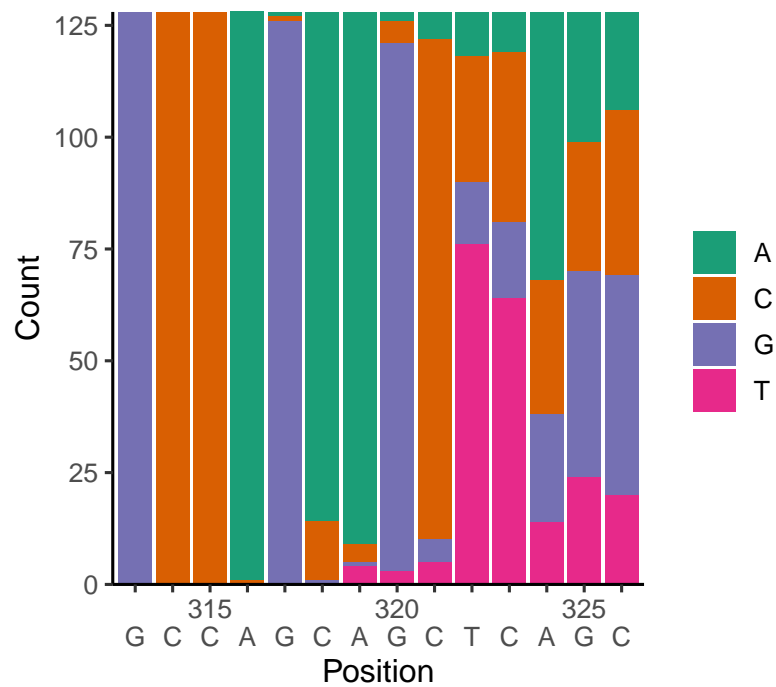
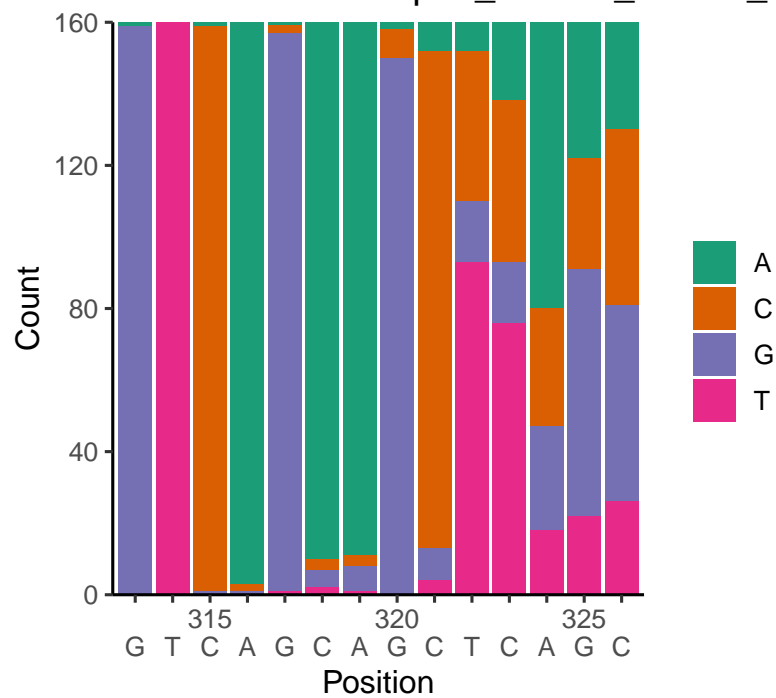


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



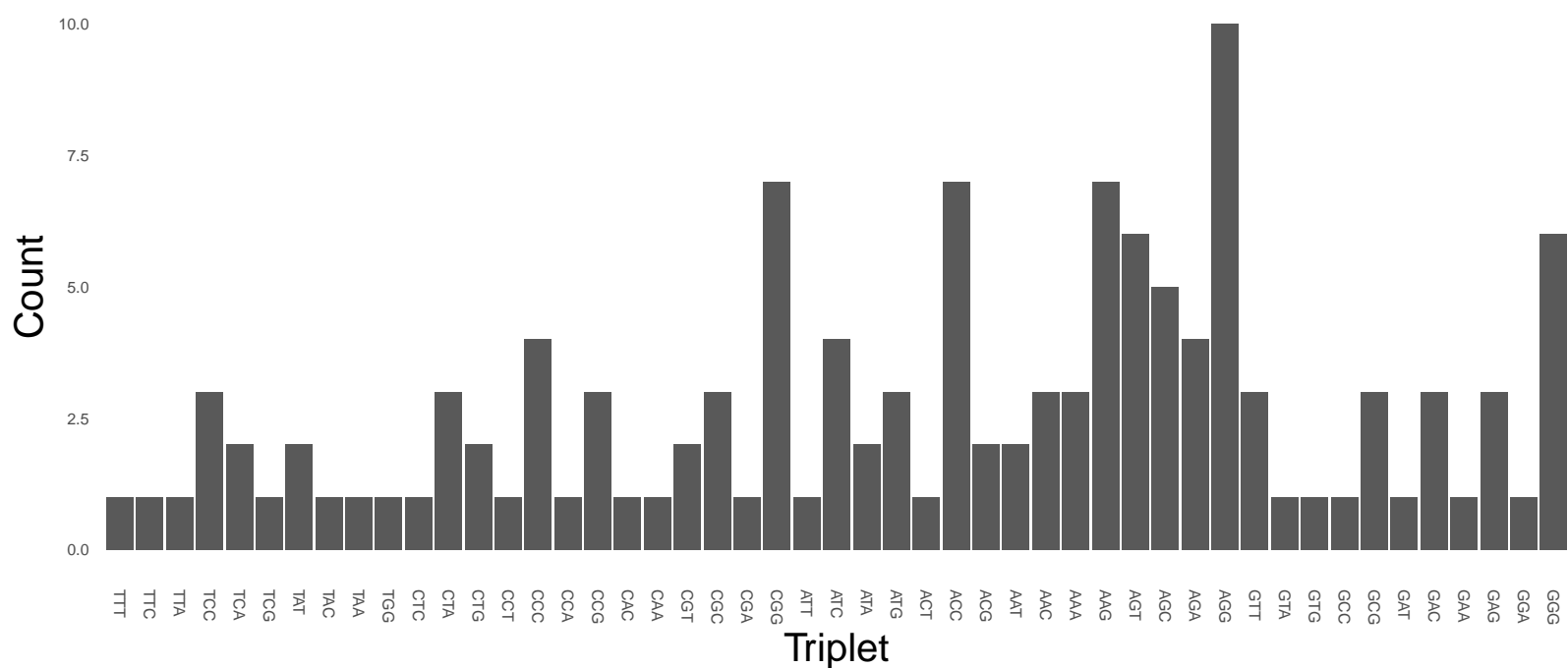
Gene TRBV7-1*ap01_G291C_T296C



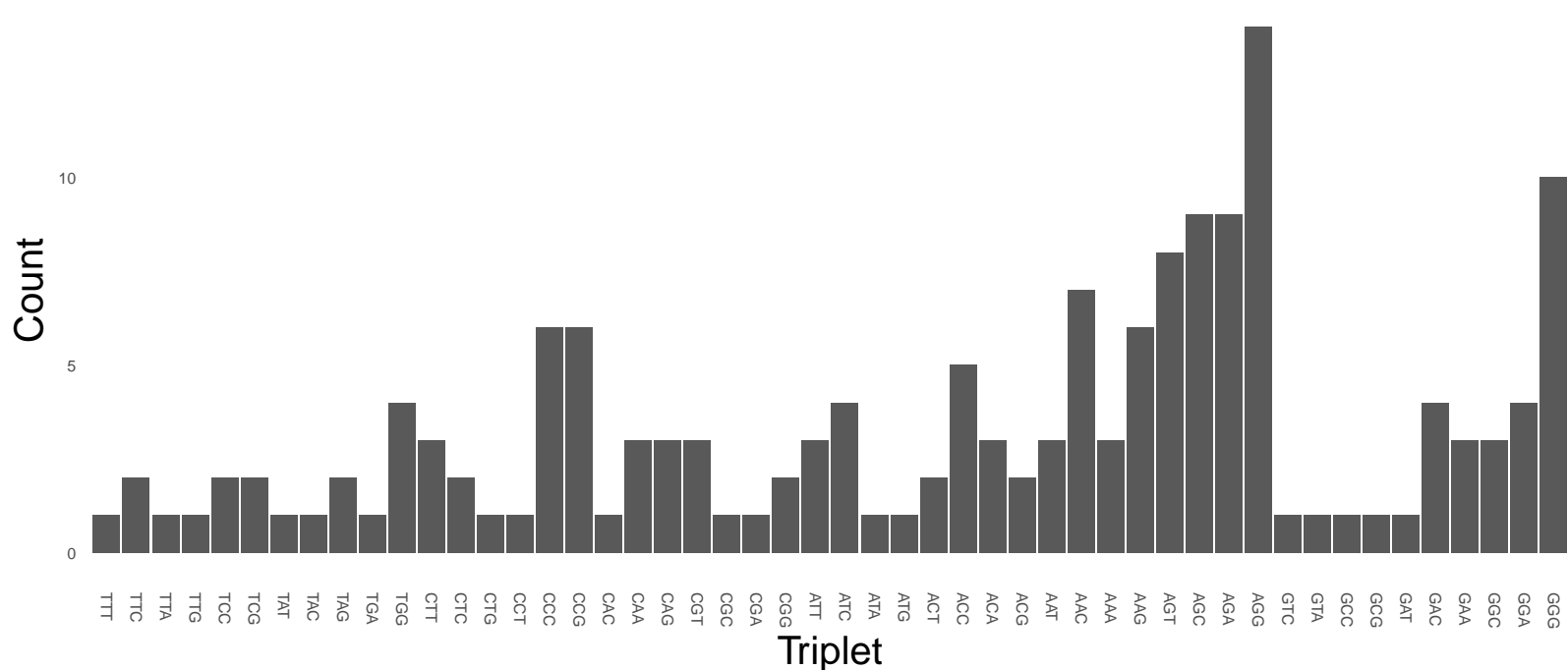
Gene TRBV7-1*ap01_G291C_T296C_C314T



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

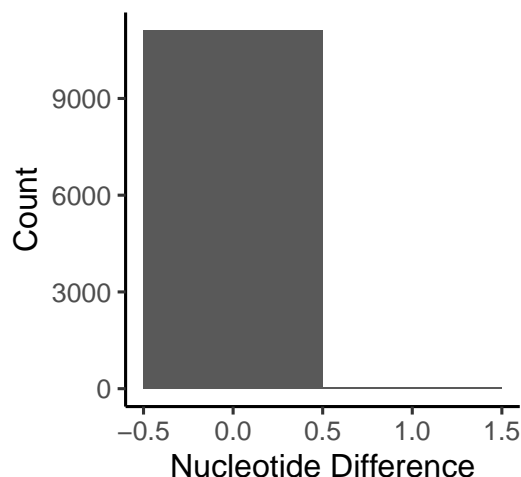


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



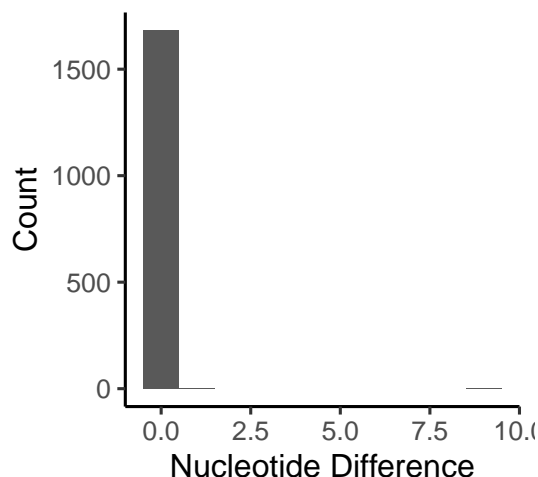
TRBV20-1*ap01

11144 sequences assigned
11110 (99.7%) exact matches, in which:
11095 unique CDR3
13 unique J



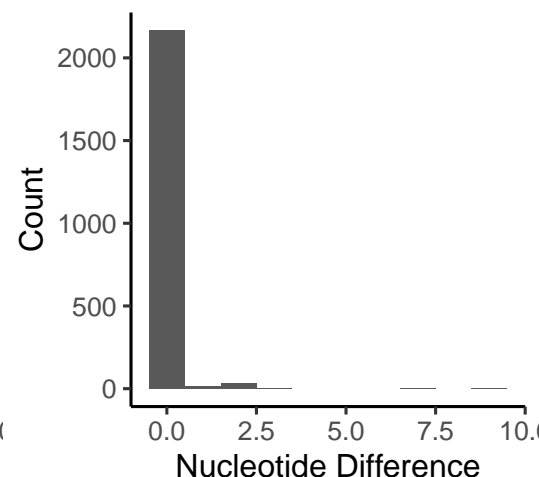
TRBV10-2*ap01

1686 sequences assigned
1682 (99.8%) exact matches, in which:
1681 unique CDR3
13 unique J



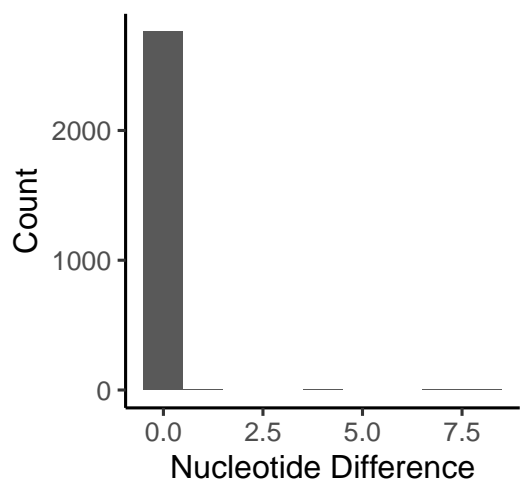
TRBV13*ap01

2214 sequences assigned
2166 (97.8%) exact matches, in which:
2159 unique CDR3
13 unique J



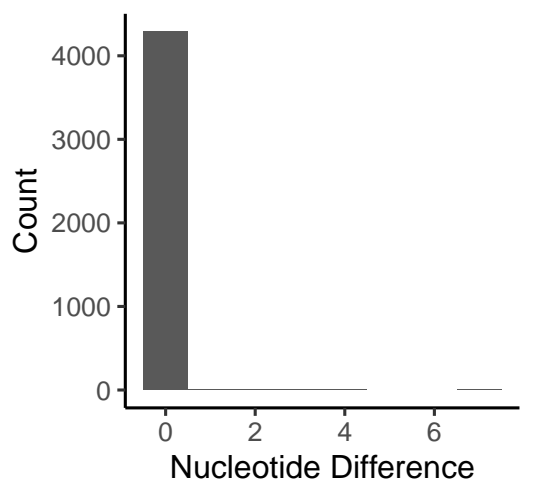
TRBV10-1*ap01

2765 sequences assigned
2761 (99.9%) exact matches, in which:
2760 unique CDR3
13 unique J



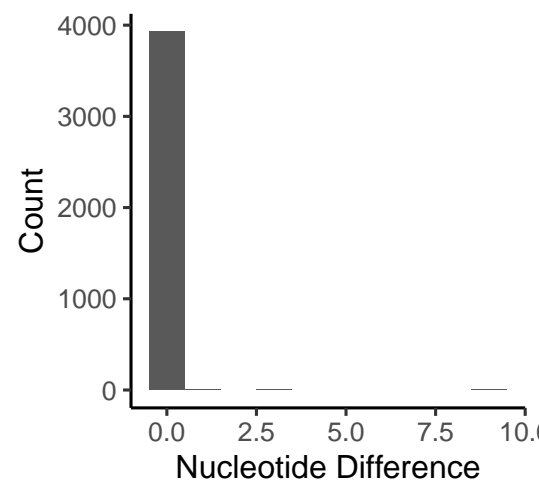
TRBV10-3*ap01

4304 sequences assigned
4288 (99.6%) exact matches, in which:
4284 unique CDR3
13 unique J



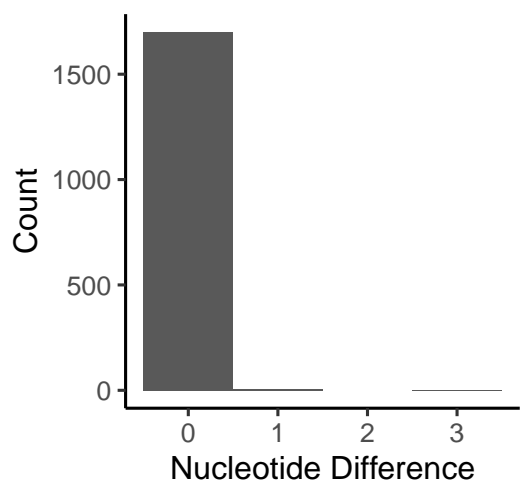
TRBV14*ap01

3936 sequences assigned
3928 (99.8%) exact matches, in which:
3927 unique CDR3
13 unique J



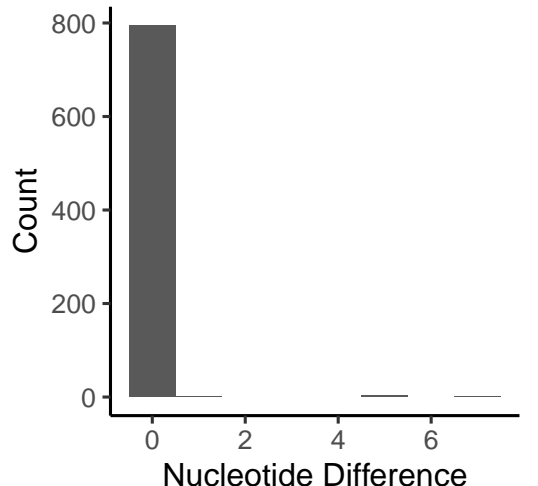
TRBV20-1*ap02

1707 sequences assigned
1700 (99.6%) exact matches, in which:
1699 unique CDR3
13 unique J



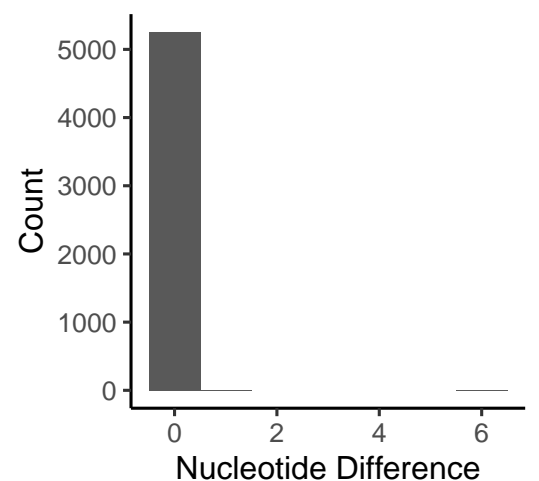
TRBV1*ap01

801 sequences assigned
795 (99.3%) exact matches, in which:
794 unique CDR3
13 unique J



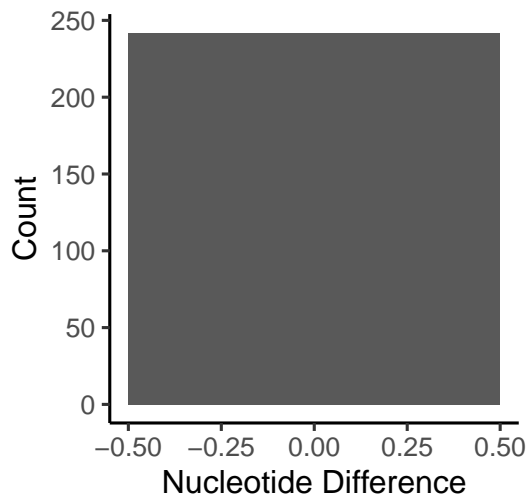
TRBV15*ap02

5264 sequences assigned
5254 (99.8%) exact matches, in which:
5239 unique CDR3
13 unique J



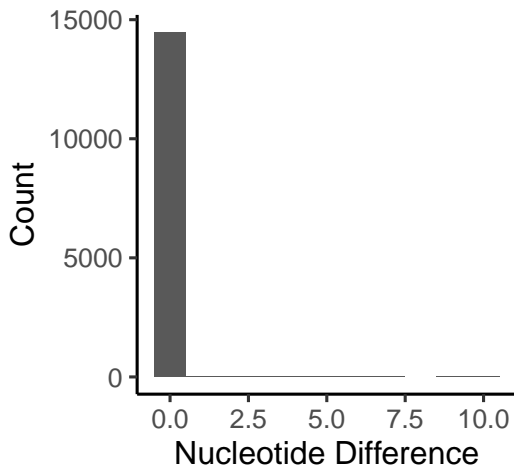
TRBV16*ap01

242 sequences assigned
242 (100%) exact matches, in which:
242 unique CDR3
13 unique J



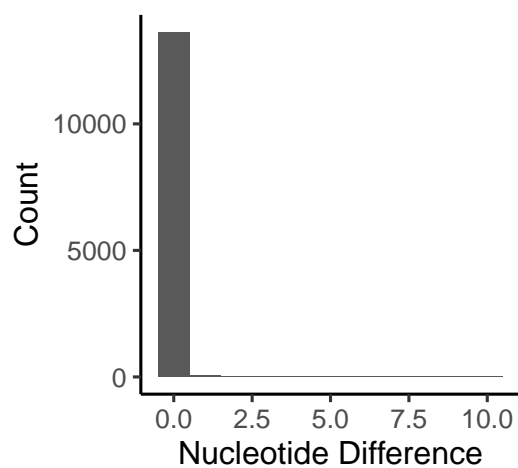
TRBV19*ap01

14513 sequences assigned
14476 (99.7%) exact matches, in which:
14473 unique CDR3
13 unique J



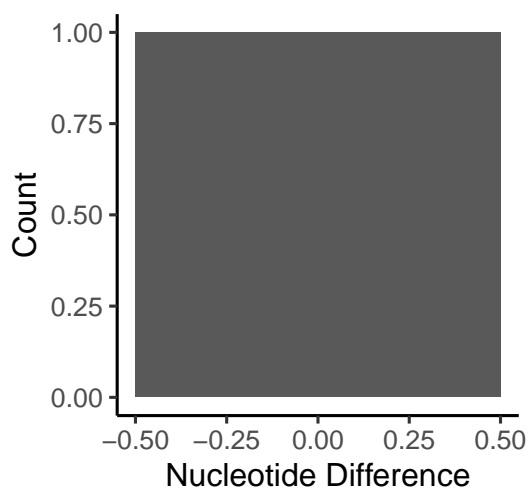
TRBV27*ap01

13703 sequences assigned
13624 (99.4%) exact matches, in which:
13578 unique CDR3
13 unique J



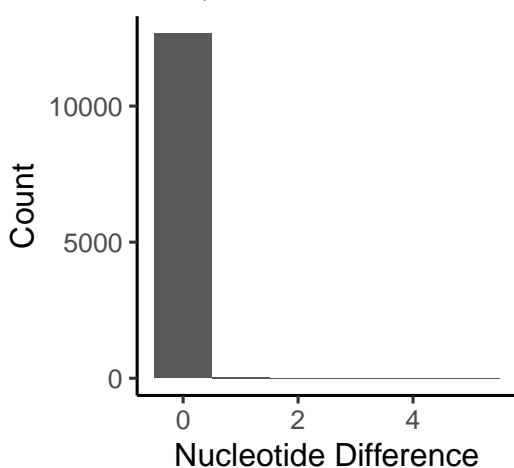
TRBV17*ap01

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



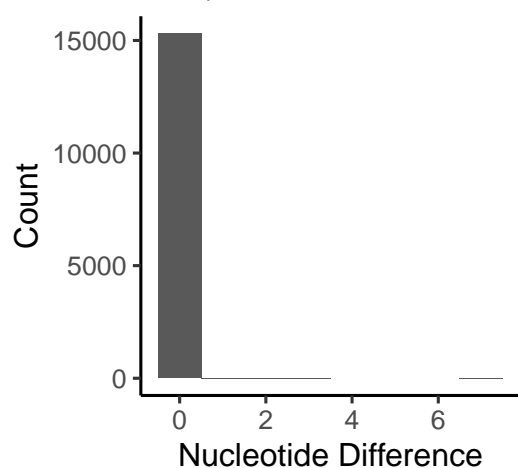
TRBV2*ap01

12725 sequences assigned
12667 (99.5%) exact matches, in which:
12631 unique CDR3
13 unique J



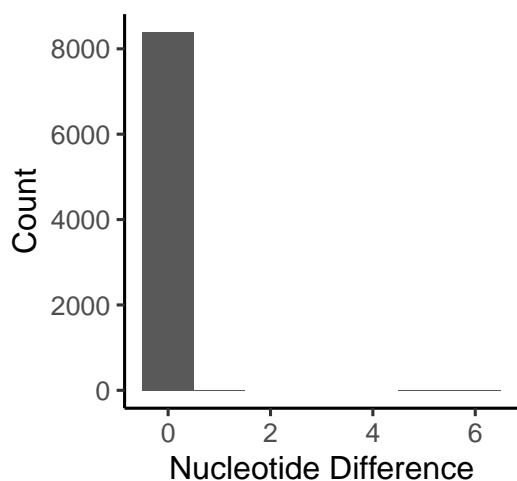
TRBV28*ap01

15328 sequences assigned
15310 (99.9%) exact matches, in which:
15300 unique CDR3
13 unique J



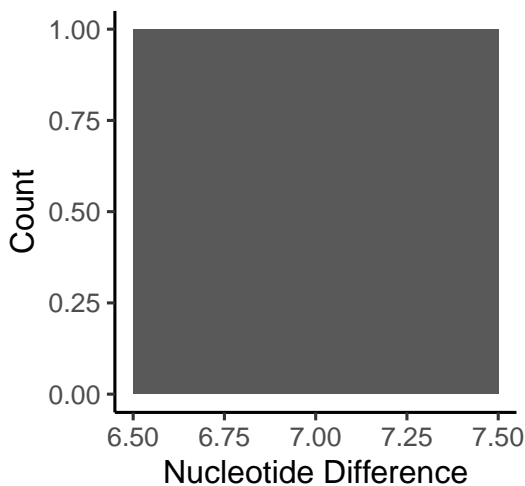
TRBV18*ap01

8408 sequences assigned
8393 (99.8%) exact matches, in which:
8391 unique CDR3
13 unique J



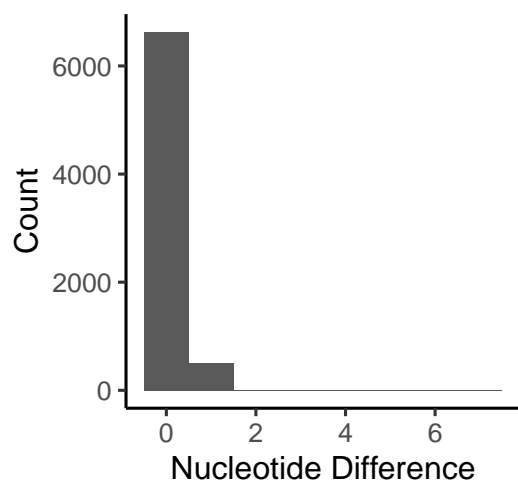
TRBV26*ap01

1 sequences assigned
No exact matches.



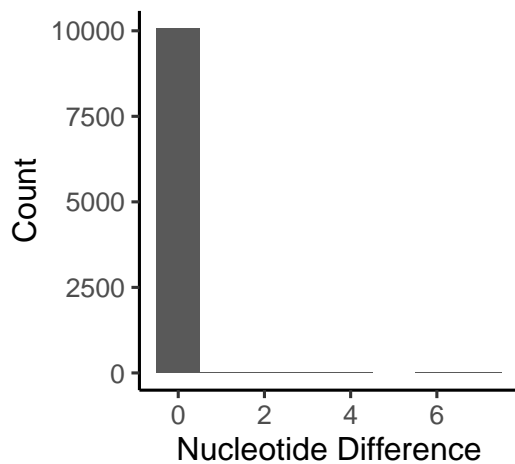
TRBV30*ap01

7150 sequences assigned
6627 (92.7%) exact matches, in which:
6615 unique CDR3
13 unique J



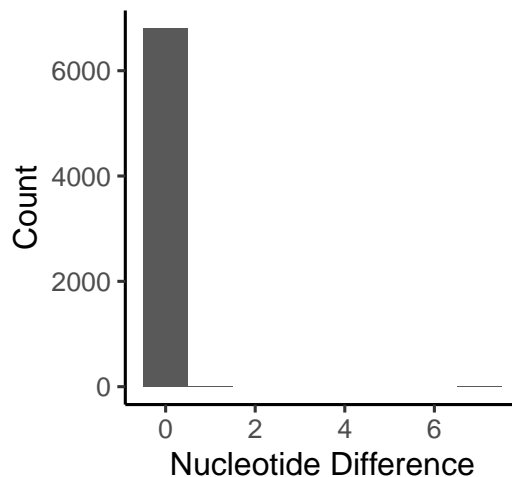
TRBV9*ap01

10093 sequences assigned
10077 (99.8%) exact matches, in which:
10061 unique CDR3
14 unique J



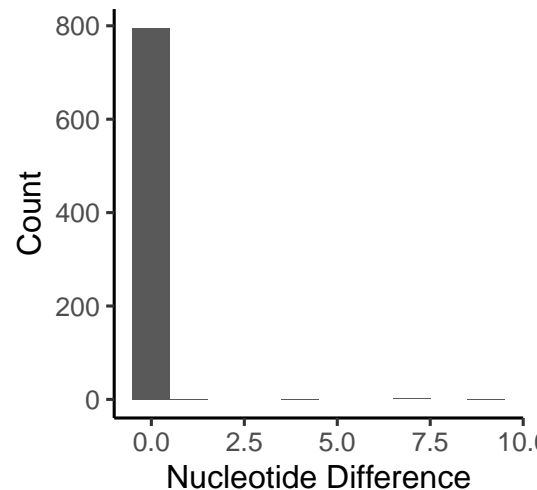
TRBV11-2*ap01

6812 sequences assigned
6803 (99.9%) exact matches, in which:
6801 unique CDR3
13 unique J



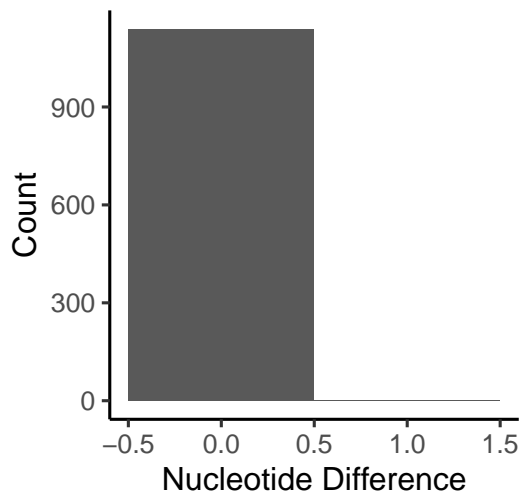
TRBV12-2*ap01

801 sequences assigned
796 (99.4%) exact matches, in which:
795 unique CDR3
14 unique J



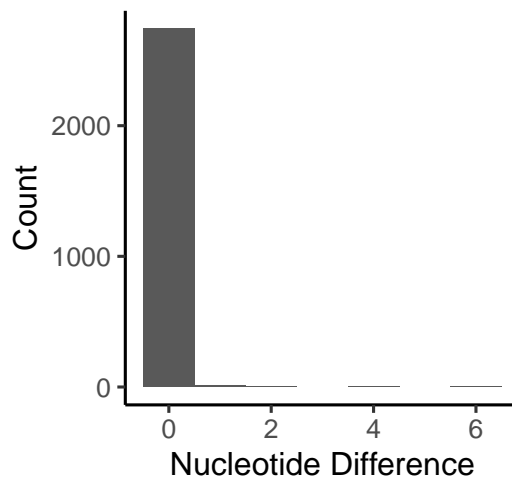
TRBV11-1*ap01

1140 sequences assigned
1139 (99.9%) exact matches, in which:
1138 unique CDR3
13 unique J



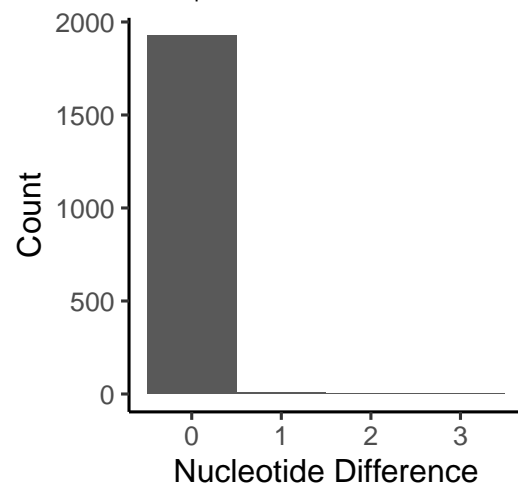
TRBV11-3*ap01

2754 sequences assigned
2742 (99.6%) exact matches, in which:
2742 unique CDR3
13 unique J



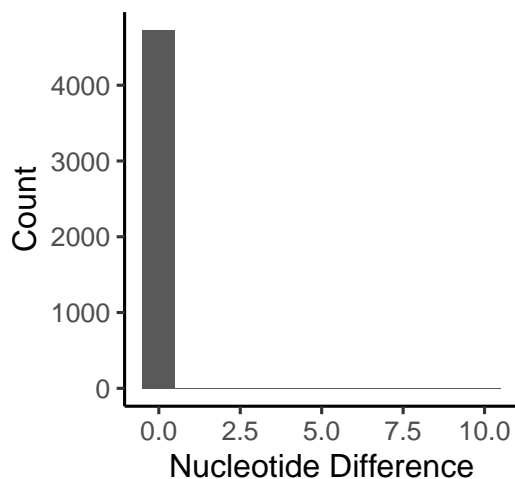
TRBV12-5*ap01

1936 sequences assigned
1926 (99.5%) exact matches, in which:
1926 unique CDR3
13 unique J



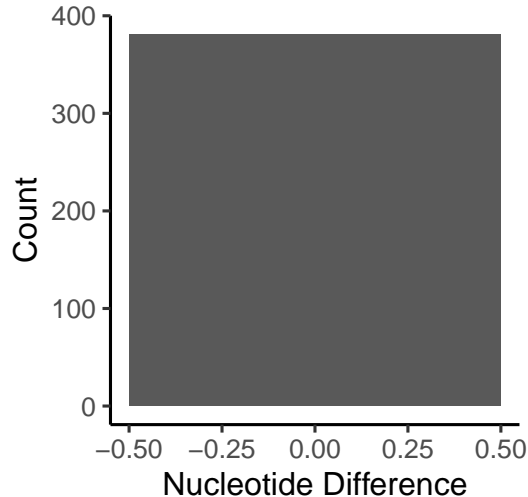
TRBV21-1*ap01

4760 sequences assigned
4728 (99.3%) exact matches, in which:
4728 unique CDR3
13 unique J



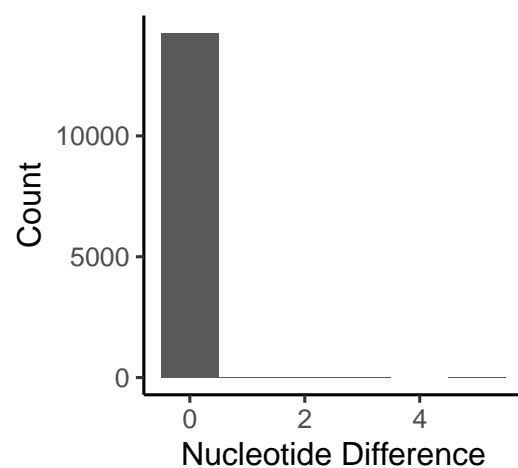
TRBV12-1*ap01

381 sequences assigned
381 (100%) exact matches, in which:
381 unique CDR3
13 unique J



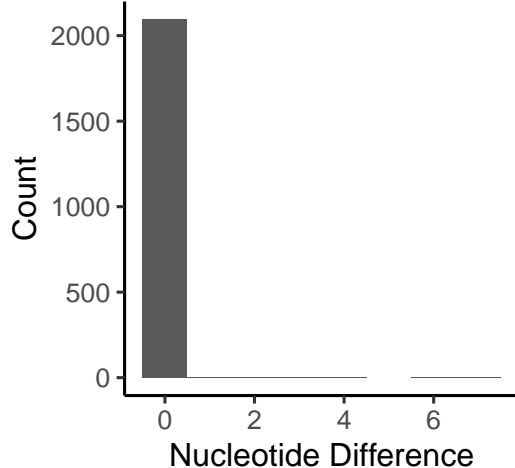
TRBV12-34*ap01

14300 sequences assigned
14268 (99.8%) exact matches, in which:
14257 unique CDR3
13 unique J



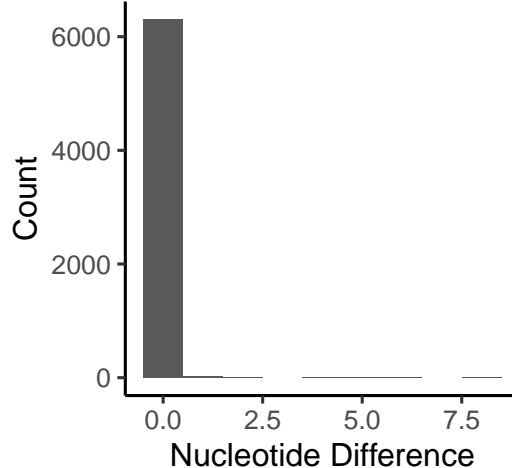
TRBV23-1*ap01

2110 sequences assigned
2095 (99.3%) exact matches, in which:
2095 unique CDR3
13 unique J



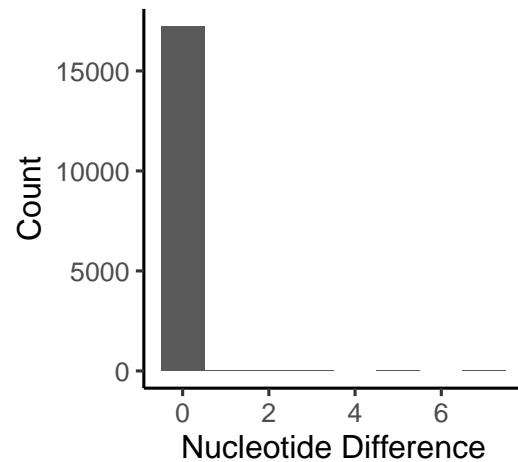
TRBV24-1*ap01

6341 sequences assigned
6304 (99.4%) exact matches, in which:
6288 unique CDR3
13 unique J



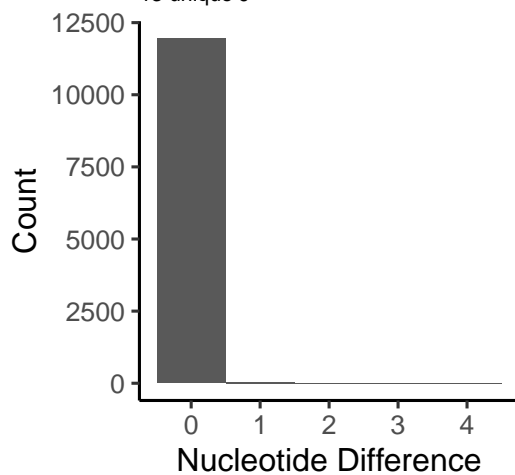
TRBV5-1*ap01

17285 sequences assigned
17239 (99.7%) exact matches, in which:
17183 unique CDR3
13 unique J



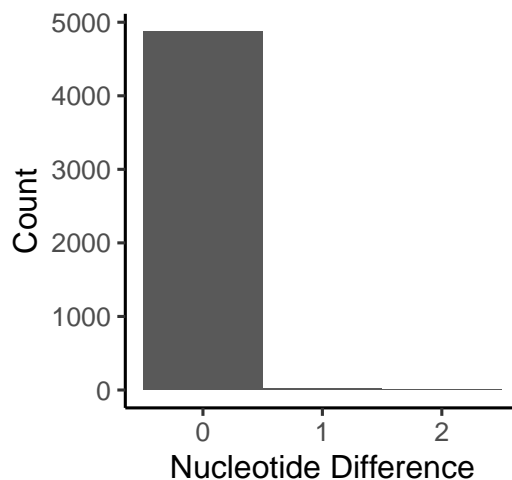
TRBV3-12*ap01

11999 sequences assigned
11951 (99.6%) exact matches, in which:
11932 unique CDR3
13 unique J



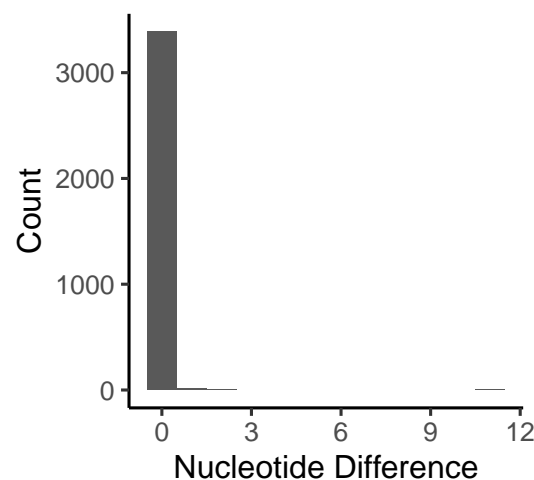
TRBV4-2*ap01

4896 sequences assigned
4871 (99.5%) exact matches, in which:
4865 unique CDR3
13 unique J



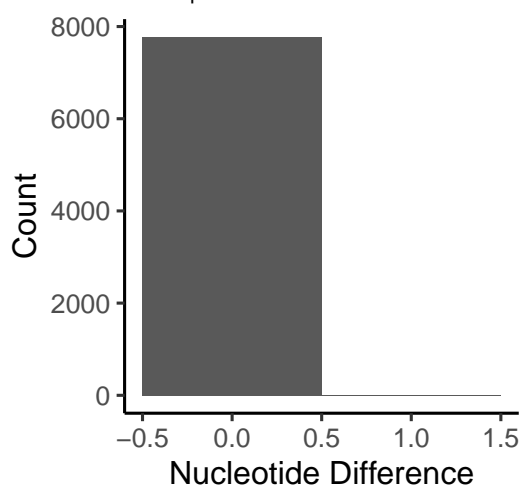
TRBV25-1*ap01

3401 sequences assigned
3387 (99.6%) exact matches, in which:
3384 unique CDR3
13 unique J



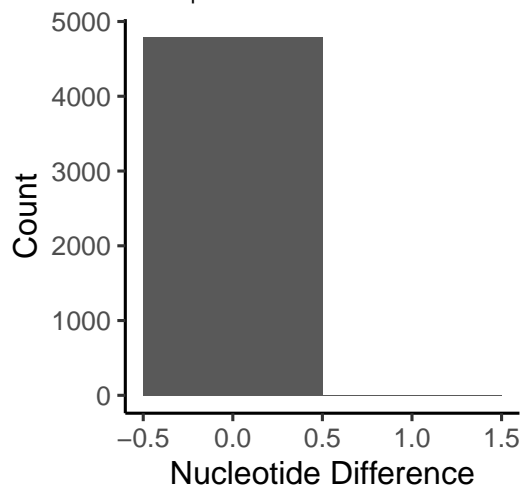
TRBV4-1*ap01

7784 sequences assigned
7772 (99.8%) exact matches, in which:
7767 unique CDR3
13 unique J



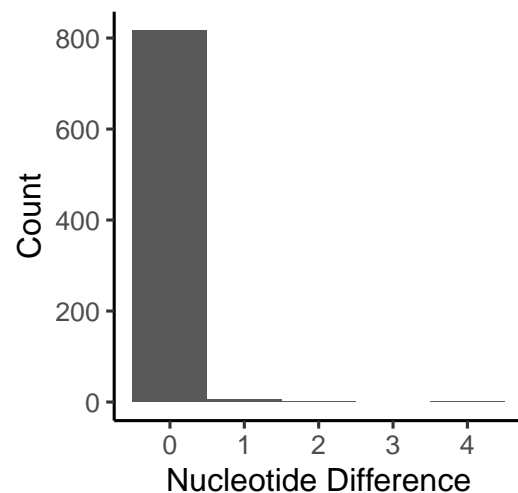
TRBV4-3*ap01

4799 sequences assigned
4792 (99.9%) exact matches, in which:
4786 unique CDR3
13 unique J



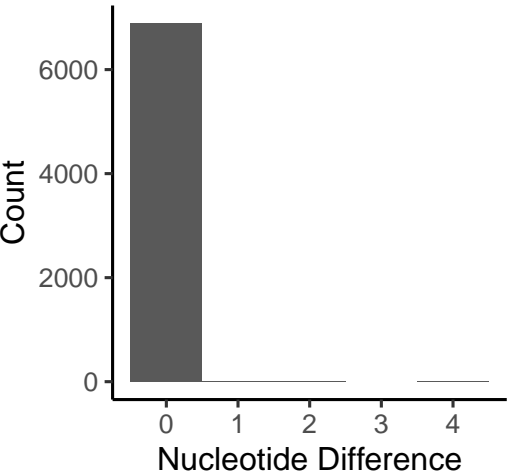
TRBV5-3*ap01

825 sequences assigned
817 (99%) exact matches, in which:
815 unique CDR3
13 unique J



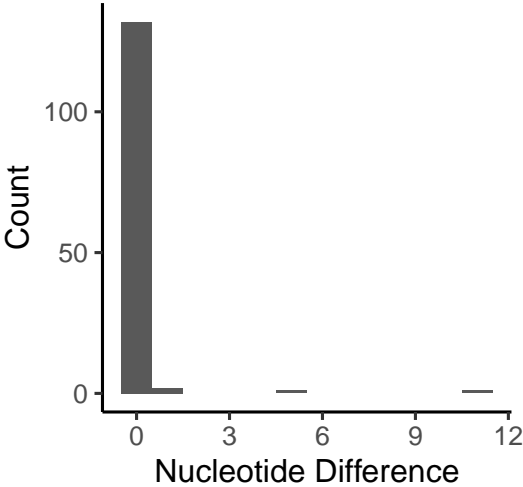
TRBV5-4*ap01

6899 sequences assigned
6888 (99.8%) exact matches, in which:
6885 unique CDR3
13 unique J



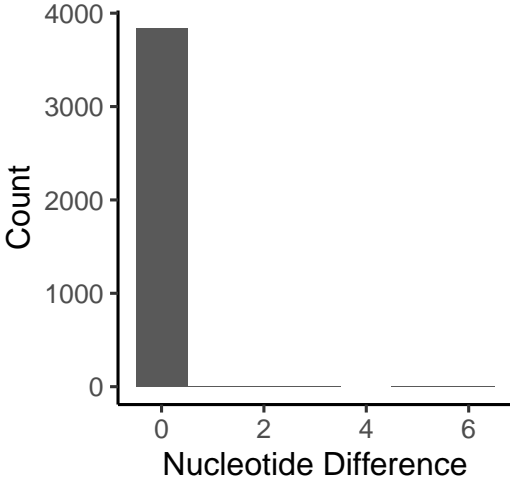
TRBV5-7*ap01

136 sequences assigned
132 (97.1%) exact matches, in which:
132 unique CDR3
13 unique J



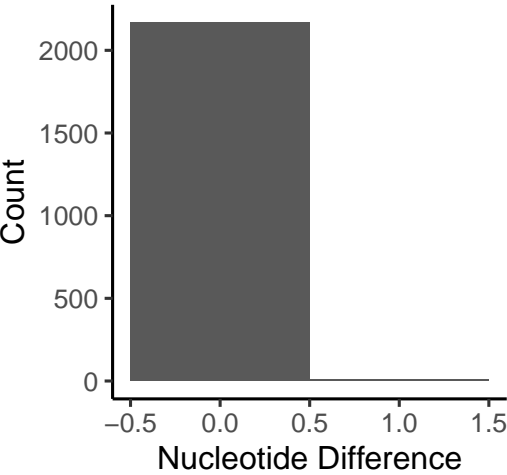
TRBV6-4*ap01

3856 sequences assigned
3837 (99.5%) exact matches, in which:
3834 unique CDR3
13 unique J



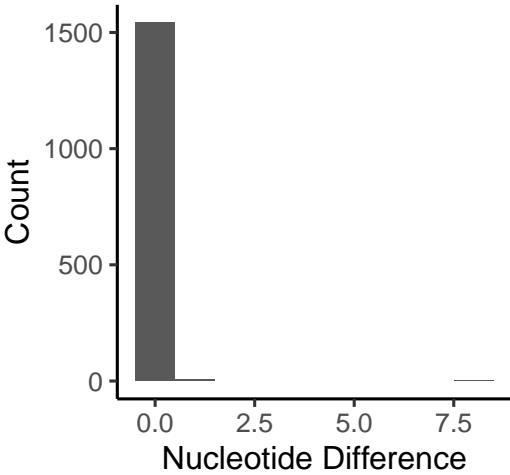
TRBV5-5*ap01

2179 sequences assigned
2167 (99.4%) exact matches, in which:
2167 unique CDR3
13 unique J



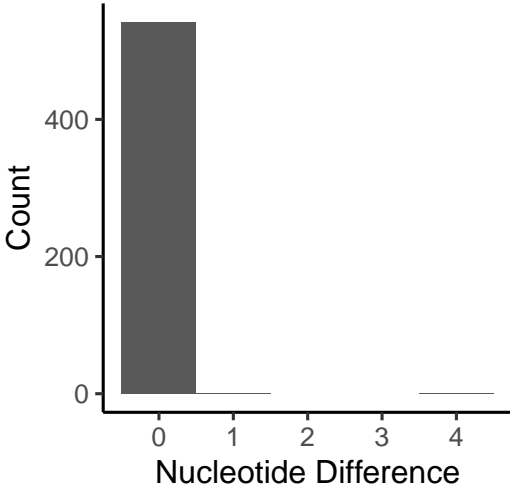
TRBV5-8*ap01

1550 sequences assigned
1542 (99.5%) exact matches, in which:
1542 unique CDR3
13 unique J



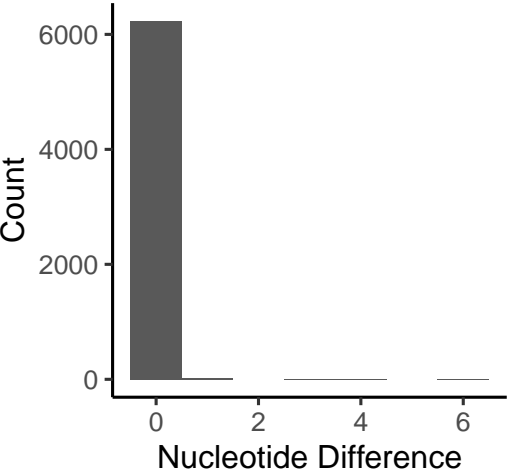
TRBV6-7*ap01

544 sequences assigned
542 (99.6%) exact matches, in which:
542 unique CDR3
13 unique J



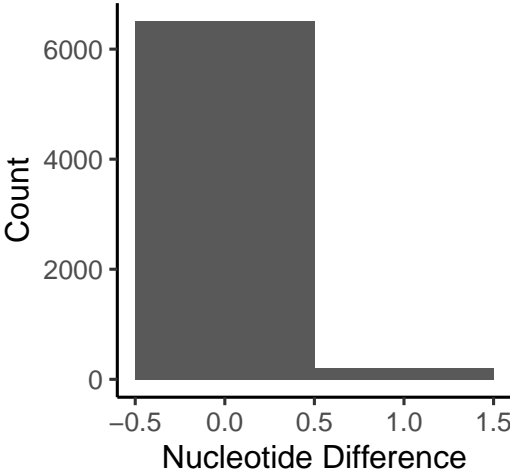
TRBV5-6*ap01

6259 sequences assigned
6232 (99.6%) exact matches, in which:
6209 unique CDR3
13 unique J



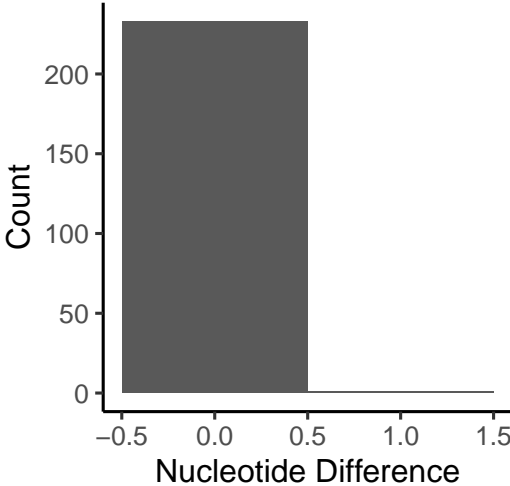
TRBV6-1*ap01

6718 sequences assigned
6510 (96.9%) exact matches, in which:
6493 unique CDR3
13 unique J



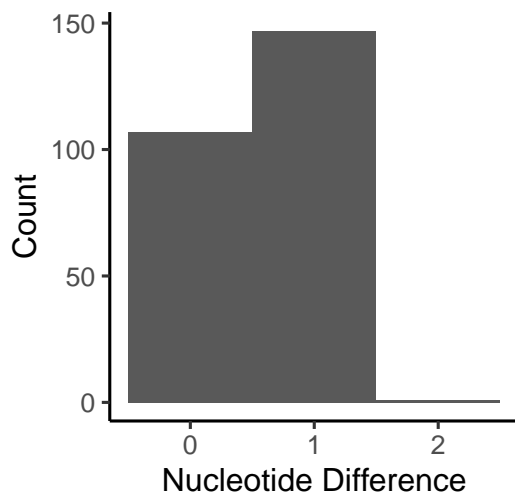
TRBV6-8*ap01

234 sequences assigned
233 (99.6%) exact matches, in which:
233 unique CDR3
13 unique J



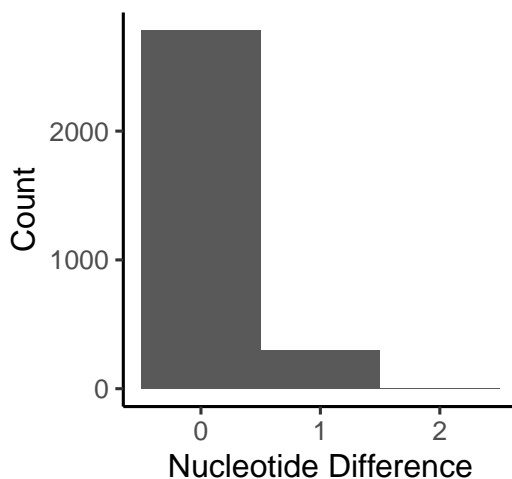
TRBV6–9*ap01

255 sequences assigned
107 (42%) exact matches, in which:
107 unique CDR3
13 unique J



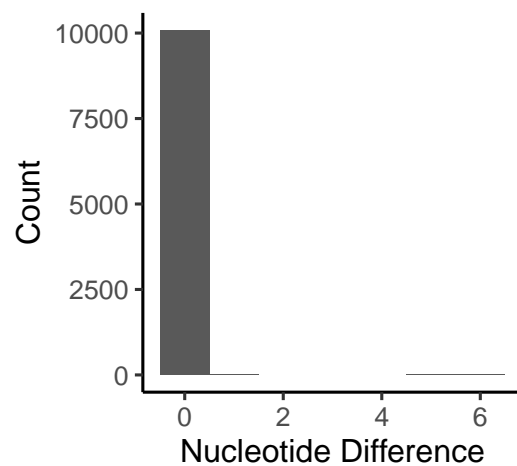
TRBV6–56*ap02

3080 sequences assigned
2782 (90.3%) exact matches, in which:
2776 unique CDR3
13 unique J



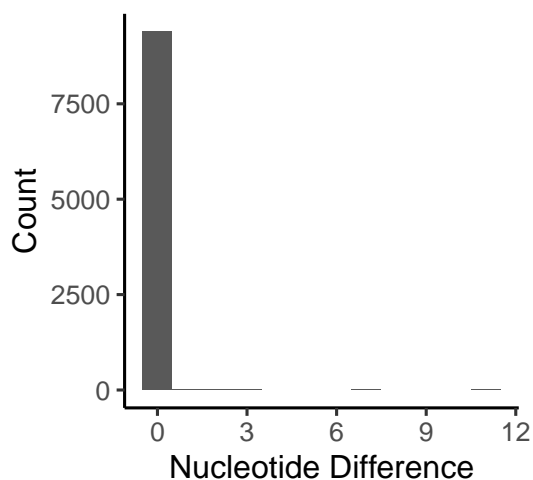
TRBV7–2*ap01

10099 sequences assigned
10085 (99.9%) exact matches, in which:
10082 unique CDR3
13 unique J



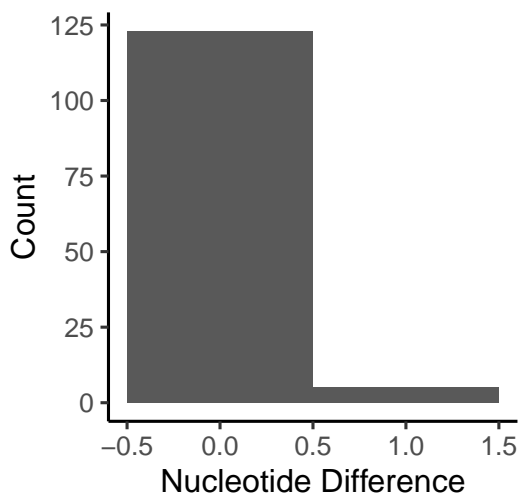
TRBV6–23*ap01

9417 sequences assigned
9389 (99.7%) exact matches, in which:
9354 unique CDR3
13 unique J



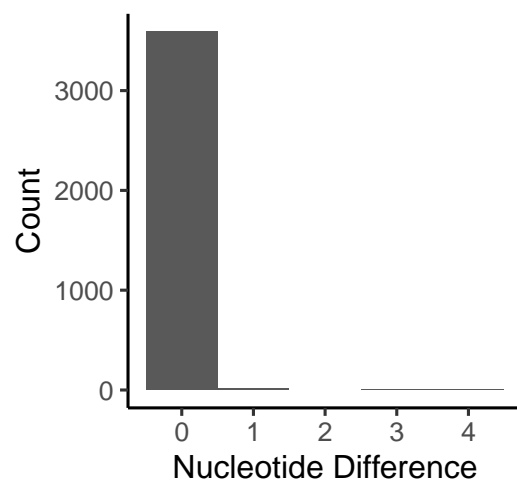
TRBV7–1*ap01_G291C_

128 sequences assigned
123 (96.1%) exact matches, in which:
123 unique CDR3
12 unique J



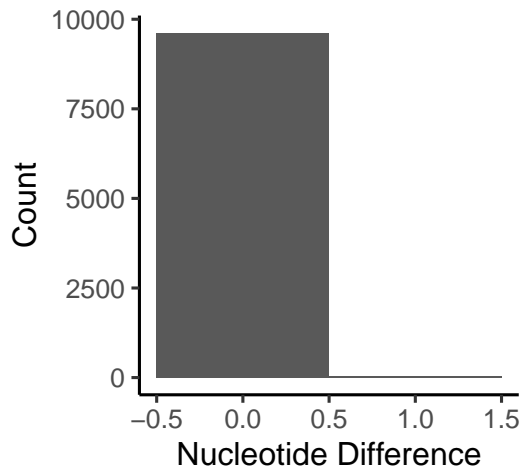
TRBV7–3*ap01

3604 sequences assigned
3590 (99.6%) exact matches, in which:
3587 unique CDR3
12 unique J



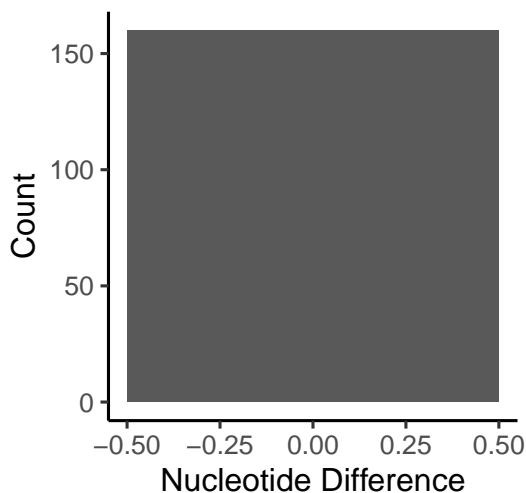
TRBV6–56*ap01

9654 sequences assigned
9622 (99.7%) exact matches, in which:
9600 unique CDR3
13 unique J



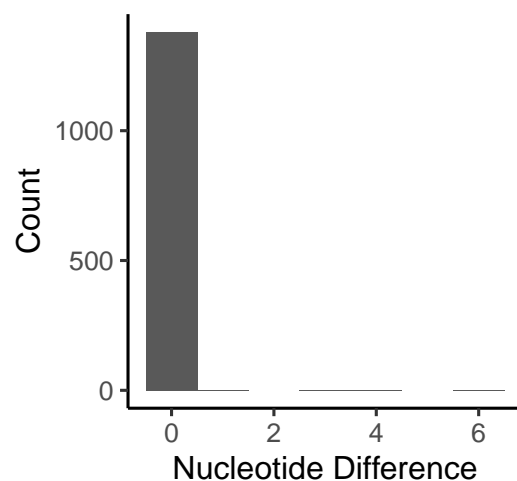
TRBV7–1*ap01_G291C_

160 sequences assigned
160 (100%) exact matches, in which:
160 unique CDR3
13 unique J



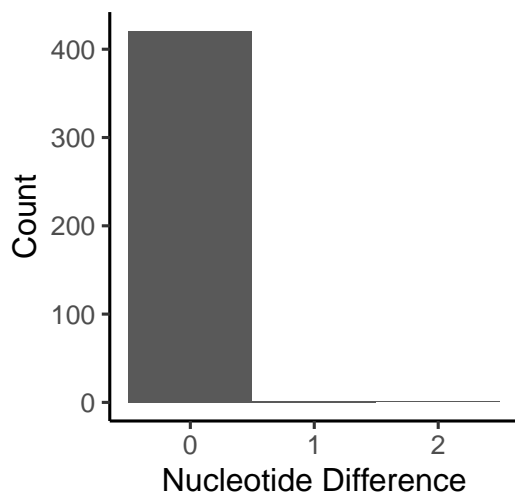
TRBV7–3*ap03

1385 sequences assigned
1380 (99.6%) exact matches, in which:
1379 unique CDR3
13 unique J



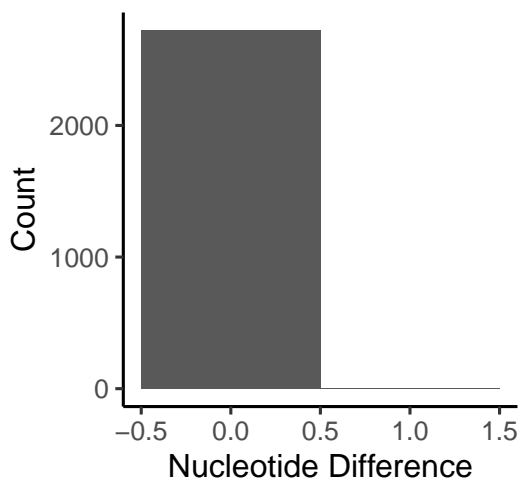
TRBV7-4*ap01

424 sequences assigned
421 (99.3%) exact matches, in which:
421 unique CDR3
13 unique J



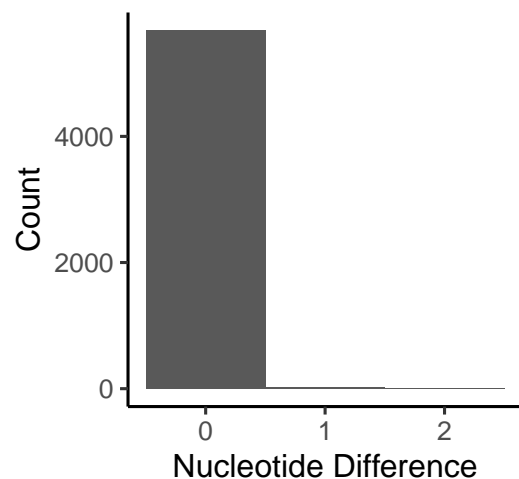
TRBV7-8*ap01

2725 sequences assigned
2722 (99.9%) exact matches, in which:
2721 unique CDR3
13 unique J



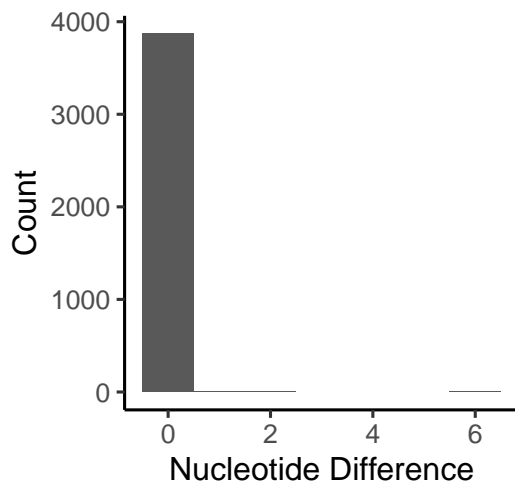
TRBV29-1*ap01

5704 sequences assigned
5680 (99.6%) exact matches, in which:
5665 unique CDR3
13 unique J



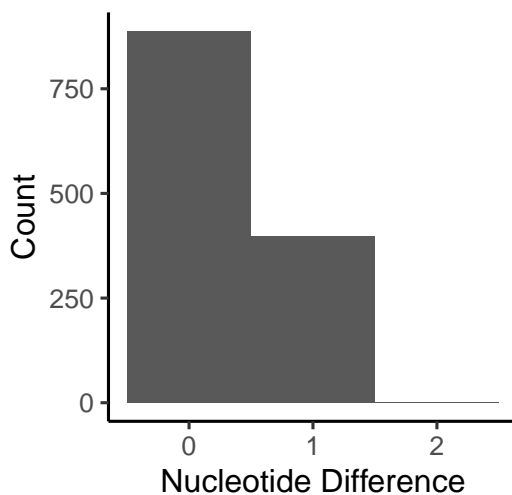
TRBV7-6*ap01

3879 sequences assigned
3870 (99.8%) exact matches, in which:
3867 unique CDR3
13 unique J



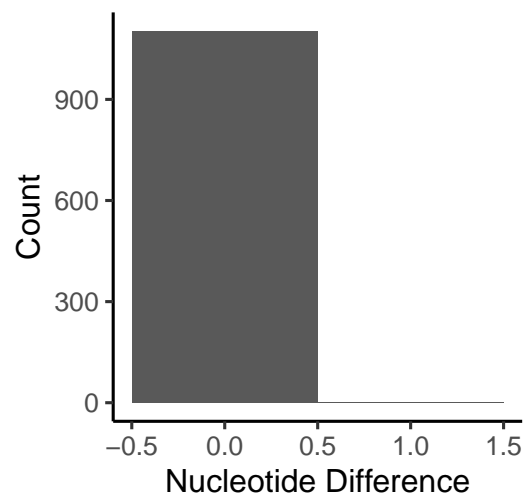
TRBV7-8*ap03

1287 sequences assigned
888 (69%) exact matches, in which:
887 unique CDR3
13 unique J



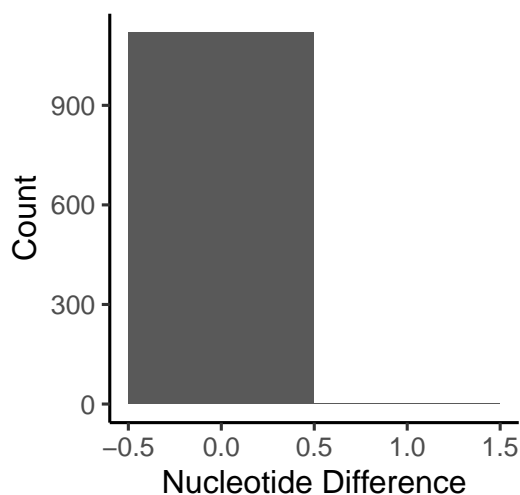
TRBV29-1*ap02

1105 sequences assigned
1103 (99.8%) exact matches, in which:
1101 unique CDR3
13 unique J



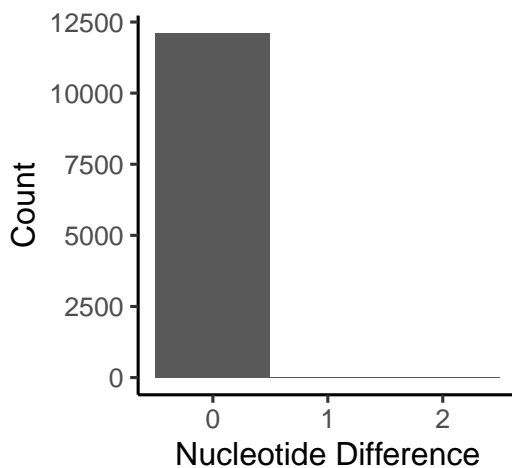
TRBV7-7*ap01

1121 sequences assigned
1120 (99.9%) exact matches, in which:
1117 unique CDR3
13 unique J

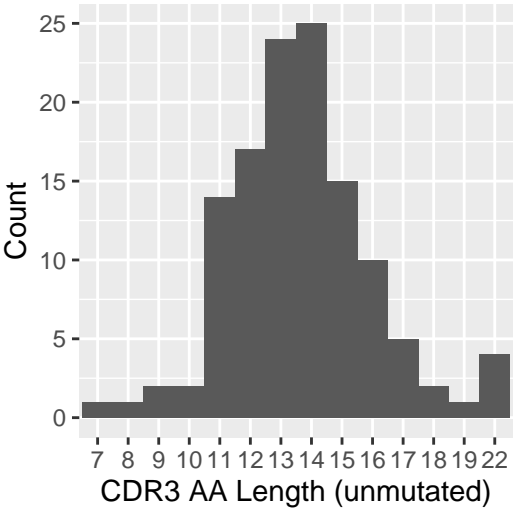


TRBV7-9*ap01

12134 sequences assigned
12121 (99.9%) exact matches, in which:
12115 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T

