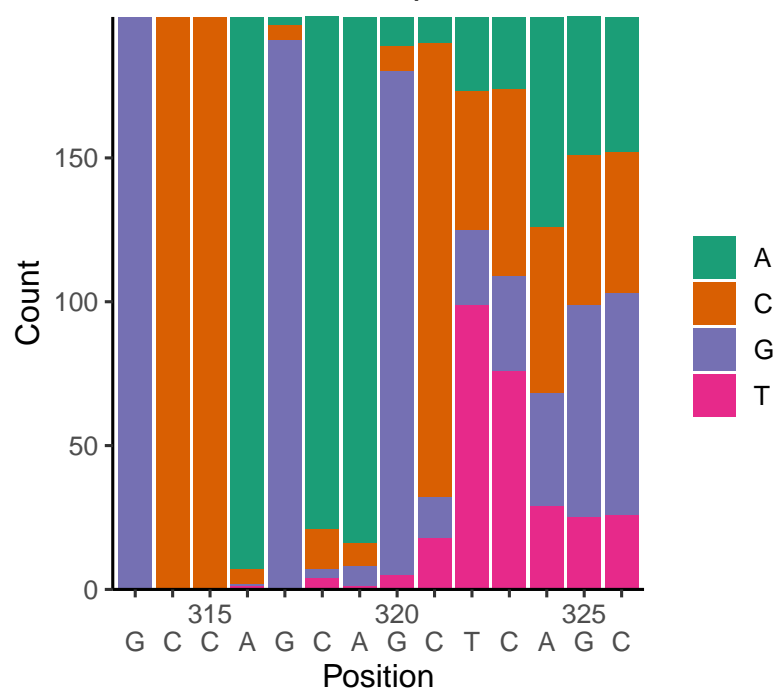
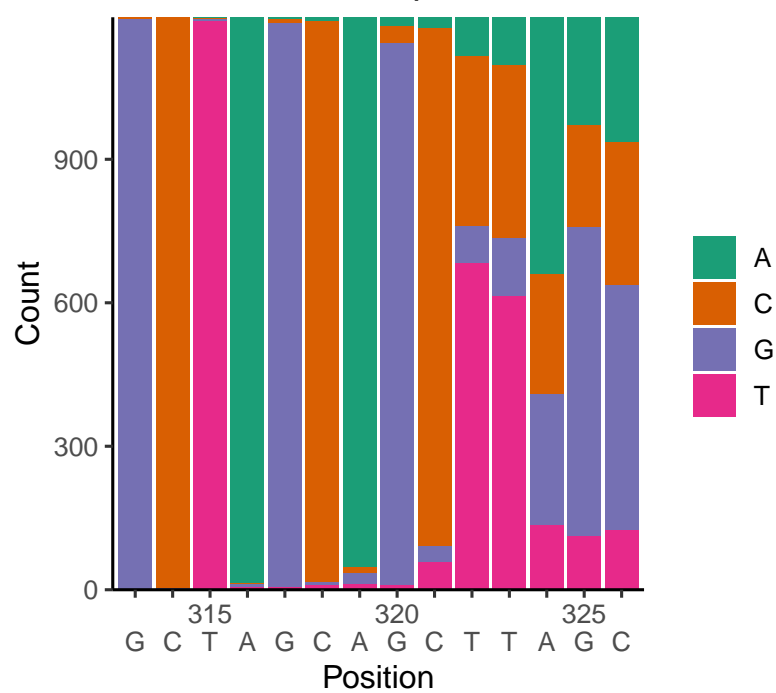


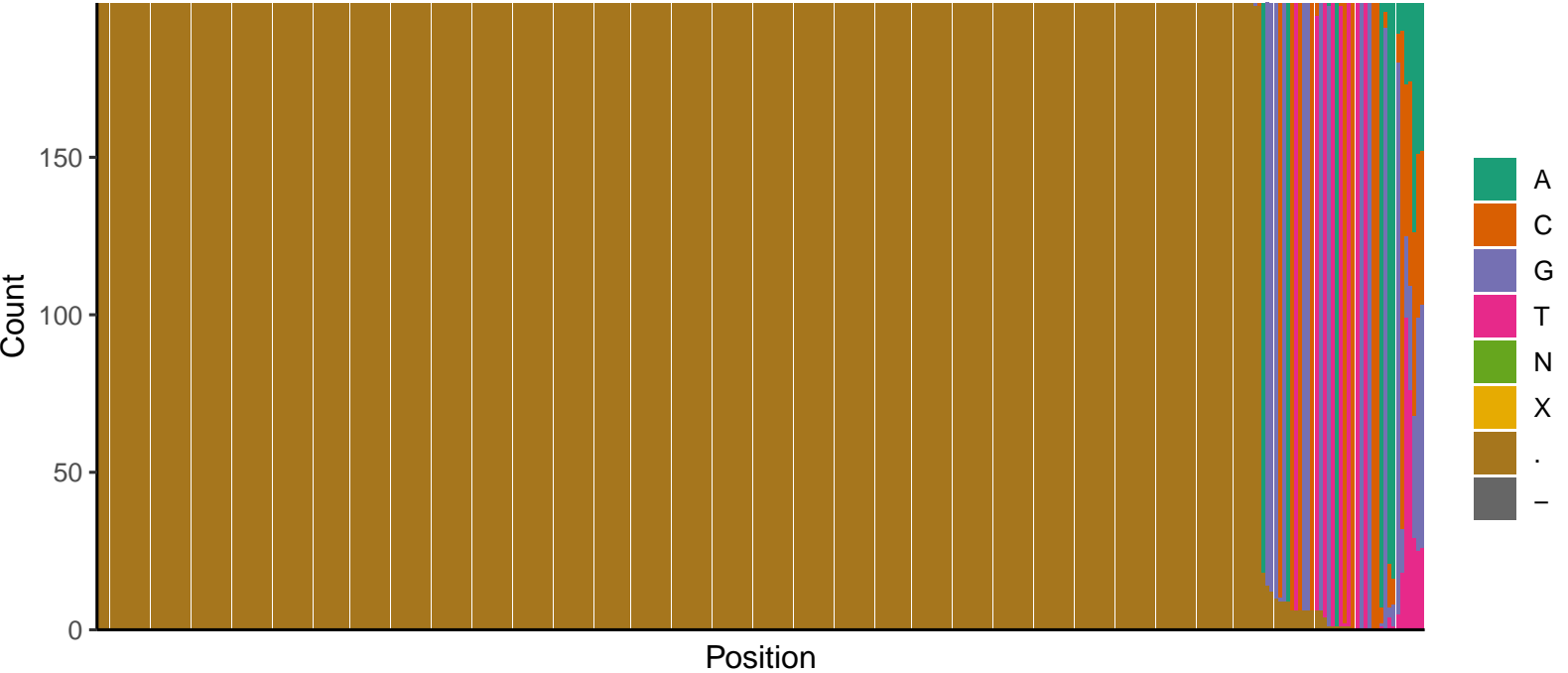
Gene TRBV7-1*ap01_G291C_T296C



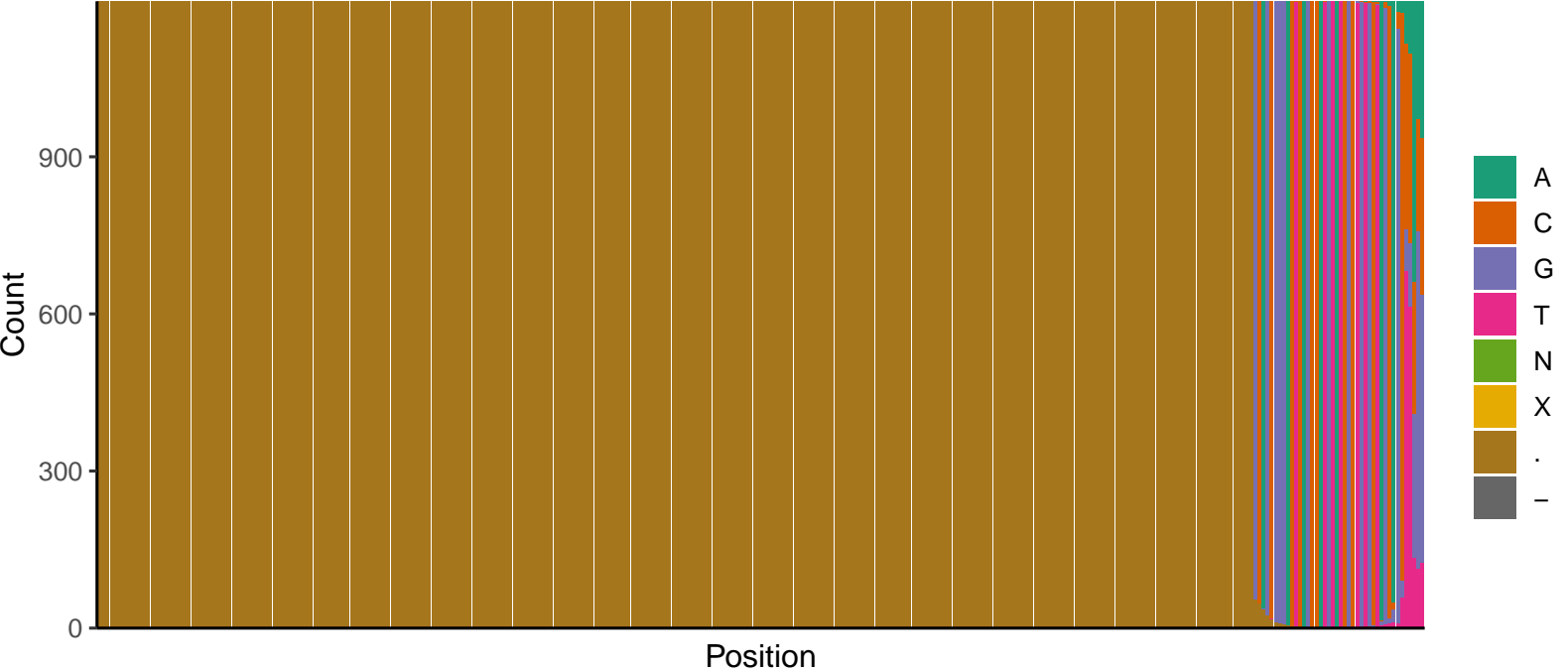
Gene TRBV7-7*ap01_C315T



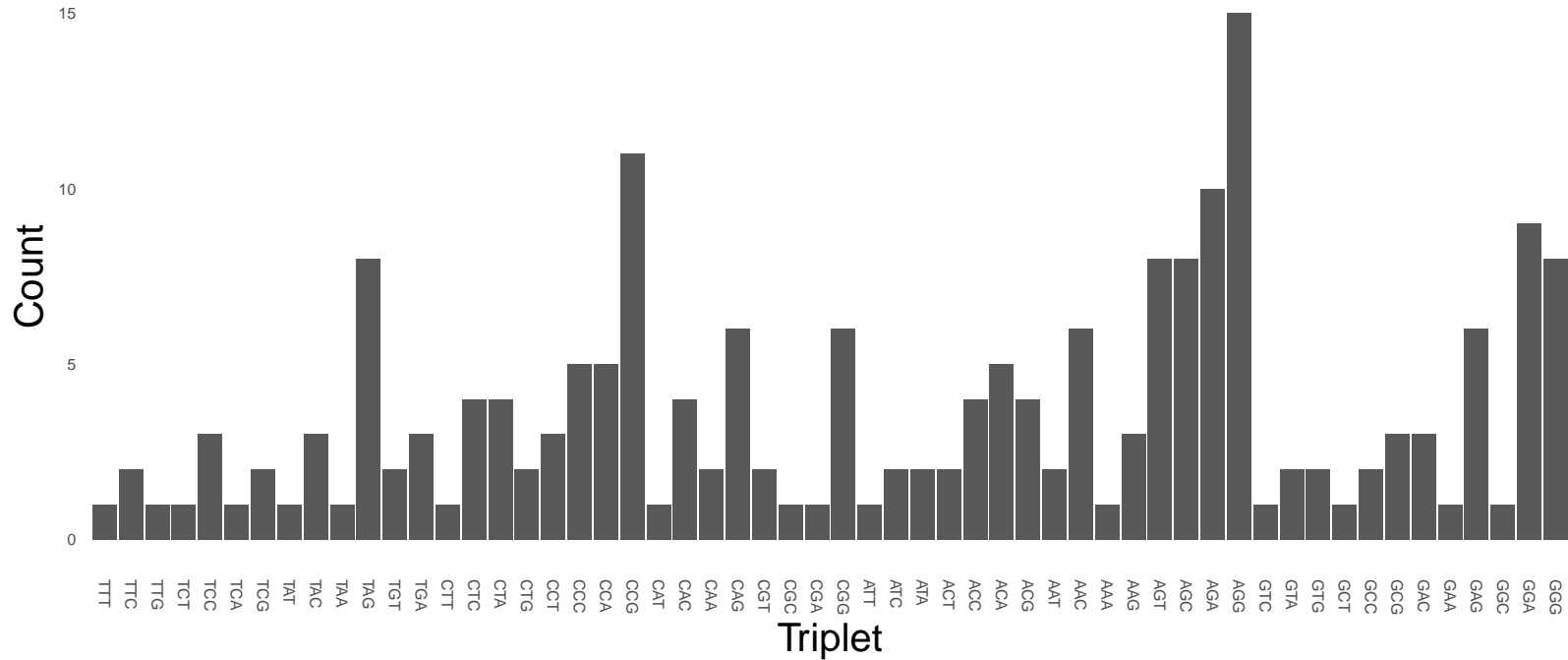
Gene TRBV7-1*ap01_G291C_T296C



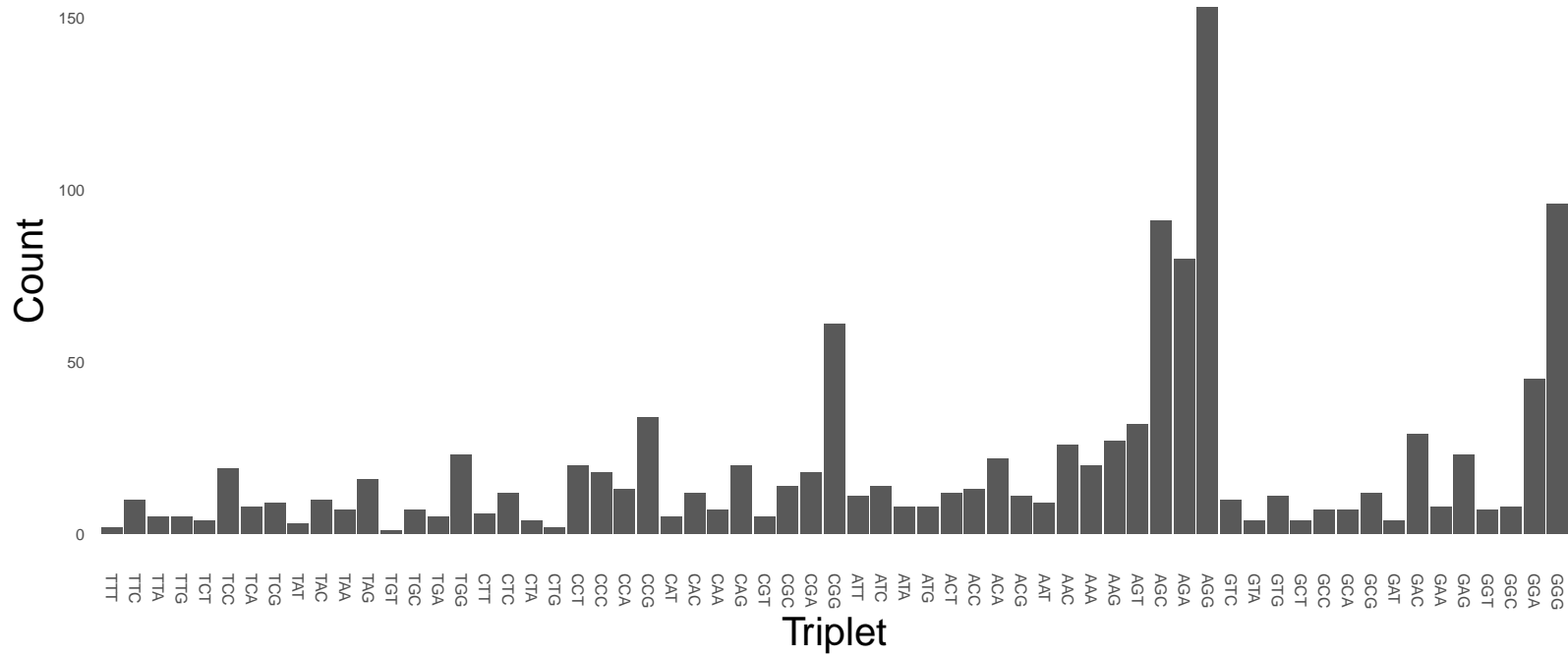
Gene TRBV7-7*ap01_C315T



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

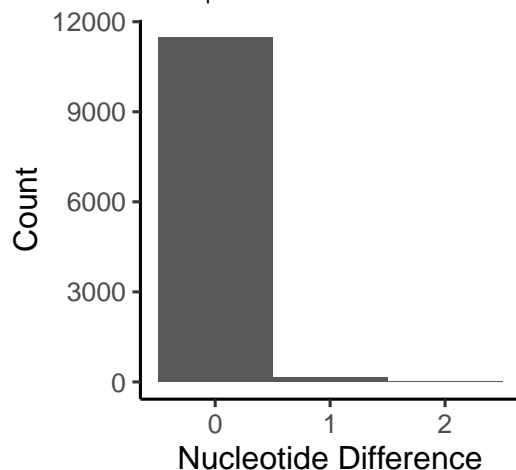


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



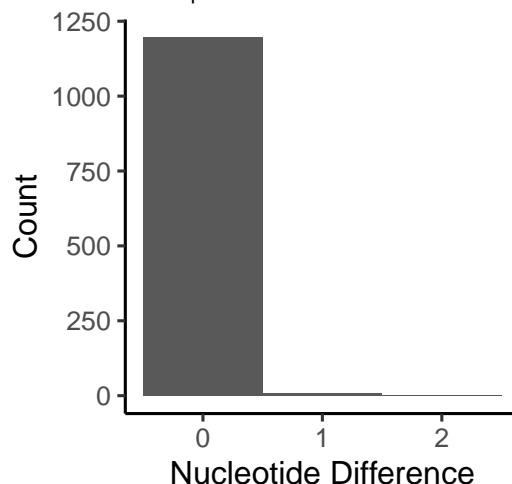
TRBV20-1*ap01

11630 sequences assigned
11486 (98.8%) exact matches, in which:
11284 unique CDR3
13 unique J



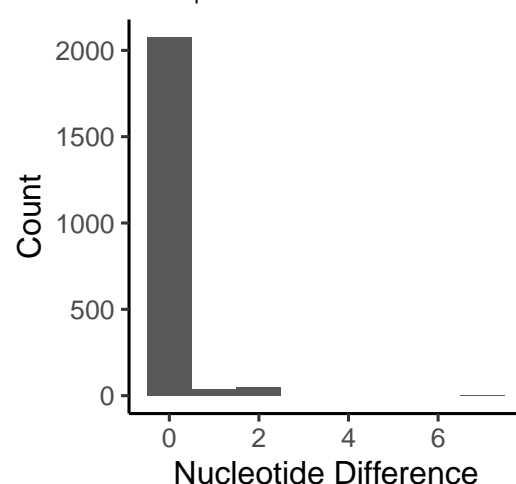
TRBV10-2*ap01

1204 sequences assigned
1196 (99.3%) exact matches, in which:
1169 unique CDR3
13 unique J



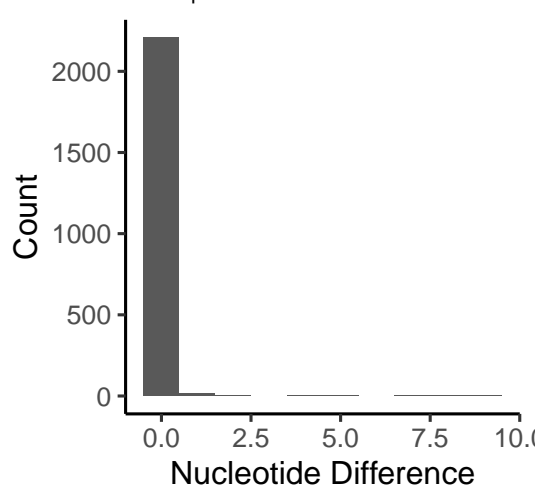
TRBV13*ap01

2158 sequences assigned
2075 (96.2%) exact matches, in which:
2004 unique CDR3
13 unique J



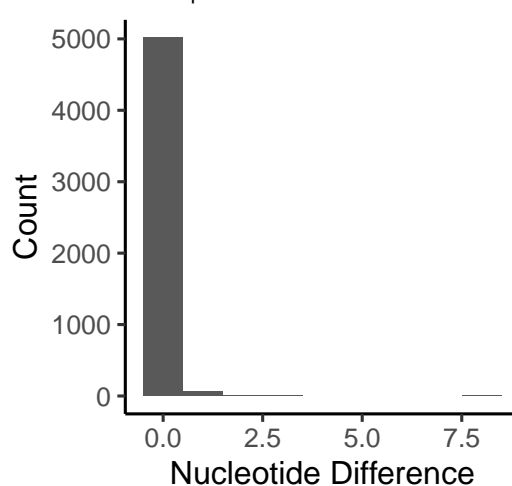
TRBV10-1*ap01

2233 sequences assigned
2207 (98.8%) exact matches, in which:
2161 unique CDR3
13 unique J



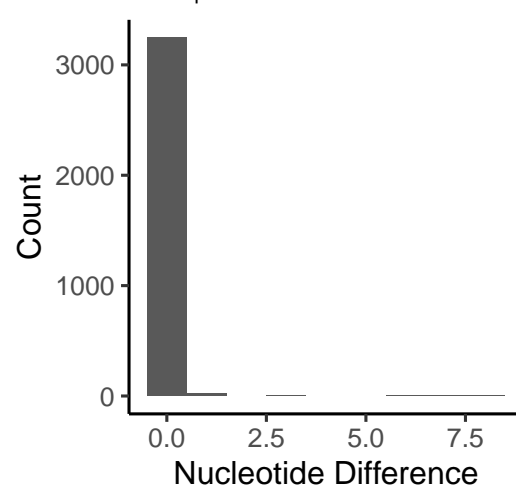
TRBV10-3*ap01

5078 sequences assigned
5016 (98.8%) exact matches, in which:
4905 unique CDR3
13 unique J



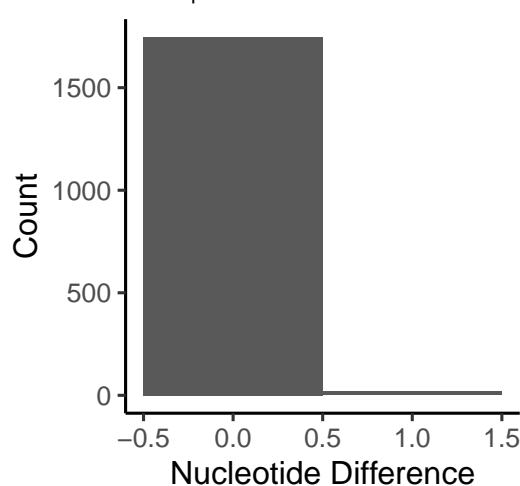
TRBV14*ap01

3276 sequences assigned
3246 (99.1%) exact matches, in which:
3199 unique CDR3
13 unique J



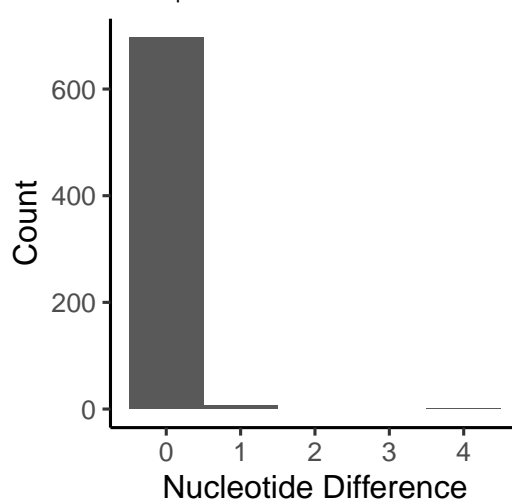
TRBV20-1*ap02

1766 sequences assigned
1747 (98.9%) exact matches, in which:
1718 unique CDR3
13 unique J



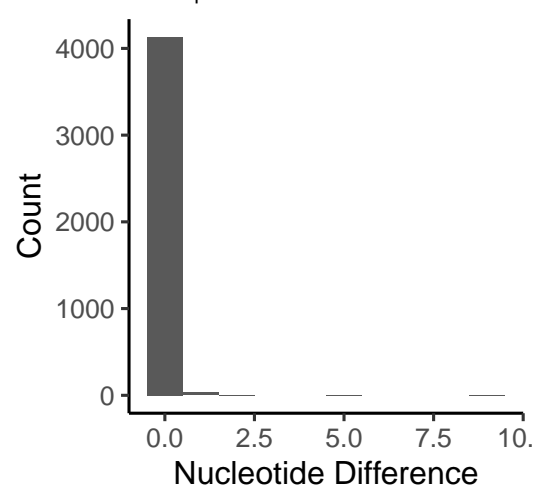
TRBV1*ap01

704 sequences assigned
697 (99%) exact matches, in which:
674 unique CDR3
13 unique J



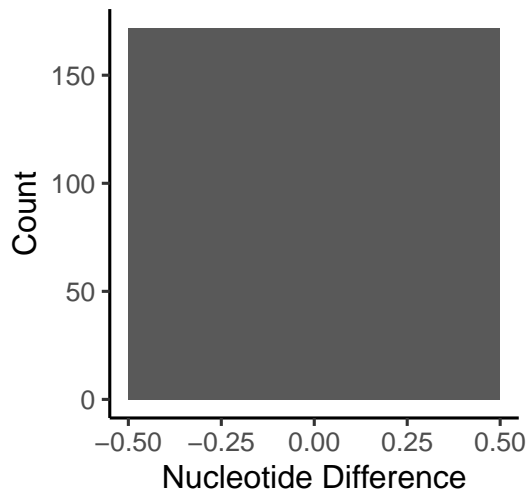
TRBV15*ap02

4167 sequences assigned
4131 (99.1%) exact matches, in which:
4031 unique CDR3
13 unique J



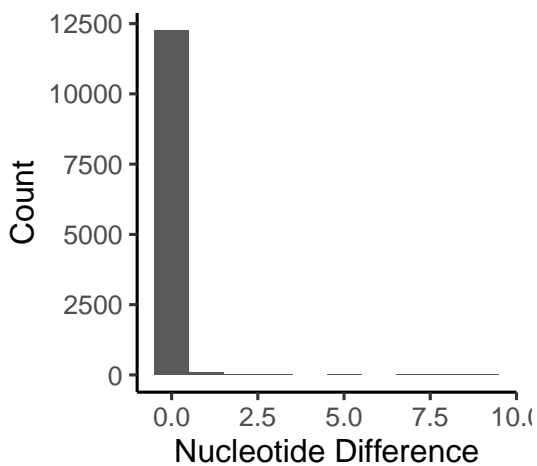
TRBV16*ap01

172 sequences assigned
172 (100%) exact matches, in which:
172 unique CDR3
12 unique J



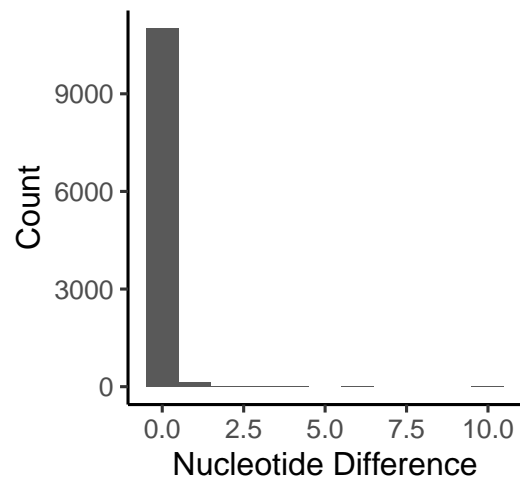
TRBV19*ap01

12384 sequences assigned
12267 (99.1%) exact matches, in which:
12134 unique CDR3
13 unique J



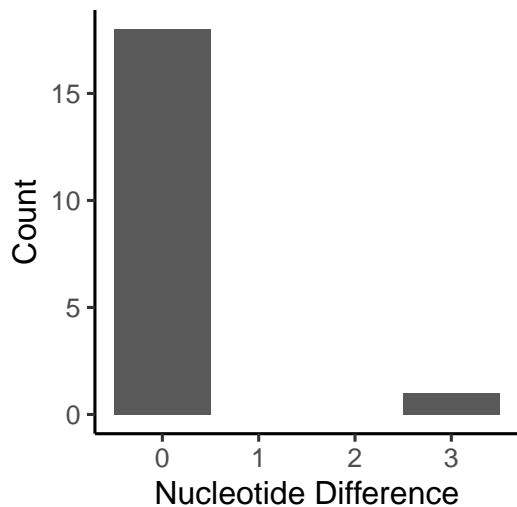
TRBV27*ap01

11161 sequences assigned
11009 (98.6%) exact matches, in which:
10731 unique CDR3
13 unique J



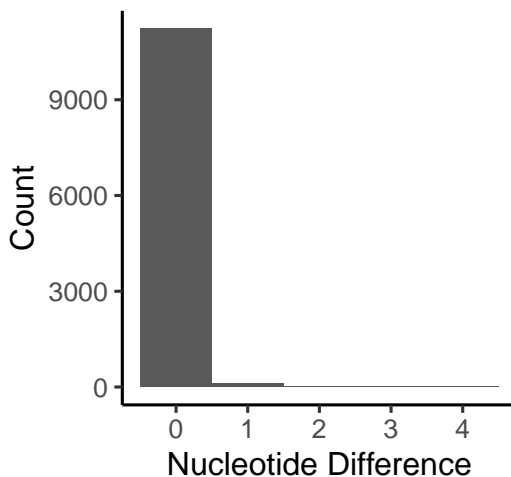
TRBV17*ap01

19 sequences assigned
18 (94.7%) exact matches, in which:
18 unique CDR3
9 unique J



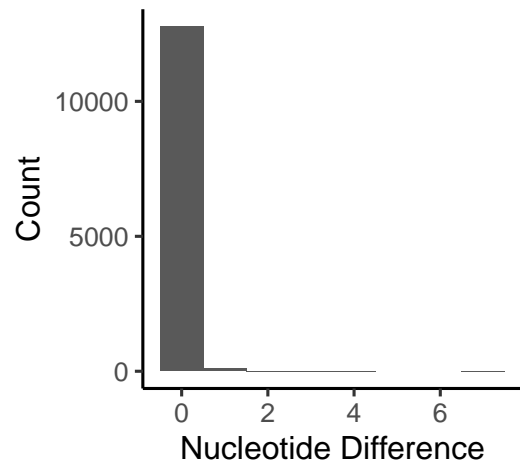
TRBV2*ap01

11351 sequences assigned
11225 (98.9%) exact matches, in which:
10945 unique CDR3
13 unique J



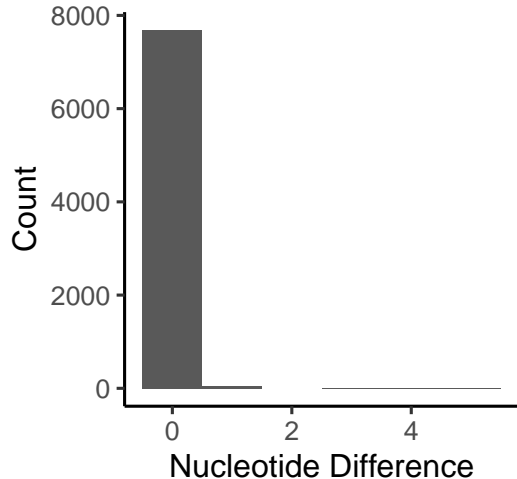
TRBV28*ap01

12891 sequences assigned
12775 (99.1%) exact matches, in which:
12546 unique CDR3
13 unique J



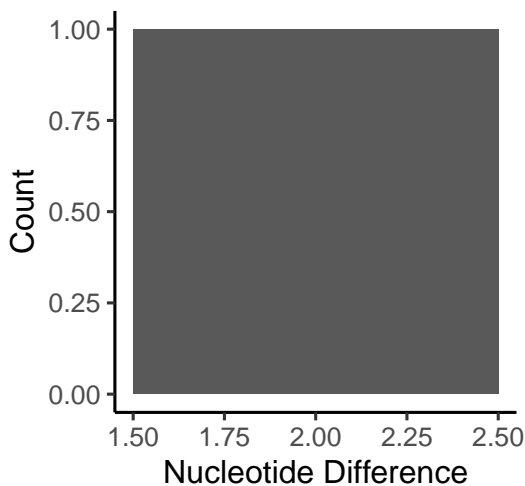
TRBV18*ap01

7743 sequences assigned
7686 (99.3%) exact matches, in which:
7607 unique CDR3
13 unique J



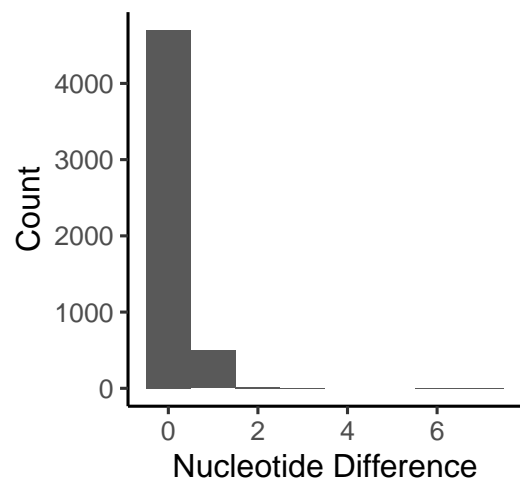
TRBV26*ap01

1 sequences assigned
No exact matches.



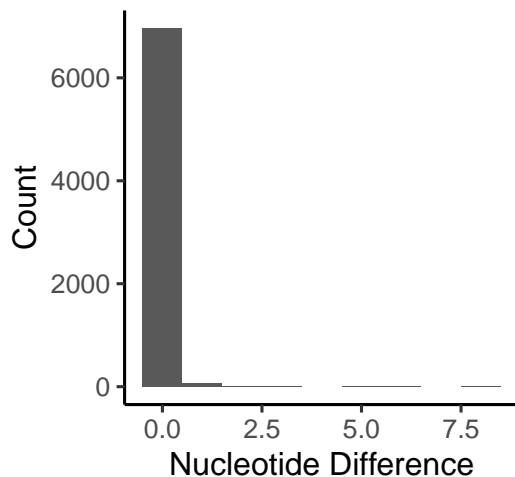
TRBV30*ap01

5222 sequences assigned
4700 (90%) exact matches, in which:
4608 unique CDR3
13 unique J



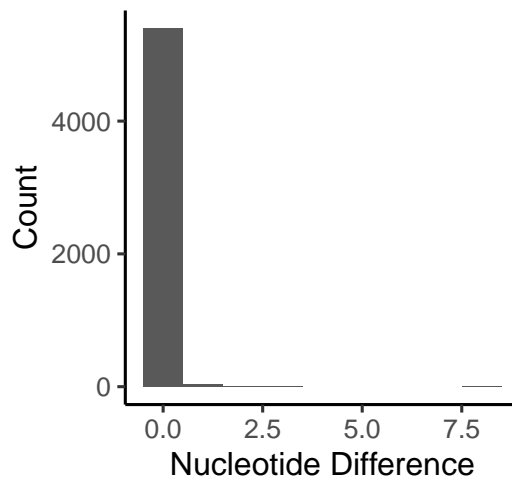
TRBV9*ap01

7038 sequences assigned
6960 (98.9%) exact matches, in which:
6830 unique CDR3
13 unique J



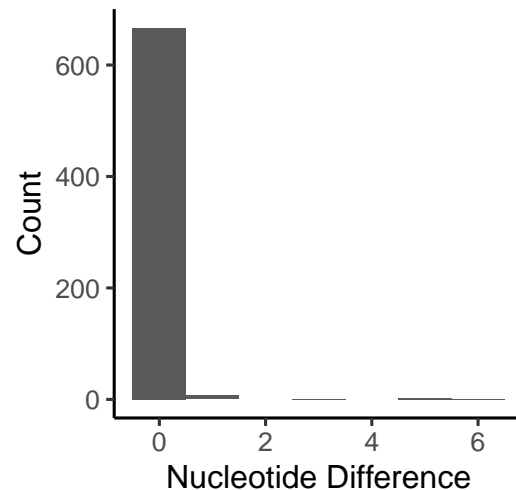
TRBV11-2*ap01

5440 sequences assigned
5396 (99.2%) exact matches, in which:
5305 unique CDR3
13 unique J



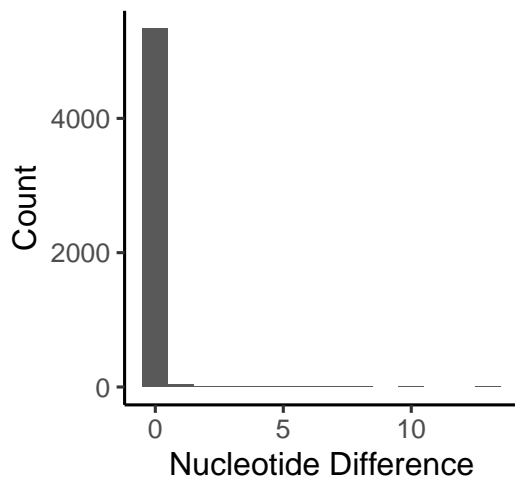
TRBV12-2*ap01

678 sequences assigned
667 (98.4%) exact matches, in which:
657 unique CDR3
13 unique J



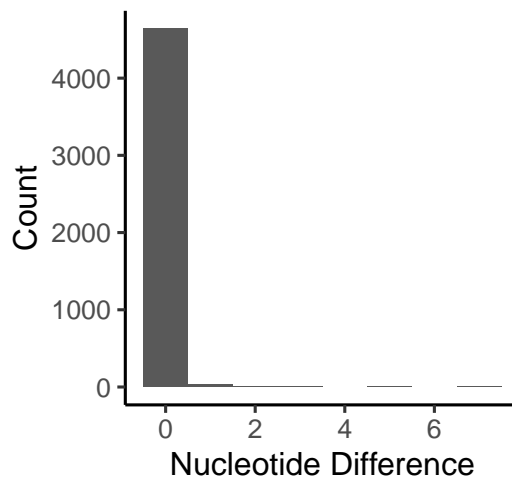
TRBV21-1*ap01

5404 sequences assigned
5335 (98.7%) exact matches, in which:
5269 unique CDR3
13 unique J



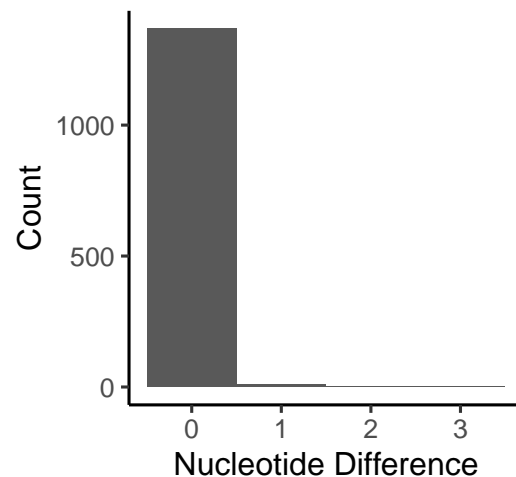
TRBV11-3*ap01

4675 sequences assigned
4640 (99.3%) exact matches, in which:
4576 unique CDR3
13 unique J



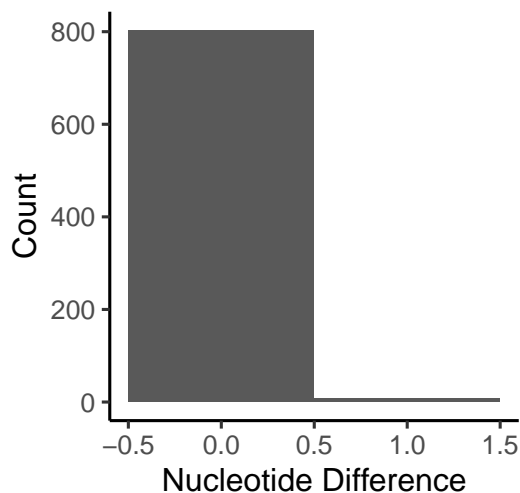
TRBV12-5*ap01

1383 sequences assigned
1368 (98.9%) exact matches, in which:
1337 unique CDR3
13 unique J



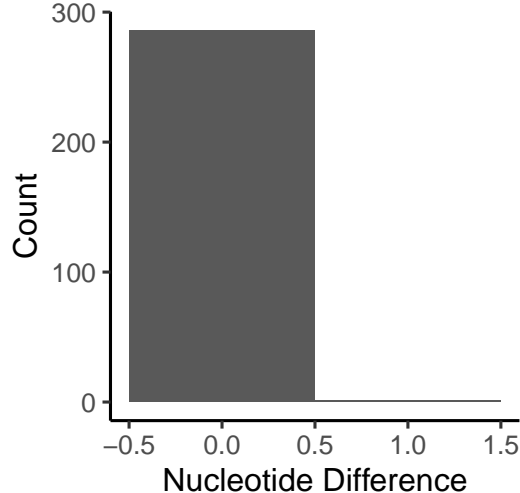
TRBV11-1*ap01

810 sequences assigned
803 (99.1%) exact matches, in which:
795 unique CDR3
13 unique J



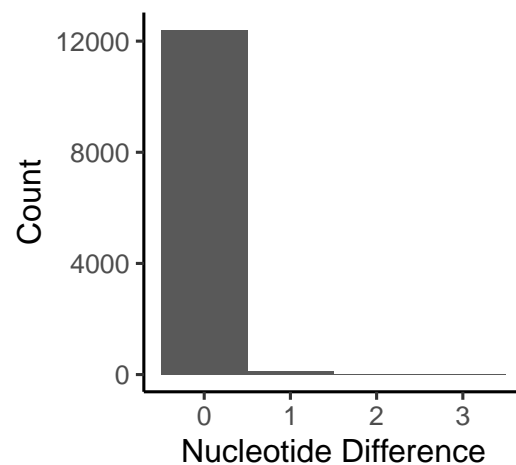
TRBV12-1*ap01

287 sequences assigned
286 (99.7%) exact matches, in which:
282 unique CDR3
13 unique J



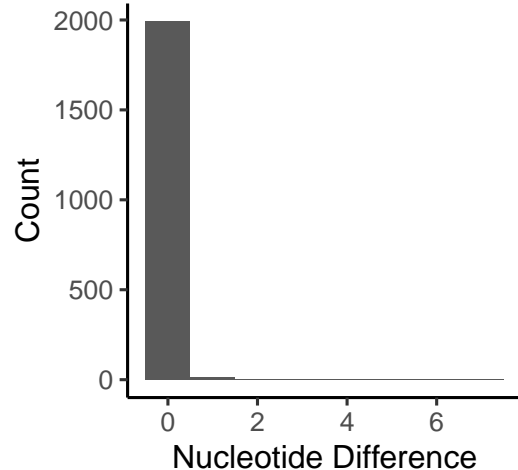
TRBV12-34*ap01

12543 sequences assigned
12408 (98.9%) exact matches, in which:
12141 unique CDR3
13 unique J



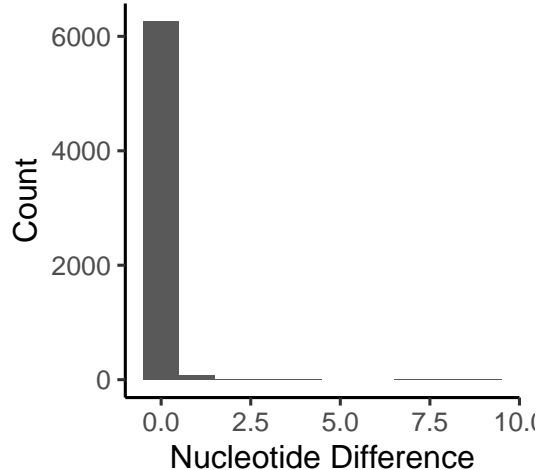
TRBV23-1*ap01

2016 sequences assigned
1992 (98.8%) exact matches, in which:
1962 unique CDR3
13 unique J



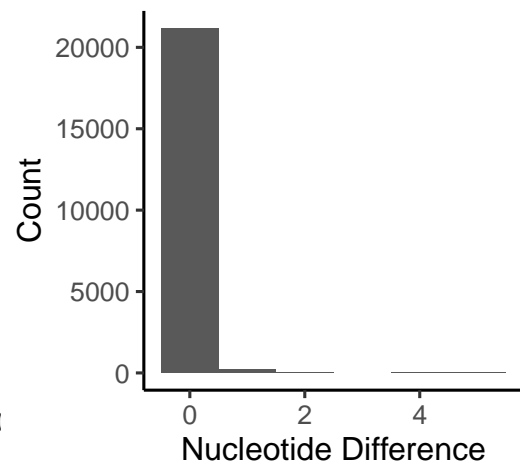
TRBV24-1*ap01

6351 sequences assigned
6261 (98.6%) exact matches, in which:
6126 unique CDR3
13 unique J



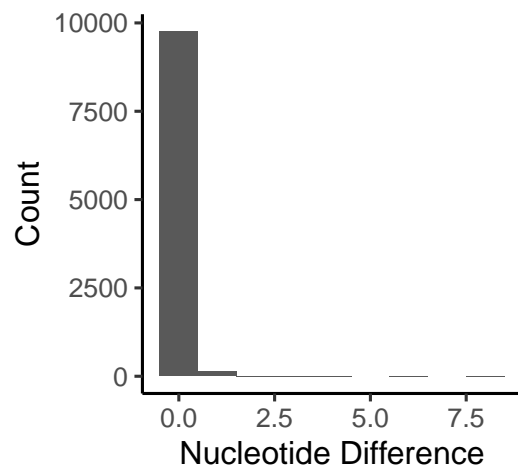
TRBV5-1*ap01

21397 sequences assigned
21179 (99%) exact matches, in which:
20622 unique CDR3
13 unique J



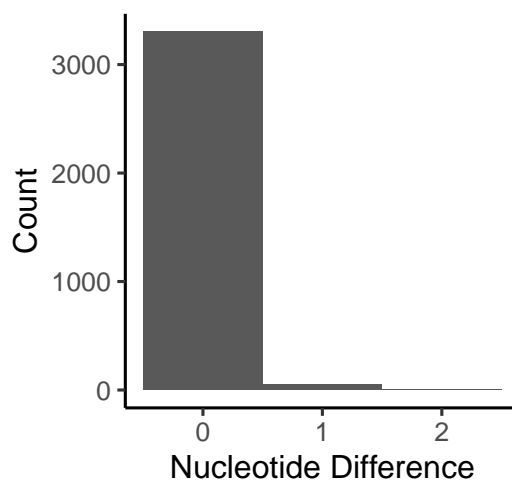
TRBV3-12*ap01

9899 sequences assigned
9758 (98.6%) exact matches, in which:
9507 unique CDR3
13 unique J



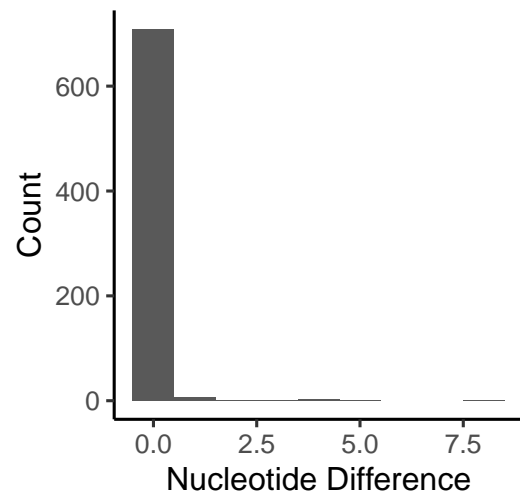
TRBV4-2*ap01

3352 sequences assigned
3303 (98.5%) exact matches, in which:
3204 unique CDR3
13 unique J



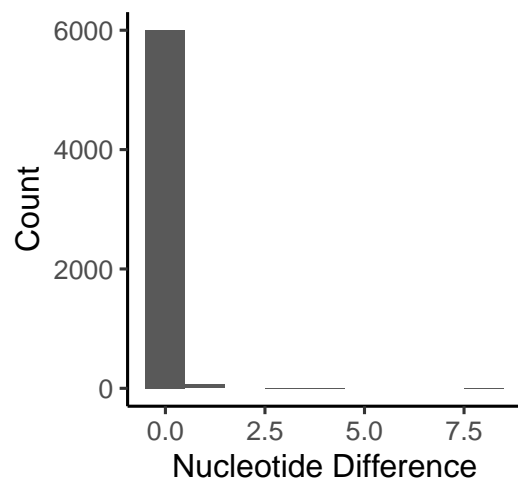
TRBV5-3*ap01

722 sequences assigned
709 (98.2%) exact matches, in which:
695 unique CDR3
13 unique J



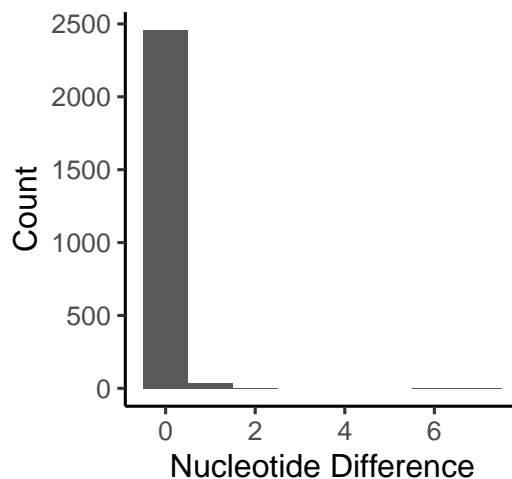
TRBV4-1*ap01

6073 sequences assigned
6003 (98.8%) exact matches, in which:
5858 unique CDR3
13 unique J



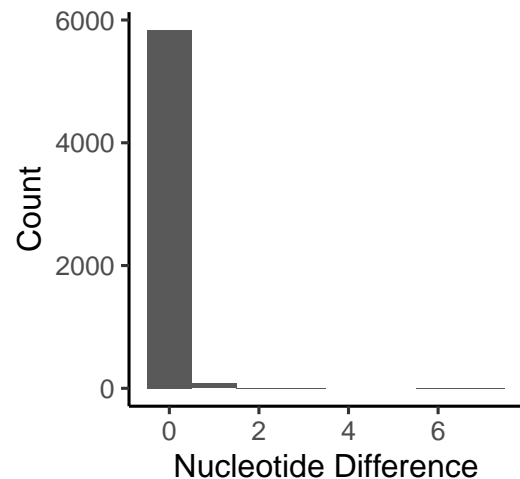
TRBV25-1*ap01

2499 sequences assigned
2458 (98.4%) exact matches, in which:
2397 unique CDR3
13 unique J



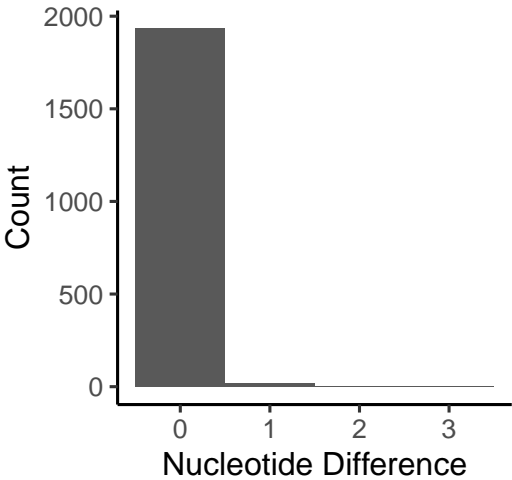
TRBV5-4*ap01

5919 sequences assigned
5836 (98.6%) exact matches, in which:
5700 unique CDR3
13 unique J



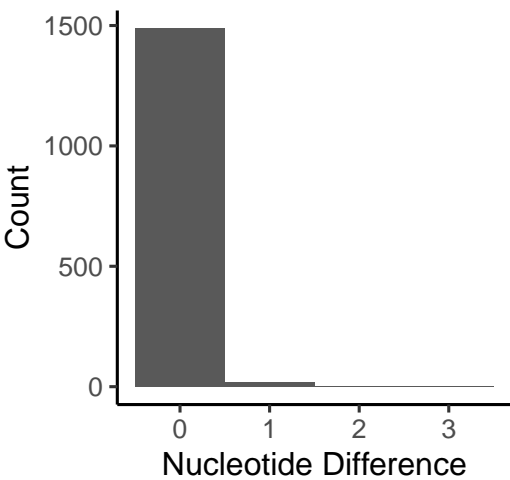
TRBV5-5*ap01

1956 sequences assigned
1934 (98.9%) exact matches, in which:
1914 unique CDR3
13 unique J



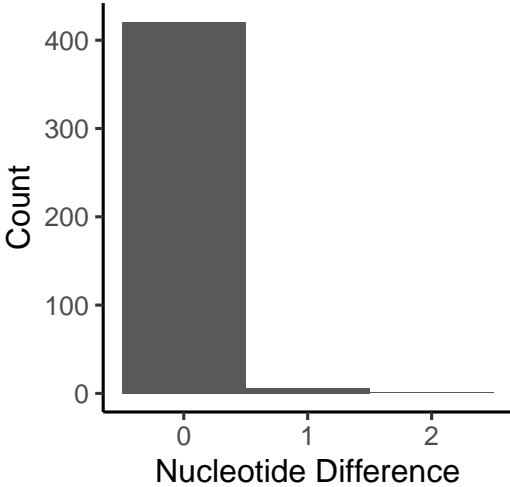
TRBV5-8*ap01

1509 sequences assigned
1488 (98.6%) exact matches, in which:
1463 unique CDR3
13 unique J



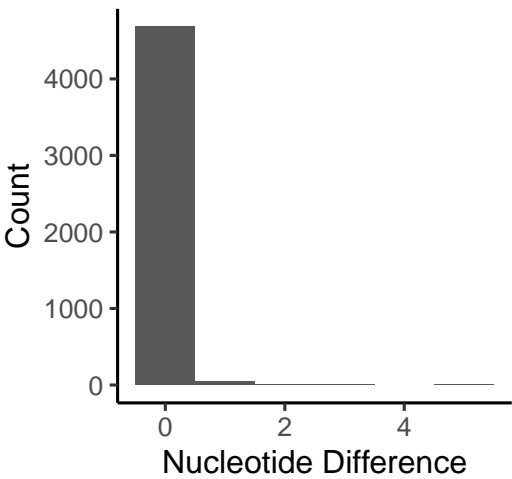
TRBV6-7*ap01

428 sequences assigned
421 (98.4%) exact matches, in which:
408 unique CDR3
13 unique J



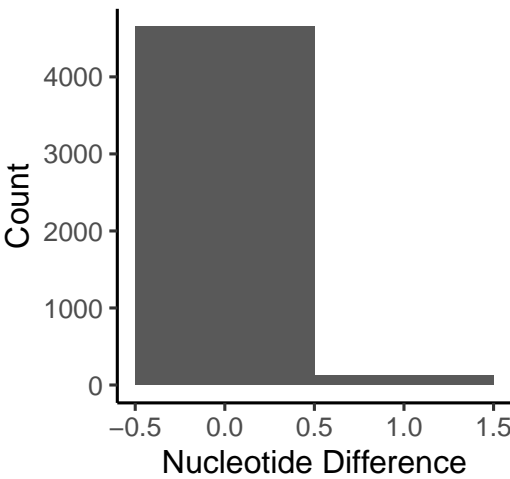
TRBV5-6*ap01

4733 sequences assigned
4682 (98.9%) exact matches, in which:
4522 unique CDR3
13 unique J



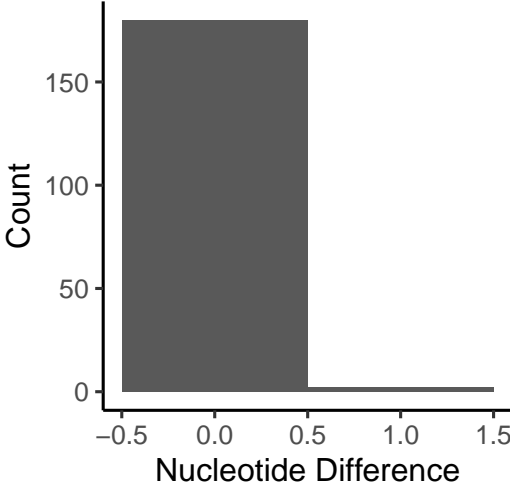
TRBV6-1*ap01

4774 sequences assigned
4651 (97.4%) exact matches, in which:
4533 unique CDR3
14 unique J



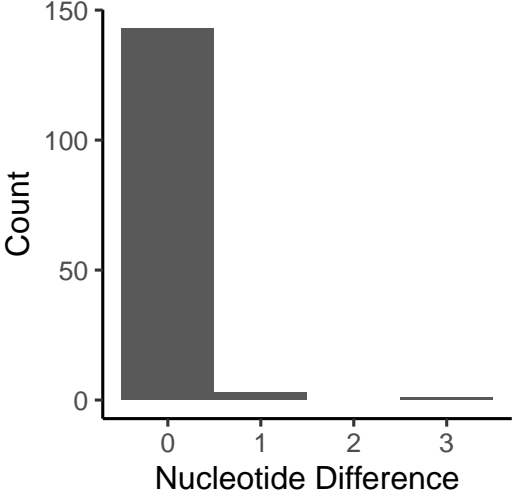
TRBV6-8*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
178 unique CDR3
11 unique J



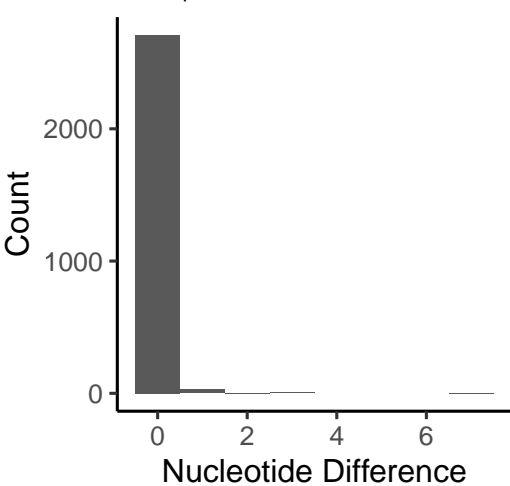
TRBV5-7*ap01

147 sequences assigned
143 (97.3%) exact matches, in which:
140 unique CDR3
12 unique J



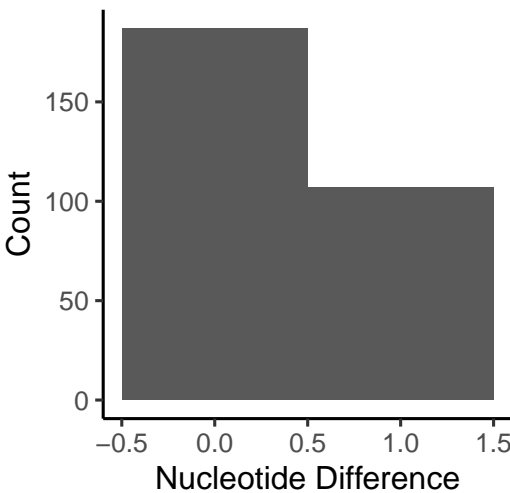
TRBV6-4*ap01

2748 sequences assigned
2709 (98.6%) exact matches, in which:
2668 unique CDR3
13 unique J



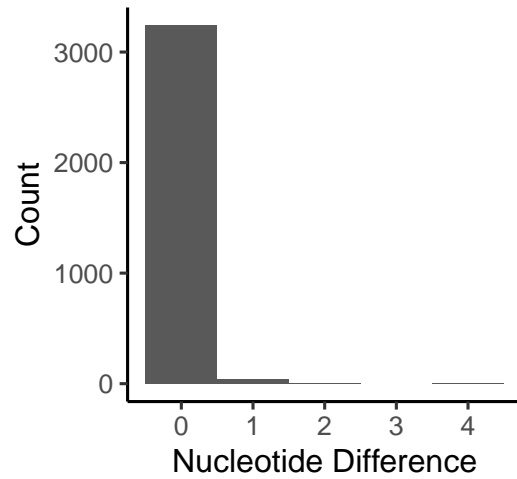
TRBV6-9*ap01

294 sequences assigned
187 (63.6%) exact matches, in which:
181 unique CDR3
13 unique J



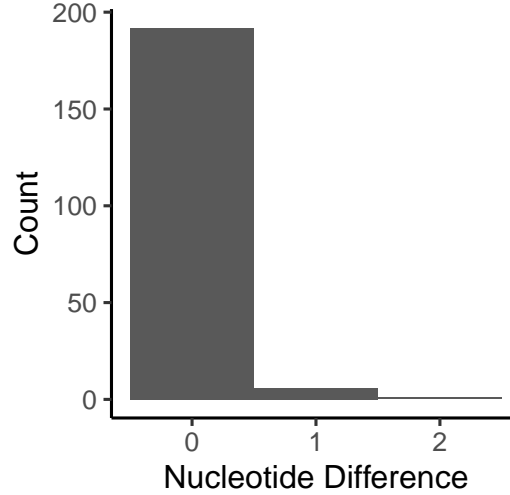
TRBV6-23*ap01

3282 sequences assigned
3241 (98.8%) exact matches, in which:
3145 unique CDR3
13 unique J



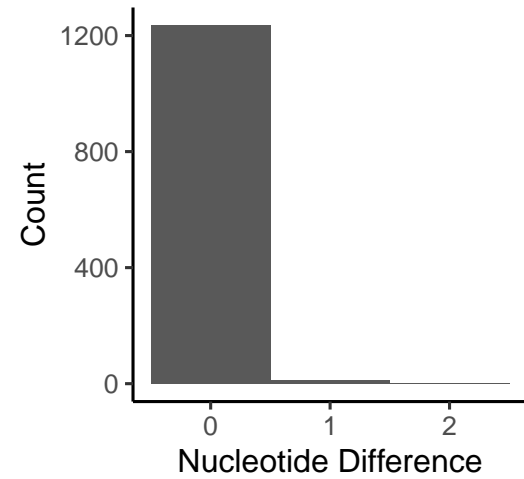
TRBV7-1*ap01_G291C_

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



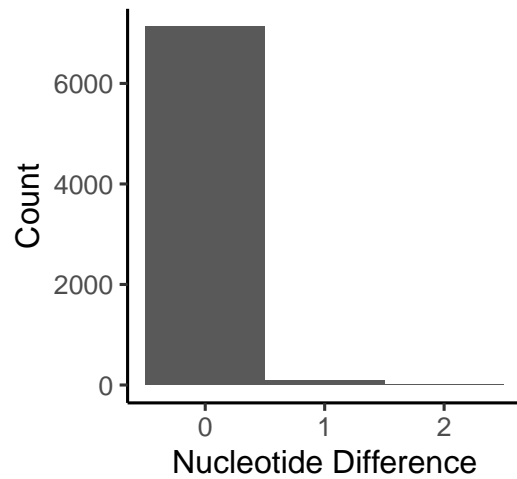
TRBV7-3*ap03

1247 sequences assigned
1235 (99%) exact matches, in which:
1208 unique CDR3
13 unique J



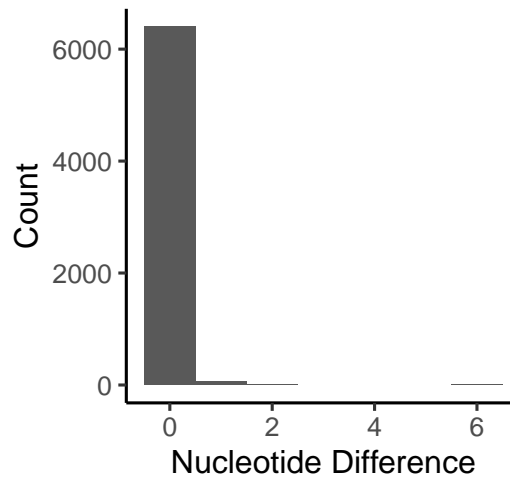
TRBV6-56*ap01

7226 sequences assigned
7128 (98.6%) exact matches, in which:
6914 unique CDR3
13 unique J



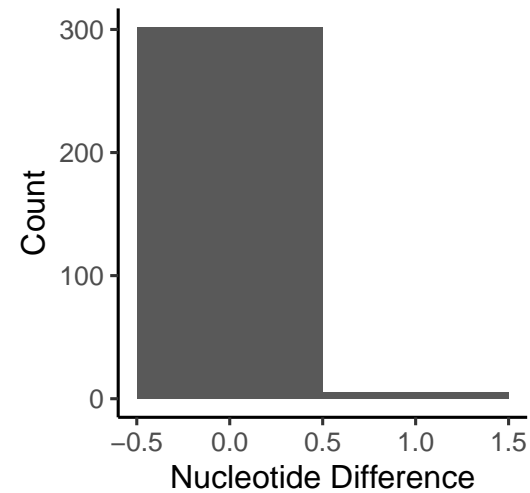
TRBV7-2*ap01

6462 sequences assigned
6400 (99%) exact matches, in which:
6283 unique CDR3
13 unique J



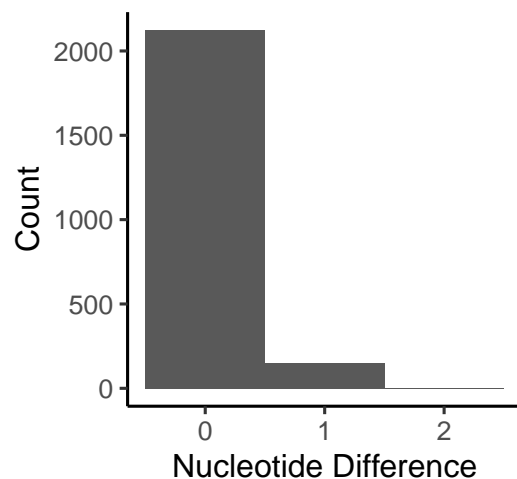
TRBV7-4*ap01

307 sequences assigned
302 (98.4%) exact matches, in which:
296 unique CDR3
13 unique J



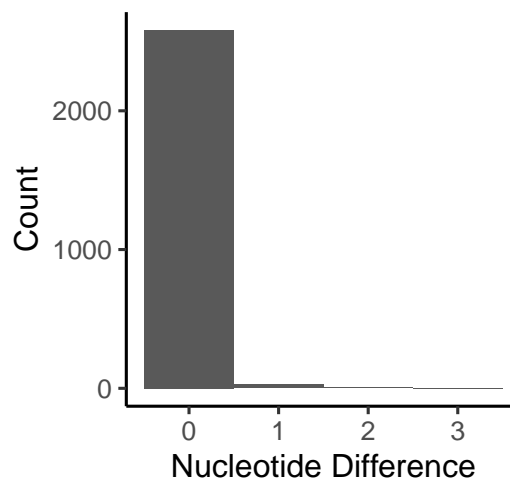
TRBV6-56*ap02

2274 sequences assigned
2124 (93.4%) exact matches, in which:
2064 unique CDR3
13 unique J



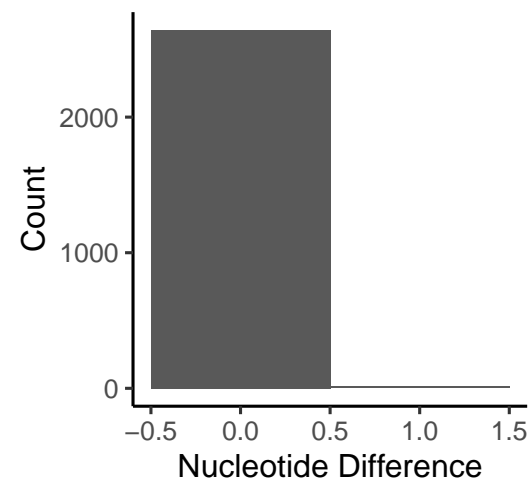
TRBV7-3*ap01

2620 sequences assigned
2582 (98.5%) exact matches, in which:
2552 unique CDR3
13 unique J



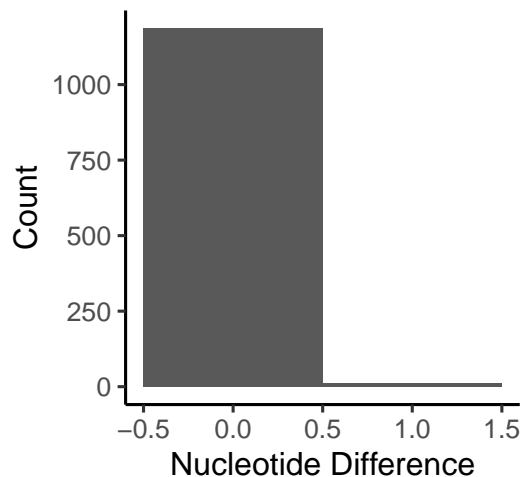
TRBV7-6*ap01

2656 sequences assigned
2642 (99.5%) exact matches, in which:
2584 unique CDR3
13 unique J



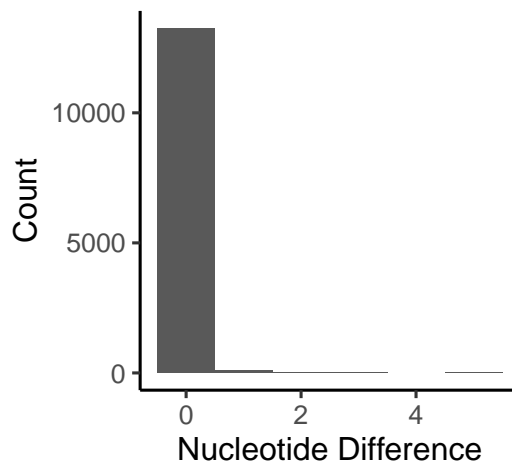
TRBV7-7*ap01_C315T

1197 sequences assigned
1186 (99.1%) exact matches, in which:
1164 unique CDR3
13 unique J



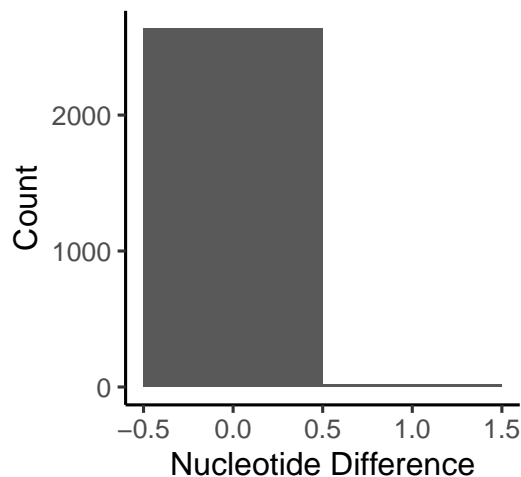
TRBV7-9*ap01

13366 sequences assigned
13255 (99.2%) exact matches, in which:
13054 unique CDR3
13 unique J



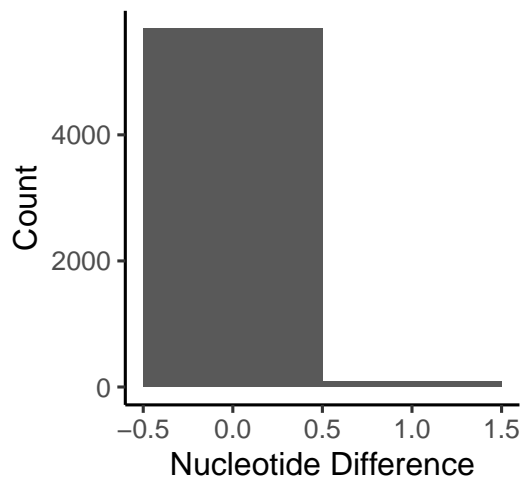
TRBV7-8*ap01

2653 sequences assigned
2635 (99.3%) exact matches, in which:
2568 unique CDR3
13 unique J



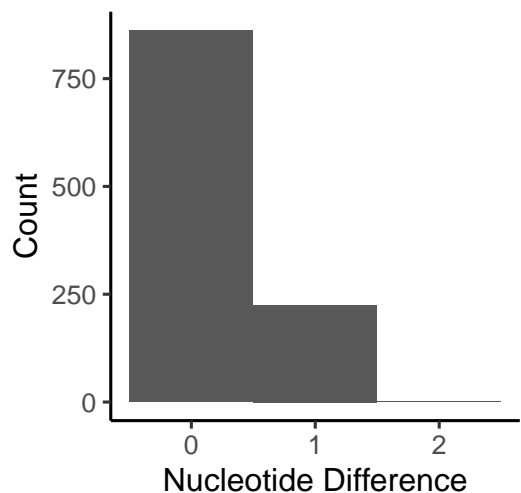
TRBV29-1*ap01

5763 sequences assigned
5683 (98.6%) exact matches, in which:
5534 unique CDR3
13 unique J



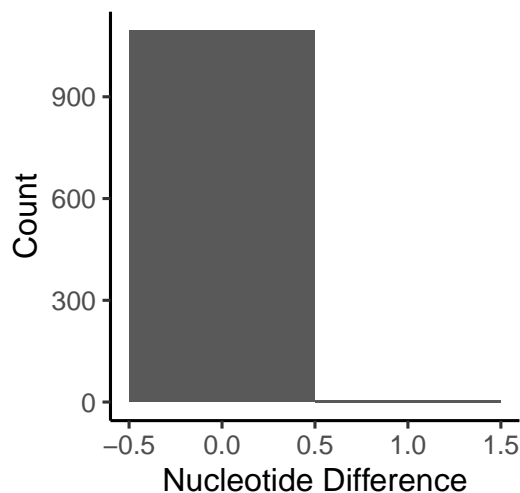
TRBV7-8*ap03

1089 sequences assigned
862 (79.2%) exact matches, in which:
835 unique CDR3
13 unique J

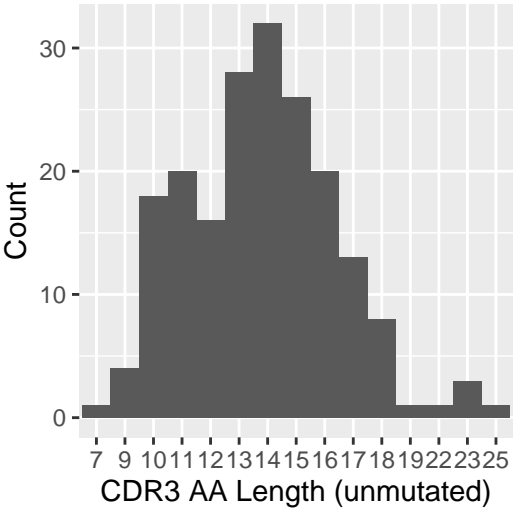


TRBV29-1*ap02

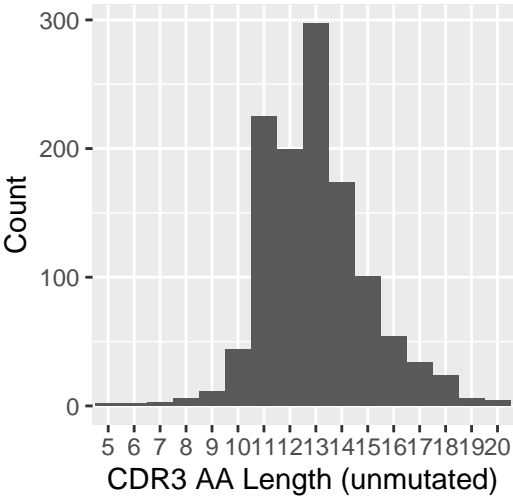
1102 sequences assigned
1096 (99.5%) exact matches, in which:
1062 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]