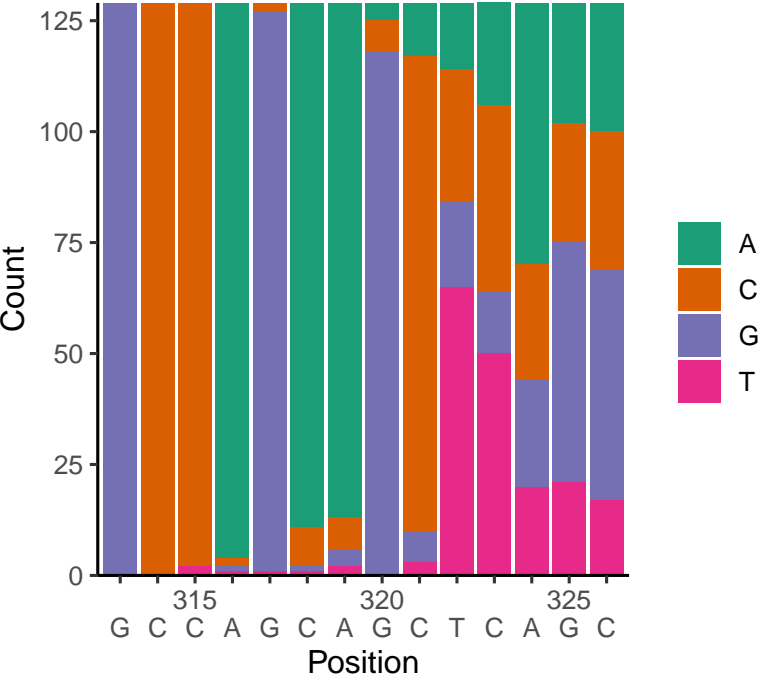
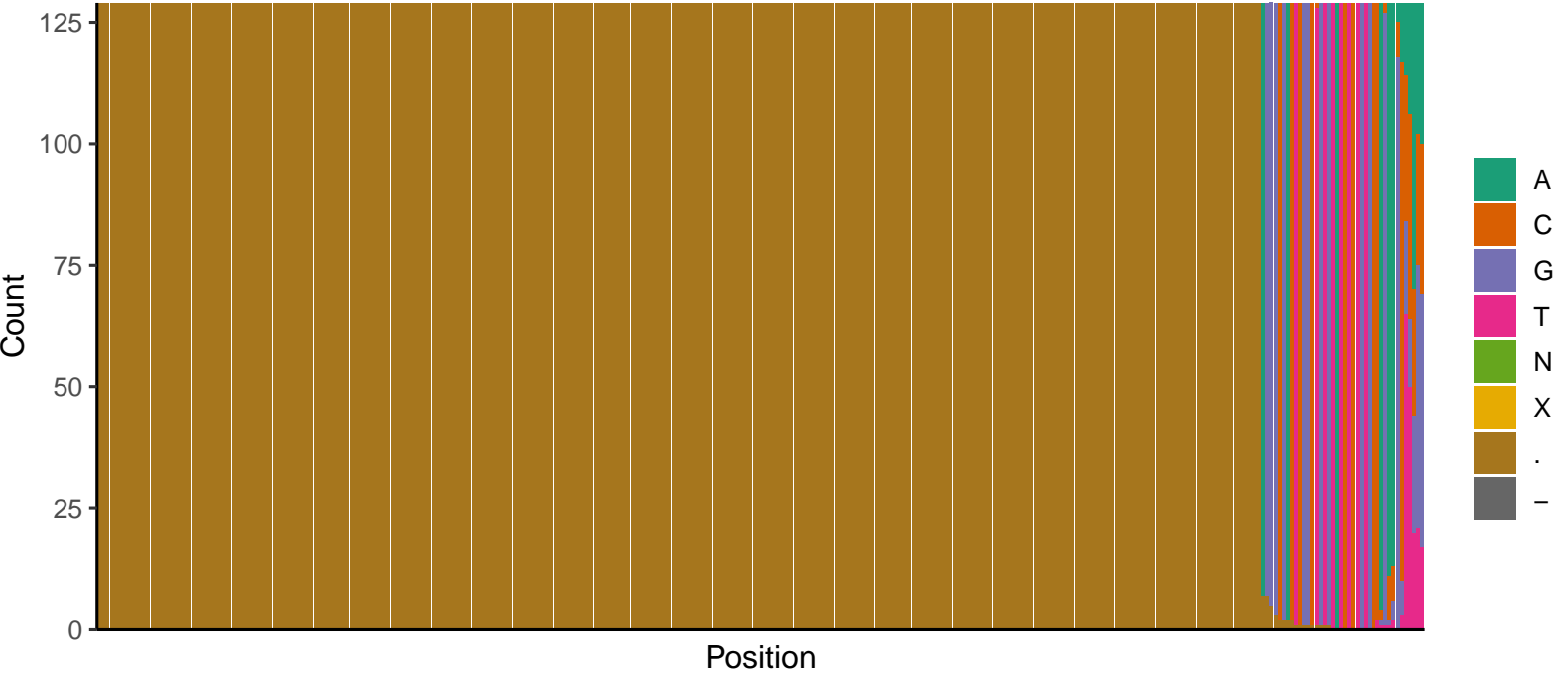


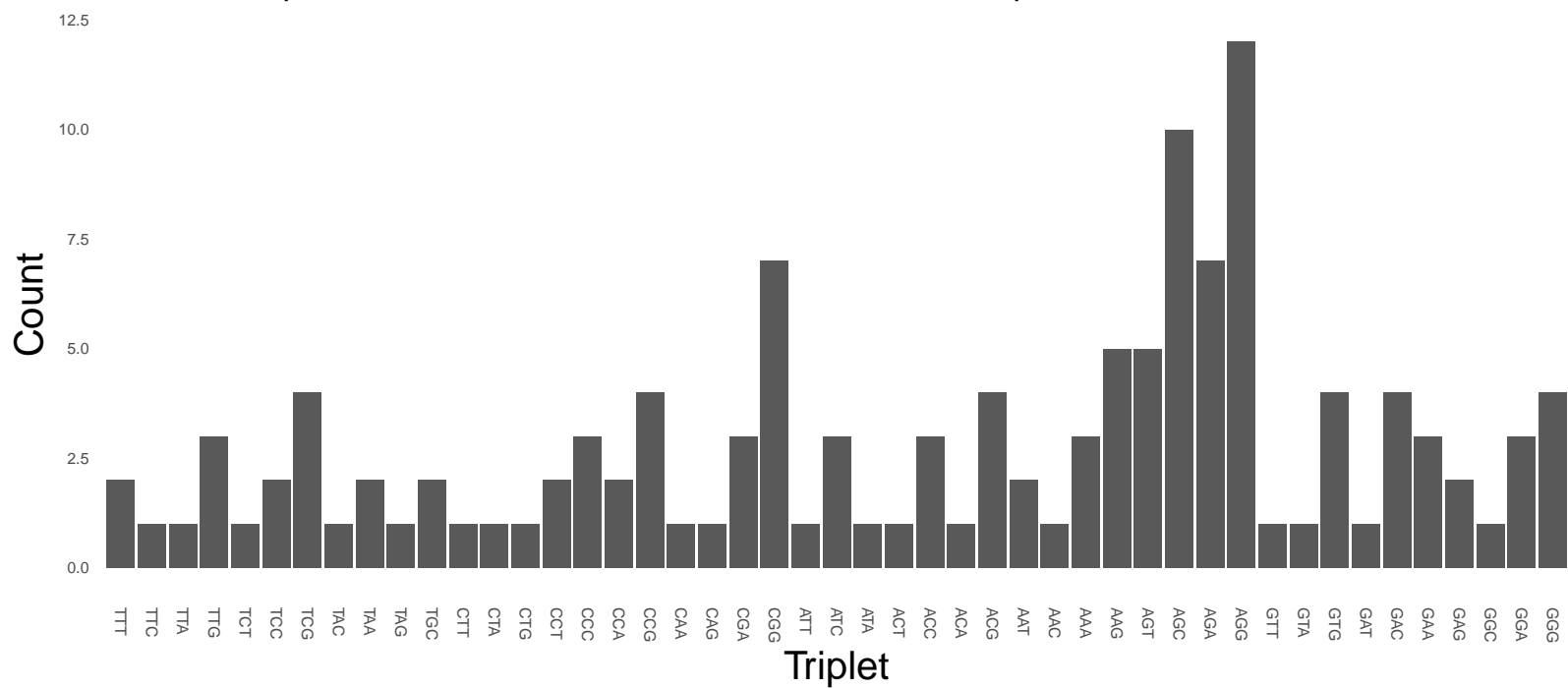
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C

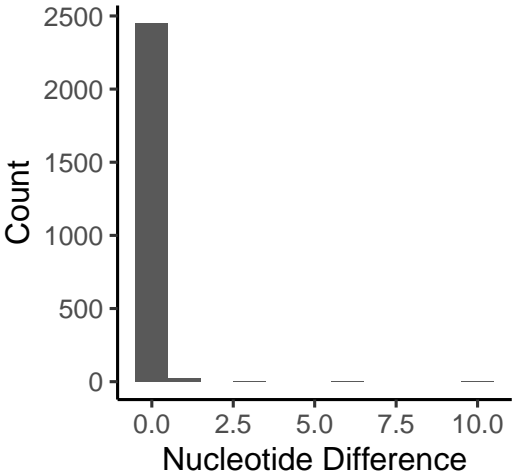


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



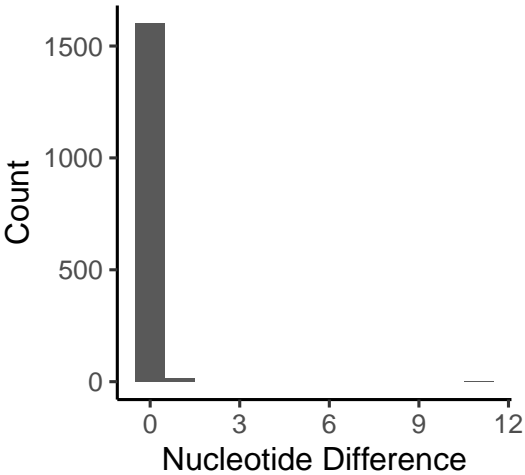
TRBV10-1*ap01

2480 sequences assigned
2449 (98.8%) exact matches, in which:
2366 unique CDR3
13 unique J



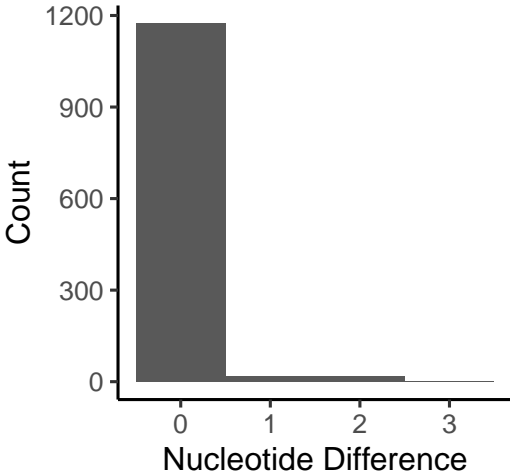
TRBV10-2*ap01

1616 sequences assigned
1601 (99.1%) exact matches, in which:
1565 unique CDR3
13 unique J



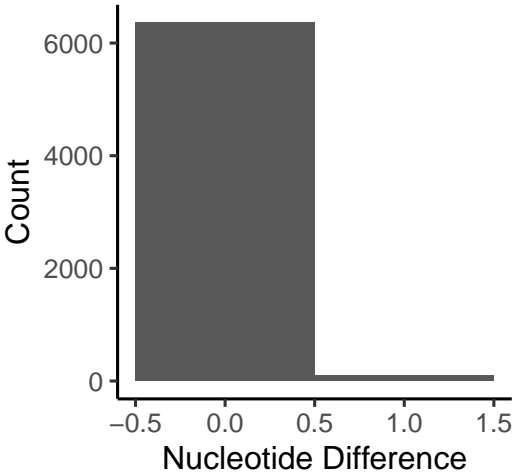
TRBV13*ap01

1211 sequences assigned
1174 (96.9%) exact matches, in which:
1128 unique CDR3
13 unique J



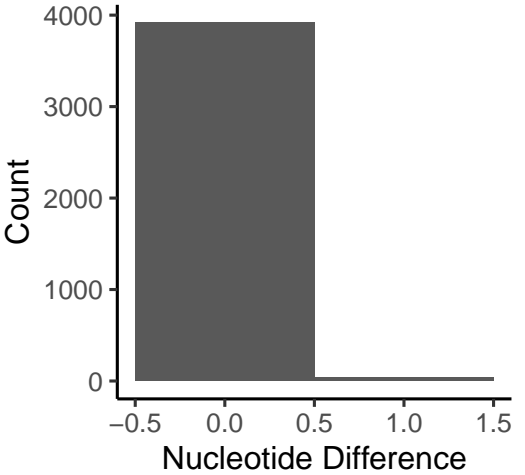
TRBV20-1*ap01

6452 sequences assigned
6361 (98.6%) exact matches, in which:
6181 unique CDR3
13 unique J



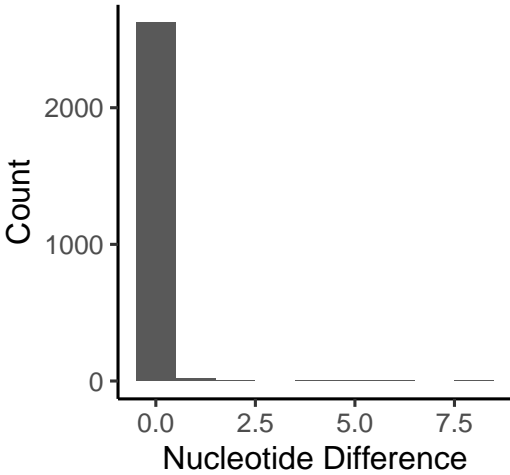
TRBV10-3*ap01

3960 sequences assigned
3917 (98.9%) exact matches, in which:
3801 unique CDR3
13 unique J



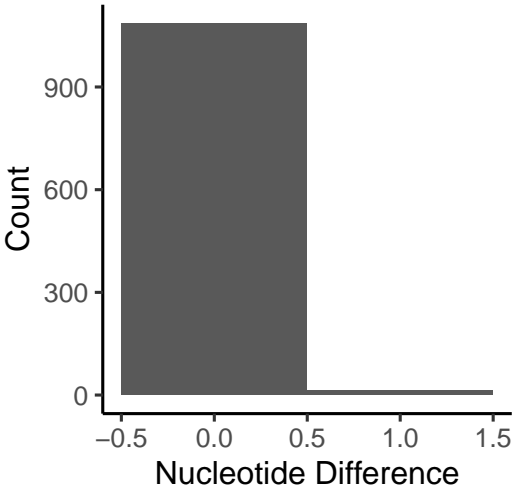
TRBV14*ap01

2650 sequences assigned
2622 (98.9%) exact matches, in which:
2566 unique CDR3
13 unique J



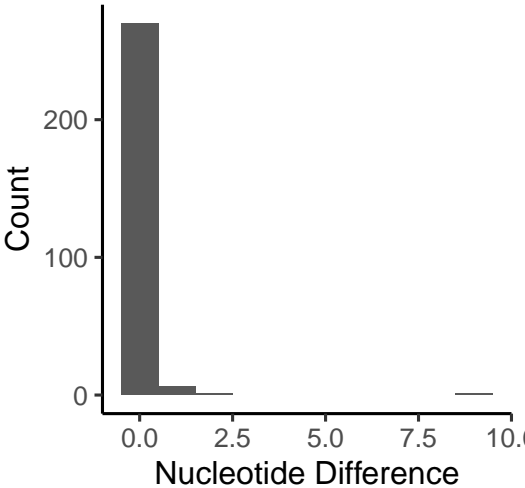
TRBV20-1*ap02

1098 sequences assigned
1086 (98.9%) exact matches, in which:
1061 unique CDR3
13 unique J



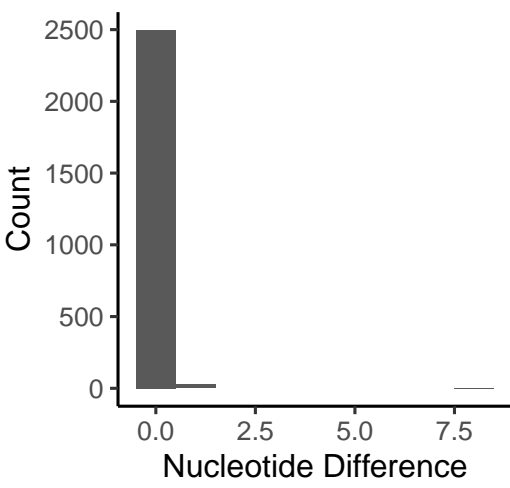
TRBV1*ap01

278 sequences assigned
270 (97.1%) exact matches, in which:
264 unique CDR3
13 unique J



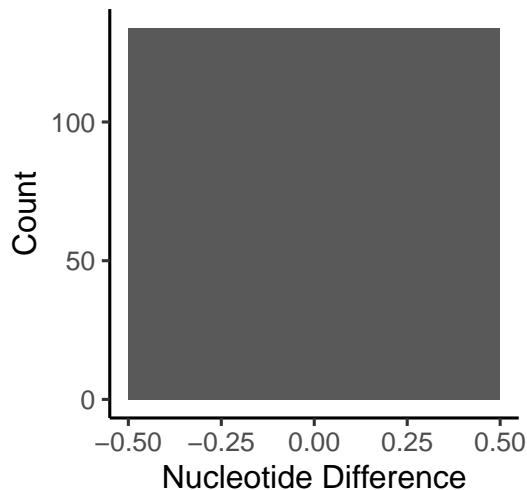
TRBV15*ap02

2524 sequences assigned
2497 (98.9%) exact matches, in which:
2416 unique CDR3
13 unique J



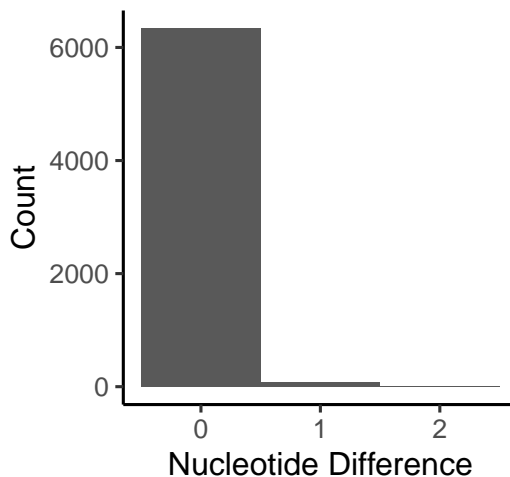
TRBV16*ap01

134 sequences assigned
134 (100%) exact matches, in which:
133 unique CDR3
13 unique J



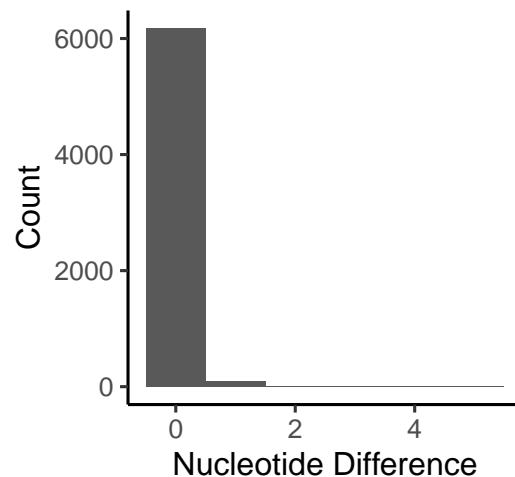
TRBV2*ap01

6418 sequences assigned
6337 (98.7%) exact matches, in which:
6151 unique CDR3
13 unique J



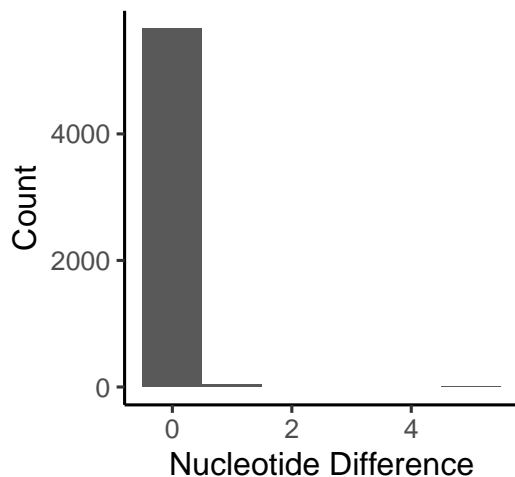
TRBV30*ap01

6274 sequences assigned
6174 (98.4%) exact matches, in which:
6006 unique CDR3
13 unique J



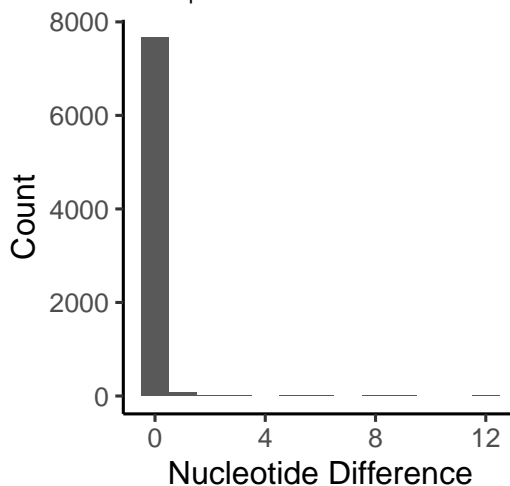
TRBV18*ap01

5699 sequences assigned
5662 (99.4%) exact matches, in which:
5572 unique CDR3
13 unique J



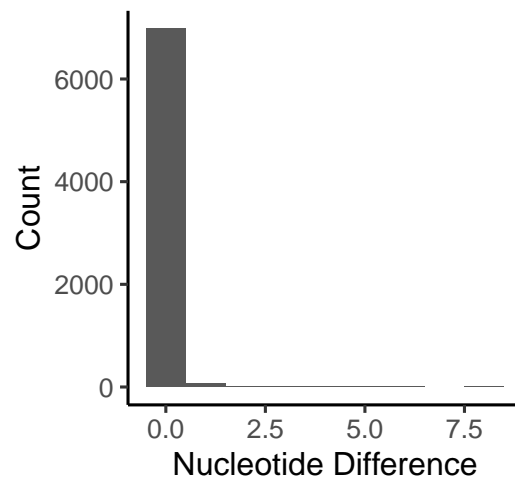
TRBV27*ap01

7758 sequences assigned
7661 (98.7%) exact matches, in which:
7508 unique CDR3
13 unique J



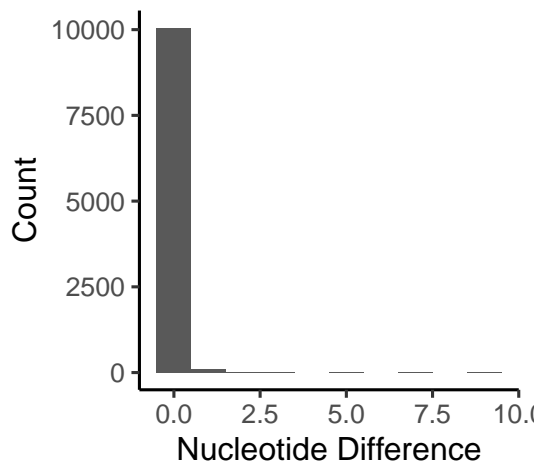
TRBV9*ap01

7062 sequences assigned
6979 (98.8%) exact matches, in which:
6837 unique CDR3
13 unique J



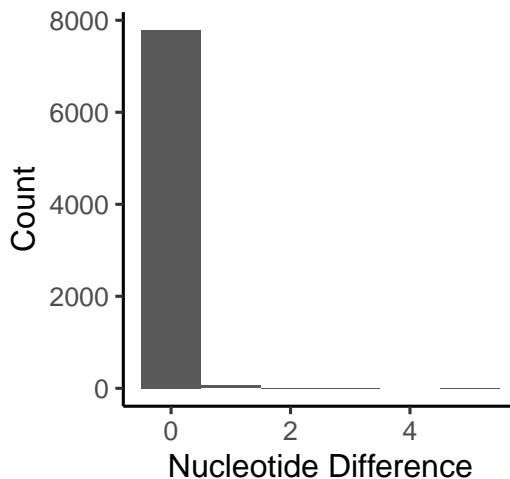
TRBV19*ap01

10160 sequences assigned
10054 (99%) exact matches, in which:
9933 unique CDR3
13 unique J



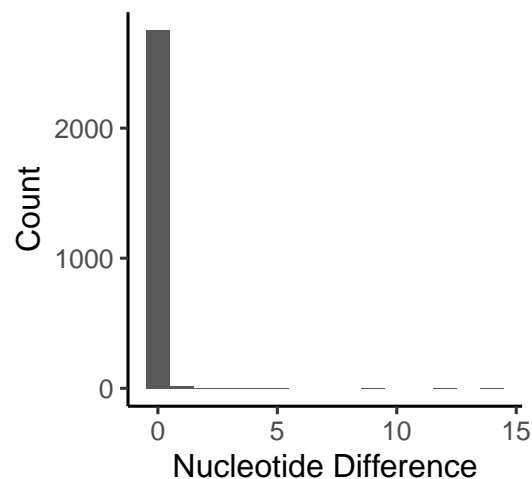
TRBV28*ap01

7855 sequences assigned
7787 (99.1%) exact matches, in which:
7659 unique CDR3
13 unique J



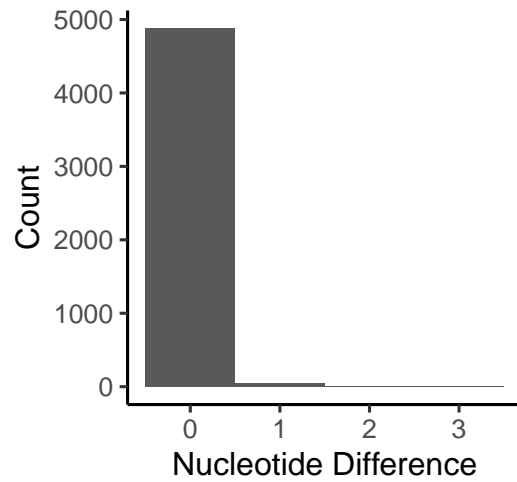
TRBV21-1*ap01

2785 sequences assigned
2754 (98.9%) exact matches, in which:
2738 unique CDR3
13 unique J



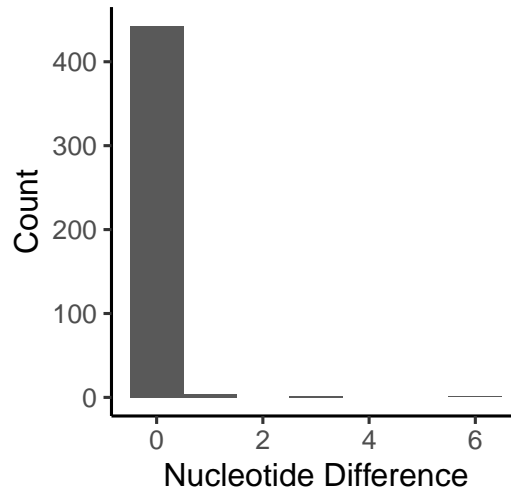
TRBV11–2*ap01

4926 sequences assigned
4879 (99%) exact matches, in which:
4777 unique CDR3
13 unique J



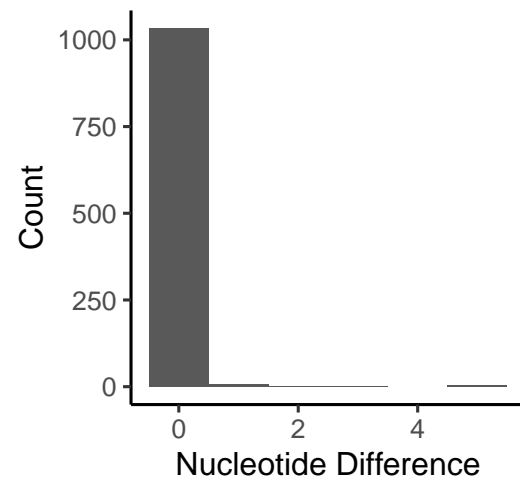
TRBV12–2*ap01

450 sequences assigned
443 (98.4%) exact matches, in which:
433 unique CDR3
13 unique J



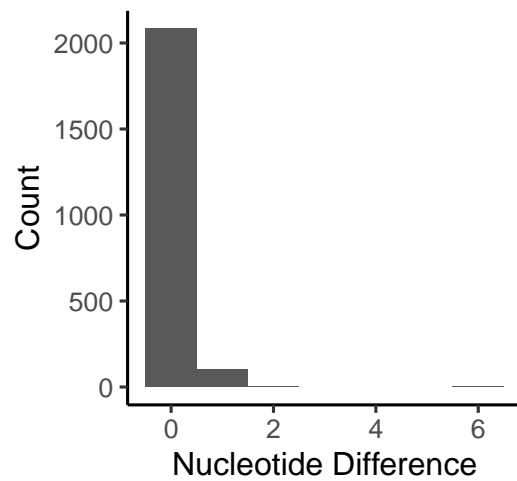
TRBV23–1*ap01

1046 sequences assigned
1033 (98.8%) exact matches, in which:
1026 unique CDR3
13 unique J



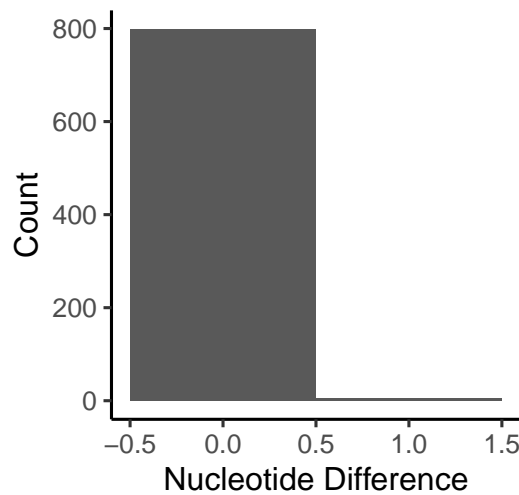
TRBV11–3*ap01

2185 sequences assigned
2083 (95.3%) exact matches, in which:
2050 unique CDR3
13 unique J



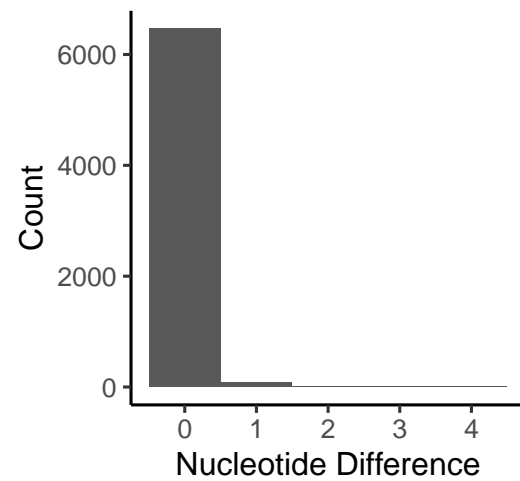
TRBV12–5*ap01

804 sequences assigned
799 (99.4%) exact matches, in which:
785 unique CDR3
13 unique J



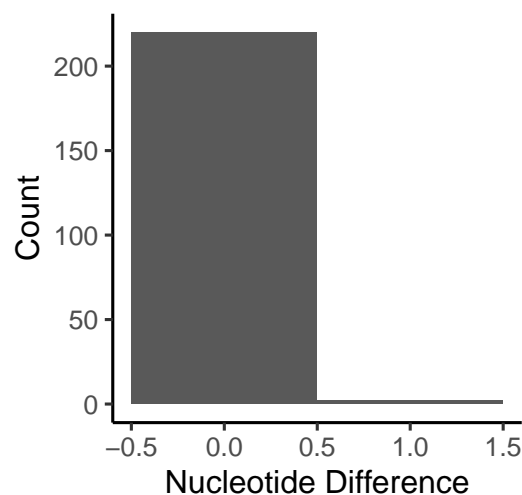
TRBV3–12*ap01

6548 sequences assigned
6465 (98.7%) exact matches, in which:
6333 unique CDR3
13 unique J



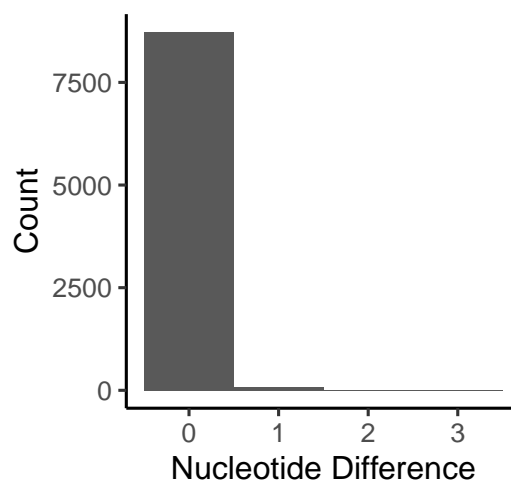
TRBV12–1*ap01

222 sequences assigned
220 (99.1%) exact matches, in which:
214 unique CDR3
13 unique J



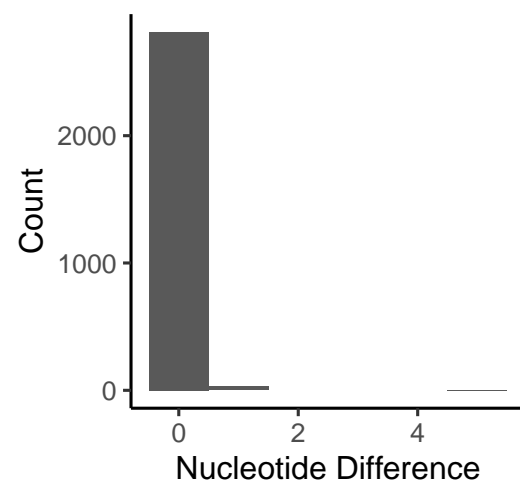
TRBV12–34*ap01

8815 sequences assigned
8726 (99%) exact matches, in which:
8532 unique CDR3
13 unique J



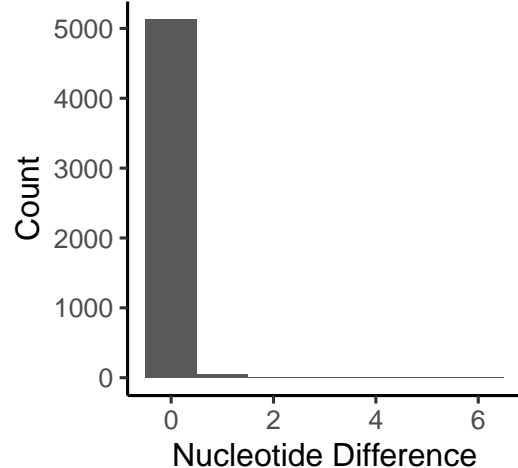
TRBV4–1*ap01

2844 sequences assigned
2814 (98.9%) exact matches, in which:
2723 unique CDR3
13 unique J



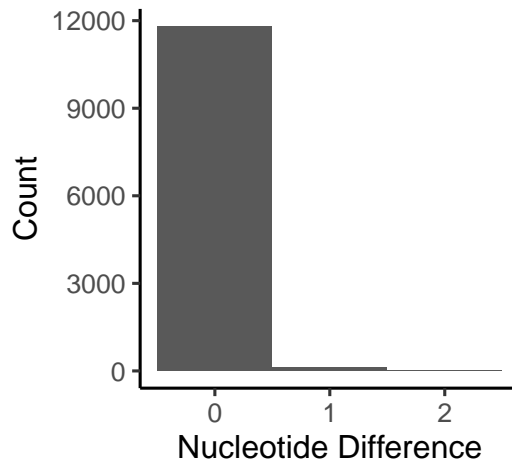
TRBV24-1*ap01

5187 sequences assigned
5129 (98.9%) exact matches, in which:
5017 unique CDR3
13 unique J



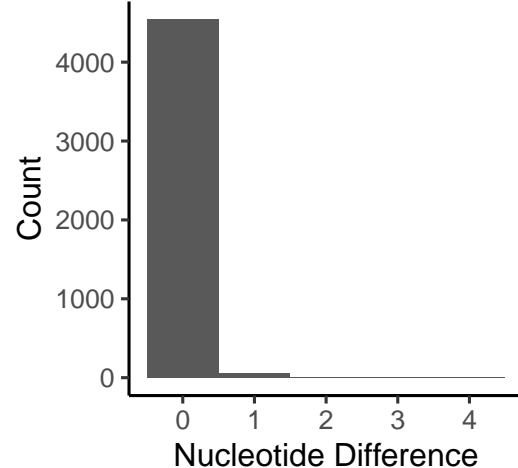
TRBV5-1*ap01

11949 sequences assigned
11812 (98.9%) exact matches, in which:
11416 unique CDR3
13 unique J



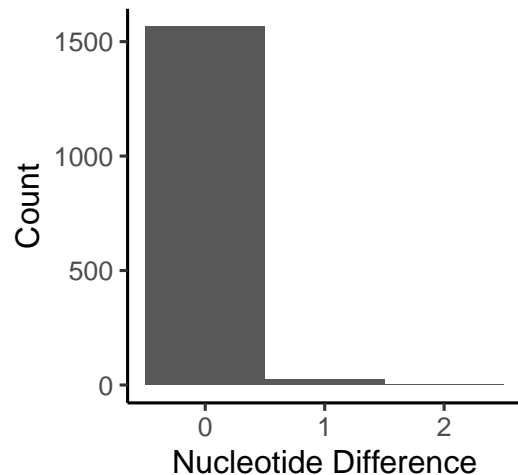
TRBV5-4*ap01

4603 sequences assigned
4542 (98.7%) exact matches, in which:
4414 unique CDR3
13 unique J



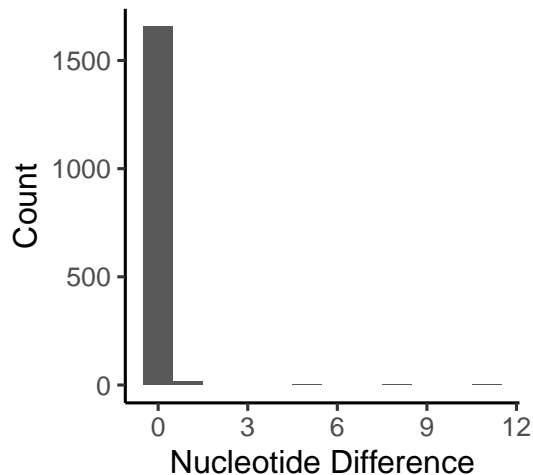
TRBV4-2*ap01

1592 sequences assigned
1565 (98.3%) exact matches, in which:
1529 unique CDR3
13 unique J



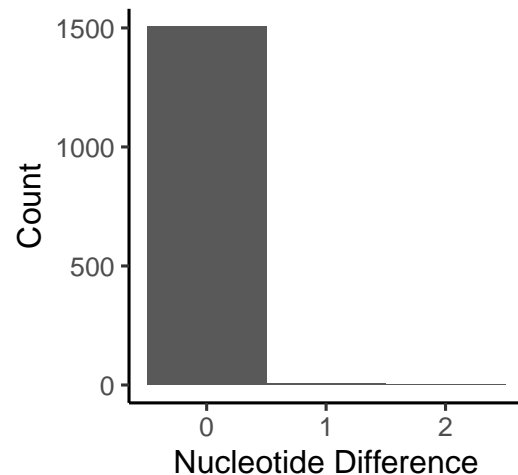
TRBV25-1*ap01

1677 sequences assigned
1656 (98.7%) exact matches, in which:
1606 unique CDR3
13 unique J



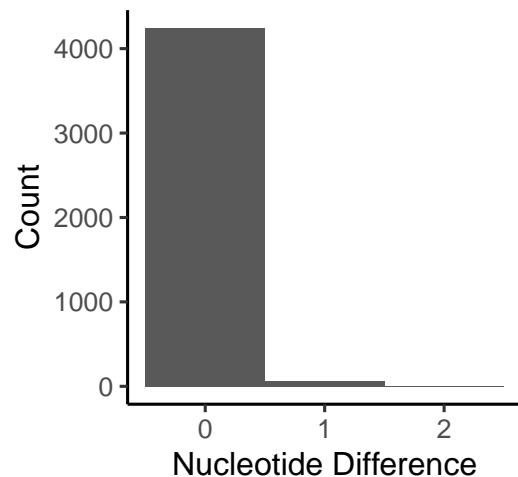
TRBV5-5*ap01

1512 sequences assigned
1505 (99.5%) exact matches, in which:
1492 unique CDR3
13 unique J



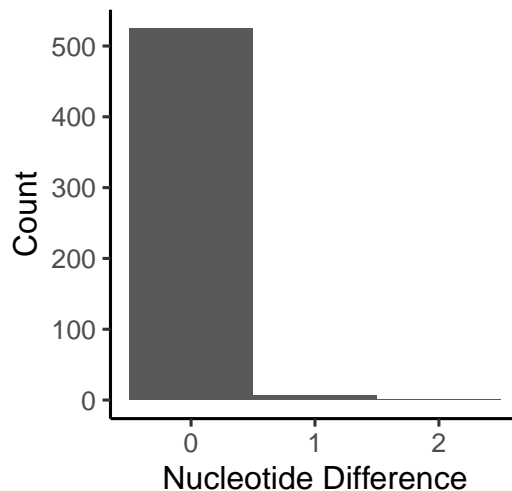
TRBV4-3*ap01

4306 sequences assigned
4244 (98.6%) exact matches, in which:
4132 unique CDR3
13 unique J



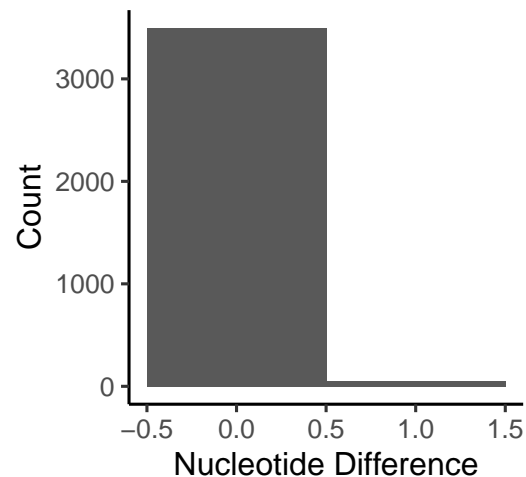
TRBV5-3*ap01

532 sequences assigned
525 (98.7%) exact matches, in which:
511 unique CDR3
13 unique J



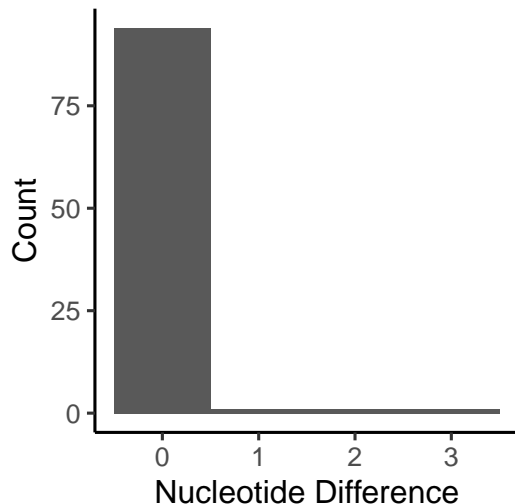
TRBV5-6*ap01

3548 sequences assigned
3496 (98.5%) exact matches, in which:
3352 unique CDR3
13 unique J



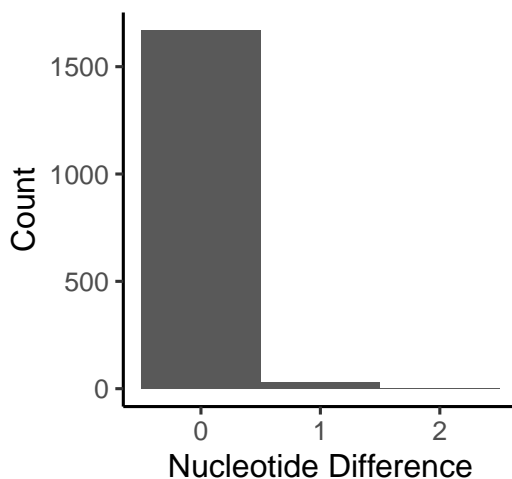
TRBV5-7*ap01

97 sequences assigned
94 (96.9%) exact matches, in which:
88 unique CDR3
13 unique J



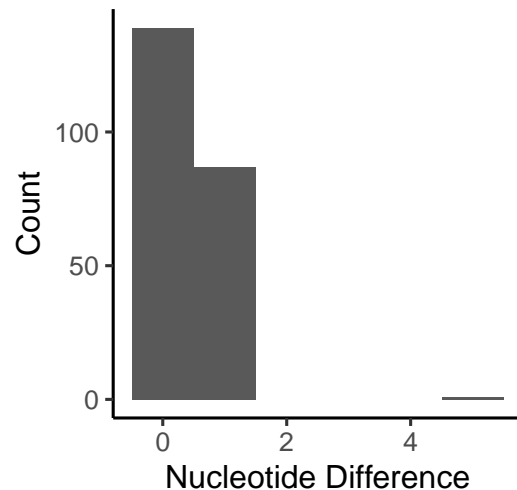
TRBV6-4*ap01

1701 sequences assigned
1669 (98.1%) exact matches, in which:
1639 unique CDR3
13 unique J



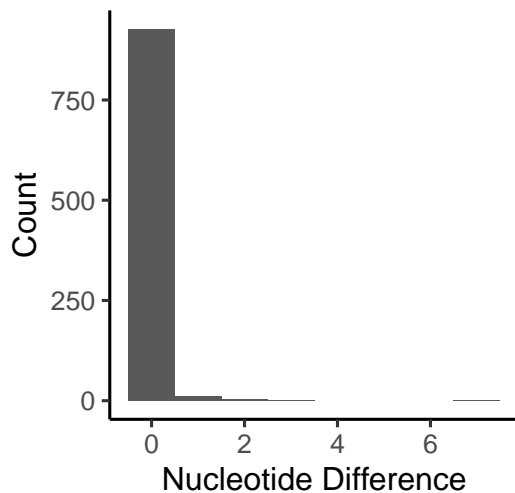
TRBV6-9*ap01

227 sequences assigned
139 (61.2%) exact matches, in which:
137 unique CDR3
11 unique J



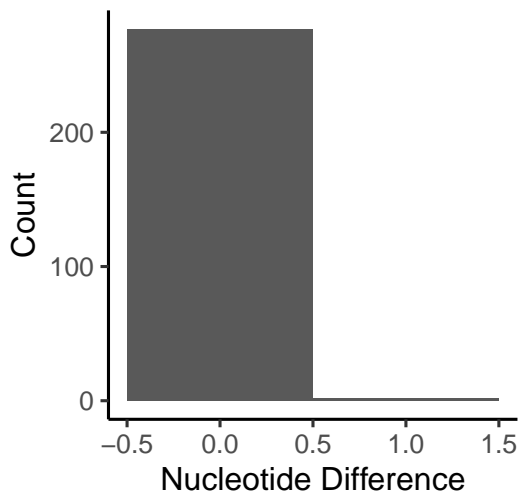
TRBV5-8*ap01

944 sequences assigned
927 (98.2%) exact matches, in which:
918 unique CDR3
13 unique J



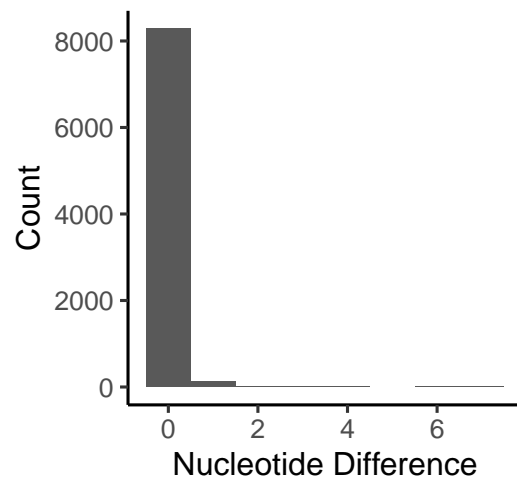
TRBV6-7*ap01

279 sequences assigned
277 (99.3%) exact matches, in which:
270 unique CDR3
13 unique J



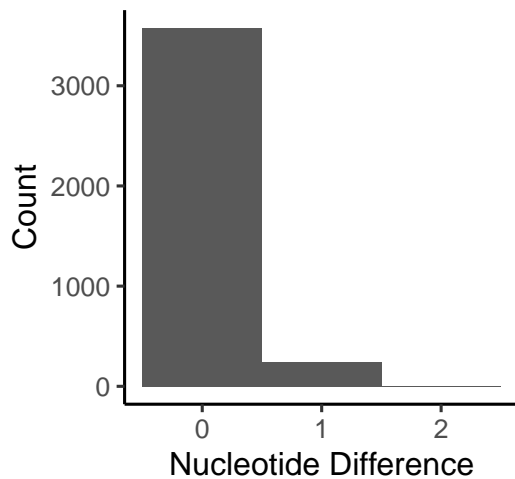
TRBV6-23*ap01

8417 sequences assigned
8283 (98.4%) exact matches, in which:
7965 unique CDR3
13 unique J



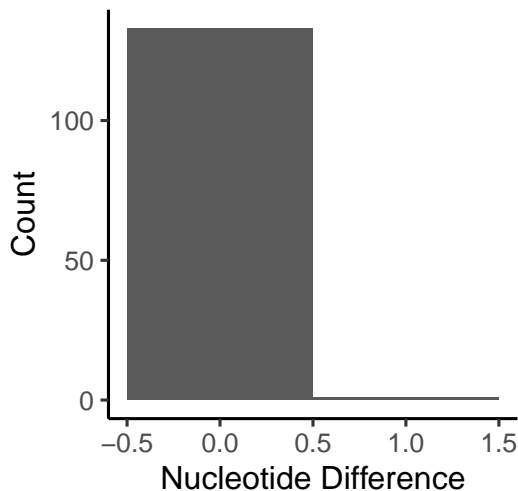
TRBV6-1*ap01

3820 sequences assigned
3576 (93.6%) exact matches, in which:
3443 unique CDR3
13 unique J



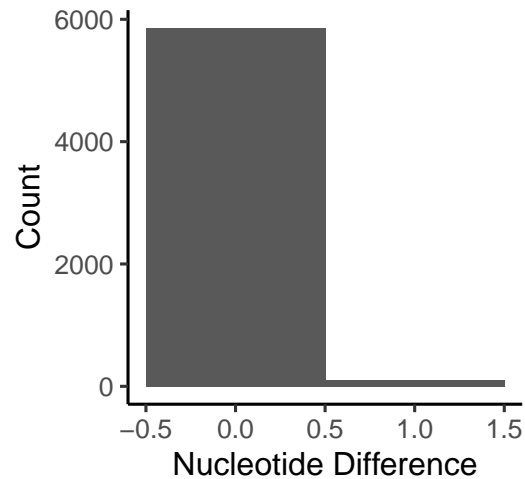
TRBV6-8*ap01

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



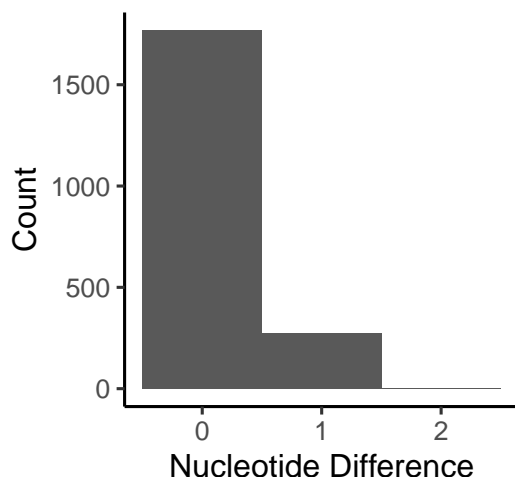
TRBV6-56*ap01

5957 sequences assigned
5857 (98.3%) exact matches, in which:
5618 unique CDR3
13 unique J



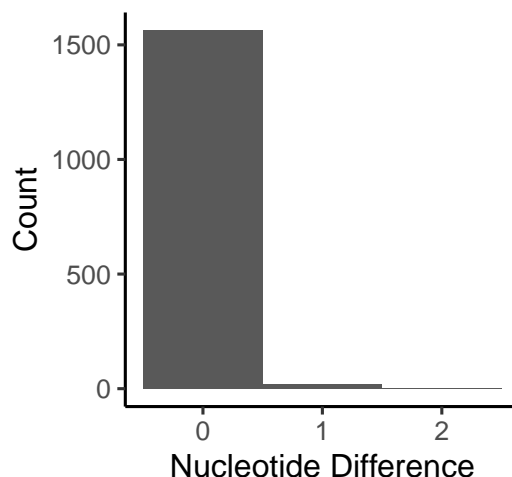
TRBV6-56*ap02

2044 sequences assigned
1768 (86.5%) exact matches, in which:
1702 unique CDR3
13 unique J



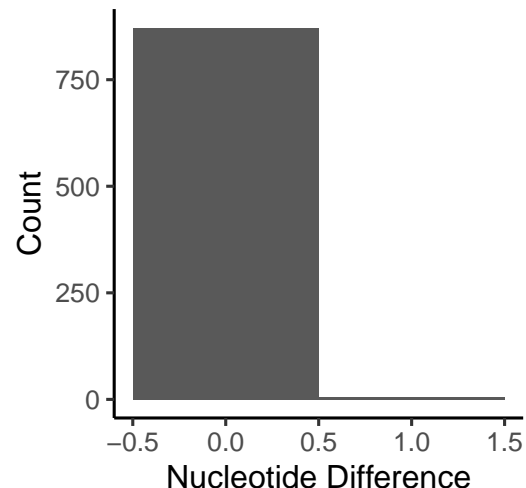
TRBV7-3*ap02

1582 sequences assigned
1563 (98.8%) exact matches, in which:
1522 unique CDR3
13 unique J



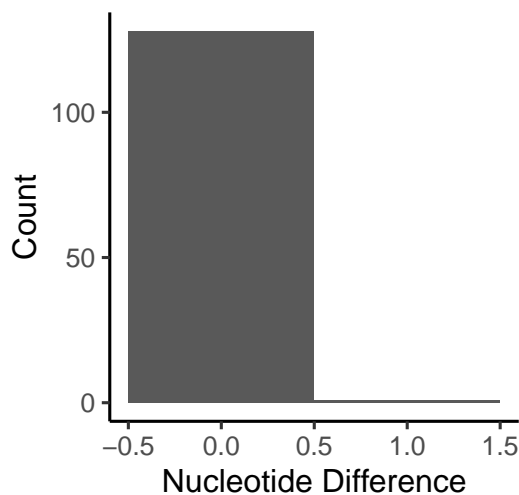
TRBV7-7*ap01

877 sequences assigned
872 (99.4%) exact matches, in which:
849 unique CDR3
13 unique J



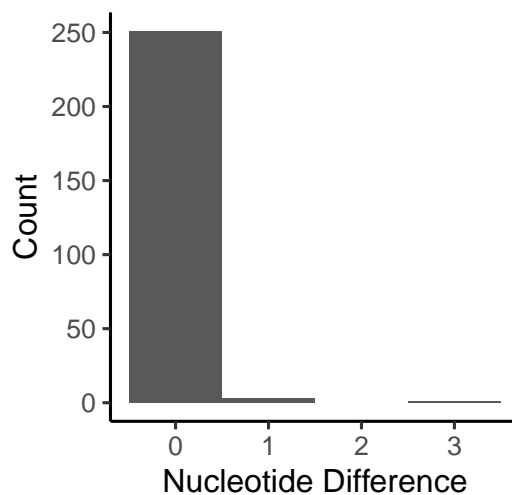
TRBV7-1*ap01_G291C_

129 sequences assigned
128 (99.2%) exact matches, in which:
123 unique CDR3
12 unique J



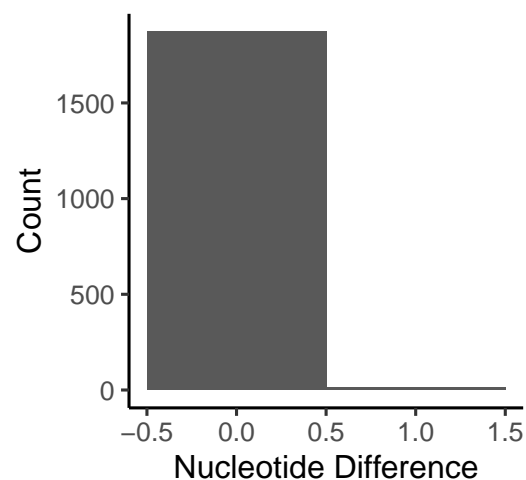
TRBV7-4*ap01

255 sequences assigned
251 (98.4%) exact matches, in which:
242 unique CDR3
13 unique J



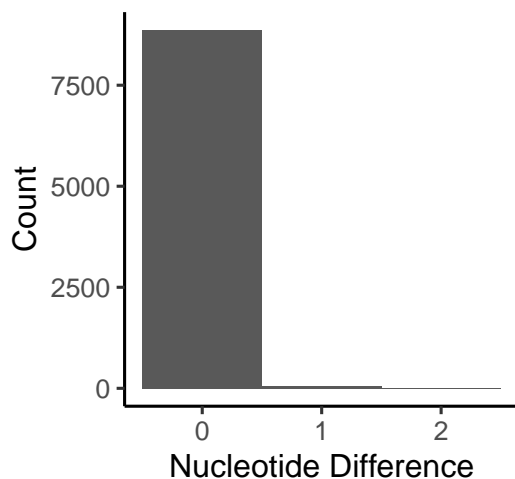
TRBV7-8*ap01

1887 sequences assigned
1872 (99.2%) exact matches, in which:
1826 unique CDR3
13 unique J



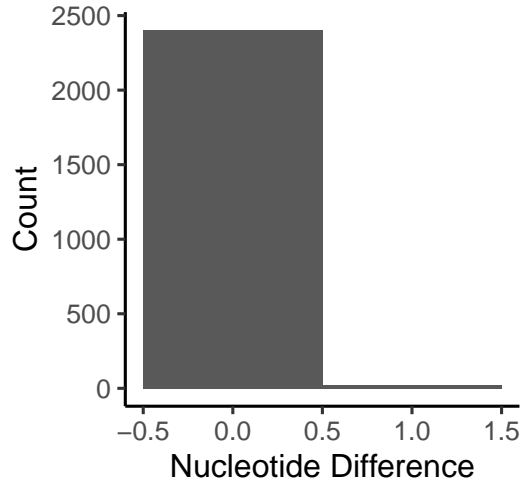
TRBV7-2*ap01

8922 sequences assigned
8865 (99.4%) exact matches, in which:
8694 unique CDR3
13 unique J



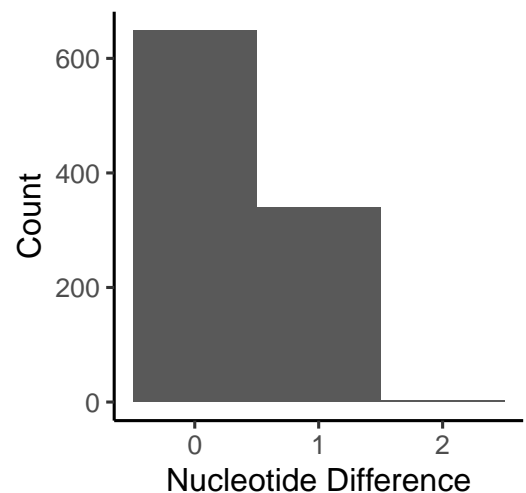
TRBV7-6*ap01

2424 sequences assigned
2403 (99.1%) exact matches, in which:
2350 unique CDR3
13 unique J



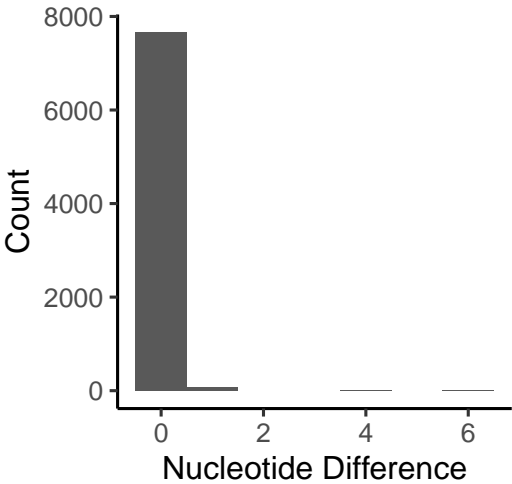
TRBV7-8*ap03

992 sequences assigned
649 (65.4%) exact matches, in which:
630 unique CDR3
13 unique J



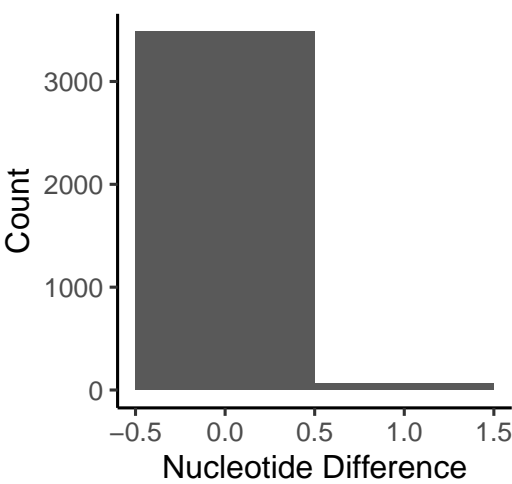
TRBV7-9*ap01

7741 sequences assigned
7659 (98.9%) exact matches, in which:
7447 unique CDR3
13 unique J



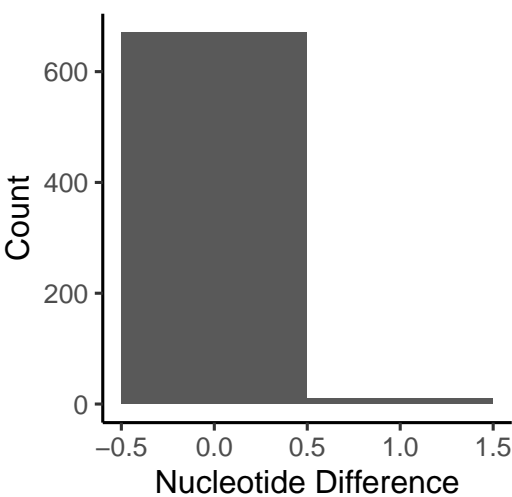
TRBV29-1*ap01

3547 sequences assigned
3484 (98.2%) exact matches, in which:
3347 unique CDR3
13 unique J



TRBV29-1*ap02

681 sequences assigned
671 (98.5%) exact matches, in which:
642 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C

