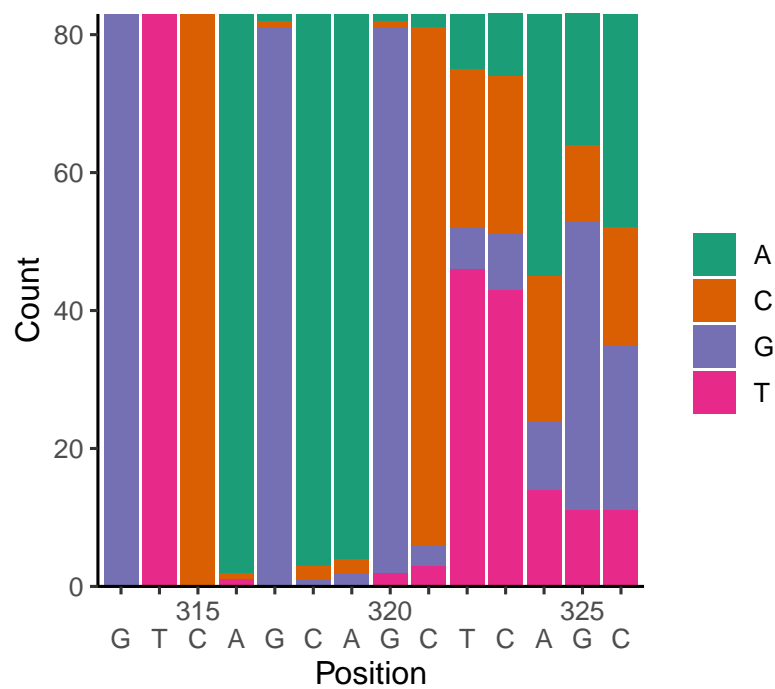
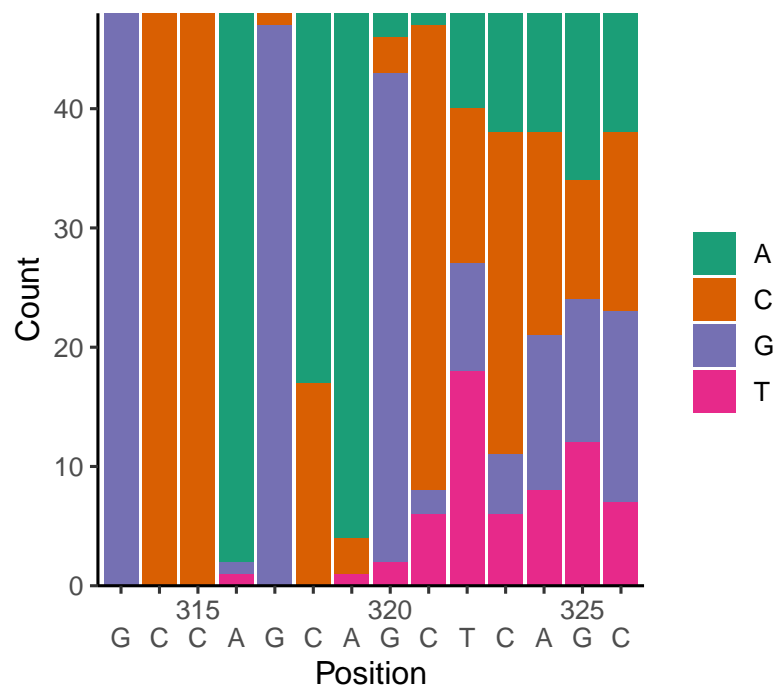


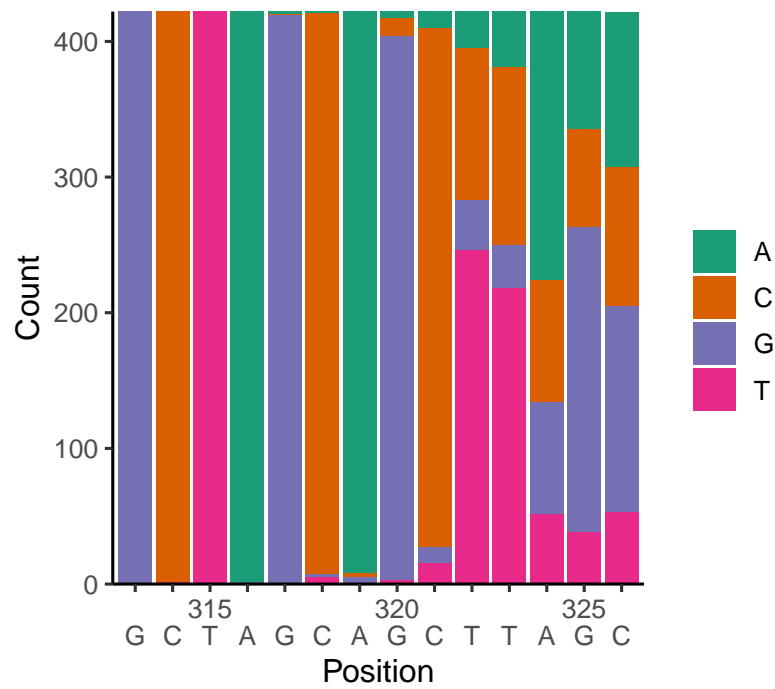
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



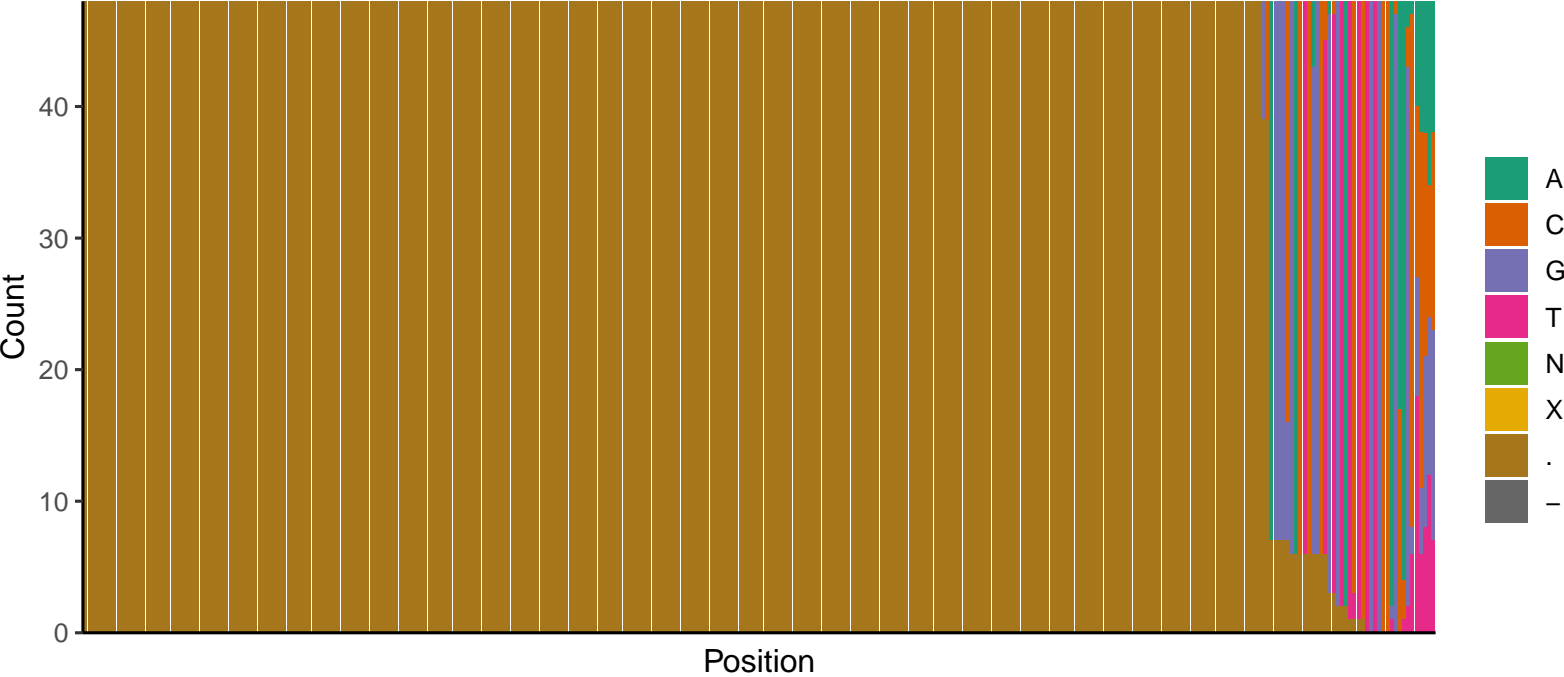
Gene TRBV7-7*ap01_C315T



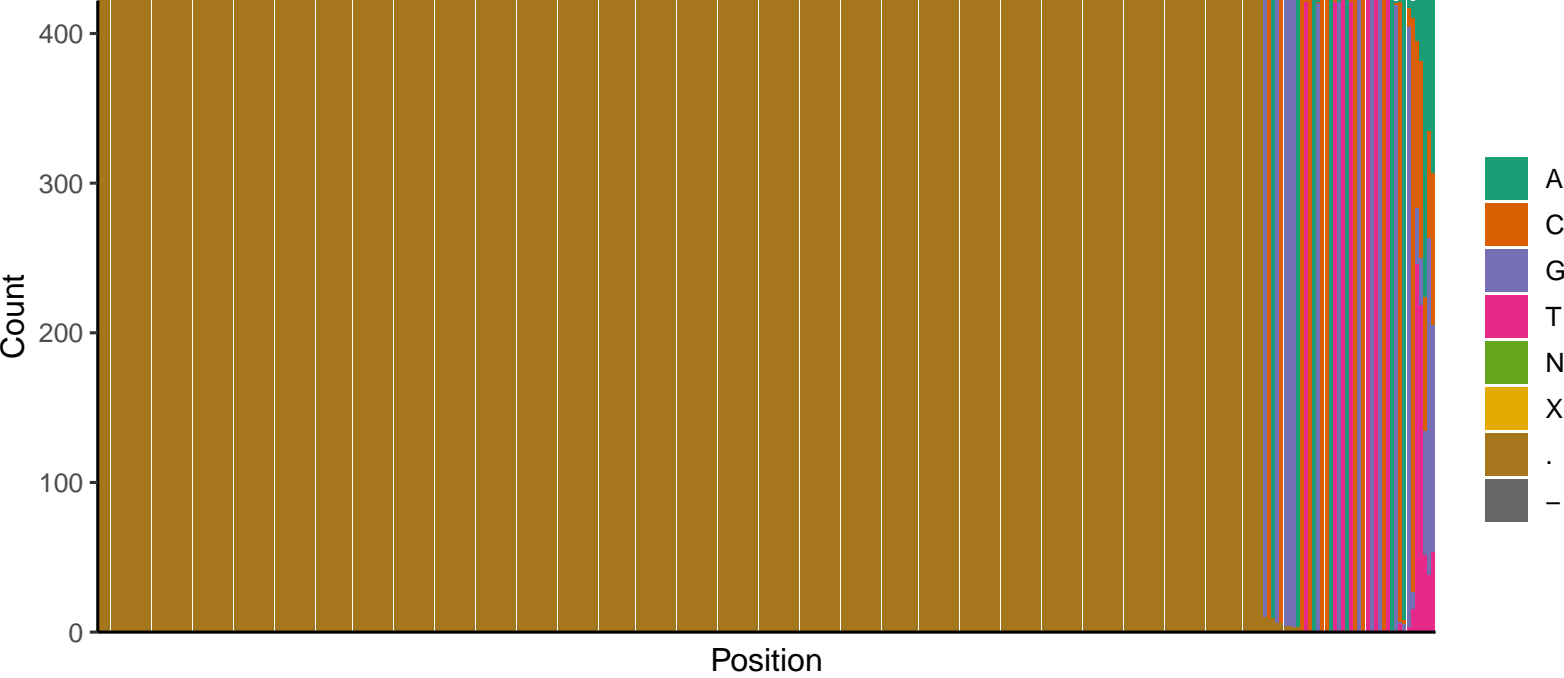
Gene TRBV7-1*ap01_T296C_C314T



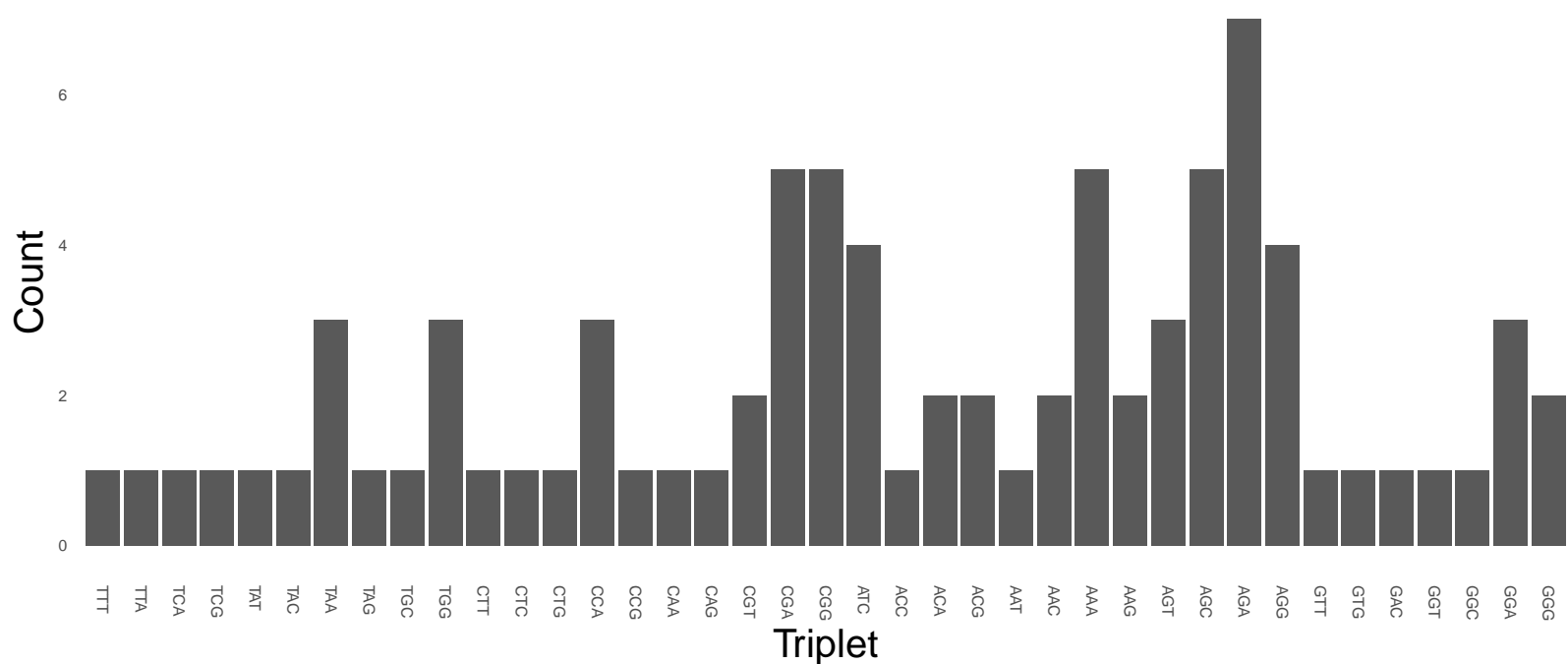
Gene TRBV7-1*ap01_T296C



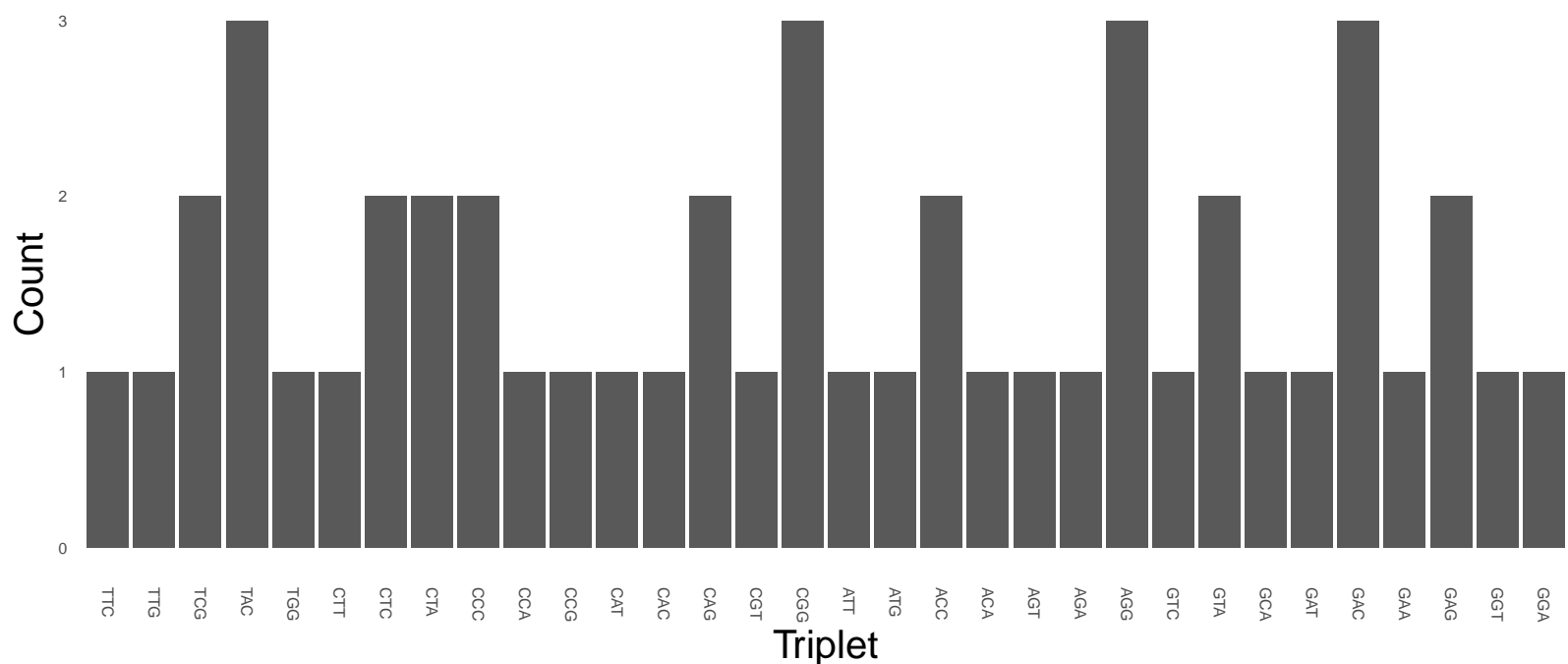
Gene TRBV7-7*ap01_C315T



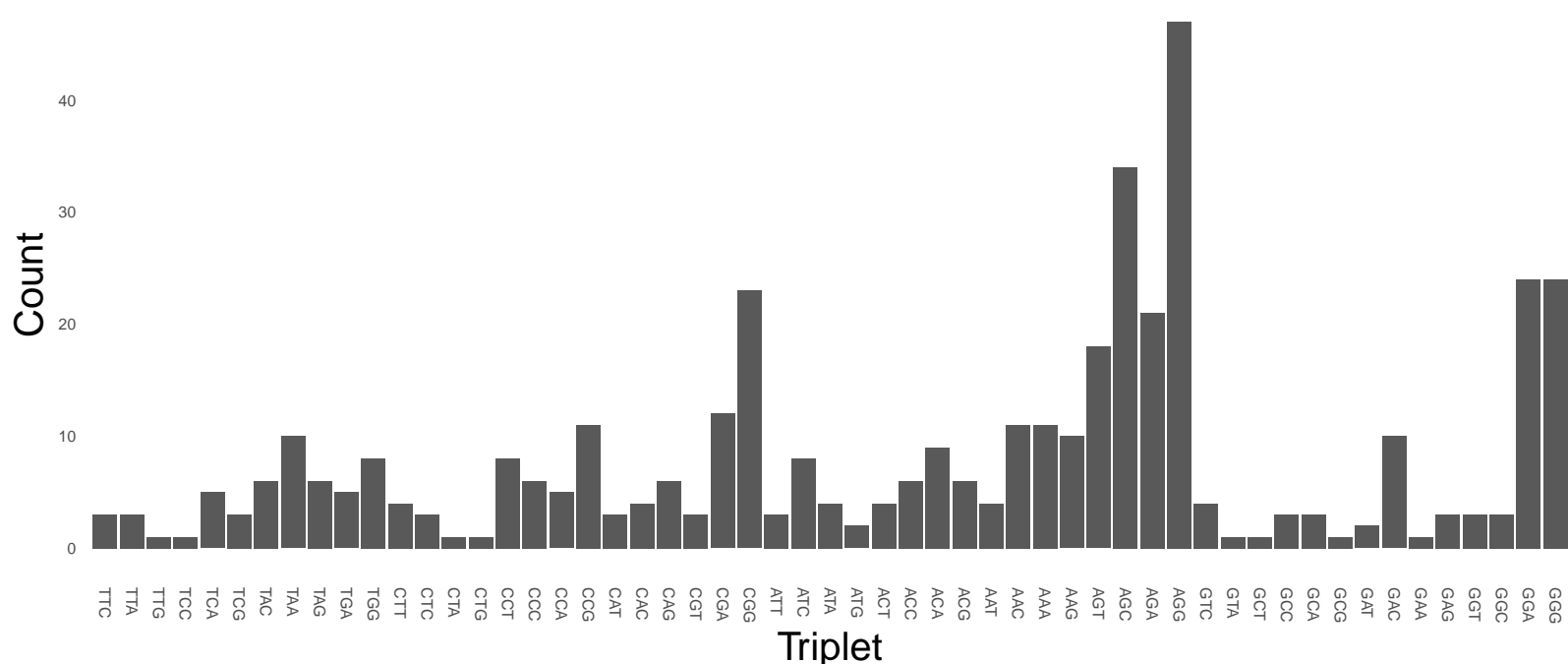
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

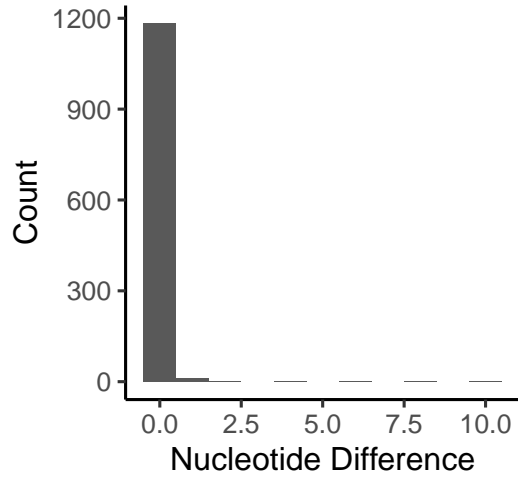


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



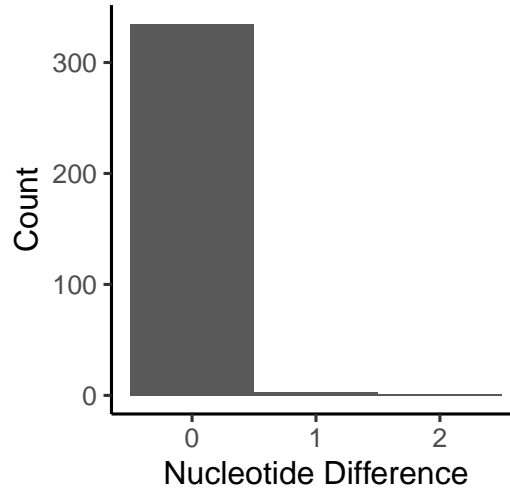
TRBV10-1*ap01

1199 sequences assigned
1183 (98.7%) exact matches, in which:
1166 unique CDR3
13 unique J



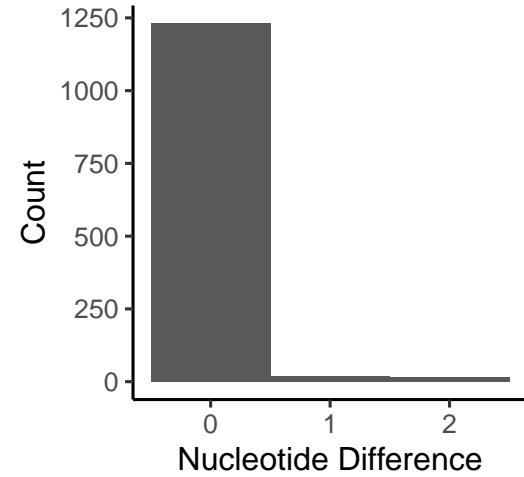
TRBV10-2*ap01

339 sequences assigned
335 (98.8%) exact matches, in which:
331 unique CDR3
12 unique J



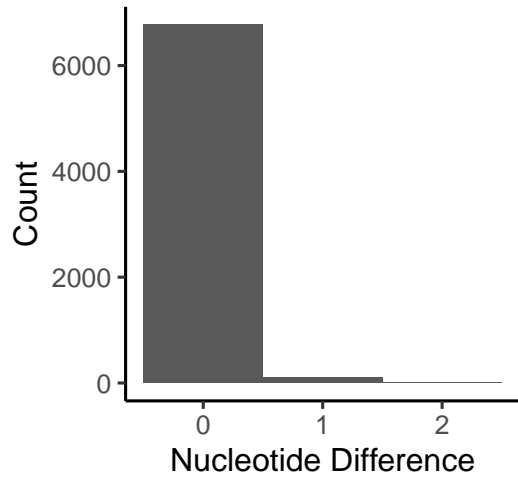
TRBV13*ap01

1264 sequences assigned
1231 (97.4%) exact matches, in which:
1211 unique CDR3
13 unique J



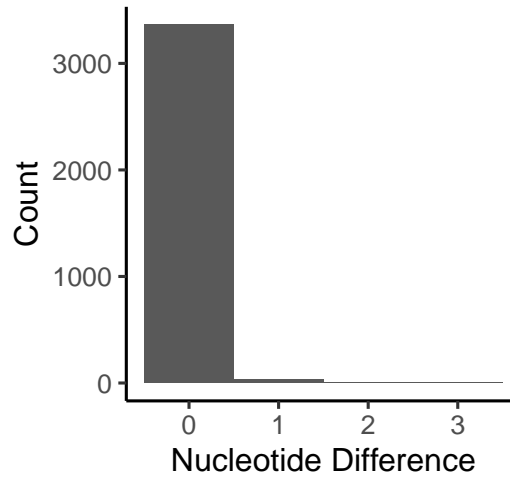
TRBV20-1*ap01

6878 sequences assigned
6772 (98.5%) exact matches, in which:
6654 unique CDR3
13 unique J



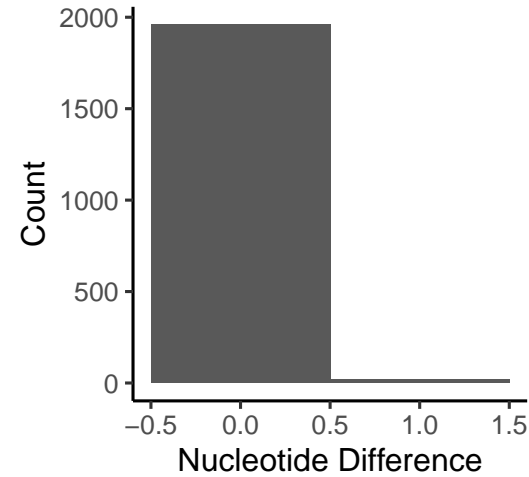
TRBV10-3*ap01

3402 sequences assigned
3363 (98.9%) exact matches, in which:
3314 unique CDR3
13 unique J



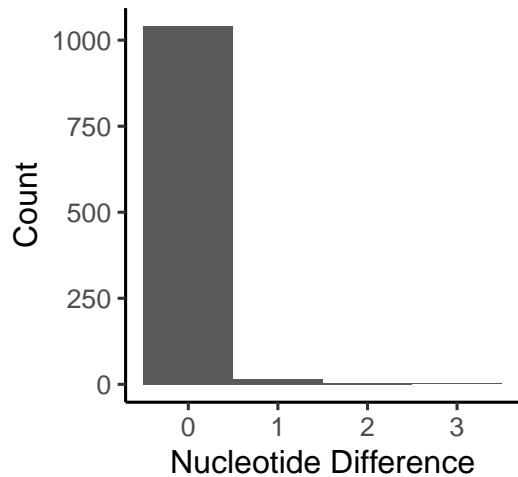
TRBV14*ap01

1978 sequences assigned
1959 (99%) exact matches, in which:
1935 unique CDR3
13 unique J



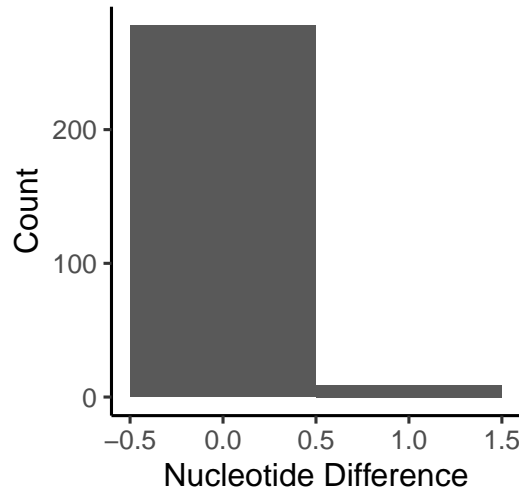
TRBV20-1*ap02

1061 sequences assigned
1041 (98.1%) exact matches, in which:
1032 unique CDR3
13 unique J



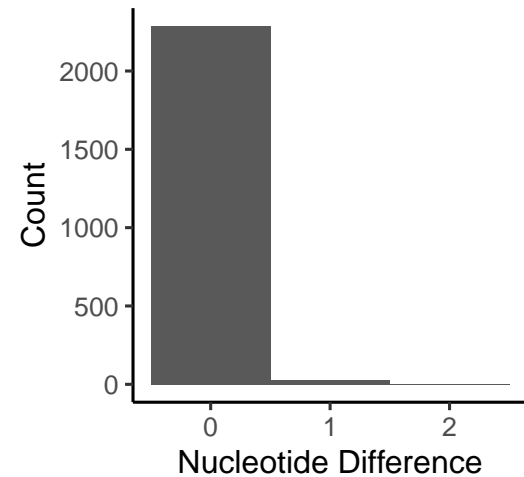
TRBV1*ap01

287 sequences assigned
278 (96.9%) exact matches, in which:
271 unique CDR3
13 unique J



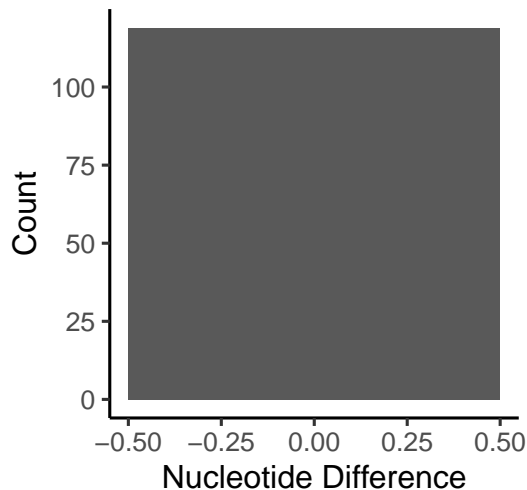
TRBV15*ap02

2314 sequences assigned
2287 (98.8%) exact matches, in which:
2256 unique CDR3
13 unique J



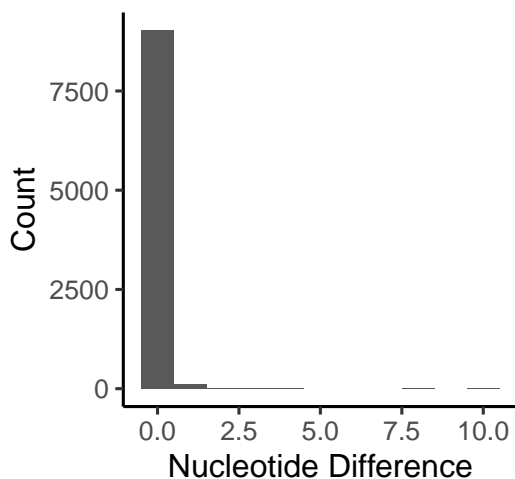
TRBV16*ap01

119 sequences assigned
119 (100%) exact matches, in which:
119 unique CDR3
13 unique J



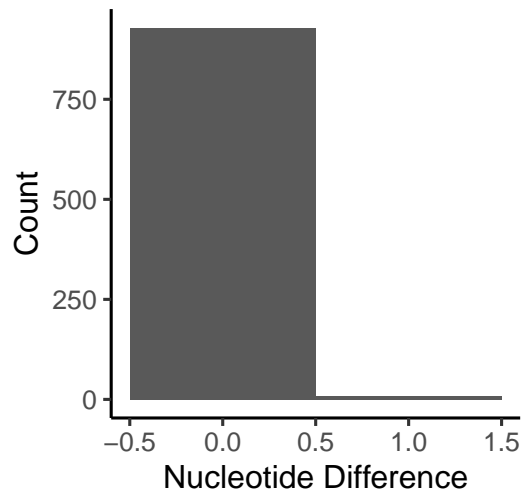
TRBV19*ap01

9154 sequences assigned
9026 (98.6%) exact matches, in which:
8900 unique CDR3
13 unique J



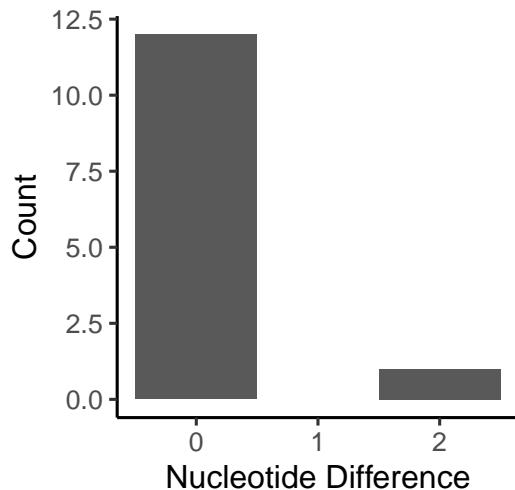
TRBV28*ap01

938 sequences assigned
929 (99%) exact matches, in which:
915 unique CDR3
13 unique J



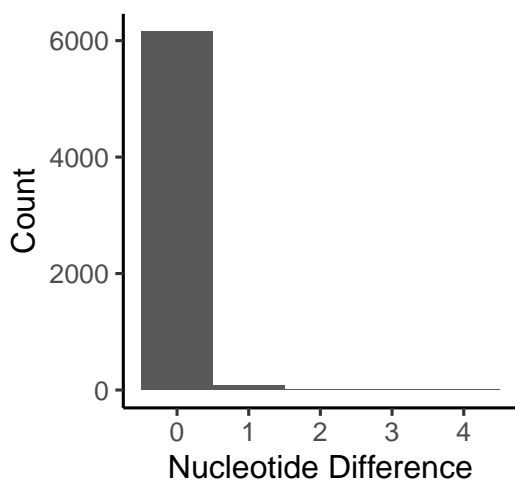
TRBV17*ap01

13 sequences assigned
12 (92.3%) exact matches, in which:
12 unique CDR3
6 unique J



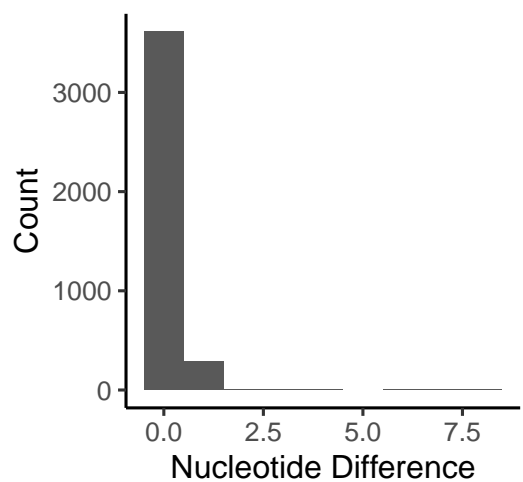
TRBV2*ap01

6233 sequences assigned
6153 (98.7%) exact matches, in which:
6071 unique CDR3
13 unique J



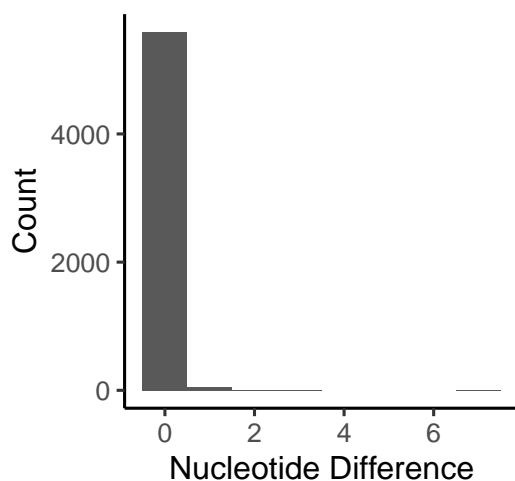
TRBV30*ap01

3913 sequences assigned
3612 (92.3%) exact matches, in which:
3562 unique CDR3
13 unique J



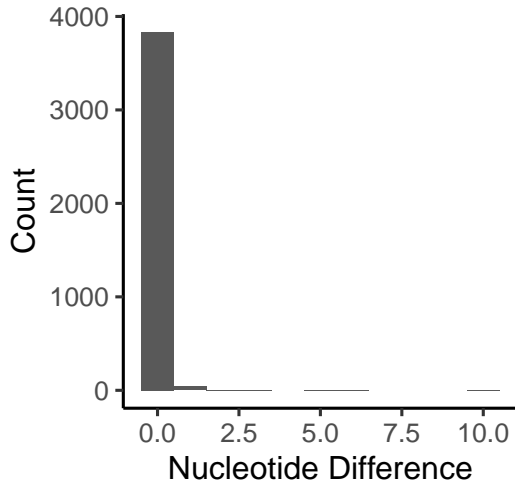
TRBV18*ap01

5644 sequences assigned
5590 (99%) exact matches, in which:
5485 unique CDR3
13 unique J



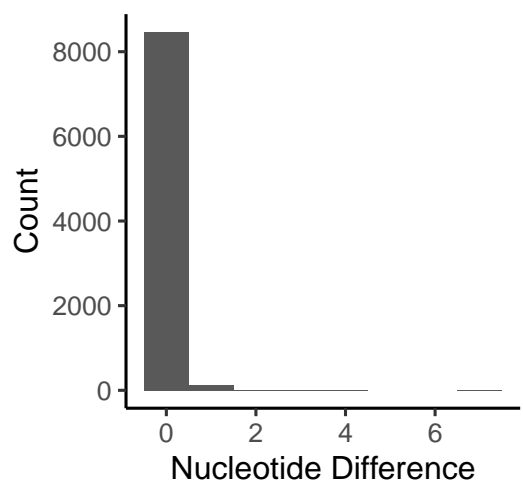
TRBV27*ap01

3880 sequences assigned
3833 (98.8%) exact matches, in which:
3774 unique CDR3
13 unique J



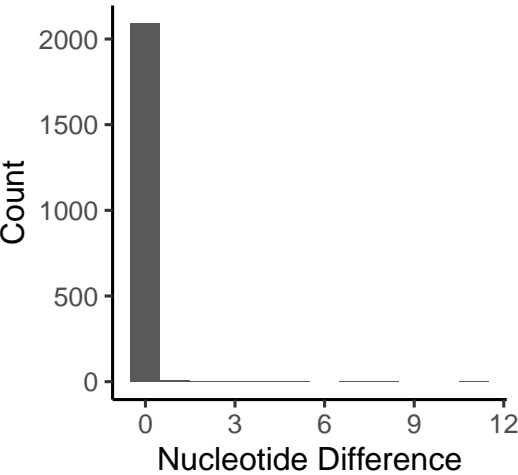
TRBV9*ap01

8590 sequences assigned
8464 (98.5%) exact matches, in which:
8331 unique CDR3
14 unique J



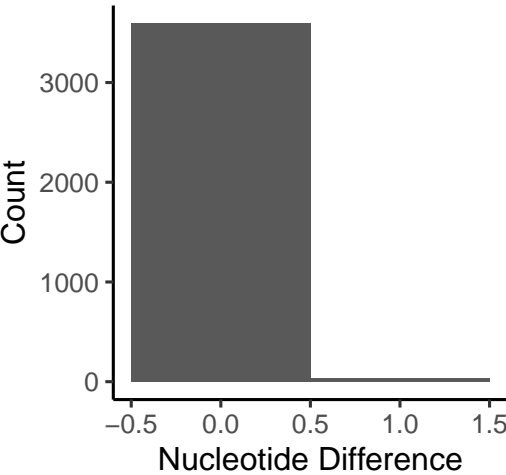
TRBV21-1*ap01

2113 sequences assigned
2091 (99%) exact matches, in which:
2081 unique CDR3
13 unique J



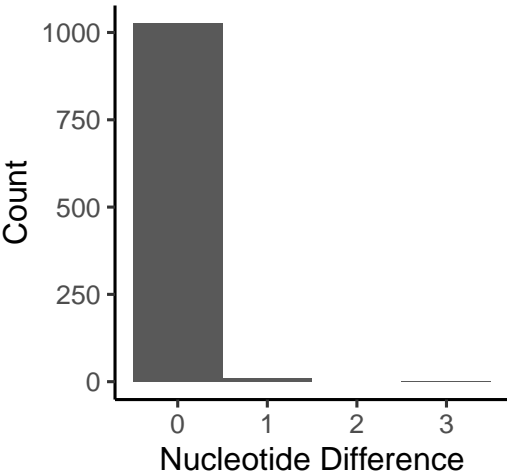
TRBV11-3*ap01

3630 sequences assigned
3593 (99%) exact matches, in which:
3544 unique CDR3
13 unique J



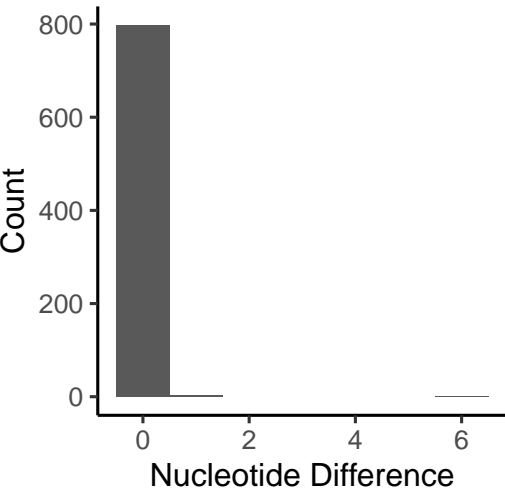
TRBV12-5*ap01

1038 sequences assigned
1026 (98.8%) exact matches, in which:
1015 unique CDR3
13 unique J



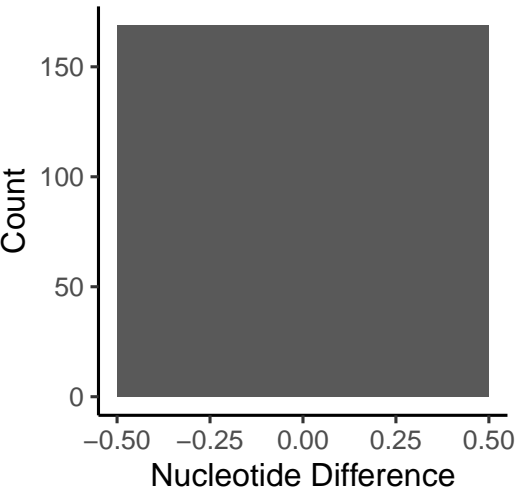
TRBV11-1*ap01

803 sequences assigned
798 (99.4%) exact matches, in which:
784 unique CDR3
13 unique J



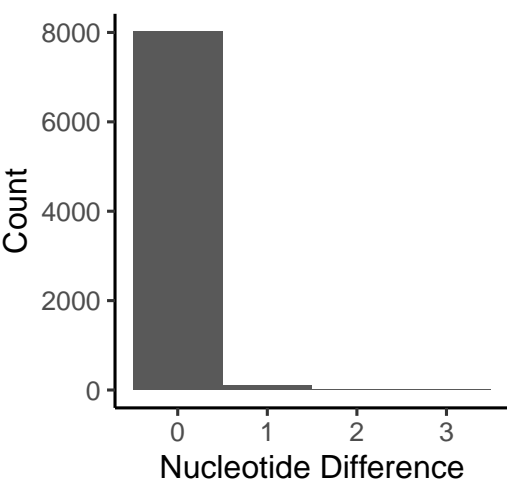
TRBV12-1*ap01

169 sequences assigned
169 (100%) exact matches, in which:
165 unique CDR3
13 unique J



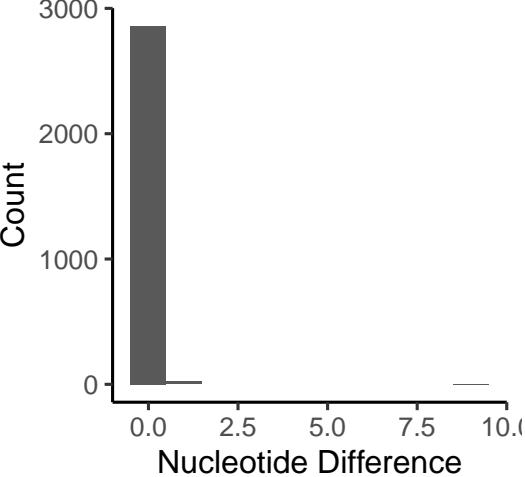
TRBV12-34*ap01

8119 sequences assigned
8016 (98.7%) exact matches, in which:
7900 unique CDR3
13 unique J



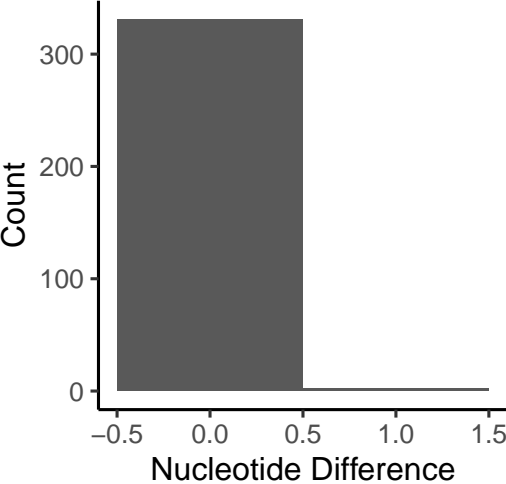
TRBV11-2*ap01

2883 sequences assigned
2859 (99.2%) exact matches, in which:
2828 unique CDR3
13 unique J



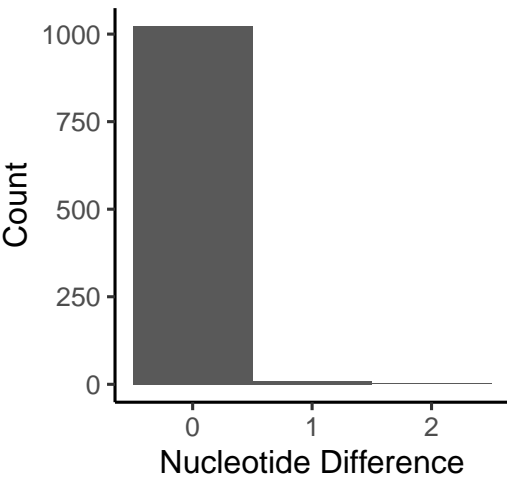
TRBV12-2*ap01

333 sequences assigned
331 (99.4%) exact matches, in which:
327 unique CDR3
13 unique J



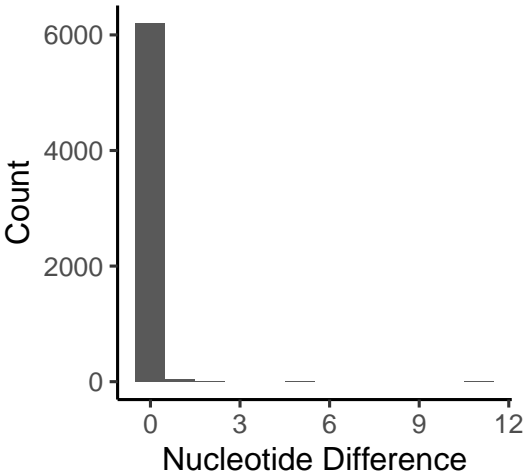
TRBV23-1*ap01

1034 sequences assigned
1023 (98.9%) exact matches, in which:
1007 unique CDR3
13 unique J



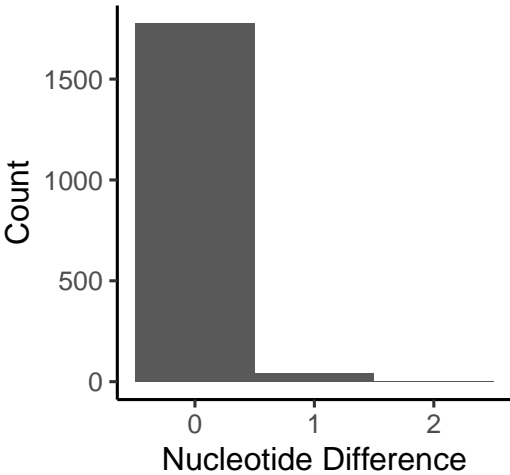
TRBV3-12*ap01

6249 sequences assigned
6199 (99.2%) exact matches, in which:
6133 unique CDR3
13 unique J



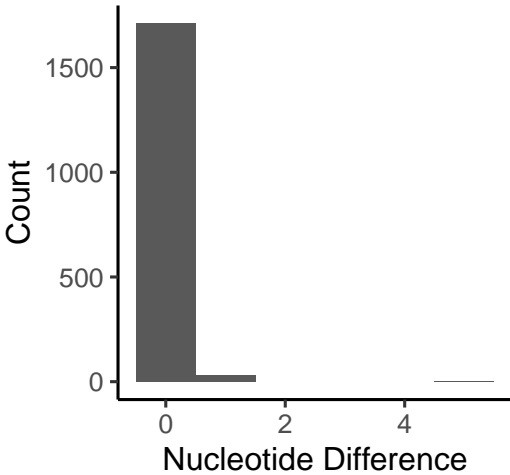
TRBV4-2*ap01

1820 sequences assigned
1776 (97.6%) exact matches, in which:
1755 unique CDR3
13 unique J



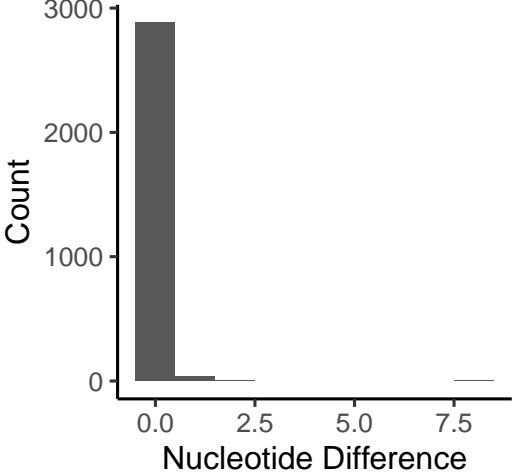
TRBV25-1*ap01

1744 sequences assigned
1711 (98.1%) exact matches, in which:
1685 unique CDR3
13 unique J



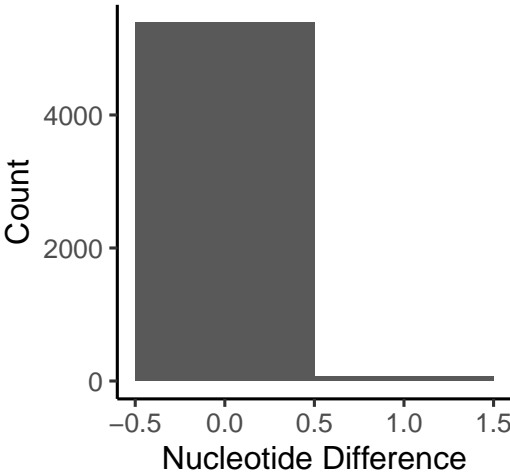
TRBV4-1*ap01

2922 sequences assigned
2882 (98.6%) exact matches, in which:
2827 unique CDR3
13 unique J



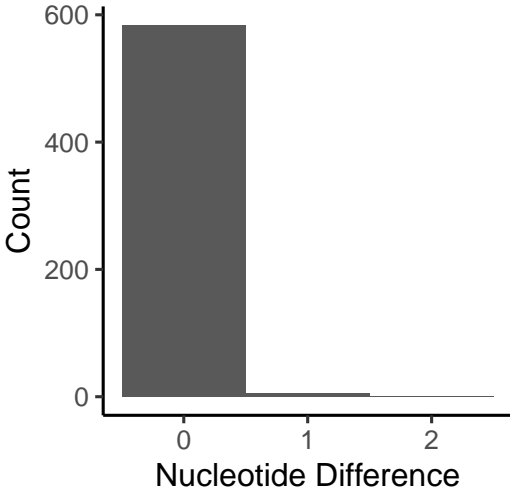
TRBV4-3*ap01

5454 sequences assigned
5387 (98.8%) exact matches, in which:
5307 unique CDR3
13 unique J



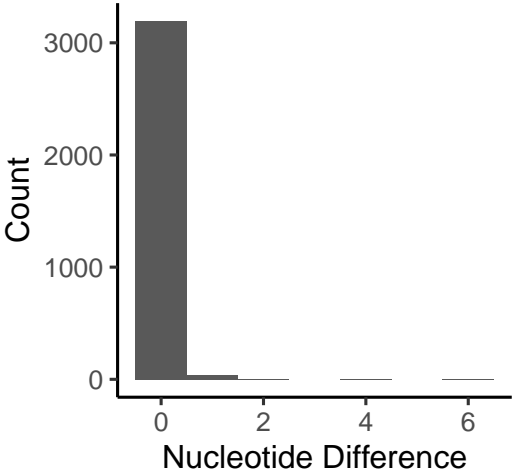
TRBV5-3*ap01

591 sequences assigned
584 (98.8%) exact matches, in which:
573 unique CDR3
13 unique J



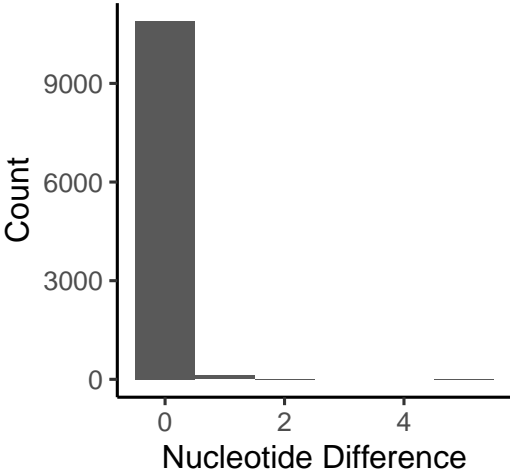
TRBV24-1*ap01

3241 sequences assigned
3194 (98.5%) exact matches, in which:
3156 unique CDR3
13 unique J



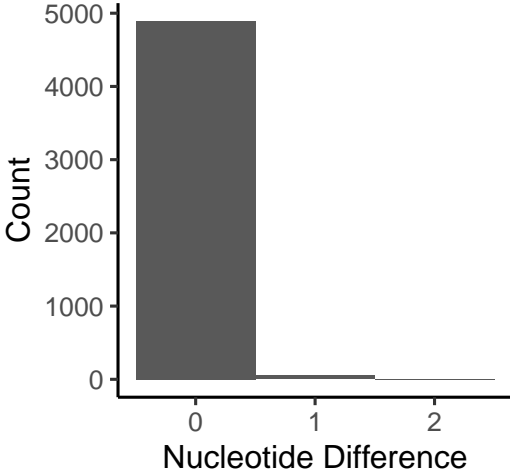
TRBV5-1*ap01

11019 sequences assigned
10896 (98.9%) exact matches, in which:
10678 unique CDR3
13 unique J



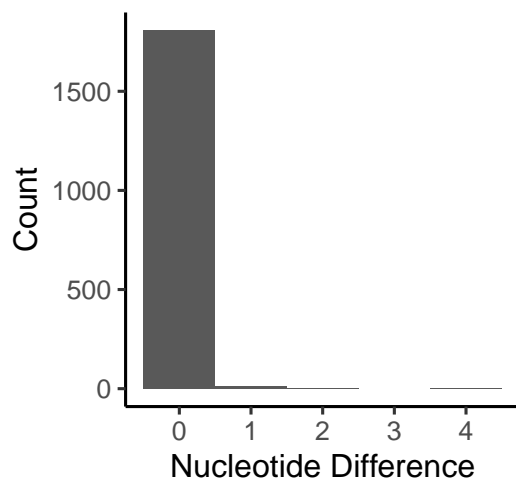
TRBV5-4*ap01

4945 sequences assigned
4893 (98.9%) exact matches, in which:
4835 unique CDR3
13 unique J



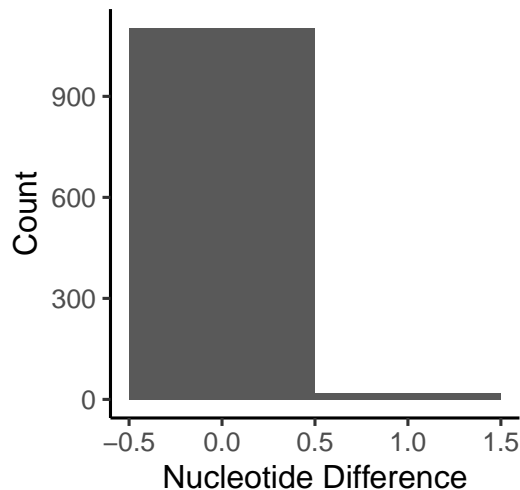
TRBV5-5*ap01

1821 sequences assigned
1807 (99.2%) exact matches, in which:
1791 unique CDR3
13 unique J



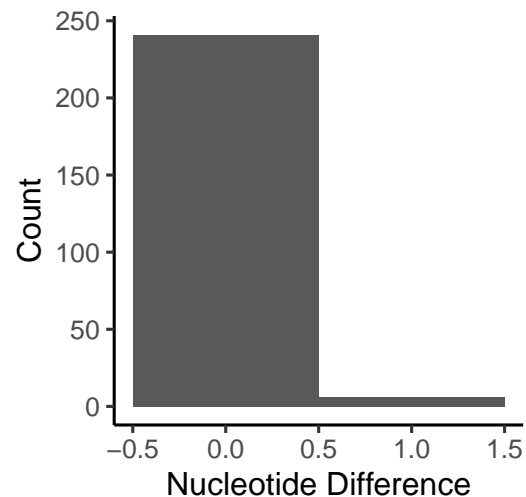
TRBV5-8*ap01

1122 sequences assigned
1104 (98.4%) exact matches, in which:
1086 unique CDR3
13 unique J



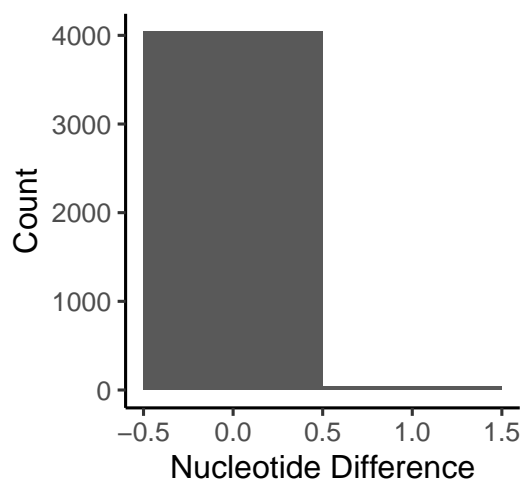
TRBV6-7*ap01

247 sequences assigned
241 (97.6%) exact matches, in which:
238 unique CDR3
13 unique J



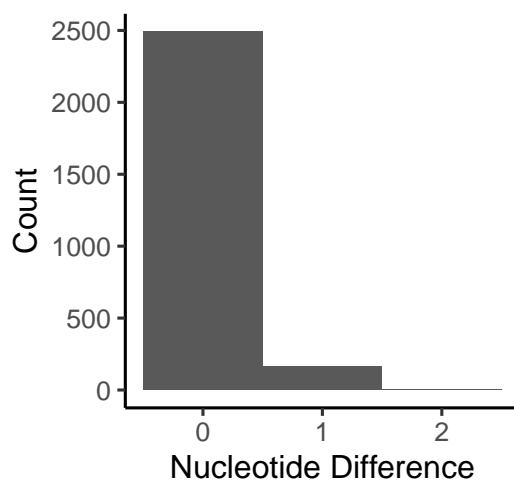
TRBV5-6*ap01

4079 sequences assigned
4041 (99.1%) exact matches, in which:
3973 unique CDR3
13 unique J



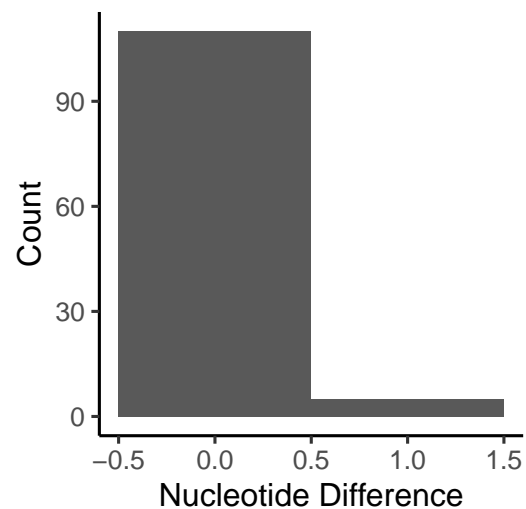
TRBV6-1*ap01

2660 sequences assigned
2491 (93.6%) exact matches, in which:
2447 unique CDR3
13 unique J



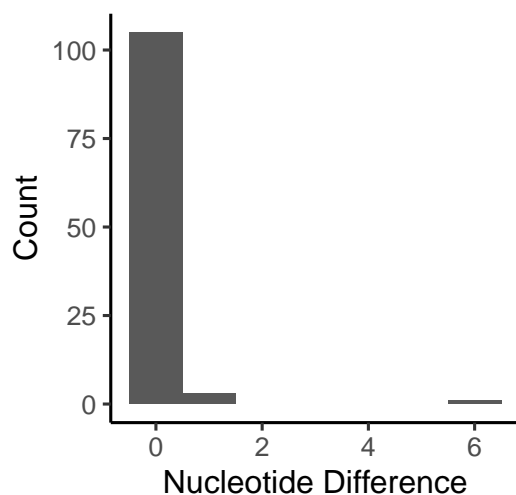
TRBV6-8*ap01

115 sequences assigned
110 (95.7%) exact matches, in which:
109 unique CDR3
13 unique J



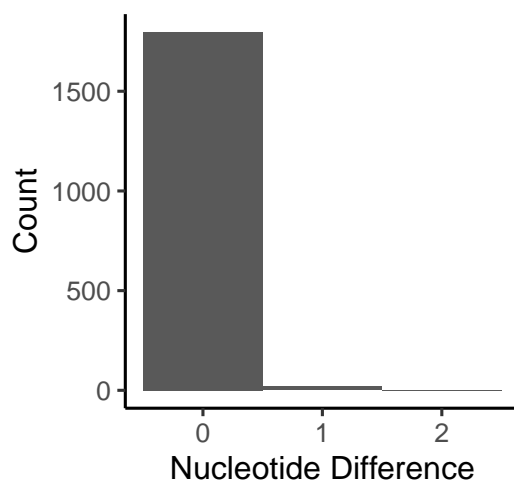
TRBV5-7*ap01

109 sequences assigned
105 (96.3%) exact matches, in which:
104 unique CDR3
12 unique J



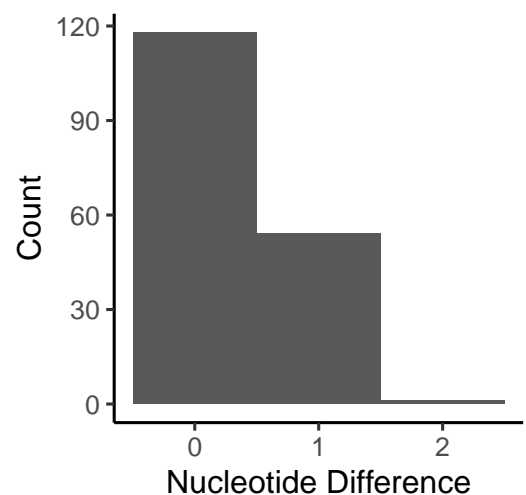
TRBV6-4*ap01

1820 sequences assigned
1797 (98.7%) exact matches, in which:
1780 unique CDR3
13 unique J



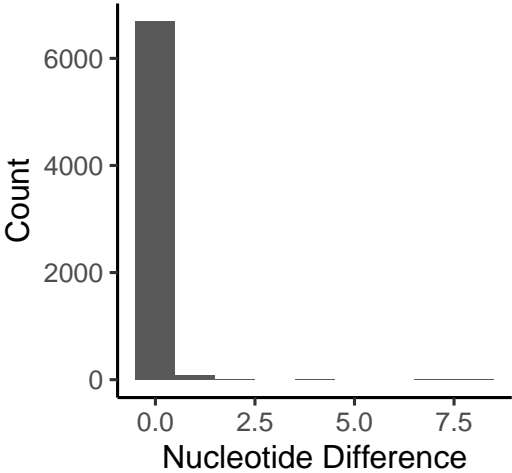
TRBV6-9*ap01

173 sequences assigned
118 (68.2%) exact matches, in which:
114 unique CDR3
13 unique J



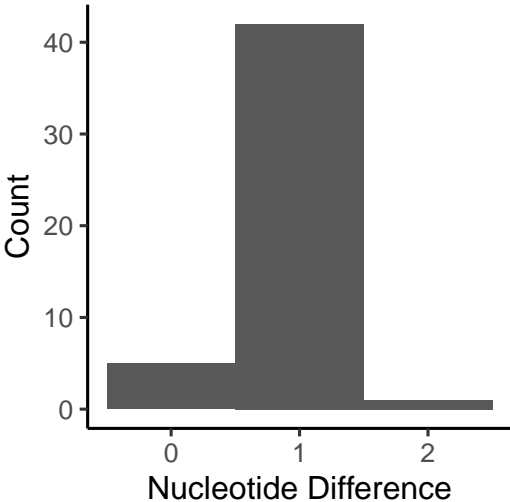
TRBV6-23*ap01

6776 sequences assigned
6690 (98.7%) exact matches, in which:
6573 unique CDR3
13 unique J



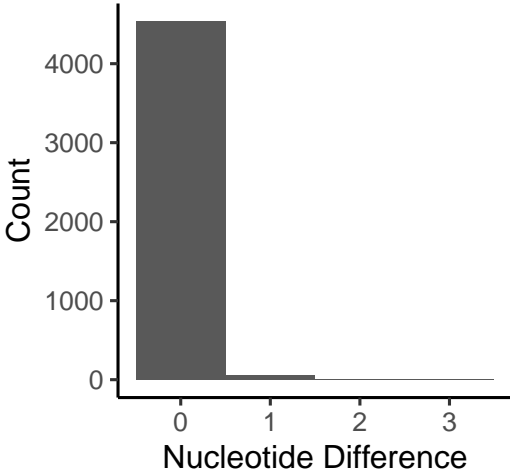
TRBV7-1*ap01_T296C

48 sequences assigned
5 (10.4%) exact matches, in which:
5 unique CDR3
4 unique J



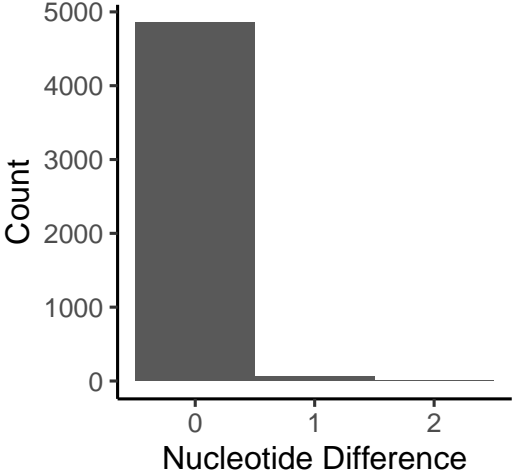
TRBV7-3*ap01

4591 sequences assigned
4535 (98.8%) exact matches, in which:
4479 unique CDR3
13 unique J



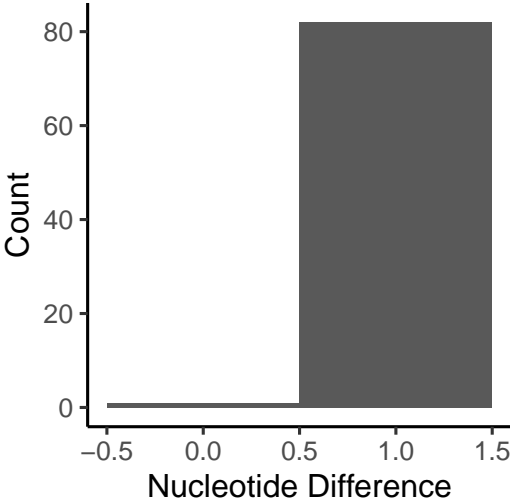
TRBV6-56*ap01

4914 sequences assigned
4853 (98.8%) exact matches, in which:
4760 unique CDR3
13 unique J



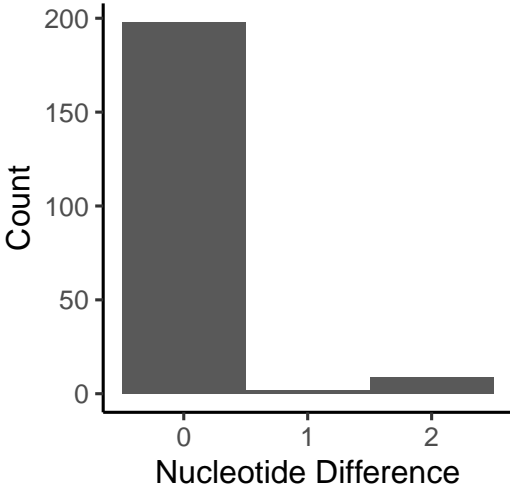
TRBV7-1*ap01_T296C_C

83 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



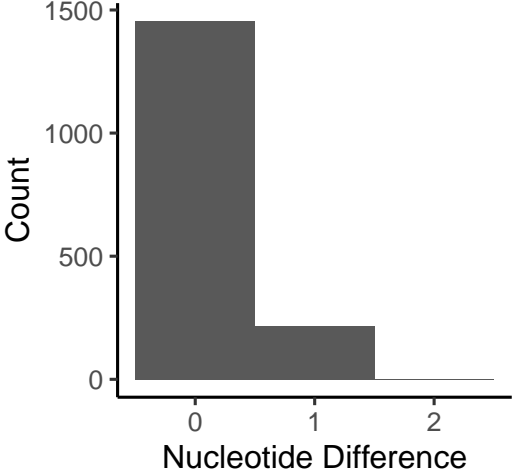
TRBV7-4*ap01

209 sequences assigned
198 (94.7%) exact matches, in which:
198 unique CDR3
13 unique J



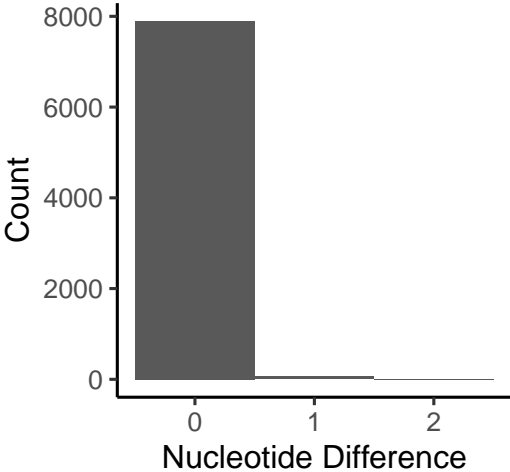
TRBV6-56*ap02

1673 sequences assigned
1455 (87%) exact matches, in which:
1428 unique CDR3
13 unique J



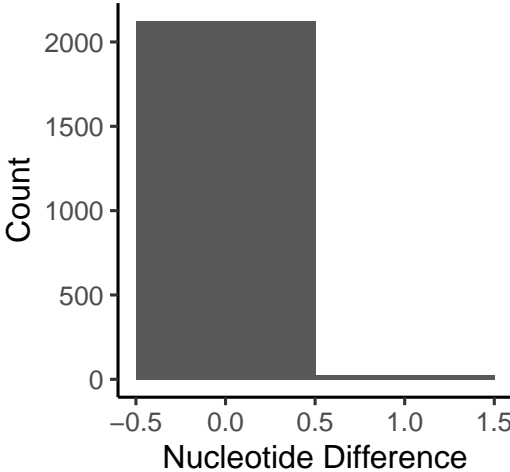
TRBV7-2*ap01

7955 sequences assigned
7896 (99.3%) exact matches, in which:
7781 unique CDR3
13 unique J



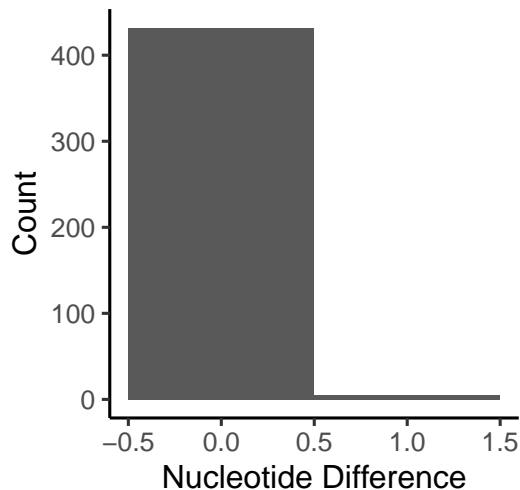
TRBV7-6*ap01

2148 sequences assigned
2124 (98.9%) exact matches, in which:
2089 unique CDR3
13 unique J



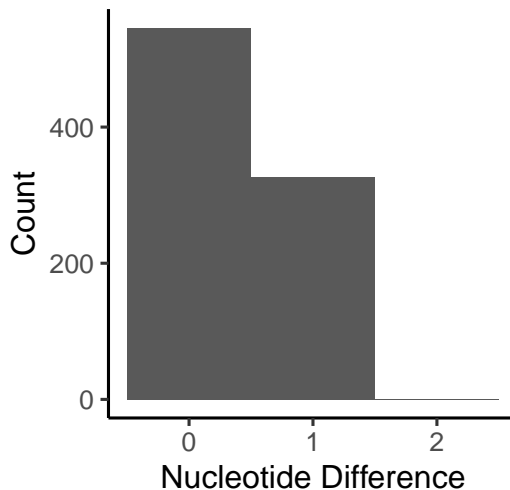
TRBV7-7*ap01

437 sequences assigned
432 (98.9%) exact matches, in which:
426 unique CDR3
13 unique J



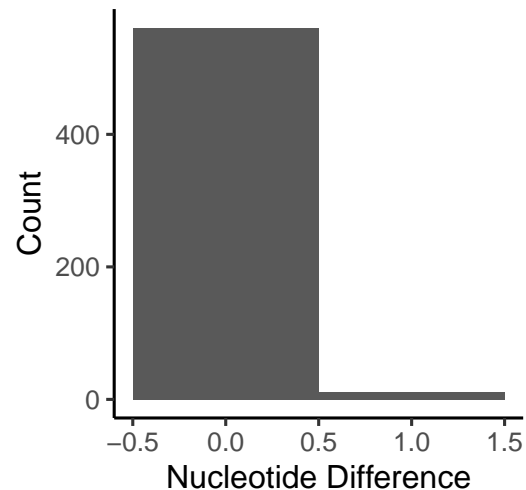
TRBV7-8*ap03

874 sequences assigned
546 (62.5%) exact matches, in which:
539 unique CDR3
13 unique J



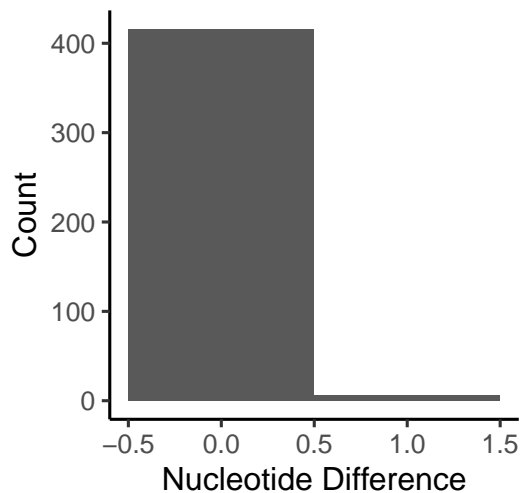
TRBV29-1*ap02

572 sequences assigned
561 (98.1%) exact matches, in which:
549 unique CDR3
13 unique J



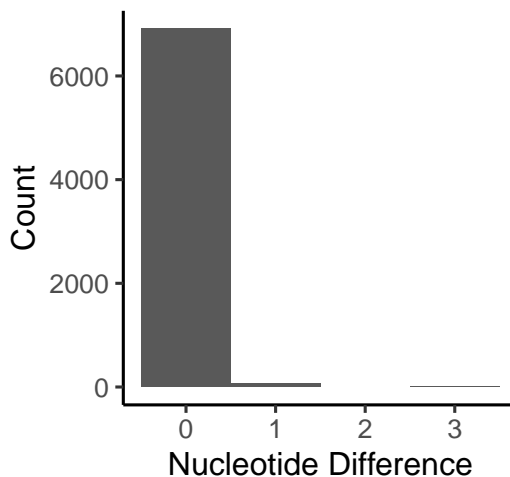
TRBV7-7*ap01_C315T

422 sequences assigned
416 (98.6%) exact matches, in which:
410 unique CDR3
13 unique J



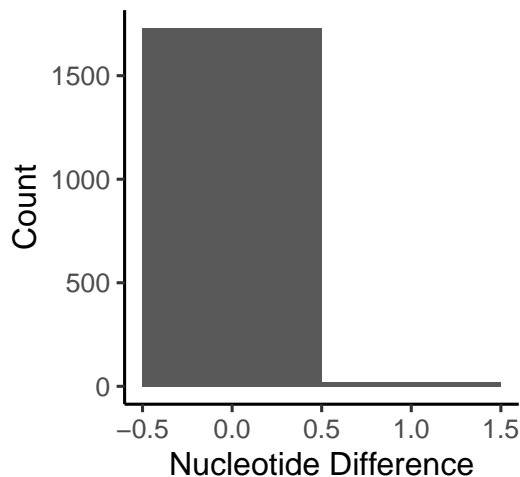
TRBV7-9*ap01

6979 sequences assigned
6911 (99%) exact matches, in which:
6802 unique CDR3
13 unique J



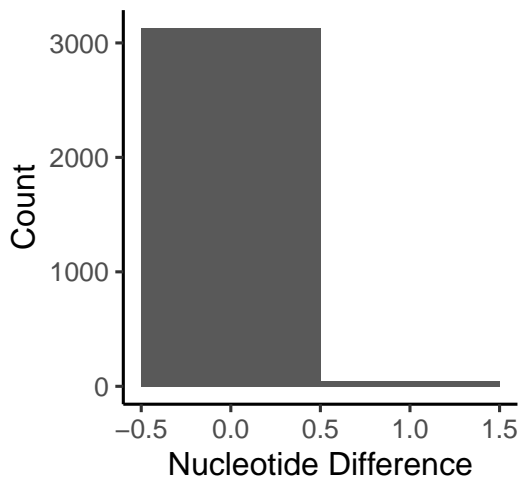
TRBV7-8*ap01

1750 sequences assigned
1730 (98.9%) exact matches, in which:
1703 unique CDR3
13 unique J

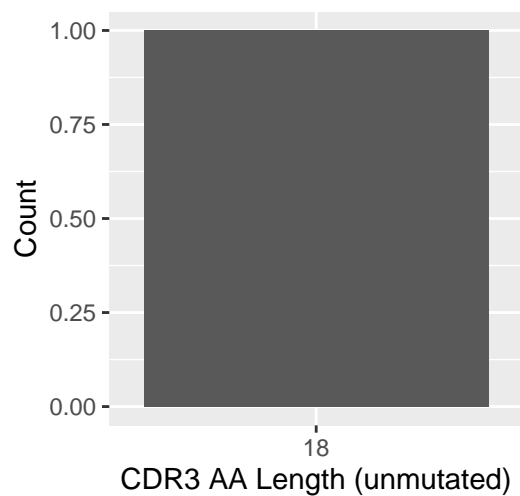


TRBV29-1*ap01

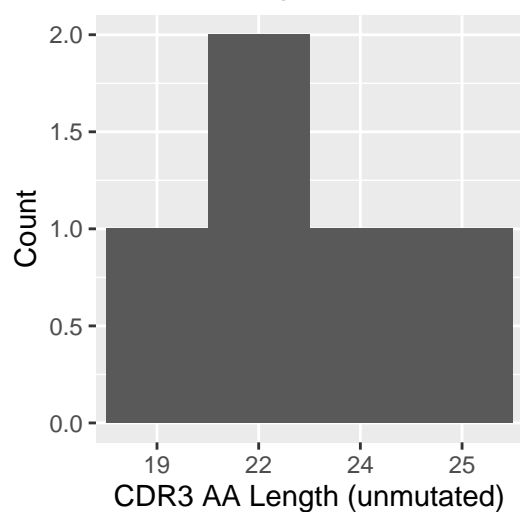
3177 sequences assigned
3130 (98.5%) exact matches, in which:
3077 unique CDR3
14 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

