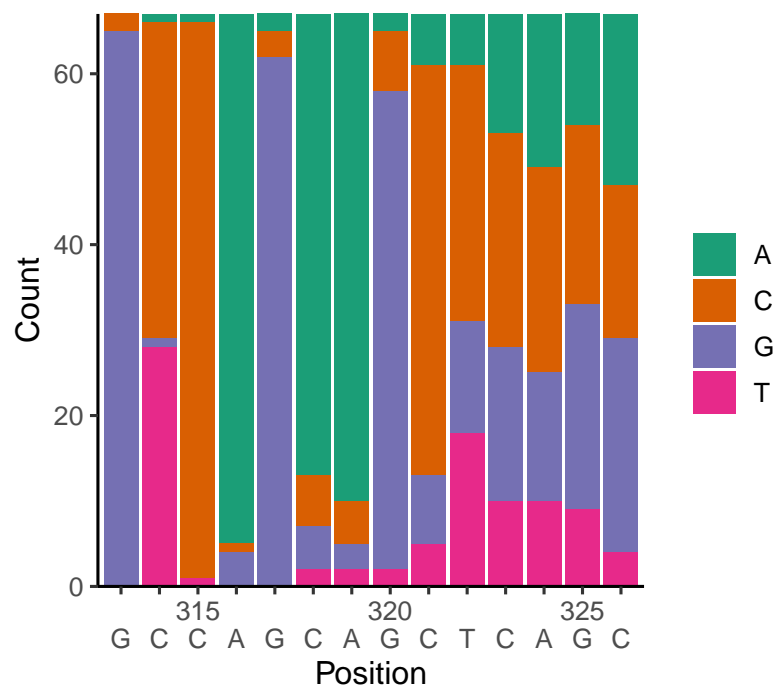
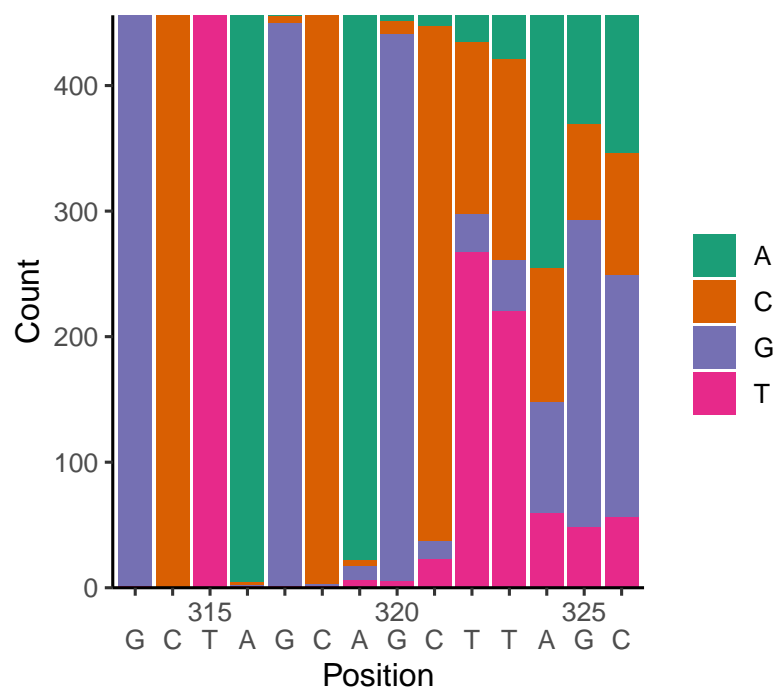


Gene TRBV7-1*ap01_T296C



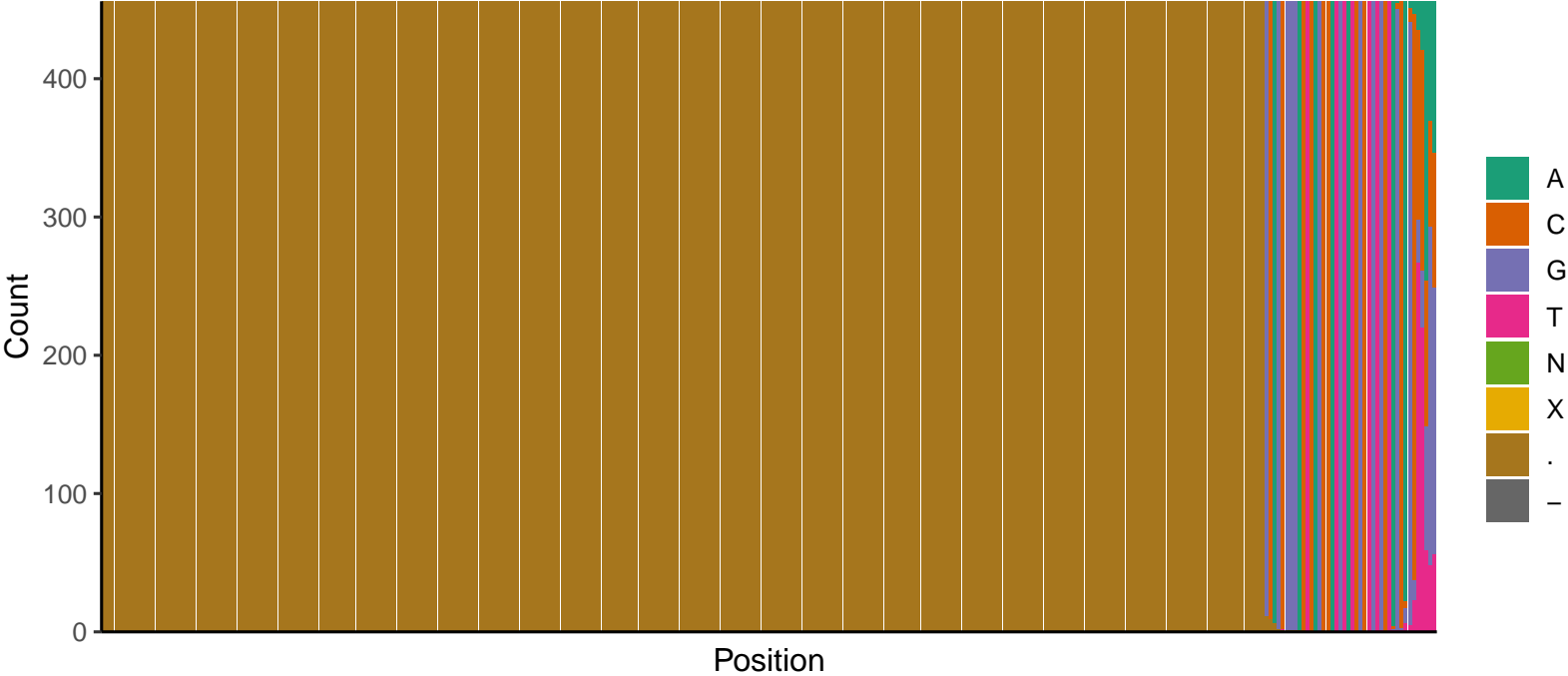
Gene TRBV7-7*ap01_C315T



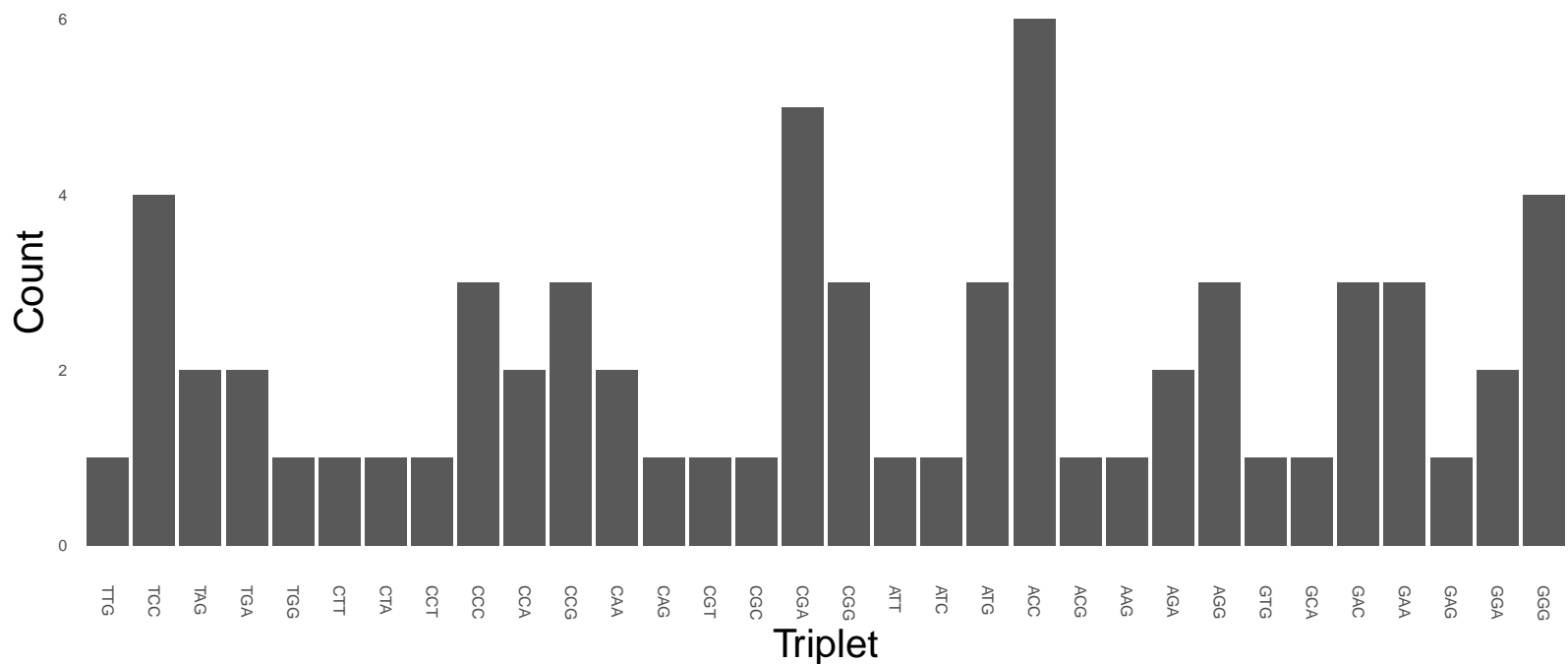
Gene TRBV7-1*ap01_T296C



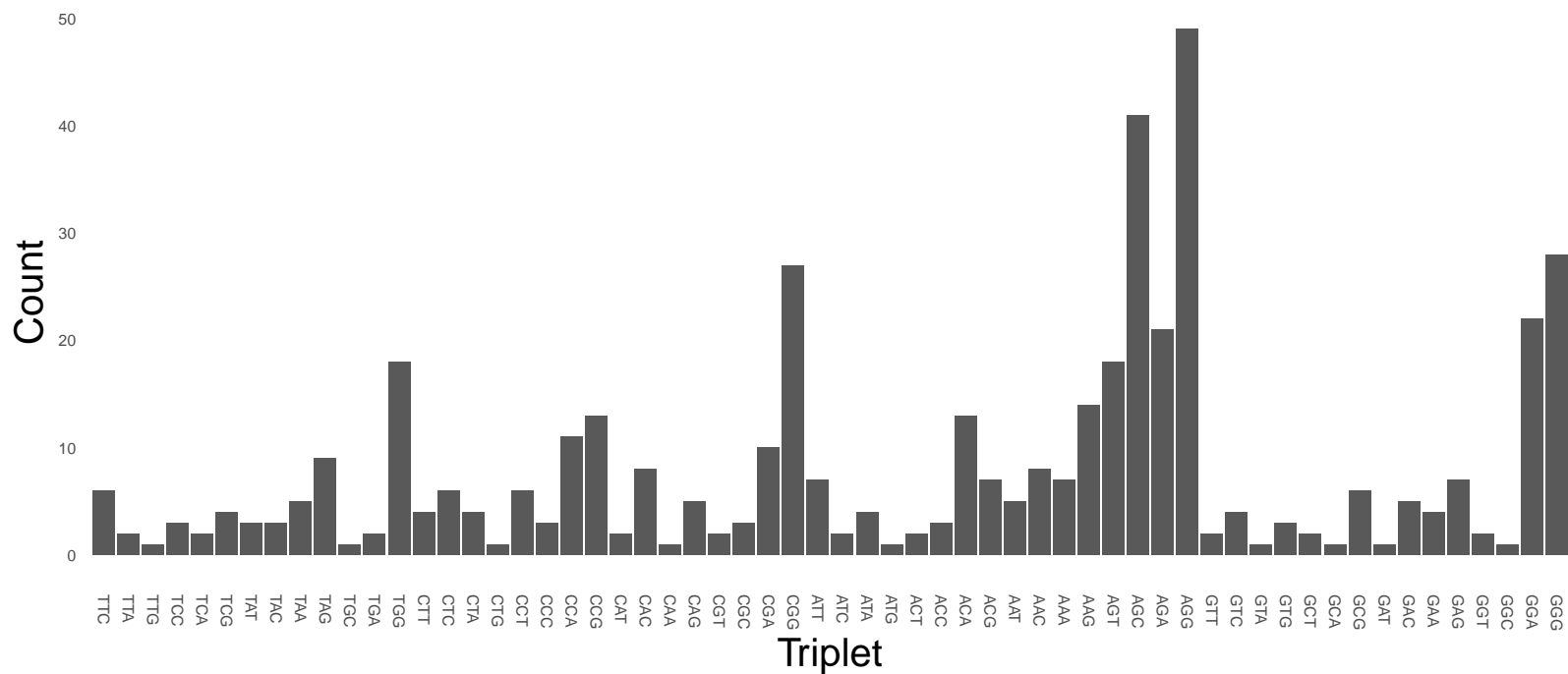
Gene TRBV7-7*ap01_C315T



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

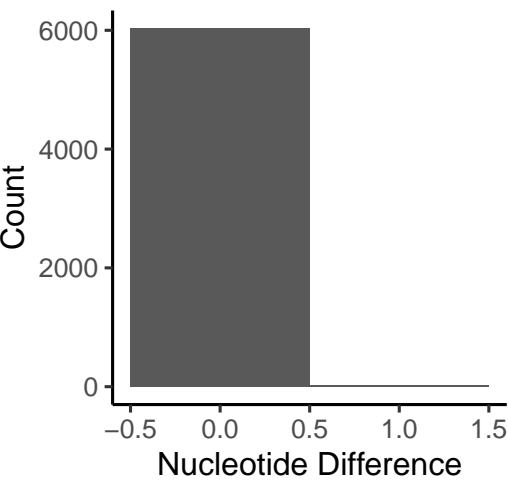


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



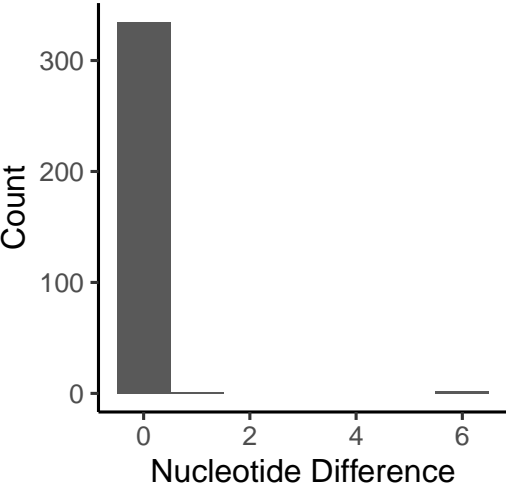
TRBV20-1*ap01

6055 sequences assigned
6032 (99.6%) exact matches, in which:
5998 unique CDR3
13 unique J



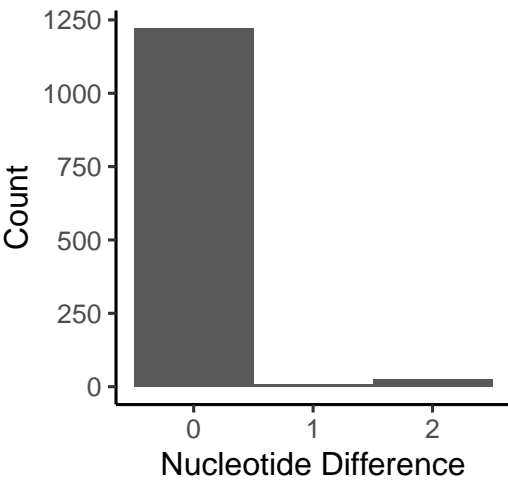
TRBV10-2*ap01

338 sequences assigned
335 (99.1%) exact matches, in which:
331 unique CDR3
13 unique J



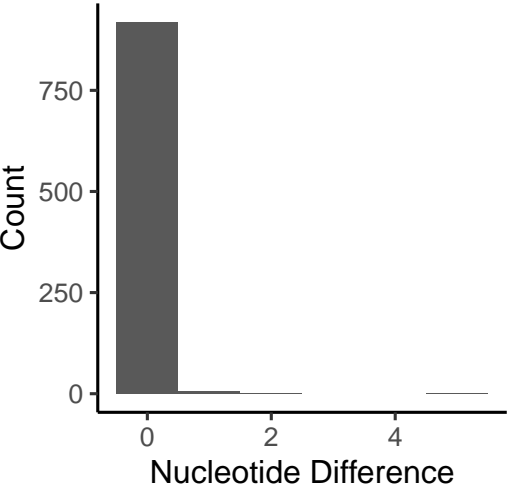
TRBV13*ap01

1254 sequences assigned
1221 (97.4%) exact matches, in which:
1207 unique CDR3
13 unique J



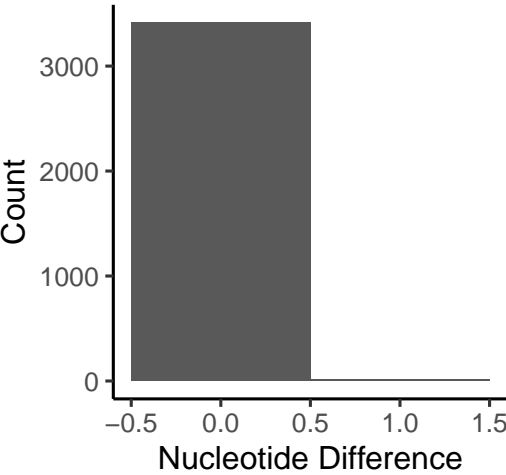
TRBV10-1*ap01

926 sequences assigned
919 (99.2%) exact matches, in which:
916 unique CDR3
13 unique J



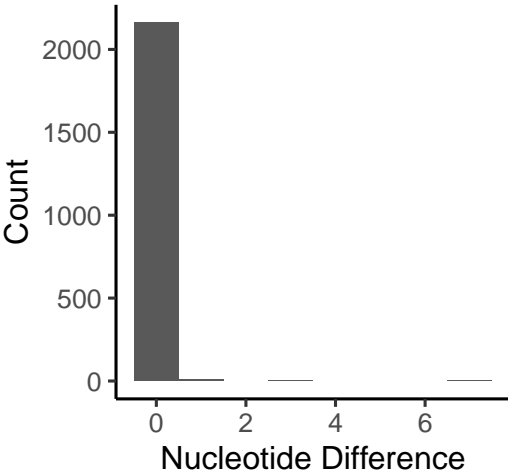
TRBV10-3*ap01

3431 sequences assigned
3413 (99.5%) exact matches, in which:
3384 unique CDR3
13 unique J



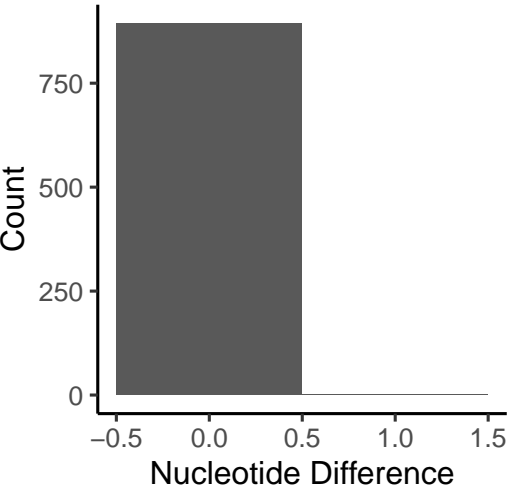
TRBV14*ap01

2171 sequences assigned
2161 (99.5%) exact matches, in which:
2150 unique CDR3
13 unique J



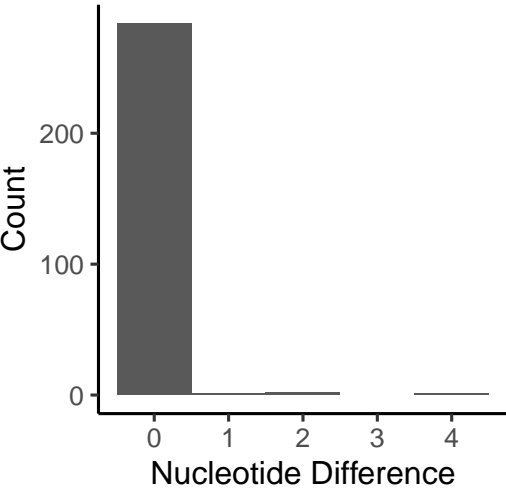
TRBV20-1*ap02

895 sequences assigned
894 (99.9%) exact matches, in which:
893 unique CDR3
13 unique J



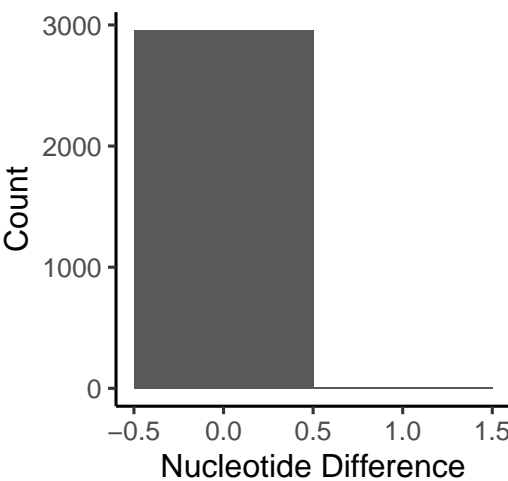
TRBV1*ap01

288 sequences assigned
284 (98.6%) exact matches, in which:
279 unique CDR3
13 unique J



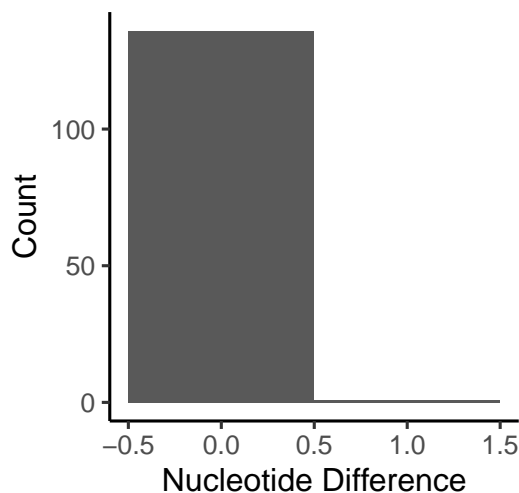
TRBV15*ap02

2967 sequences assigned
2958 (99.7%) exact matches, in which:
2938 unique CDR3
13 unique J



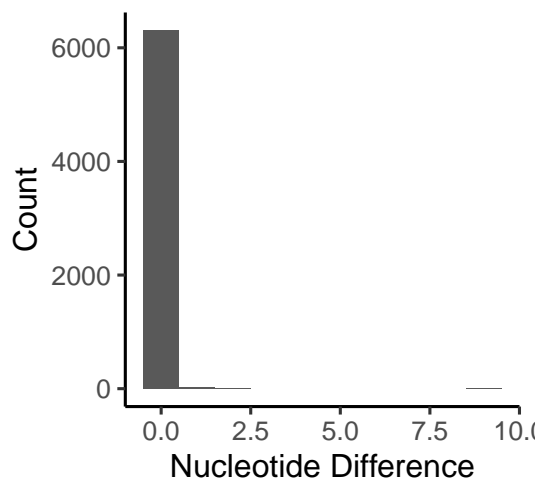
TRBV16*ap01

137 sequences assigned
136 (99.3%) exact matches, in which:
136 unique CDR3
12 unique J



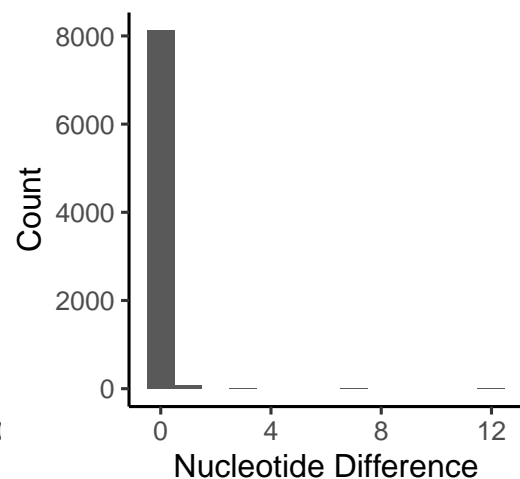
TRBV2*ap01

6329 sequences assigned
6306 (99.6%) exact matches, in which:
6280 unique CDR3
13 unique J



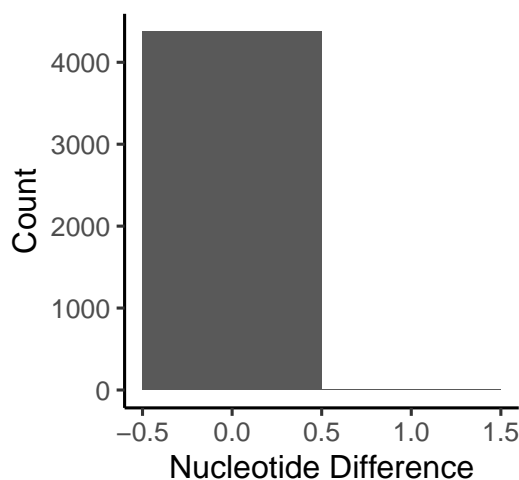
TRBV30*ap01

8221 sequences assigned
8125 (98.8%) exact matches, in which:
7996 unique CDR3
13 unique J



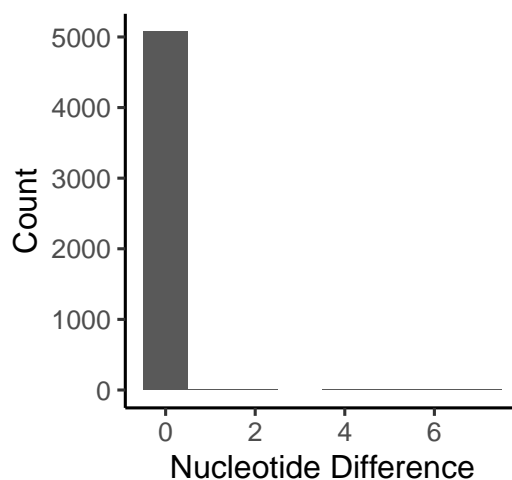
TRBV18*ap01

4385 sequences assigned
4373 (99.7%) exact matches, in which:
4362 unique CDR3
13 unique J



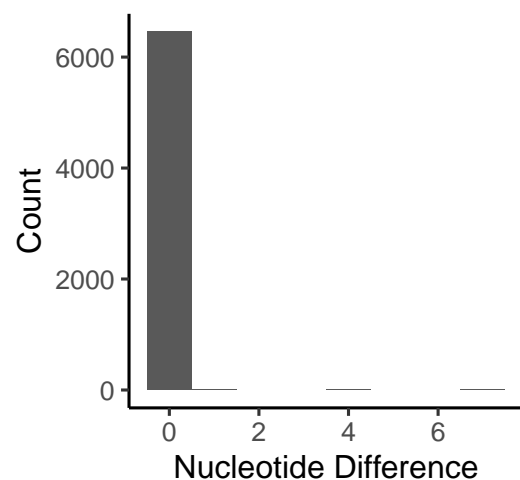
TRBV27*ap01

5091 sequences assigned
5074 (99.7%) exact matches, in which:
5039 unique CDR3
13 unique J



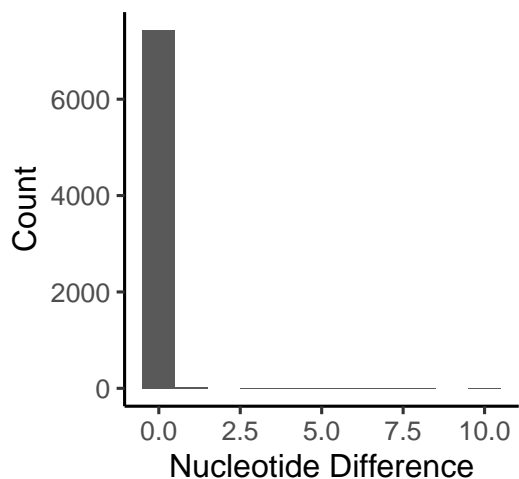
TRBV9*ap01

6471 sequences assigned
6457 (99.8%) exact matches, in which:
6435 unique CDR3
13 unique J



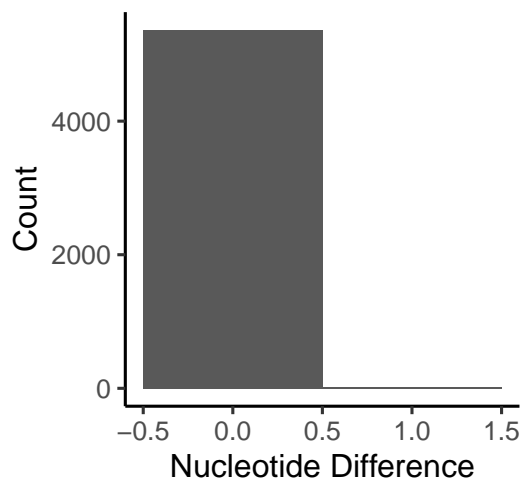
TRBV19*ap01

7475 sequences assigned
7435 (99.5%) exact matches, in which:
7414 unique CDR3
13 unique J



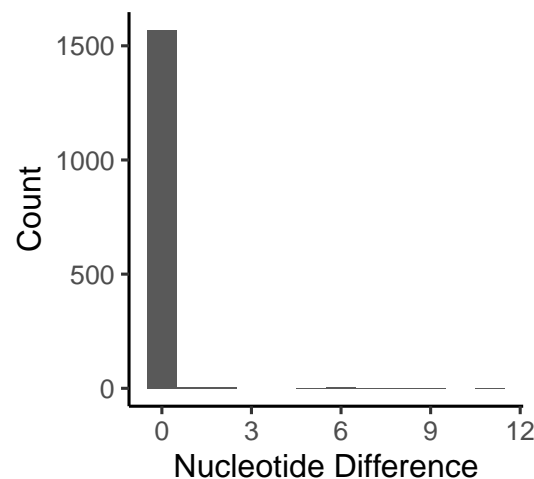
TRBV28*ap01

5380 sequences assigned
5364 (99.7%) exact matches, in which:
5339 unique CDR3
13 unique J



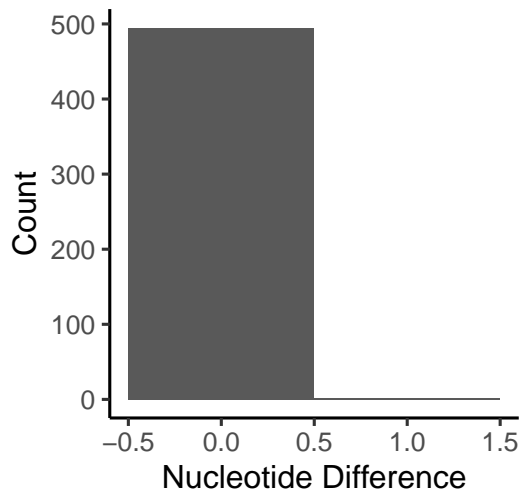
TRBV21-1*ap01

1595 sequences assigned
1569 (98.4%) exact matches, in which:
1564 unique CDR3
13 unique J



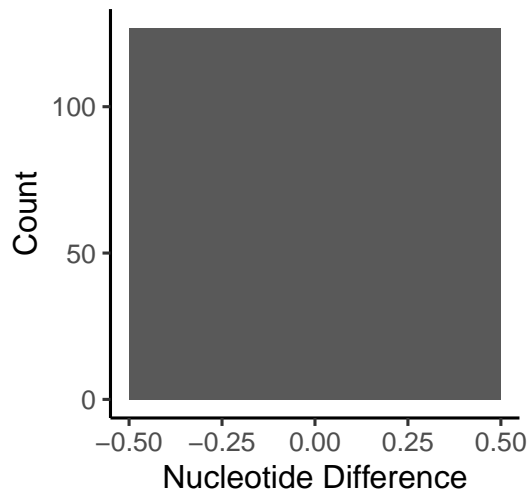
TRBV11-1*ap01

497 sequences assigned
495 (99.6%) exact matches, in which:
494 unique CDR3
13 unique J



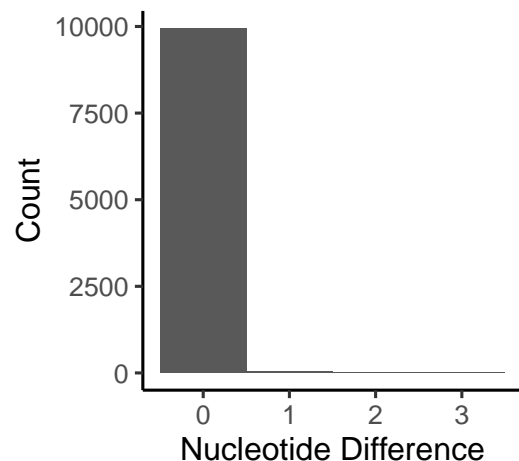
TRBV12-1*ap01

127 sequences assigned
127 (100%) exact matches, in which:
127 unique CDR3
13 unique J



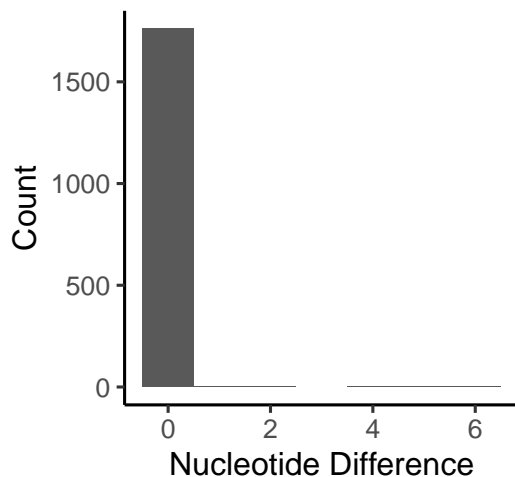
TRBV12-34*ap01

9988 sequences assigned
9952 (99.6%) exact matches, in which:
9906 unique CDR3
13 unique J



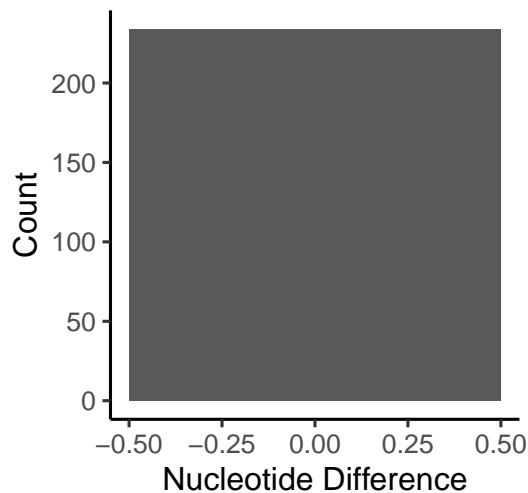
TRBV11-2*ap01

1767 sequences assigned
1761 (99.7%) exact matches, in which:
1756 unique CDR3
13 unique J



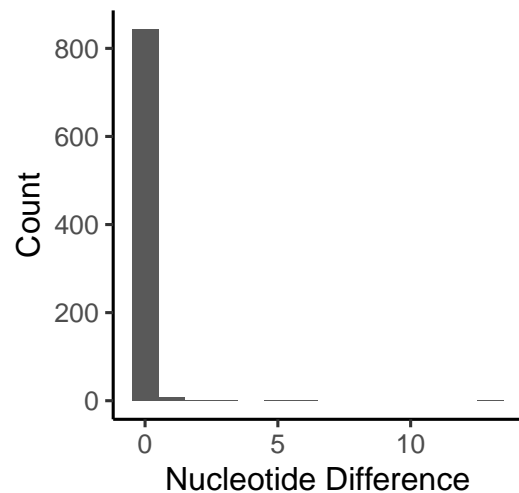
TRBV12-2*ap01

234 sequences assigned
234 (100%) exact matches, in which:
233 unique CDR3
13 unique J



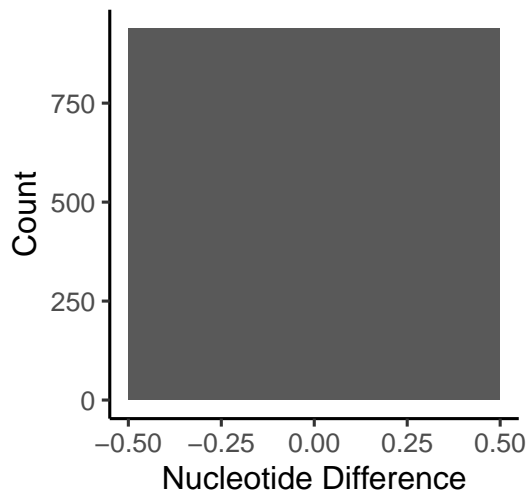
TRBV23-1*ap01

858 sequences assigned
844 (98.4%) exact matches, in which:
839 unique CDR3
13 unique J



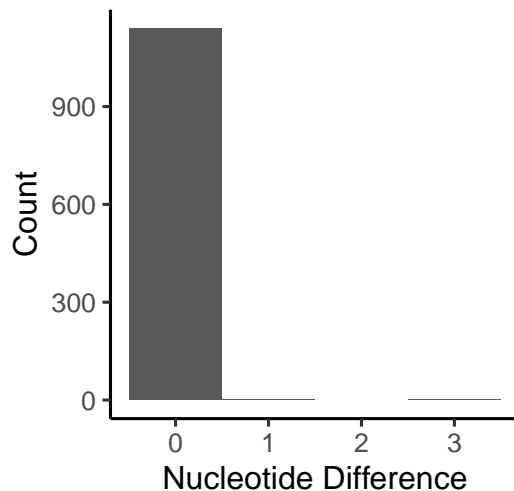
TRBV11-3*ap01

939 sequences assigned
939 (100%) exact matches, in which:
937 unique CDR3
13 unique J



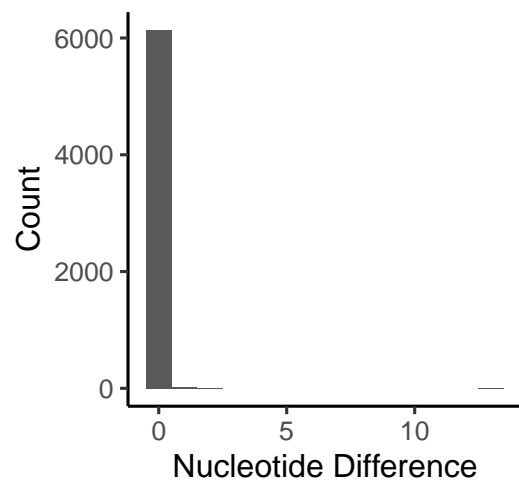
TRBV12-5*ap01

1144 sequences assigned
1140 (99.7%) exact matches, in which:
1136 unique CDR3
13 unique J



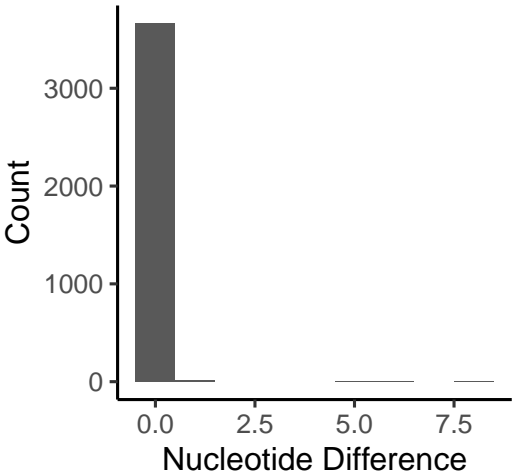
TRBV3-12*ap01

6159 sequences assigned
6136 (99.6%) exact matches, in which:
6120 unique CDR3
13 unique J



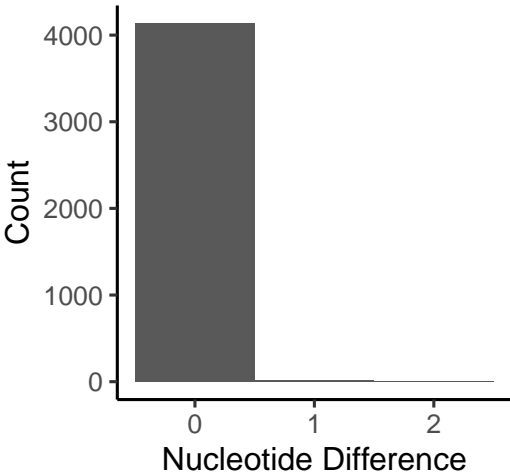
TRBV24-1*ap01

3688 sequences assigned
3663 (99.3%) exact matches, in which:
3646 unique CDR3
13 unique J



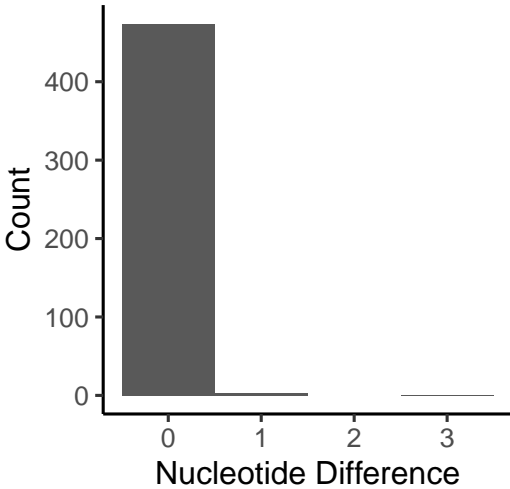
TRBV4-3*ap01

4157 sequences assigned
4135 (99.5%) exact matches, in which:
4098 unique CDR3
13 unique J



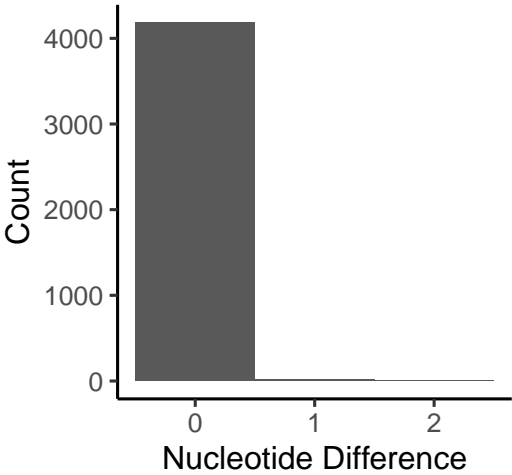
TRBV5-3*ap01

478 sequences assigned
474 (99.2%) exact matches, in which:
471 unique CDR3
13 unique J



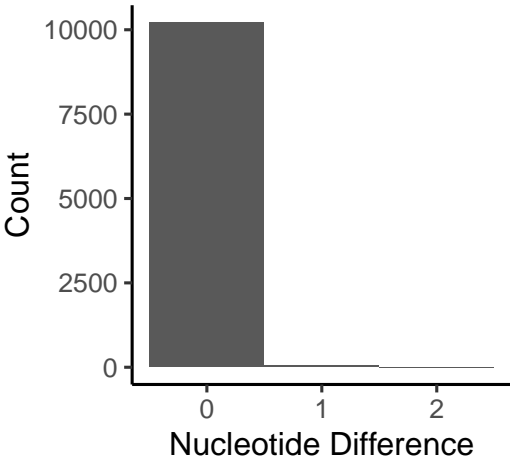
TRBV4-1*ap01

4204 sequences assigned
4182 (99.5%) exact matches, in which:
4148 unique CDR3
13 unique J



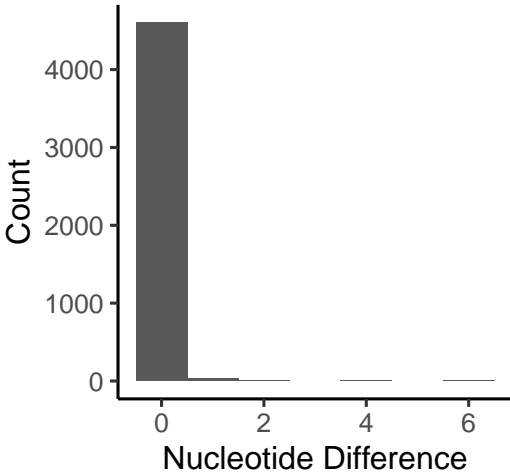
TRBV5-1*ap01

10264 sequences assigned
10216 (99.5%) exact matches, in which:
10121 unique CDR3
13 unique J



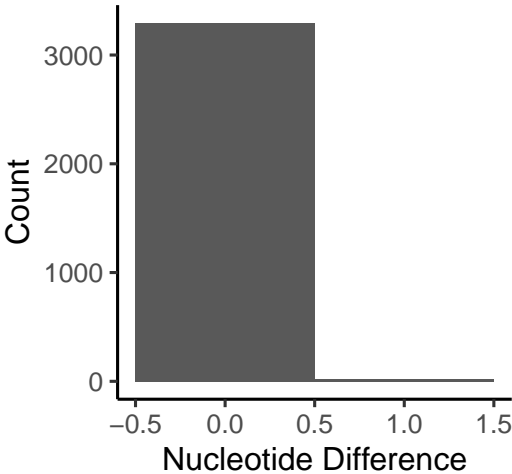
TRBV5-4*ap01

4637 sequences assigned
4602 (99.2%) exact matches, in which:
4565 unique CDR3
13 unique J



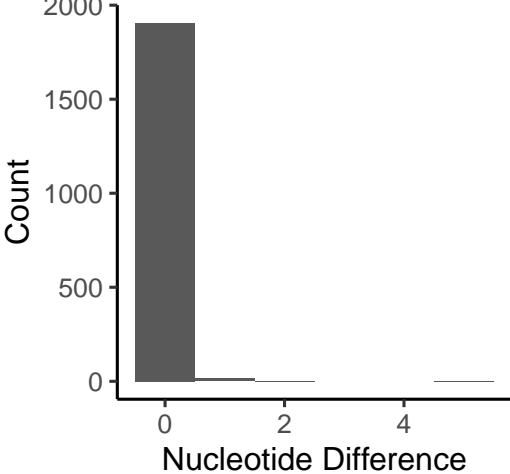
TRBV4-2*ap01

3318 sequences assigned
3294 (99.3%) exact matches, in which:
3262 unique CDR3
13 unique J



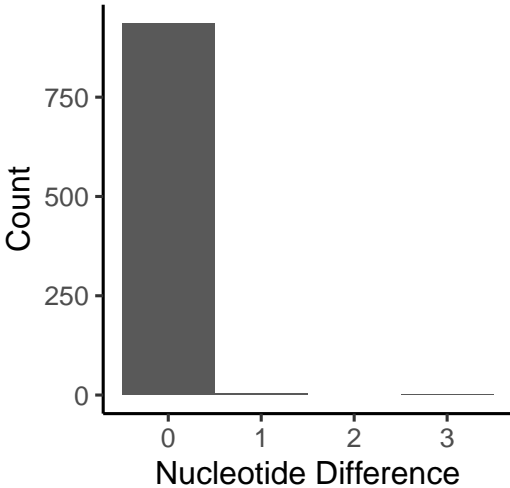
TRBV25-1*ap01

1924 sequences assigned
1905 (99%) exact matches, in which:
1892 unique CDR3
13 unique J



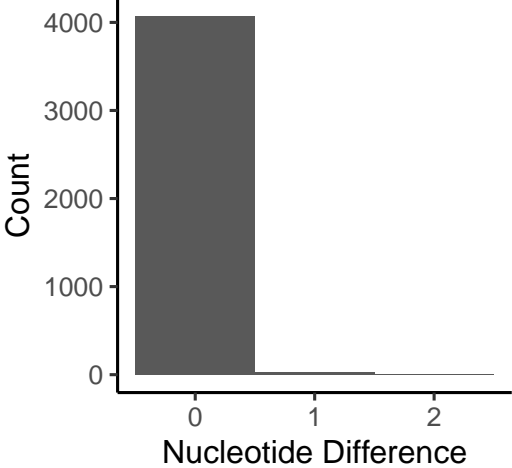
TRBV5-5*ap01

940 sequences assigned
936 (99.6%) exact matches, in which:
934 unique CDR3
13 unique J



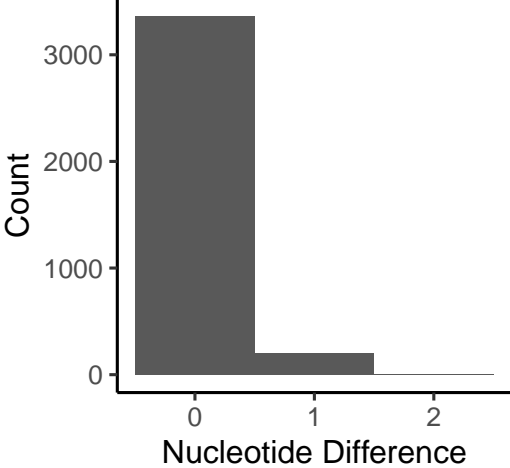
TRBV5-6*ap01

4101 sequences assigned
4068 (99.2%) exact matches, in which:
4017 unique CDR3
13 unique J



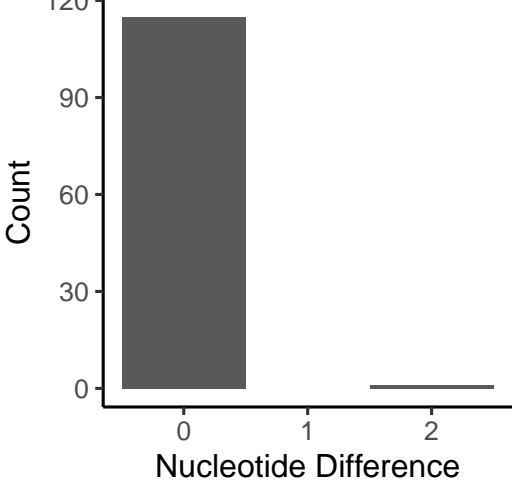
TRBV6-1*ap01

3558 sequences assigned
3360 (94.4%) exact matches, in which:
3325 unique CDR3
13 unique J



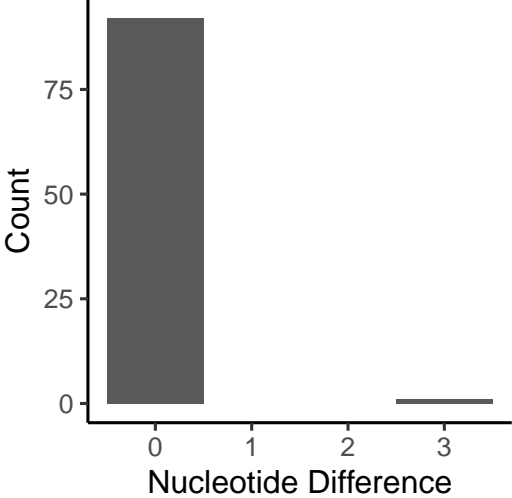
TRBV6-8*ap01

116 sequences assigned
115 (99.1%) exact matches, in which:
114 unique CDR3
11 unique J



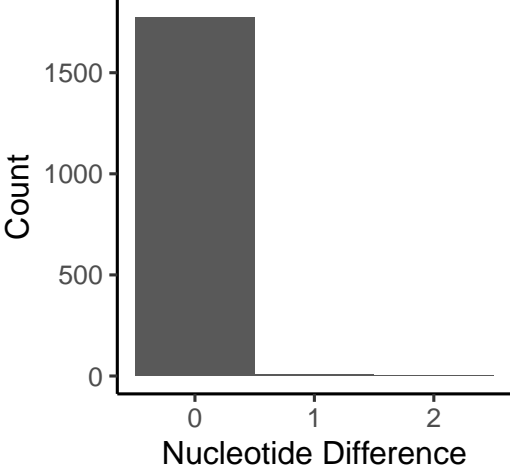
TRBV5-7*ap01

93 sequences assigned
92 (98.9%) exact matches, in which:
89 unique CDR3
12 unique J



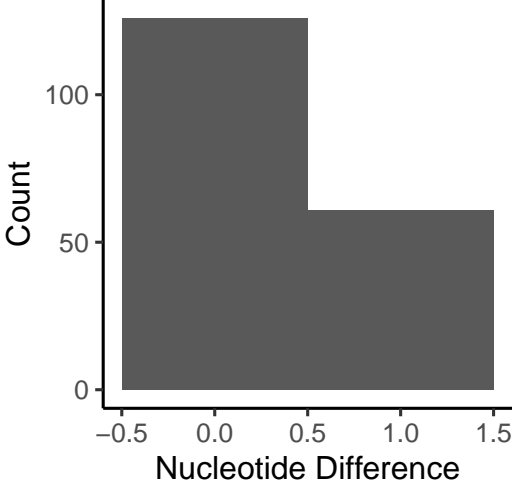
TRBV6-4*ap01

1781 sequences assigned
1772 (99.5%) exact matches, in which:
1762 unique CDR3
13 unique J



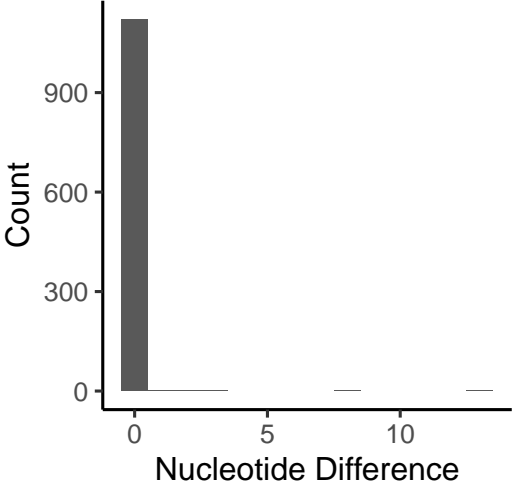
TRBV6-9*ap01

187 sequences assigned
126 (67.4%) exact matches, in which:
125 unique CDR3
13 unique J



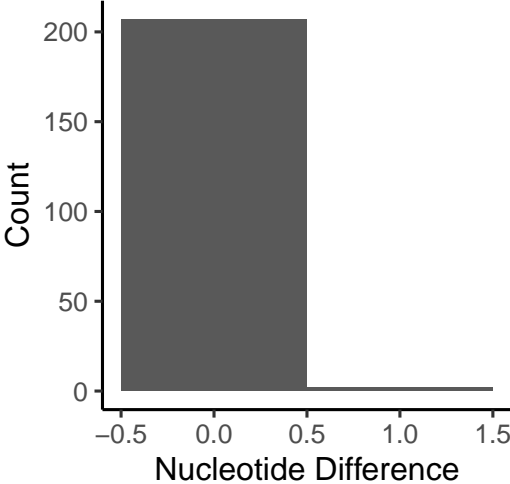
TRBV5-8*ap01

1129 sequences assigned
1121 (99.3%) exact matches, in which:
1107 unique CDR3
13 unique J



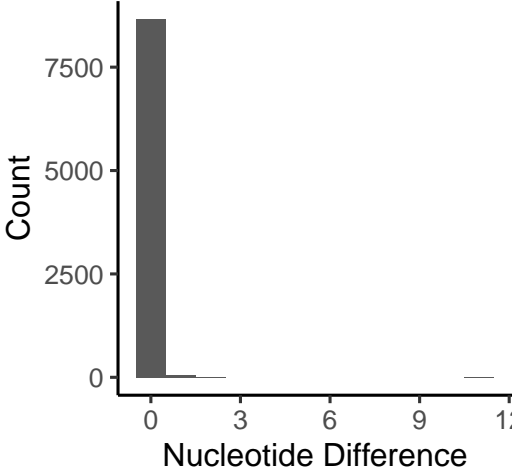
TRBV6-7*ap01

209 sequences assigned
207 (99%) exact matches, in which:
205 unique CDR3
12 unique J



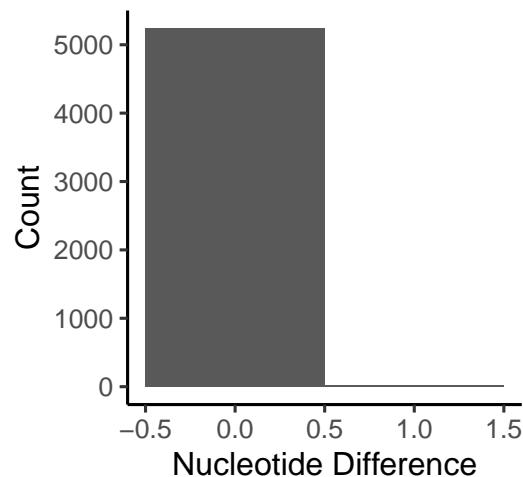
TRBV6-23*ap01

8716 sequences assigned
8663 (99.4%) exact matches, in which:
8570 unique CDR3
13 unique J



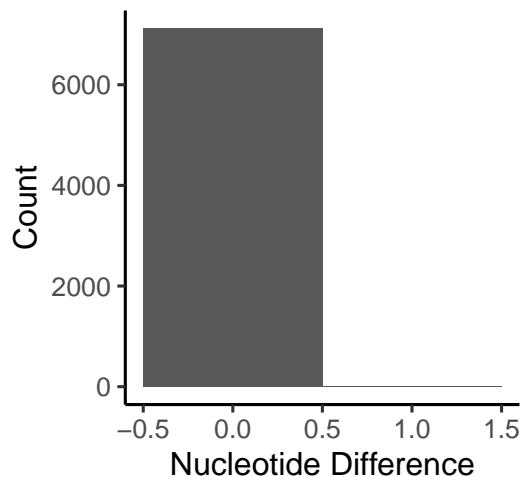
TRBV6-56*ap01

5263 sequences assigned
5239 (99.5%) exact matches, in which:
5194 unique CDR3
13 unique J



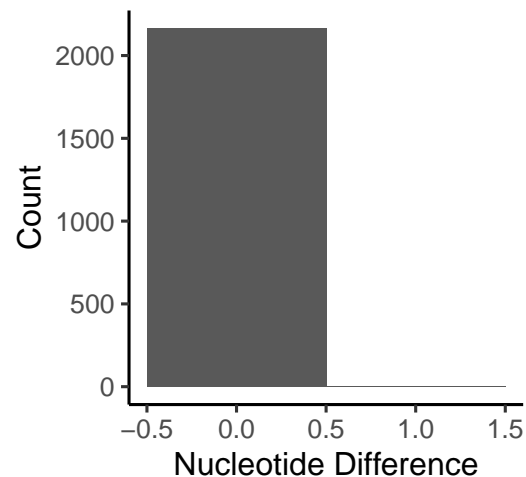
TRBV7-2*ap01

7139 sequences assigned
7120 (99.7%) exact matches, in which:
7089 unique CDR3
13 unique J



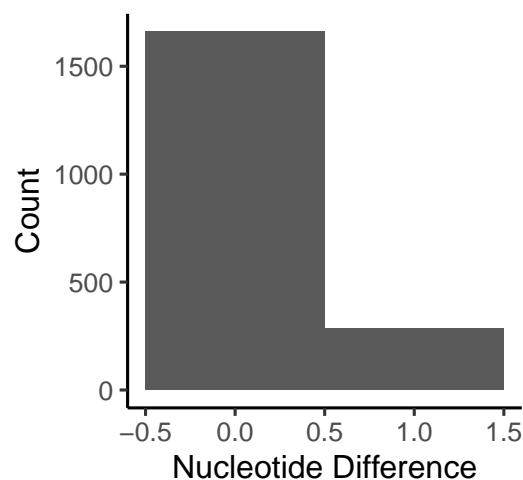
TRBV7-6*ap01

2169 sequences assigned
2164 (99.8%) exact matches, in which:
2158 unique CDR3
13 unique J



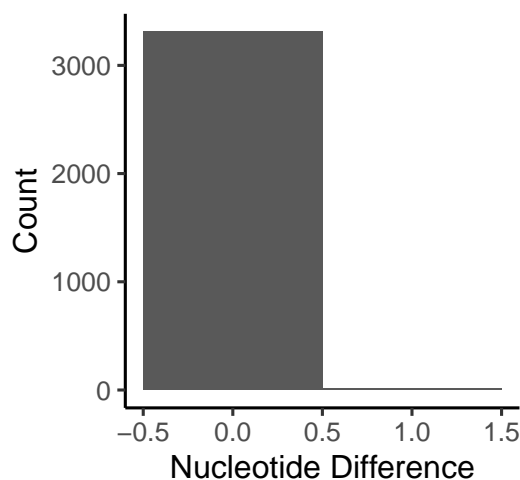
TRBV6-56*ap02

1944 sequences assigned
1660 (85.4%) exact matches, in which:
1641 unique CDR3
13 unique J



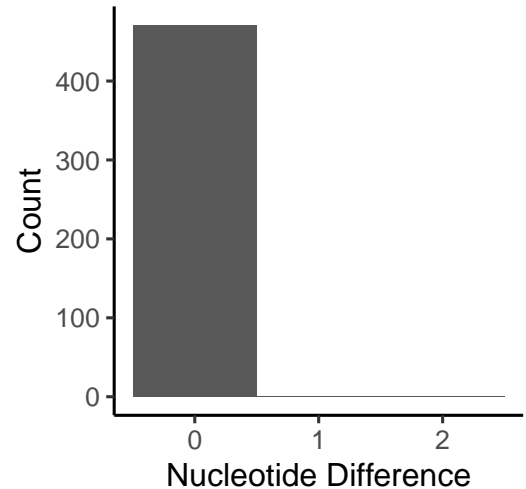
TRBV7-3*ap01

3322 sequences assigned
3311 (99.7%) exact matches, in which:
3298 unique CDR3
13 unique J



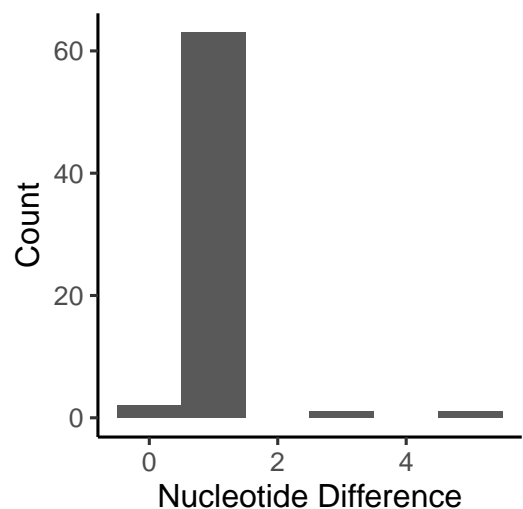
TRBV7-7*ap01

473 sequences assigned
471 (99.6%) exact matches, in which:
466 unique CDR3
13 unique J



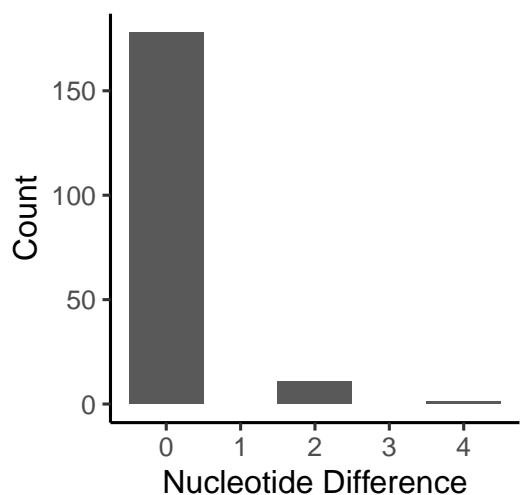
TRBV7-1*ap01_T296C

67 sequences assigned
2 (3%) exact matches, in which:
2 unique CDR3
2 unique J



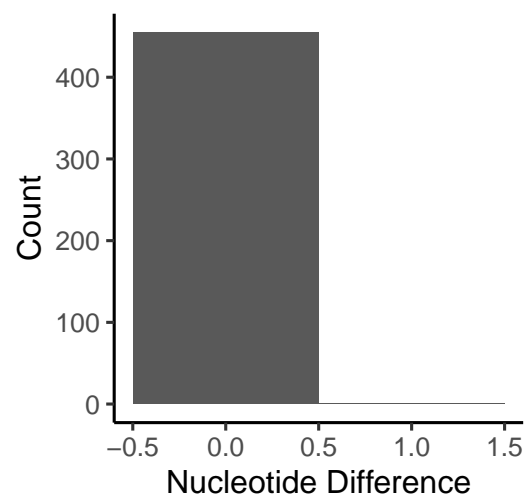
TRBV7-4*ap01

190 sequences assigned
178 (93.7%) exact matches, in which:
178 unique CDR3
12 unique J



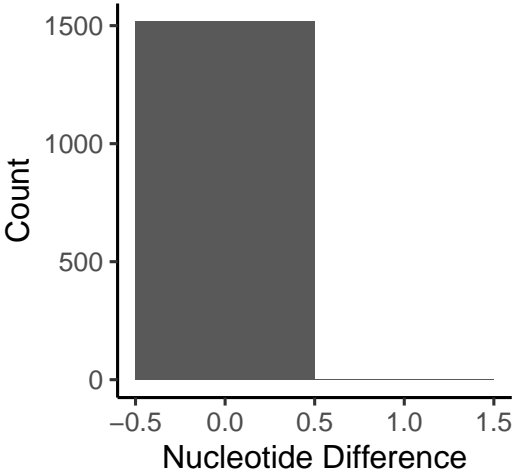
TRBV7-7*ap01_C315T

456 sequences assigned
455 (99.8%) exact matches, in which:
450 unique CDR3
13 unique J



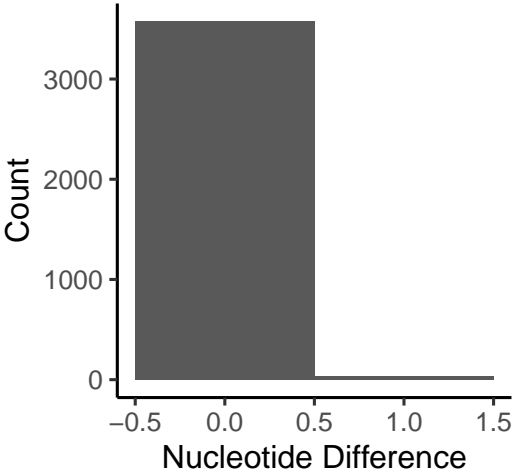
TRBV7-8*ap01

1522 sequences assigned
1518 (99.7%) exact matches, in which:
1511 unique CDR3
13 unique J



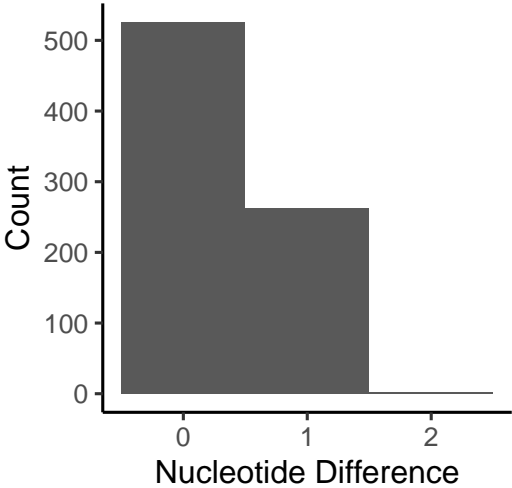
TRBV29-1*ap01

3610 sequences assigned
3575 (99%) exact matches, in which:
3507 unique CDR3
13 unique J



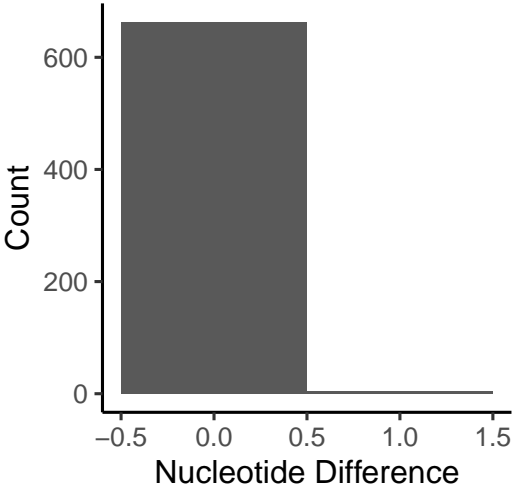
TRBV7-8*ap03

790 sequences assigned
526 (66.6%) exact matches, in which:
522 unique CDR3
13 unique J



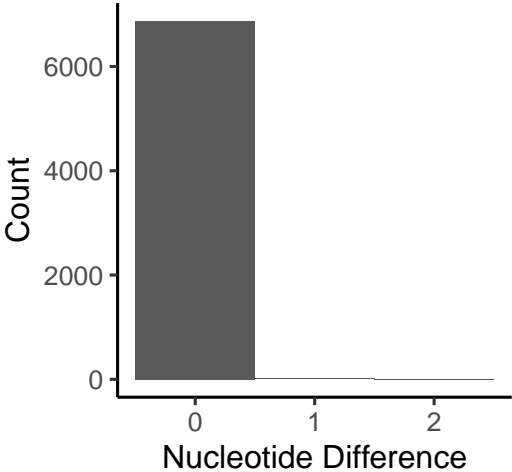
TRBV29-1*ap02

667 sequences assigned
663 (99.4%) exact matches, in which:
658 unique CDR3
13 unique J

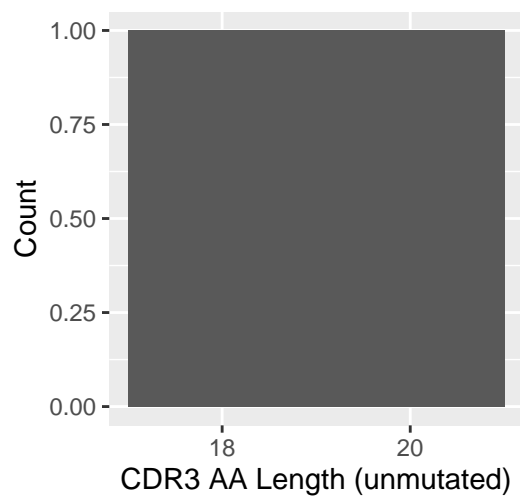


TRBV7-9*ap01

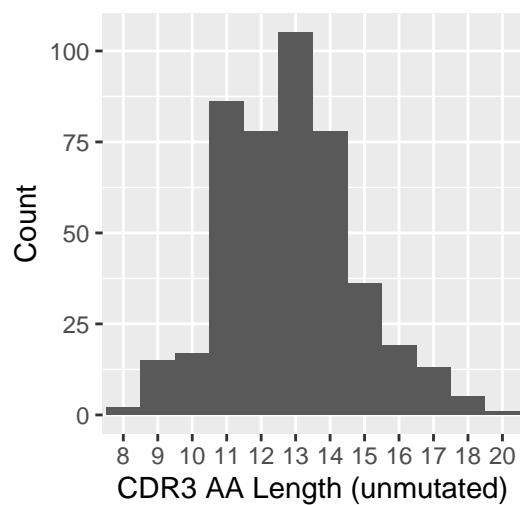
6887 sequences assigned
6871 (99.8%) exact matches, in which:
6838 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]