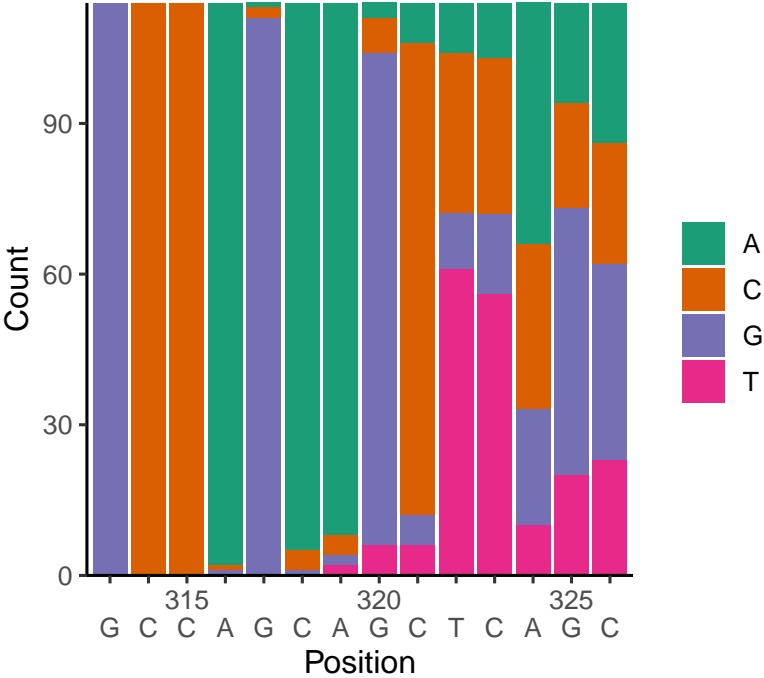
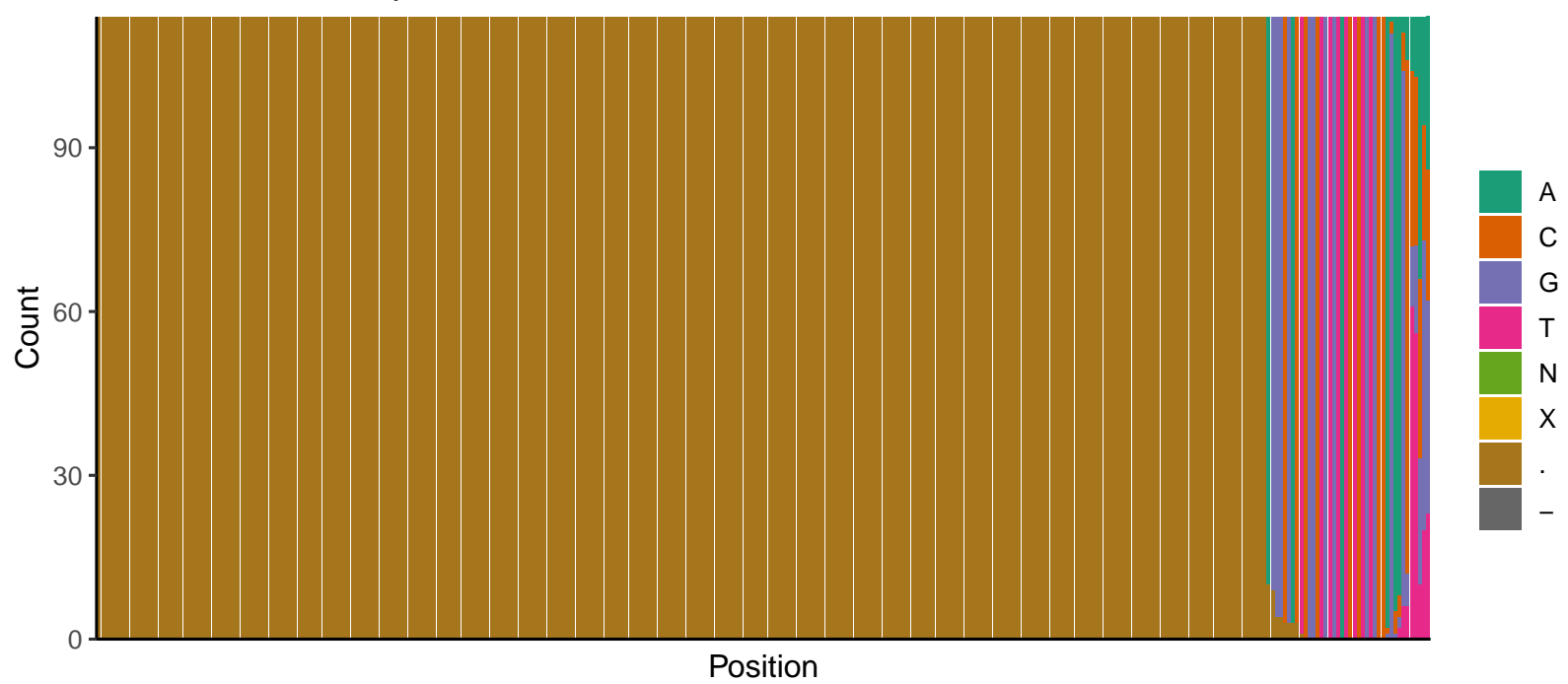


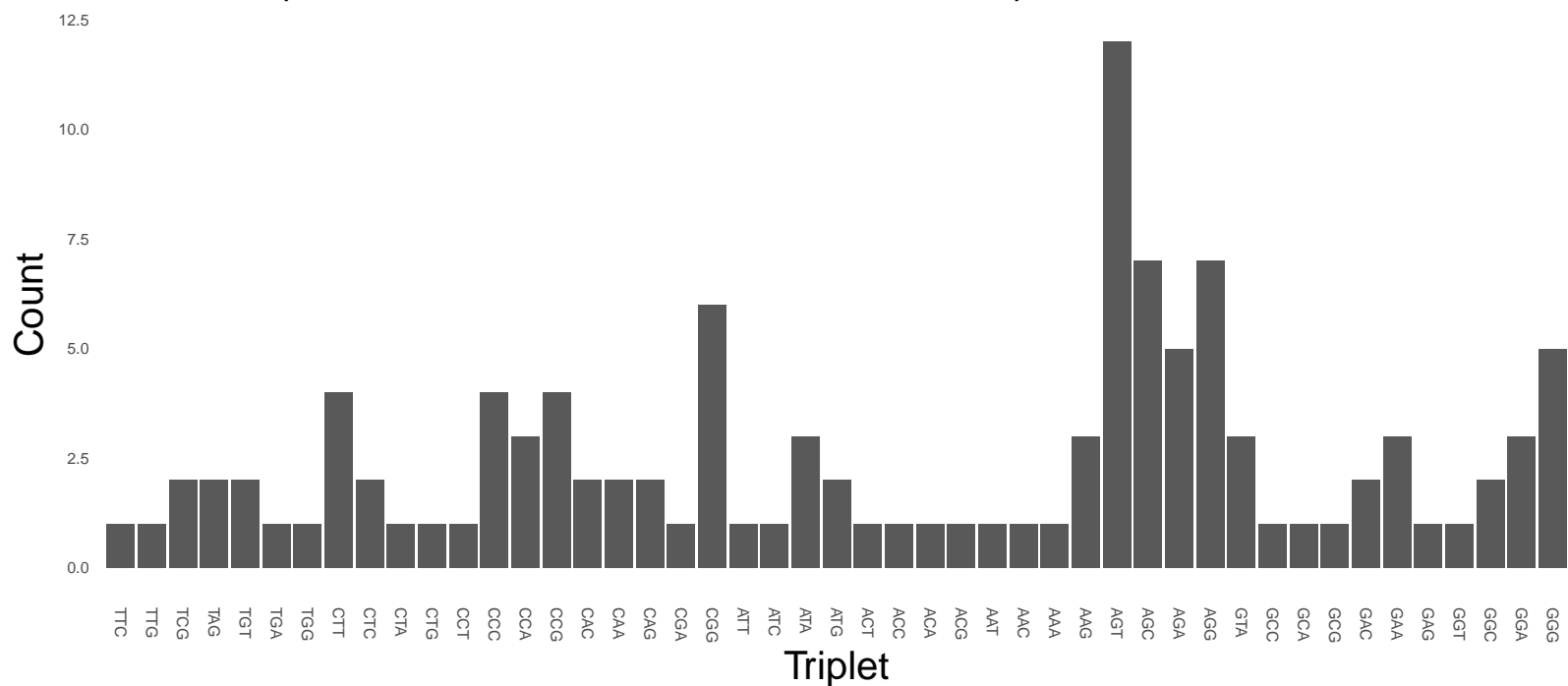
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C

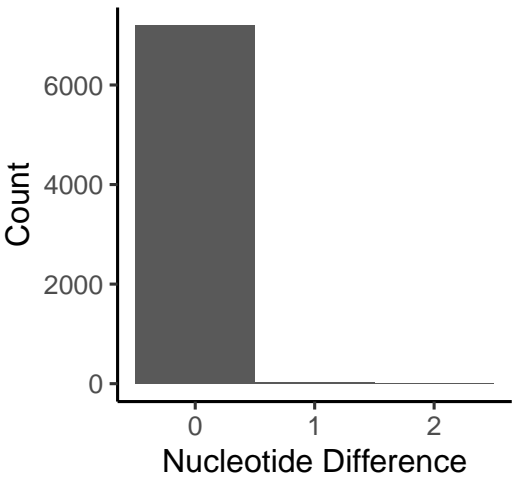


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



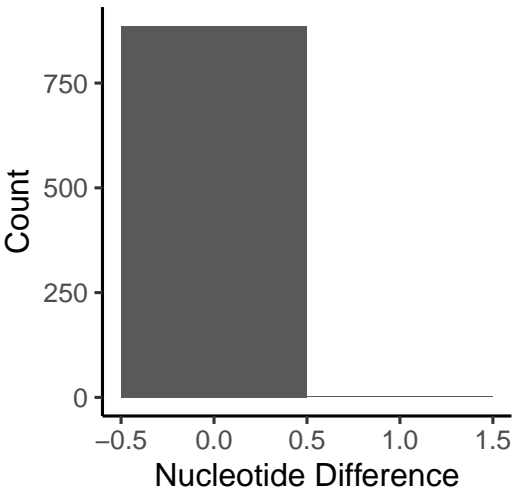
TRBV20-1*ap01

7235 sequences assigned
7197 (99.5%) exact matches, in which:
7174 unique CDR3
13 unique J



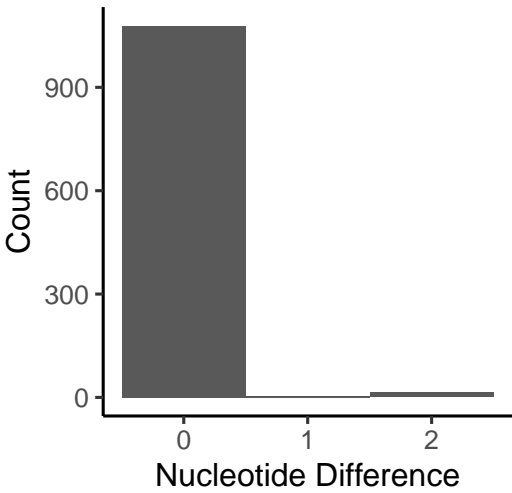
TRBV10-2*ap01

889 sequences assigned
887 (99.8%) exact matches, in which:
885 unique CDR3
13 unique J



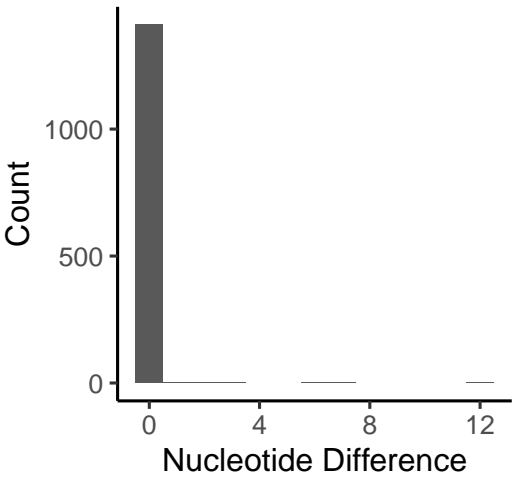
TRBV13*ap01

1096 sequences assigned
1079 (98.4%) exact matches, in which:
1072 unique CDR3
12 unique J



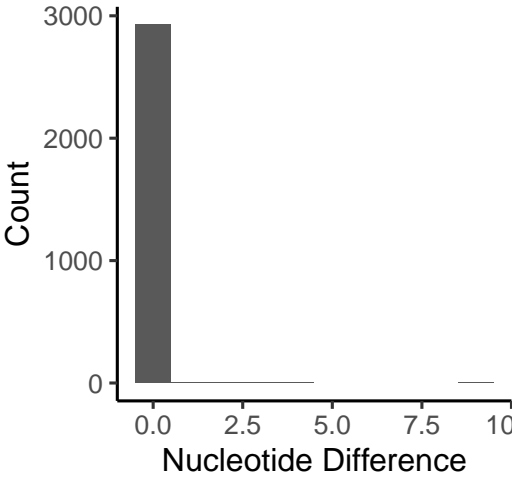
TRBV10-1*ap01

1419 sequences assigned
1411 (99.4%) exact matches, in which:
1406 unique CDR3
13 unique J



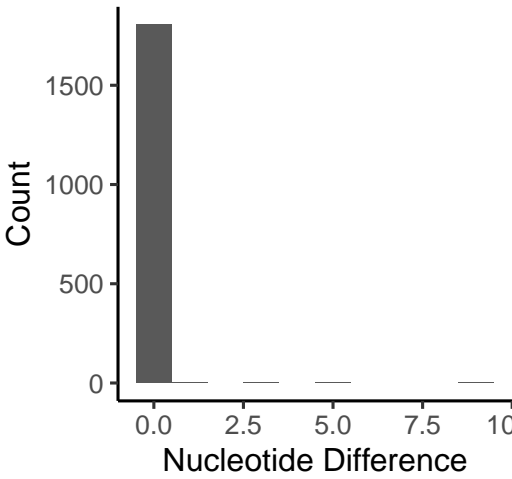
TRBV10-3*ap01

2939 sequences assigned
2927 (99.6%) exact matches, in which:
2920 unique CDR3
13 unique J



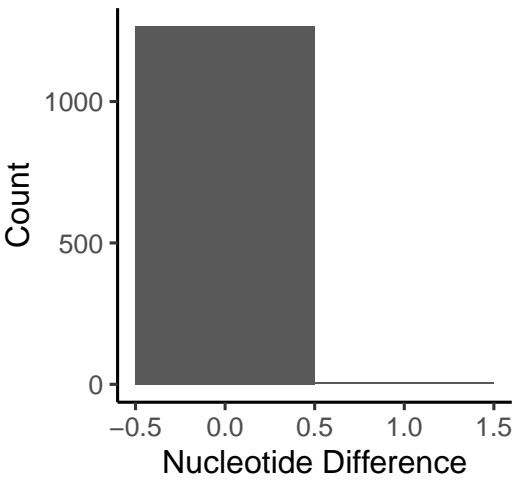
TRBV14*ap01

1809 sequences assigned
1805 (99.8%) exact matches, in which:
1802 unique CDR3
12 unique J



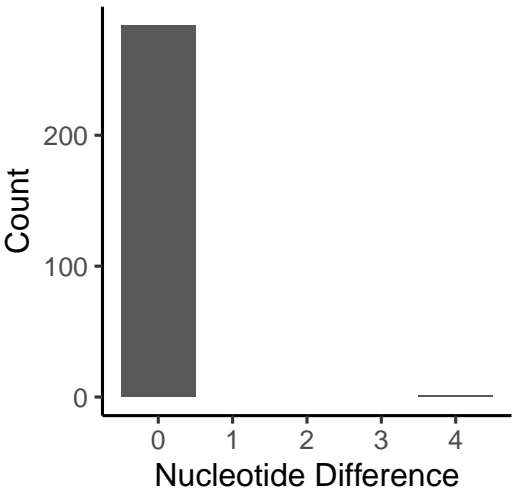
TRBV20-1*ap02

1273 sequences assigned
1267 (99.5%) exact matches, in which:
1261 unique CDR3
13 unique J



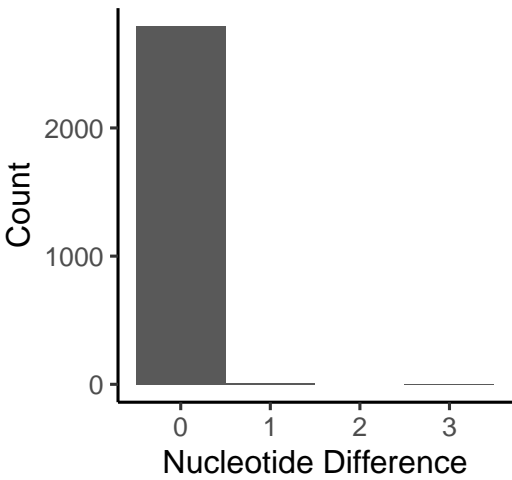
TRBV1*ap01

285 sequences assigned
284 (99.6%) exact matches, in which:
284 unique CDR3
13 unique J



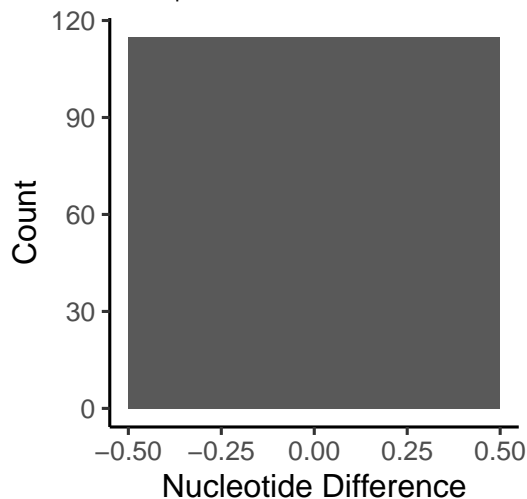
TRBV15*ap02

2808 sequences assigned
2795 (99.5%) exact matches, in which:
2777 unique CDR3
13 unique J



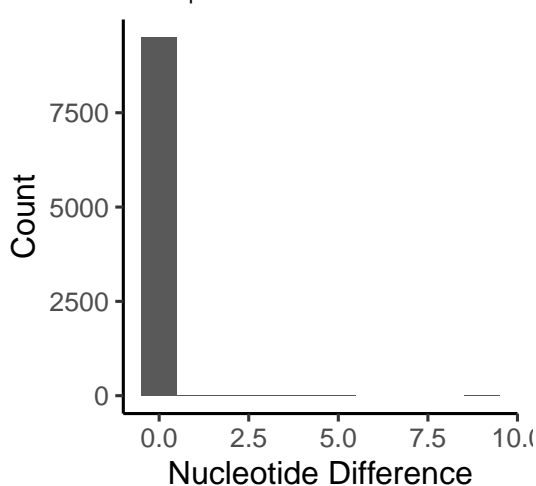
TRBV16*ap01

115 sequences assigned
115 (100%) exact matches, in which:
115 unique CDR3
12 unique J



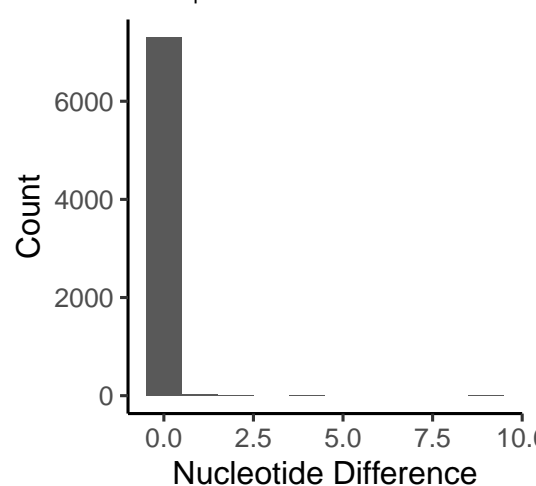
TRBV19*ap01

9532 sequences assigned
9497 (99.6%) exact matches, in which:
9491 unique CDR3
13 unique J



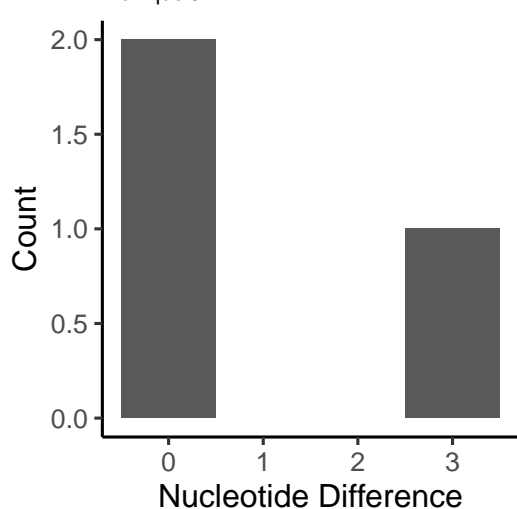
TRBV27*ap01

7345 sequences assigned
7301 (99.4%) exact matches, in which:
7276 unique CDR3
13 unique J



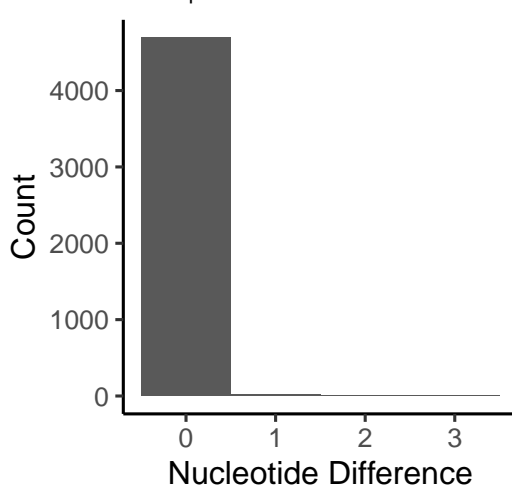
TRBV17*ap01

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



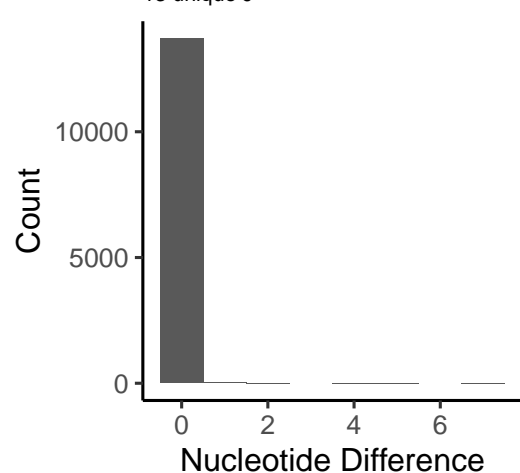
TRBV2*ap01

4714 sequences assigned
4692 (99.5%) exact matches, in which:
4685 unique CDR3
12 unique J



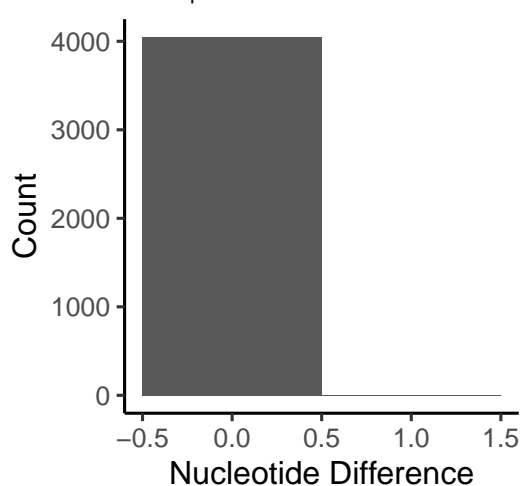
TRBV28*ap01

13750 sequences assigned
13710 (99.7%) exact matches, in which:
13685 unique CDR3
13 unique J



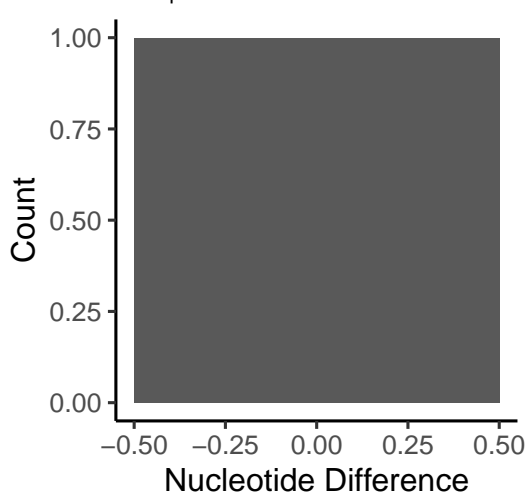
TRBV18*ap01

4053 sequences assigned
4048 (99.9%) exact matches, in which:
4039 unique CDR3
13 unique J



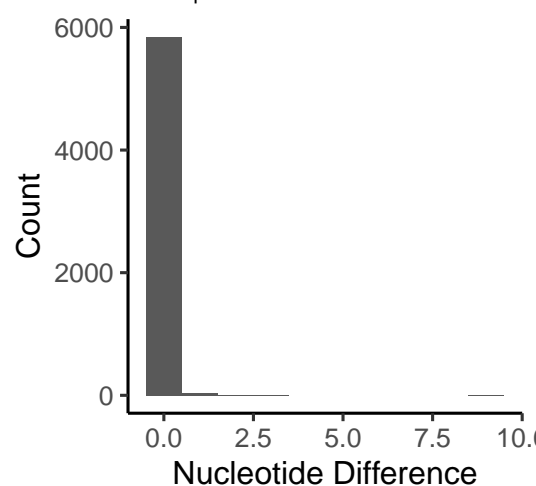
TRBV26*ap01

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



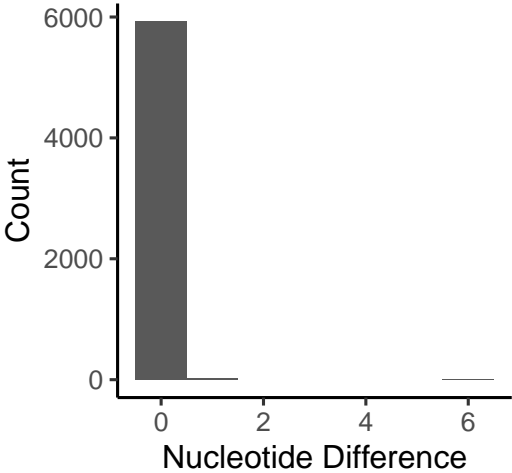
TRBV30*ap01

5887 sequences assigned
5843 (99.3%) exact matches, in which:
5830 unique CDR3
13 unique J



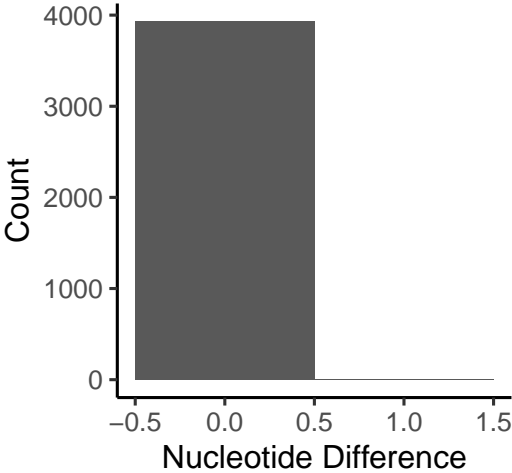
TRBV9*ap01

5947 sequences assigned
5927 (99.7%) exact matches, in which:
5905 unique CDR3
13 unique J



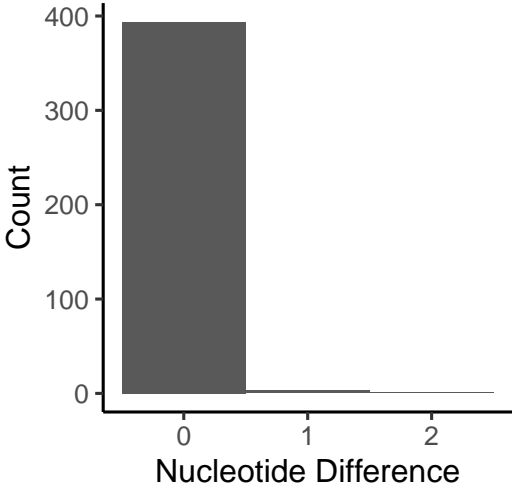
TRBV11-2*ap01

3940 sequences assigned
3931 (99.8%) exact matches, in which:
3922 unique CDR3
13 unique J



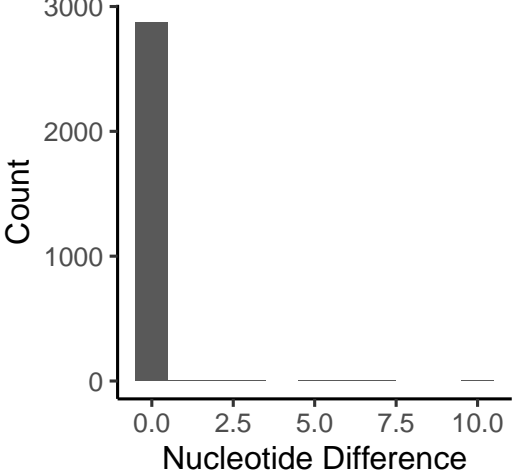
TRBV12-2*ap01

398 sequences assigned
394 (99%) exact matches, in which:
390 unique CDR3
13 unique J



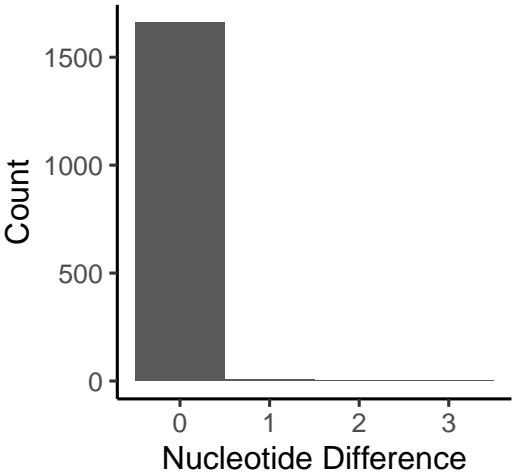
TRBV21-1*ap01

2890 sequences assigned
2870 (99.3%) exact matches, in which:
2870 unique CDR3
12 unique J



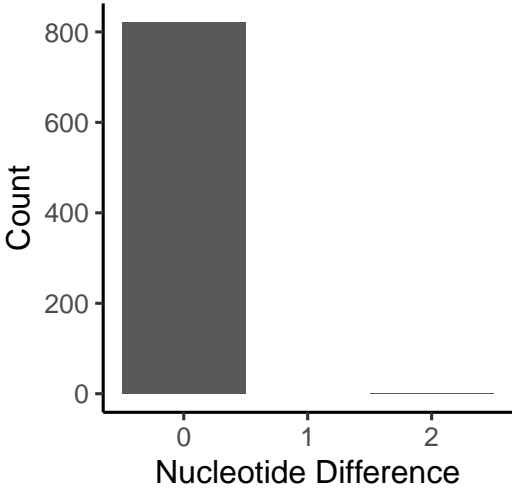
TRBV11-3*ap01

1670 sequences assigned
1660 (99.4%) exact matches, in which:
1655 unique CDR3
13 unique J



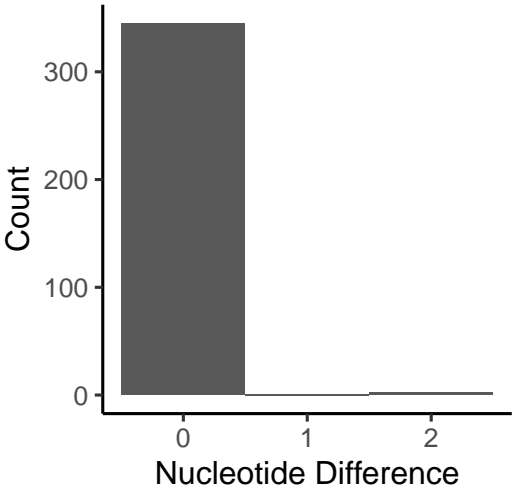
TRBV12-5*ap01

823 sequences assigned
822 (99.9%) exact matches, in which:
822 unique CDR3
12 unique J



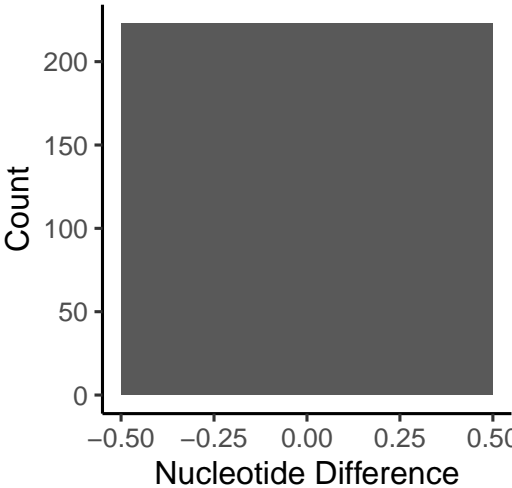
TRBV11-1*ap01

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



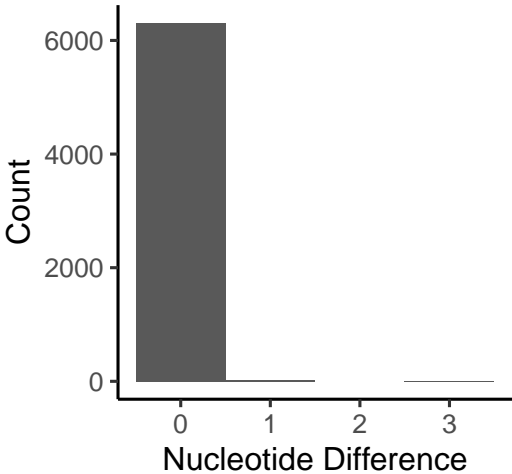
TRBV12-1*ap01

223 sequences assigned
223 (100%) exact matches, in which:
222 unique CDR3
12 unique J



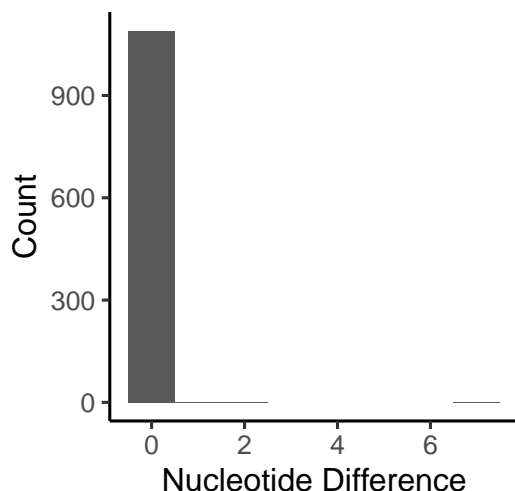
TRBV12-34*ap01

6328 sequences assigned
6306 (99.7%) exact matches, in which:
6292 unique CDR3
13 unique J



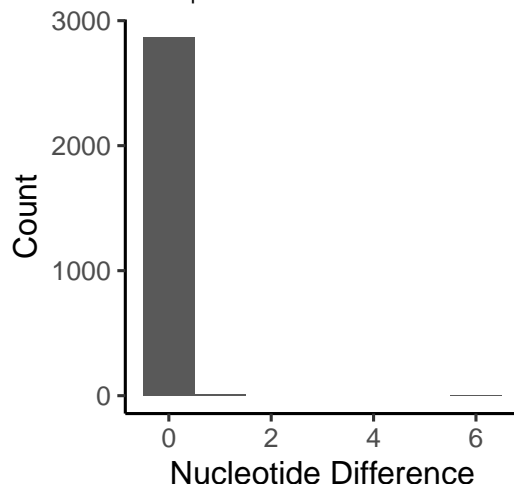
TRBV23-1*ap01

1094 sequences assigned
1090 (99.6%) exact matches, in which:
1089 unique CDR3
13 unique J



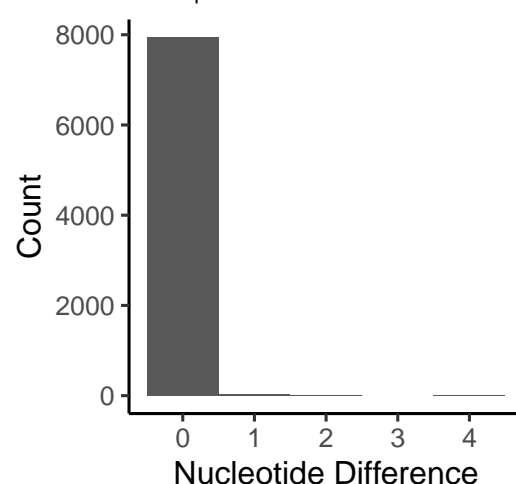
TRBV4-1*ap01

2882 sequences assigned
2866 (99.4%) exact matches, in which:
2855 unique CDR3
12 unique J



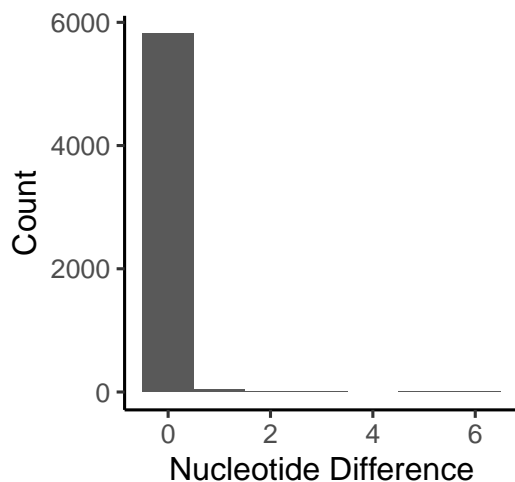
TRBV5-1*ap01

7988 sequences assigned
7941 (99.4%) exact matches, in which:
7882 unique CDR3
13 unique J



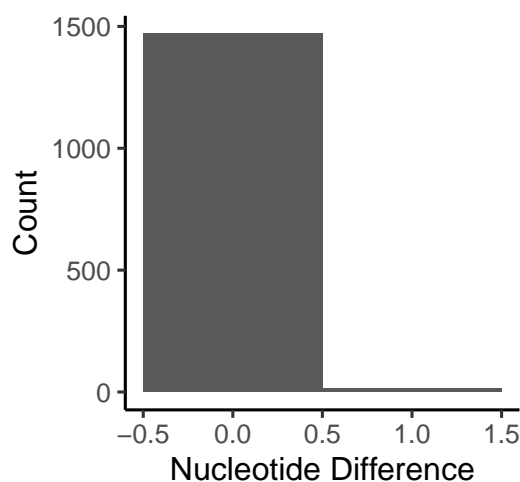
TRBV3-12*ap01

5863 sequences assigned
5815 (99.2%) exact matches, in which:
5802 unique CDR3
13 unique J



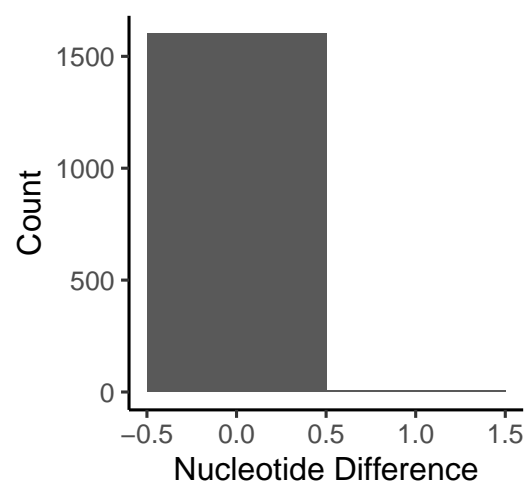
TRBV4-2*ap01

1486 sequences assigned
1470 (98.9%) exact matches, in which:
1465 unique CDR3
13 unique J



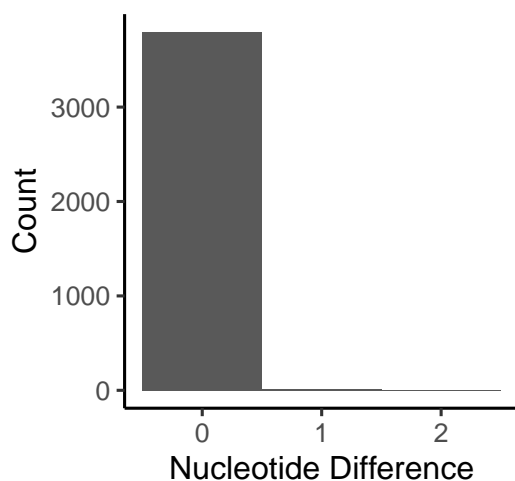
TRBV25-1*ap01

1606 sequences assigned
1601 (99.7%) exact matches, in which:
1599 unique CDR3
13 unique J



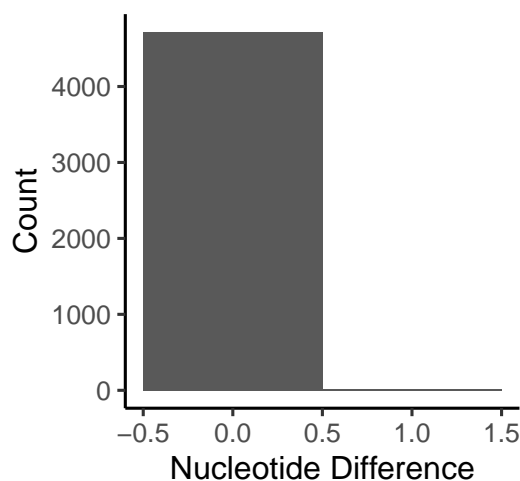
TRBV24-1*ap01

3814 sequences assigned
3795 (99.5%) exact matches, in which:
3789 unique CDR3
13 unique J



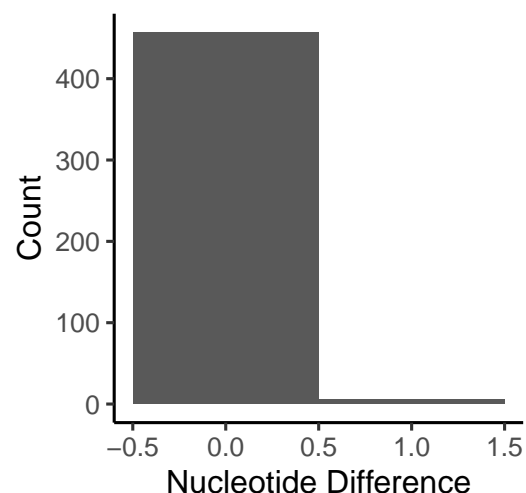
TRBV4-3*ap01

4734 sequences assigned
4717 (99.6%) exact matches, in which:
4700 unique CDR3
13 unique J



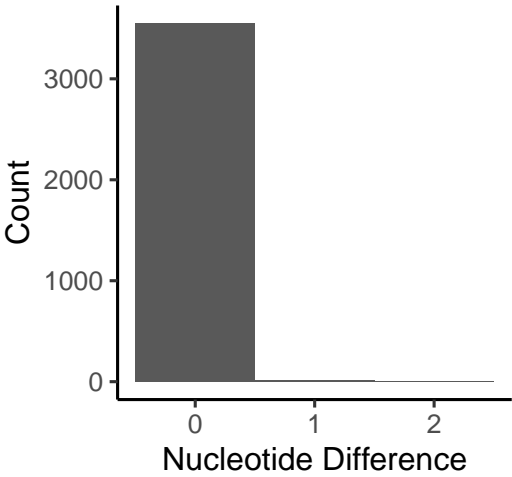
TRBV5-3*ap01

462 sequences assigned
457 (98.9%) exact matches, in which:
453 unique CDR3
12 unique J



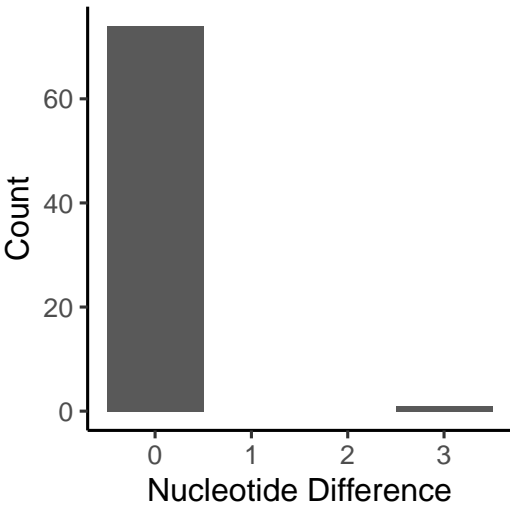
TRBV5-4*ap01

3561 sequences assigned
3549 (99.7%) exact matches, in which:
3534 unique CDR3
13 unique J



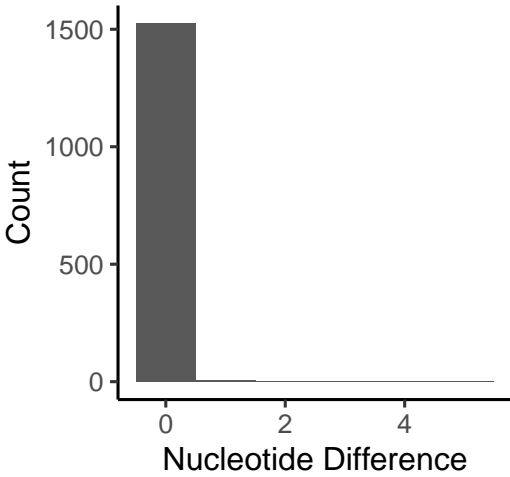
TRBV5-7*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
74 unique CDR3
12 unique J



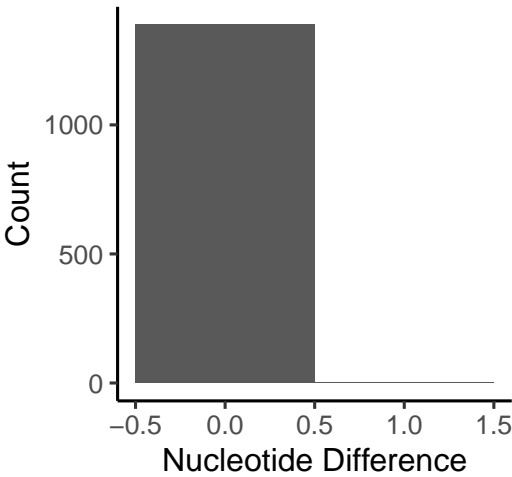
TRBV6-4*ap01

1537 sequences assigned
1525 (99.2%) exact matches, in which:
1523 unique CDR3
12 unique J



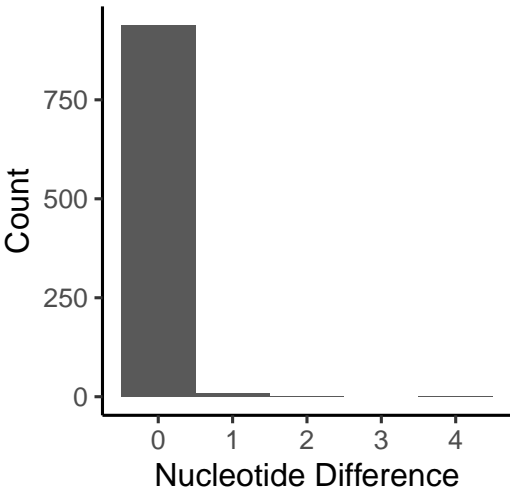
TRBV5-5*ap01

1390 sequences assigned
1388 (99.9%) exact matches, in which:
1388 unique CDR3
13 unique J



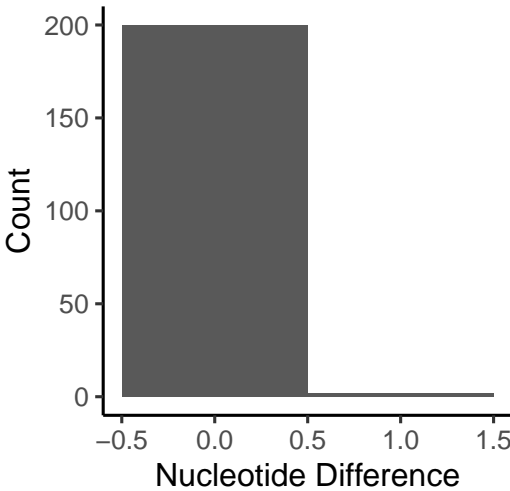
TRBV5-8*ap01

950 sequences assigned
939 (98.8%) exact matches, in which:
938 unique CDR3
12 unique J



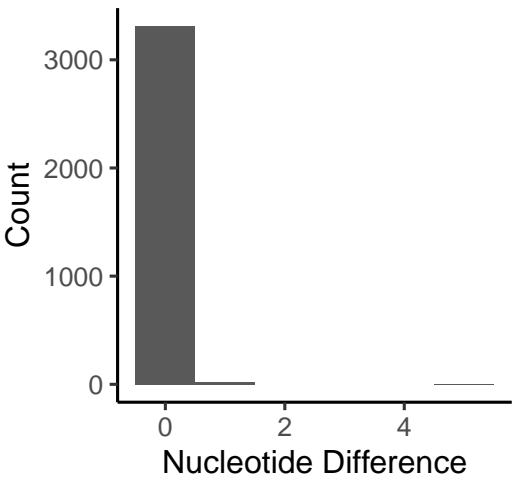
TRBV6-7*ap01

202 sequences assigned
200 (99%) exact matches, in which:
200 unique CDR3
12 unique J



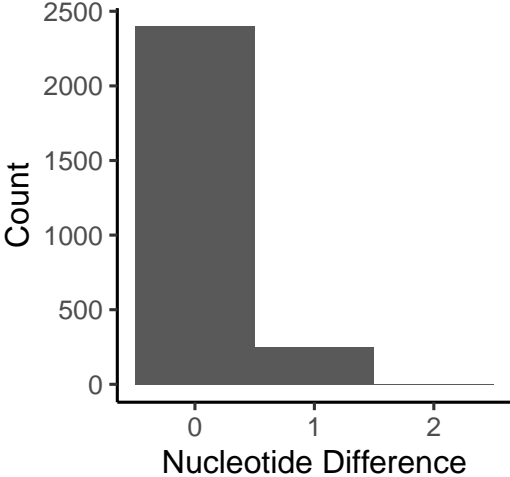
TRBV5-6*ap01

3333 sequences assigned
3312 (99.4%) exact matches, in which:
3288 unique CDR3
13 unique J



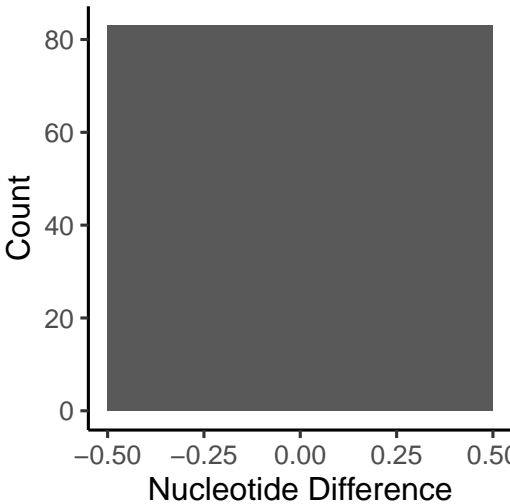
TRBV6-1*ap01

2653 sequences assigned
2401 (90.5%) exact matches, in which:
2391 unique CDR3
13 unique J



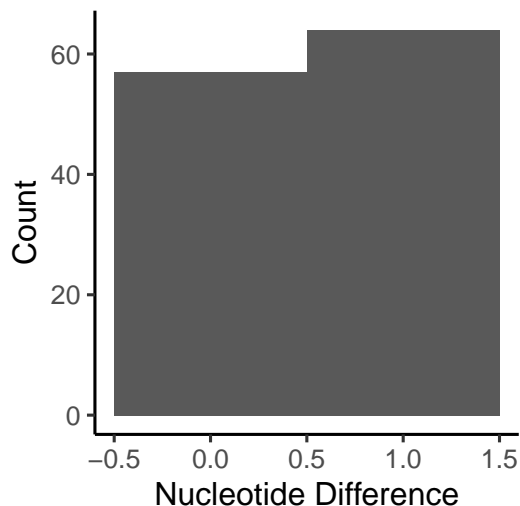
TRBV6-8*ap01

83 sequences assigned
83 (100%) exact matches, in which:
83 unique CDR3
12 unique J



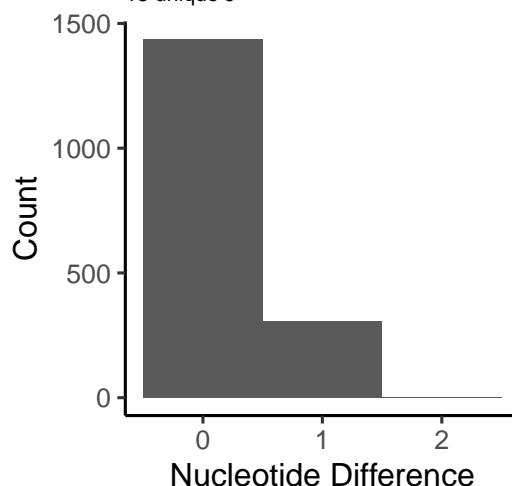
TRBV6-9*ap01

121 sequences assigned
57 (47.1%) exact matches, in which:
57 unique CDR3
12 unique J



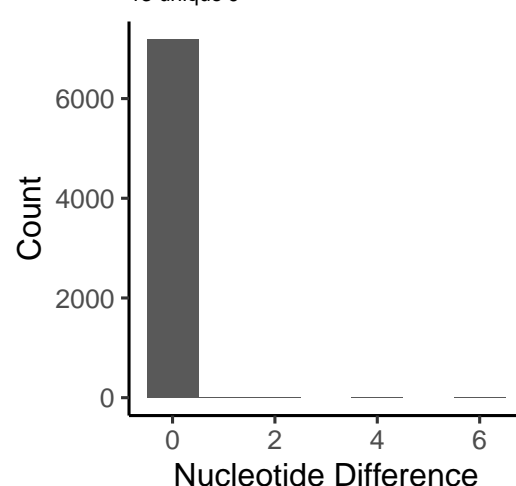
TRBV6-56*ap02

1746 sequences assigned
1436 (82.2%) exact matches, in which:
1434 unique CDR3
13 unique J



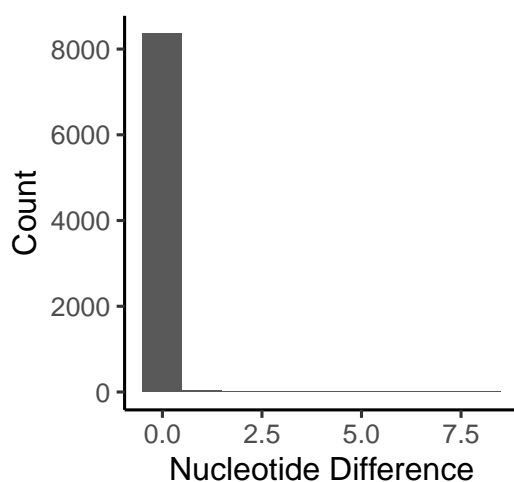
TRBV7-2*ap01

7204 sequences assigned
7187 (99.8%) exact matches, in which:
7172 unique CDR3
13 unique J



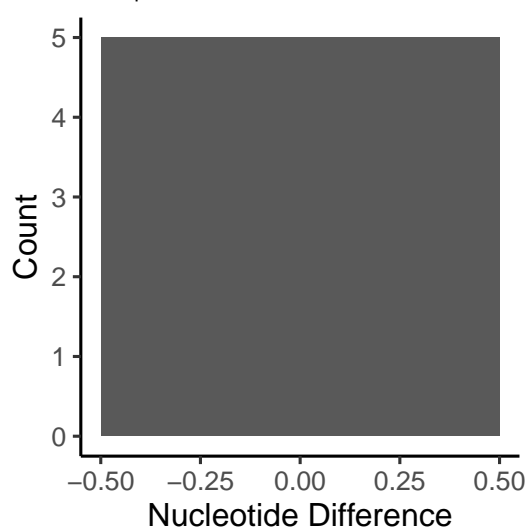
TRBV6-23*ap01

8408 sequences assigned
8358 (99.4%) exact matches, in which:
8345 unique CDR3
13 unique J



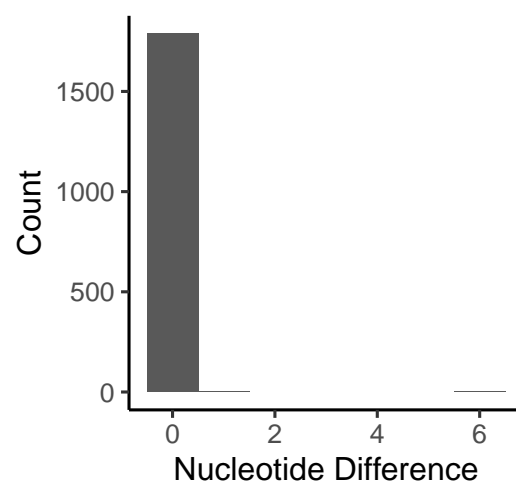
TRBV7-1*ap01

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
4 unique J



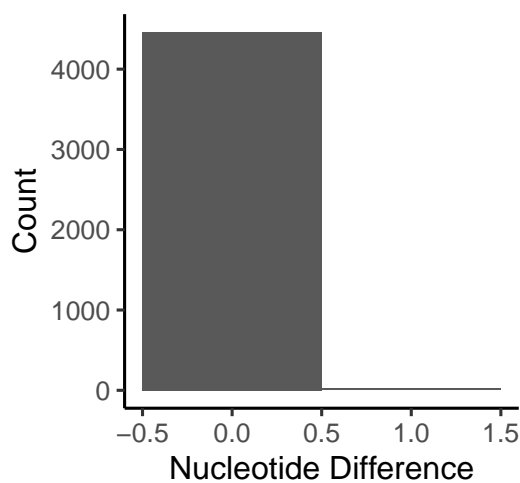
TRBV7-3*ap01

1793 sequences assigned
1788 (99.7%) exact matches, in which:
1779 unique CDR3
13 unique J



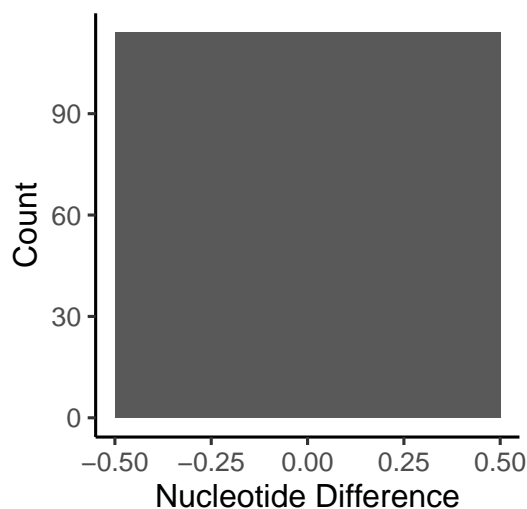
TRBV6-56*ap01

4484 sequences assigned
4462 (99.5%) exact matches, in which:
4448 unique CDR3
13 unique J



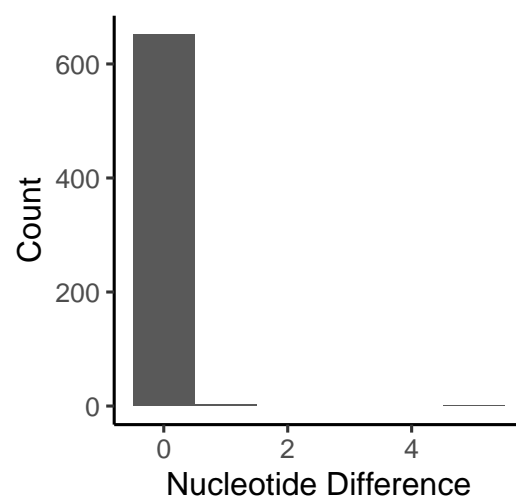
TRBV7-1*ap01_G291C_T

114 sequences assigned
114 (100%) exact matches, in which:
114 unique CDR3
13 unique J



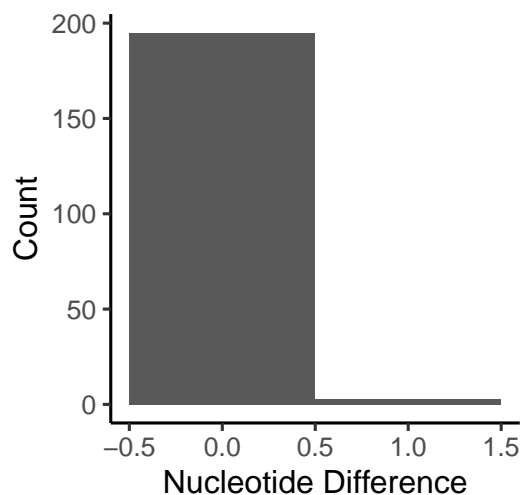
TRBV7-3*ap02

655 sequences assigned
652 (99.5%) exact matches, in which:
652 unique CDR3
12 unique J



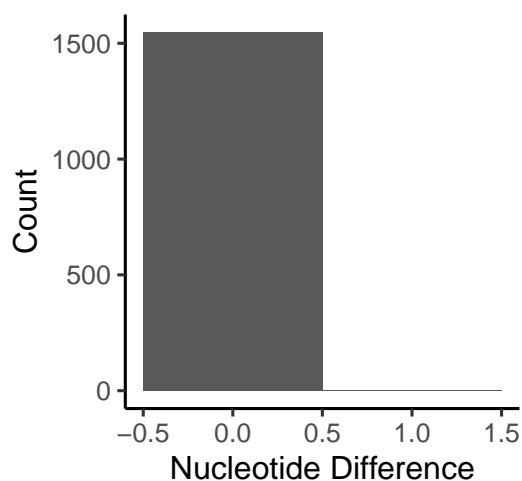
TRBV7-4*ap01

198 sequences assigned
195 (98.5%) exact matches, in which:
195 unique CDR3
12 unique J



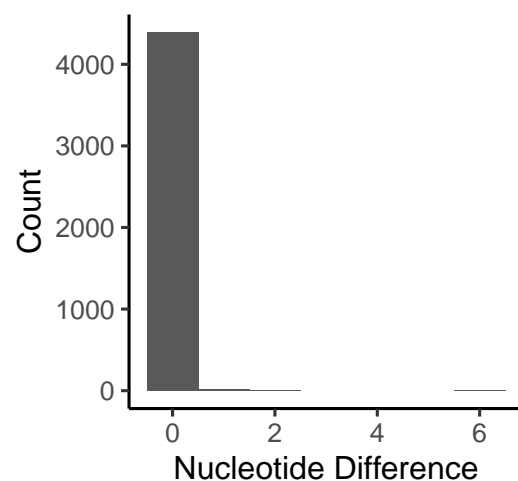
TRBV7-8*ap01

1551 sequences assigned
1547 (99.7%) exact matches, in which:
1543 unique CDR3
13 unique J



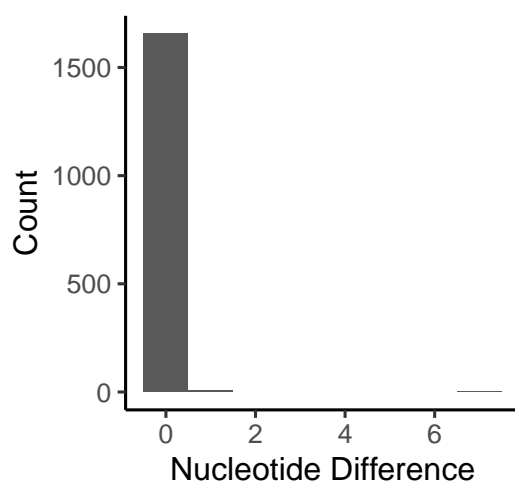
TRBV29-1*ap01

4410 sequences assigned
4391 (99.6%) exact matches, in which:
4378 unique CDR3
13 unique J



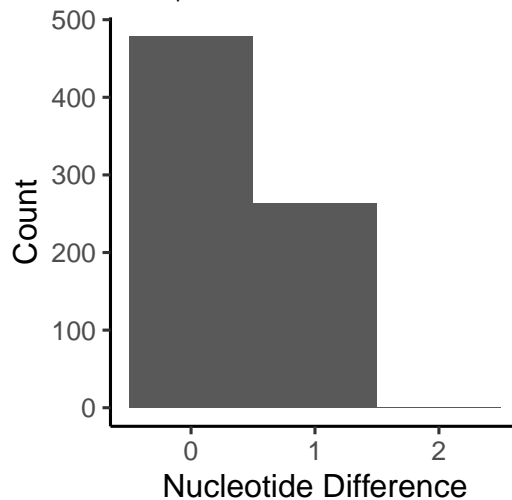
TRBV7-6*ap01

1663 sequences assigned
1656 (99.6%) exact matches, in which:
1651 unique CDR3
13 unique J



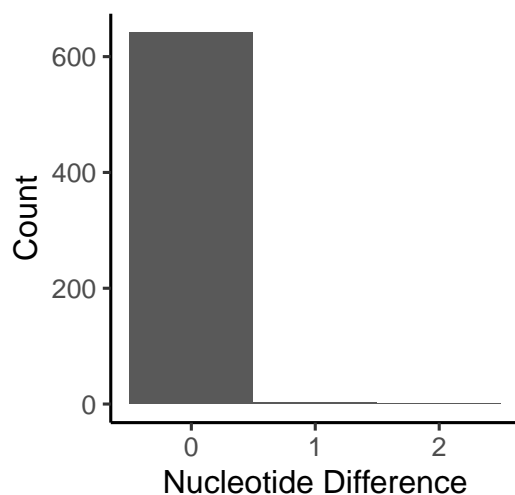
TRBV7-8*ap03

743 sequences assigned
479 (64.5%) exact matches, in which:
478 unique CDR3
12 unique J



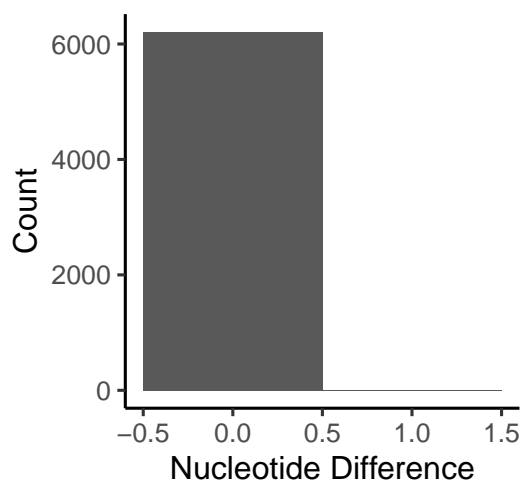
TRBV7-7*ap01

645 sequences assigned
642 (99.5%) exact matches, in which:
642 unique CDR3
13 unique J



TRBV7-9*ap01

6217 sequences assigned
6207 (99.8%) exact matches, in which:
6194 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C

