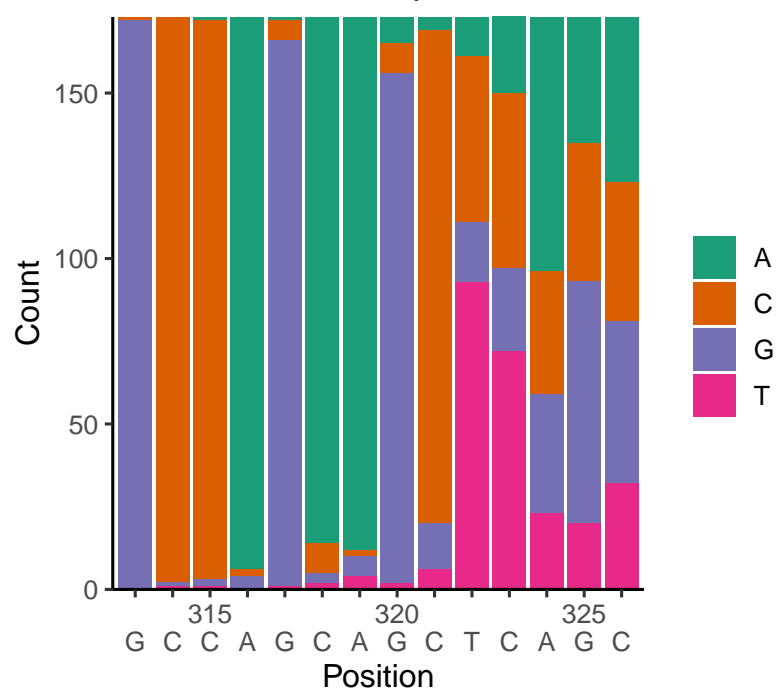
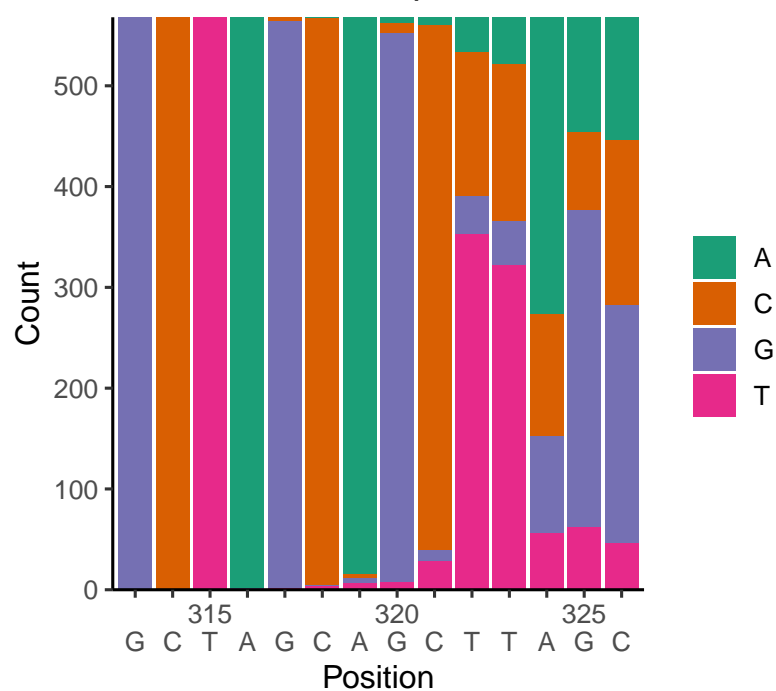


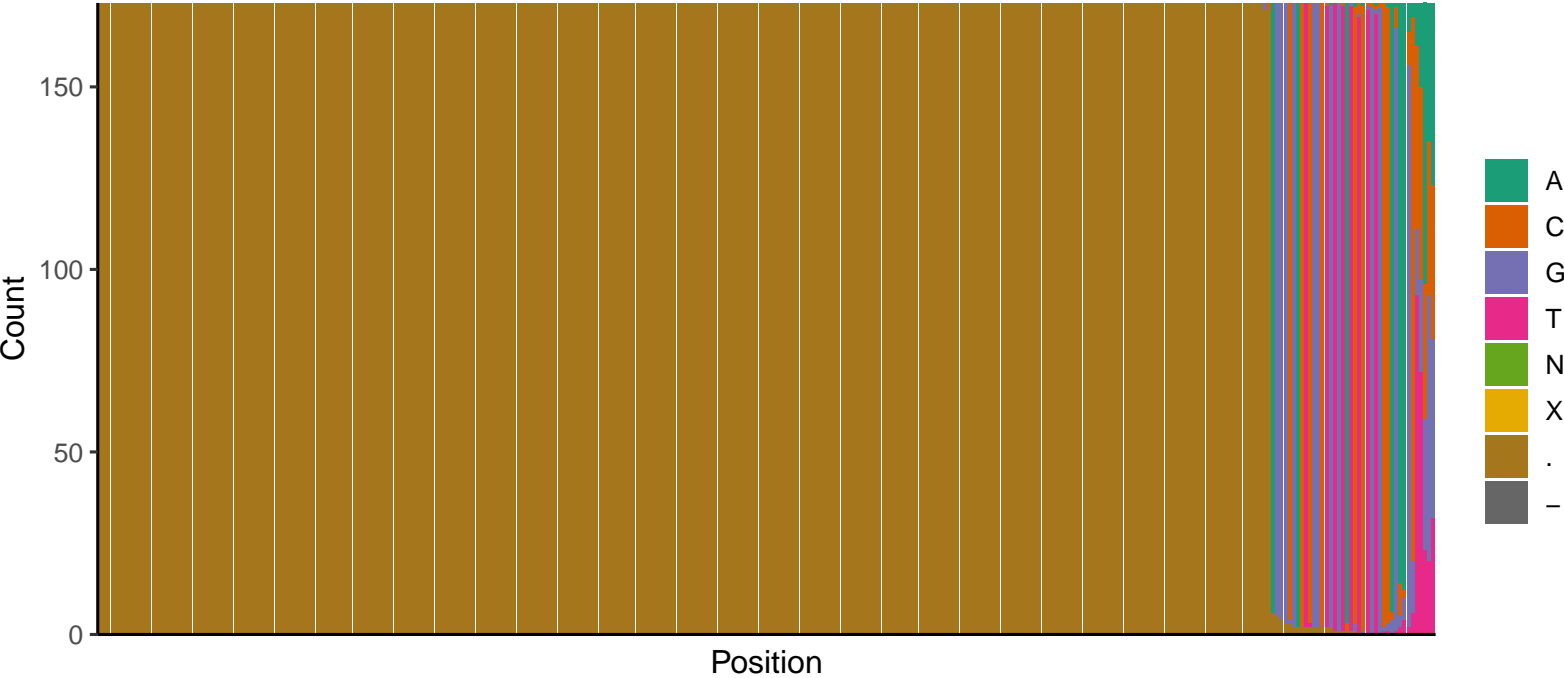
Gene TRBV7-1*ap01_G291C_T296C



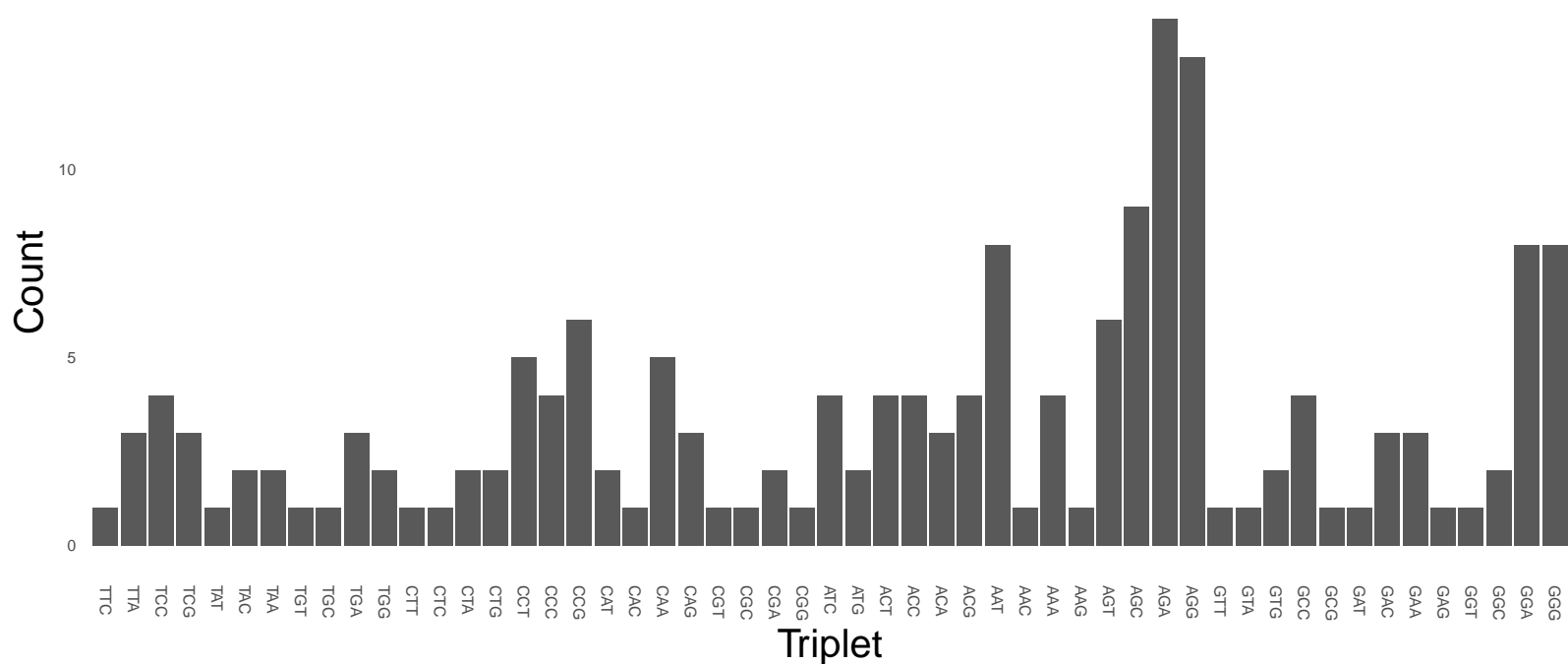
Gene TRBV7-7*ap01_C315T



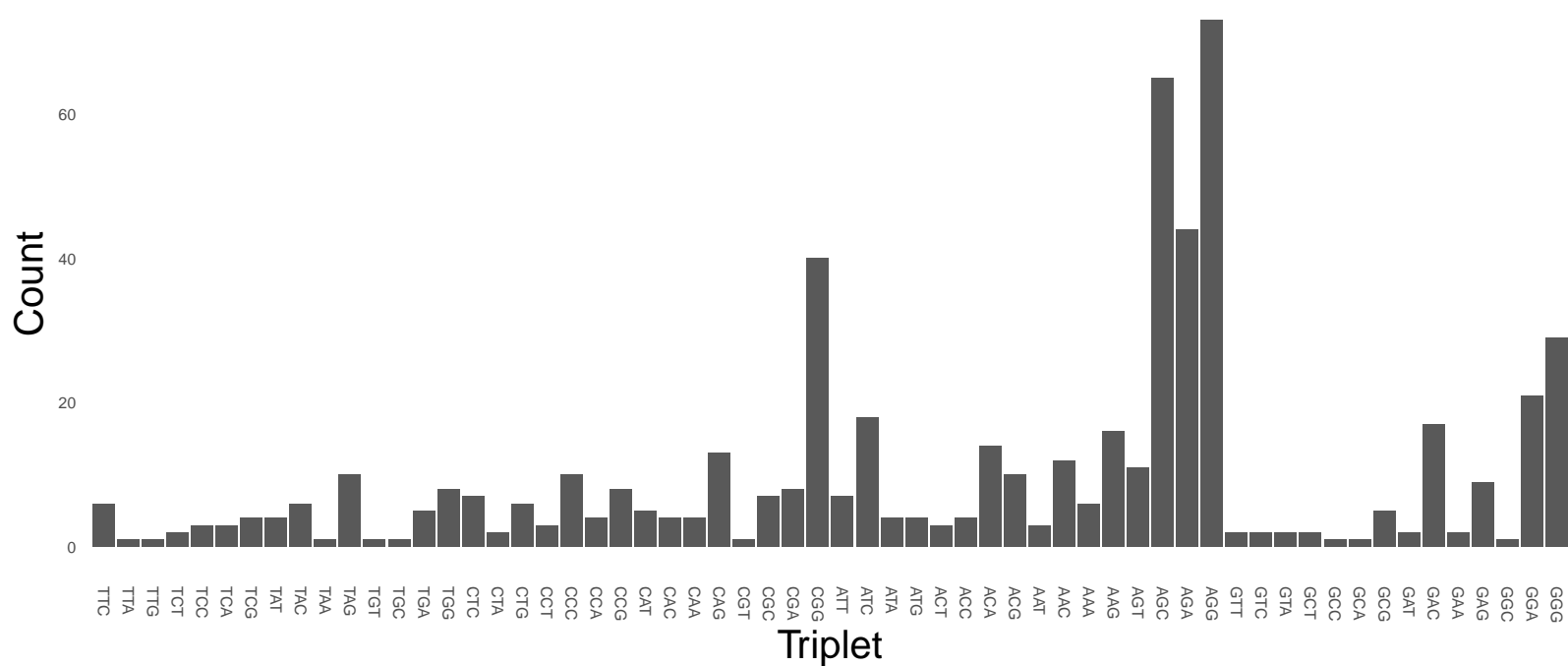
Gene TRBV7-1*ap01_G291C_T296C



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

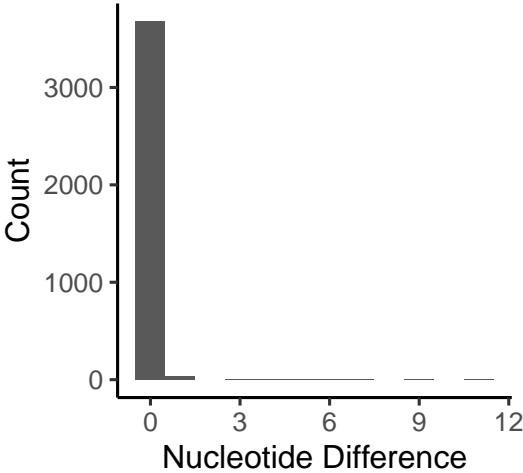


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



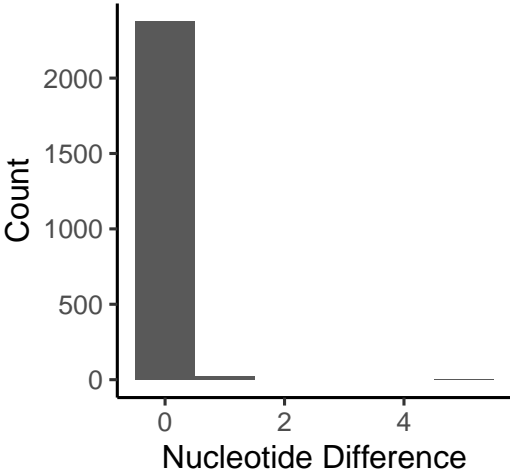
TRBV10-1*ap01

3716 sequences assigned
3678 (99%) exact matches, in which:
3583 unique CDR3
13 unique J



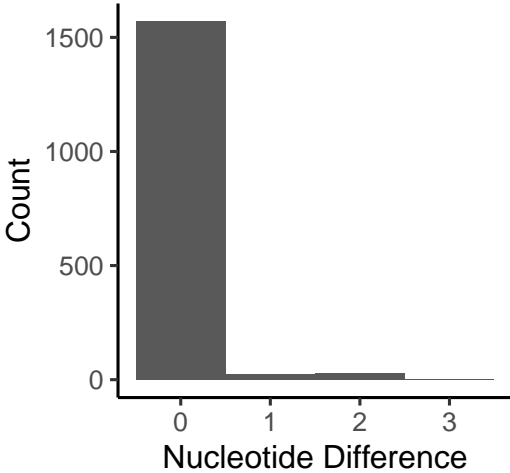
TRBV10-2*ap01

2398 sequences assigned
2376 (99.1%) exact matches, in which:
2321 unique CDR3
13 unique J



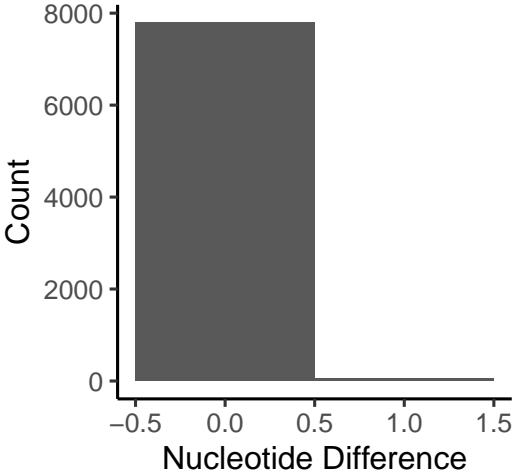
TRBV13*ap01

1628 sequences assigned
1570 (96.4%) exact matches, in which:
1519 unique CDR3
13 unique J



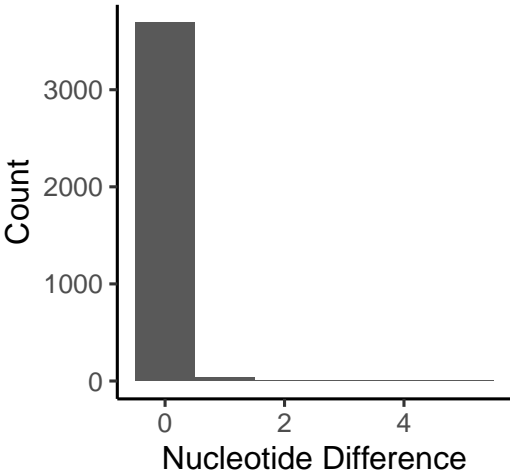
TRBV20-1*ap01

7837 sequences assigned
7792 (99.4%) exact matches, in which:
7689 unique CDR3
13 unique J



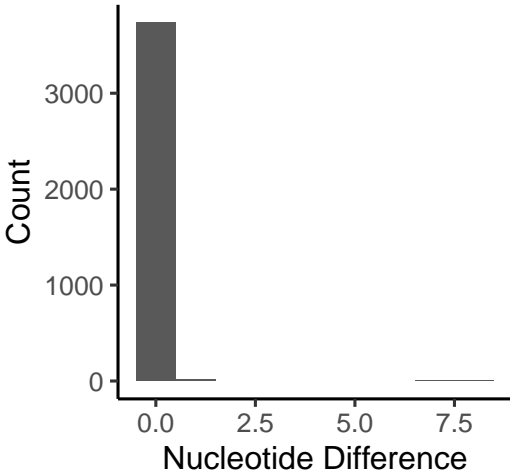
TRBV10-3*ap01

3739 sequences assigned
3690 (98.7%) exact matches, in which:
3597 unique CDR3
13 unique J



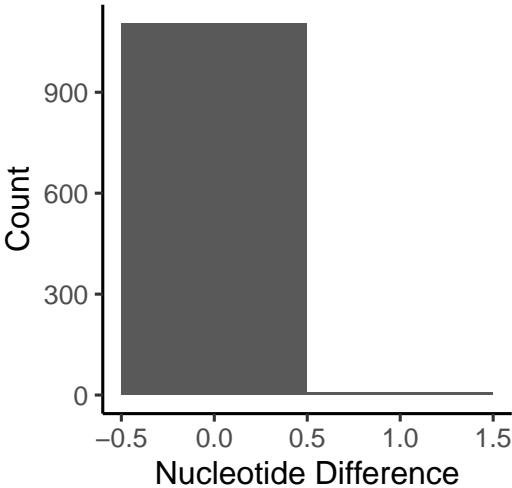
TRBV14*ap01

3756 sequences assigned
3735 (99.4%) exact matches, in which:
3681 unique CDR3
13 unique J



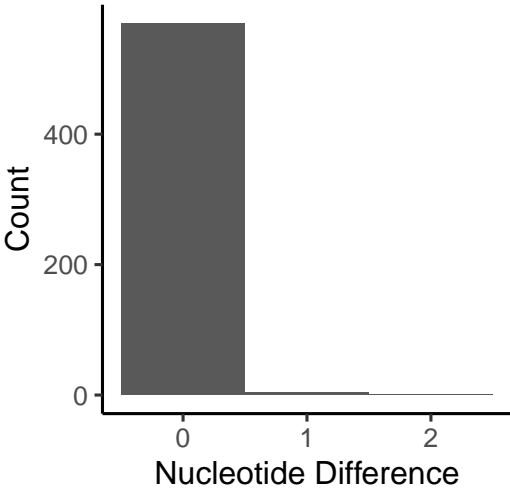
TRBV20-1*ap02

1112 sequences assigned
1105 (99.4%) exact matches, in which:
1097 unique CDR3
13 unique J



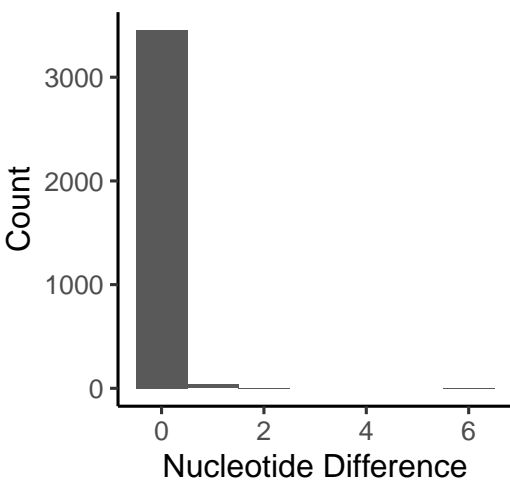
TRBV1*ap01

575 sequences assigned
570 (99.1%) exact matches, in which:
555 unique CDR3
13 unique J



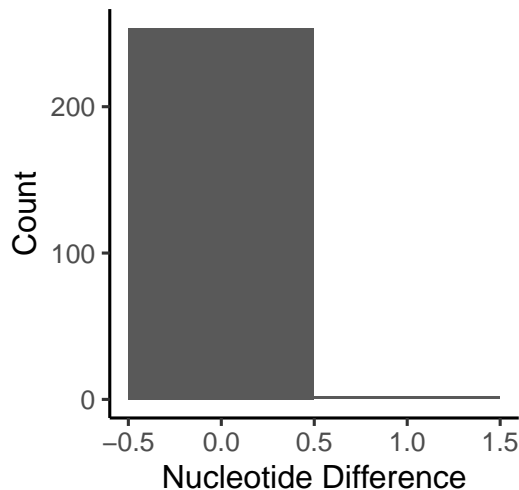
TRBV15*ap02

3493 sequences assigned
3455 (98.9%) exact matches, in which:
3374 unique CDR3
13 unique J



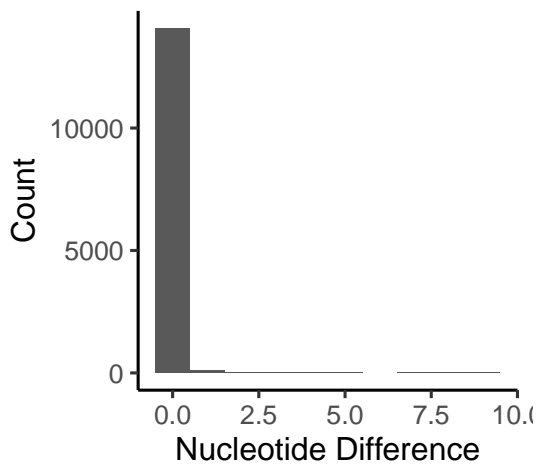
TRBV16*ap01

256 sequences assigned
254 (99.2%) exact matches, in which:
252 unique CDR3
13 unique J



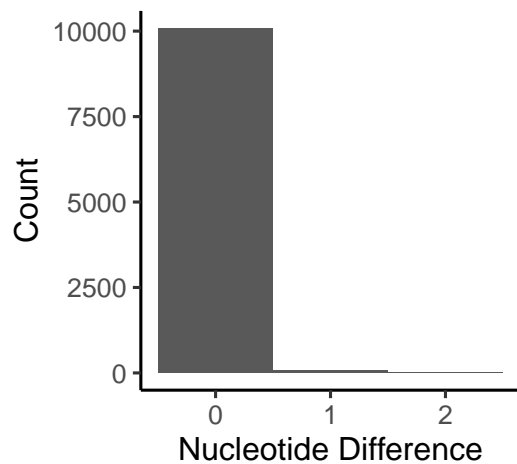
TRBV19*ap01

14200 sequences assigned
14079 (99.1%) exact matches, in which:
13953 unique CDR3
14 unique J



TRBV28*ap01

10160 sequences assigned
10087 (99.3%) exact matches, in which:
9950 unique CDR3
13 unique J



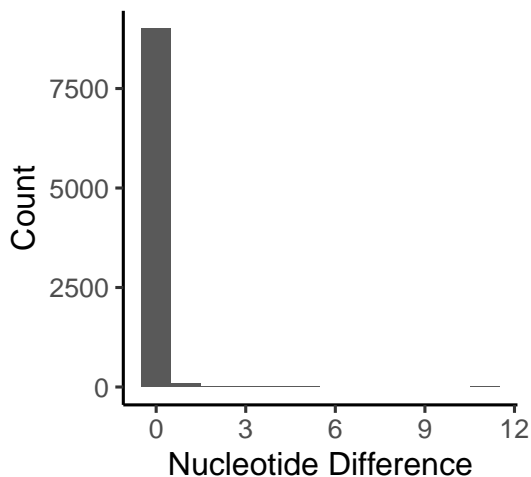
TRBV17*ap01

1 sequences assigned
No exact matches.



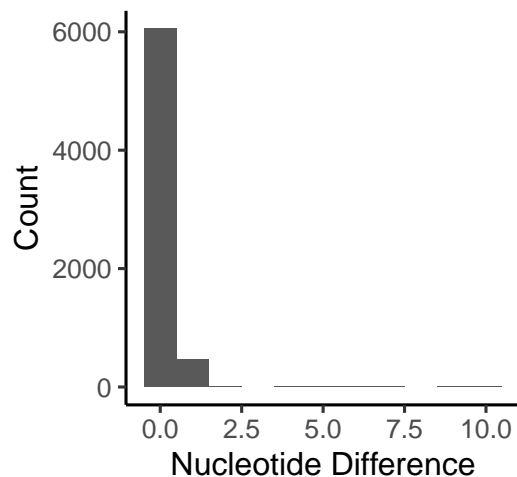
TRBV2*ap01

9093 sequences assigned
9002 (99%) exact matches, in which:
8792 unique CDR3
13 unique J



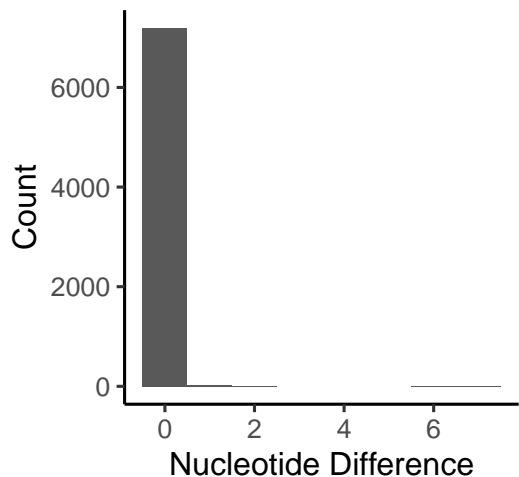
TRBV30*ap01

6537 sequences assigned
6052 (92.6%) exact matches, in which:
5766 unique CDR3
13 unique J



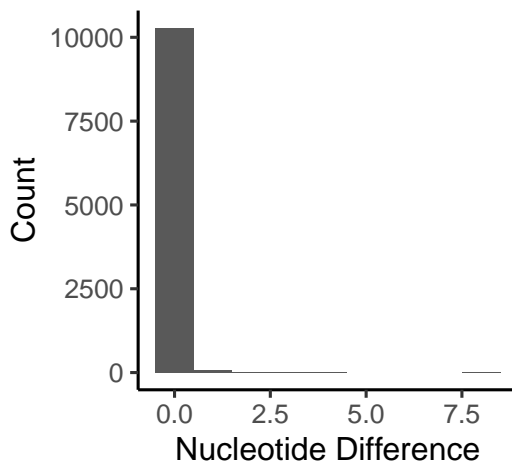
TRBV18*ap01

7223 sequences assigned
7192 (99.6%) exact matches, in which:
7084 unique CDR3
13 unique J



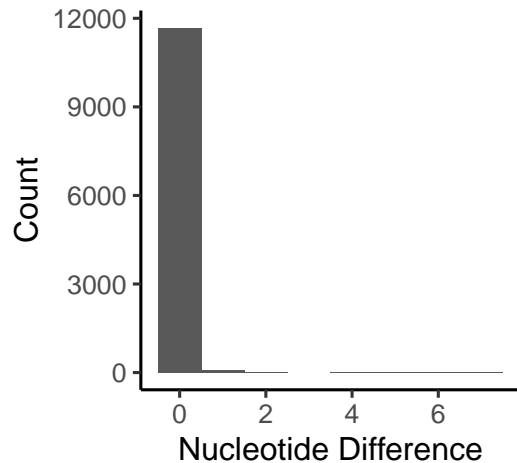
TRBV27*ap01

10354 sequences assigned
10284 (99.3%) exact matches, in which:
10101 unique CDR3
13 unique J



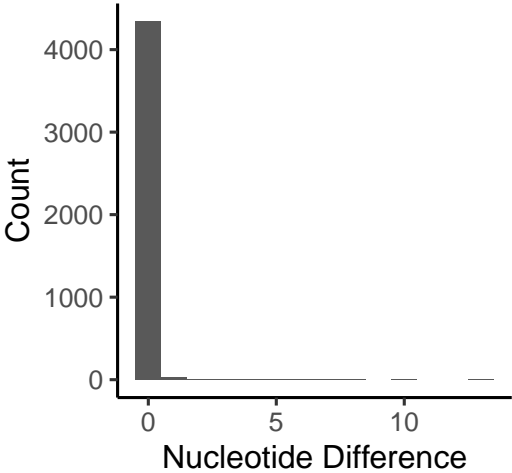
TRBV9*ap01

11784 sequences assigned
11679 (99.1%) exact matches, in which:
11495 unique CDR3
13 unique J



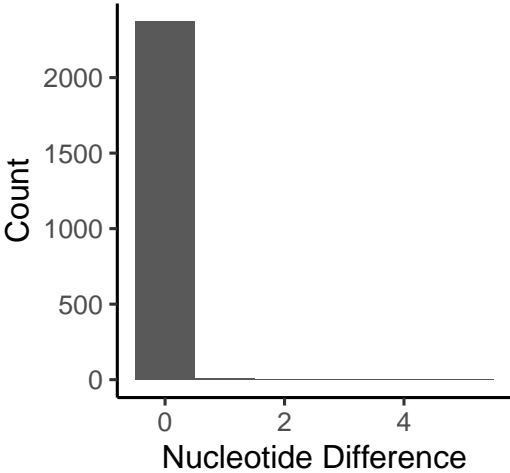
TRBV21-1*ap01

4415 sequences assigned
4342 (98.3%) exact matches, in which:
4279 unique CDR3
13 unique J



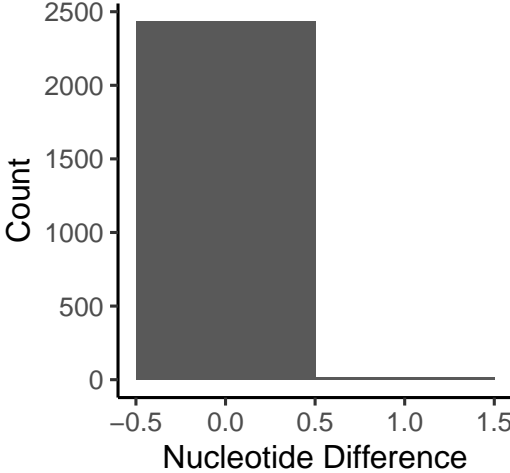
TRBV11-3*ap01

2389 sequences assigned
2372 (99.3%) exact matches, in which:
2353 unique CDR3
13 unique J



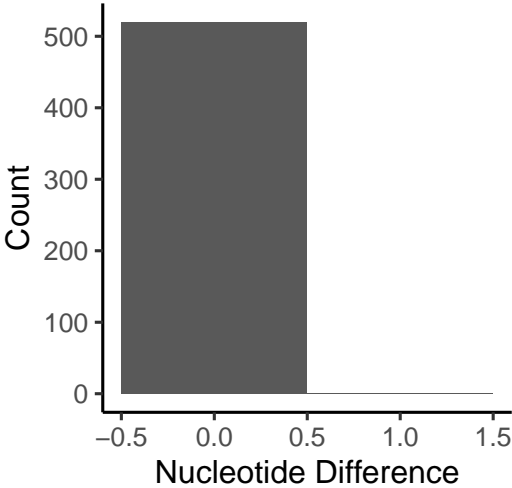
TRBV12-5*ap01

2453 sequences assigned
2434 (99.2%) exact matches, in which:
2391 unique CDR3
13 unique J



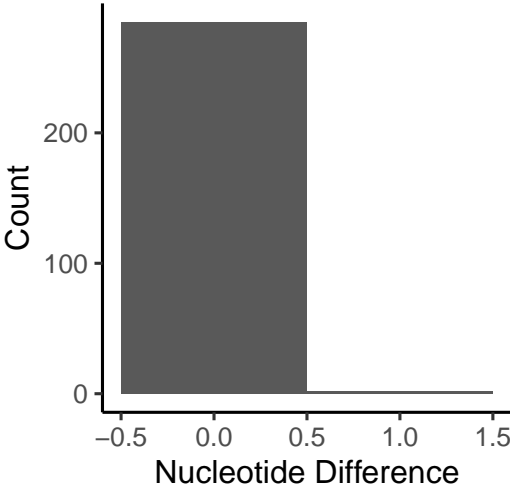
TRBV11-1*ap01

521 sequences assigned
520 (99.8%) exact matches, in which:
514 unique CDR3
13 unique J



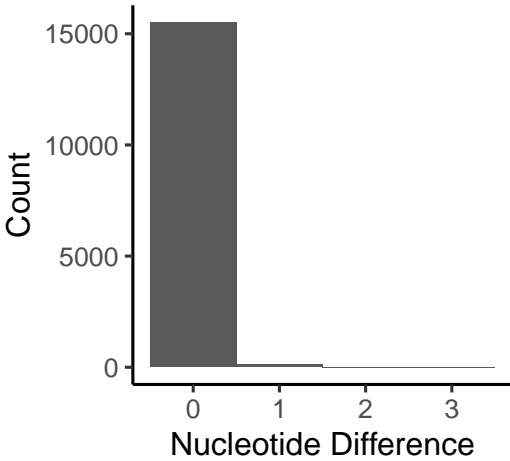
TRBV12-1*ap01

287 sequences assigned
285 (99.3%) exact matches, in which:
277 unique CDR3
13 unique J



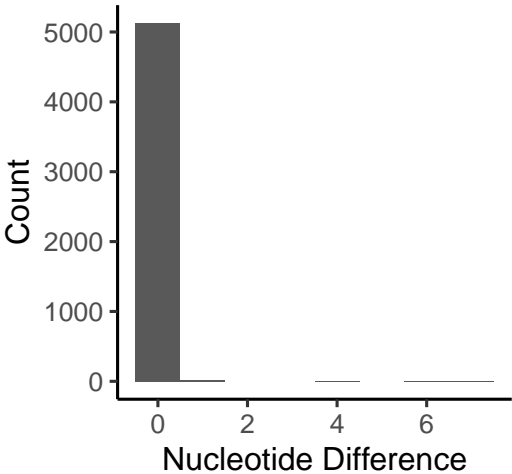
TRBV12-34*ap01

15629 sequences assigned
15508 (99.2%) exact matches, in which:
15212 unique CDR3
13 unique J



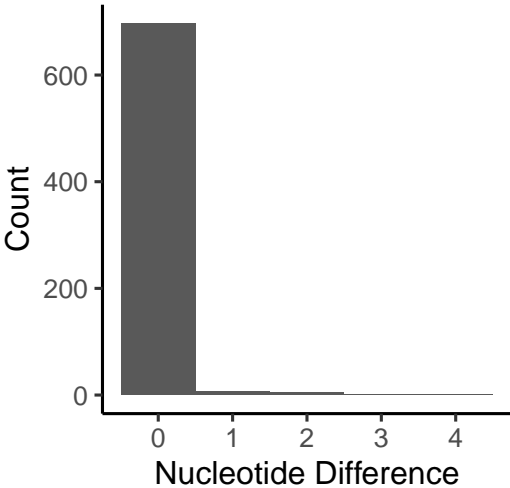
TRBV11-2*ap01

5153 sequences assigned
5128 (99.5%) exact matches, in which:
5090 unique CDR3
13 unique J



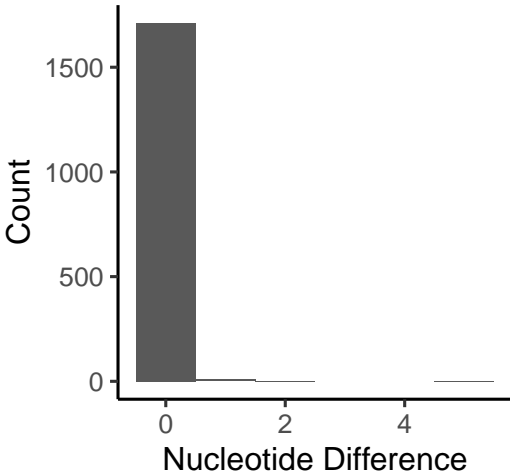
TRBV12-2*ap01

710 sequences assigned
697 (98.2%) exact matches, in which:
683 unique CDR3
13 unique J



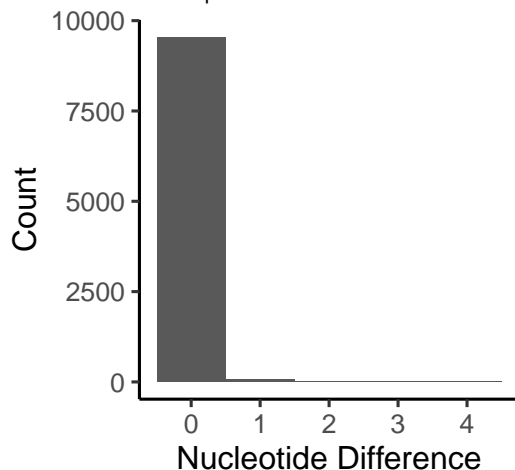
TRBV23-1*ap01

1722 sequences assigned
1711 (99.4%) exact matches, in which:
1673 unique CDR3
13 unique J



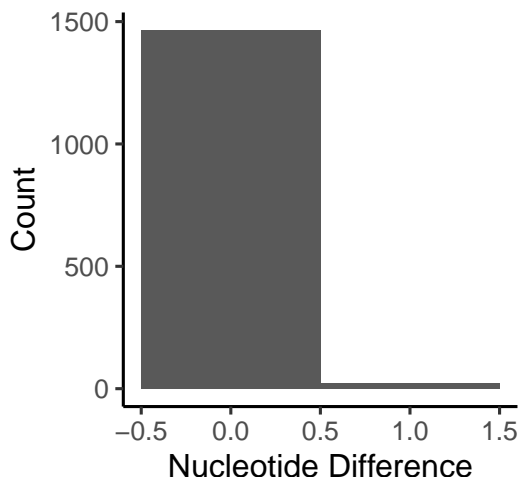
TRBV3-12*ap01

9617 sequences assigned
9543 (99.2%) exact matches, in which:
9429 unique CDR3
13 unique J



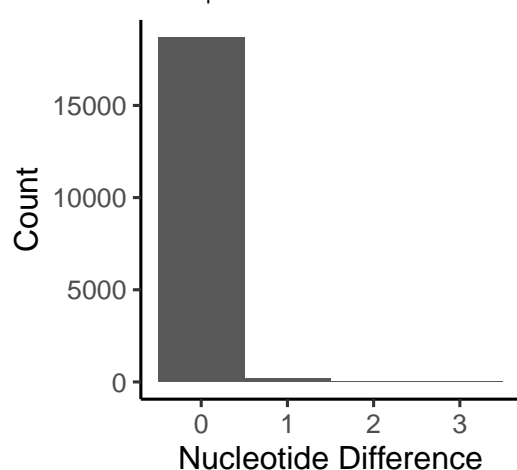
TRBV4-2*ap01

1485 sequences assigned
1464 (98.6%) exact matches, in which:
1417 unique CDR3
13 unique J



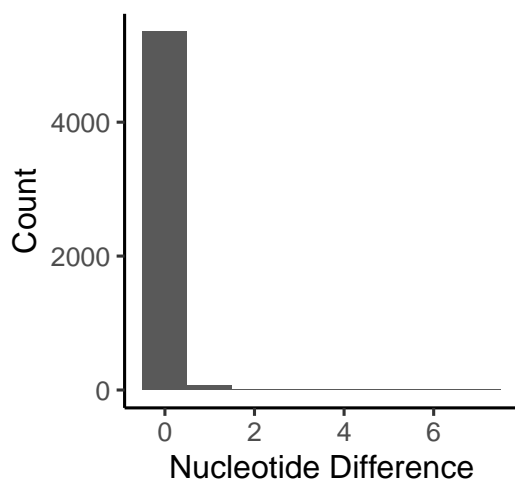
TRBV5-1*ap01

18882 sequences assigned
18703 (99.1%) exact matches, in which:
18244 unique CDR3
13 unique J



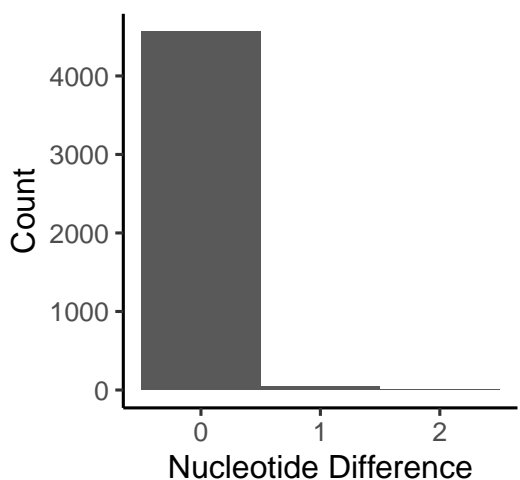
TRBV24-1*ap01

5427 sequences assigned
5351 (98.6%) exact matches, in which:
5229 unique CDR3
13 unique J



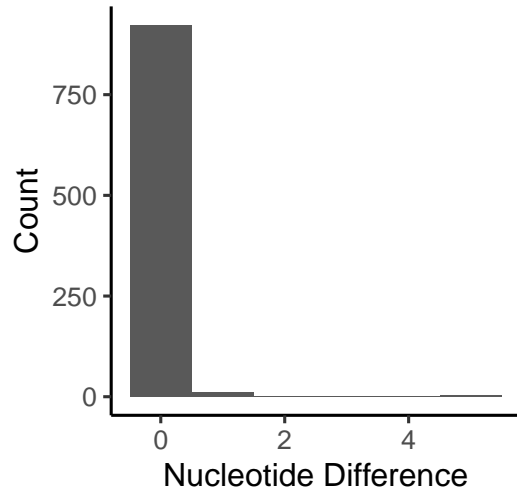
TRBV4-3*ap01

4615 sequences assigned
4563 (98.9%) exact matches, in which:
4456 unique CDR3
13 unique J



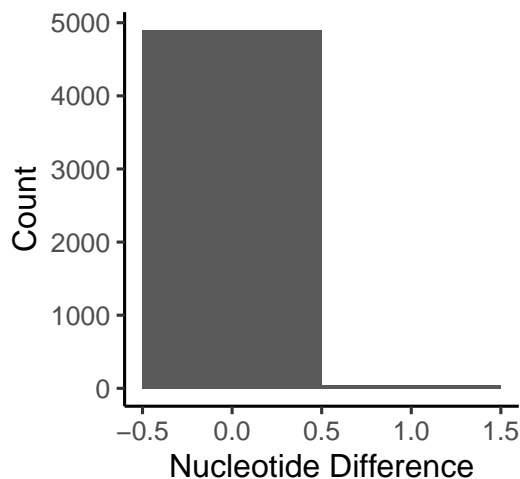
TRBV5-3*ap01

941 sequences assigned
923 (98.1%) exact matches, in which:
902 unique CDR3
13 unique J



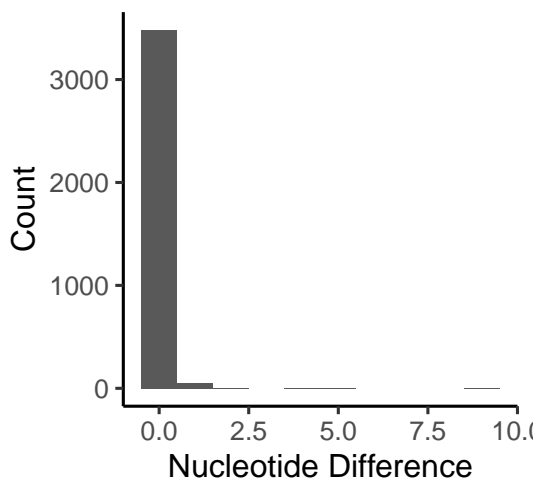
TRBV4-1*ap01

4943 sequences assigned
4900 (99.1%) exact matches, in which:
4747 unique CDR3
13 unique J



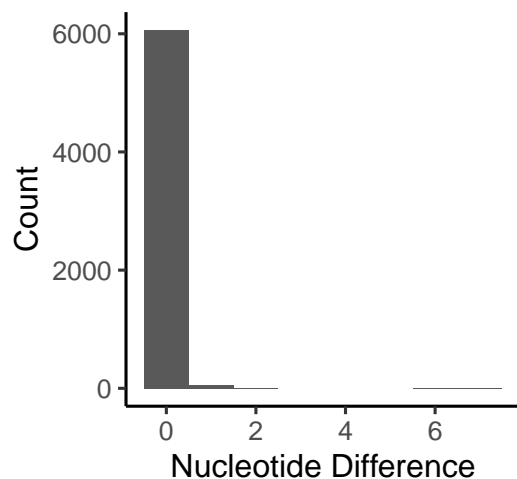
TRBV25-1*ap01

3537 sequences assigned
3481 (98.4%) exact matches, in which:
3345 unique CDR3
13 unique J



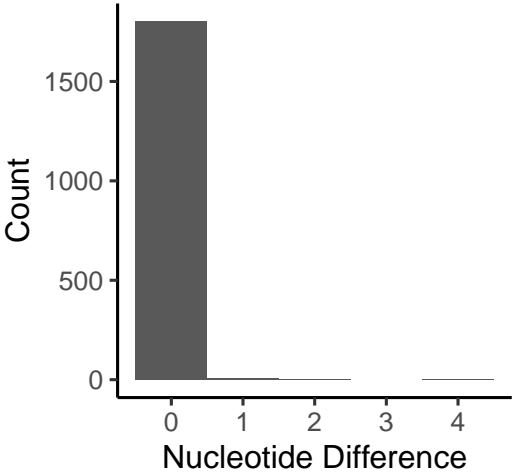
TRBV5-4*ap01

6123 sequences assigned
6063 (99%) exact matches, in which:
5900 unique CDR3
13 unique J



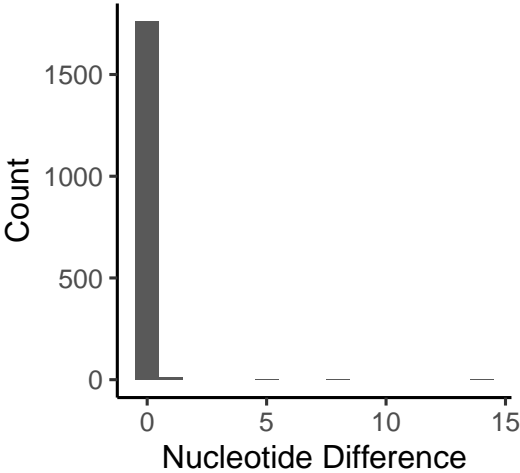
TRBV5-5*ap01

1811 sequences assigned
1802 (99.5%) exact matches, in which:
1787 unique CDR3
13 unique J



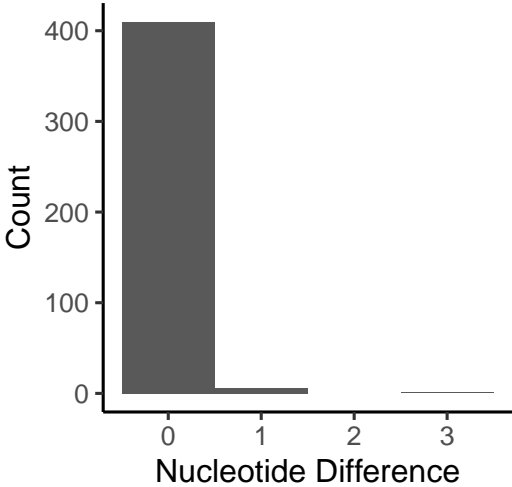
TRBV5-8*ap01

1778 sequences assigned
1761 (99%) exact matches, in which:
1727 unique CDR3
13 unique J



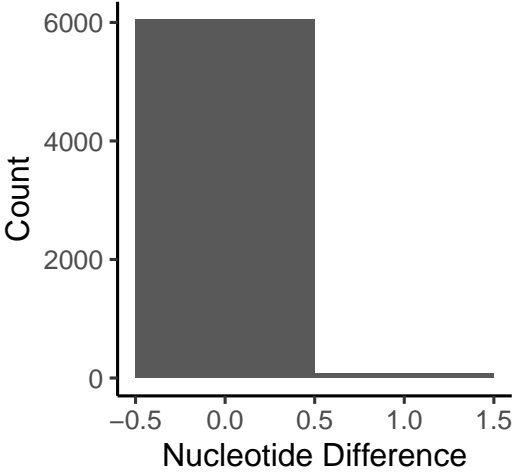
TRBV6-7*ap01

417 sequences assigned
410 (98.3%) exact matches, in which:
400 unique CDR3
13 unique J



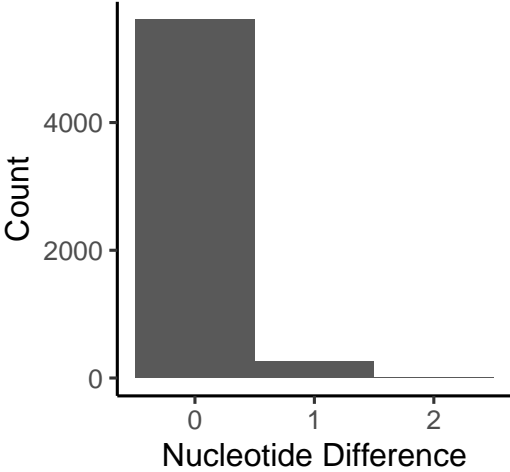
TRBV5-6*ap01

6119 sequences assigned
6046 (98.8%) exact matches, in which:
5797 unique CDR3
13 unique J



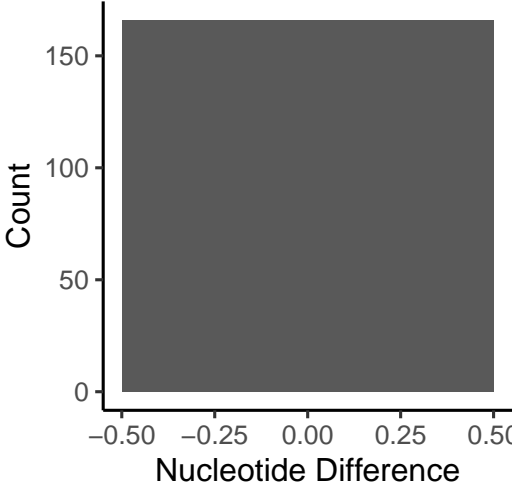
TRBV6-1*ap01

5863 sequences assigned
5610 (95.7%) exact matches, in which:
5449 unique CDR3
13 unique J



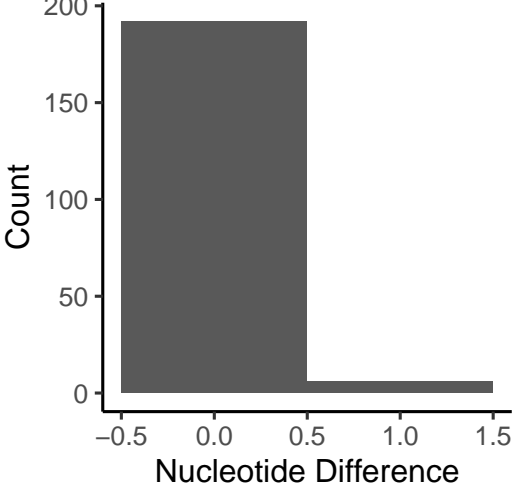
TRBV6-8*ap01

166 sequences assigned
166 (100%) exact matches, in which:
161 unique CDR3
13 unique J



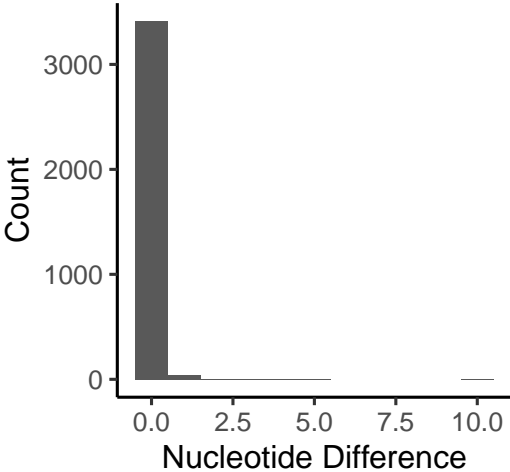
TRBV5-7*ap01

198 sequences assigned
192 (97%) exact matches, in which:
180 unique CDR3
13 unique J



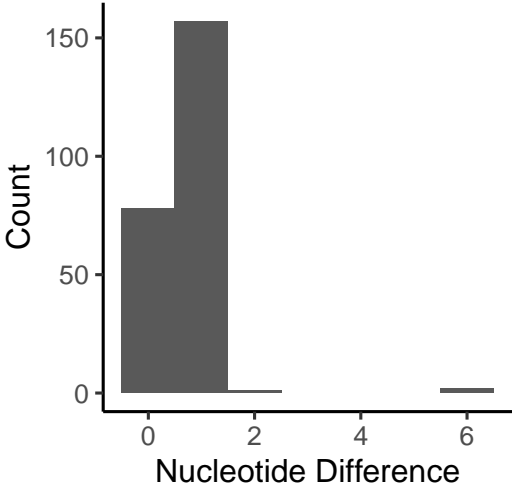
TRBV6-4*ap01

3465 sequences assigned
3413 (98.5%) exact matches, in which:
3376 unique CDR3
13 unique J



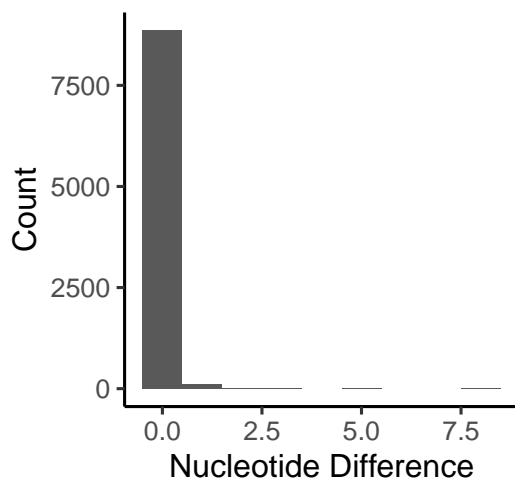
TRBV6-9*ap01

238 sequences assigned
78 (32.8%) exact matches, in which:
71 unique CDR3
12 unique J



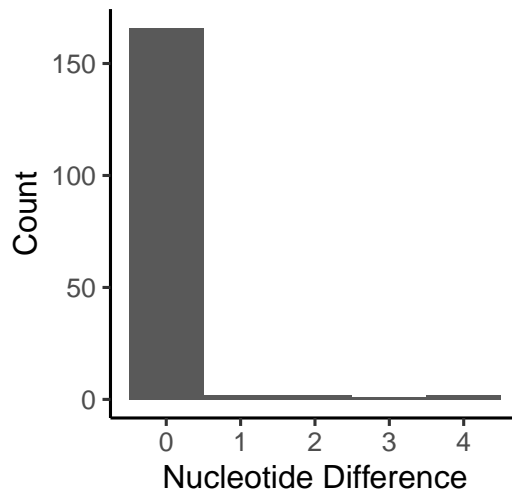
TRBV6-23*ap01

8976 sequences assigned
8859 (98.7%) exact matches, in which:
8539 unique CDR3
13 unique J



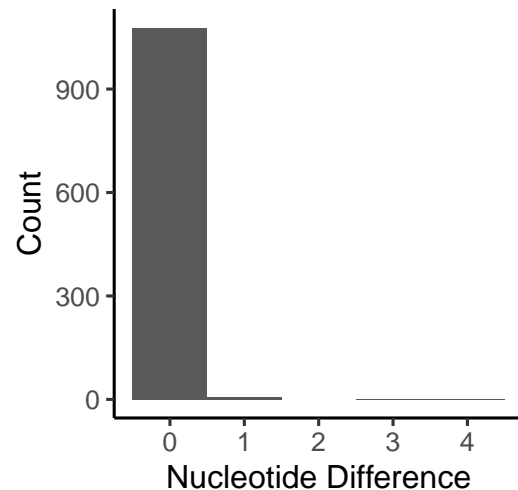
TRBV7-1*ap01_G291C_

173 sequences assigned
166 (96%) exact matches, in which:
163 unique CDR3
11 unique J



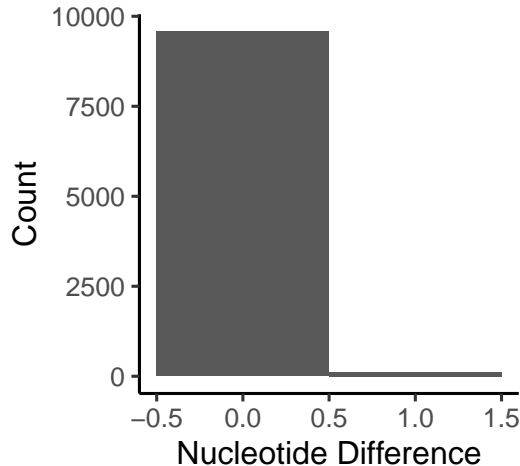
TRBV7-3*ap02

1089 sequences assigned
1078 (99%) exact matches, in which:
1061 unique CDR3
13 unique J



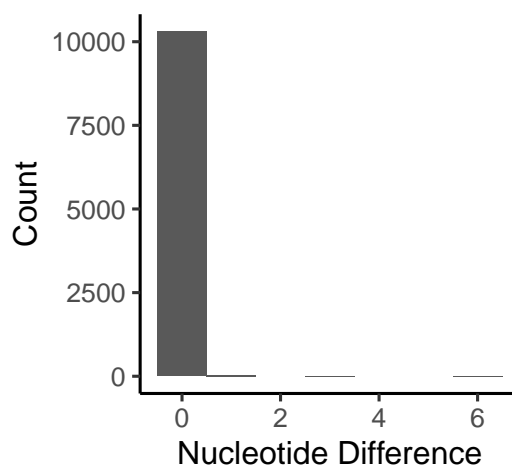
TRBV6-56*ap01

9700 sequences assigned
9578 (98.7%) exact matches, in which:
9244 unique CDR3
13 unique J



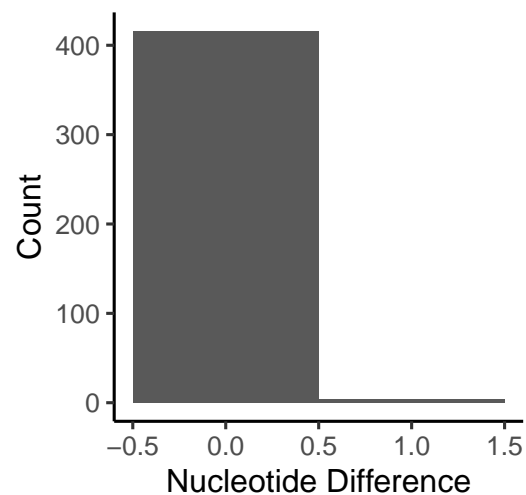
TRBV7-2*ap01

10350 sequences assigned
10306 (99.6%) exact matches, in which:
10128 unique CDR3
13 unique J



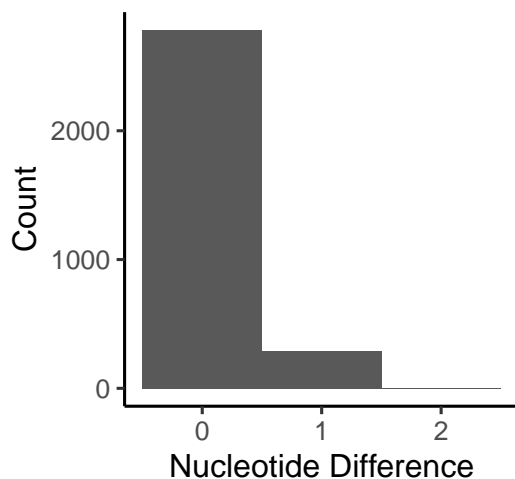
TRBV7-4*ap01

420 sequences assigned
416 (99%) exact matches, in which:
407 unique CDR3
13 unique J



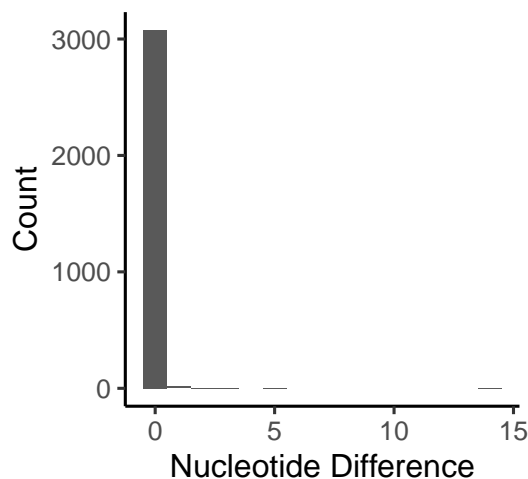
TRBV6-56*ap02

3073 sequences assigned
2782 (90.5%) exact matches, in which:
2686 unique CDR3
13 unique J



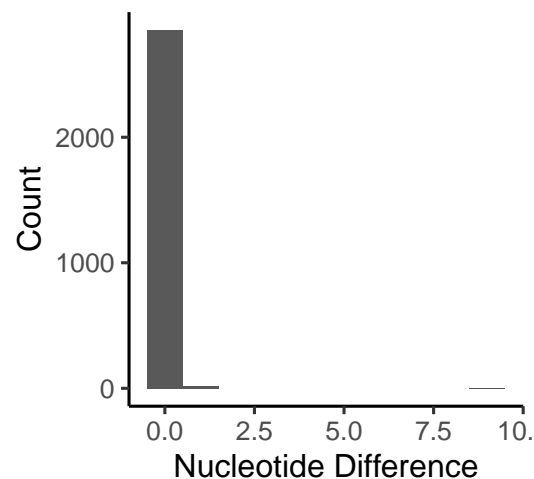
TRBV7-3*ap01

3097 sequences assigned
3077 (99.4%) exact matches, in which:
3046 unique CDR3
13 unique J



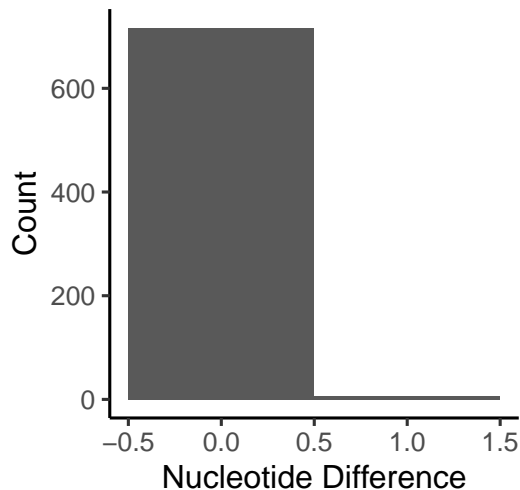
TRBV7-6*ap01

2875 sequences assigned
2854 (99.3%) exact matches, in which:
2801 unique CDR3
13 unique J



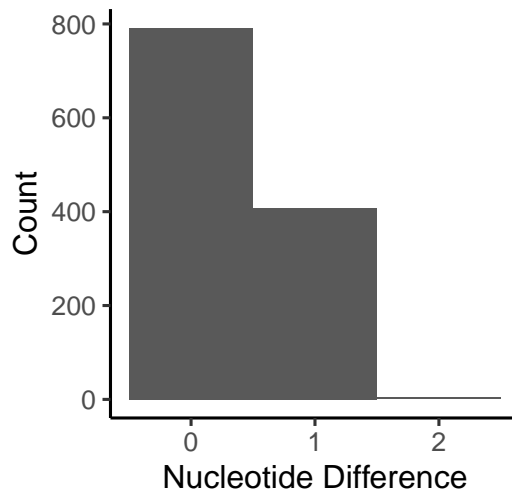
TRBV7-7*ap01

724 sequences assigned
717 (99%) exact matches, in which:
701 unique CDR3
13 unique J



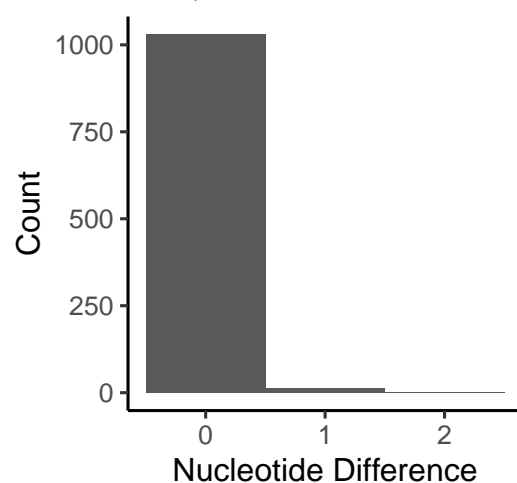
TRBV7-8*ap03

1203 sequences assigned
792 (65.8%) exact matches, in which:
775 unique CDR3
13 unique J



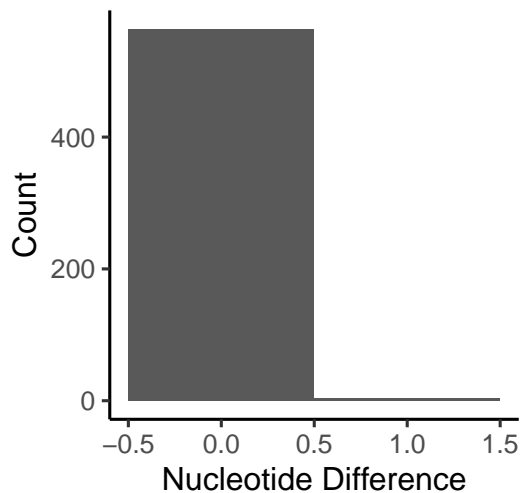
TRBV29-1*ap02

1045 sequences assigned
1030 (98.6%) exact matches, in which:
987 unique CDR3
13 unique J



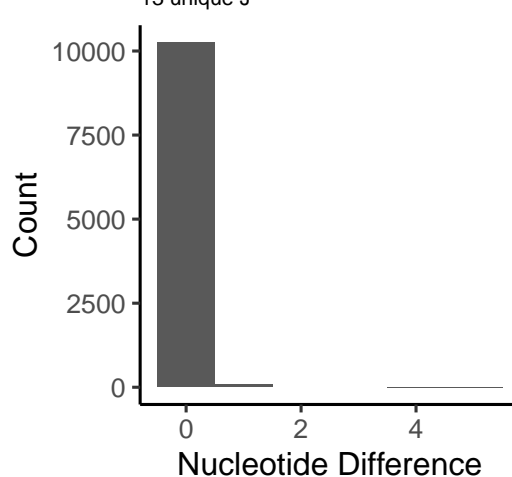
TRBV7-7*ap01_C315T

568 sequences assigned
564 (99.3%) exact matches, in which:
545 unique CDR3
13 unique J



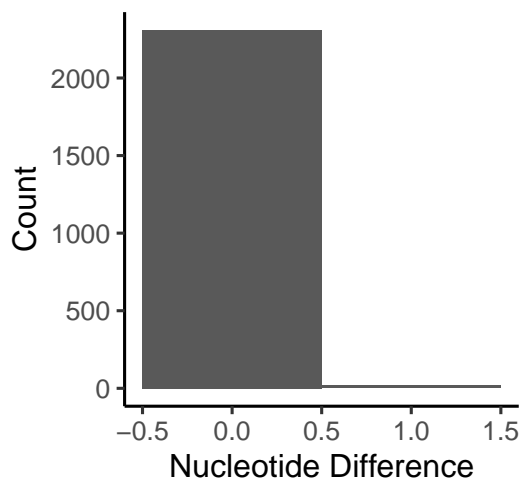
TRBV7-9*ap01

10344 sequences assigned
10254 (99.1%) exact matches, in which:
10044 unique CDR3
13 unique J



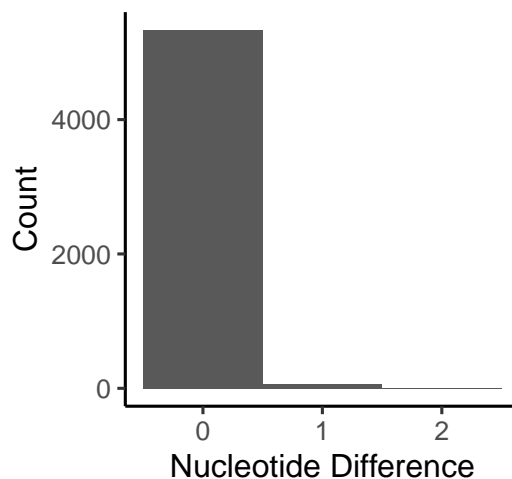
TRBV7-8*ap01

2327 sequences assigned
2309 (99.2%) exact matches, in which:
2252 unique CDR3
13 unique J

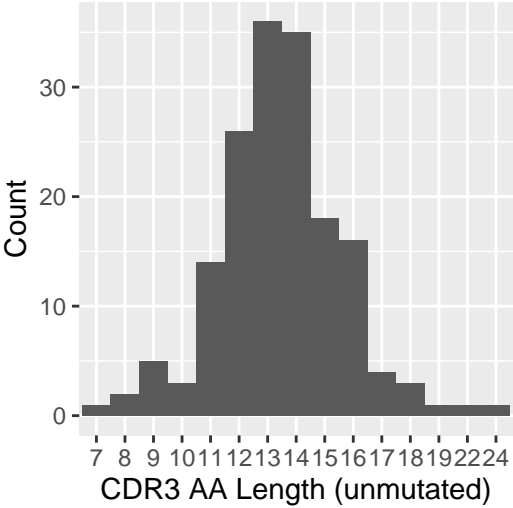


TRBV29-1*ap01

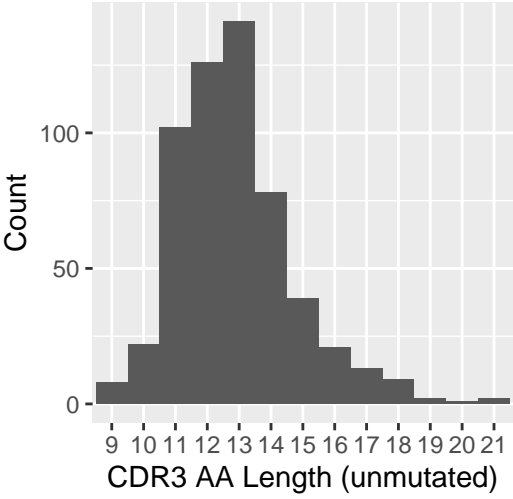
5402 sequences assigned
5333 (98.7%) exact matches, in which:
5092 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]