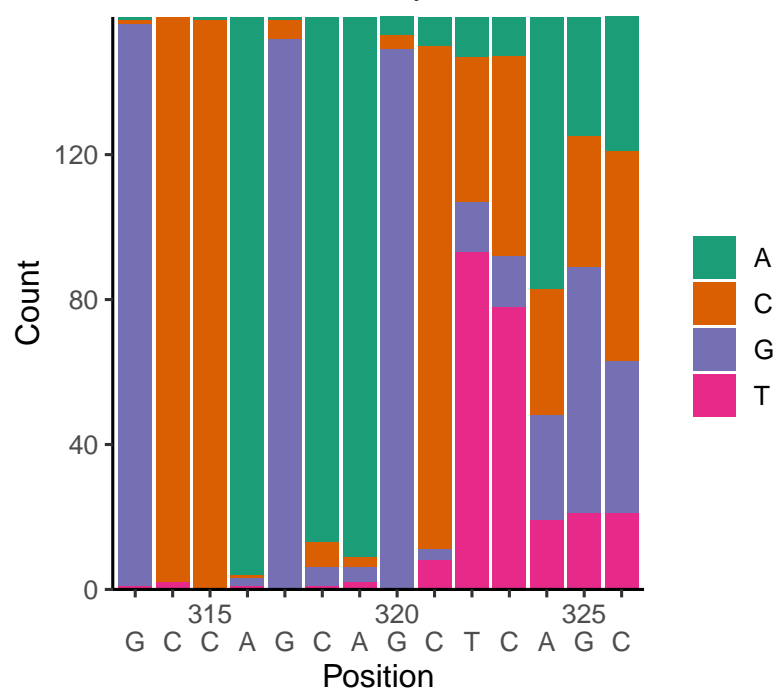
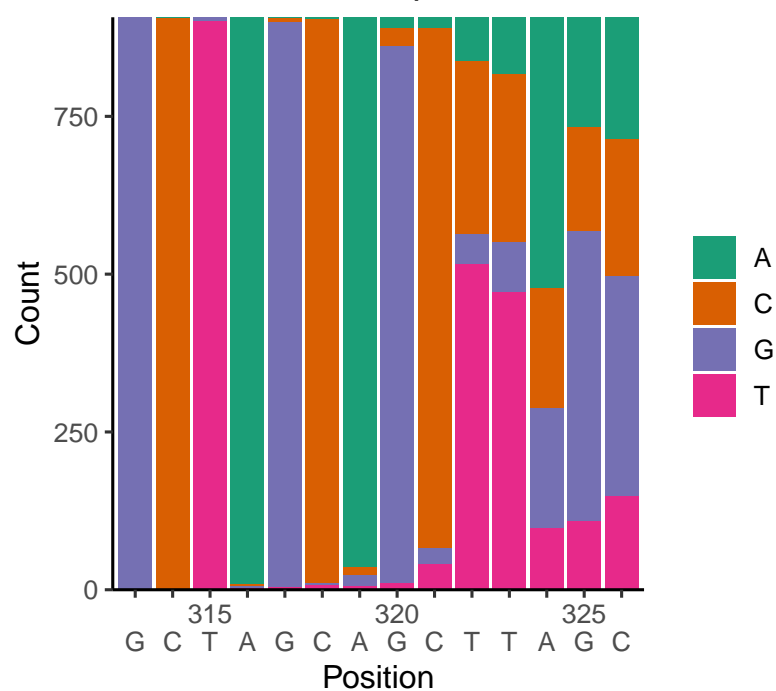


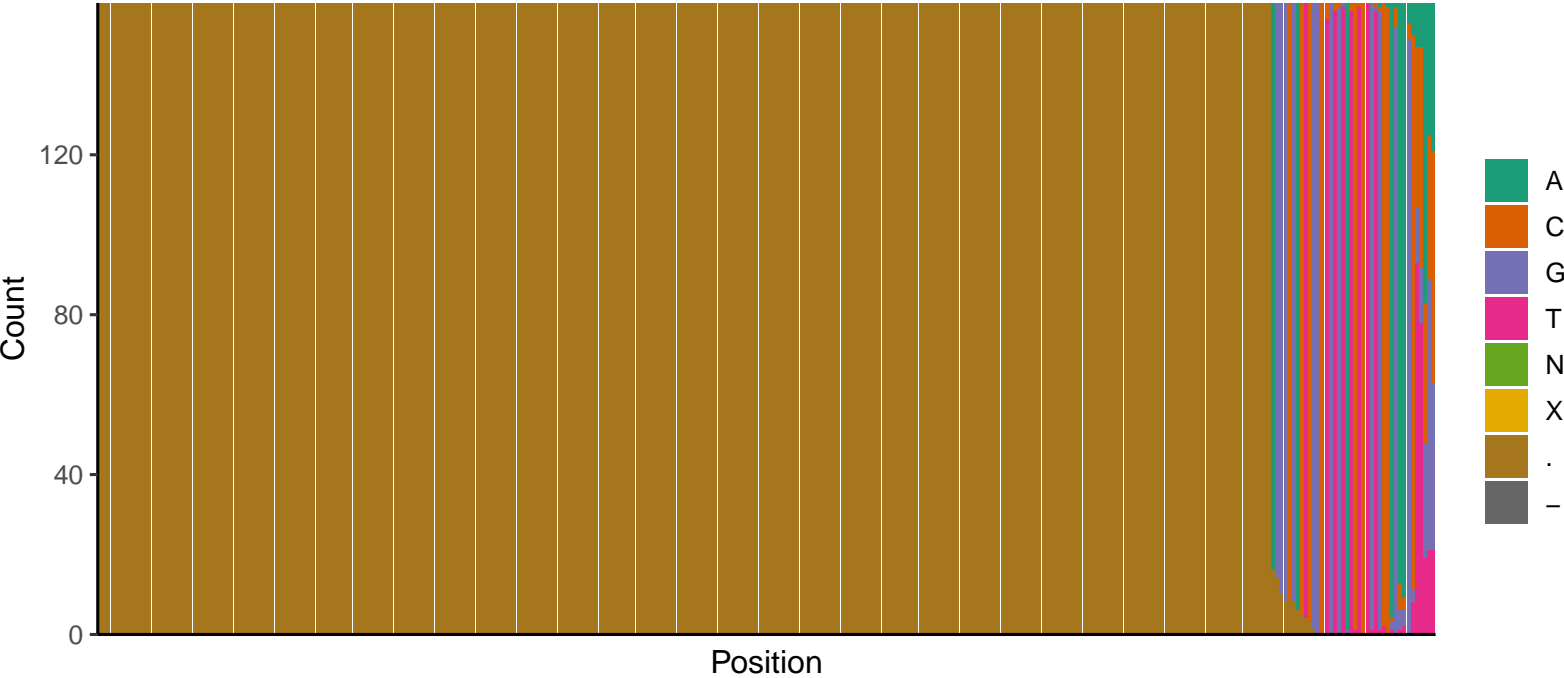
Gene TRBV7-1*ap01_G291C_T296C



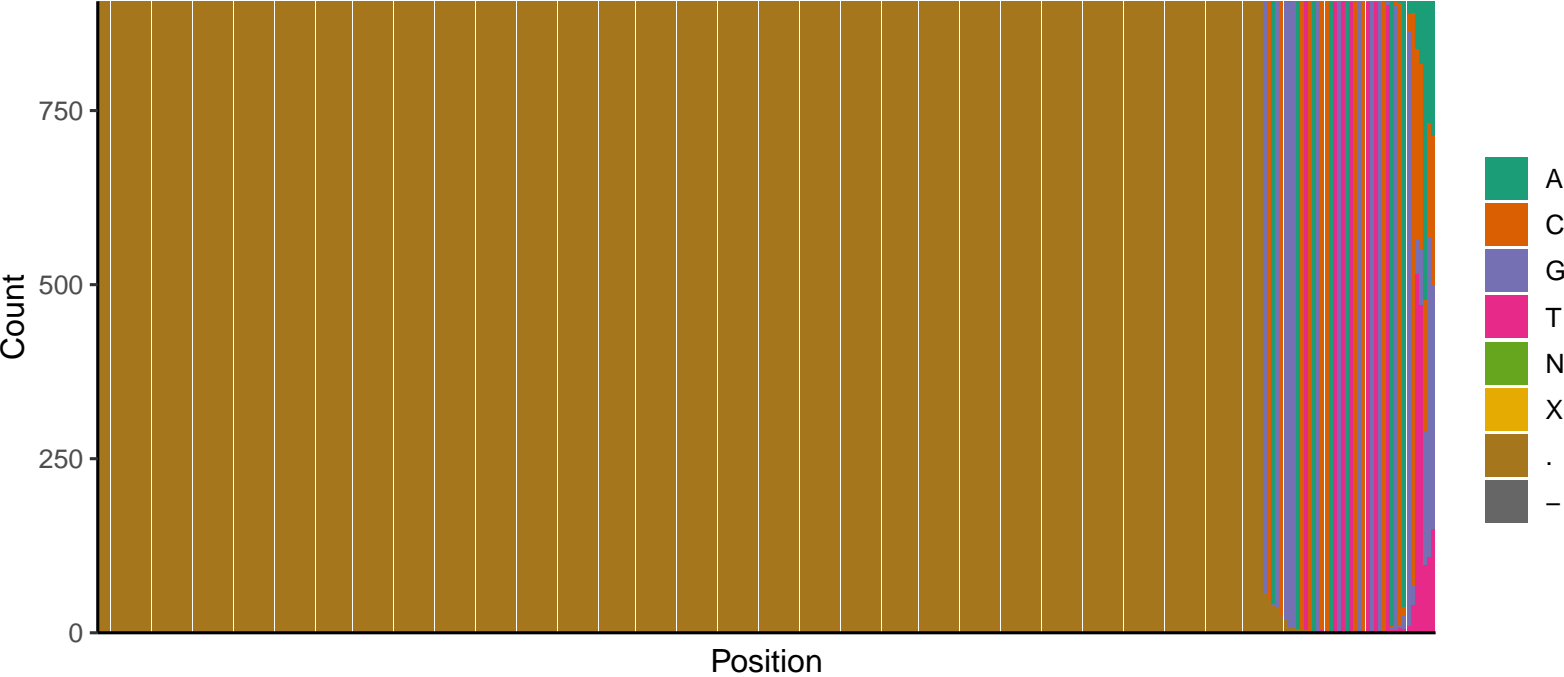
Gene TRBV7-7*ap01_C315T



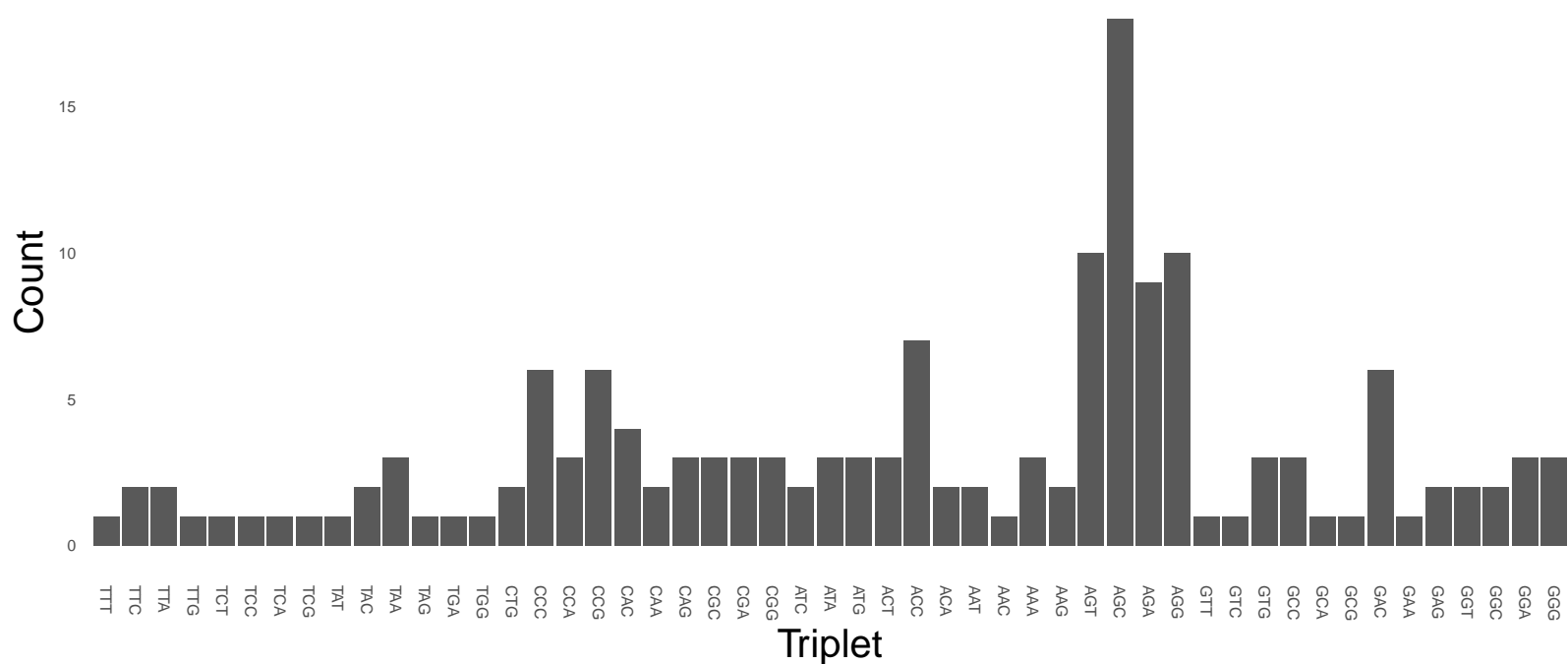
Gene TRBV7-1*ap01_G291C_T296C



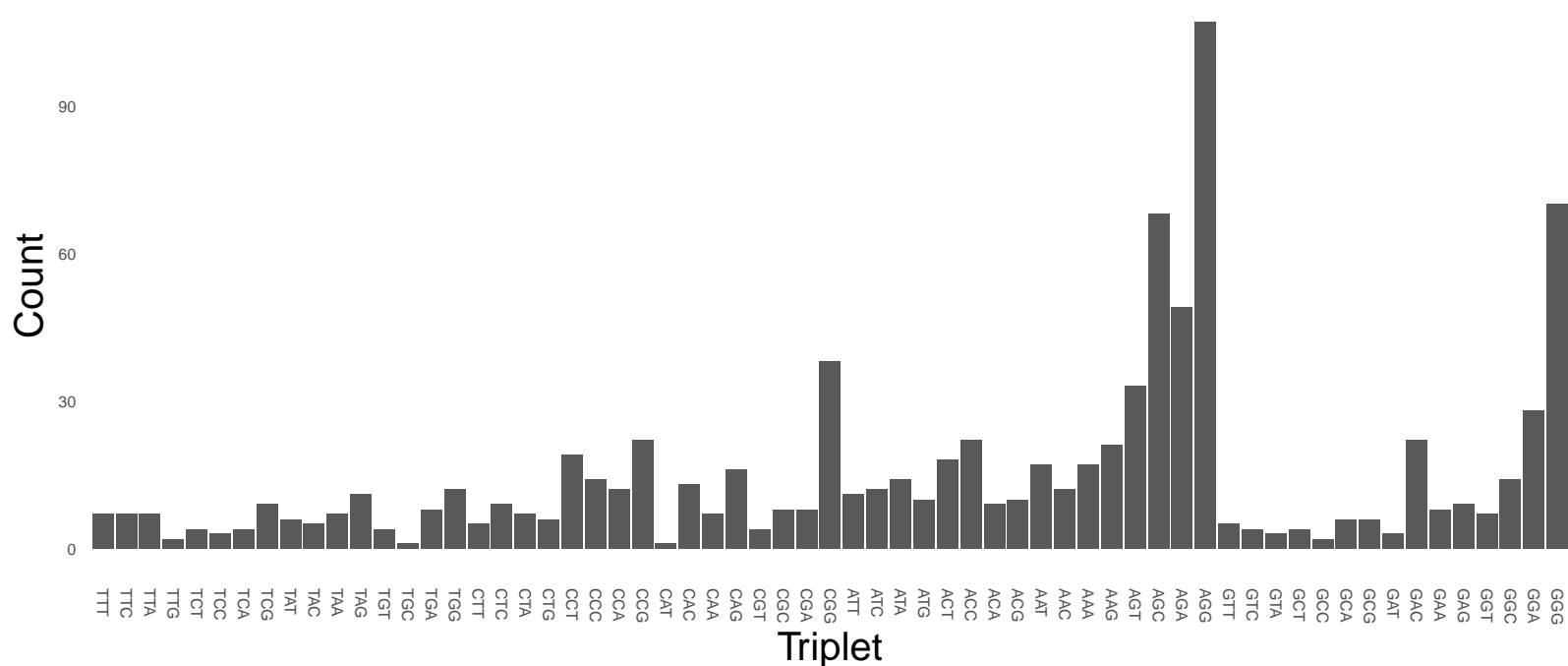
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

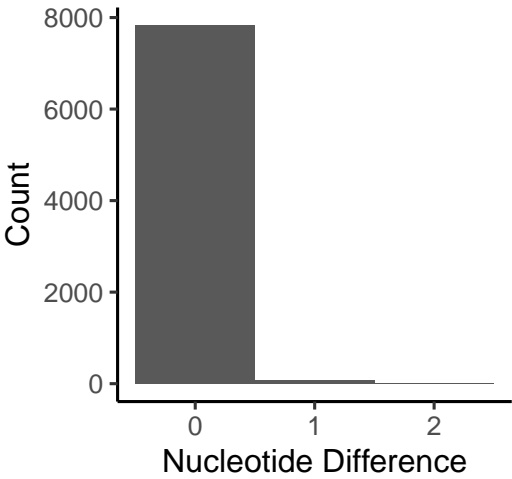


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



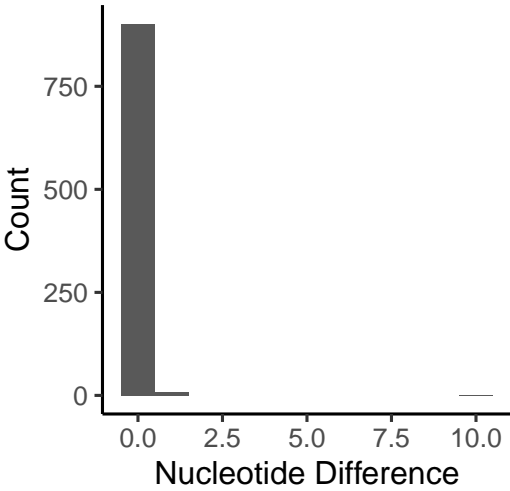
TRBV20-1*ap01

7912 sequences assigned
7828 (98.9%) exact matches, in which:
7669 unique CDR3
13 unique J



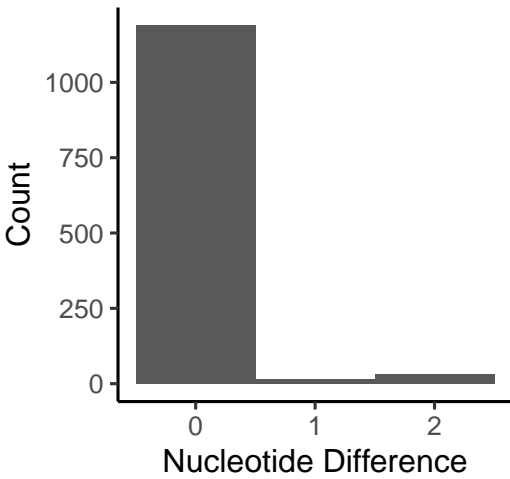
TRBV10-2*ap01

911 sequences assigned
902 (99%) exact matches, in which:
885 unique CDR3
13 unique J



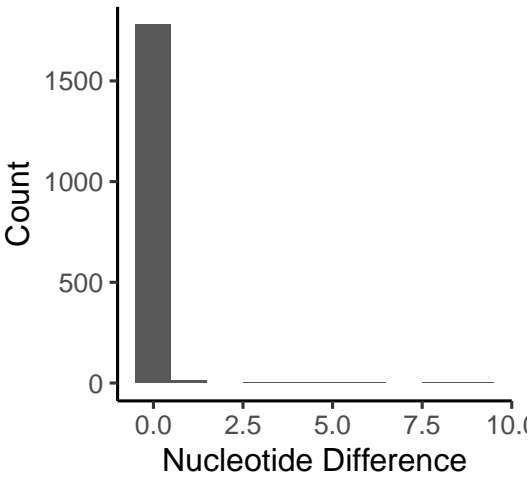
TRBV13*ap01

1238 sequences assigned
1189 (96%) exact matches, in which:
1162 unique CDR3
13 unique J



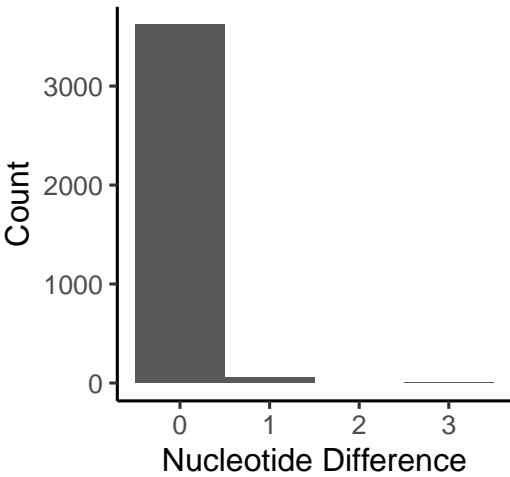
TRBV10-1*ap01

1801 sequences assigned
1779 (98.8%) exact matches, in which:
1726 unique CDR3
13 unique J



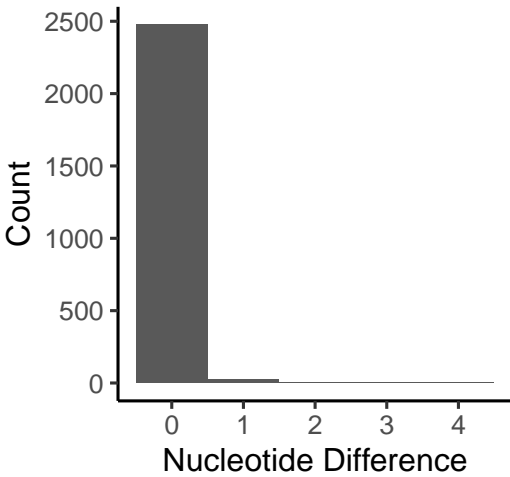
TRBV10-3*ap01

3674 sequences assigned
3620 (98.5%) exact matches, in which:
3548 unique CDR3
13 unique J



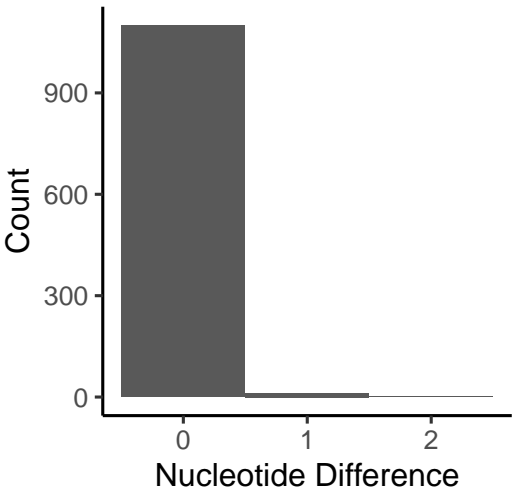
TRBV14*ap01

2503 sequences assigned
2476 (98.9%) exact matches, in which:
2415 unique CDR3
13 unique J



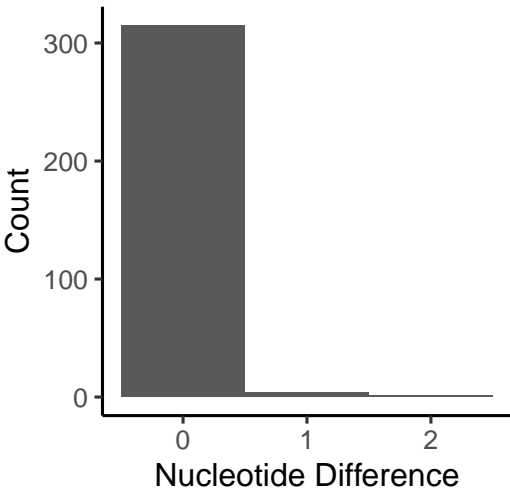
TRBV20-1*ap02

1113 sequences assigned
1100 (98.8%) exact matches, in which:
1080 unique CDR3
13 unique J



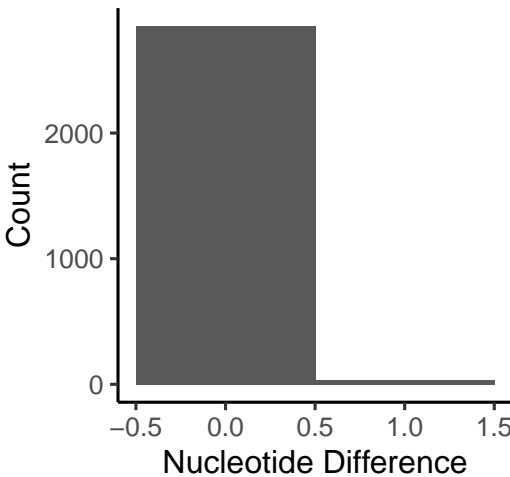
TRBV1*ap01

320 sequences assigned
315 (98.4%) exact matches, in which:
308 unique CDR3
13 unique J



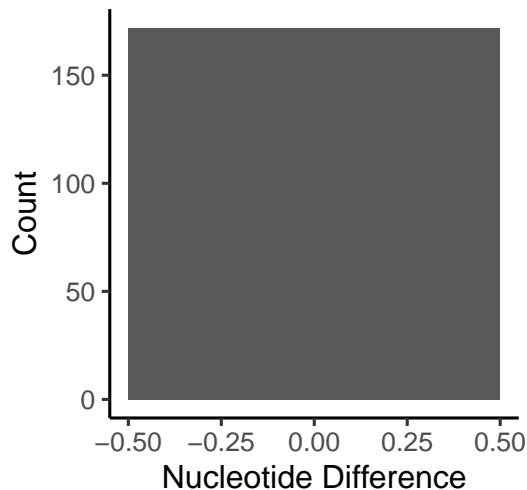
TRBV15*ap02

2888 sequences assigned
2852 (98.8%) exact matches, in which:
2777 unique CDR3
13 unique J



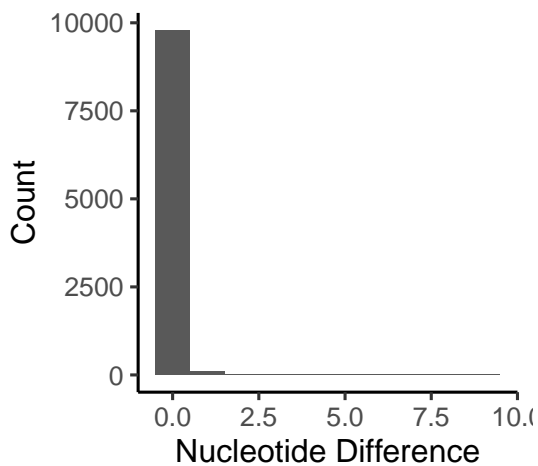
TRBV16*ap01

172 sequences assigned
172 (100%) exact matches, in which:
169 unique CDR3
13 unique J



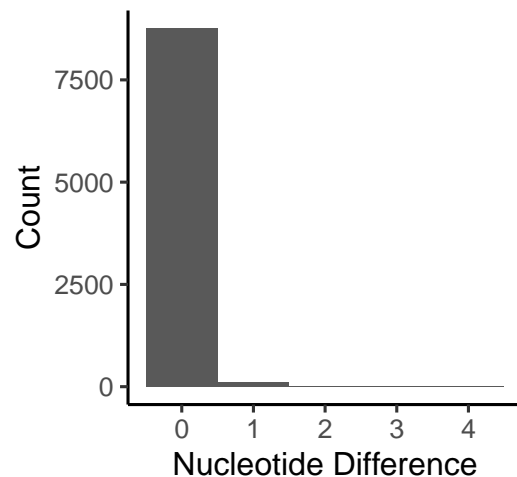
TRBV19*ap01

9923 sequences assigned
9791 (98.7%) exact matches, in which:
9635 unique CDR3
13 unique J



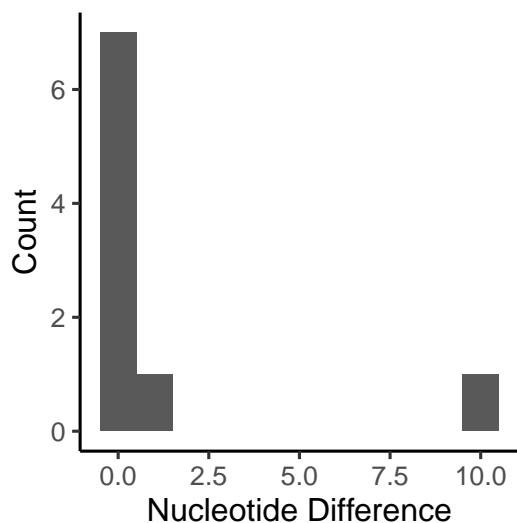
TRBV28*ap01

8866 sequences assigned
8758 (98.8%) exact matches, in which:
8581 unique CDR3
13 unique J



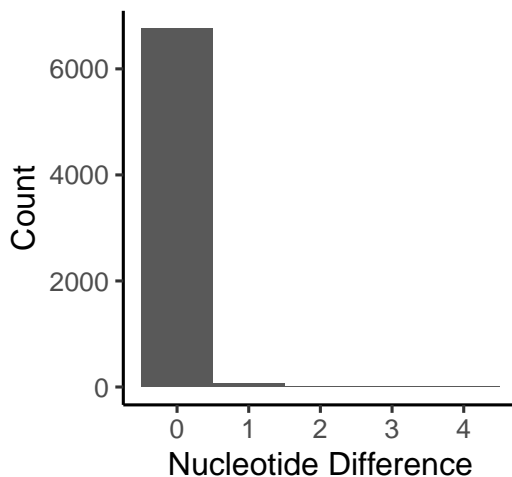
TRBV17*ap01

9 sequences assigned
7 (77.8%) exact matches, in which:
6 unique CDR3
5 unique J



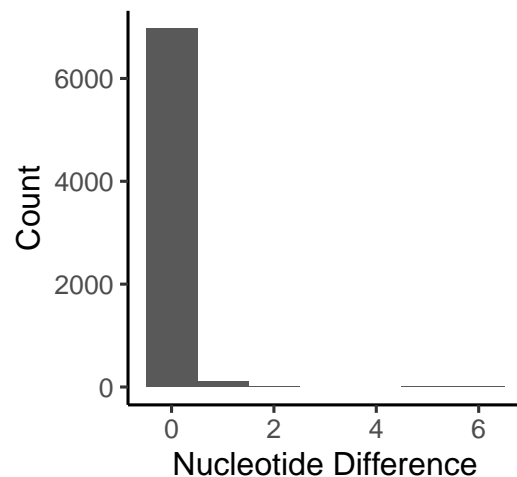
TRBV2*ap01

6838 sequences assigned
6757 (98.8%) exact matches, in which:
6631 unique CDR3
13 unique J



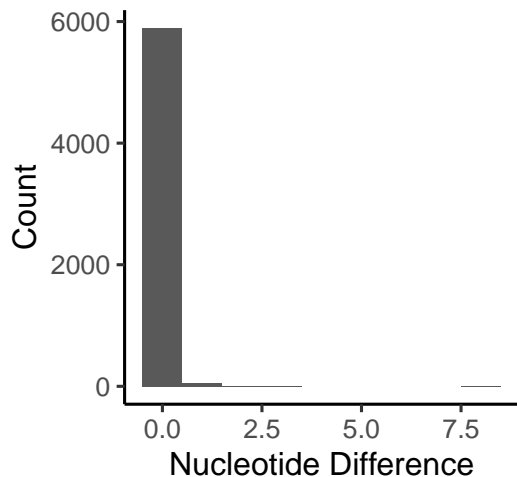
TRBV30*ap01

7095 sequences assigned
6967 (98.2%) exact matches, in which:
6894 unique CDR3
13 unique J



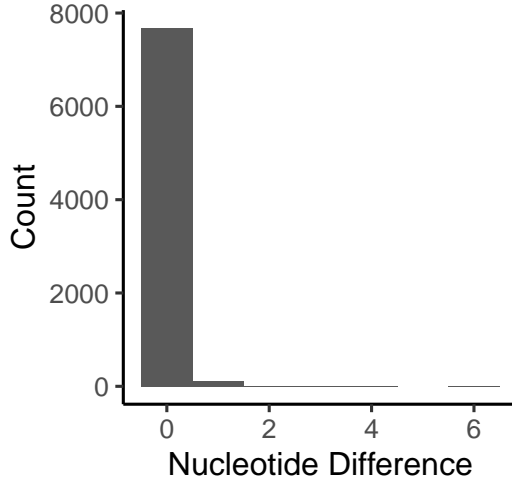
TRBV18*ap01

5946 sequences assigned
5893 (99.1%) exact matches, in which:
5807 unique CDR3
13 unique J



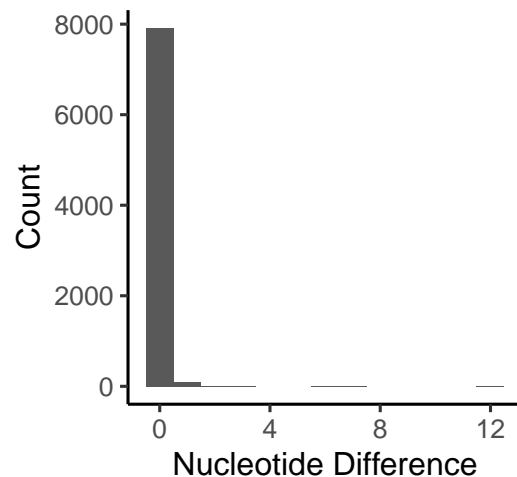
TRBV27*ap01

7798 sequences assigned
7678 (98.5%) exact matches, in which:
7484 unique CDR3
13 unique J



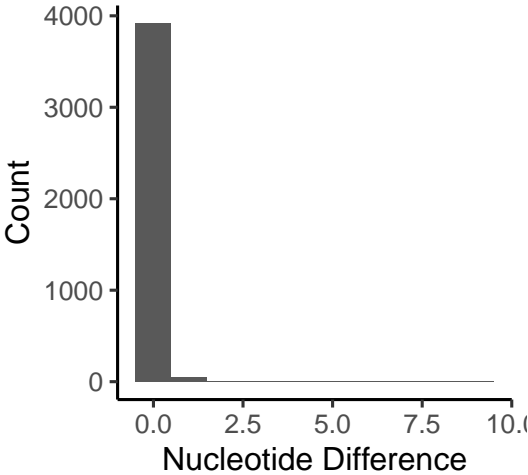
TRBV9*ap01

8018 sequences assigned
7914 (98.7%) exact matches, in which:
7744 unique CDR3
13 unique J



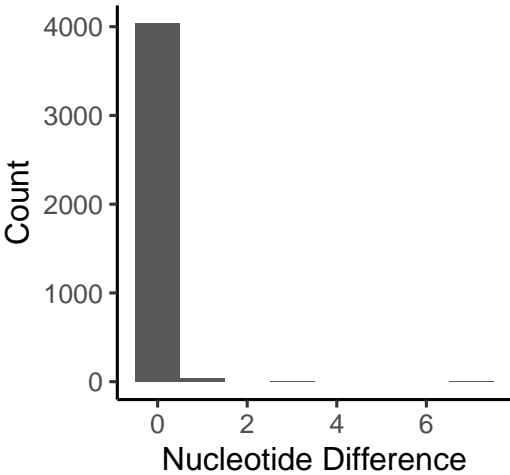
TRBV21-1*ap01

3988 sequences assigned
3917 (98.2%) exact matches, in which:
3857 unique CDR3
13 unique J



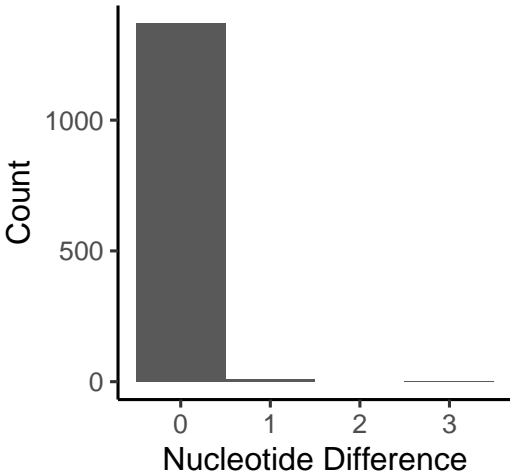
TRBV11-3*ap01

4079 sequences assigned
4037 (99%) exact matches, in which:
3942 unique CDR3
13 unique J



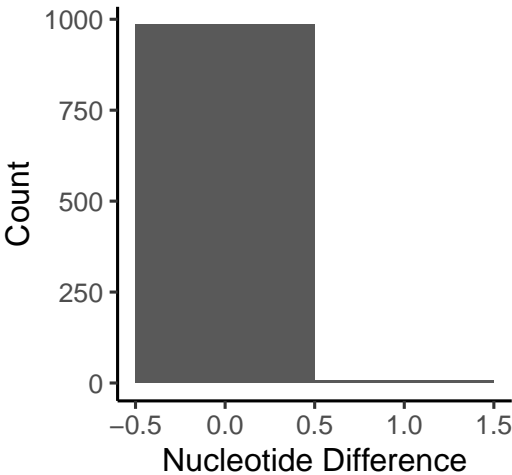
TRBV12-5*ap01

1380 sequences assigned
1370 (99.3%) exact matches, in which:
1339 unique CDR3
13 unique J



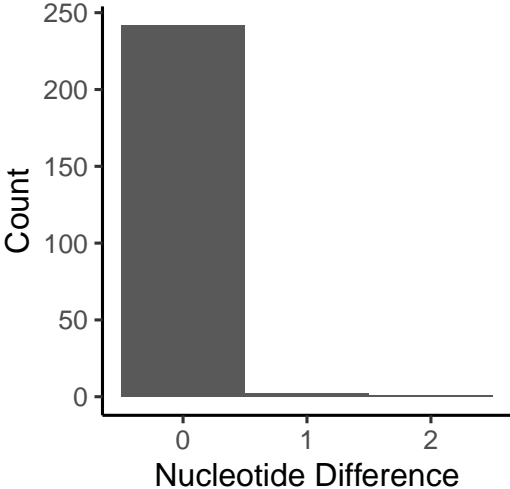
TRBV11-1*ap01

993 sequences assigned
985 (99.2%) exact matches, in which:
961 unique CDR3
13 unique J



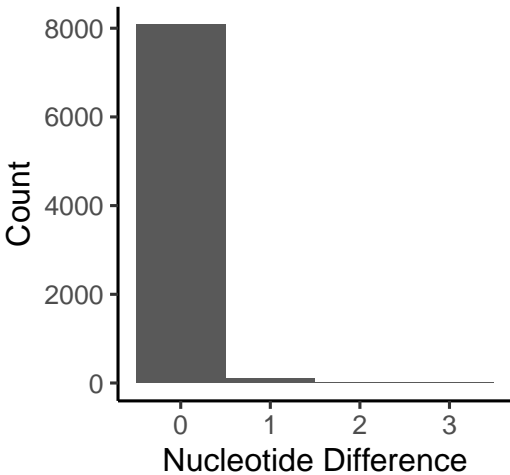
TRBV12-1*ap01

245 sequences assigned
242 (98.8%) exact matches, in which:
237 unique CDR3
13 unique J



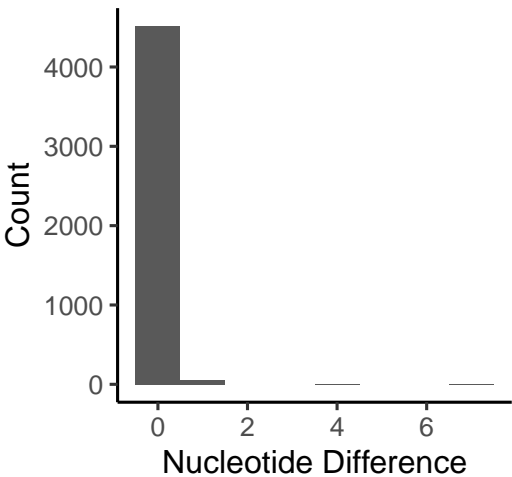
TRBV12-34*ap01

8178 sequences assigned
8079 (98.8%) exact matches, in which:
7926 unique CDR3
13 unique J



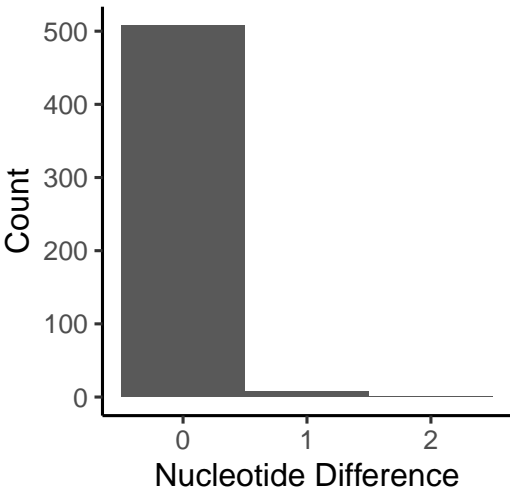
TRBV11-2*ap01

4576 sequences assigned
4516 (98.7%) exact matches, in which:
4423 unique CDR3
13 unique J



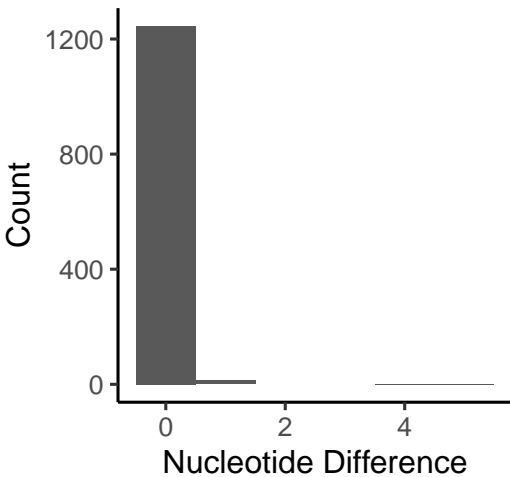
TRBV12-2*ap01

517 sequences assigned
508 (98.3%) exact matches, in which:
494 unique CDR3
13 unique J



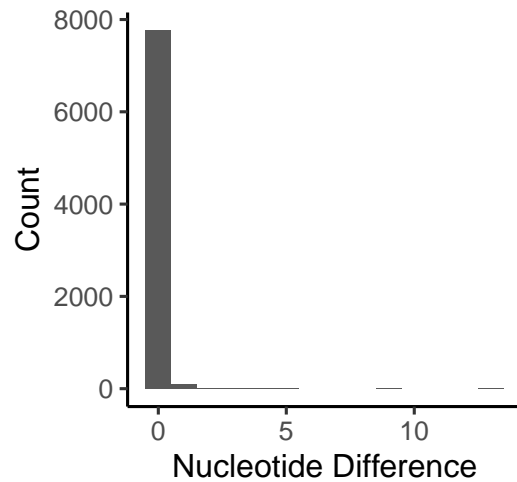
TRBV23-1*ap01

1261 sequences assigned
1245 (98.7%) exact matches, in which:
1219 unique CDR3
13 unique J



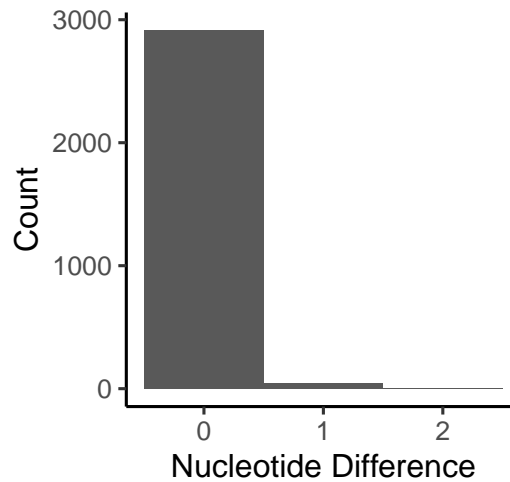
TRBV3-12*ap01

7871 sequences assigned
7764 (98.6%) exact matches, in which:
7608 unique CDR3
14 unique J



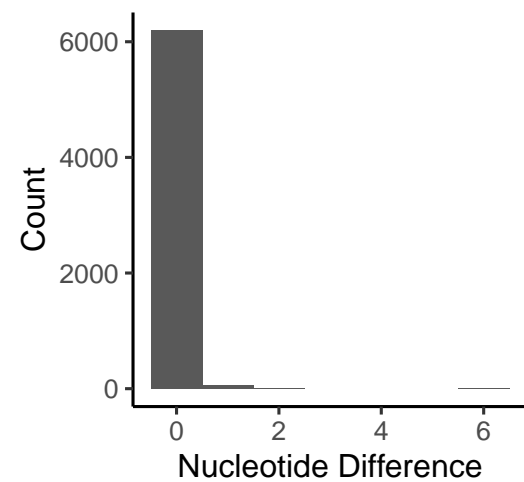
TRBV4-2*ap01

2958 sequences assigned
2913 (98.5%) exact matches, in which:
2854 unique CDR3
13 unique J



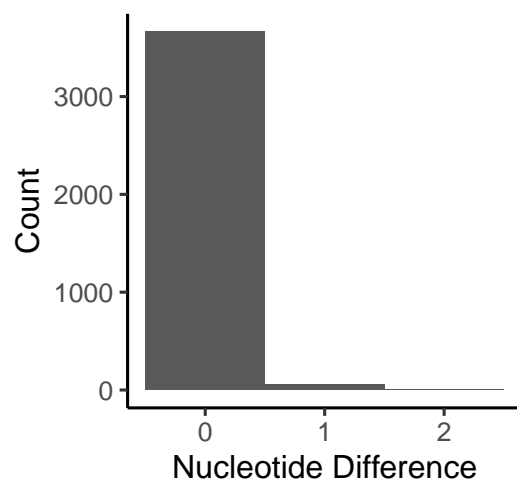
TRBV5-1*ap01

6265 sequences assigned
6196 (98.9%) exact matches, in which:
6041 unique CDR3
13 unique J



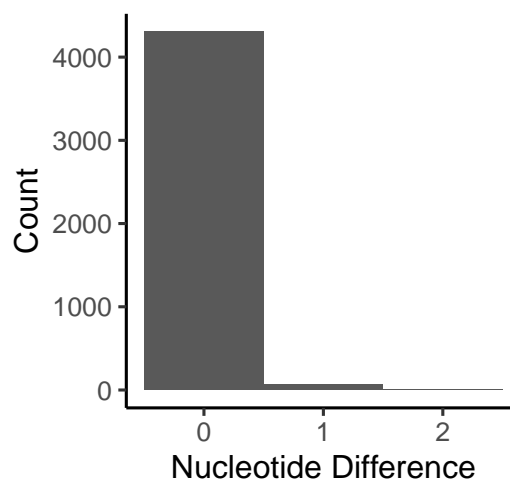
TRBV4-1*ap01

3721 sequences assigned
3663 (98.4%) exact matches, in which:
3607 unique CDR3
13 unique J



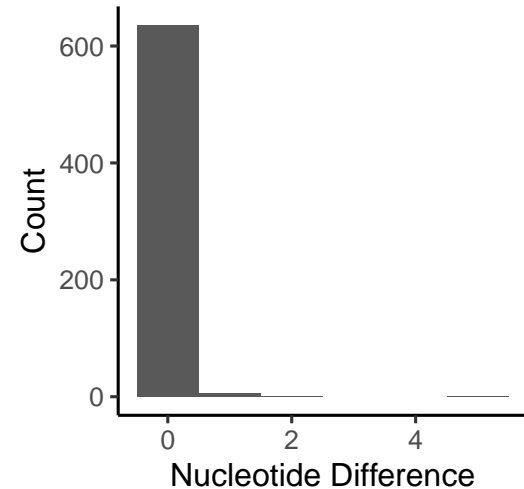
TRBV4-3*ap01

4371 sequences assigned
4305 (98.5%) exact matches, in which:
4238 unique CDR3
13 unique J



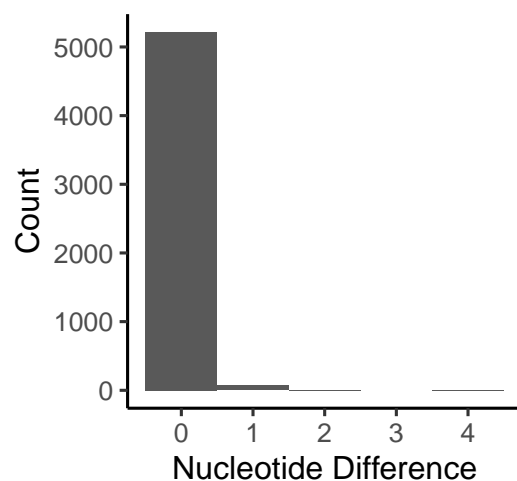
TRBV5-3*ap01

644 sequences assigned
636 (98.8%) exact matches, in which:
617 unique CDR3
13 unique J



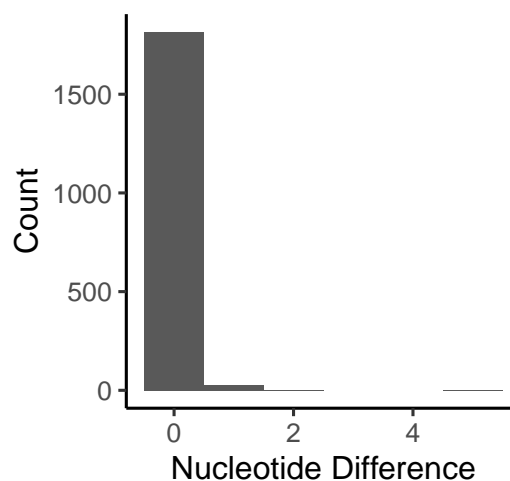
TRBV24-1*ap01

5290 sequences assigned
5217 (98.6%) exact matches, in which:
5143 unique CDR3
14 unique J



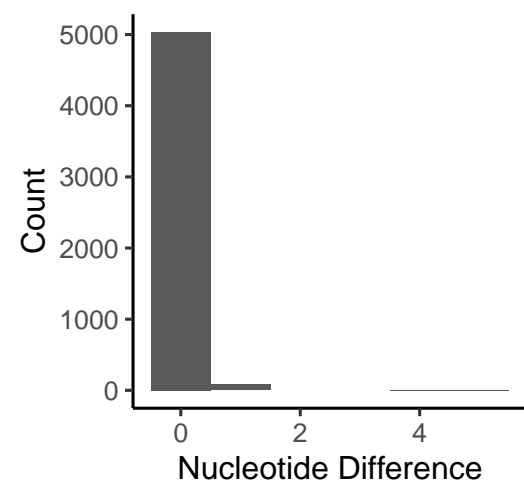
TRBV25-1*ap01

1846 sequences assigned
1815 (98.3%) exact matches, in which:
1790 unique CDR3
13 unique J



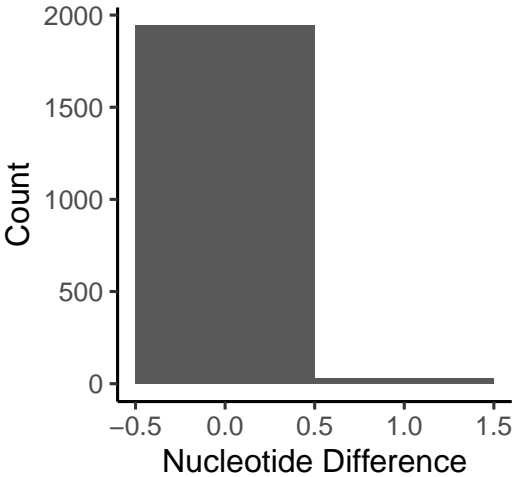
TRBV5-4*ap01

5123 sequences assigned
5036 (98.3%) exact matches, in which:
4938 unique CDR3
13 unique J



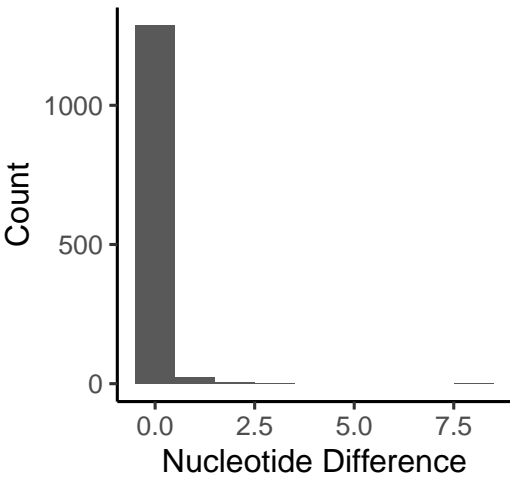
TRBV5-5*ap01

1972 sequences assigned
1944 (98.6%) exact matches, in which:
1925 unique CDR3
13 unique J



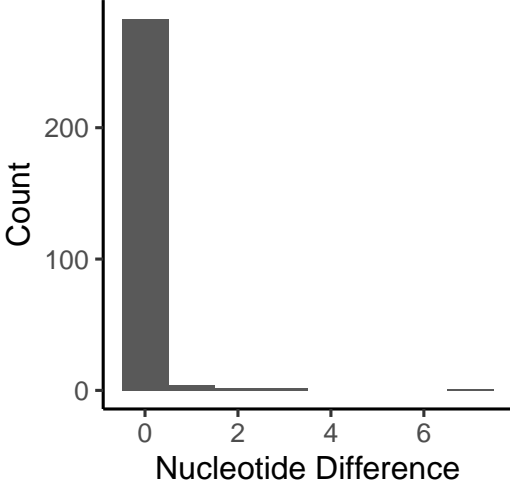
TRBV5-8*ap01

1321 sequences assigned
1287 (97.4%) exact matches, in which:
1259 unique CDR3
13 unique J



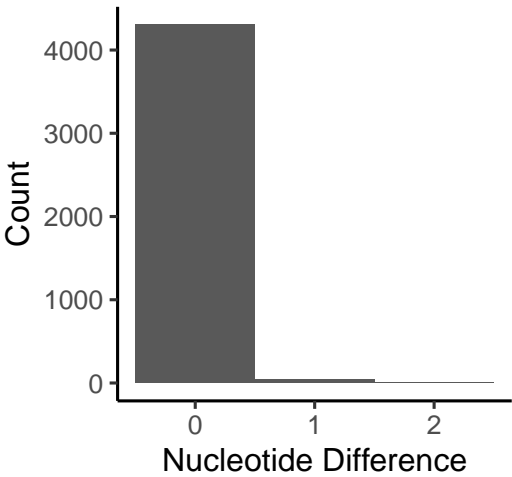
TRBV6-7*ap01

292 sequences assigned
283 (96.9%) exact matches, in which:
275 unique CDR3
13 unique J



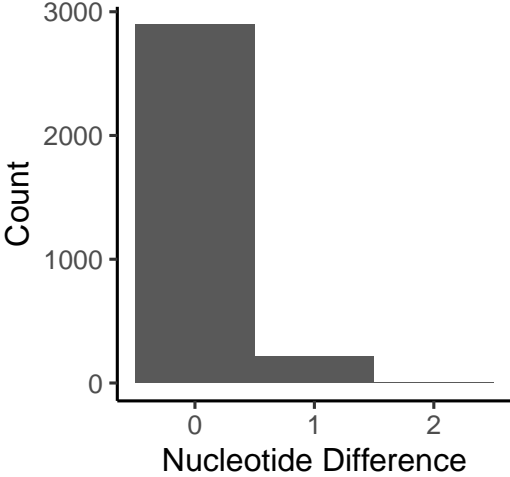
TRBV5-6*ap01

4353 sequences assigned
4304 (98.9%) exact matches, in which:
4242 unique CDR3
13 unique J



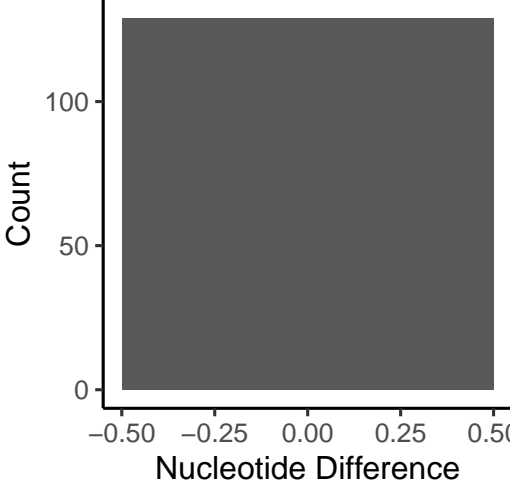
TRBV6-1*ap01

3108 sequences assigned
2895 (93.1%) exact matches, in which:
2839 unique CDR3
13 unique J



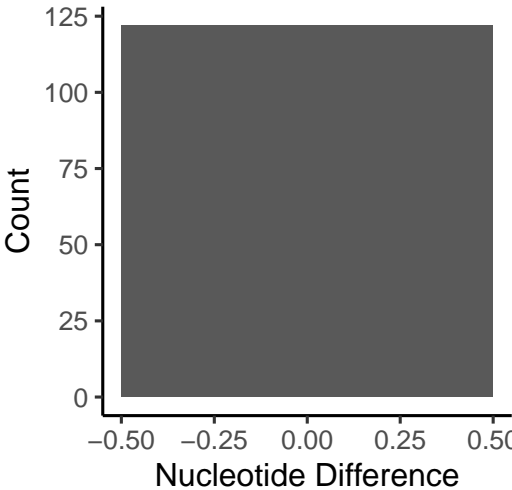
TRBV6-8*ap01

129 sequences assigned
129 (100%) exact matches, in which:
128 unique CDR3
13 unique J



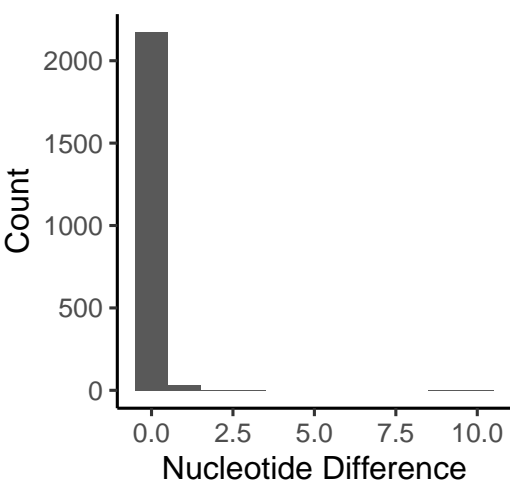
TRBV5-7*ap01

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



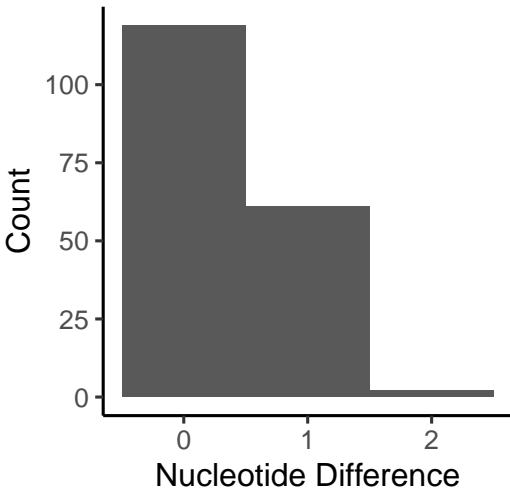
TRBV6-4*ap01

2212 sequences assigned
2174 (98.3%) exact matches, in which:
2131 unique CDR3
13 unique J



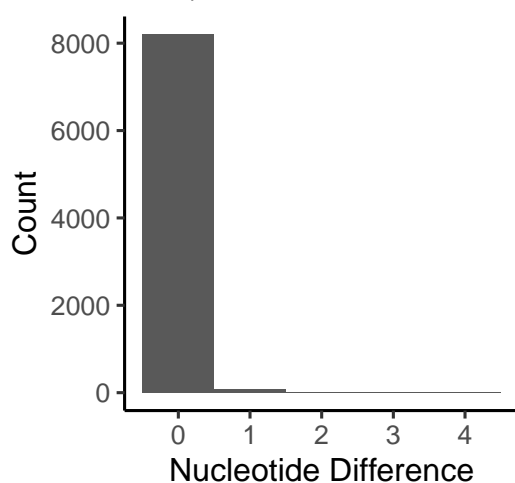
TRBV6-9*ap01

182 sequences assigned
119 (65.4%) exact matches, in which:
114 unique CDR3
12 unique J



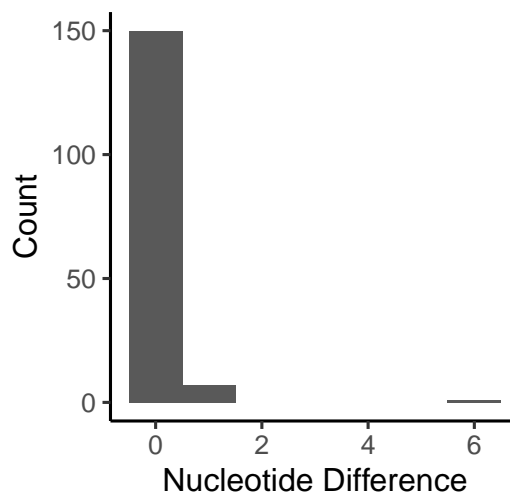
TRBV6-23*ap01

8292 sequences assigned
8201 (98.9%) exact matches, in which:
8063 unique CDR3
13 unique J



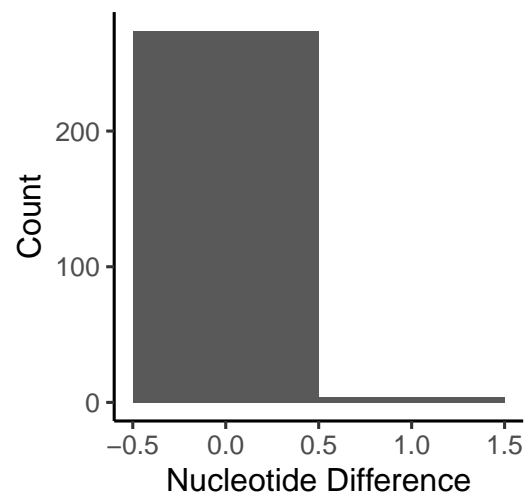
TRBV7-1*ap01_G291C_

158 sequences assigned
150 (94.9%) exact matches, in which:
147 unique CDR3
13 unique J



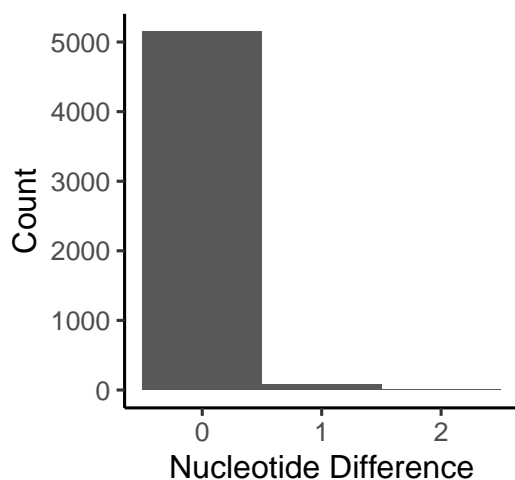
TRBV7-4*ap01

278 sequences assigned
274 (98.6%) exact matches, in which:
268 unique CDR3
13 unique J



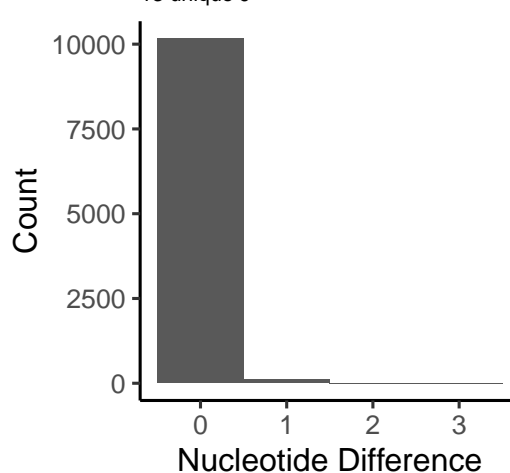
TRBV6-56*ap01

5232 sequences assigned
5148 (98.4%) exact matches, in which:
5029 unique CDR3
13 unique J



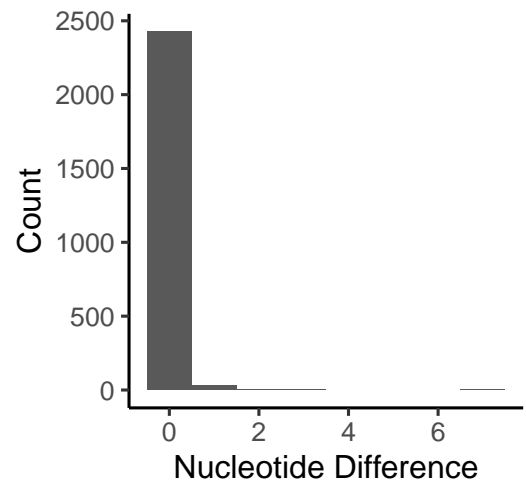
TRBV7-2*ap01

10283 sequences assigned
10168 (98.9%) exact matches, in which:
9950 unique CDR3
13 unique J



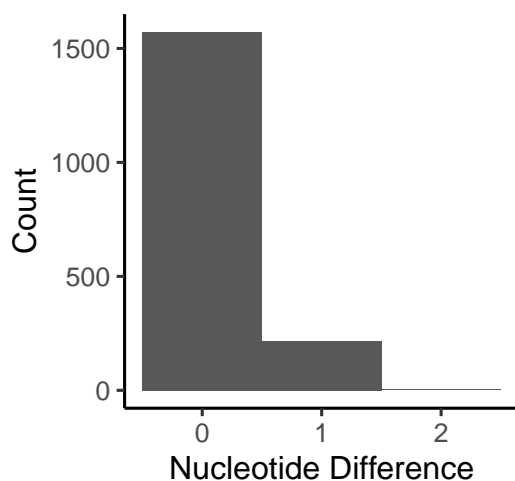
TRBV7-6*ap01

2462 sequences assigned
2426 (98.5%) exact matches, in which:
2366 unique CDR3
13 unique J



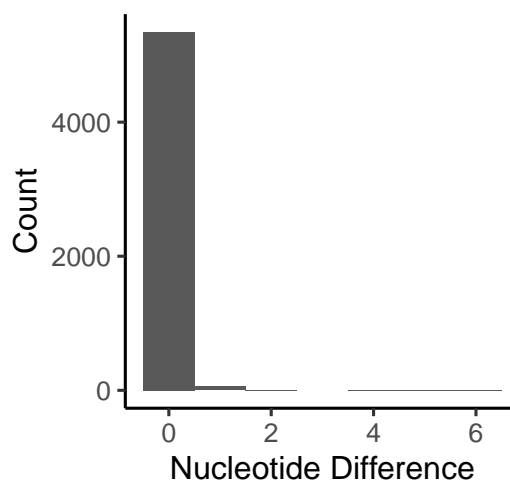
TRBV6-56*ap02

1793 sequences assigned
1572 (87.7%) exact matches, in which:
1545 unique CDR3
13 unique J



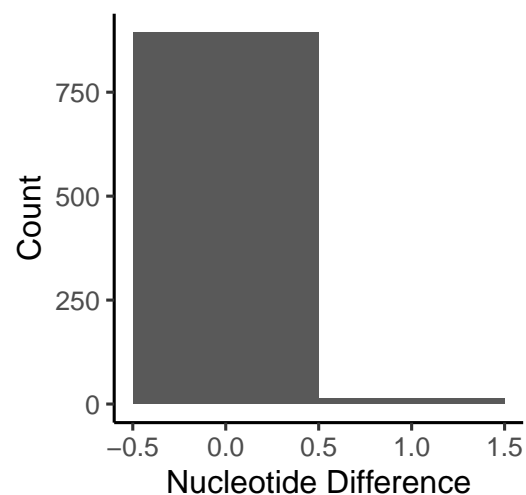
TRBV7-3*ap01

5407 sequences assigned
5344 (98.8%) exact matches, in which:
5232 unique CDR3
14 unique J



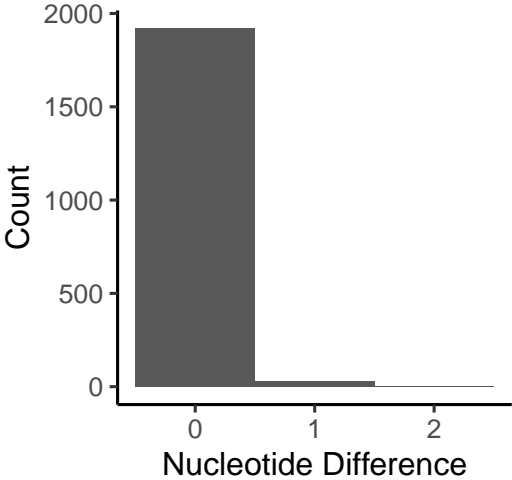
TRBV7-7*ap01_C315T

907 sequences assigned
894 (98.6%) exact matches, in which:
876 unique CDR3
13 unique J



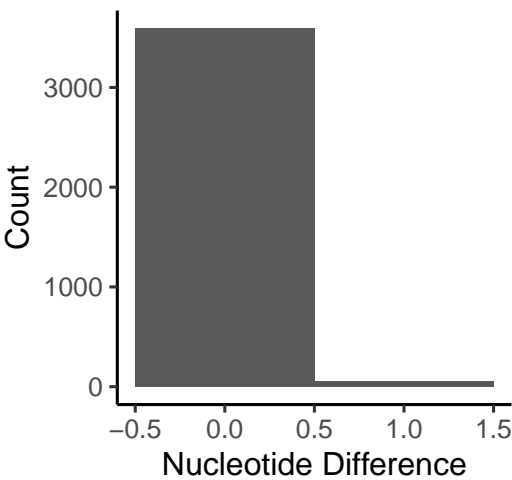
TRBV7-8*ap01

1949 sequences assigned
1920 (98.5%) exact matches, in which:
1877 unique CDR3
13 unique J



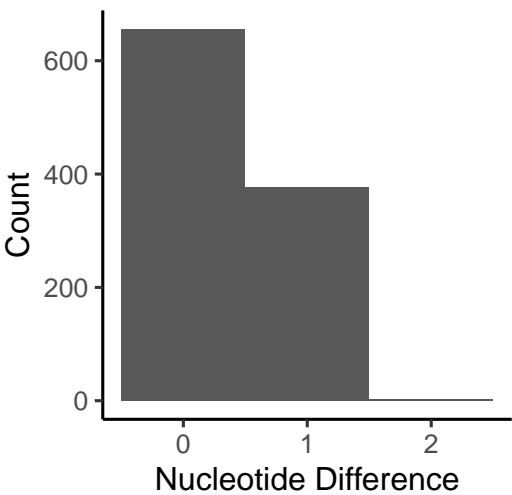
TRBV29-1*ap01

3651 sequences assigned
3592 (98.4%) exact matches, in which:
3536 unique CDR3
13 unique J



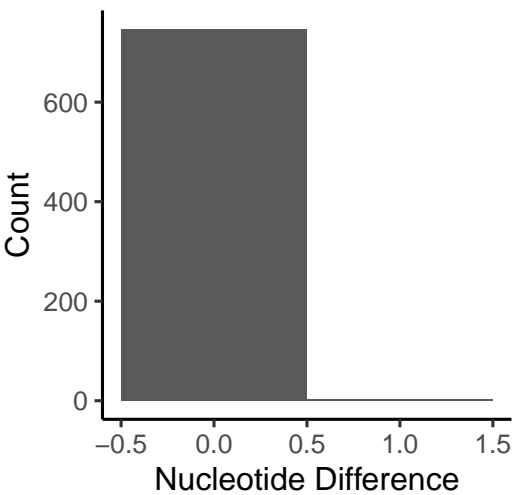
TRBV7-8*ap03

1036 sequences assigned
656 (63.3%) exact matches, in which:
647 unique CDR3
13 unique J



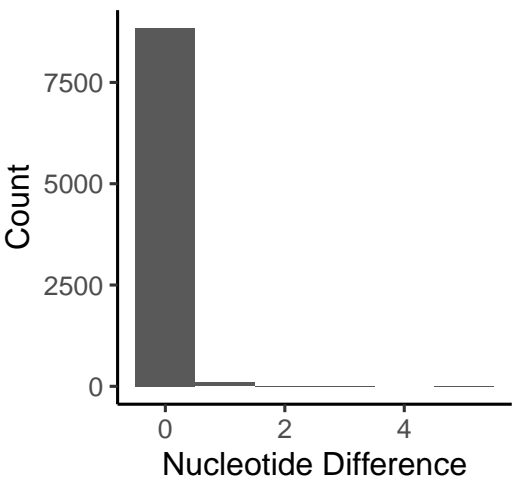
TRBV29-1*ap02

750 sequences assigned
747 (99.6%) exact matches, in which:
738 unique CDR3
13 unique J

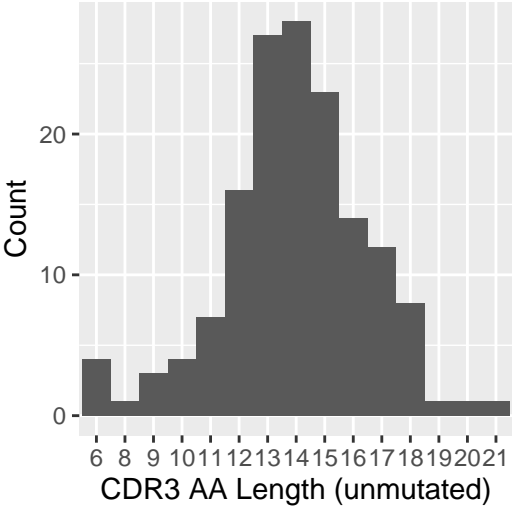


TRBV7-9*ap01

8938 sequences assigned
8842 (98.9%) exact matches, in which:
8684 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

