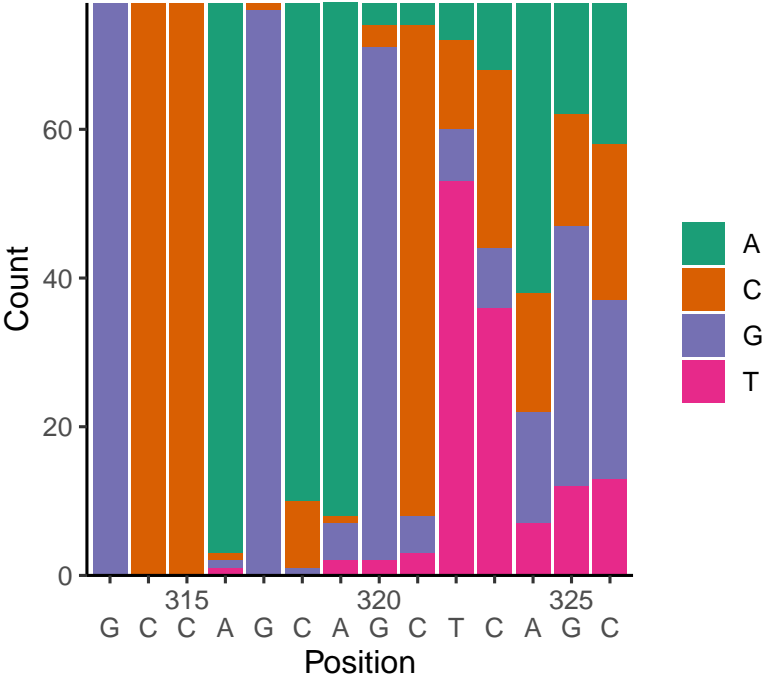


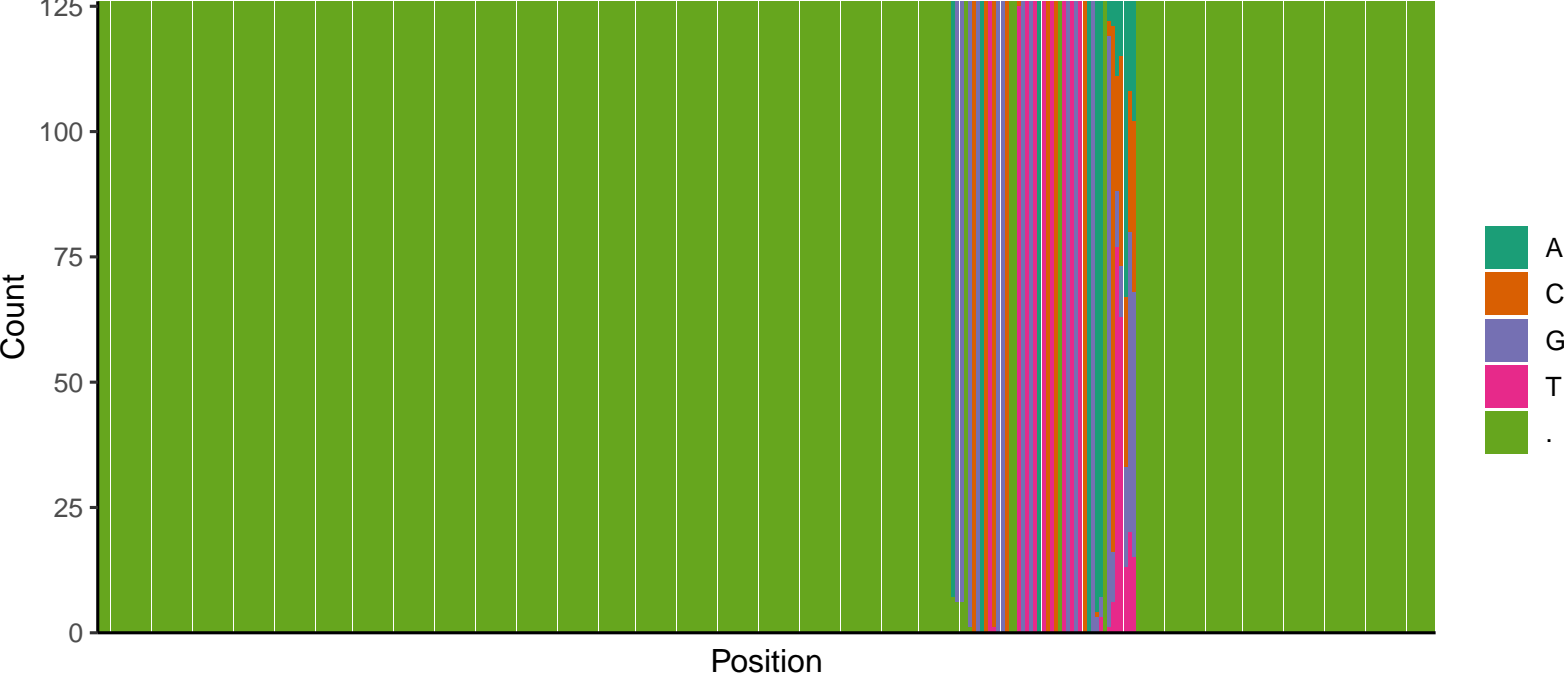
Gene TRBV7-1*ap01_G291C_T296C



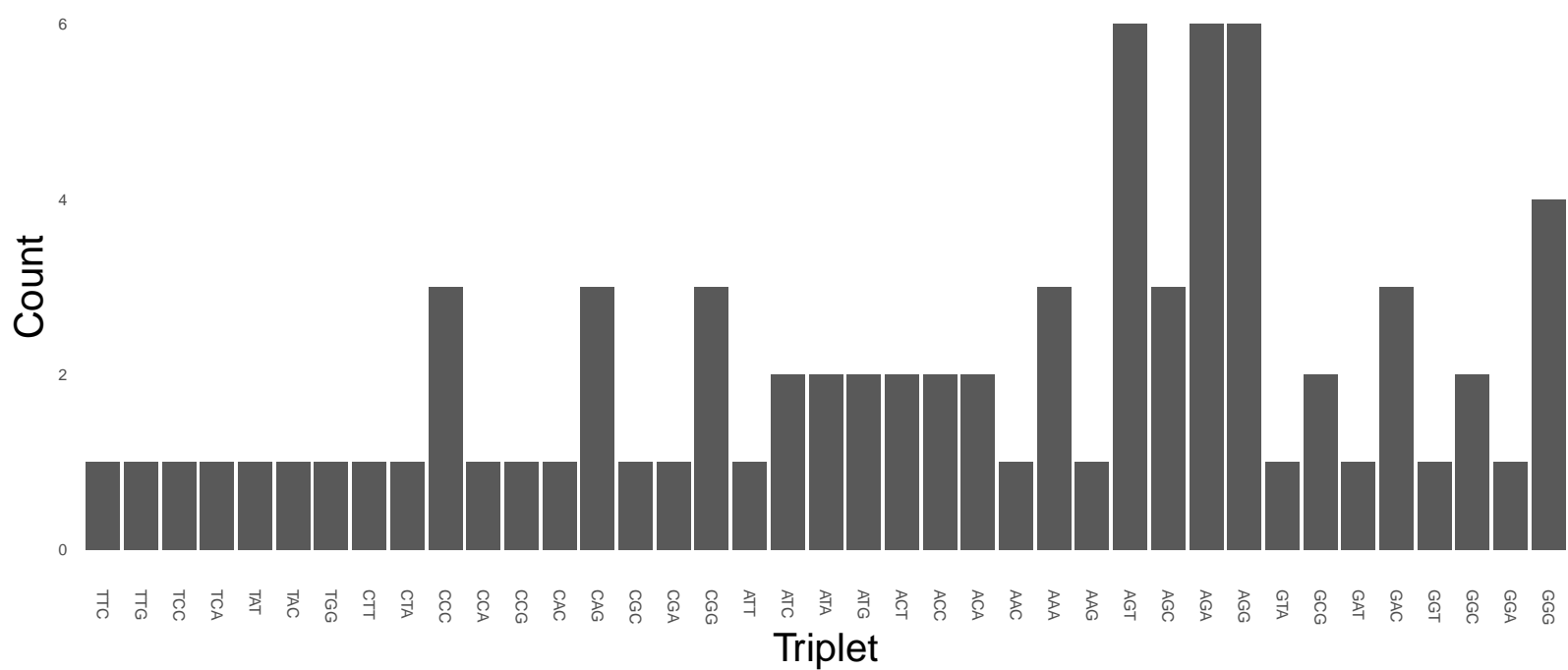
Gene TRBV7-1*ap01_G291C_T296C



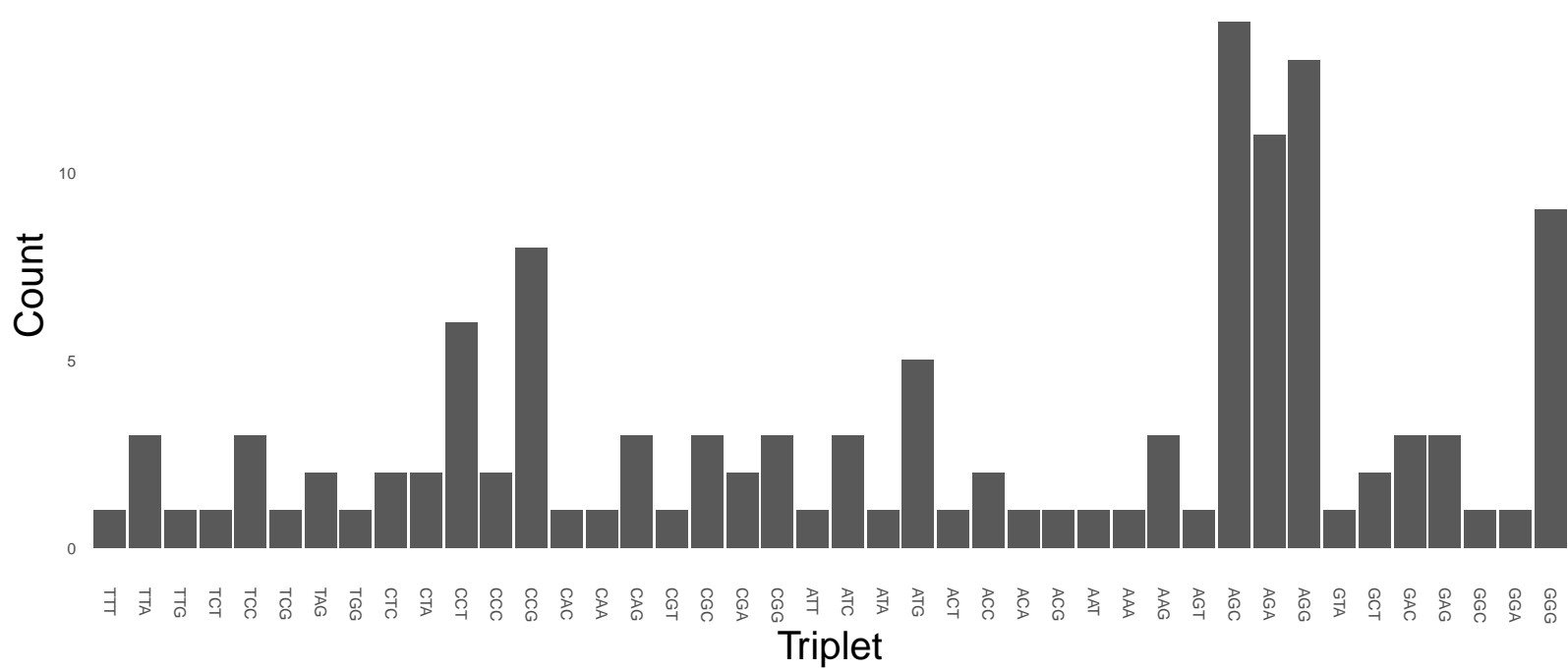
Gene TRBV7-1*ap01_G291C_T296C_C314T



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

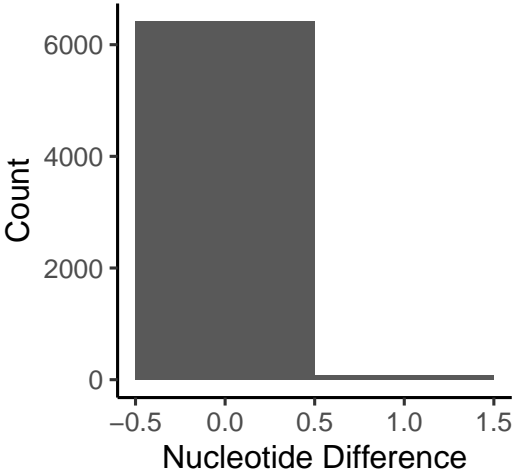


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



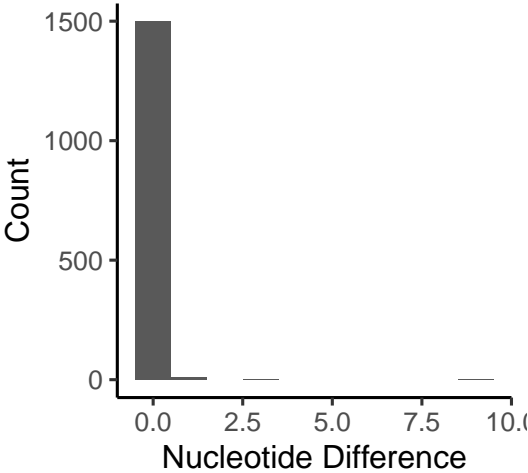
TRBV20-1*ap01

6496 sequences assigned
6417 (98.8%) exact matches, in which:
6338 unique CDR3
13 unique J



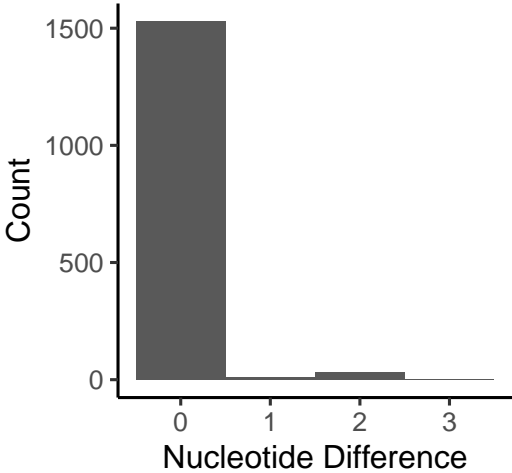
TRBV10-2*ap01

1512 sequences assigned
1499 (99.1%) exact matches, in which:
1478 unique CDR3
13 unique J



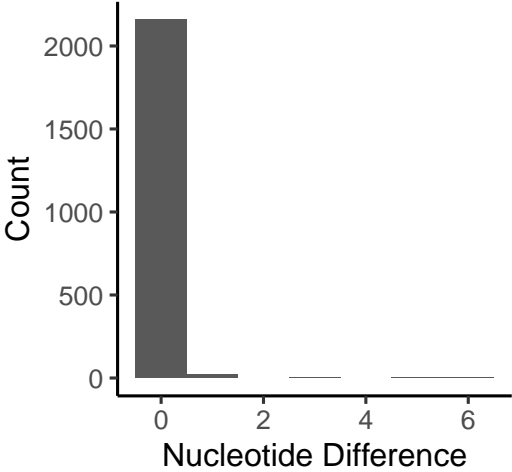
TRBV13*ap01

1572 sequences assigned
1529 (97.3%) exact matches, in which:
1485 unique CDR3
13 unique J



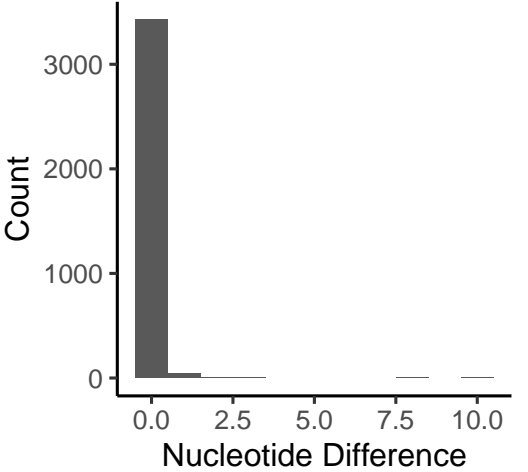
TRBV10-1*ap01

2181 sequences assigned
2158 (98.9%) exact matches, in which:
2120 unique CDR3
13 unique J



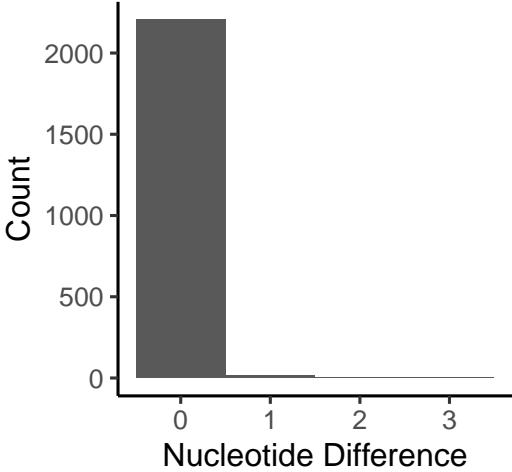
TRBV10-3*ap01

3473 sequences assigned
3426 (98.6%) exact matches, in which:
3372 unique CDR3
13 unique J



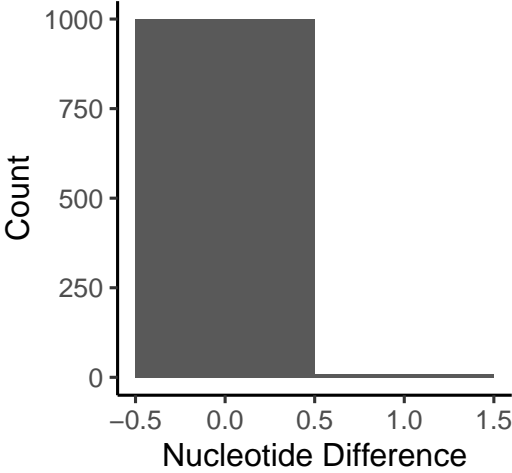
TRBV14*ap01

2225 sequences assigned
2205 (99.1%) exact matches, in which:
2188 unique CDR3
13 unique J



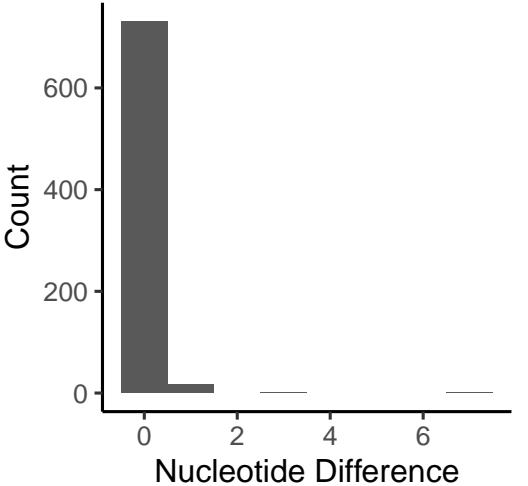
TRBV20-1*ap02

1010 sequences assigned
1000 (99%) exact matches, in which:
992 unique CDR3
13 unique J



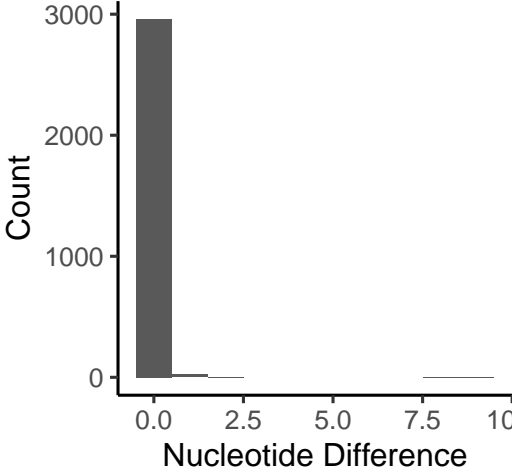
TRBV1*ap01

749 sequences assigned
731 (97.6%) exact matches, in which:
707 unique CDR3
13 unique J



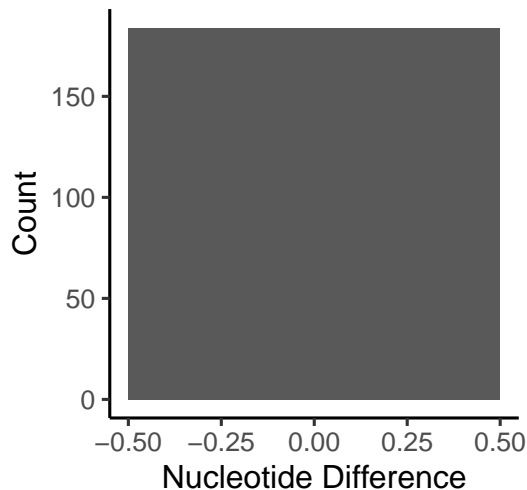
TRBV15*ap02

2986 sequences assigned
2960 (99.1%) exact matches, in which:
2907 unique CDR3
13 unique J



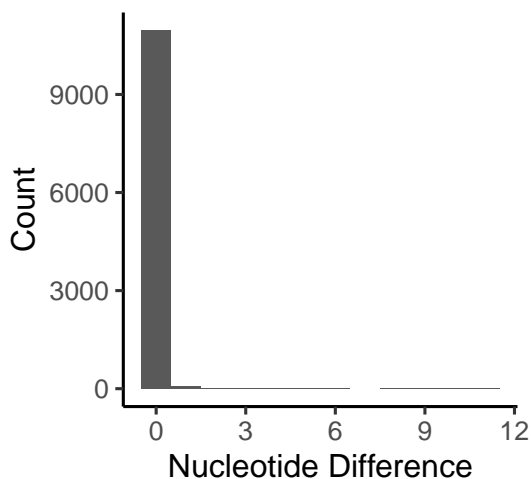
TRBV16*ap01

184 sequences assigned
184 (100%) exact matches, in which:
183 unique CDR3
13 unique J



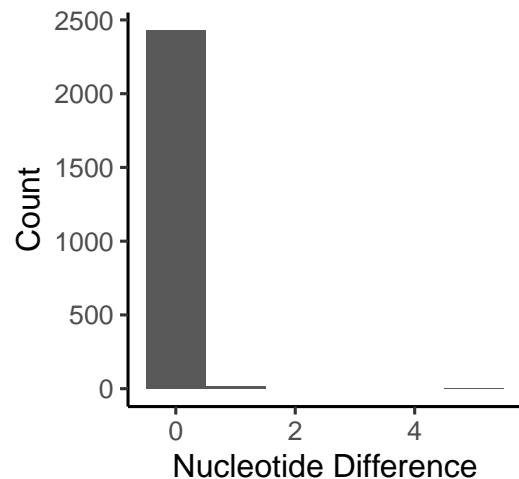
TRBV19*ap01

11043 sequences assigned
10959 (99.2%) exact matches, in which:
10895 unique CDR3
13 unique J



TRBV28*ap01

2445 sequences assigned
2429 (99.3%) exact matches, in which:
2396 unique CDR3
13 unique J



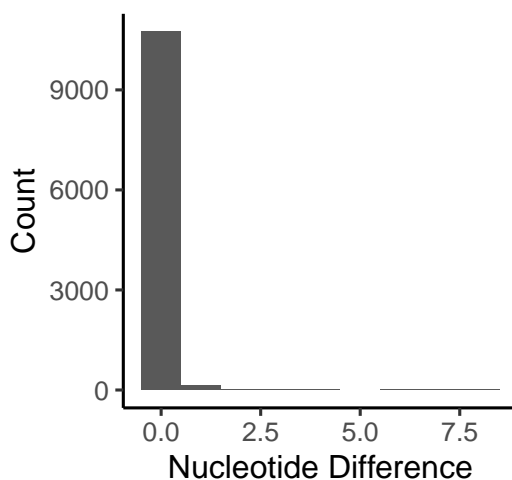
TRBV17*ap01

1 sequences assigned
No exact matches.



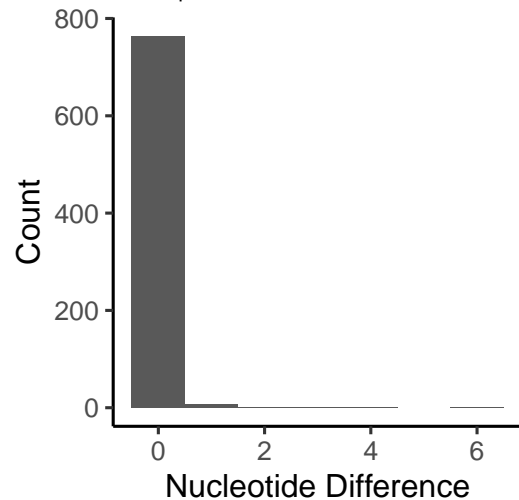
TRBV2*ap01

10881 sequences assigned
10744 (98.7%) exact matches, in which:
10554 unique CDR3
13 unique J



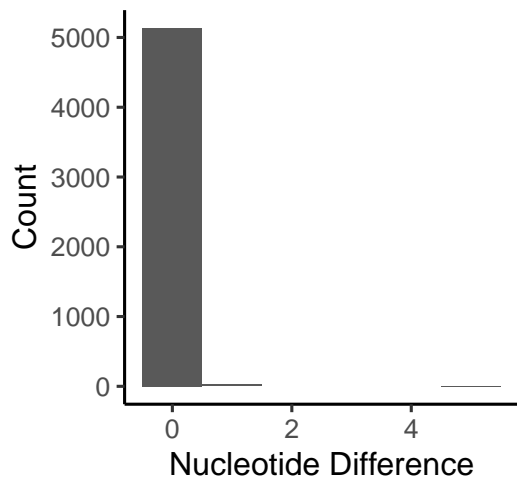
TRBV30*ap02

776 sequences assigned
764 (98.5%) exact matches, in which:
748 unique CDR3
13 unique J



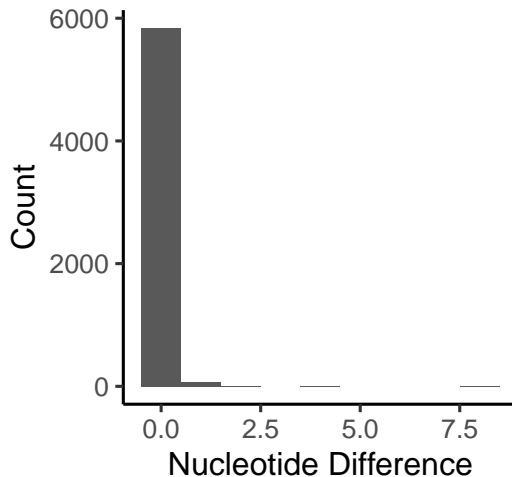
TRBV18*ap01

5164 sequences assigned
5135 (99.4%) exact matches, in which:
5114 unique CDR3
13 unique J



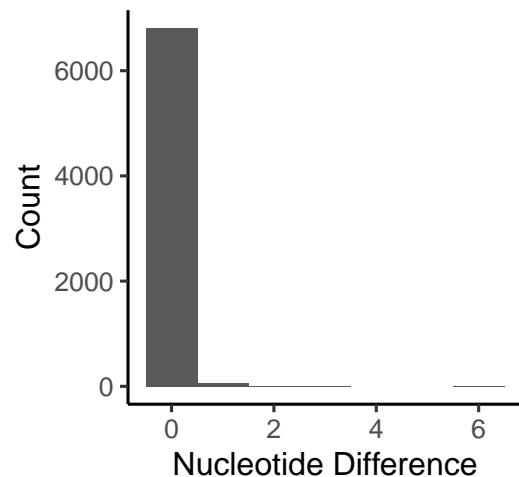
TRBV27*ap01

5917 sequences assigned
5840 (98.7%) exact matches, in which:
5748 unique CDR3
13 unique J



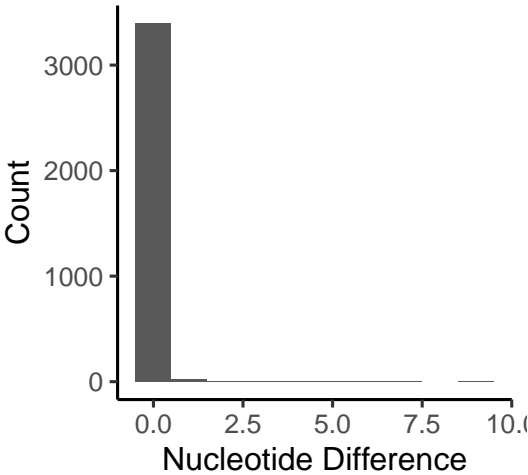
TRBV9*ap01

6885 sequences assigned
6811 (98.9%) exact matches, in which:
6724 unique CDR3
13 unique J



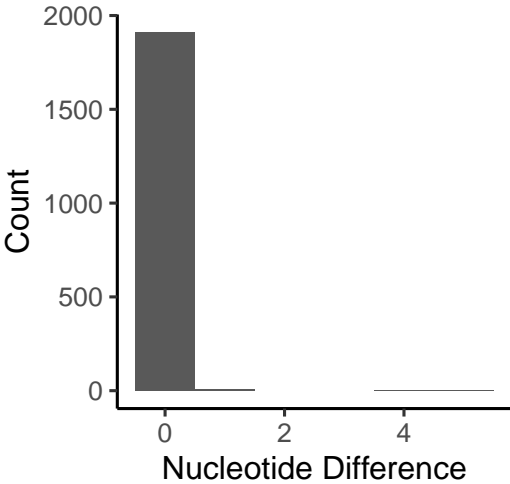
TRBV21-1*ap01

3446 sequences assigned
3395 (98.5%) exact matches, in which:
3361 unique CDR3
13 unique J



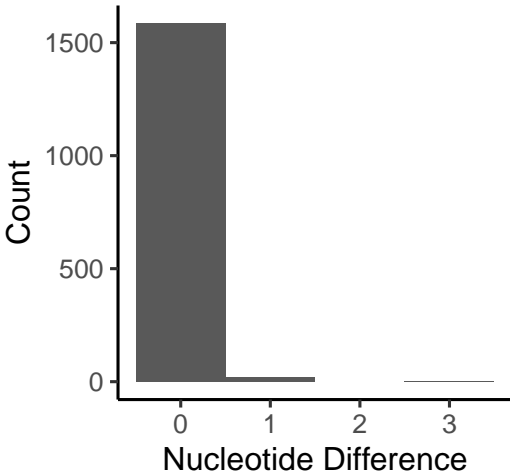
TRBV11-3*ap01

1919 sequences assigned
1910 (99.5%) exact matches, in which:
1893 unique CDR3
13 unique J



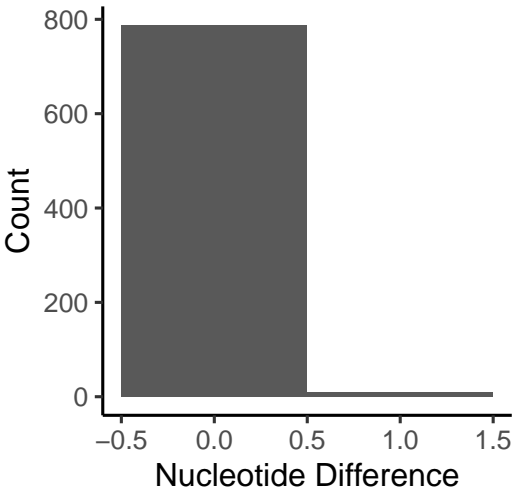
TRBV12-5*ap01

1605 sequences assigned
1585 (98.8%) exact matches, in which:
1562 unique CDR3
13 unique J



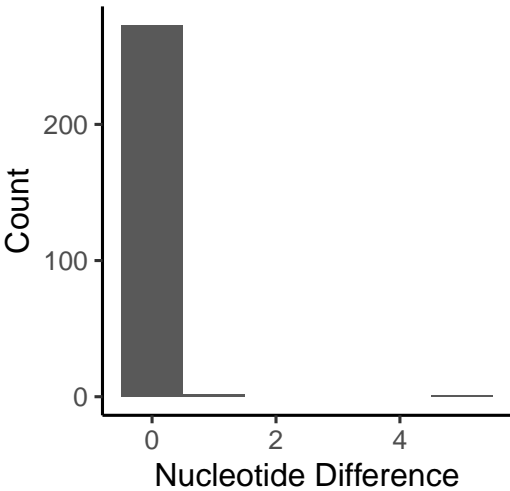
TRBV11-1*ap01

798 sequences assigned
788 (98.7%) exact matches, in which:
776 unique CDR3
13 unique J



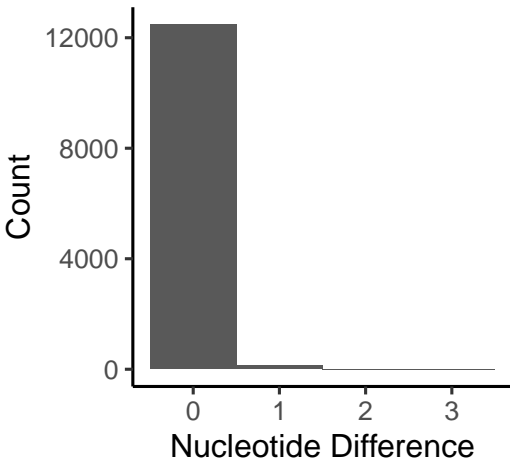
TRBV12-1*ap01

276 sequences assigned
273 (98.9%) exact matches, in which:
268 unique CDR3
13 unique J



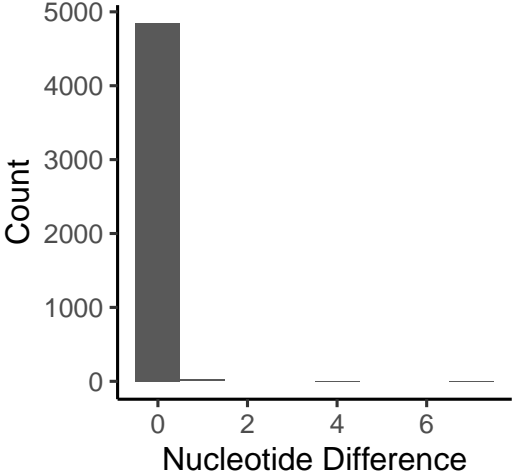
TRBV12-34*ap01

12621 sequences assigned
12480 (98.9%) exact matches, in which:
12310 unique CDR3
14 unique J



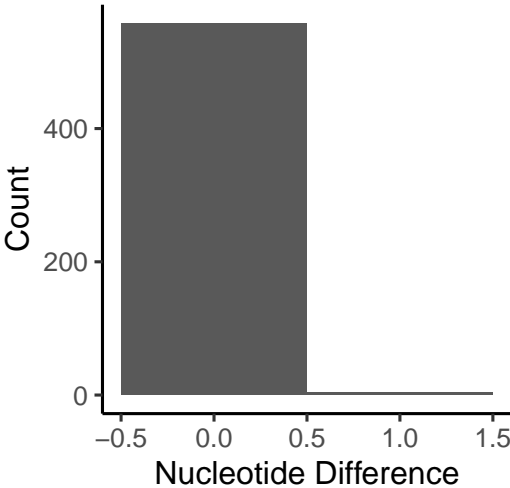
TRBV11-2*ap01

4875 sequences assigned
4848 (99.4%) exact matches, in which:
4806 unique CDR3
13 unique J



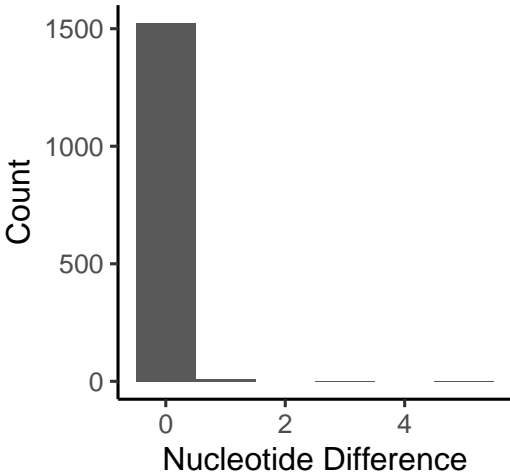
TRBV12-2*ap01

562 sequences assigned
558 (99.3%) exact matches, in which:
553 unique CDR3
13 unique J



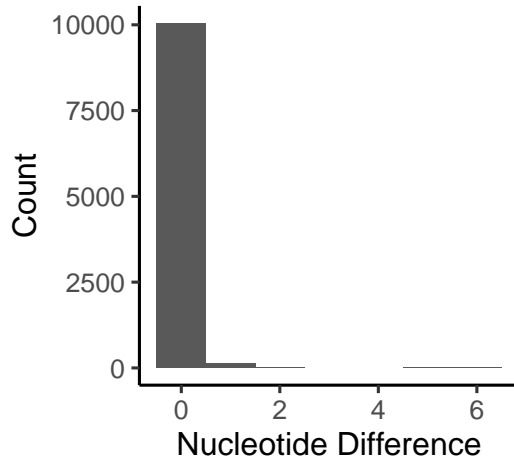
TRBV23-1*ap01

1535 sequences assigned
1524 (99.3%) exact matches, in which:
1503 unique CDR3
13 unique J



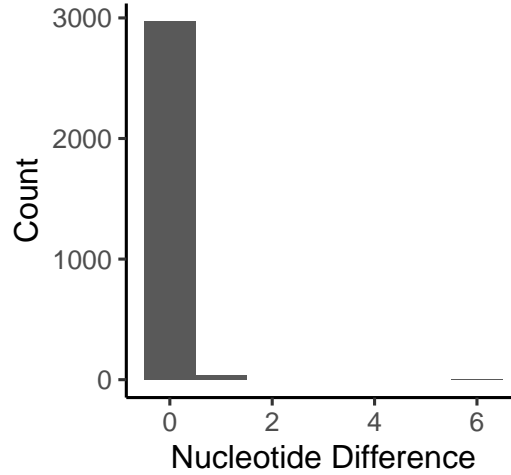
TRBV3-12*ap01

10175 sequences assigned
10048 (98.8%) exact matches, in which:
9887 unique CDR3
13 unique J



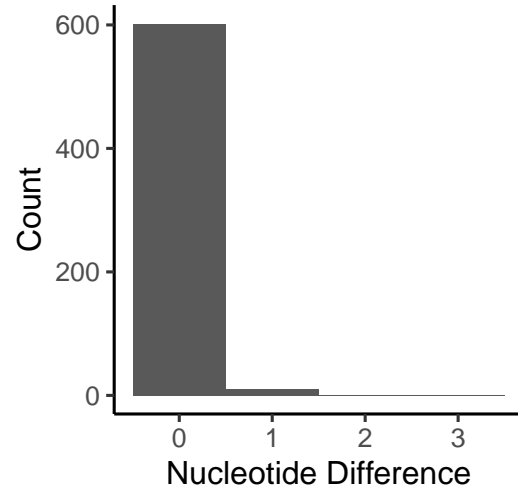
TRBV4-2*ap01

3013 sequences assigned
2971 (98.6%) exact matches, in which:
2924 unique CDR3
13 unique J



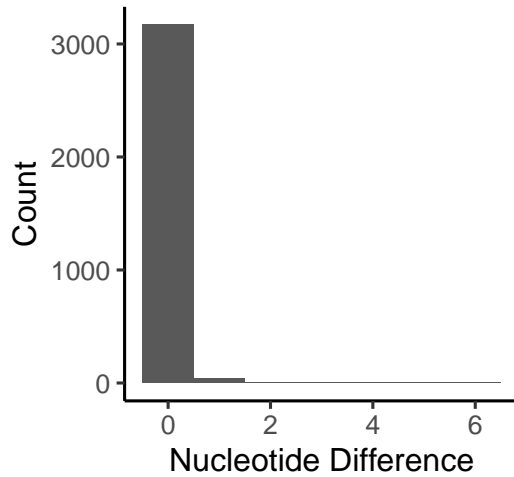
TRBV5-3*ap01

615 sequences assigned
602 (97.9%) exact matches, in which:
596 unique CDR3
13 unique J



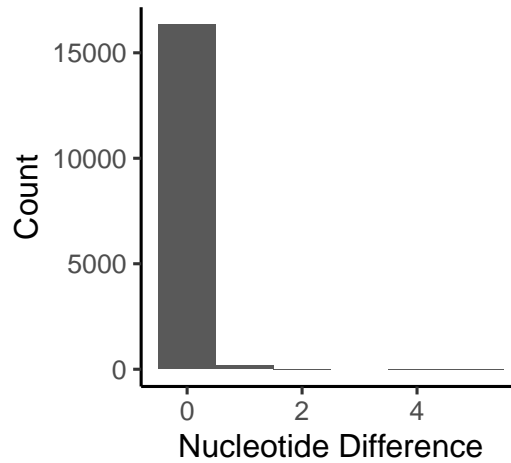
TRBV24-1*ap01

3217 sequences assigned
3170 (98.5%) exact matches, in which:
3116 unique CDR3
13 unique J



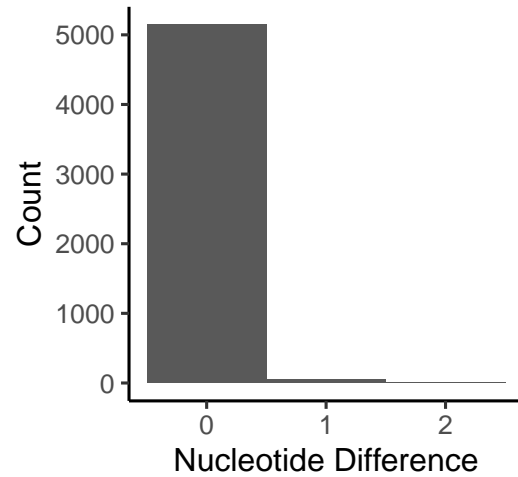
TRBV5-1*ap01

16533 sequences assigned
16342 (98.8%) exact matches, in which:
16007 unique CDR3
13 unique J



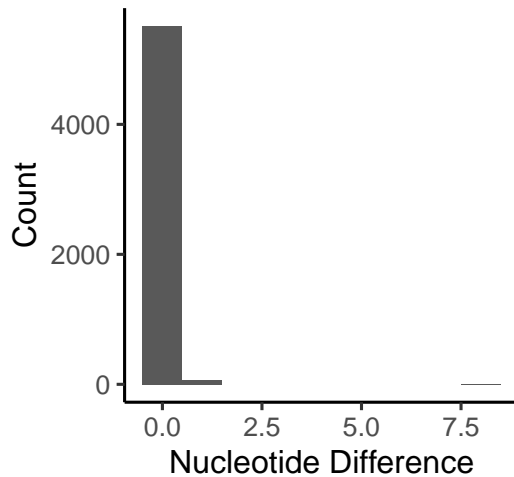
TRBV5-4*ap01

5197 sequences assigned
5145 (99%) exact matches, in which:
5065 unique CDR3
13 unique J



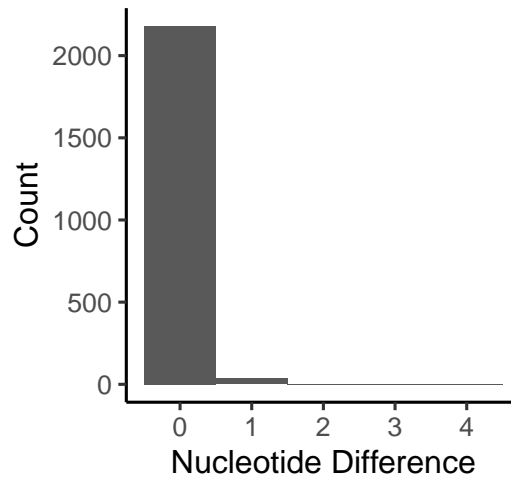
TRBV4-1*ap01

5578 sequences assigned
5513 (98.8%) exact matches, in which:
5406 unique CDR3
13 unique J



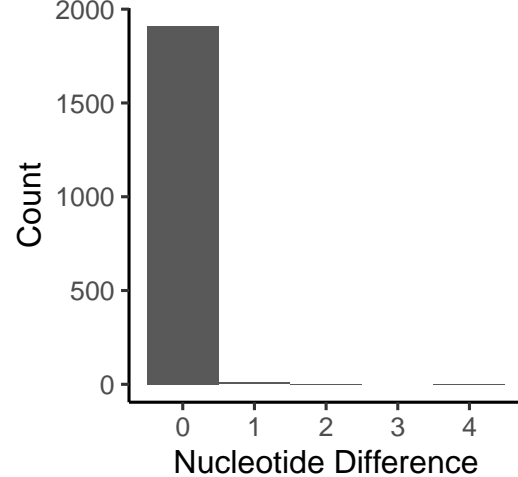
TRBV25-1*ap01

2222 sequences assigned
2180 (98.1%) exact matches, in which:
2134 unique CDR3
13 unique J



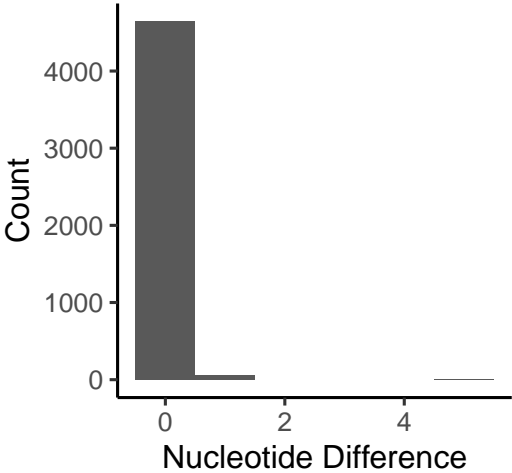
TRBV5-5*ap01

1921 sequences assigned
1910 (99.4%) exact matches, in which:
1902 unique CDR3
13 unique J



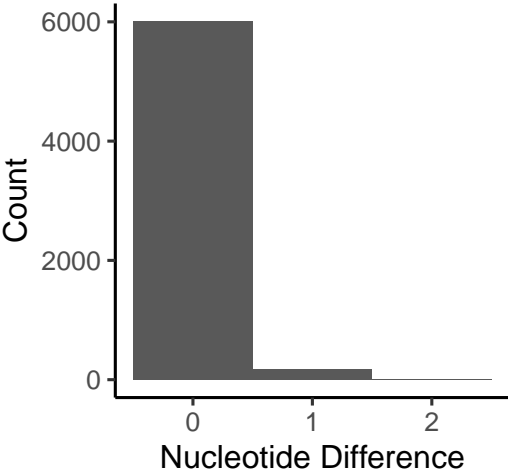
TRBV5-6*ap01

4701 sequences assigned
4643 (98.8%) exact matches, in which:
4505 unique CDR3
13 unique J



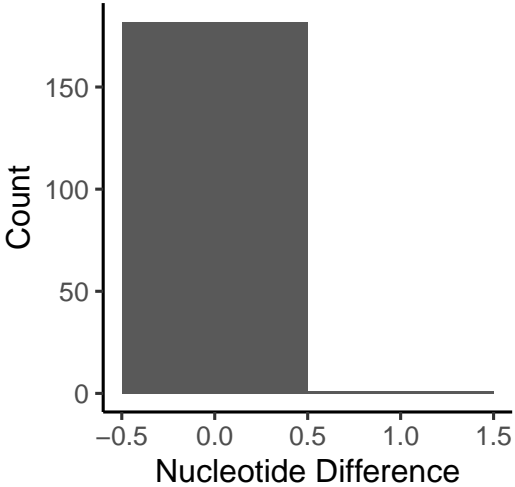
TRBV6-1*ap01

6179 sequences assigned
6007 (97.2%) exact matches, in which:
5858 unique CDR3
13 unique J



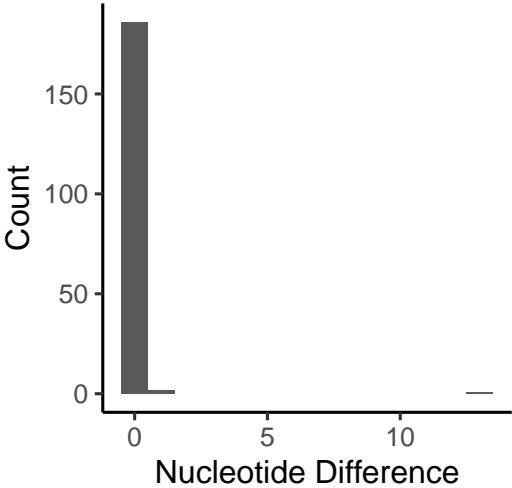
TRBV6-8*ap01

183 sequences assigned
182 (99.5%) exact matches, in which:
177 unique CDR3
13 unique J



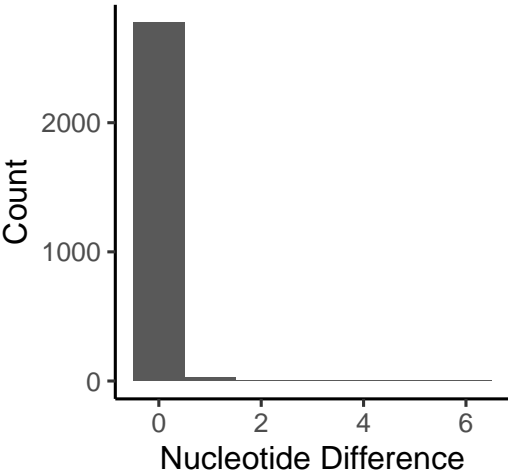
TRBV5-7*ap01

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



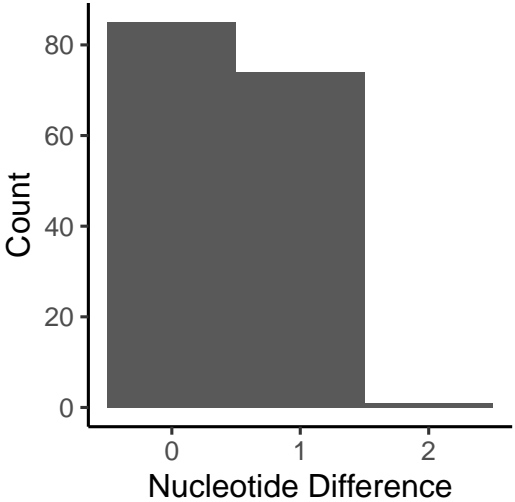
TRBV6-4*ap01

2811 sequences assigned
2774 (98.7%) exact matches, in which:
2745 unique CDR3
13 unique J



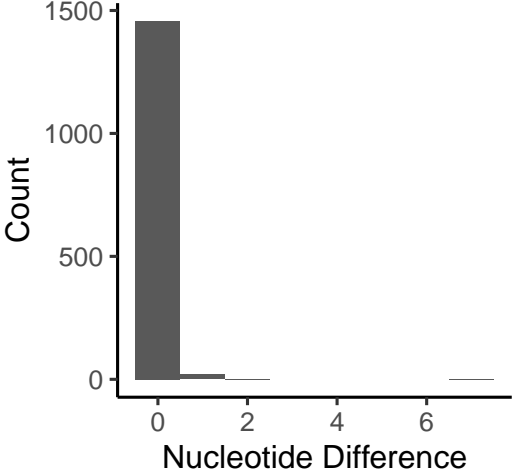
TRBV6-9*ap01

160 sequences assigned
85 (53.1%) exact matches, in which:
84 unique CDR3
13 unique J



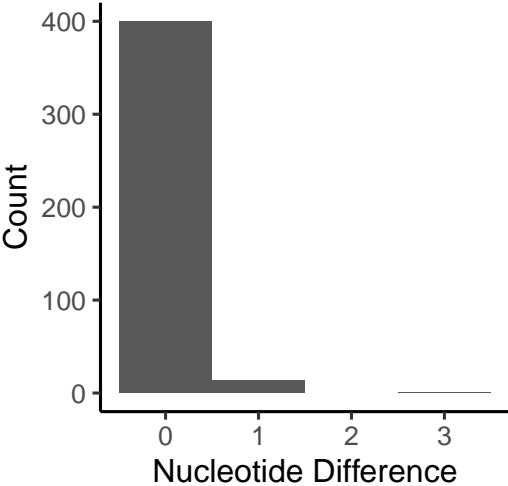
TRBV5-8*ap01

1478 sequences assigned
1457 (98.6%) exact matches, in which:
1449 unique CDR3
13 unique J



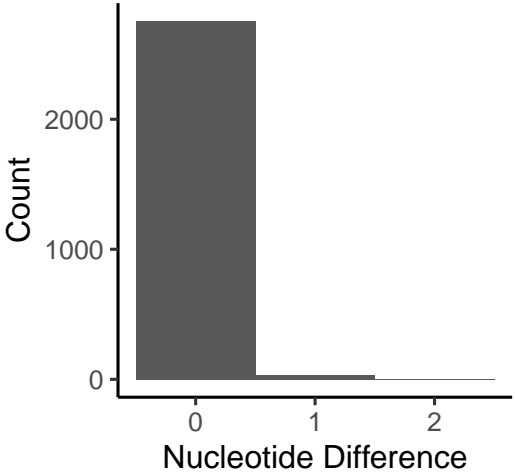
TRBV6-7*ap01

414 sequences assigned
400 (96.6%) exact matches, in which:
387 unique CDR3
13 unique J



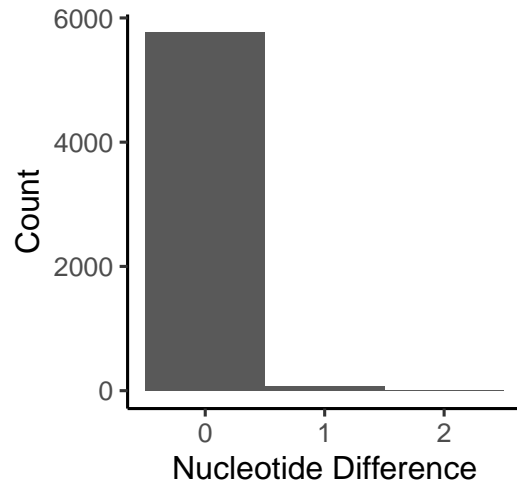
TRBV6-23*ap01

2790 sequences assigned
2755 (98.7%) exact matches, in which:
2684 unique CDR3
13 unique J



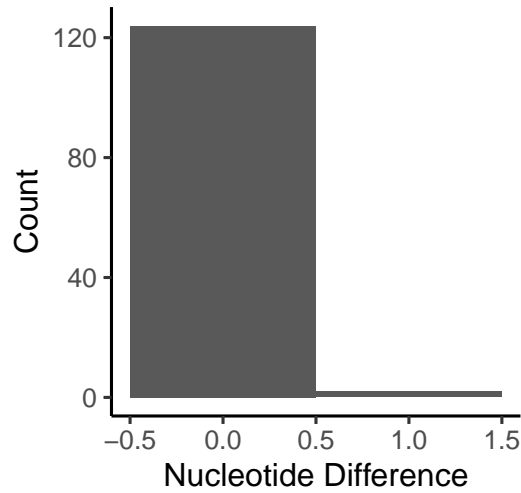
TRBV6-56*ap01

5845 sequences assigned
5767 (98.7%) exact matches, in which:
5633 unique CDR3
13 unique J



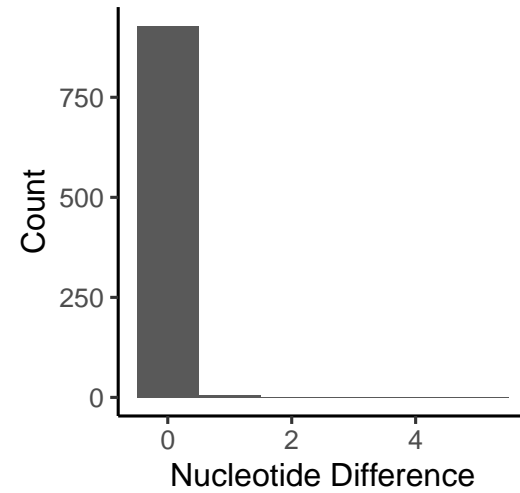
TRBV7-1*ap01_G291C_

126 sequences assigned
124 (98.4%) exact matches, in which:
123 unique CDR3
12 unique J



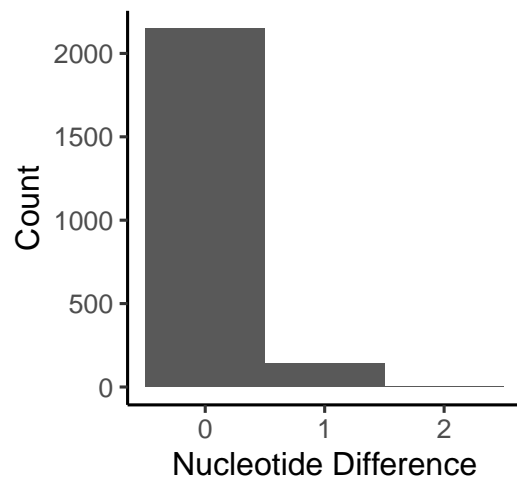
TRBV7-3*ap03

941 sequences assigned
929 (98.7%) exact matches, in which:
918 unique CDR3
13 unique J



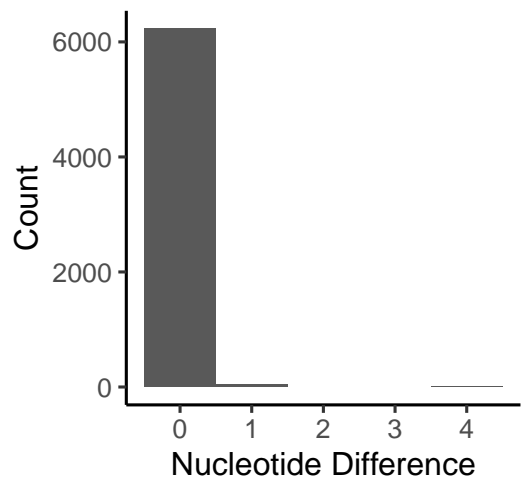
TRBV6-56*ap02

2291 sequences assigned
2148 (93.8%) exact matches, in which:
2102 unique CDR3
13 unique J



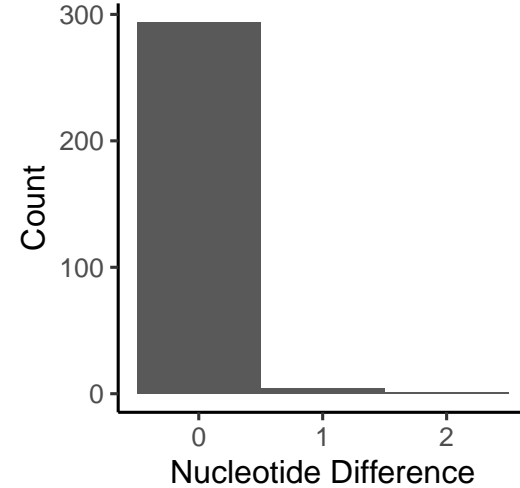
TRBV7-2*ap01

6275 sequences assigned
6229 (99.3%) exact matches, in which:
6161 unique CDR3
13 unique J



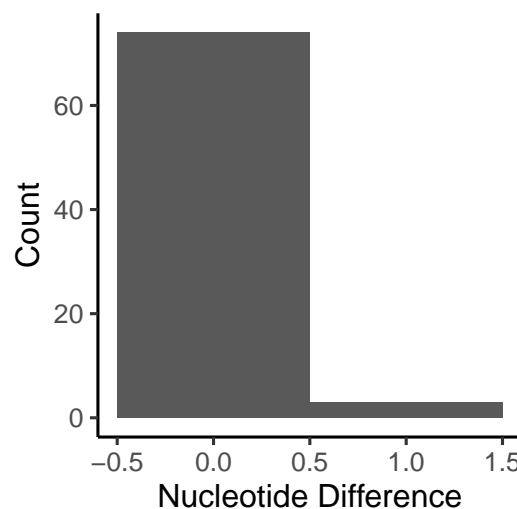
TRBV7-4*ap01

299 sequences assigned
294 (98.3%) exact matches, in which:
288 unique CDR3
13 unique J



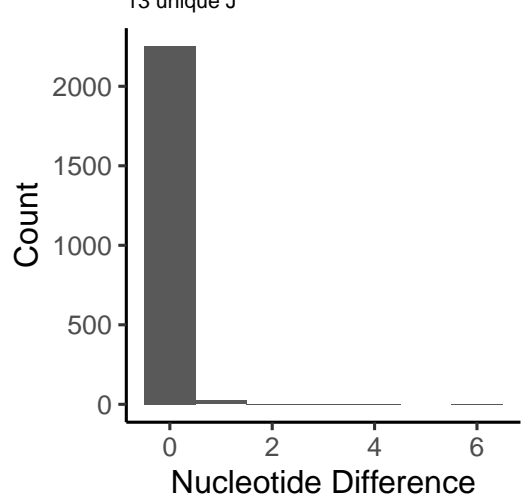
TRBV7-1*ap01_G291C_T

77 sequences assigned
74 (96.1%) exact matches, in which:
73 unique CDR3
13 unique J



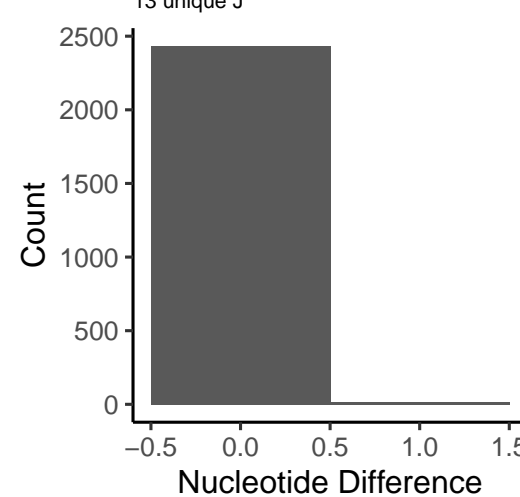
TRBV7-3*ap01

2282 sequences assigned
2253 (98.7%) exact matches, in which:
2235 unique CDR3
13 unique J



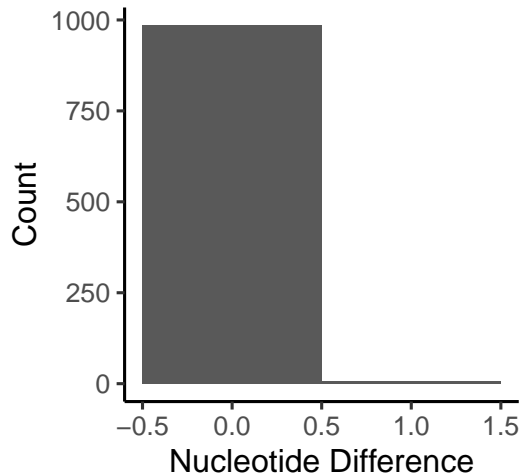
TRBV7-6*ap01

2450 sequences assigned
2433 (99.3%) exact matches, in which:
2393 unique CDR3
13 unique J



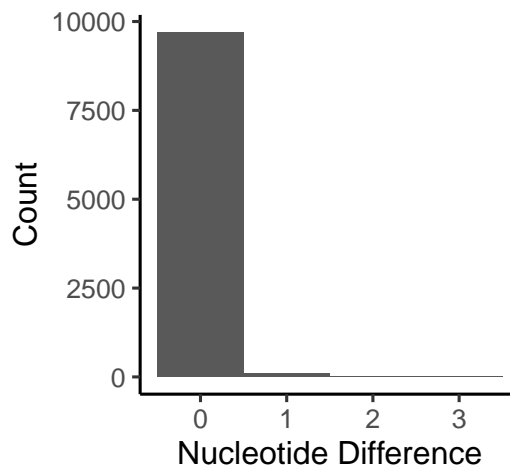
TRBV7-7*ap01

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



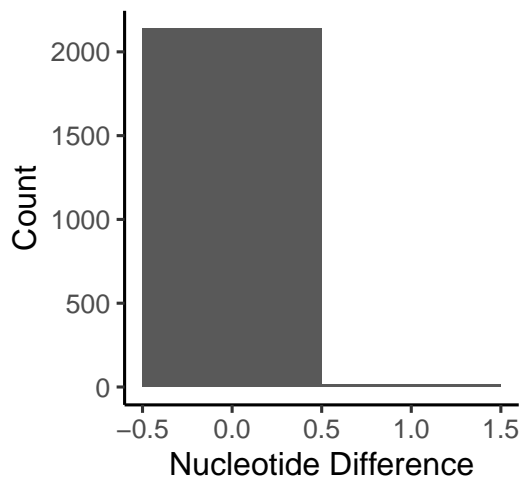
TRBV7-9*ap01

9792 sequences assigned
9701 (99.1%) exact matches, in which:
9604 unique CDR3
13 unique J



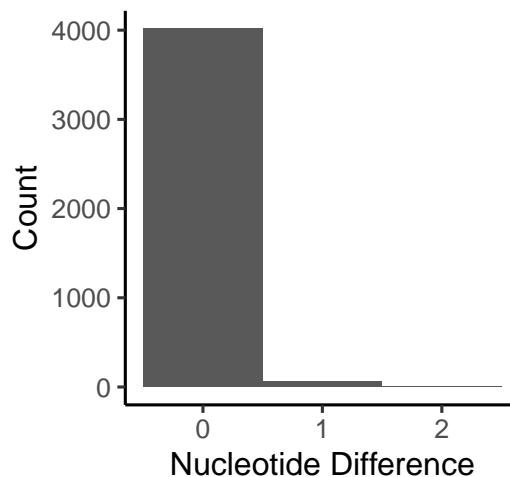
TRBV7-8*ap01

2155 sequences assigned
2138 (99.2%) exact matches, in which:
2096 unique CDR3
13 unique J



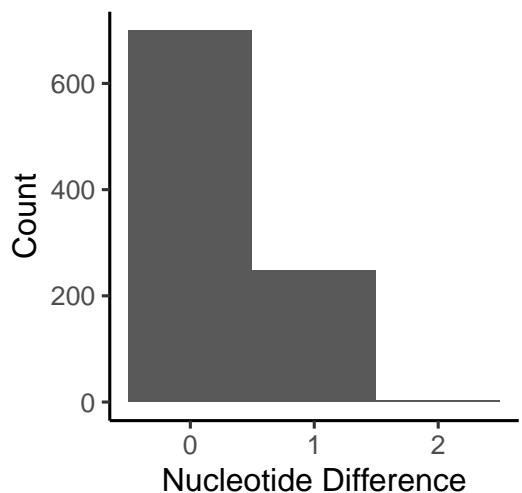
TRBV29-1*ap01

4077 sequences assigned
4016 (98.5%) exact matches, in which:
3917 unique CDR3
13 unique J



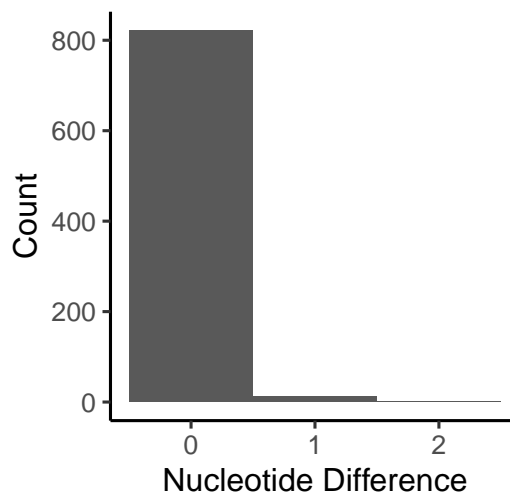
TRBV7-8*ap03

950 sequences assigned
700 (73.7%) exact matches, in which:
695 unique CDR3
13 unique J

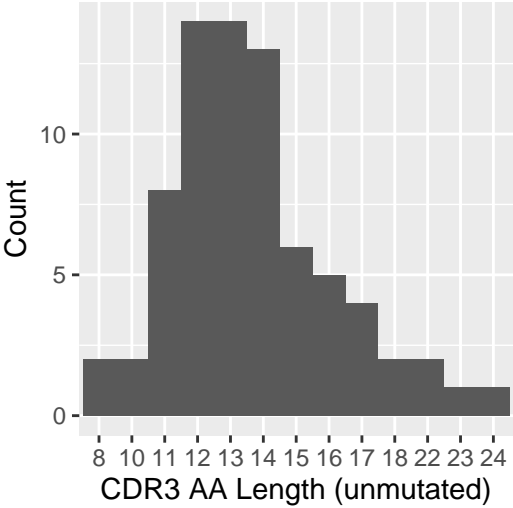


TRBV29-1*ap02

835 sequences assigned
822 (98.4%) exact matches, in which:
802 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T

