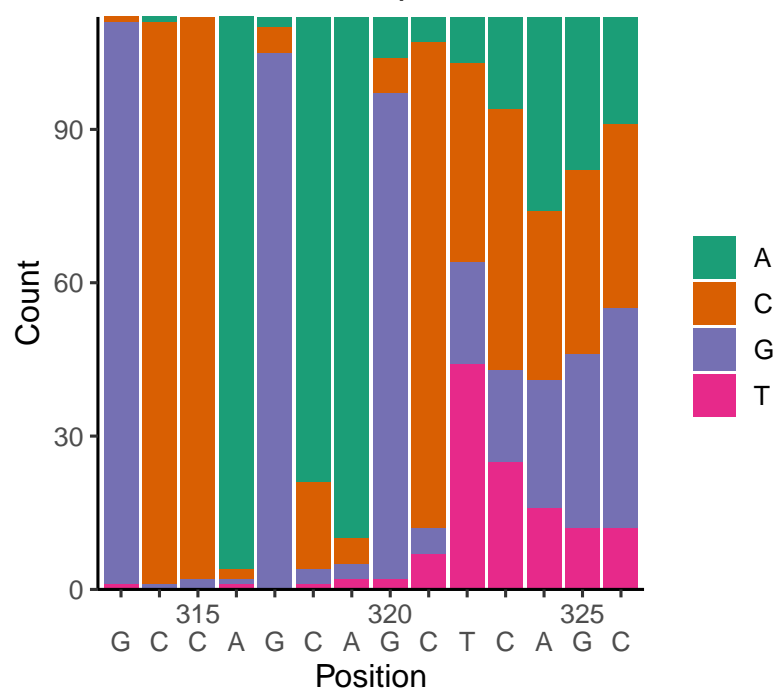


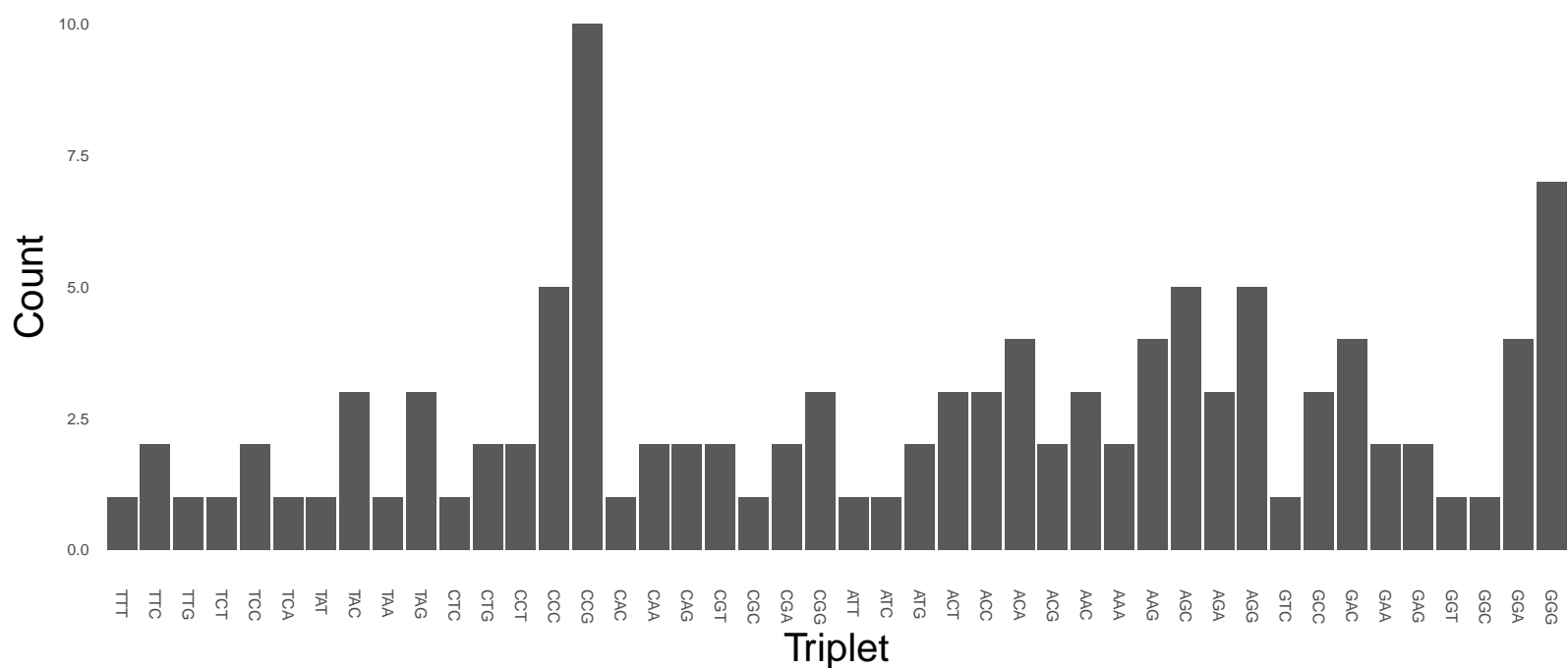
Gene TRBV7-1*ap01_T296C



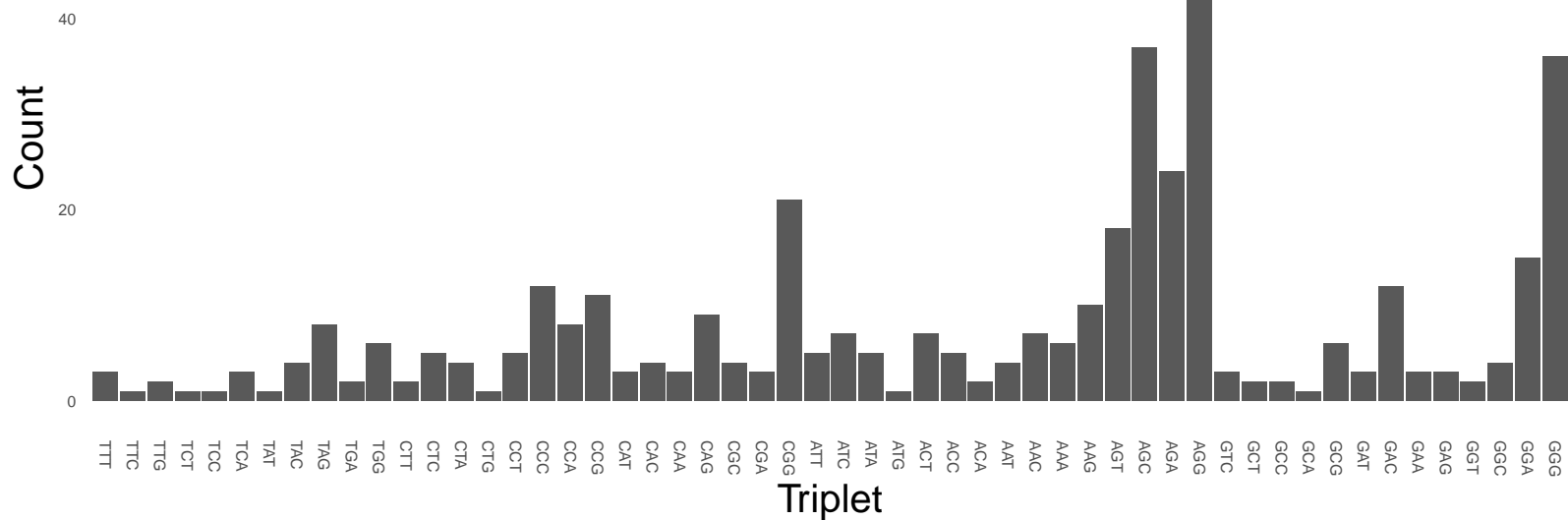
Gene TRBV7-1*ap01_T296C



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

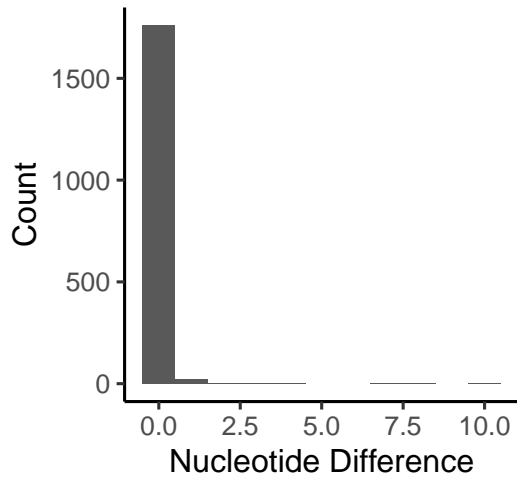


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



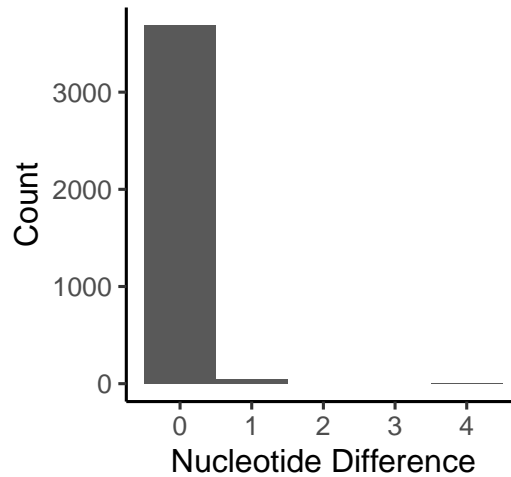
TRBV10-1*ap01

1791 sequences assigned
1760 (98.3%) exact matches, in which:
1711 unique CDR3
13 unique J



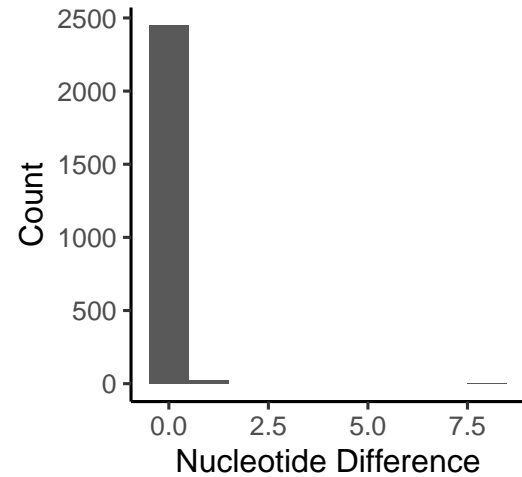
TRBV10-3*ap01

3737 sequences assigned
3687 (98.7%) exact matches, in which:
3596 unique CDR3
13 unique J



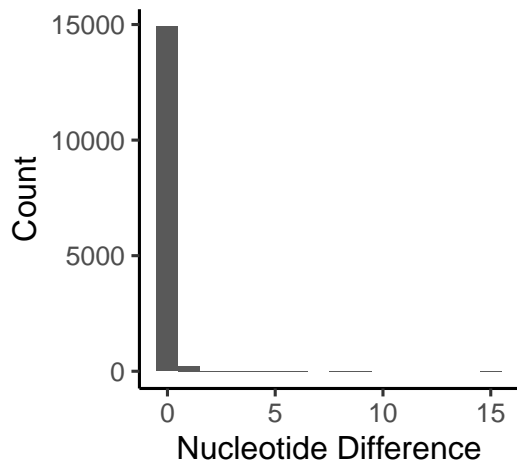
TRBV14*ap01

2475 sequences assigned
2449 (98.9%) exact matches, in which:
2403 unique CDR3
13 unique J



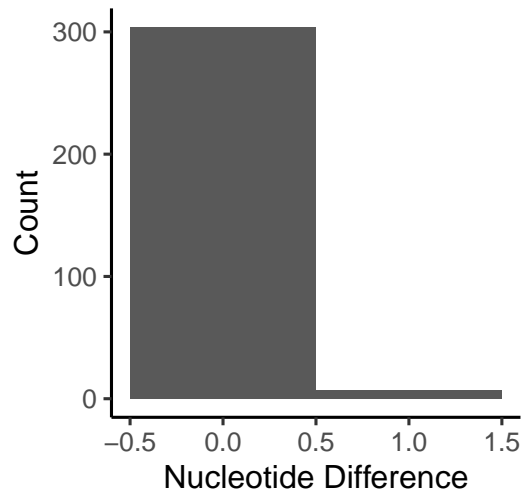
TRBV20-1*ap01

15185 sequences assigned
14916 (98.2%) exact matches, in which:
14600 unique CDR3
13 unique J



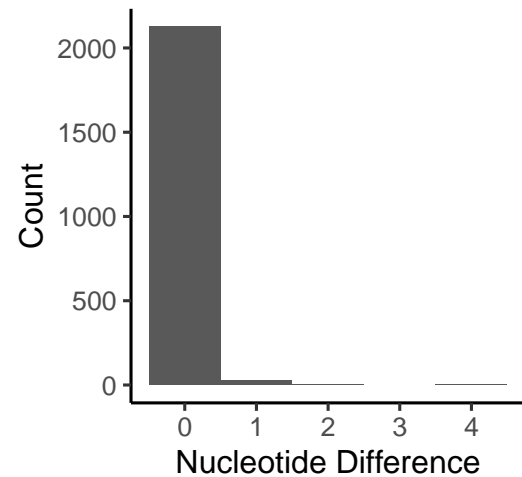
TRBV1*ap01

311 sequences assigned
304 (97.7%) exact matches, in which:
298 unique CDR3
13 unique J



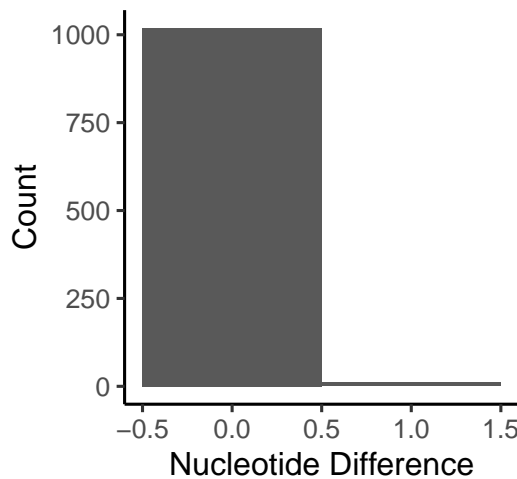
TRBV15*ap02

2153 sequences assigned
2126 (98.7%) exact matches, in which:
2088 unique CDR3
13 unique J



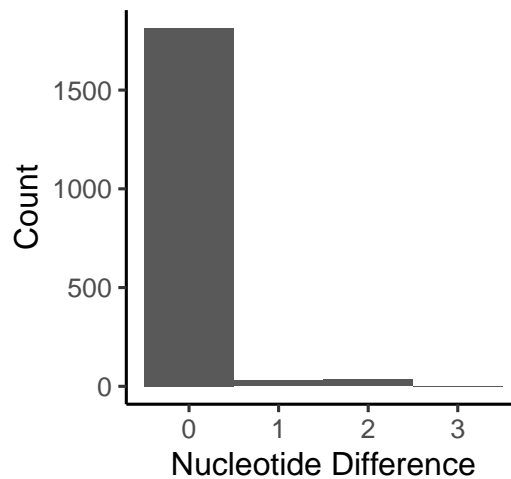
TRBV10-2*ap01

1030 sequences assigned
1019 (98.9%) exact matches, in which:
999 unique CDR3
13 unique J



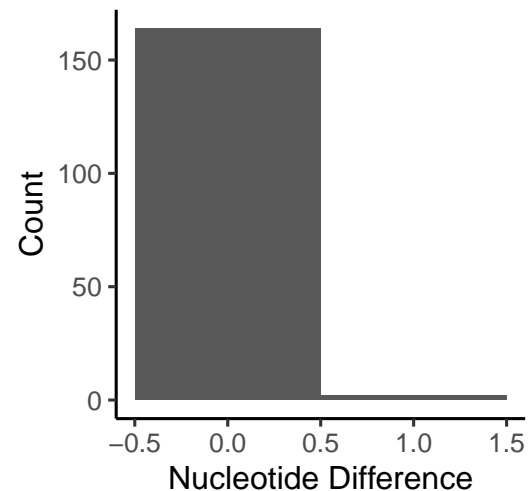
TRBV13*ap01

1880 sequences assigned
1814 (96.5%) exact matches, in which:
1757 unique CDR3
13 unique J



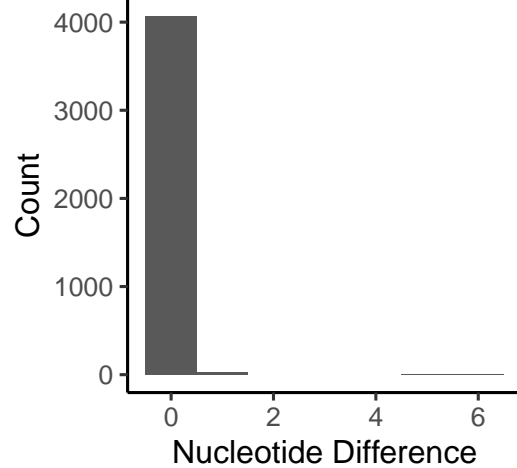
TRBV16*ap01

166 sequences assigned
164 (98.8%) exact matches, in which:
161 unique CDR3
13 unique J



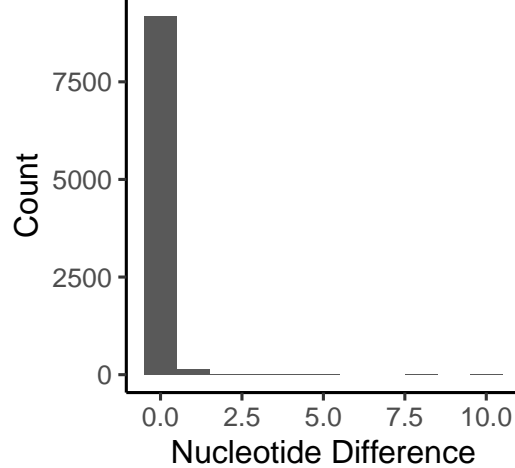
TRBV18*ap01

4090 sequences assigned
4065 (99.4%) exact matches, in which:
4011 unique CDR3
13 unique J



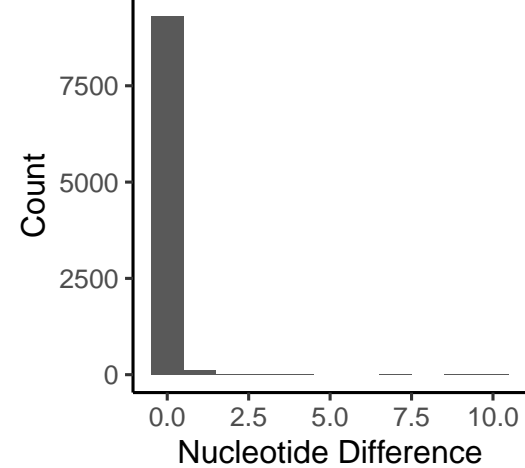
TRBV27*ap01

9322 sequences assigned
9175 (98.4%) exact matches, in which:
8913 unique CDR3
13 unique J



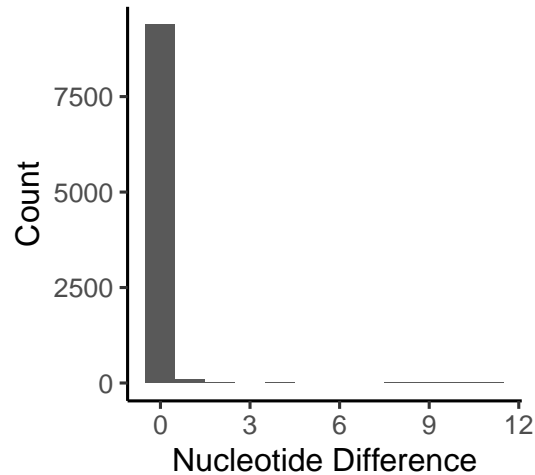
TRBV9*ap01

9428 sequences assigned
9301 (98.7%) exact matches, in which:
9126 unique CDR3
13 unique J



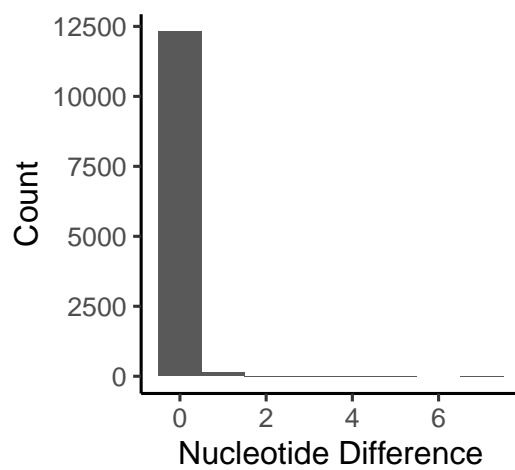
TRBV19*ap01

9486 sequences assigned
9382 (98.9%) exact matches, in which:
9249 unique CDR3
13 unique J



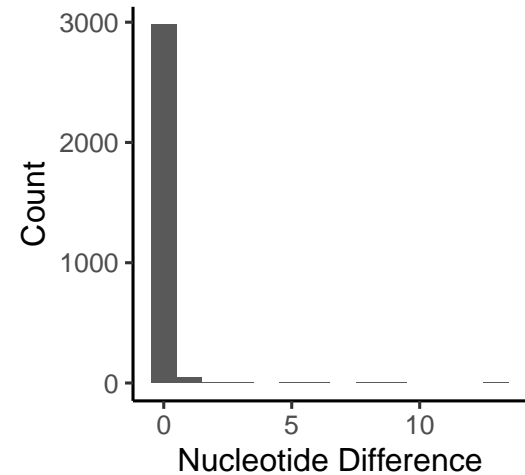
TRBV28*ap01

12455 sequences assigned
12318 (98.9%) exact matches, in which:
12091 unique CDR3
13 unique J



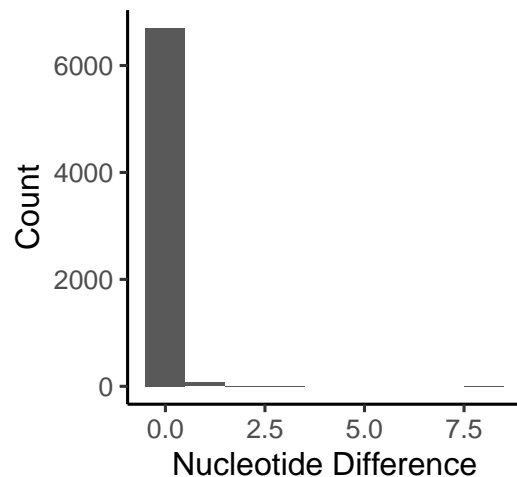
TRBV21-1*ap01

3049 sequences assigned
2979 (97.7%) exact matches, in which:
2930 unique CDR3
13 unique J



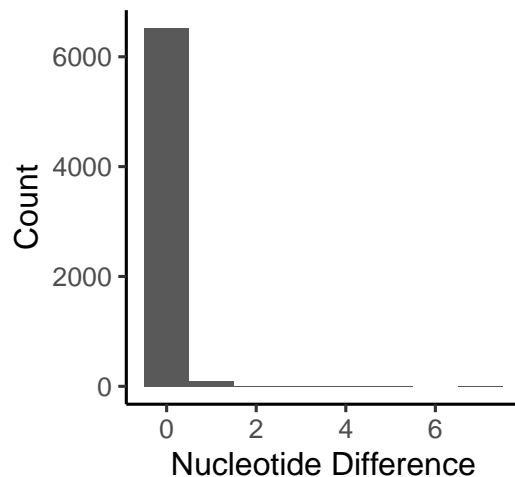
TRBV2*ap01

6776 sequences assigned
6701 (98.9%) exact matches, in which:
6528 unique CDR3
13 unique J



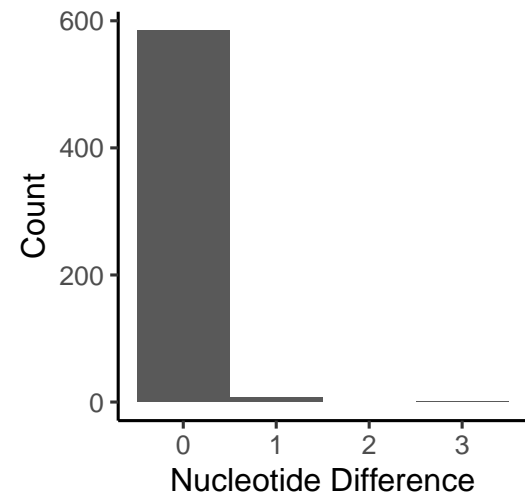
TRBV30*ap01

6635 sequences assigned
6523 (98.3%) exact matches, in which:
6433 unique CDR3
13 unique J



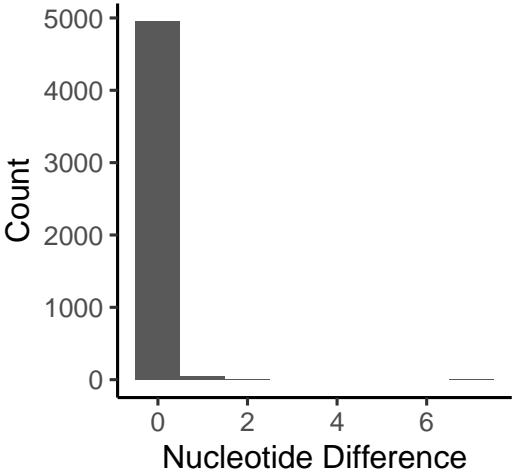
TRBV11-1*ap01

593 sequences assigned
585 (98.7%) exact matches, in which:
570 unique CDR3
13 unique J



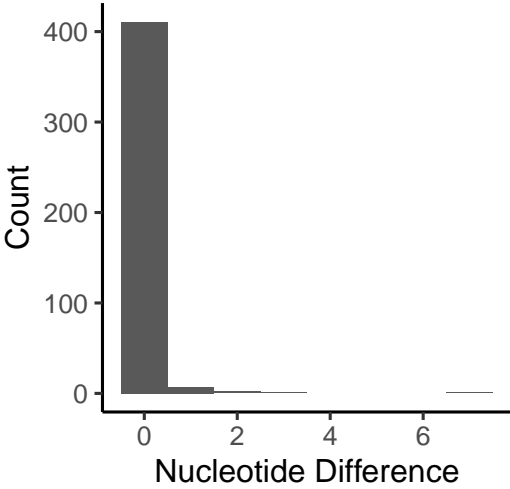
TRBV11-2*ap01

5012 sequences assigned
4952 (98.8%) exact matches, in which:
4824 unique CDR3
13 unique J



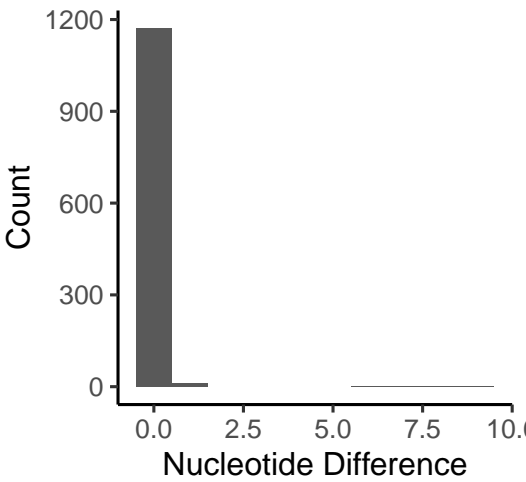
TRBV12-2*ap01

422 sequences assigned
411 (97.4%) exact matches, in which:
406 unique CDR3
13 unique J



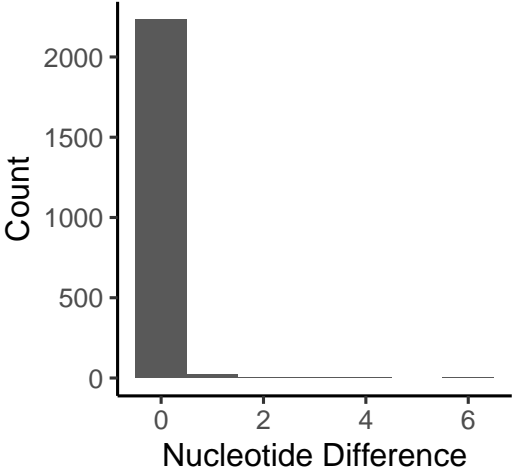
TRBV23-1*ap01

1188 sequences assigned
1171 (98.6%) exact matches, in which:
1147 unique CDR3
13 unique J



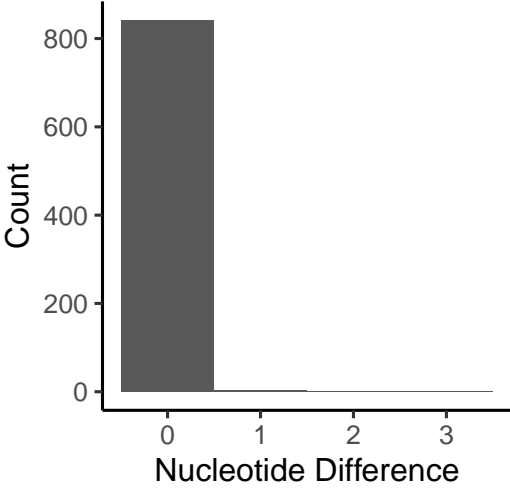
TRBV11-3*ap01

2264 sequences assigned
2232 (98.6%) exact matches, in which:
2193 unique CDR3
13 unique J



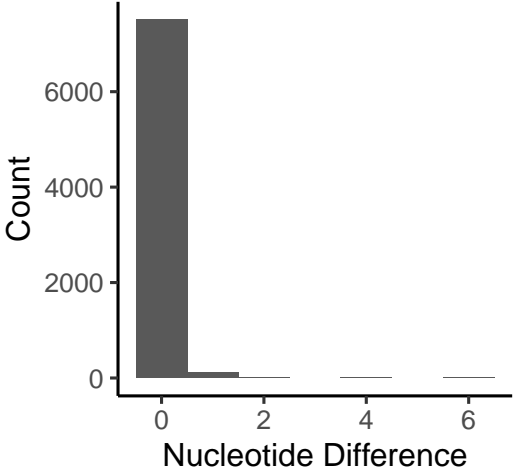
TRBV12-5*ap01

849 sequences assigned
842 (99.2%) exact matches, in which:
829 unique CDR3
13 unique J



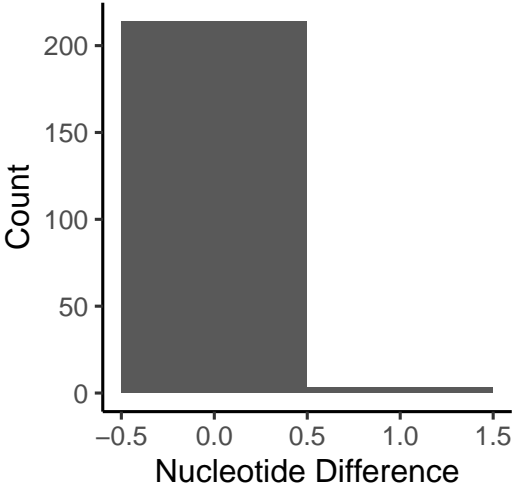
TRBV3-12*ap01

7636 sequences assigned
7508 (98.3%) exact matches, in which:
7346 unique CDR3
13 unique J



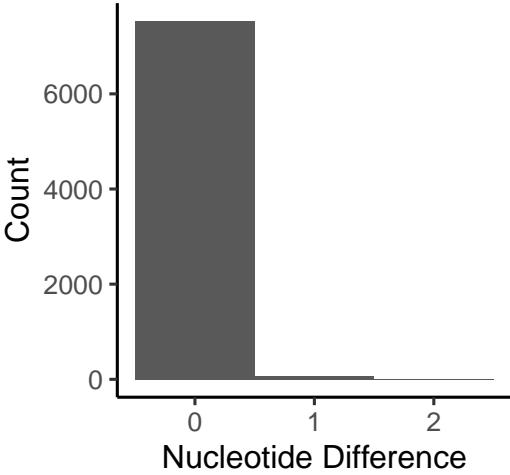
TRBV12-1*ap01

217 sequences assigned
214 (98.6%) exact matches, in which:
207 unique CDR3
13 unique J



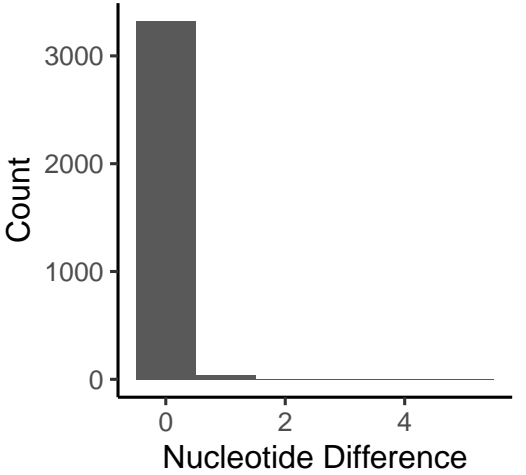
TRBV12-34*ap01

7607 sequences assigned
7530 (99%) exact matches, in which:
7361 unique CDR3
13 unique J



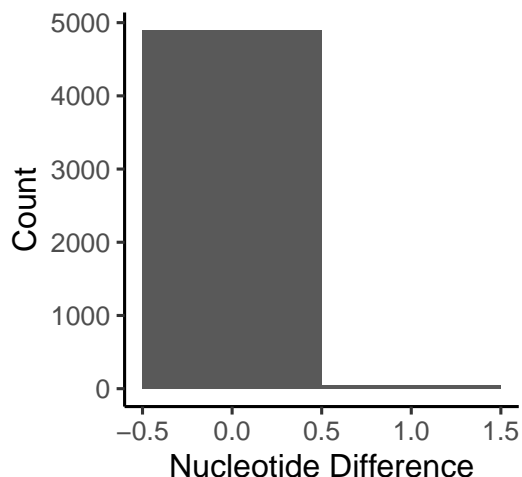
TRBV24-1*ap01

3371 sequences assigned
3323 (98.6%) exact matches, in which:
3273 unique CDR3
13 unique J



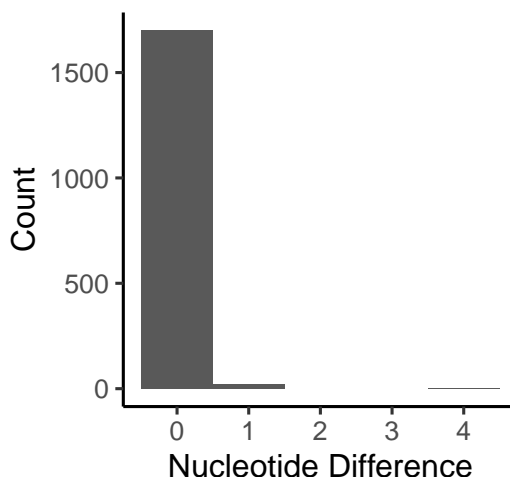
TRBV4-1*ap01

4938 sequences assigned
4894 (99.1%) exact matches, in which:
4801 unique CDR3
13 unique J



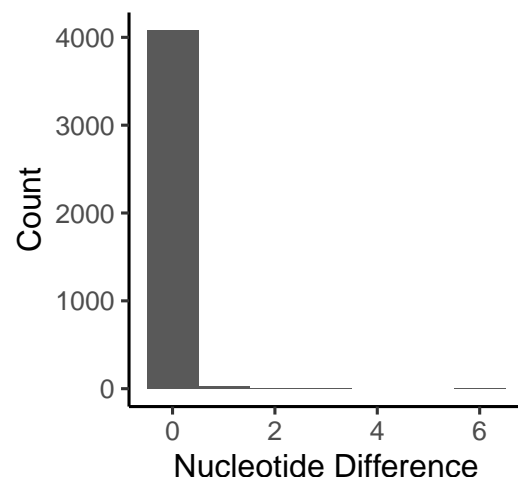
TRBV25-1*ap01

1721 sequences assigned
1700 (98.8%) exact matches, in which:
1670 unique CDR3
13 unique J



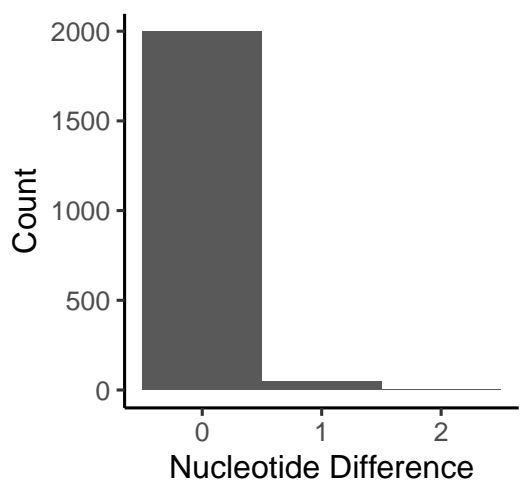
TRBV5-4*ap01

4117 sequences assigned
4079 (99.1%) exact matches, in which:
3990 unique CDR3
13 unique J



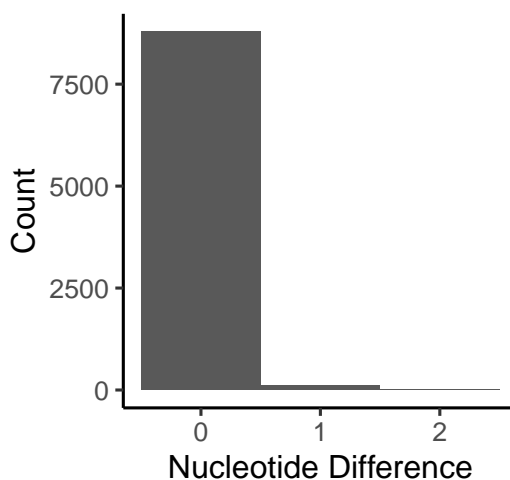
TRBV4-2*ap01

2043 sequences assigned
1997 (97.7%) exact matches, in which:
1954 unique CDR3
13 unique J



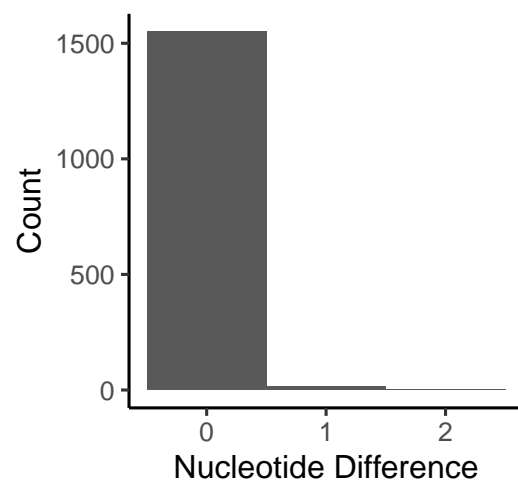
TRBV5-1*ap01

8901 sequences assigned
8786 (98.7%) exact matches, in which:
8549 unique CDR3
13 unique J



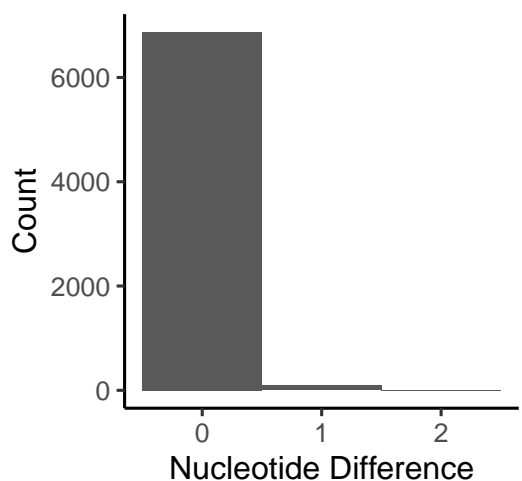
TRBV5-5*ap01

1570 sequences assigned
1550 (98.7%) exact matches, in which:
1526 unique CDR3
13 unique J



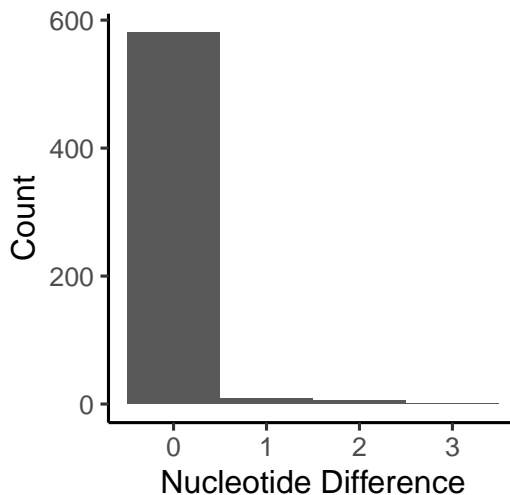
TRBV4-3*ap01

6966 sequences assigned
6871 (98.6%) exact matches, in which:
6737 unique CDR3
13 unique J



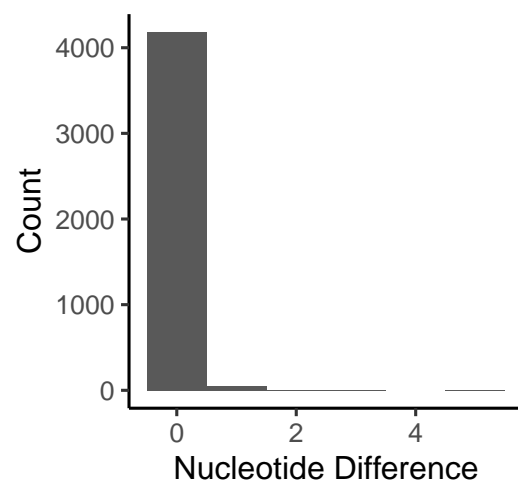
TRBV5-3*ap01

595 sequences assigned
581 (97.6%) exact matches, in which:
572 unique CDR3
13 unique J



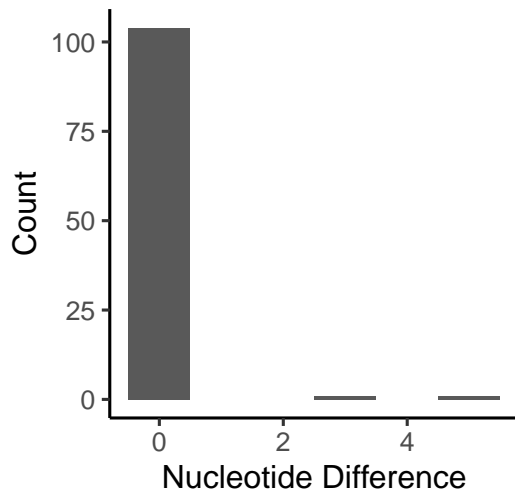
TRBV5-6*ap01

4239 sequences assigned
4183 (98.7%) exact matches, in which:
4080 unique CDR3
13 unique J



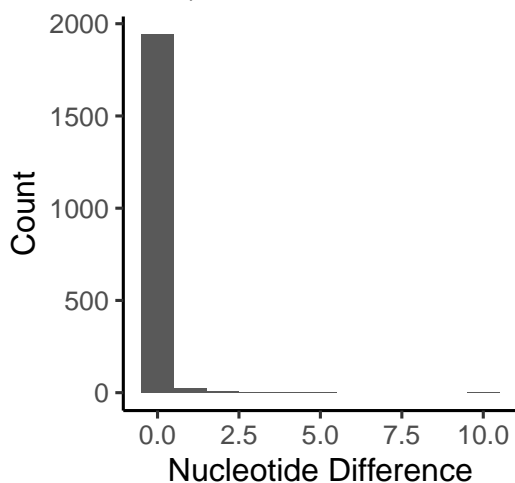
TRBV5-7*ap01

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



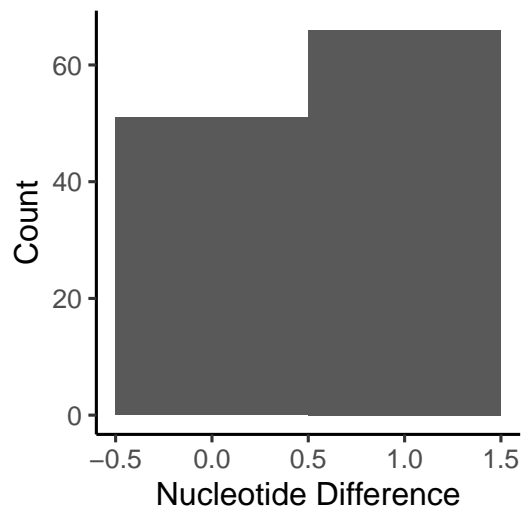
TRBV6-4*ap01

1979 sequences assigned
1942 (98.1%) exact matches, in which:
1918 unique CDR3
13 unique J



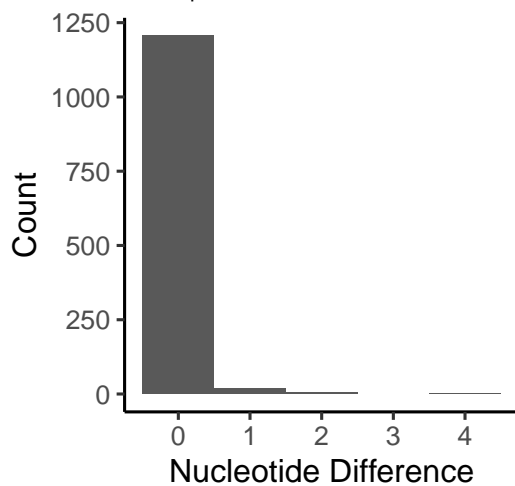
TRBV6-9*ap01

117 sequences assigned
51 (43.6%) exact matches, in which:
51 unique CDR3
13 unique J



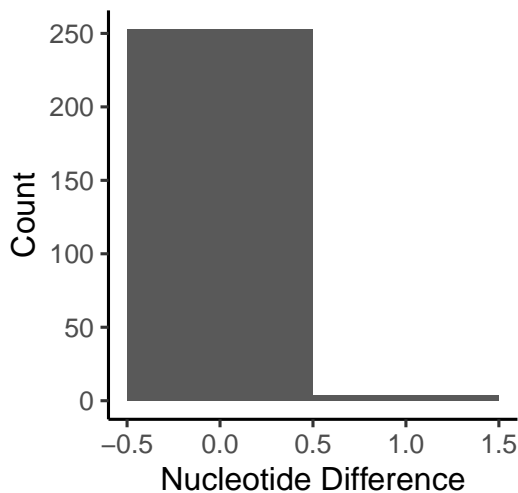
TRBV5-8*ap01

1231 sequences assigned
1206 (98%) exact matches, in which:
1178 unique CDR3
13 unique J



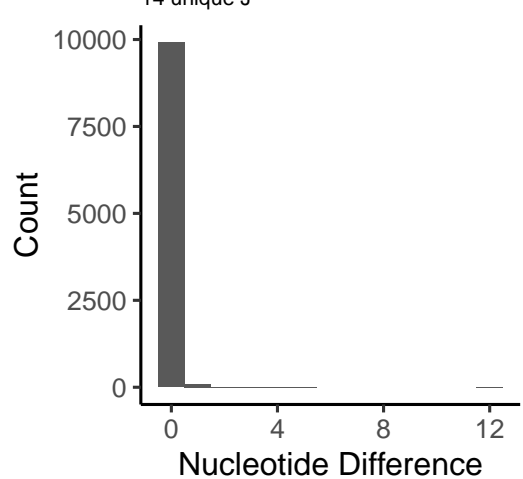
TRBV6-7*ap01

257 sequences assigned
253 (98.4%) exact matches, in which:
246 unique CDR3
13 unique J



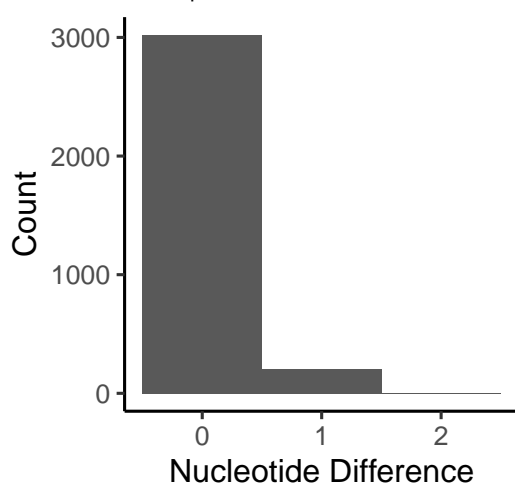
TRBV6-23*ap01

10016 sequences assigned
9915 (99%) exact matches, in which:
9675 unique CDR3
14 unique J



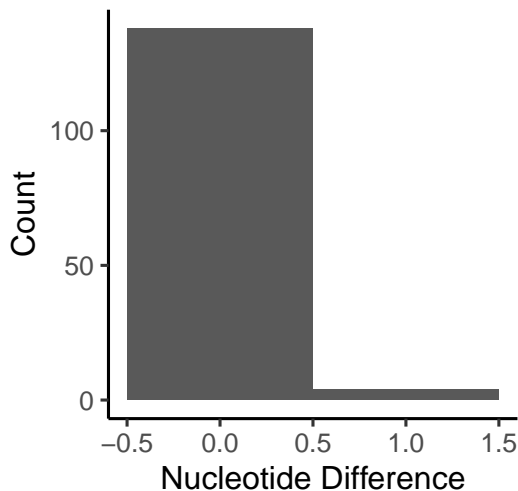
TRBV6-1*ap01

3225 sequences assigned
3020 (93.6%) exact matches, in which:
2949 unique CDR3
13 unique J



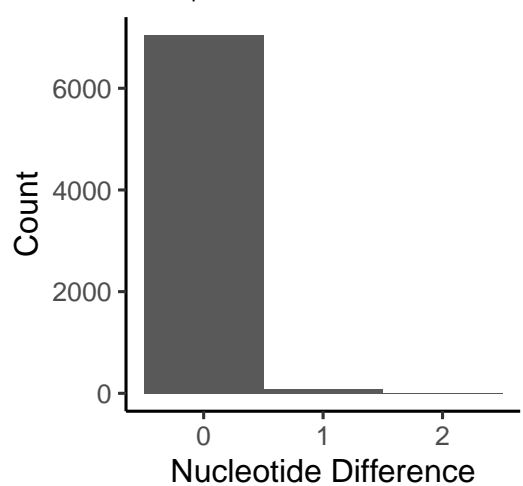
TRBV6-8*ap01

142 sequences assigned
138 (97.2%) exact matches, in which:
131 unique CDR3
12 unique J



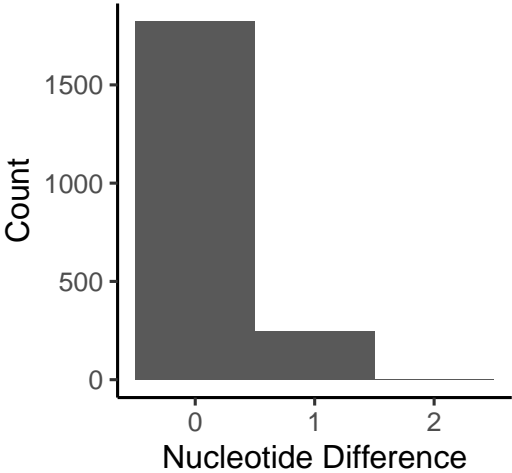
TRBV6-56*ap01

7135 sequences assigned
7047 (98.8%) exact matches, in which:
6886 unique CDR3
13 unique J



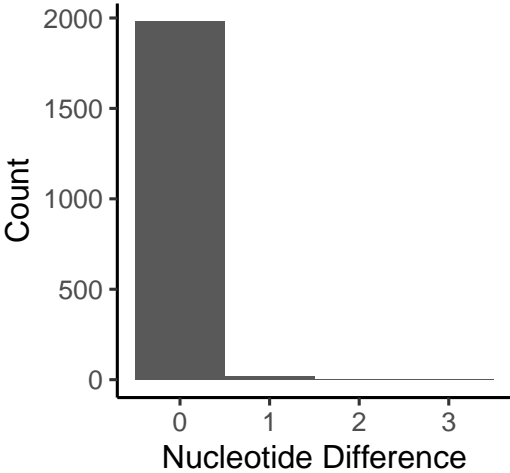
TRBV6-56*ap02

2077 sequences assigned
1823 (87.8%) exact matches, in which:
1766 unique CDR3
13 unique J



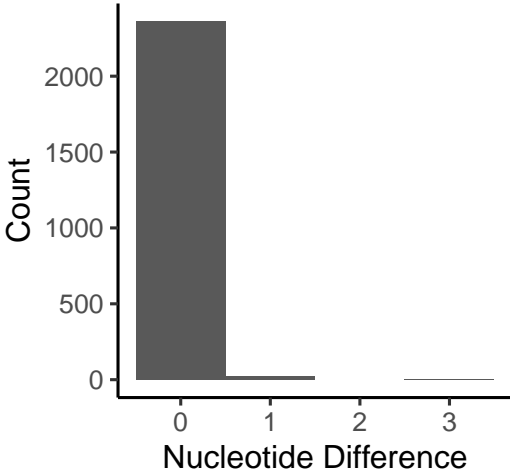
TRBV7-3*ap01

2001 sequences assigned
1981 (99%) exact matches, in which:
1945 unique CDR3
13 unique J



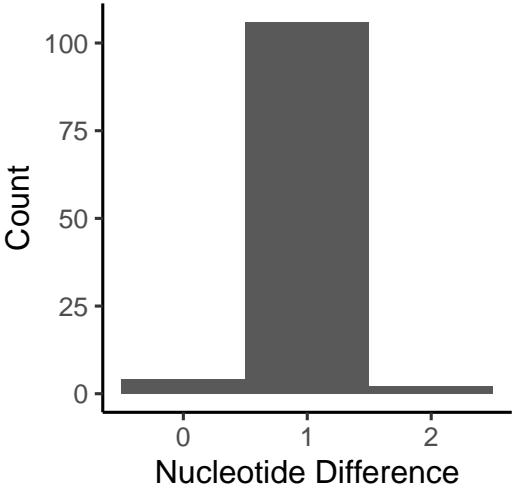
TRBV7-6*ap01

2382 sequences assigned
2361 (99.1%) exact matches, in which:
2306 unique CDR3
13 unique J



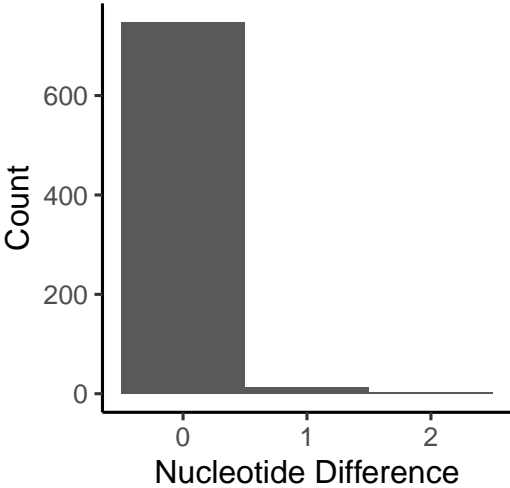
TRBV7-1*ap01_T296C

112 sequences assigned
4 (3.6%) exact matches, in which:
4 unique CDR3
4 unique J



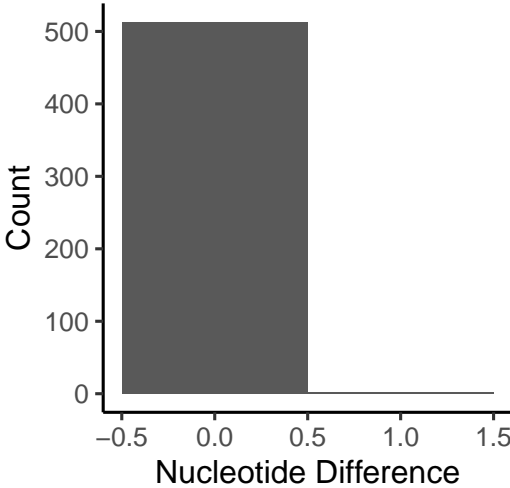
TRBV7-3*ap02

764 sequences assigned
748 (97.9%) exact matches, in which:
736 unique CDR3
13 unique J



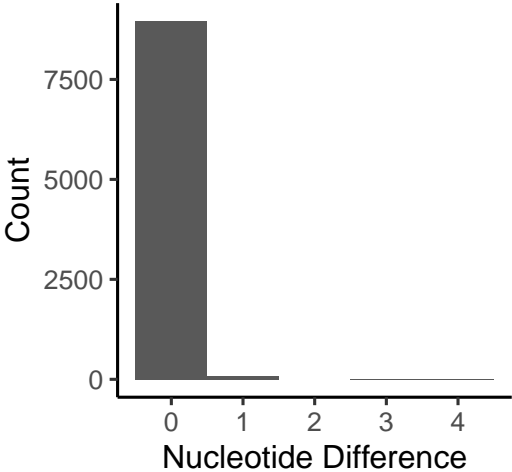
TRBV7-7*ap01

515 sequences assigned
513 (99.6%) exact matches, in which:
501 unique CDR3
13 unique J



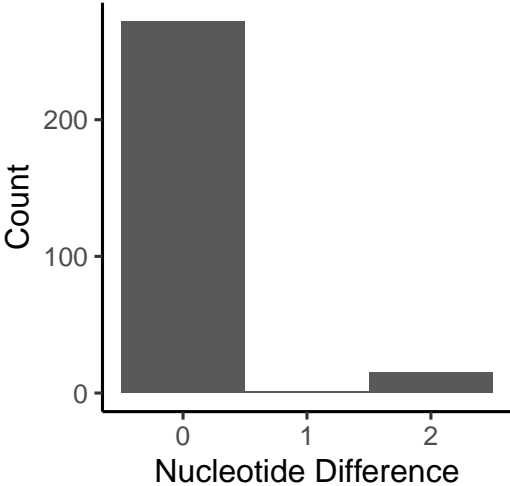
TRBV7-2*ap01

9045 sequences assigned
8960 (99.1%) exact matches, in which:
8780 unique CDR3
13 unique J



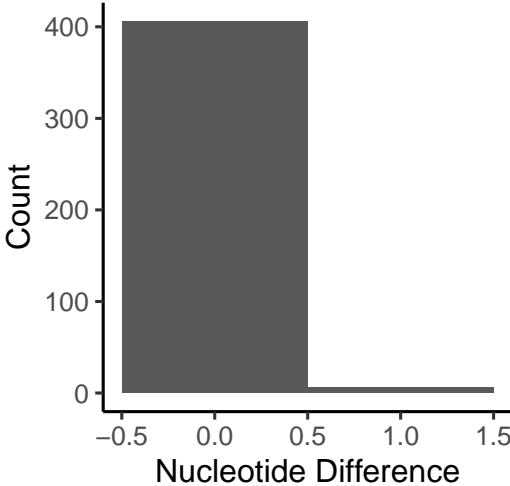
TRBV7-4*ap01

288 sequences assigned
272 (94.4%) exact matches, in which:
269 unique CDR3
13 unique J



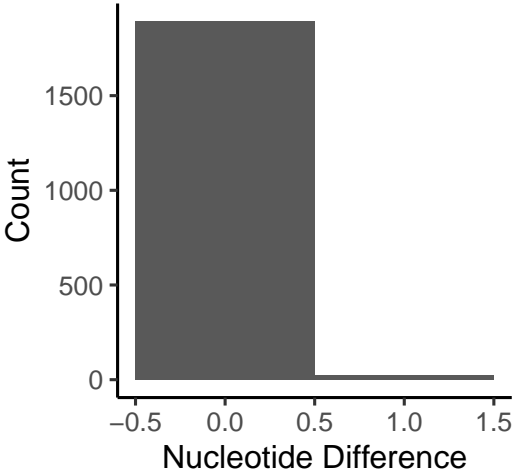
TRBV7-7*ap01_C315T

412 sequences assigned
406 (98.5%) exact matches, in which:
397 unique CDR3
13 unique J



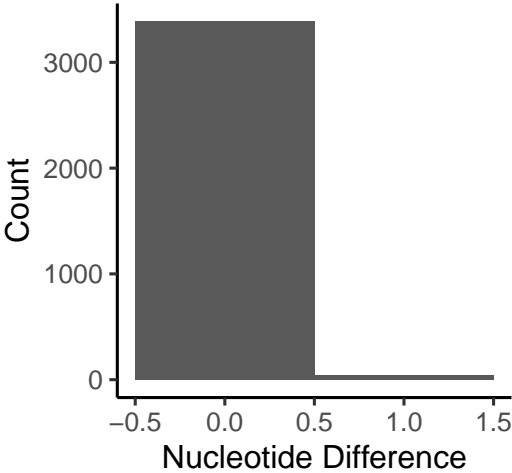
TRBV7-8*ap01

1917 sequences assigned
1892 (98.7%) exact matches, in which:
1844 unique CDR3
13 unique J



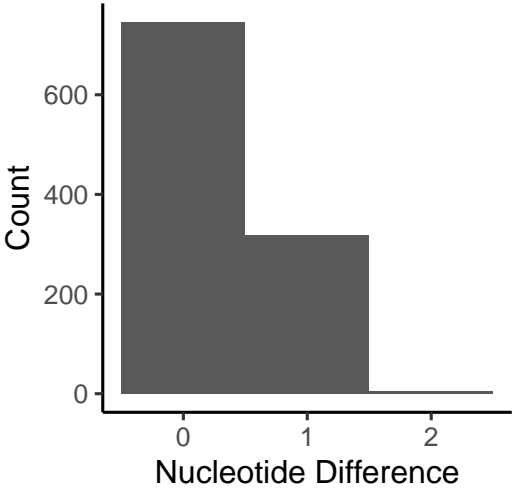
TRBV29-1*ap01

3432 sequences assigned
3387 (98.7%) exact matches, in which:
3298 unique CDR3
13 unique J



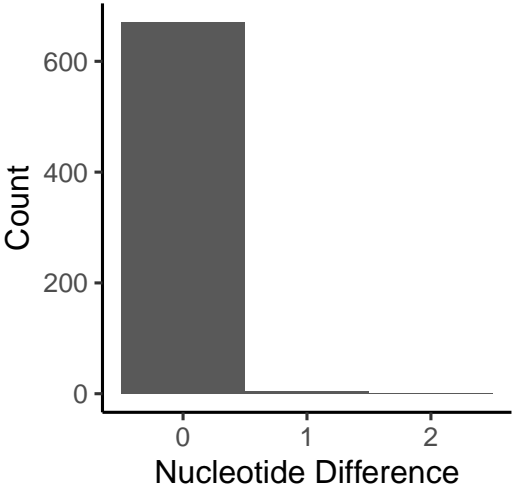
TRBV7-8*ap03

1069 sequences assigned
746 (69.8%) exact matches, in which:
733 unique CDR3
13 unique J



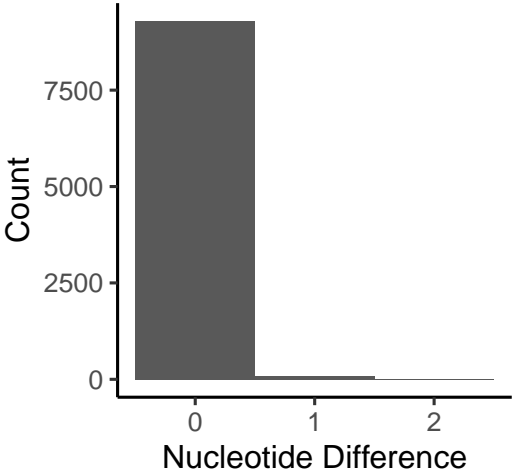
TRBV29-1*ap02

677 sequences assigned
671 (99.1%) exact matches, in which:
664 unique CDR3
13 unique J

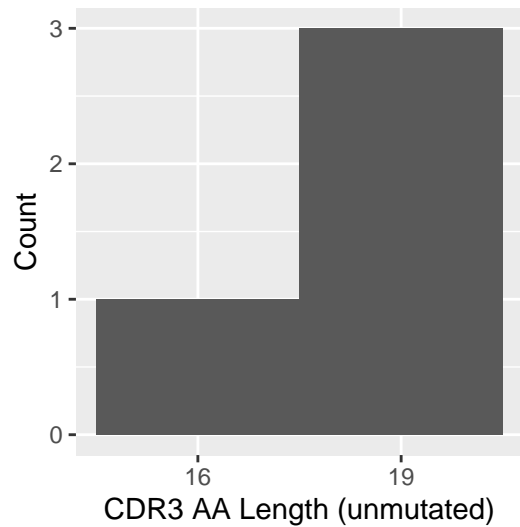


TRBV7-9*ap01

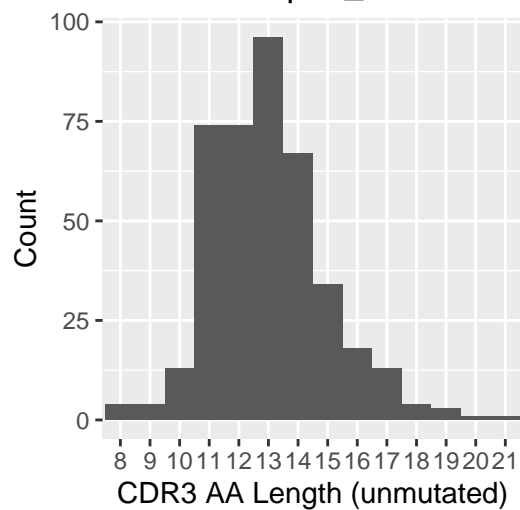
9382 sequences assigned
9292 (99%) exact matches, in which:
9106 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]