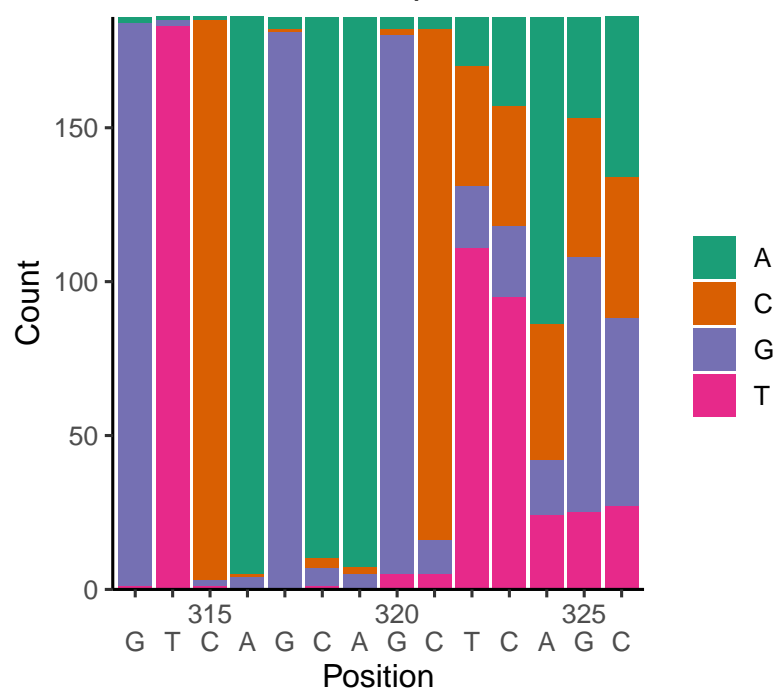
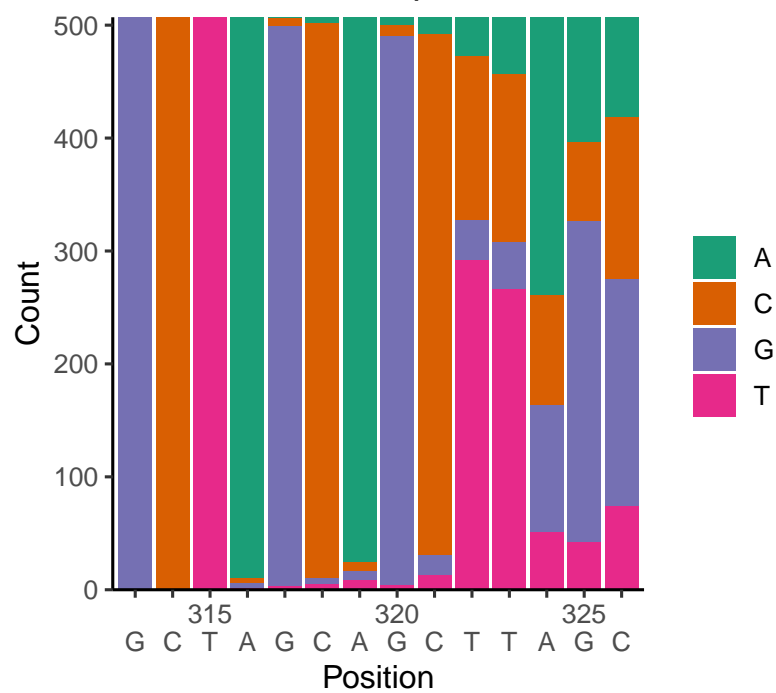


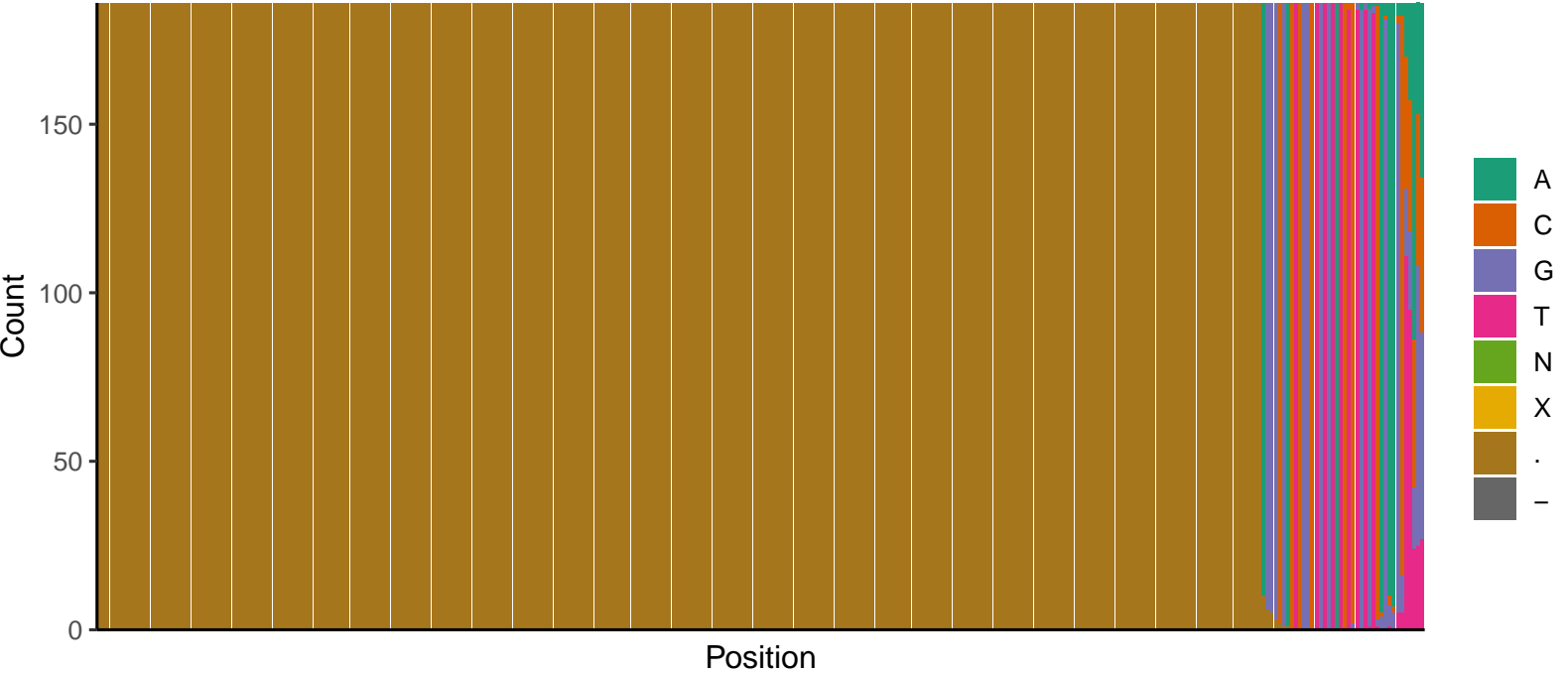
Gene TRBV7-1*ap01_G291C_T296C_C314T



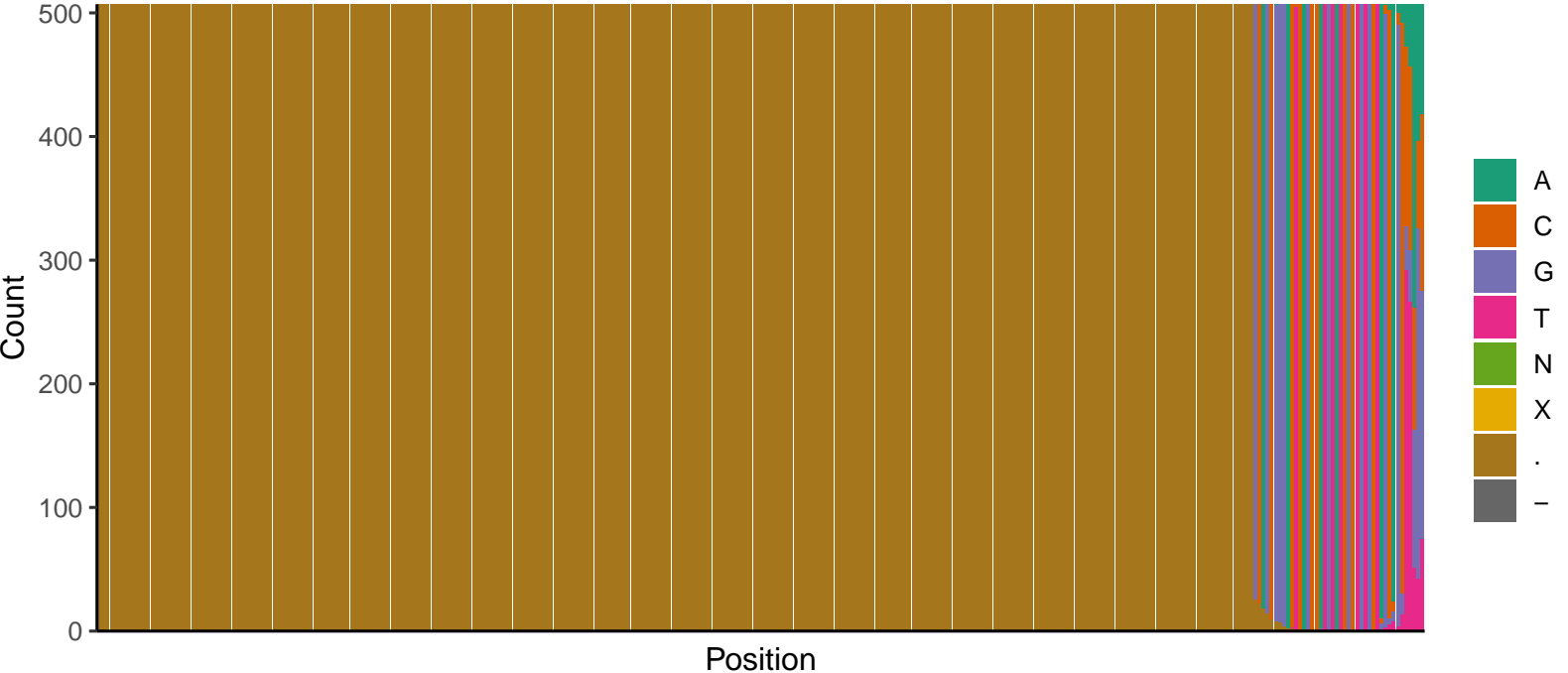
Gene TRBV7-7*ap01_C315T



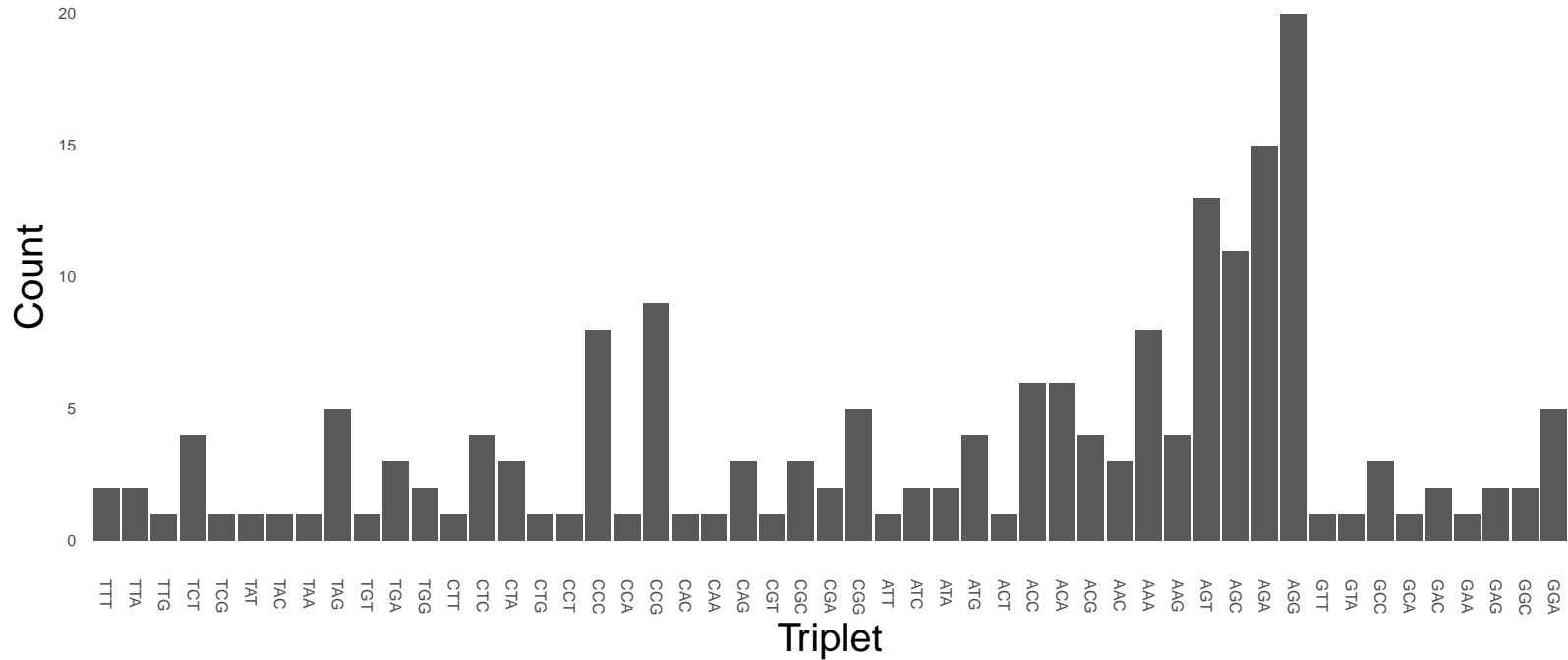
Gene TRBV7-1*ap01_G291C_T296C_C314T



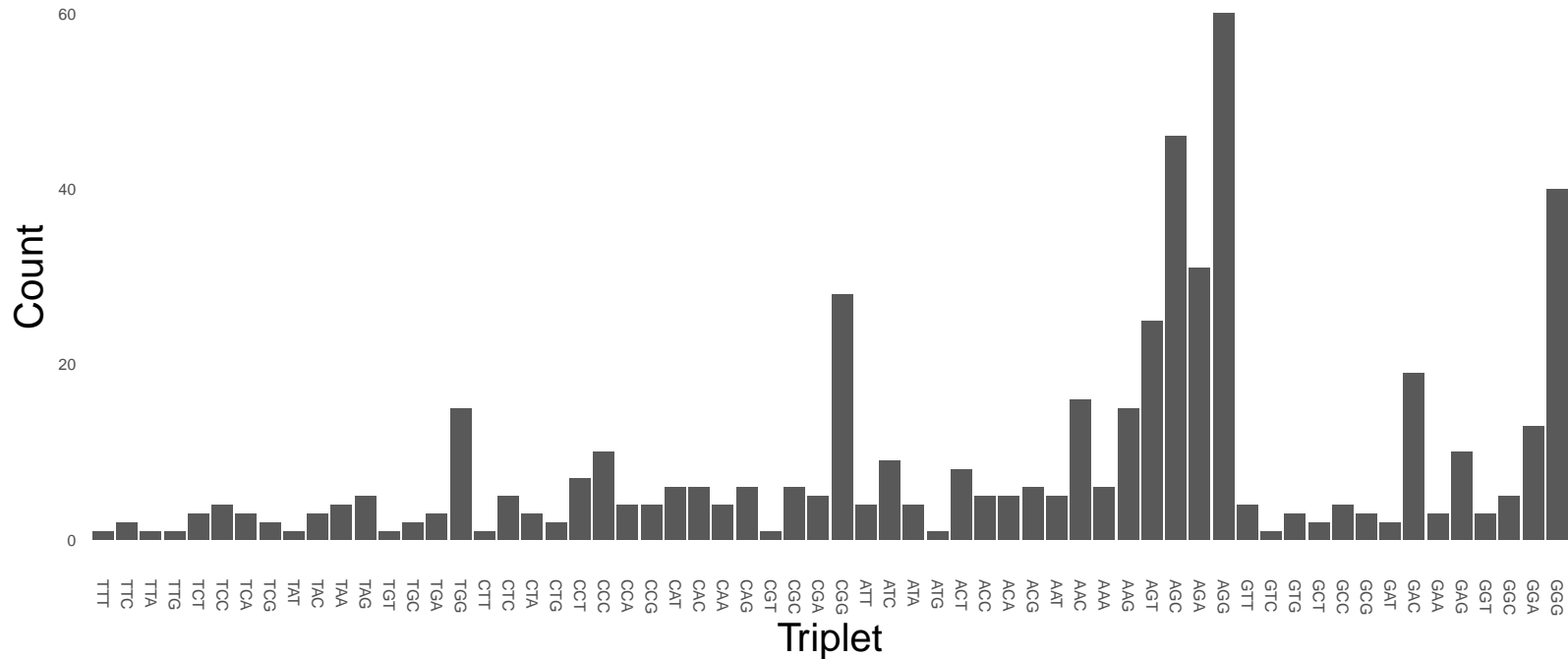
Gene TRBV7-7*ap01_C315T



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

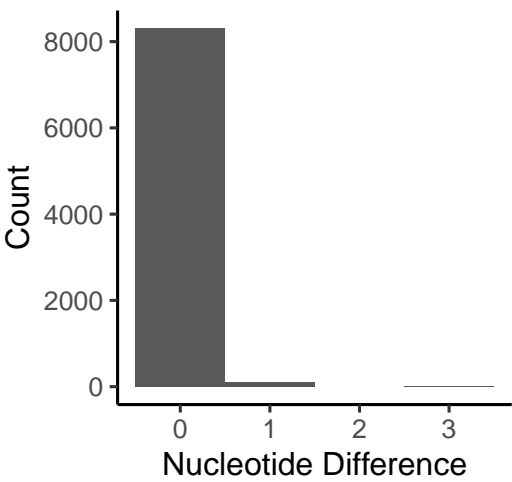


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



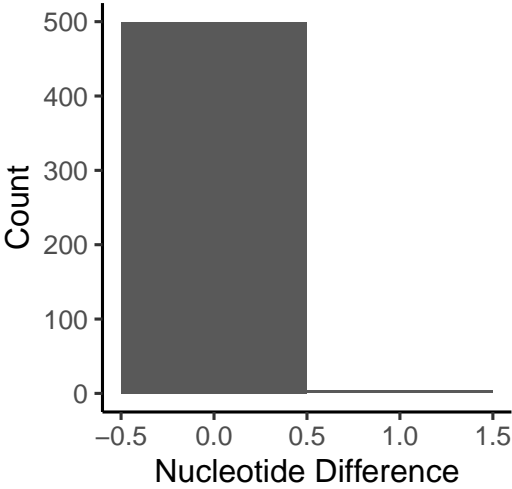
TRBV20-1*ap01

8413 sequences assigned
8306 (98.7%) exact matches, in which:
8156 unique CDR3
13 unique J



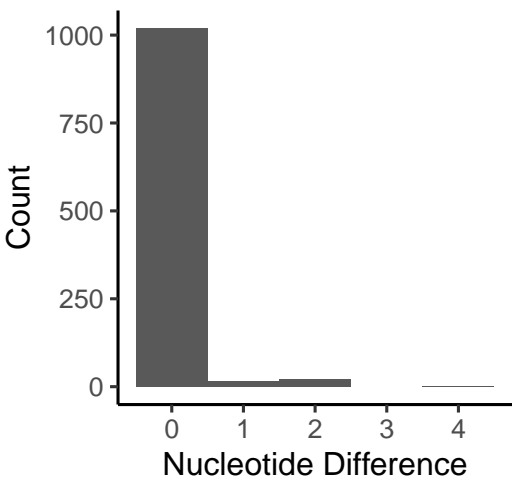
TRBV10-2*ap01

504 sequences assigned
500 (99.2%) exact matches, in which:
484 unique CDR3
13 unique J



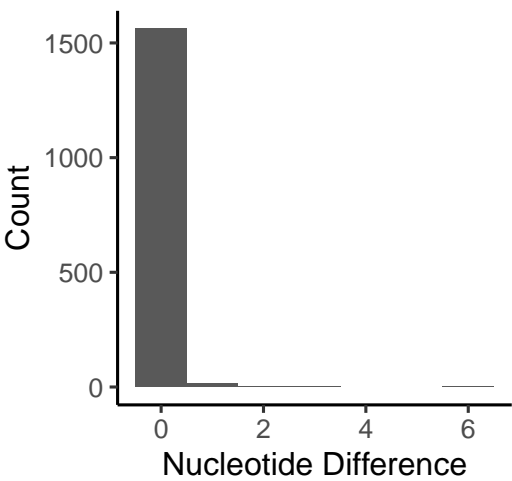
TRBV13*ap01

1058 sequences assigned
1019 (96.3%) exact matches, in which:
992 unique CDR3
13 unique J



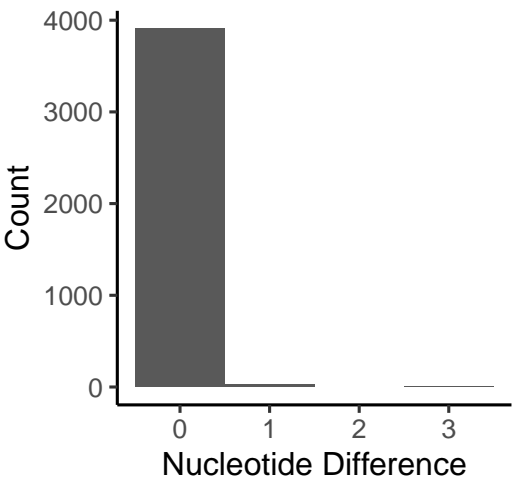
TRBV10-1*ap01

1583 sequences assigned
1562 (98.7%) exact matches, in which:
1508 unique CDR3
13 unique J



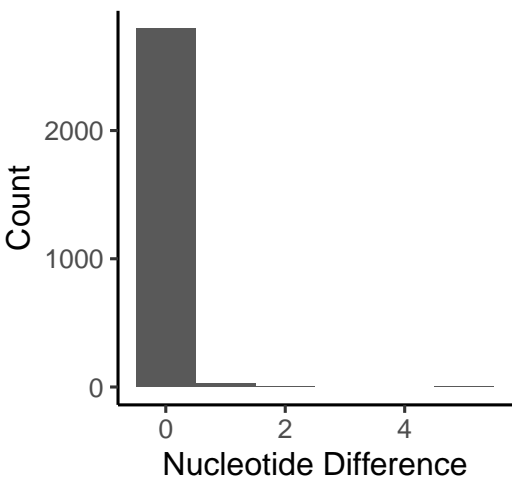
TRBV10-3*ap01

3936 sequences assigned
3907 (99.3%) exact matches, in which:
3810 unique CDR3
13 unique J



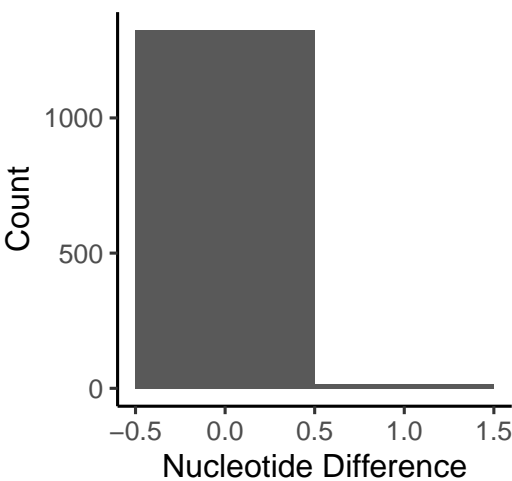
TRBV14*ap01

2823 sequences assigned
2794 (99%) exact matches, in which:
2736 unique CDR3
13 unique J



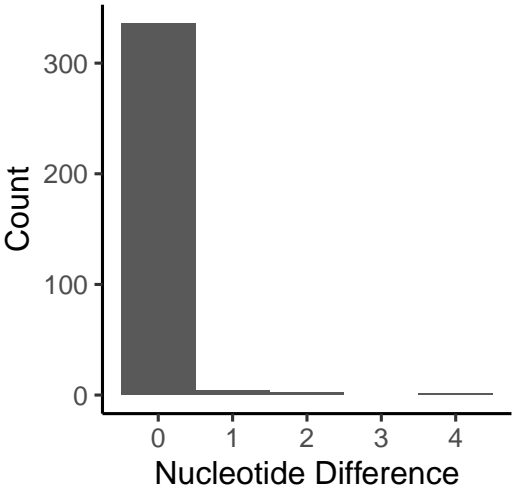
TRBV20-1*ap02

1342 sequences assigned
1325 (98.7%) exact matches, in which:
1296 unique CDR3
13 unique J



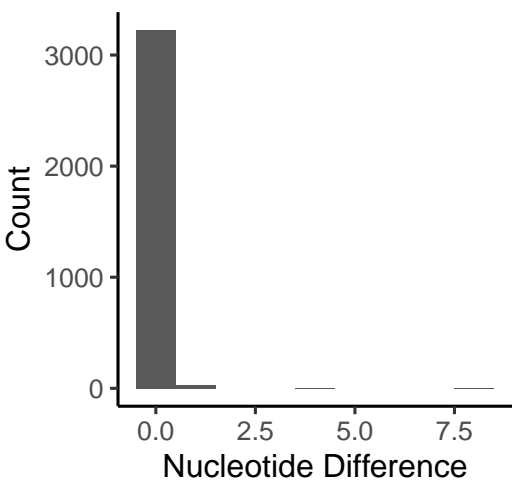
TRBV1*ap01

343 sequences assigned
336 (98%) exact matches, in which:
330 unique CDR3
13 unique J



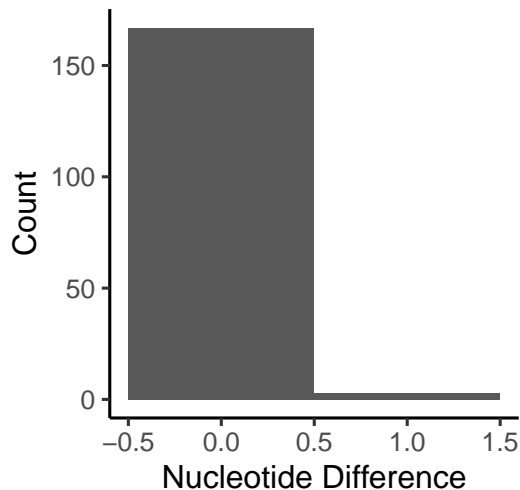
TRBV15*ap02

3259 sequences assigned
3225 (99%) exact matches, in which:
3138 unique CDR3
13 unique J



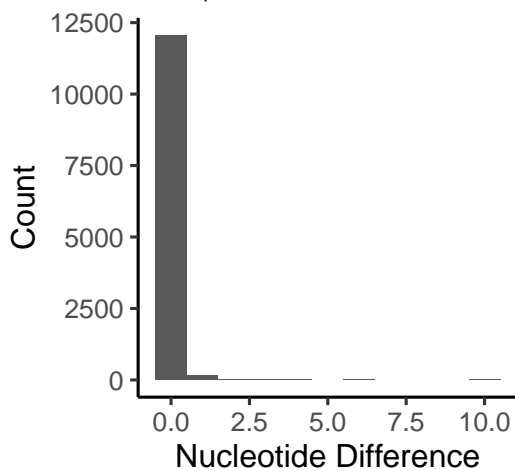
TRBV16*ap01

170 sequences assigned
167 (98.2%) exact matches, in which:
165 unique CDR3
13 unique J



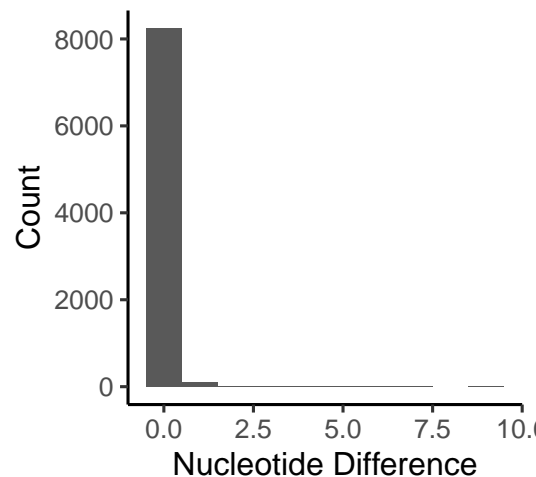
TRBV19*ap01

12217 sequences assigned
12062 (98.7%) exact matches, in which:
11890 unique CDR3
13 unique J



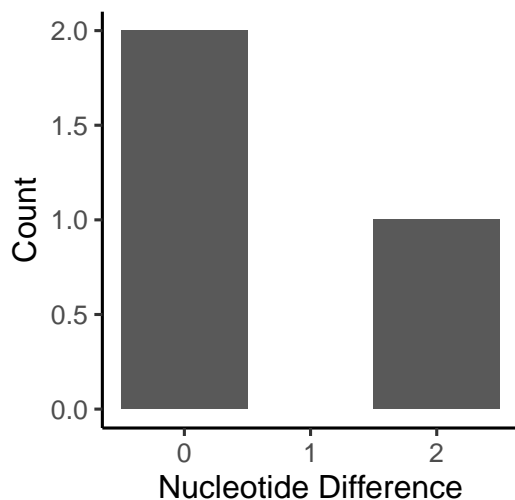
TRBV27*ap01

8367 sequences assigned
8242 (98.5%) exact matches, in which:
8041 unique CDR3
13 unique J



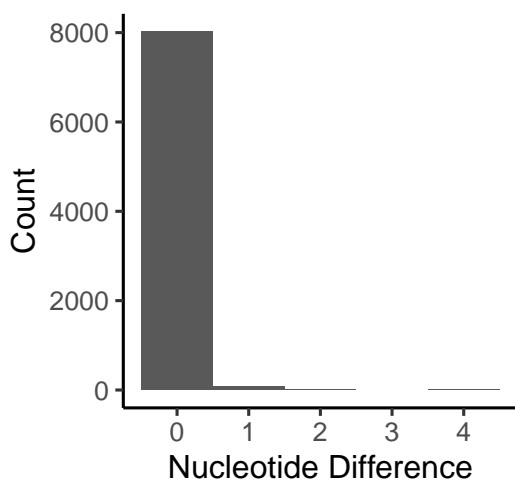
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



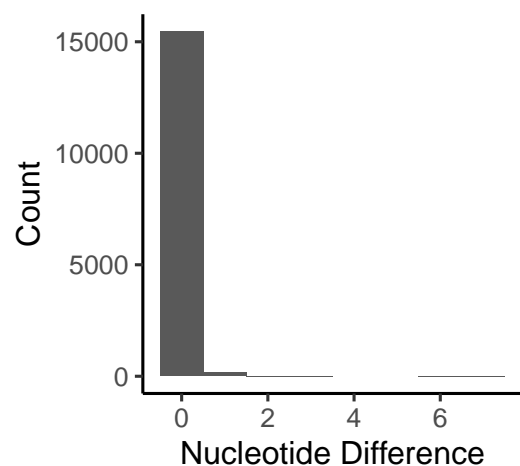
TRBV2*ap01

8114 sequences assigned
8020 (98.8%) exact matches, in which:
7863 unique CDR3
13 unique J



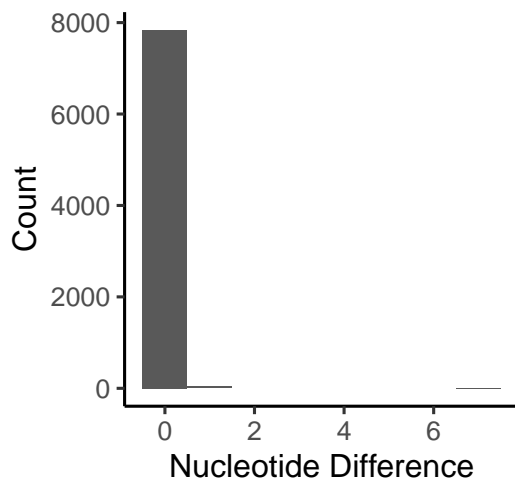
TRBV28*ap01

15638 sequences assigned
15462 (98.9%) exact matches, in which:
15159 unique CDR3
13 unique J



TRBV18*ap01

7881 sequences assigned
7837 (99.4%) exact matches, in which:
7731 unique CDR3
13 unique J



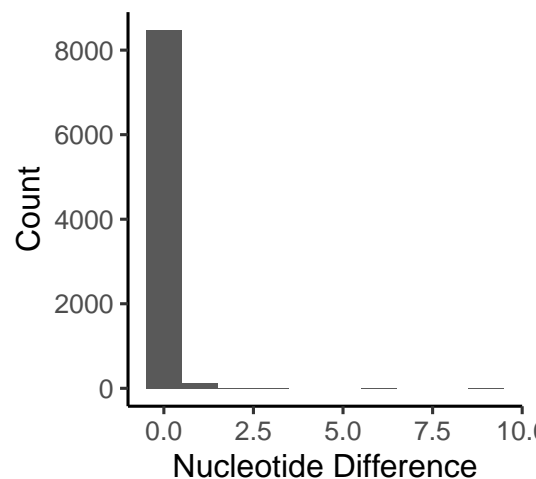
TRBV26*ap01

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



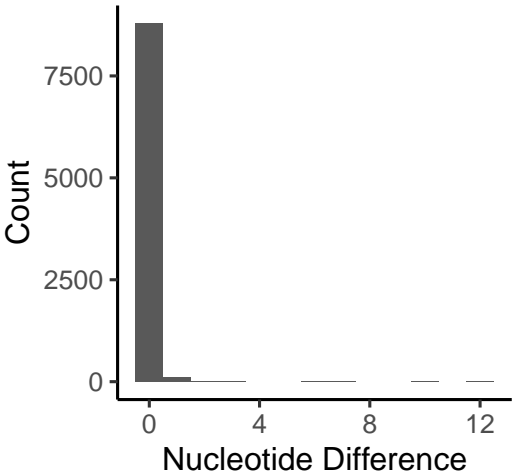
TRBV30*ap01

8608 sequences assigned
8475 (98.5%) exact matches, in which:
8370 unique CDR3
13 unique J



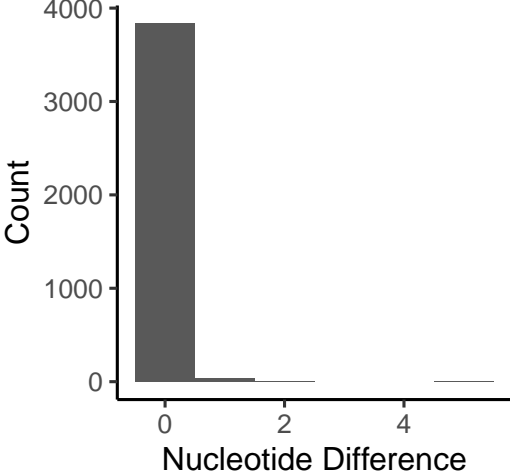
TRBV9*ap01

8908 sequences assigned
8788 (98.7%) exact matches, in which:
8622 unique CDR3
13 unique J



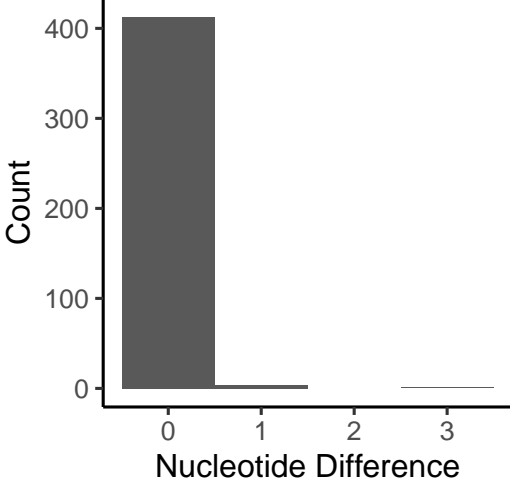
TRBV11-2*ap01

3879 sequences assigned
3836 (98.9%) exact matches, in which:
3749 unique CDR3
13 unique J



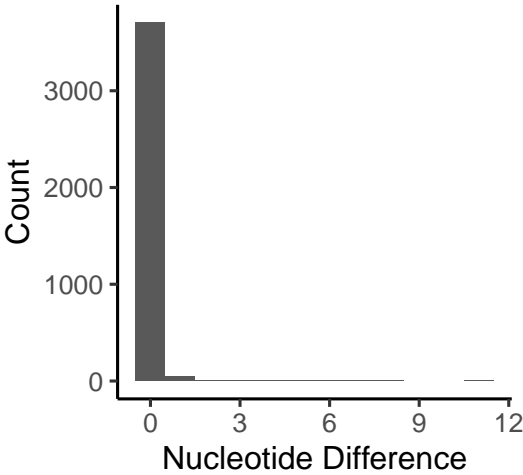
TRBV12-2*ap01

418 sequences assigned
413 (98.8%) exact matches, in which:
401 unique CDR3
13 unique J



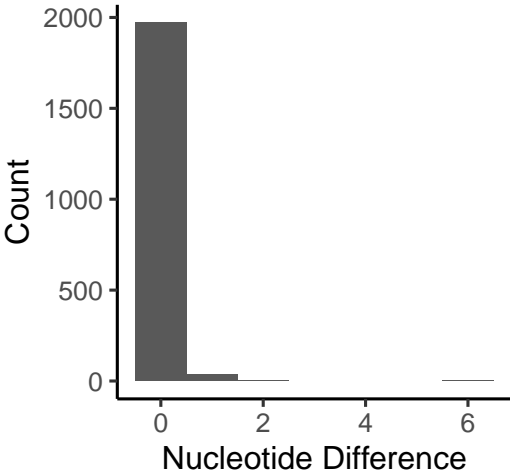
TRBV21-1*ap01

3768 sequences assigned
3703 (98.3%) exact matches, in which:
3620 unique CDR3
13 unique J



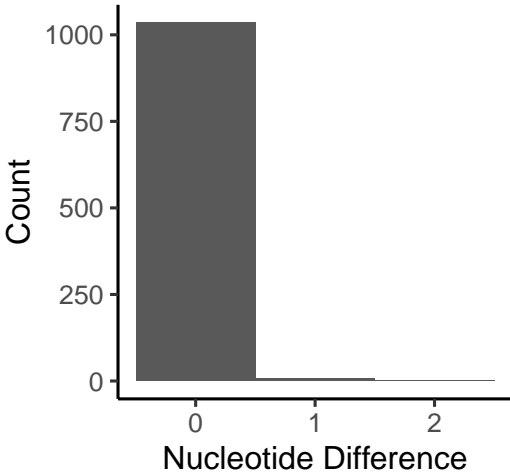
TRBV11-3*ap01

2009 sequences assigned
1971 (98.1%) exact matches, in which:
1936 unique CDR3
13 unique J



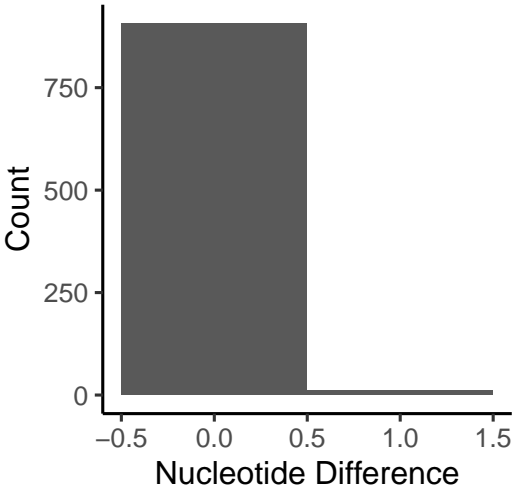
TRBV12-5*ap01

1042 sequences assigned
1035 (99.3%) exact matches, in which:
1017 unique CDR3
13 unique J



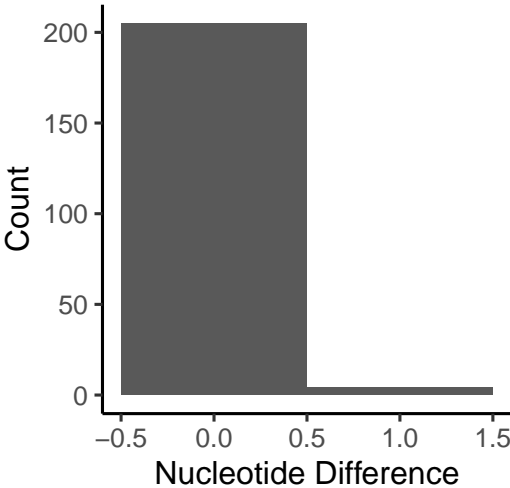
TRBV11-1*ap01

918 sequences assigned
907 (98.8%) exact matches, in which:
884 unique CDR3
13 unique J



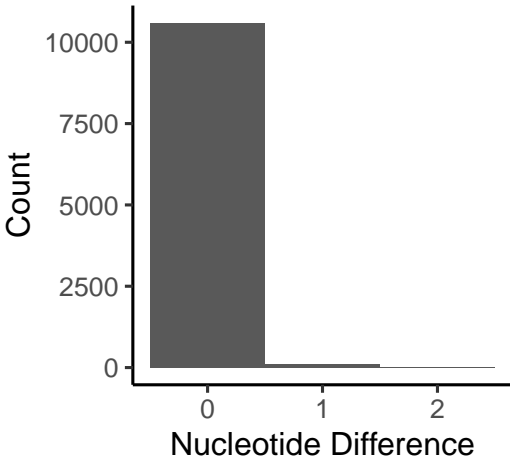
TRBV12-1*ap01

209 sequences assigned
205 (98.1%) exact matches, in which:
198 unique CDR3
13 unique J



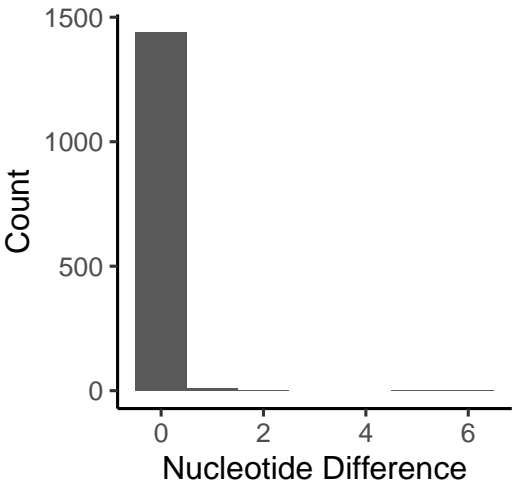
TRBV12-34*ap01

10713 sequences assigned
10599 (98.9%) exact matches, in which:
10412 unique CDR3
13 unique J



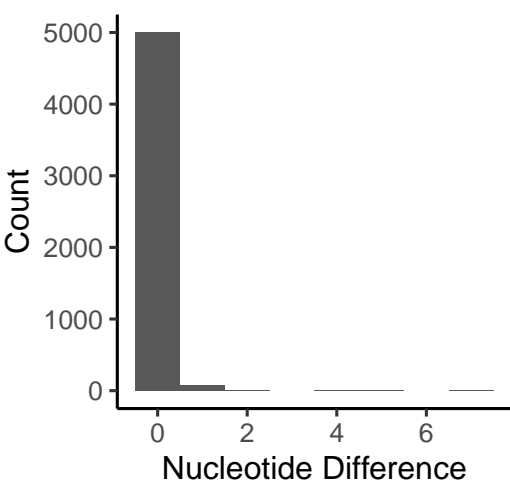
TRBV23-1*ap01

1455 sequences assigned
1439 (98.9%) exact matches, in which:
1410 unique CDR3
13 unique J



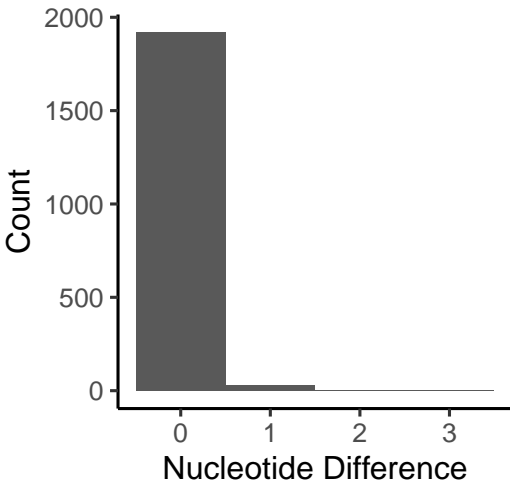
TRBV24-1*ap01

5080 sequences assigned
5001 (98.4%) exact matches, in which:
4905 unique CDR3
13 unique J



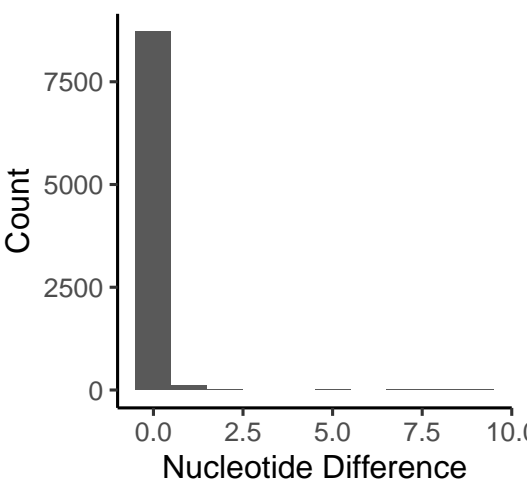
TRBV25-1*ap01

1952 sequences assigned
1919 (98.3%) exact matches, in which:
1885 unique CDR3
13 unique J



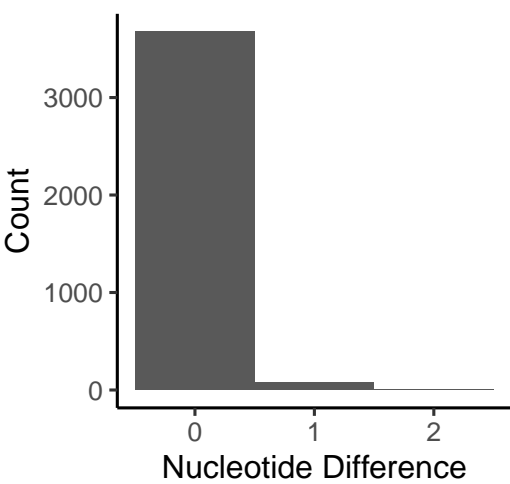
TRBV3-12*ap01

8830 sequences assigned
8717 (98.7%) exact matches, in which:
8508 unique CDR3
13 unique J



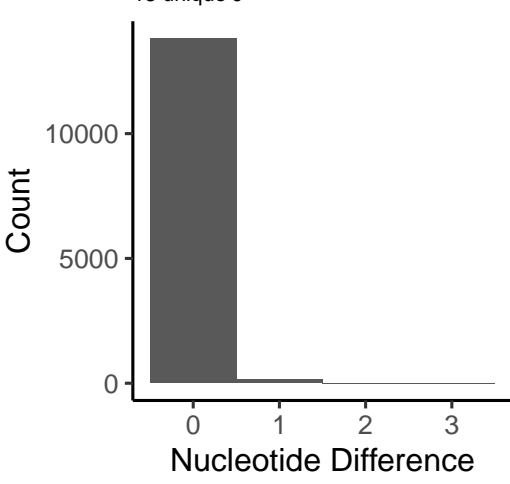
TRBV4-2*ap01

3751 sequences assigned
3675 (98%) exact matches, in which:
3603 unique CDR3
13 unique J



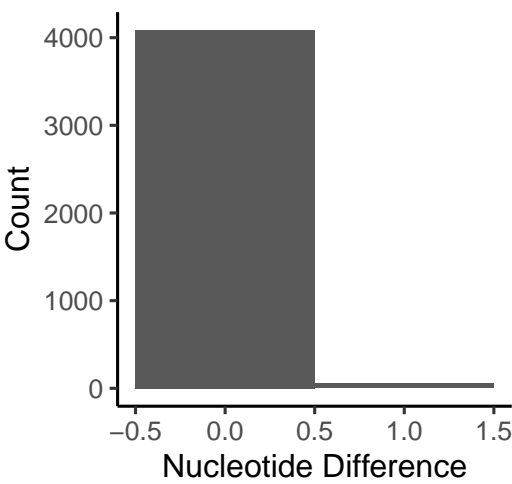
TRBV5-1*ap01

13975 sequences assigned
13812 (98.8%) exact matches, in which:
13441 unique CDR3
13 unique J



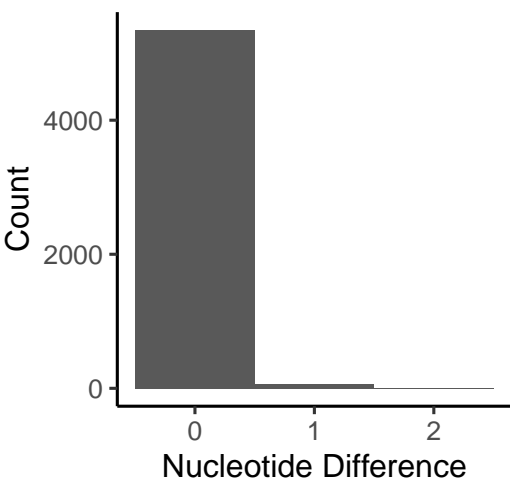
TRBV4-1*ap01

4143 sequences assigned
4087 (98.6%) exact matches, in which:
4008 unique CDR3
13 unique J



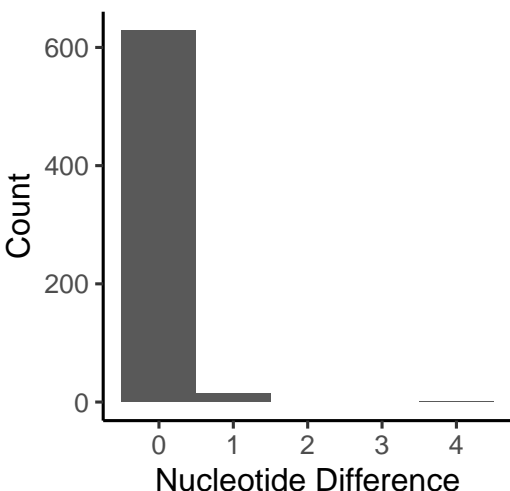
TRBV4-3*ap01

5417 sequences assigned
5345 (98.7%) exact matches, in which:
5225 unique CDR3
13 unique J



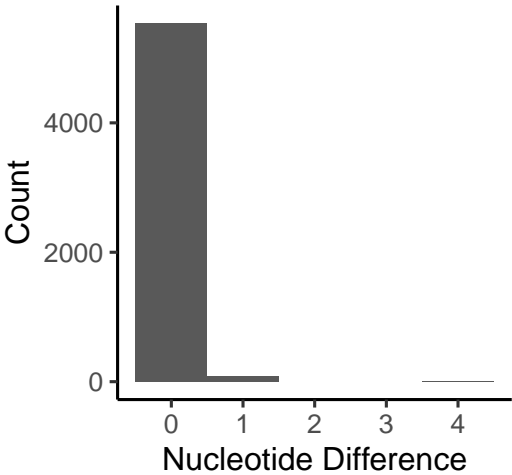
TRBV5-3*ap01

644 sequences assigned
629 (97.7%) exact matches, in which:
616 unique CDR3
13 unique J



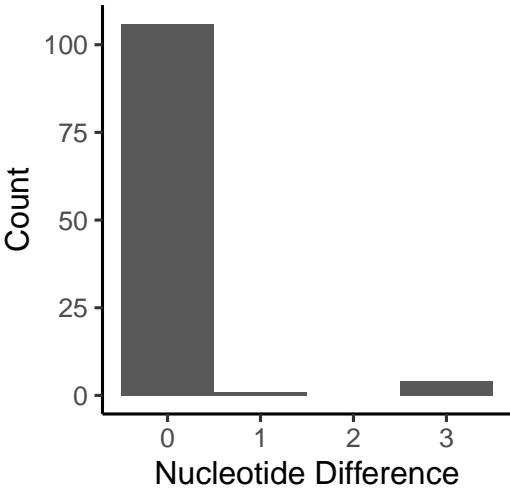
TRBV5-4*ap01

5626 sequences assigned
5537 (98.4%) exact matches, in which:
5387 unique CDR3
13 unique J



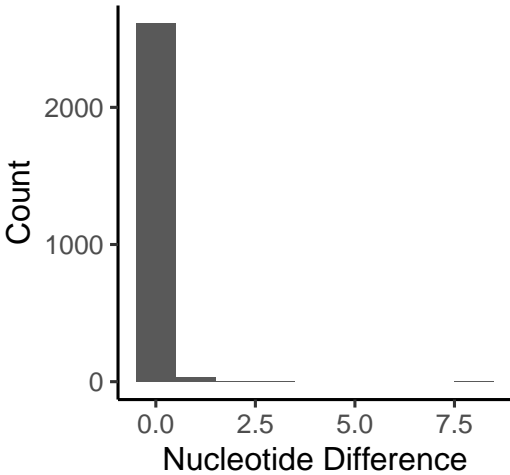
TRBV5-7*ap01

111 sequences assigned
106 (95.5%) exact matches, in which:
104 unique CDR3
13 unique J



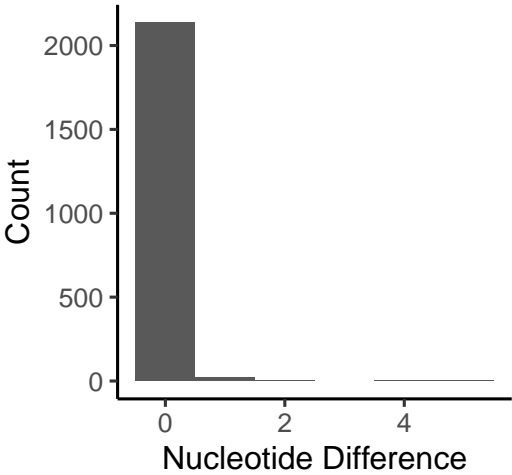
TRBV6-4*ap01

2655 sequences assigned
2612 (98.4%) exact matches, in which:
2571 unique CDR3
13 unique J



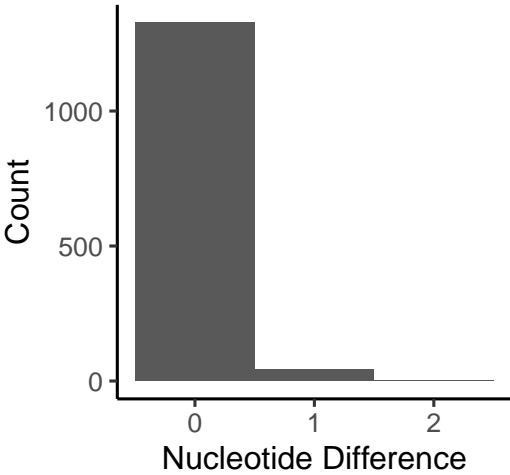
TRBV5-5*ap01

2164 sequences assigned
2136 (98.7%) exact matches, in which:
2098 unique CDR3
13 unique J



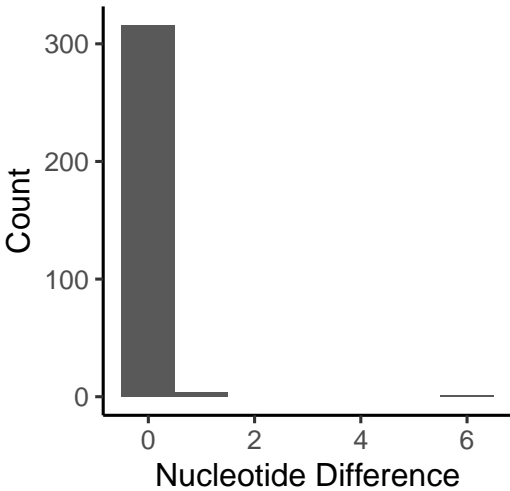
TRBV5-8*ap01

1373 sequences assigned
1327 (96.6%) exact matches, in which:
1305 unique CDR3
13 unique J



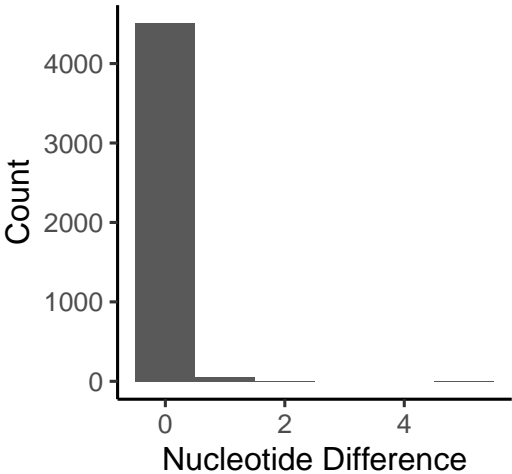
TRBV6-7*ap01

321 sequences assigned
316 (98.4%) exact matches, in which:
309 unique CDR3
13 unique J



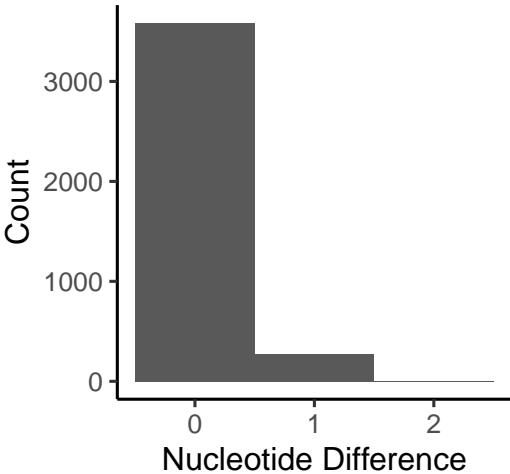
TRBV5-6*ap01

4570 sequences assigned
4510 (98.7%) exact matches, in which:
4394 unique CDR3
13 unique J



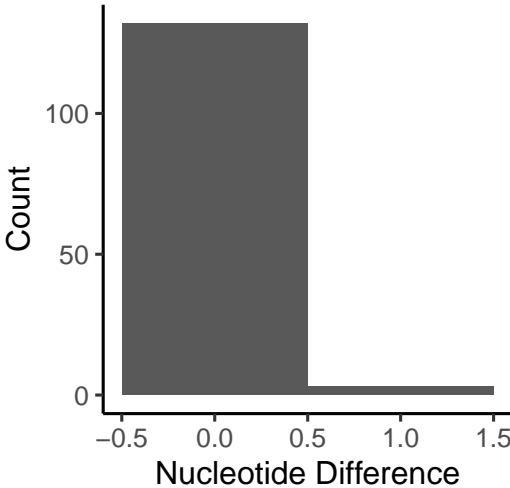
TRBV6-1*ap01

3860 sequences assigned
3584 (92.8%) exact matches, in which:
3509 unique CDR3
13 unique J



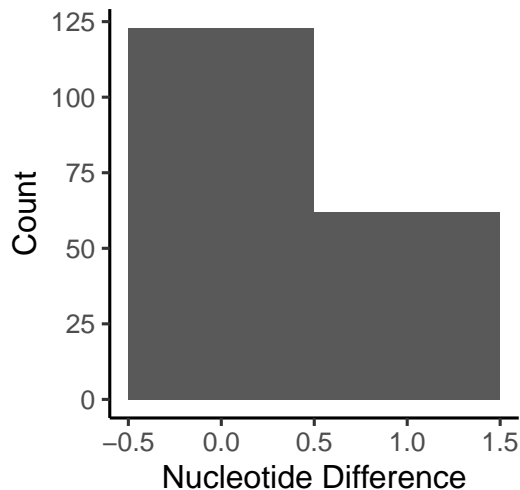
TRBV6-8*ap01

135 sequences assigned
132 (97.8%) exact matches, in which:
127 unique CDR3
12 unique J



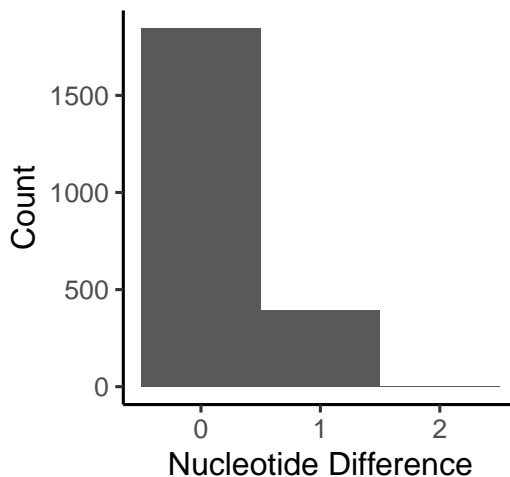
TRBV6-9*ap01

185 sequences assigned
123 (66.5%) exact matches, in which:
120 unique CDR3
13 unique J



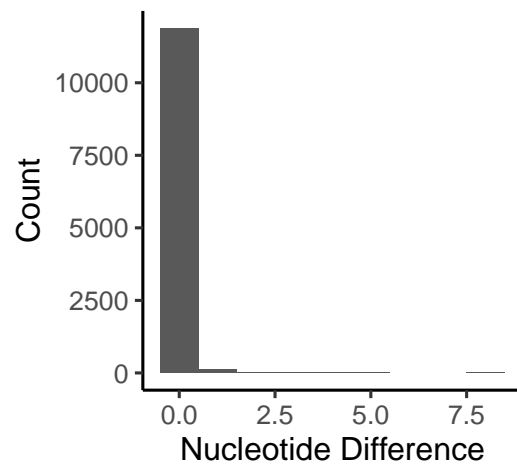
TRBV6-56*ap02

2242 sequences assigned
1845 (82.3%) exact matches, in which:
1803 unique CDR3
13 unique J



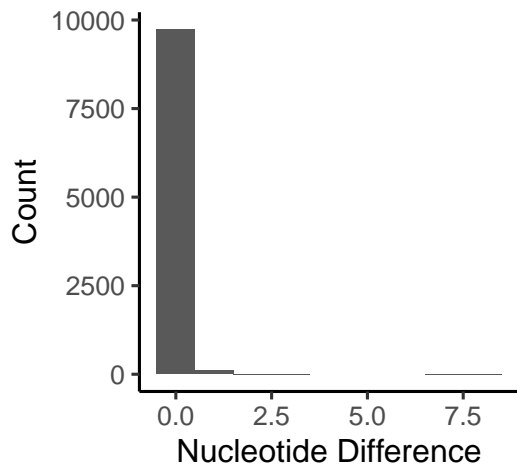
TRBV7-2*ap01

12007 sequences assigned
11882 (99%) exact matches, in which:
11639 unique CDR3
13 unique J



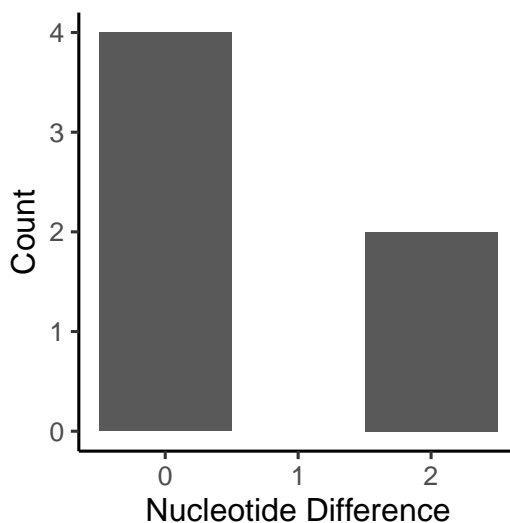
TRBV6-23*ap01

9857 sequences assigned
9733 (98.7%) exact matches, in which:
9508 unique CDR3
13 unique J



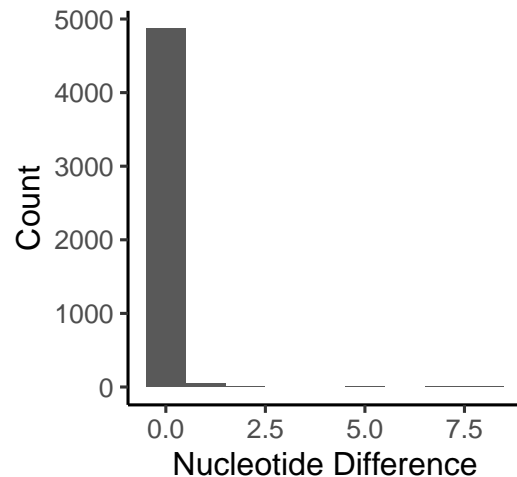
TRBV7-1*ap01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
4 unique J



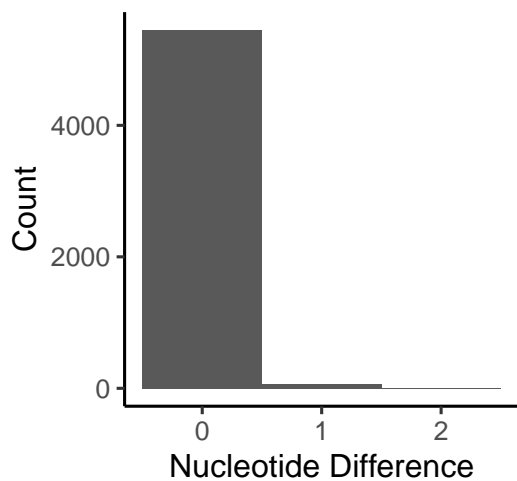
TRBV7-3*ap01

4922 sequences assigned
4868 (98.9%) exact matches, in which:
4782 unique CDR3
13 unique J



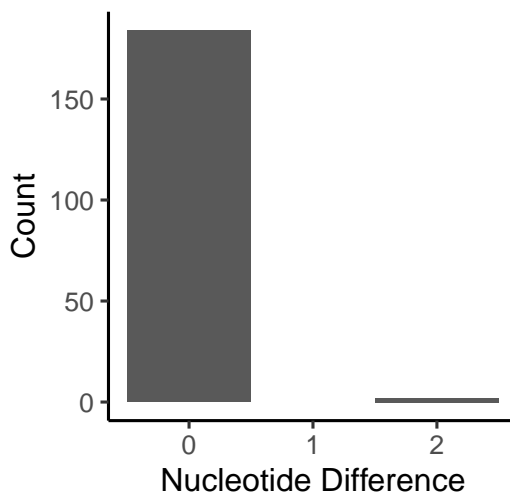
TRBV6-56*ap01

5514 sequences assigned
5450 (98.8%) exact matches, in which:
5330 unique CDR3
13 unique J



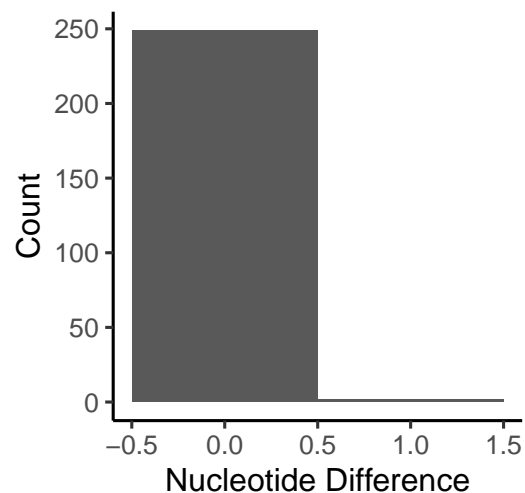
TRBV7-1*ap01_G291C_

186 sequences assigned
184 (98.9%) exact matches, in which:
182 unique CDR3
13 unique J



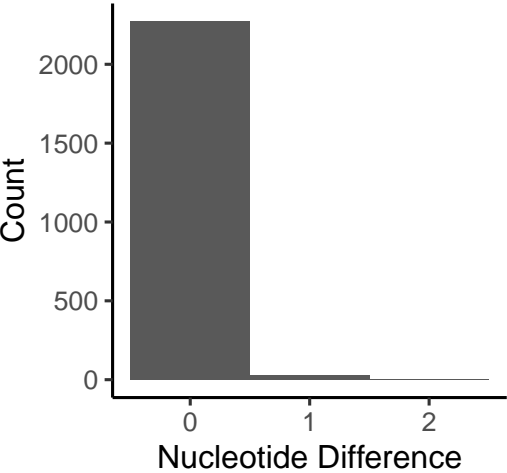
TRBV7-4*ap01

251 sequences assigned
249 (99.2%) exact matches, in which:
239 unique CDR3
13 unique J



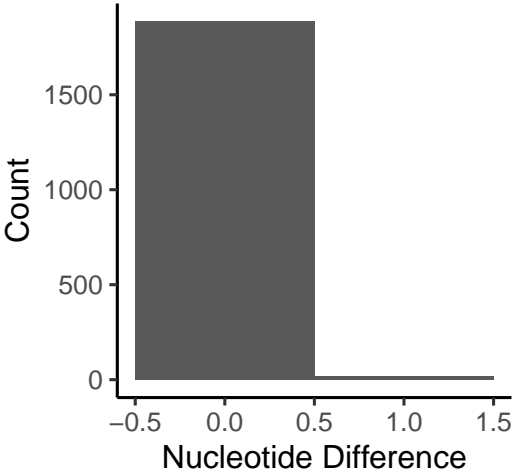
TRBV7-6*ap01

2299 sequences assigned
2272 (98.8%) exact matches, in which:
2227 unique CDR3
13 unique J



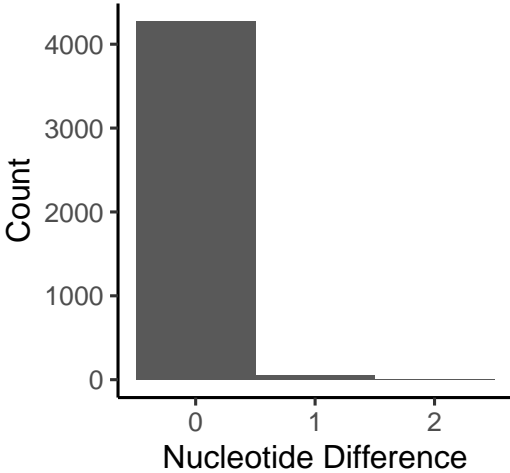
TRBV7-8*ap01

1907 sequences assigned
1886 (98.9%) exact matches, in which:
1847 unique CDR3
13 unique J



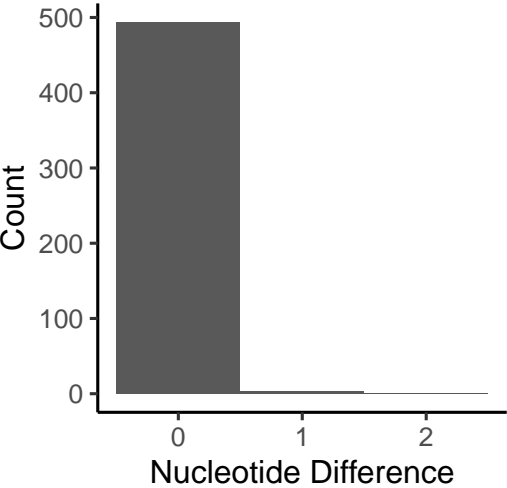
TRBV29-1*ap01

4330 sequences assigned
4272 (98.7%) exact matches, in which:
4192 unique CDR3
13 unique J



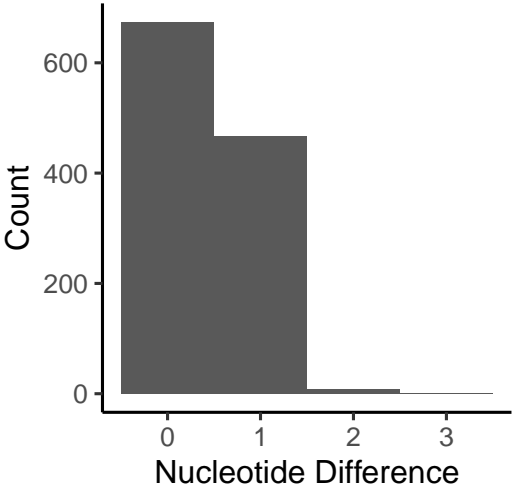
TRBV7-7*ap01

498 sequences assigned
494 (99.2%) exact matches, in which:
484 unique CDR3
13 unique J



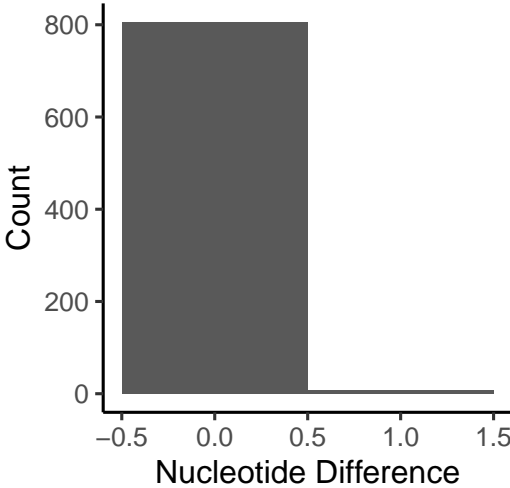
TRBV7-8*ap03

1149 sequences assigned
674 (58.7%) exact matches, in which:
659 unique CDR3
13 unique J



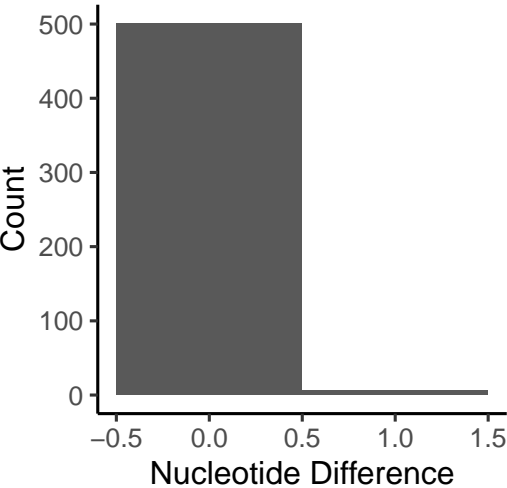
TRBV29-1*ap02

814 sequences assigned
806 (99%) exact matches, in which:
797 unique CDR3
13 unique J



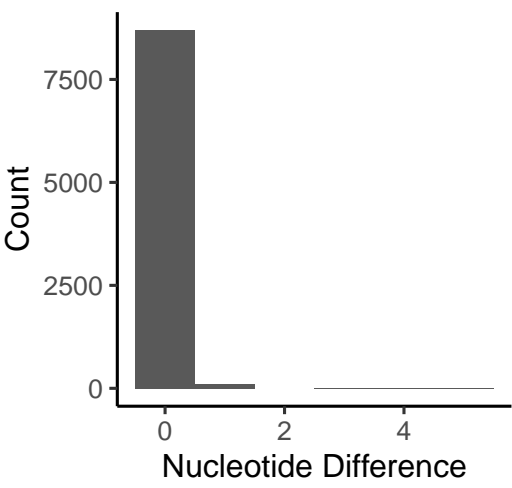
TRBV7-7*ap01_C315T

507 sequences assigned
501 (98.8%) exact matches, in which:
489 unique CDR3
13 unique J

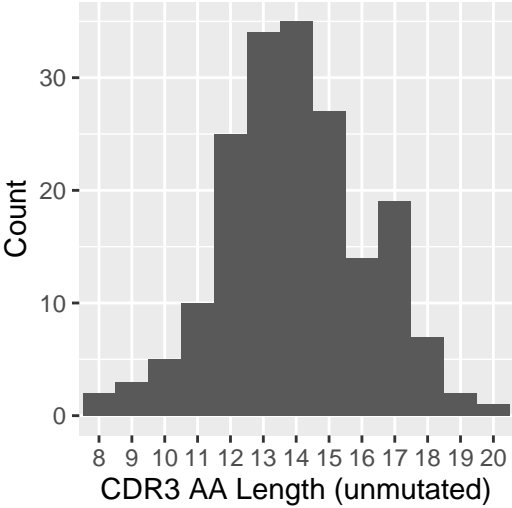


TRBV7-9*ap01

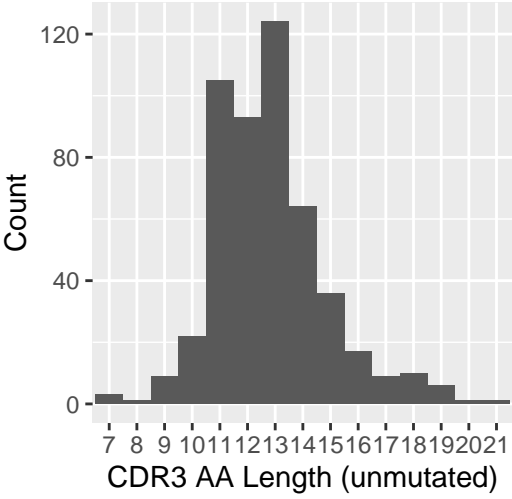
8808 sequences assigned
8699 (98.8%) exact matches, in which:
8531 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]