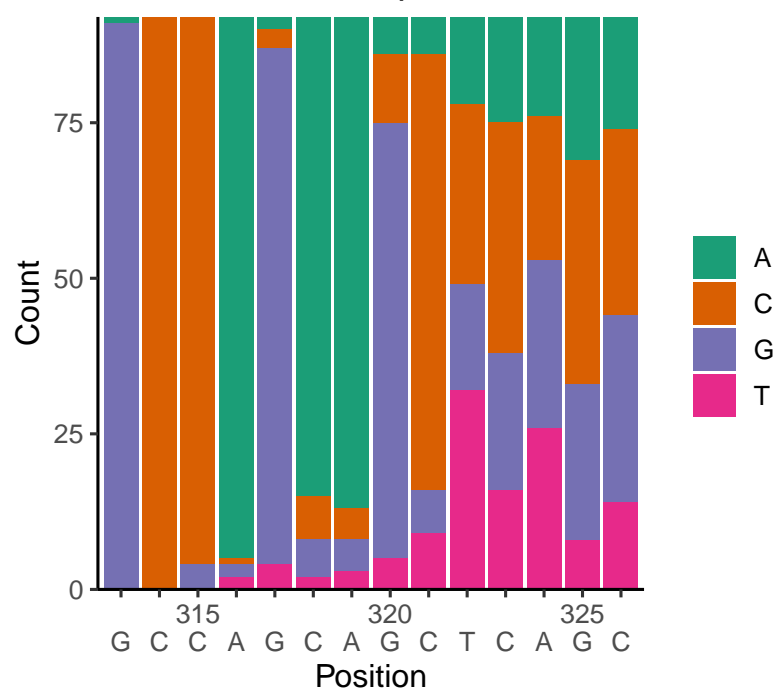
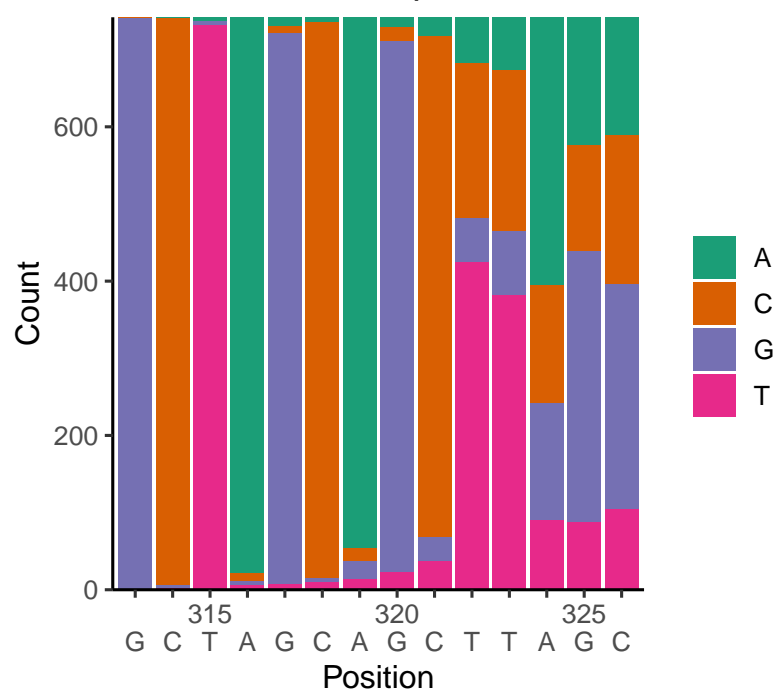


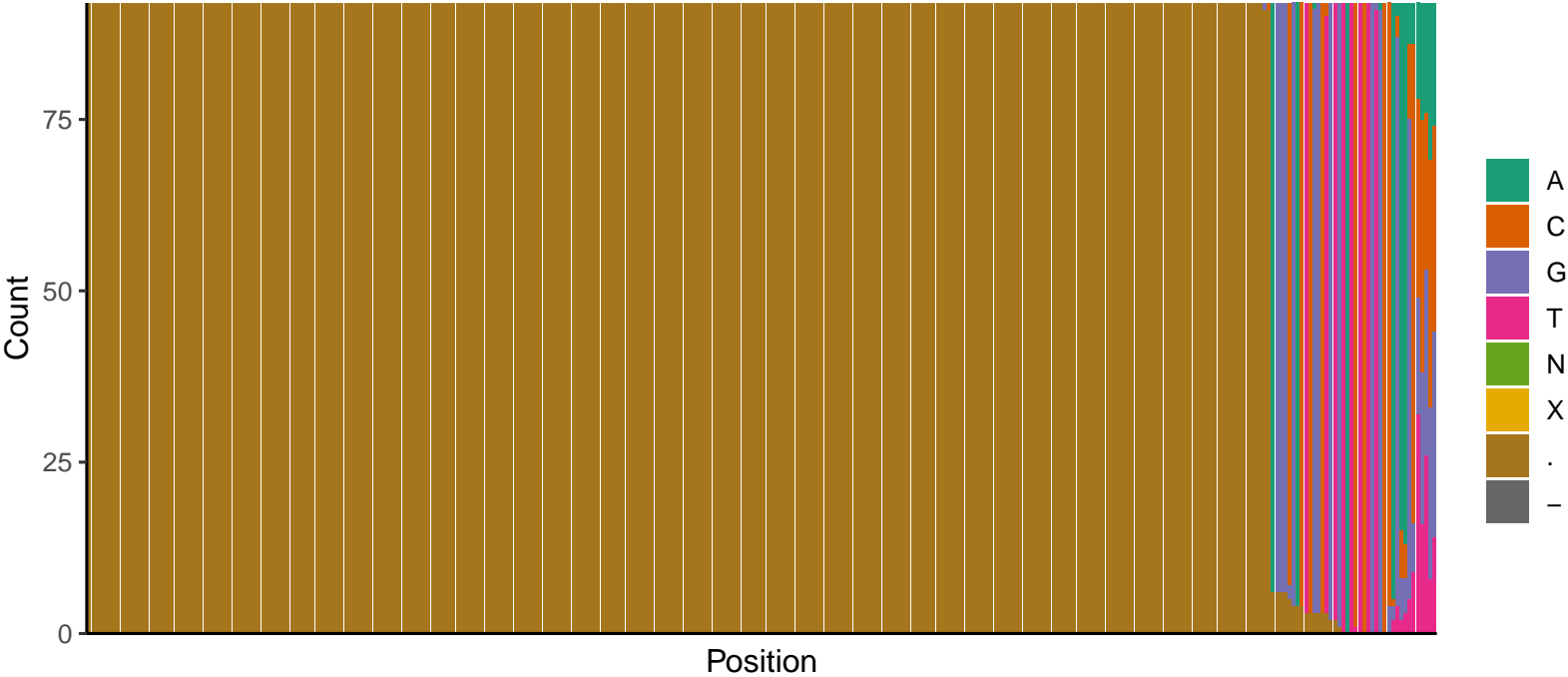
Gene TRBV7-1*ap01_T296C



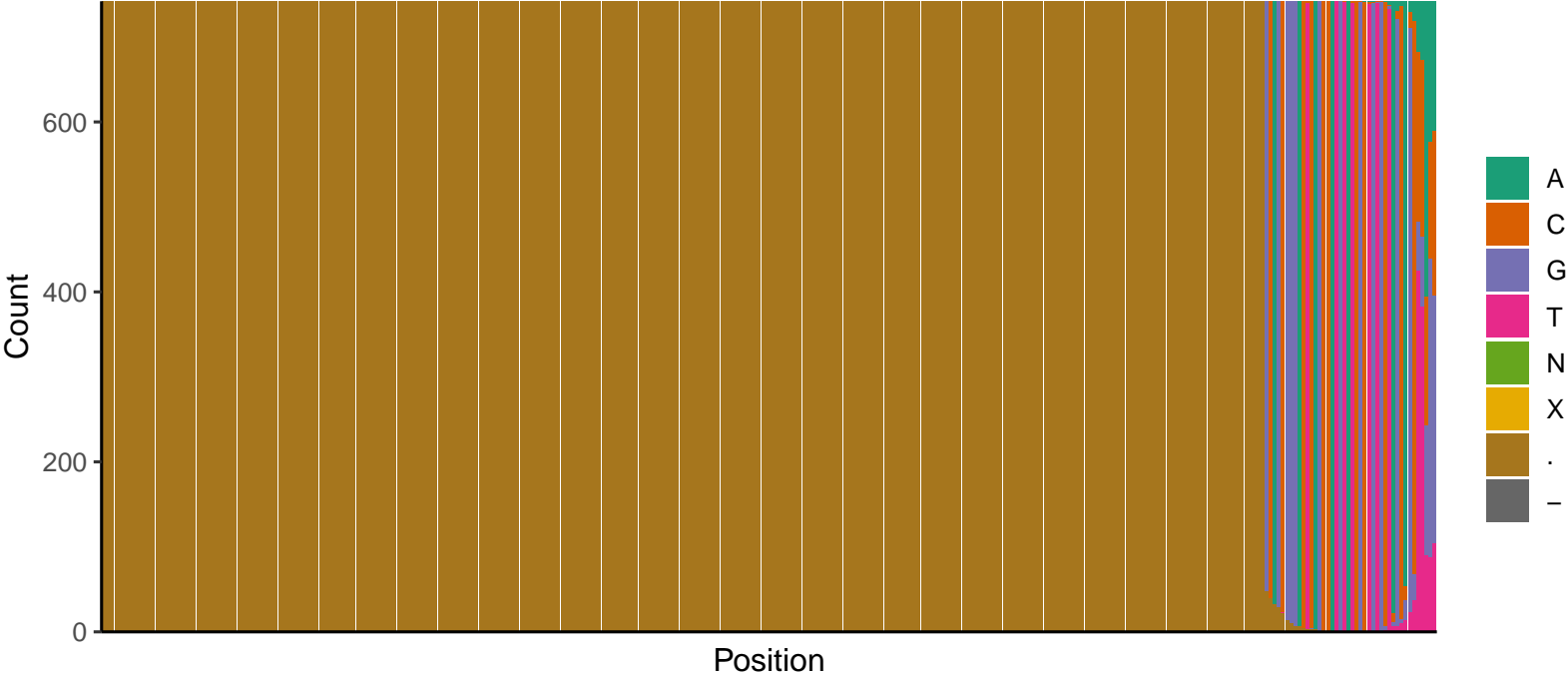
Gene TRBV7-7*ap01_C315T



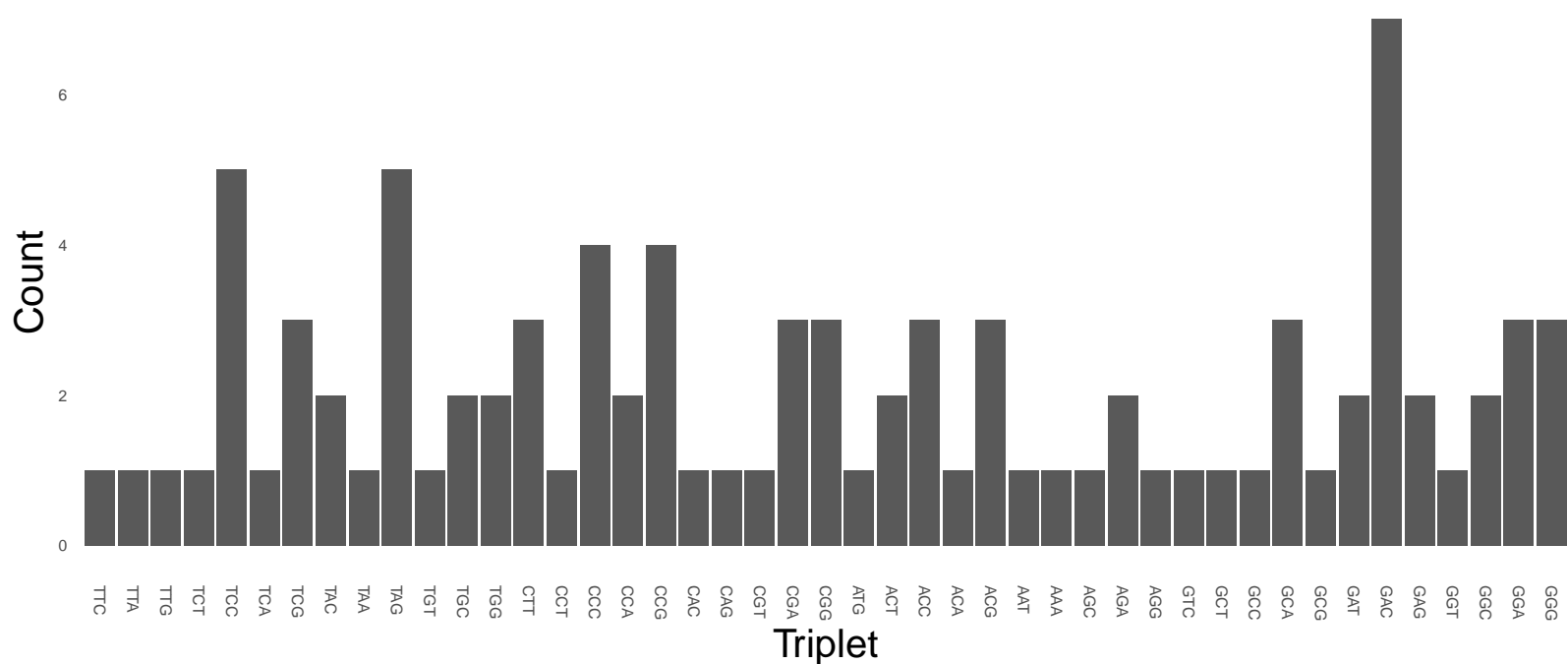
Gene TRBV7-1*ap01_T296C



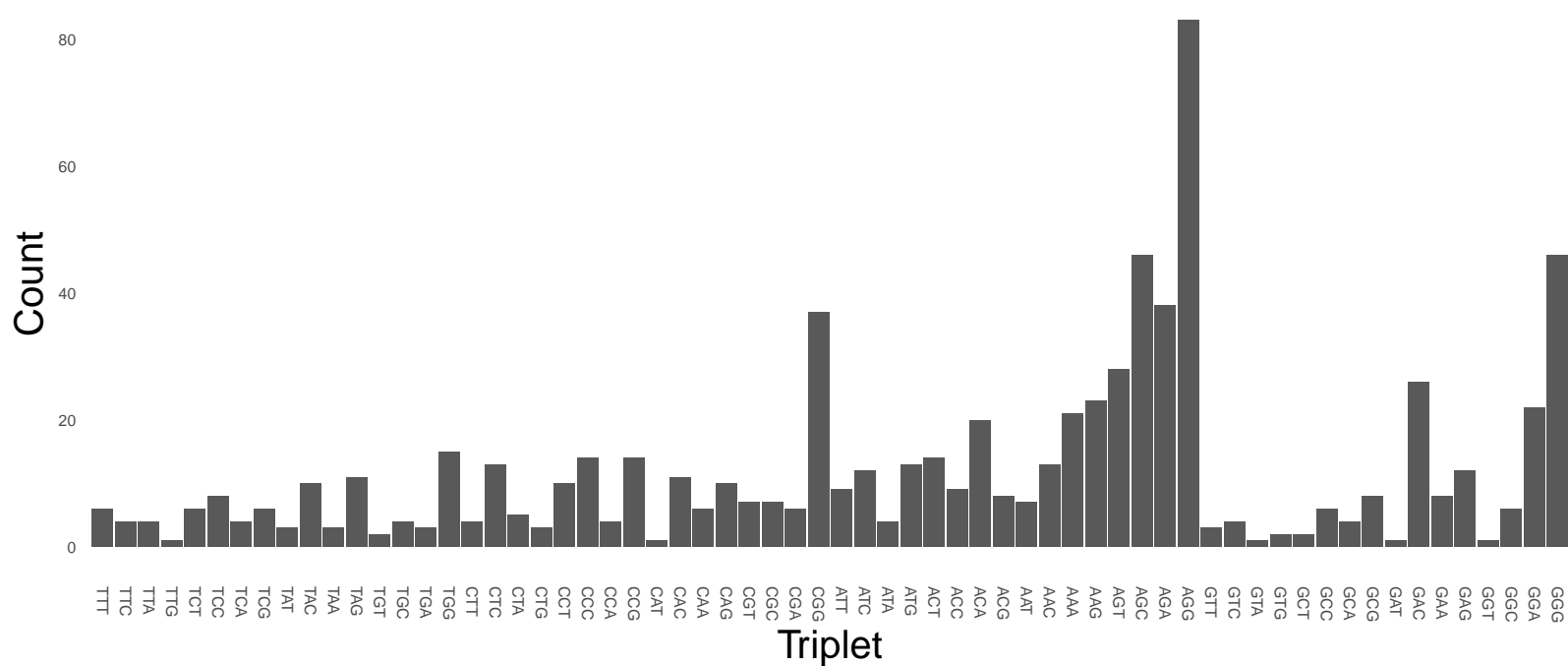
Gene TRBV7-7*ap01_C315T



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

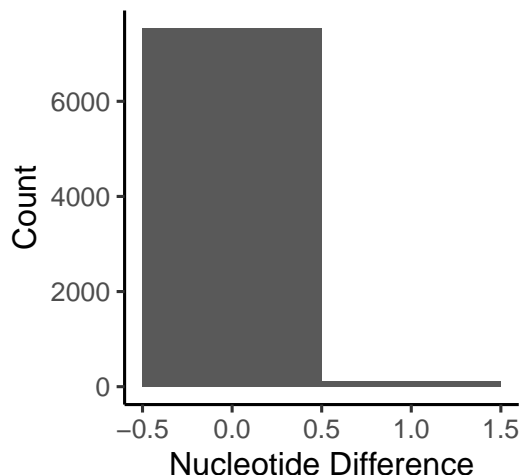


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



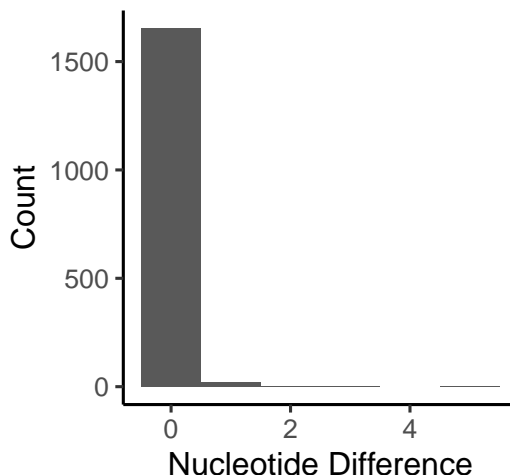
TRBV20-1*ap01

7656 sequences assigned
7533 (98.4%) exact matches, in which:
7340 unique CDR3
13 unique J



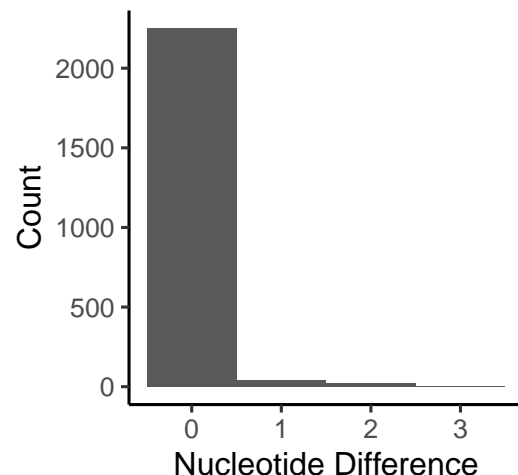
TRBV10-2*ap01

1677 sequences assigned
1653 (98.6%) exact matches, in which:
1611 unique CDR3
13 unique J



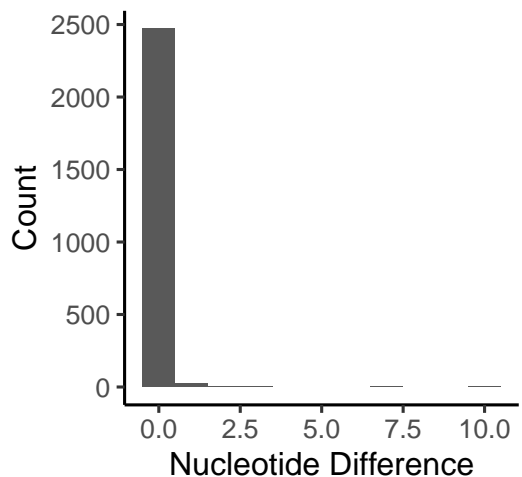
TRBV13*ap01

2316 sequences assigned
2250 (97.2%) exact matches, in which:
2169 unique CDR3
13 unique J



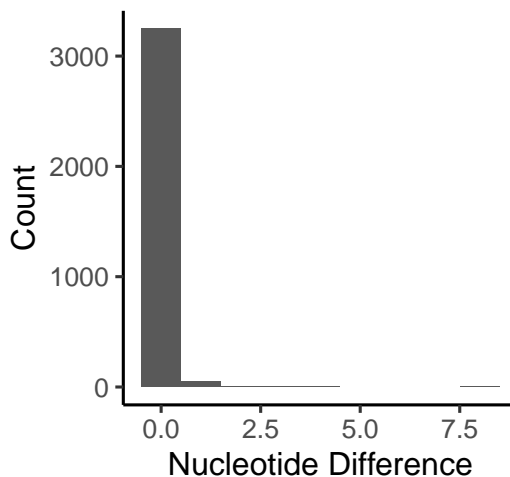
TRBV10-1*ap01

2499 sequences assigned
2471 (98.9%) exact matches, in which:
2400 unique CDR3
13 unique J



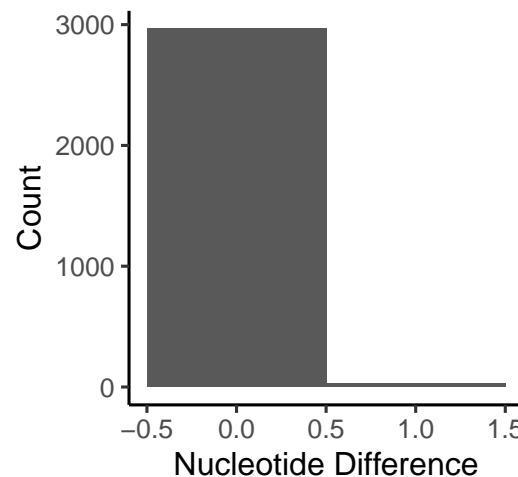
TRBV10-3*ap01

3312 sequences assigned
3248 (98.1%) exact matches, in which:
3142 unique CDR3
13 unique J



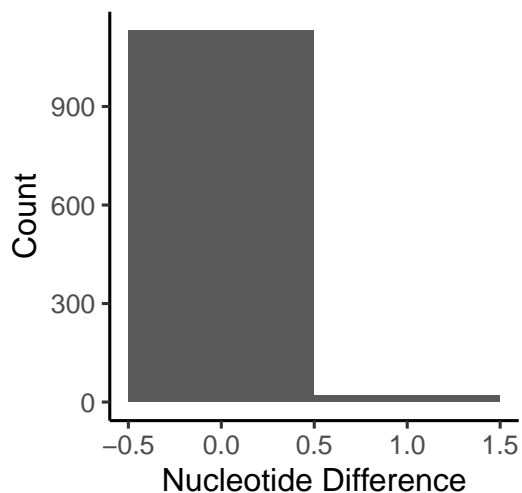
TRBV14*ap01

2994 sequences assigned
2966 (99.1%) exact matches, in which:
2888 unique CDR3
13 unique J



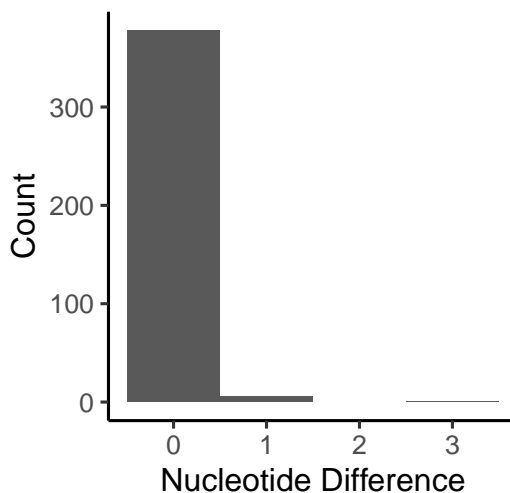
TRBV20-1*ap02

1152 sequences assigned
1132 (98.3%) exact matches, in which:
1106 unique CDR3
13 unique J



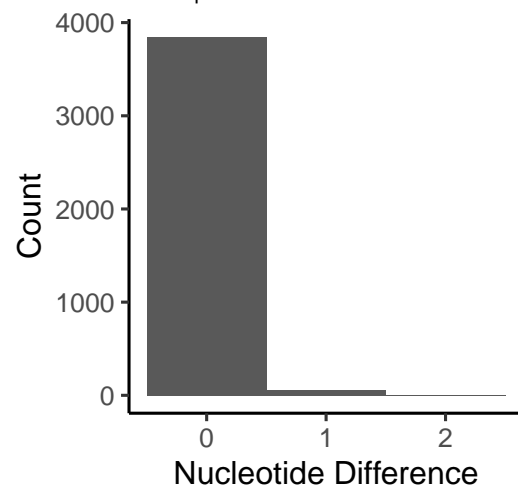
TRBV1*ap01

385 sequences assigned
378 (98.2%) exact matches, in which:
367 unique CDR3
13 unique J



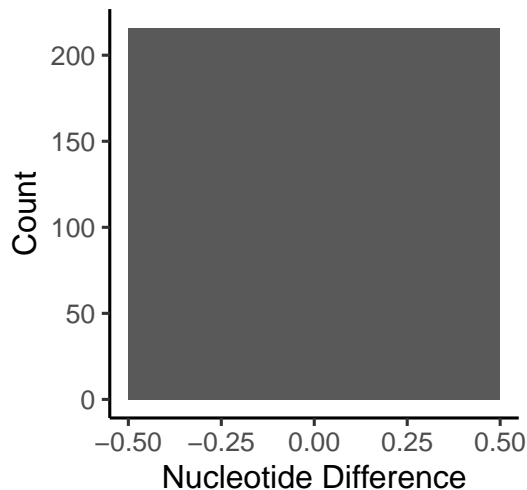
TRBV15*ap02

3906 sequences assigned
3845 (98.4%) exact matches, in which:
3710 unique CDR3
13 unique J



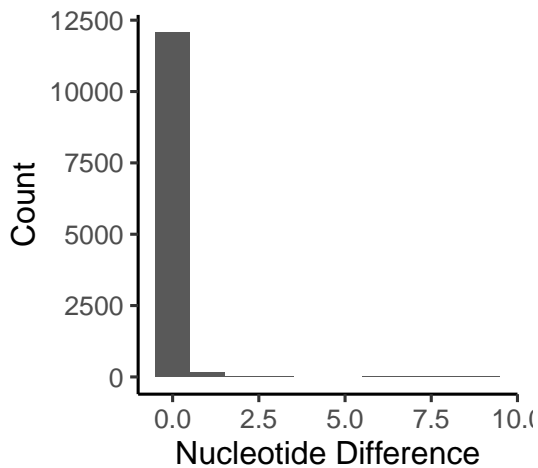
TRBV16*ap01

216 sequences assigned
216 (100%) exact matches, in which:
213 unique CDR3
13 unique J



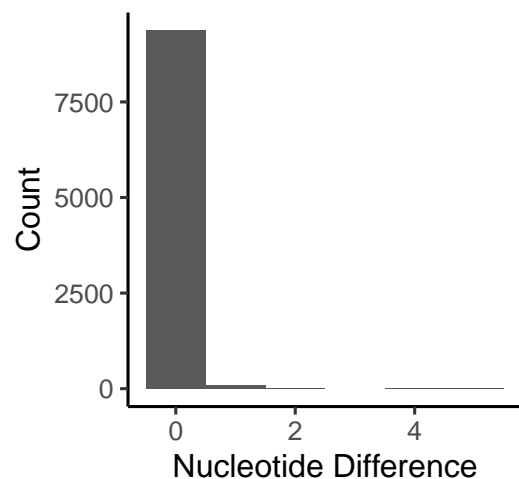
TRBV19*ap01

12252 sequences assigned
12081 (98.6%) exact matches, in which:
11899 unique CDR3
13 unique J



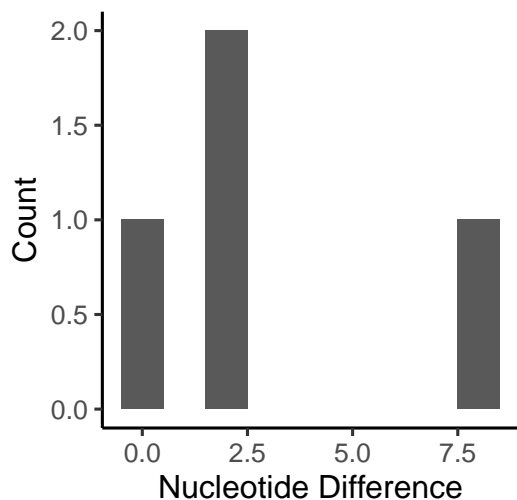
TRBV28*ap01

9473 sequences assigned
9371 (98.9%) exact matches, in which:
9207 unique CDR3
13 unique J



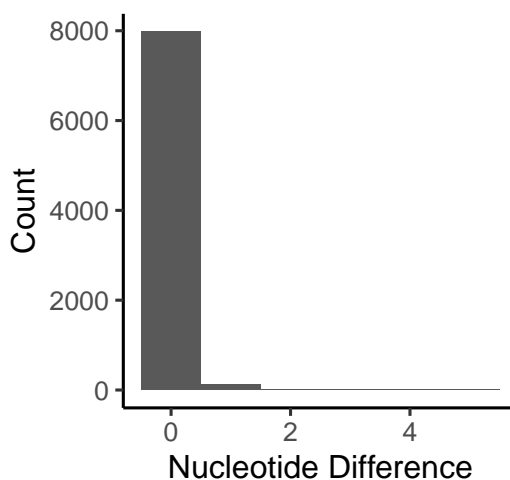
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



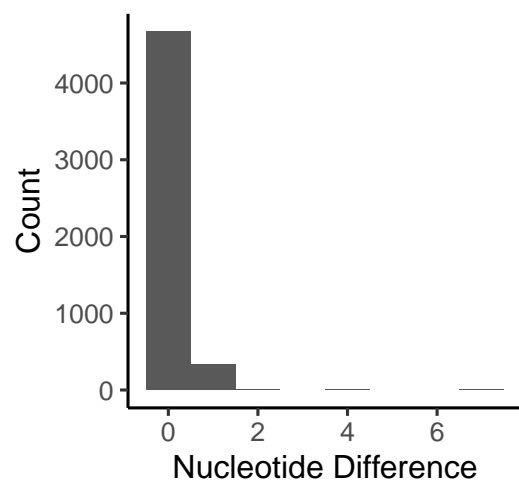
TRBV2*ap01

8105 sequences assigned
7978 (98.4%) exact matches, in which:
7738 unique CDR3
13 unique J



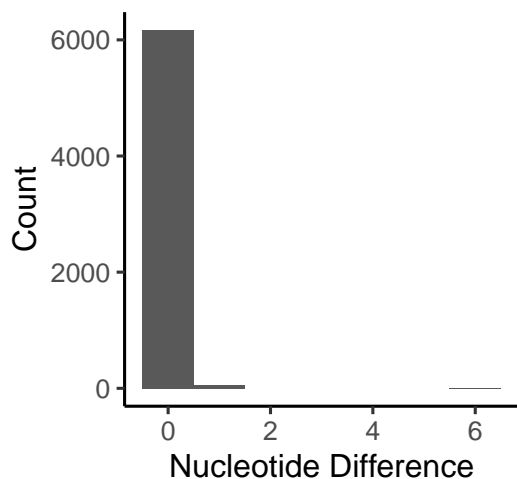
TRBV30*ap01

5007 sequences assigned
4668 (93.2%) exact matches, in which:
4538 unique CDR3
13 unique J



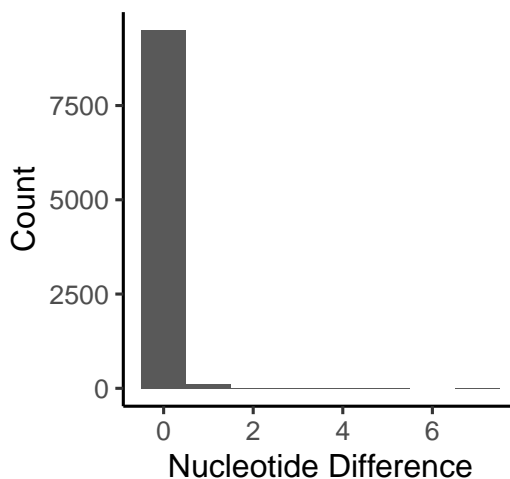
TRBV18*ap01

6224 sequences assigned
6169 (99.1%) exact matches, in which:
6079 unique CDR3
13 unique J



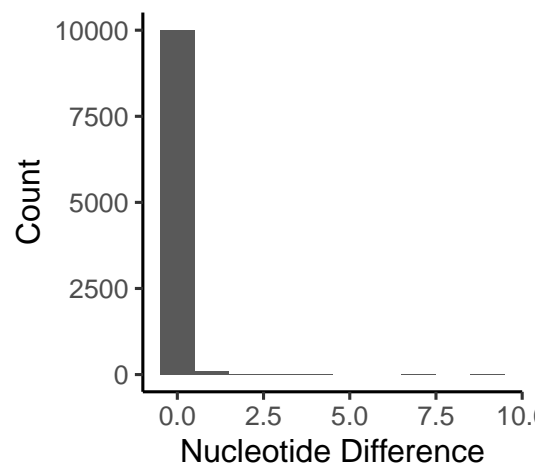
TRBV27*ap01

9622 sequences assigned
9502 (98.8%) exact matches, in which:
9309 unique CDR3
13 unique J



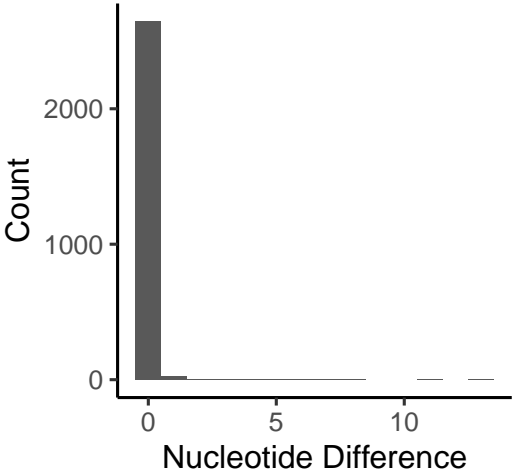
TRBV9*ap01

10125 sequences assigned
10012 (98.9%) exact matches, in which:
9801 unique CDR3
13 unique J



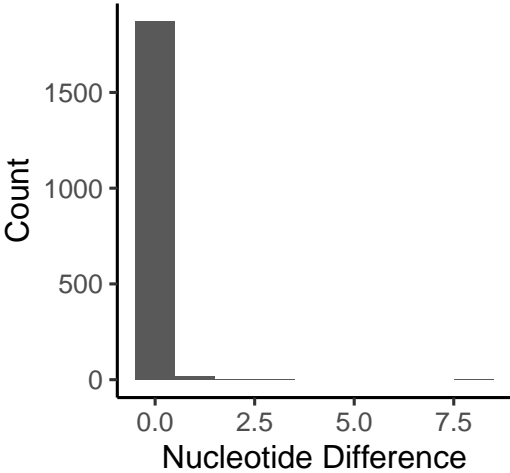
TRBV21-1*ap01

2685 sequences assigned
2645 (98.5%) exact matches, in which:
2621 unique CDR3
13 unique J



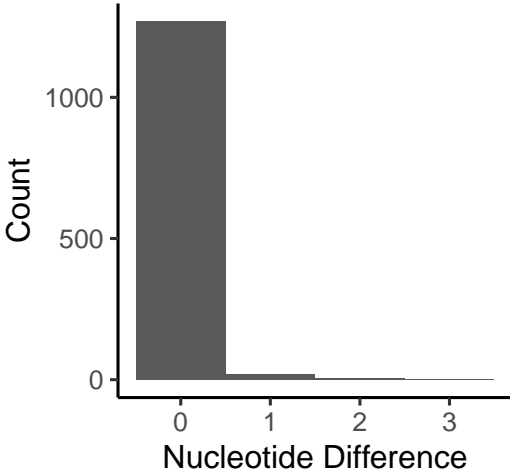
TRBV11-3*ap01

1894 sequences assigned
1871 (98.8%) exact matches, in which:
1831 unique CDR3
13 unique J



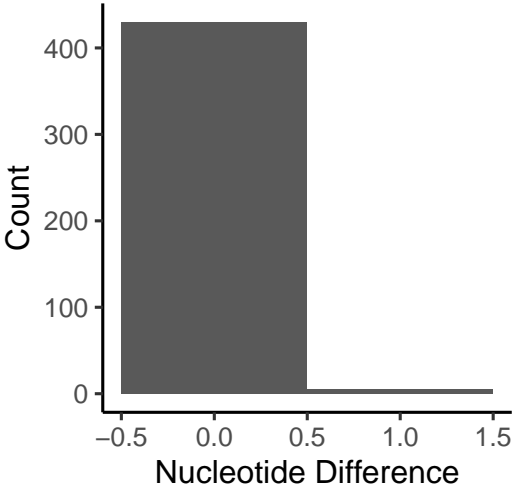
TRBV12-5*ap01

1293 sequences assigned
1269 (98.1%) exact matches, in which:
1237 unique CDR3
13 unique J



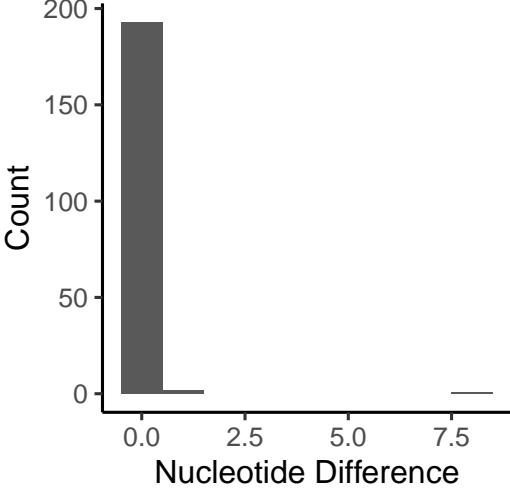
TRBV11-1*ap01

435 sequences assigned
430 (98.9%) exact matches, in which:
420 unique CDR3
13 unique J



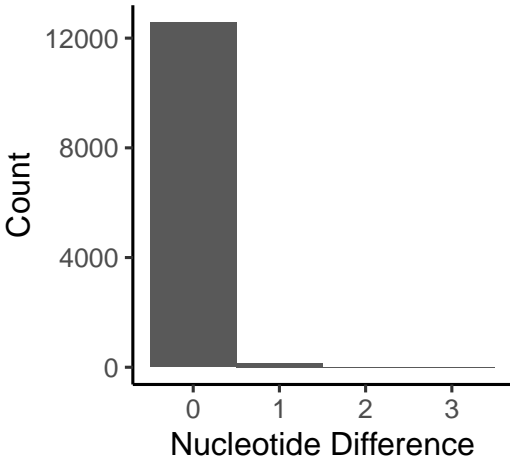
TRBV12-1*ap01

196 sequences assigned
193 (98.5%) exact matches, in which:
187 unique CDR3
13 unique J



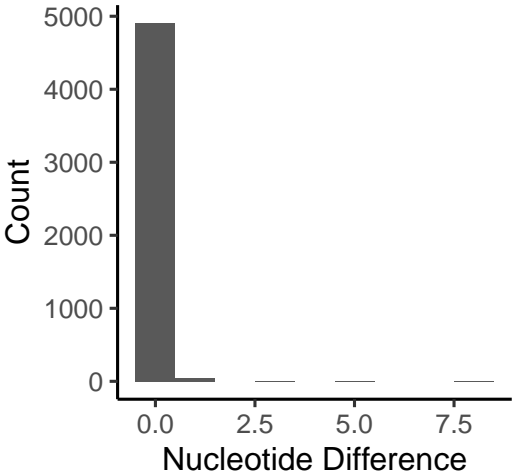
TRBV12-34*ap01

12740 sequences assigned
12571 (98.7%) exact matches, in which:
12265 unique CDR3
13 unique J



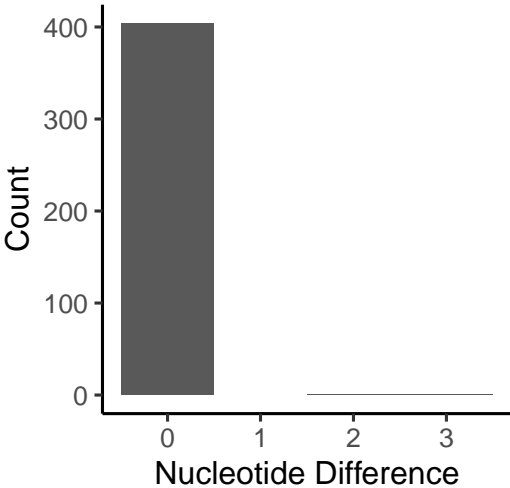
TRBV11-2*ap01

4953 sequences assigned
4907 (99.1%) exact matches, in which:
4791 unique CDR3
13 unique J



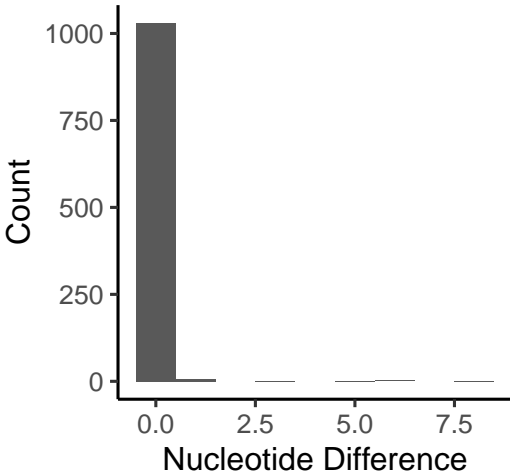
TRBV12-2*ap01

406 sequences assigned
404 (99.5%) exact matches, in which:
399 unique CDR3
13 unique J



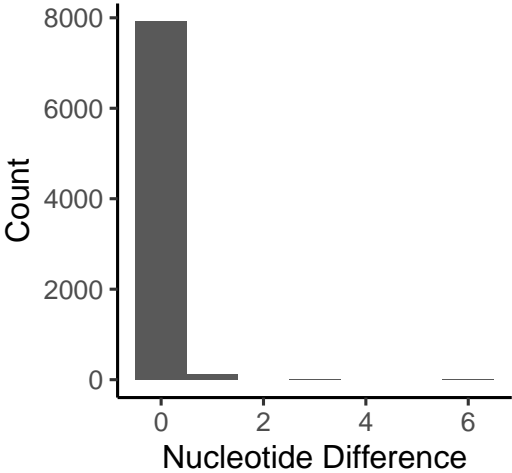
TRBV23-1*ap01

1042 sequences assigned
1030 (98.8%) exact matches, in which:
1020 unique CDR3
13 unique J



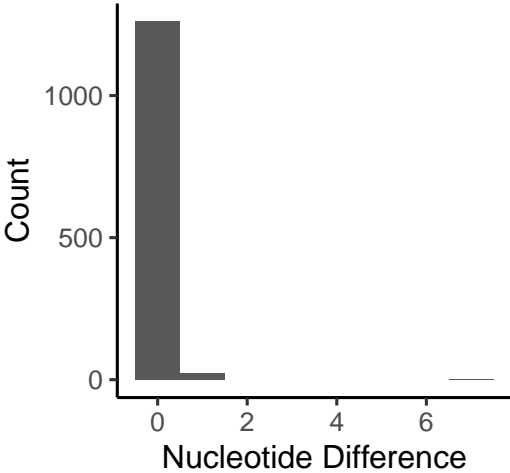
TRBV3-12*ap01

8044 sequences assigned
7920 (98.5%) exact matches, in which:
7727 unique CDR3
13 unique J



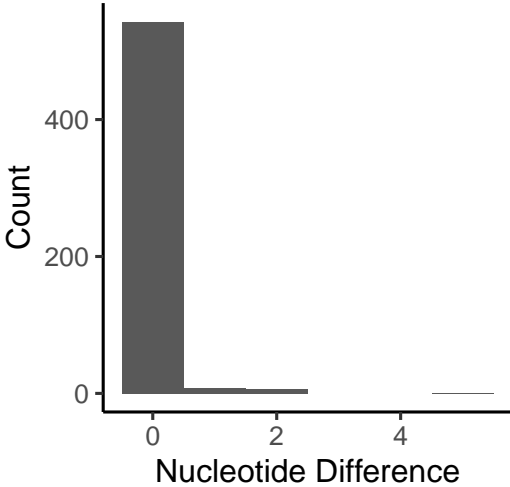
TRBV4-2*ap01

1285 sequences assigned
1261 (98.1%) exact matches, in which:
1230 unique CDR3
13 unique J



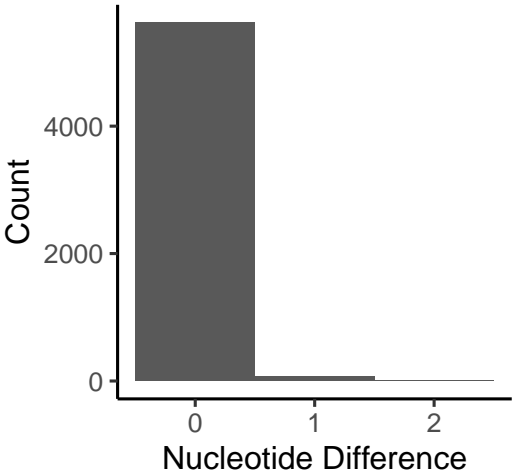
TRBV5-3*ap01

559 sequences assigned
543 (97.1%) exact matches, in which:
526 unique CDR3
13 unique J



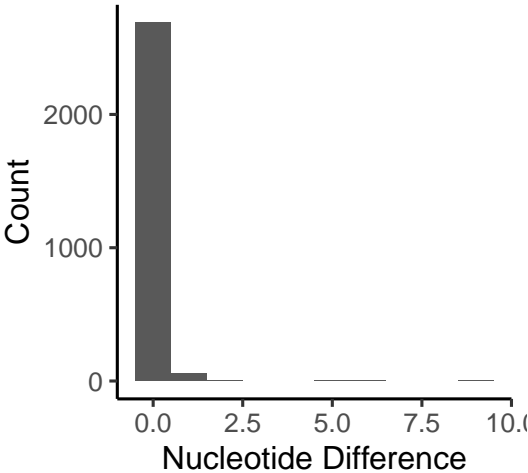
TRBV4-1*ap01

5697 sequences assigned
5623 (98.7%) exact matches, in which:
5440 unique CDR3
13 unique J



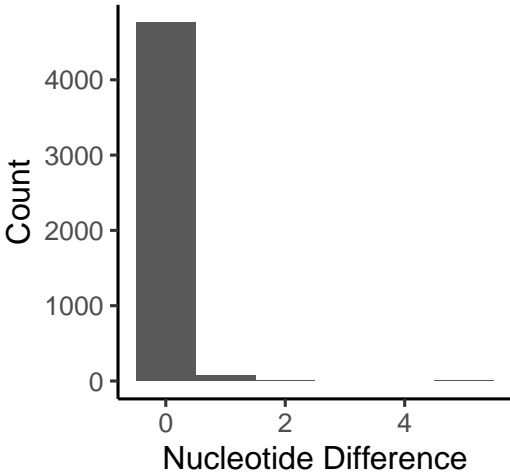
TRBV25-1*ap01

2755 sequences assigned
2688 (97.6%) exact matches, in which:
2609 unique CDR3
13 unique J



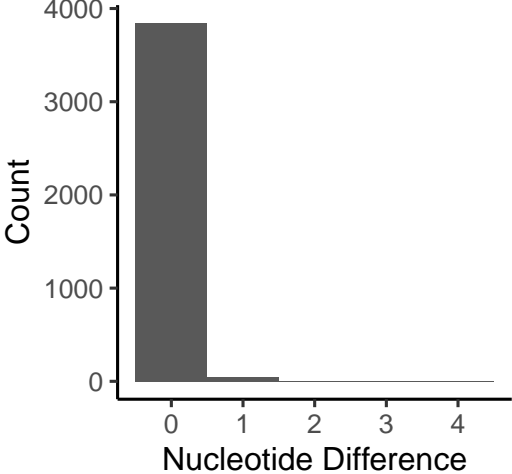
TRBV5-4*ap01

4830 sequences assigned
4758 (98.5%) exact matches, in which:
4611 unique CDR3
13 unique J



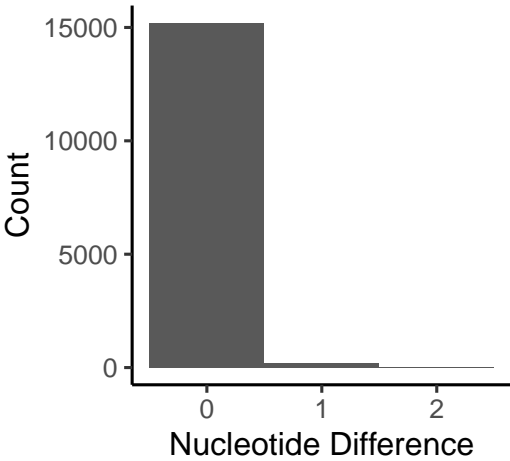
TRBV24-1*ap01

3893 sequences assigned
3844 (98.7%) exact matches, in which:
3778 unique CDR3
13 unique J



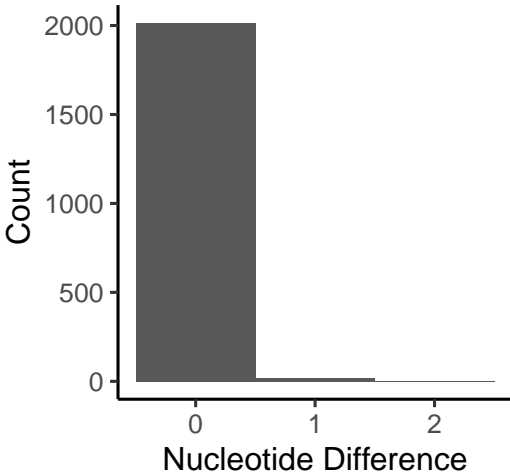
TRBV5-1*ap01

15413 sequences assigned
15206 (98.7%) exact matches, in which:
14697 unique CDR3
13 unique J



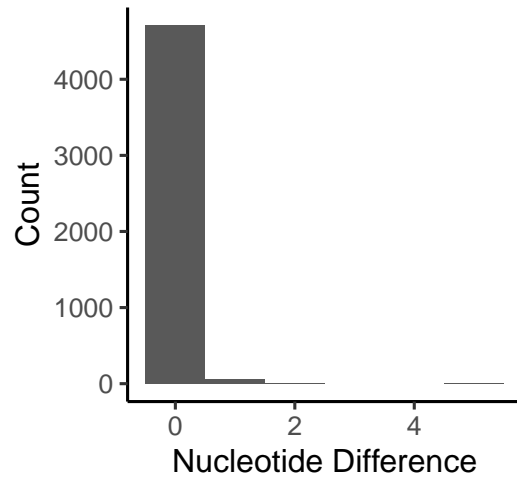
TRBV5-5*ap01

2034 sequences assigned
2014 (99%) exact matches, in which:
1981 unique CDR3
13 unique J



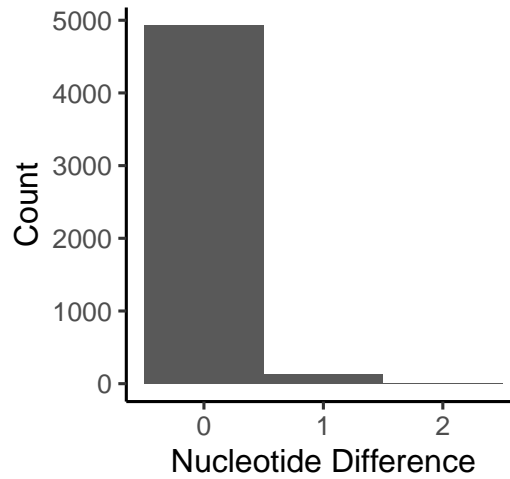
TRBV5-6*ap01

4772 sequences assigned
4708 (98.7%) exact matches, in which:
4517 unique CDR3
13 unique J



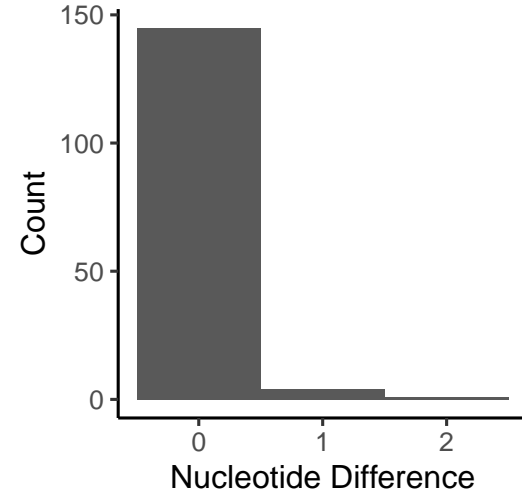
TRBV6-1*ap01

5069 sequences assigned
4929 (97.2%) exact matches, in which:
4774 unique CDR3
13 unique J



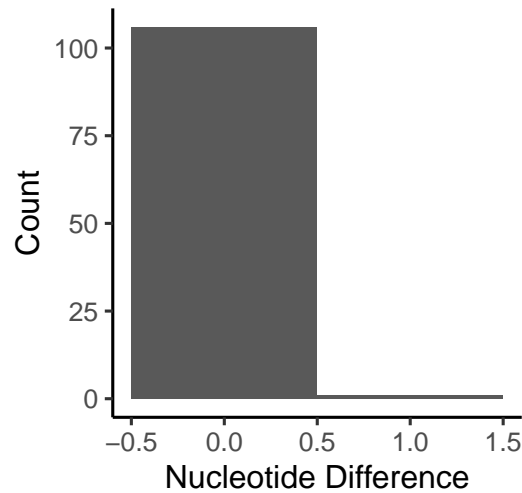
TRBV6-8*ap01

150 sequences assigned
145 (96.7%) exact matches, in which:
142 unique CDR3
13 unique J



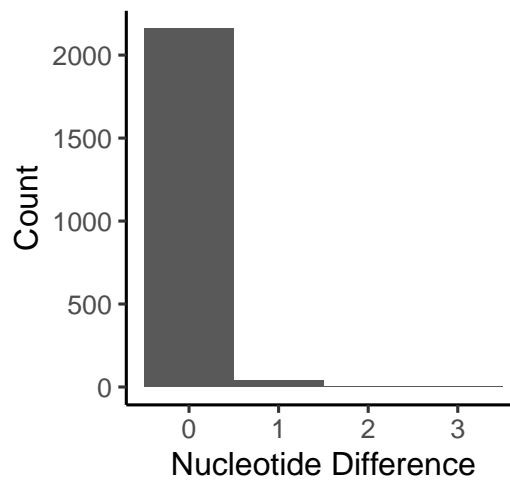
TRBV5-7*ap01

107 sequences assigned
106 (99.1%) exact matches, in which:
102 unique CDR3
13 unique J



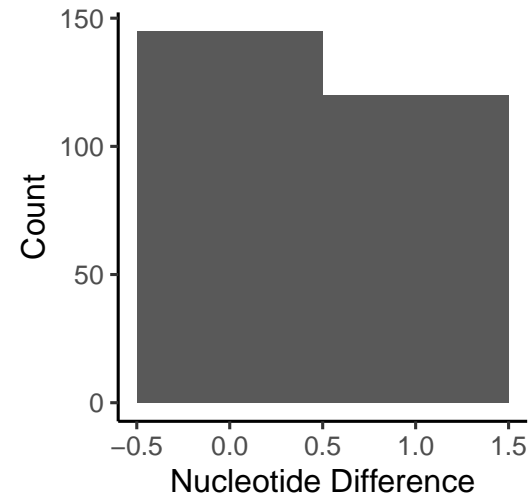
TRBV6-4*ap01

2200 sequences assigned
2159 (98.1%) exact matches, in which:
2134 unique CDR3
13 unique J



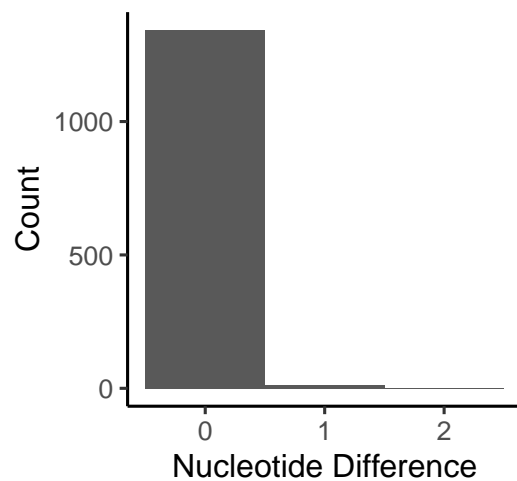
TRBV6-9*ap01

265 sequences assigned
145 (54.7%) exact matches, in which:
141 unique CDR3
13 unique J



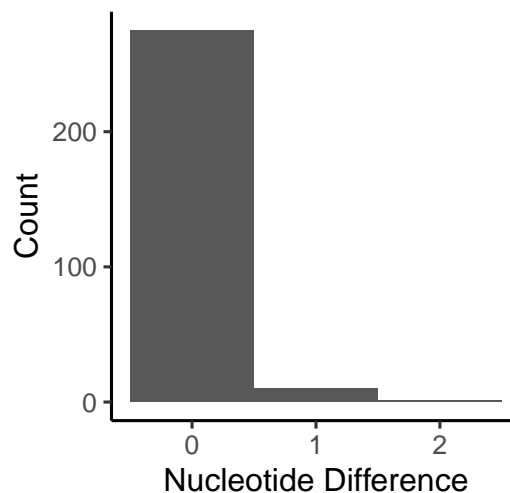
TRBV5-8*ap01

1357 sequences assigned
1343 (99%) exact matches, in which:
1320 unique CDR3
13 unique J



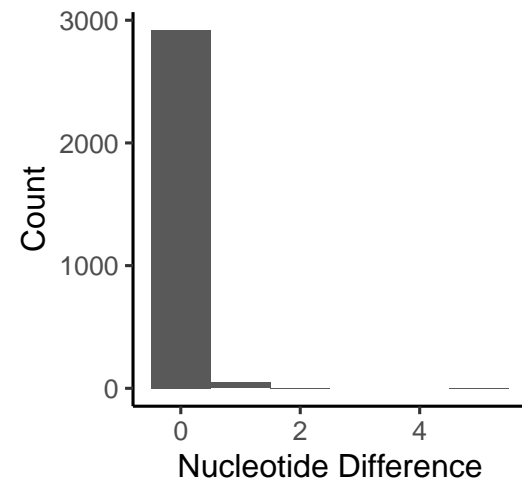
TRBV6-7*ap01

286 sequences assigned
275 (96.2%) exact matches, in which:
265 unique CDR3
13 unique J



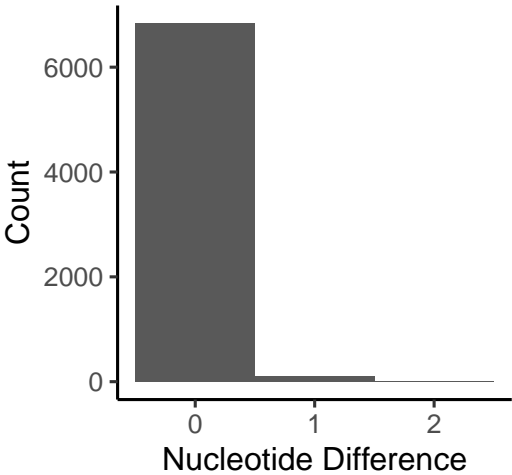
TRBV6-23*ap01

2970 sequences assigned
2920 (98.3%) exact matches, in which:
2791 unique CDR3
13 unique J



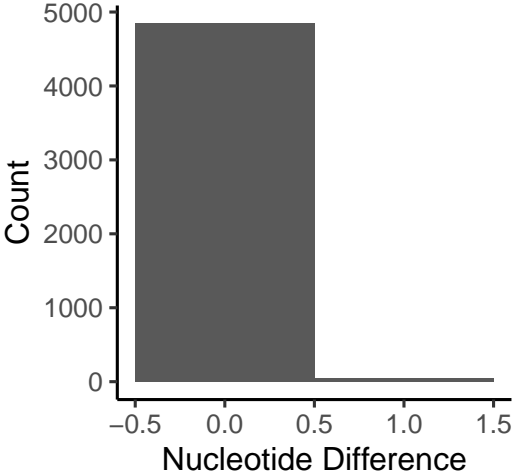
TRBV6-56*ap01

6949 sequences assigned
6835 (98.4%) exact matches, in which:
6573 unique CDR3
13 unique J



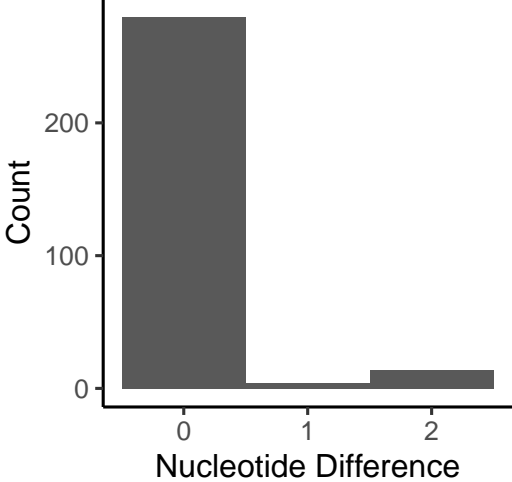
TRBV7-2*ap01

4894 sequences assigned
4846 (99%) exact matches, in which:
4728 unique CDR3
13 unique J



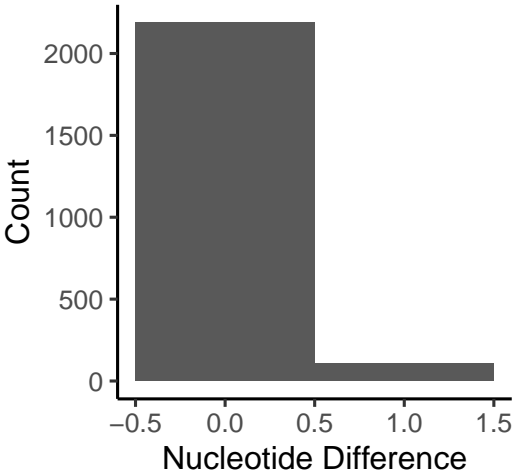
TRBV7-4*ap01

298 sequences assigned
280 (94%) exact matches, in which:
273 unique CDR3
13 unique J



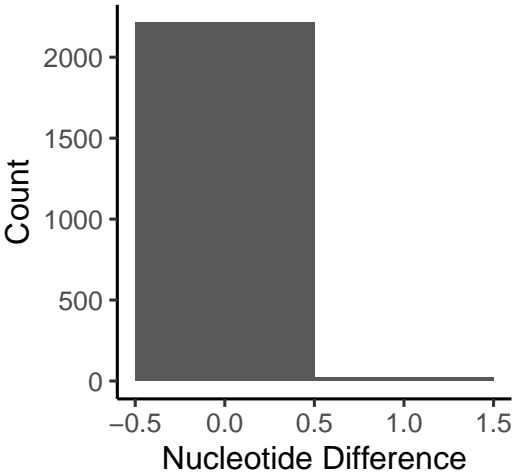
TRBV6-56*ap02

2294 sequences assigned
2188 (95.4%) exact matches, in which:
2111 unique CDR3
13 unique J



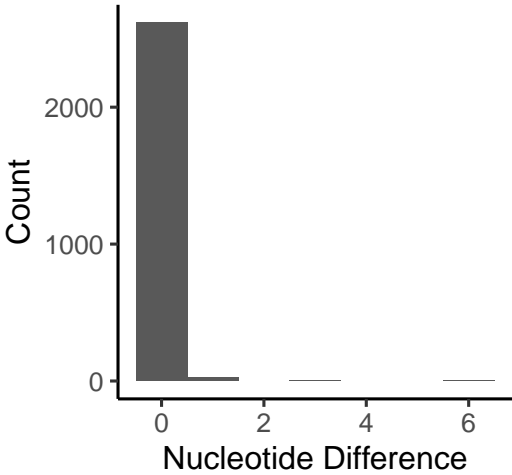
TRBV7-3*ap01

2233 sequences assigned
2213 (99.1%) exact matches, in which:
2179 unique CDR3
13 unique J



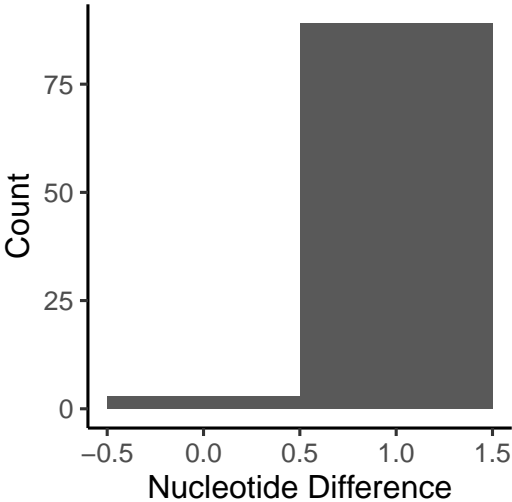
TRBV7-6*ap01

2648 sequences assigned
2617 (98.8%) exact matches, in which:
2543 unique CDR3
13 unique J



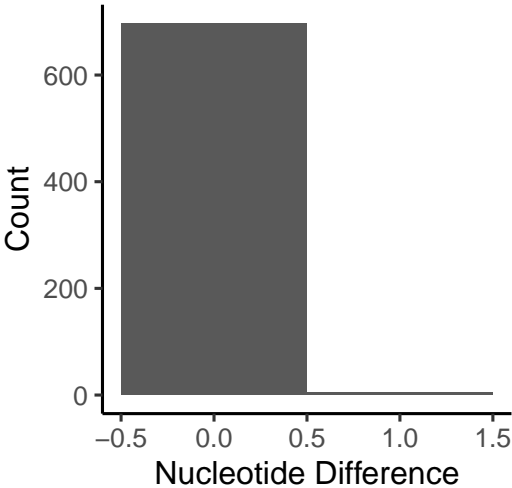
TRBV7-1*ap01_T296C

92 sequences assigned
3 (3.3%) exact matches, in which:
3 unique CDR3
2 unique J



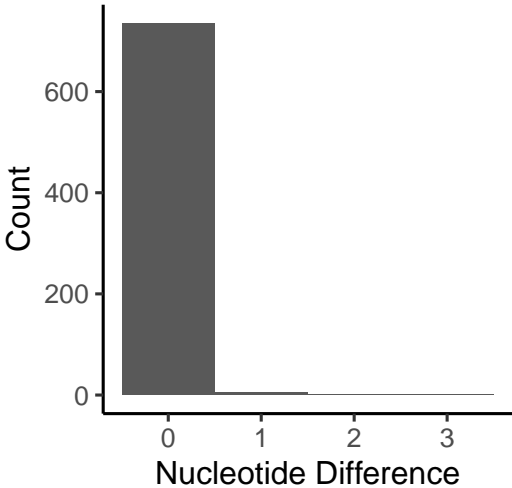
TRBV7-3*ap02

701 sequences assigned
697 (99.4%) exact matches, in which:
680 unique CDR3
13 unique J



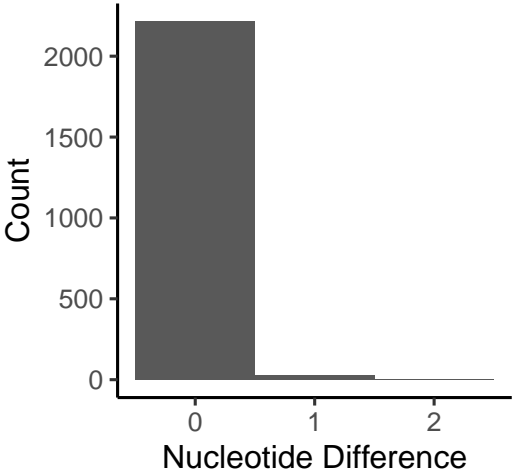
TRBV7-7*ap01_C315T

742 sequences assigned
735 (99.1%) exact matches, in which:
718 unique CDR3
13 unique J



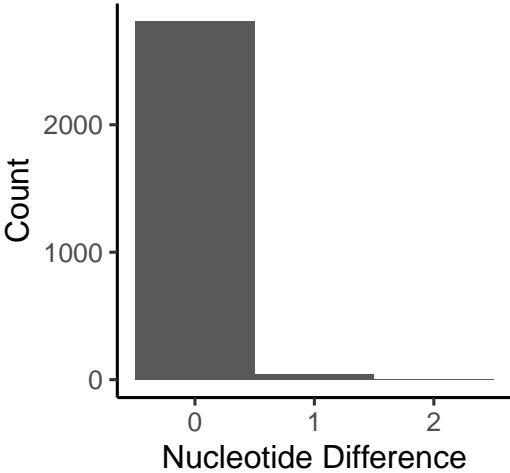
TRBV7-8*ap01

2245 sequences assigned
2215 (98.7%) exact matches, in which:
2163 unique CDR3
13 unique J



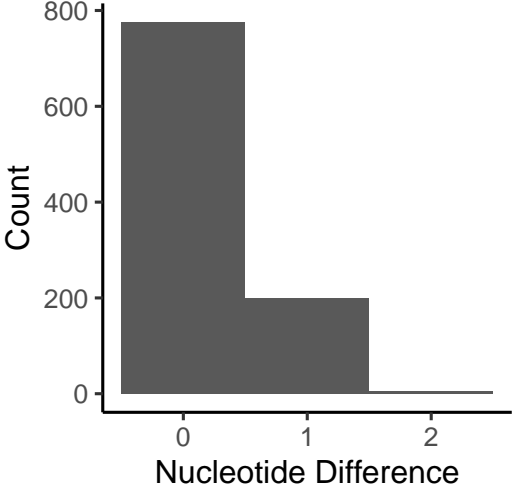
TRBV29-1*ap01

2859 sequences assigned
2811 (98.3%) exact matches, in which:
2707 unique CDR3
13 unique J



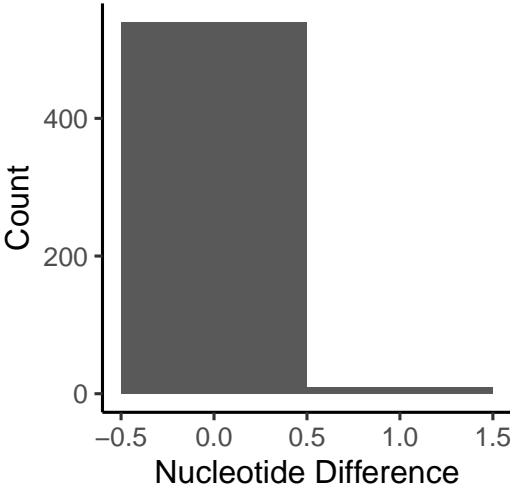
TRBV7-8*ap03

980 sequences assigned
776 (79.2%) exact matches, in which:
762 unique CDR3
13 unique J



TRBV29-1*ap02

550 sequences assigned
540 (98.2%) exact matches, in which:
522 unique CDR3
13 unique J



TRBV7-9*ap01

9792 sequences assigned
9670 (98.8%) exact matches, in which:
9362 unique CDR3
13 unique J

