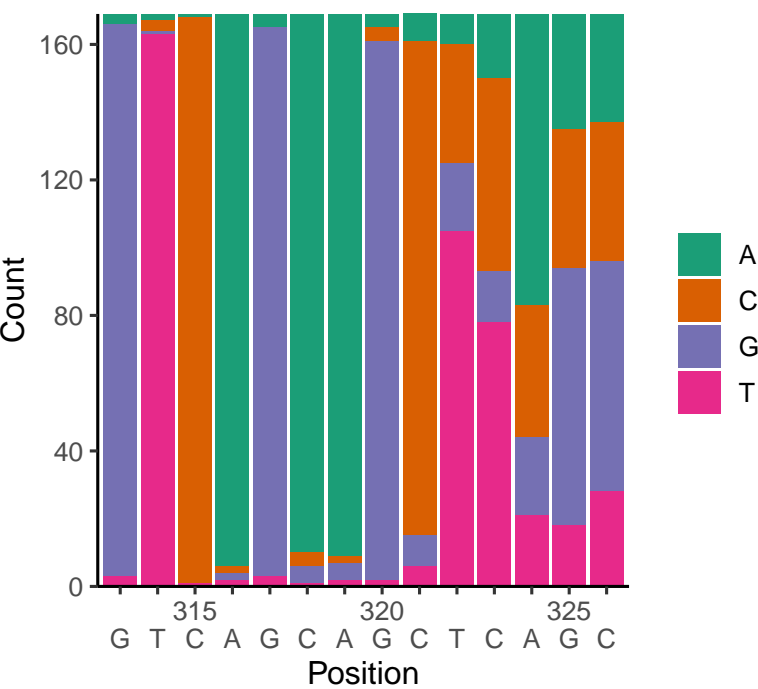
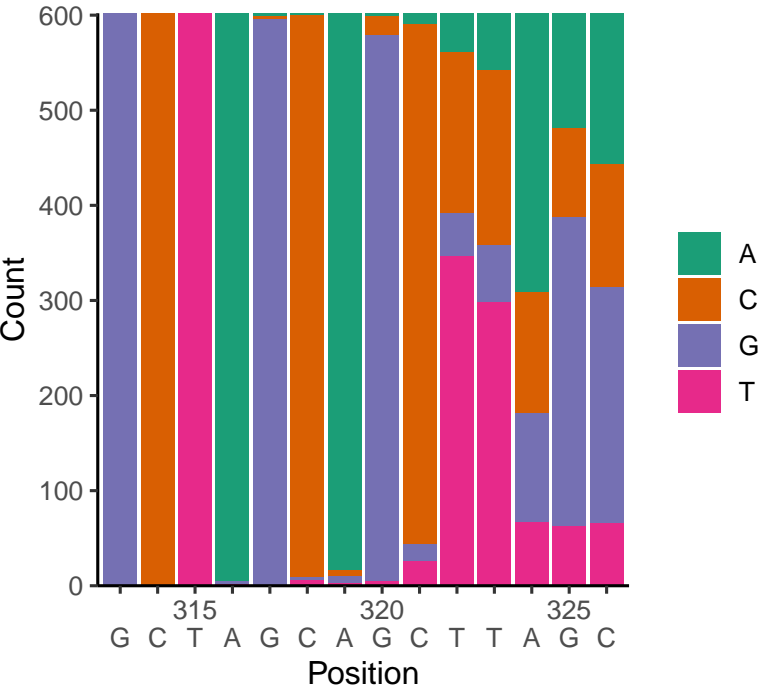


Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-7*ap01_C315T



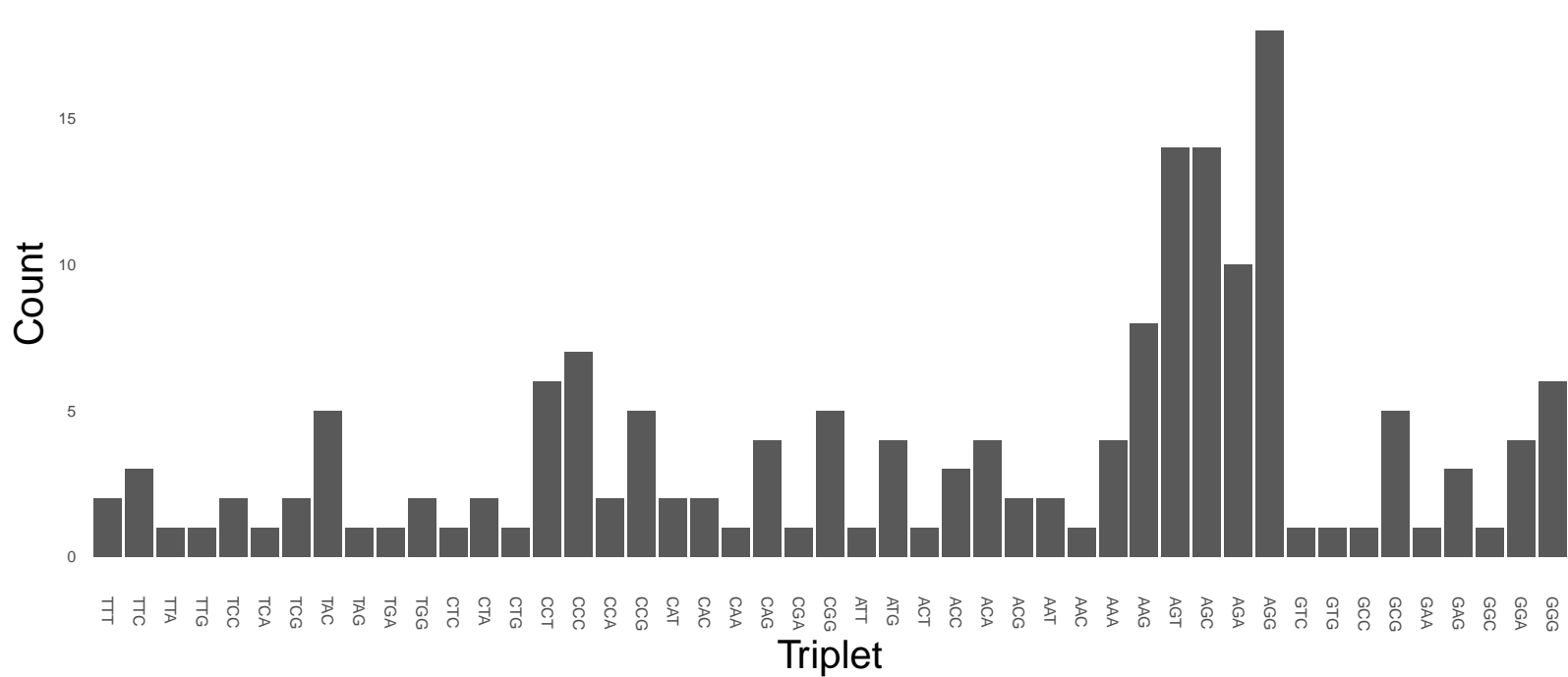
Gene TRBV7-1*ap01_T296C_C314T



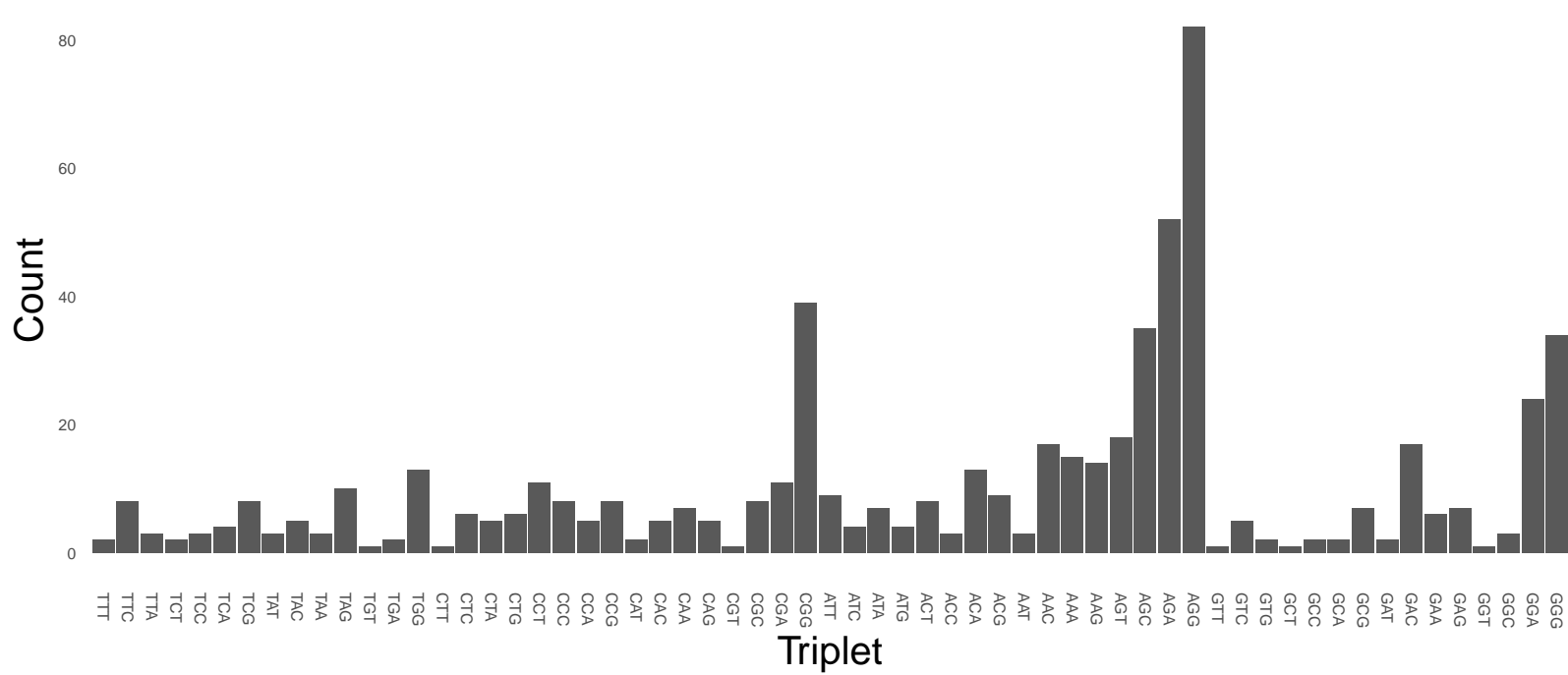
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

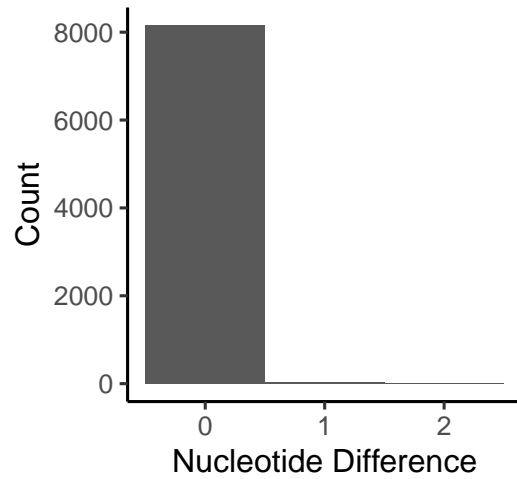


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



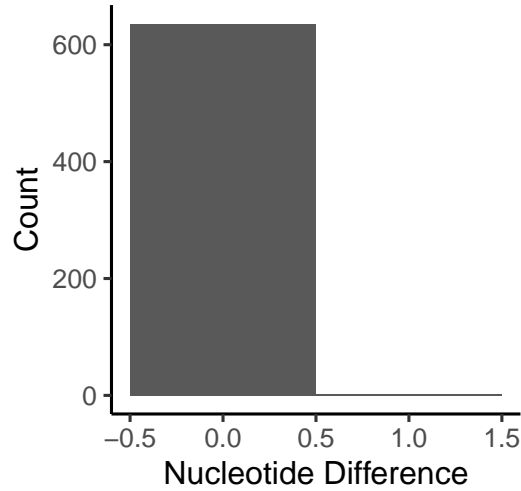
TRBV20-1*ap01

8197 sequences assigned
8154 (99.5%) exact matches, in which:
8114 unique CDR3
13 unique J



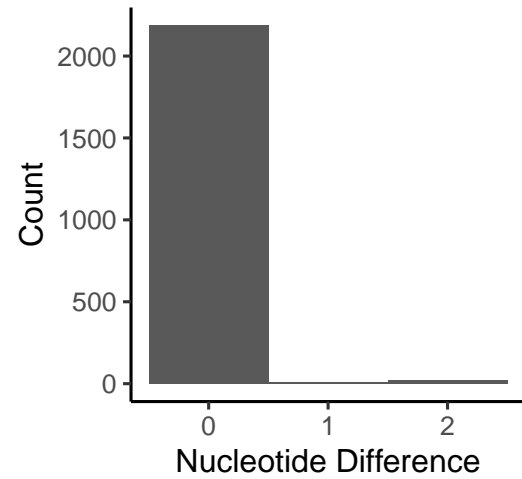
TRBV10-2*ap01

638 sequences assigned
636 (99.7%) exact matches, in which:
627 unique CDR3
13 unique J



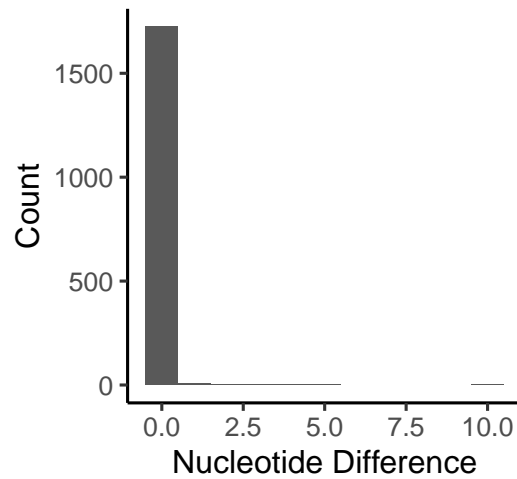
TRBV13*ap01

2218 sequences assigned
2187 (98.6%) exact matches, in which:
2138 unique CDR3
13 unique J



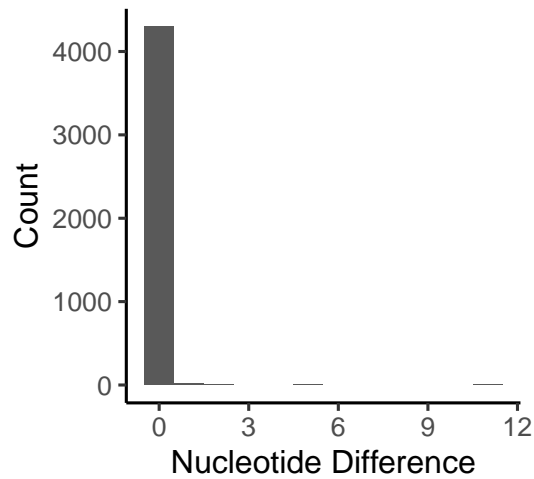
TRBV10-1*ap01

1738 sequences assigned
1724 (99.2%) exact matches, in which:
1715 unique CDR3
13 unique J



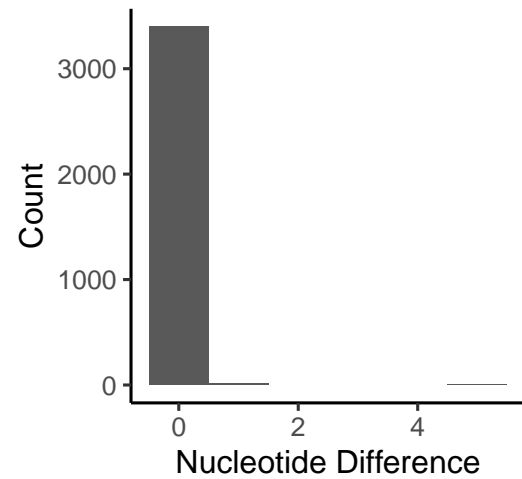
TRBV10-3*ap01

4325 sequences assigned
4297 (99.4%) exact matches, in which:
4266 unique CDR3
13 unique J



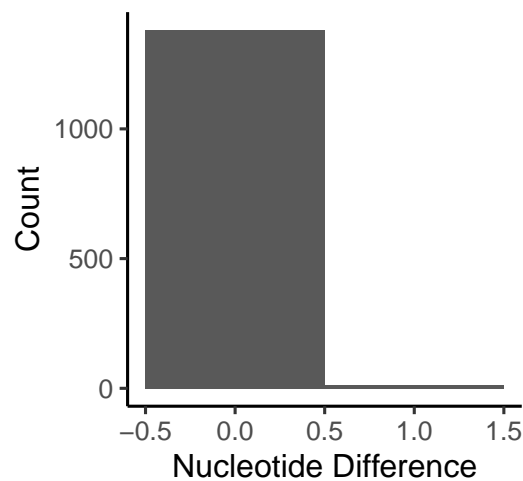
TRBV14*ap01

3410 sequences assigned
3398 (99.6%) exact matches, in which:
3389 unique CDR3
13 unique J



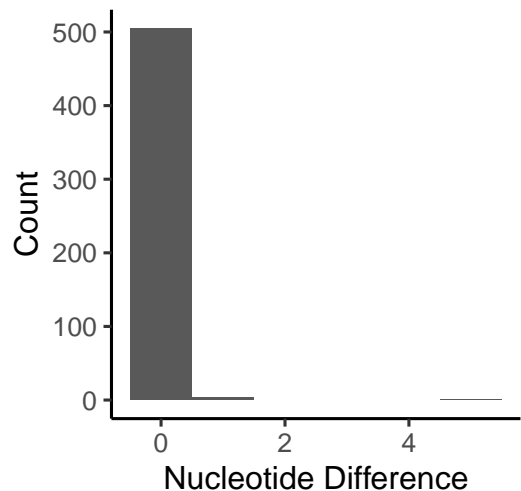
TRBV20-1*ap02

1395 sequences assigned
1381 (99%) exact matches, in which:
1375 unique CDR3
13 unique J



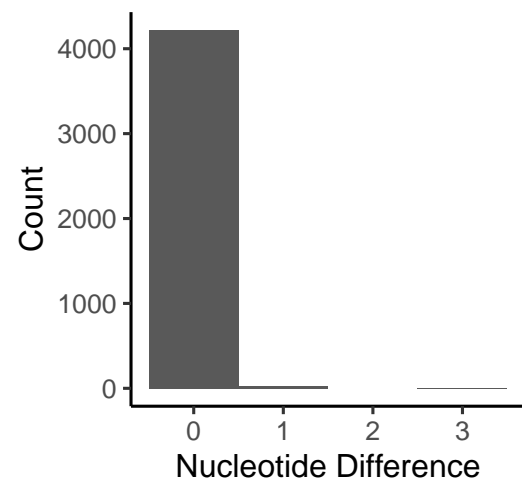
TRBV1*ap01

509 sequences assigned
505 (99.2%) exact matches, in which:
495 unique CDR3
13 unique J



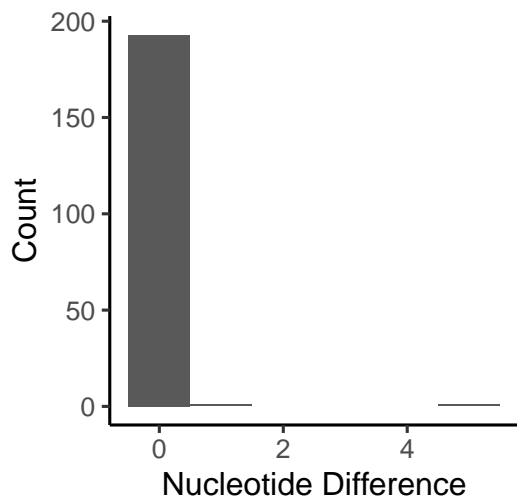
TRBV15*ap02

4250 sequences assigned
4220 (99.3%) exact matches, in which:
4181 unique CDR3
13 unique J



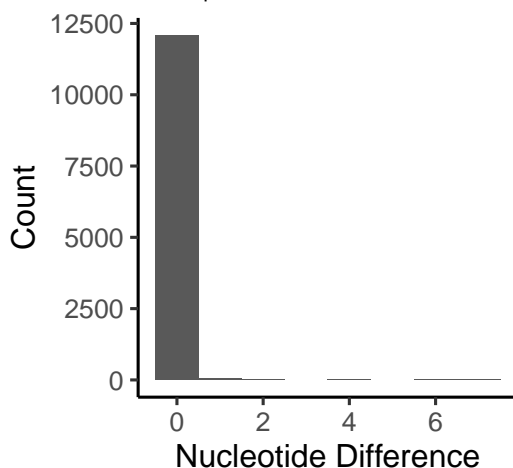
TRBV16*ap01

195 sequences assigned
193 (99%) exact matches, in which:
193 unique CDR3
12 unique J



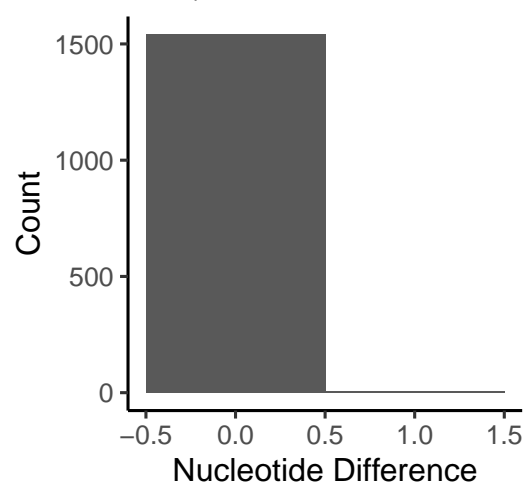
TRBV19*ap01

12159 sequences assigned
12090 (99.4%) exact matches, in which:
12056 unique CDR3
13 unique J



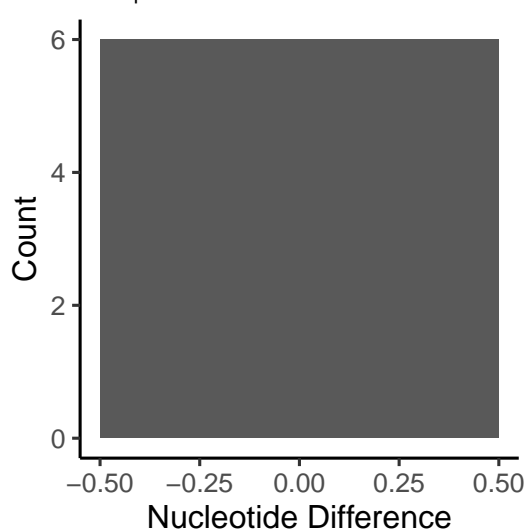
TRBV28*ap01

1546 sequences assigned
1541 (99.7%) exact matches, in which:
1532 unique CDR3
13 unique J



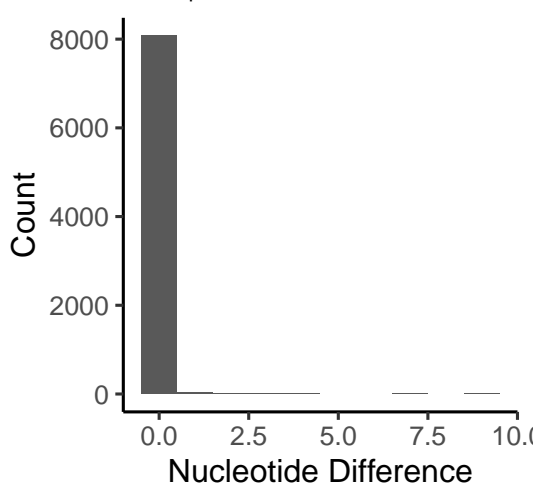
TRBV17*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
5 unique J



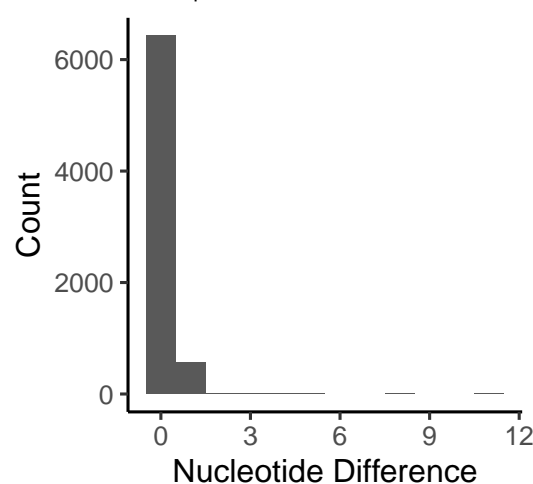
TRBV2*ap01

8119 sequences assigned
8077 (99.5%) exact matches, in which:
8012 unique CDR3
13 unique J



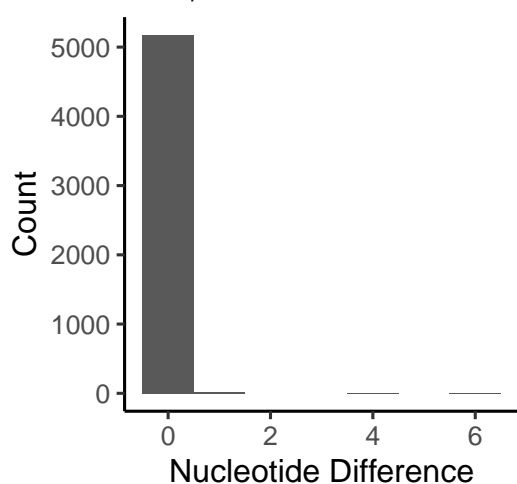
TRBV30*ap01

7007 sequences assigned
6428 (91.7%) exact matches, in which:
6270 unique CDR3
13 unique J



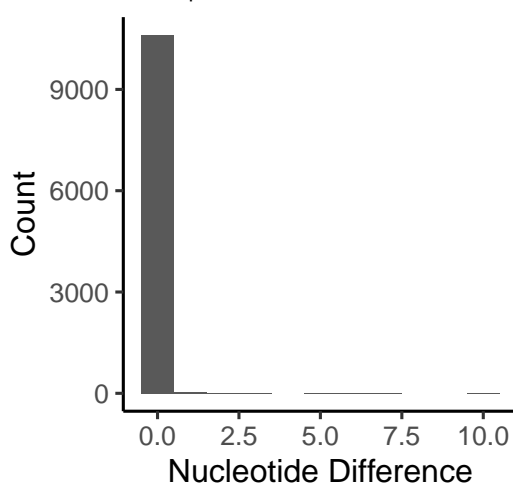
TRBV18*ap01

5191 sequences assigned
5174 (99.7%) exact matches, in which:
5156 unique CDR3
13 unique J



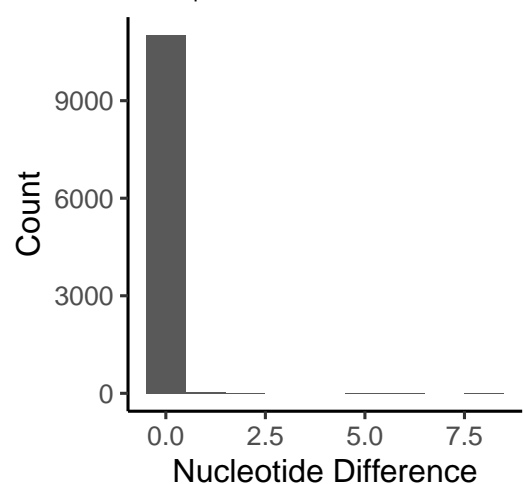
TRBV27*ap01

10652 sequences assigned
10610 (99.6%) exact matches, in which:
10520 unique CDR3
13 unique J



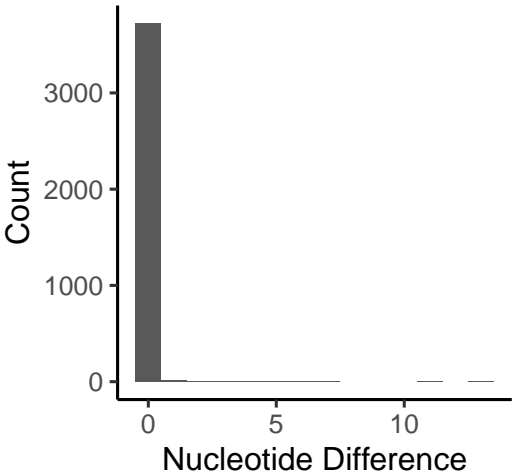
TRBV9*ap01

11069 sequences assigned
11018 (99.5%) exact matches, in which:
10962 unique CDR3
13 unique J



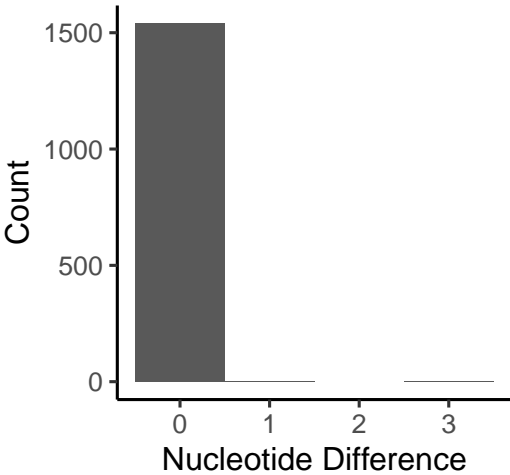
TRBV21-1*ap01

3755 sequences assigned
3722 (99.1%) exact matches, in which:
3707 unique CDR3
13 unique J



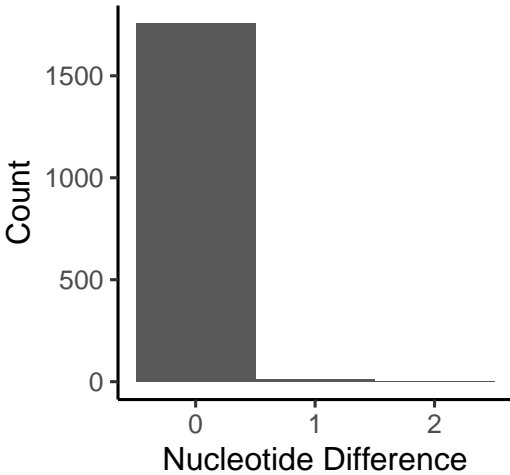
TRBV11-3*ap01

1545 sequences assigned
1540 (99.7%) exact matches, in which:
1539 unique CDR3
13 unique J



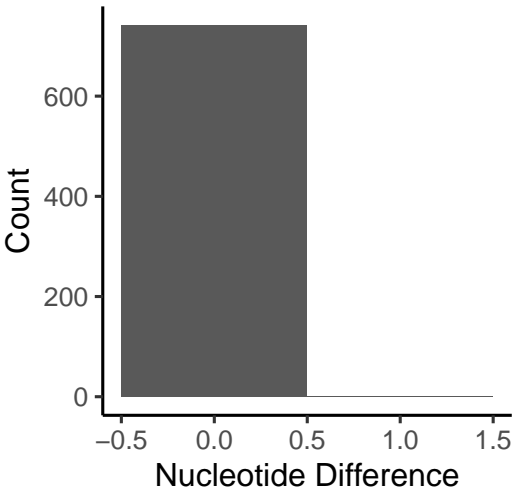
TRBV12-5*ap01

1768 sequences assigned
1757 (99.4%) exact matches, in which:
1743 unique CDR3
13 unique J



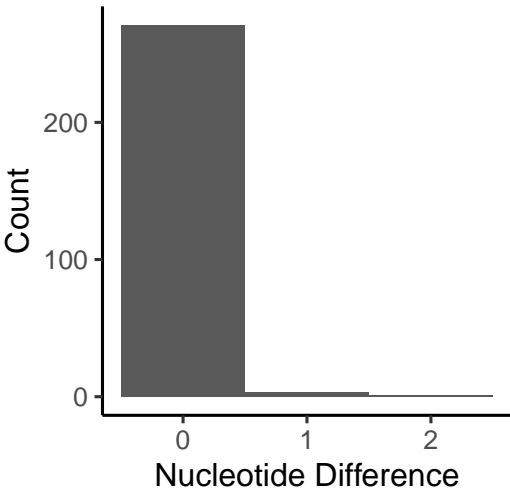
TRBV11-1*ap01

743 sequences assigned
742 (99.9%) exact matches, in which:
741 unique CDR3
13 unique J



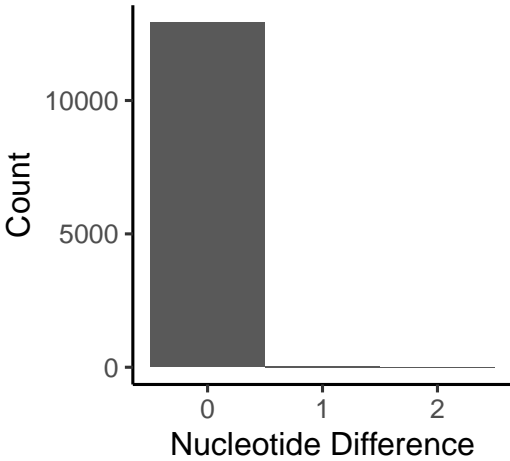
TRBV12-1*ap01

275 sequences assigned
271 (98.5%) exact matches, in which:
271 unique CDR3
13 unique J



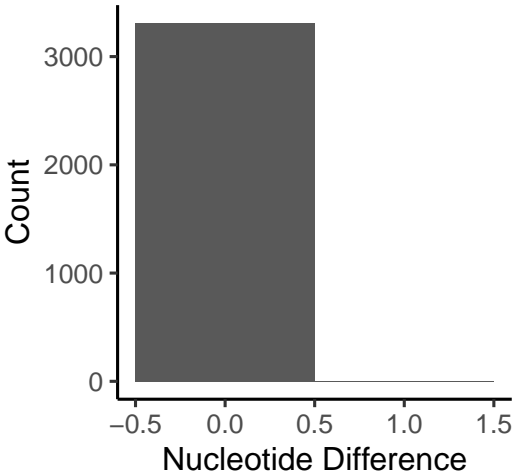
TRBV12-34*ap01

12982 sequences assigned
12926 (99.6%) exact matches, in which:
12837 unique CDR3
13 unique J



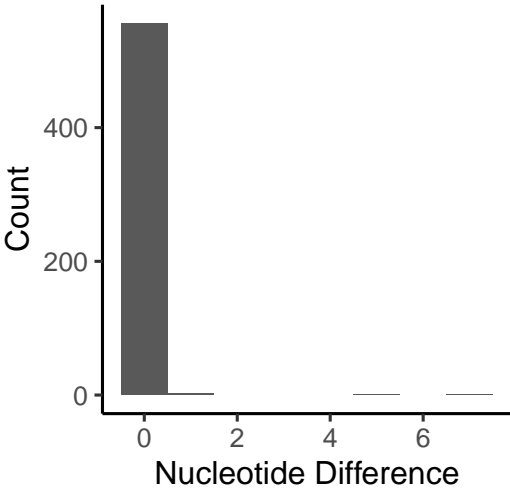
TRBV11-2*ap01

3313 sequences assigned
3310 (99.9%) exact matches, in which:
3304 unique CDR3
13 unique J



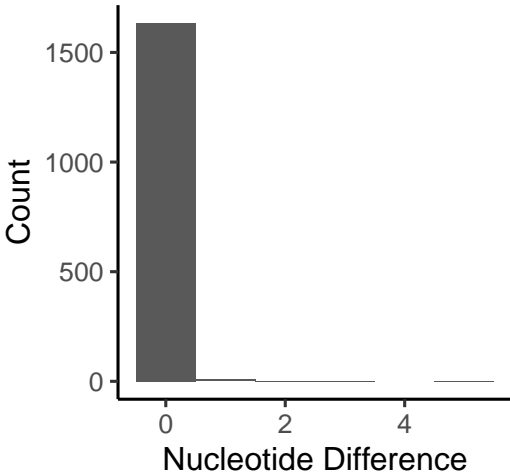
TRBV12-2*ap01

561 sequences assigned
556 (99.1%) exact matches, in which:
552 unique CDR3
13 unique J



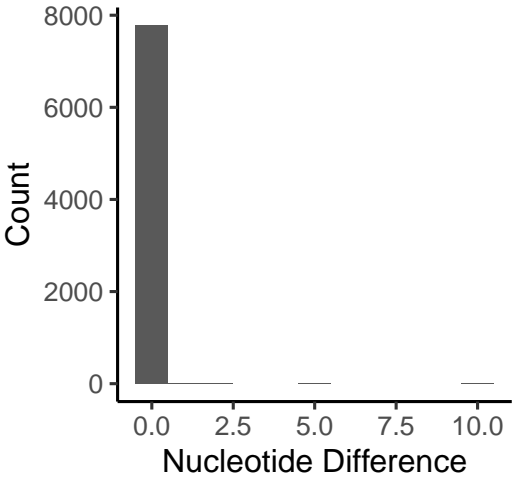
TRBV23-1*ap01

1645 sequences assigned
1634 (99.3%) exact matches, in which:
1627 unique CDR3
13 unique J



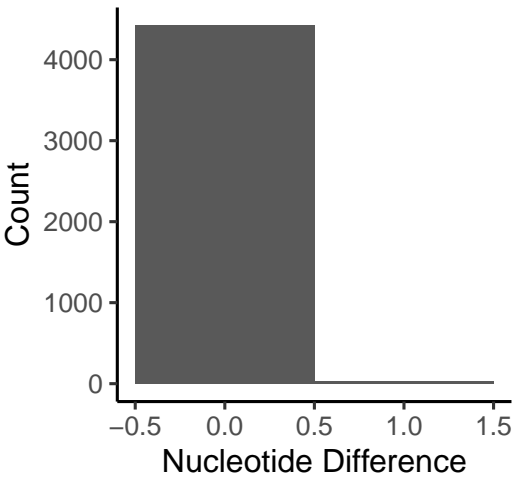
TRBV3-12*ap01

7804 sequences assigned
7779 (99.7%) exact matches, in which:
7748 unique CDR3
14 unique J



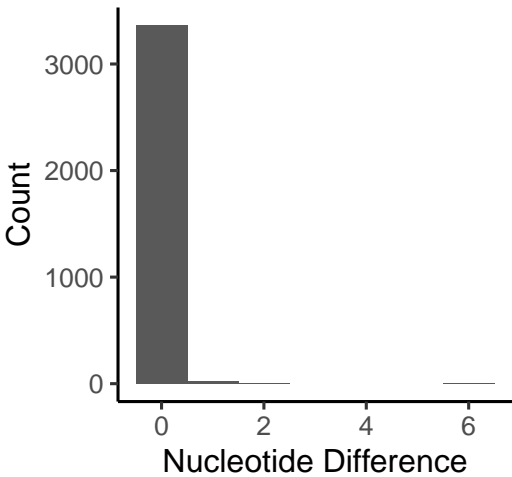
TRBV4-2*ap01

4453 sequences assigned
4423 (99.3%) exact matches, in which:
4373 unique CDR3
13 unique J



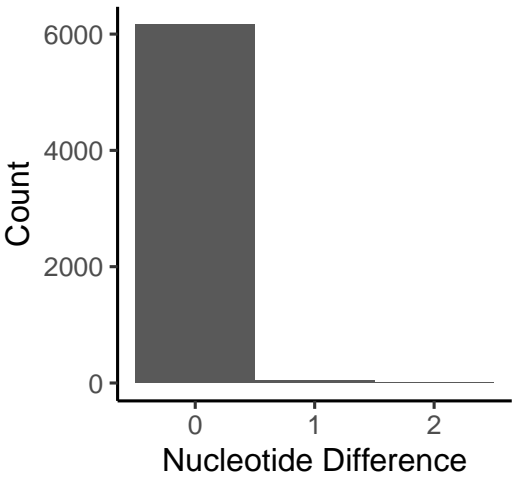
TRBV25-1*ap01

3389 sequences assigned
3362 (99.2%) exact matches, in which:
3301 unique CDR3
13 unique J



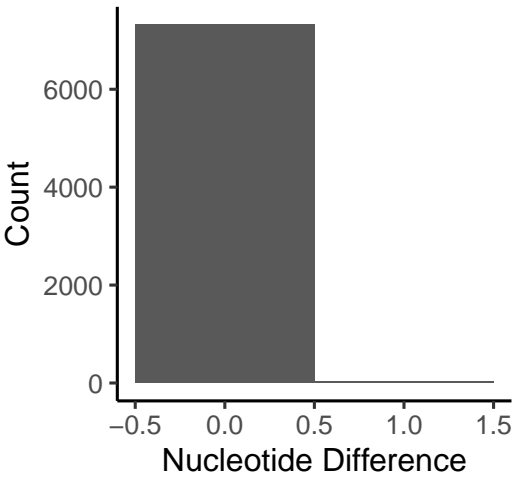
TRBV4-1*ap01

6210 sequences assigned
6161 (99.2%) exact matches, in which:
6072 unique CDR3
13 unique J



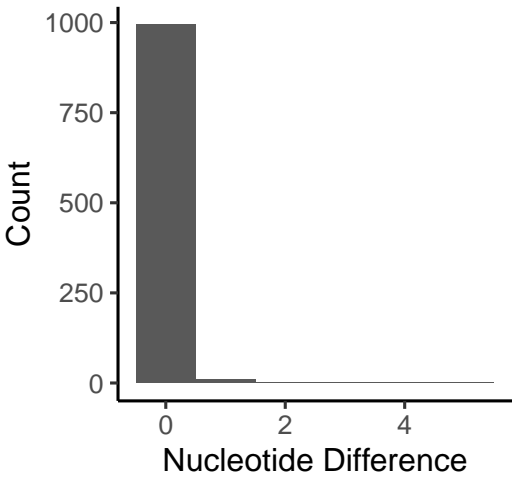
TRBV4-3*ap01

7358 sequences assigned
7318 (99.5%) exact matches, in which:
7228 unique CDR3
13 unique J



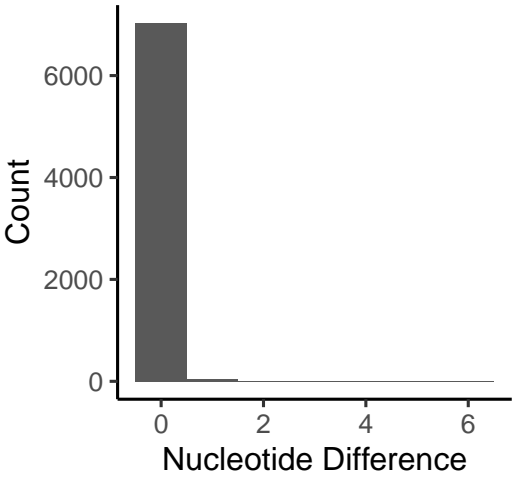
TRBV5-3*ap01

1009 sequences assigned
994 (98.5%) exact matches, in which:
985 unique CDR3
13 unique J



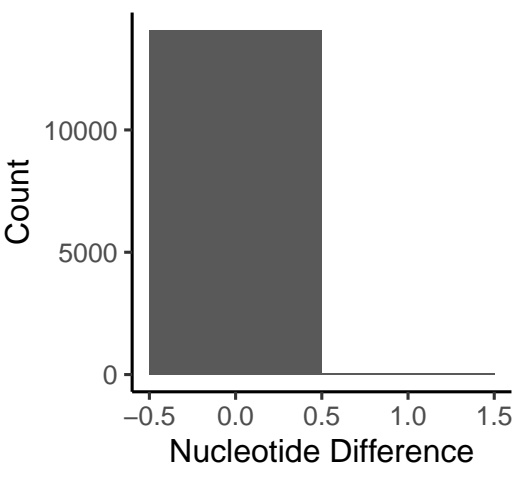
TRBV24-1*ap01

7084 sequences assigned
7031 (99.3%) exact matches, in which:
6959 unique CDR3
13 unique J



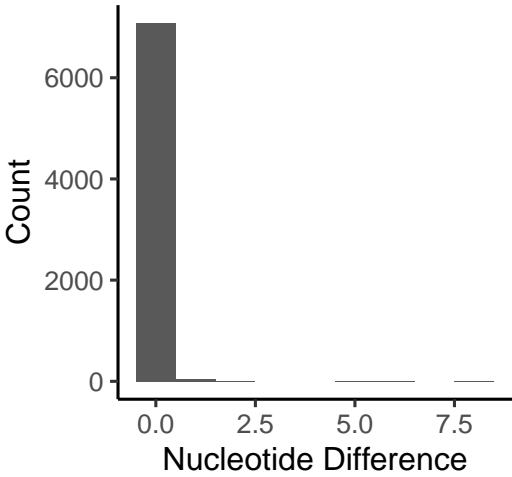
TRBV5-1*ap01

14160 sequences assigned
14094 (99.5%) exact matches, in which:
13911 unique CDR3
13 unique J



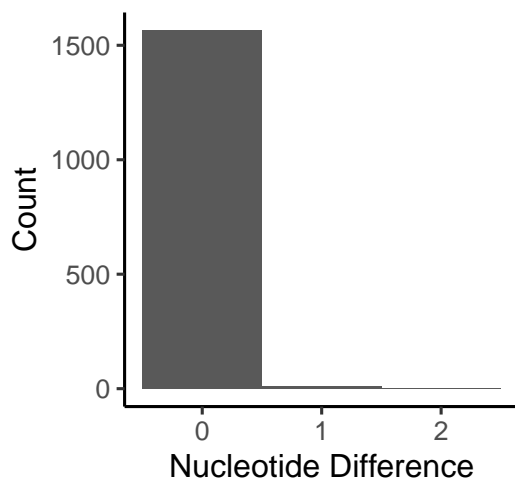
TRBV5-4*ap01

7130 sequences assigned
7081 (99.3%) exact matches, in which:
7004 unique CDR3
13 unique J



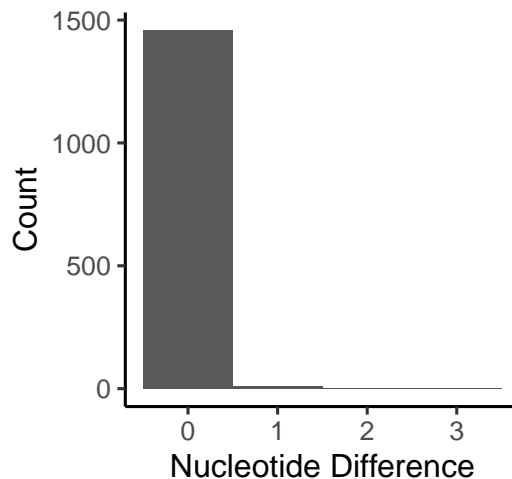
TRBV5-5*ap01

1577 sequences assigned
1565 (99.2%) exact matches, in which:
1563 unique CDR3
13 unique J



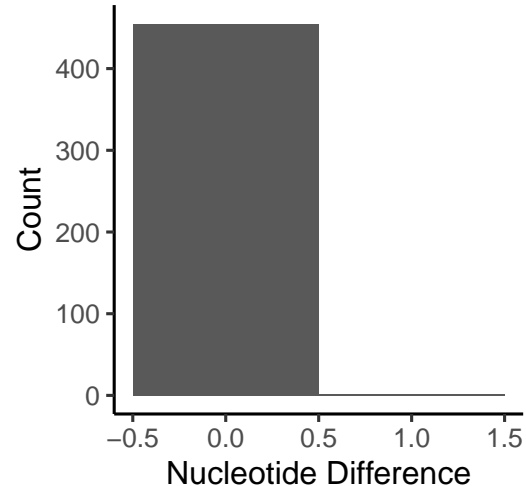
TRBV5-8*ap01

1470 sequences assigned
1458 (99.2%) exact matches, in which:
1449 unique CDR3
13 unique J



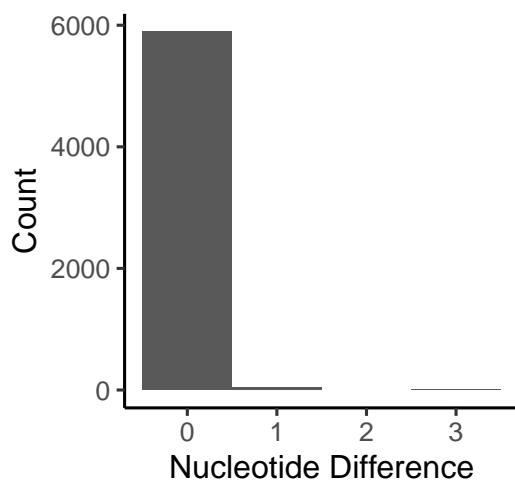
TRBV6-7*ap01

457 sequences assigned
455 (99.6%) exact matches, in which:
447 unique CDR3
13 unique J



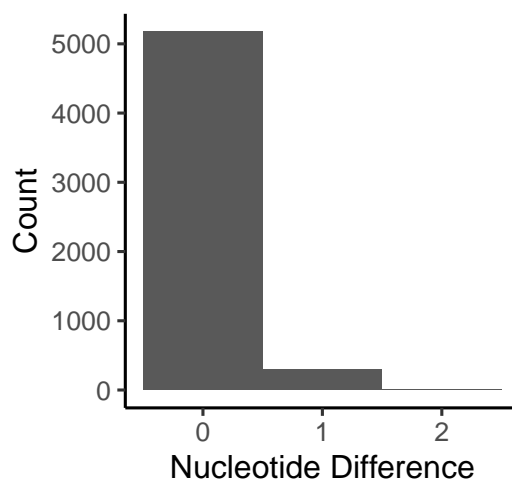
TRBV5-6*ap01

5930 sequences assigned
5893 (99.4%) exact matches, in which:
5750 unique CDR3
13 unique J



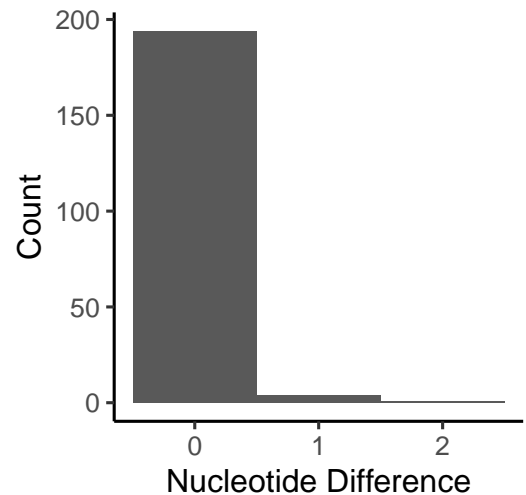
TRBV6-1*ap01

5477 sequences assigned
5175 (94.5%) exact matches, in which:
5118 unique CDR3
13 unique J



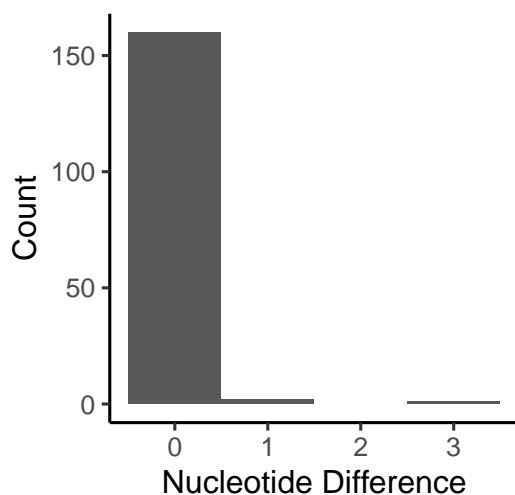
TRBV6-8*ap01

199 sequences assigned
194 (97.5%) exact matches, in which:
191 unique CDR3
13 unique J



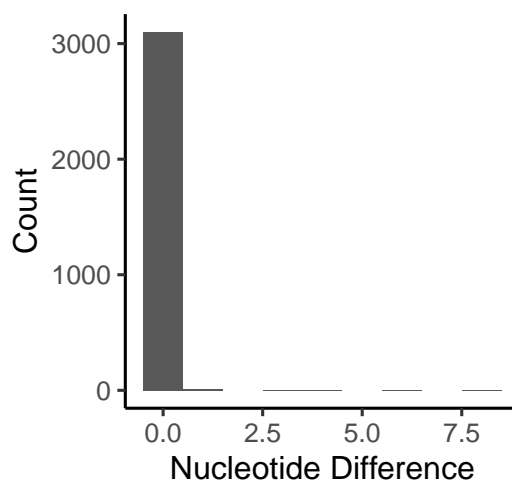
TRBV5-7*ap01

163 sequences assigned
160 (98.2%) exact matches, in which:
152 unique CDR3
13 unique J



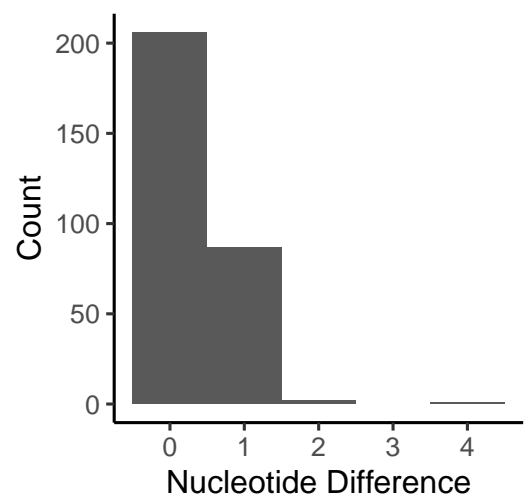
TRBV6-4*ap01

3118 sequences assigned
3100 (99.4%) exact matches, in which:
3078 unique CDR3
13 unique J



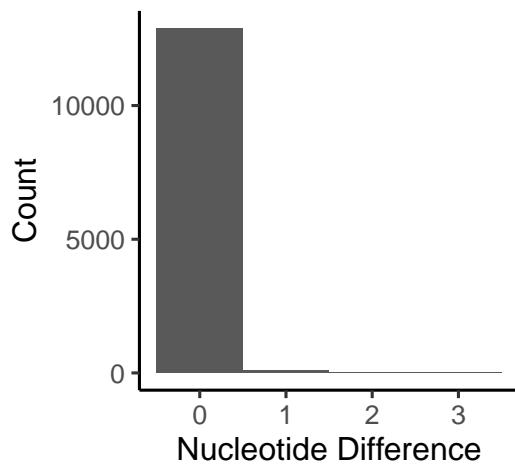
TRBV6-9*ap01

296 sequences assigned
206 (69.6%) exact matches, in which:
201 unique CDR3
13 unique J



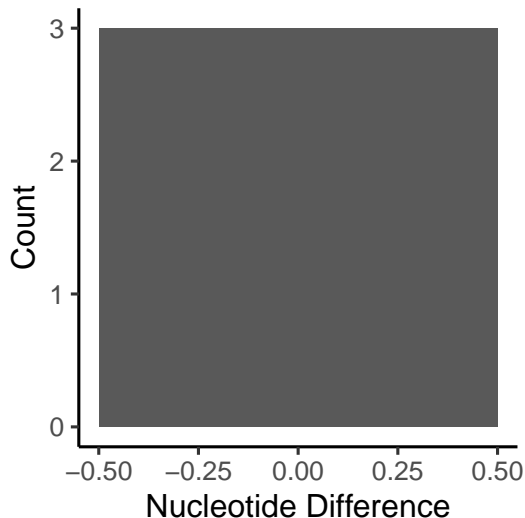
TRBV6-23*ap01

12992 sequences assigned
12895 (99.3%) exact matches, in which:
12669 unique CDR3
13 unique J



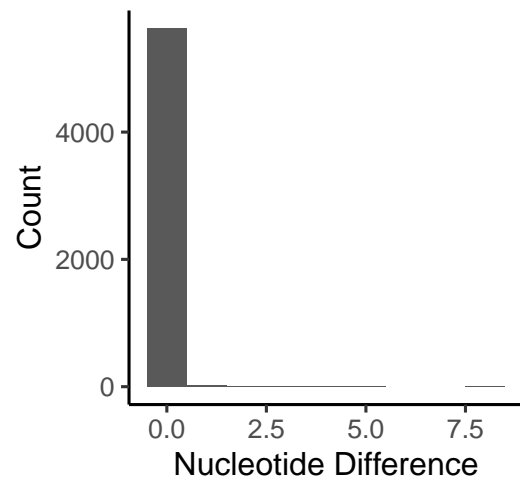
TRBV7-1*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
1 unique J



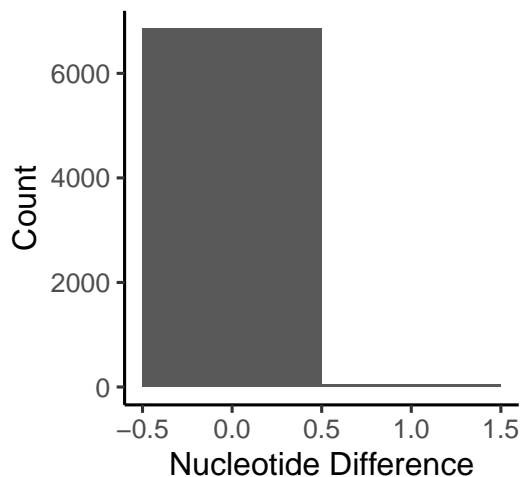
TRBV7-3*ap01

5659 sequences assigned
5629 (99.5%) exact matches, in which:
5603 unique CDR3
13 unique J



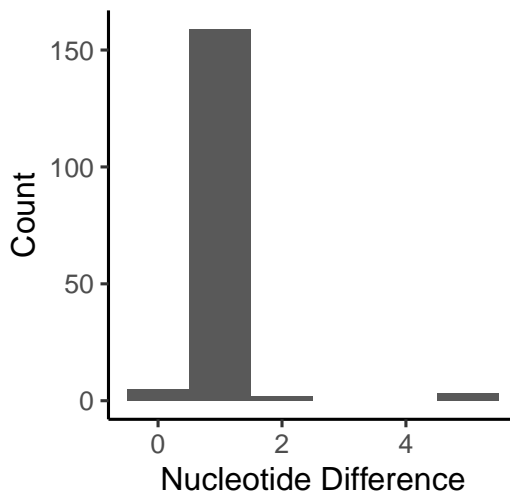
TRBV6-56*ap01

6901 sequences assigned
6854 (99.3%) exact matches, in which:
6746 unique CDR3
13 unique J



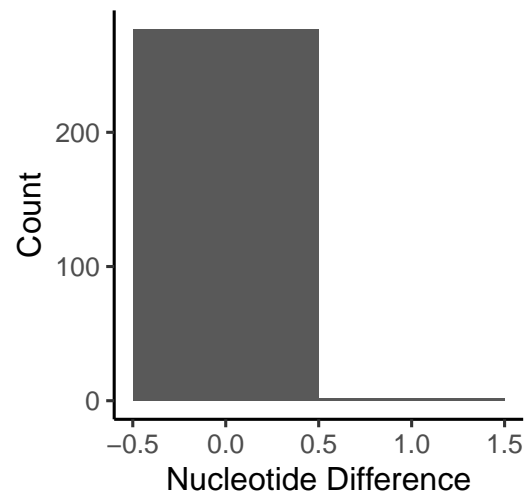
TRBV7-1*ap01_T296C_(

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



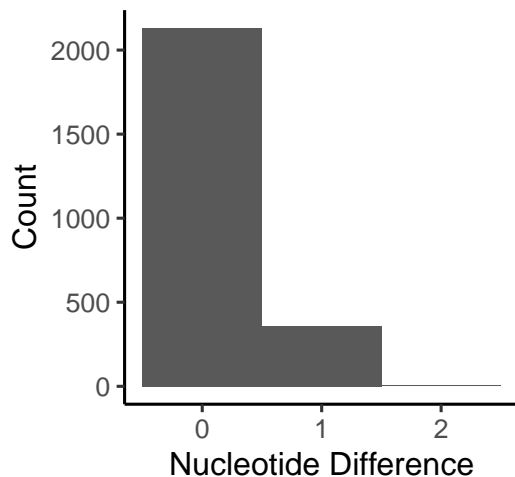
TRBV7-4*ap01

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



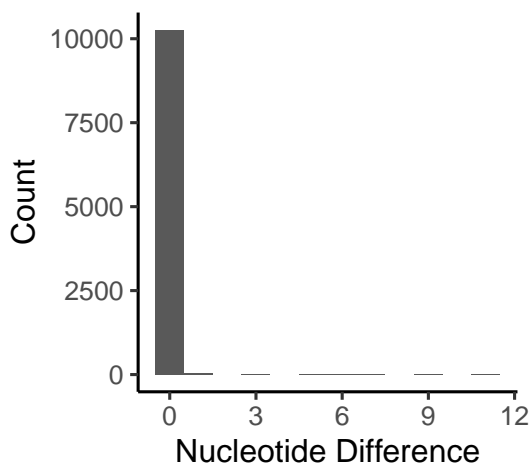
TRBV6-56*ap02

2495 sequences assigned
2131 (85.4%) exact matches, in which:
2098 unique CDR3
13 unique J



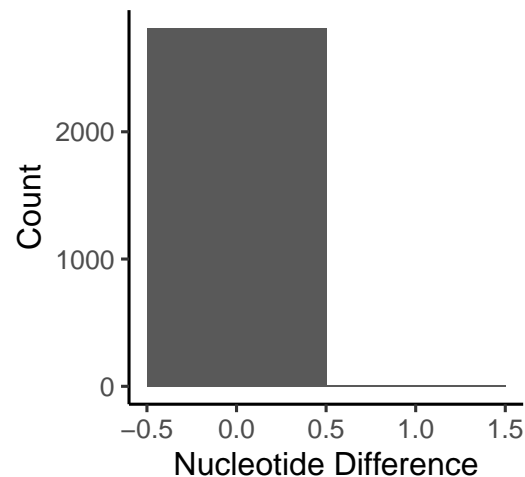
TRBV7-2*ap01

10310 sequences assigned
10266 (99.6%) exact matches, in which:
10193 unique CDR3
13 unique J



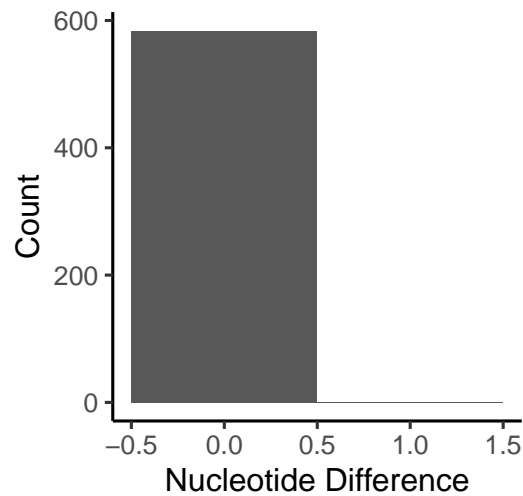
TRBV7-6*ap01

2823 sequences assigned
2815 (99.7%) exact matches, in which:
2791 unique CDR3
13 unique J



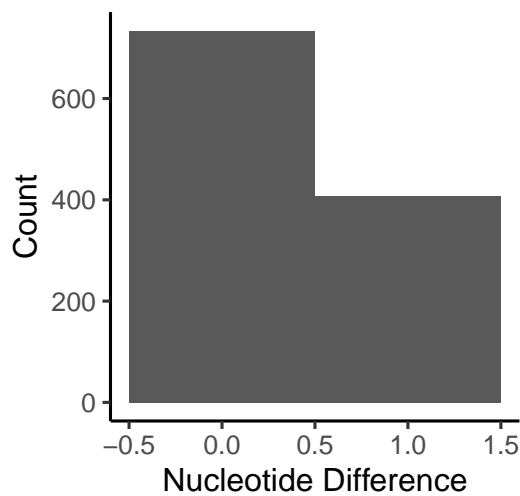
TRBV7-7*ap01

585 sequences assigned
584 (99.8%) exact matches, in which:
582 unique CDR3
13 unique J



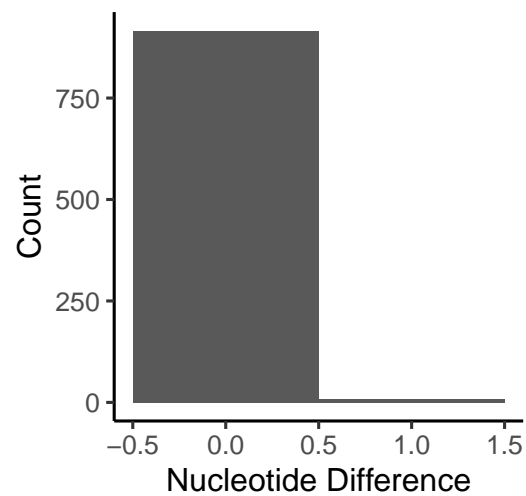
TRBV7-8*ap03

1141 sequences assigned
734 (64.3%) exact matches, in which:
731 unique CDR3
13 unique J



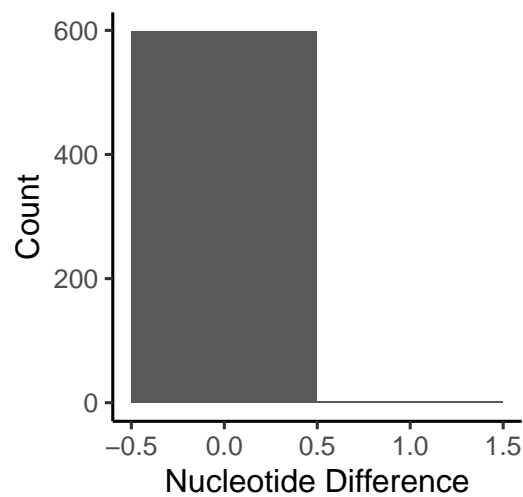
TRBV29-1*ap02

924 sequences assigned
916 (99.1%) exact matches, in which:
893 unique CDR3
13 unique J



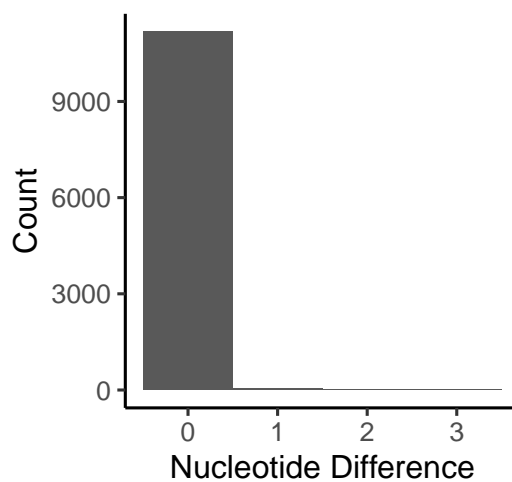
TRBV7-7*ap01_C315T

602 sequences assigned
599 (99.5%) exact matches, in which:
593 unique CDR3
13 unique J



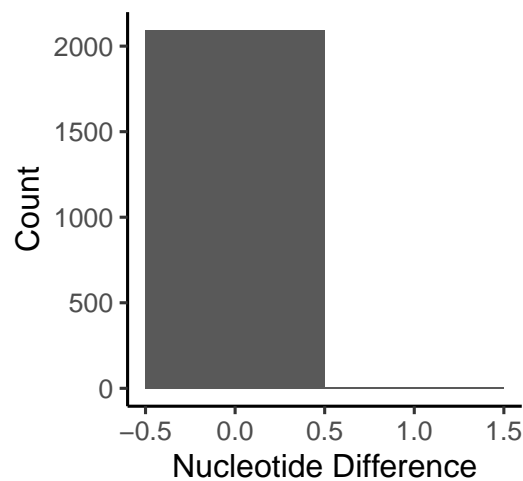
TRBV7-9*ap01

11212 sequences assigned
11175 (99.7%) exact matches, in which:
11094 unique CDR3
13 unique J



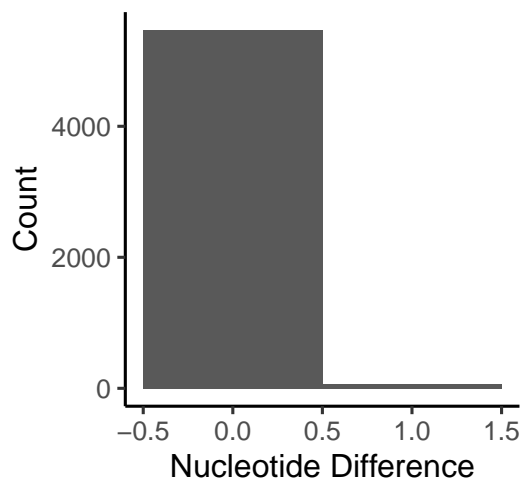
TRBV7-8*ap01

2100 sequences assigned
2094 (99.7%) exact matches, in which:
2085 unique CDR3
13 unique J

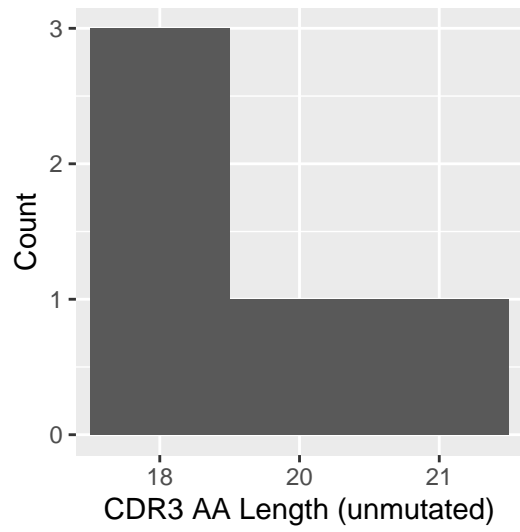


TRBV29-1*ap01

5539 sequences assigned
5469 (98.7%) exact matches, in which:
5340 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T

