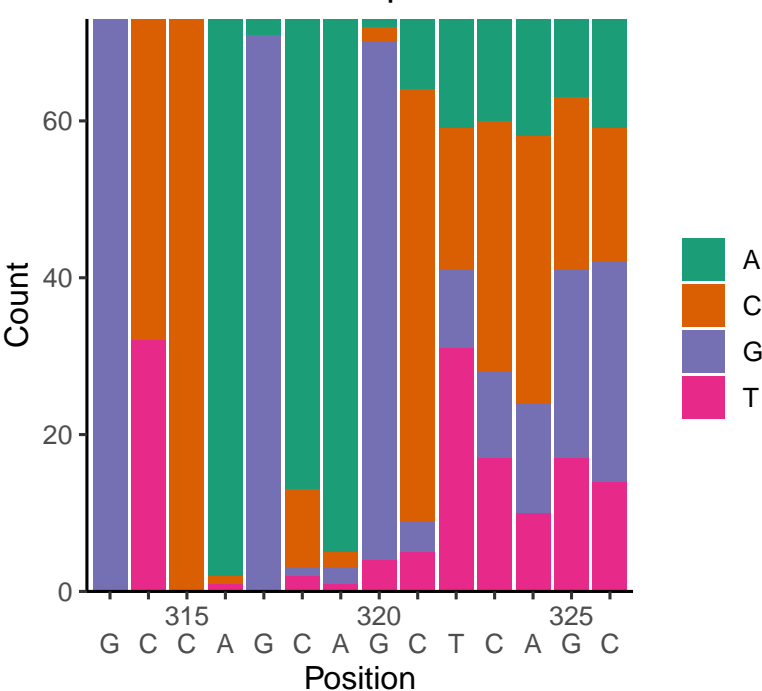
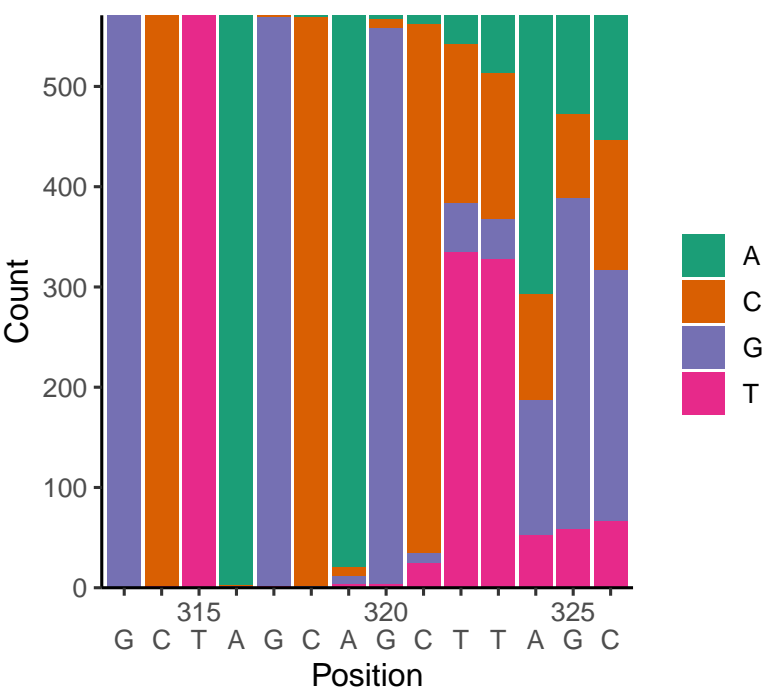


Gene TRBV7-1*ap01_T296C



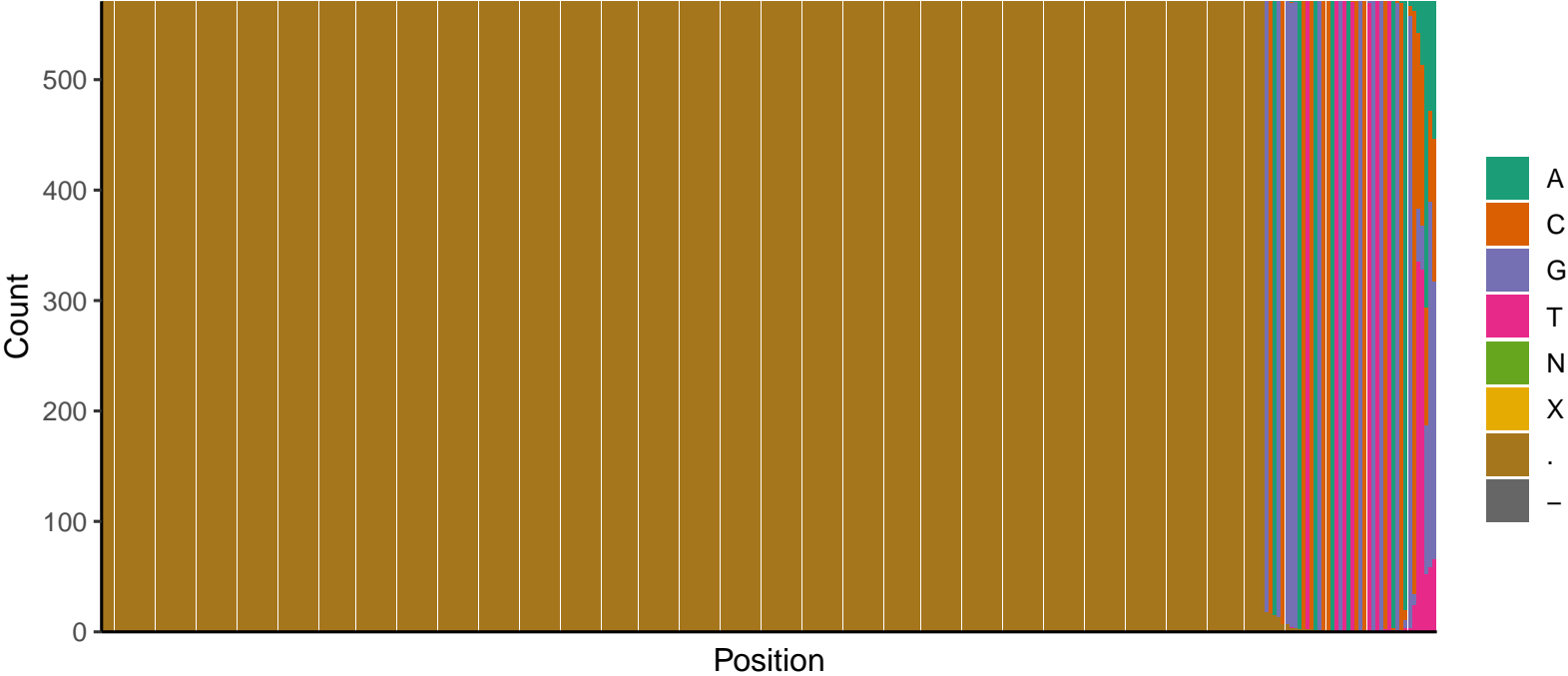
Gene TRBV7-7*ap01_C315T



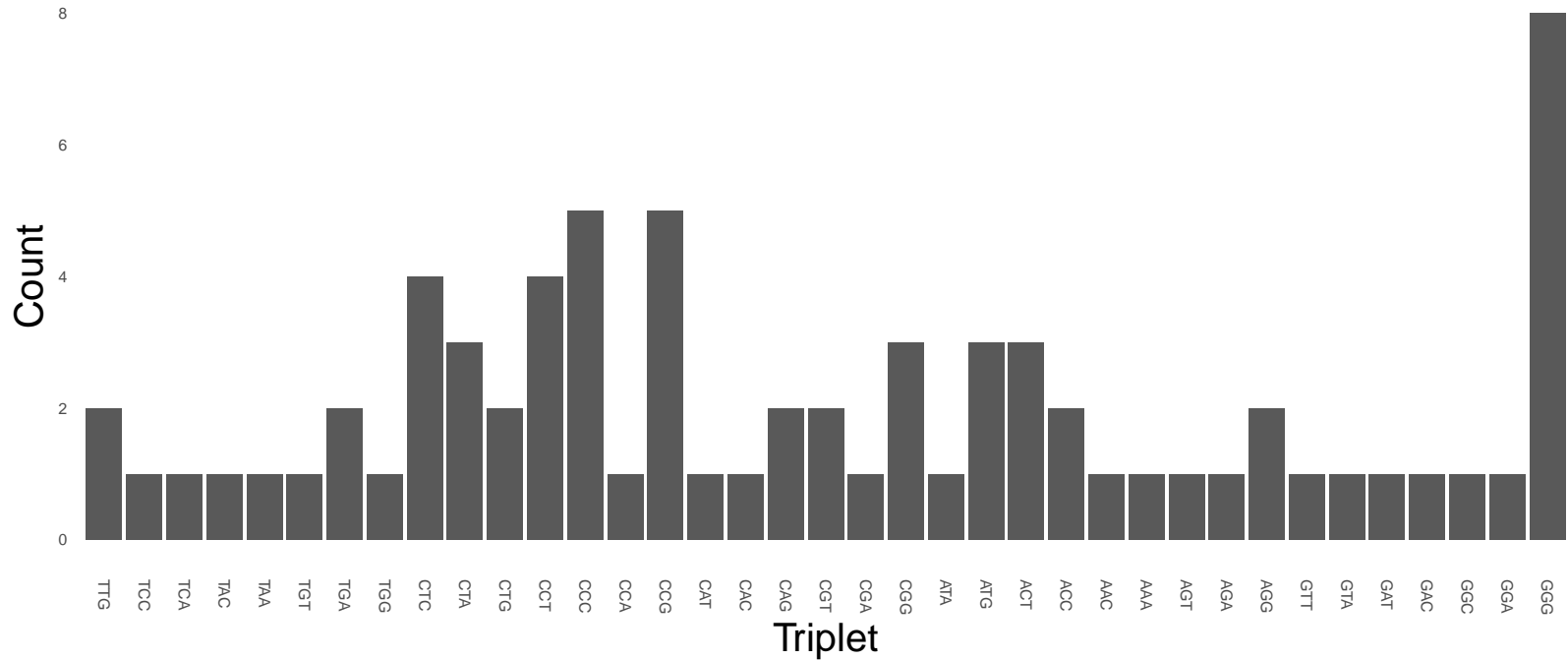
Gene TRBV7-1*ap01_T296C



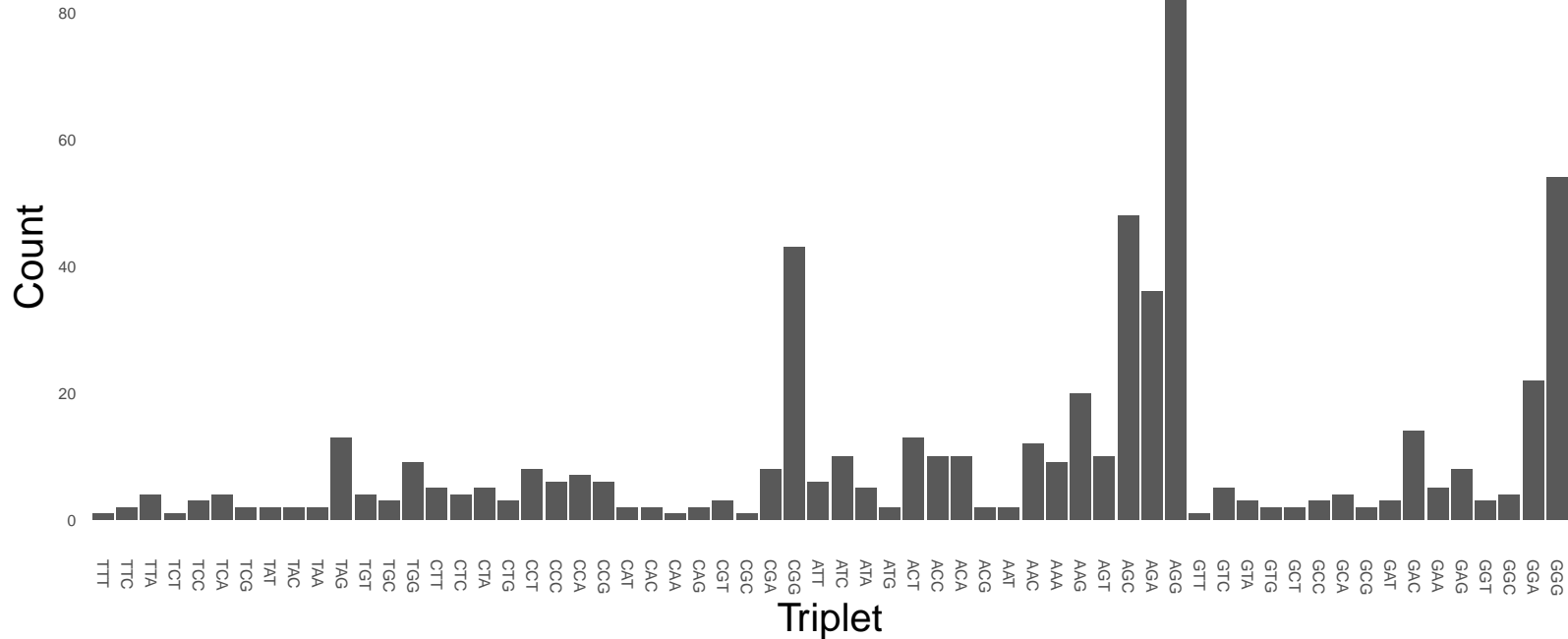
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

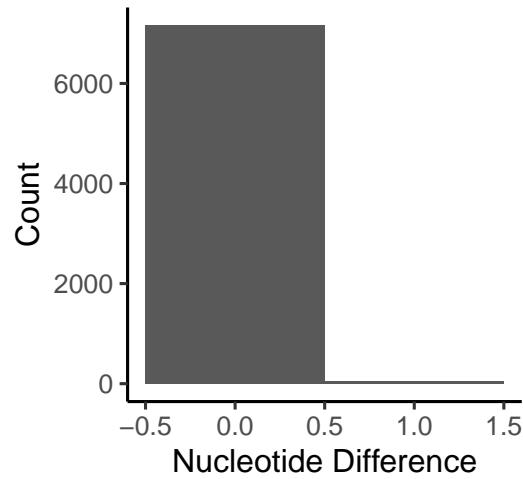


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



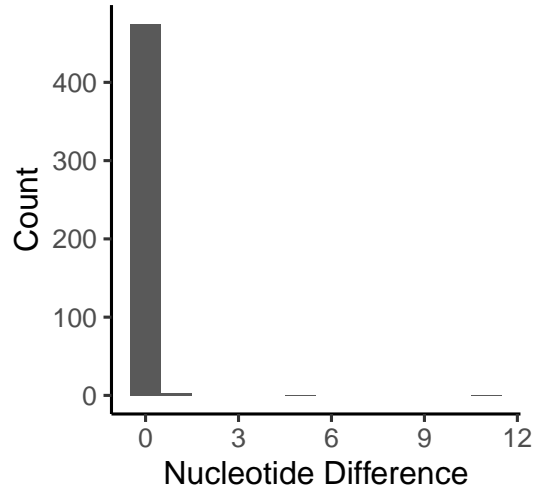
TRBV20-1*ap01

7218 sequences assigned
7160 (99.2%) exact matches, in which:
7095 unique CDR3
13 unique J



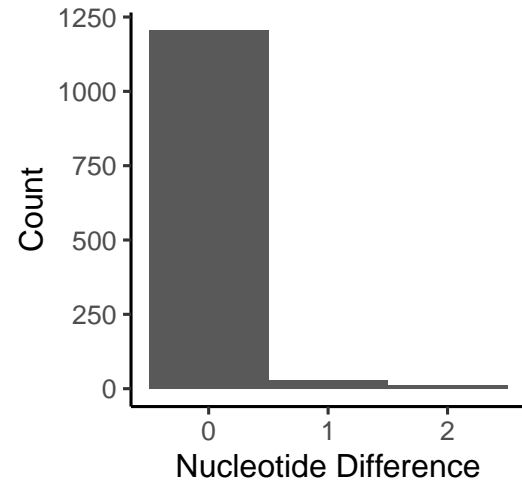
TRBV10-2*ap01

480 sequences assigned
475 (99%) exact matches, in which:
468 unique CDR3
12 unique J



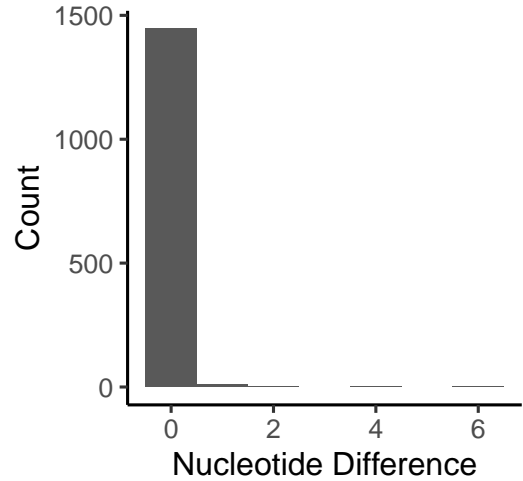
TRBV13*ap01

1246 sequences assigned
1205 (96.7%) exact matches, in which:
1190 unique CDR3
13 unique J



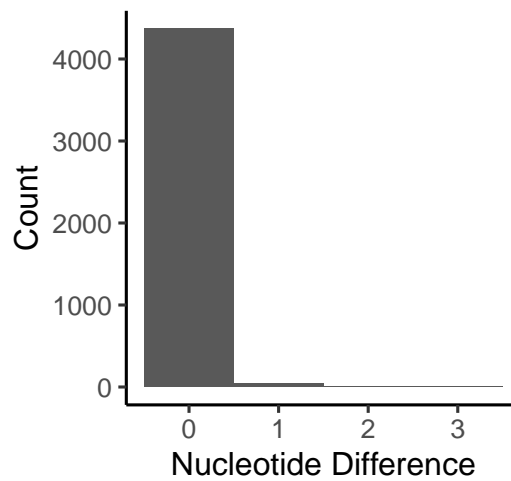
TRBV10-1*ap01

1461 sequences assigned
1446 (99%) exact matches, in which:
1426 unique CDR3
13 unique J



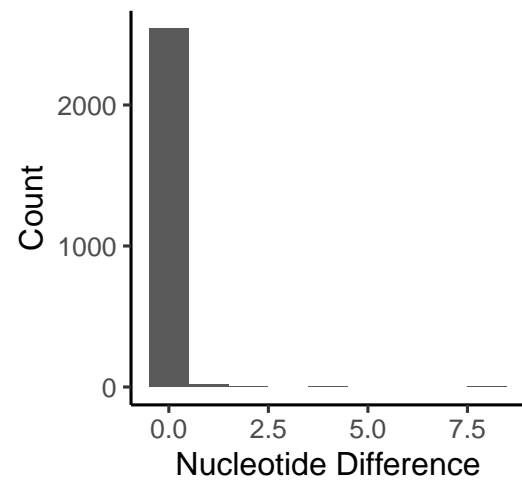
TRBV10-3*ap01

4416 sequences assigned
4369 (98.9%) exact matches, in which:
4325 unique CDR3
13 unique J



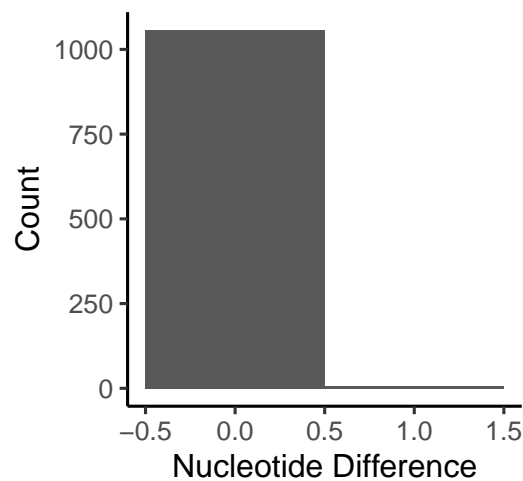
TRBV14*ap01

2564 sequences assigned
2541 (99.1%) exact matches, in which:
2520 unique CDR3
13 unique J



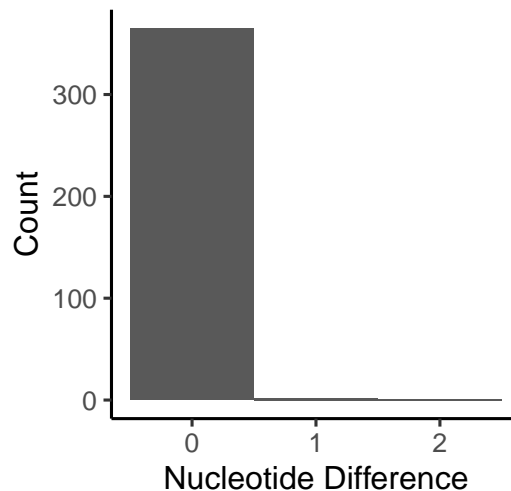
TRBV20-1*ap02

1064 sequences assigned
1057 (99.3%) exact matches, in which:
1048 unique CDR3
13 unique J



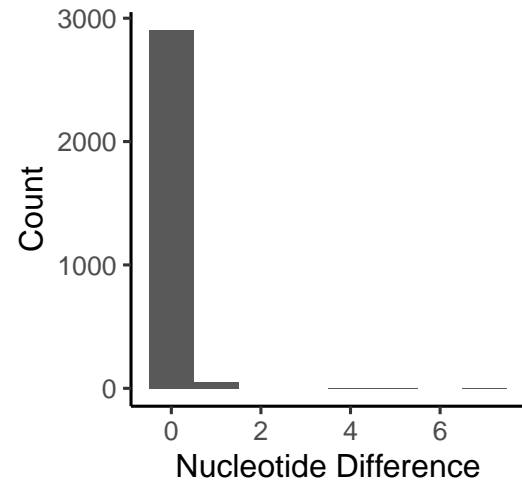
TRBV1*ap01

368 sequences assigned
365 (99.2%) exact matches, in which:
361 unique CDR3
13 unique J



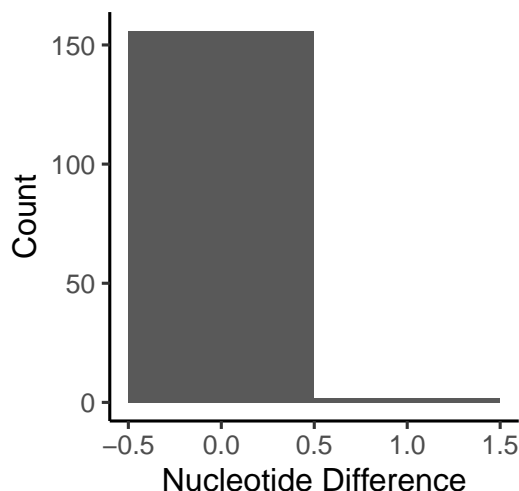
TRBV15*ap02

2956 sequences assigned
2904 (98.2%) exact matches, in which:
2870 unique CDR3
13 unique J



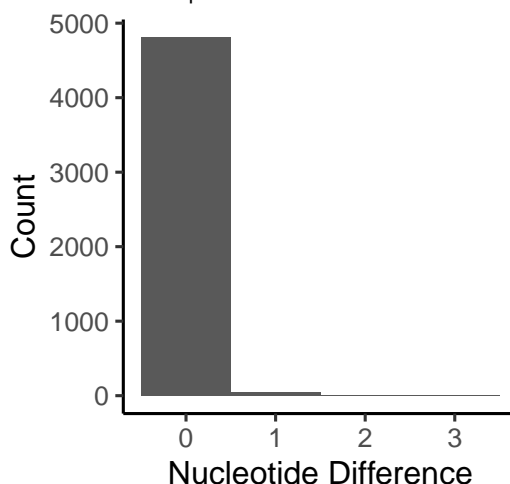
TRBV16*ap01

158 sequences assigned
156 (98.7%) exact matches, in which:
154 unique CDR3
12 unique J



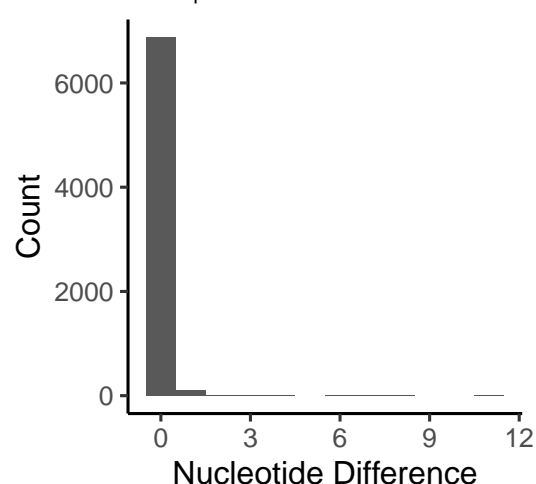
TRBV2*ap01

4867 sequences assigned
4809 (98.8%) exact matches, in which:
4757 unique CDR3
13 unique J



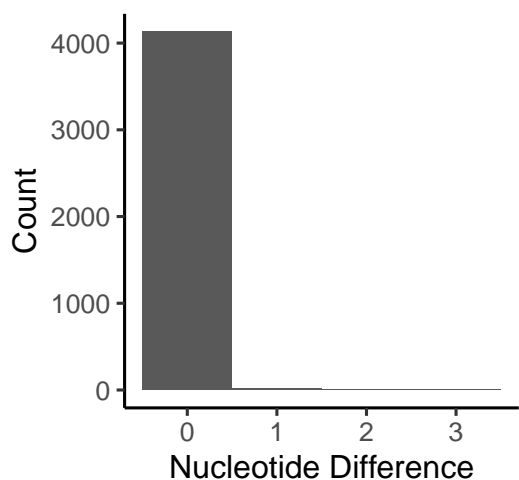
TRBV30*ap01

7005 sequences assigned
6874 (98.1%) exact matches, in which:
6717 unique CDR3
13 unique J



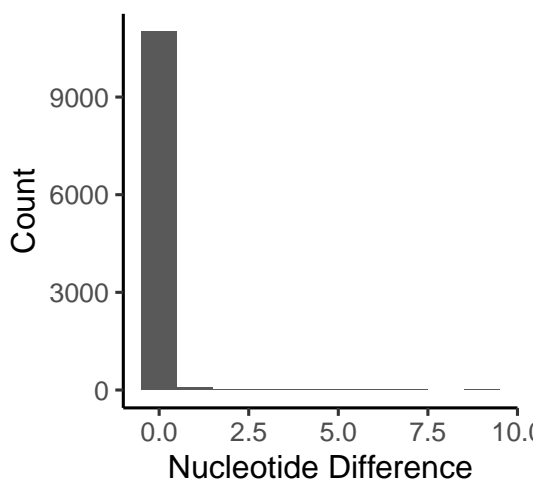
TRBV18*ap01

4157 sequences assigned
4131 (99.4%) exact matches, in which:
4110 unique CDR3
13 unique J



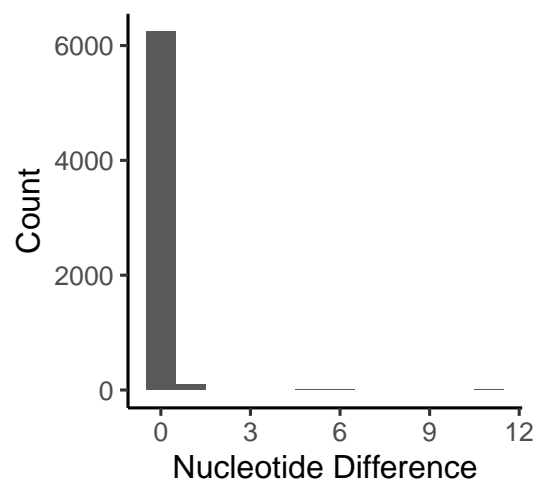
TRBV27*ap01

11113 sequences assigned
11007 (99%) exact matches, in which:
10913 unique CDR3
13 unique J



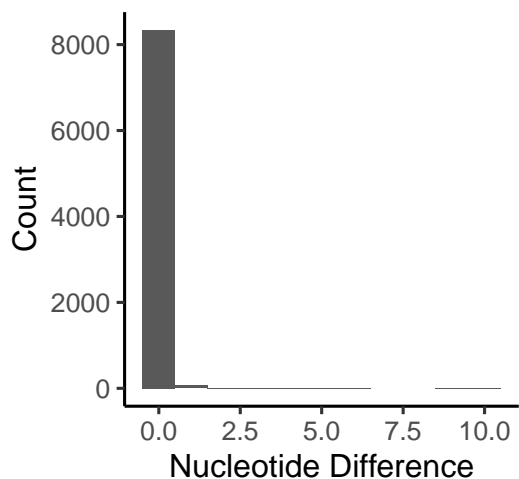
TRBV9*ap01

6342 sequences assigned
6241 (98.4%) exact matches, in which:
6182 unique CDR3
13 unique J



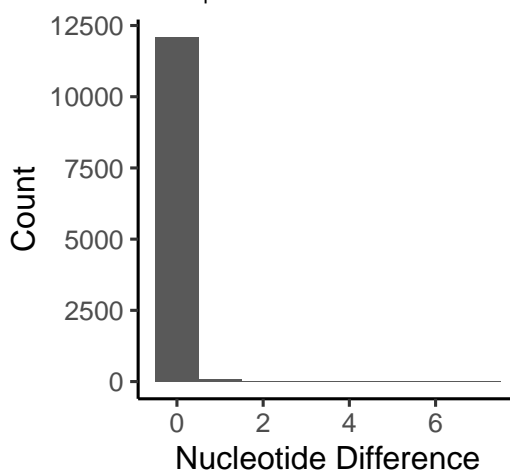
TRBV19*ap01

8415 sequences assigned
8339 (99.1%) exact matches, in which:
8302 unique CDR3
13 unique J



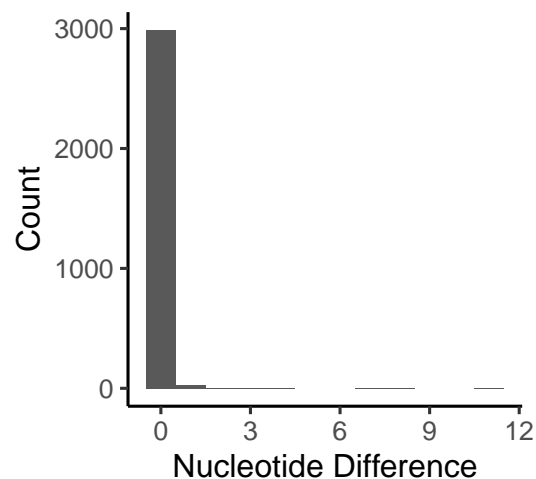
TRBV28*ap01

12189 sequences assigned
12104 (99.3%) exact matches, in which:
12005 unique CDR3
13 unique J



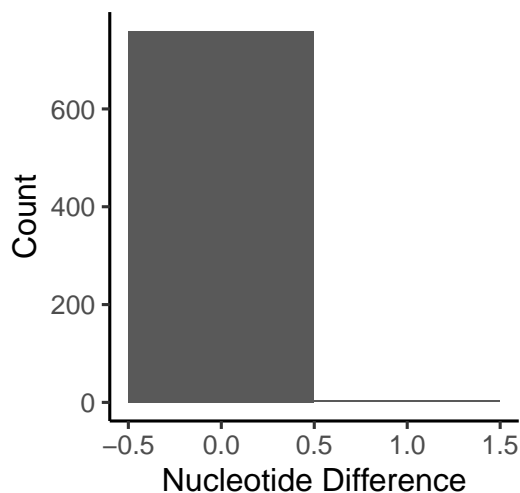
TRBV21-1*ap01

3030 sequences assigned
2988 (98.6%) exact matches, in which:
2977 unique CDR3
13 unique J



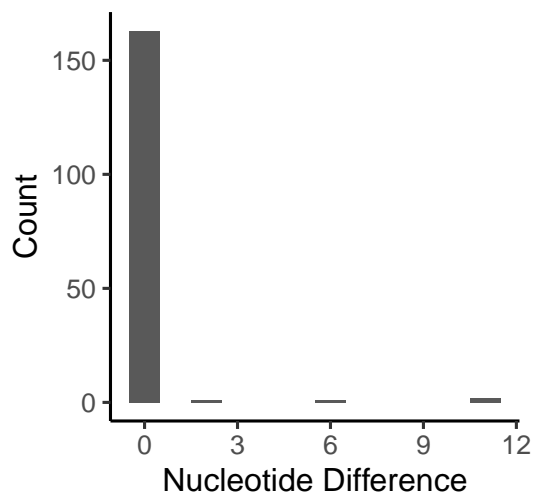
TRBV11-1*ap01

764 sequences assigned
760 (99.5%) exact matches, in which:
755 unique CDR3
12 unique J



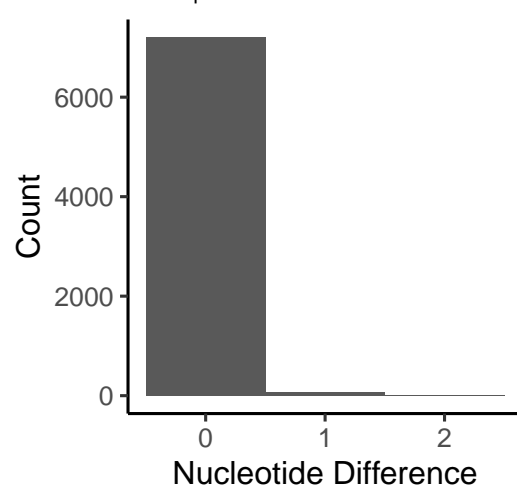
TRBV12-1*ap01

167 sequences assigned
163 (97.6%) exact matches, in which:
163 unique CDR3
13 unique J



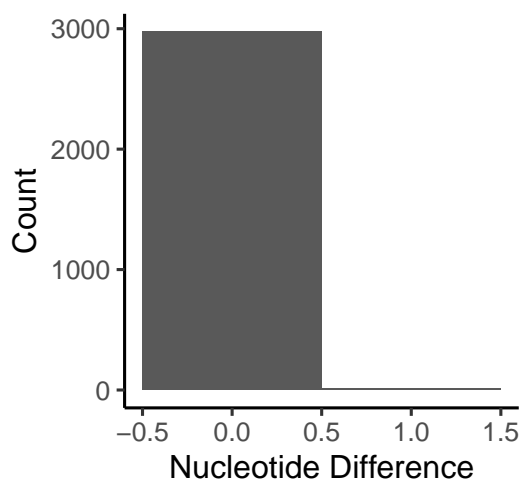
TRBV12-34*ap01

7276 sequences assigned
7201 (99%) exact matches, in which:
7112 unique CDR3
13 unique J



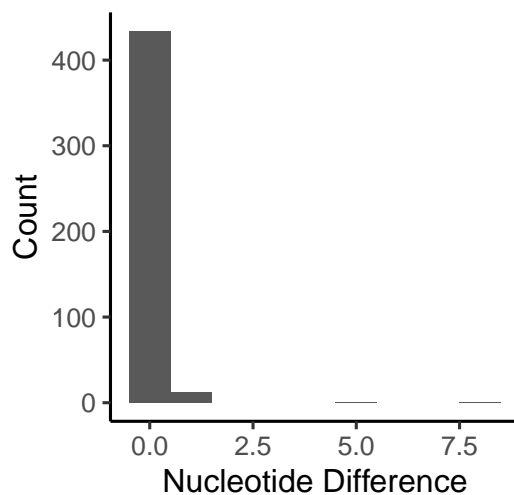
TRBV11-2*ap01

2985 sequences assigned
2975 (99.7%) exact matches, in which:
2958 unique CDR3
13 unique J



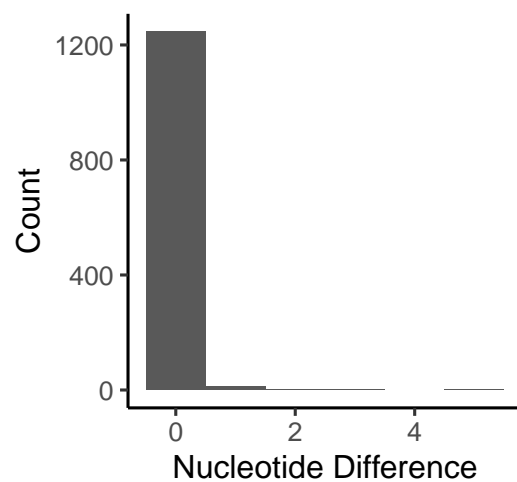
TRBV12-2*ap01

448 sequences assigned
434 (96.9%) exact matches, in which:
431 unique CDR3
13 unique J



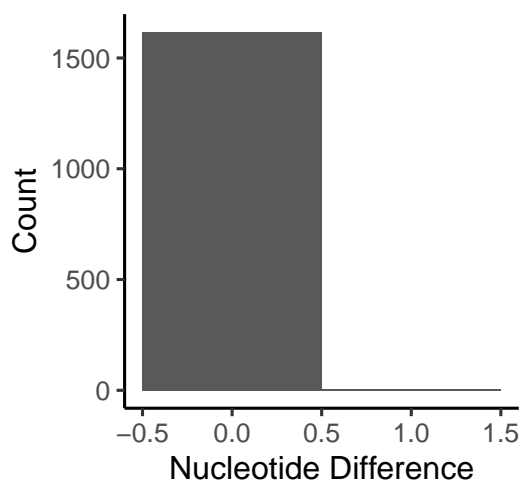
TRBV23-1*ap01

1262 sequences assigned
1246 (98.7%) exact matches, in which:
1240 unique CDR3
13 unique J



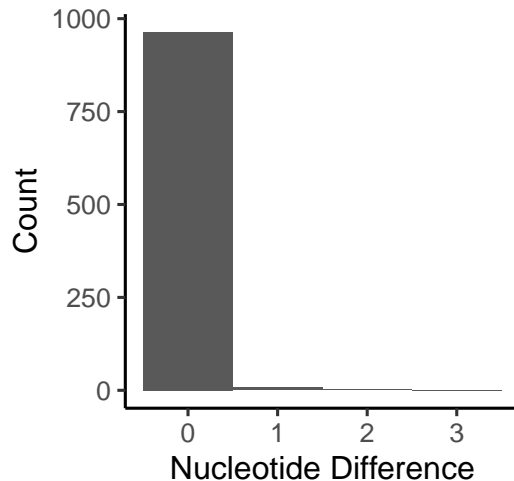
TRBV11-3*ap01

1624 sequences assigned
1617 (99.6%) exact matches, in which:
1613 unique CDR3
13 unique J



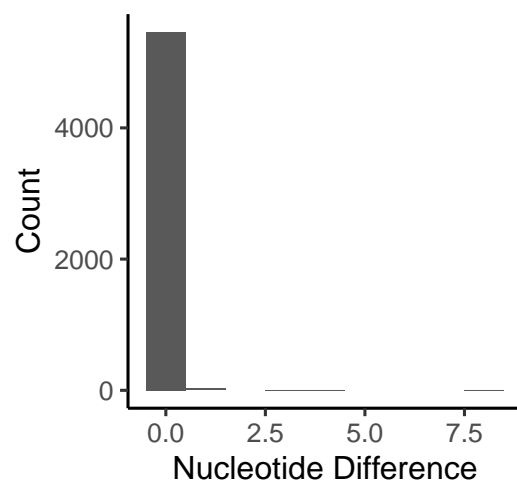
TRBV12-5*ap01

975 sequences assigned
964 (98.9%) exact matches, in which:
959 unique CDR3
13 unique J



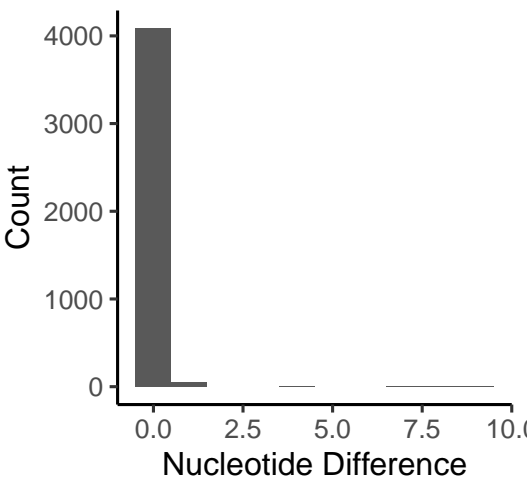
TRBV3-12*ap01

5492 sequences assigned
5461 (99.4%) exact matches, in which:
5438 unique CDR3
13 unique J



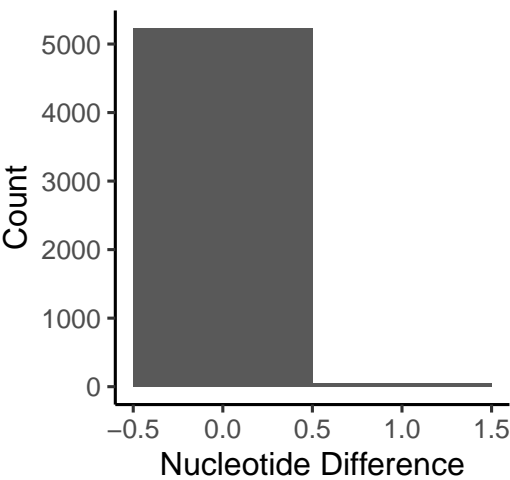
TRBV24-1*ap01

4136 sequences assigned
4085 (98.8%) exact matches, in which:
4025 unique CDR3
13 unique J



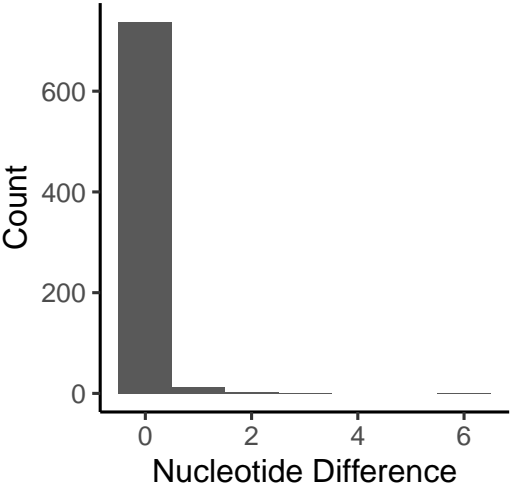
TRBV4-3*ap01

5276 sequences assigned
5228 (99.1%) exact matches, in which:
5173 unique CDR3
13 unique J



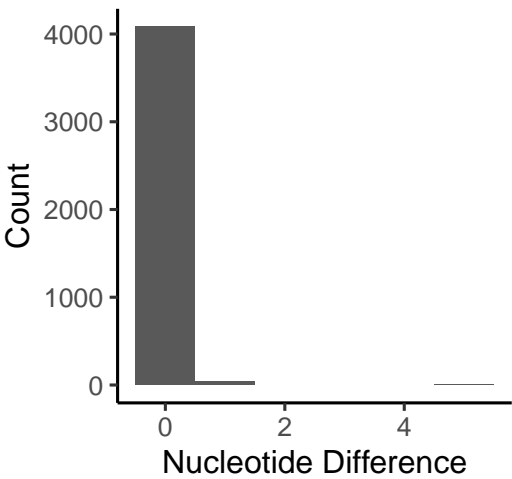
TRBV5-3*ap01

754 sequences assigned
738 (97.9%) exact matches, in which:
730 unique CDR3
13 unique J



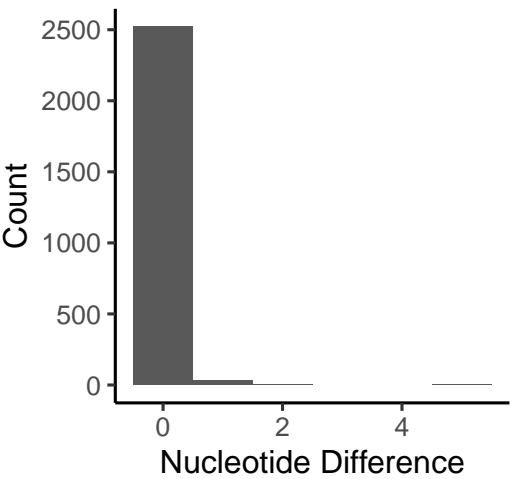
TRBV4-1*ap01

4121 sequences assigned
4083 (99.1%) exact matches, in which:
4022 unique CDR3
13 unique J



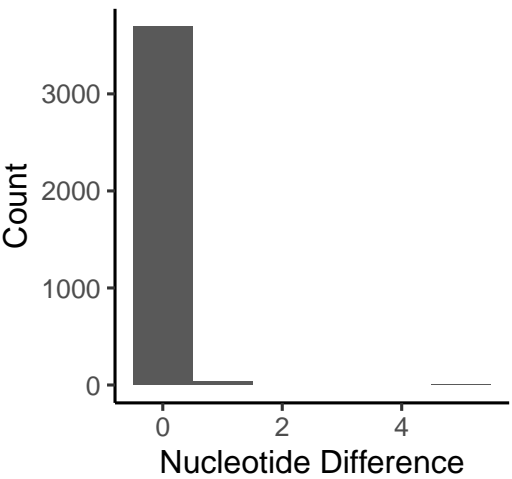
TRBV25-1*ap01

2561 sequences assigned
2521 (98.4%) exact matches, in which:
2472 unique CDR3
13 unique J



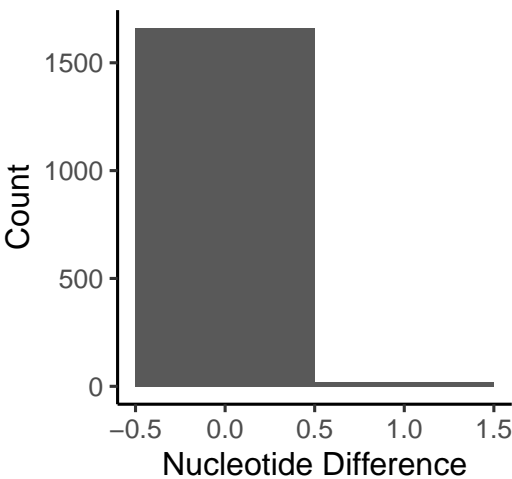
TRBV5-4*ap01

3728 sequences assigned
3692 (99%) exact matches, in which:
3651 unique CDR3
13 unique J



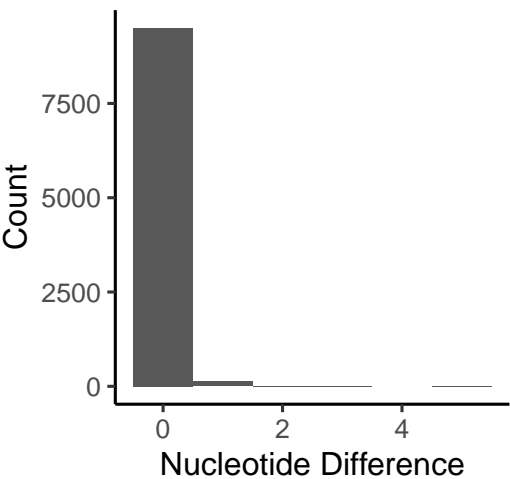
TRBV4-2*ap01

1681 sequences assigned
1661 (98.8%) exact matches, in which:
1639 unique CDR3
13 unique J



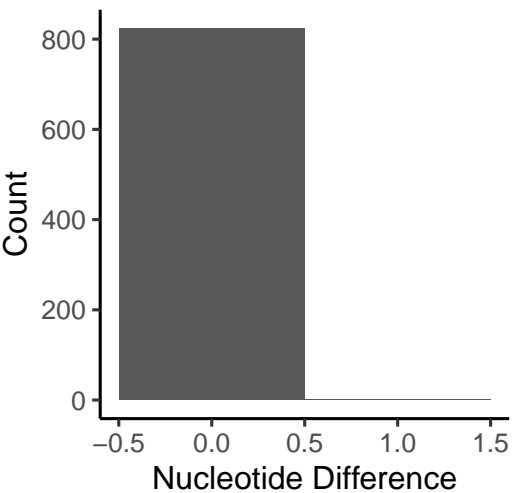
TRBV5-1*ap01

9636 sequences assigned
9499 (98.6%) exact matches, in which:
9376 unique CDR3
13 unique J



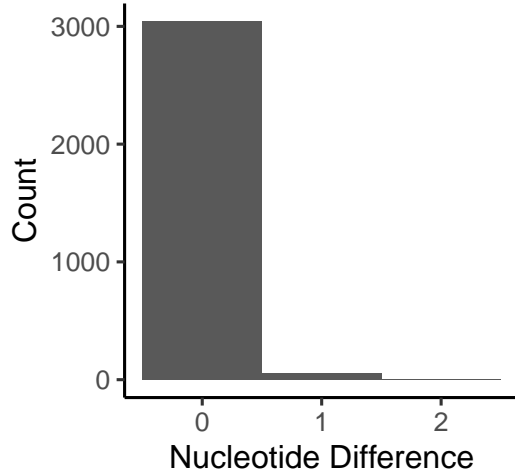
TRBV5-5*ap01

825 sequences assigned
824 (99.9%) exact matches, in which:
819 unique CDR3
13 unique J



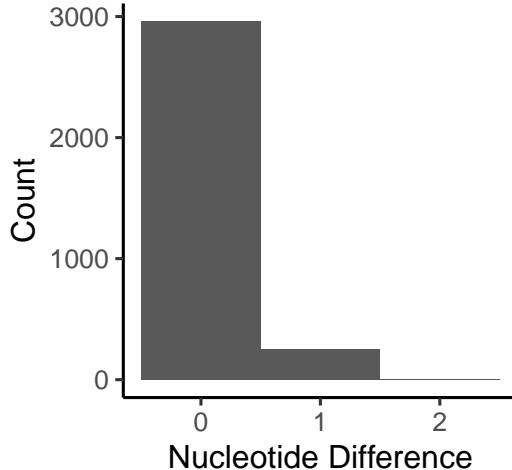
TRBV5-6*ap01

3101 sequences assigned
3042 (98.1%) exact matches, in which:
2981 unique CDR3
13 unique J



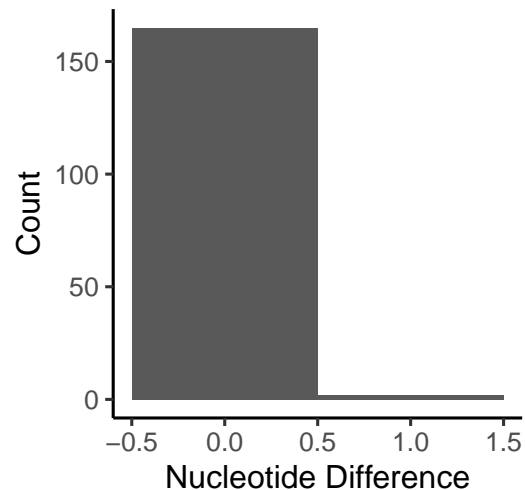
TRBV6-1*ap01

3213 sequences assigned
2960 (92.1%) exact matches, in which:
2906 unique CDR3
13 unique J



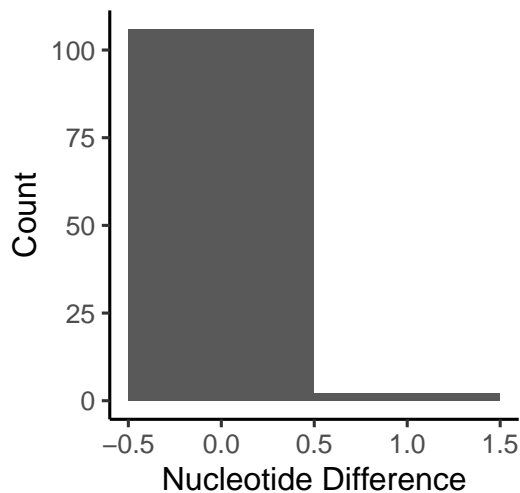
TRBV6-8*ap01

167 sequences assigned
165 (98.8%) exact matches, in which:
165 unique CDR3
12 unique J



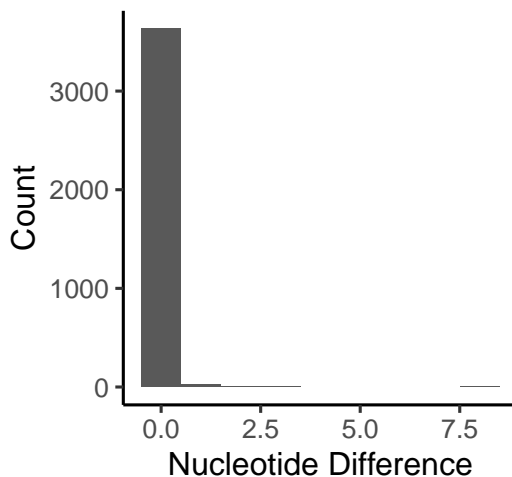
TRBV5-7*ap01

108 sequences assigned
106 (98.1%) exact matches, in which:
104 unique CDR3
12 unique J



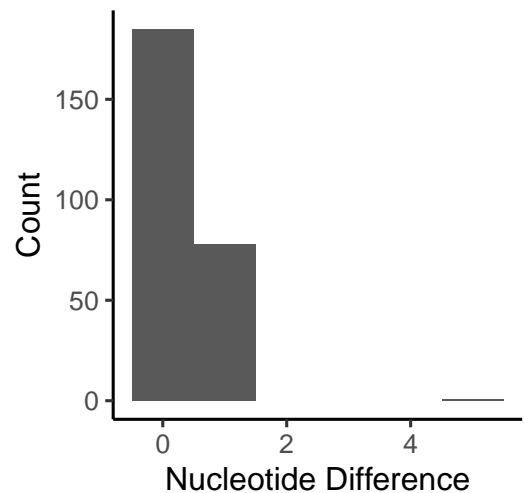
TRBV6-4*ap01

3661 sequences assigned
3632 (99.2%) exact matches, in which:
3595 unique CDR3
13 unique J



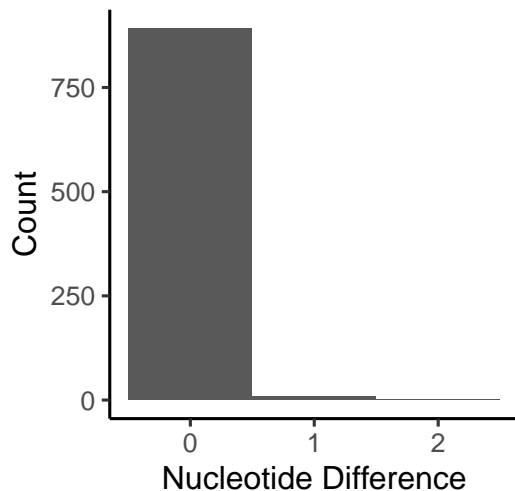
TRBV6-9*ap01

264 sequences assigned
185 (70.1%) exact matches, in which:
180 unique CDR3
13 unique J



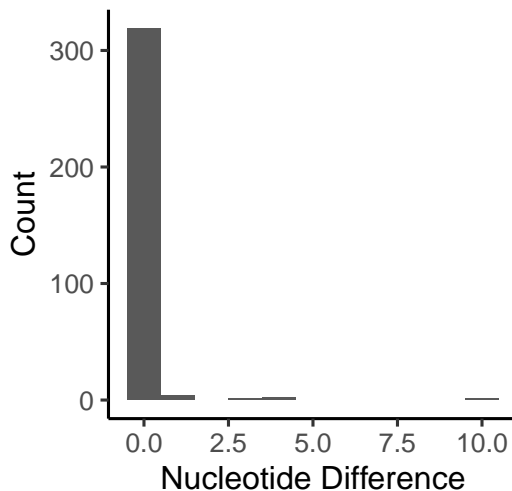
TRBV5-8*ap01

902 sequences assigned
892 (98.9%) exact matches, in which:
884 unique CDR3
13 unique J



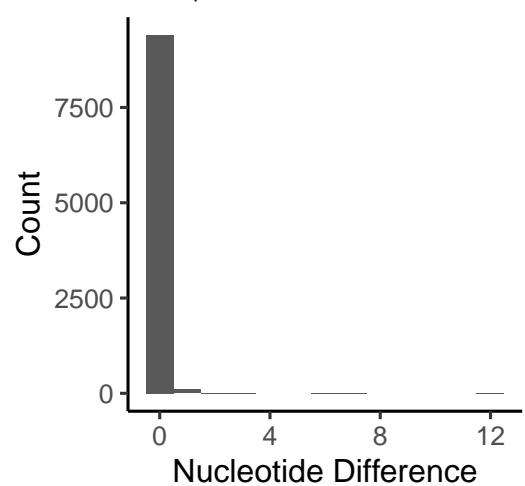
TRBV6-7*ap01

327 sequences assigned
319 (97.6%) exact matches, in which:
315 unique CDR3
13 unique J



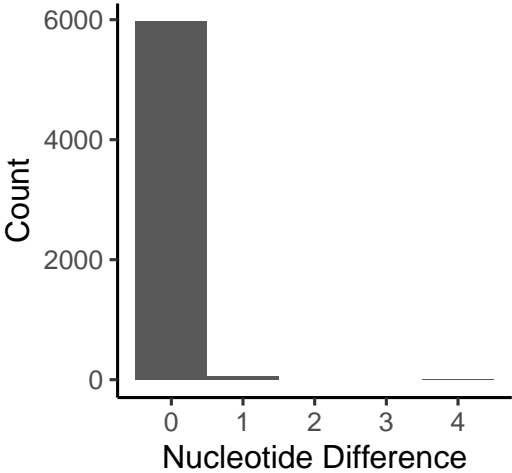
TRBV6-23*ap01

9510 sequences assigned
9400 (98.8%) exact matches, in which:
9210 unique CDR3
13 unique J



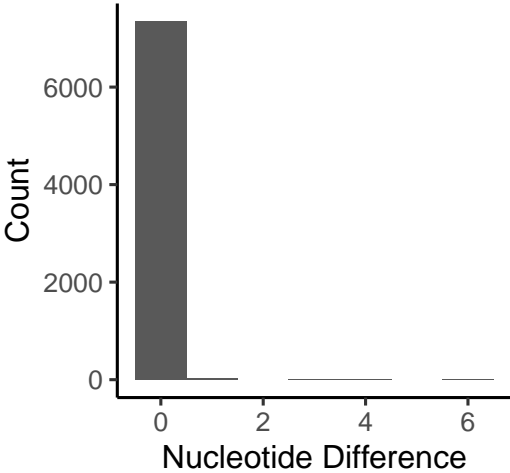
TRBV6-56*ap01

6029 sequences assigned
5971 (99%) exact matches, in which:
5857 unique CDR3
13 unique J



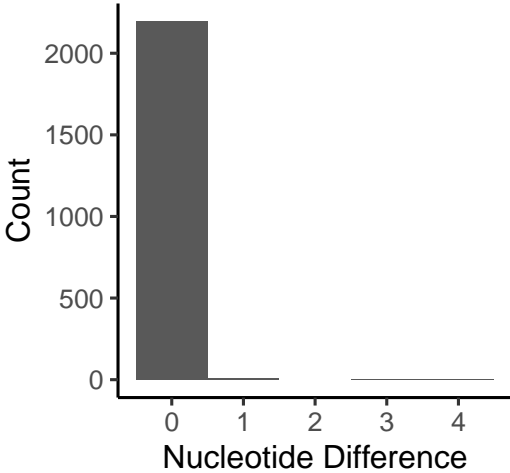
TRBV7-2*ap01

7385 sequences assigned
7347 (99.5%) exact matches, in which:
7277 unique CDR3
13 unique J



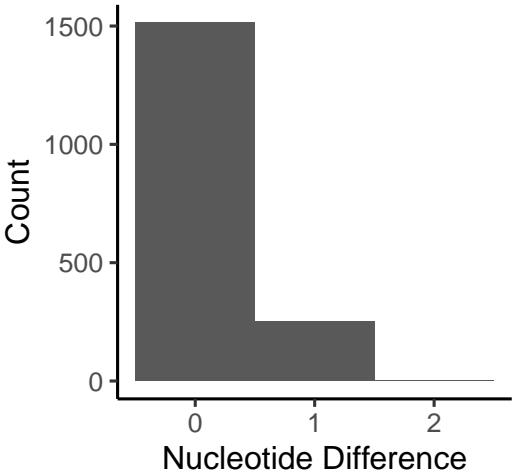
TRBV7-6*ap01

2205 sequences assigned
2195 (99.5%) exact matches, in which:
2173 unique CDR3
13 unique J



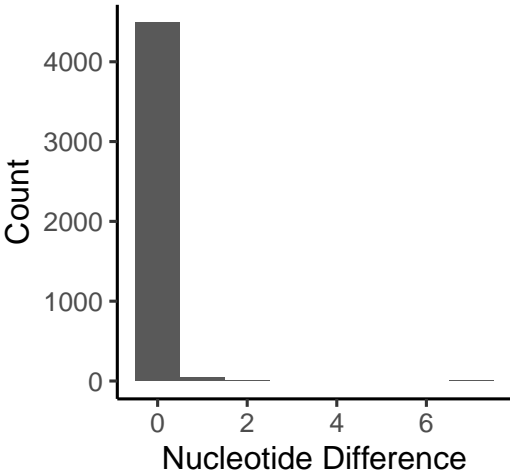
TRBV6-56*ap02

1770 sequences assigned
1514 (85.5%) exact matches, in which:
1484 unique CDR3
13 unique J



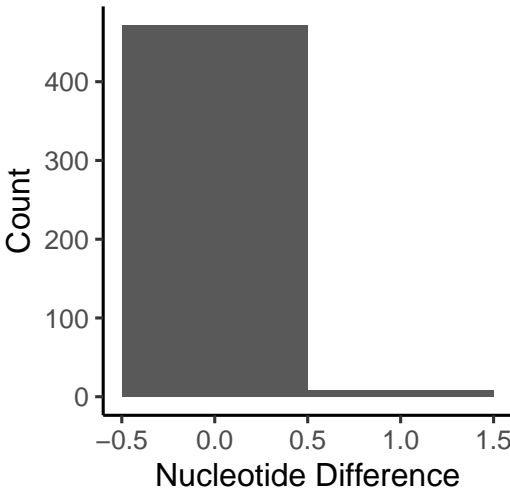
TRBV7-3*ap01

4543 sequences assigned
4489 (98.8%) exact matches, in which:
4452 unique CDR3
13 unique J



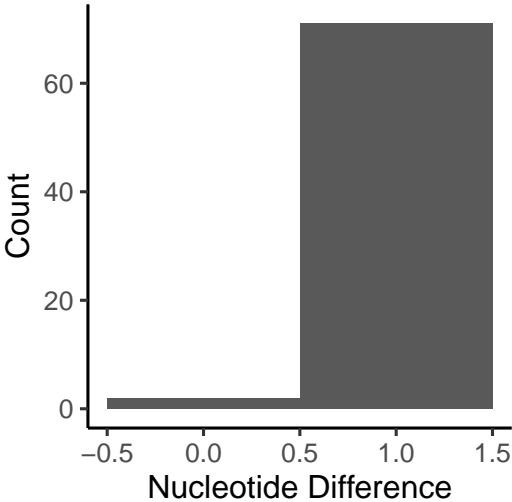
TRBV7-7*ap01

480 sequences assigned
472 (98.3%) exact matches, in which:
468 unique CDR3
13 unique J



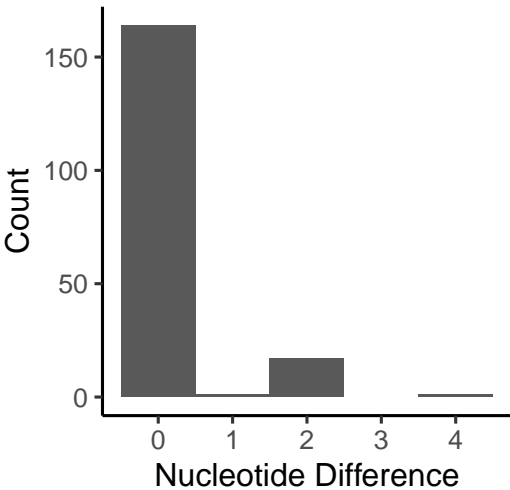
TRBV7-1*ap01_T296C

73 sequences assigned
2 (2.7%) exact matches, in which:
2 unique CDR3
2 unique J



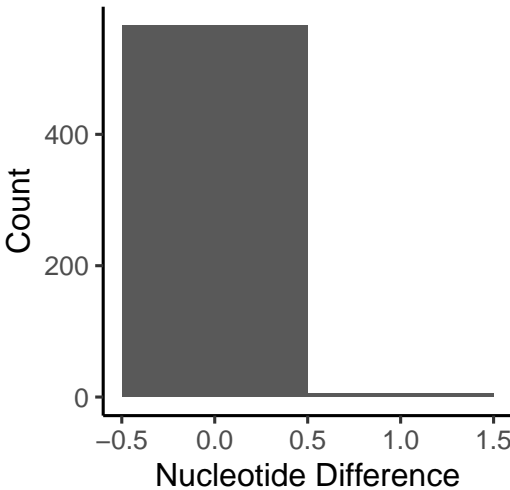
TRBV7-4*ap01

183 sequences assigned
164 (89.6%) exact matches, in which:
163 unique CDR3
13 unique J



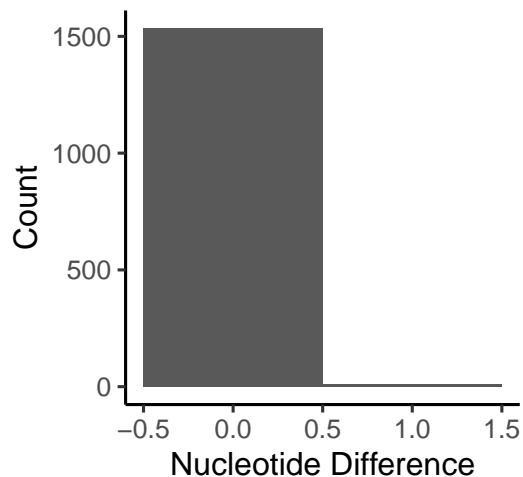
TRBV7-7*ap01_C315T

571 sequences assigned
566 (99.1%) exact matches, in which:
556 unique CDR3
12 unique J



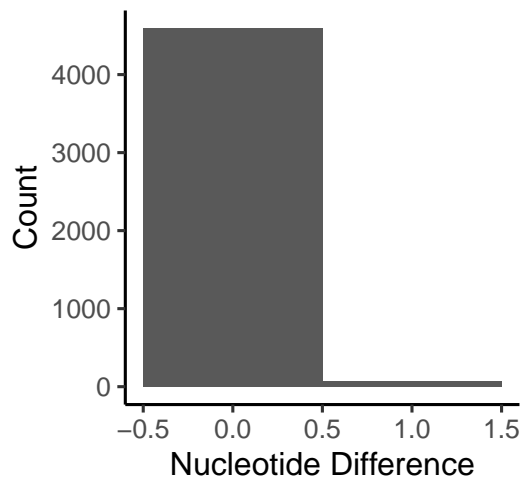
TRBV7-8*ap01

1543 sequences assigned
1534 (99.4%) exact matches, in which:
1517 unique CDR3
13 unique J



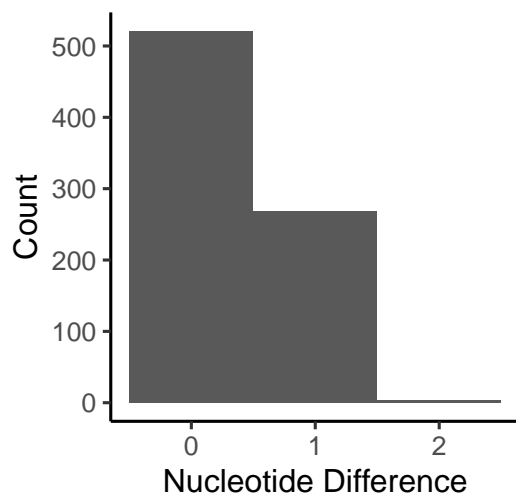
TRBV29-1*ap01

4662 sequences assigned
4592 (98.5%) exact matches, in which:
4482 unique CDR3
13 unique J



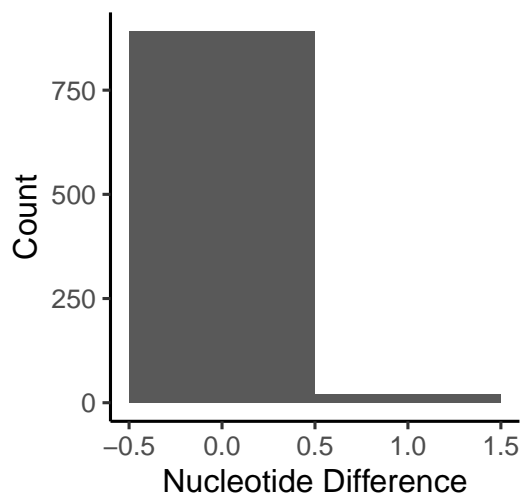
TRBV7-8*ap03

794 sequences assigned
521 (65.6%) exact matches, in which:
516 unique CDR3
13 unique J



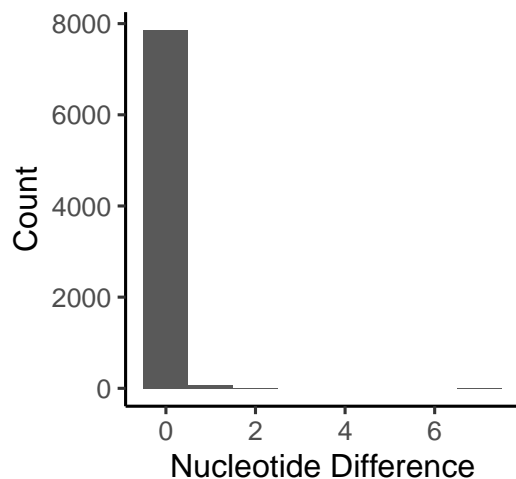
TRBV29-1*ap02

912 sequences assigned
892 (97.8%) exact matches, in which:
878 unique CDR3
13 unique J

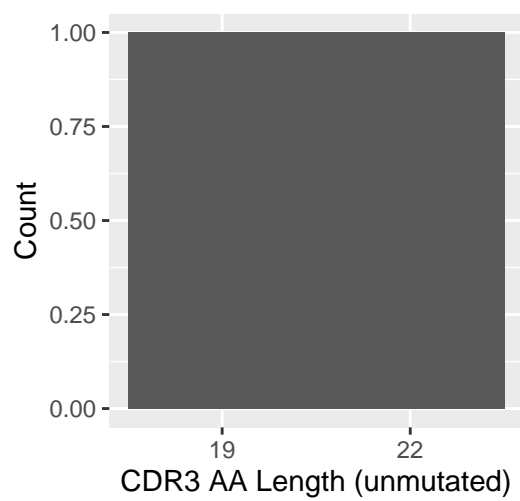


TRBV7-9*ap01

7942 sequences assigned
7859 (99%) exact matches, in which:
7789 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

