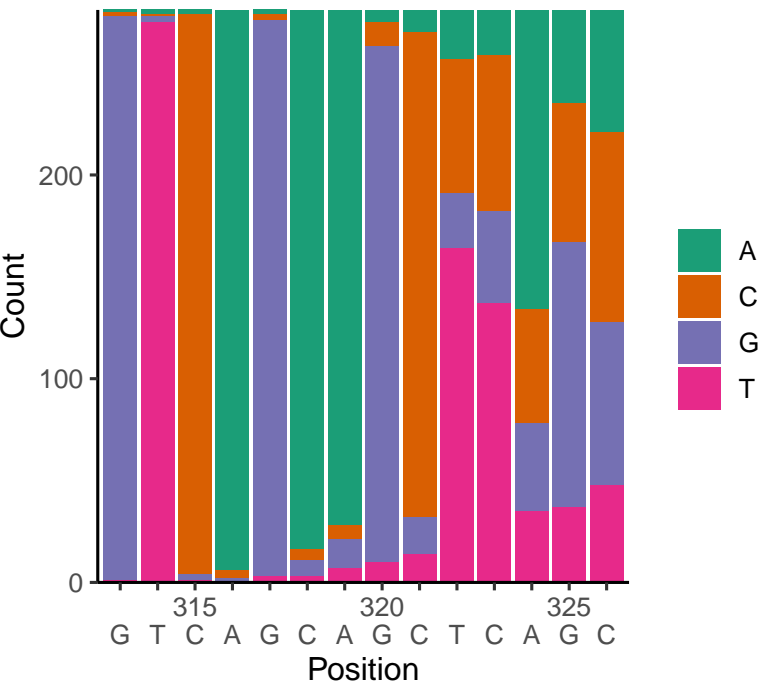
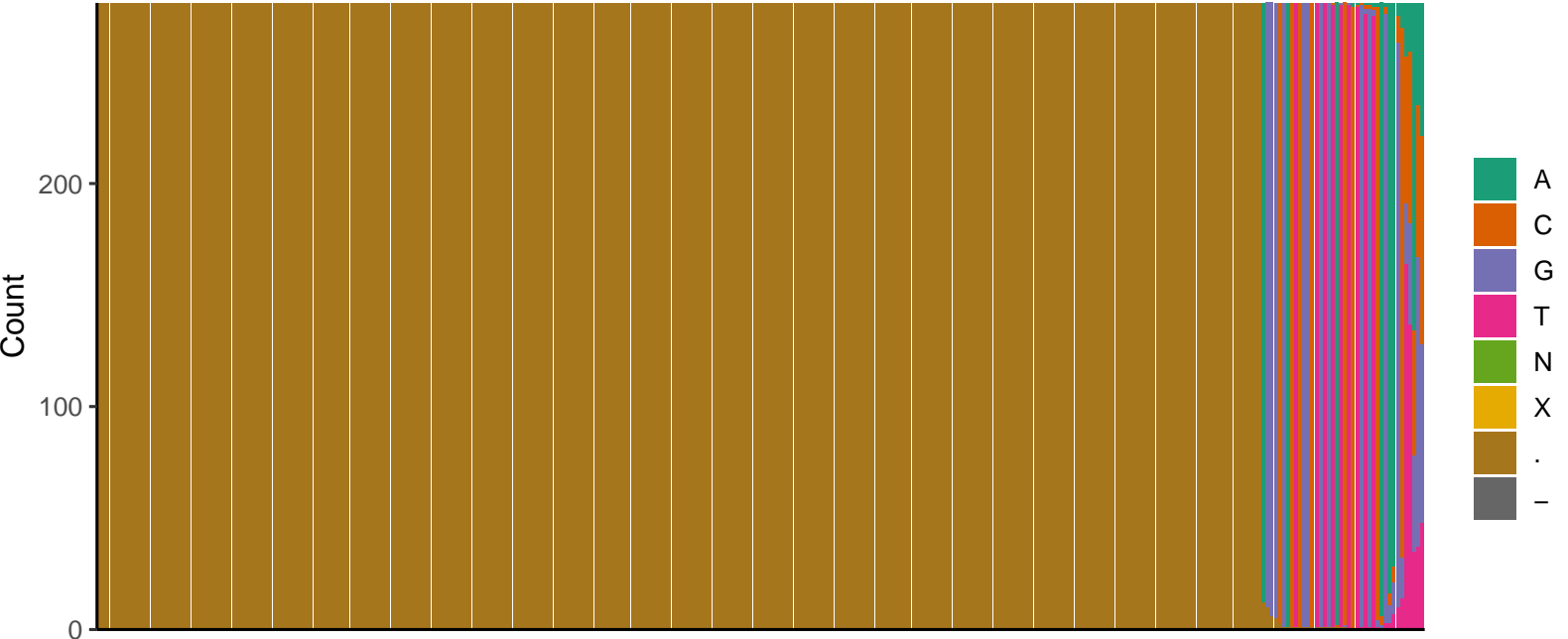


Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T



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

Count

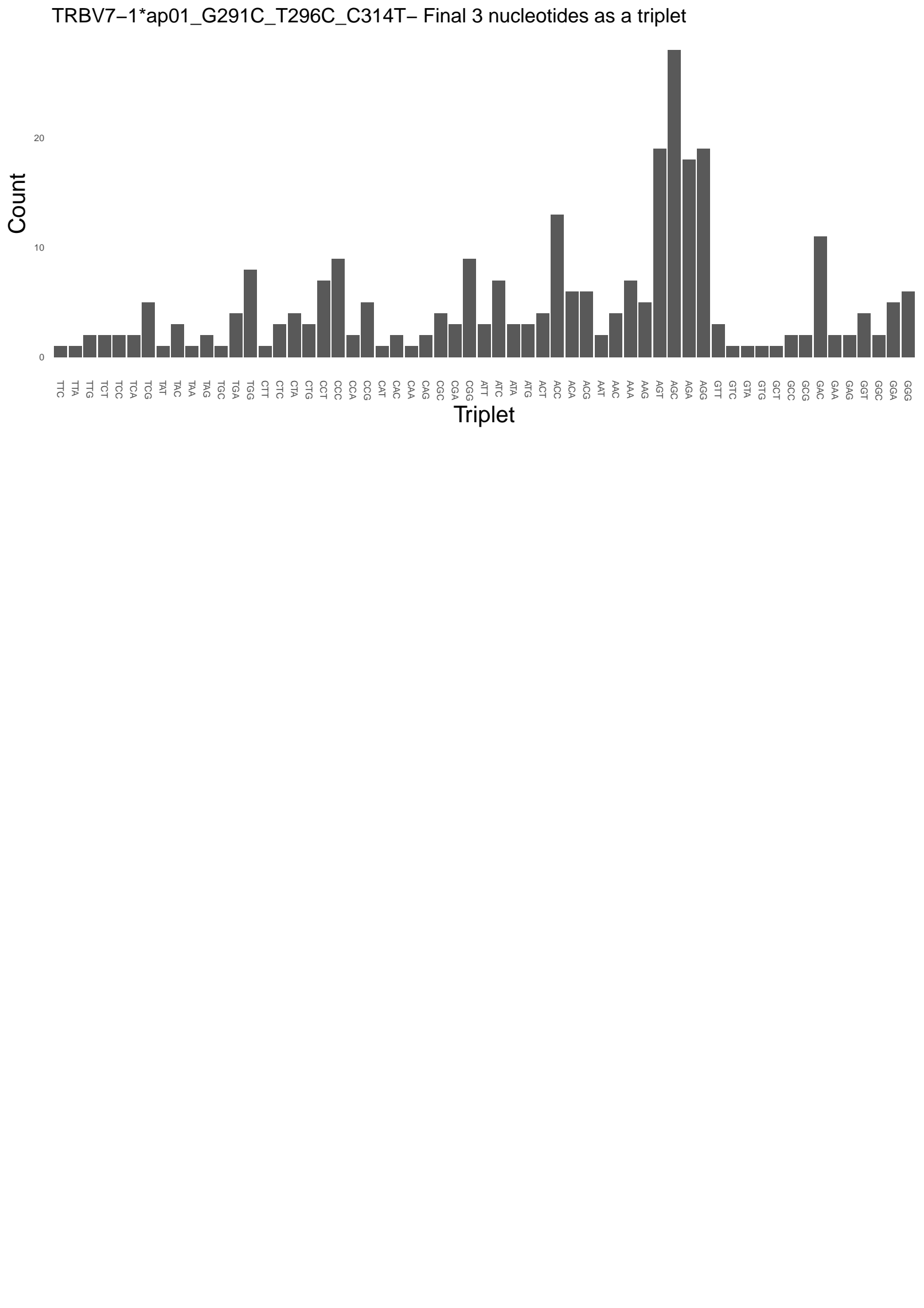
20

10

0

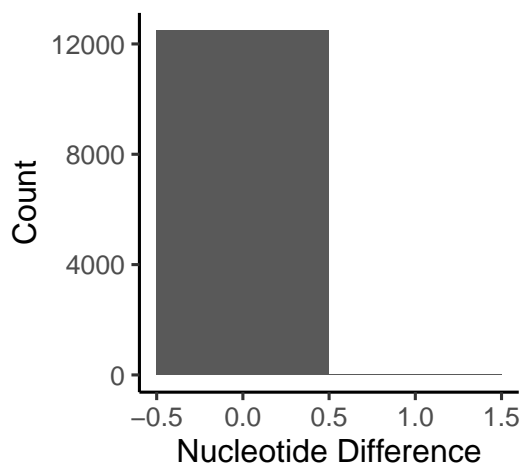
Triplet

TTC TTA TTG TCT TCC TCA TCG TAT TAC TAA TAG TGC TGA TGG CTT CTC CTA CTG CCT CCC CCA CCG CAT CAC CAA CAG CCG CGA CGG ATT ATC ATA ATG ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTC GTA GTG GCT GCC GCG GAC GAA GAG GGT GGC GGA GGG



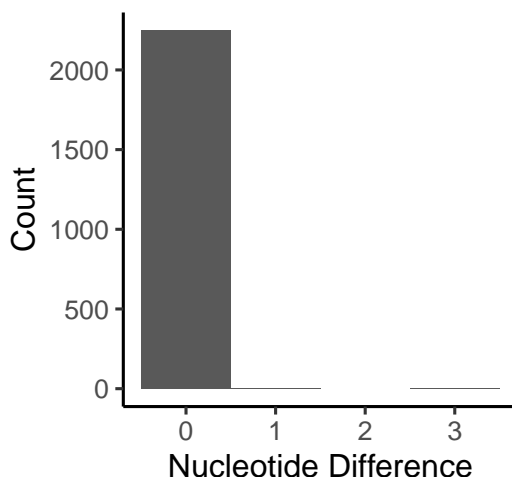
TRBV20-1*ap01

12514 sequences assigned
12500 (99.9%) exact matches, in which:
12494 unique CDR3
13 unique J



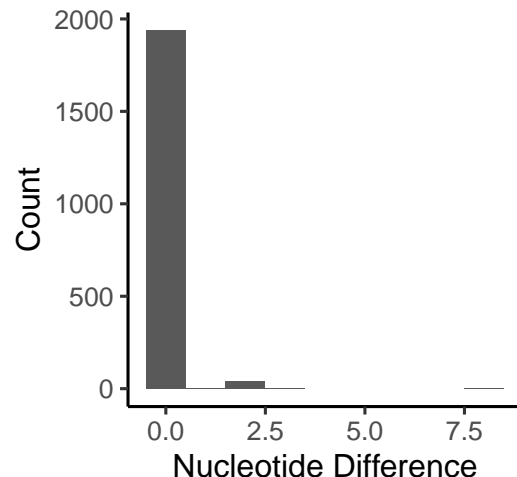
TRBV10-2*ap01

2253 sequences assigned
2248 (99.8%) exact matches, in which:
2246 unique CDR3
13 unique J



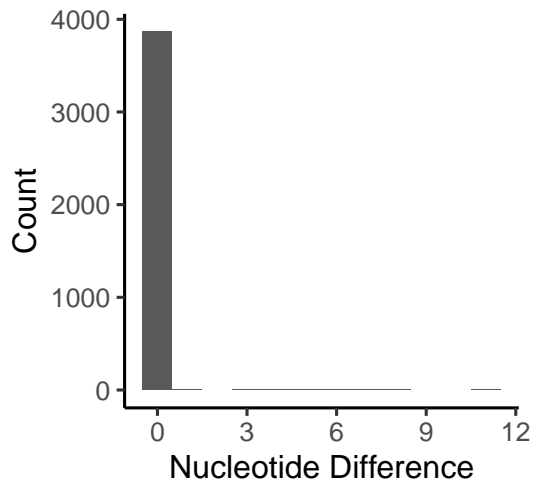
TRBV13*ap01

1985 sequences assigned
1938 (97.6%) exact matches, in which:
1937 unique CDR3
13 unique J



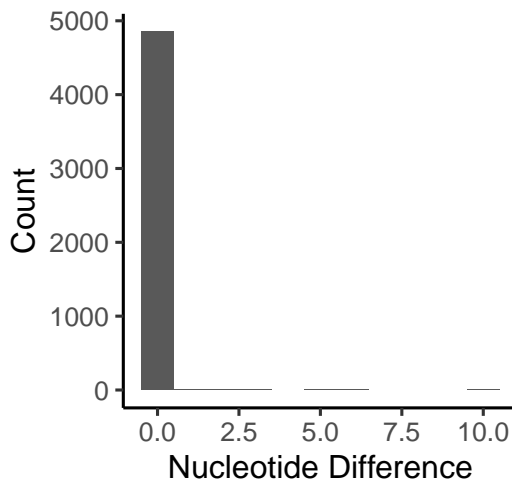
TRBV10-1*ap01

3883 sequences assigned
3866 (99.6%) exact matches, in which:
3866 unique CDR3
13 unique J



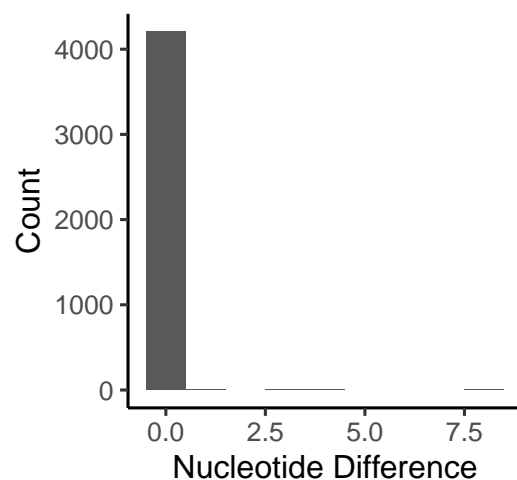
TRBV10-3*ap01

4868 sequences assigned
4852 (99.7%) exact matches, in which:
4850 unique CDR3
13 unique J



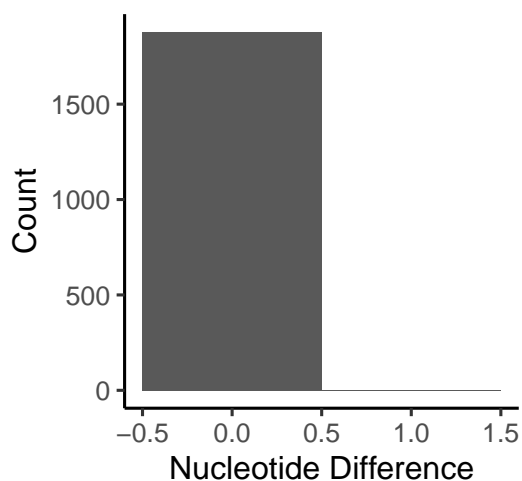
TRBV14*ap01

4213 sequences assigned
4205 (99.8%) exact matches, in which:
4204 unique CDR3
13 unique J



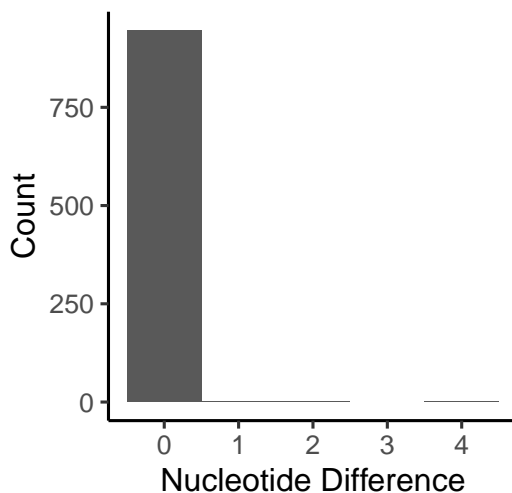
TRBV20-1*ap02

1880 sequences assigned
1878 (99.9%) exact matches, in which:
1877 unique CDR3
13 unique J



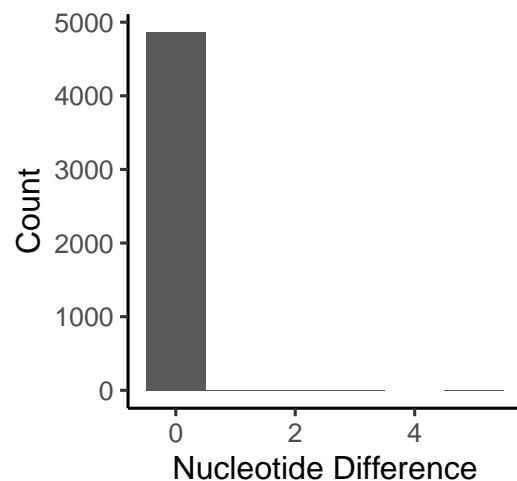
TRBV1*ap01

951 sequences assigned
946 (99.5%) exact matches, in which:
945 unique CDR3
13 unique J



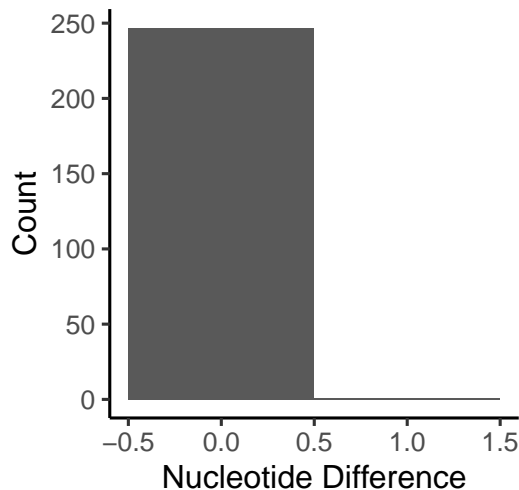
TRBV15*ap02

4877 sequences assigned
4866 (99.8%) exact matches, in which:
4863 unique CDR3
13 unique J



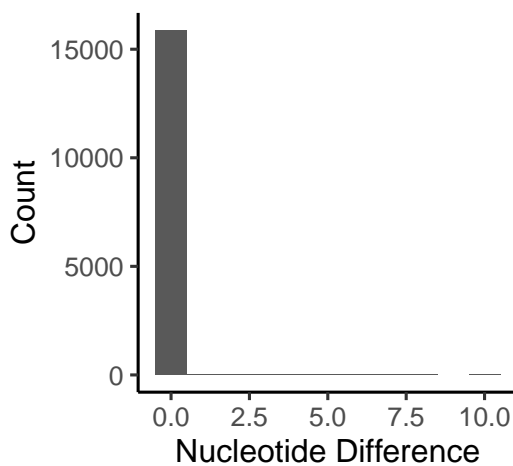
TRBV16*ap01

248 sequences assigned
247 (99.6%) exact matches, in which:
247 unique CDR3
13 unique J



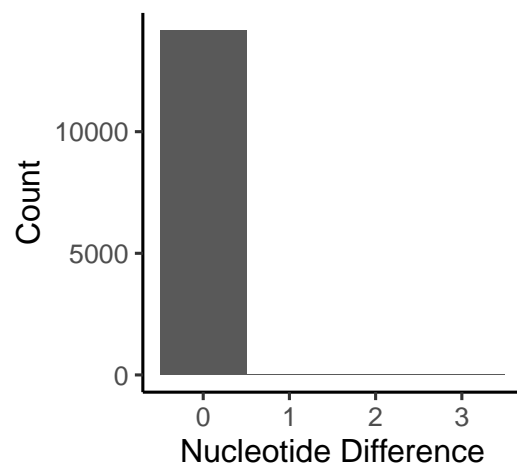
TRBV19*ap01

15934 sequences assigned
15878 (99.6%) exact matches, in which:
15876 unique CDR3
13 unique J



TRBV28*ap01

14200 sequences assigned
14173 (99.8%) exact matches, in which:
14172 unique CDR3
13 unique J



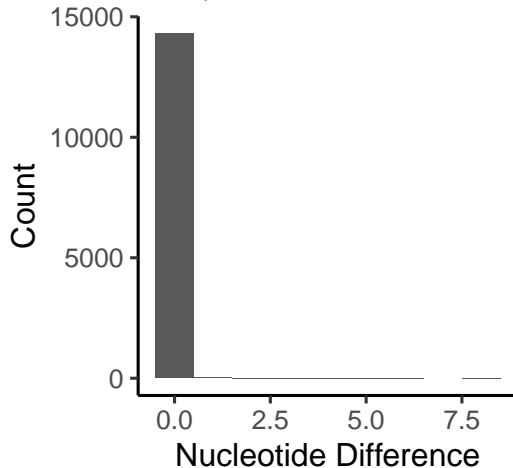
TRBV17*ap01

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



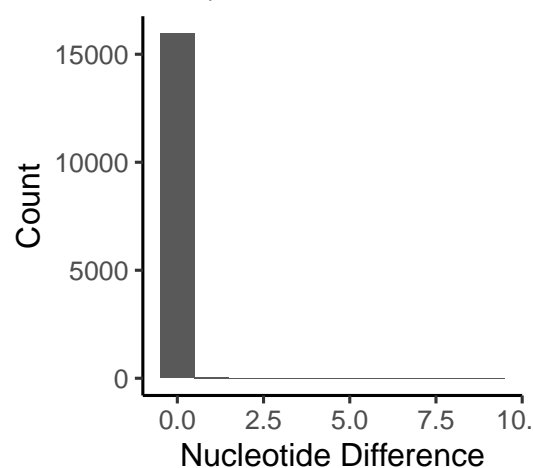
TRBV2*ap01

14356 sequences assigned
14308 (99.7%) exact matches, in which:
14295 unique CDR3
13 unique J



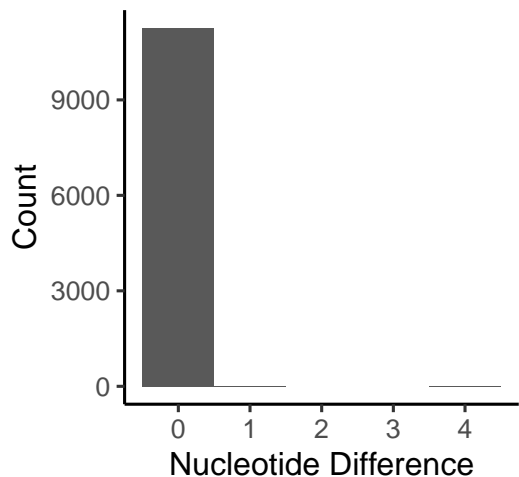
TRBV30*ap01

16043 sequences assigned
15962 (99.5%) exact matches, in which:
15930 unique CDR3
14 unique J



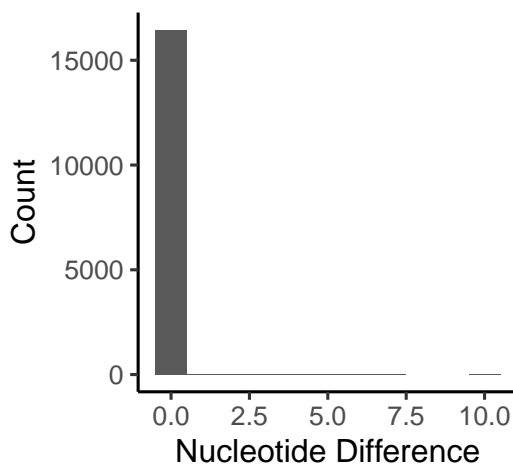
TRBV18*ap01

11277 sequences assigned
11257 (99.8%) exact matches, in which:
11255 unique CDR3
13 unique J



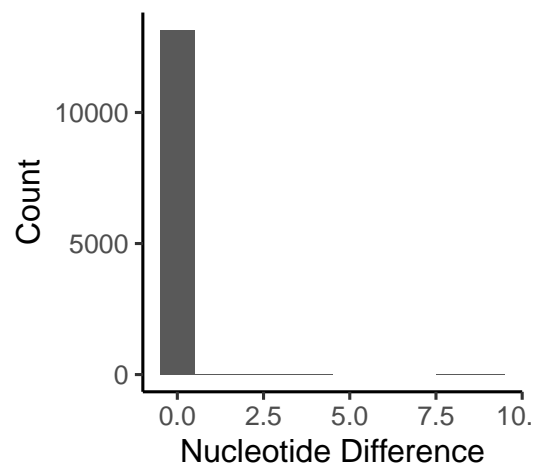
TRBV27*ap01

16516 sequences assigned
16455 (99.6%) exact matches, in which:
16429 unique CDR3
13 unique J



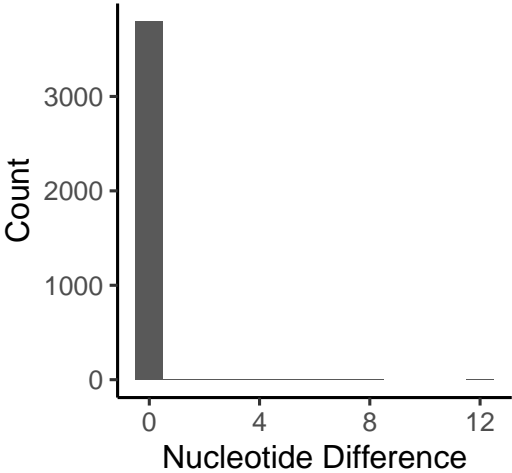
TRBV9*ap01

13186 sequences assigned
13155 (99.8%) exact matches, in which:
13148 unique CDR3
13 unique J



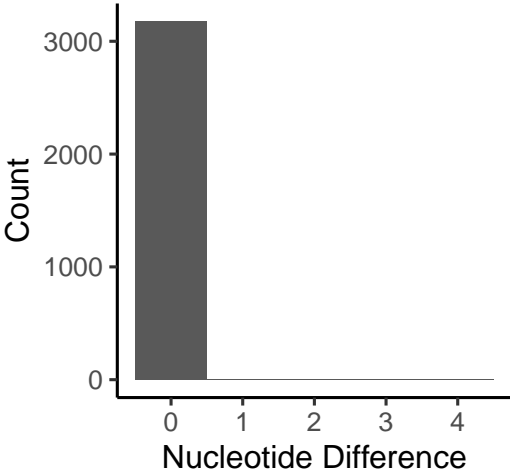
TRBV21-1*ap01

3834 sequences assigned
3795 (99%) exact matches, in which:
3795 unique CDR3
14 unique J



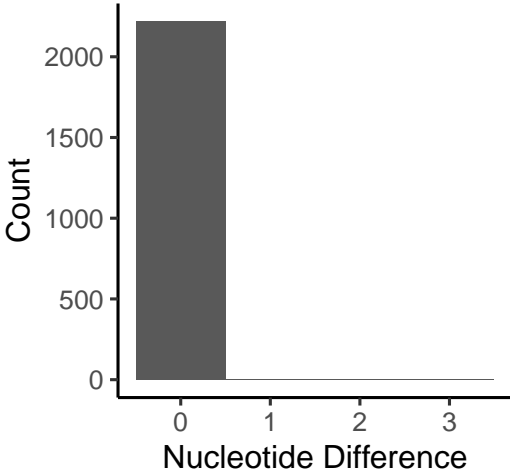
TRBV11-3*ap01

3188 sequences assigned
3176 (99.6%) exact matches, in which:
3176 unique CDR3
13 unique J



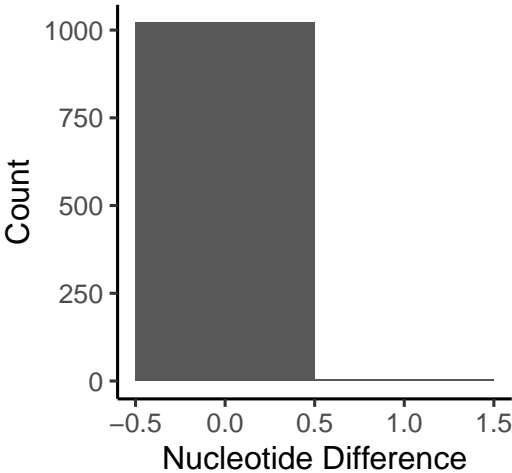
TRBV12-5*ap01

2224 sequences assigned
2219 (99.8%) exact matches, in which:
2219 unique CDR3
13 unique J



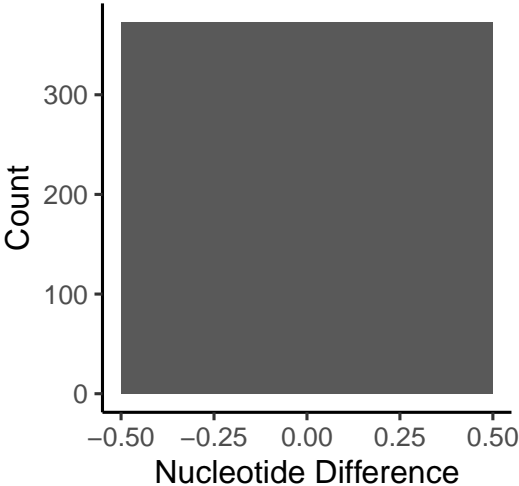
TRBV11-1*ap01

1024 sequences assigned
1021 (99.7%) exact matches, in which:
1020 unique CDR3
13 unique J



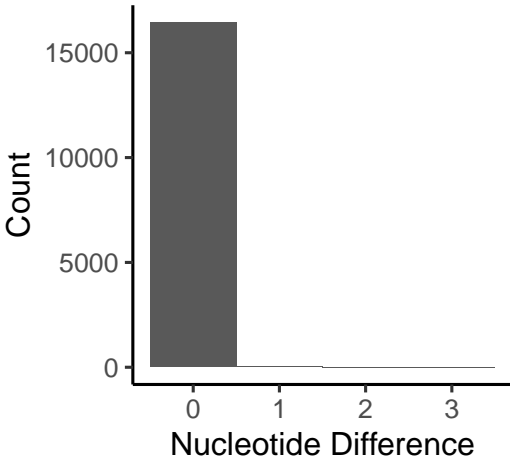
TRBV12-1*ap01

373 sequences assigned
373 (100%) exact matches, in which:
372 unique CDR3
13 unique J



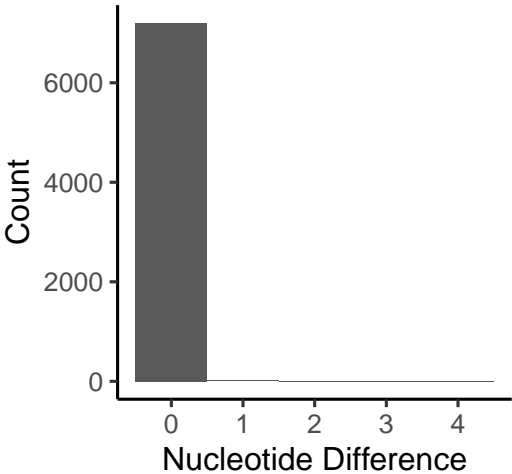
TRBV12-34*ap01

16476 sequences assigned
16444 (99.8%) exact matches, in which:
16440 unique CDR3
13 unique J



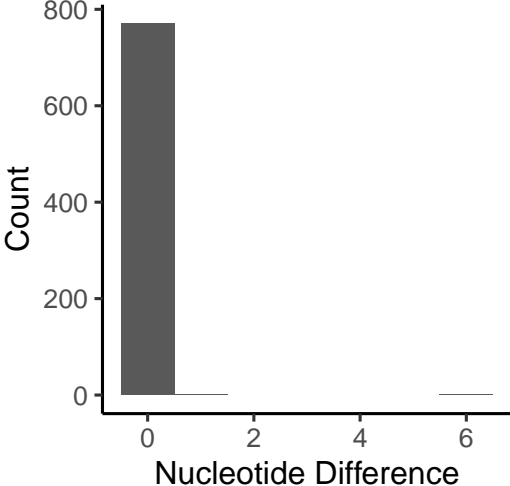
TRBV11-2*ap01

7218 sequences assigned
7200 (99.8%) exact matches, in which:
7199 unique CDR3
13 unique J



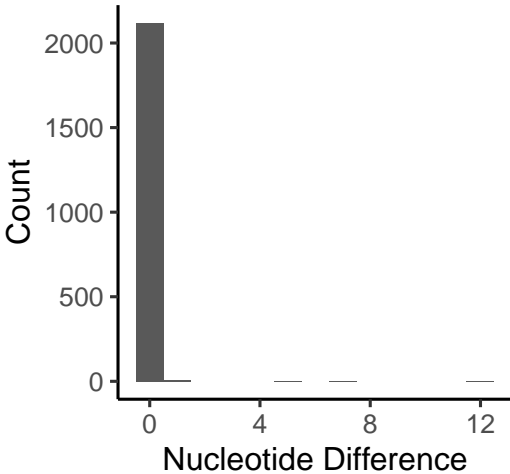
TRBV12-2*ap01

773 sequences assigned
771 (99.7%) exact matches, in which:
771 unique CDR3
13 unique J



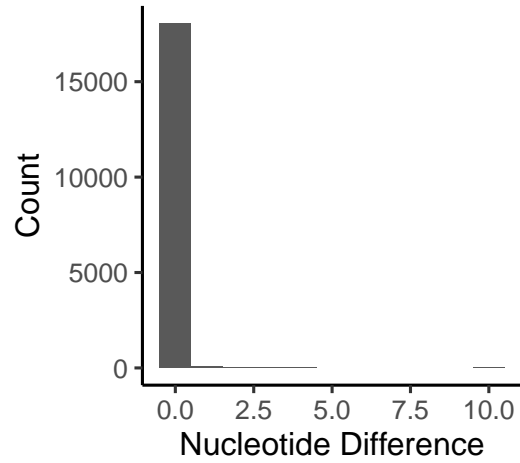
TRBV23-1*ap01

2127 sequences assigned
2118 (99.6%) exact matches, in which:
2118 unique CDR3
13 unique J



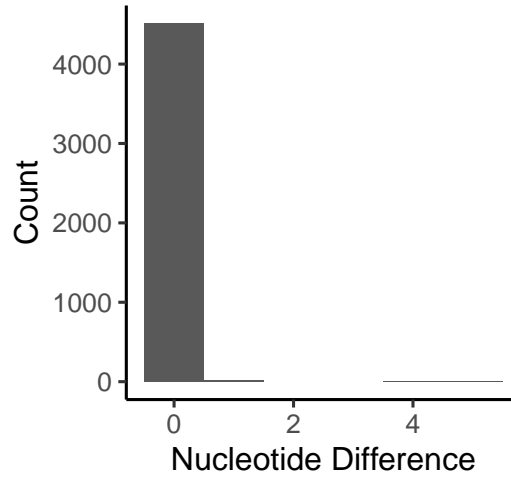
TRBV3-12*ap01

18131 sequences assigned
18067 (99.6%) exact matches, in which:
18036 unique CDR3
13 unique J



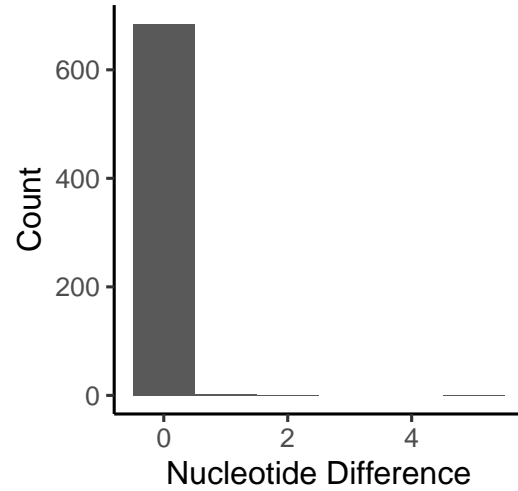
TRBV4-2*ap01

4530 sequences assigned
4512 (99.6%) exact matches, in which:
4509 unique CDR3
13 unique J



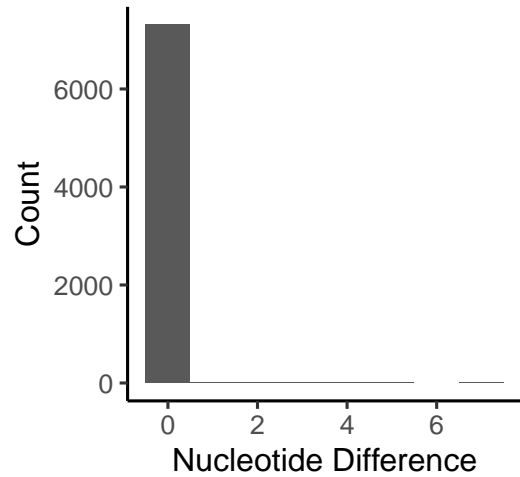
TRBV5-3*ap01

689 sequences assigned
685 (99.4%) exact matches, in which:
684 unique CDR3
13 unique J



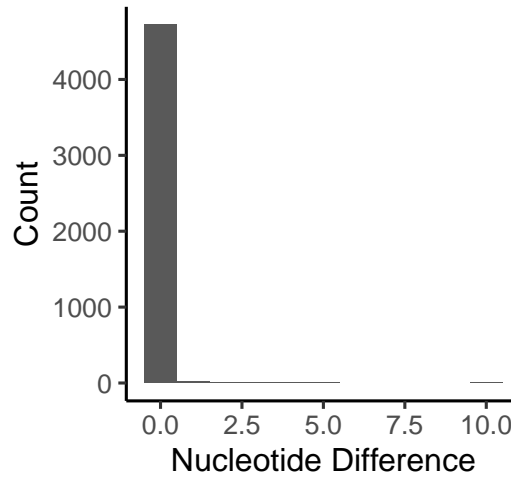
TRBV24-1*ap01

7337 sequences assigned
7311 (99.6%) exact matches, in which:
7296 unique CDR3
13 unique J



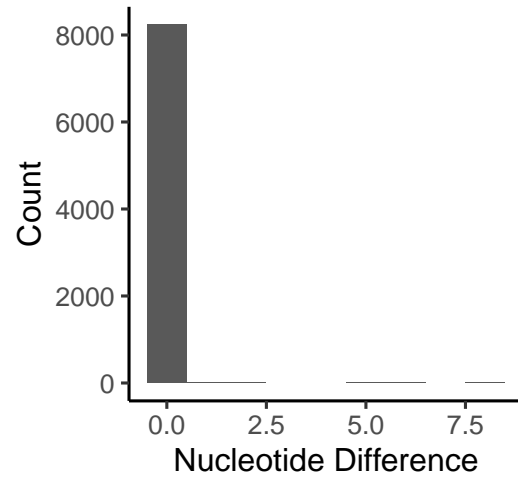
TRBV25-1*ap01

4747 sequences assigned
4721 (99.5%) exact matches, in which:
4712 unique CDR3
13 unique J



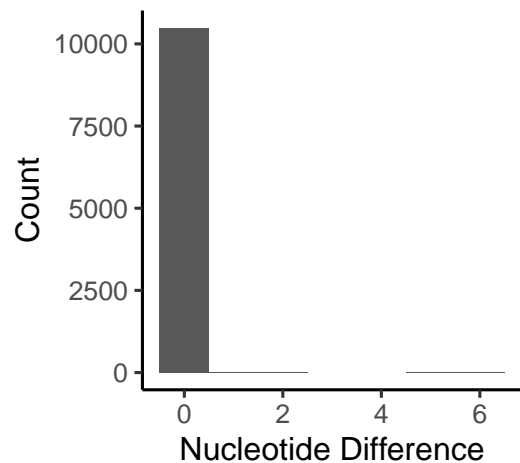
TRBV5-4*ap01

8257 sequences assigned
8236 (99.7%) exact matches, in which:
8232 unique CDR3
13 unique J



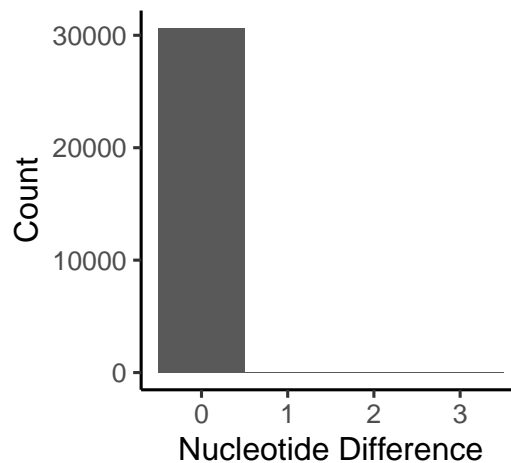
TRBV4-1*ap01

10509 sequences assigned
10489 (99.8%) exact matches, in which:
10484 unique CDR3
13 unique J



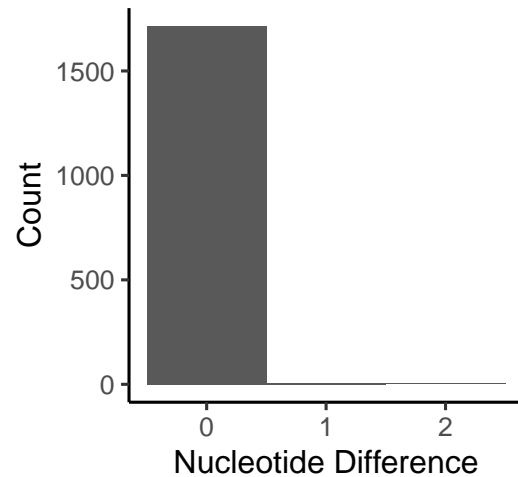
TRBV5-1*ap01

30720 sequences assigned
30667 (99.8%) exact matches, in which:
30630 unique CDR3
13 unique J



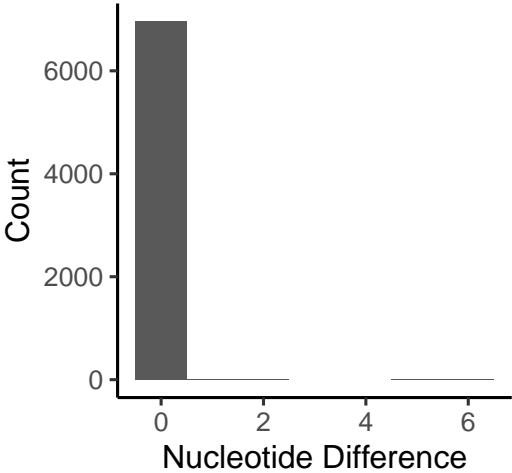
TRBV5-5*ap01

1724 sequences assigned
1715 (99.5%) exact matches, in which:
1710 unique CDR3
13 unique J



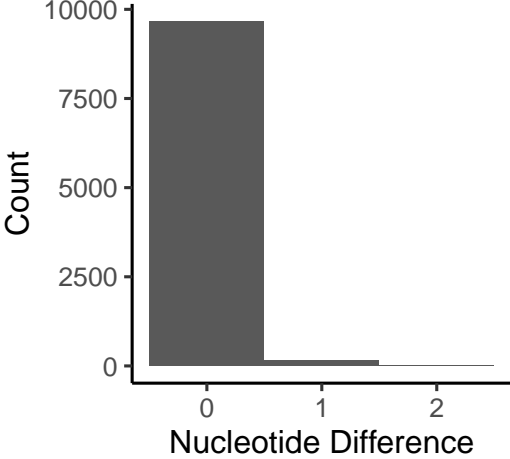
TRBV5-6*ap01

6978 sequences assigned
6960 (99.7%) exact matches, in which:
6935 unique CDR3
13 unique J



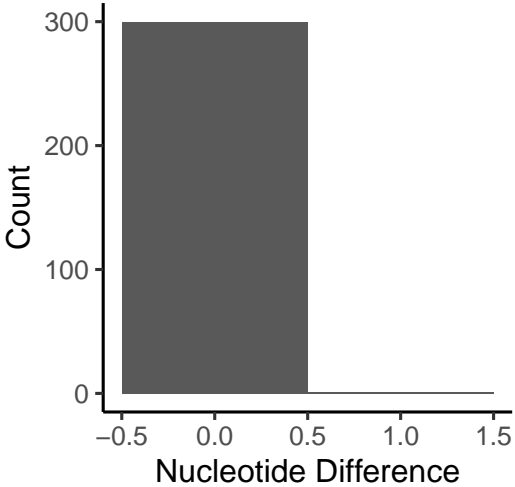
TRBV6-1*ap01

9824 sequences assigned
9669 (98.4%) exact matches, in which:
9663 unique CDR3
13 unique J



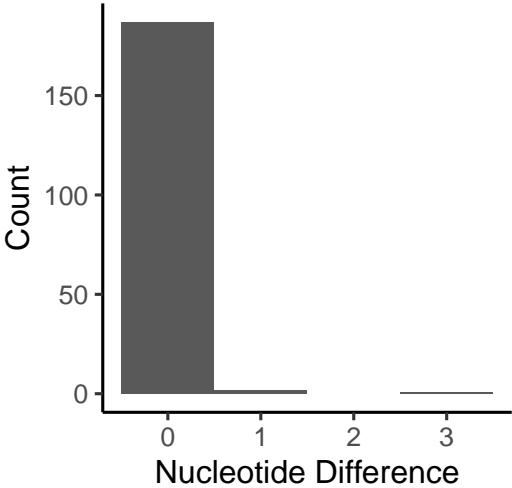
TRBV6-8*ap01

301 sequences assigned
300 (99.7%) exact matches, in which:
299 unique CDR3
13 unique J



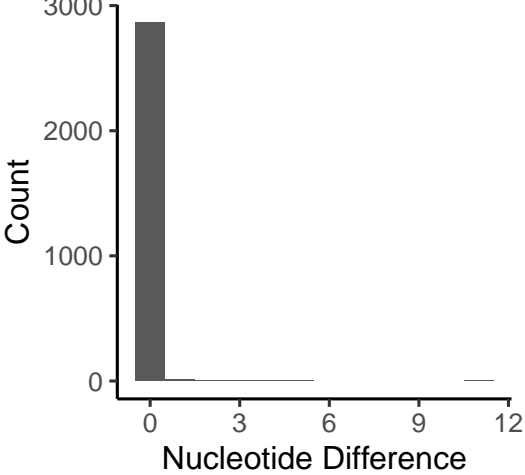
TRBV5-7*ap01

190 sequences assigned
187 (98.4%) exact matches, in which:
187 unique CDR3
13 unique J



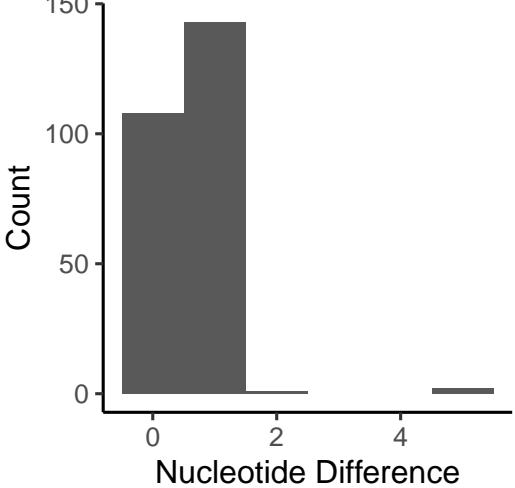
TRBV6-4*ap01

2884 sequences assigned
2863 (99.3%) exact matches, in which:
2861 unique CDR3
13 unique J



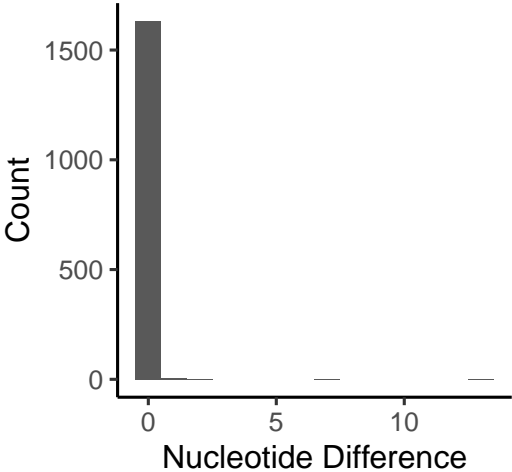
TRBV6-9*ap01

254 sequences assigned
108 (42.5%) exact matches, in which:
108 unique CDR3
13 unique J



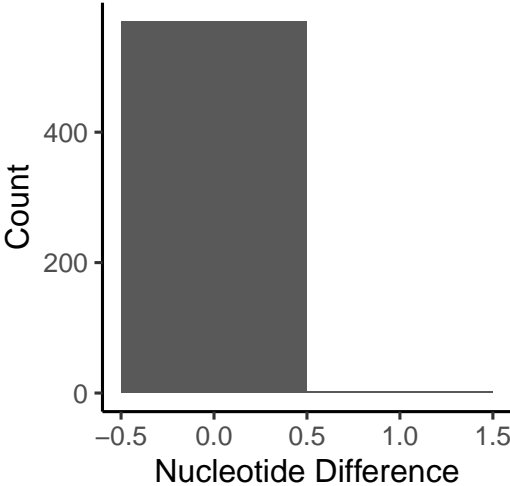
TRBV5-8*ap01

1642 sequences assigned
1632 (99.4%) exact matches, in which:
1632 unique CDR3
13 unique J



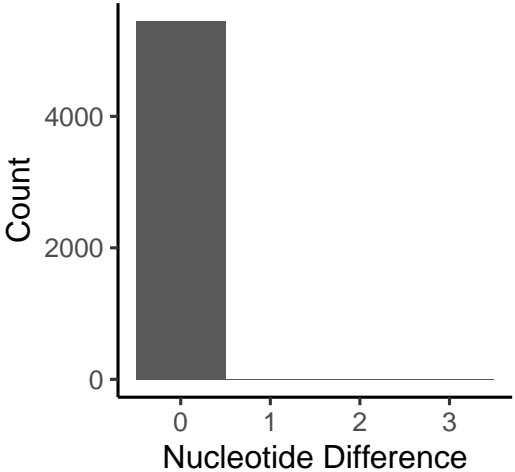
TRBV6-7*ap01

573 sequences assigned
570 (99.5%) exact matches, in which:
569 unique CDR3
13 unique J



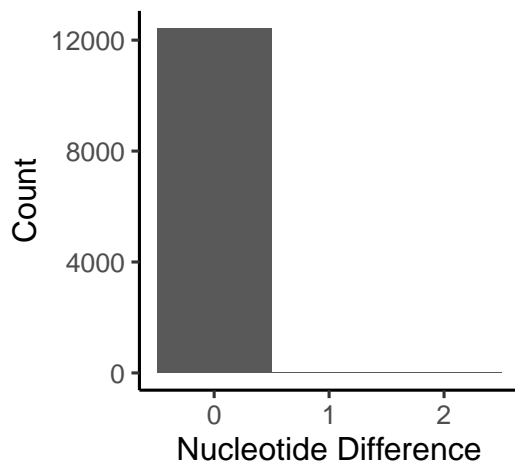
TRBV6-23*ap01

5460 sequences assigned
5449 (99.8%) exact matches, in which:
5443 unique CDR3
13 unique J



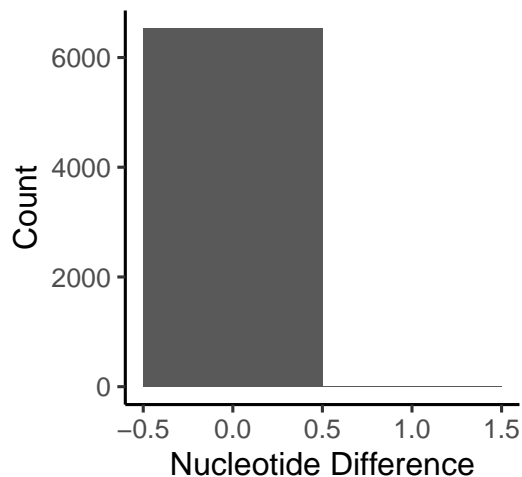
TRBV6-56*ap01

12452 sequences assigned
12432 (99.8%) exact matches, in which:
12419 unique CDR3
13 unique J



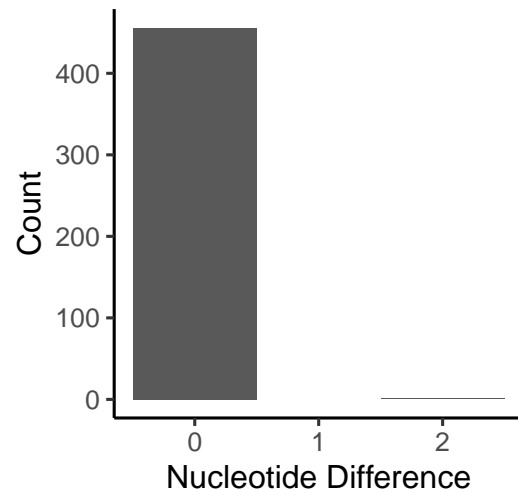
TRBV7-2*ap01

6539 sequences assigned
6531 (99.9%) exact matches, in which:
6530 unique CDR3
13 unique J



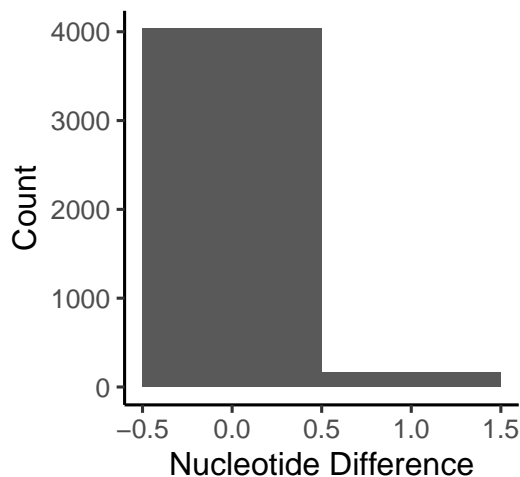
TRBV7-4*ap01

457 sequences assigned
456 (99.8%) exact matches, in which:
456 unique CDR3
13 unique J



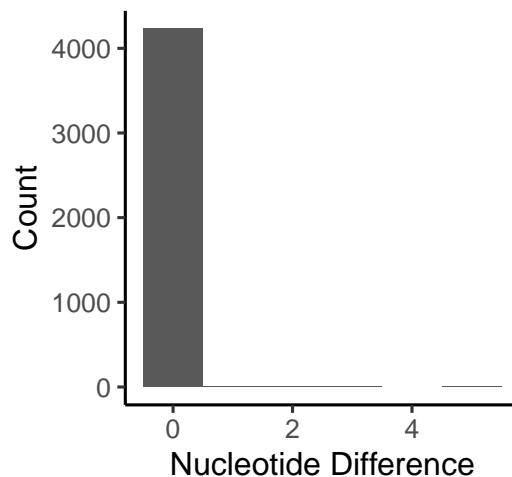
TRBV6-56*ap02

4201 sequences assigned
4034 (96%) exact matches, in which:
4033 unique CDR3
13 unique J



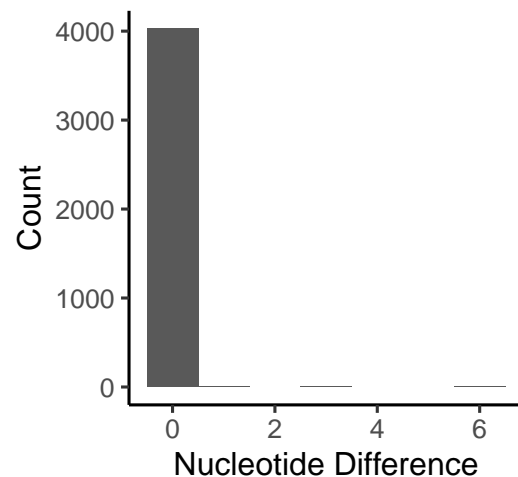
TRBV7-3*ap01

4241 sequences assigned
4231 (99.8%) exact matches, in which:
4226 unique CDR3
13 unique J



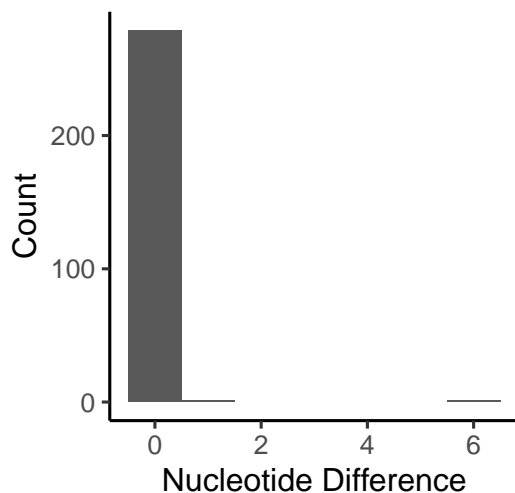
TRBV7-6*ap01

4038 sequences assigned
4027 (99.7%) exact matches, in which:
4024 unique CDR3
13 unique J



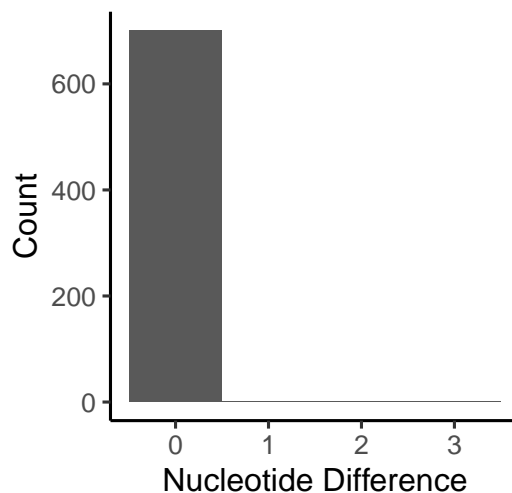
TRBV7-1*ap01_G291C_

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



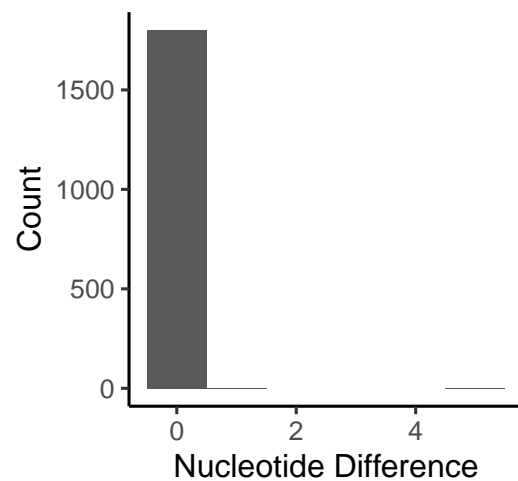
TRBV7-3*ap03

704 sequences assigned
701 (99.6%) exact matches, in which:
701 unique CDR3
12 unique J



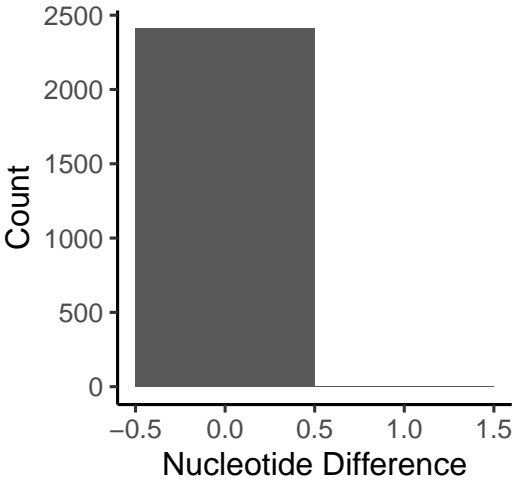
TRBV7-7*ap01

1805 sequences assigned
1801 (99.8%) exact matches, in which:
1801 unique CDR3
13 unique J



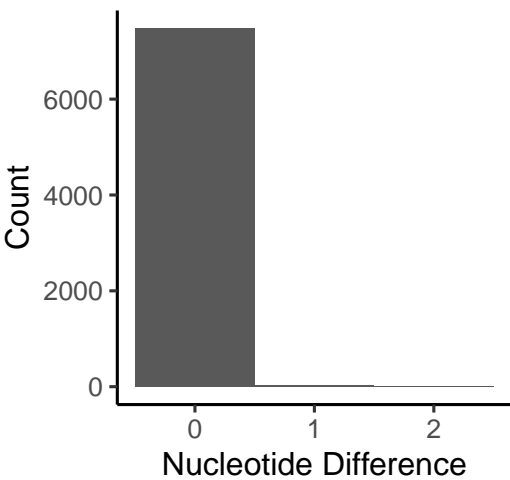
TRBV7-8*ap01

2414 sequences assigned
2411 (99.9%) exact matches, in which:
2409 unique CDR3
13 unique J



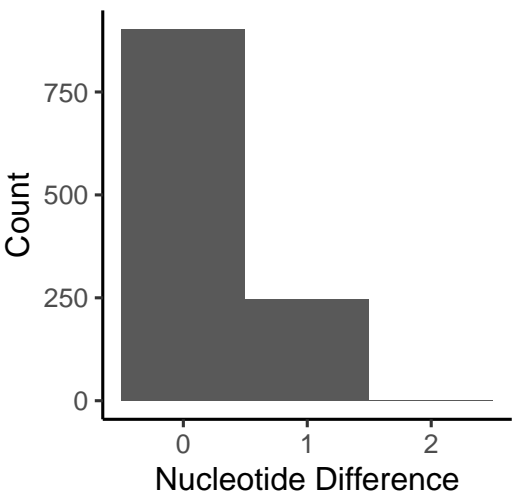
TRBV29-1*ap01

7516 sequences assigned
7476 (99.5%) exact matches, in which:
7453 unique CDR3
13 unique J



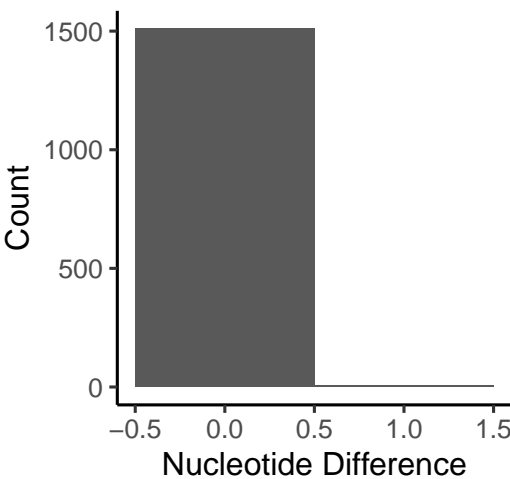
TRBV7-8*ap03

1151 sequences assigned
903 (78.5%) exact matches, in which:
903 unique CDR3
13 unique J



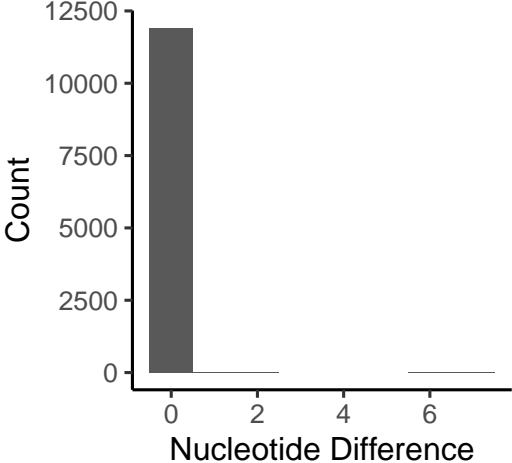
TRBV29-1*ap02

1515 sequences assigned
1510 (99.7%) exact matches, in which:
1508 unique CDR3
13 unique J



TRBV7-9*ap01

11938 sequences assigned
11917 (99.8%) exact matches, in which:
11913 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

