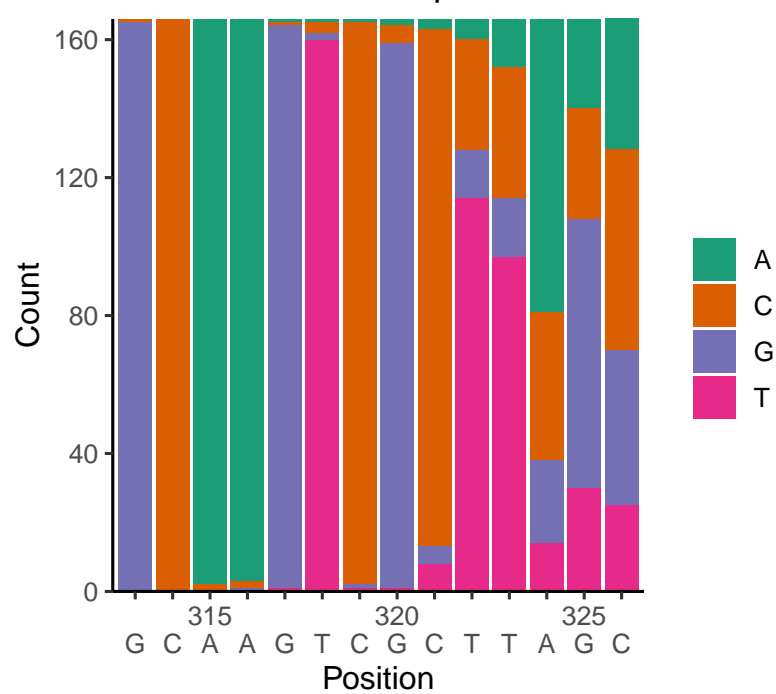
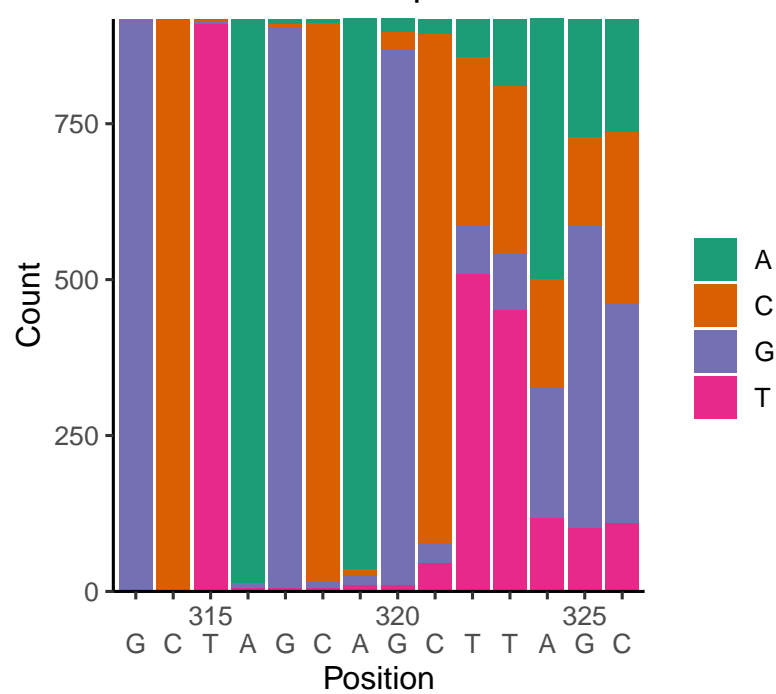


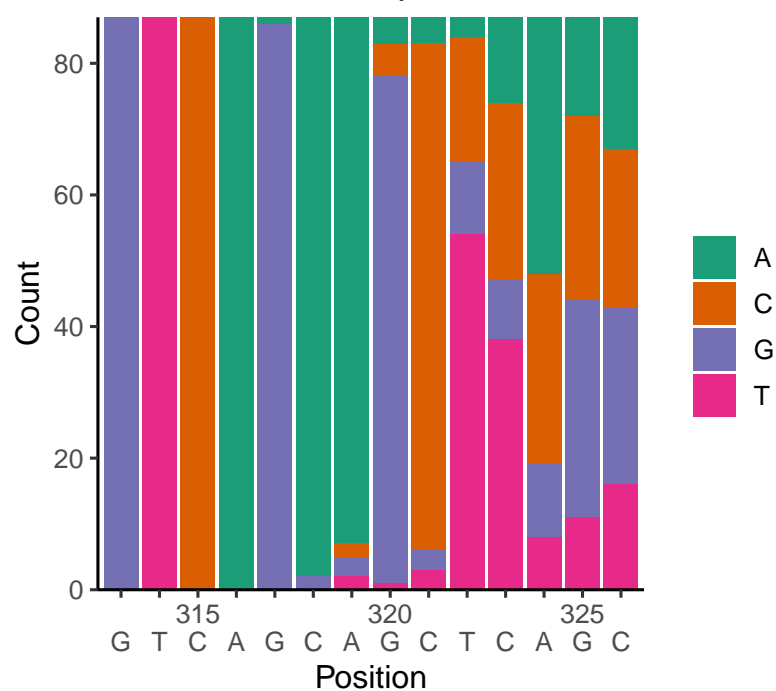
Gene TRBV12-2*ap01_G301A



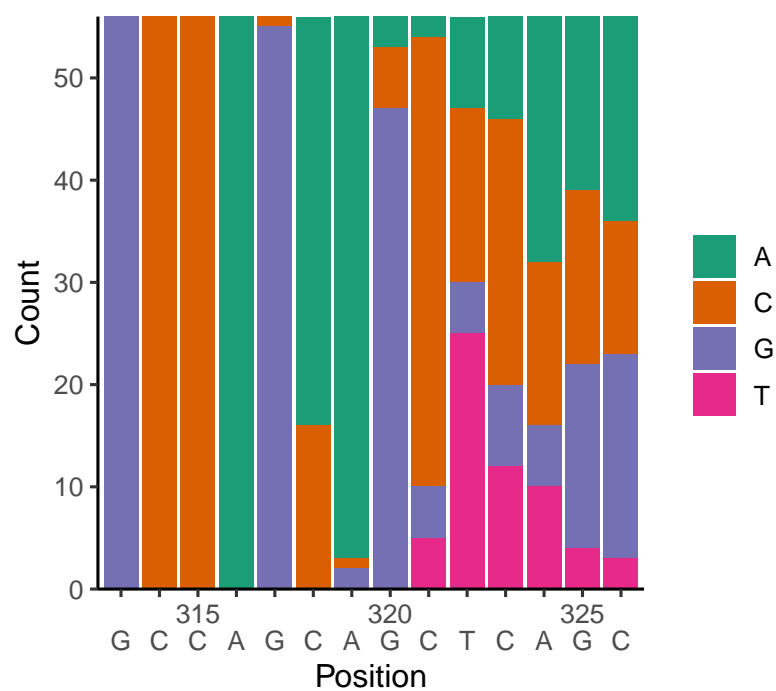
Gene TRBV7-7*ap01_C315T



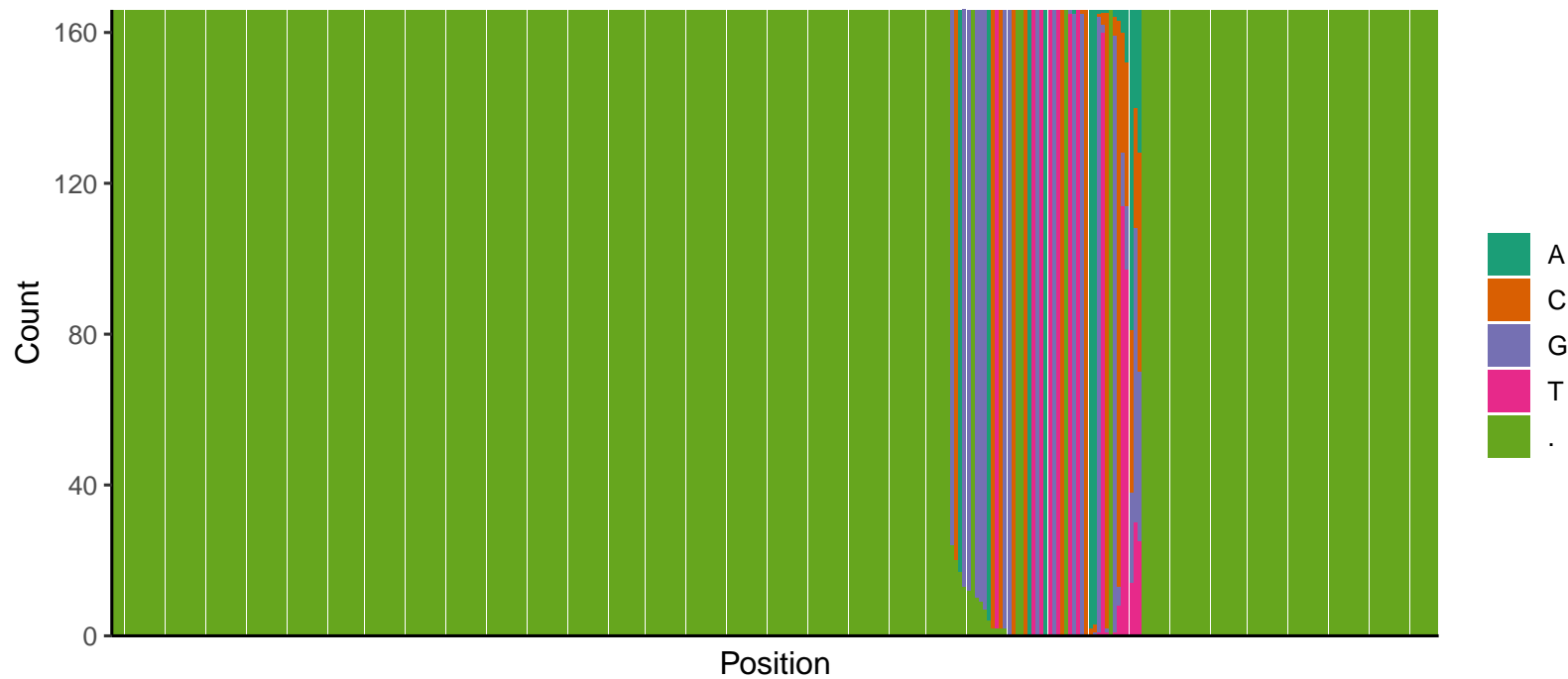
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



Gene TRBV12-2*ap01_G301A



Gene TRBV7-1*ap01_T296C_C314T



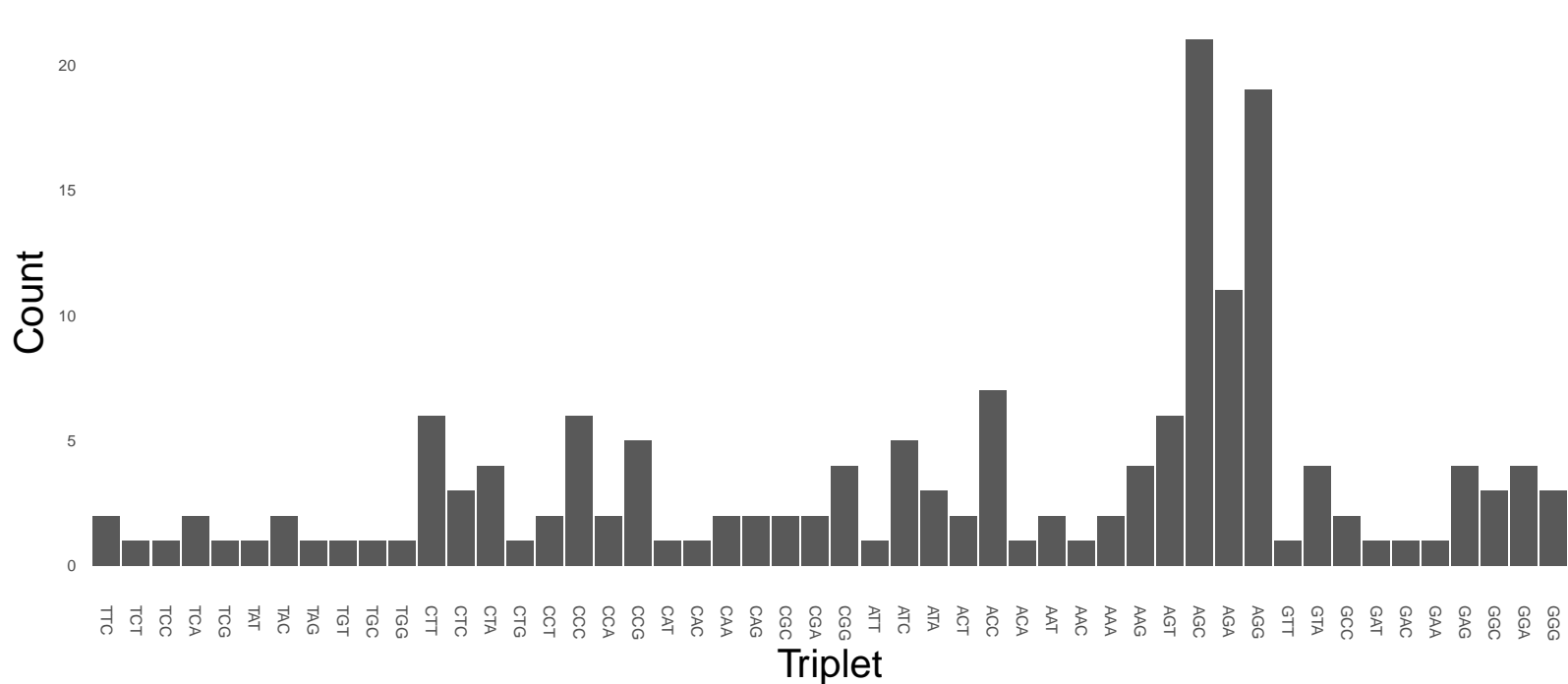
Gene TRBV7-1*ap01_T296C



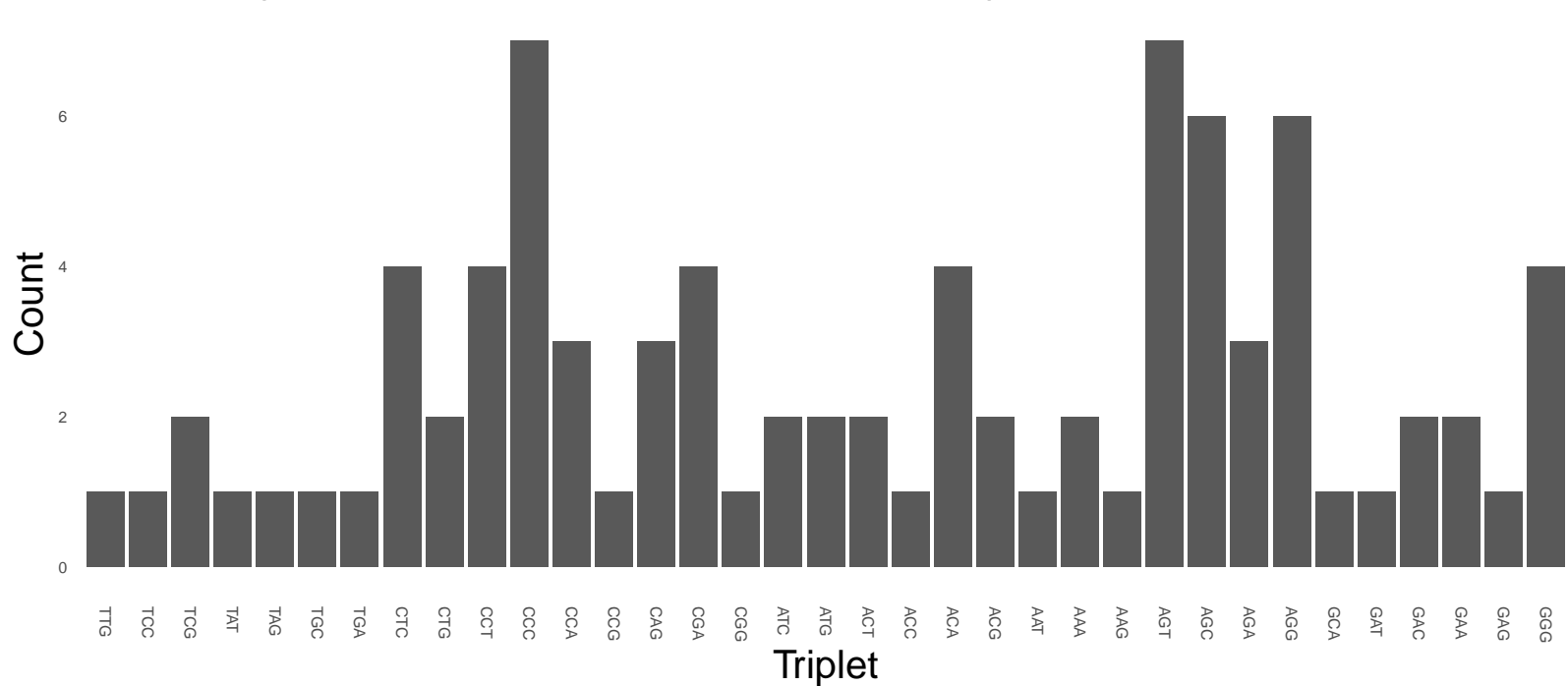
Gene TRBV7-7*ap01_C315T



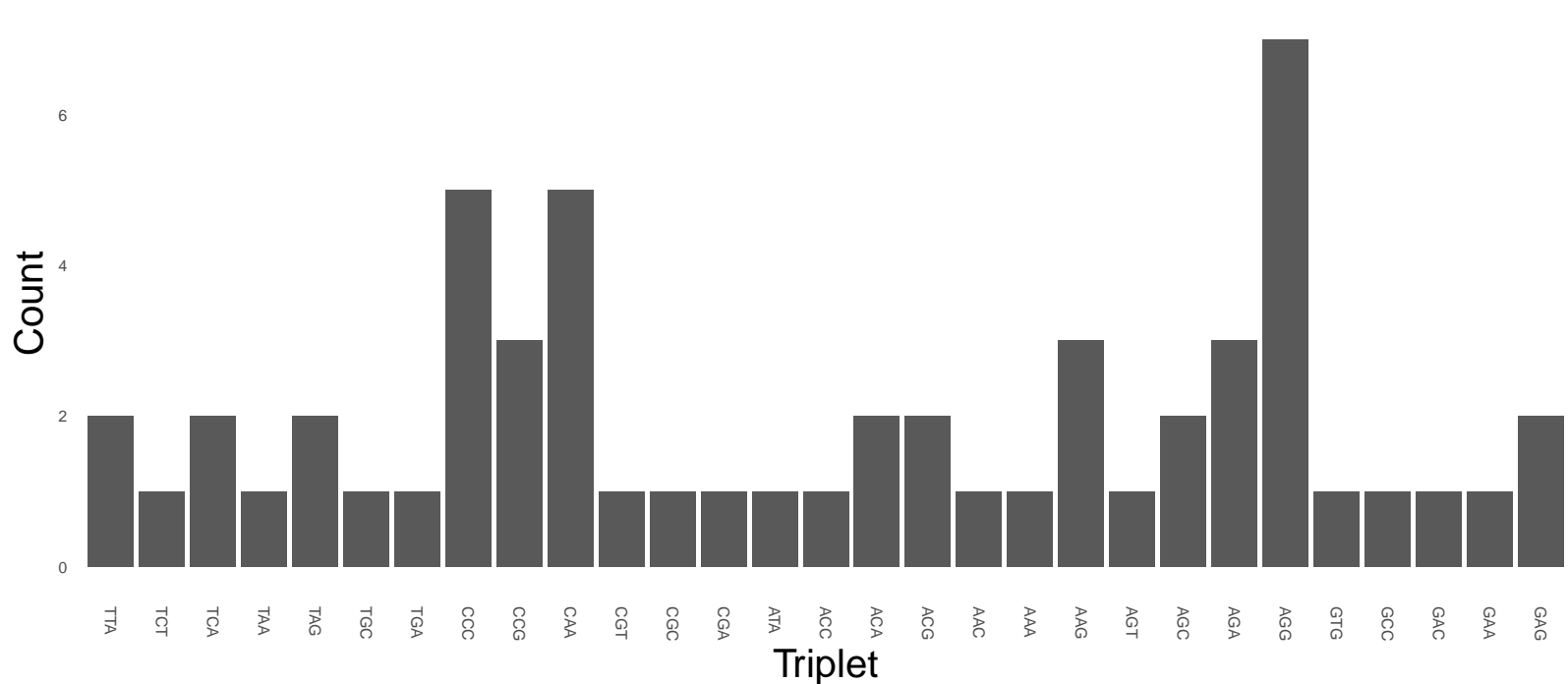
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



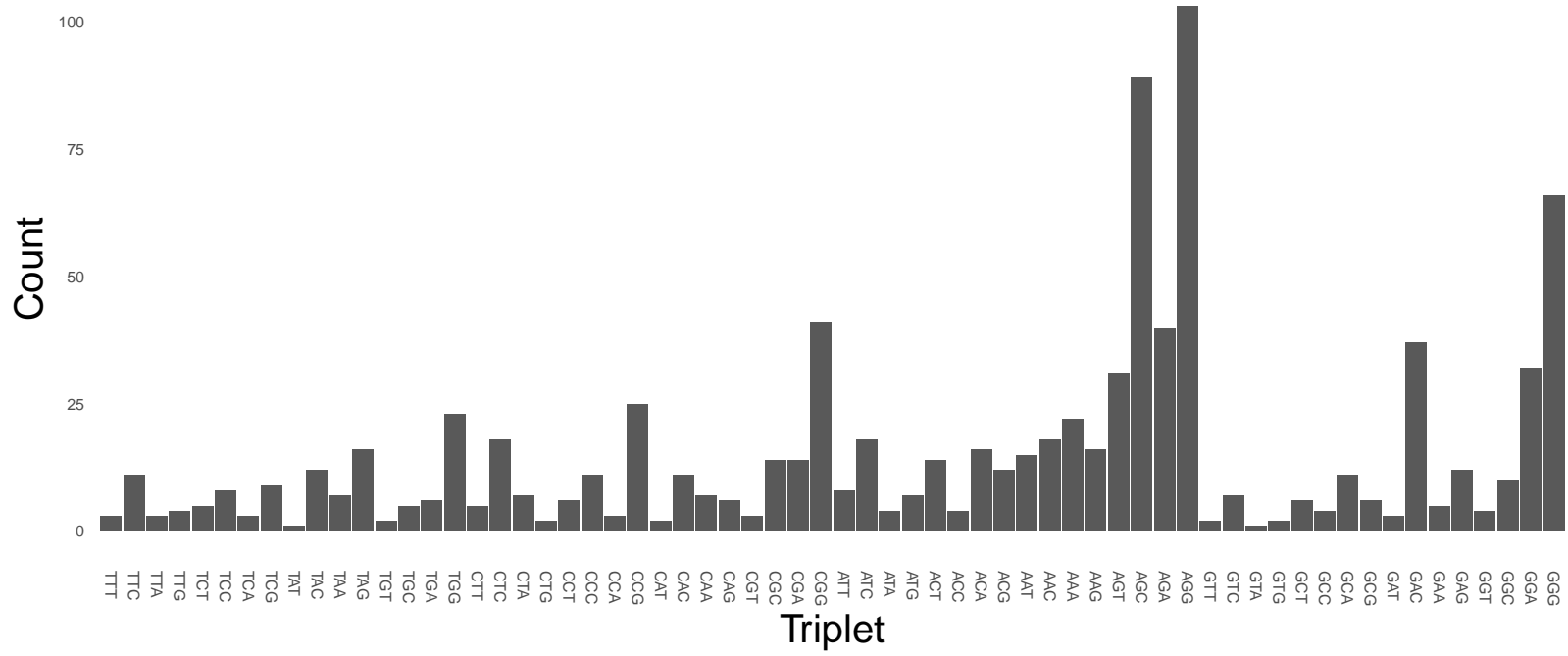
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

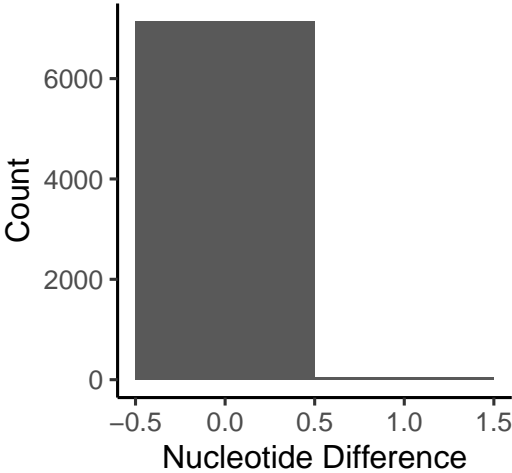


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



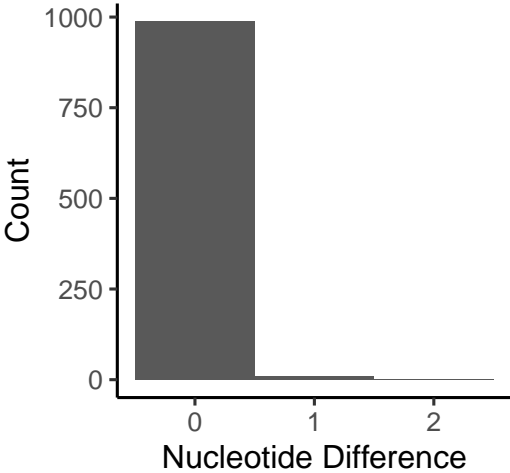
TRBV20-1*ap01

7191 sequences assigned
7140 (99.3%) exact matches, in which:
7097 unique CDR3
13 unique J



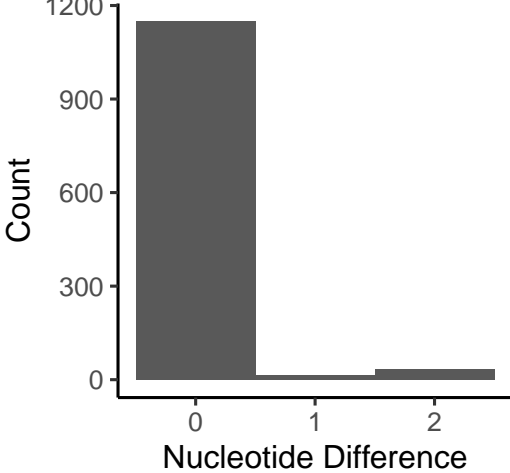
TRBV10-2*ap01

999 sequences assigned
988 (98.9%) exact matches, in which:
978 unique CDR3
13 unique J



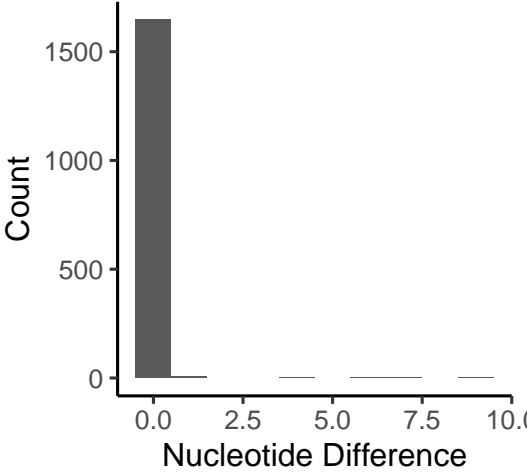
TRBV13*ap01

1198 sequences assigned
1149 (95.9%) exact matches, in which:
1134 unique CDR3
13 unique J



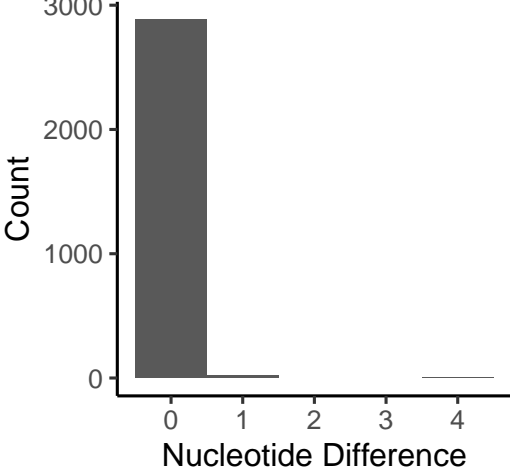
TRBV10-1*ap01

1661 sequences assigned
1647 (99.2%) exact matches, in which:
1638 unique CDR3
13 unique J



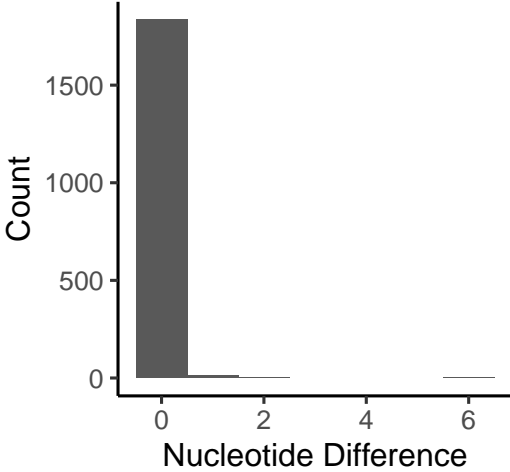
TRBV10-3*ap01

2903 sequences assigned
2883 (99.3%) exact matches, in which:
2857 unique CDR3
13 unique J



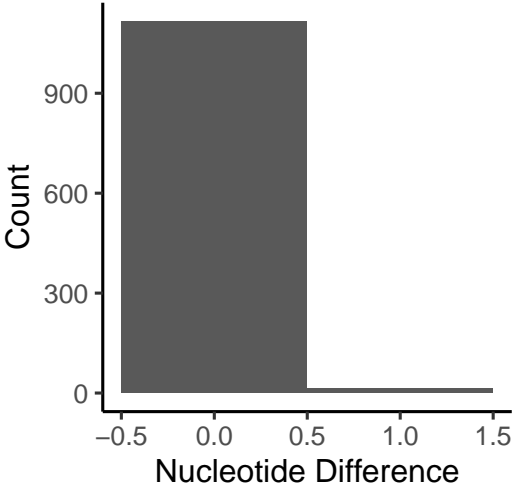
TRBV14*ap01

1852 sequences assigned
1835 (99.1%) exact matches, in which:
1823 unique CDR3
13 unique J



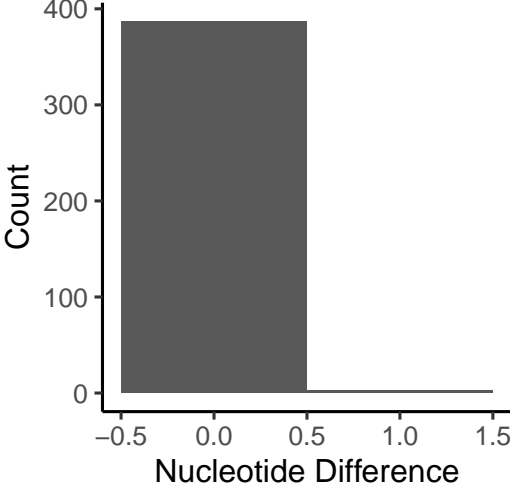
TRBV20-1*ap02

1129 sequences assigned
1116 (98.8%) exact matches, in which:
1107 unique CDR3
13 unique J



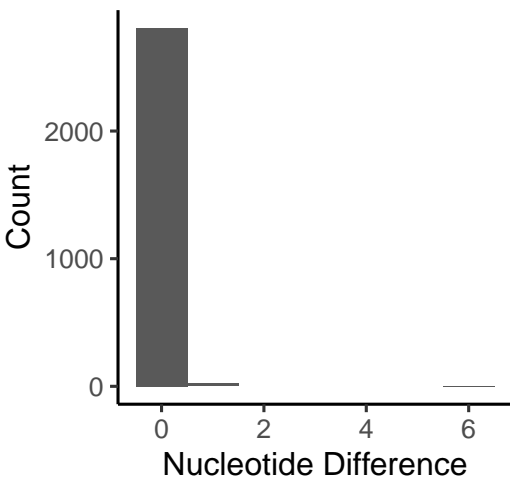
TRBV1*ap01

390 sequences assigned
387 (99.2%) exact matches, in which:
381 unique CDR3
13 unique J



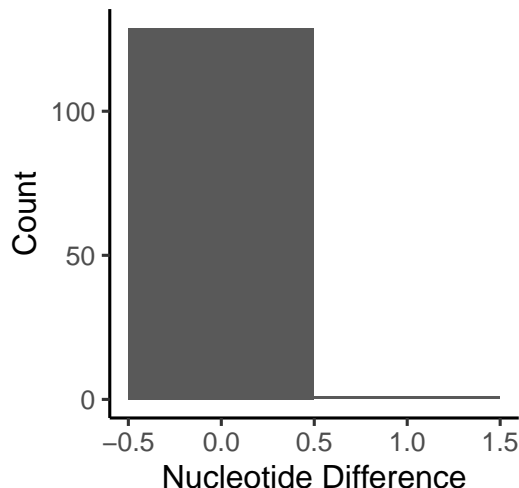
TRBV15*ap02

2829 sequences assigned
2807 (99.2%) exact matches, in which:
2781 unique CDR3
13 unique J



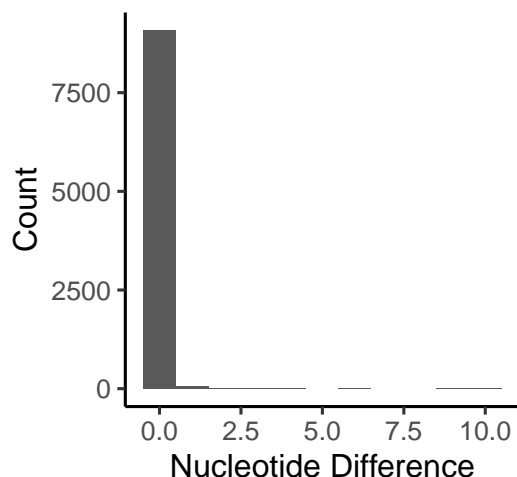
TRBV16*ap01

130 sequences assigned
129 (99.2%) exact matches, in which:
129 unique CDR3
12 unique J



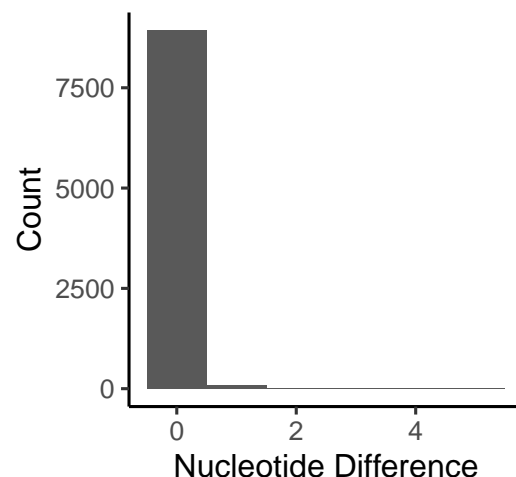
TRBV19*ap01

9152 sequences assigned
9078 (99.2%) exact matches, in which:
9052 unique CDR3
13 unique J



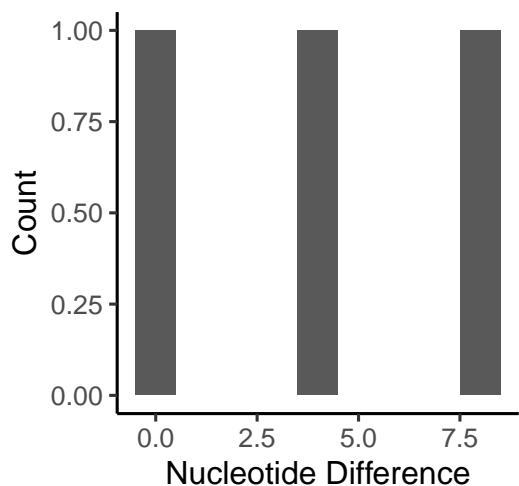
TRBV27*ap01

9021 sequences assigned
8930 (99%) exact matches, in which:
8862 unique CDR3
13 unique J



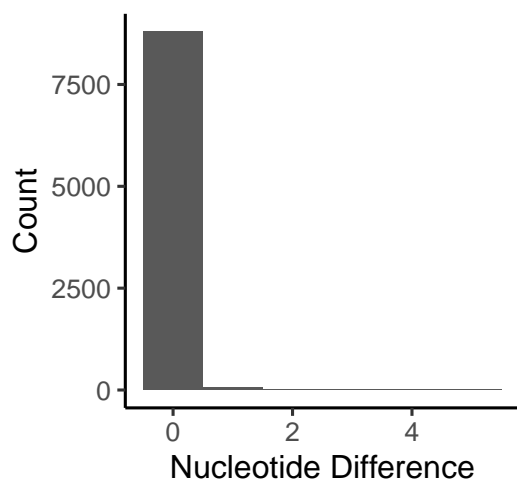
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



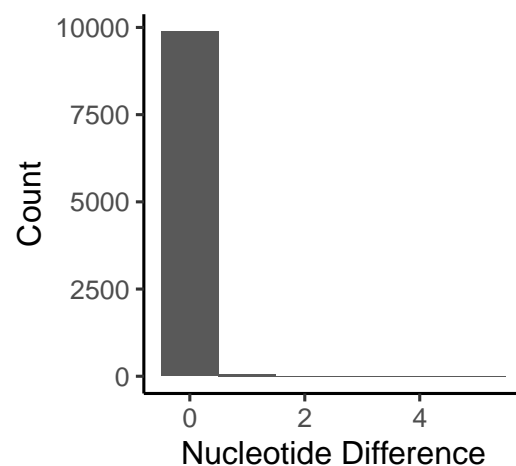
TRBV2*ap01

8871 sequences assigned
8795 (99.1%) exact matches, in which:
8751 unique CDR3
13 unique J



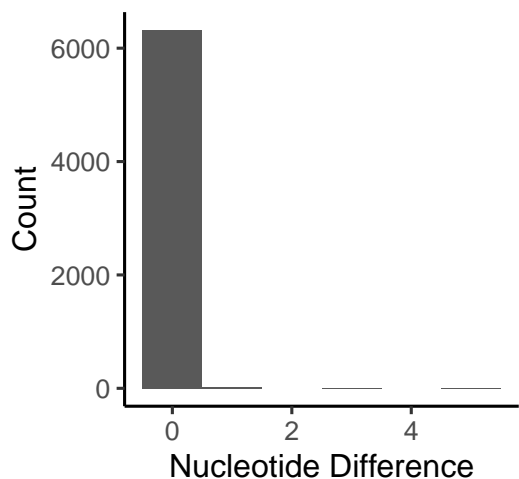
TRBV28*ap01

9961 sequences assigned
9885 (99.2%) exact matches, in which:
9806 unique CDR3
13 unique J



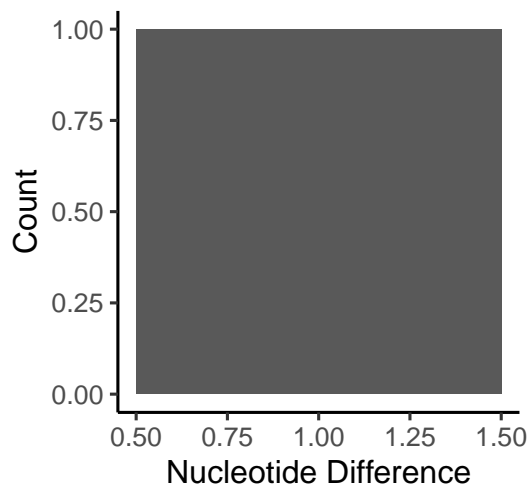
TRBV18*ap01

6344 sequences assigned
6320 (99.6%) exact matches, in which:
6301 unique CDR3
13 unique J



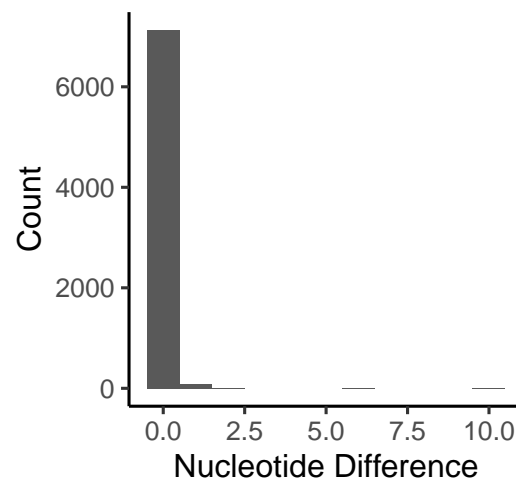
TRBV26*ap01

1 sequences assigned
No exact matches.



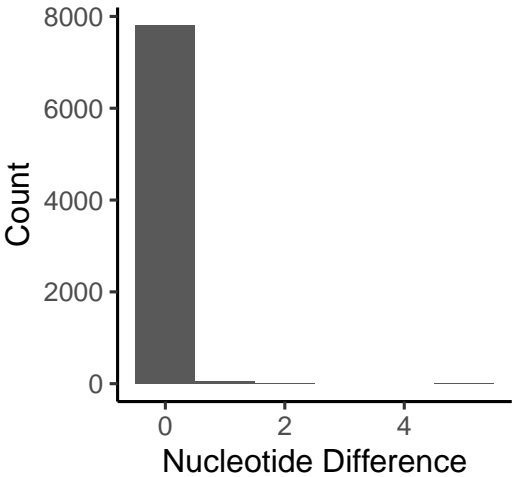
TRBV30*ap01

7227 sequences assigned
7129 (98.6%) exact matches, in which:
7095 unique CDR3
13 unique J



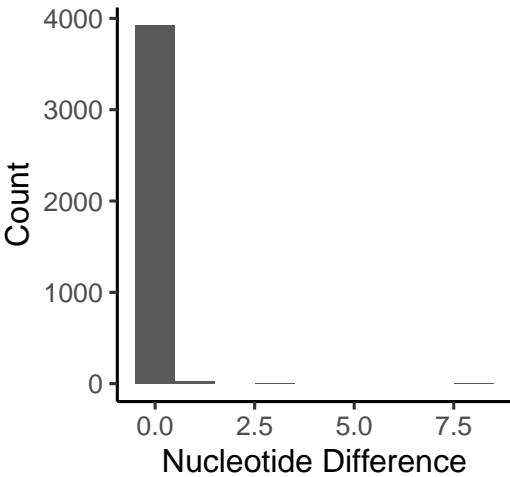
TRBV9*ap01

7873 sequences assigned
7804 (99.1%) exact matches, in which:
7755 unique CDR3
13 unique J



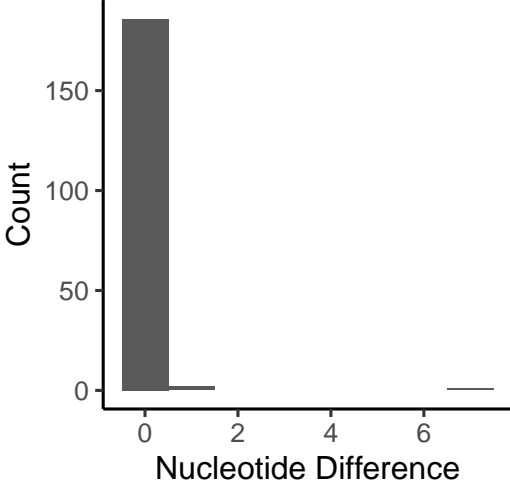
TRBV11-2*ap01

3954 sequences assigned
3923 (99.2%) exact matches, in which:
3902 unique CDR3
13 unique J



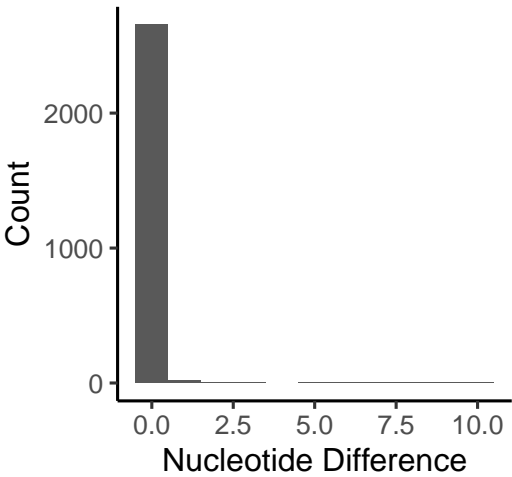
TRBV12-2*ap01

189 sequences assigned
186 (98.4%) exact matches, in which:
184 unique CDR3
13 unique J



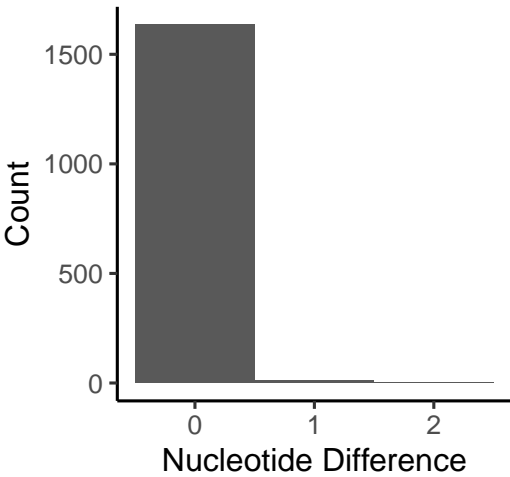
TRBV21-1*ap01

2693 sequences assigned
2655 (98.6%) exact matches, in which:
2641 unique CDR3
13 unique J



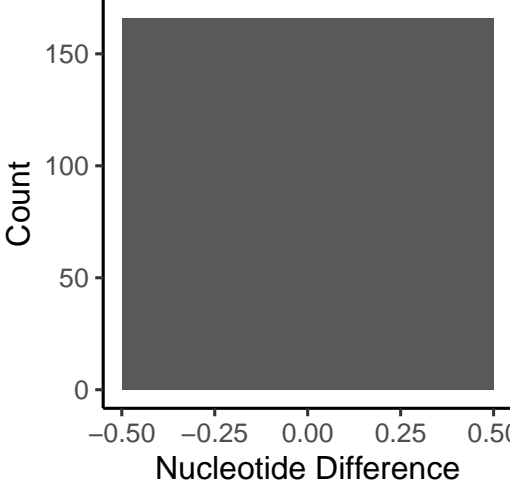
TRBV11-3*ap01

1649 sequences assigned
1635 (99.2%) exact matches, in which:
1627 unique CDR3
13 unique J



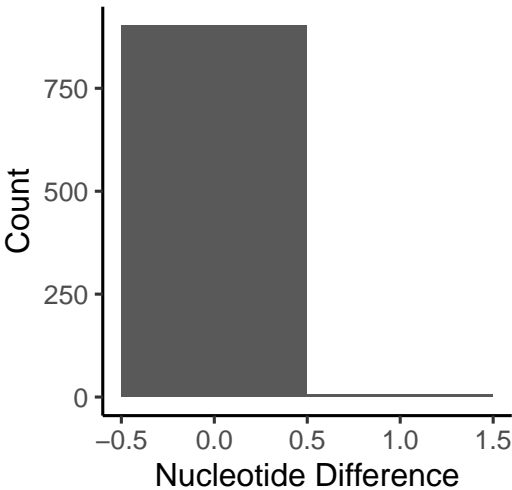
TRBV12-2*ap01_G301A

166 sequences assigned
166 (100%) exact matches, in which:
165 unique CDR3
12 unique J



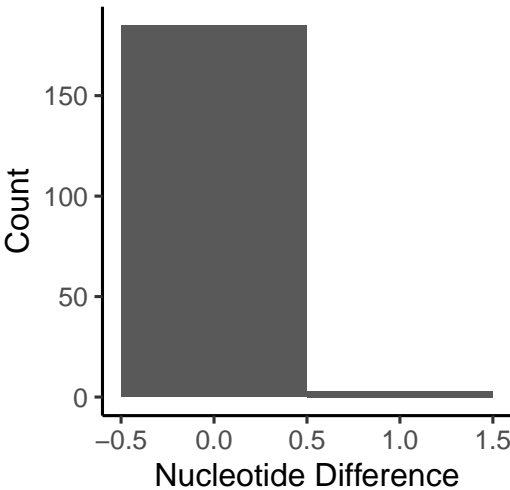
TRBV11-1*ap01

909 sequences assigned
903 (99.3%) exact matches, in which:
898 unique CDR3
13 unique J



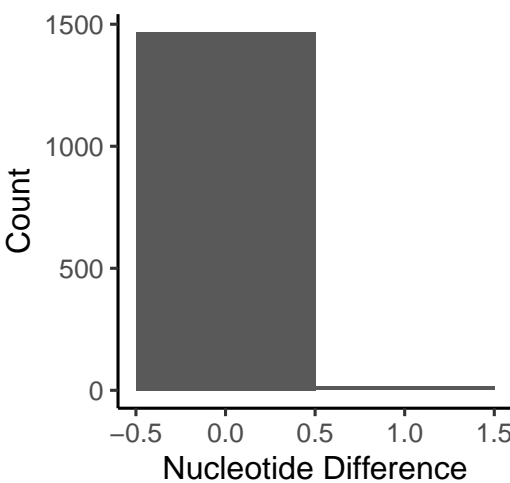
TRBV12-1*ap01

188 sequences assigned
185 (98.4%) exact matches, in which:
182 unique CDR3
13 unique J



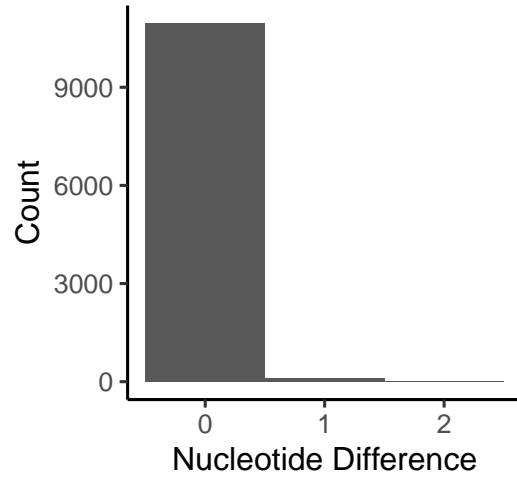
TRBV12-5*ap01

1483 sequences assigned
1468 (99%) exact matches, in which:
1453 unique CDR3
13 unique J



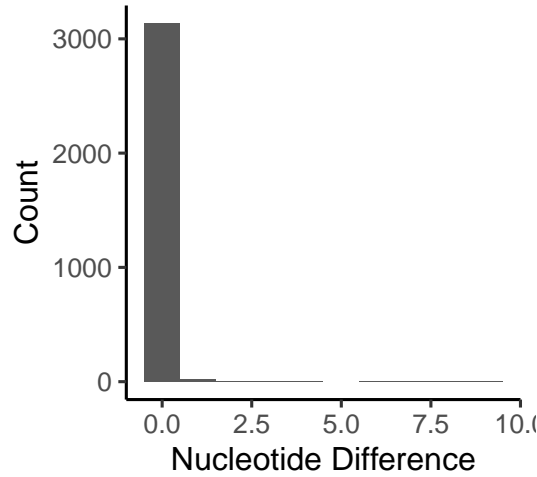
TRBV12-34*ap01

11052 sequences assigned
10952 (99.1%) exact matches, in which:
10867 unique CDR3
13 unique J



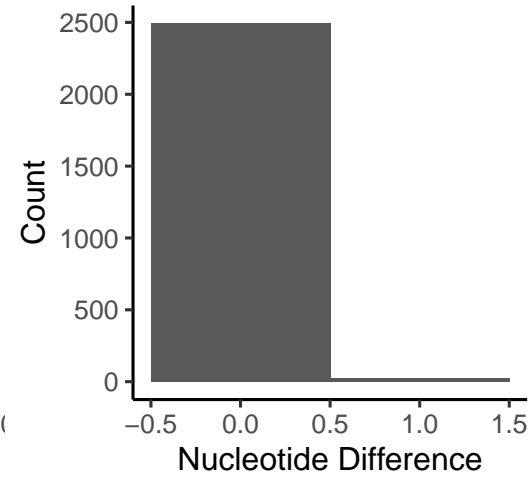
TRBV24-1*ap01

3180 sequences assigned
3135 (98.6%) exact matches, in which:
3125 unique CDR3
13 unique J



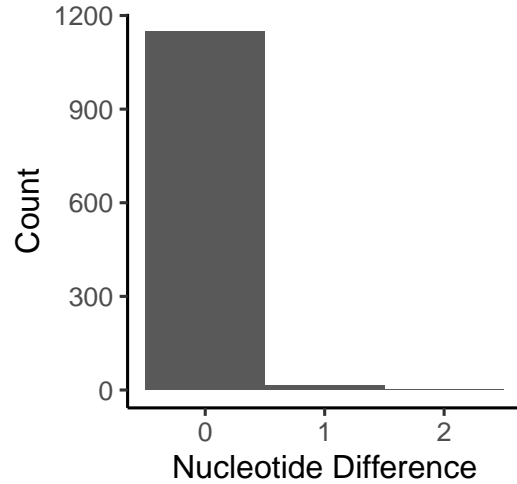
TRBV4-3*ap01

2516 sequences assigned
2493 (99.1%) exact matches, in which:
2483 unique CDR3
13 unique J



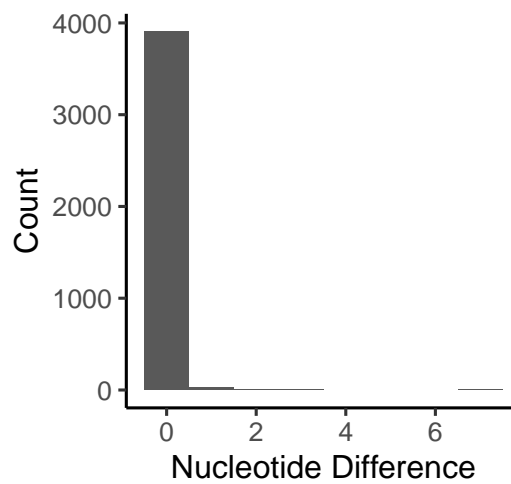
TRBV23-1*ap01

1162 sequences assigned
1148 (98.8%) exact matches, in which:
1137 unique CDR3
13 unique J



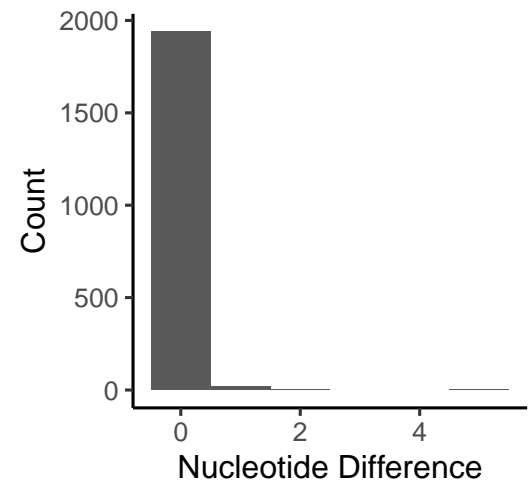
TRBV4-1*ap01

3932 sequences assigned
3904 (99.3%) exact matches, in which:
3873 unique CDR3
13 unique J



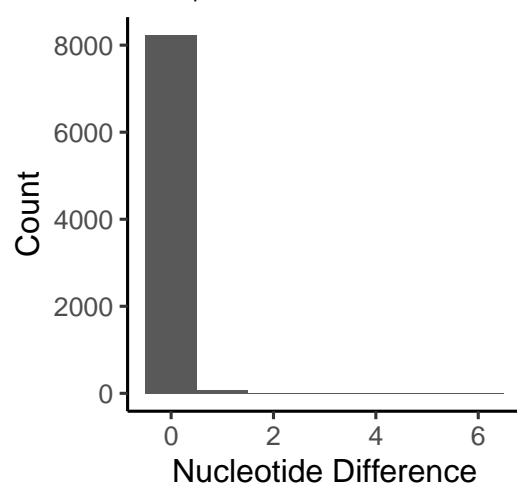
TRBV25-1*ap01

1959 sequences assigned
1939 (99%) exact matches, in which:
1933 unique CDR3
13 unique J



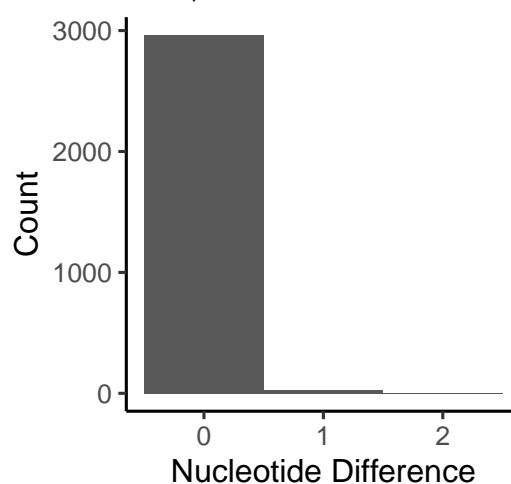
TRBV3-12*ap01

8321 sequences assigned
8232 (98.9%) exact matches, in which:
8176 unique CDR3
13 unique J



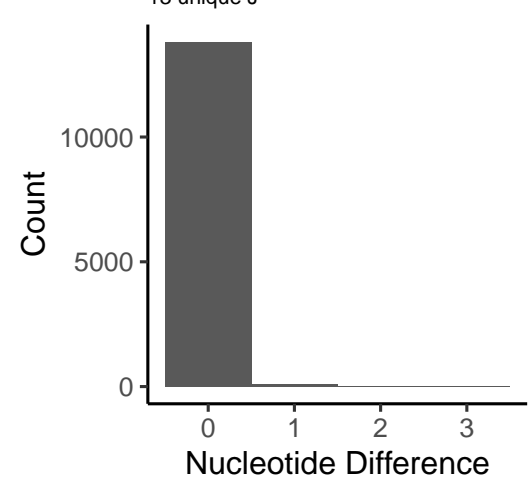
TRBV4-2*ap01

2991 sequences assigned
2963 (99.1%) exact matches, in which:
2950 unique CDR3
13 unique J



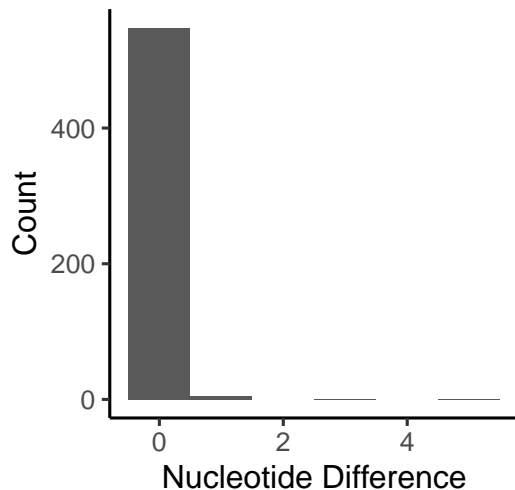
TRBV5-1*ap01

13912 sequences assigned
13816 (99.3%) exact matches, in which:
13680 unique CDR3
13 unique J



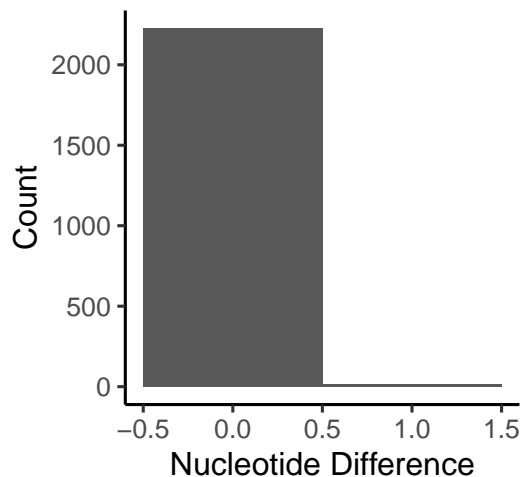
TRBV5-3*ap01

555 sequences assigned
548 (98.7%) exact matches, in which:
539 unique CDR3
13 unique J



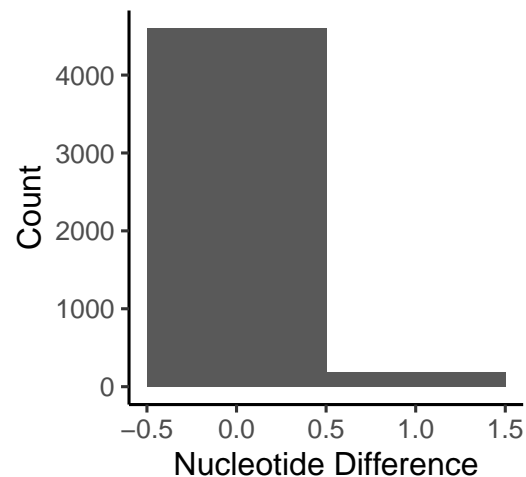
TRBV5-6*ap01

2241 sequences assigned
2226 (99.3%) exact matches, in which:
2210 unique CDR3
13 unique J



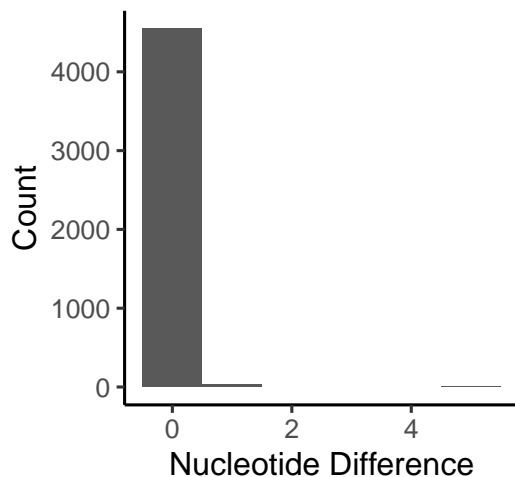
TRBV6-1*ap01

4781 sequences assigned
4599 (96.2%) exact matches, in which:
4571 unique CDR3
13 unique J



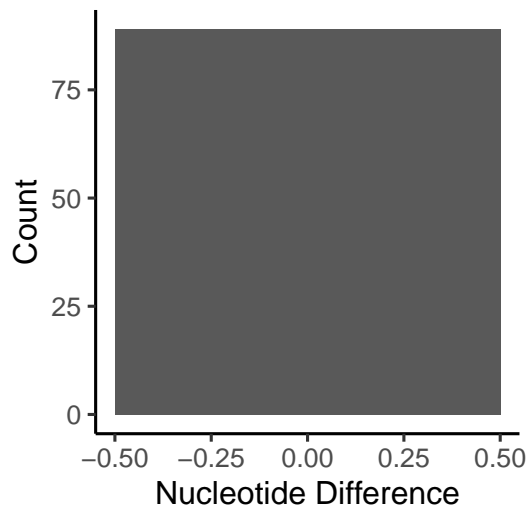
TRBV5-4*ap01

4577 sequences assigned
4547 (99.3%) exact matches, in which:
4514 unique CDR3
13 unique J



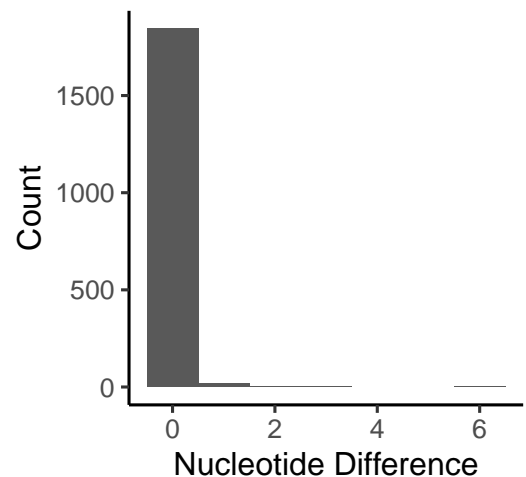
TRBV5-7*ap01

89 sequences assigned
89 (100%) exact matches, in which:
89 unique CDR3
13 unique J



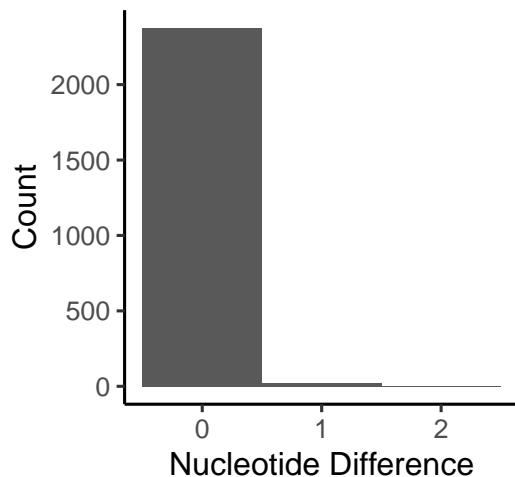
TRBV6-4*ap01

1871 sequences assigned
1844 (98.6%) exact matches, in which:
1835 unique CDR3
13 unique J



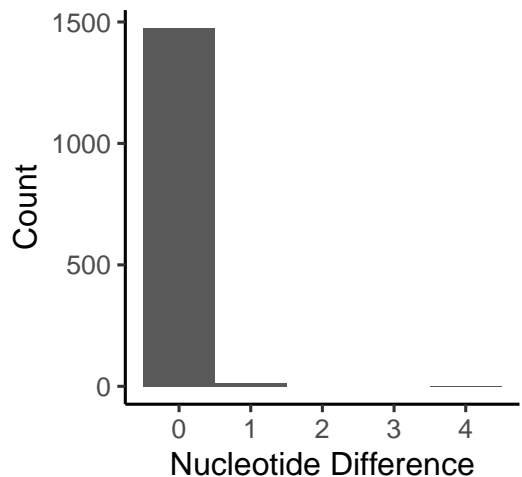
TRBV5-5*ap01

2401 sequences assigned
2375 (98.9%) exact matches, in which:
2357 unique CDR3
13 unique J



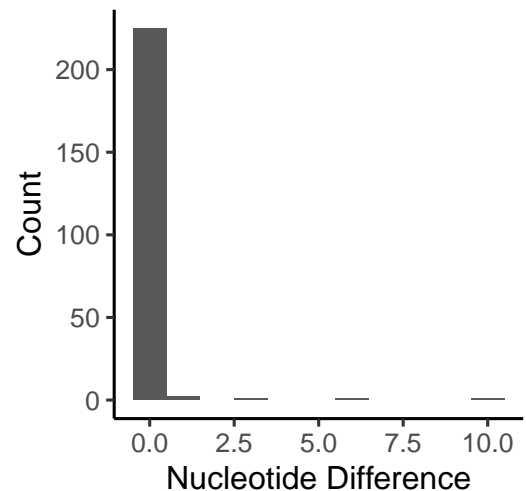
TRBV5-8*ap01

1489 sequences assigned
1475 (99.1%) exact matches, in which:
1463 unique CDR3
13 unique J



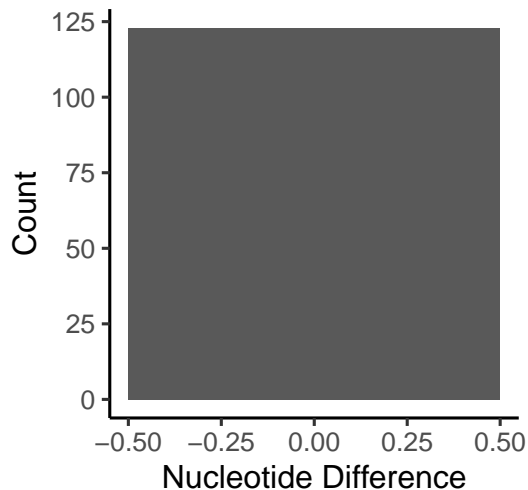
TRBV6-7*ap01

230 sequences assigned
225 (97.8%) exact matches, in which:
224 unique CDR3
13 unique J



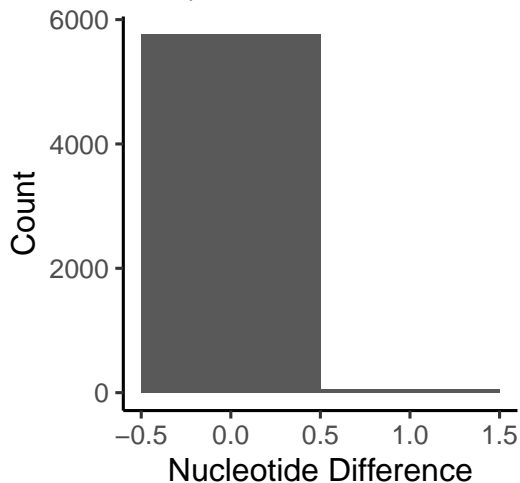
TRBV6-8*ap01

123 sequences assigned
123 (100%) exact matches, in which:
122 unique CDR3
11 unique J



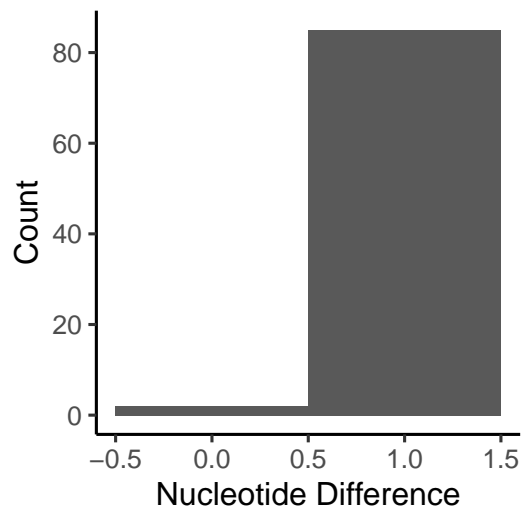
TRBV6-56*ap01

5825 sequences assigned
5762 (98.9%) exact matches, in which:
5729 unique CDR3
13 unique J



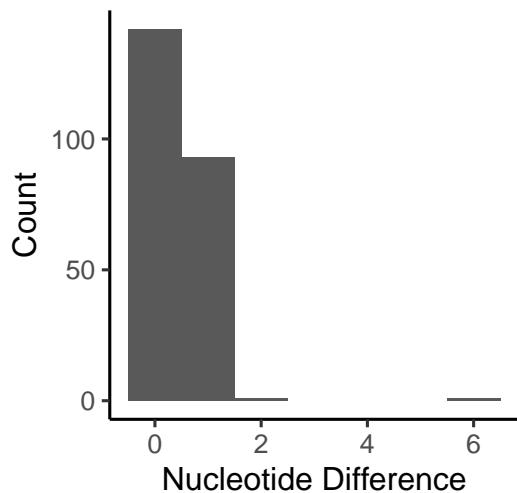
TRBV7-1*ap01_T296C_C

87 sequences assigned
2 (2.3%) exact matches, in which:
2 unique CDR3
2 unique J



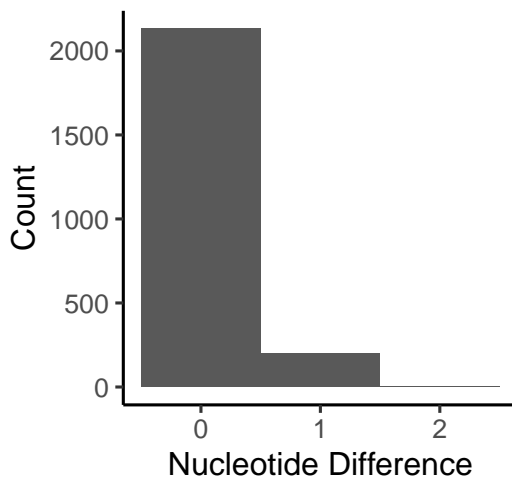
TRBV6-9*ap01

237 sequences assigned
142 (59.9%) exact matches, in which:
141 unique CDR3
13 unique J



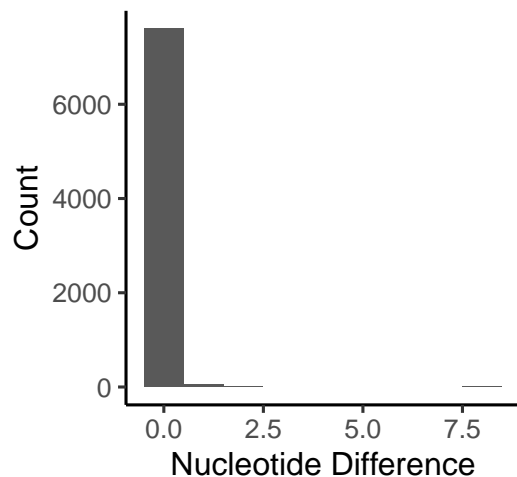
TRBV6-56*ap02

2330 sequences assigned
2132 (91.5%) exact matches, in which:
2118 unique CDR3
13 unique J



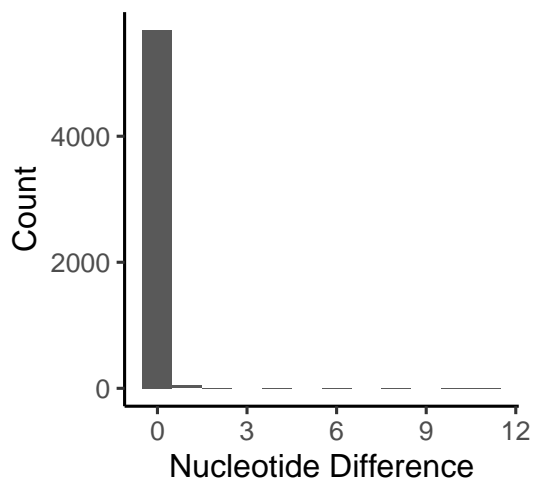
TRBV7-2*ap01

7650 sequences assigned
7603 (99.4%) exact matches, in which:
7564 unique CDR3
13 unique J



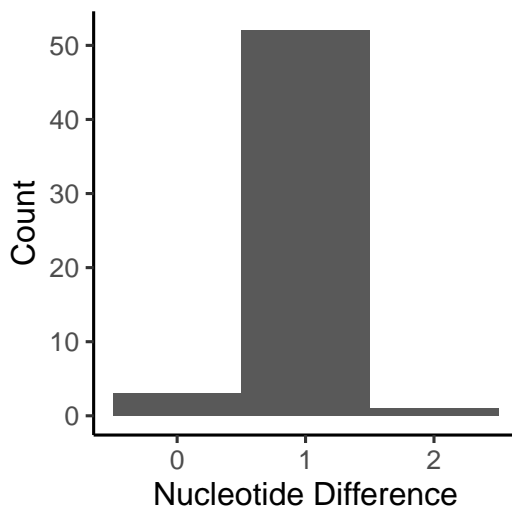
TRBV6-23*ap01

5738 sequences assigned
5685 (99.1%) exact matches, in which:
5652 unique CDR3
13 unique J



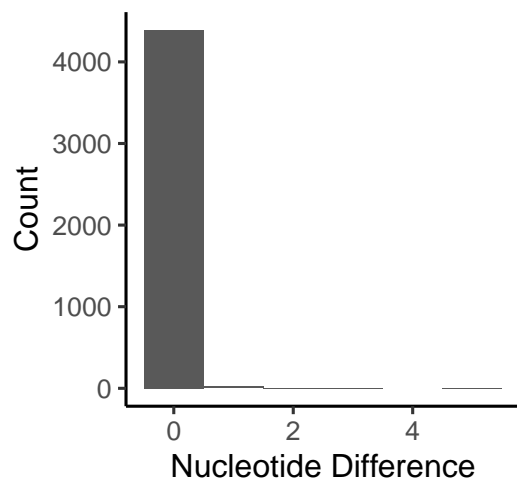
TRBV7-1*ap01_T296C

56 sequences assigned
3 (5.4%) exact matches, in which:
3 unique CDR3
3 unique J



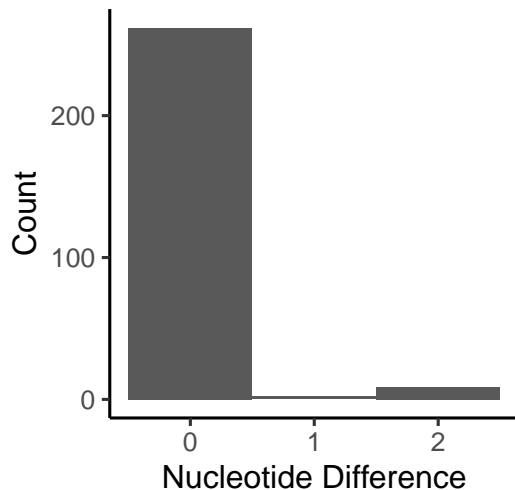
TRBV7-3*ap01

4418 sequences assigned
4390 (99.4%) exact matches, in which:
4355 unique CDR3
13 unique J



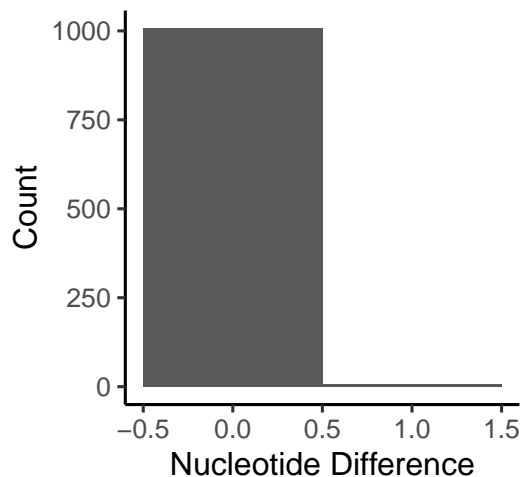
TRBV7-4*ap01

273 sequences assigned
262 (96%) exact matches, in which:
258 unique CDR3
13 unique J



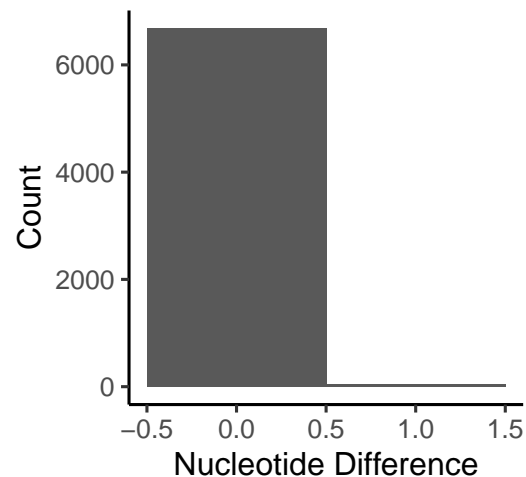
TRBV7-8*ap01

1014 sequences assigned
1007 (99.3%) exact matches, in which:
1003 unique CDR3
13 unique J



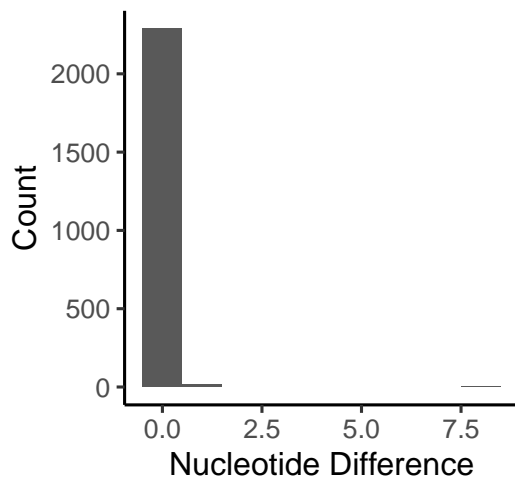
TRBV7-9*ap01

6718 sequences assigned
6680 (99.4%) exact matches, in which:
6647 unique CDR3
13 unique J



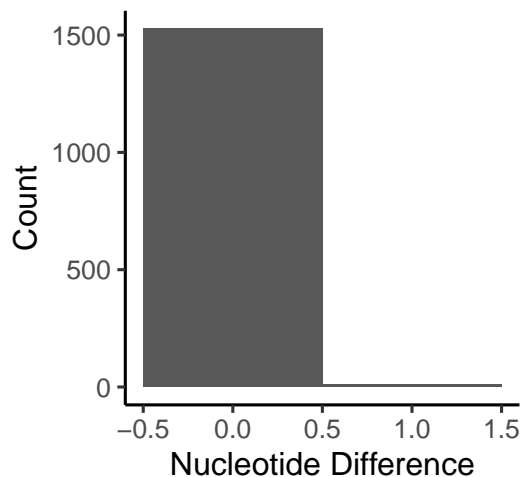
TRBV7-6*ap01

2306 sequences assigned
2288 (99.2%) exact matches, in which:
2266 unique CDR3
13 unique J



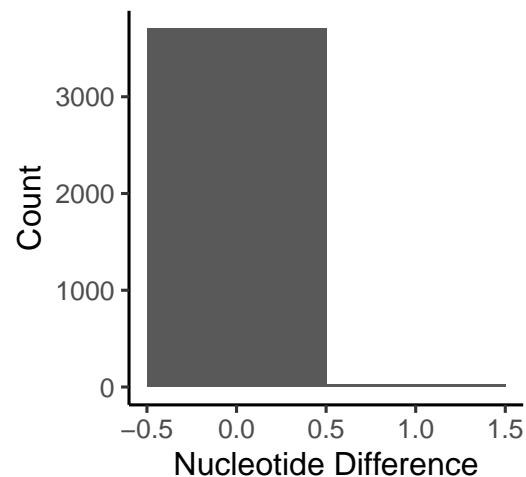
TRBV7-8*ap02

1538 sequences assigned
1527 (99.3%) exact matches, in which:
1522 unique CDR3
13 unique J



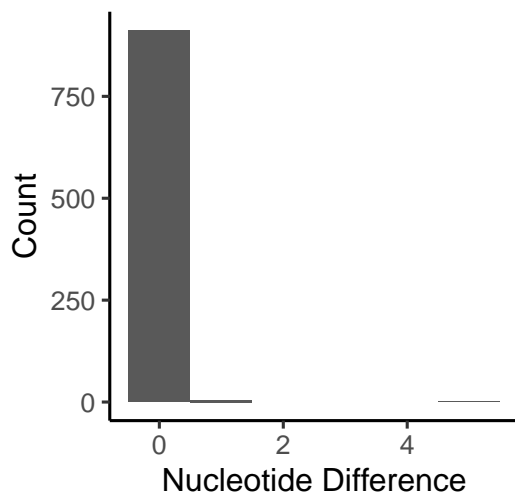
TRBV29-1*ap01

3725 sequences assigned
3703 (99.4%) exact matches, in which:
3689 unique CDR3
13 unique J



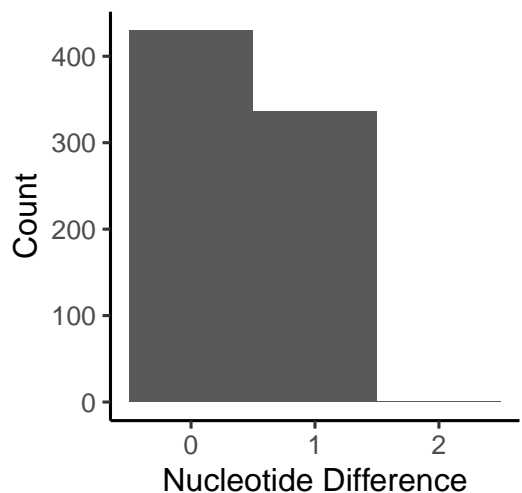
TRBV7-7*ap01_C315T

918 sequences assigned
912 (99.3%) exact matches, in which:
906 unique CDR3
13 unique J



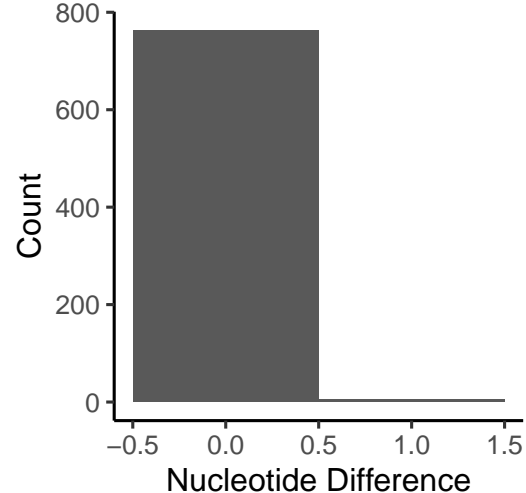
TRBV7-8*ap03

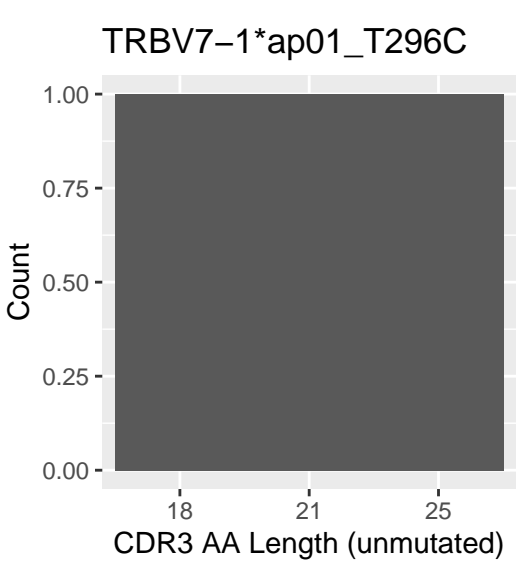
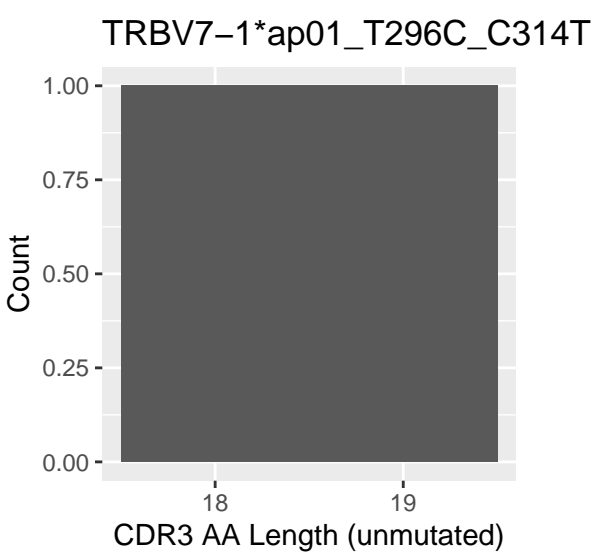
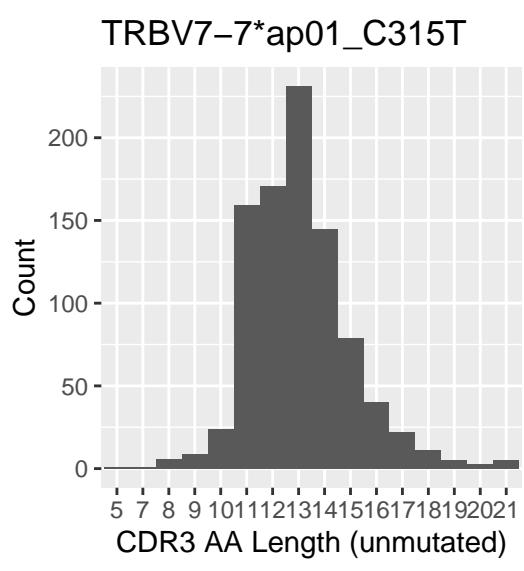
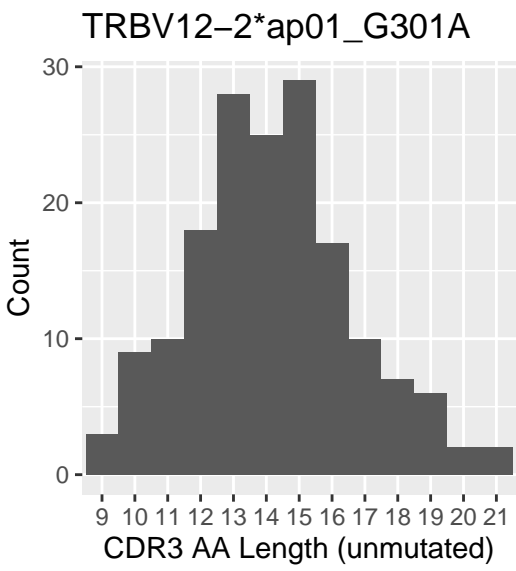
767 sequences assigned
430 (56.1%) exact matches, in which:
426 unique CDR3
13 unique J

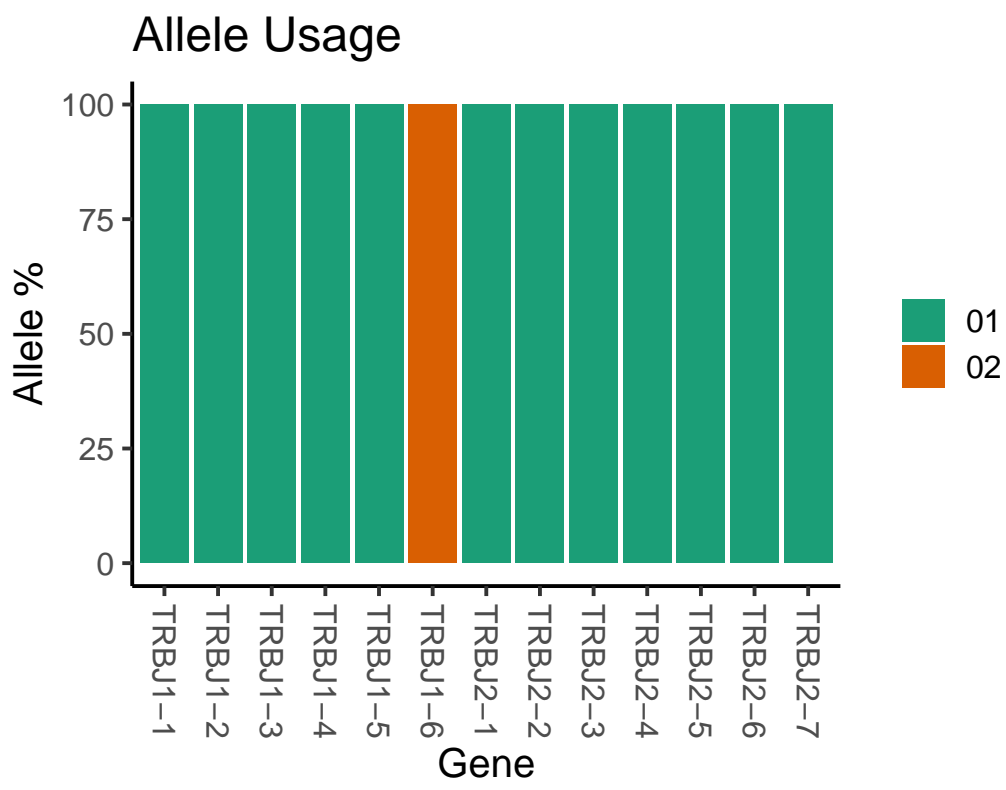


TRBV29-1*ap02

768 sequences assigned
763 (99.3%) exact matches, in which:
759 unique CDR3
13 unique J







Warning – no inferred sequences found.