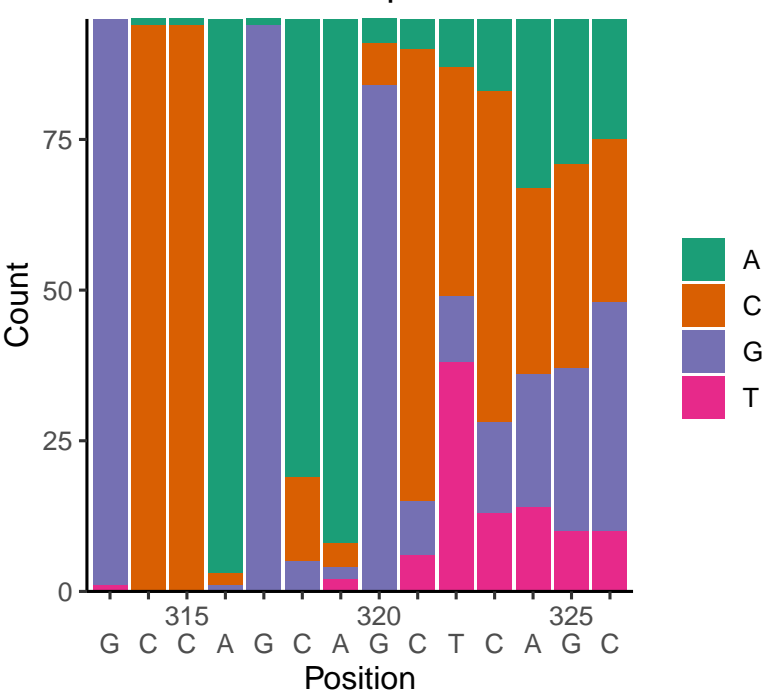
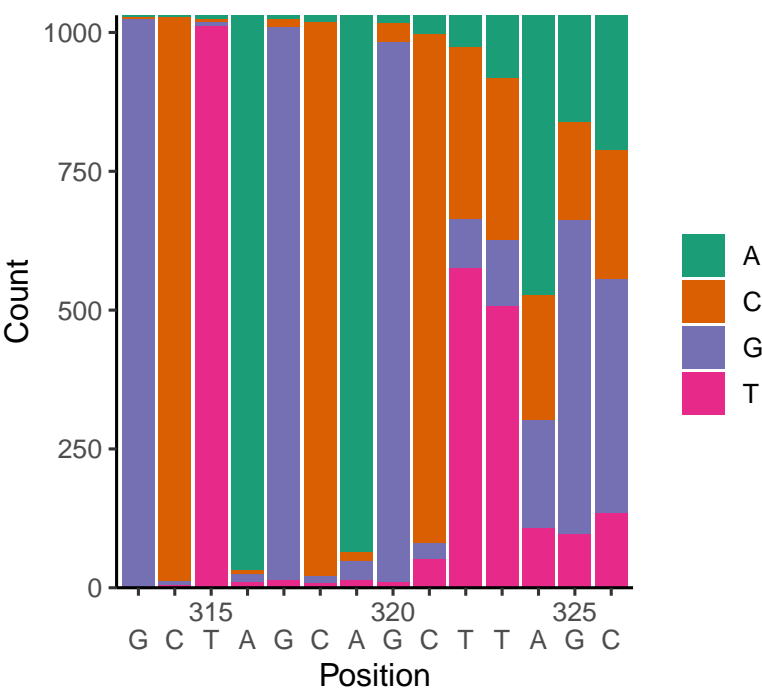


Gene TRBV7-1*ap01_T296C

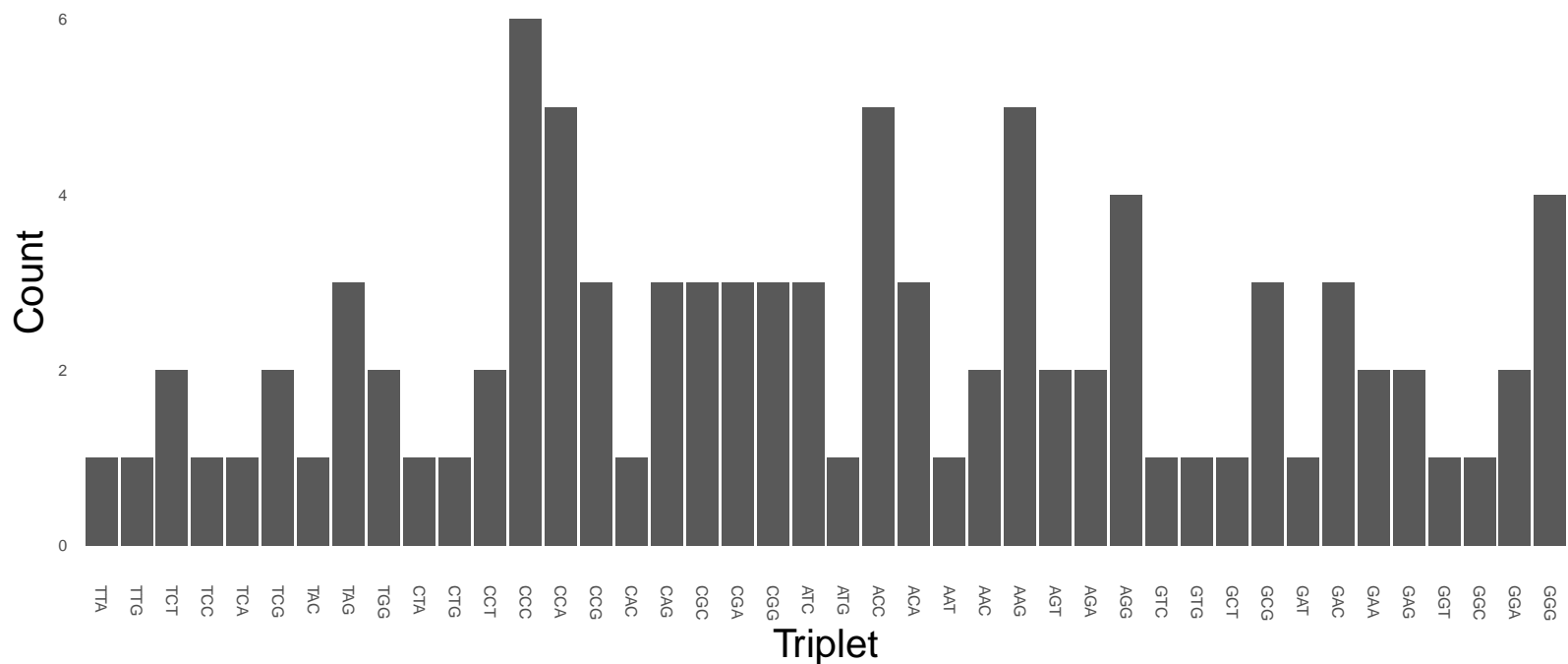


Gene TRBV7-7*ap01_C315T

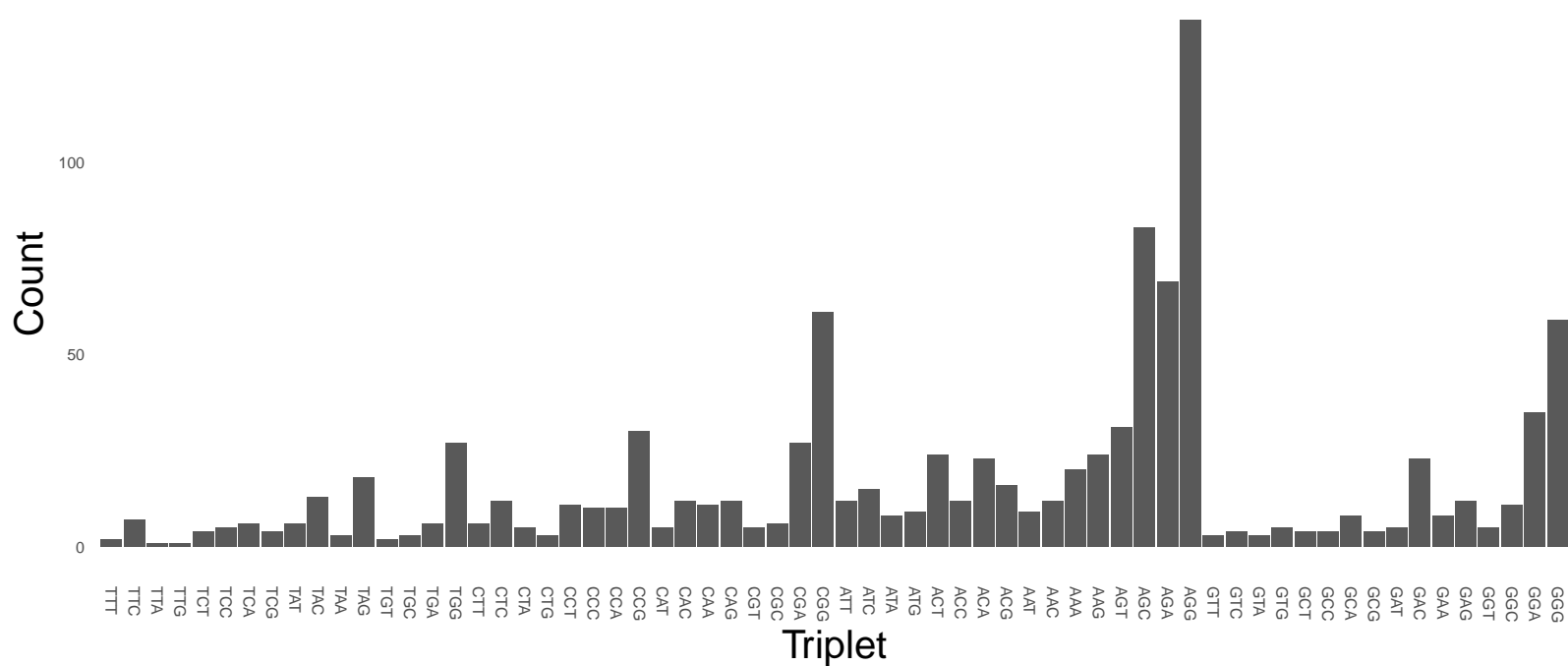




TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

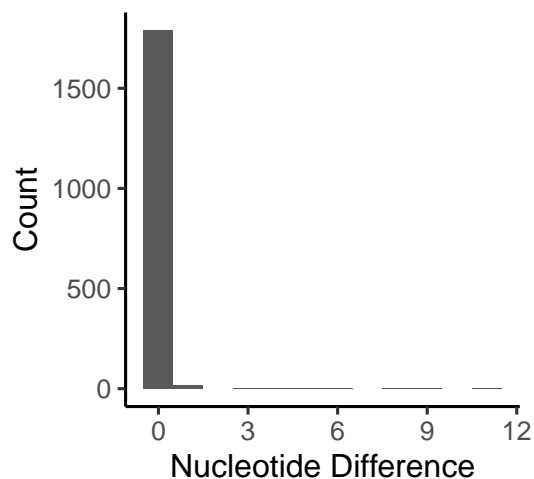


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



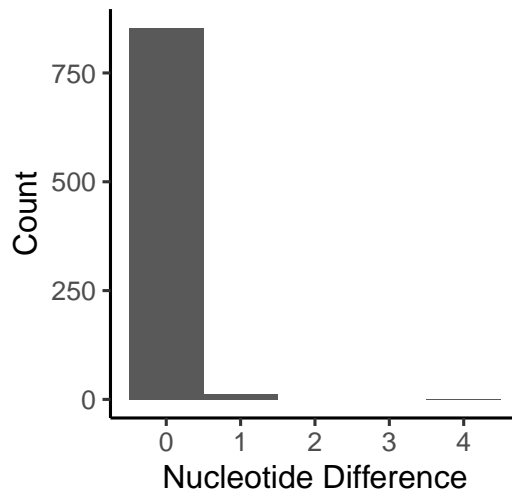
TRBV10-1*ap01

1815 sequences assigned
1789 (98.6%) exact matches, in which:
1751 unique CDR3
13 unique J



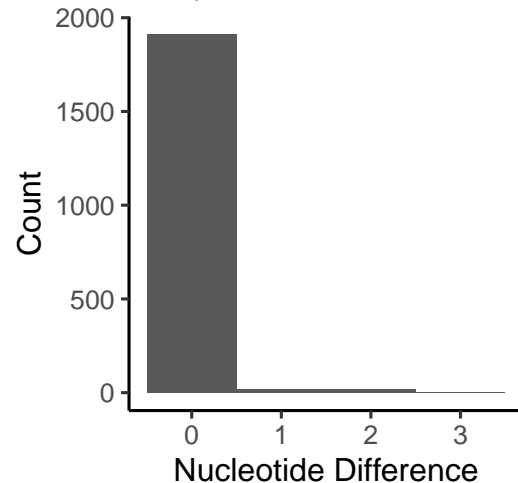
TRBV10-2*ap01

867 sequences assigned
854 (98.5%) exact matches, in which:
836 unique CDR3
13 unique J



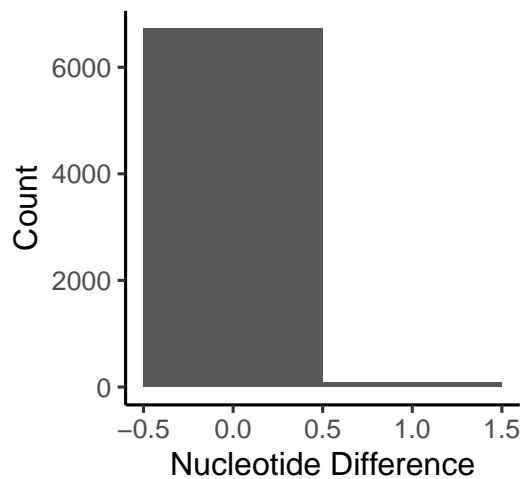
TRBV13*ap01

1951 sequences assigned
1911 (97.9%) exact matches, in which:
1854 unique CDR3
13 unique J



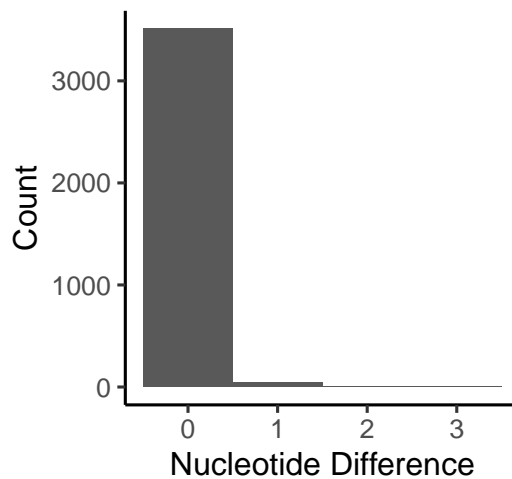
TRBV20-1*ap01

6803 sequences assigned
6723 (98.8%) exact matches, in which:
6611 unique CDR3
13 unique J



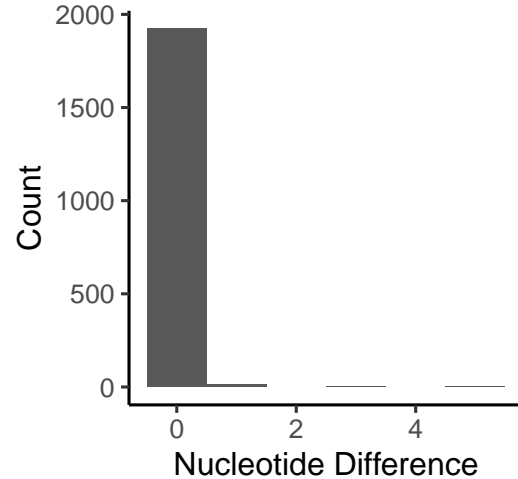
TRBV10-3*ap01

3553 sequences assigned
3511 (98.8%) exact matches, in which:
3433 unique CDR3
13 unique J



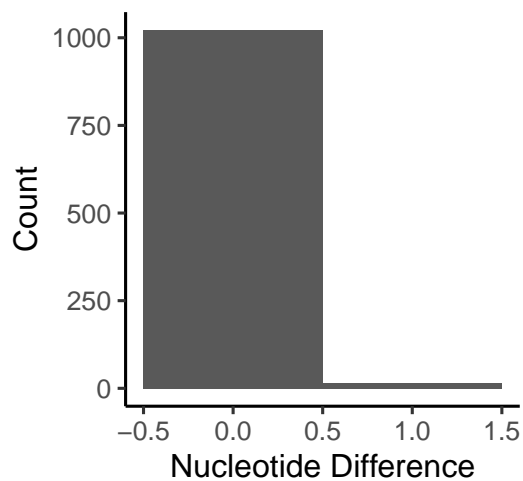
TRBV14*ap01

1943 sequences assigned
1923 (99%) exact matches, in which:
1893 unique CDR3
13 unique J



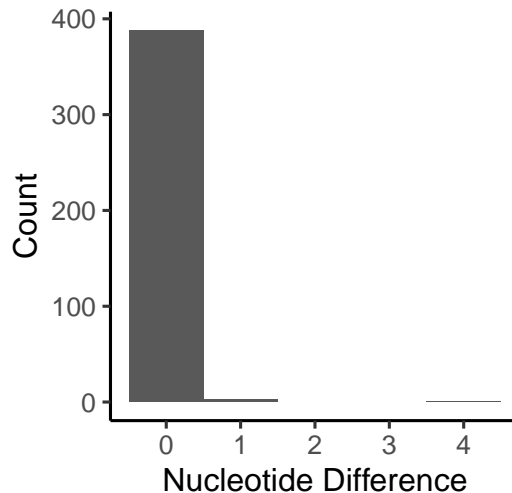
TRBV20-1*ap02

1038 sequences assigned
1022 (98.5%) exact matches, in which:
1007 unique CDR3
13 unique J



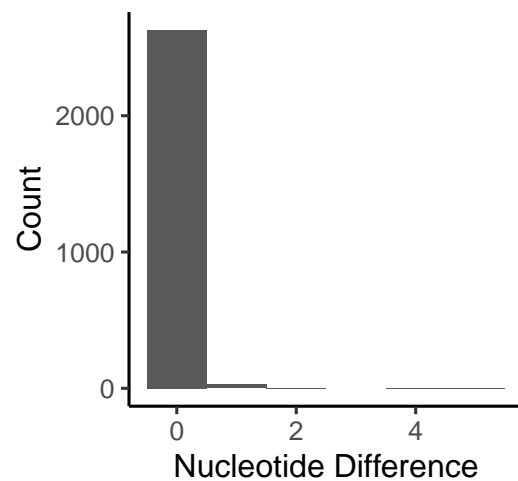
TRBV1*ap01

392 sequences assigned
388 (99%) exact matches, in which:
386 unique CDR3
13 unique J



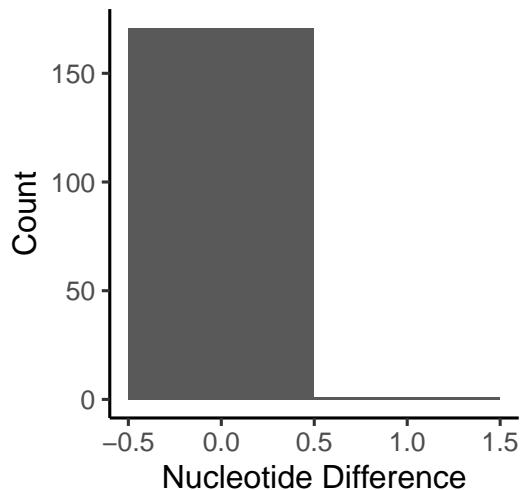
TRBV15*ap02

2660 sequences assigned
2629 (98.8%) exact matches, in which:
2582 unique CDR3
13 unique J



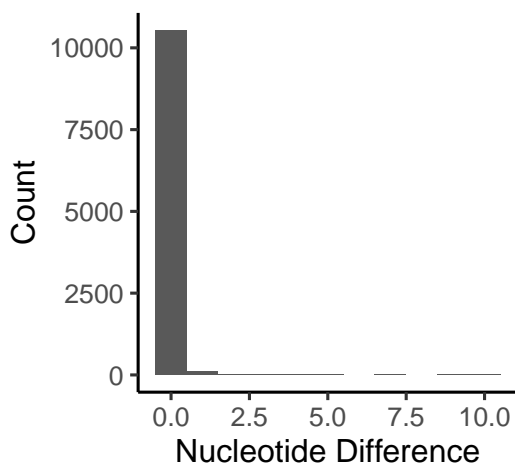
TRBV16*ap01

172 sequences assigned
171 (99.4%) exact matches, in which:
171 unique CDR3
13 unique J



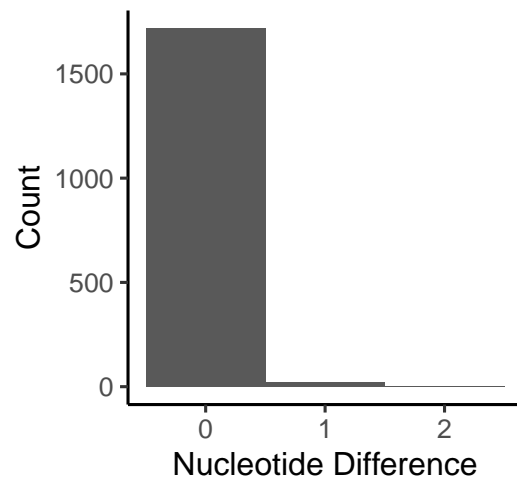
TRBV19*ap01

10673 sequences assigned
10541 (98.8%) exact matches, in which:
10424 unique CDR3
13 unique J



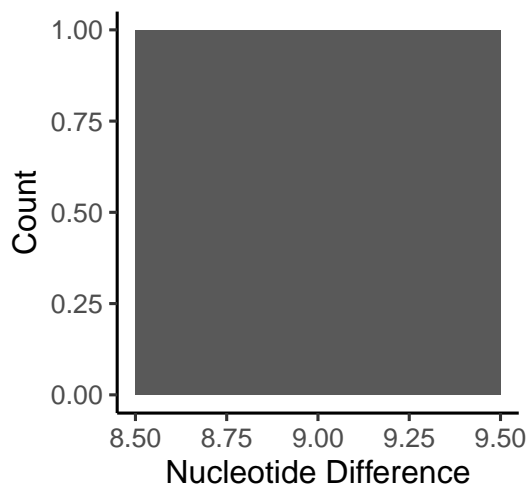
TRBV28*ap01

1740 sequences assigned
1718 (98.7%) exact matches, in which:
1693 unique CDR3
13 unique J



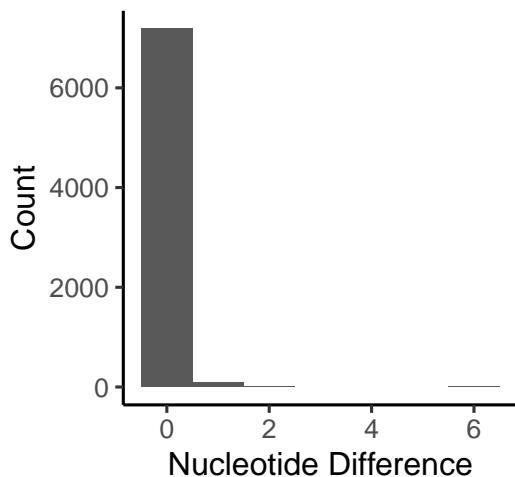
TRBV17*ap01

1 sequences assigned
No exact matches.



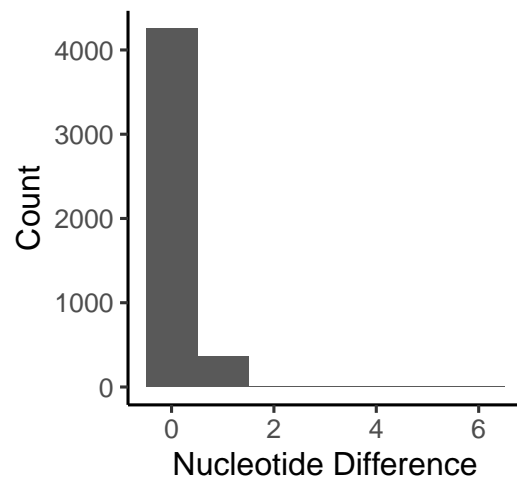
TRBV2*ap01

7287 sequences assigned
7186 (98.6%) exact matches, in which:
7029 unique CDR3
13 unique J



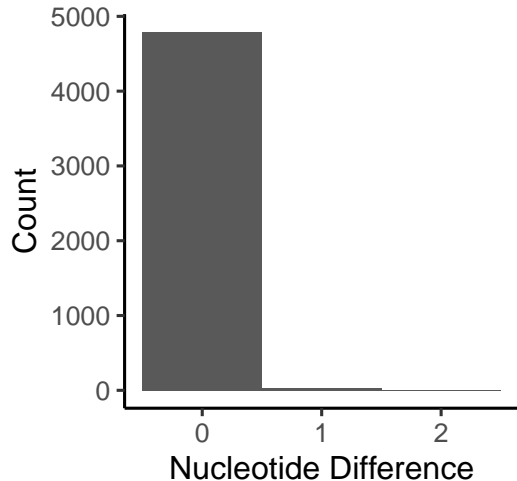
TRBV30*ap01

4617 sequences assigned
4252 (92.1%) exact matches, in which:
4207 unique CDR3
13 unique J



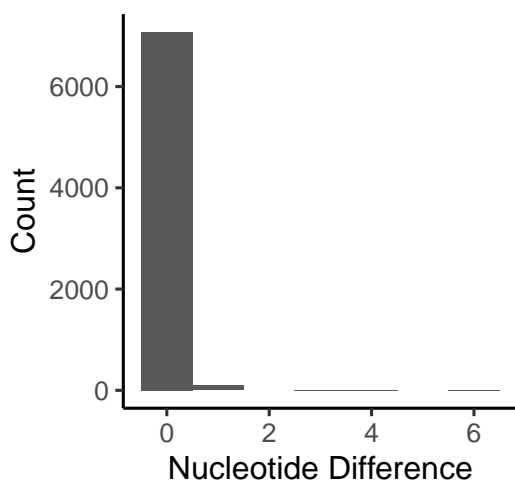
TRBV18*ap01

4818 sequences assigned
4790 (99.4%) exact matches, in which:
4734 unique CDR3
13 unique J



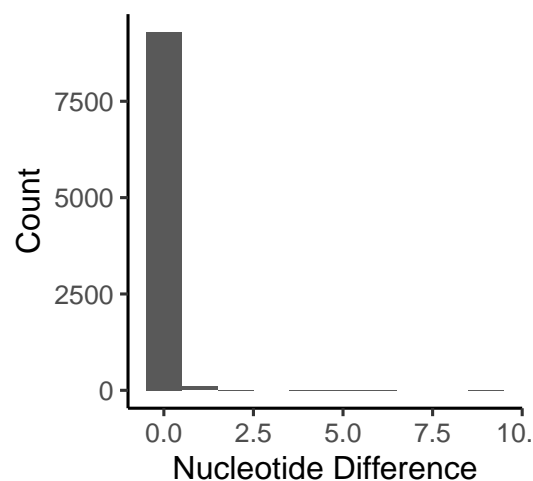
TRBV27*ap01

7179 sequences assigned
7077 (98.6%) exact matches, in which:
6921 unique CDR3
13 unique J



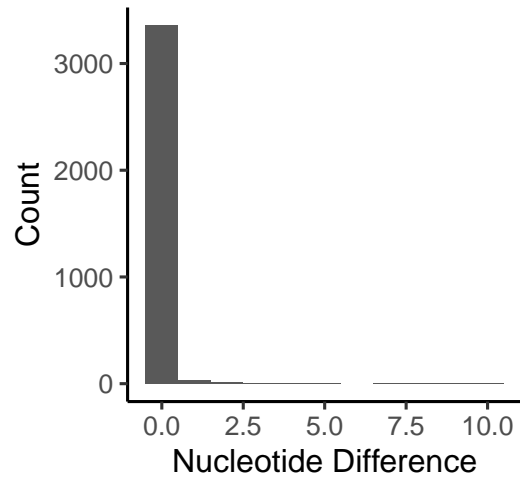
TRBV9*ap01

9405 sequences assigned
9296 (98.8%) exact matches, in which:
9133 unique CDR3
13 unique J



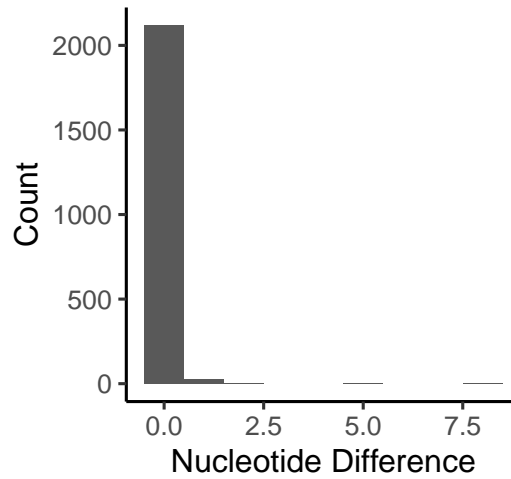
TRBV21-1*ap01

3420 sequences assigned
3357 (98.2%) exact matches, in which:
3316 unique CDR3
13 unique J



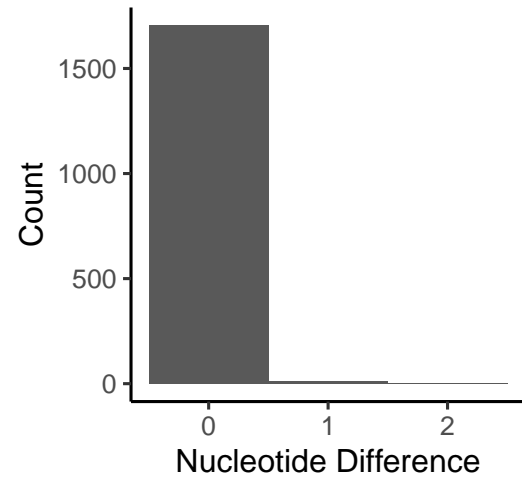
TRBV11-3*ap01

2146 sequences assigned
2118 (98.7%) exact matches, in which:
2089 unique CDR3
13 unique J



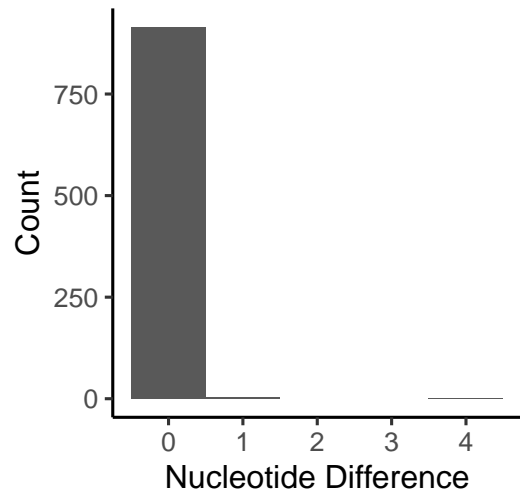
TRBV12-5*ap01

1719 sequences assigned
1705 (99.2%) exact matches, in which:
1675 unique CDR3
13 unique J



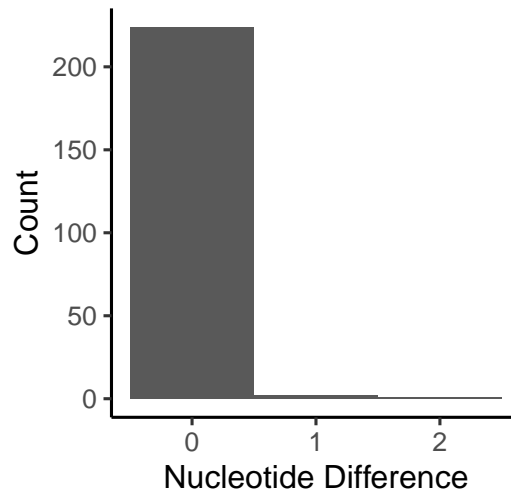
TRBV11-1*ap01

920 sequences assigned
915 (99.5%) exact matches, in which:
905 unique CDR3
13 unique J



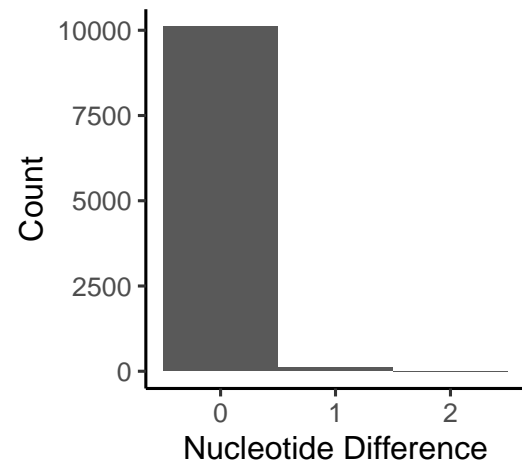
TRBV12-1*ap01

227 sequences assigned
224 (98.7%) exact matches, in which:
218 unique CDR3
13 unique J



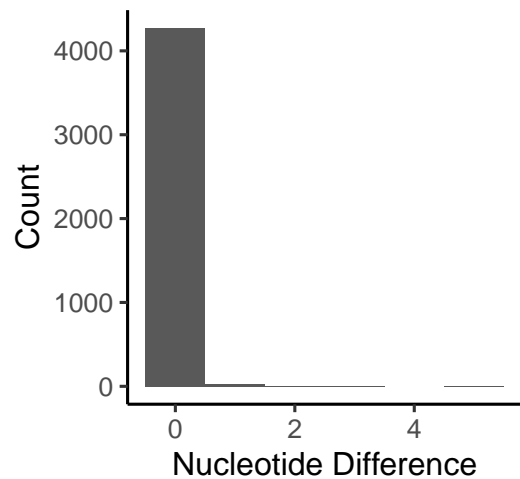
TRBV12-34*ap01

10219 sequences assigned
10111 (98.9%) exact matches, in which:
9923 unique CDR3
13 unique J



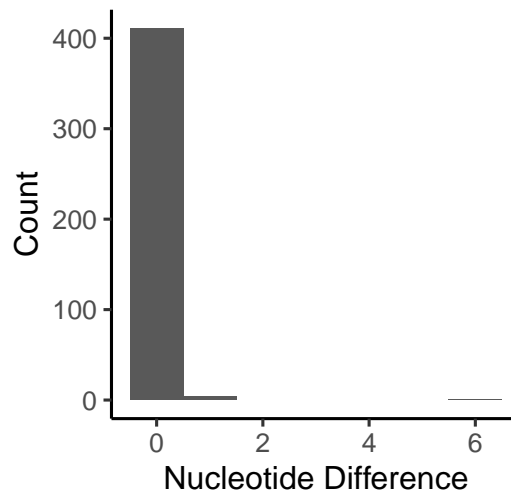
TRBV11-2*ap01

4306 sequences assigned
4272 (99.2%) exact matches, in which:
4201 unique CDR3
13 unique J



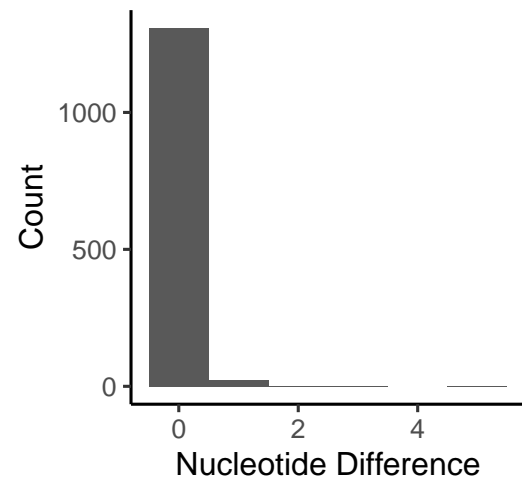
TRBV12-2*ap01

416 sequences assigned
411 (98.8%) exact matches, in which:
407 unique CDR3
13 unique J



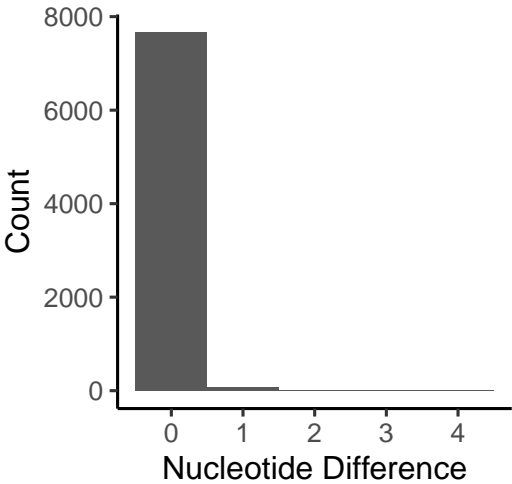
TRBV23-1*ap01

1336 sequences assigned
1308 (97.9%) exact matches, in which:
1283 unique CDR3
13 unique J



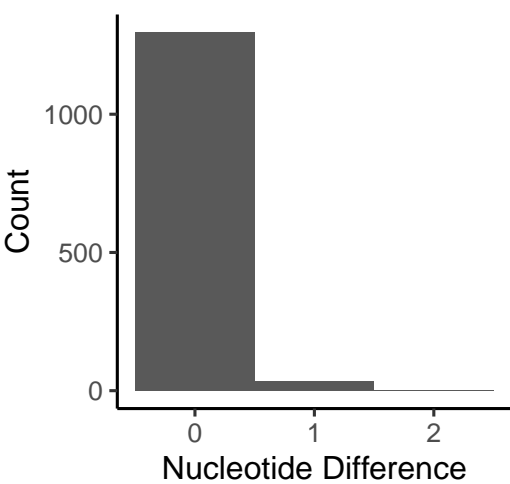
TRBV3-12*ap01

7746 sequences assigned
7663 (98.9%) exact matches, in which:
7519 unique CDR3
13 unique J



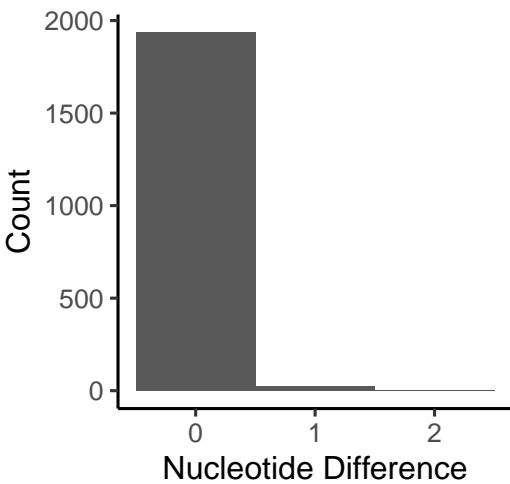
TRBV4-2*ap01

1332 sequences assigned
1296 (97.3%) exact matches, in which:
1268 unique CDR3
13 unique J



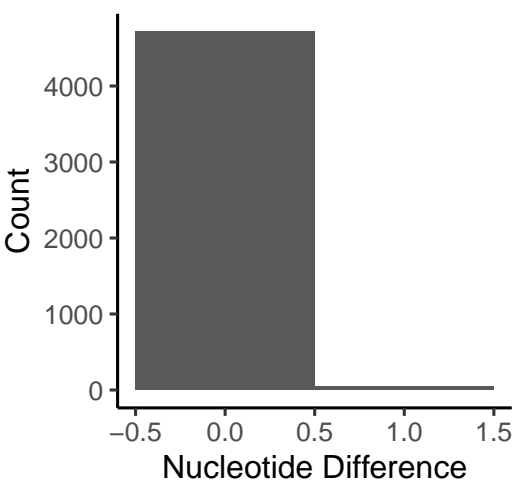
TRBV25-1*ap01

1959 sequences assigned
1936 (98.8%) exact matches, in which:
1901 unique CDR3
13 unique J



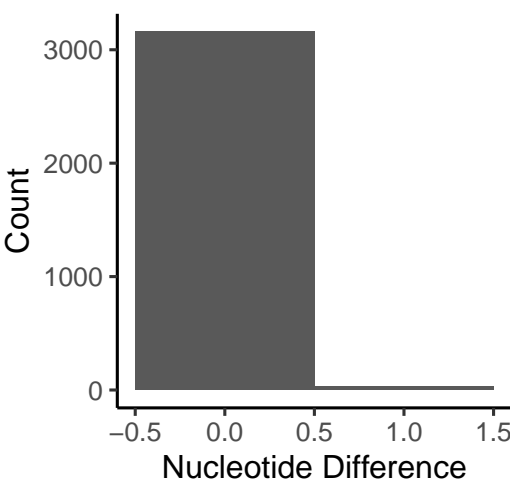
TRBV4-1*ap01

4765 sequences assigned
4714 (98.9%) exact matches, in which:
4636 unique CDR3
13 unique J



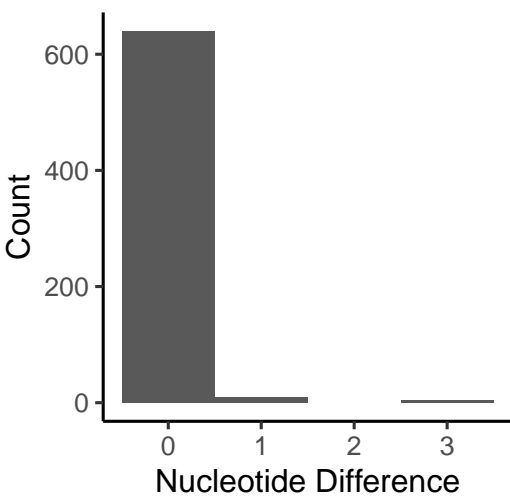
TRBV4-3*ap01

3189 sequences assigned
3159 (99.1%) exact matches, in which:
3104 unique CDR3
13 unique J



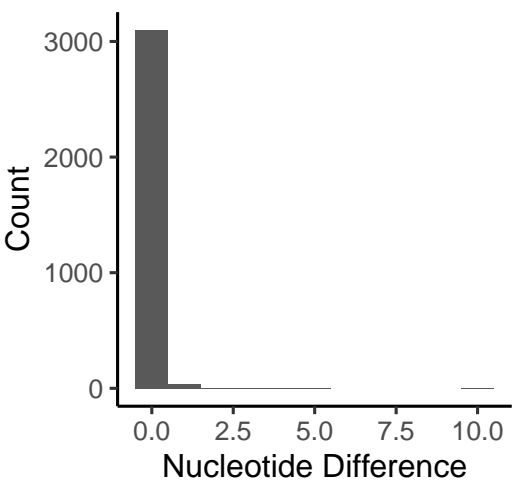
TRBV5-3*ap01

655 sequences assigned
640 (97.7%) exact matches, in which:
632 unique CDR3
13 unique J



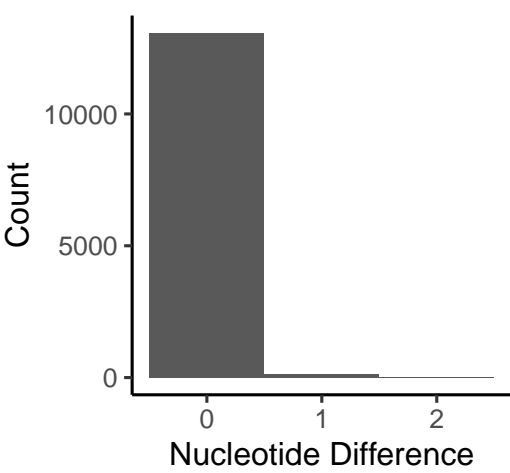
TRBV24-1*ap01

3147 sequences assigned
3099 (98.5%) exact matches, in which:
3056 unique CDR3
13 unique J



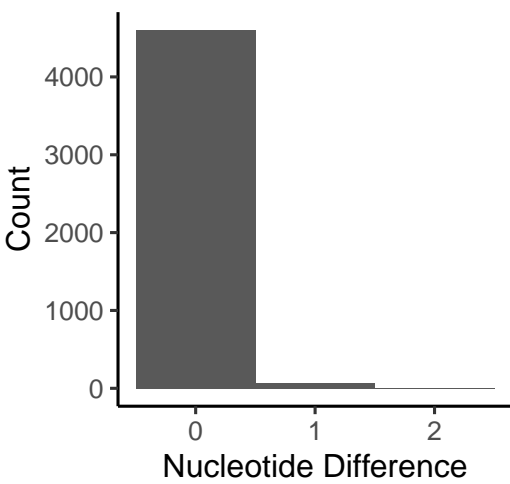
TRBV5-1*ap01

13208 sequences assigned
13079 (99%) exact matches, in which:
12818 unique CDR3
13 unique J



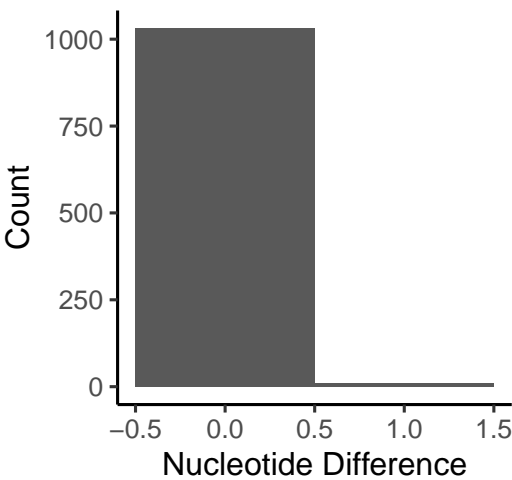
TRBV5-4*ap01

4670 sequences assigned
4602 (98.5%) exact matches, in which:
4504 unique CDR3
13 unique J



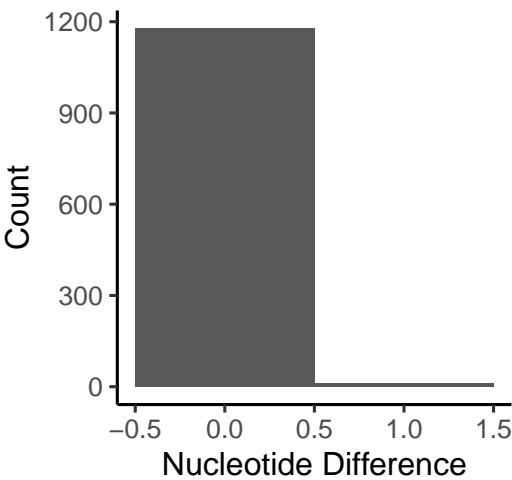
TRBV5-5*ap01

1040 sequences assigned
1031 (99.1%) exact matches, in which:
1029 unique CDR3
13 unique J



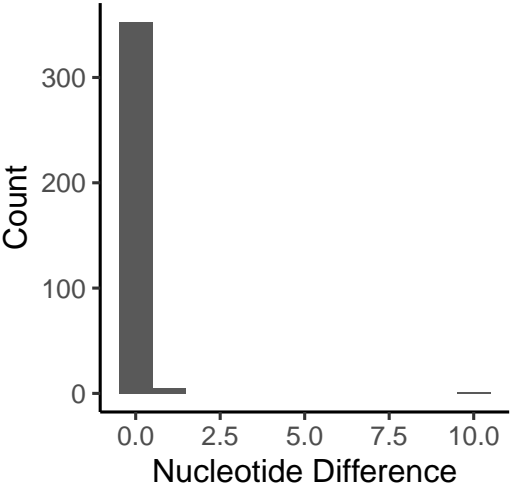
TRBV5-8*ap01

1190 sequences assigned
1178 (99%) exact matches, in which:
1154 unique CDR3
13 unique J



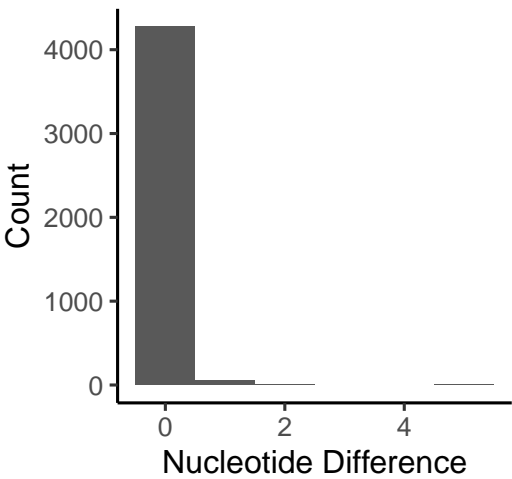
TRBV6-7*ap01

359 sequences assigned
353 (98.3%) exact matches, in which:
347 unique CDR3
13 unique J



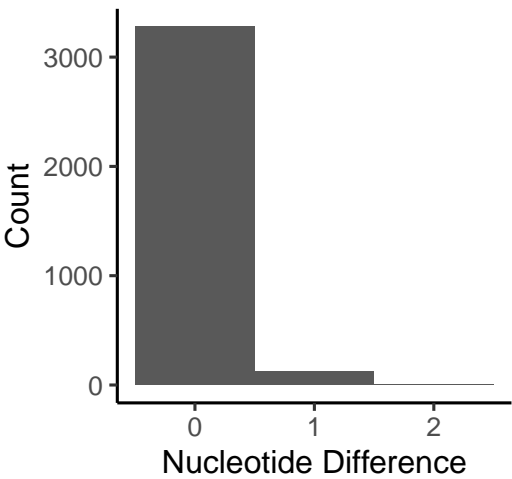
TRBV5-6*ap01

4327 sequences assigned
4274 (98.8%) exact matches, in which:
4177 unique CDR3
13 unique J



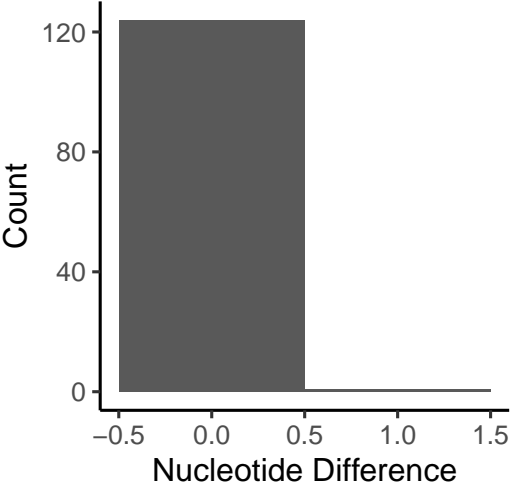
TRBV6-1*ap01

3408 sequences assigned
3278 (96.2%) exact matches, in which:
3212 unique CDR3
13 unique J



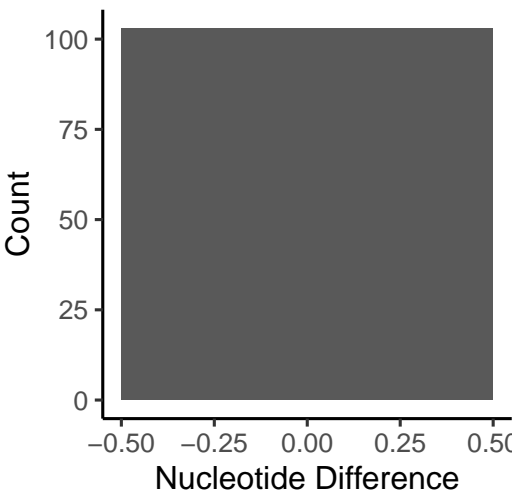
TRBV6-8*ap01

125 sequences assigned
124 (99.2%) exact matches, in which:
122 unique CDR3
13 unique J



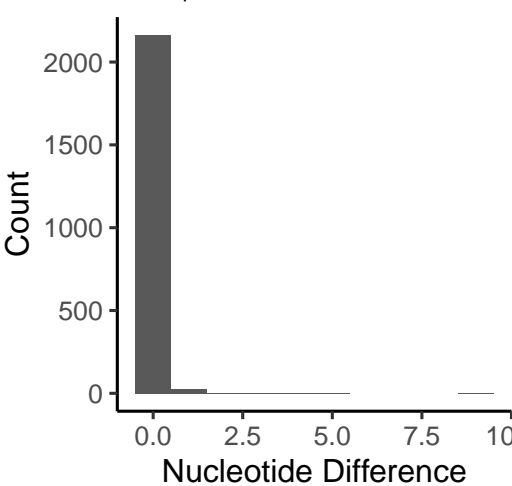
TRBV5-7*ap01

103 sequences assigned
103 (100%) exact matches, in which:
100 unique CDR3
13 unique J



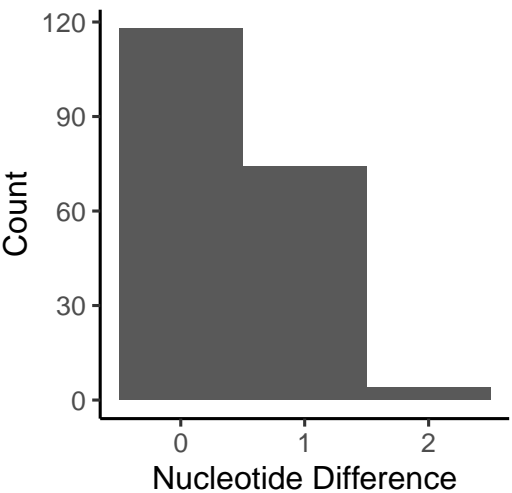
TRBV6-4*ap01

2196 sequences assigned
2163 (98.5%) exact matches, in which:
2131 unique CDR3
13 unique J



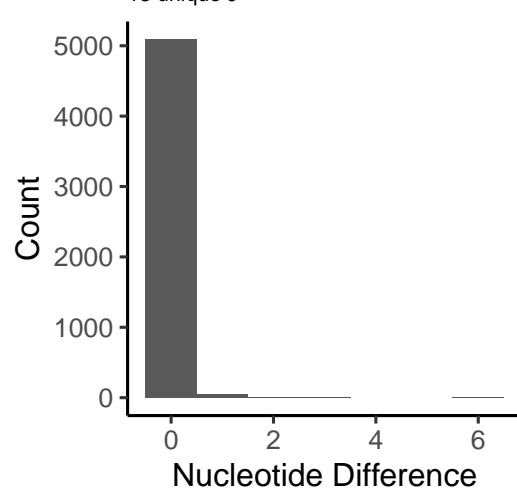
TRBV6-9*ap01

196 sequences assigned
118 (60.2%) exact matches, in which:
118 unique CDR3
12 unique J



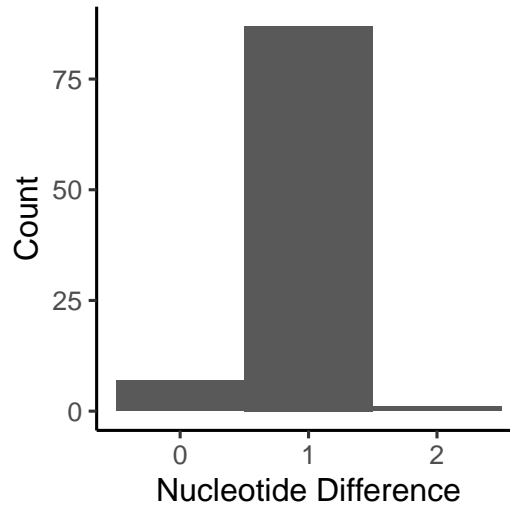
TRBV6-23*ap01

5148 sequences assigned
5090 (98.9%) exact matches, in which:
4981 unique CDR3
13 unique J



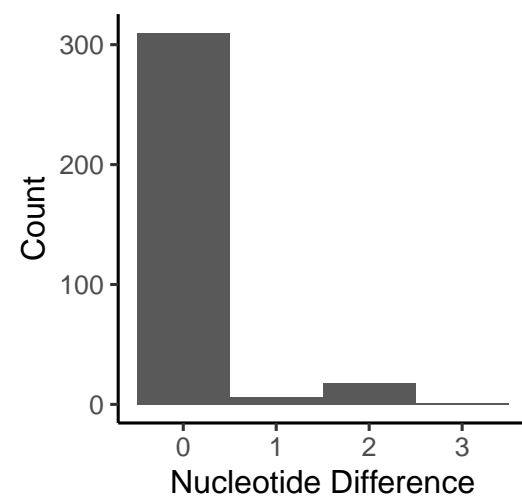
TRBV7-1*ap01_T296C

95 sequences assigned
7 (7.4%) exact matches, in which:
7 unique CDR3
5 unique J



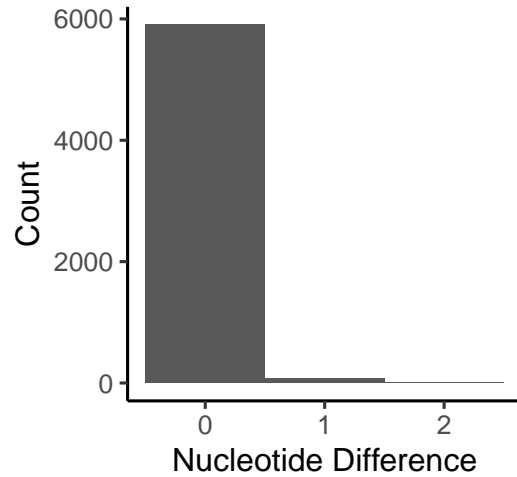
TRBV7-4*ap01

335 sequences assigned
310 (92.5%) exact matches, in which:
303 unique CDR3
13 unique J



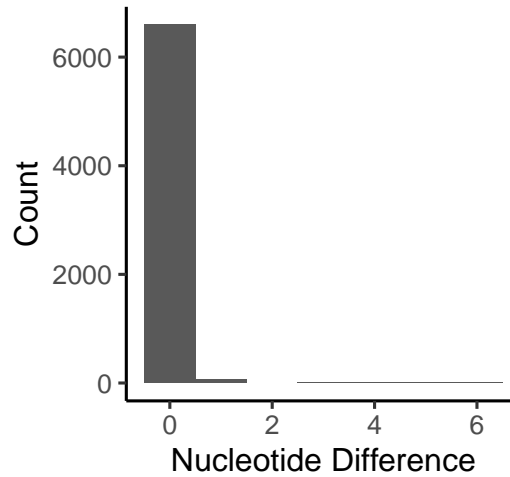
TRBV6-56*ap01

5972 sequences assigned
5904 (98.9%) exact matches, in which:
5784 unique CDR3
13 unique J



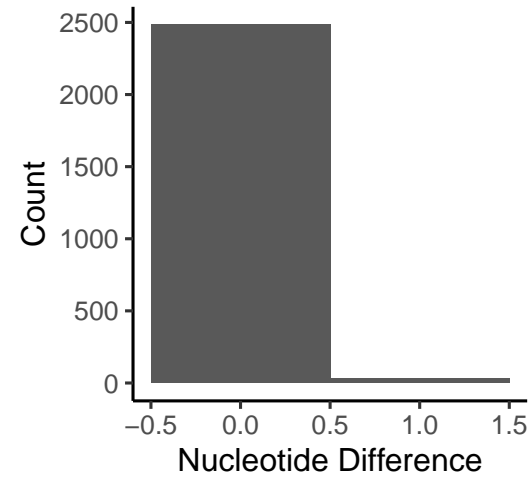
TRBV7-2*ap01

6661 sequences assigned
6596 (99%) exact matches, in which:
6485 unique CDR3
13 unique J



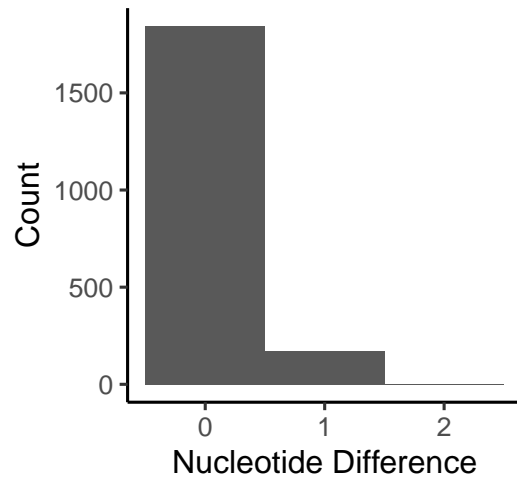
TRBV7-6*ap01

2516 sequences assigned
2484 (98.7%) exact matches, in which:
2441 unique CDR3
13 unique J



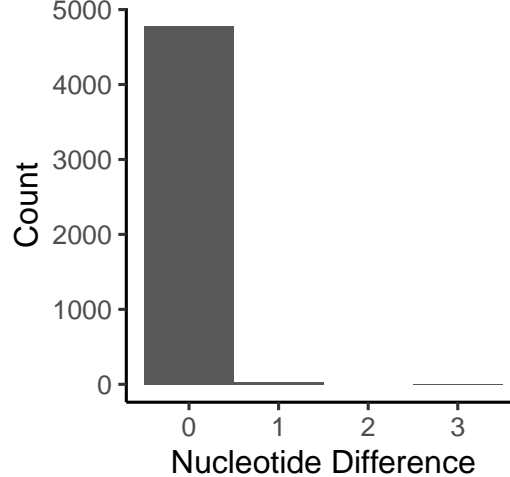
TRBV6-56*ap02

2016 sequences assigned
1844 (91.5%) exact matches, in which:
1812 unique CDR3
13 unique J



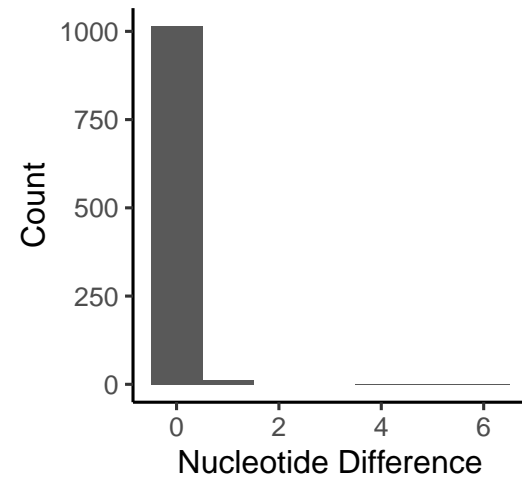
TRBV7-3*ap01

4813 sequences assigned
4780 (99.3%) exact matches, in which:
4720 unique CDR3
14 unique J



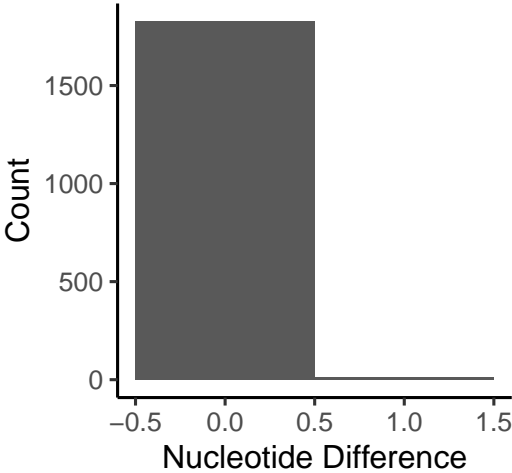
TRBV7-7*ap01_C315T

1031 sequences assigned
1015 (98.4%) exact matches, in which:
1002 unique CDR3
13 unique J



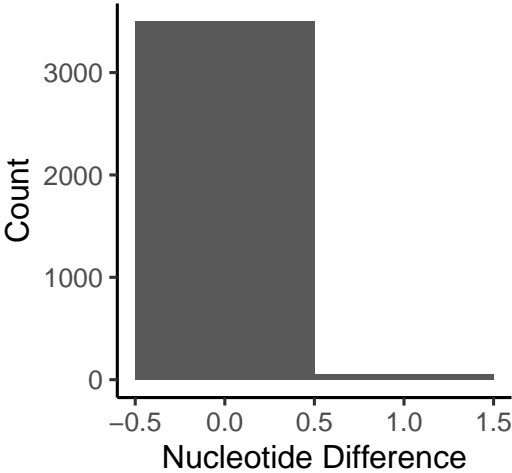
TRBV7-8*ap01

1841 sequences assigned
1827 (99.2%) exact matches, in which:
1788 unique CDR3
13 unique J



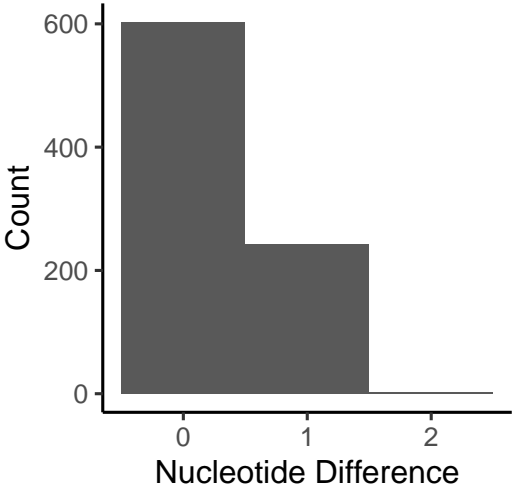
TRBV29-1*ap01

3550 sequences assigned
3500 (98.6%) exact matches, in which:
3432 unique CDR3
13 unique J



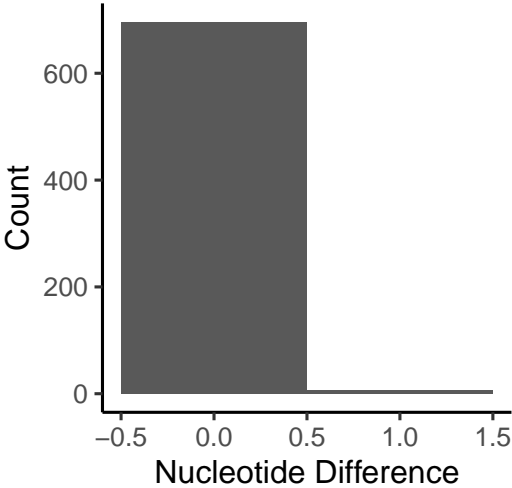
TRBV7-8*ap03

848 sequences assigned
603 (71.1%) exact matches, in which:
590 unique CDR3
13 unique J



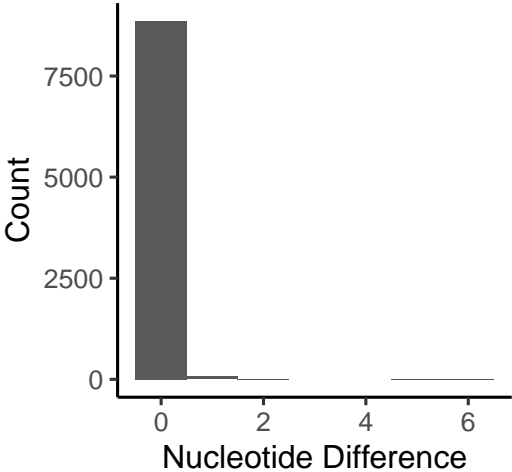
TRBV29-1*ap02

703 sequences assigned
696 (99%) exact matches, in which:
685 unique CDR3
13 unique J

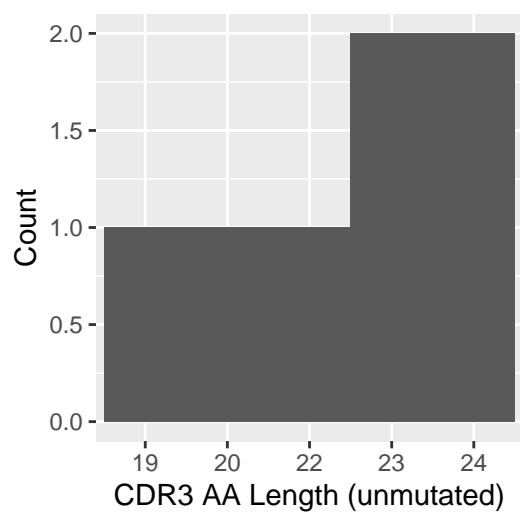


TRBV7-9*ap01

8936 sequences assigned
8860 (99.1%) exact matches, in which:
8744 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

