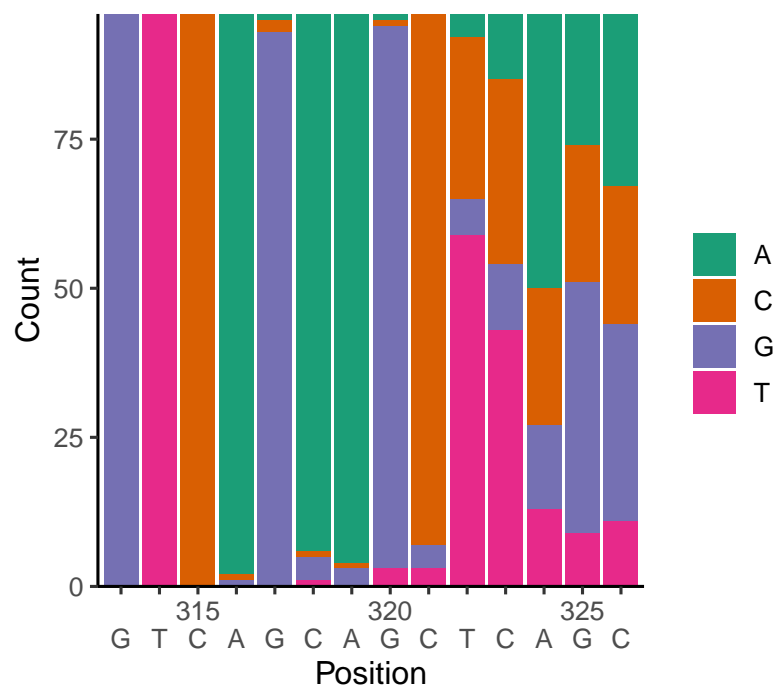
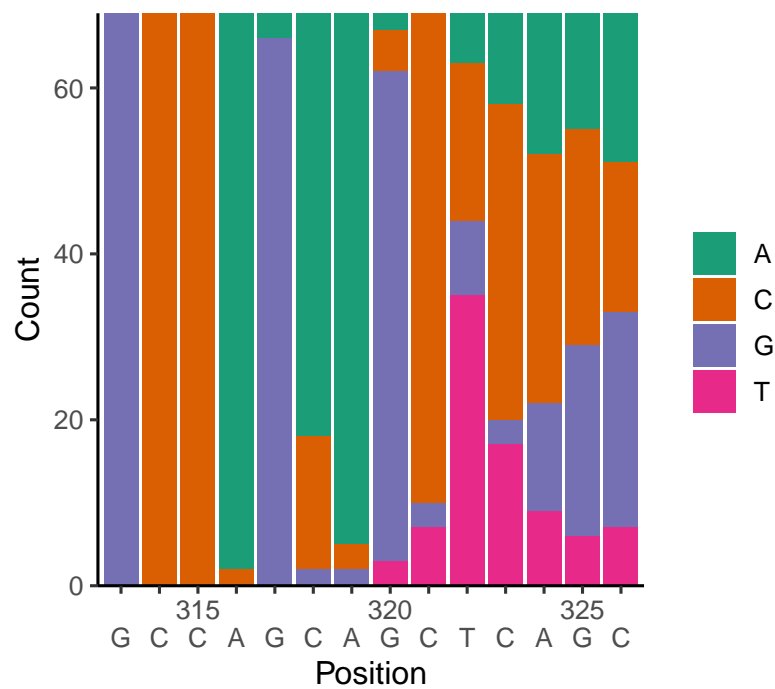


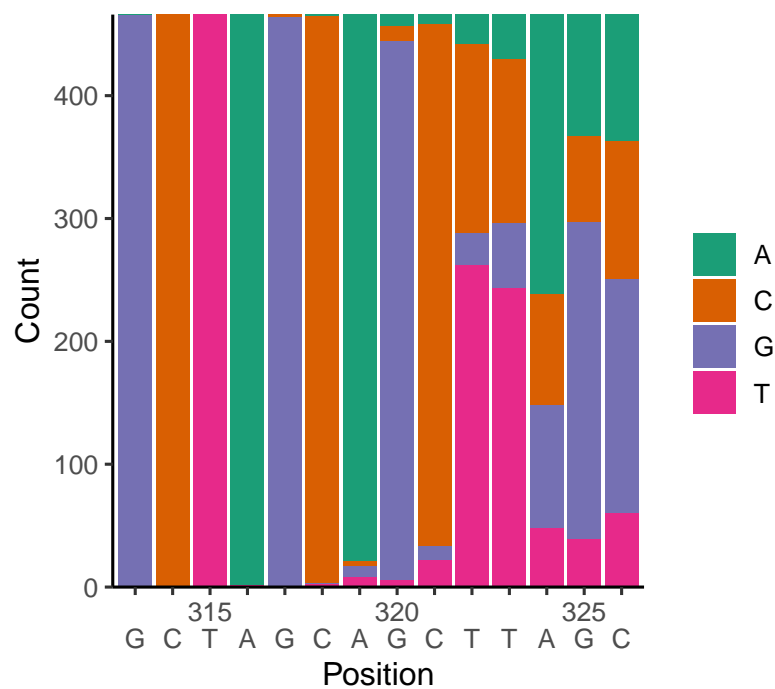
Gene TRBV7-1*ap01_T296C_C314T



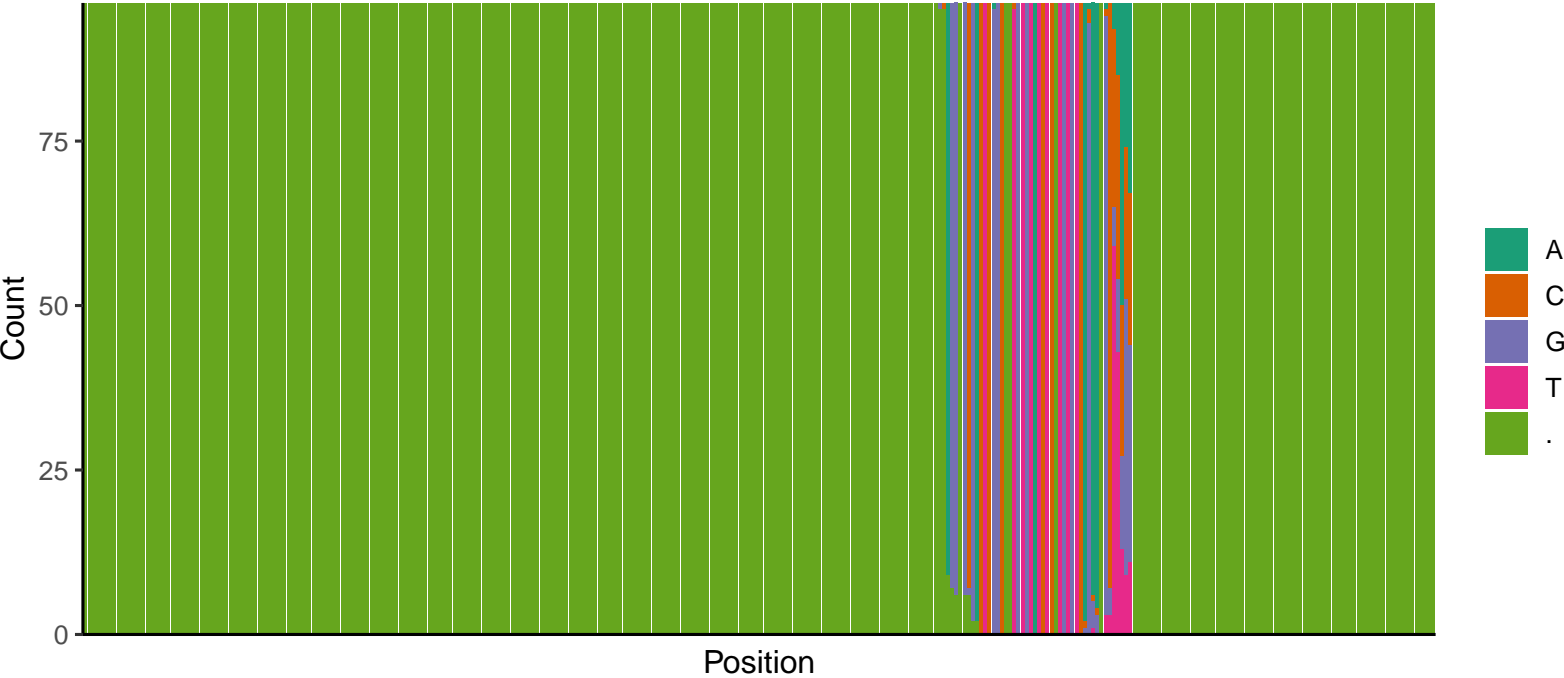
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



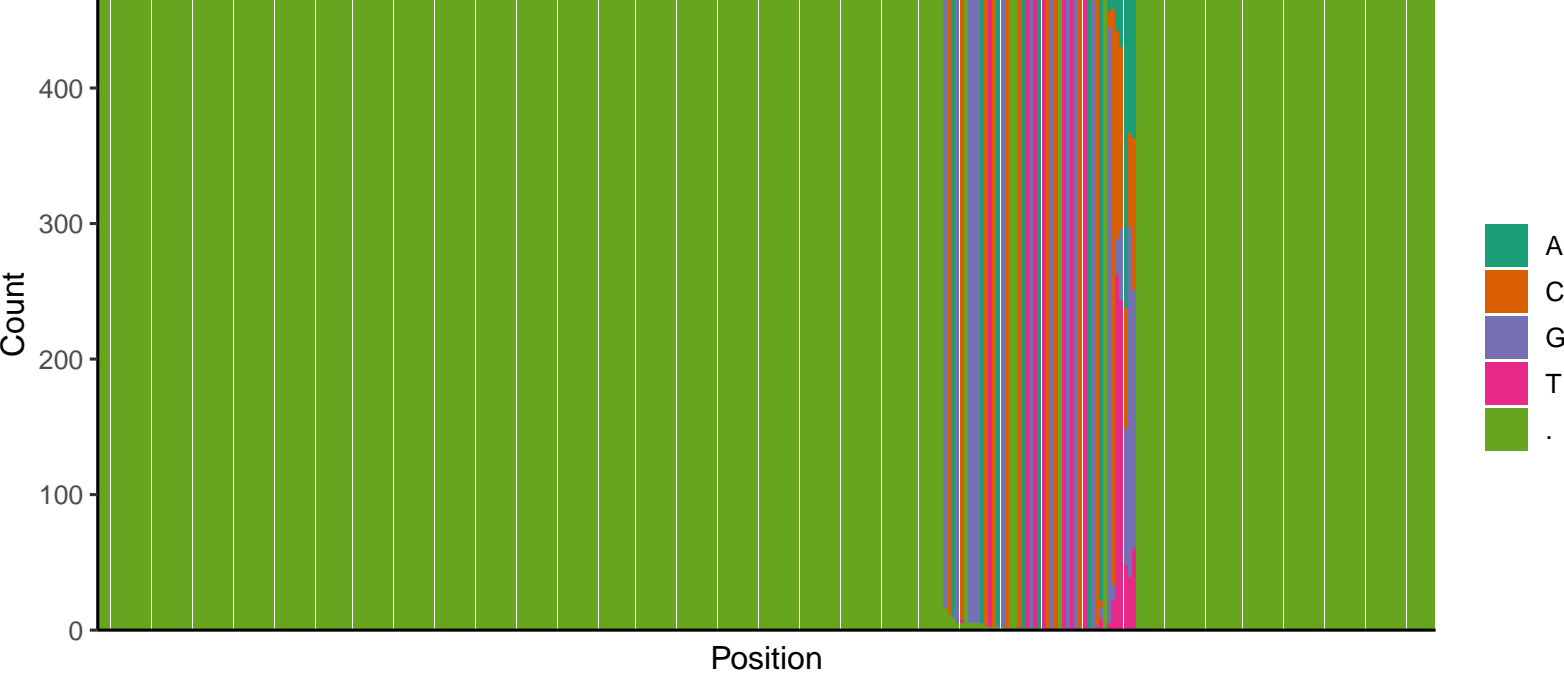
Gene TRBV7-1*ap01_T296C_C314T



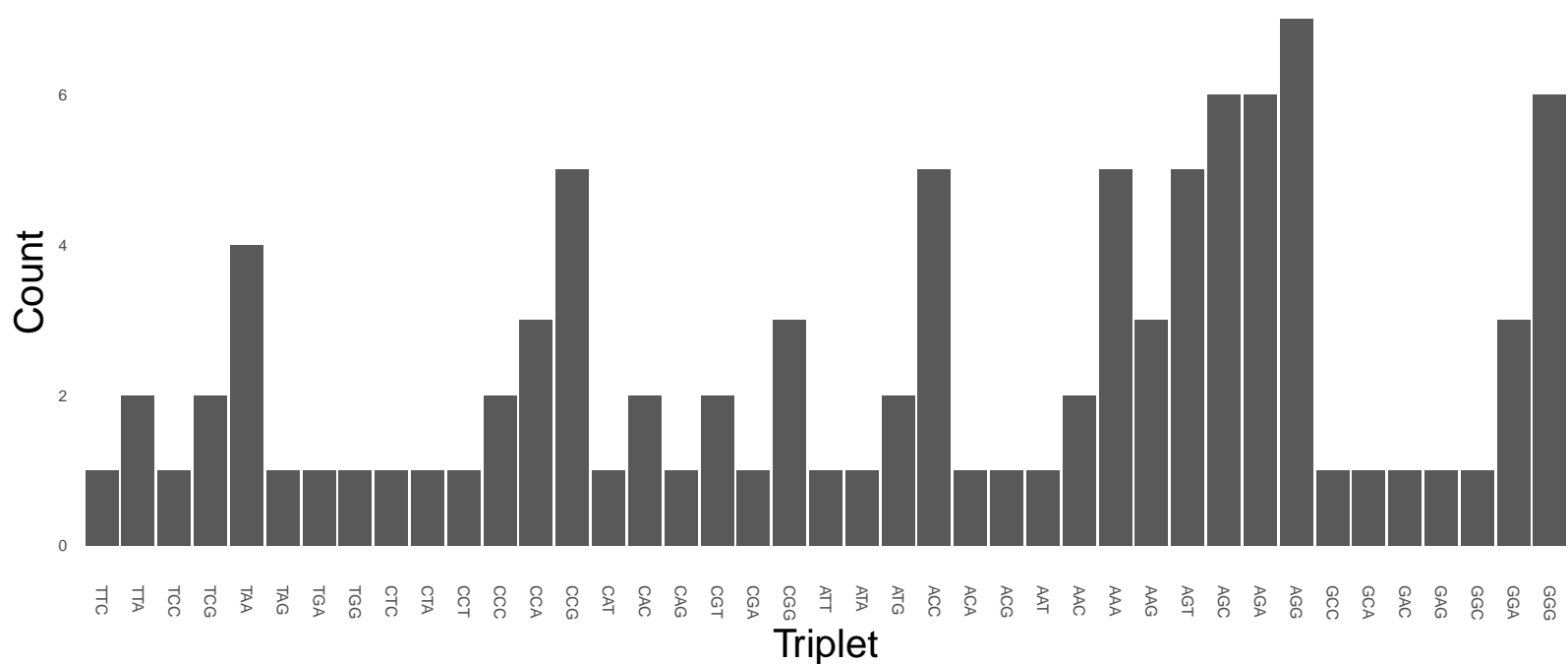
Gene TRBV7-1*ap01_T296C



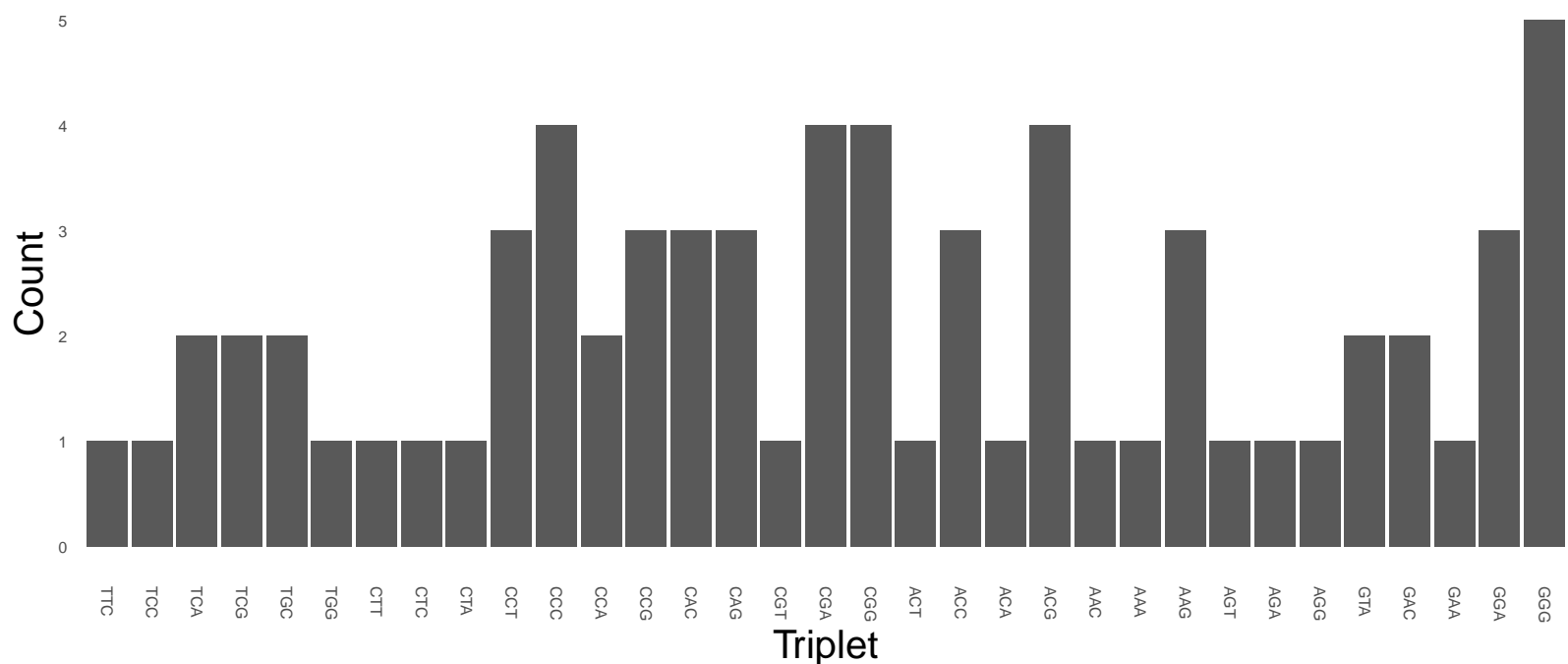
Gene TRBV7-7*ap01_C315T



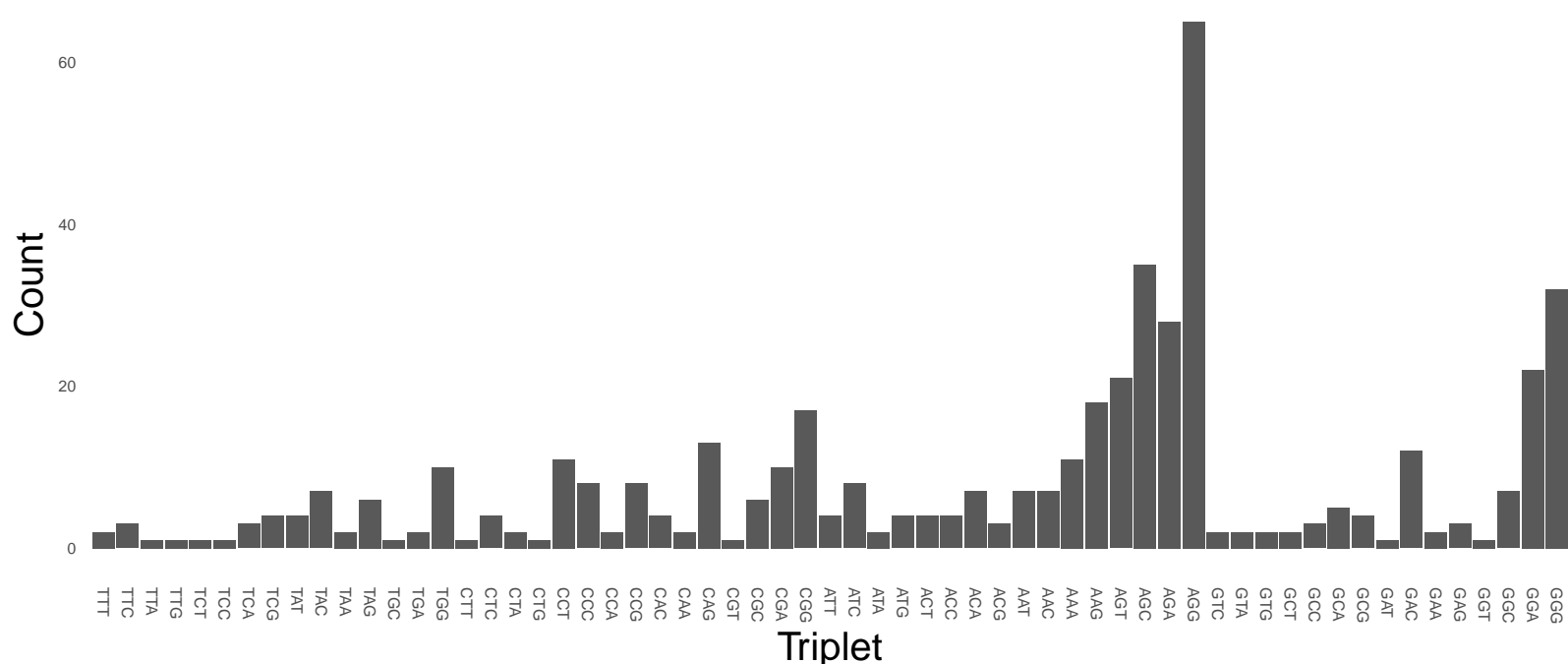
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

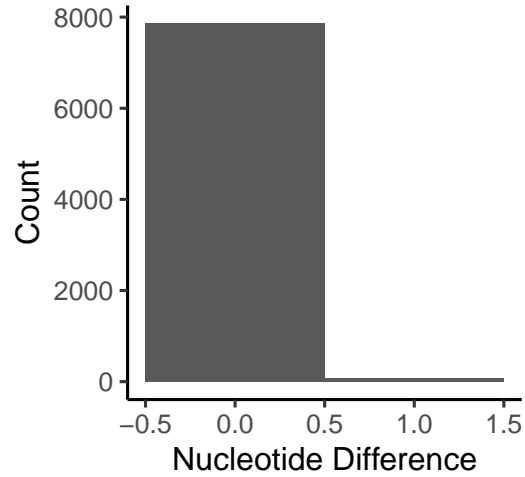


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



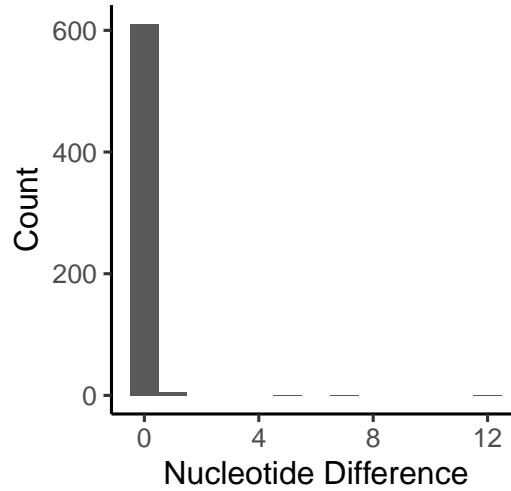
TRBV20-1*ap01

7947 sequences assigned
7862 (98.9%) exact matches, in which:
7708 unique CDR3
13 unique J



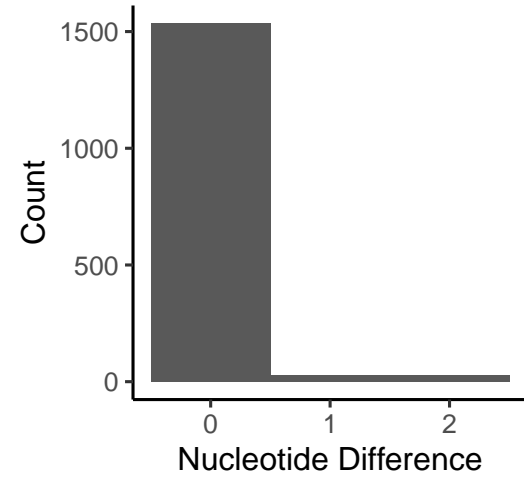
TRBV10-2*ap01

620 sequences assigned
611 (98.5%) exact matches, in which:
596 unique CDR3
13 unique J



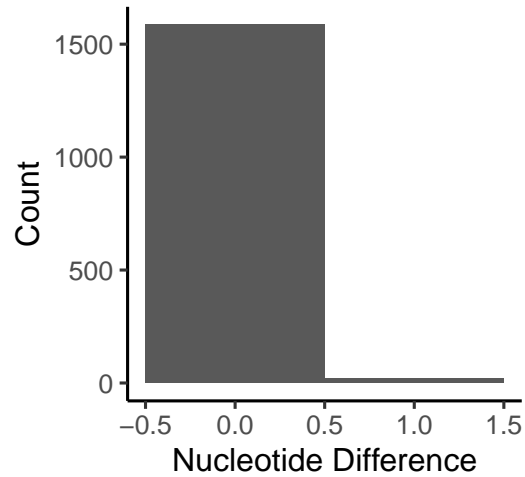
TRBV13*ap01

1592 sequences assigned
1535 (96.4%) exact matches, in which:
1499 unique CDR3
13 unique J



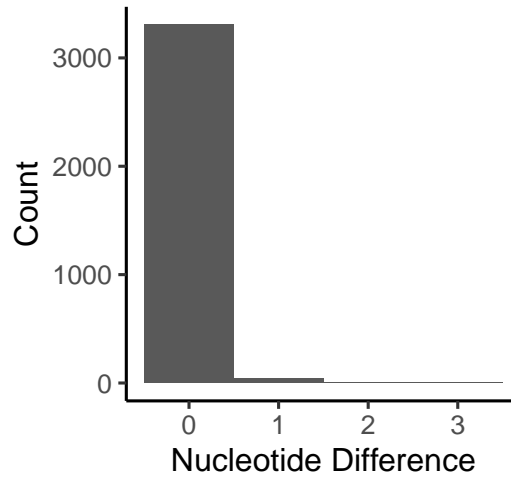
TRBV10-1*ap01

1604 sequences assigned
1586 (98.9%) exact matches, in which:
1554 unique CDR3
13 unique J



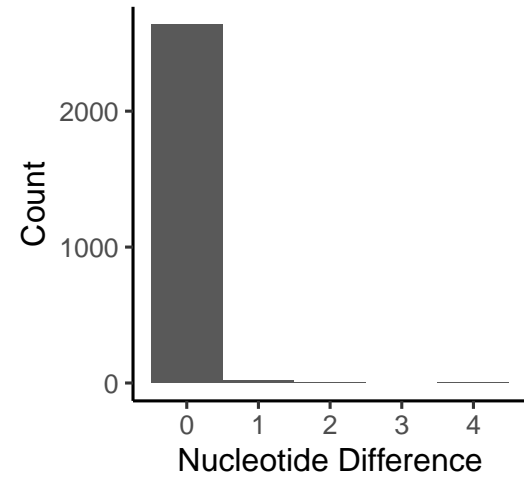
TRBV10-3*ap01

3352 sequences assigned
3306 (98.6%) exact matches, in which:
3241 unique CDR3
13 unique J



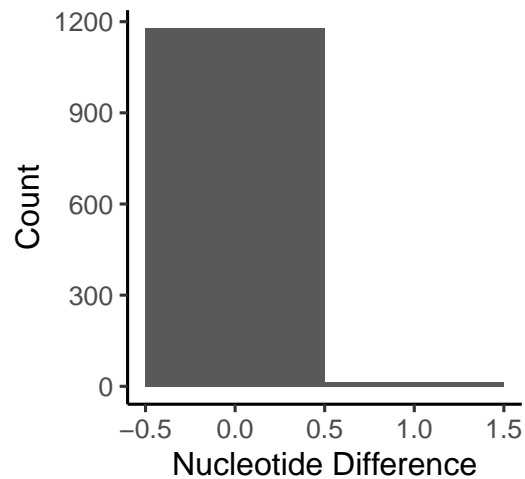
TRBV14*ap01

2659 sequences assigned
2636 (99.1%) exact matches, in which:
2583 unique CDR3
13 unique J



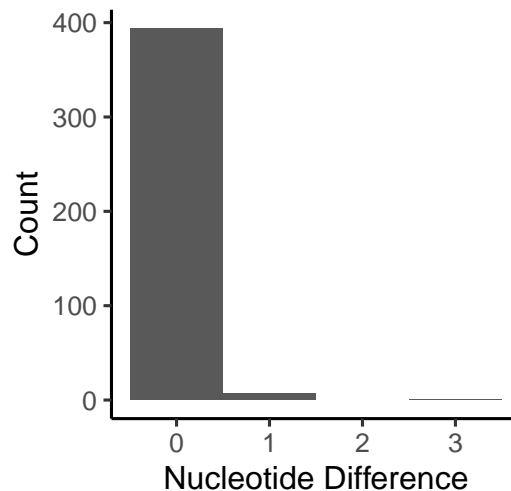
TRBV20-1*ap02

1194 sequences assigned
1179 (98.7%) exact matches, in which:
1152 unique CDR3
13 unique J



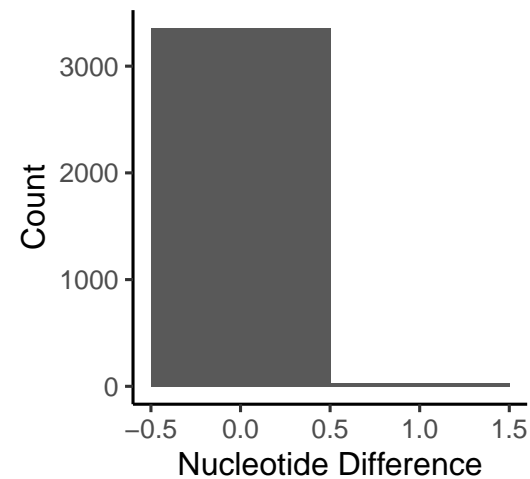
TRBV1*ap01

402 sequences assigned
394 (98%) exact matches, in which:
389 unique CDR3
13 unique J



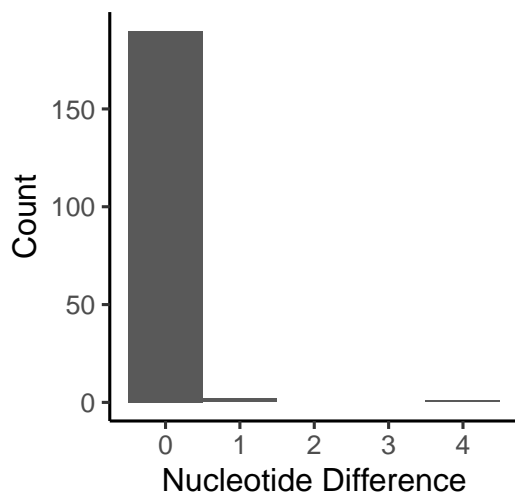
TRBV15*ap02

3390 sequences assigned
3357 (99%) exact matches, in which:
3278 unique CDR3
13 unique J



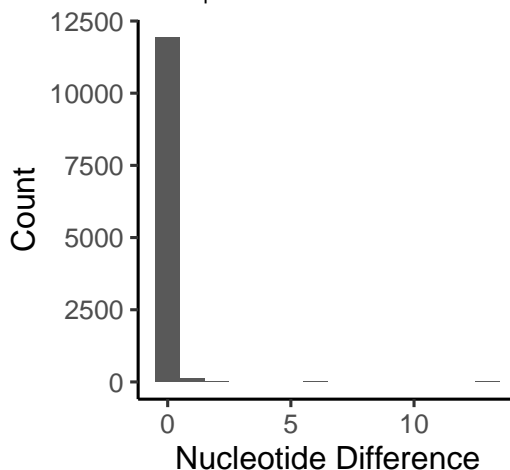
TRBV16*ap01

193 sequences assigned
190 (98.4%) exact matches, in which:
188 unique CDR3
12 unique J



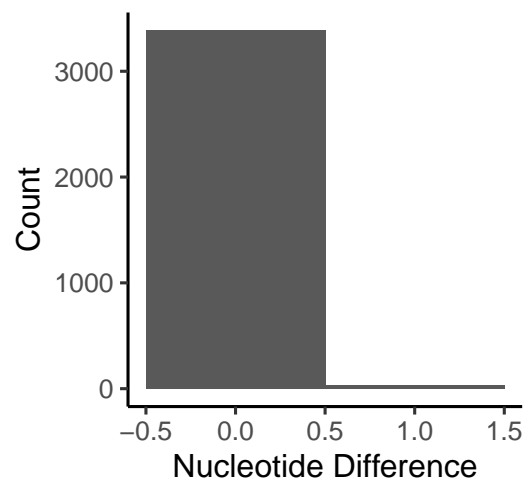
TRBV19*ap01

12069 sequences assigned
11941 (98.9%) exact matches, in which:
11802 unique CDR3
13 unique J



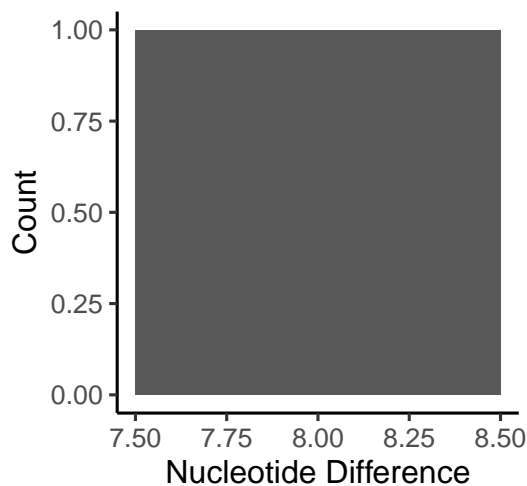
TRBV28*ap01

3416 sequences assigned
3386 (99.1%) exact matches, in which:
3311 unique CDR3
13 unique J



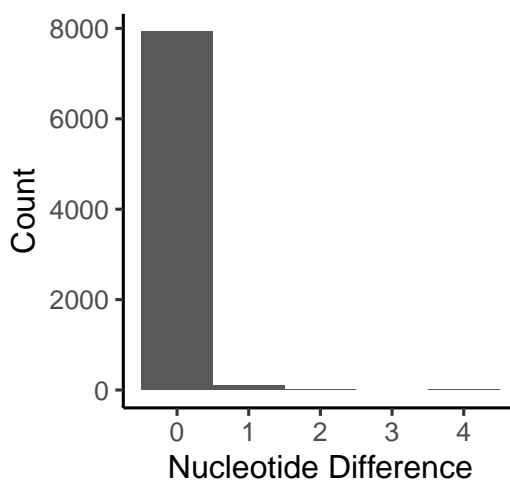
TRBV17*ap01

1 sequences assigned
No exact matches.



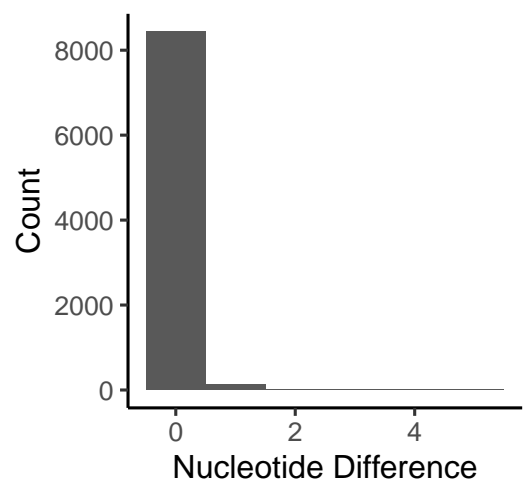
TRBV2*ap01

8029 sequences assigned
7926 (98.7%) exact matches, in which:
7760 unique CDR3
13 unique J



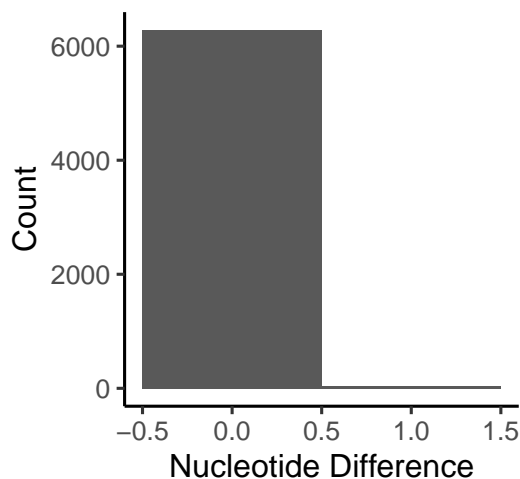
TRBV30*ap01

8576 sequences assigned
8435 (98.4%) exact matches, in which:
8324 unique CDR3
13 unique J



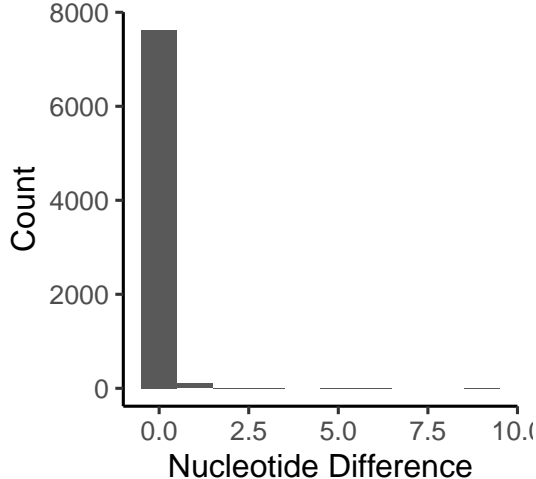
TRBV18*ap01

6321 sequences assigned
6283 (99.4%) exact matches, in which:
6198 unique CDR3
13 unique J



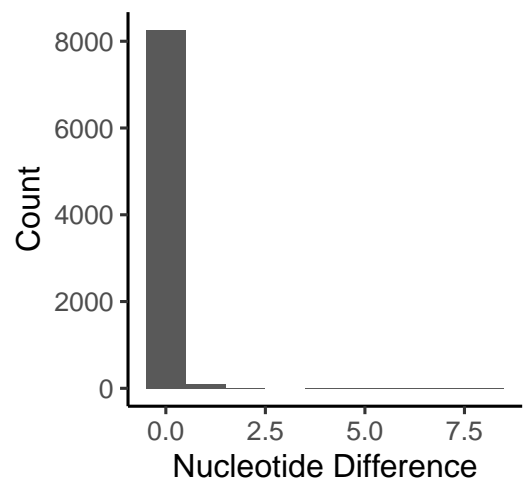
TRBV27*ap01

7734 sequences assigned
7622 (98.6%) exact matches, in which:
7469 unique CDR3
13 unique J



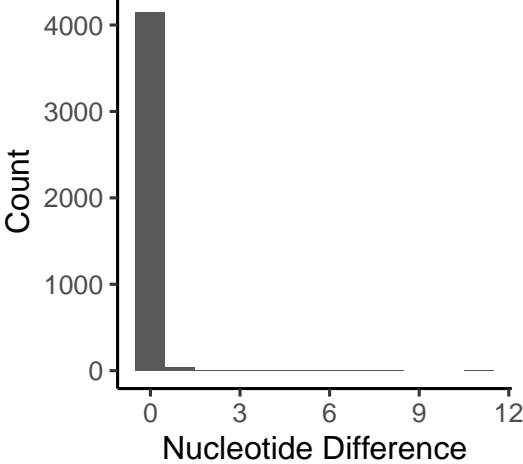
TRBV9*ap01

8364 sequences assigned
8258 (98.7%) exact matches, in which:
8098 unique CDR3
13 unique J



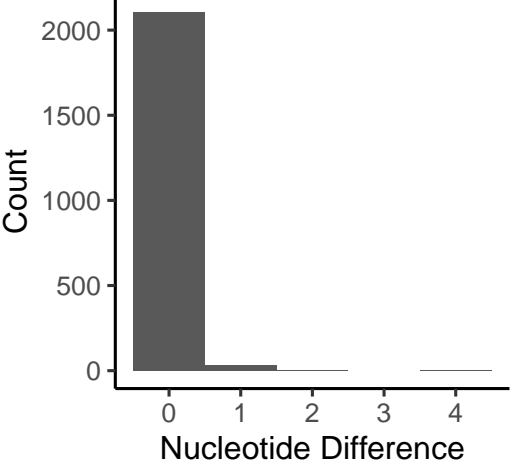
TRBV21-1*ap01

4208 sequences assigned
4146 (98.5%) exact matches, in which:
4081 unique CDR3
13 unique J



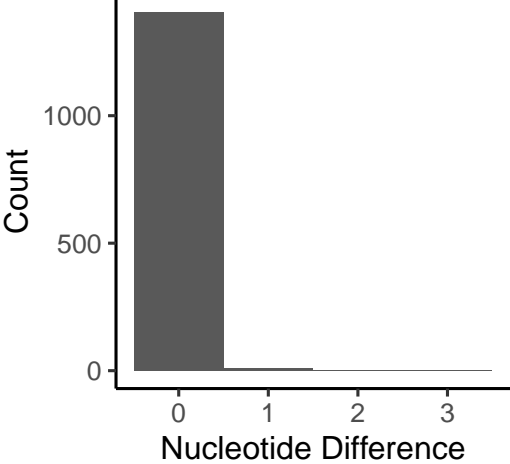
TRBV11-3*ap01

2137 sequences assigned
2104 (98.5%) exact matches, in which:
2058 unique CDR3
13 unique J



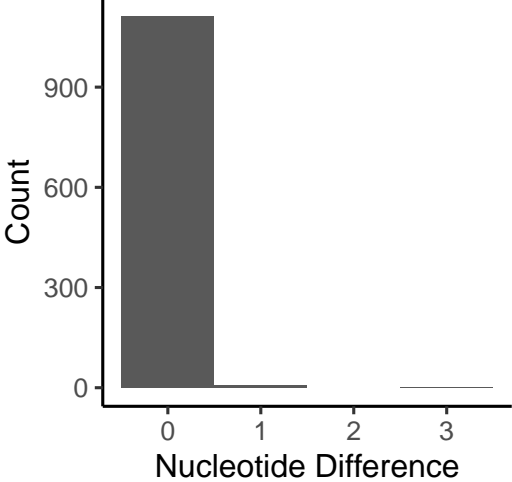
TRBV12-5*ap01

1417 sequences assigned
1405 (99.2%) exact matches, in which:
1373 unique CDR3
13 unique J



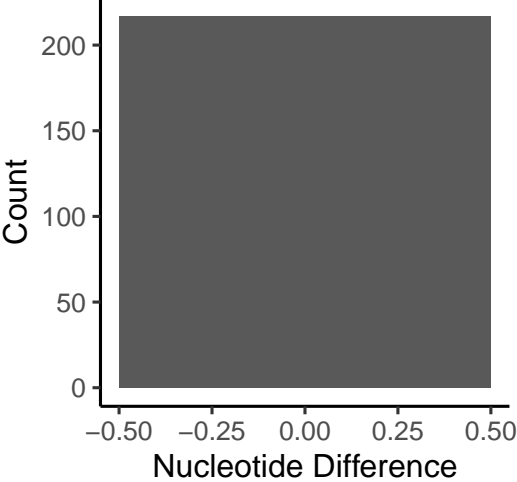
TRBV11-1*ap01

1122 sequences assigned
1113 (99.2%) exact matches, in which:
1090 unique CDR3
13 unique J



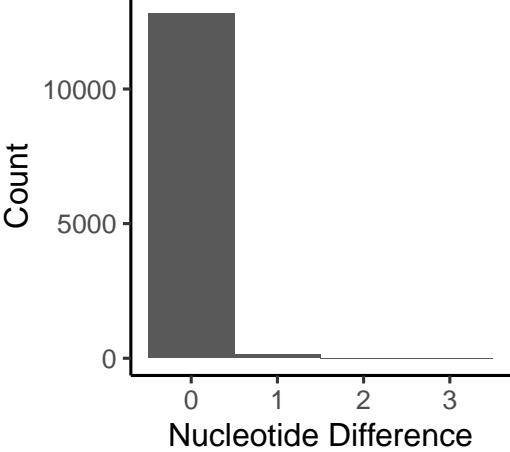
TRBV12-1*ap01

217 sequences assigned
217 (100%) exact matches, in which:
213 unique CDR3
13 unique J



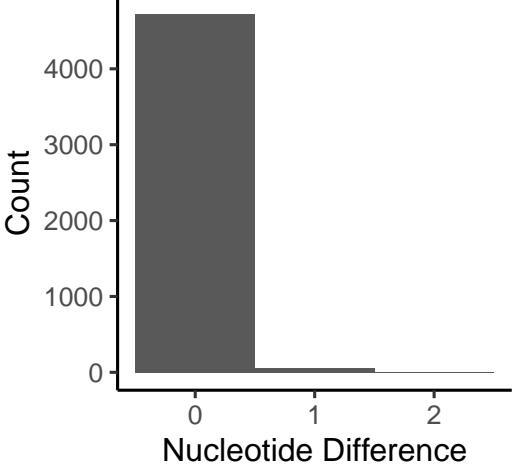
TRBV12-34*ap01

12957 sequences assigned
12805 (98.8%) exact matches, in which:
12534 unique CDR3
13 unique J



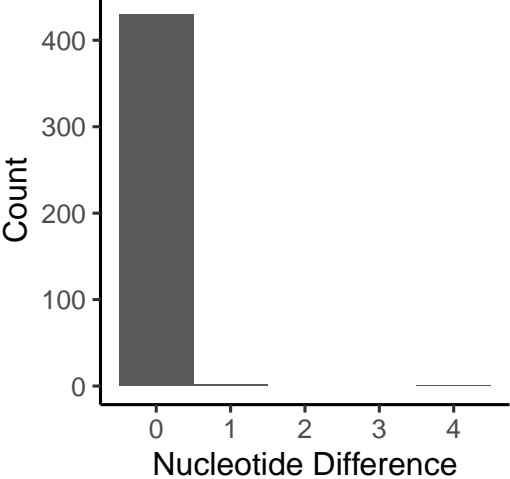
TRBV11-2*ap01

4777 sequences assigned
4722 (98.8%) exact matches, in which:
4610 unique CDR3
13 unique J



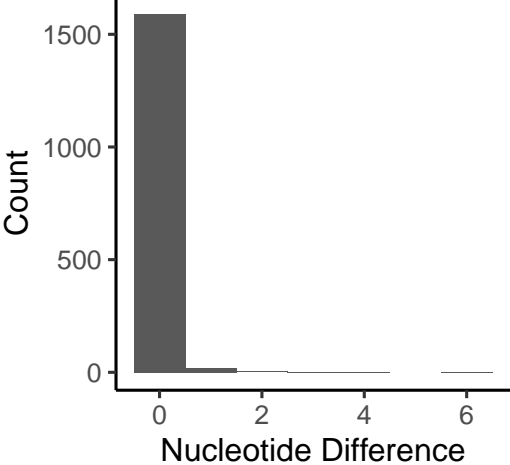
TRBV12-2*ap01

433 sequences assigned
430 (99.3%) exact matches, in which:
420 unique CDR3
13 unique J



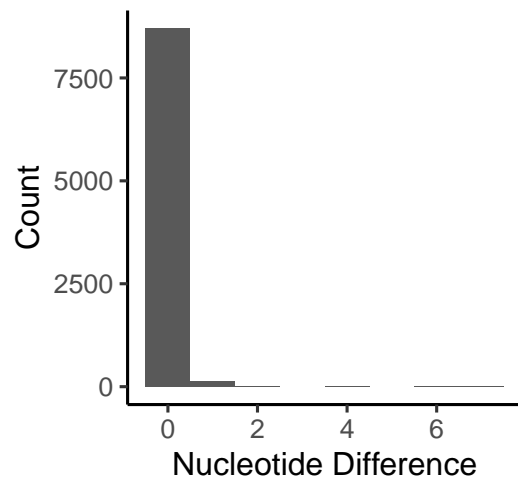
TRBV23-1*ap01

1615 sequences assigned
1590 (98.5%) exact matches, in which:
1554 unique CDR3
13 unique J



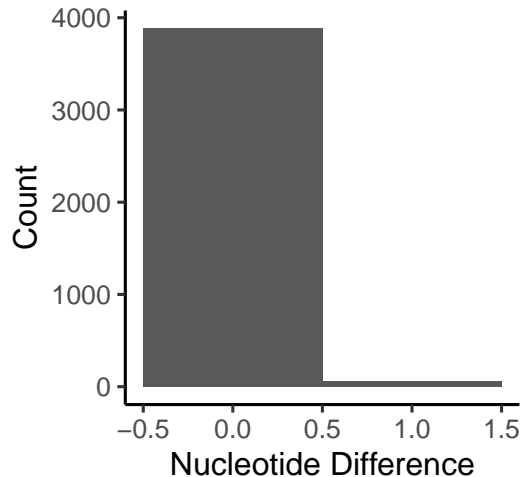
TRBV3-12*ap01

8845 sequences assigned
8703 (98.4%) exact matches, in which:
8503 unique CDR3
13 unique J



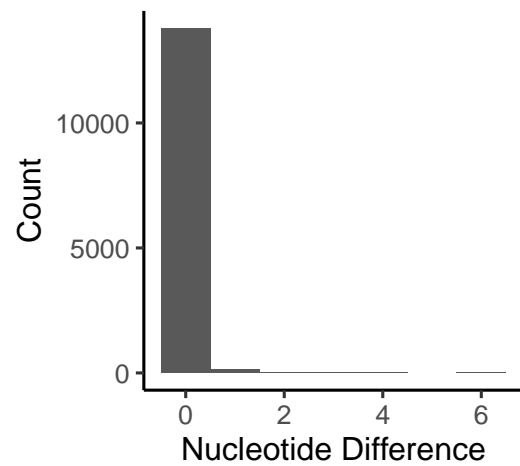
TRBV4-2*ap01

3940 sequences assigned
3884 (98.6%) exact matches, in which:
3815 unique CDR3
13 unique J



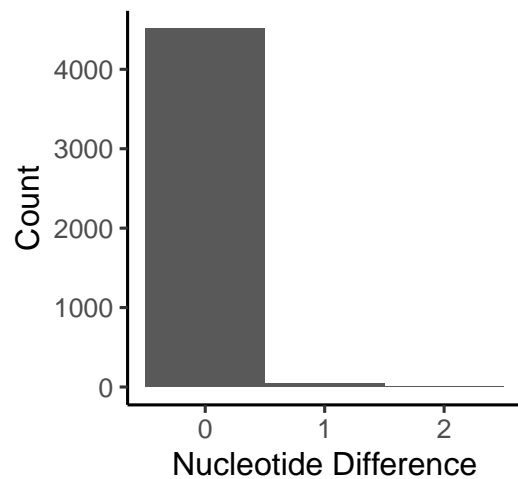
TRBV5-1*ap01

13939 sequences assigned
13792 (98.9%) exact matches, in which:
13444 unique CDR3
13 unique J



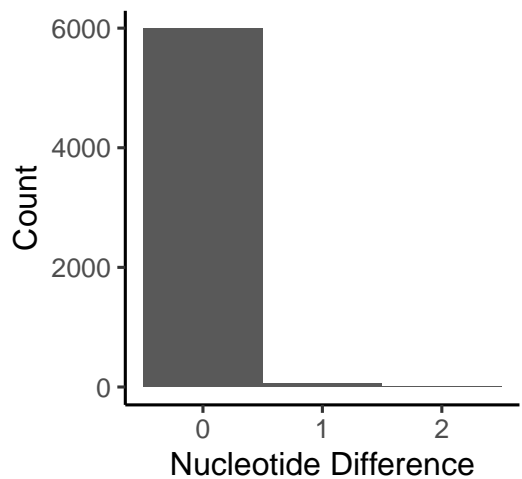
TRBV4-1*ap01

4556 sequences assigned
4511 (99%) exact matches, in which:
4394 unique CDR3
13 unique J



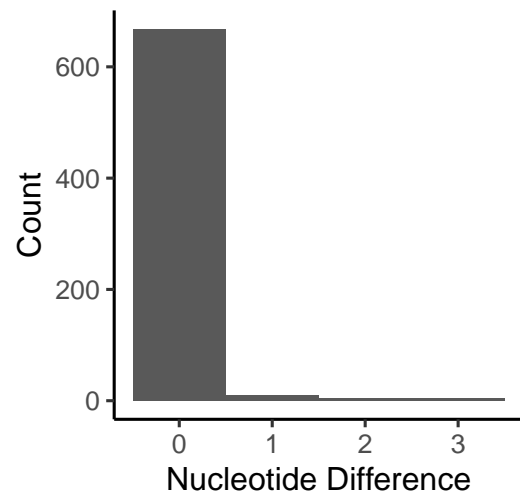
TRBV4-3*ap01

6058 sequences assigned
5990 (98.9%) exact matches, in which:
5842 unique CDR3
13 unique J



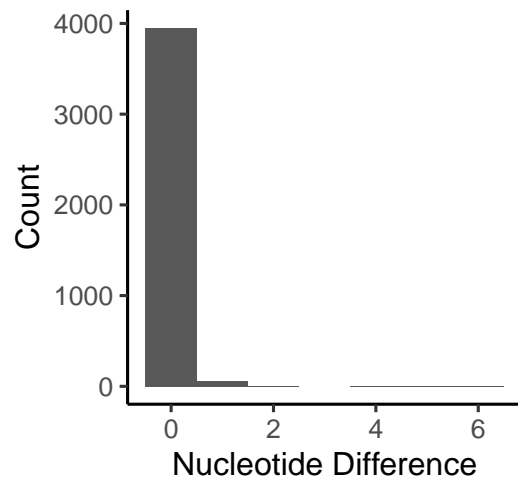
TRBV5-3*ap01

686 sequences assigned
668 (97.4%) exact matches, in which:
655 unique CDR3
13 unique J



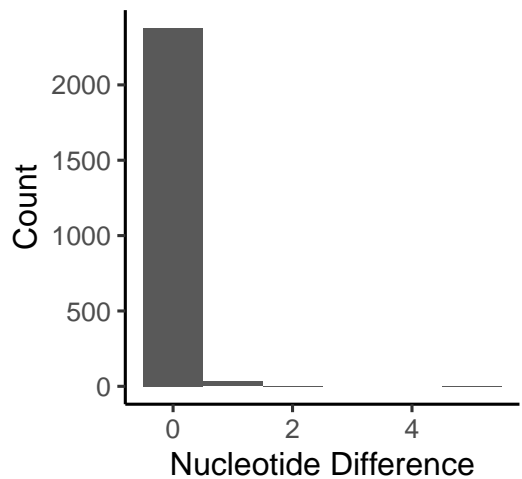
TRBV24-1*ap01

4016 sequences assigned
3949 (98.3%) exact matches, in which:
3872 unique CDR3
13 unique J



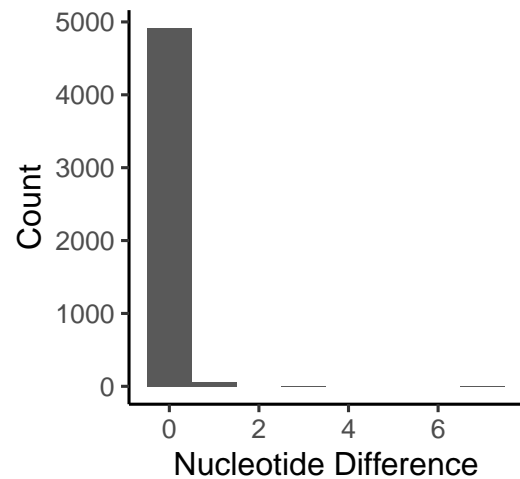
TRBV25-1*ap01

2412 sequences assigned
2377 (98.5%) exact matches, in which:
2337 unique CDR3
14 unique J



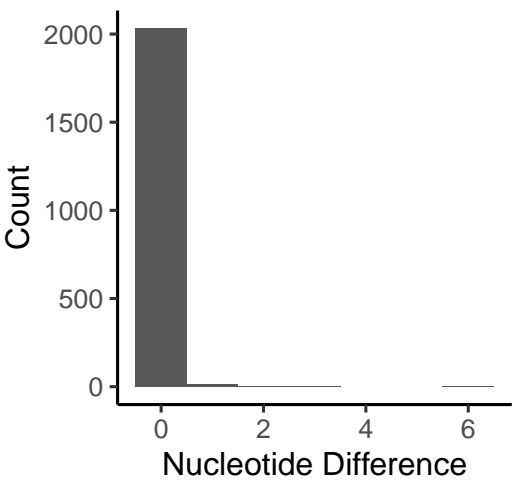
TRBV5-4*ap01

4979 sequences assigned
4916 (98.7%) exact matches, in which:
4799 unique CDR3
13 unique J



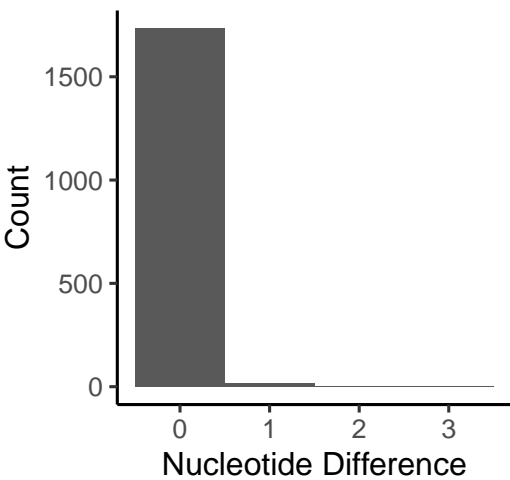
TRBV5-5*ap01

2052 sequences assigned
2032 (99%) exact matches, in which:
2008 unique CDR3
13 unique J



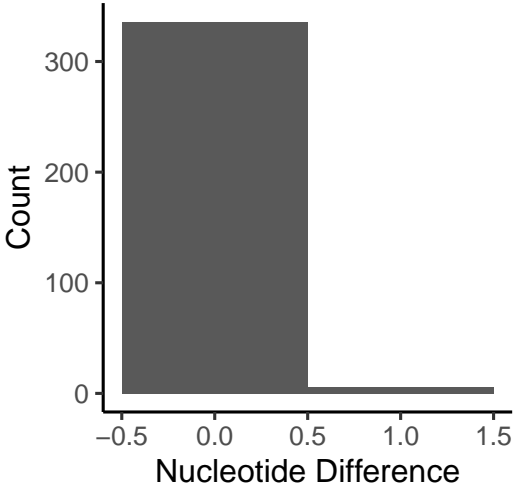
TRBV5-8*ap01

1756 sequences assigned
1734 (98.7%) exact matches, in which:
1712 unique CDR3
13 unique J



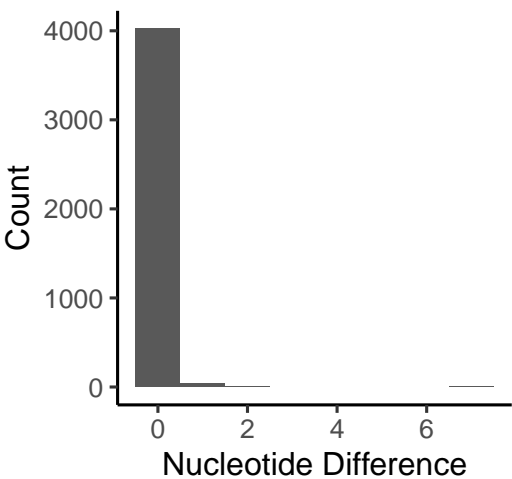
TRBV6-7*ap01

342 sequences assigned
336 (98.2%) exact matches, in which:
328 unique CDR3
13 unique J



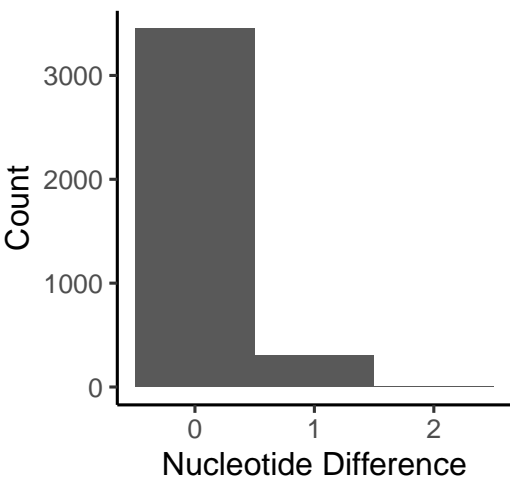
TRBV5-6*ap01

4066 sequences assigned
4023 (98.9%) exact matches, in which:
3915 unique CDR3
13 unique J



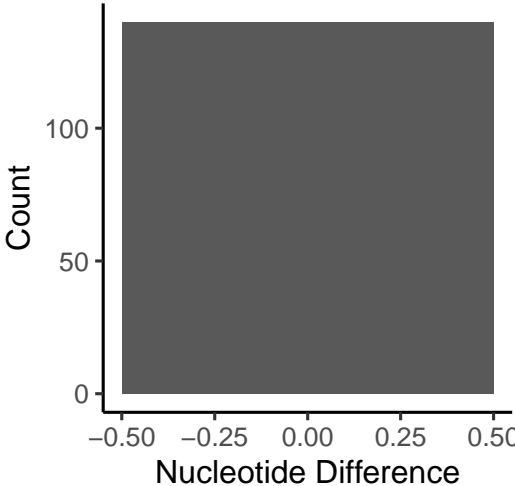
TRBV6-1*ap01

3759 sequences assigned
3450 (91.8%) exact matches, in which:
3383 unique CDR3
13 unique J



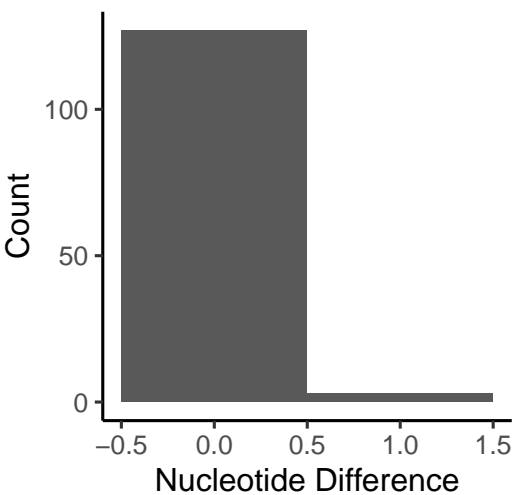
TRBV6-8*ap01

140 sequences assigned
140 (100%) exact matches, in which:
136 unique CDR3
12 unique J



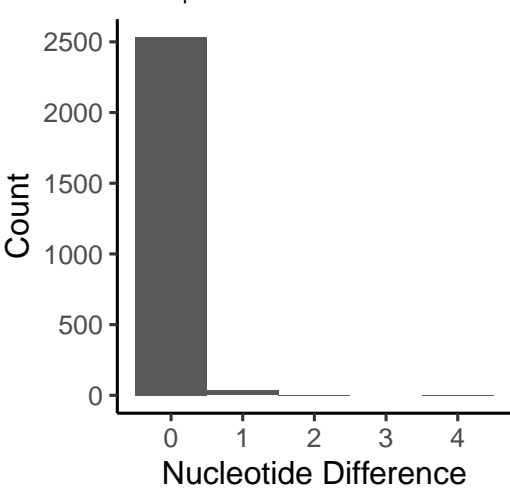
TRBV5-7*ap01

130 sequences assigned
127 (97.7%) exact matches, in which:
126 unique CDR3
13 unique J



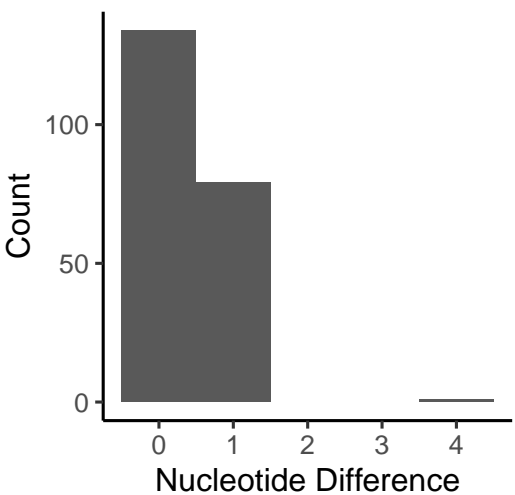
TRBV6-4*ap01

2572 sequences assigned
2534 (98.5%) exact matches, in which:
2491 unique CDR3
14 unique J



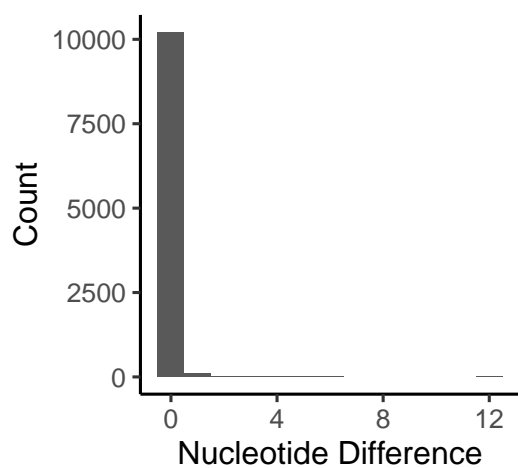
TRBV6-9*ap01

214 sequences assigned
134 (62.6%) exact matches, in which:
131 unique CDR3
13 unique J



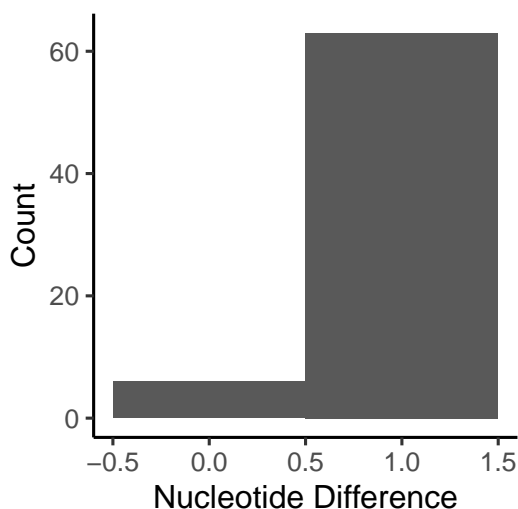
TRBV6-23*ap01

10333 sequences assigned
10213 (98.8%) exact matches, in which:
9975 unique CDR3
13 unique J



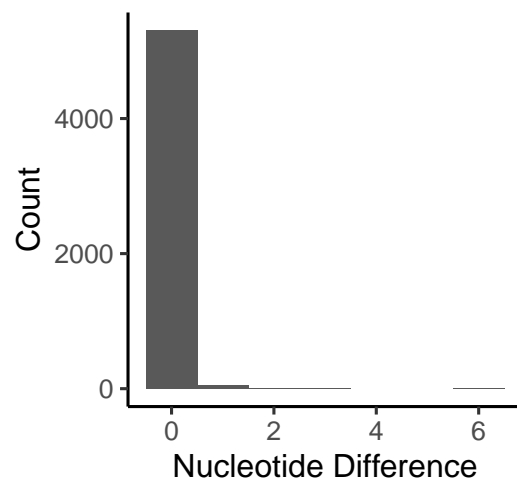
TRBV7-1*ap01_T296C

69 sequences assigned
6 (8.7%) exact matches, in which:
5 unique CDR3
3 unique J



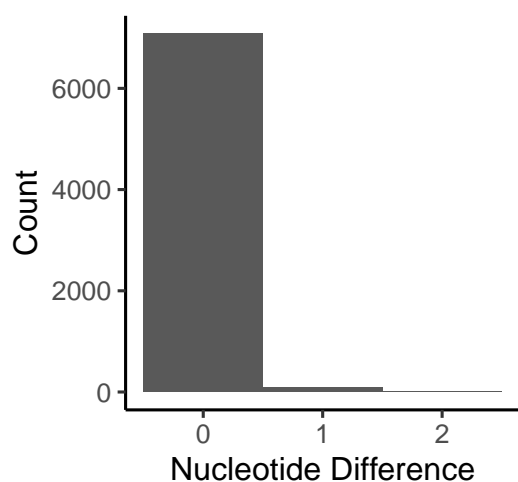
TRBV7-3*ap01

5358 sequences assigned
5305 (99%) exact matches, in which:
5212 unique CDR3
13 unique J



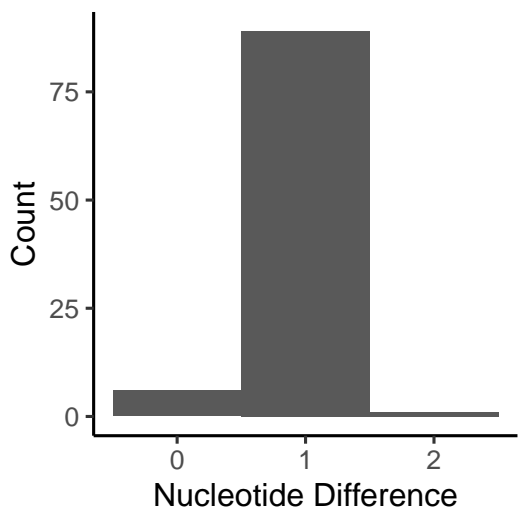
TRBV6-56*ap01

7175 sequences assigned
7080 (98.7%) exact matches, in which:
6889 unique CDR3
13 unique J



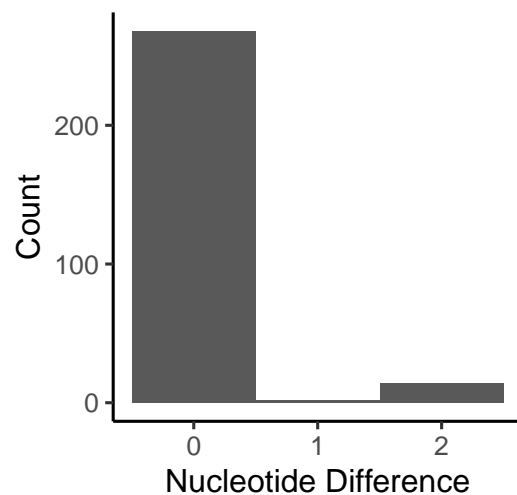
TRBV7-1*ap01_T296C_C

96 sequences assigned
6 (6.2%) exact matches, in which:
5 unique CDR3
4 unique J



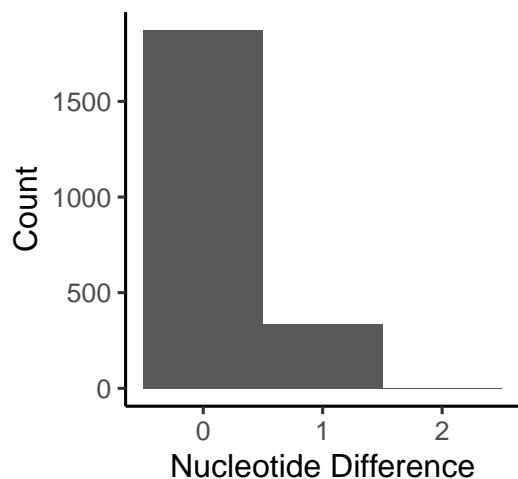
TRBV7-4*ap01

284 sequences assigned
268 (94.4%) exact matches, in which:
266 unique CDR3
13 unique J



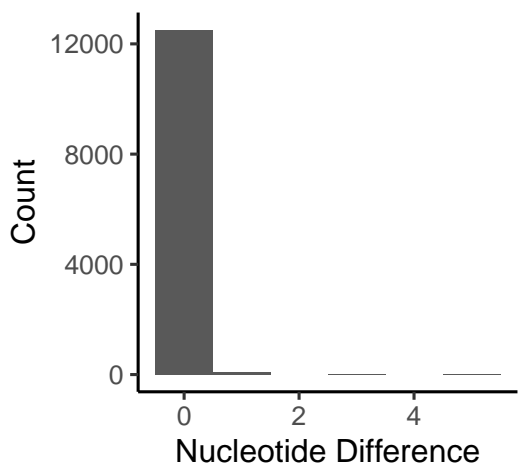
TRBV6-56*ap02

2213 sequences assigned
1873 (84.6%) exact matches, in which:
1837 unique CDR3
13 unique J



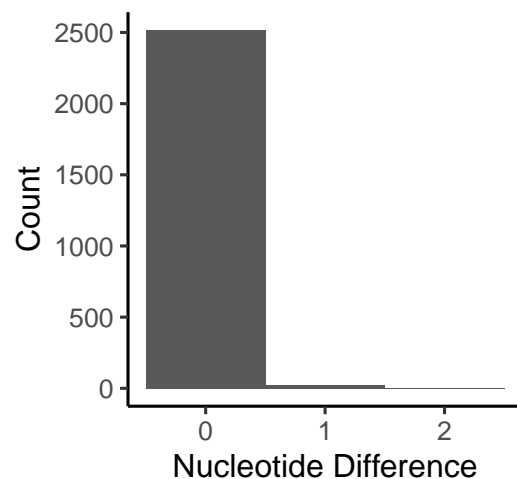
TRBV7-2*ap01

12618 sequences assigned
12511 (99.2%) exact matches, in which:
12301 unique CDR3
13 unique J



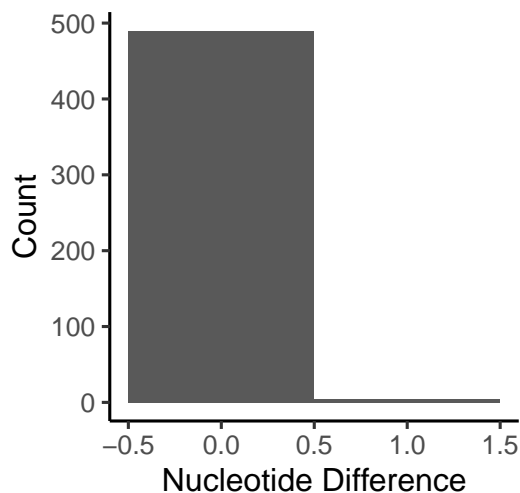
TRBV7-6*ap01

2541 sequences assigned
2517 (99.1%) exact matches, in which:
2466 unique CDR3
13 unique J



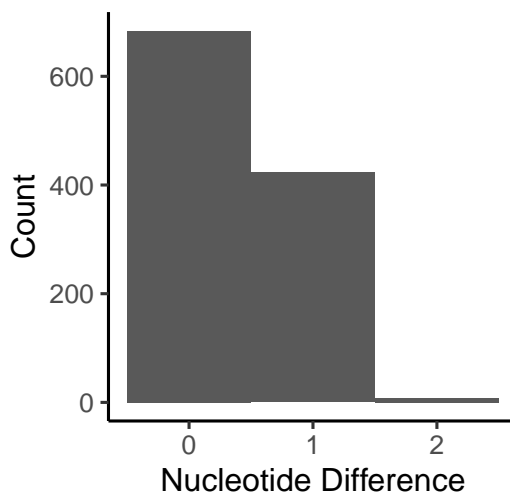
TRBV7-7*ap01

494 sequences assigned
490 (99.2%) exact matches, in which:
482 unique CDR3
13 unique J



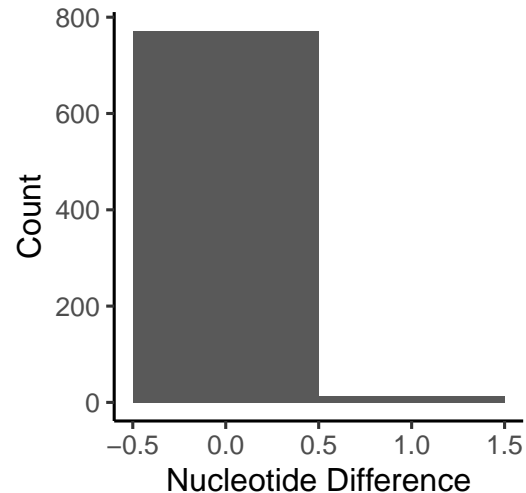
TRBV7-8*ap03

1115 sequences assigned
684 (61.3%) exact matches, in which:
669 unique CDR3
13 unique J



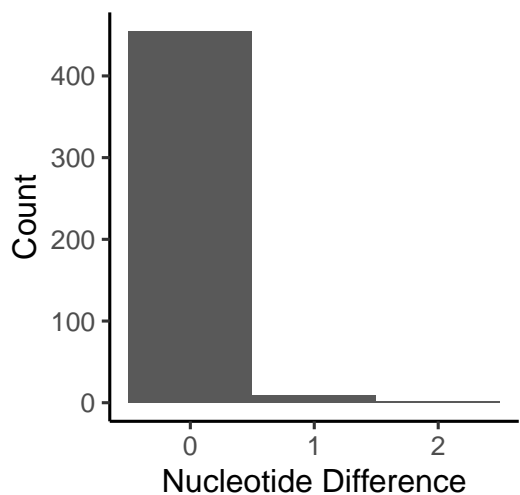
TRBV29-1*ap02

786 sequences assigned
772 (98.2%) exact matches, in which:
756 unique CDR3
13 unique J



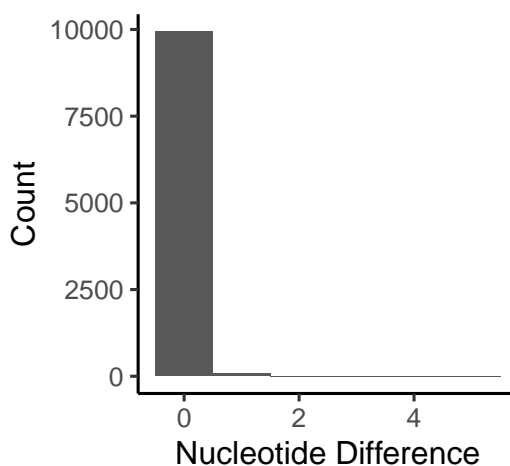
TRBV7-7*ap01_C315T

466 sequences assigned
455 (97.6%) exact matches, in which:
447 unique CDR3
13 unique J



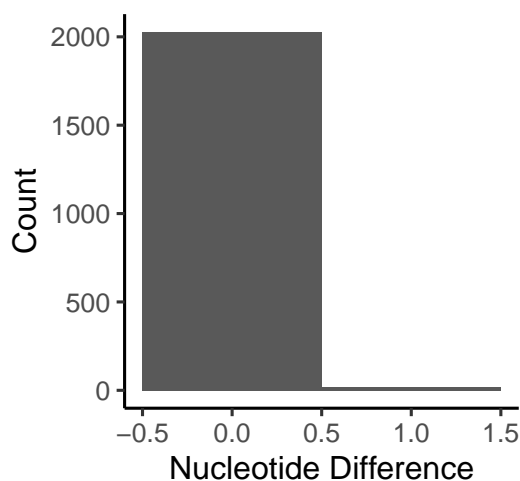
TRBV7-9*ap01

10027 sequences assigned
9942 (99.2%) exact matches, in which:
9787 unique CDR3
13 unique J



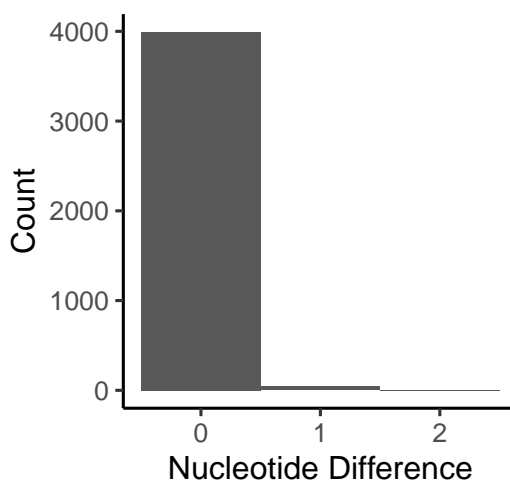
TRBV7-8*ap01

2047 sequences assigned
2027 (99%) exact matches, in which:
1981 unique CDR3
13 unique J

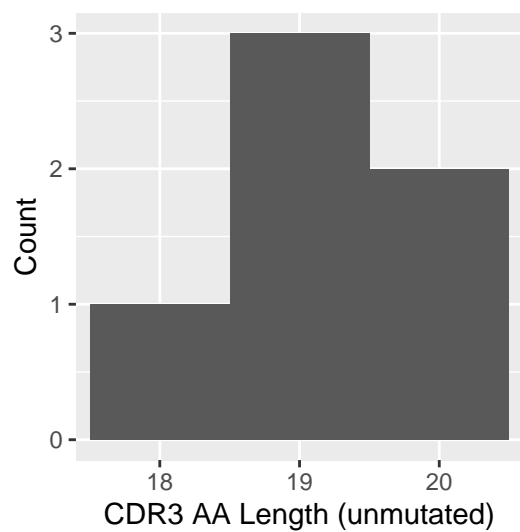


TRBV29-1*ap01

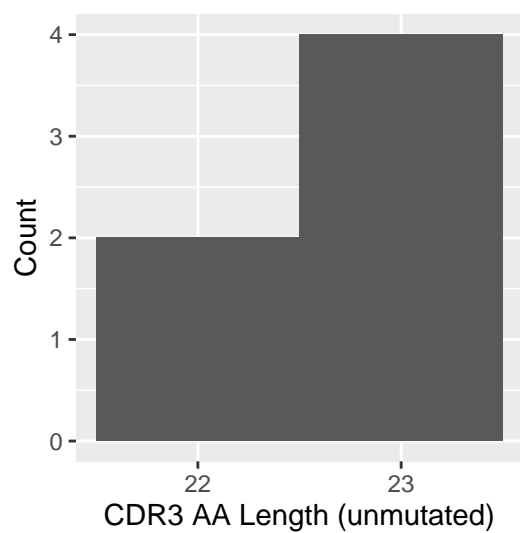
4039 sequences assigned
3992 (98.8%) exact matches, in which:
3911 unique CDR3
13 unique J



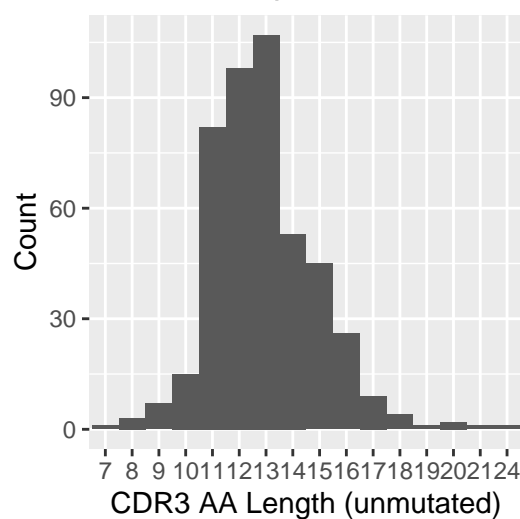
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]