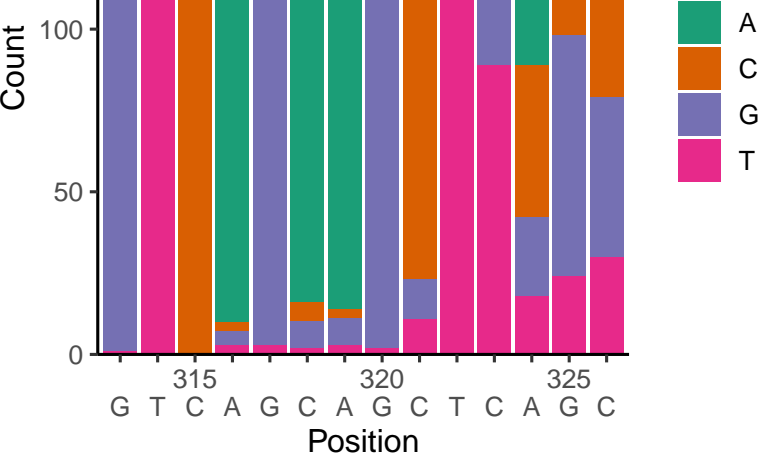


Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C_C314T



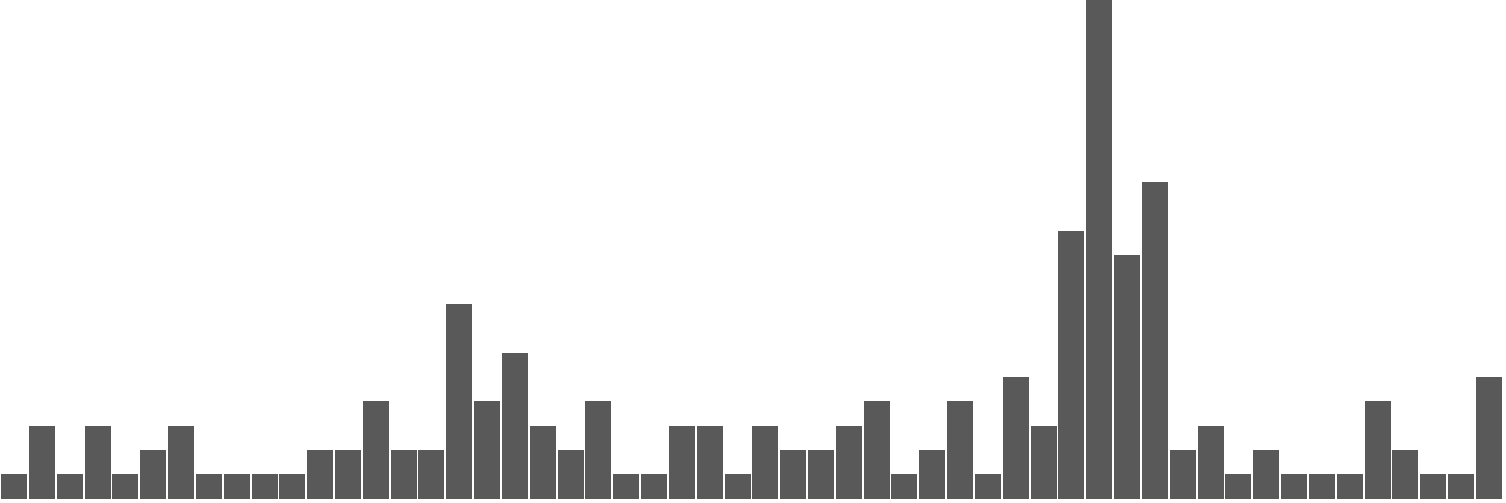
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

Count

20
15
10
5
0

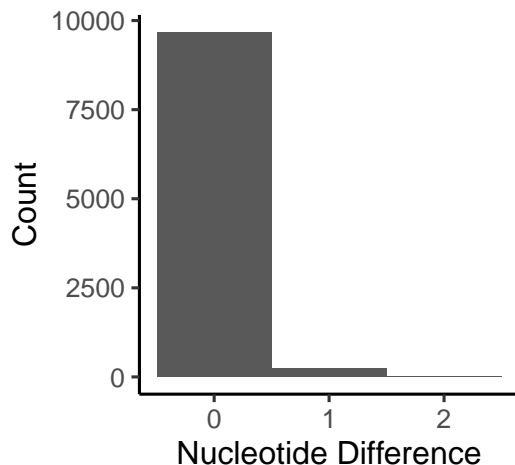
Triplet

TTA TCC TCA TCG TAT TAA TAG TGT TGC TGA TGG CTT CTC CTA CTG CCT CCC CCA CCG CAC CAA CAG CGT CGC CGA CGG ATT ATC ATA ATG ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTA GCT GCC GCA GCG GAT GAC GAA GAG GGC GGG



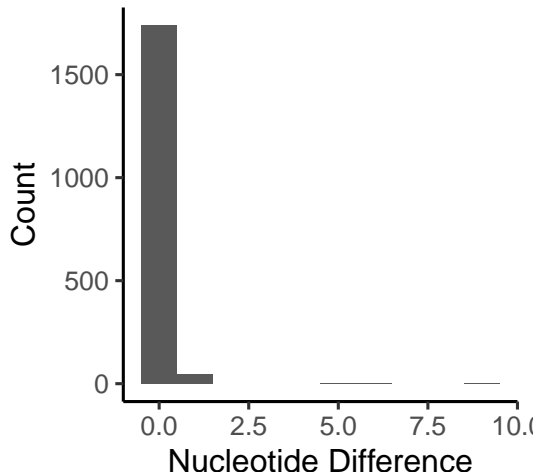
TRBV20-1*ap01

9914 sequences assigned
9675 (97.6%) exact matches, in which:
9605 unique CDR3
13 unique J



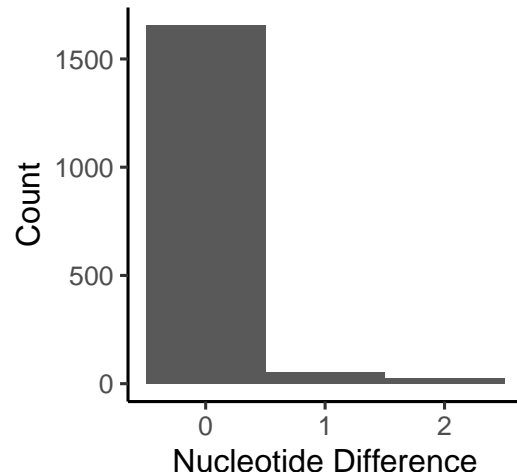
TRBV10-2*ap01

1787 sequences assigned
1739 (97.3%) exact matches, in which:
1733 unique CDR3
13 unique J



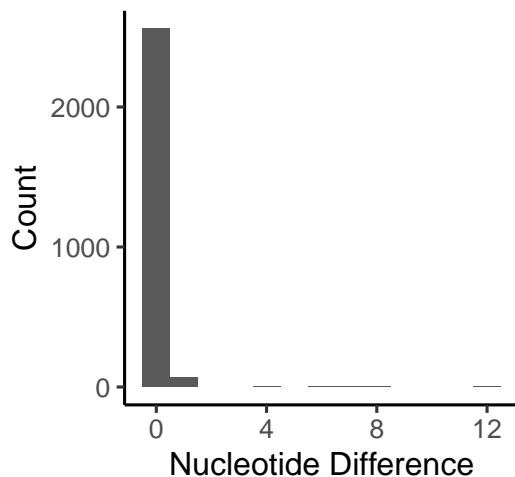
TRBV13*ap01

1732 sequences assigned
1655 (95.6%) exact matches, in which:
1636 unique CDR3
13 unique J



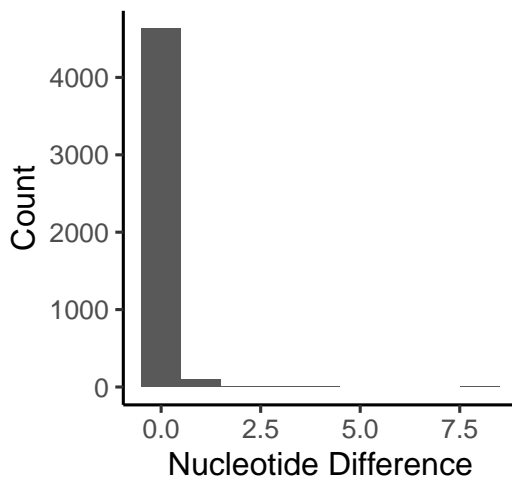
TRBV10-1*ap01

2632 sequences assigned
2559 (97.2%) exact matches, in which:
2547 unique CDR3
13 unique J



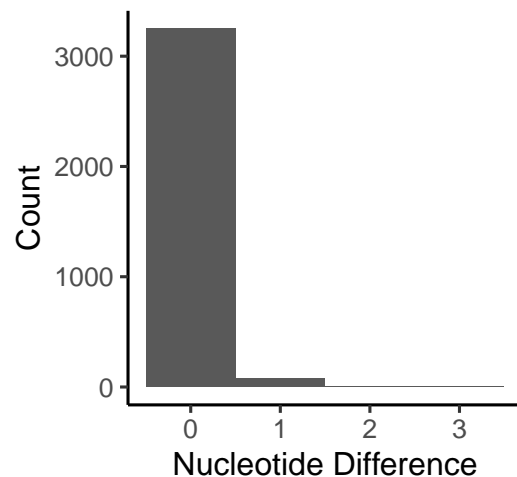
TRBV10-3*ap01

4739 sequences assigned
4629 (97.7%) exact matches, in which:
4591 unique CDR3
13 unique J



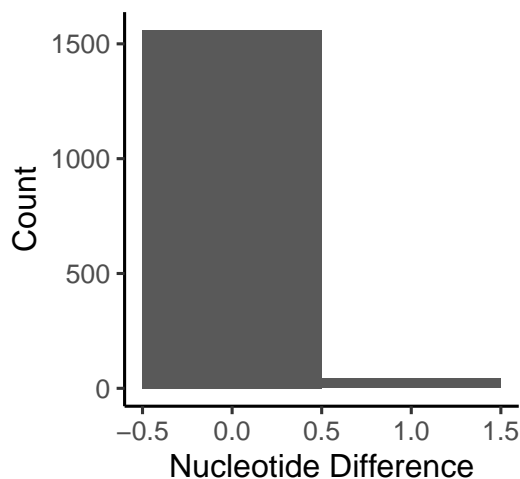
TRBV14*ap01

3333 sequences assigned
3249 (97.5%) exact matches, in which:
3222 unique CDR3
13 unique J



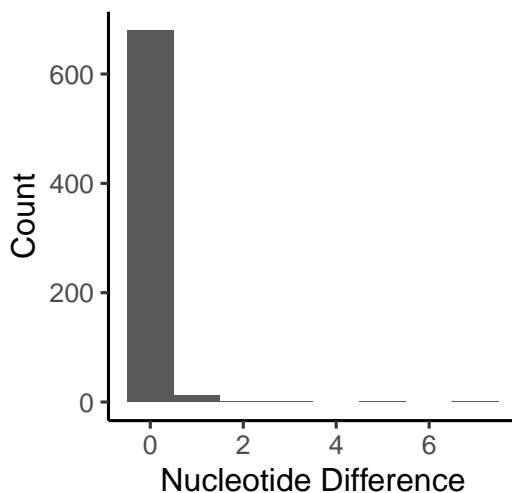
TRBV20-1*ap02

1603 sequences assigned
1560 (97.3%) exact matches, in which:
1548 unique CDR3
13 unique J



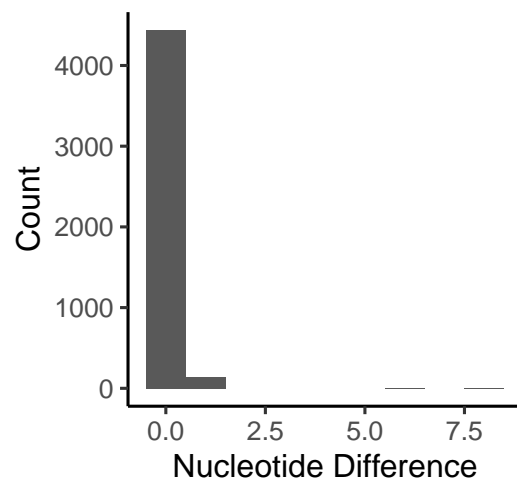
TRBV1*ap01

696 sequences assigned
680 (97.7%) exact matches, in which:
661 unique CDR3
13 unique J



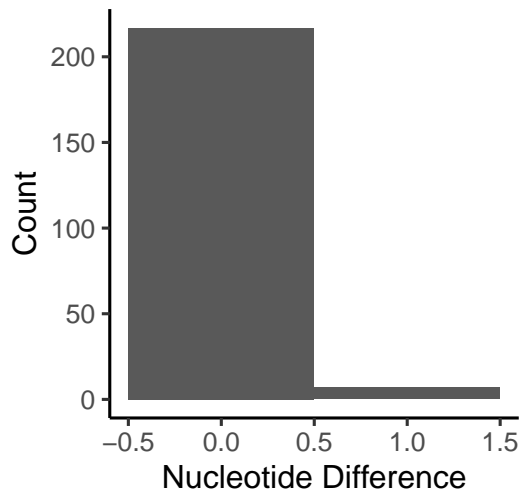
TRBV15*ap02

4584 sequences assigned
4439 (96.8%) exact matches, in which:
4370 unique CDR3
14 unique J



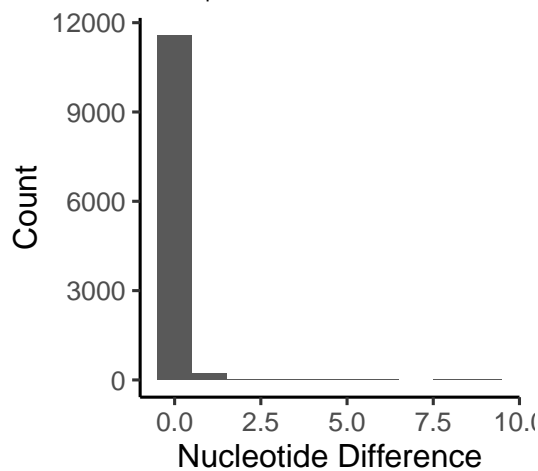
TRBV16*ap01

224 sequences assigned
217 (96.9%) exact matches, in which:
215 unique CDR3
13 unique J



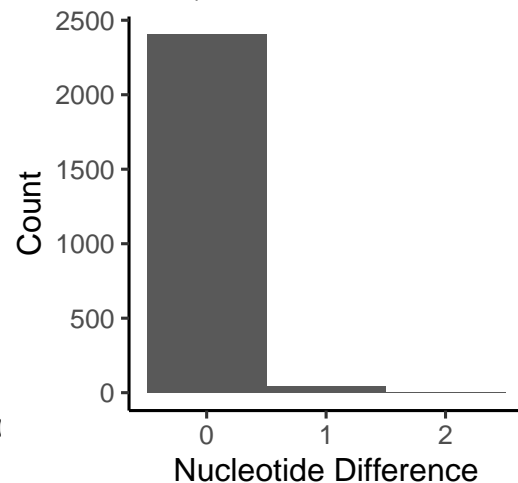
TRBV19*ap01

11817 sequences assigned
11581 (98%) exact matches, in which:
11523 unique CDR3
13 unique J



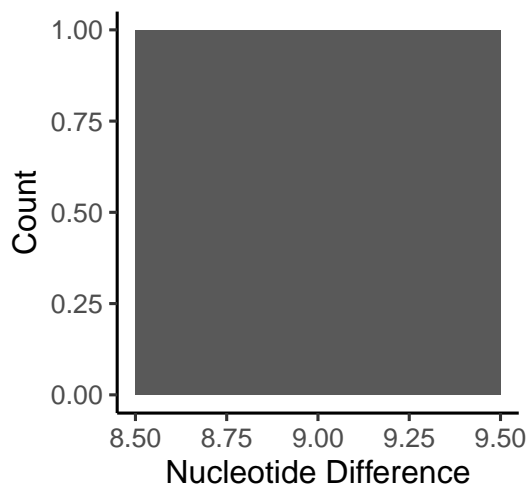
TRBV28*ap01

2452 sequences assigned
2405 (98.1%) exact matches, in which:
2380 unique CDR3
13 unique J



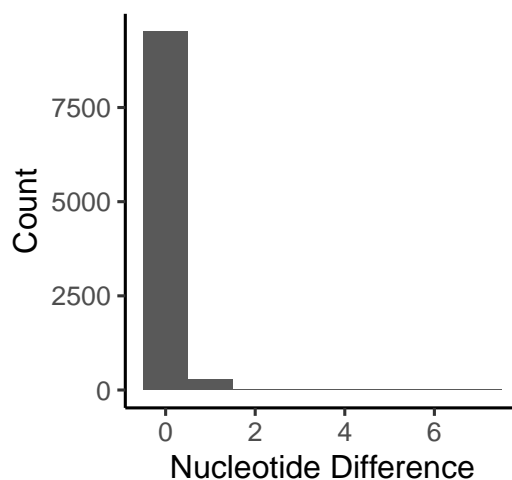
TRBV17*ap01

1 sequences assigned
No exact matches.



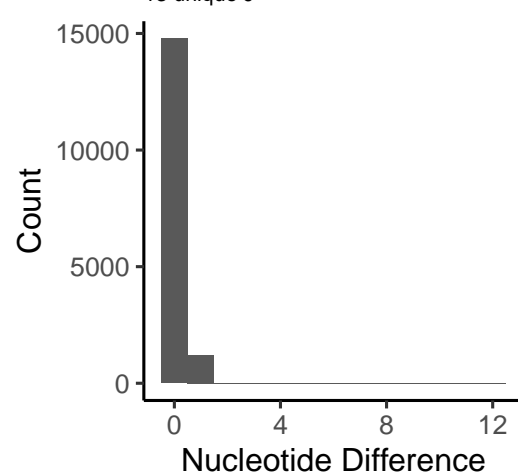
TRBV2*ap01

9812 sequences assigned
9512 (96.9%) exact matches, in which:
9427 unique CDR3
13 unique J



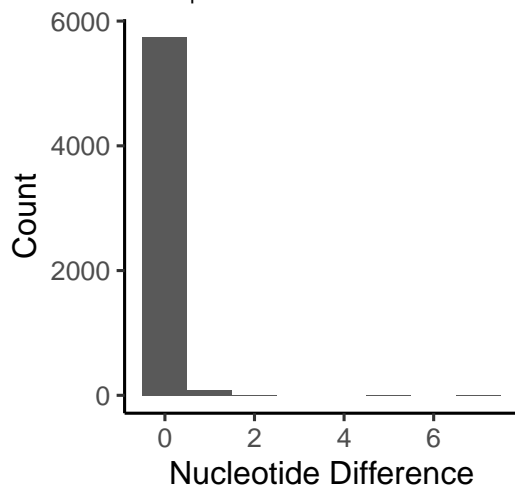
TRBV30*ap01

16026 sequences assigned
14785 (92.3%) exact matches, in which:
14394 unique CDR3
13 unique J



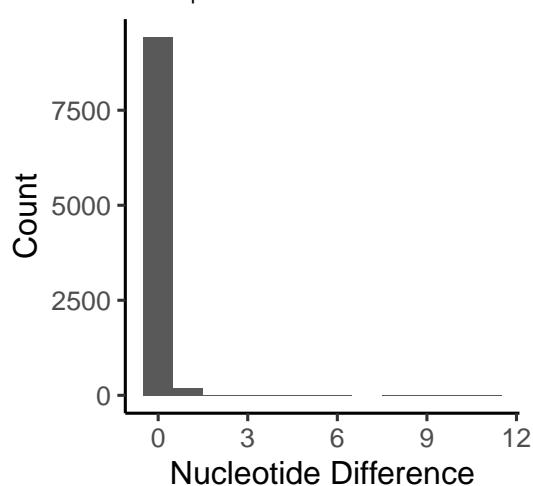
TRBV18*ap01

5831 sequences assigned
5744 (98.5%) exact matches, in which:
5713 unique CDR3
13 unique J



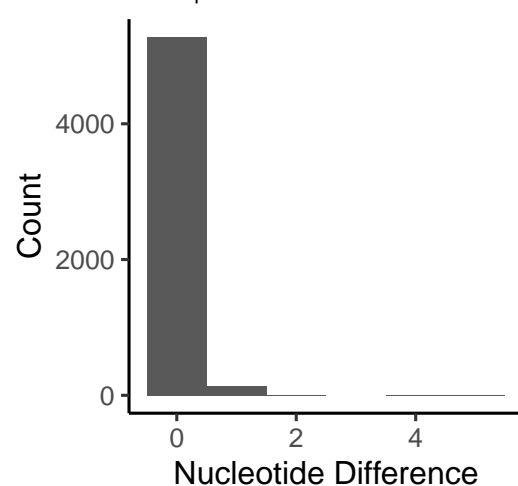
TRBV27*ap01

9653 sequences assigned
9425 (97.6%) exact matches, in which:
9354 unique CDR3
13 unique J



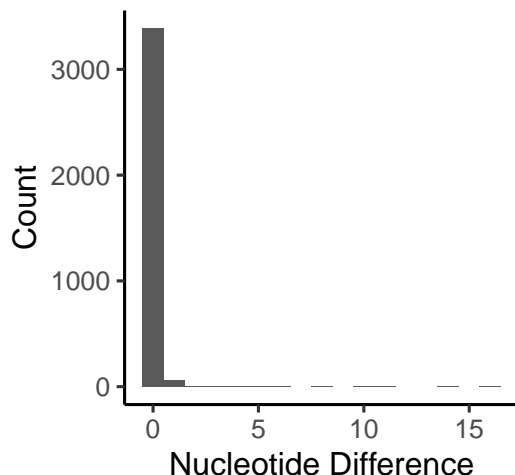
TRBV9*ap01

5417 sequences assigned
5278 (97.4%) exact matches, in which:
5234 unique CDR3
13 unique J



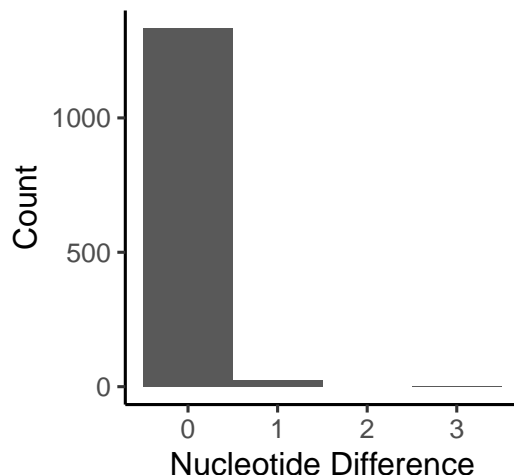
TRBV21-1*ap01

3470 sequences assigned
3387 (97.6%) exact matches, in which:
3369 unique CDR3
13 unique J



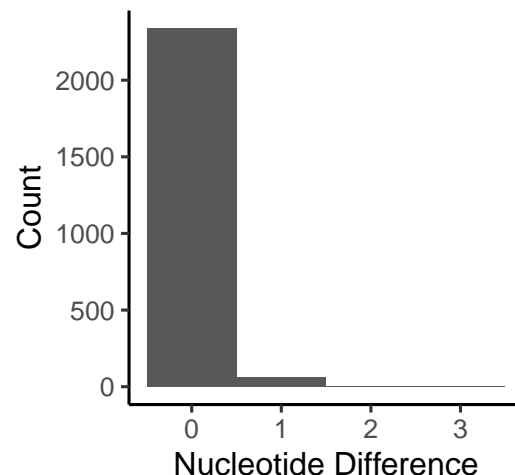
TRBV11-3*ap01

1357 sequences assigned
1333 (98.2%) exact matches, in which:
1323 unique CDR3
13 unique J



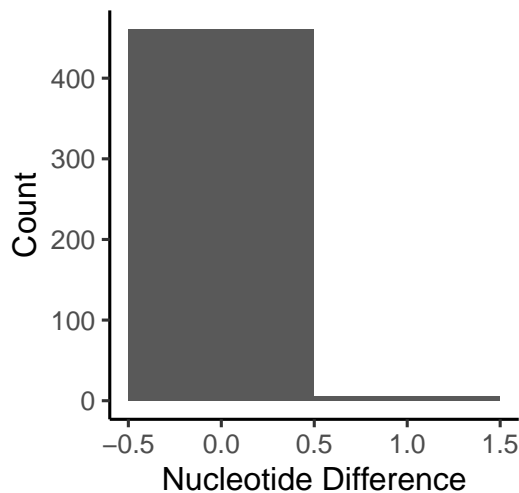
TRBV12-5*ap01

2402 sequences assigned
2338 (97.3%) exact matches, in which:
2320 unique CDR3
13 unique J



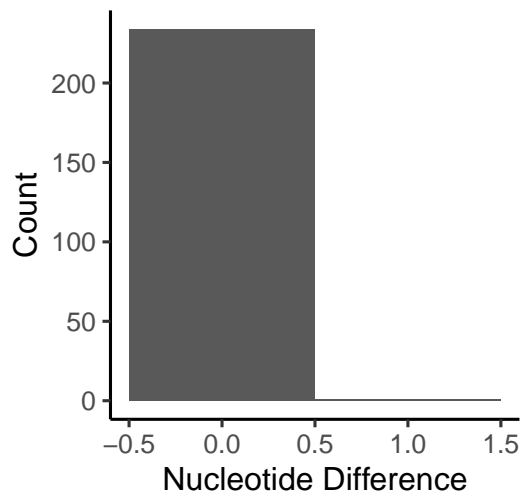
TRBV11-1*ap01

466 sequences assigned
461 (98.9%) exact matches, in which:
459 unique CDR3
12 unique J



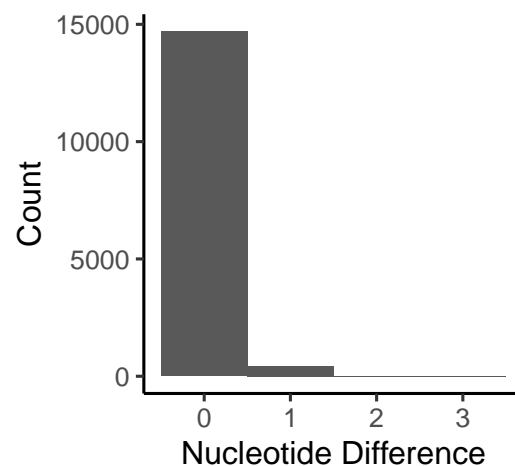
TRBV12-1*ap01

235 sequences assigned
234 (99.6%) exact matches, in which:
231 unique CDR3
12 unique J



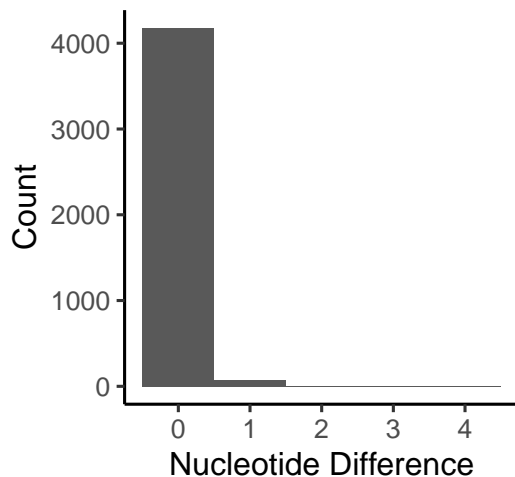
TRBV12-34*ap01

15131 sequences assigned
14696 (97.1%) exact matches, in which:
14554 unique CDR3
13 unique J



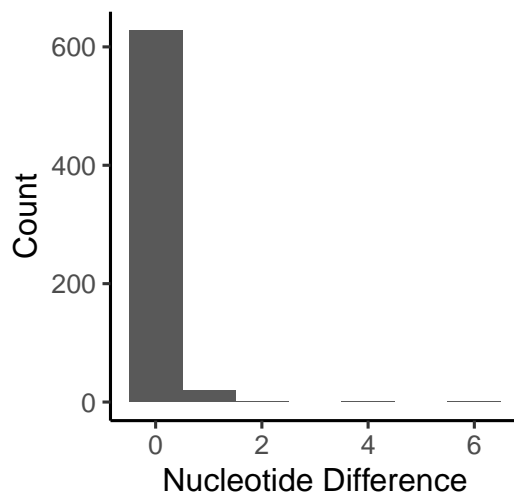
TRBV11-2*ap01

4253 sequences assigned
4177 (98.2%) exact matches, in which:
4163 unique CDR3
13 unique J



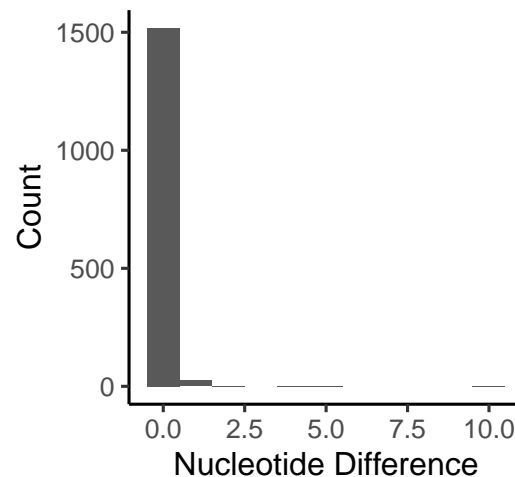
TRBV12-2*ap01

650 sequences assigned
628 (96.6%) exact matches, in which:
620 unique CDR3
12 unique J



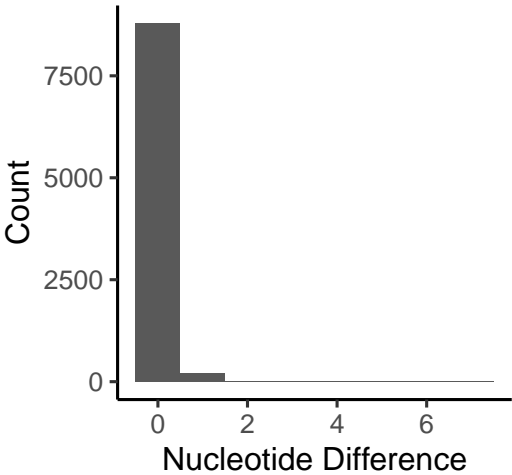
TRBV23-1*ap01

1548 sequences assigned
1518 (98.1%) exact matches, in which:
1510 unique CDR3
13 unique J



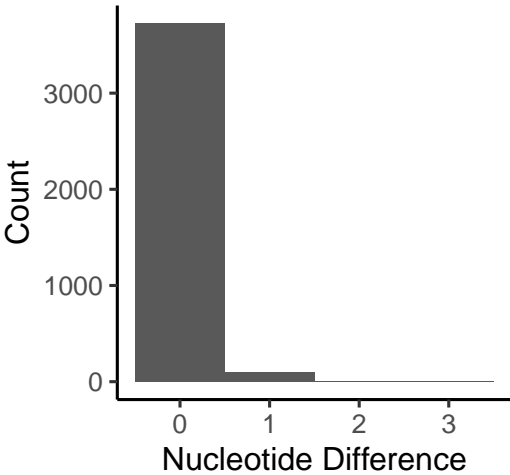
TRBV3-12*ap01

8993 sequences assigned
8785 (97.7%) exact matches, in which:
8738 unique CDR3
13 unique J



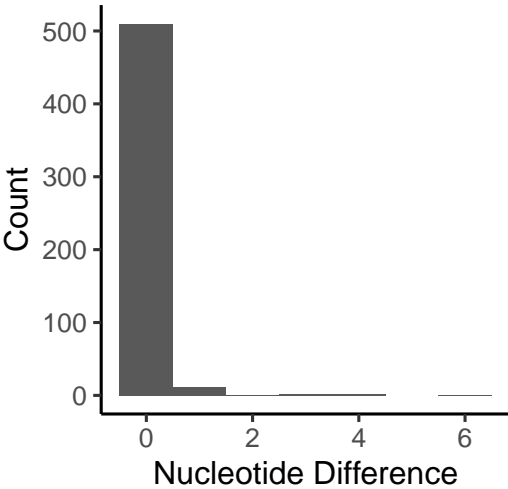
TRBV4-2*ap01

3827 sequences assigned
3725 (97.3%) exact matches, in which:
3640 unique CDR3
13 unique J



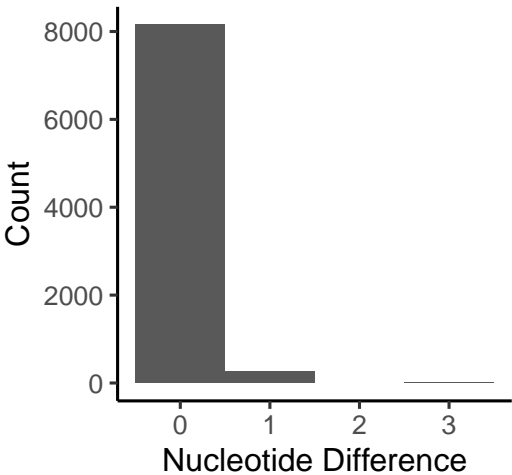
TRBV5-3*ap01

527 sequences assigned
510 (96.8%) exact matches, in which:
508 unique CDR3
12 unique J



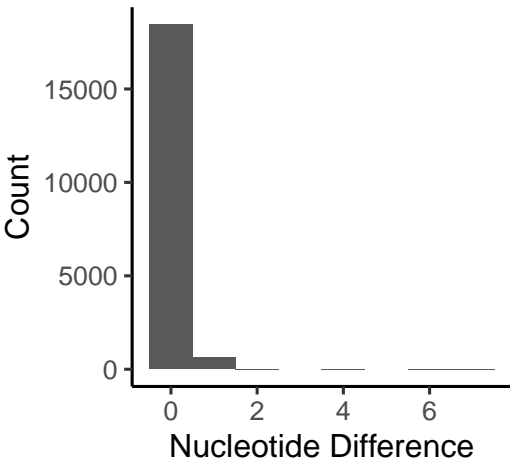
TRBV4-1*ap01

8410 sequences assigned
8154 (97%) exact matches, in which:
8036 unique CDR3
13 unique J



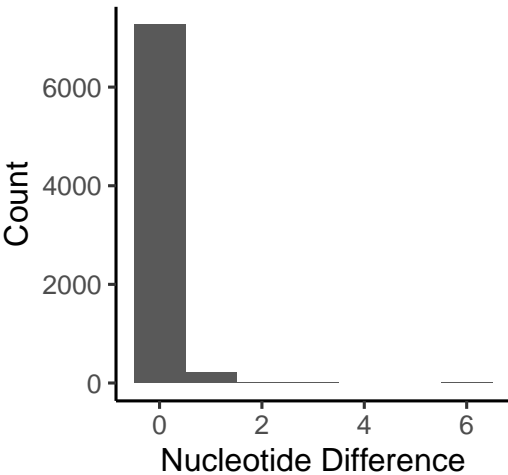
TRBV5-1*ap01

19093 sequences assigned
18453 (96.6%) exact matches, in which:
18262 unique CDR3
13 unique J



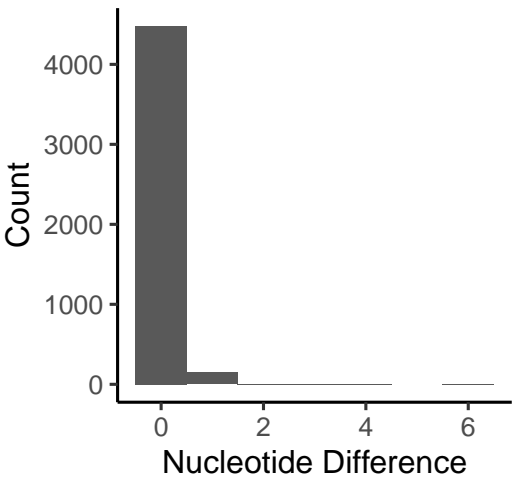
TRBV5-4*ap01

7477 sequences assigned
7265 (97.2%) exact matches, in which:
7173 unique CDR3
13 unique J



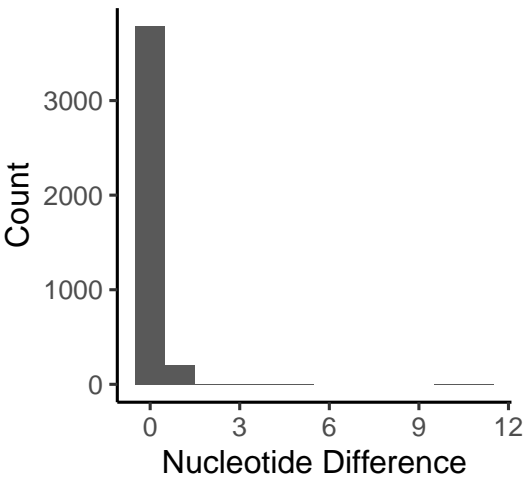
TRBV24-1*ap01

4642 sequences assigned
4479 (96.5%) exact matches, in which:
4424 unique CDR3
13 unique J



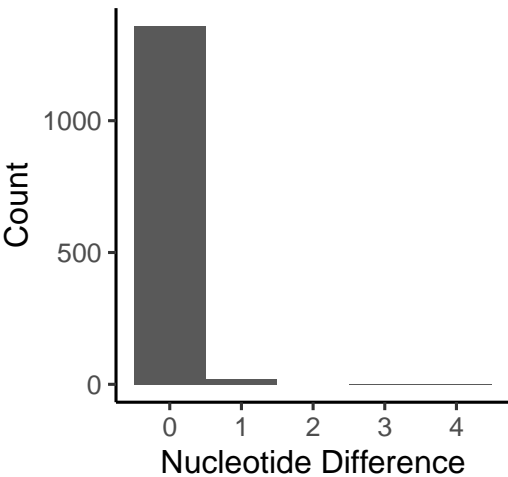
TRBV25-1*ap01

4007 sequences assigned
3788 (94.5%) exact matches, in which:
3728 unique CDR3
13 unique J



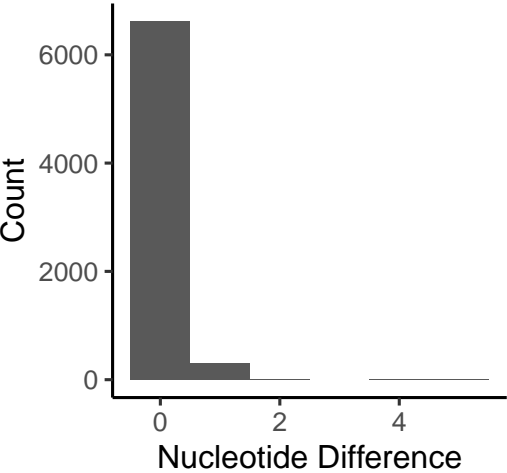
TRBV5-5*ap01

1381 sequences assigned
1359 (98.4%) exact matches, in which:
1351 unique CDR3
13 unique J



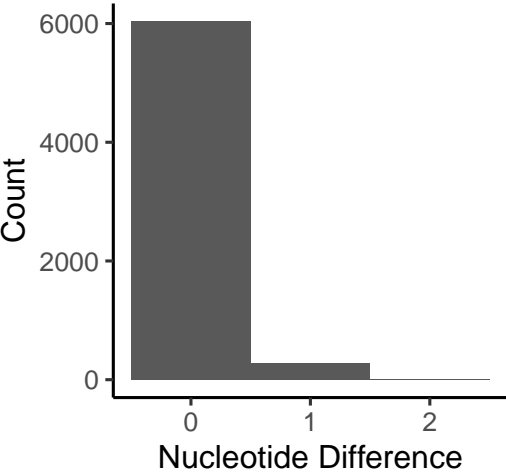
TRBV5-6*ap01

6931 sequences assigned
6617 (95.5%) exact matches, in which:
6487 unique CDR3
13 unique J



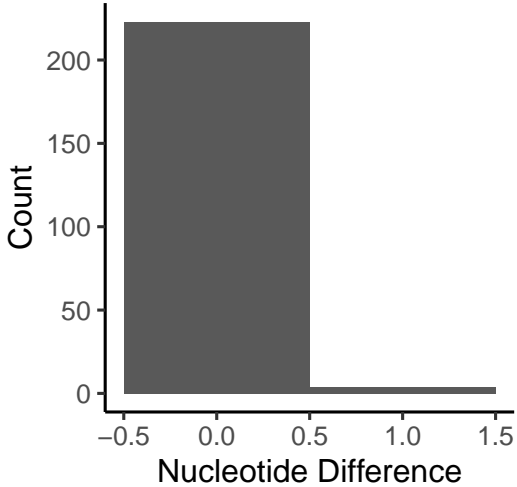
TRBV6-1*ap01

6313 sequences assigned
6036 (95.6%) exact matches, in which:
5964 unique CDR3
13 unique J



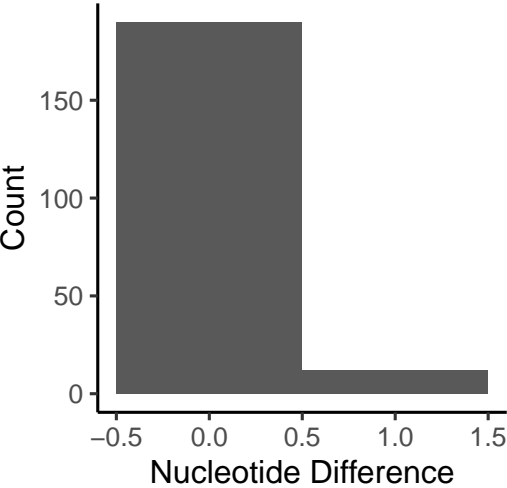
TRBV6-8*ap01

227 sequences assigned
223 (98.2%) exact matches, in which:
220 unique CDR3
13 unique J



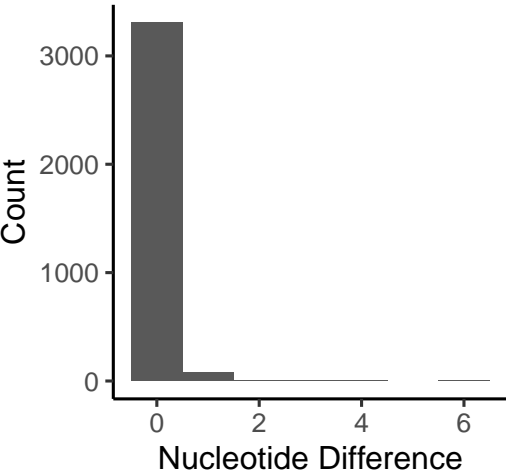
TRBV5-7*ap01

202 sequences assigned
190 (94.1%) exact matches, in which:
186 unique CDR3
13 unique J



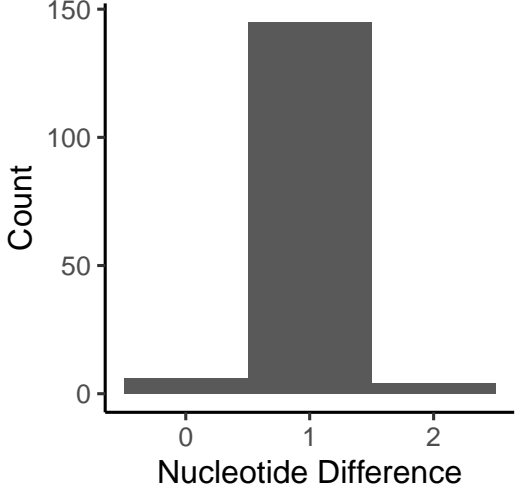
TRBV6-4*ap01

3402 sequences assigned
3306 (97.2%) exact matches, in which:
3285 unique CDR3
13 unique J



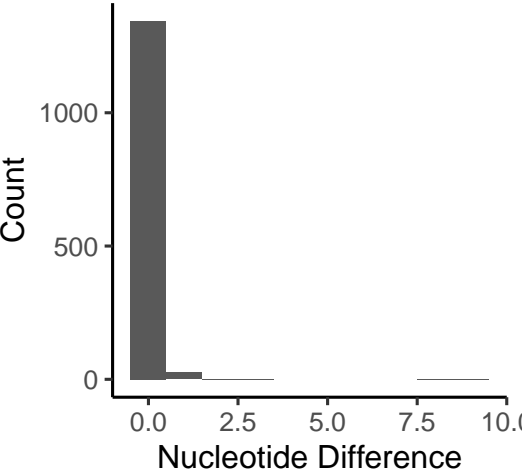
TRBV6-9*ap01

155 sequences assigned
6 (3.9%) exact matches, in which:
6 unique CDR3
5 unique J



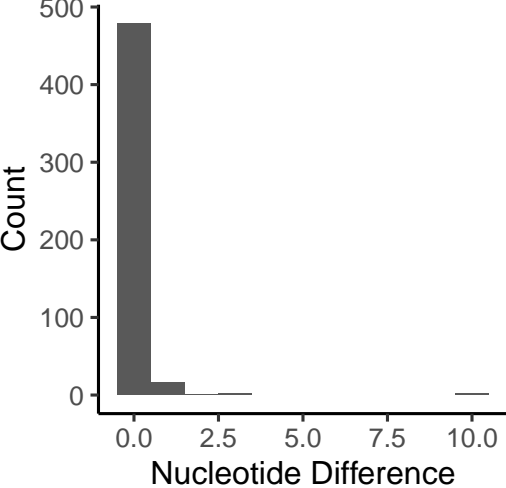
TRBV5-8*ap01

1373 sequences assigned
1344 (97.9%) exact matches, in which:
1335 unique CDR3
13 unique J



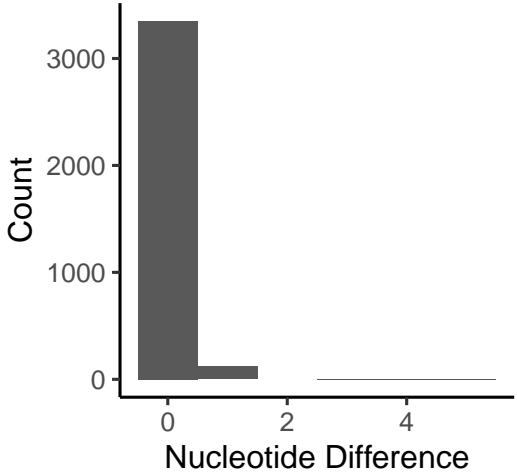
TRBV6-7*ap01

500 sequences assigned
479 (95.8%) exact matches, in which:
477 unique CDR3
13 unique J



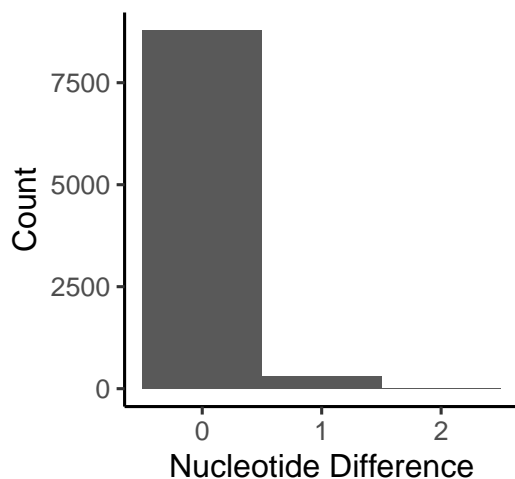
TRBV6-23*ap01

3473 sequences assigned
3350 (96.5%) exact matches, in which:
3305 unique CDR3
13 unique J



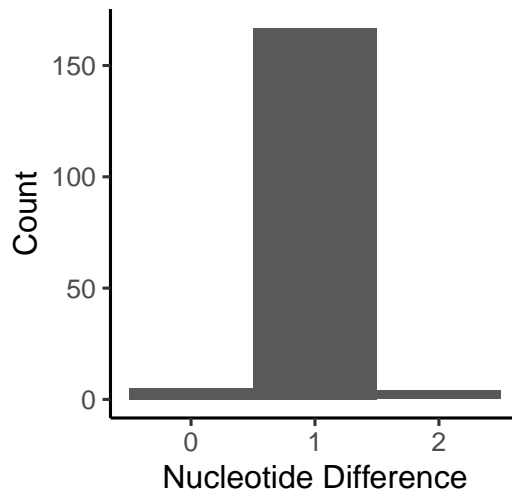
TRBV6-56*ap01

9088 sequences assigned
8782 (96.6%) exact matches, in which:
8642 unique CDR3
13 unique J



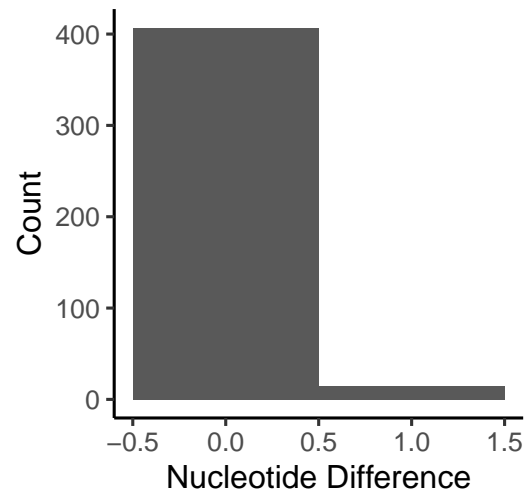
TRBV7-1*ap01_T296C_

176 sequences assigned
5 (2.8%) exact matches, in which:
5 unique CDR3
5 unique J



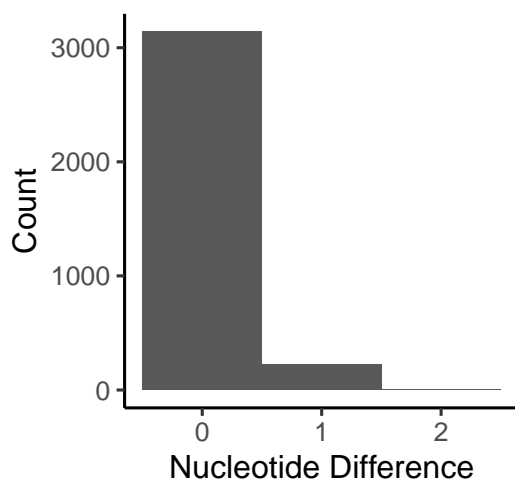
TRBV7-4*ap01

422 sequences assigned
407 (96.4%) exact matches, in which:
397 unique CDR3
12 unique J



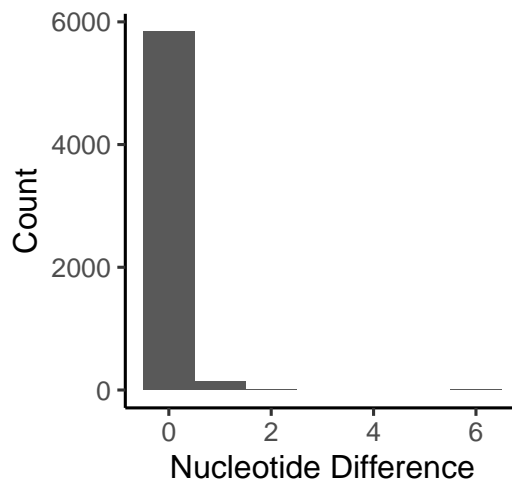
TRBV6-56*ap02

3366 sequences assigned
3140 (93.3%) exact matches, in which:
3105 unique CDR3
13 unique J



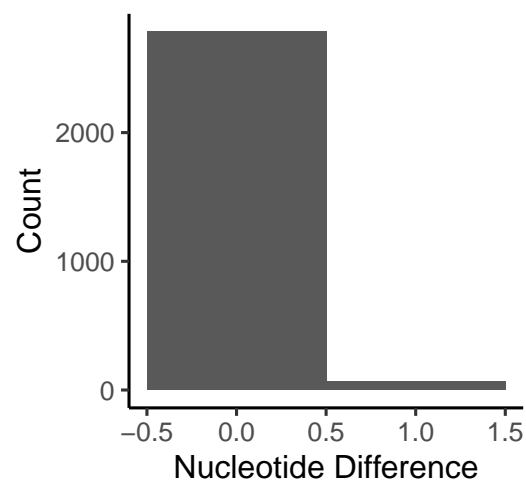
TRBV7-2*ap01

5982 sequences assigned
5839 (97.6%) exact matches, in which:
5791 unique CDR3
13 unique J



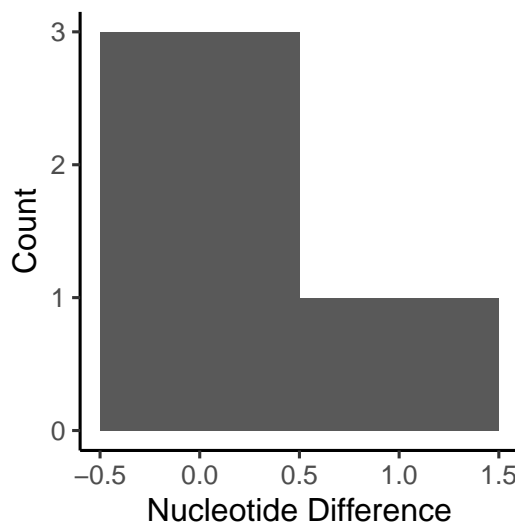
TRBV7-6*ap01

2849 sequences assigned
2784 (97.7%) exact matches, in which:
2752 unique CDR3
13 unique J



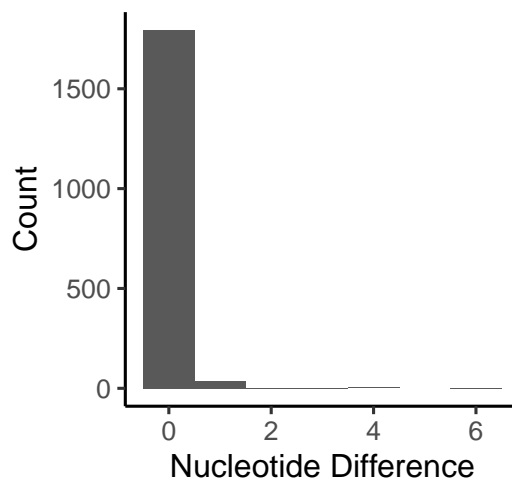
TRBV7-1*ap01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
2 unique J



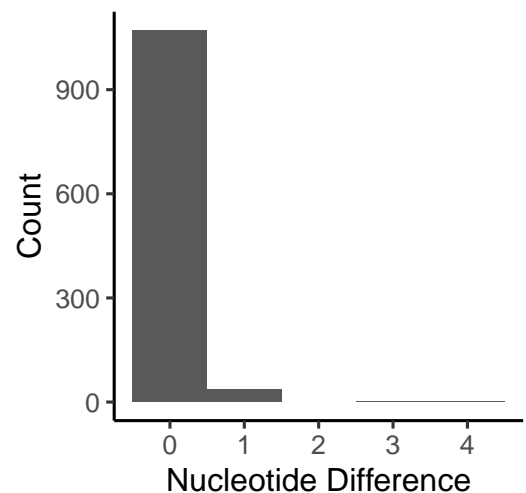
TRBV7-3*ap03

1840 sequences assigned
1794 (97.5%) exact matches, in which:
1779 unique CDR3
13 unique J



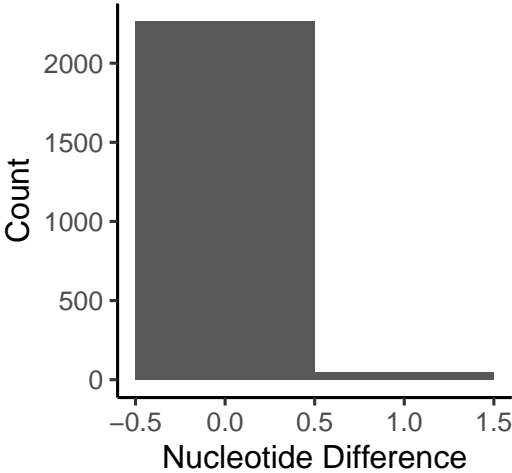
TRBV7-7*ap01

1108 sequences assigned
1071 (96.7%) exact matches, in which:
1058 unique CDR3
13 unique J



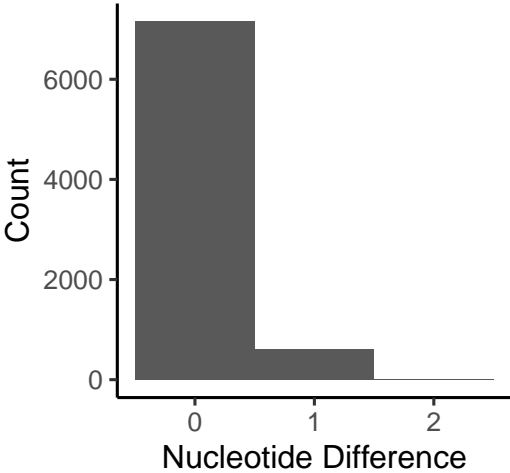
TRBV7-8*ap01

2309 sequences assigned
2264 (98.1%) exact matches, in which:
2245 unique CDR3
13 unique J



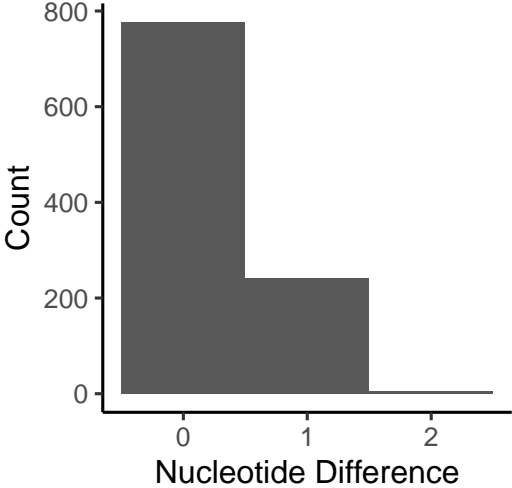
TRBV29-1*ap01

7774 sequences assigned
7156 (92.1%) exact matches, in which:
7055 unique CDR3
13 unique J



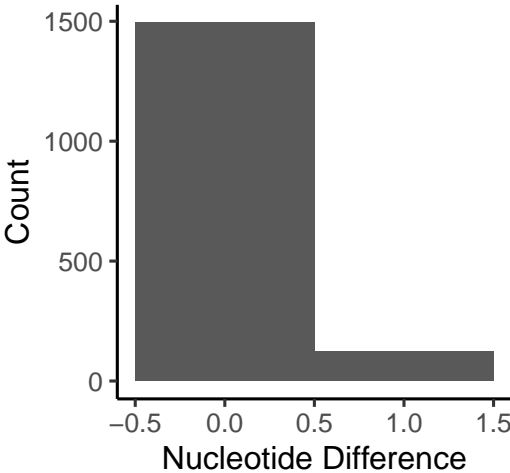
TRBV7-8*ap03

1023 sequences assigned
777 (76%) exact matches, in which:
771 unique CDR3
13 unique J



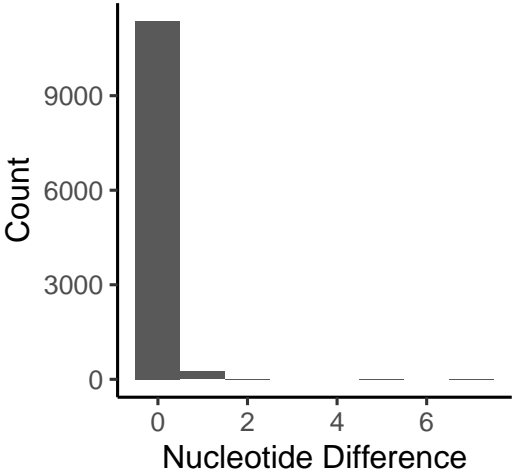
TRBV29-1*ap02

1615 sequences assigned
1494 (92.5%) exact matches, in which:
1467 unique CDR3
13 unique J

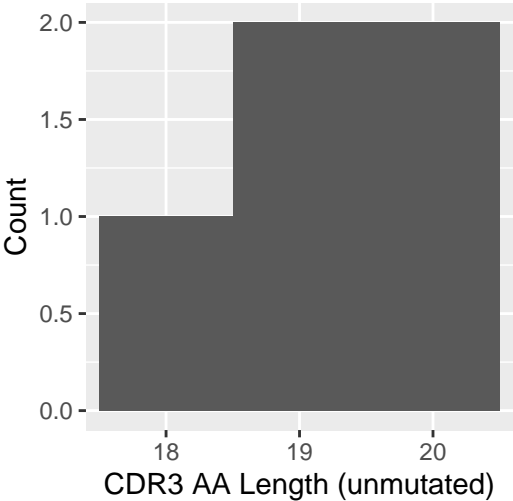


TRBV7-9*ap01

11621 sequences assigned
11368 (97.8%) exact matches, in which:
11287 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T





[illegible]