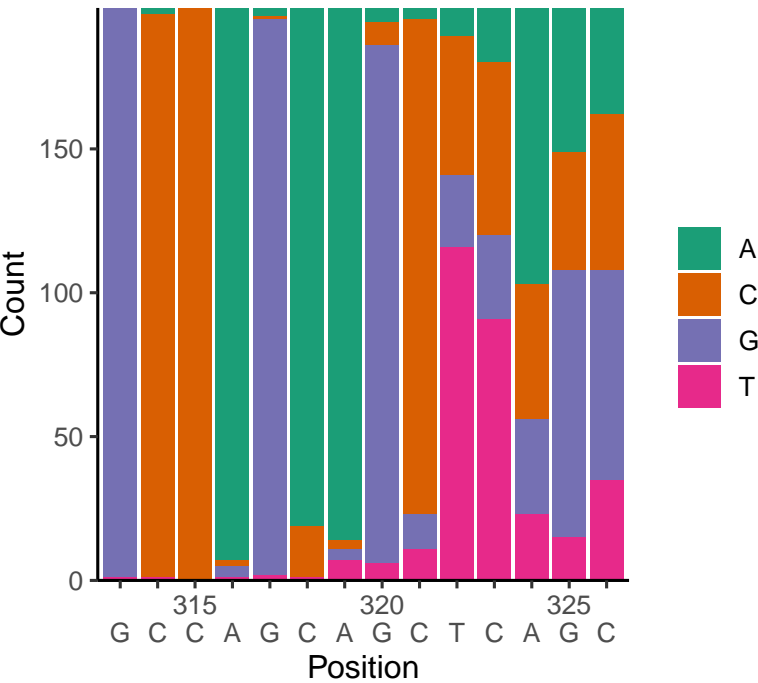
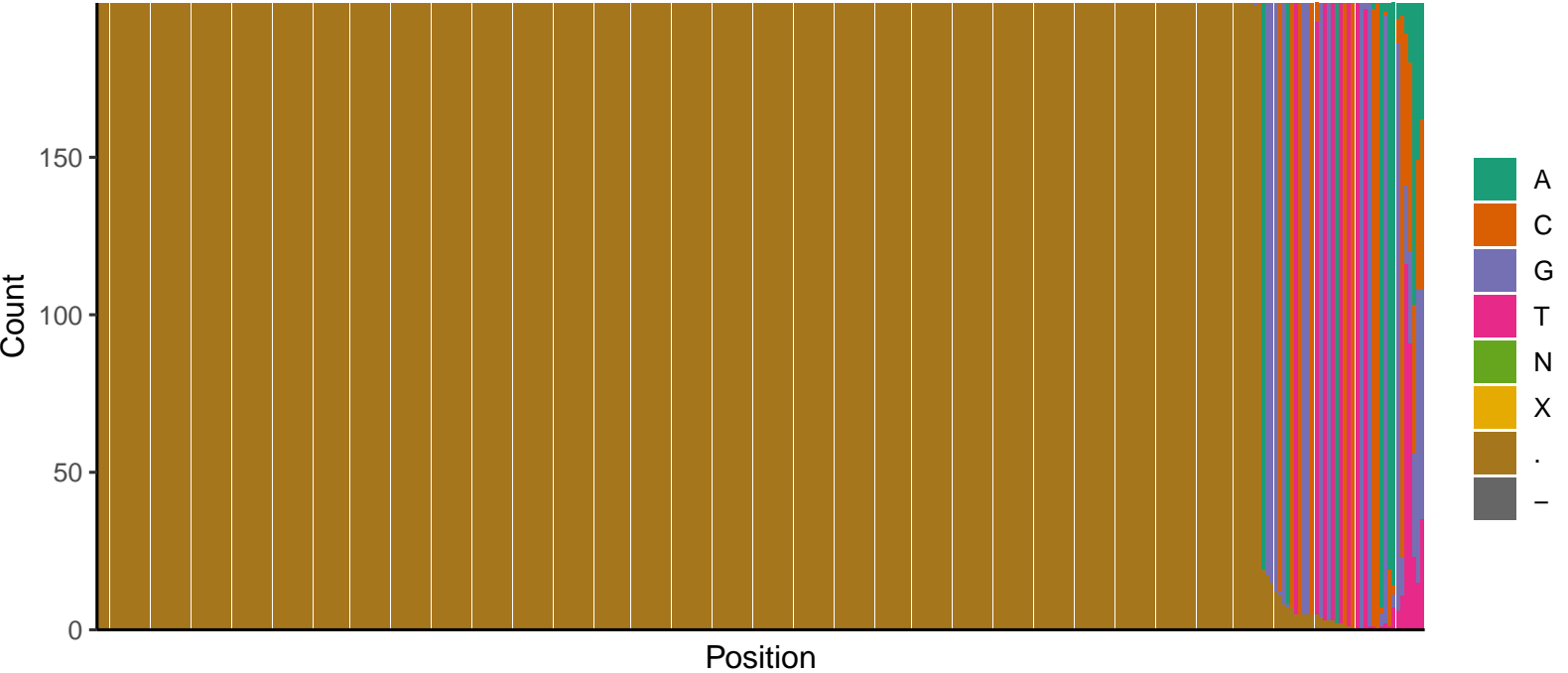


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C



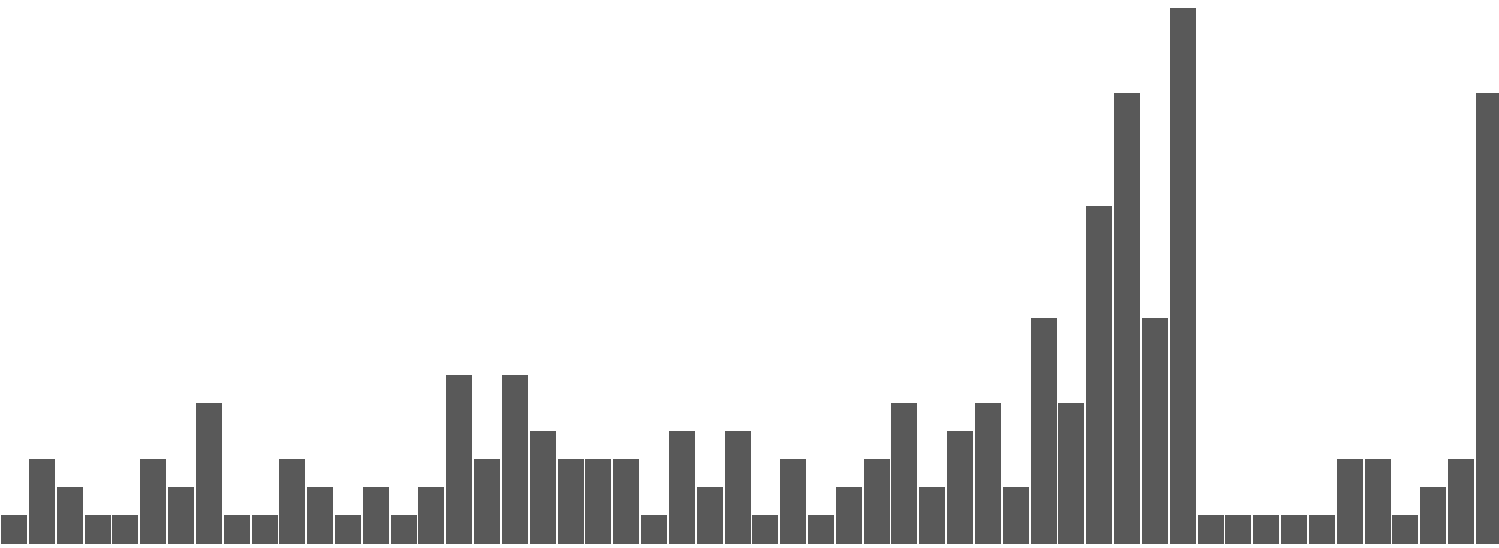
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

Count

15
10
5
0

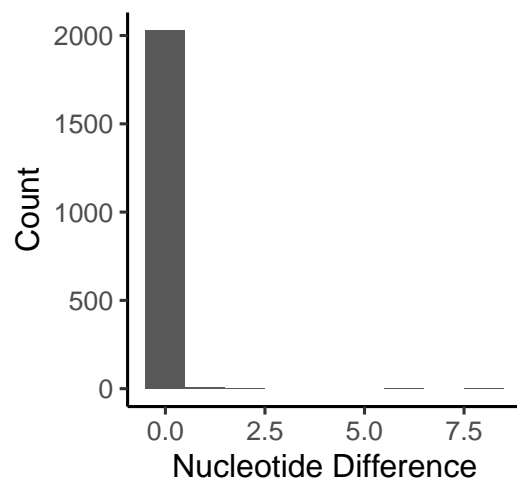
Triplet

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



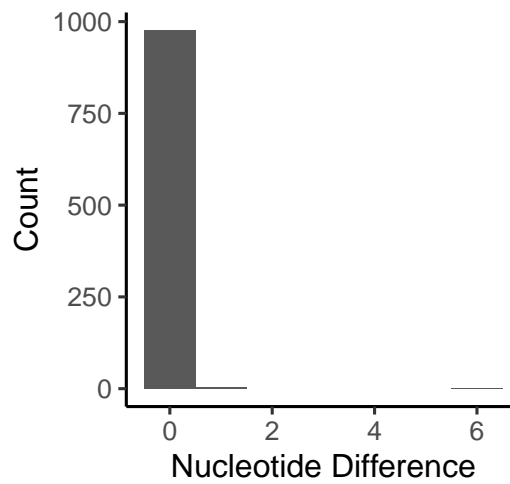
TRBV10-1*ap01

2045 sequences assigned
2029 (99.2%) exact matches, in which:
1995 unique CDR3
13 unique J



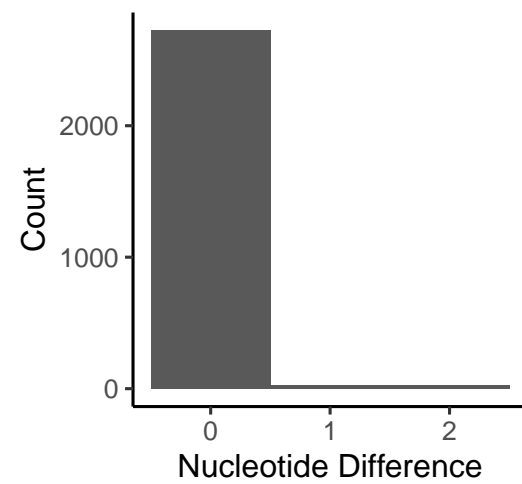
TRBV10-2*ap01

982 sequences assigned
976 (99.4%) exact matches, in which:
963 unique CDR3
13 unique J



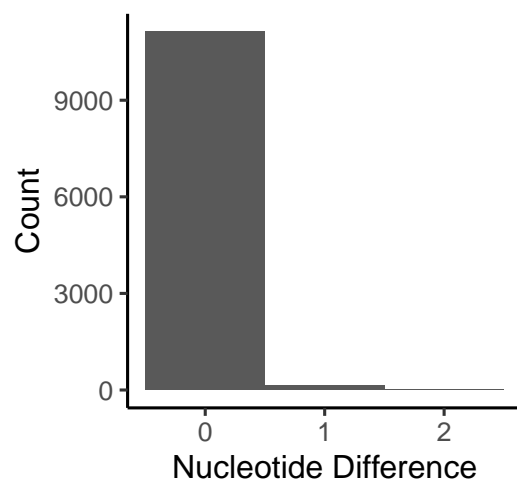
TRBV13*ap01

2780 sequences assigned
2725 (98%) exact matches, in which:
2684 unique CDR3
13 unique J



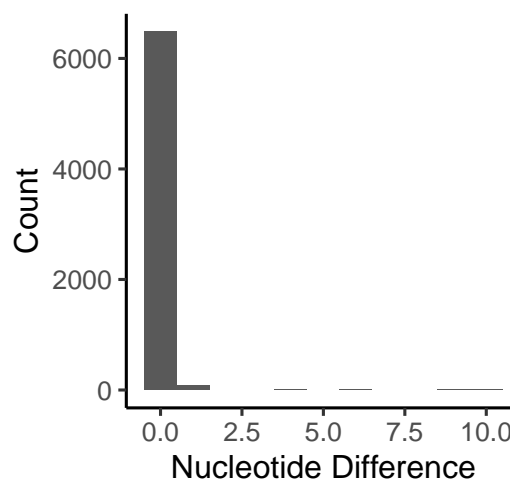
TRBV20-1*ap01

11271 sequences assigned
11128 (98.7%) exact matches, in which:
10998 unique CDR3
13 unique J



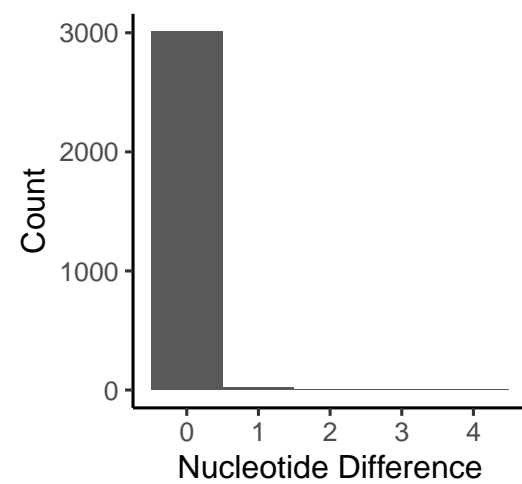
TRBV10-3*ap01

6561 sequences assigned
6483 (98.8%) exact matches, in which:
6376 unique CDR3
13 unique J



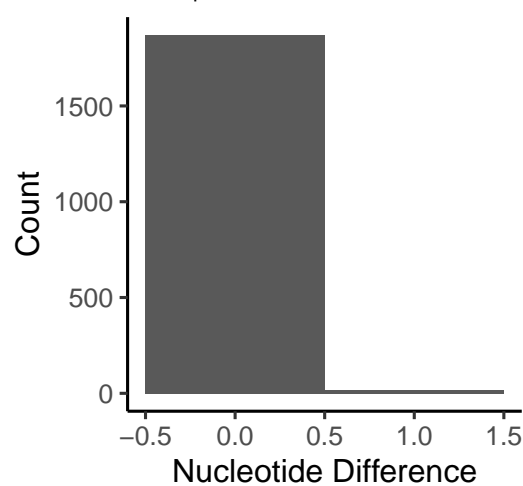
TRBV14*ap01

3038 sequences assigned
3009 (99%) exact matches, in which:
2962 unique CDR3
13 unique J



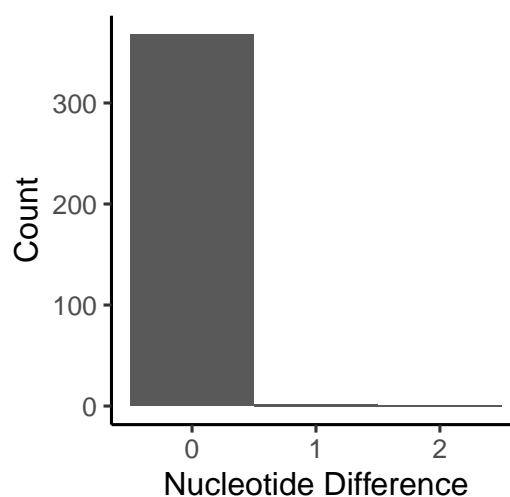
TRBV20-1*ap02

1886 sequences assigned
1870 (99.2%) exact matches, in which:
1851 unique CDR3
13 unique J



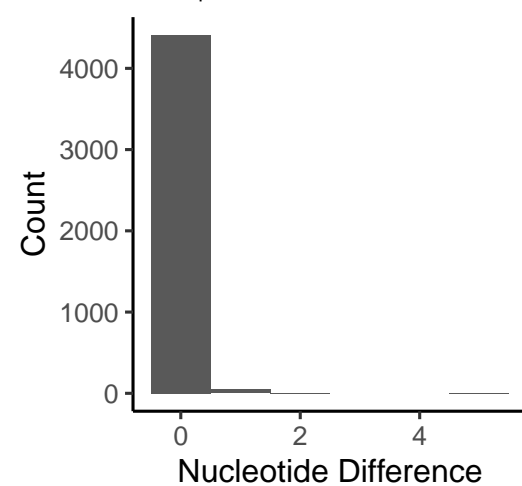
TRBV1*ap01

371 sequences assigned
368 (99.2%) exact matches, in which:
364 unique CDR3
13 unique J



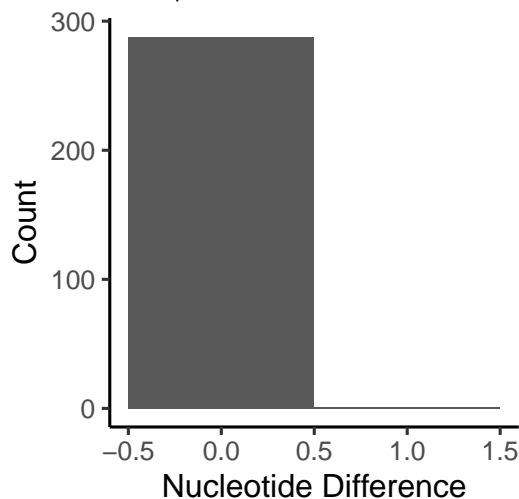
TRBV15*ap02

4457 sequences assigned
4410 (98.9%) exact matches, in which:
4353 unique CDR3
13 unique J



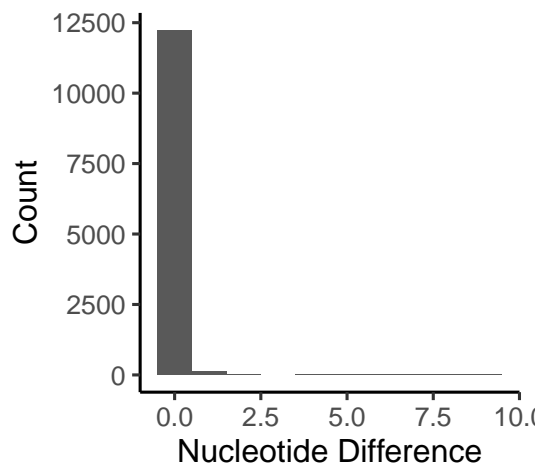
TRBV16*ap01

289 sequences assigned
288 (99.7%) exact matches, in which:
288 unique CDR3
13 unique J



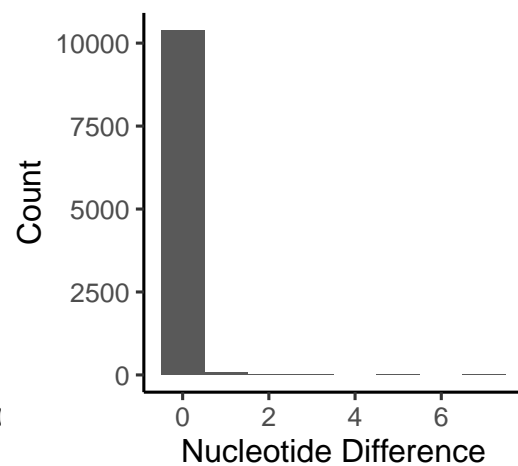
TRBV19*ap01

12384 sequences assigned
12235 (98.8%) exact matches, in which:
12152 unique CDR3
13 unique J



TRBV28*ap01

10488 sequences assigned
10391 (99.1%) exact matches, in which:
10252 unique CDR3
13 unique J



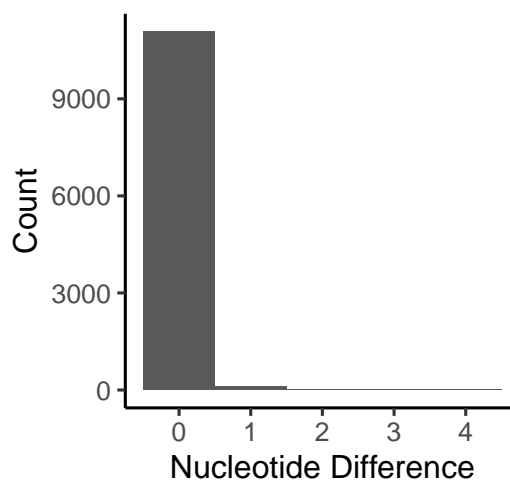
TRBV17*ap01

1 sequences assigned
No exact matches.



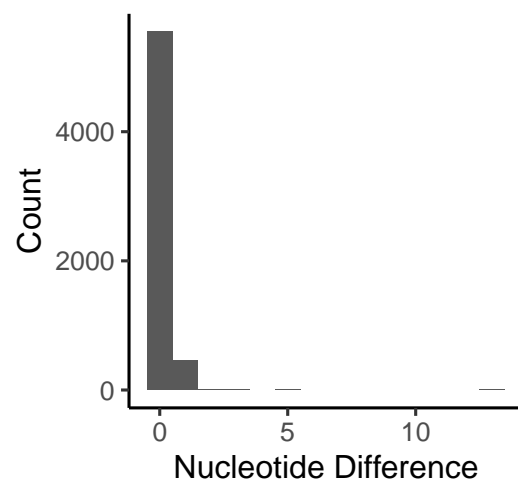
TRBV2*ap01

11197 sequences assigned
11074 (98.9%) exact matches, in which:
10934 unique CDR3
13 unique J



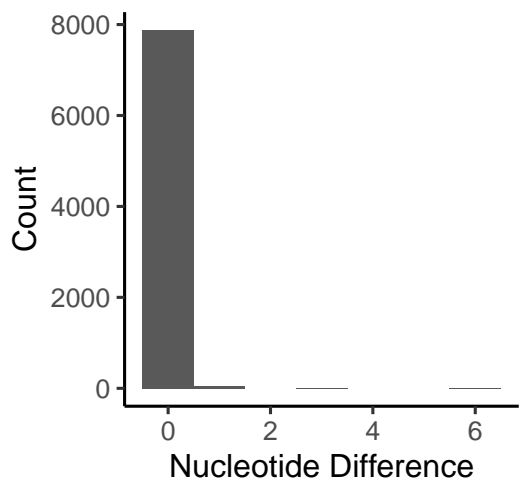
TRBV30*ap01

6024 sequences assigned
5548 (92.1%) exact matches, in which:
5500 unique CDR3
13 unique J



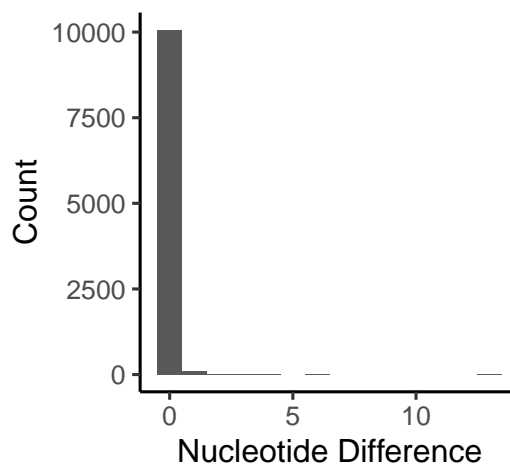
TRBV18*ap01

7929 sequences assigned
7879 (99.4%) exact matches, in which:
7800 unique CDR3
13 unique J



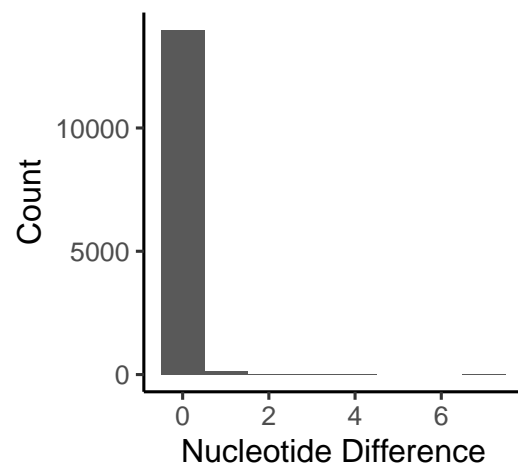
TRBV27*ap01

10193 sequences assigned
10067 (98.8%) exact matches, in which:
9921 unique CDR3
13 unique J



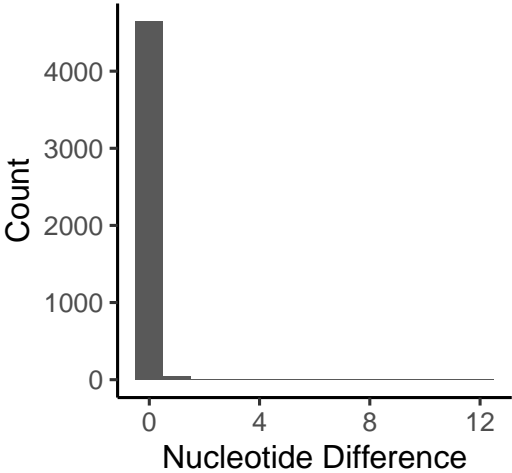
TRBV9*ap01

14134 sequences assigned
13982 (98.9%) exact matches, in which:
13799 unique CDR3
13 unique J



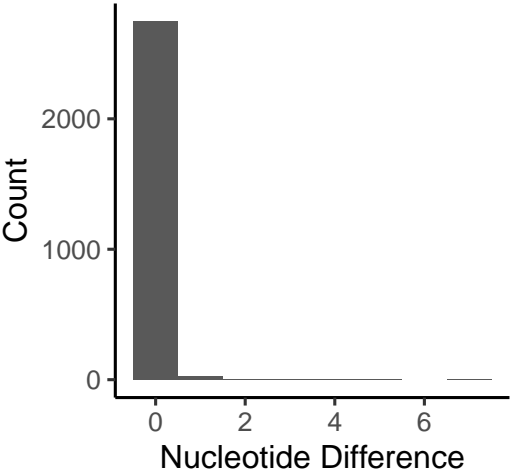
TRBV21-1*ap01

4711 sequences assigned
4645 (98.6%) exact matches, in which:
4596 unique CDR3
13 unique J



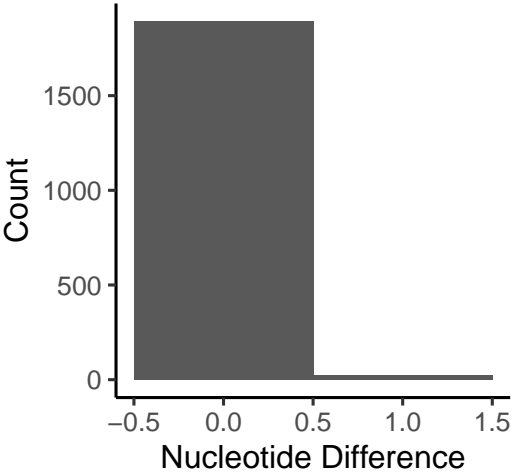
TRBV11-3*ap01

2782 sequences assigned
2747 (98.7%) exact matches, in which:
2705 unique CDR3
13 unique J



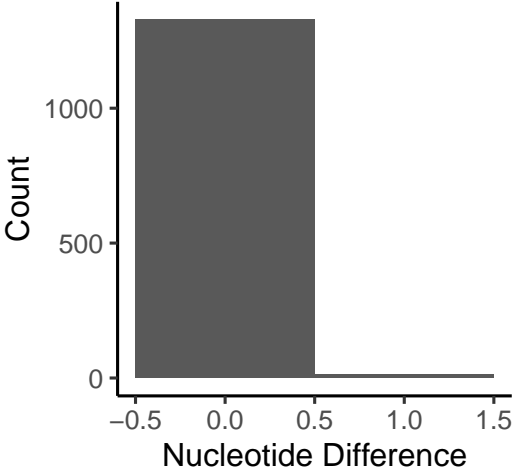
TRBV12-5*ap01

1918 sequences assigned
1892 (98.6%) exact matches, in which:
1866 unique CDR3
13 unique J



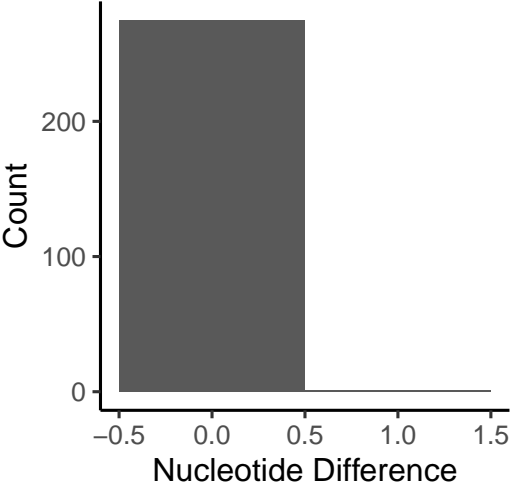
TRBV11-1*ap01

1341 sequences assigned
1328 (99%) exact matches, in which:
1313 unique CDR3
13 unique J



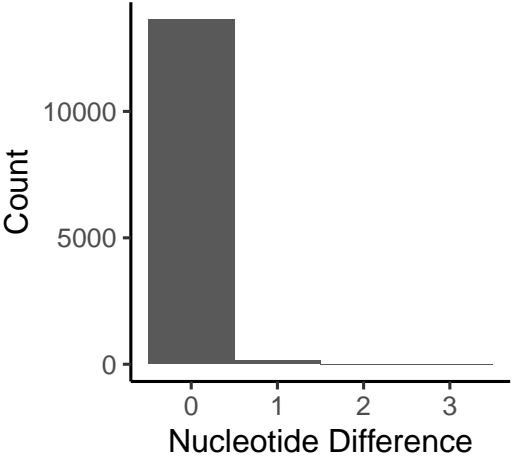
TRBV12-1*ap01

276 sequences assigned
275 (99.6%) exact matches, in which:
271 unique CDR3
13 unique J



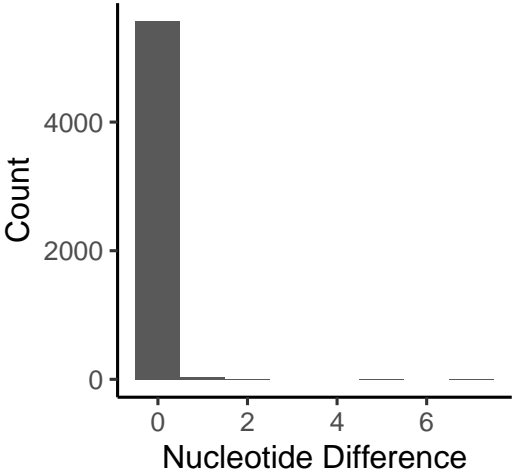
TRBV12-34*ap01

13798 sequences assigned
13636 (98.8%) exact matches, in which:
13443 unique CDR3
13 unique J



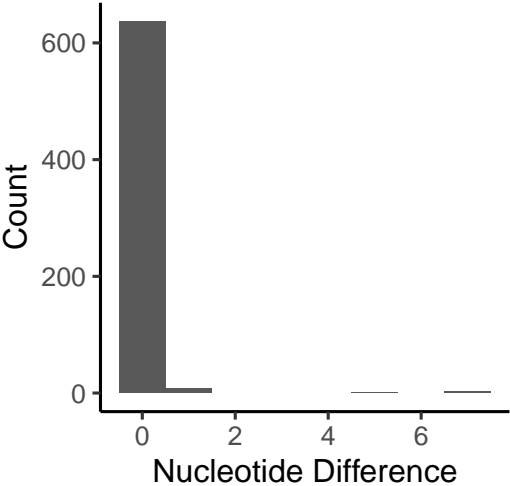
TRBV11-2*ap01

5610 sequences assigned
5571 (99.3%) exact matches, in which:
5476 unique CDR3
13 unique J



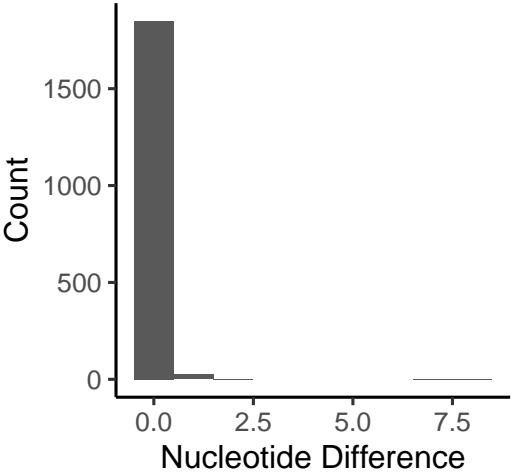
TRBV12-2*ap01

647 sequences assigned
637 (98.5%) exact matches, in which:
630 unique CDR3
13 unique J



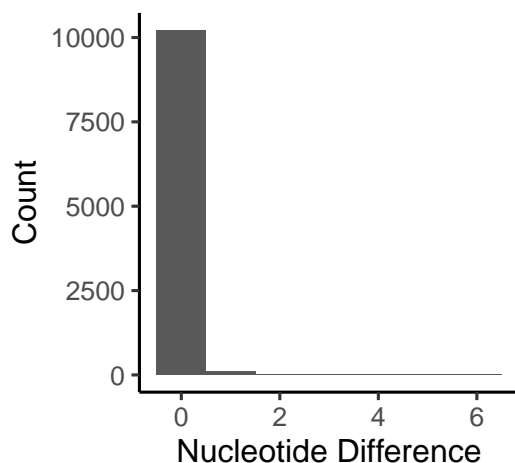
TRBV23-1*ap01

1878 sequences assigned
1849 (98.5%) exact matches, in which:
1833 unique CDR3
13 unique J



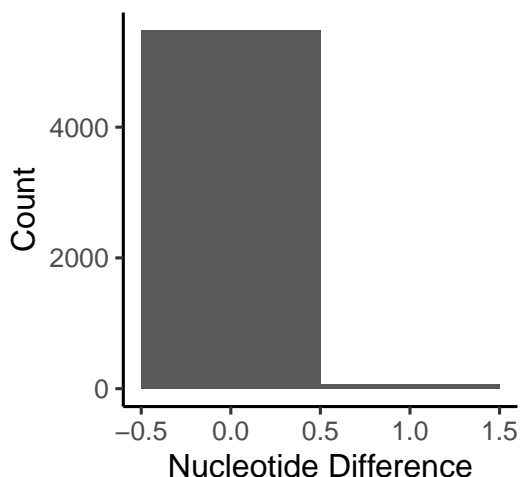
TRBV3-12*ap01

10338 sequences assigned
10218 (98.8%) exact matches, in which:
10091 unique CDR3
13 unique J



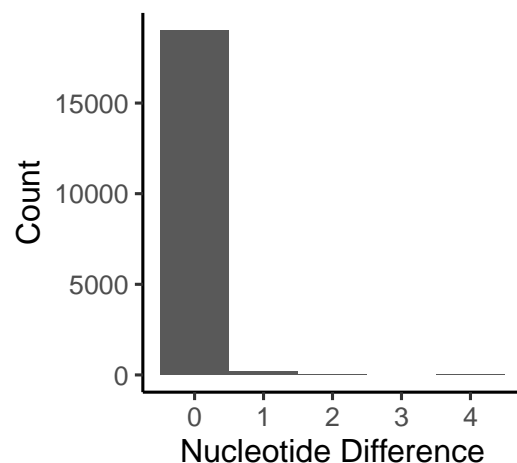
TRBV4-2*ap01

5544 sequences assigned
5480 (98.8%) exact matches, in which:
5398 unique CDR3
13 unique J



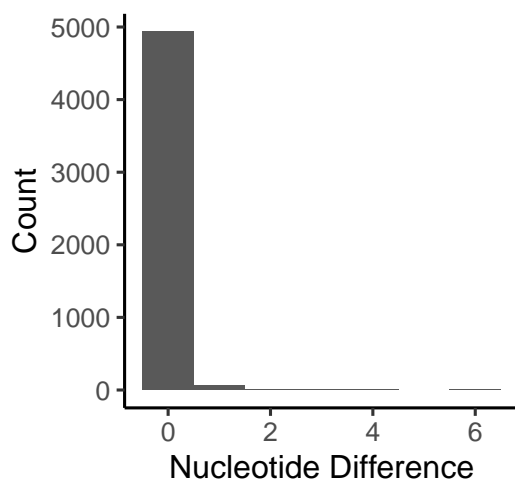
TRBV5-1*ap01

19203 sequences assigned
19023 (99.1%) exact matches, in which:
18666 unique CDR3
13 unique J



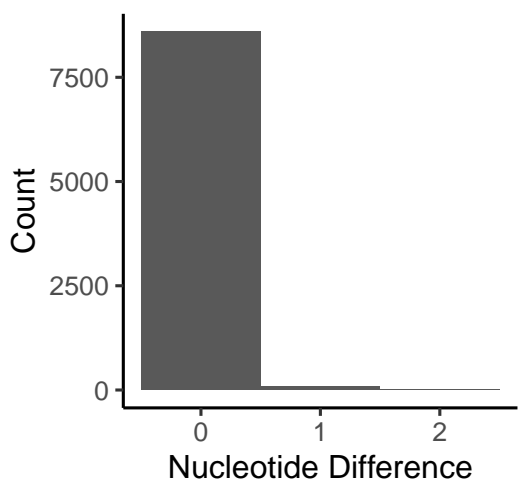
TRBV24-1*ap01

5003 sequences assigned
4935 (98.6%) exact matches, in which:
4867 unique CDR3
13 unique J



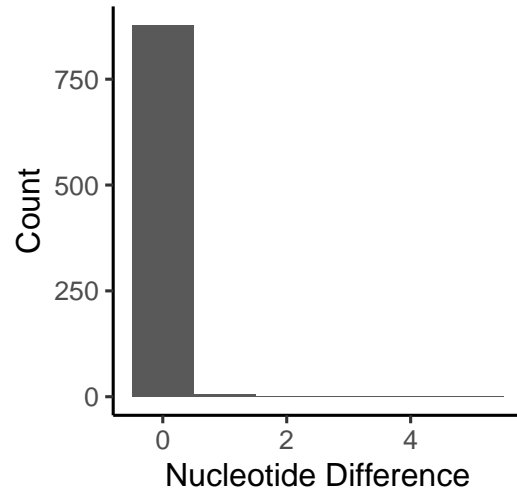
TRBV4-3*ap01

8685 sequences assigned
8593 (98.9%) exact matches, in which:
8462 unique CDR3
13 unique J



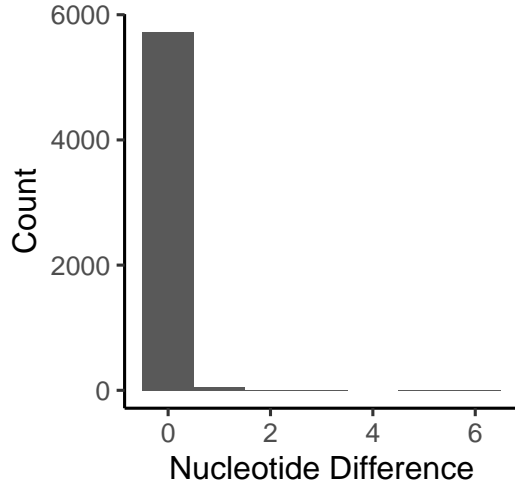
TRBV5-3*ap01

888 sequences assigned
878 (98.9%) exact matches, in which:
863 unique CDR3
13 unique J



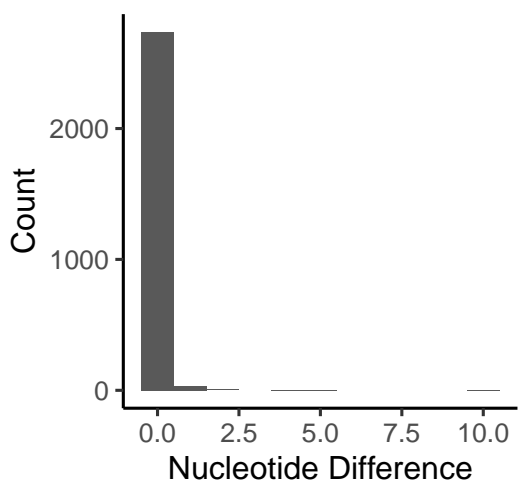
TRBV4-1*ap01

5781 sequences assigned
5723 (99%) exact matches, in which:
5635 unique CDR3
13 unique J



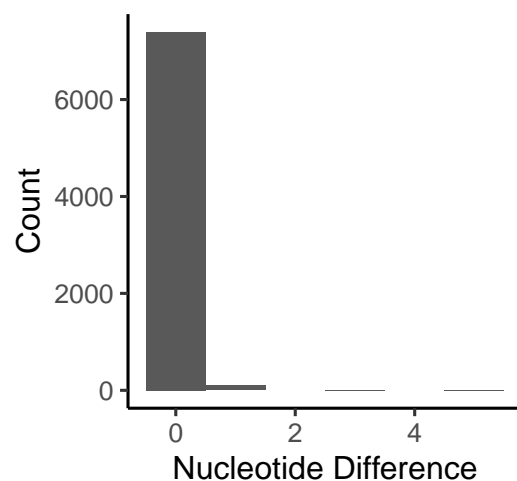
TRBV25-1*ap01

2780 sequences assigned
2737 (98.5%) exact matches, in which:
2688 unique CDR3
13 unique J



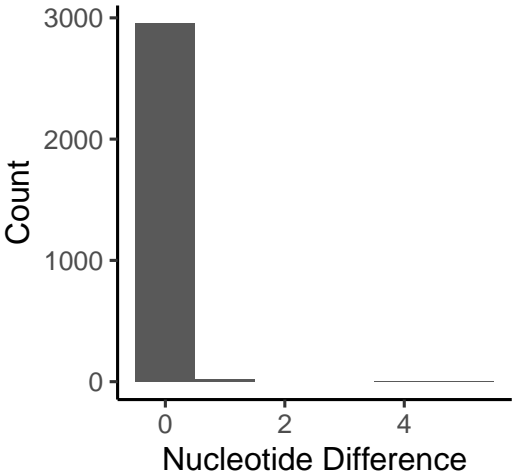
TRBV5-4*ap01

7497 sequences assigned
7393 (98.6%) exact matches, in which:
7283 unique CDR3
13 unique J



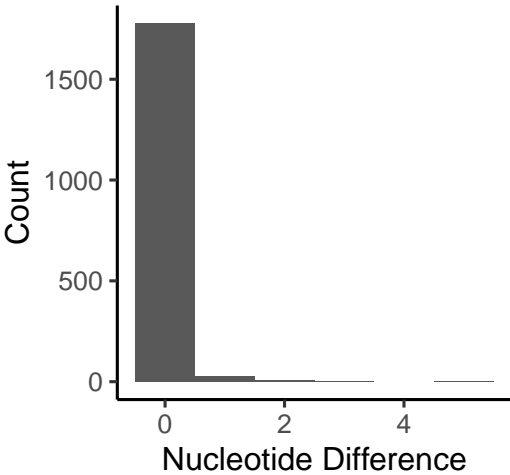
TRBV5-5*ap01

2979 sequences assigned
2954 (99.2%) exact matches, in which:
2927 unique CDR3
13 unique J



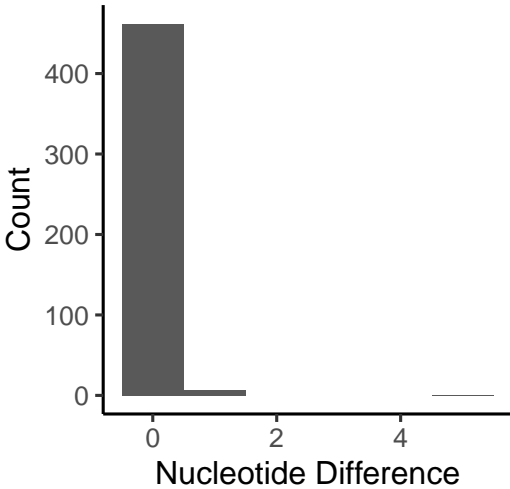
TRBV5-8*ap01

1814 sequences assigned
1777 (98%) exact matches, in which:
1759 unique CDR3
13 unique J



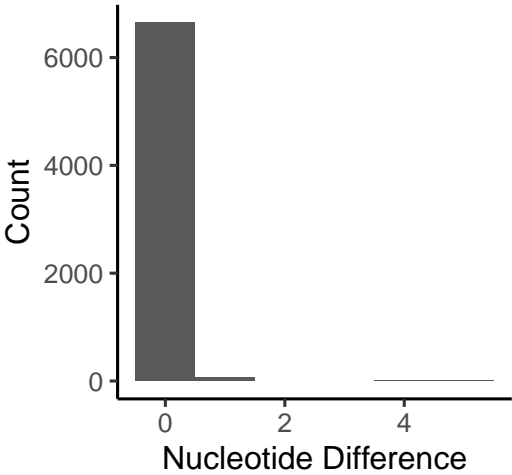
TRBV6-7*ap01

470 sequences assigned
462 (98.3%) exact matches, in which:
456 unique CDR3
13 unique J



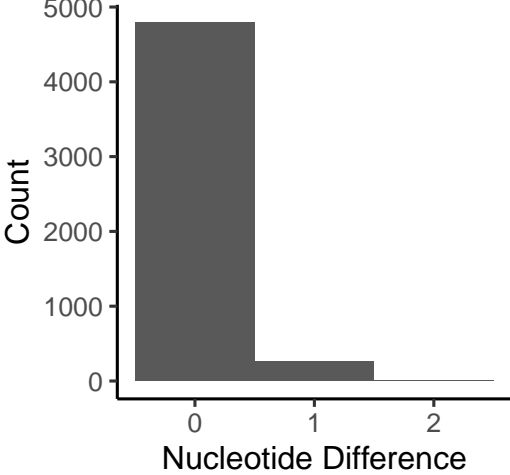
TRBV5-6*ap01

6709 sequences assigned
6646 (99.1%) exact matches, in which:
6555 unique CDR3
13 unique J



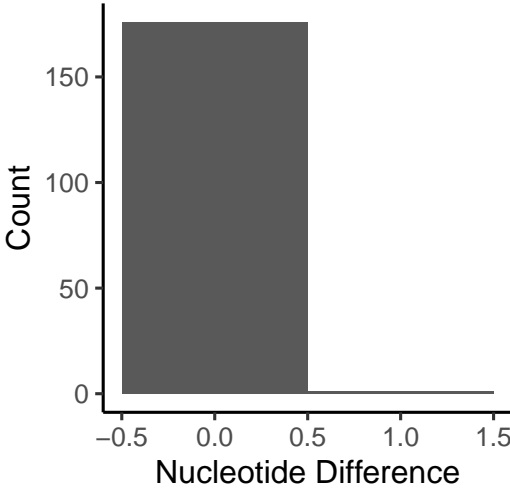
TRBV6-1*ap01

5051 sequences assigned
4790 (94.8%) exact matches, in which:
4720 unique CDR3
13 unique J



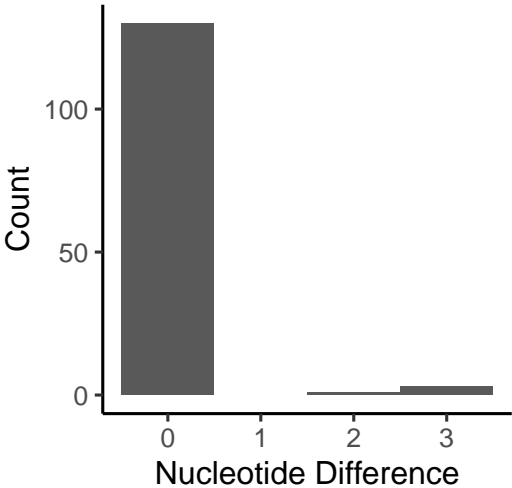
TRBV6-8*ap01

177 sequences assigned
176 (99.4%) exact matches, in which:
174 unique CDR3
13 unique J



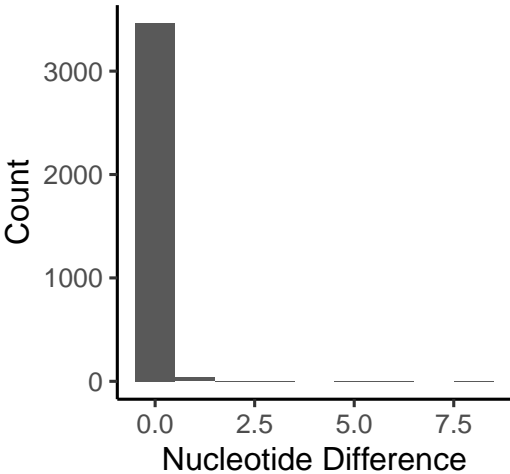
TRBV5-7*ap01

134 sequences assigned
130 (97%) exact matches, in which:
128 unique CDR3
12 unique J



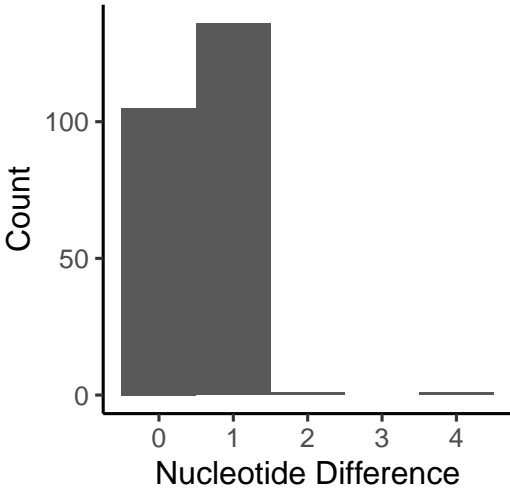
TRBV6-4*ap01

3515 sequences assigned
3465 (98.6%) exact matches, in which:
3420 unique CDR3
13 unique J



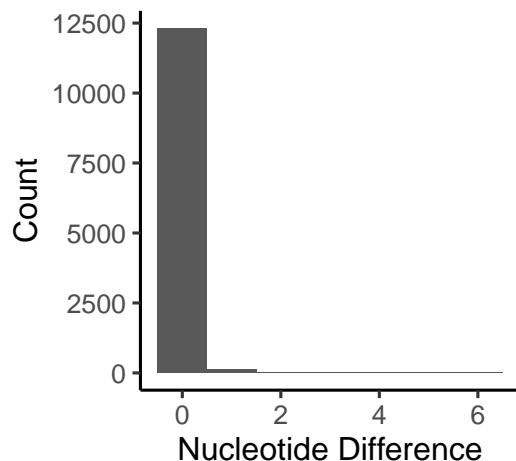
TRBV6-9*ap01

243 sequences assigned
105 (43.2%) exact matches, in which:
103 unique CDR3
13 unique J



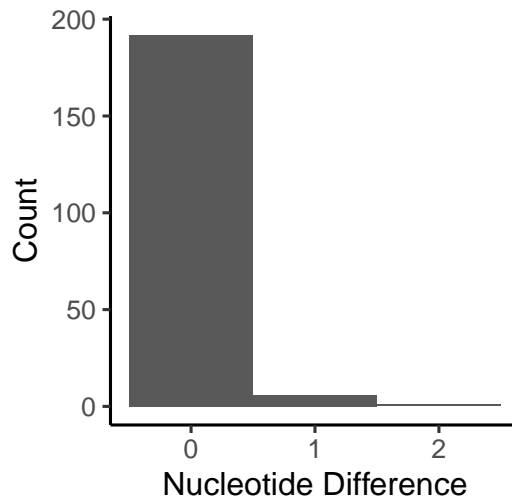
TRBV6-23*ap01

12439 sequences assigned
12319 (99%) exact matches, in which:
12144 unique CDR3
13 unique J



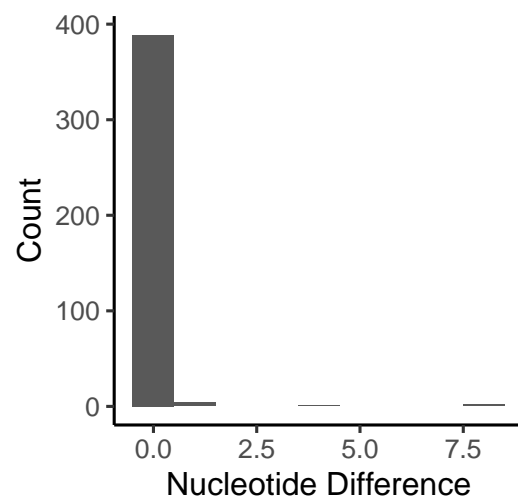
TRBV7-1*ap01_G291C_

199 sequences assigned
192 (96.5%) exact matches, in which:
191 unique CDR3
13 unique J



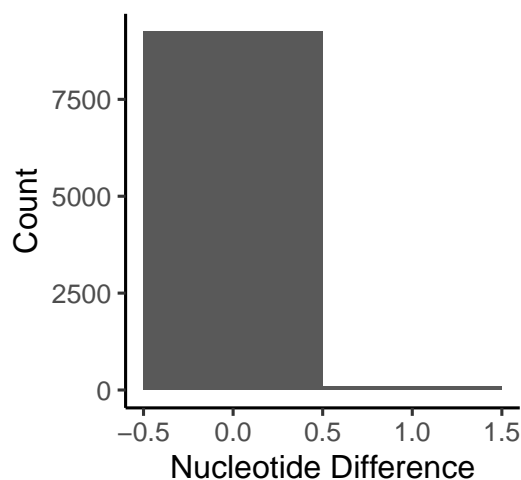
TRBV7-4*ap01

396 sequences assigned
389 (98.2%) exact matches, in which:
380 unique CDR3
13 unique J



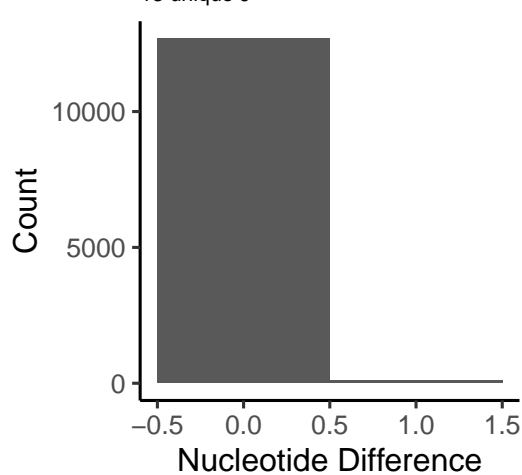
TRBV6-56*ap01

9328 sequences assigned
9245 (99.1%) exact matches, in which:
9098 unique CDR3
13 unique J



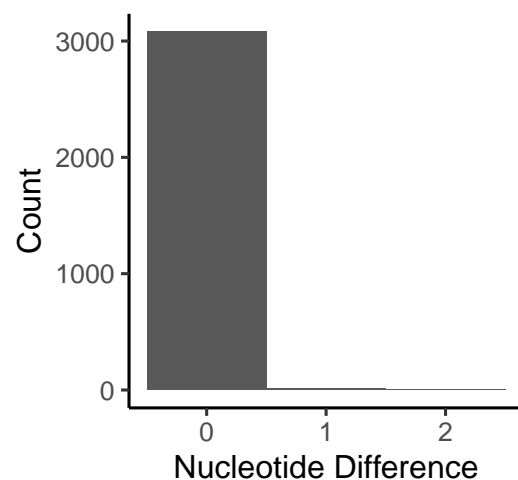
TRBV7-2*ap01

12798 sequences assigned
12690 (99.2%) exact matches, in which:
12534 unique CDR3
13 unique J



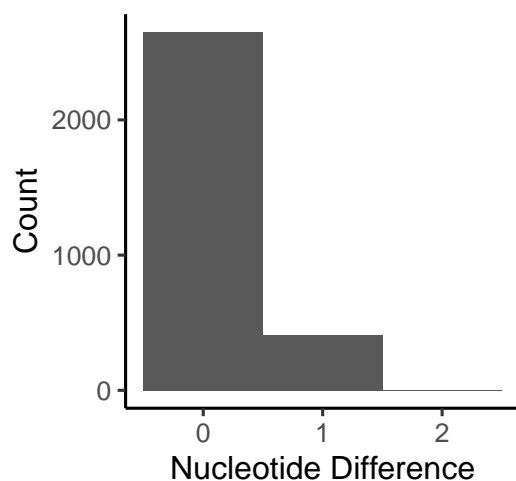
TRBV7-6*ap01

3097 sequences assigned
3080 (99.5%) exact matches, in which:
3039 unique CDR3
13 unique J



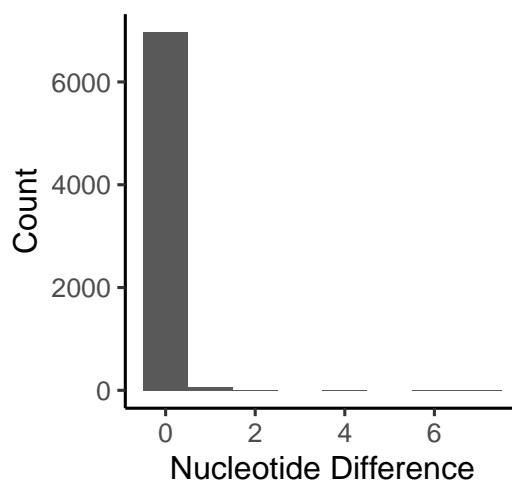
TRBV6-56*ap02

3063 sequences assigned
2650 (86.5%) exact matches, in which:
2610 unique CDR3
13 unique J



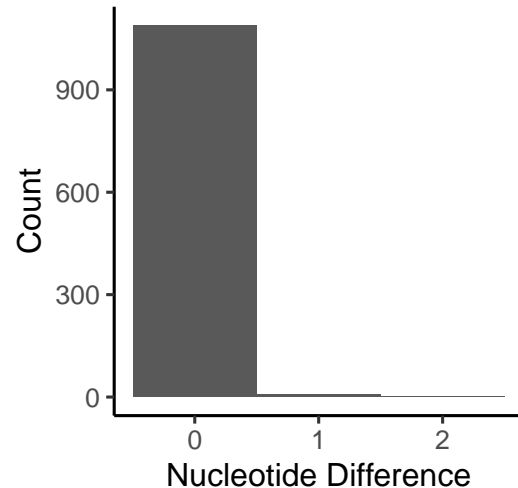
TRBV7-3*ap01

7047 sequences assigned
6971 (98.9%) exact matches, in which:
6887 unique CDR3
13 unique J



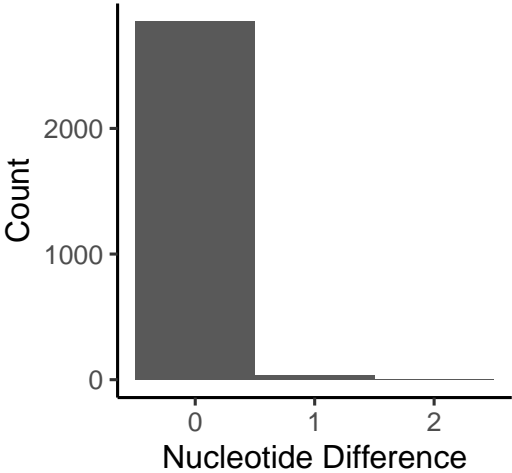
TRBV7-7*ap01

1097 sequences assigned
1089 (99.3%) exact matches, in which:
1071 unique CDR3
13 unique J



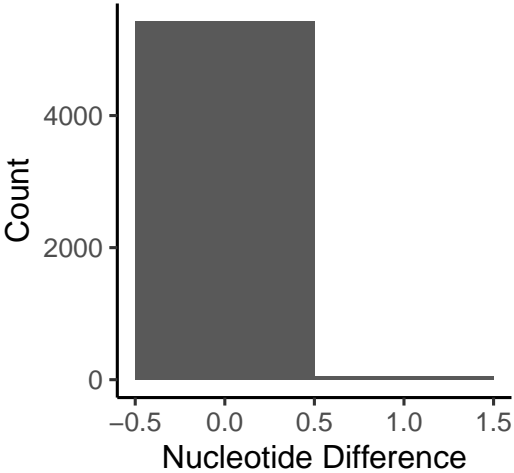
TRBV7-8*ap01

2887 sequences assigned
2852 (98.8%) exact matches, in which:
2809 unique CDR3
13 unique J



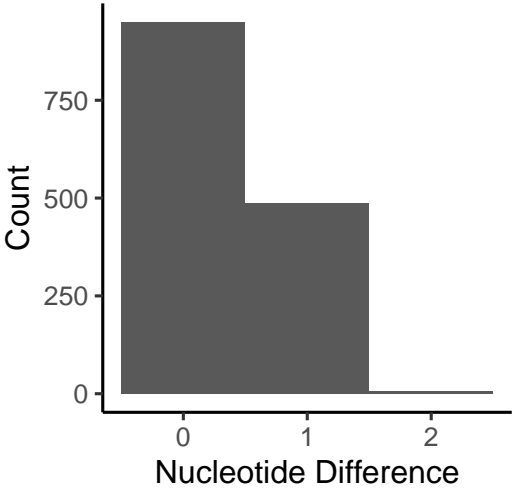
TRBV29-1*ap01

5476 sequences assigned
5426 (99.1%) exact matches, in which:
5375 unique CDR3
13 unique J



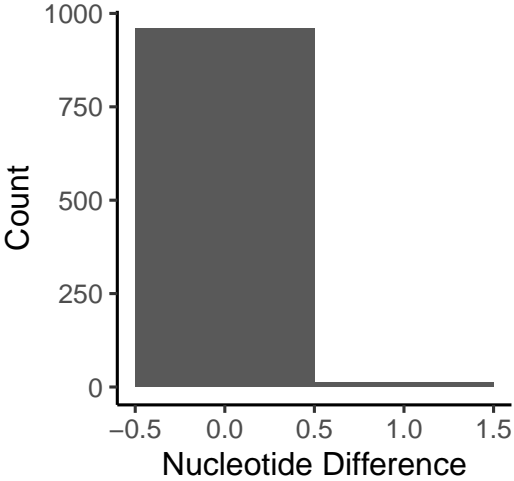
TRBV7-8*ap03

1444 sequences assigned
950 (65.8%) exact matches, in which:
937 unique CDR3
13 unique J



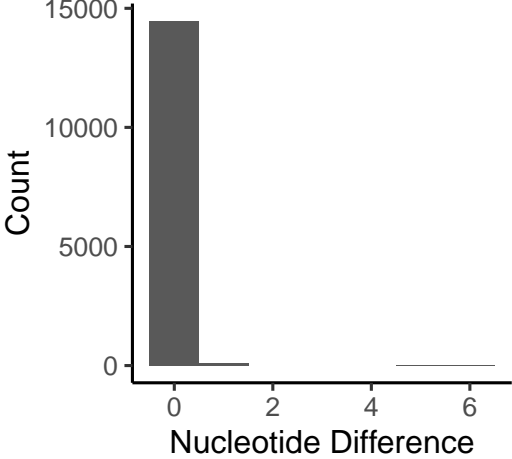
TRBV29-1*ap02

970 sequences assigned
959 (98.9%) exact matches, in which:
945 unique CDR3
13 unique J

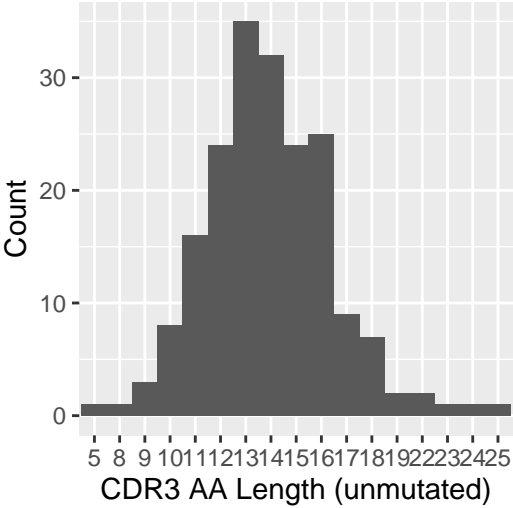


TRBV7-9*ap01

14597 sequences assigned
14476 (99.2%) exact matches, in which:
14338 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C





[illegible]