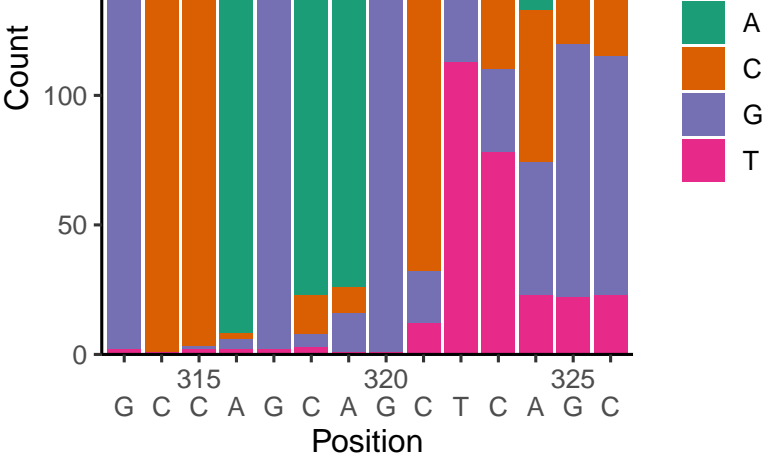
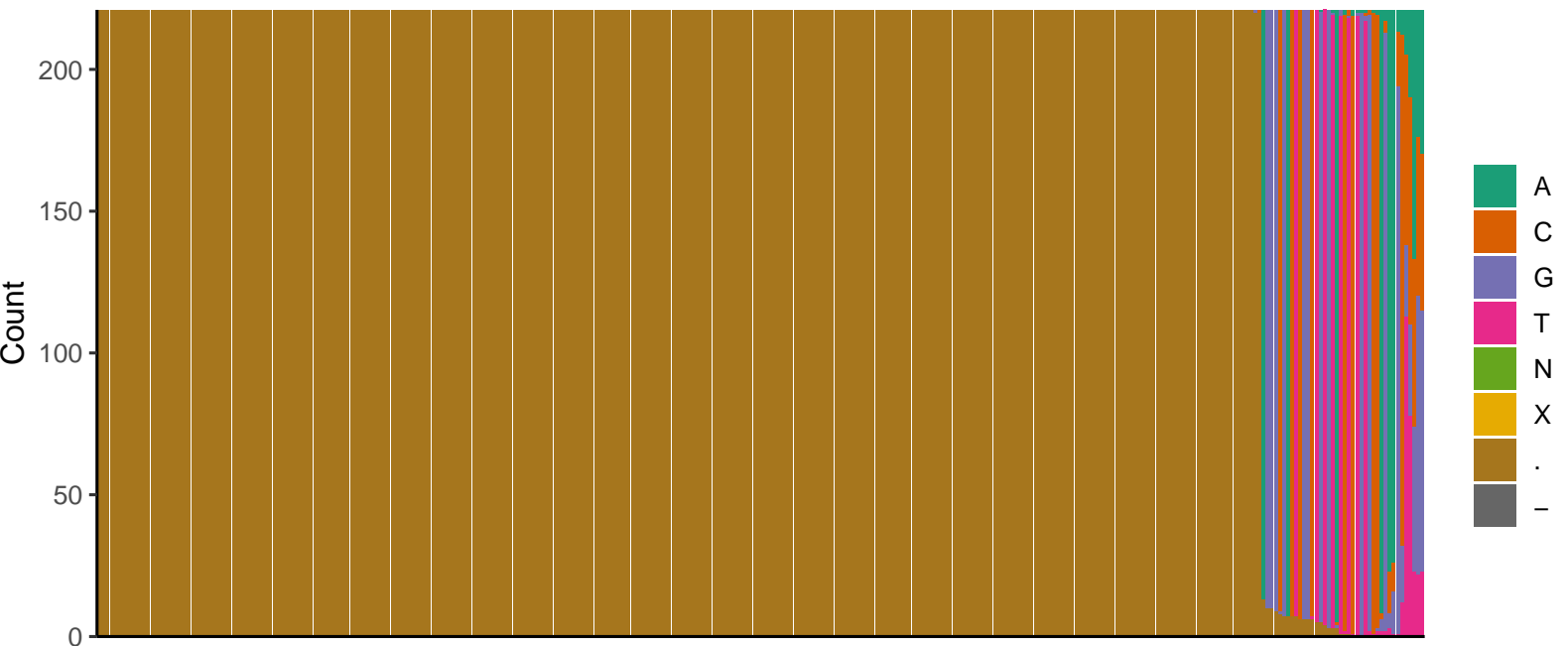


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C



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

Count

15

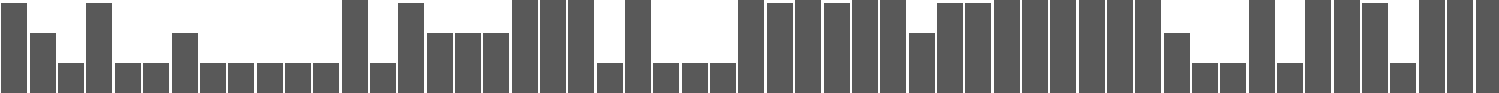
10

5

0

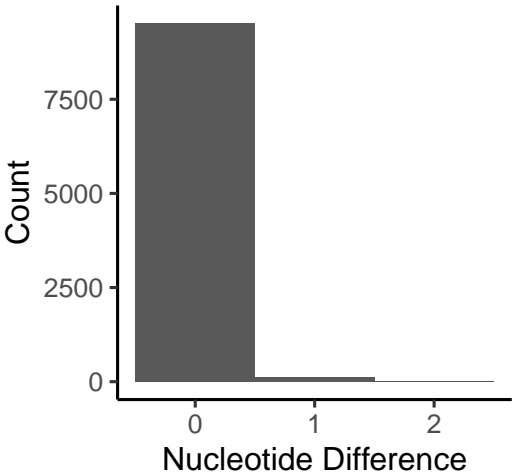
Triplet

TTC TTA TCT TCG TCA TCG TAT TAC TAA TAG TGC TGA TGG CTT CTC CTA CTG CCT CCC CCA CCG CAA CAG CAG CGT CGC CGA CGG ATC ATA ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTA GCC GCA GCG GAT GAC GAA GAG GGT GGC GGA GGG



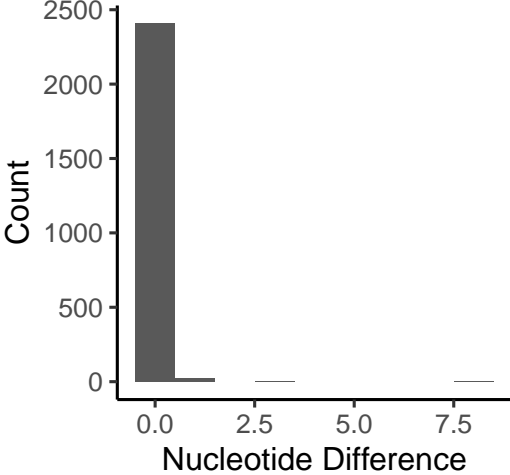
TRBV20-1*ap01

9638 sequences assigned
9515 (98.7%) exact matches, in which:
9332 unique CDR3
13 unique J



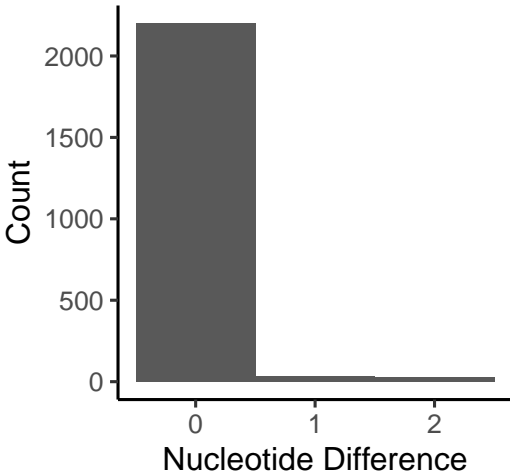
TRBV10-2*ap01

2432 sequences assigned
2408 (99%) exact matches, in which:
2355 unique CDR3
13 unique J



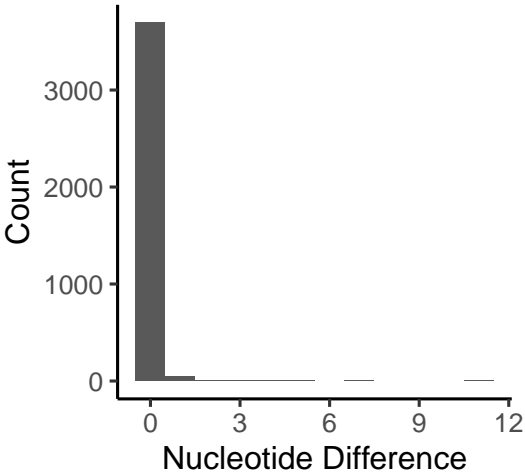
TRBV13*ap01

2259 sequences assigned
2200 (97.4%) exact matches, in which:
2133 unique CDR3
13 unique J



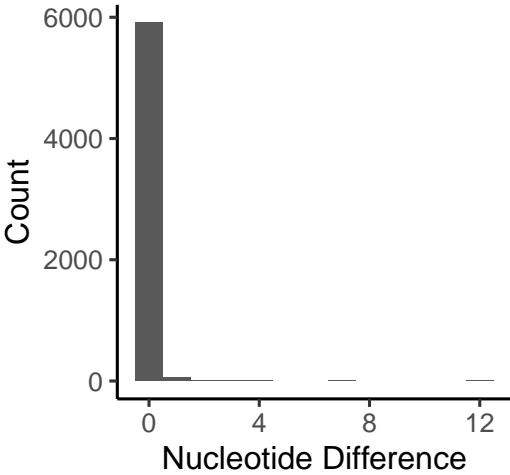
TRBV10-1*ap01

3745 sequences assigned
3694 (98.6%) exact matches, in which:
3626 unique CDR3
13 unique J



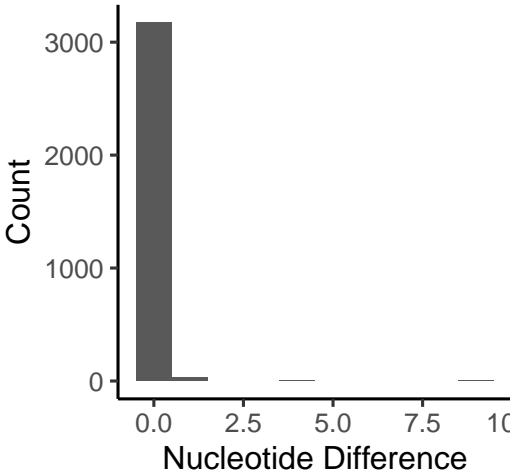
TRBV10-3*ap01

5973 sequences assigned
5910 (98.9%) exact matches, in which:
5766 unique CDR3
13 unique J



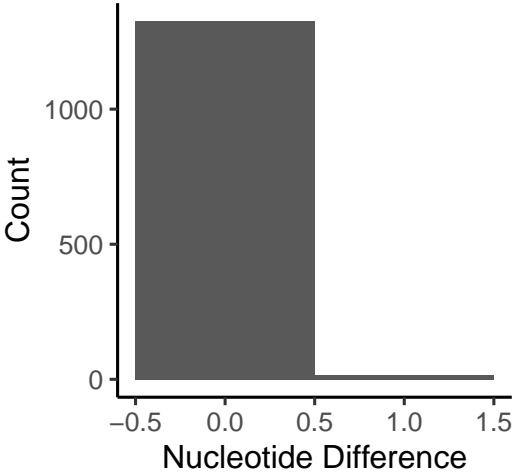
TRBV14*ap01

3207 sequences assigned
3172 (98.9%) exact matches, in which:
3109 unique CDR3
13 unique J



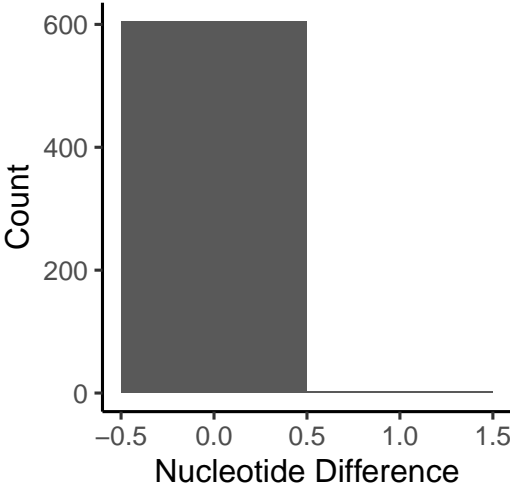
TRBV20-1*ap02

1341 sequences assigned
1326 (98.9%) exact matches, in which:
1311 unique CDR3
13 unique J



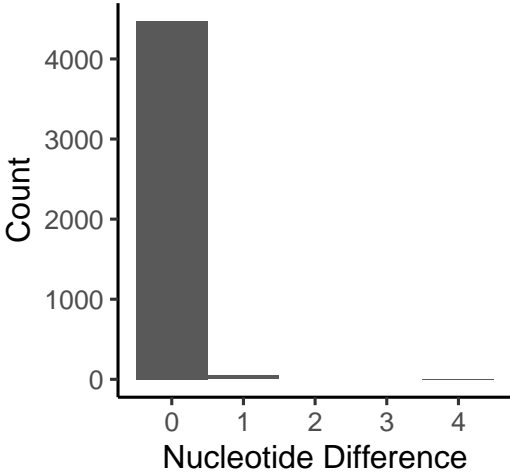
TRBV1*ap01

608 sequences assigned
605 (99.5%) exact matches, in which:
596 unique CDR3
13 unique J



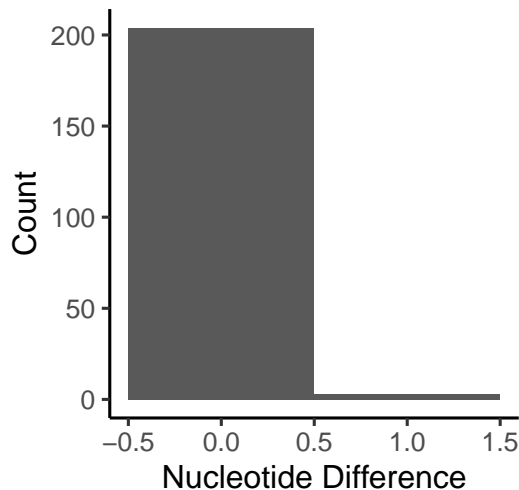
TRBV15*ap02

4520 sequences assigned
4473 (99%) exact matches, in which:
4361 unique CDR3
13 unique J



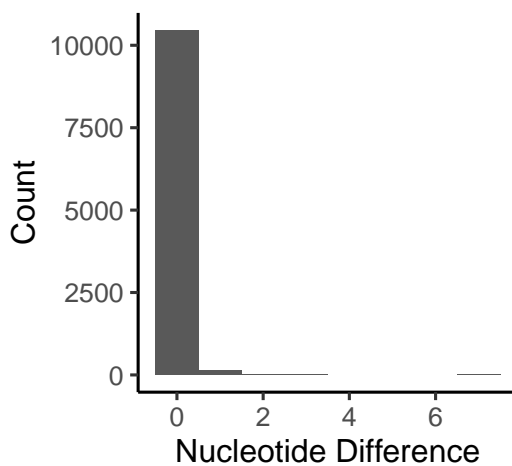
TRBV16*ap01

207 sequences assigned
204 (98.6%) exact matches, in which:
203 unique CDR3
13 unique J



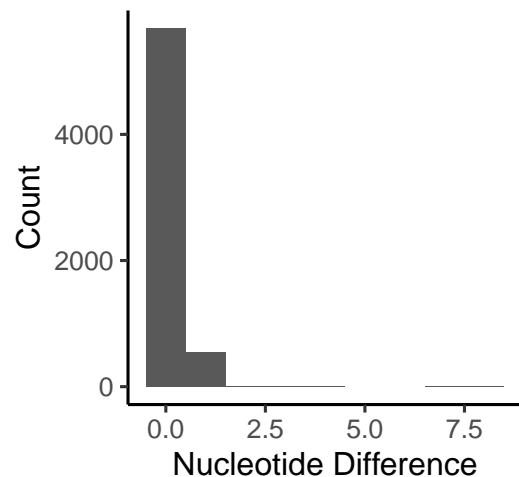
TRBV2*ap01

10610 sequences assigned
10459 (98.6%) exact matches, in which:
10192 unique CDR3
13 unique J



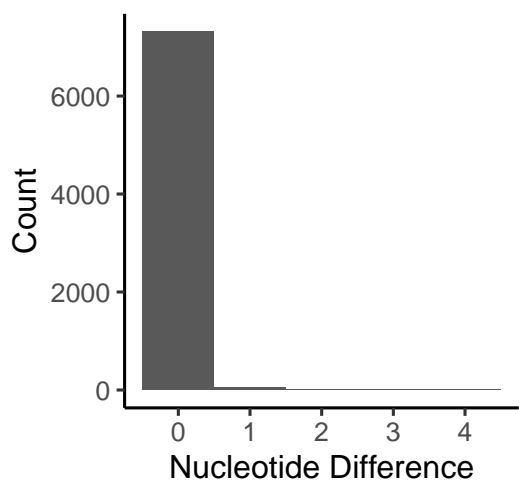
TRBV30*ap01

6257 sequences assigned
5680 (90.8%) exact matches, in which:
5563 unique CDR3
13 unique J



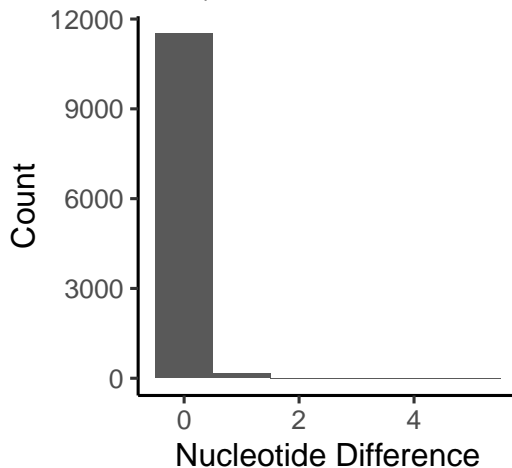
TRBV18*ap01

7372 sequences assigned
7313 (99.2%) exact matches, in which:
7215 unique CDR3
13 unique J



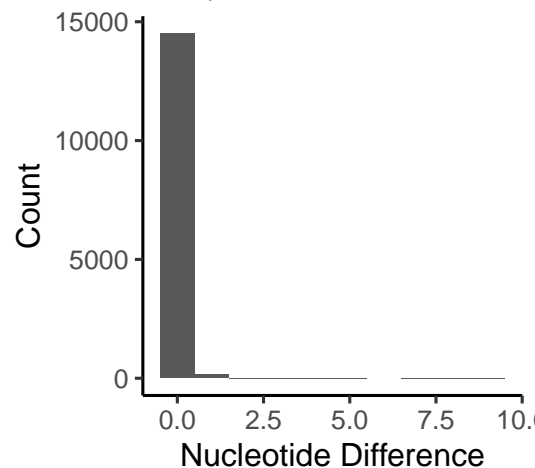
TRBV27*ap01

11697 sequences assigned
11518 (98.5%) exact matches, in which:
11225 unique CDR3
13 unique J



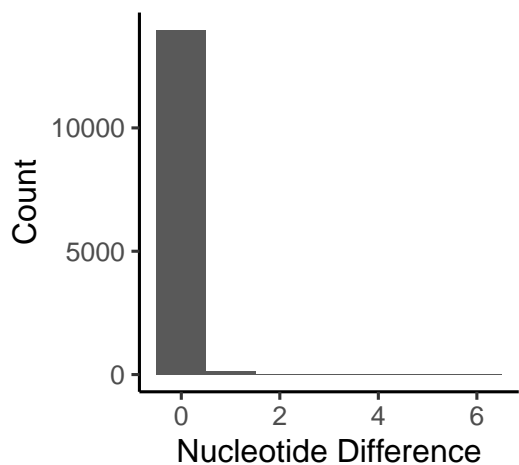
TRBV9*ap01

14667 sequences assigned
14507 (98.9%) exact matches, in which:
14267 unique CDR3
13 unique J



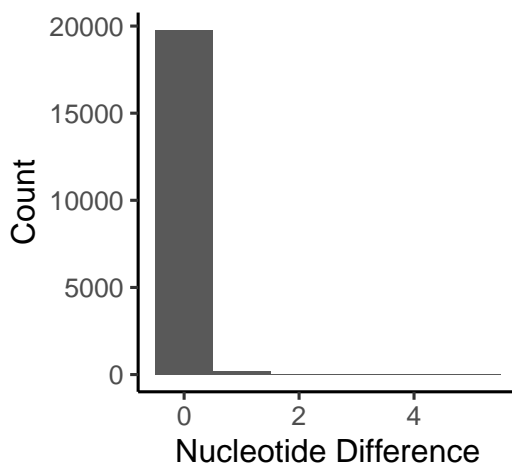
TRBV19*ap01

14132 sequences assigned
13977 (98.9%) exact matches, in which:
13816 unique CDR3
13 unique J



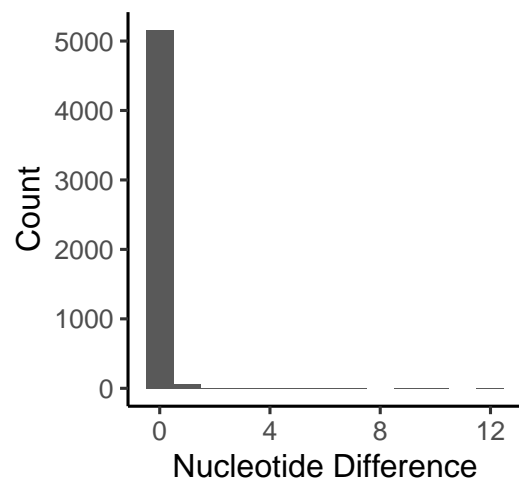
TRBV28*ap01

20006 sequences assigned
19786 (98.9%) exact matches, in which:
19433 unique CDR3
13 unique J



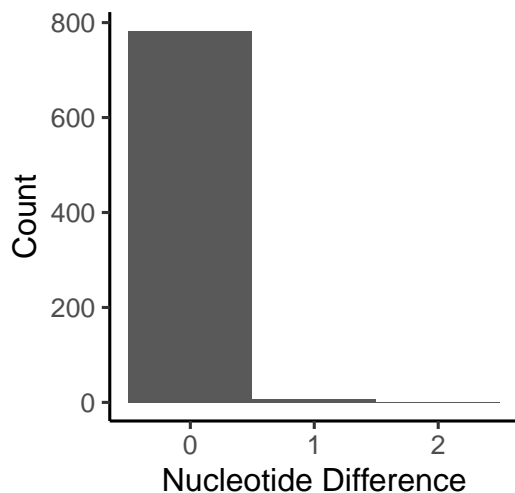
TRBV21-1*ap01

5255 sequences assigned
5158 (98.2%) exact matches, in which:
5084 unique CDR3
13 unique J



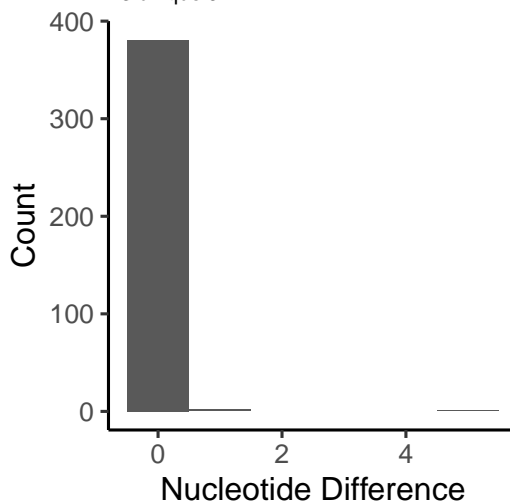
TRBV11-1*ap01

792 sequences assigned
783 (98.9%) exact matches, in which:
769 unique CDR3
13 unique J



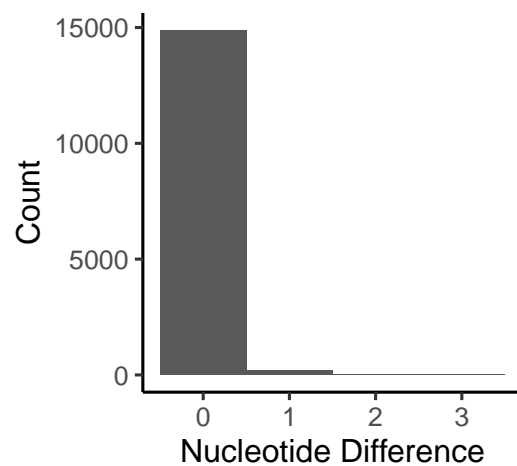
TRBV12-1*ap01

384 sequences assigned
381 (99.2%) exact matches, in which:
375 unique CDR3
13 unique J



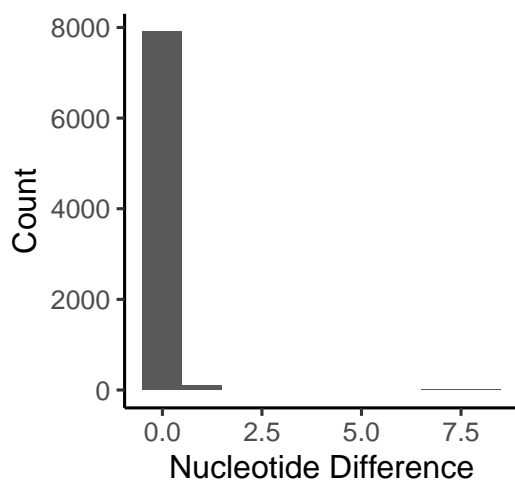
TRBV12-34*ap01

15090 sequences assigned
14887 (98.7%) exact matches, in which:
14568 unique CDR3
13 unique J



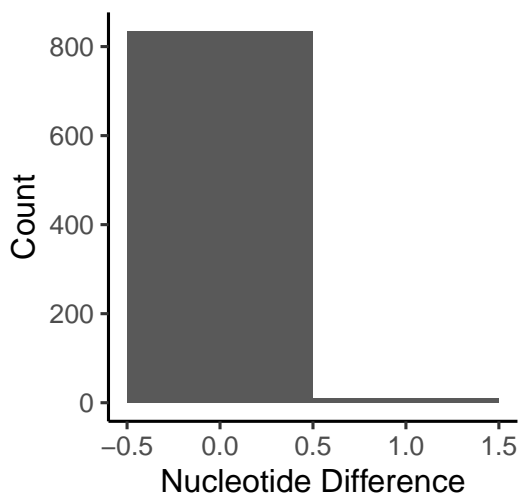
TRBV11-2*ap01

7999 sequences assigned
7906 (98.8%) exact matches, in which:
7735 unique CDR3
13 unique J



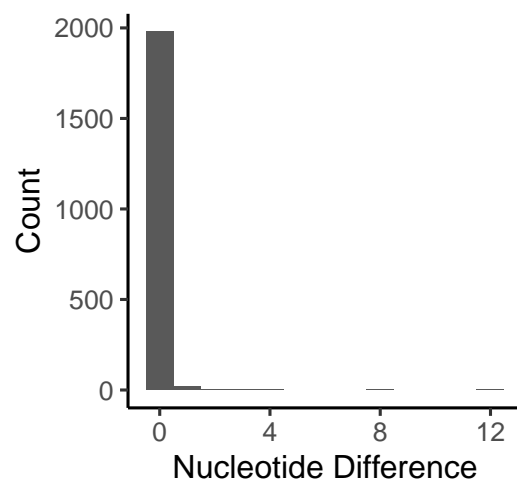
TRBV12-2*ap01

846 sequences assigned
835 (98.7%) exact matches, in which:
820 unique CDR3
13 unique J



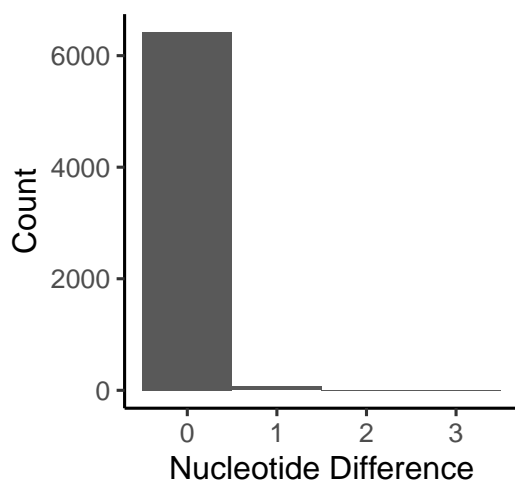
TRBV23-1*ap01

2003 sequences assigned
1979 (98.8%) exact matches, in which:
1934 unique CDR3
13 unique J



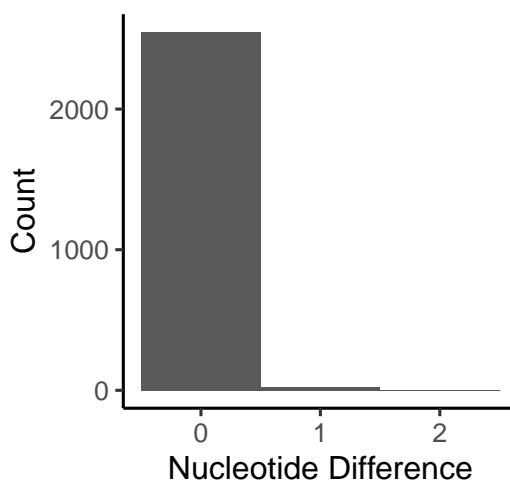
TRBV11-3*ap01

6494 sequences assigned
6423 (98.9%) exact matches, in which:
6290 unique CDR3
13 unique J



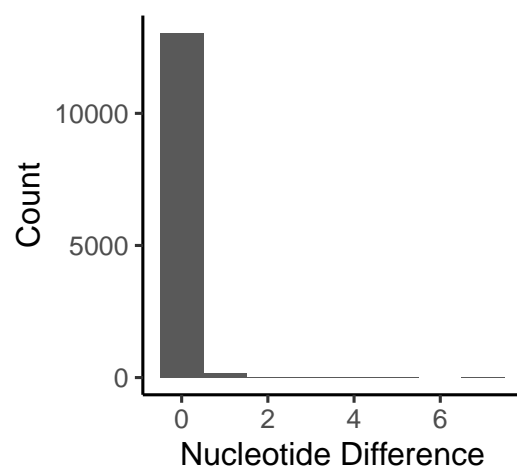
TRBV12-5*ap01

2573 sequences assigned
2548 (99%) exact matches, in which:
2505 unique CDR3
13 unique J



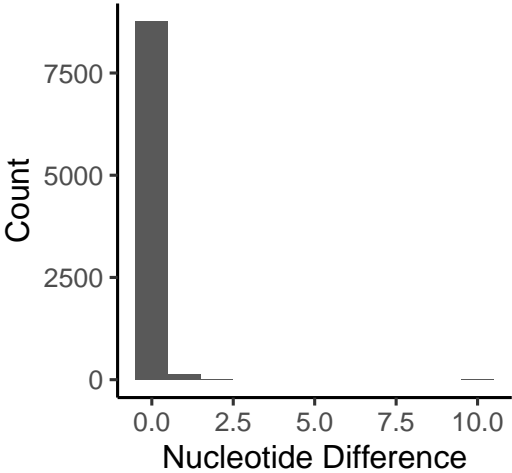
TRBV3-12*ap01

13219 sequences assigned
13049 (98.7%) exact matches, in which:
12750 unique CDR3
13 unique J



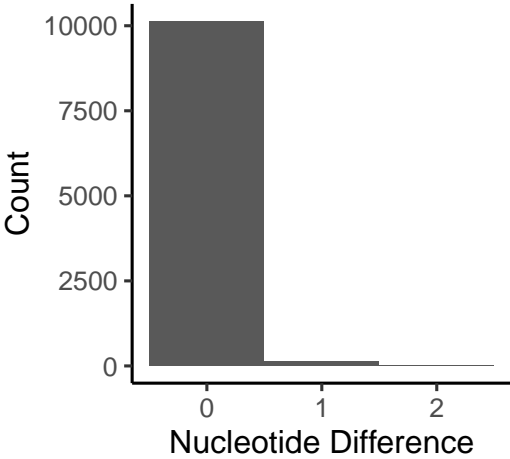
TRBV4-1*ap01

8891 sequences assigned
8762 (98.5%) exact matches, in which:
8552 unique CDR3
13 unique J



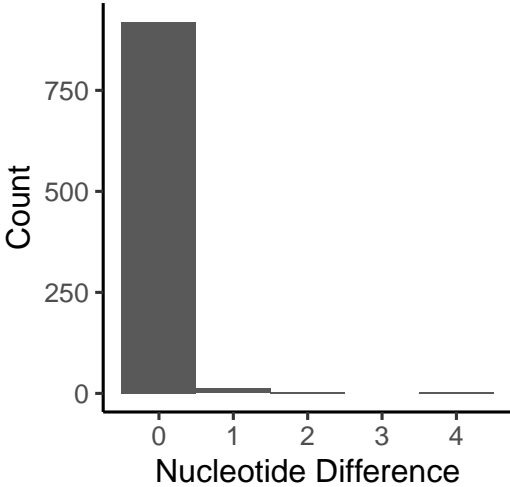
TRBV4-3*ap01

10268 sequences assigned
10135 (98.7%) exact matches, in which:
9909 unique CDR3
13 unique J



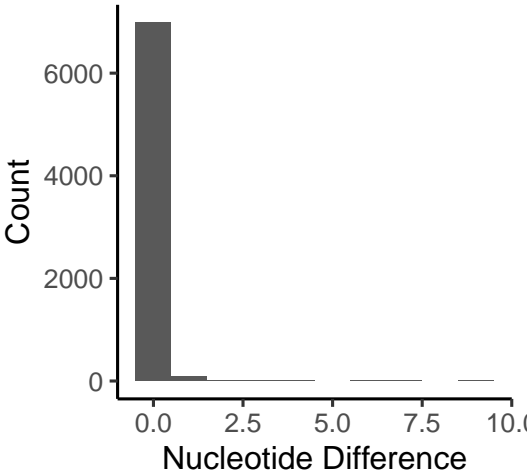
TRBV5-3*ap01

938 sequences assigned
920 (98.1%) exact matches, in which:
900 unique CDR3
13 unique J



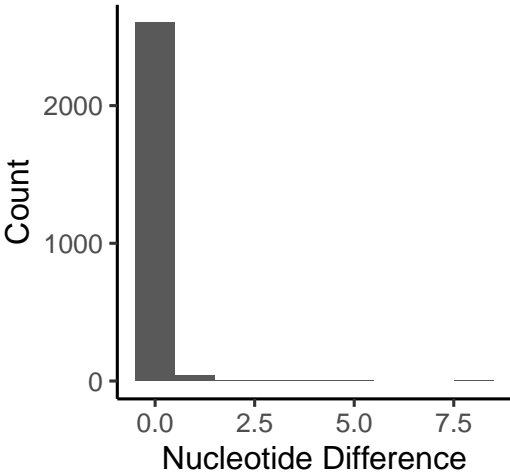
TRBV24-1*ap01

7077 sequences assigned
6983 (98.7%) exact matches, in which:
6824 unique CDR3
13 unique J



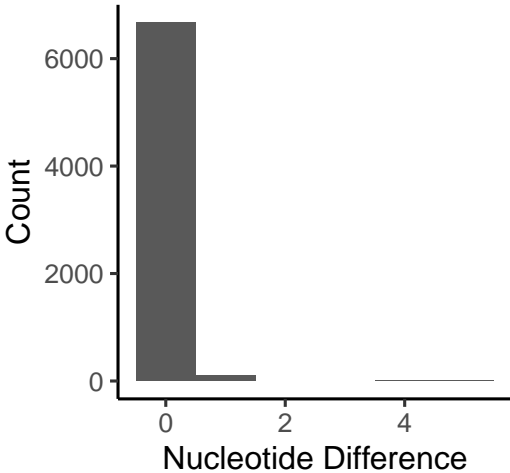
TRBV25-1*ap01

2648 sequences assigned
2602 (98.3%) exact matches, in which:
2529 unique CDR3
13 unique J



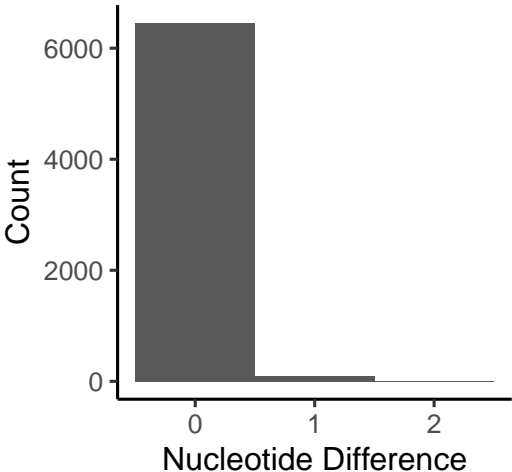
TRBV5-4*ap01

6775 sequences assigned
6668 (98.4%) exact matches, in which:
6519 unique CDR3
13 unique J



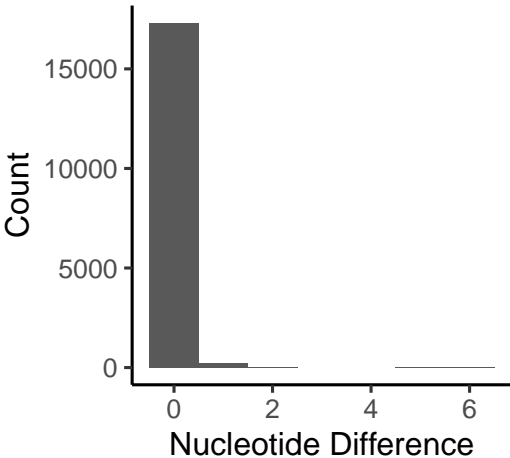
TRBV4-2*ap01

6548 sequences assigned
6453 (98.5%) exact matches, in which:
6311 unique CDR3
13 unique J



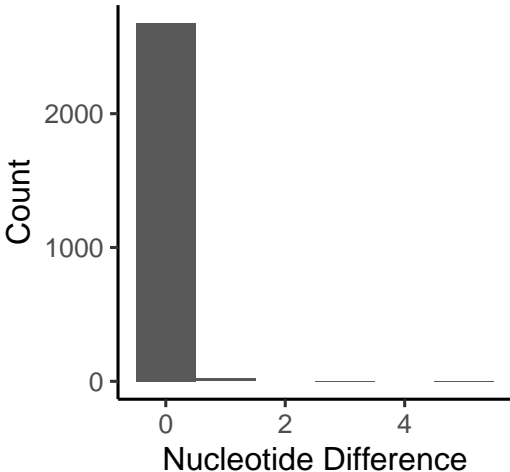
TRBV5-1*ap01

17524 sequences assigned
17315 (98.8%) exact matches, in which:
16843 unique CDR3
13 unique J



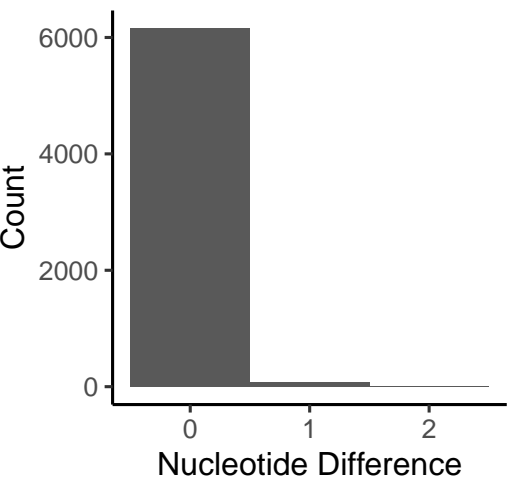
TRBV5-5*ap01

2700 sequences assigned
2677 (99.1%) exact matches, in which:
2654 unique CDR3
13 unique J



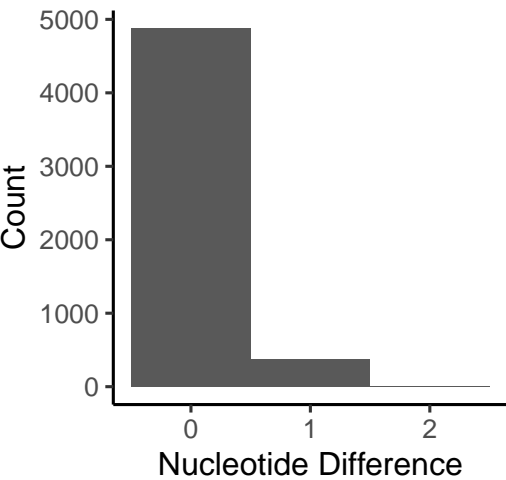
TRBV5-6*ap01

6238 sequences assigned
6156 (98.7%) exact matches, in which:
5986 unique CDR3
13 unique J



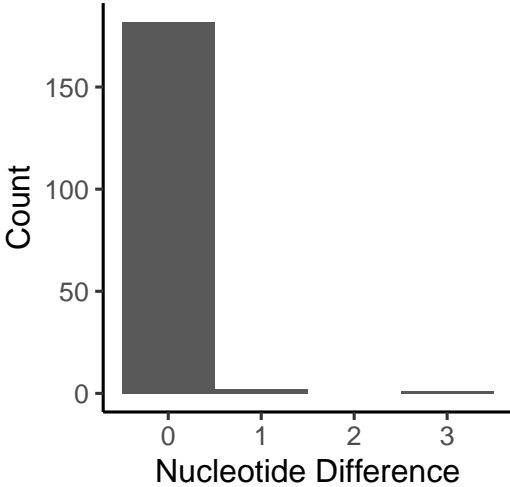
TRBV6-1*ap01

5248 sequences assigned
4877 (92.9%) exact matches, in which:
4775 unique CDR3
13 unique J



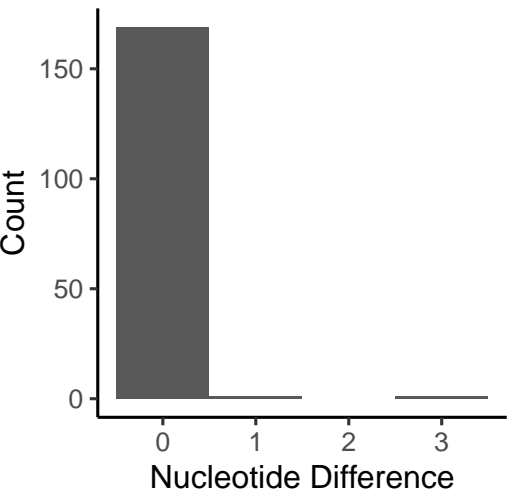
TRBV6-8*ap01

185 sequences assigned
182 (98.4%) exact matches, in which:
180 unique CDR3
13 unique J



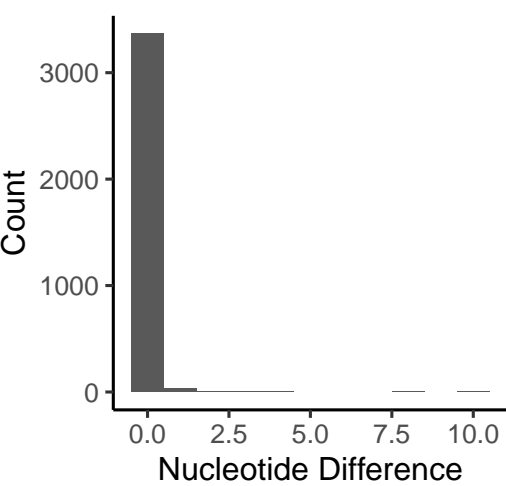
TRBV5-7*ap01

171 sequences assigned
169 (98.8%) exact matches, in which:
165 unique CDR3
13 unique J



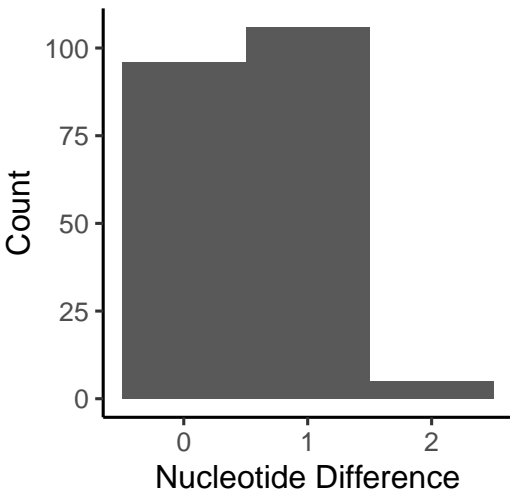
TRBV6-4*ap01

3412 sequences assigned
3366 (98.7%) exact matches, in which:
3310 unique CDR3
13 unique J



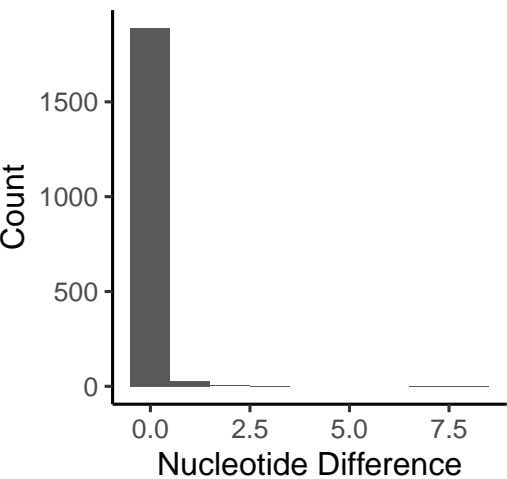
TRBV6-9*ap01

207 sequences assigned
96 (46.4%) exact matches, in which:
94 unique CDR3
12 unique J



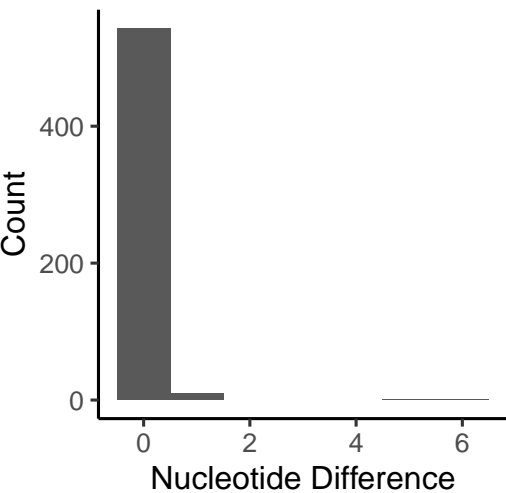
TRBV5-8*ap01

1927 sequences assigned
1889 (98%) exact matches, in which:
1860 unique CDR3
13 unique J



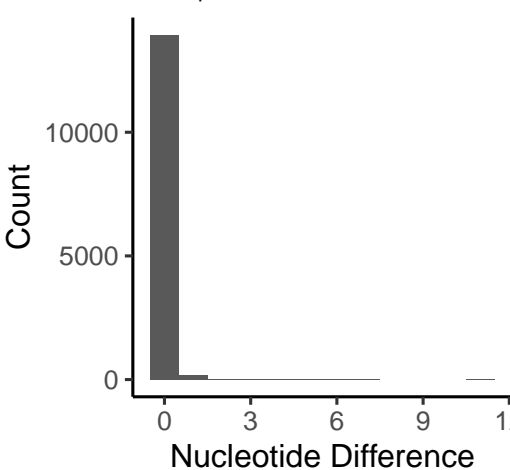
TRBV6-7*ap01

555 sequences assigned
543 (97.8%) exact matches, in which:
527 unique CDR3
13 unique J



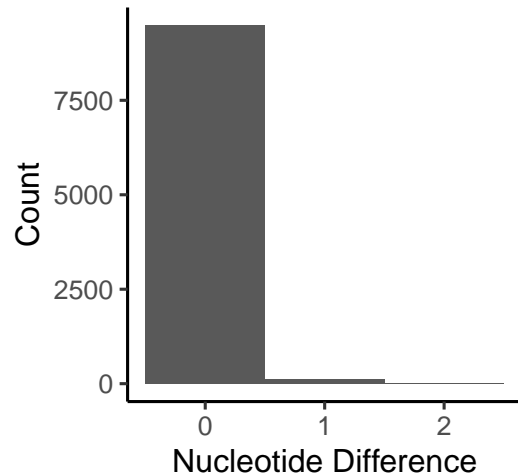
TRBV6-23*ap01

14124 sequences assigned
13941 (98.7%) exact matches, in which:
13571 unique CDR3
13 unique J



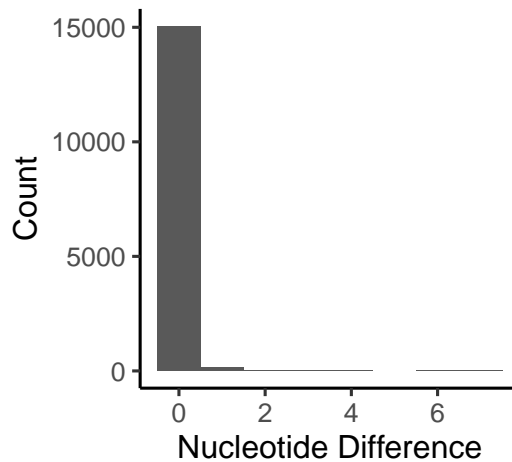
TRBV6-56*ap01

9607 sequences assigned
9483 (98.7%) exact matches, in which:
9224 unique CDR3
13 unique J



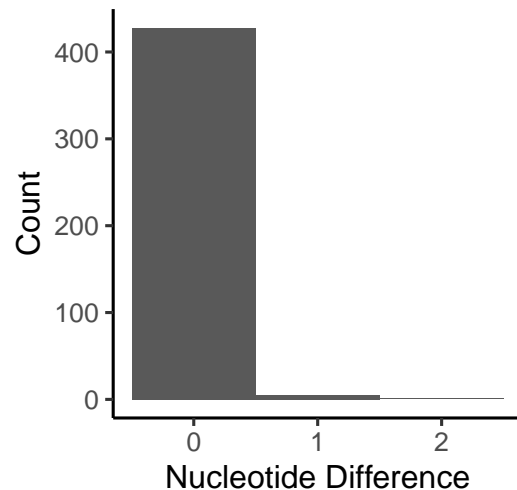
TRBV7-2*ap01

15188 sequences assigned
15050 (99.1%) exact matches, in which:
14779 unique CDR3
13 unique J



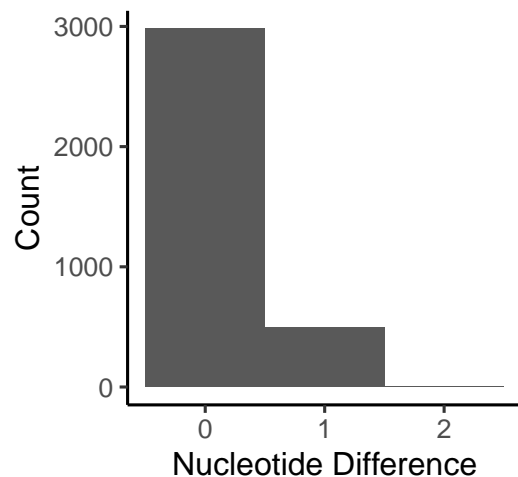
TRBV7-4*ap01

434 sequences assigned
428 (98.6%) exact matches, in which:
418 unique CDR3
13 unique J



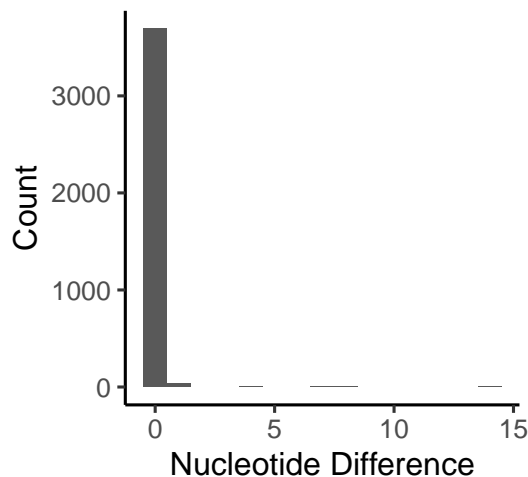
TRBV6-56*ap02

3485 sequences assigned
2981 (85.5%) exact matches, in which:
2907 unique CDR3
13 unique J



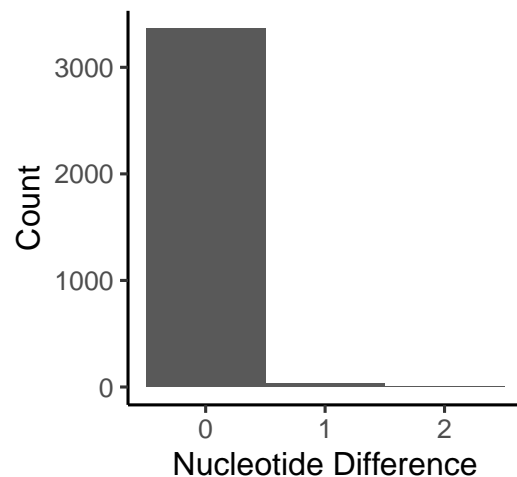
TRBV7-3*ap01

3736 sequences assigned
3692 (98.8%) exact matches, in which:
3647 unique CDR3
13 unique J



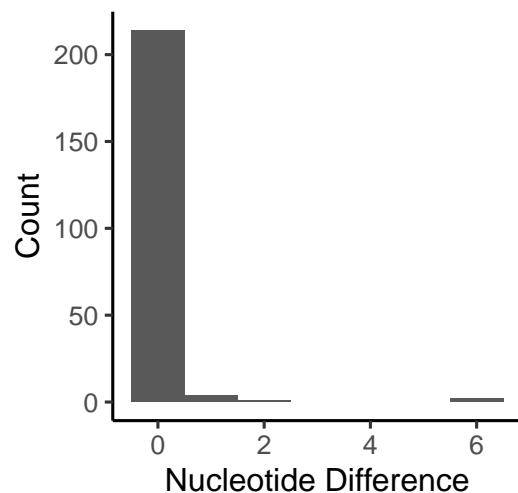
TRBV7-6*ap01

3394 sequences assigned
3362 (99.1%) exact matches, in which:
3295 unique CDR3
13 unique J



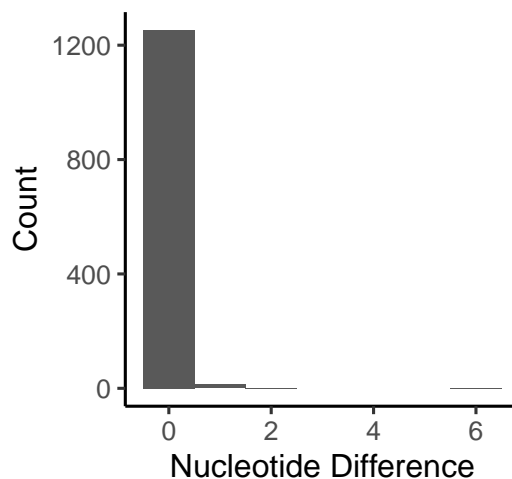
TRBV7-1*ap01_G291C_

221 sequences assigned
214 (96.8%) exact matches, in which:
210 unique CDR3
13 unique J



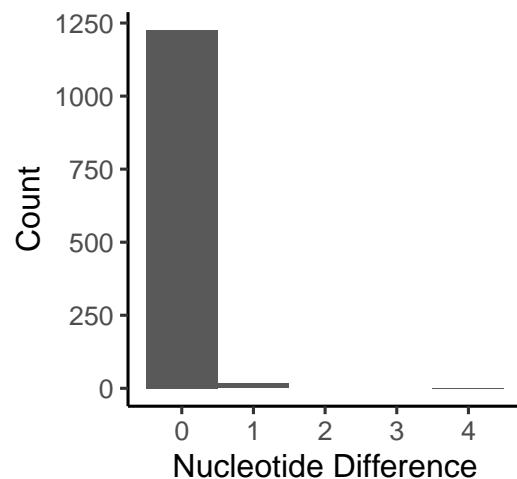
TRBV7-3*ap02

1270 sequences assigned
1253 (98.7%) exact matches, in which:
1231 unique CDR3
12 unique J



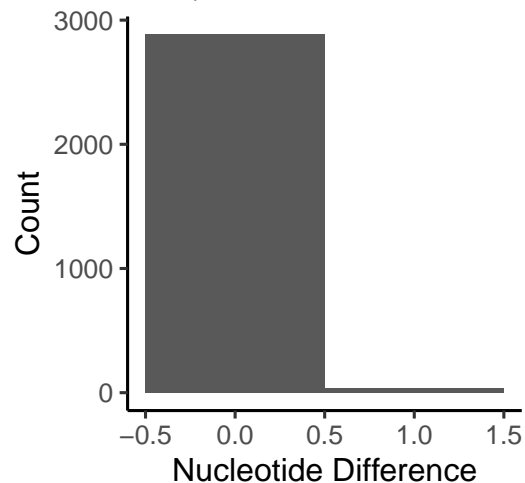
TRBV7-7*ap01

1243 sequences assigned
1226 (98.6%) exact matches, in which:
1200 unique CDR3
13 unique J



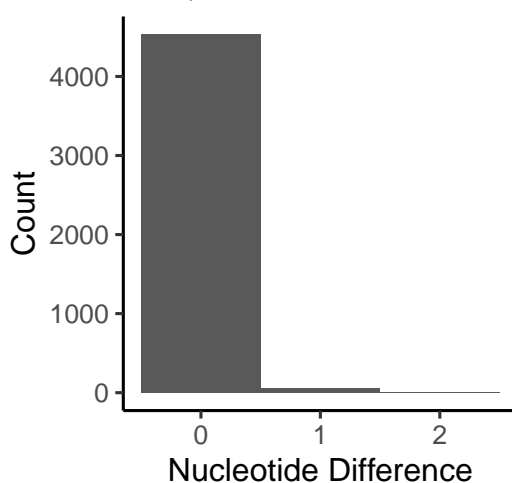
TRBV7-8*ap01

2921 sequences assigned
2885 (98.8%) exact matches, in which:
2810 unique CDR3
13 unique J



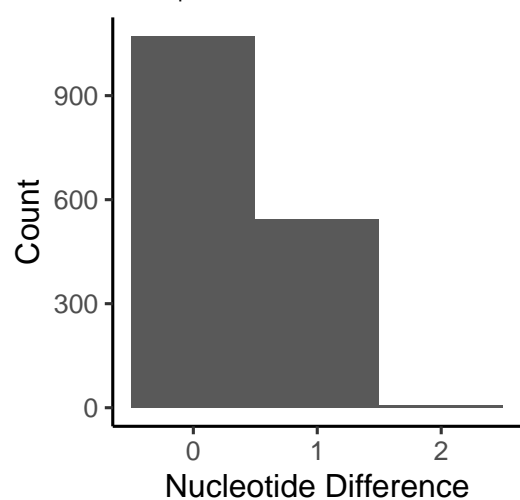
TRBV29-1*ap01

4591 sequences assigned
4532 (98.7%) exact matches, in which:
4409 unique CDR3
13 unique J



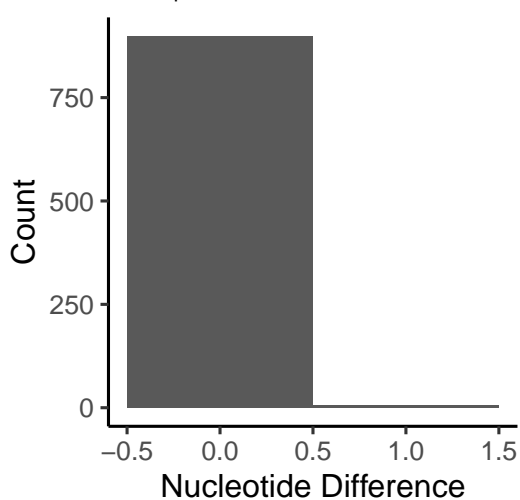
TRBV7-8*ap03

1622 sequences assigned
1072 (66.1%) exact matches, in which:
1044 unique CDR3
13 unique J



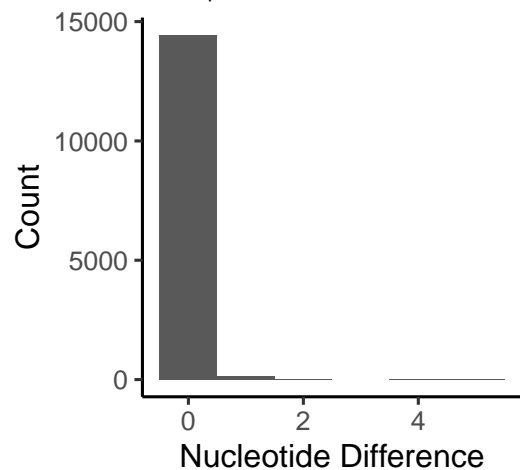
TRBV29-1*ap02

905 sequences assigned
899 (99.3%) exact matches, in which:
871 unique CDR3
13 unique J



TRBV7-9*ap01

14606 sequences assigned
14447 (98.9%) exact matches, in which:
14181 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C

