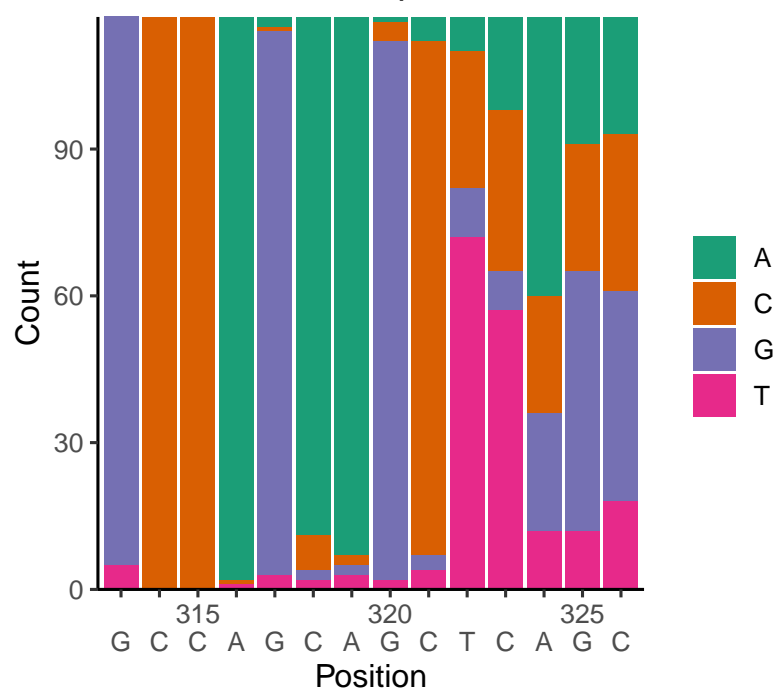
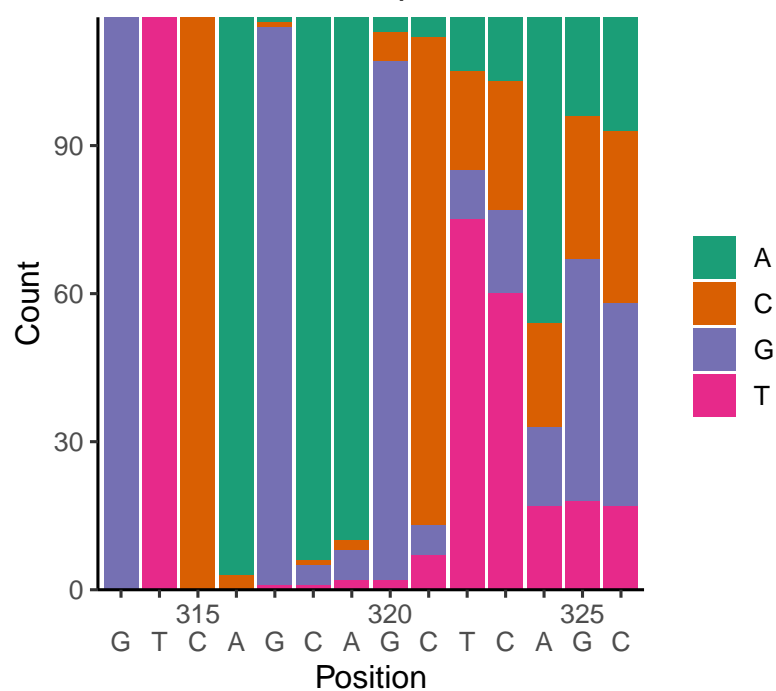


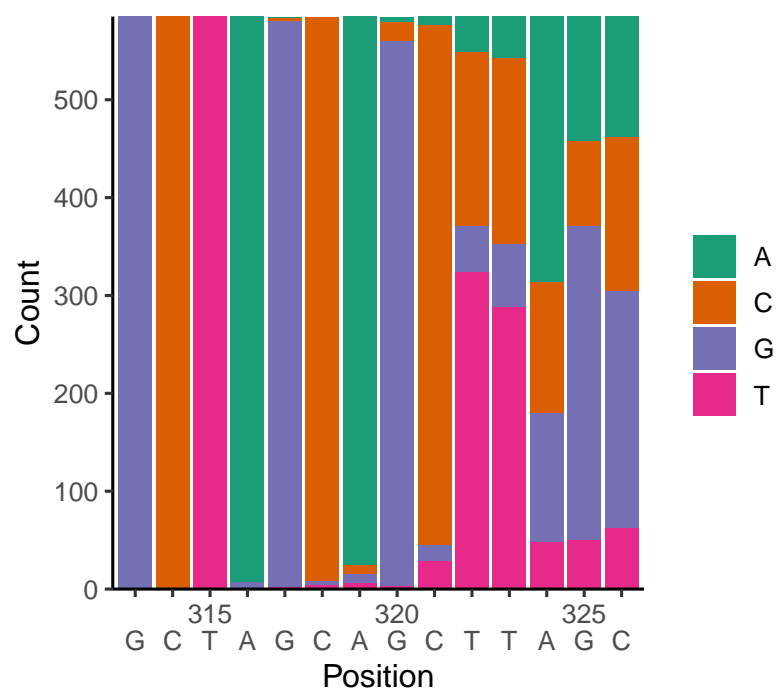
Gene TRBV7-1*ap01_G291C_T296C



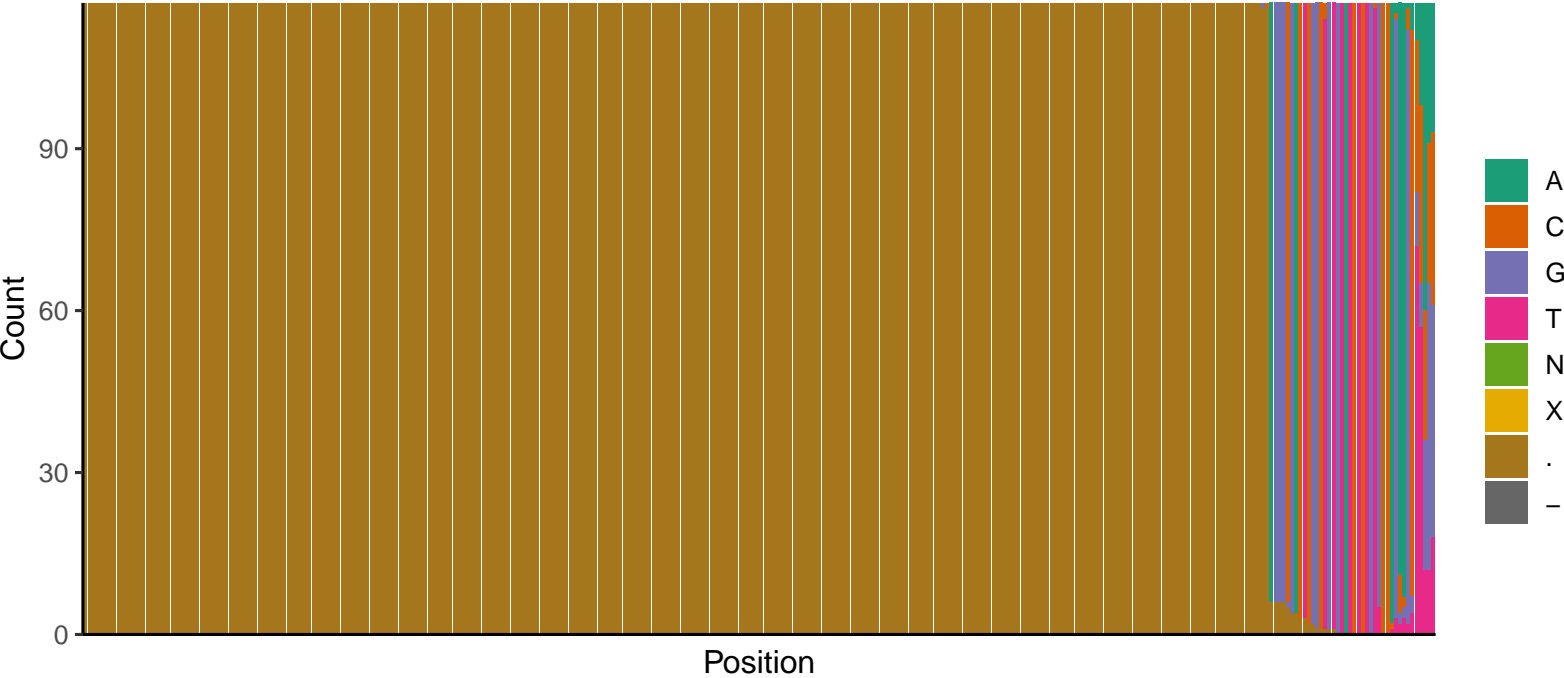
Gene TRBV7-1*ap01_G291C_T296C_C314T



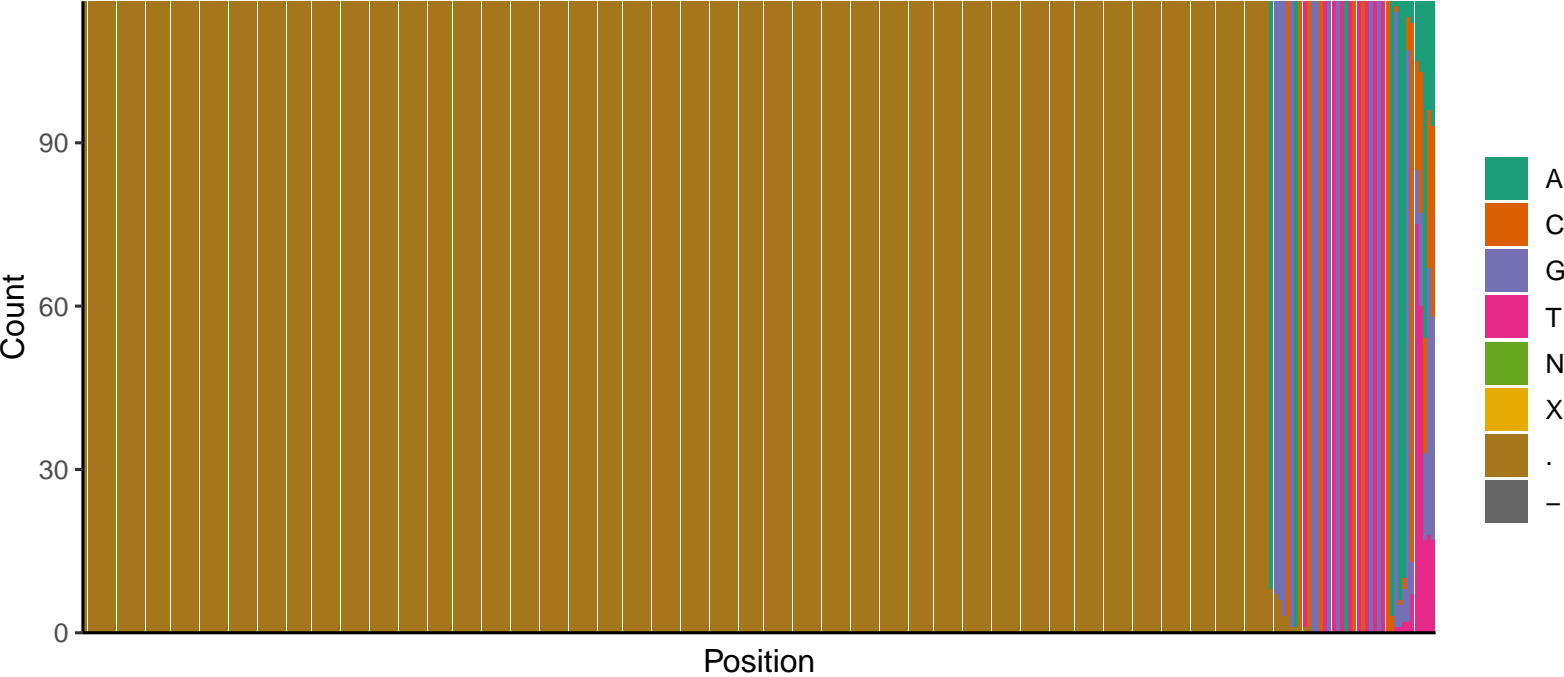
Gene TRBV7-7*ap01_C315T



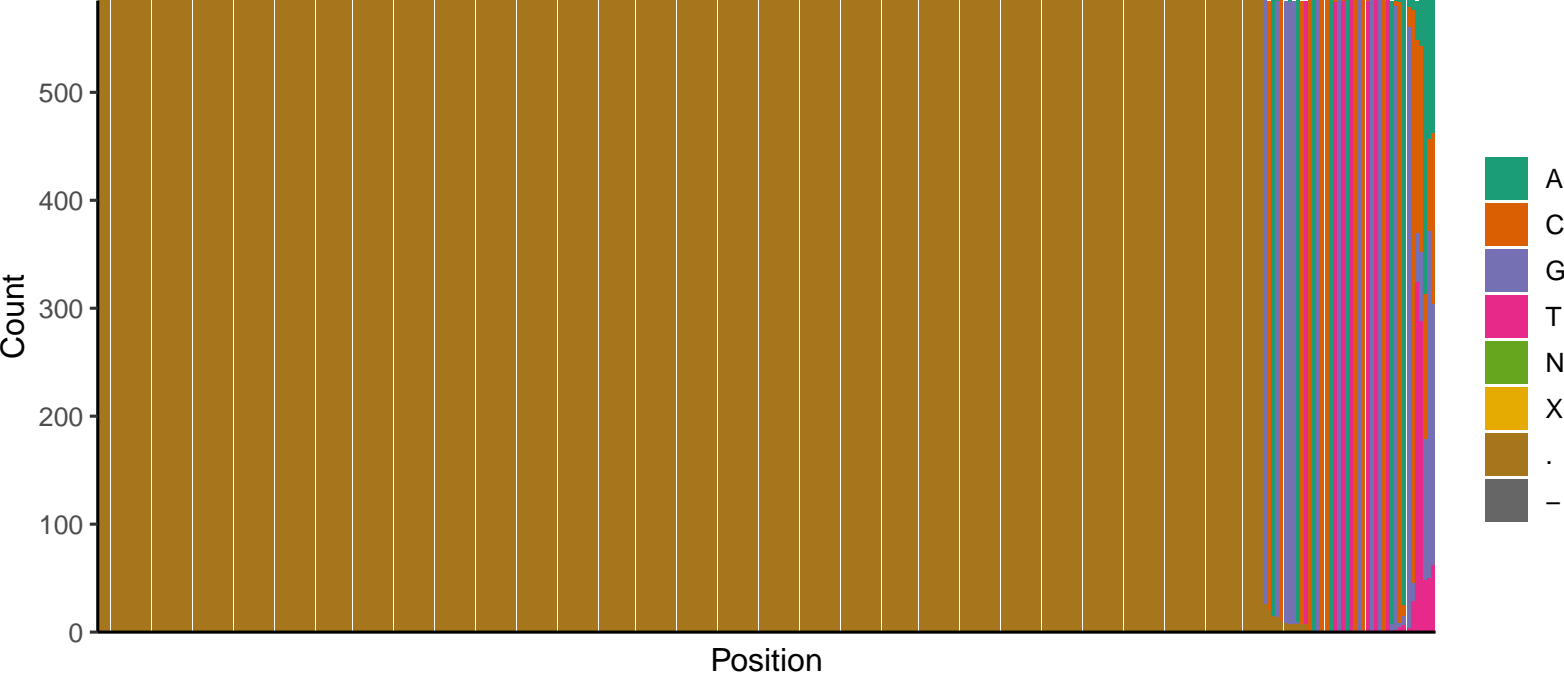
Gene TRBV7-1*ap01_G291C_T296C



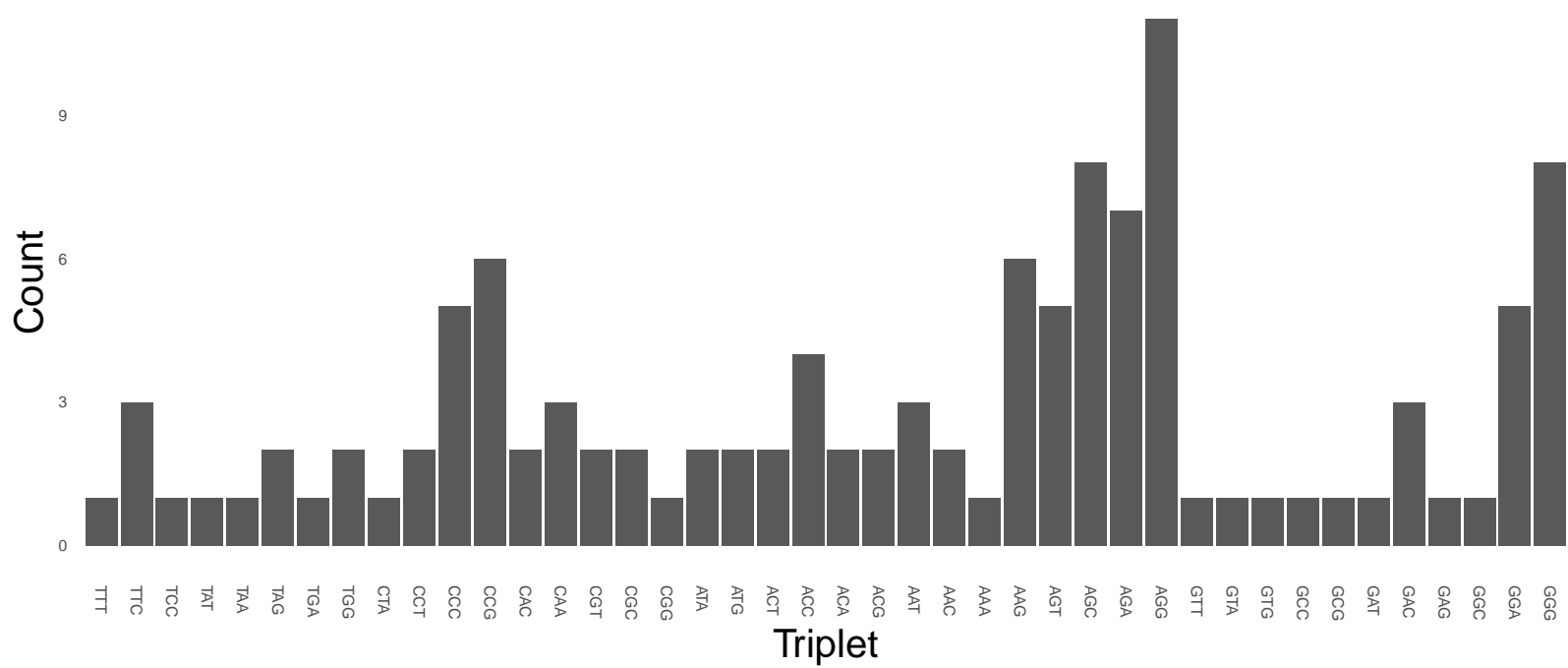
Gene TRBV7-1*ap01_G291C_T296C_C314T



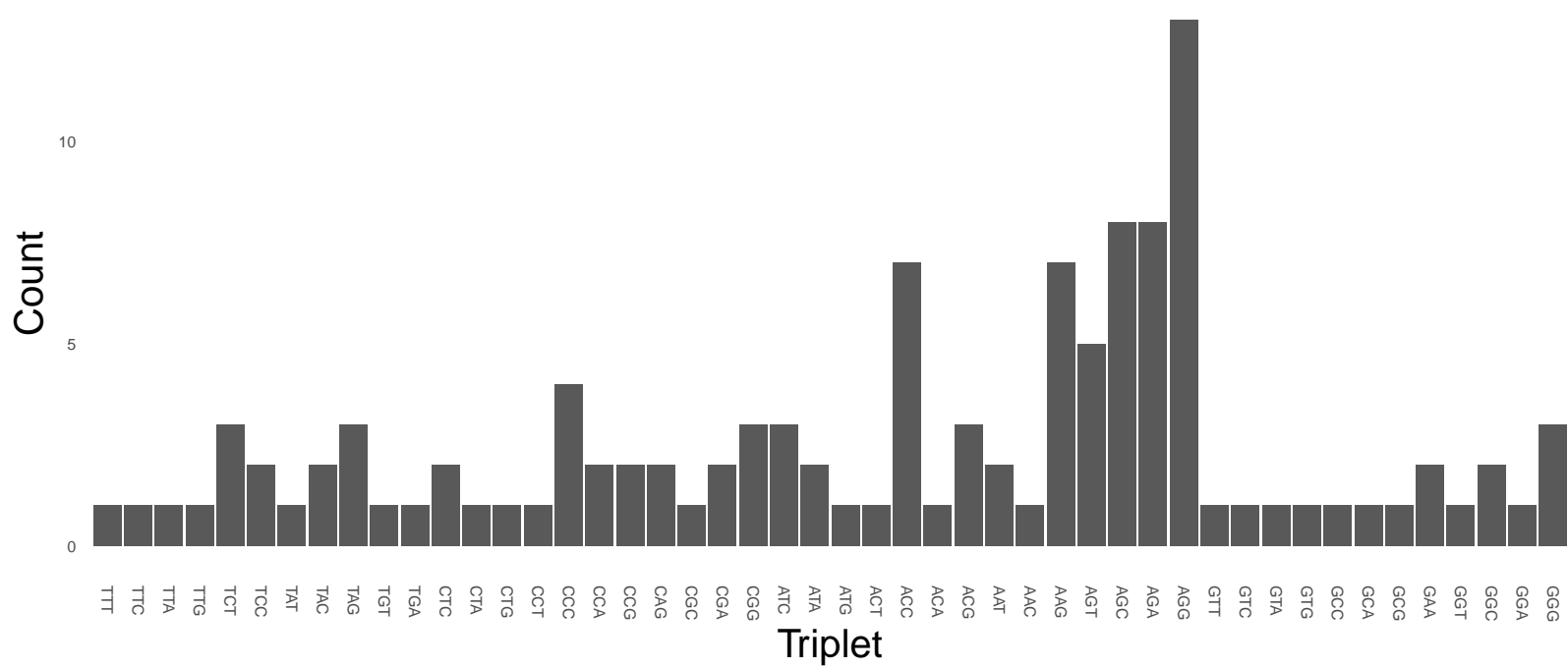
Gene TRBV7-7*ap01_C315T



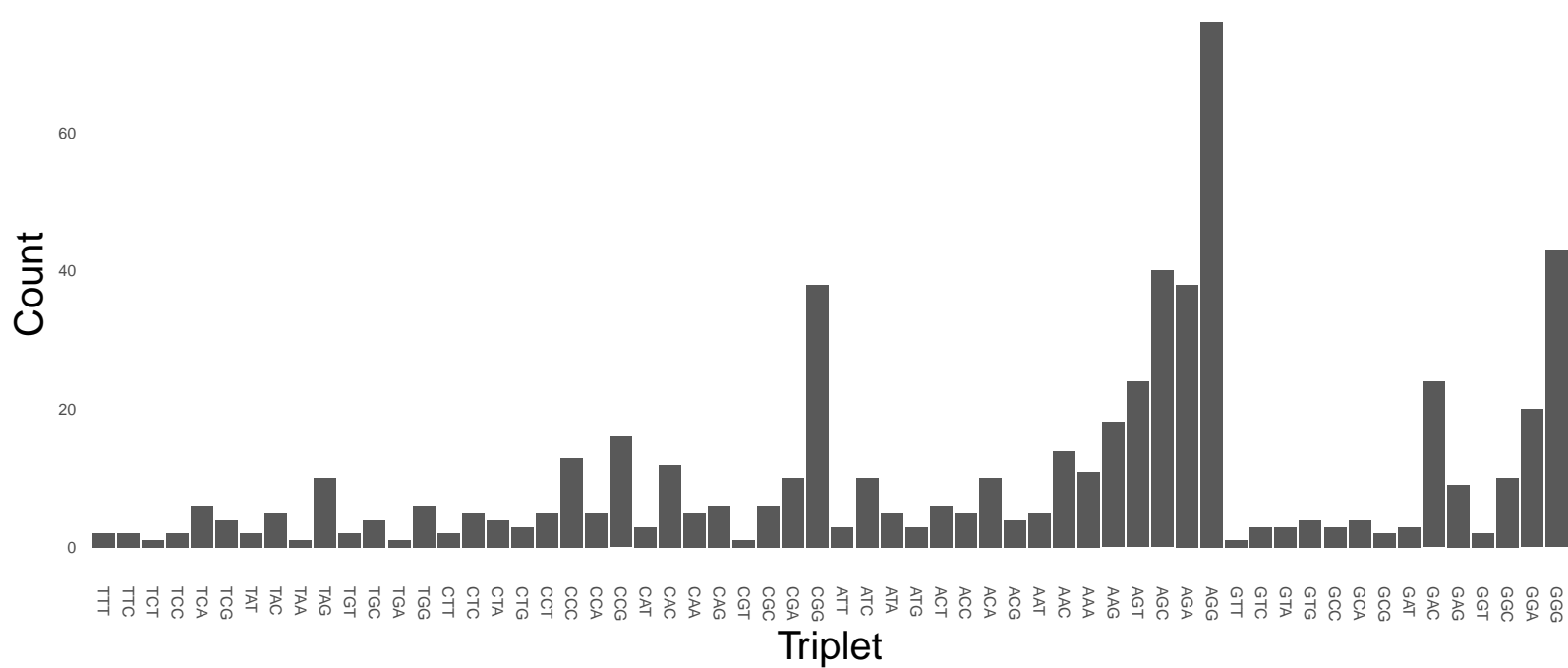
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

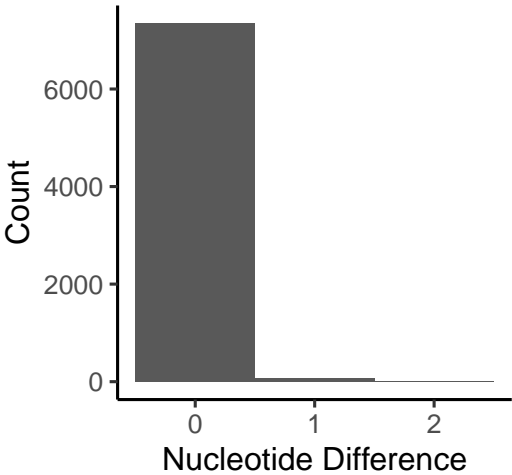


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



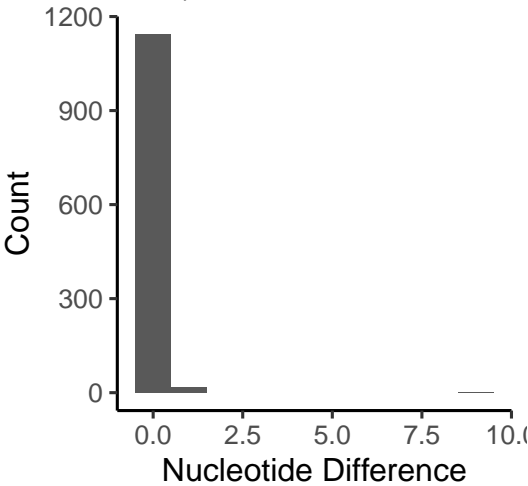
TRBV20-1*ap01

7408 sequences assigned
7345 (99.1%) exact matches, in which:
7160 unique CDR3
13 unique J



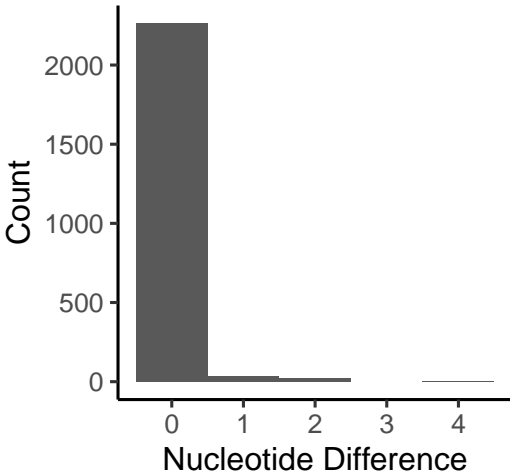
TRBV10-2*ap01

1161 sequences assigned
1143 (98.4%) exact matches, in which:
1101 unique CDR3
13 unique J



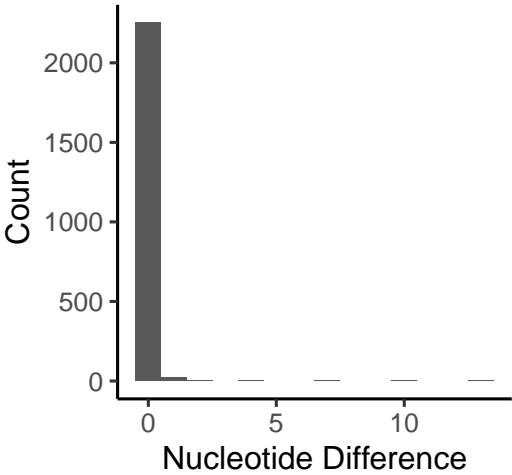
TRBV13*ap01

2318 sequences assigned
2263 (97.6%) exact matches, in which:
2187 unique CDR3
13 unique J



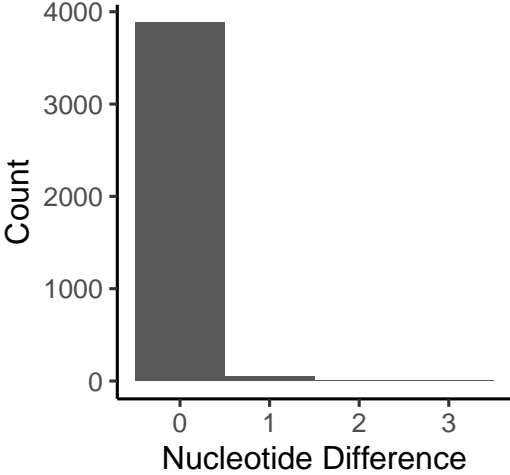
TRBV10-1*ap01

2284 sequences assigned
2252 (98.6%) exact matches, in which:
2190 unique CDR3
14 unique J



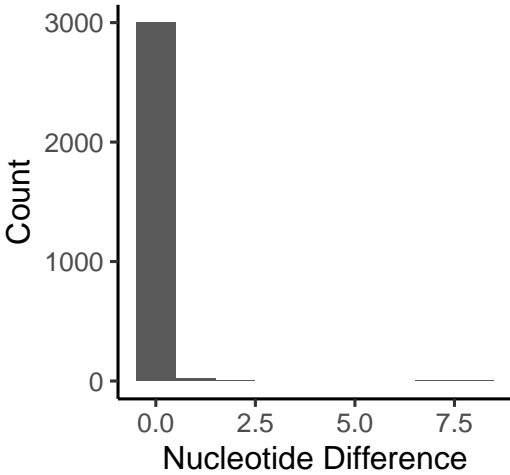
TRBV10-3*ap01

3944 sequences assigned
3881 (98.4%) exact matches, in which:
3774 unique CDR3
13 unique J



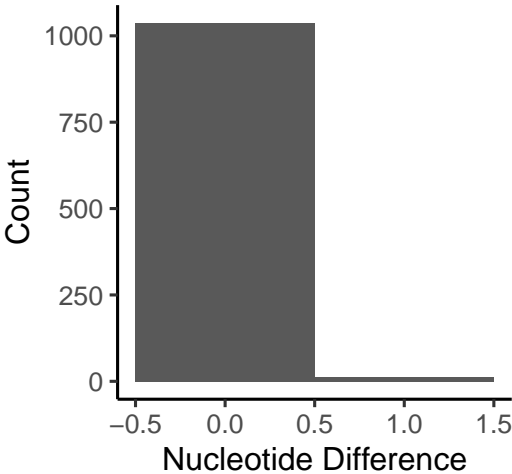
TRBV14*ap01

3025 sequences assigned
2999 (99.1%) exact matches, in which:
2926 unique CDR3
13 unique J



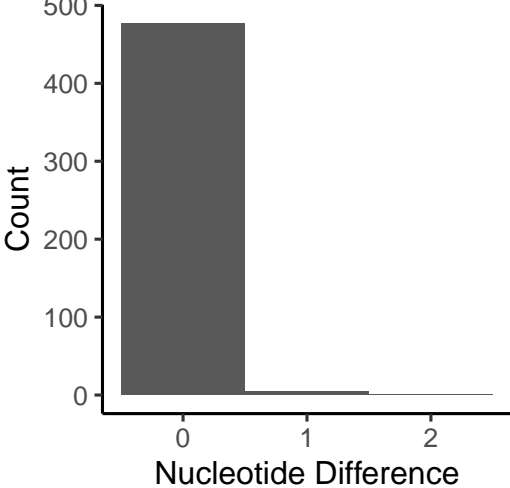
TRBV20-1*ap02

1049 sequences assigned
1037 (98.9%) exact matches, in which:
1013 unique CDR3
13 unique J



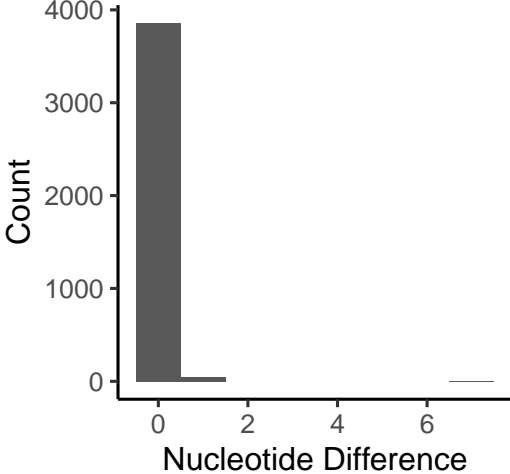
TRBV1*ap01

482 sequences assigned
477 (99%) exact matches, in which:
469 unique CDR3
13 unique J



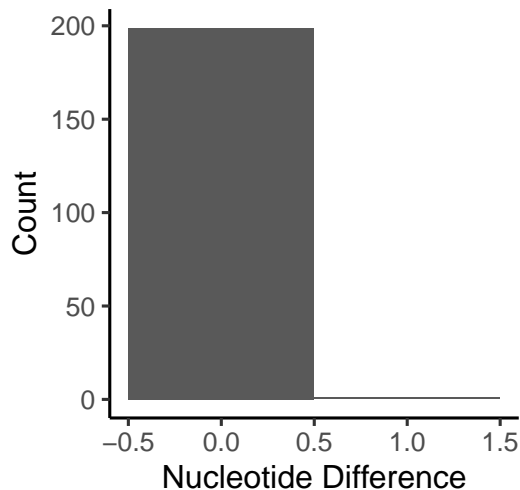
TRBV15*ap02

3905 sequences assigned
3858 (98.8%) exact matches, in which:
3746 unique CDR3
13 unique J



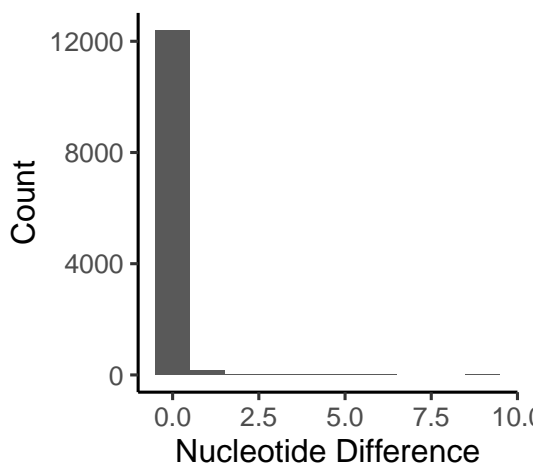
TRBV16*ap01

200 sequences assigned
199 (99.5%) exact matches, in which:
197 unique CDR3
12 unique J



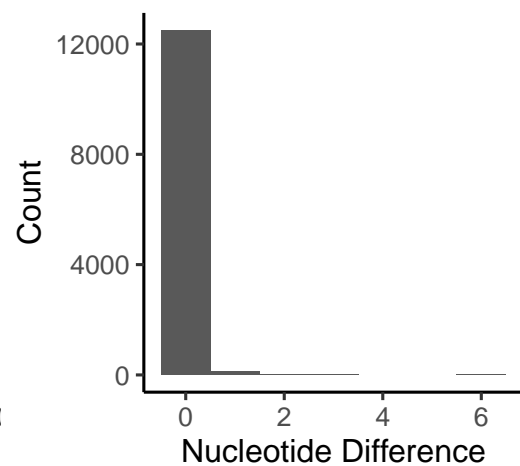
TRBV19*ap01

12572 sequences assigned
12400 (98.6%) exact matches, in which:
12164 unique CDR3
13 unique J



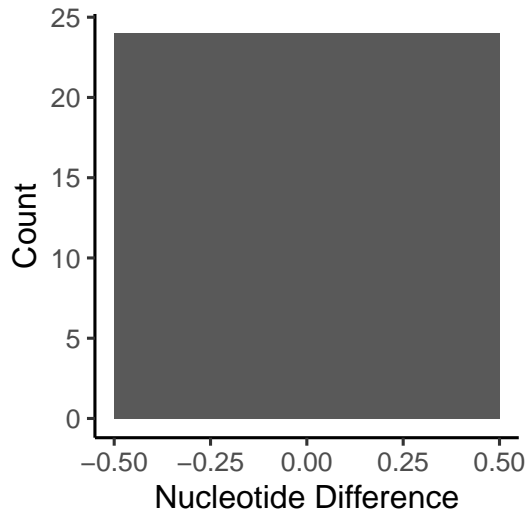
TRBV28*ap01

12645 sequences assigned
12502 (98.9%) exact matches, in which:
12156 unique CDR3
13 unique J



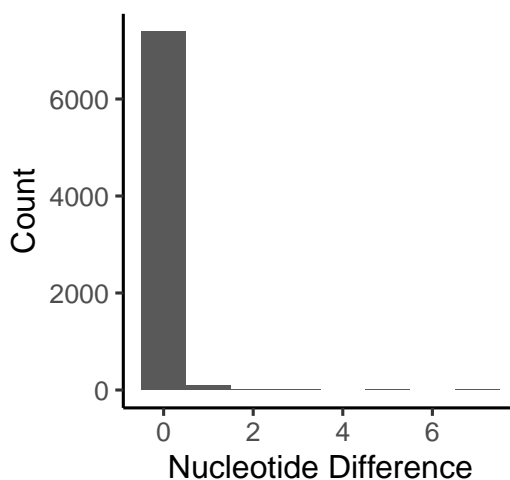
TRBV17*ap01

24 sequences assigned
24 (100%) exact matches, in which:
22 unique CDR3
9 unique J



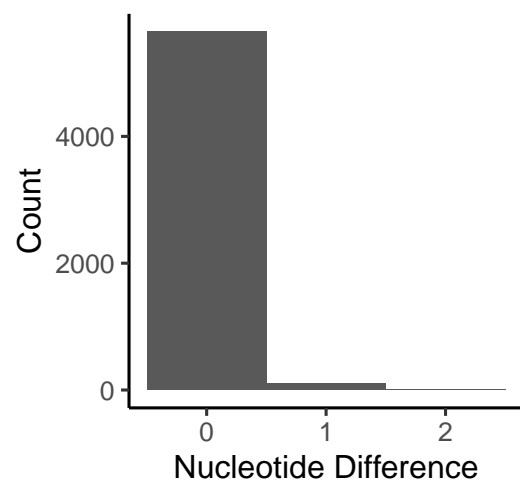
TRBV2*ap01

7497 sequences assigned
7387 (98.5%) exact matches, in which:
7233 unique CDR3
13 unique J



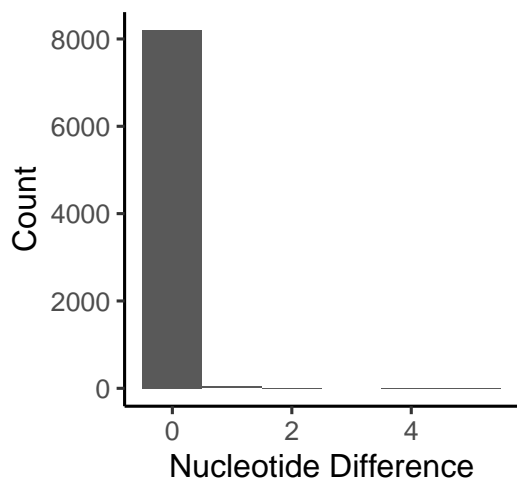
TRBV30*ap01

5757 sequences assigned
5651 (98.2%) exact matches, in which:
5559 unique CDR3
13 unique J



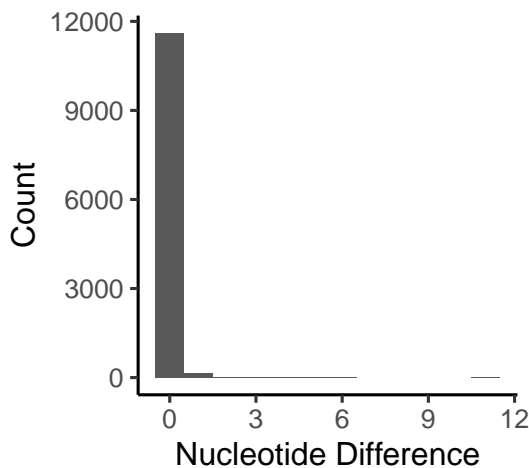
TRBV18*ap01

8252 sequences assigned
8204 (99.4%) exact matches, in which:
8058 unique CDR3
13 unique J



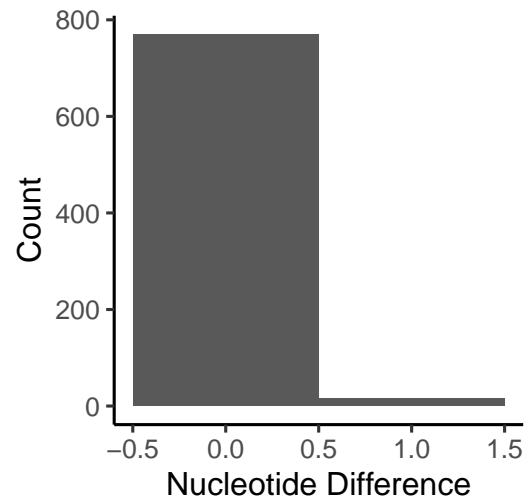
TRBV27*ap01

11793 sequences assigned
11615 (98.5%) exact matches, in which:
11260 unique CDR3
13 unique J



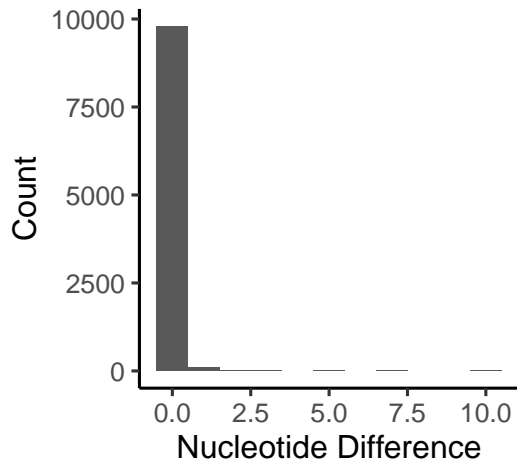
TRBV30*ap03

785 sequences assigned
770 (98.1%) exact matches, in which:
758 unique CDR3
13 unique J



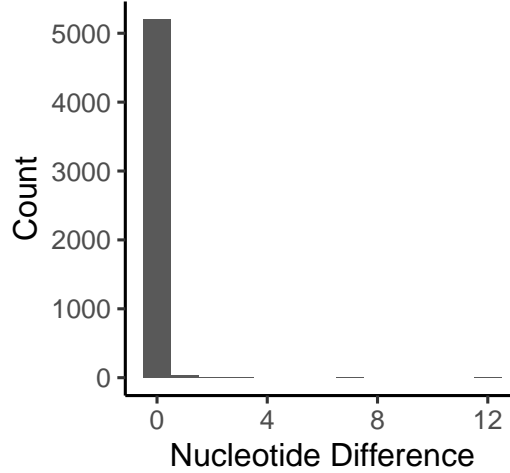
TRBV9*ap01

9897 sequences assigned
9797 (99%) exact matches, in which:
9598 unique CDR3
13 unique J



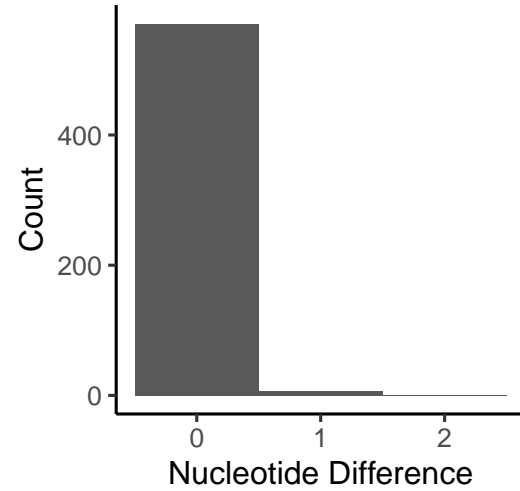
TRBV11-2*ap01

5242 sequences assigned
5201 (99.2%) exact matches, in which:
5093 unique CDR3
13 unique J



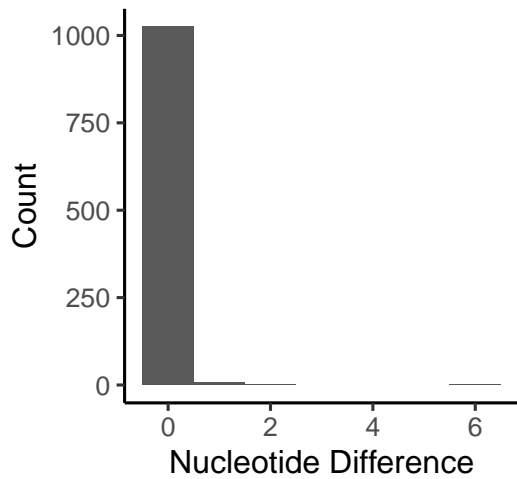
TRBV12-2*ap01

579 sequences assigned
571 (98.6%) exact matches, in which:
560 unique CDR3
13 unique J



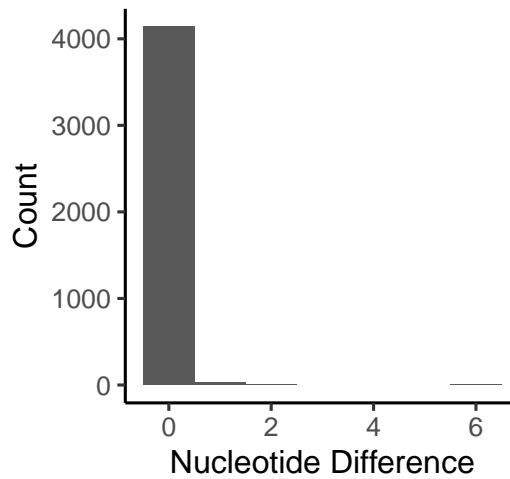
TRBV11-1*ap01

1034 sequences assigned
1025 (99.1%) exact matches, in which:
995 unique CDR3
13 unique J



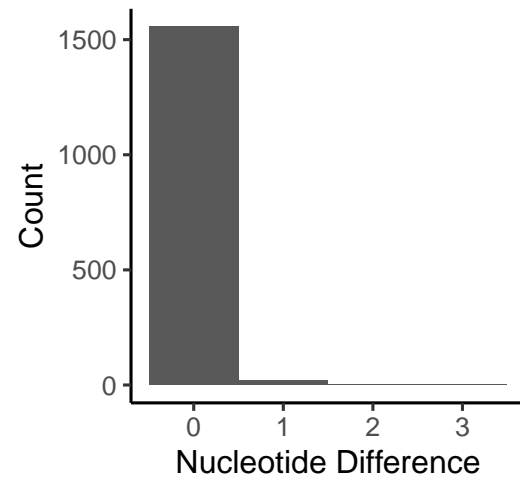
TRBV11-3*ap01

4174 sequences assigned
4140 (99.2%) exact matches, in which:
4047 unique CDR3
13 unique J



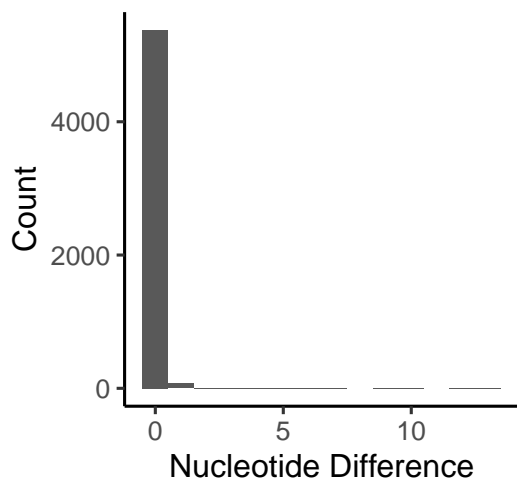
TRBV12-5*ap01

1578 sequences assigned
1556 (98.6%) exact matches, in which:
1522 unique CDR3
13 unique J



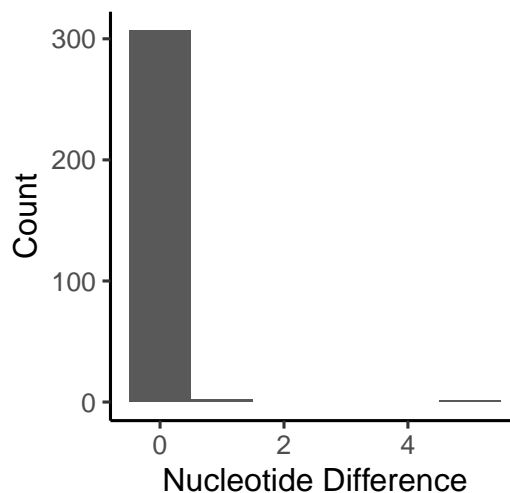
TRBV21-1*ap01

5482 sequences assigned
5376 (98.1%) exact matches, in which:
5240 unique CDR3
13 unique J



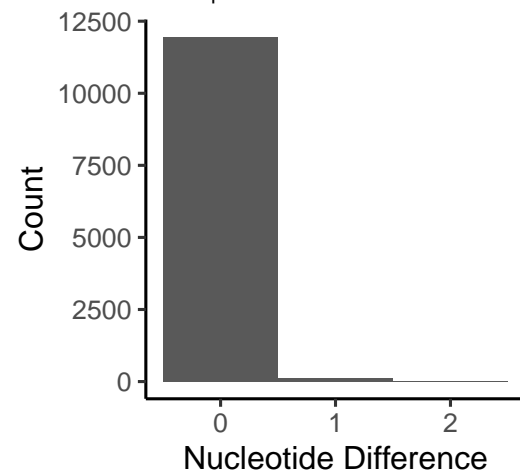
TRBV12-1*ap01

310 sequences assigned
307 (99%) exact matches, in which:
302 unique CDR3
13 unique J



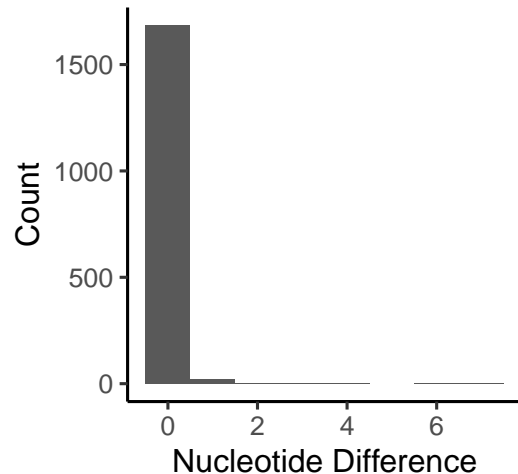
TRBV12-34*ap01

12094 sequences assigned
11959 (98.9%) exact matches, in which:
11662 unique CDR3
13 unique J



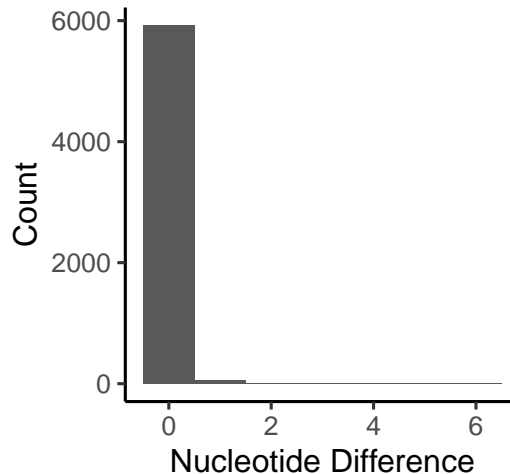
TRBV23-1*ap01

1710 sequences assigned
1684 (98.5%) exact matches, in which:
1631 unique CDR3
13 unique J



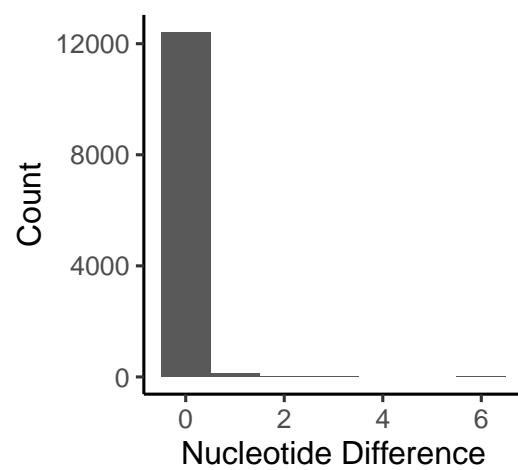
TRBV24-1*ap01

5996 sequences assigned
5921 (98.7%) exact matches, in which:
5799 unique CDR3
13 unique J



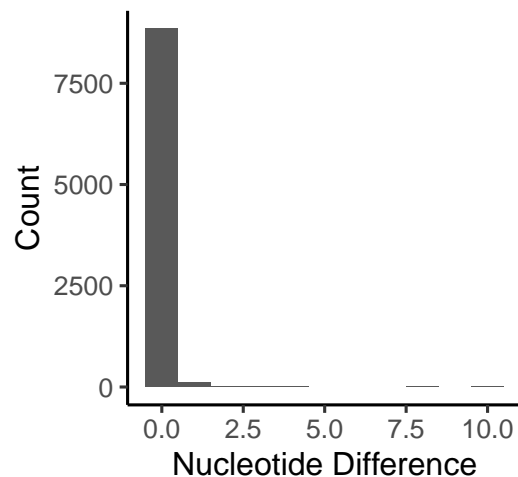
TRBV5-1*ap01

12535 sequences assigned
12416 (99.1%) exact matches, in which:
12067 unique CDR3
13 unique J



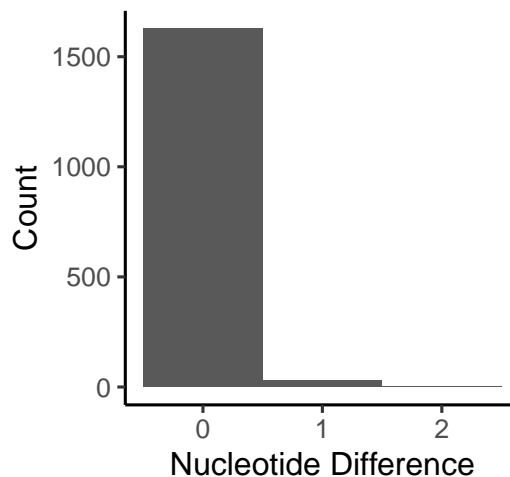
TRBV3-12*ap01

8968 sequences assigned
8847 (98.7%) exact matches, in which:
8623 unique CDR3
13 unique J



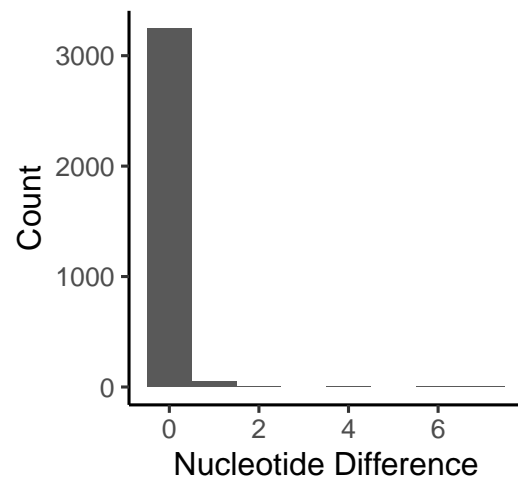
TRBV4-2*ap01

1657 sequences assigned
1627 (98.2%) exact matches, in which:
1583 unique CDR3
13 unique J



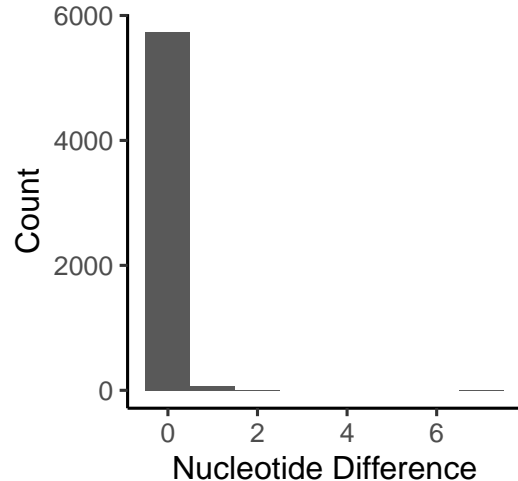
TRBV25-1*ap01

3307 sequences assigned
3244 (98.1%) exact matches, in which:
3163 unique CDR3
14 unique J



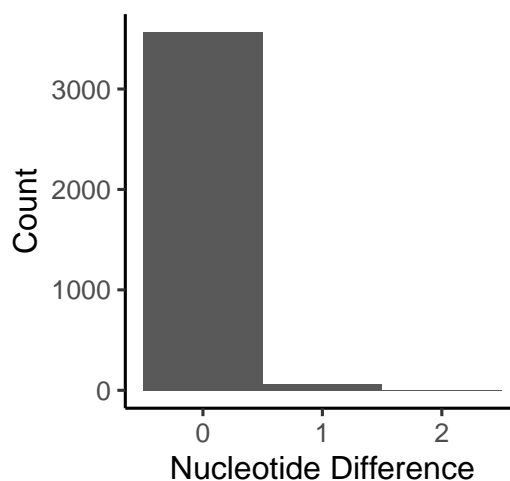
TRBV4-1*ap01

5810 sequences assigned
5735 (98.7%) exact matches, in which:
5592 unique CDR3
13 unique J



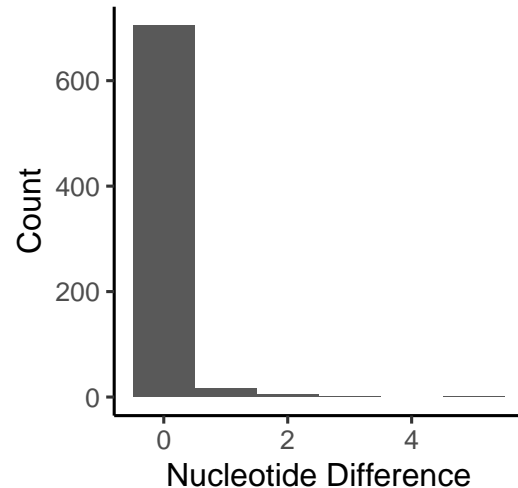
TRBV4-3*ap01

3633 sequences assigned
3567 (98.2%) exact matches, in which:
3485 unique CDR3
13 unique J



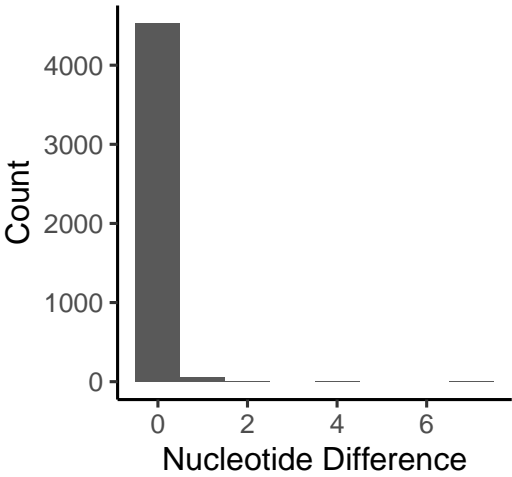
TRBV5-3*ap01

729 sequences assigned
705 (96.7%) exact matches, in which:
684 unique CDR3
13 unique J



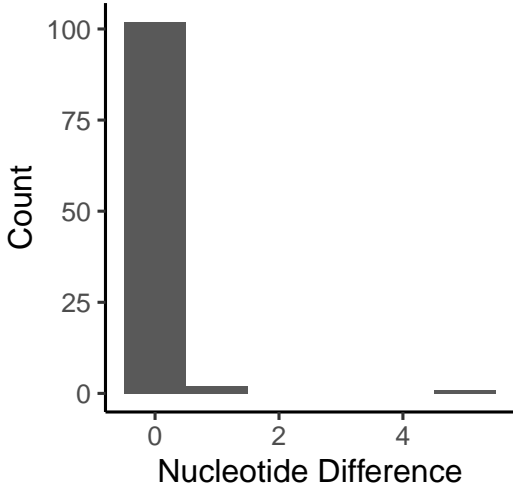
TRBV5-4*ap01

4591 sequences assigned
4528 (98.6%) exact matches, in which:
4402 unique CDR3
13 unique J



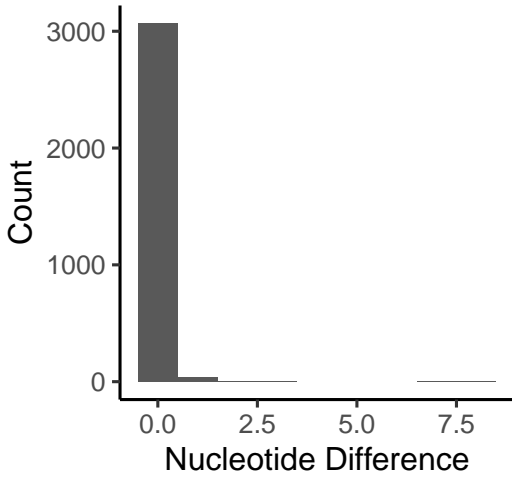
TRBV5-7*ap01

105 sequences assigned
102 (97.1%) exact matches, in which:
97 unique CDR3
12 unique J



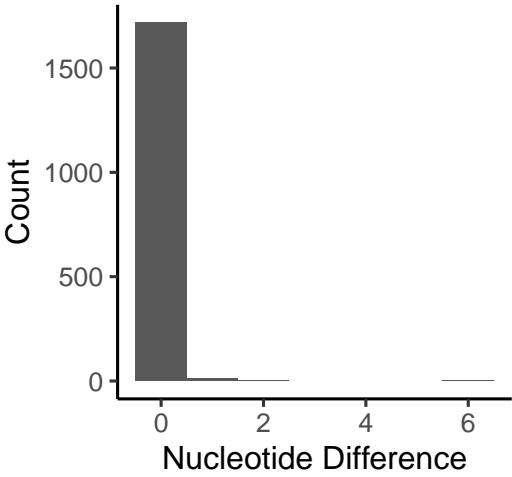
TRBV6-4*ap01

3116 sequences assigned
3067 (98.4%) exact matches, in which:
3009 unique CDR3
13 unique J



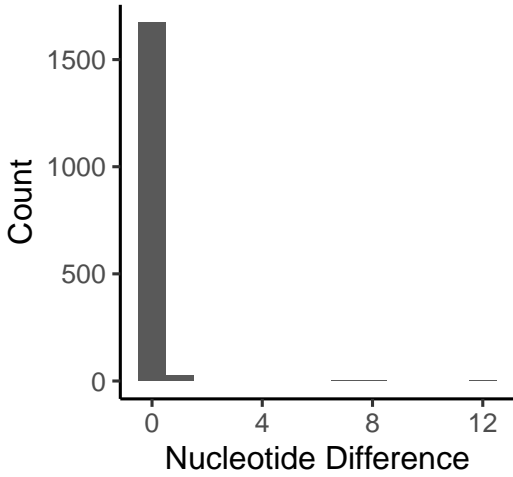
TRBV5-5*ap01

1731 sequences assigned
1717 (99.2%) exact matches, in which:
1670 unique CDR3
13 unique J



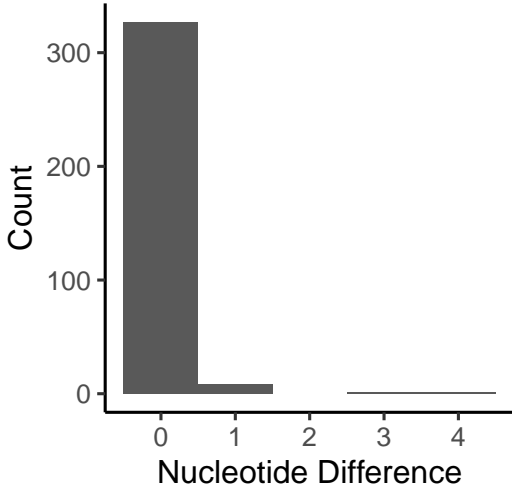
TRBV5-8*ap01

1700 sequences assigned
1672 (98.4%) exact matches, in which:
1638 unique CDR3
13 unique J



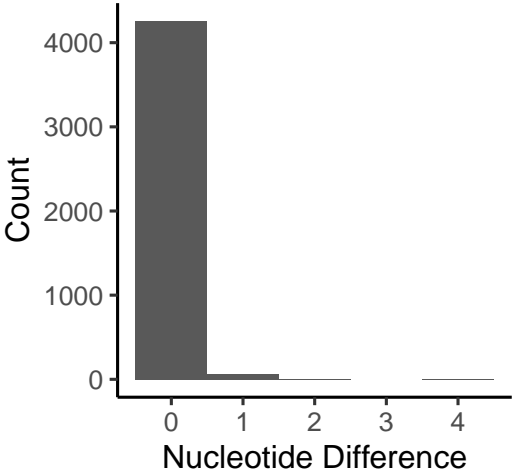
TRBV6-7*ap01

337 sequences assigned
327 (97%) exact matches, in which:
316 unique CDR3
13 unique J



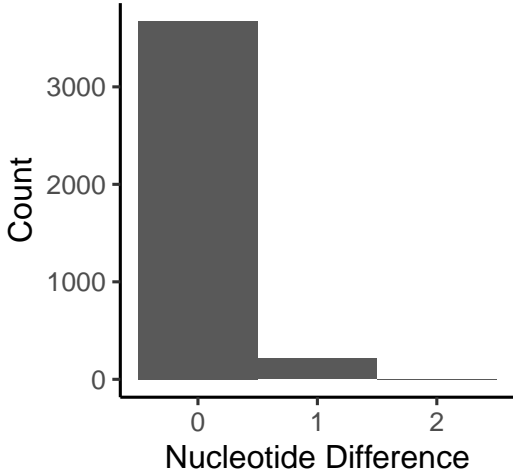
TRBV5-6*ap01

4321 sequences assigned
4257 (98.5%) exact matches, in which:
4142 unique CDR3
13 unique J



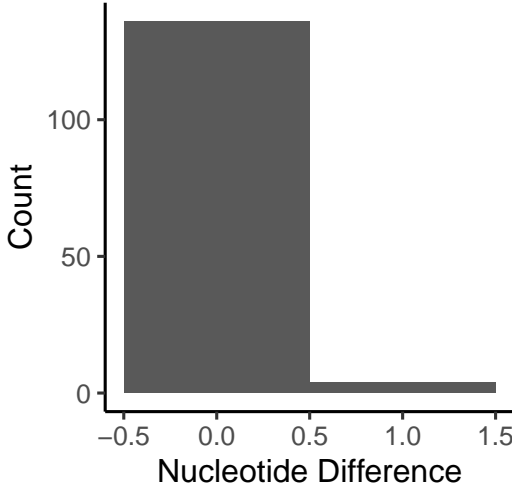
TRBV6-1*ap01

3891 sequences assigned
3675 (94.4%) exact matches, in which:
3561 unique CDR3
13 unique J



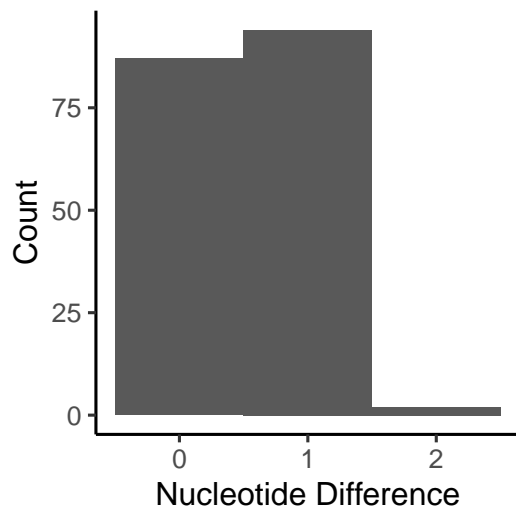
TRBV6-8*ap01

140 sequences assigned
136 (97.1%) exact matches, in which:
130 unique CDR3
12 unique J



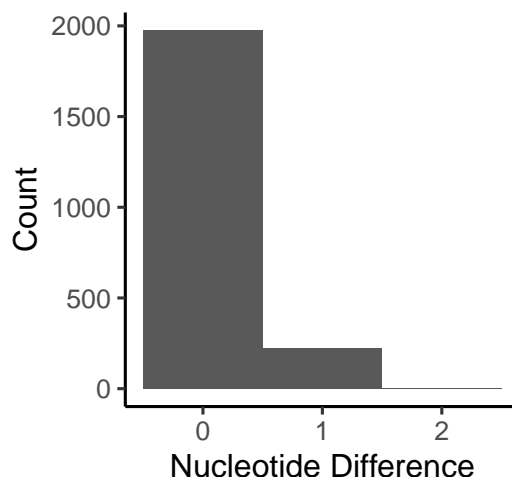
TRBV6-9*ap01

183 sequences assigned
87 (47.5%) exact matches, in which:
86 unique CDR3
13 unique J



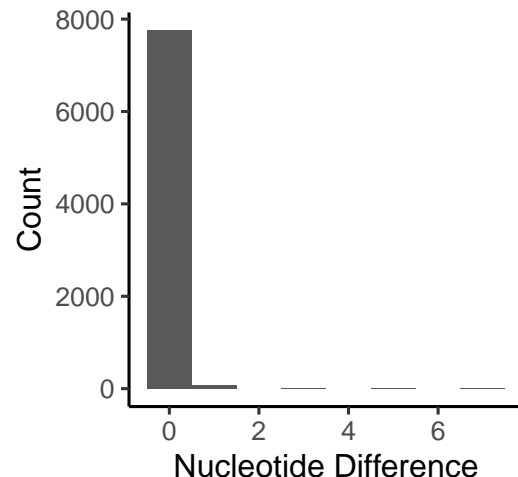
TRBV6-56*ap02

2199 sequences assigned
1975 (89.8%) exact matches, in which:
1923 unique CDR3
13 unique J



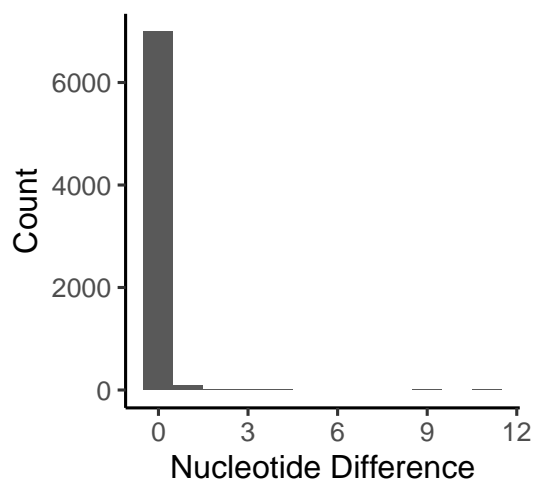
TRBV7-2*ap01

7824 sequences assigned
7755 (99.1%) exact matches, in which:
7551 unique CDR3
13 unique J



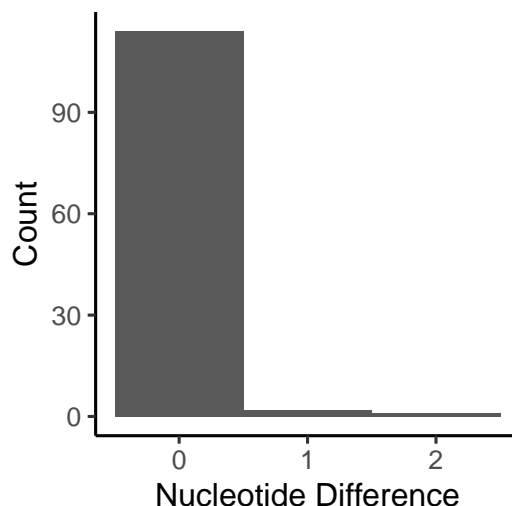
TRBV6-23*ap01

7088 sequences assigned
6991 (98.6%) exact matches, in which:
6789 unique CDR3
13 unique J



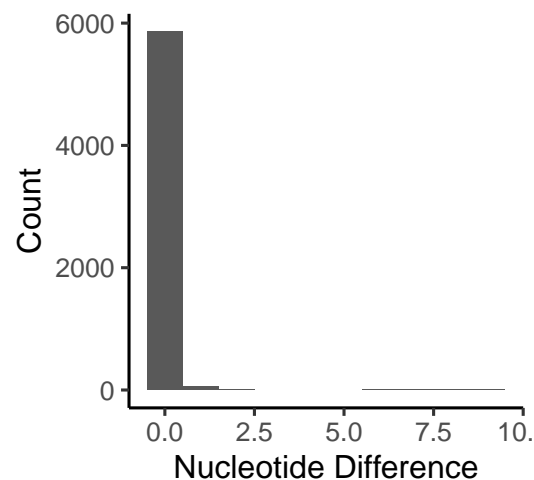
TRBV7-1*ap01_G291C_T

117 sequences assigned
114 (97.4%) exact matches, in which:
112 unique CDR3
13 unique J



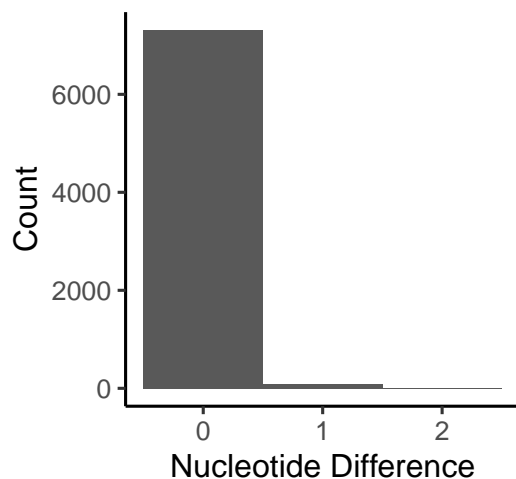
TRBV7-3*ap01

5929 sequences assigned
5859 (98.8%) exact matches, in which:
5731 unique CDR3
13 unique J



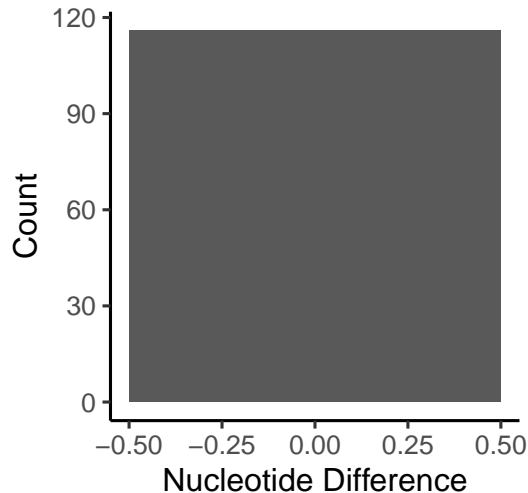
TRBV6-56*ap01

7402 sequences assigned
7312 (98.8%) exact matches, in which:
7099 unique CDR3
13 unique J



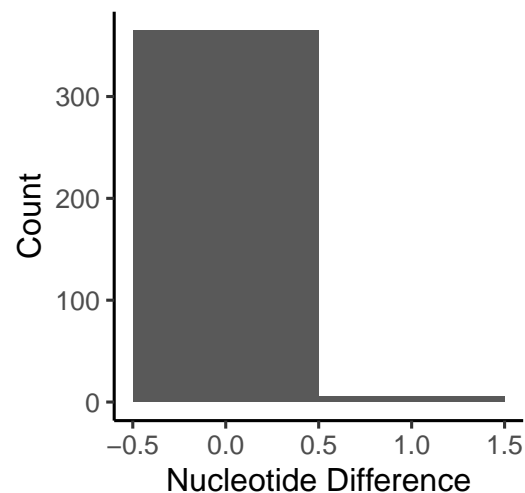
TRBV7-1*ap01_G291C_

116 sequences assigned
116 (100%) exact matches, in which:
115 unique CDR3
12 unique J



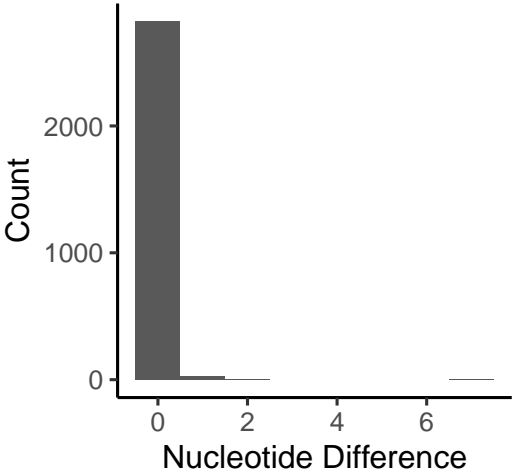
TRBV7-4*ap01

370 sequences assigned
365 (98.6%) exact matches, in which:
356 unique CDR3
13 unique J



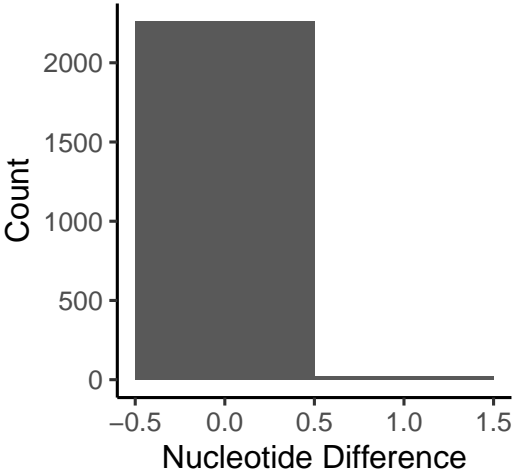
TRBV7-6*ap01

2853 sequences assigned
2824 (99%) exact matches, in which:
2746 unique CDR3
13 unique J



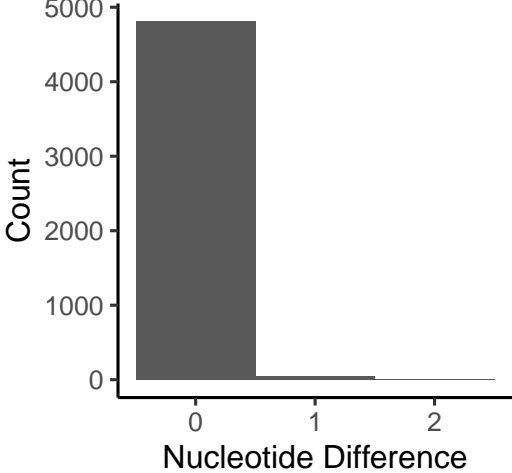
TRBV7-8*ap01

2286 sequences assigned
2261 (98.9%) exact matches, in which:
2187 unique CDR3
13 unique J



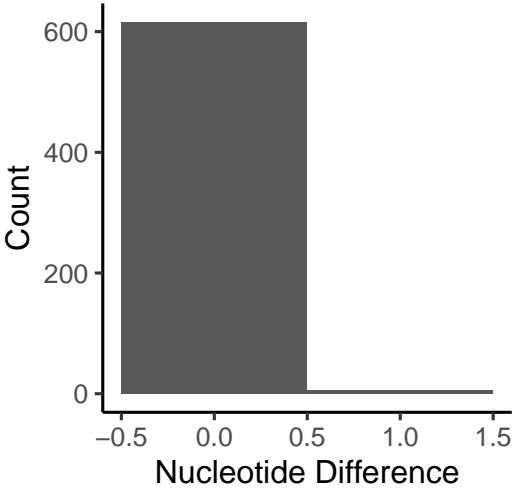
TRBV29-1*ap01

4858 sequences assigned
4810 (99%) exact matches, in which:
4691 unique CDR3
13 unique J



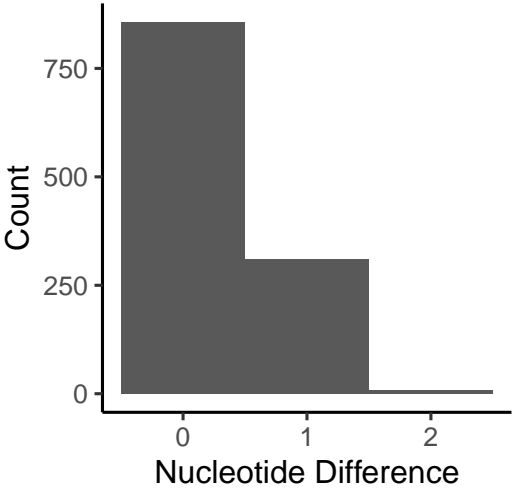
TRBV7-7*ap01

622 sequences assigned
616 (99%) exact matches, in which:
604 unique CDR3
13 unique J



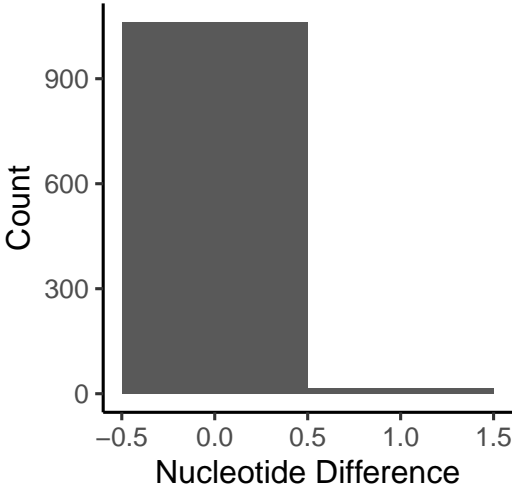
TRBV7-8*ap03

1175 sequences assigned
857 (72.9%) exact matches, in which:
832 unique CDR3
13 unique J



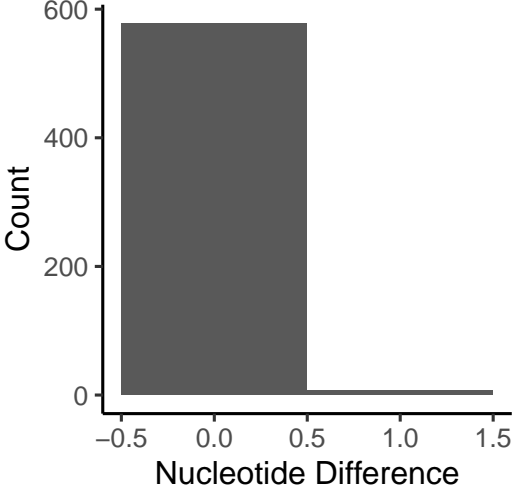
TRBV29-1*ap02

1079 sequences assigned
1062 (98.4%) exact matches, in which:
1033 unique CDR3
13 unique J



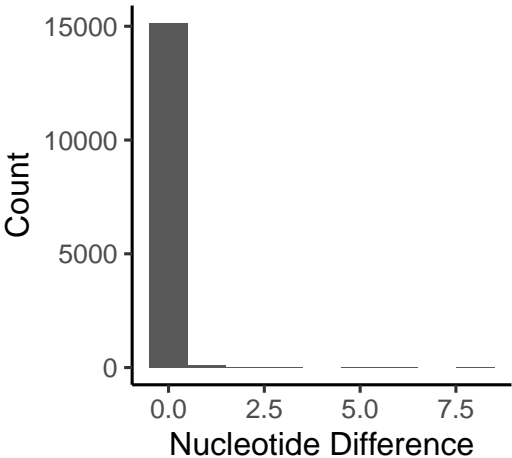
TRBV7-7*ap01_C315T

585 sequences assigned
578 (98.8%) exact matches, in which:
563 unique CDR3
13 unique J

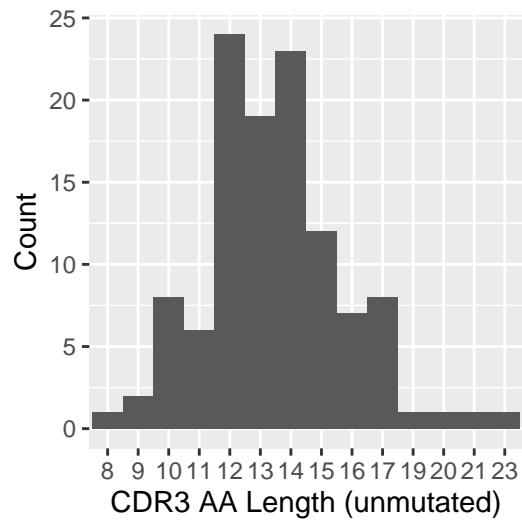


TRBV7-9*ap01

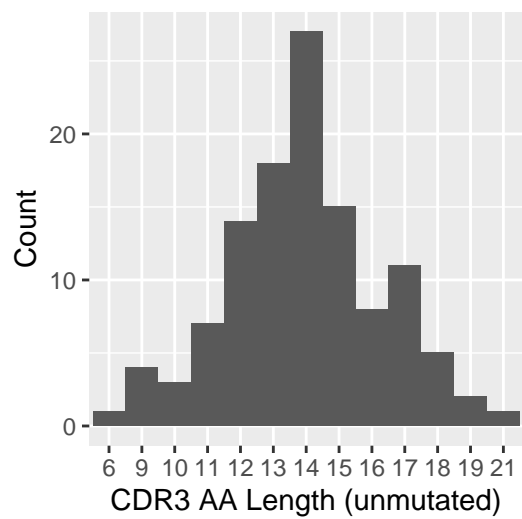
15256 sequences assigned
15153 (99.3%) exact matches, in which:
14874 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

