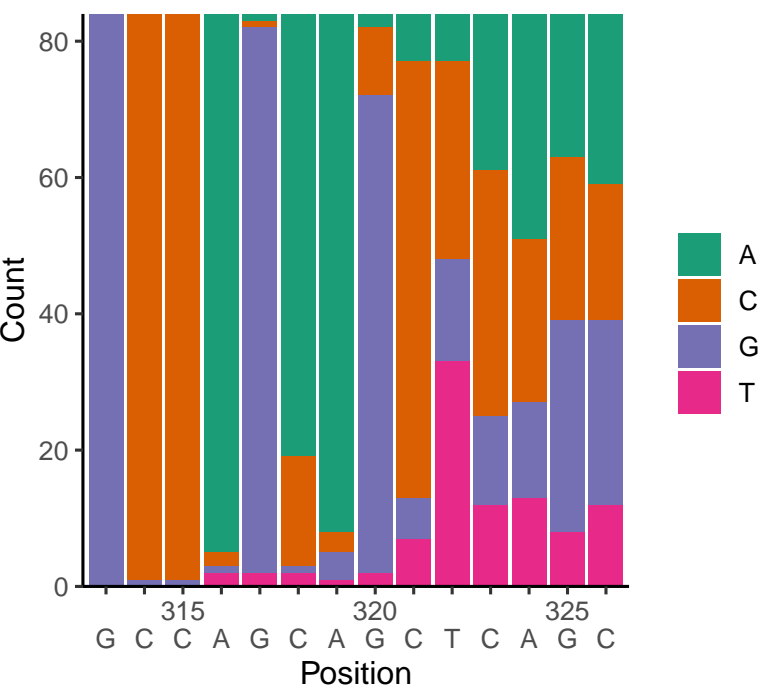
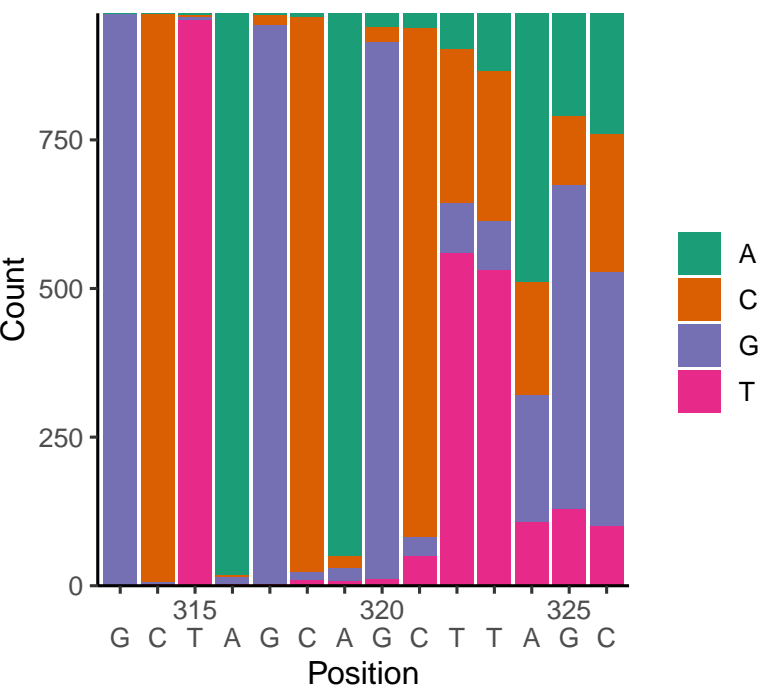


Gene TRBV7-1*ap01_T296C



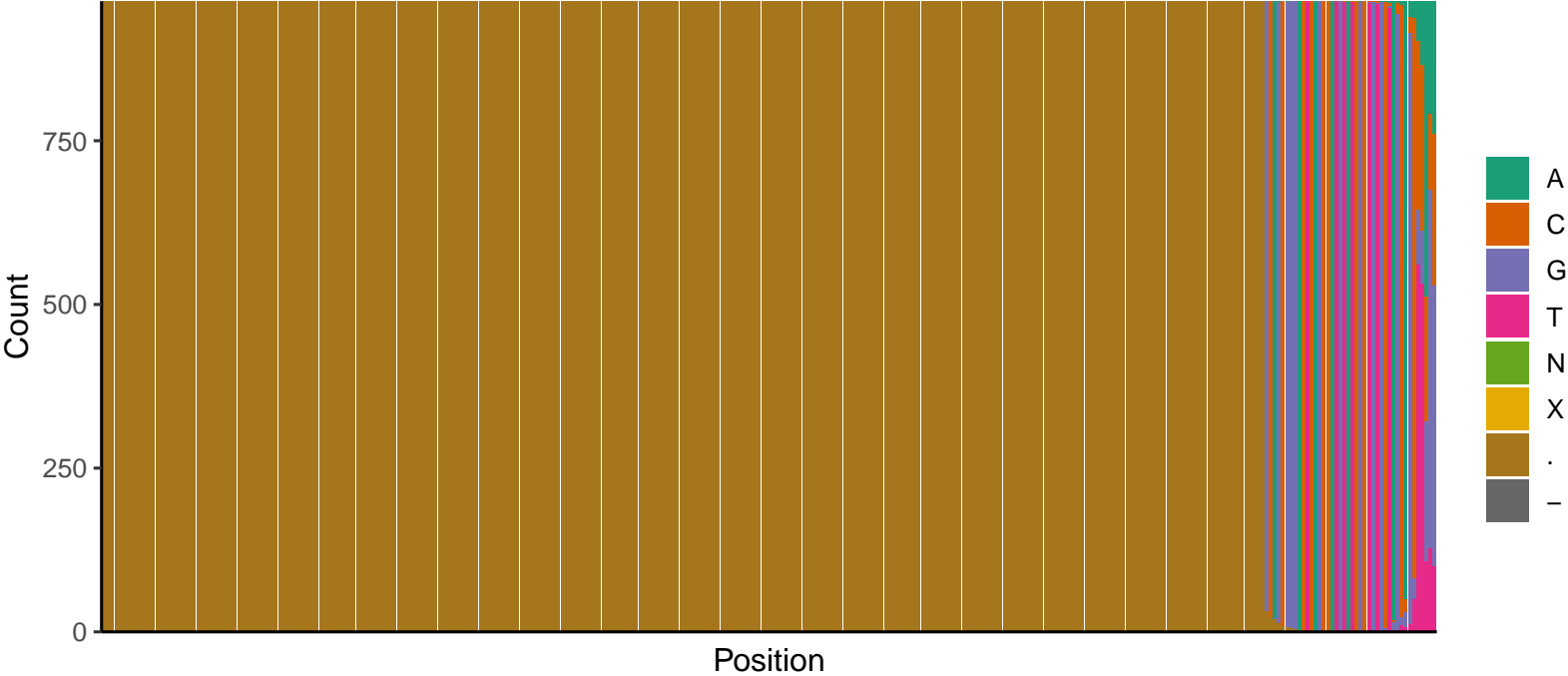
Gene TRBV7-7*ap01_C315T



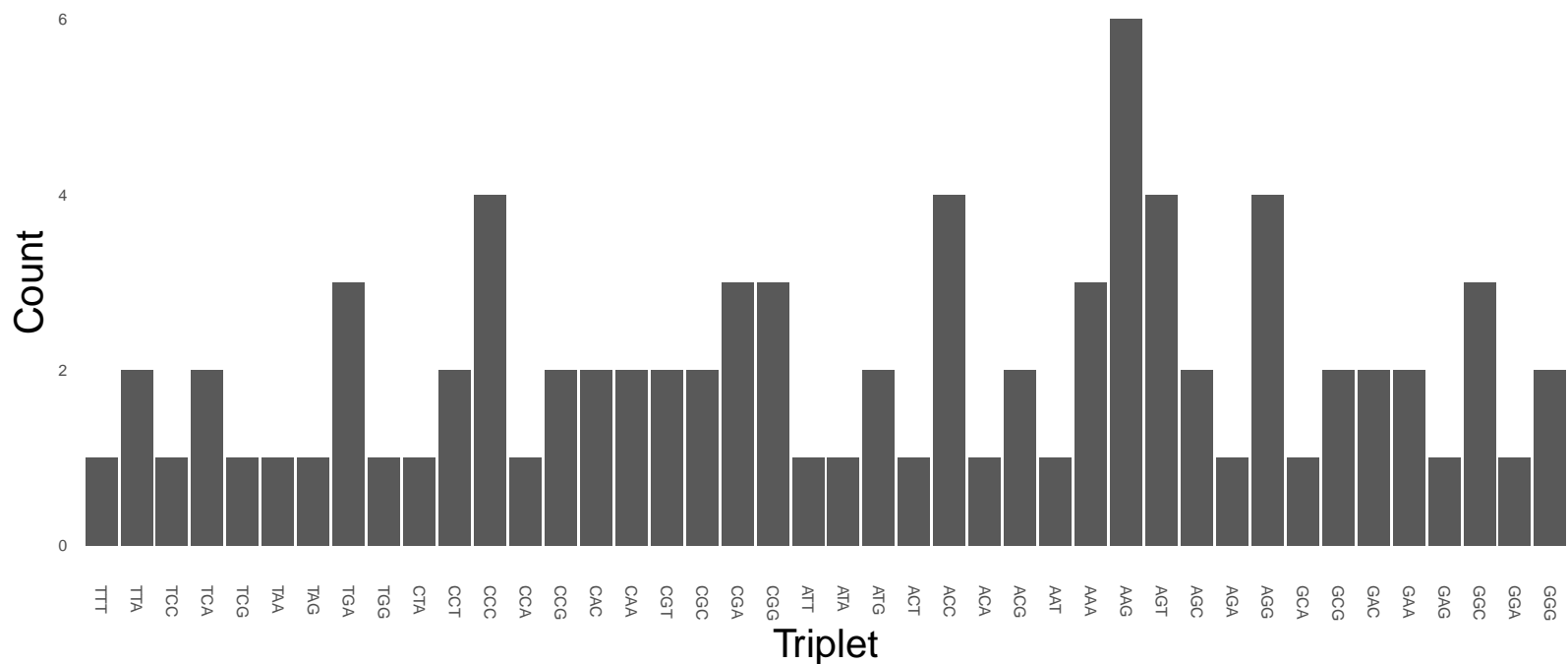
Gene TRBV7-1*ap01_T296C



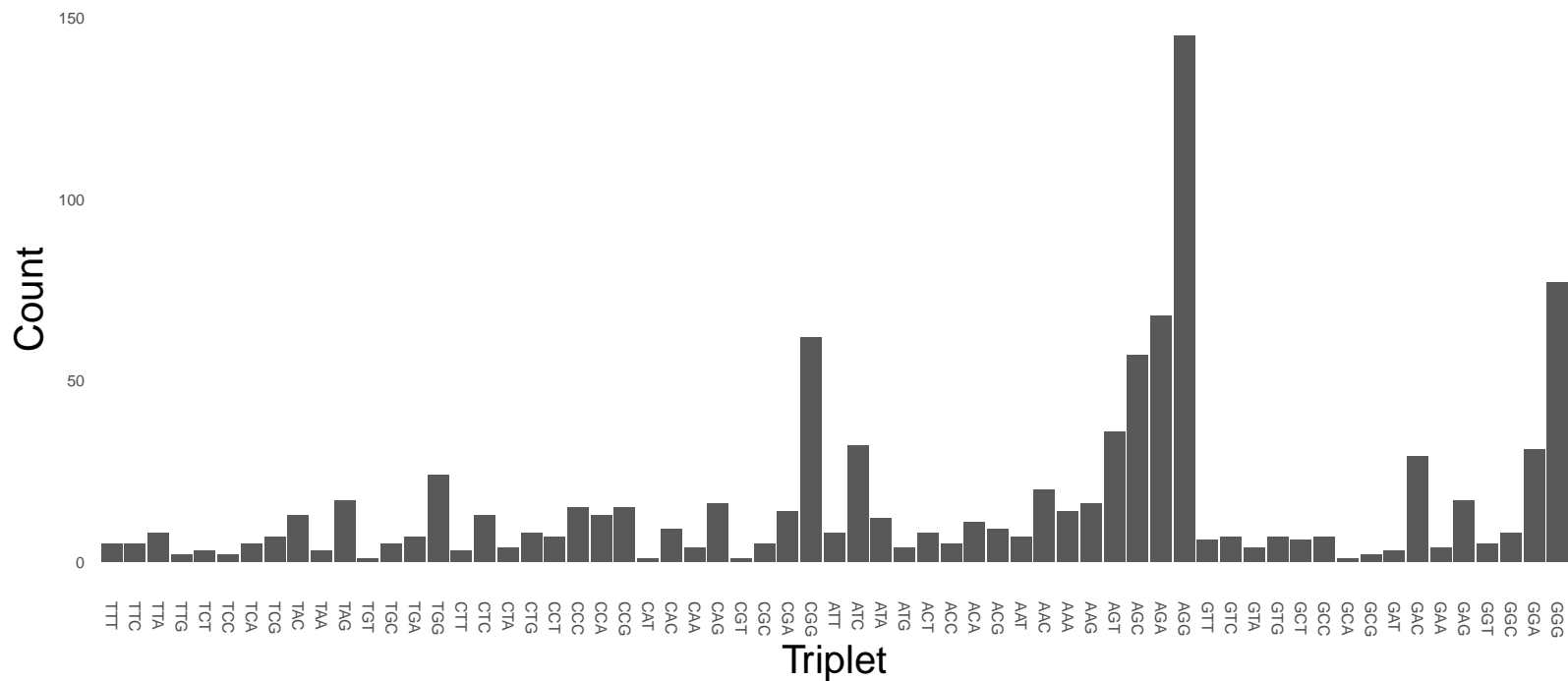
Gene TRBV7-7*ap01_C315T



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

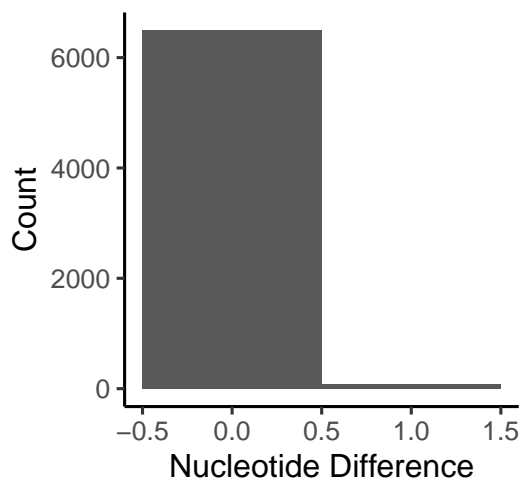


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



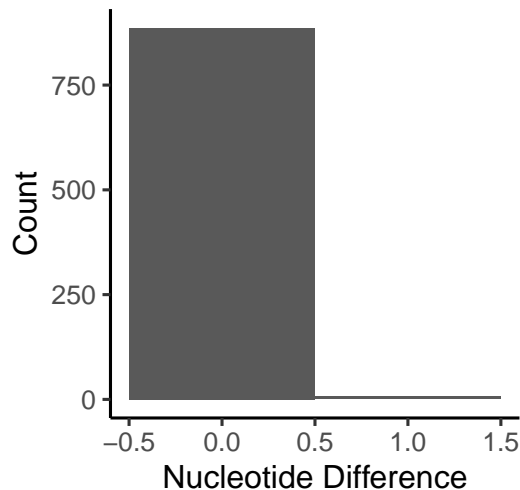
TRBV20–1*ap01

6566 sequences assigned
6493 (98.9%) exact matches, in which:
6408 unique CDR3
13 unique J



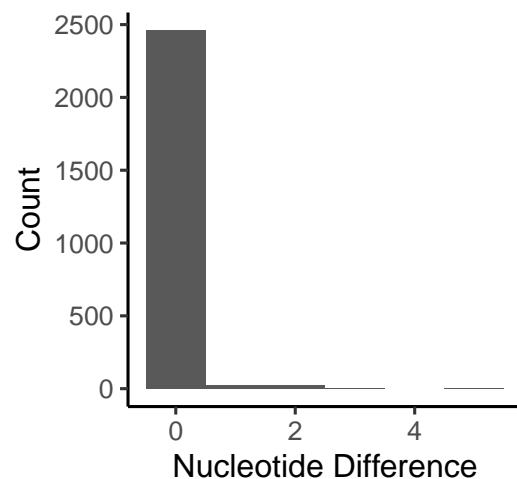
TRBV10–2*ap01

894 sequences assigned
887 (99.2%) exact matches, in which:
871 unique CDR3
13 unique J



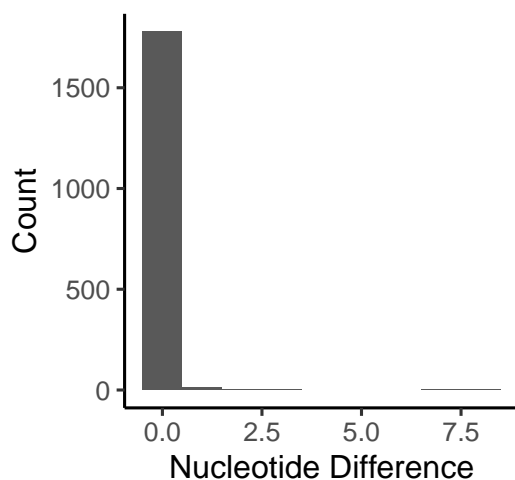
TRBV13*ap01

2517 sequences assigned
2460 (97.7%) exact matches, in which:
2404 unique CDR3
13 unique J



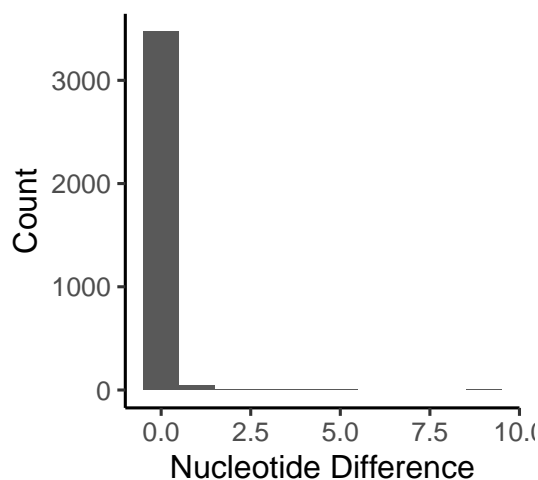
TRBV10–1*ap01

1799 sequences assigned
1778 (98.8%) exact matches, in which:
1747 unique CDR3
13 unique J



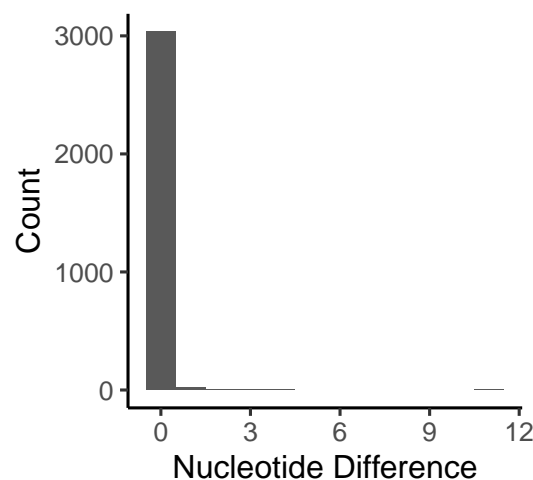
TRBV10–3*ap01

3518 sequences assigned
3471 (98.7%) exact matches, in which:
3419 unique CDR3
13 unique J



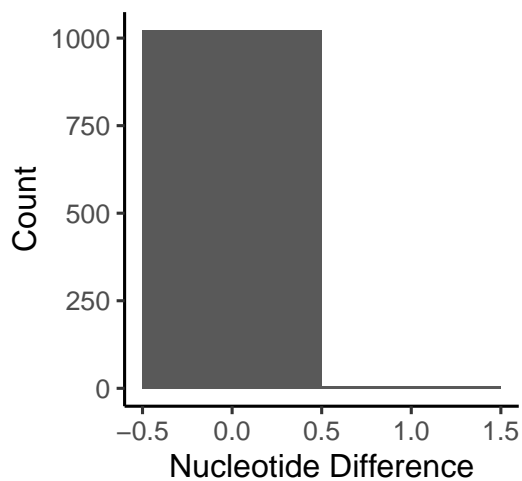
TRBV14*ap01

3062 sequences assigned
3035 (99.1%) exact matches, in which:
3003 unique CDR3
13 unique J



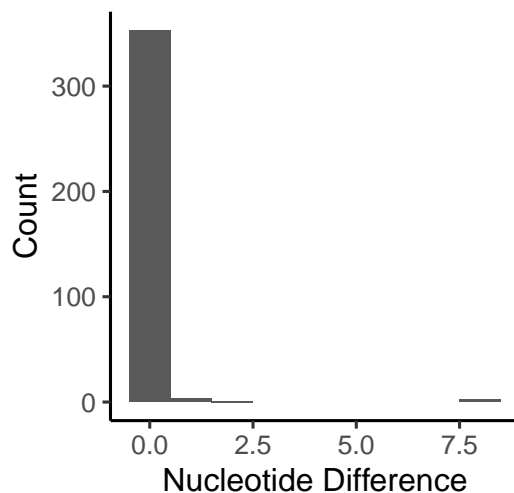
TRBV20–1*ap02

1030 sequences assigned
1023 (99.3%) exact matches, in which:
1005 unique CDR3
13 unique J



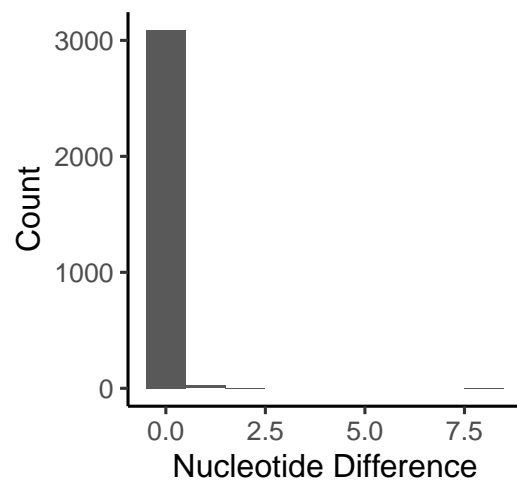
TRBV1*ap01

359 sequences assigned
353 (98.3%) exact matches, in which:
346 unique CDR3
13 unique J



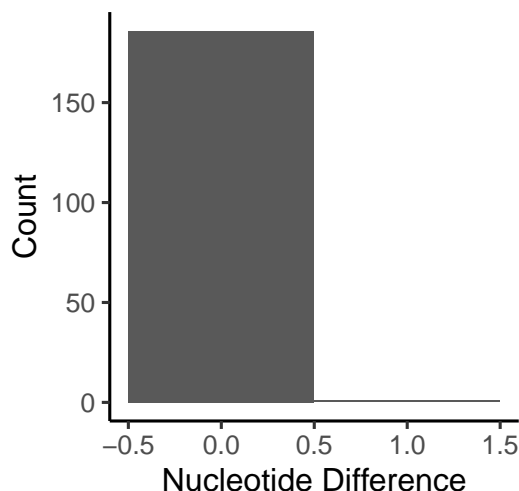
TRBV15*ap02

3117 sequences assigned
3089 (99.1%) exact matches, in which:
3039 unique CDR3
13 unique J



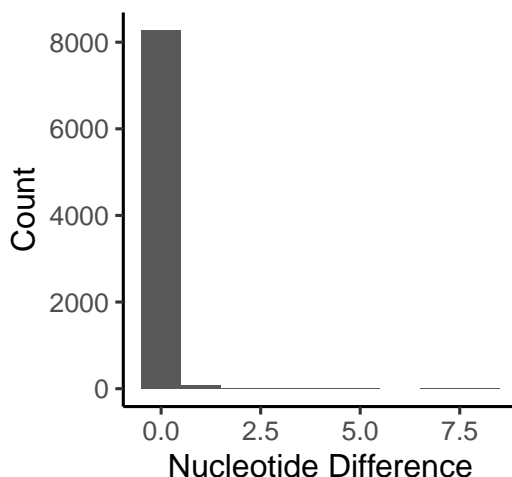
TRBV16*ap01

187 sequences assigned
186 (99.5%) exact matches, in which:
186 unique CDR3
13 unique J



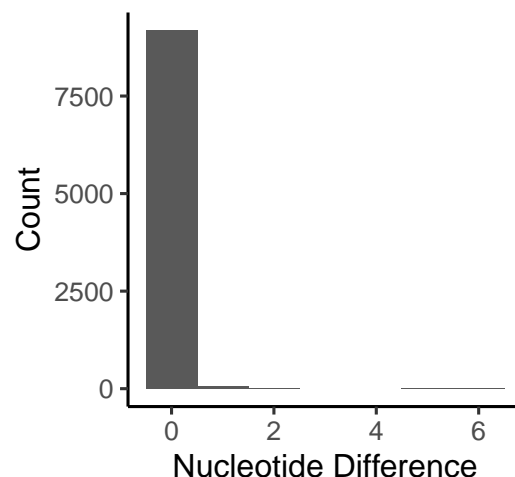
TRBV19*ap01

8350 sequences assigned
8272 (99.1%) exact matches, in which:
8202 unique CDR3
13 unique J



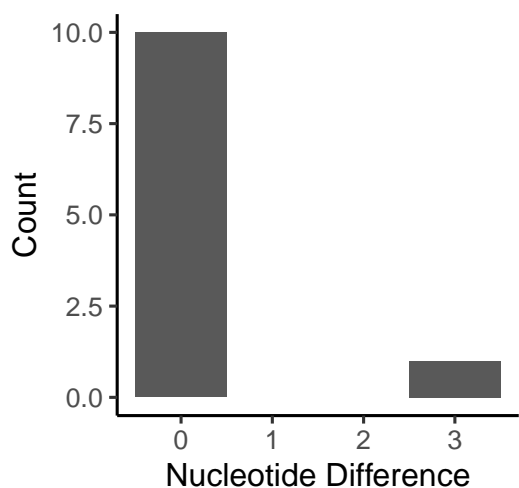
TRBV28*ap01

9260 sequences assigned
9182 (99.2%) exact matches, in which:
9076 unique CDR3
13 unique J



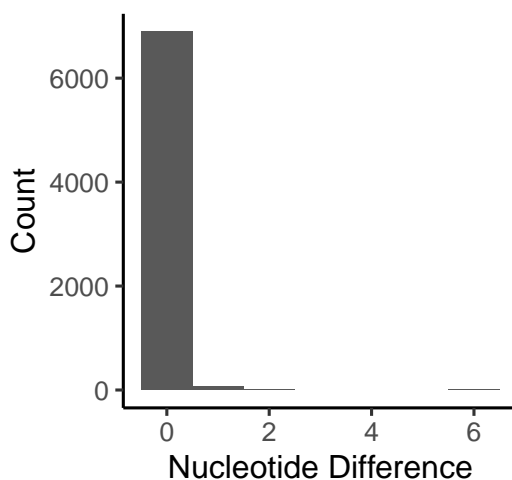
TRBV17*ap01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
7 unique J



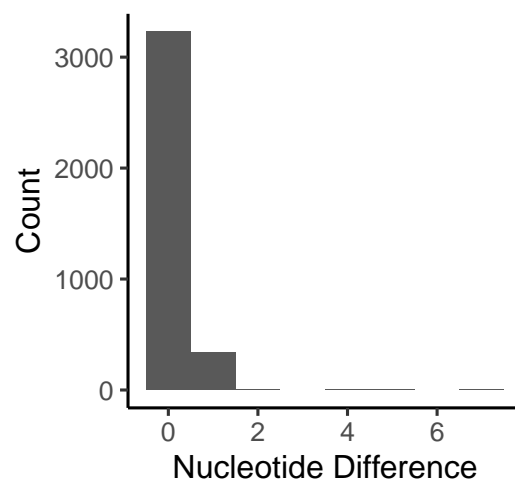
TRBV2*ap01

6955 sequences assigned
6893 (99.1%) exact matches, in which:
6797 unique CDR3
13 unique J



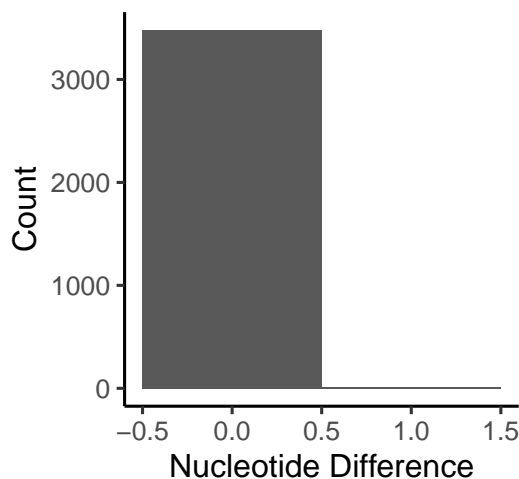
TRBV30*ap01

3580 sequences assigned
3229 (90.2%) exact matches, in which:
3142 unique CDR3
13 unique J



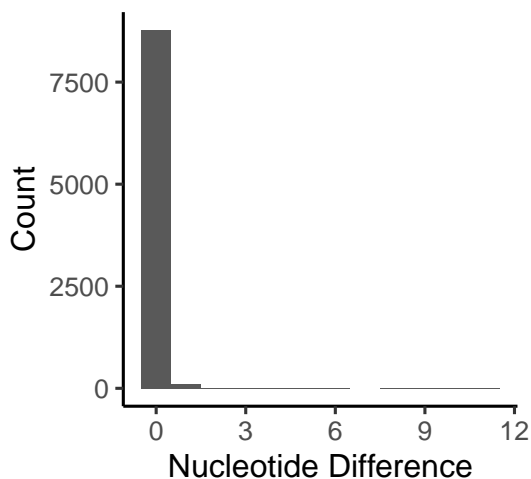
TRBV18*ap01

3494 sequences assigned
3480 (99.6%) exact matches, in which:
3454 unique CDR3
13 unique J



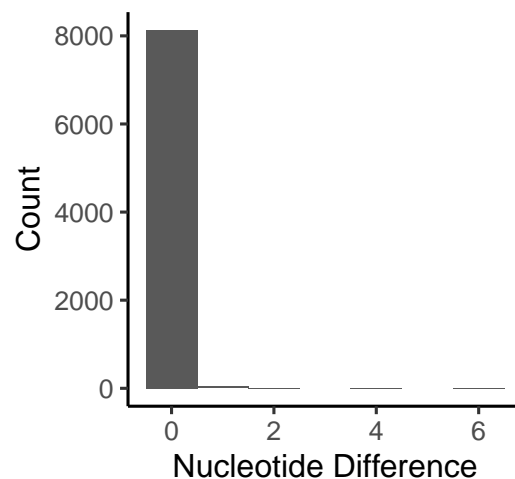
TRBV27*ap01

8894 sequences assigned
8775 (98.7%) exact matches, in which:
8673 unique CDR3
13 unique J



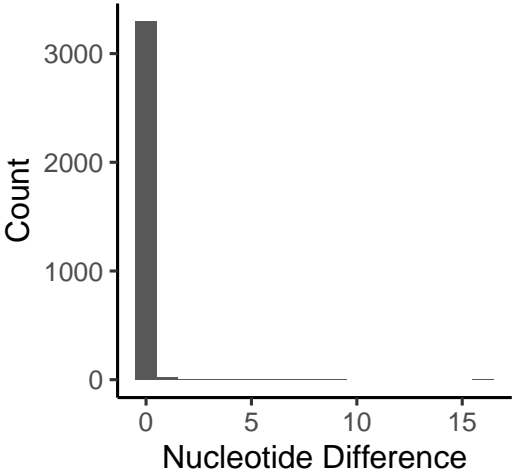
TRBV9*ap01

8180 sequences assigned
8132 (99.4%) exact matches, in which:
8057 unique CDR3
13 unique J



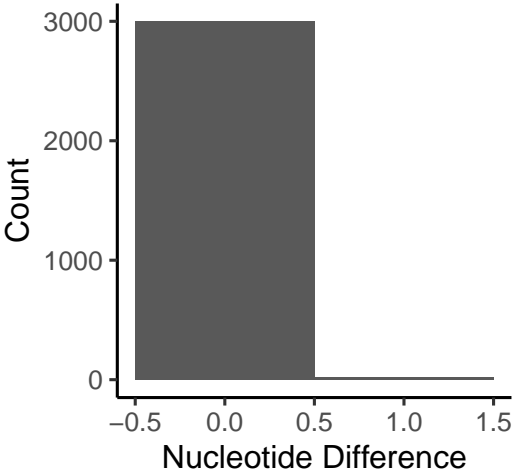
TRBV21-1*ap01

3343 sequences assigned
3296 (98.6%) exact matches, in which:
3274 unique CDR3
13 unique J



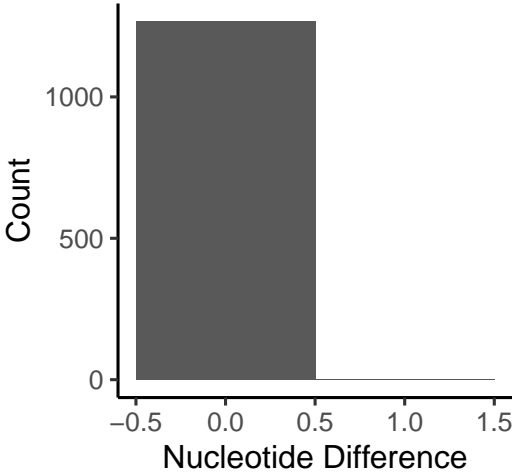
TRBV11-3*ap01

3023 sequences assigned
2999 (99.2%) exact matches, in which:
2976 unique CDR3
13 unique J



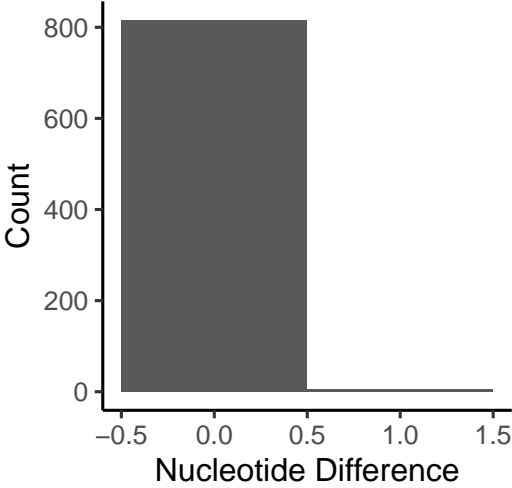
TRBV12-5*ap01

1270 sequences assigned
1267 (99.8%) exact matches, in which:
1250 unique CDR3
13 unique J



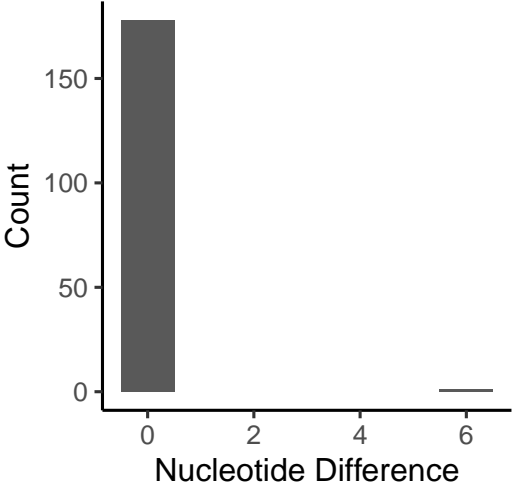
TRBV11-1*ap01

821 sequences assigned
816 (99.4%) exact matches, in which:
807 unique CDR3
13 unique J



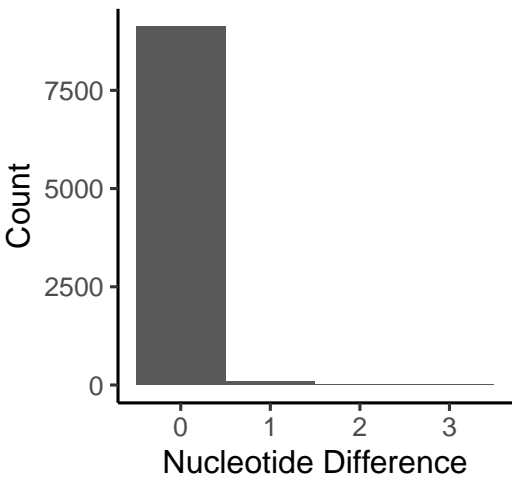
TRBV12-1*ap01

179 sequences assigned
178 (99.4%) exact matches, in which:
176 unique CDR3
13 unique J



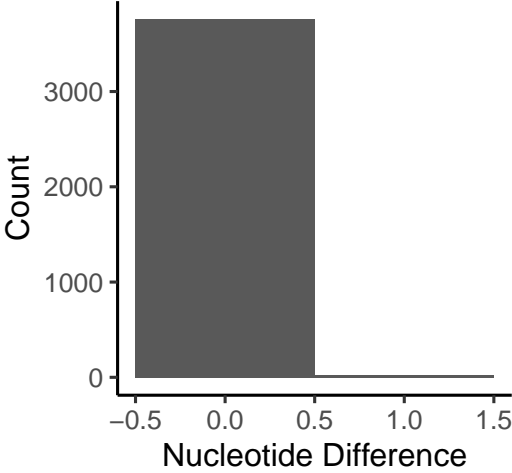
TRBV12-34*ap01

9205 sequences assigned
9120 (99.1%) exact matches, in which:
8957 unique CDR3
14 unique J



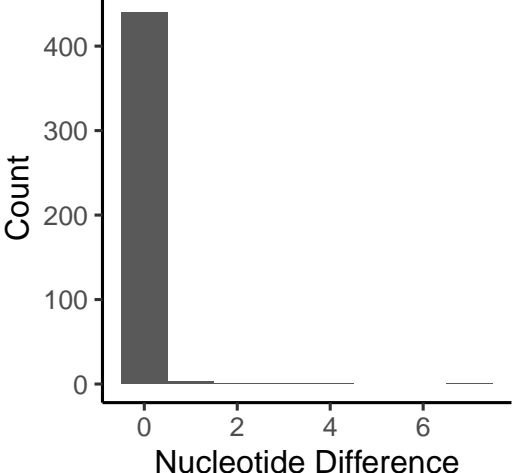
TRBV11-2*ap01

3783 sequences assigned
3761 (99.4%) exact matches, in which:
3722 unique CDR3
13 unique J



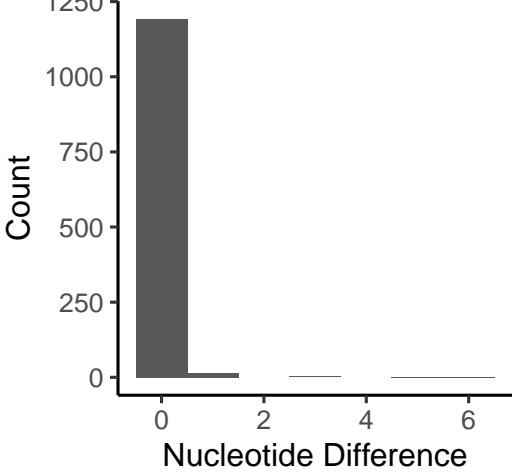
TRBV12-2*ap01

447 sequences assigned
440 (98.4%) exact matches, in which:
436 unique CDR3
13 unique J



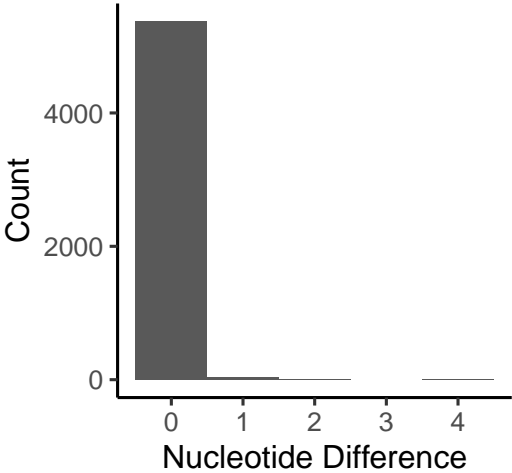
TRBV23-1*ap01

1211 sequences assigned
1192 (98.4%) exact matches, in which:
1178 unique CDR3
13 unique J



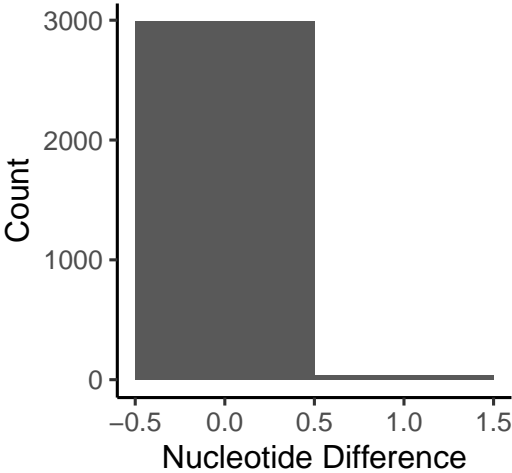
TRBV3-12*ap01

5415 sequences assigned
5373 (99.2%) exact matches, in which:
5328 unique CDR3
13 unique J



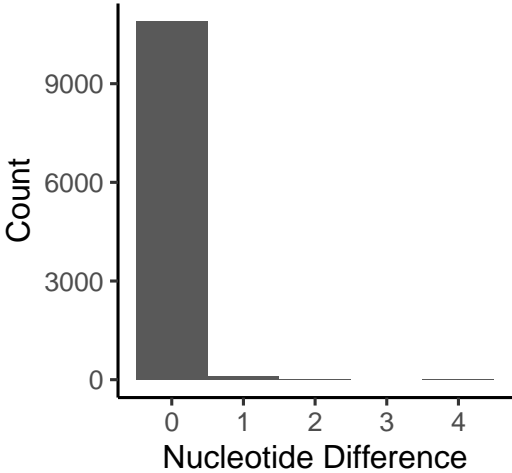
TRBV4-2*ap01

3031 sequences assigned
2990 (98.6%) exact matches, in which:
2931 unique CDR3
13 unique J



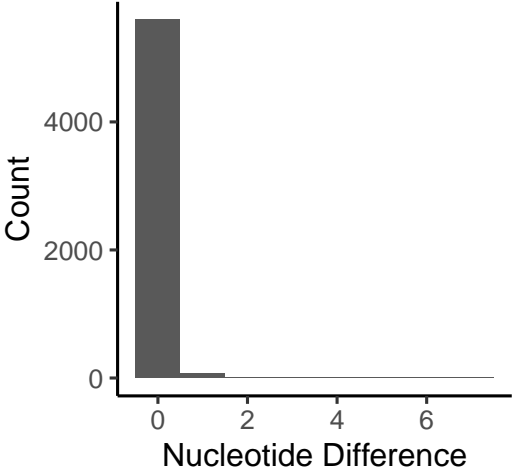
TRBV5-1*ap01

11016 sequences assigned
10893 (98.9%) exact matches, in which:
10720 unique CDR3
13 unique J



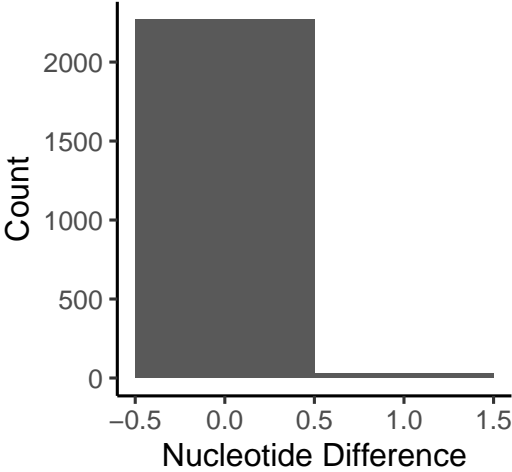
TRBV24-1*ap01

5683 sequences assigned
5596 (98.5%) exact matches, in which:
5510 unique CDR3
13 unique J



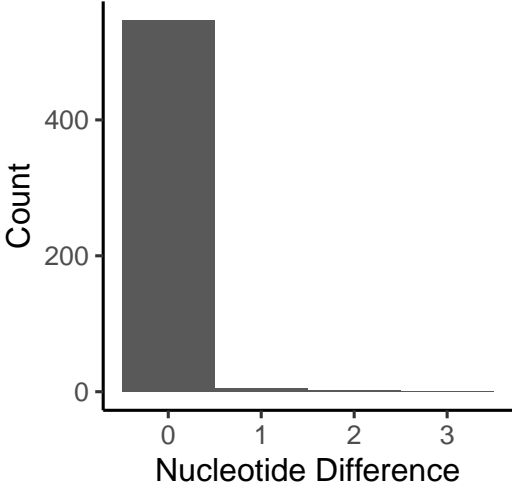
TRBV4-3*ap01

2294 sequences assigned
2268 (98.9%) exact matches, in which:
2223 unique CDR3
13 unique J



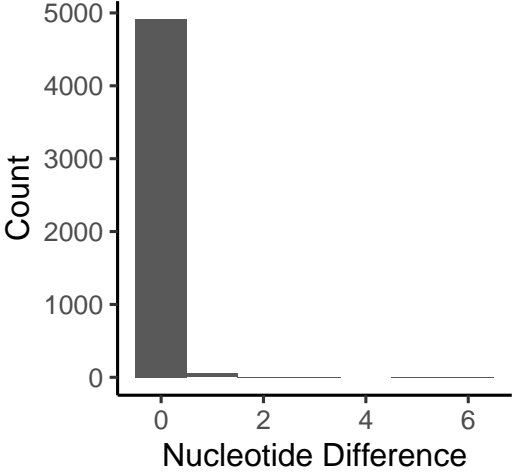
TRBV5-3*ap01

555 sequences assigned
547 (98.6%) exact matches, in which:
541 unique CDR3
13 unique J



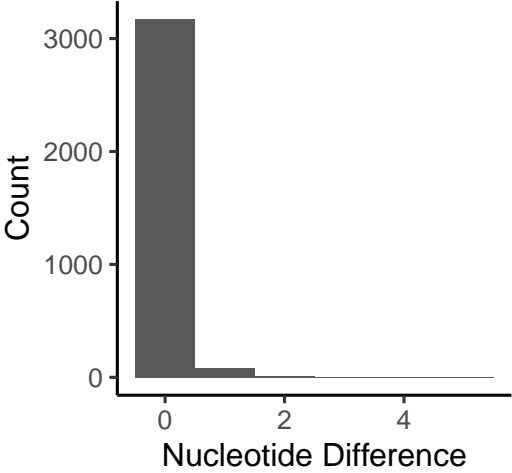
TRBV4-1*ap01

4972 sequences assigned
4916 (98.9%) exact matches, in which:
4796 unique CDR3
13 unique J



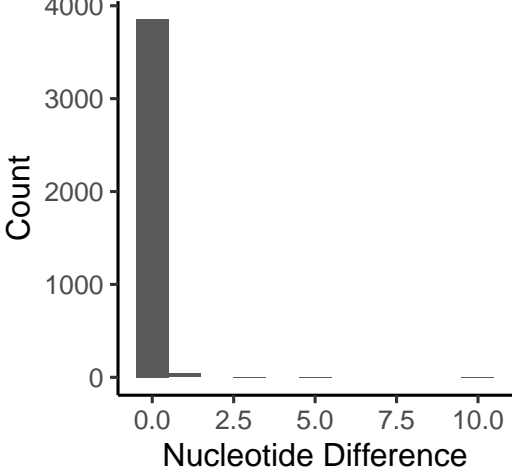
TRBV25-1*ap01

3271 sequences assigned
3173 (97%) exact matches, in which:
3097 unique CDR3
13 unique J



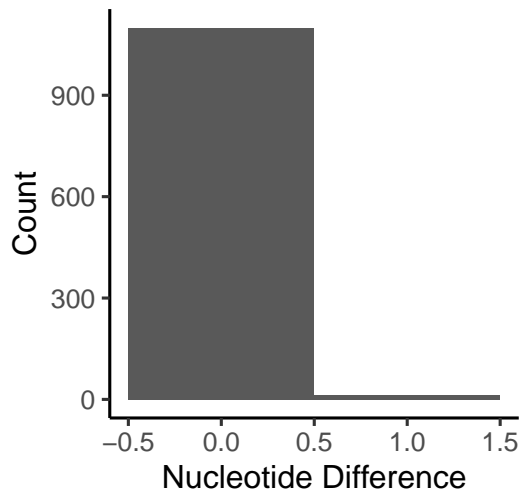
TRBV5-4*ap01

3902 sequences assigned
3857 (98.8%) exact matches, in which:
3799 unique CDR3
13 unique J



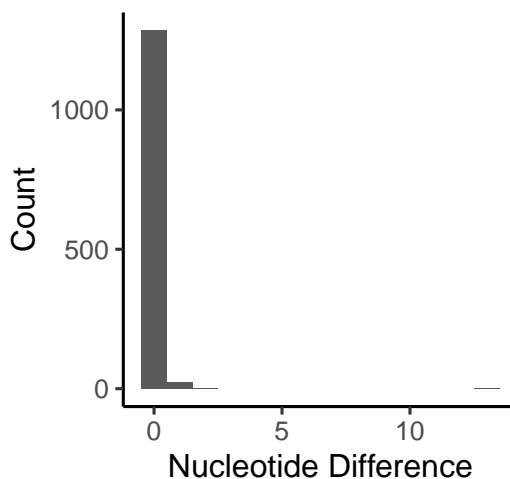
TRBV5-5*ap01

1113 sequences assigned
1100 (98.8%) exact matches, in which:
1093 unique CDR3
13 unique J



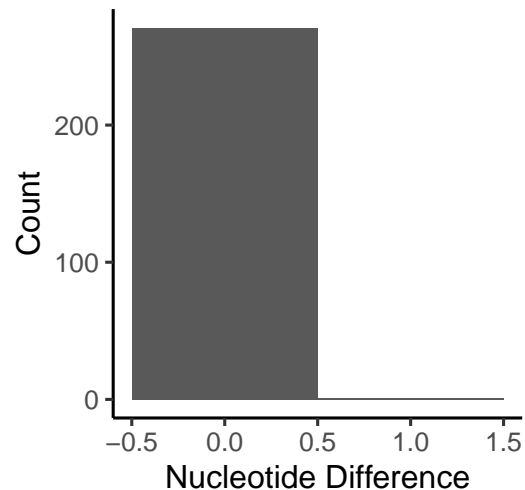
TRBV5-8*ap01

1309 sequences assigned
1285 (98.2%) exact matches, in which:
1262 unique CDR3
13 unique J



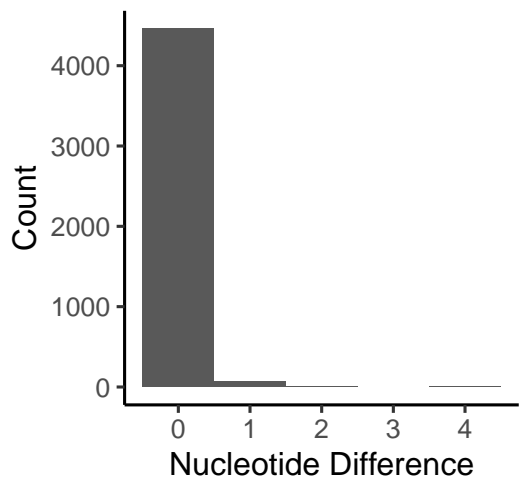
TRBV6-7*ap01

272 sequences assigned
271 (99.6%) exact matches, in which:
265 unique CDR3
13 unique J



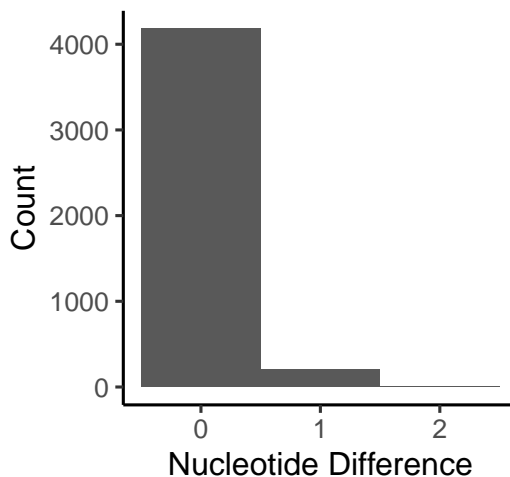
TRBV5-6*ap01

4527 sequences assigned
4460 (98.5%) exact matches, in which:
4360 unique CDR3
13 unique J



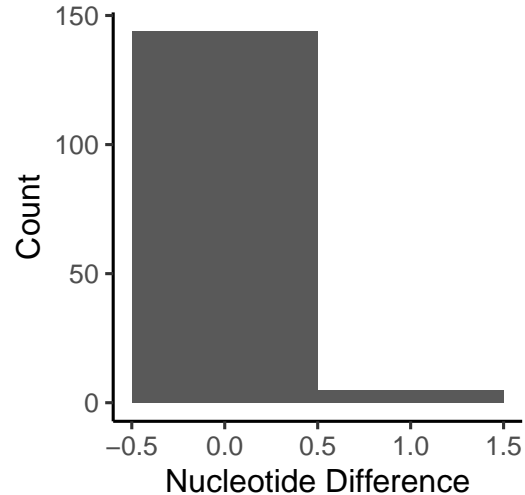
TRBV6-1*ap01

4391 sequences assigned
4181 (95.2%) exact matches, in which:
4073 unique CDR3
13 unique J



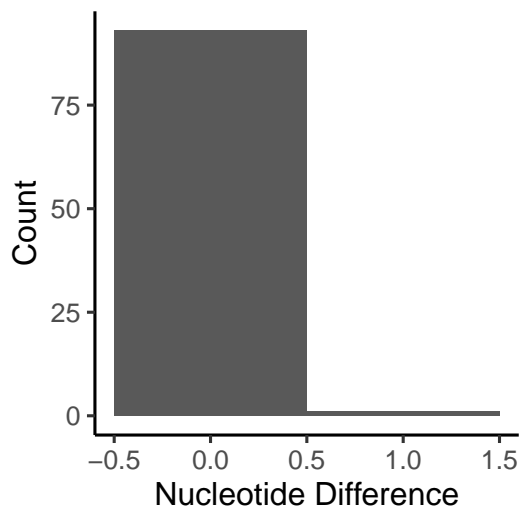
TRBV6-8*ap01

149 sequences assigned
144 (96.6%) exact matches, in which:
142 unique CDR3
13 unique J



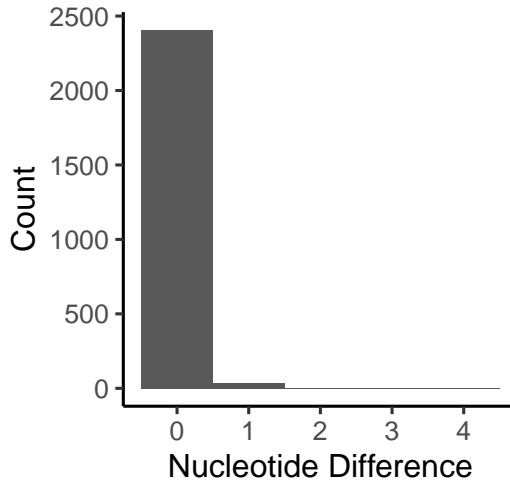
TRBV5-7*ap01

94 sequences assigned
93 (98.9%) exact matches, in which:
90 unique CDR3
13 unique J



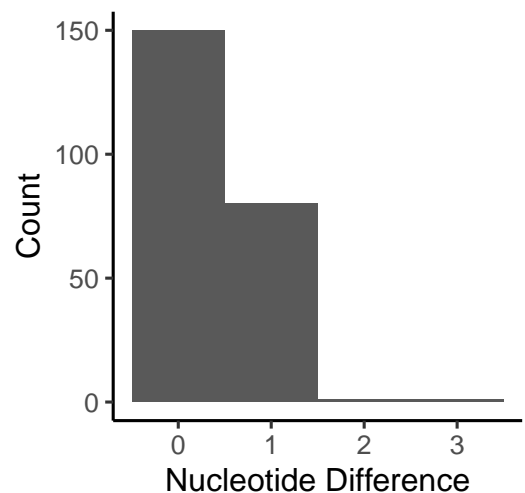
TRBV6-4*ap01

2448 sequences assigned
2406 (98.3%) exact matches, in which:
2385 unique CDR3
13 unique J



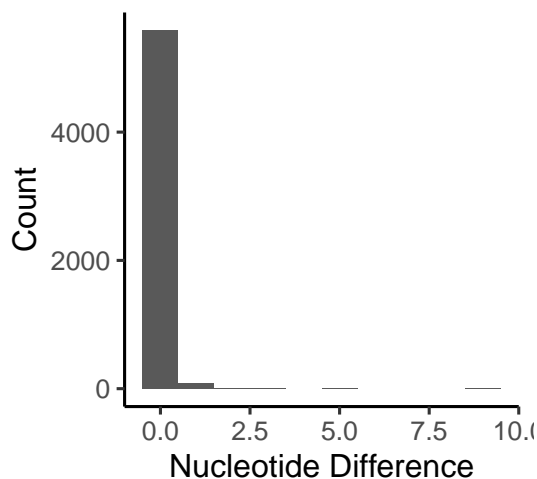
TRBV6-9*ap01

232 sequences assigned
150 (64.7%) exact matches, in which:
147 unique CDR3
13 unique J



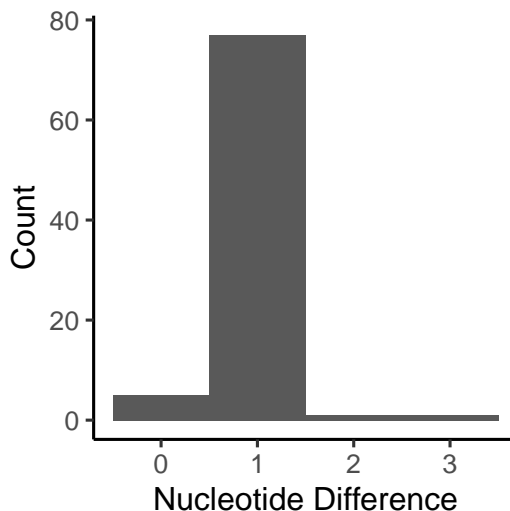
TRBV6-23*ap01

5682 sequences assigned
5586 (98.3%) exact matches, in which:
5429 unique CDR3
13 unique J



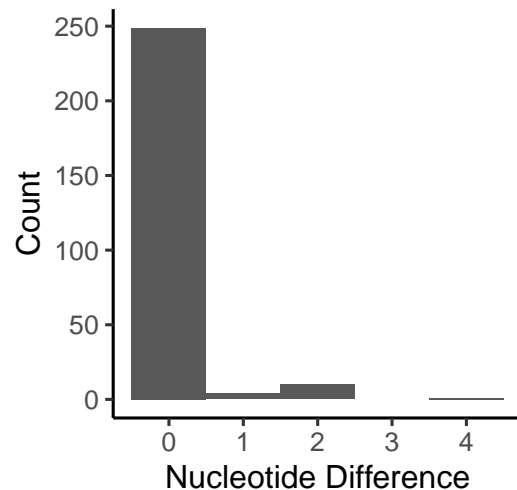
TRBV7-1*ap01_T296C

84 sequences assigned
5 (6%) exact matches, in which:
5 unique CDR3
3 unique J



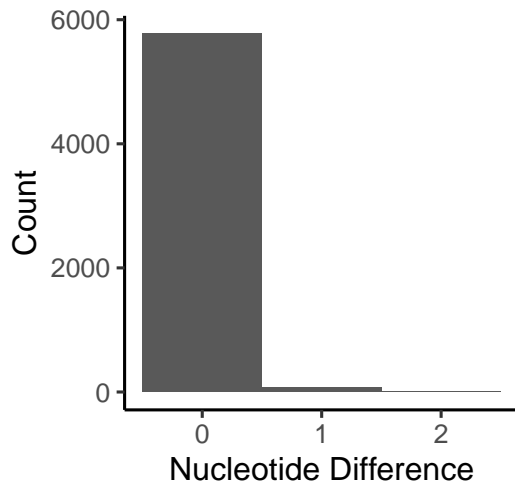
TRBV7-4*ap01

264 sequences assigned
249 (94.3%) exact matches, in which:
247 unique CDR3
13 unique J



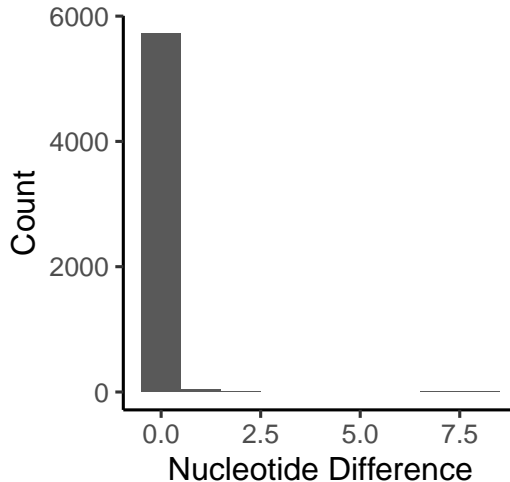
TRBV6-56*ap01

5846 sequences assigned
5774 (98.8%) exact matches, in which:
5637 unique CDR3
13 unique J



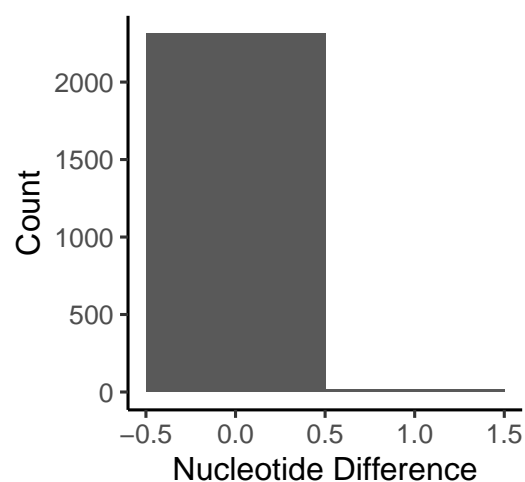
TRBV7-2*ap01

5756 sequences assigned
5719 (99.4%) exact matches, in which:
5667 unique CDR3
13 unique J



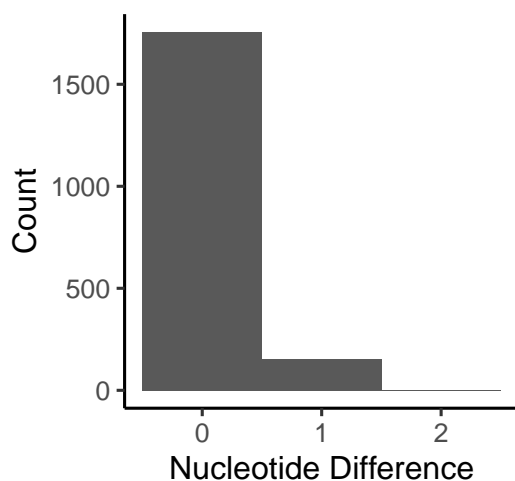
TRBV7-6*ap01

2327 sequences assigned
2312 (99.4%) exact matches, in which:
2287 unique CDR3
13 unique J



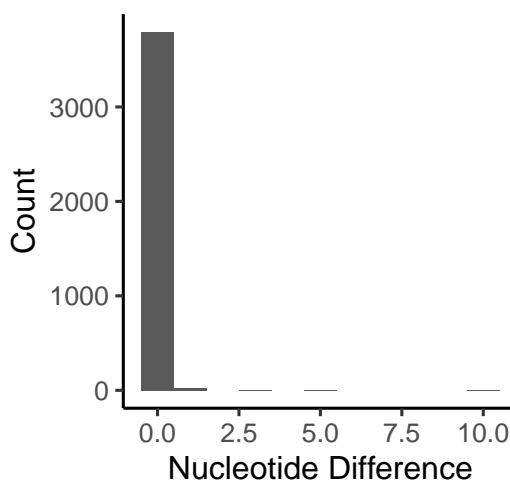
TRBV6-56*ap02

1913 sequences assigned
1756 (91.8%) exact matches, in which:
1723 unique CDR3
13 unique J



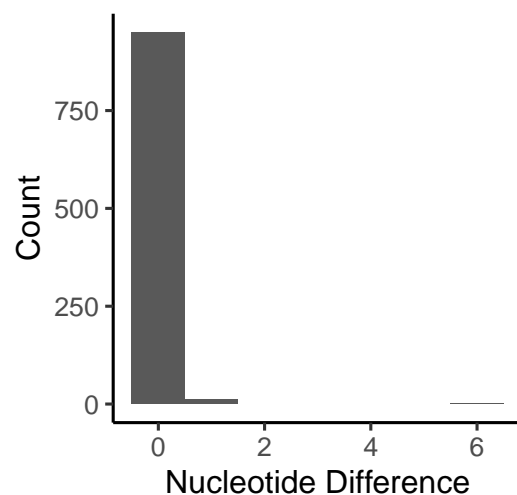
TRBV7-3*ap01

3819 sequences assigned
3793 (99.3%) exact matches, in which:
3758 unique CDR3
13 unique J



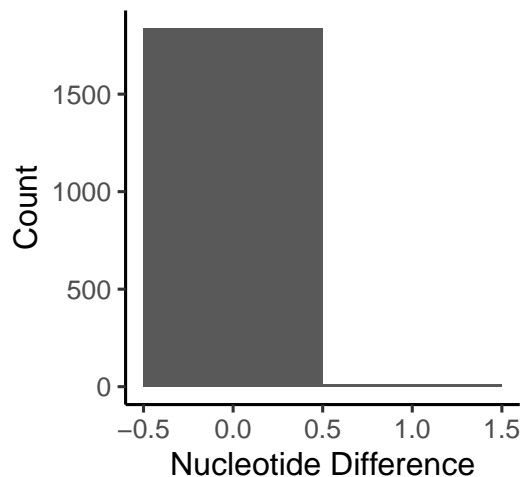
TRBV7-7*ap01_C315T

963 sequences assigned
950 (98.7%) exact matches, in which:
939 unique CDR3
13 unique J



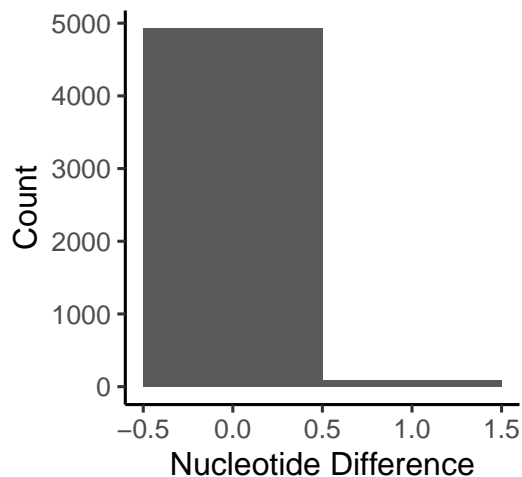
TRBV7-8*ap01

1851 sequences assigned
1837 (99.2%) exact matches, in which:
1821 unique CDR3
13 unique J



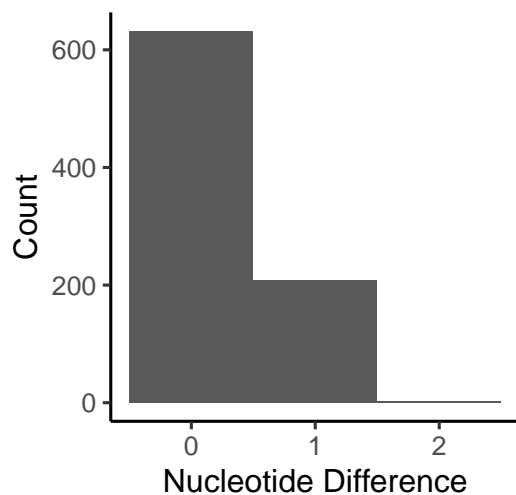
TRBV29-1*ap01

5012 sequences assigned
4928 (98.3%) exact matches, in which:
4782 unique CDR3
13 unique J



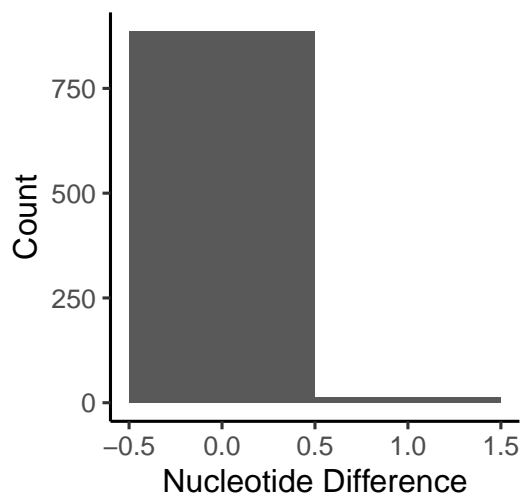
TRBV7-8*ap03

842 sequences assigned
632 (75.1%) exact matches, in which:
624 unique CDR3
13 unique J



TRBV29-1*ap02

899 sequences assigned
887 (98.7%) exact matches, in which:
870 unique CDR3
13 unique J



TRBV7-9*ap01

8623 sequences assigned
8546 (99.1%) exact matches, in which:
8432 unique CDR3
13 unique J

