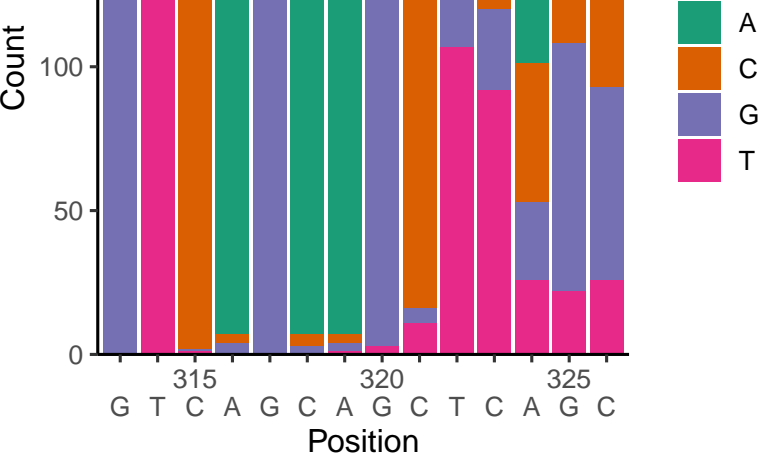
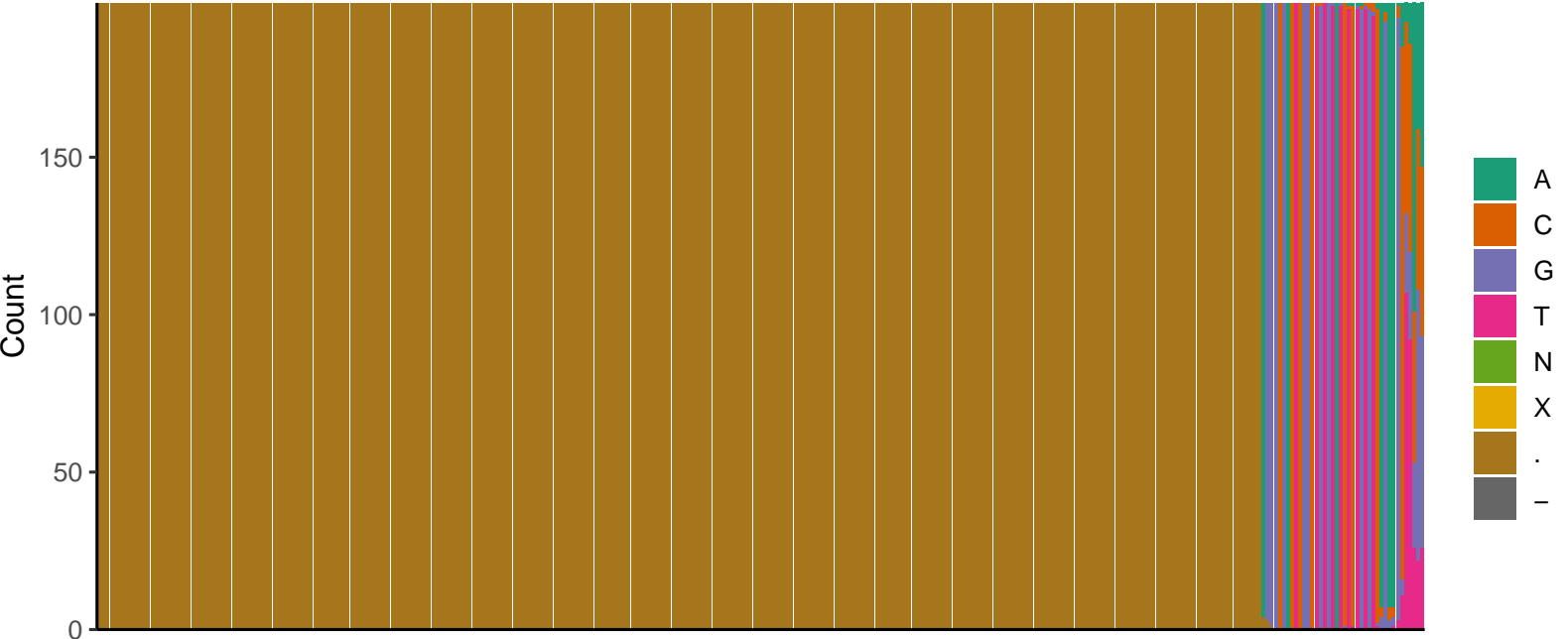


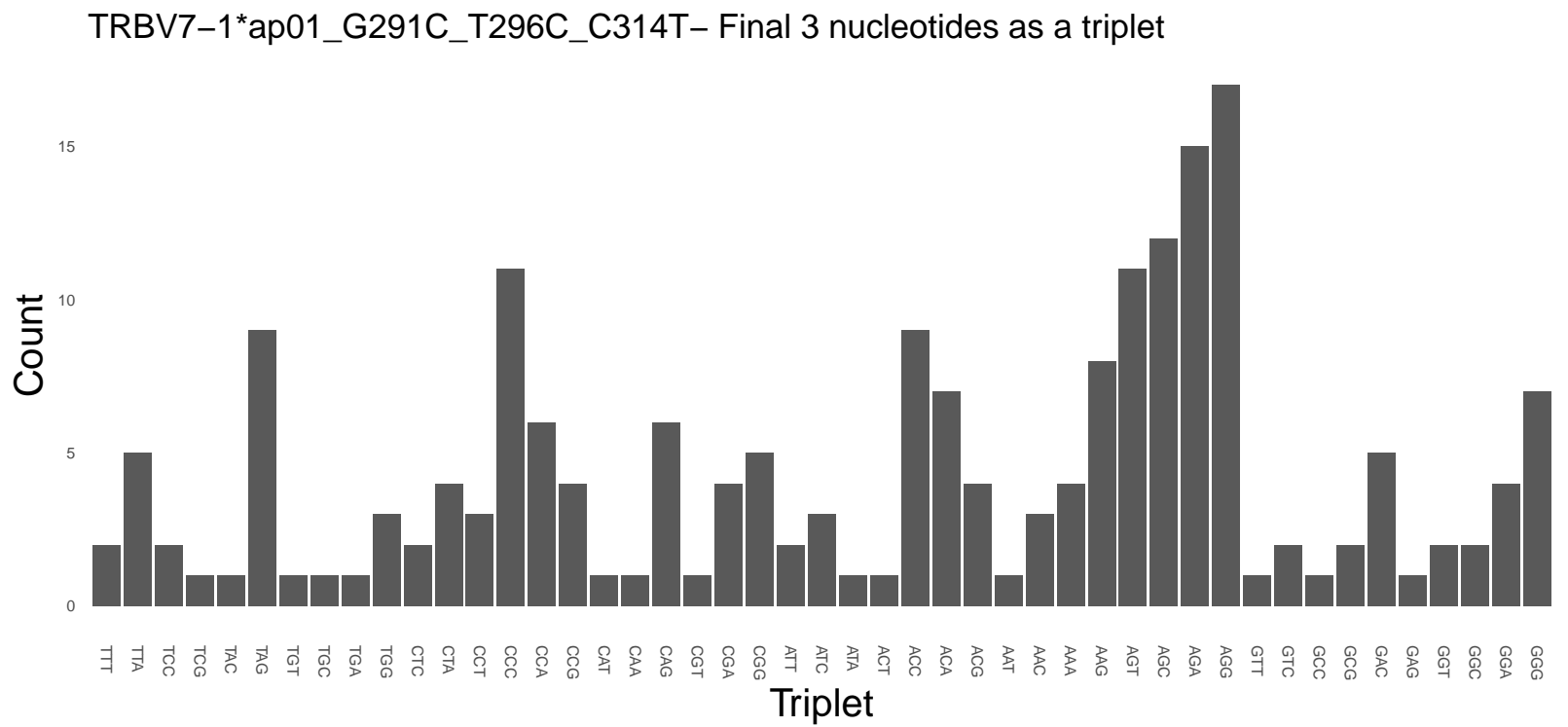
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

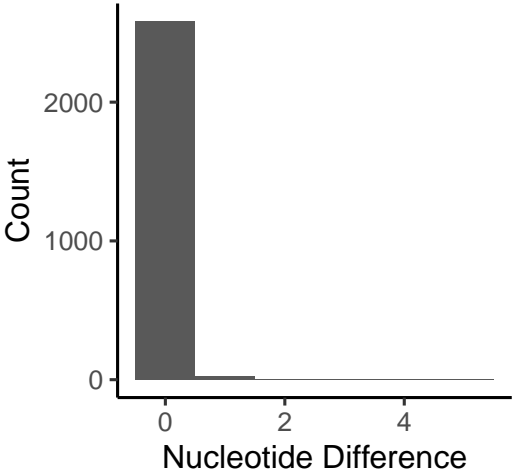


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



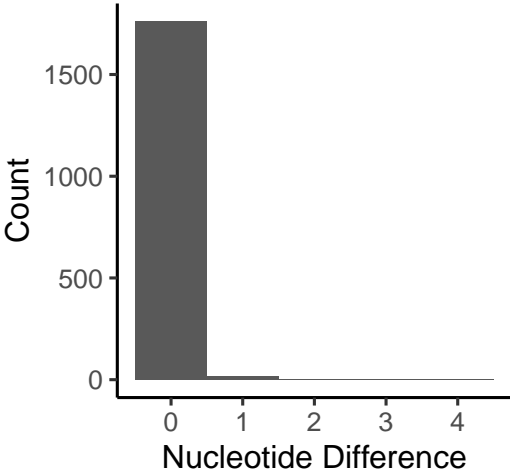
TRBV10-1*ap01

2611 sequences assigned
2582 (98.9%) exact matches, in which:
2507 unique CDR3
13 unique J



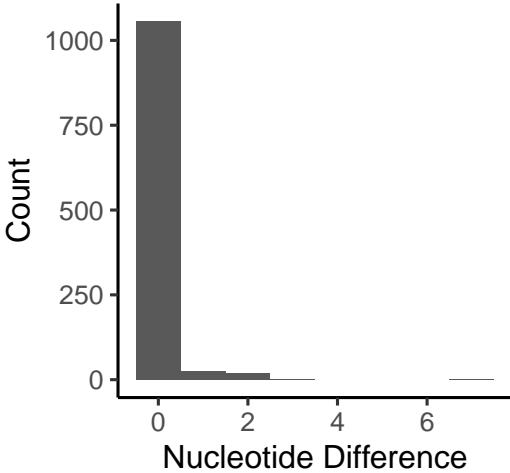
TRBV10-2*ap01

1780 sequences assigned
1761 (98.9%) exact matches, in which:
1700 unique CDR3
13 unique J



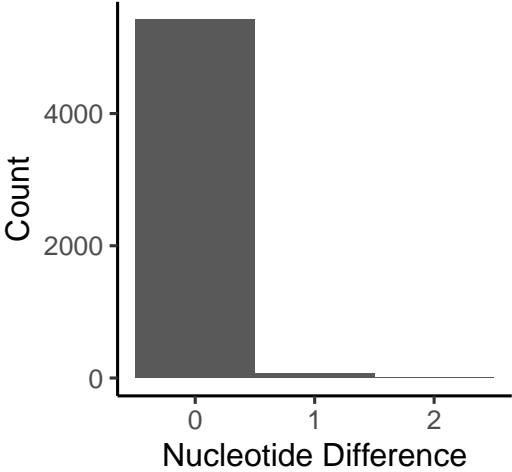
TRBV13*ap01

1105 sequences assigned
1056 (95.6%) exact matches, in which:
1007 unique CDR3
13 unique J



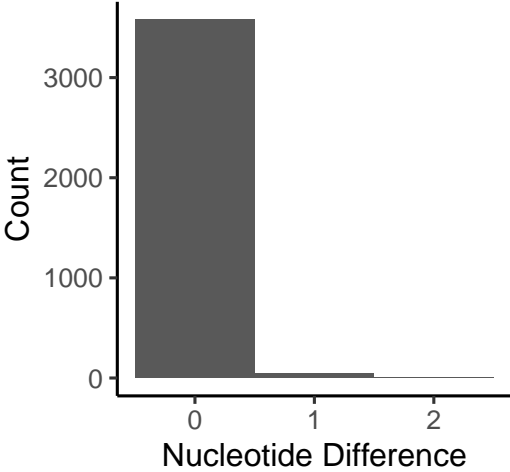
TRBV20-1*ap01

5496 sequences assigned
5419 (98.6%) exact matches, in which:
5288 unique CDR3
13 unique J



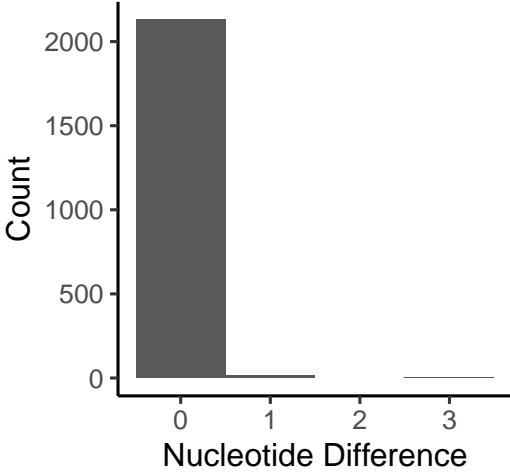
TRBV10-3*ap01

3629 sequences assigned
3578 (98.6%) exact matches, in which:
3476 unique CDR3
13 unique J



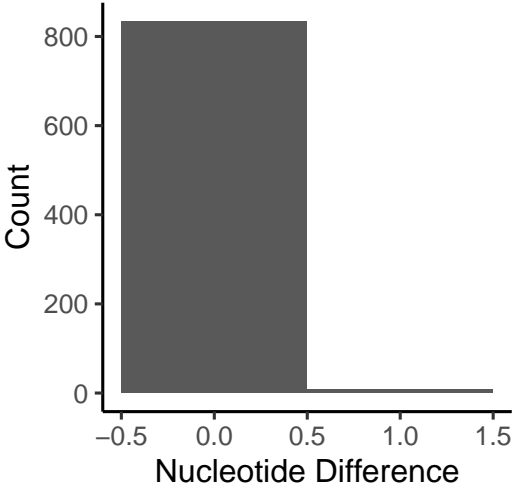
TRBV14*ap01

2147 sequences assigned
2130 (99.2%) exact matches, in which:
2074 unique CDR3
13 unique J



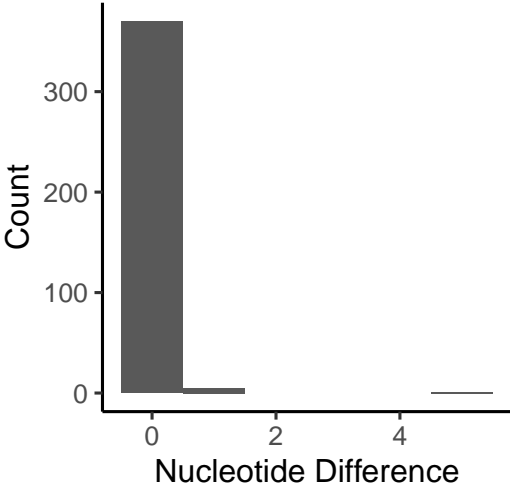
TRBV20-1*ap02

841 sequences assigned
834 (99.2%) exact matches, in which:
820 unique CDR3
13 unique J



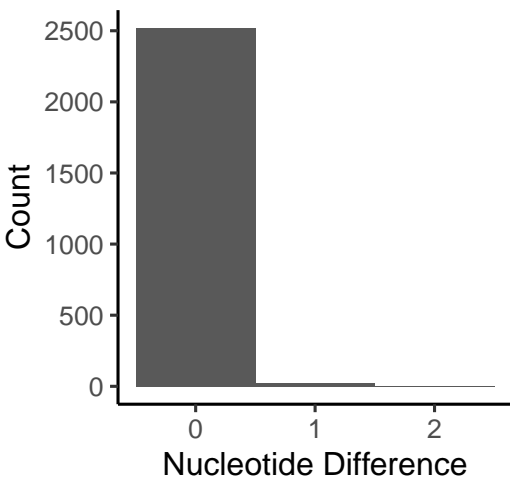
TRBV1*ap01

376 sequences assigned
370 (98.4%) exact matches, in which:
365 unique CDR3
13 unique J



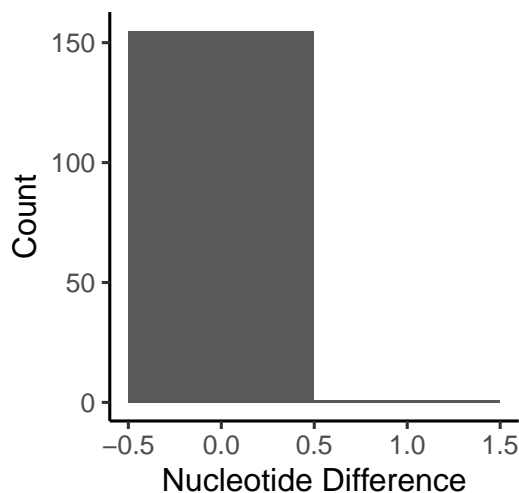
TRBV15*ap02

2542 sequences assigned
2519 (99.1%) exact matches, in which:
2451 unique CDR3
13 unique J



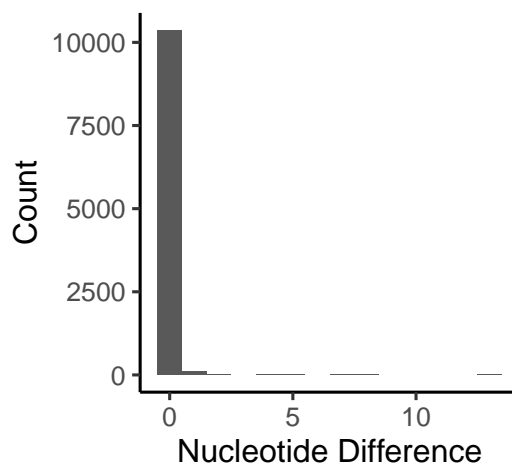
TRBV16*ap01

156 sequences assigned
155 (99.4%) exact matches, in which:
153 unique CDR3
12 unique J



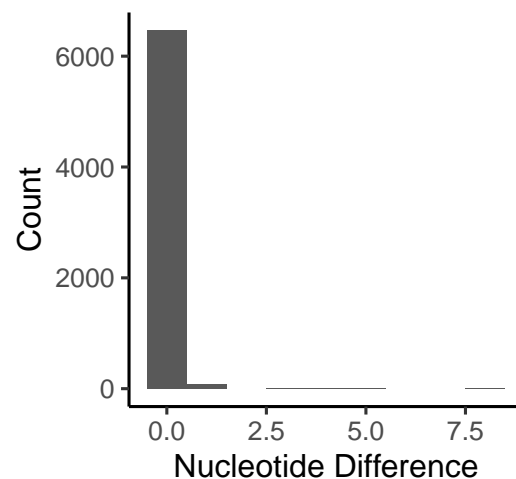
TRBV19*ap01

10490 sequences assigned
10368 (98.8%) exact matches, in which:
10169 unique CDR3
13 unique J



TRBV27*ap01

6552 sequences assigned
6465 (98.7%) exact matches, in which:
6283 unique CDR3
13 unique J



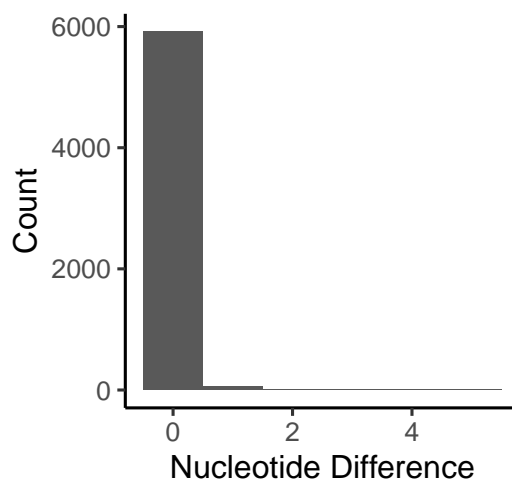
TRBV17*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



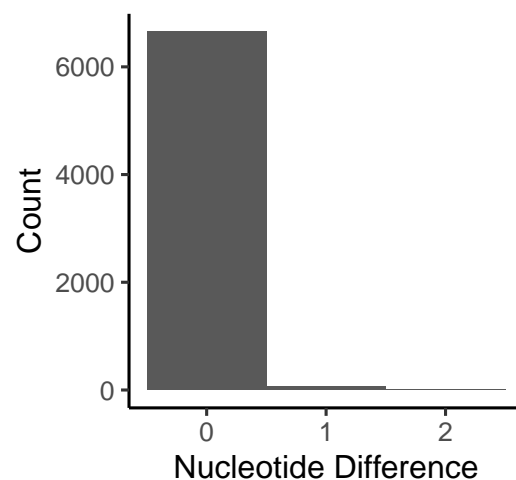
TRBV2*ap01

5988 sequences assigned
5915 (98.8%) exact matches, in which:
5759 unique CDR3
14 unique J



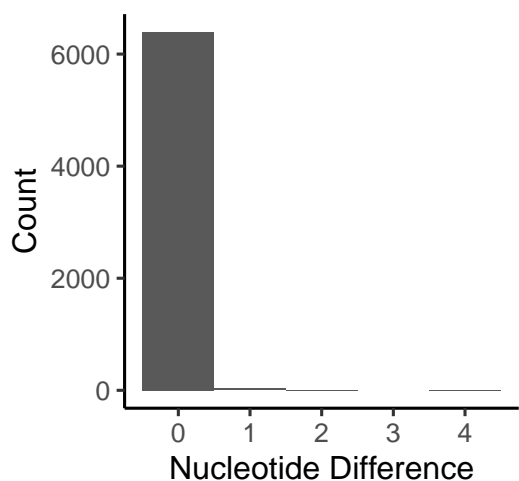
TRBV28*ap01

6726 sequences assigned
6652 (98.9%) exact matches, in which:
6492 unique CDR3
13 unique J



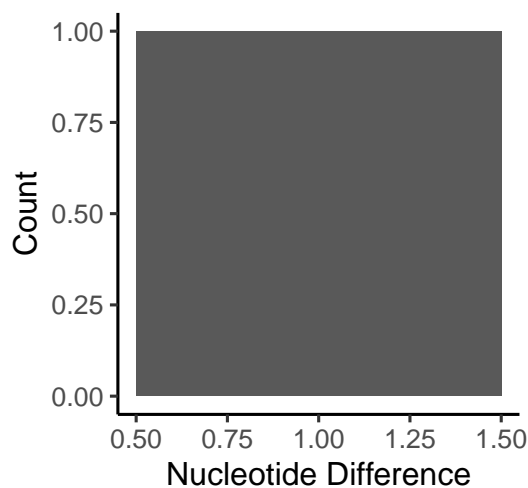
TRBV18*ap01

6430 sequences assigned
6393 (99.4%) exact matches, in which:
6227 unique CDR3
13 unique J



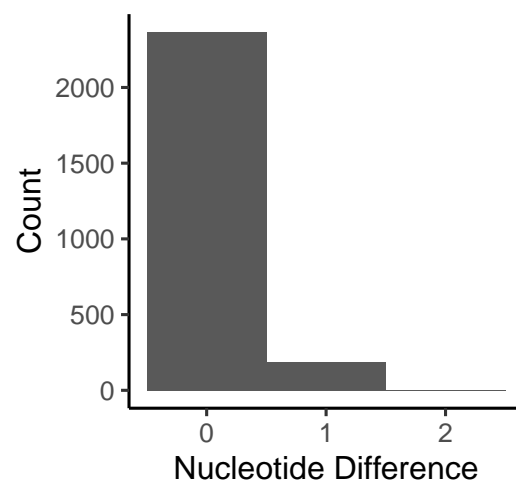
TRBV26*ap01

1 sequences assigned
No exact matches.



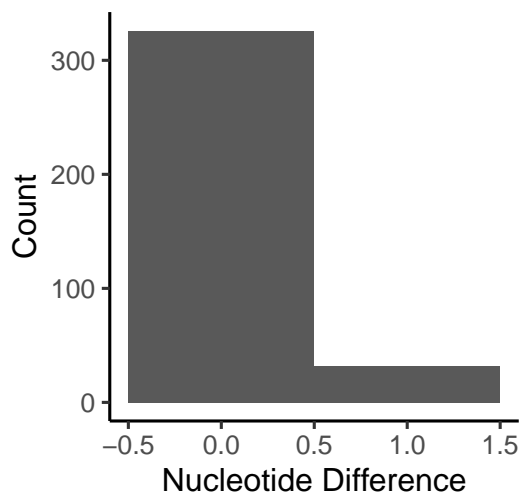
TRBV30*ap01

2555 sequences assigned
2366 (92.6%) exact matches, in which:
2334 unique CDR3
13 unique J



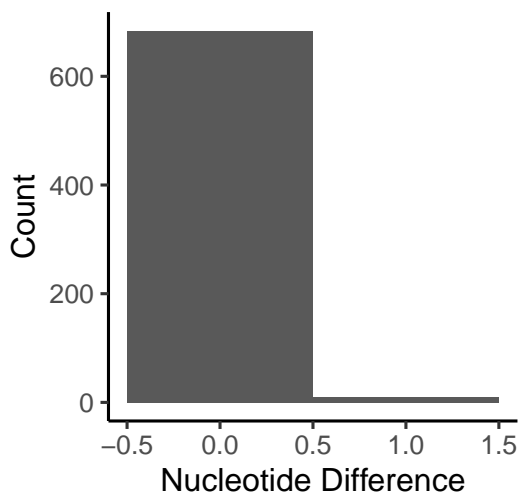
TRBV30*ap03

358 sequences assigned
326 (91.1%) exact matches, in which:
314 unique CDR3
13 unique J



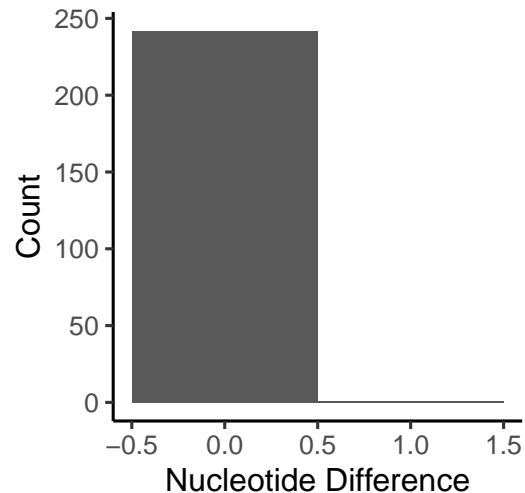
TRBV11-1*ap01

694 sequences assigned
684 (98.6%) exact matches, in which:
669 unique CDR3
13 unique J



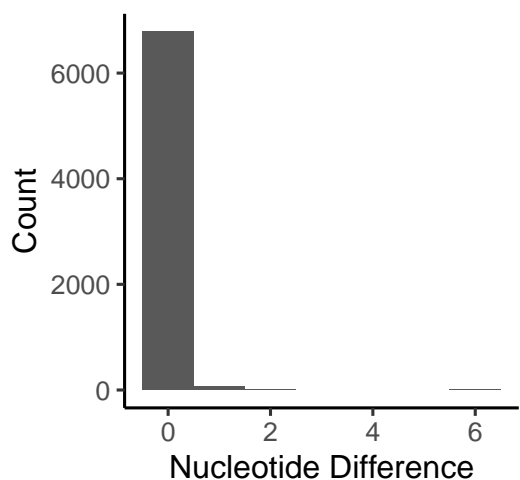
TRBV12-1*ap01

243 sequences assigned
242 (99.6%) exact matches, in which:
237 unique CDR3
13 unique J



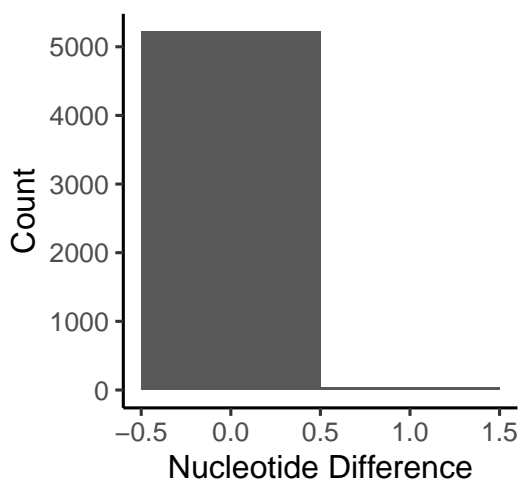
TRBV9*ap01

6852 sequences assigned
6783 (99%) exact matches, in which:
6631 unique CDR3
13 unique J



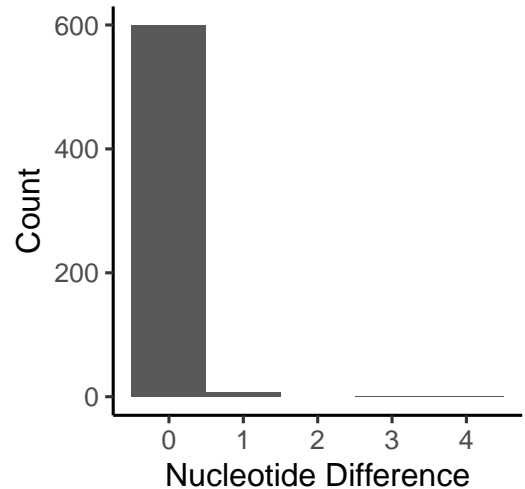
TRBV11-2*ap01

5254 sequences assigned
5219 (99.3%) exact matches, in which:
5109 unique CDR3
13 unique J



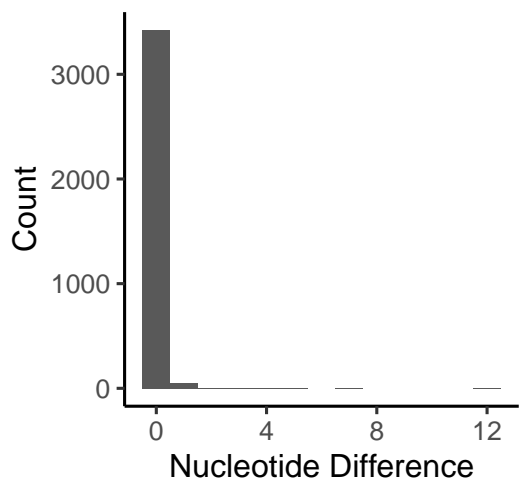
TRBV12-2*ap01

609 sequences assigned
600 (98.5%) exact matches, in which:
588 unique CDR3
13 unique J



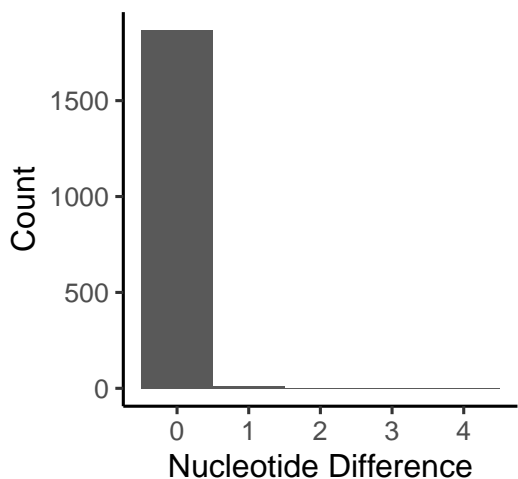
TRBV21-1*ap01

3486 sequences assigned
3423 (98.2%) exact matches, in which:
3334 unique CDR3
13 unique J



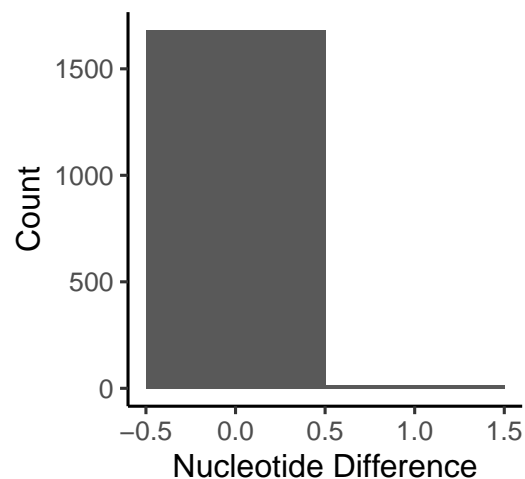
TRBV11-3*ap01

1884 sequences assigned
1868 (99.2%) exact matches, in which:
1831 unique CDR3
14 unique J



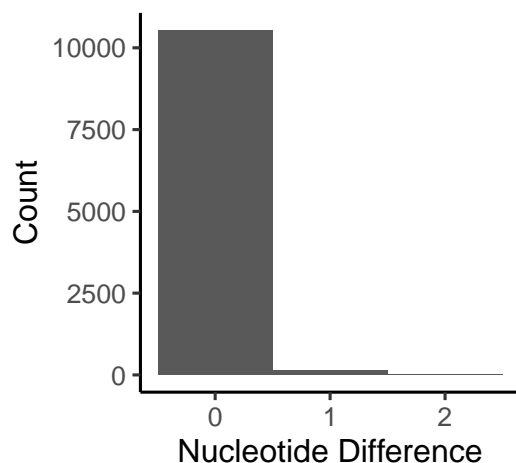
TRBV12-5*ap01

1697 sequences assigned
1682 (99.1%) exact matches, in which:
1636 unique CDR3
13 unique J



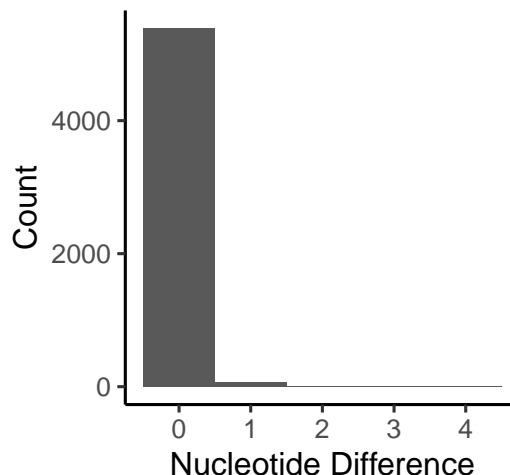
TRBV12–34*ap01

10681 sequences assigned
10540 (98.7%) exact matches, in which:
10314 unique CDR3
13 unique J



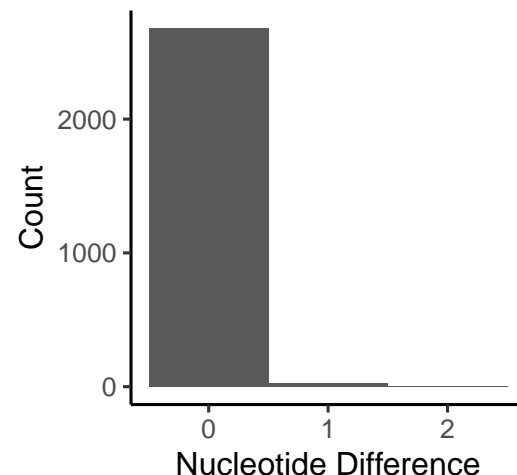
TRBV24–1*ap01

5465 sequences assigned
5387 (98.6%) exact matches, in which:
5268 unique CDR3
13 unique J



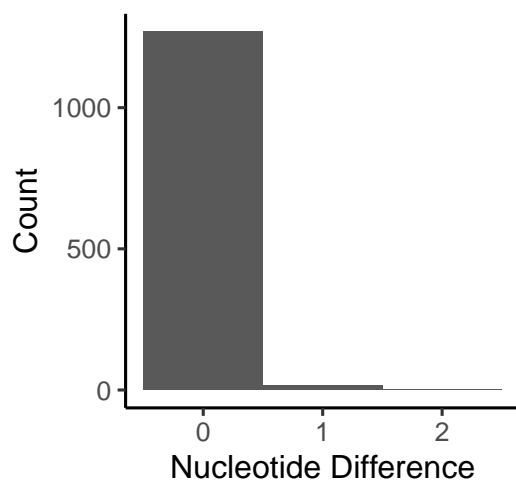
TRBV4–3*ap01

2709 sequences assigned
2678 (98.9%) exact matches, in which:
2612 unique CDR3
13 unique J



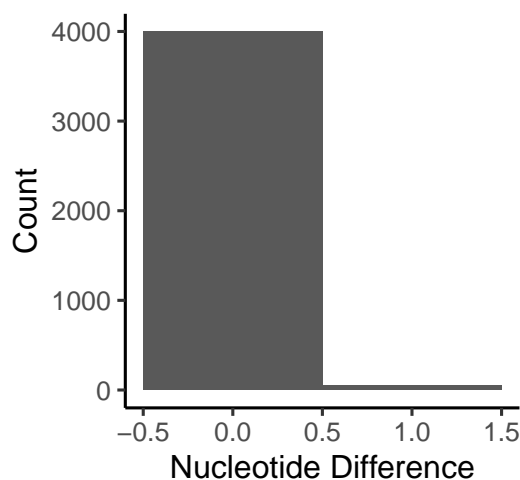
TRBV23–1*ap01

1285 sequences assigned
1269 (98.8%) exact matches, in which:
1231 unique CDR3
13 unique J



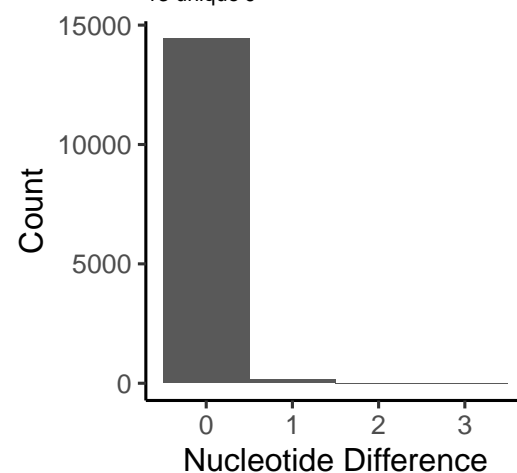
TRBV4–1*ap01

4047 sequences assigned
3997 (98.8%) exact matches, in which:
3876 unique CDR3
13 unique J



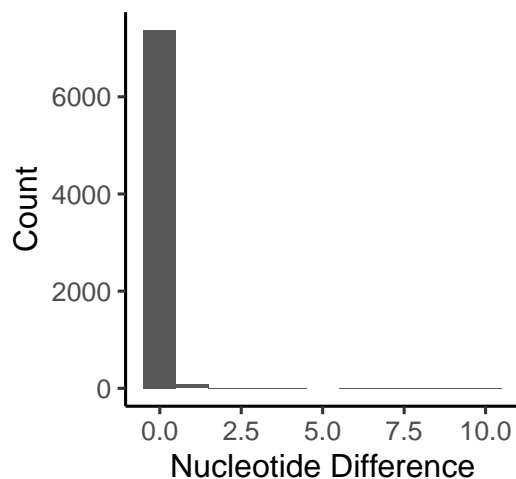
TRBV5–1*ap01

14599 sequences assigned
14441 (98.9%) exact matches, in which:
14014 unique CDR3
13 unique J



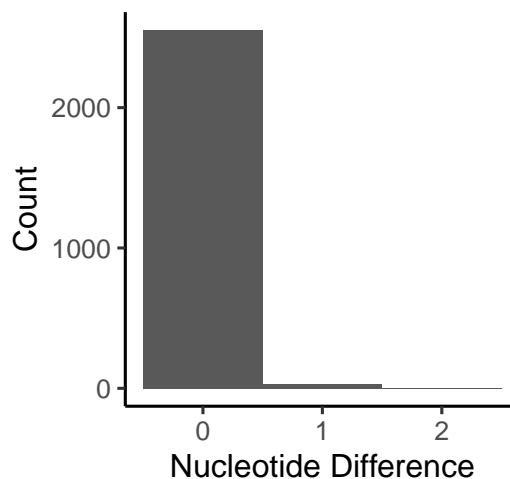
TRBV3–12*ap01

7468 sequences assigned
7374 (98.7%) exact matches, in which:
7215 unique CDR3
13 unique J



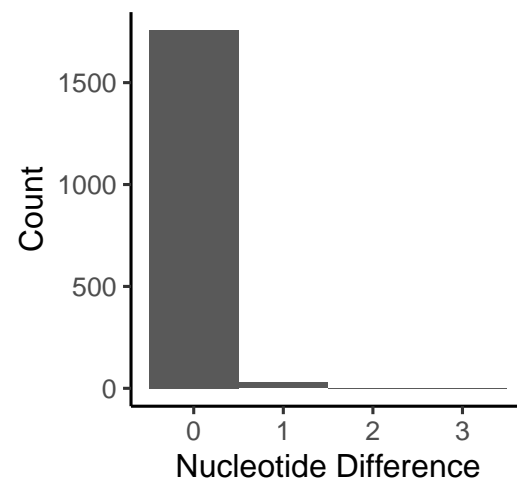
TRBV4–2*ap01

2586 sequences assigned
2553 (98.7%) exact matches, in which:
2487 unique CDR3
13 unique J



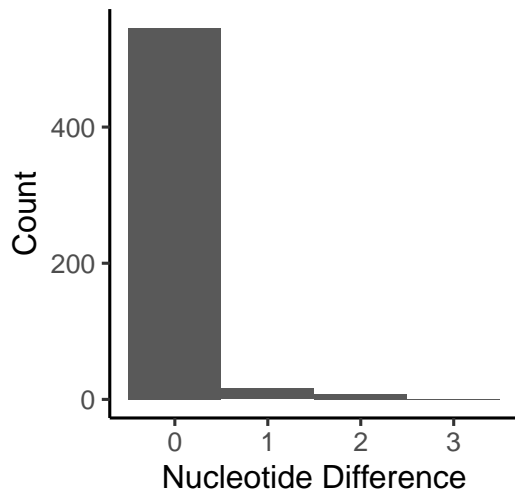
TRBV25–1*ap01

1789 sequences assigned
1758 (98.3%) exact matches, in which:
1725 unique CDR3
13 unique J



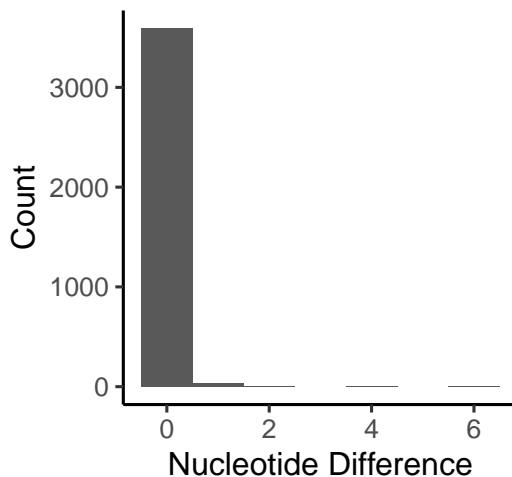
TRBV5-3*ap01

571 sequences assigned
546 (95.6%) exact matches, in which:
531 unique CDR3
13 unique J



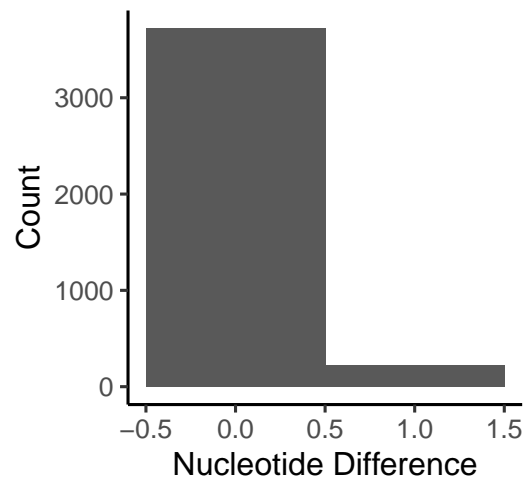
TRBV5-6*ap01

3629 sequences assigned
3591 (99%) exact matches, in which:
3492 unique CDR3
13 unique J



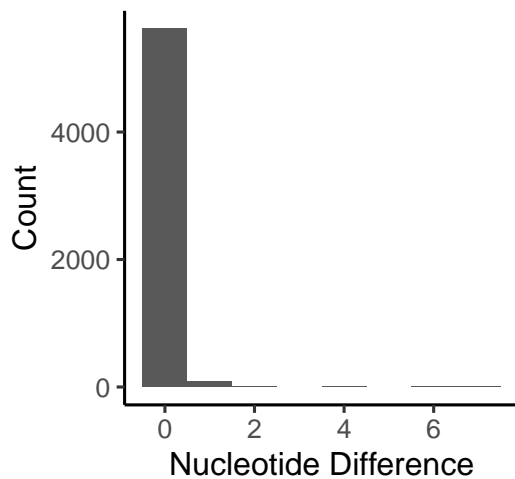
TRBV6-1*ap01

3939 sequences assigned
3720 (94.4%) exact matches, in which:
3602 unique CDR3
13 unique J



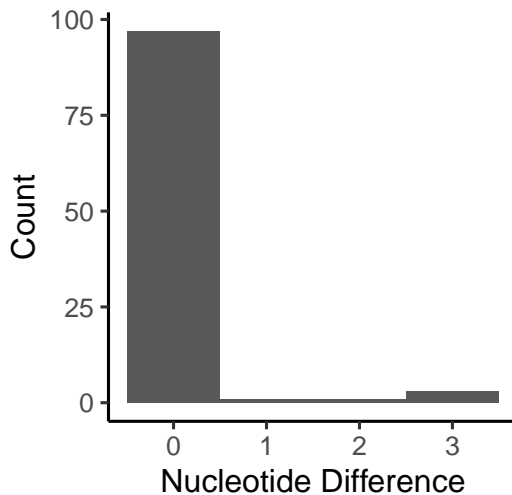
TRBV5-4*ap01

5708 sequences assigned
5621 (98.5%) exact matches, in which:
5476 unique CDR3
13 unique J



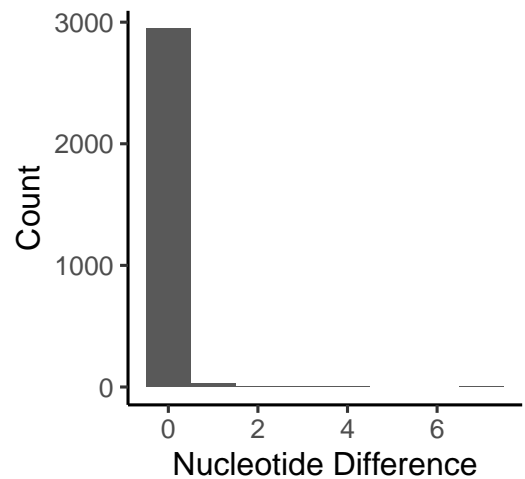
TRBV5-7*ap01

102 sequences assigned
97 (95.1%) exact matches, in which:
96 unique CDR3
13 unique J



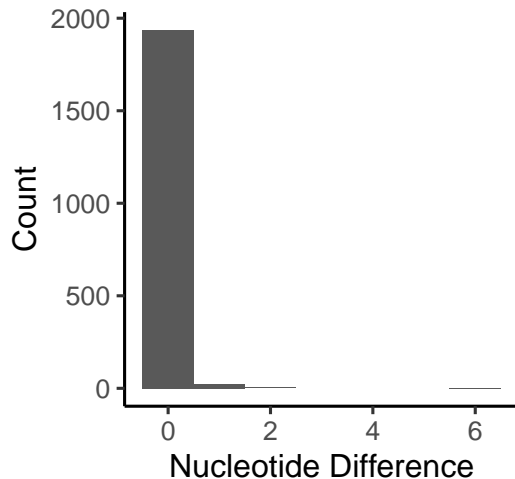
TRBV6-4*ap01

2983 sequences assigned
2946 (98.8%) exact matches, in which:
2905 unique CDR3
13 unique J



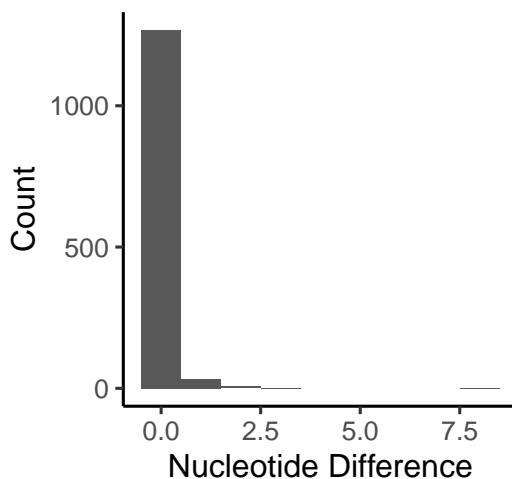
TRBV5-5*ap01

1966 sequences assigned
1936 (98.5%) exact matches, in which:
1908 unique CDR3
13 unique J



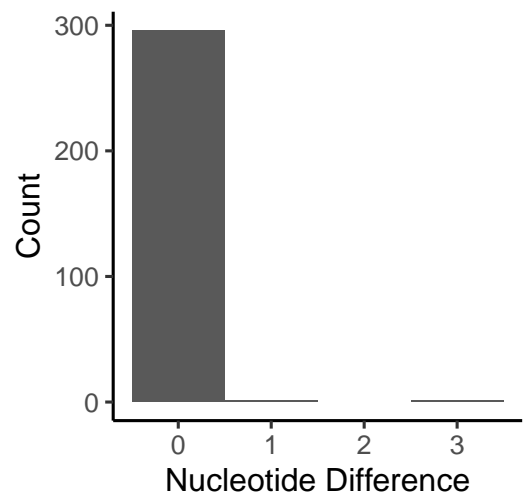
TRBV5-8*ap01

1310 sequences assigned
1268 (96.8%) exact matches, in which:
1242 unique CDR3
13 unique J



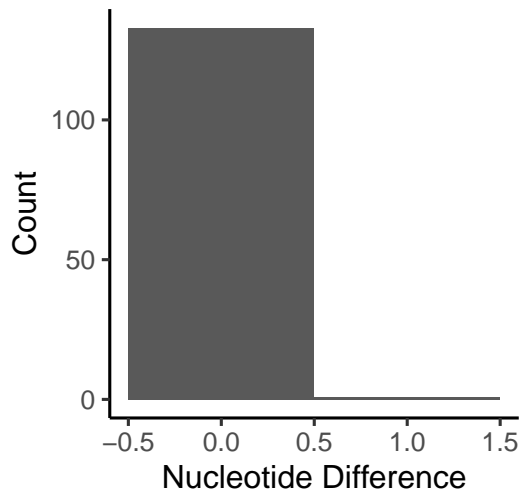
TRBV6-7*ap01

298 sequences assigned
296 (99.3%) exact matches, in which:
289 unique CDR3
13 unique J



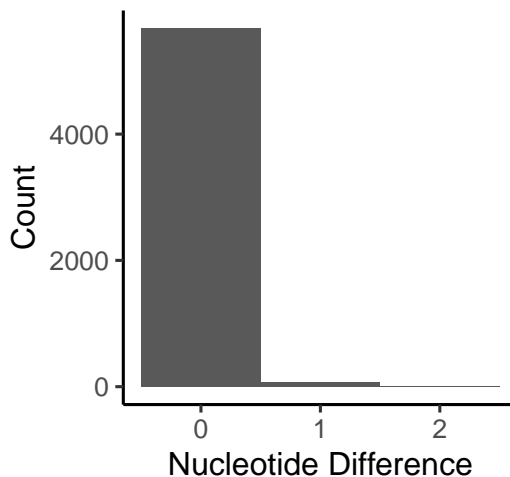
TRBV6-8*ap01

134 sequences assigned
133 (99.3%) exact matches, in which:
130 unique CDR3
13 unique J



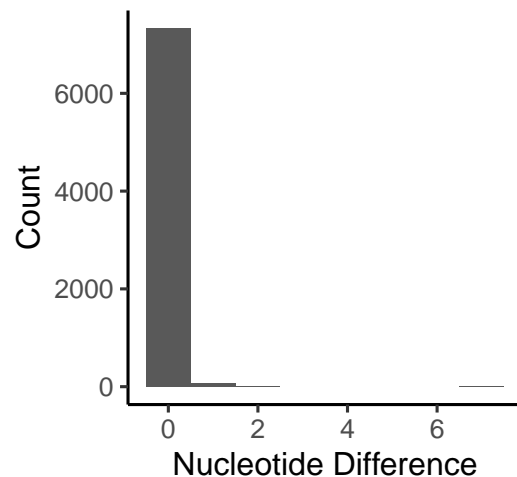
TRBV6-56*ap01

5745 sequences assigned
5674 (98.8%) exact matches, in which:
5501 unique CDR3
13 unique J



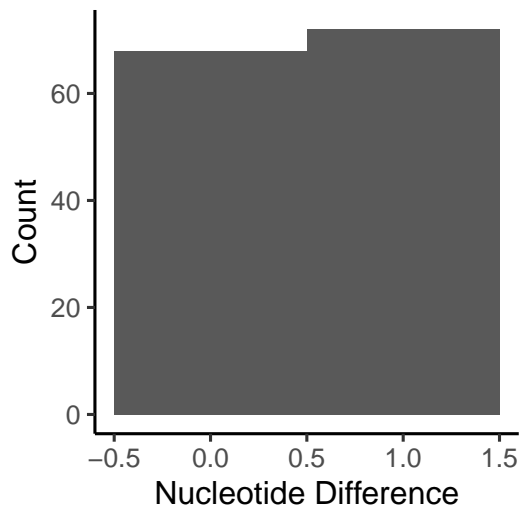
TRBV7-2*ap01

7411 sequences assigned
7328 (98.9%) exact matches, in which:
7117 unique CDR3
13 unique J



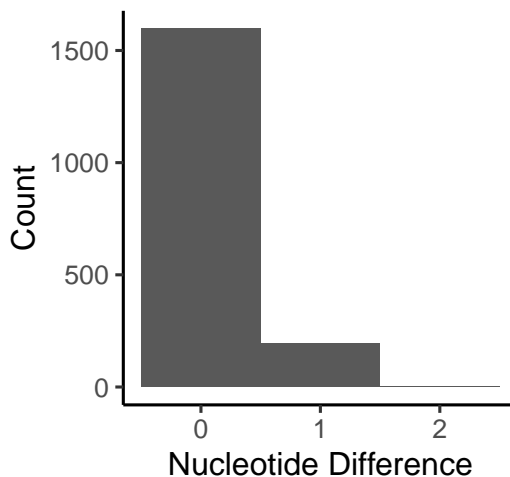
TRBV6-9*ap01

140 sequences assigned
68 (48.6%) exact matches, in which:
67 unique CDR3
13 unique J



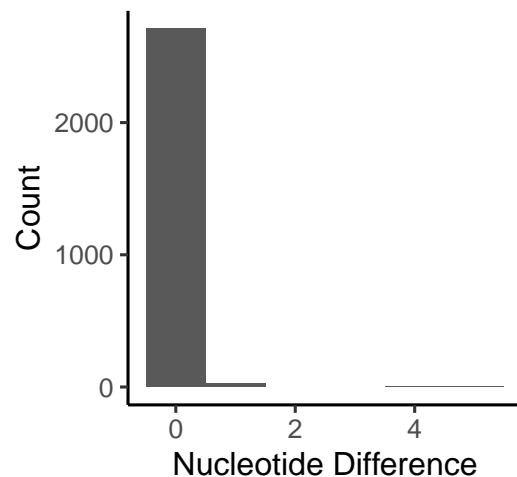
TRBV6-56*ap02

1792 sequences assigned
1597 (89.1%) exact matches, in which:
1562 unique CDR3
13 unique J



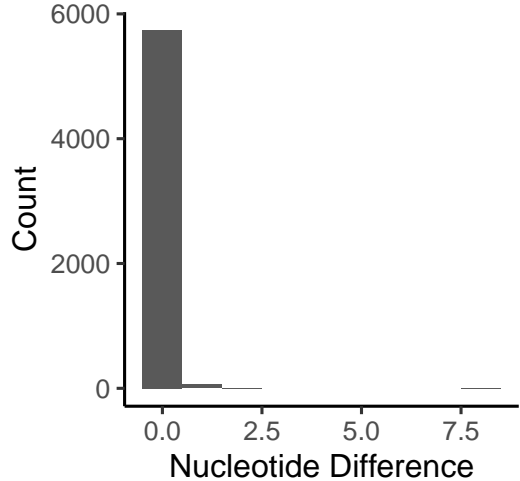
TRBV7-3*ap01

2738 sequences assigned
2710 (99%) exact matches, in which:
2655 unique CDR3
13 unique J



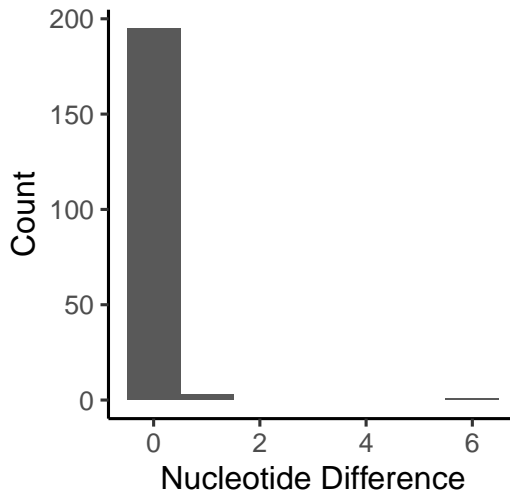
TRBV6-23*ap01

5806 sequences assigned
5741 (98.9%) exact matches, in which:
5572 unique CDR3
13 unique J



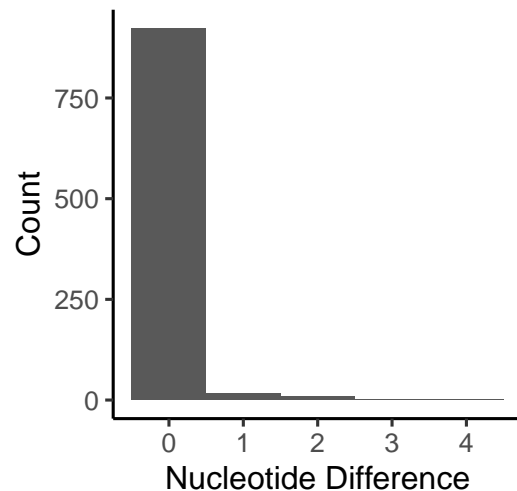
TRBV7-1*ap01_G291C_

199 sequences assigned
195 (98%) exact matches, in which:
190 unique CDR3
13 unique J



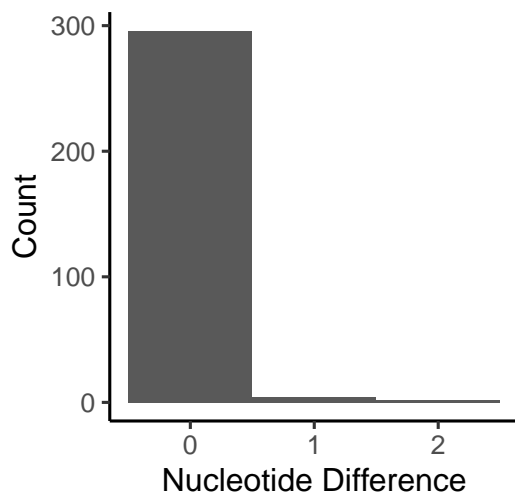
TRBV7-3*ap03

949 sequences assigned
923 (97.3%) exact matches, in which:
896 unique CDR3
13 unique J



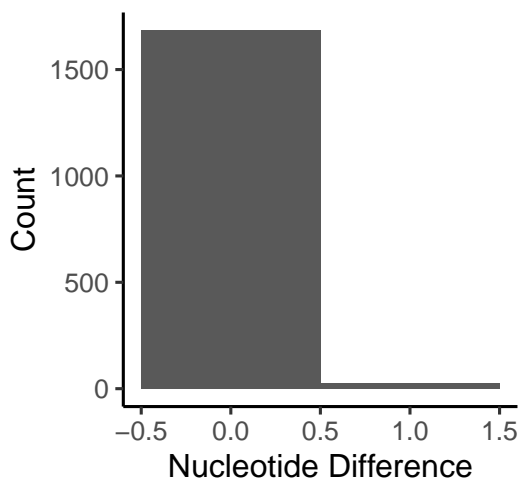
TRBV7-4*ap01

302 sequences assigned
296 (98%) exact matches, in which:
291 unique CDR3
13 unique J



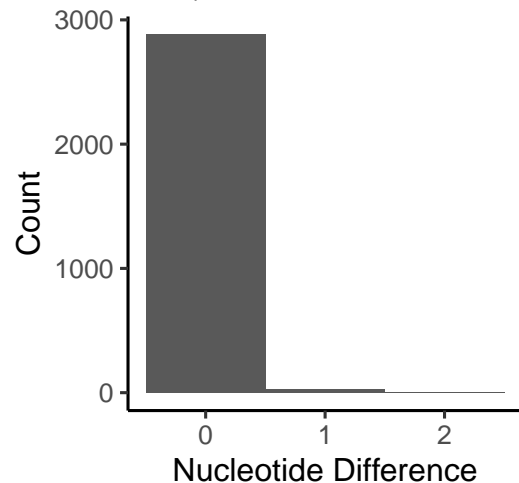
TRBV7-8*ap01

1710 sequences assigned
1684 (98.5%) exact matches, in which:
1643 unique CDR3
13 unique J



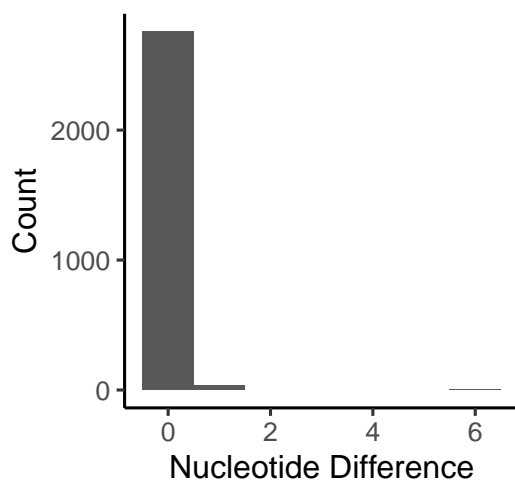
TRBV29-1*ap01

2916 sequences assigned
2883 (98.9%) exact matches, in which:
2826 unique CDR3
13 unique J



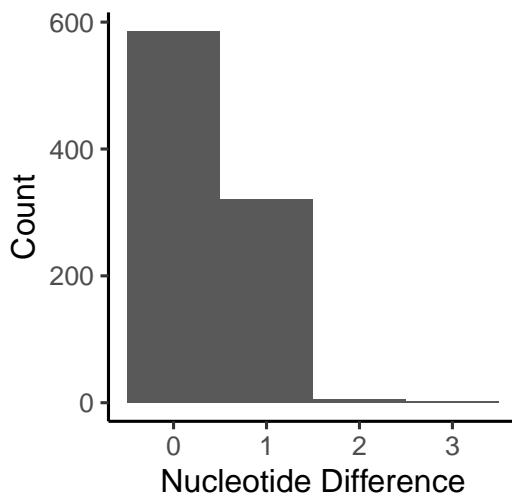
TRBV7-6*ap01

2792 sequences assigned
2757 (98.7%) exact matches, in which:
2695 unique CDR3
13 unique J



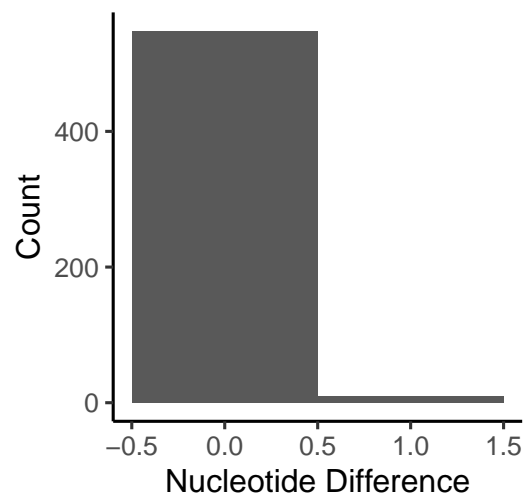
TRBV7-8*ap03

914 sequences assigned
586 (64.1%) exact matches, in which:
571 unique CDR3
13 unique J



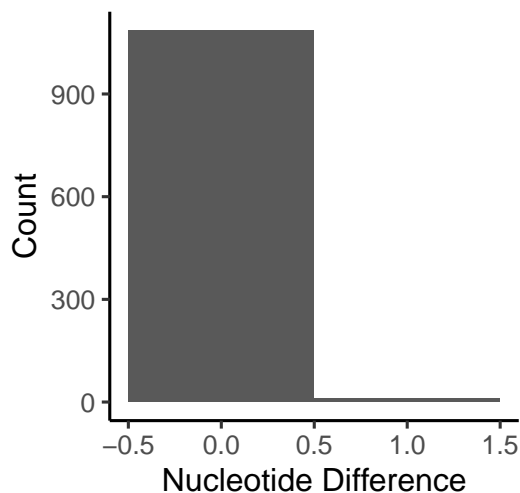
TRBV29-1*ap02

557 sequences assigned
548 (98.4%) exact matches, in which:
536 unique CDR3
13 unique J



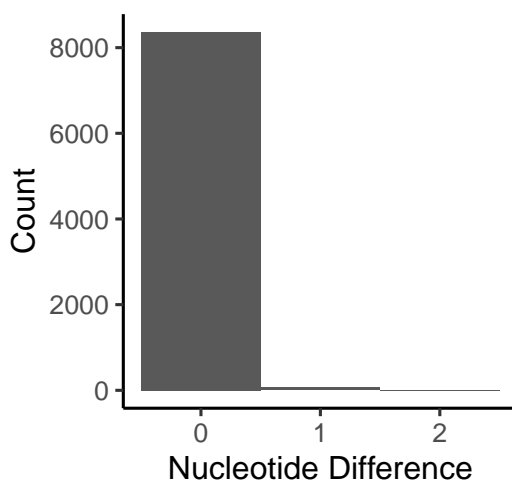
TRBV7-7*ap01

1096 sequences assigned
1086 (99.1%) exact matches, in which:
1054 unique CDR3
13 unique J



TRBV7-9*ap01

8435 sequences assigned
8364 (99.2%) exact matches, in which:
8168 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

