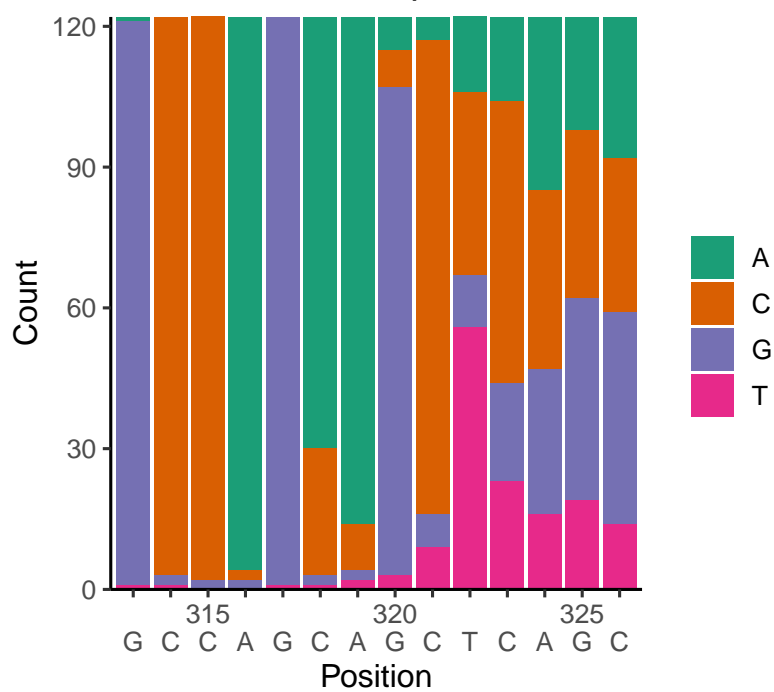
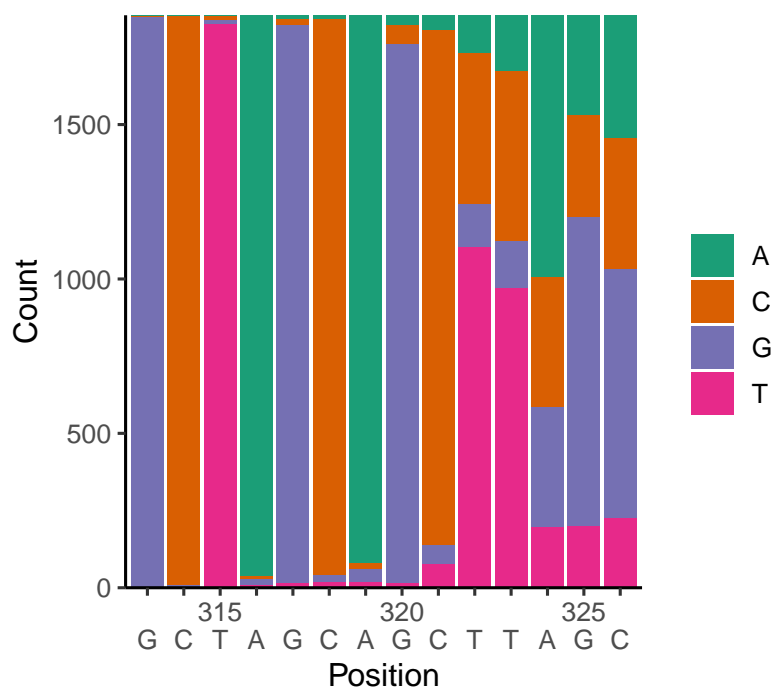


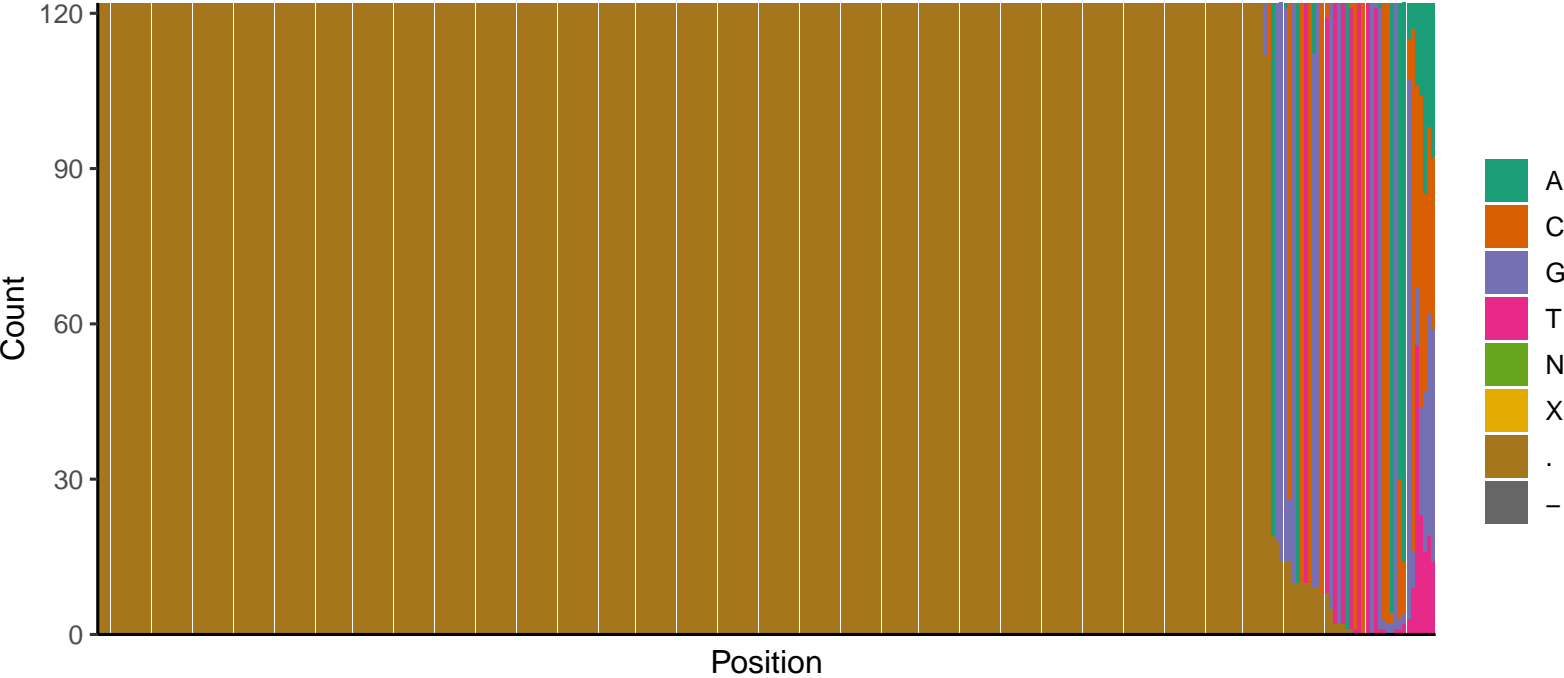
Gene TRBV7-1*ap01_T296C



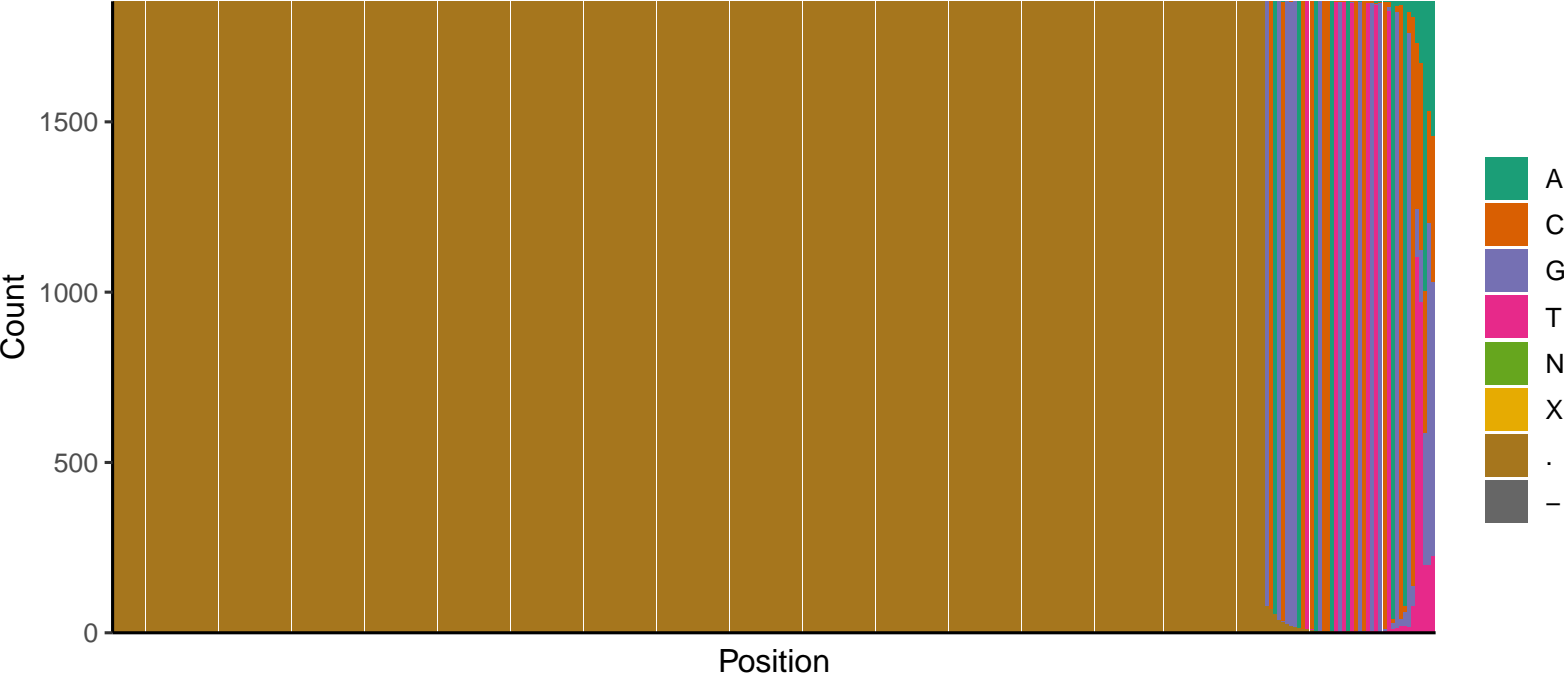
Gene TRBV7-7*ap01_C315T



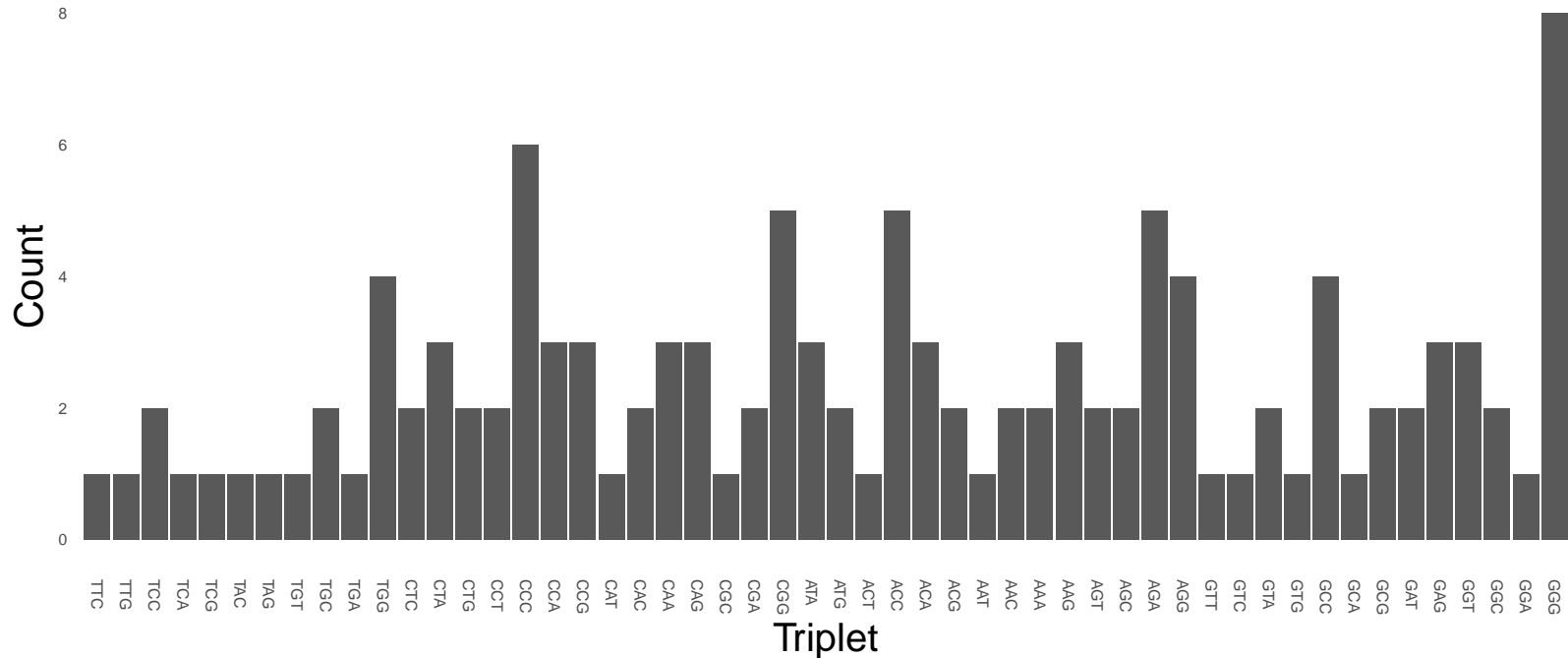
Gene TRBV7-1*ap01_T296C



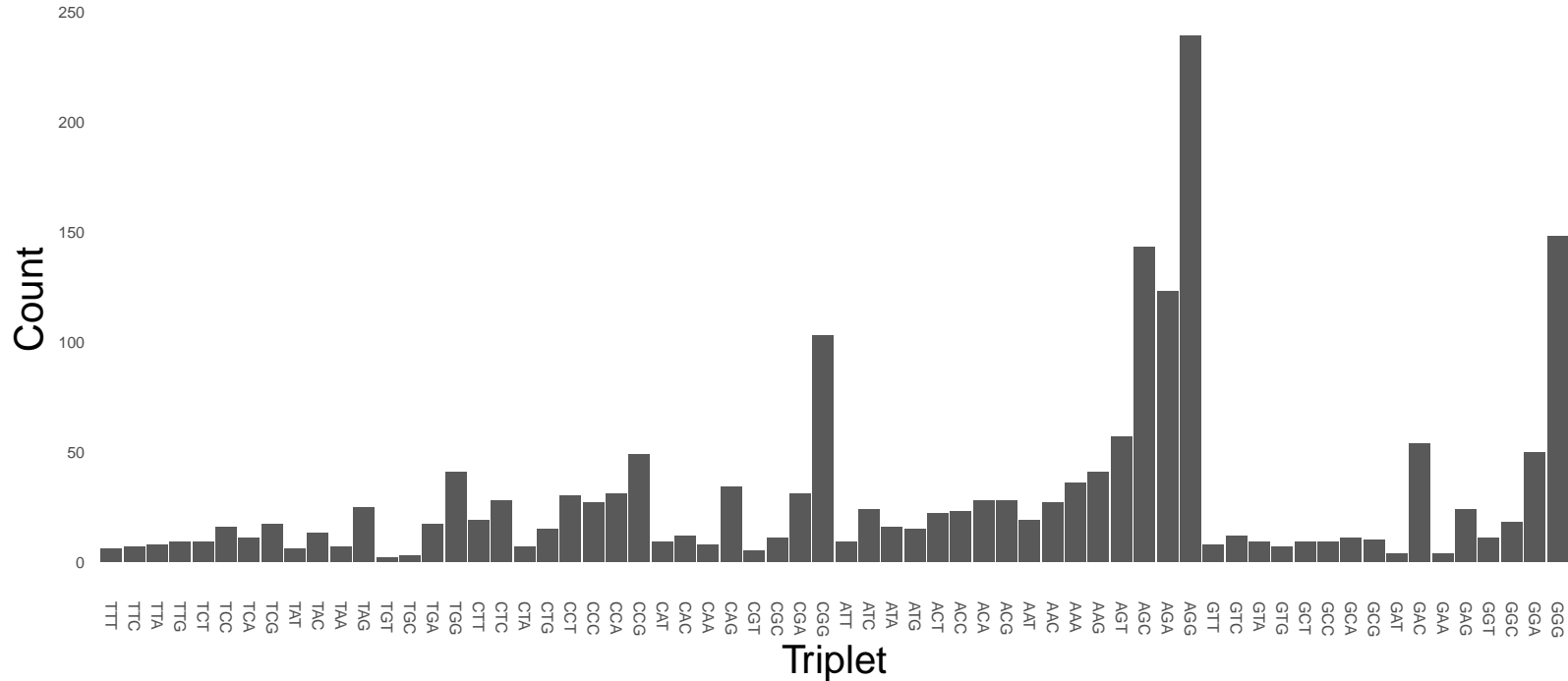
Gene TRBV7-7*ap01_C315T



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

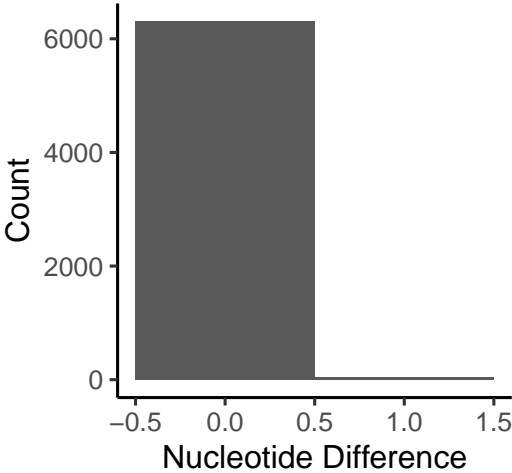


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



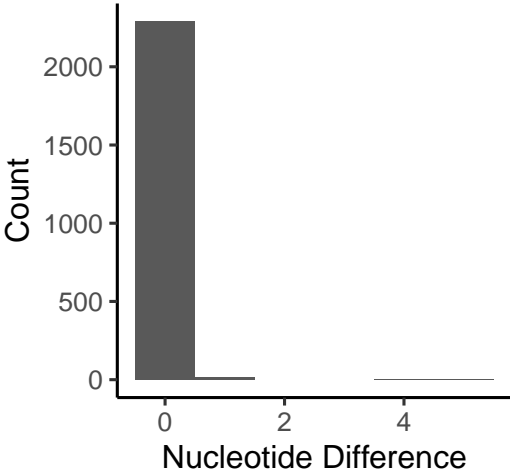
TRBV20-1*ap01

6342 sequences assigned
6306 (99.4%) exact matches, in which:
6272 unique CDR3
13 unique J



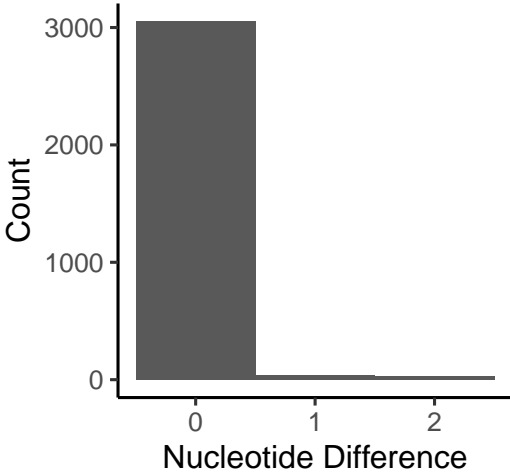
TRBV10-2*ap01

2306 sequences assigned
2290 (99.3%) exact matches, in which:
2270 unique CDR3
13 unique J



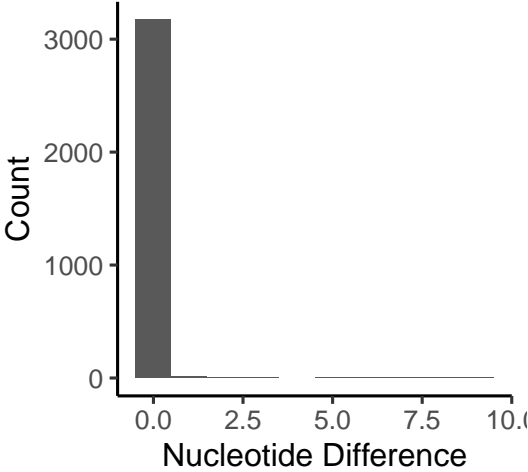
TRBV13*ap01

3125 sequences assigned
3052 (97.7%) exact matches, in which:
3005 unique CDR3
13 unique J



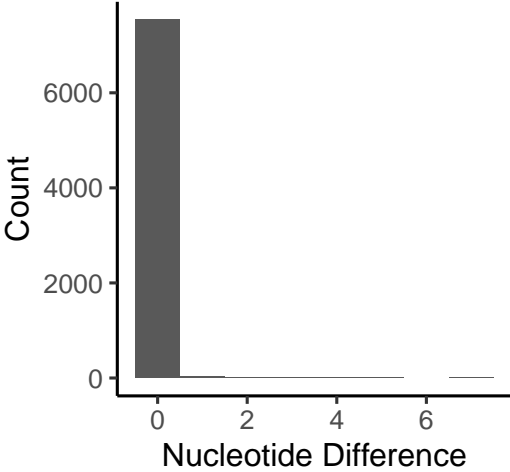
TRBV10-1*ap01

3195 sequences assigned
3172 (99.3%) exact matches, in which:
3146 unique CDR3
14 unique J



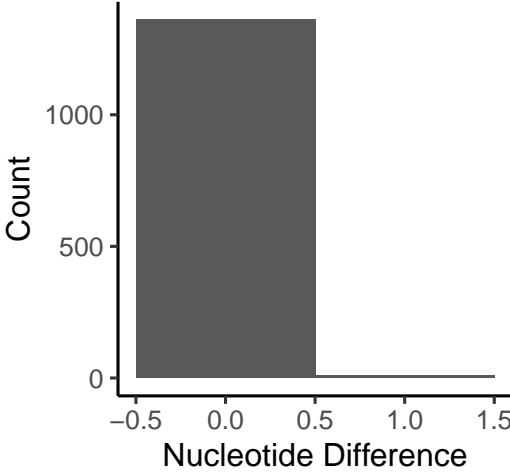
TRBV10-3*ap01

7588 sequences assigned
7537 (99.3%) exact matches, in which:
7470 unique CDR3
13 unique J



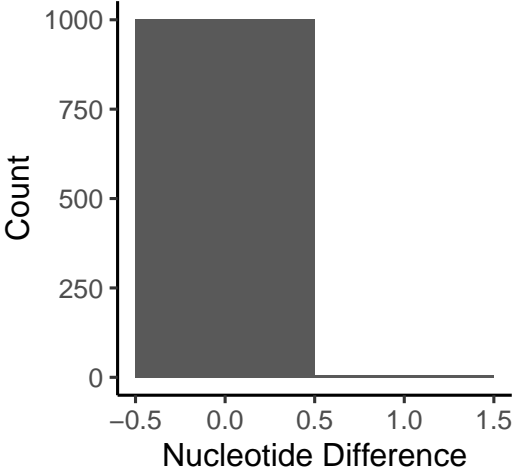
TRBV14*ap01

1370 sequences assigned
1361 (99.3%) exact matches, in which:
1347 unique CDR3
13 unique J



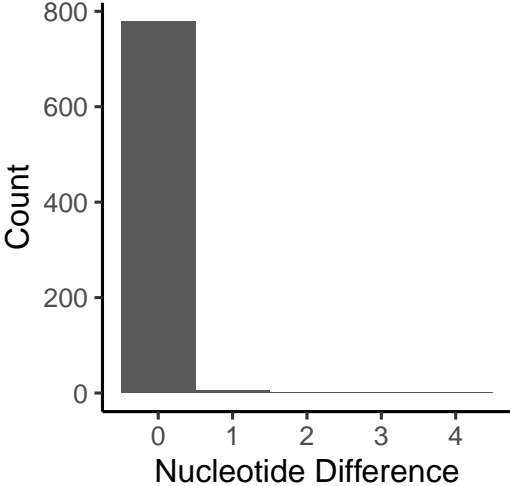
TRBV20-1*ap02

1008 sequences assigned
1002 (99.4%) exact matches, in which:
998 unique CDR3
13 unique J



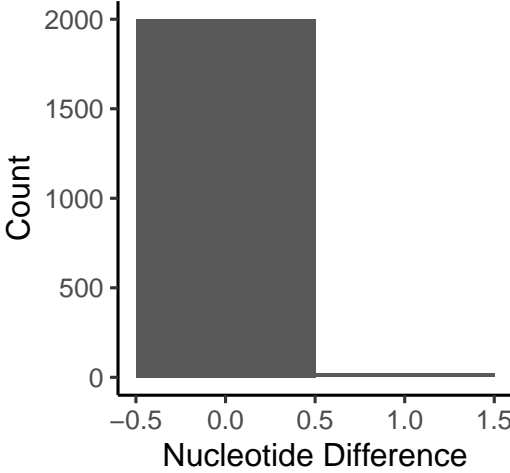
TRBV1*ap01

789 sequences assigned
779 (98.7%) exact matches, in which:
765 unique CDR3
13 unique J



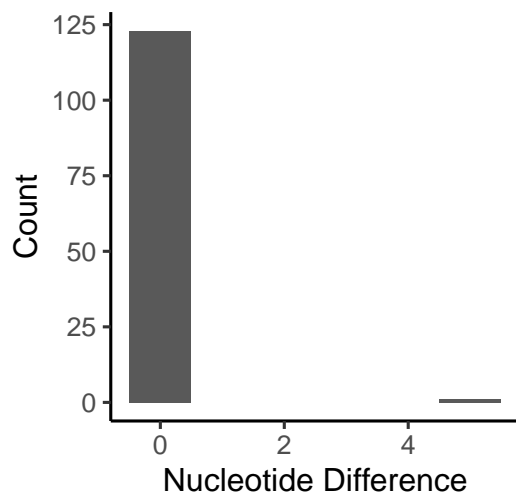
TRBV15*ap02

2023 sequences assigned
2001 (98.9%) exact matches, in which:
1986 unique CDR3
13 unique J



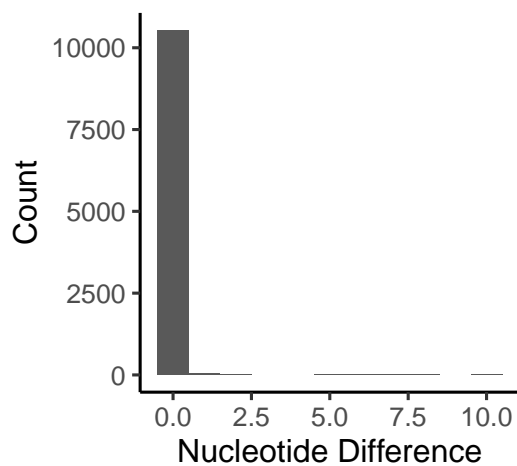
TRBV16*ap01

124 sequences assigned
123 (99.2%) exact matches, in which:
122 unique CDR3
12 unique J



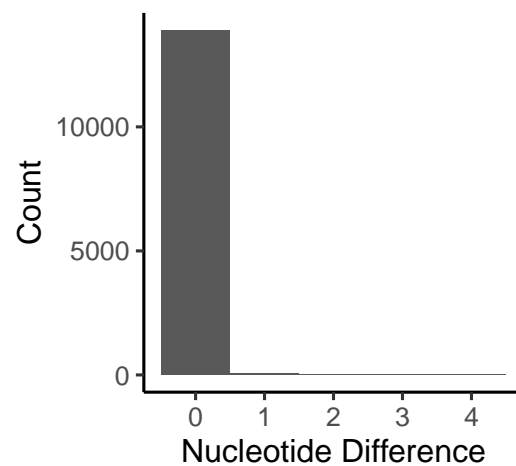
TRBV19*ap01

10612 sequences assigned
10538 (99.3%) exact matches, in which:
10497 unique CDR3
13 unique J



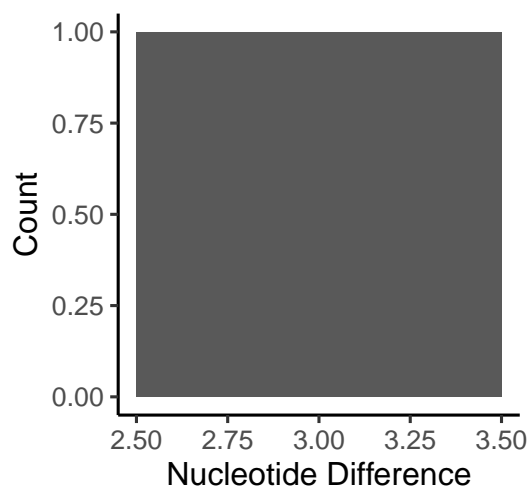
TRBV28*ap01

13972 sequences assigned
13900 (99.5%) exact matches, in which:
13829 unique CDR3
13 unique J



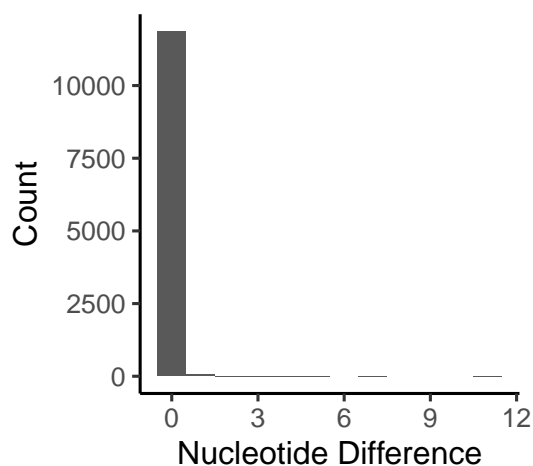
TRBV17*ap01

1 sequences assigned
No exact matches.



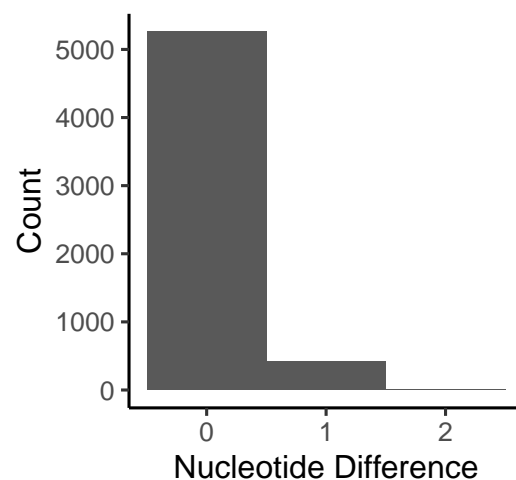
TRBV2*ap01

11942 sequences assigned
11861 (99.3%) exact matches, in which:
11777 unique CDR3
13 unique J



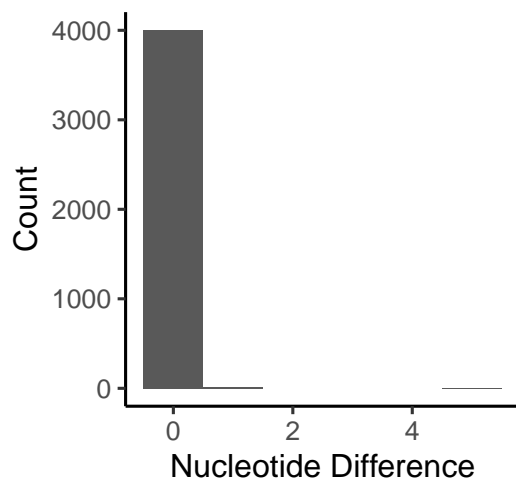
TRBV30*ap01

5687 sequences assigned
5260 (92.5%) exact matches, in which:
5159 unique CDR3
13 unique J



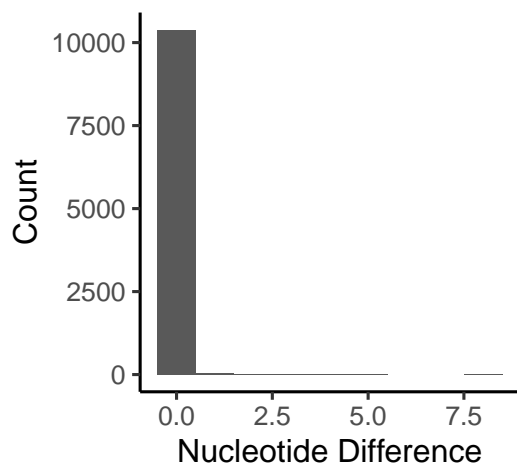
TRBV18*ap01

4016 sequences assigned
4003 (99.7%) exact matches, in which:
3983 unique CDR3
13 unique J



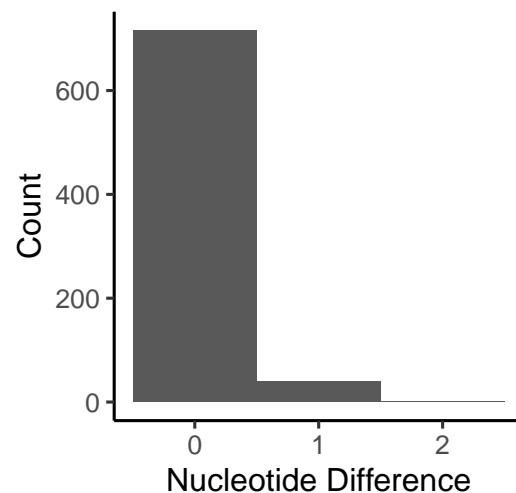
TRBV27*ap01

10461 sequences assigned
10386 (99.3%) exact matches, in which:
10321 unique CDR3
13 unique J



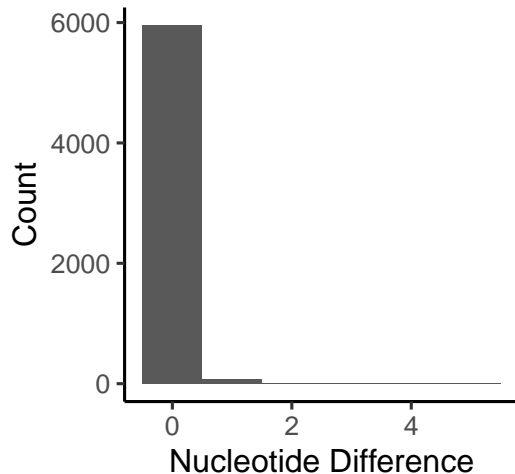
TRBV30*ap03

756 sequences assigned
716 (94.7%) exact matches, in which:
705 unique CDR3
13 unique J



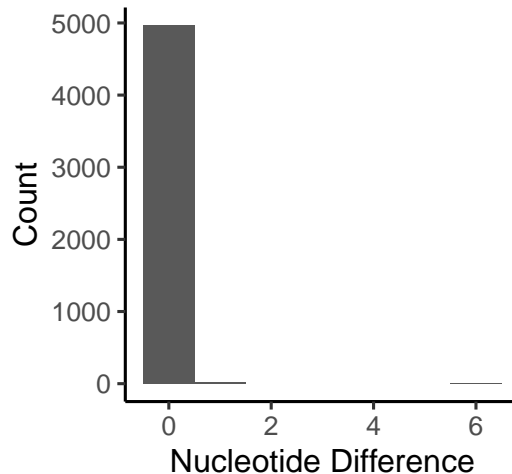
TRBV9*ap01

6028 sequences assigned
5953 (98.8%) exact matches, in which:
5920 unique CDR3
13 unique J



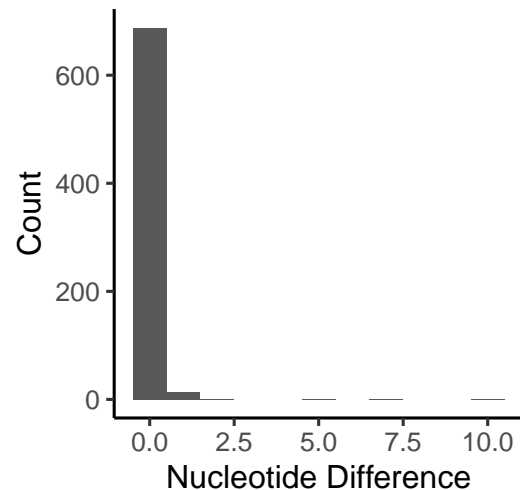
TRBV11-2*ap01

4983 sequences assigned
4966 (99.7%) exact matches, in which:
4953 unique CDR3
13 unique J



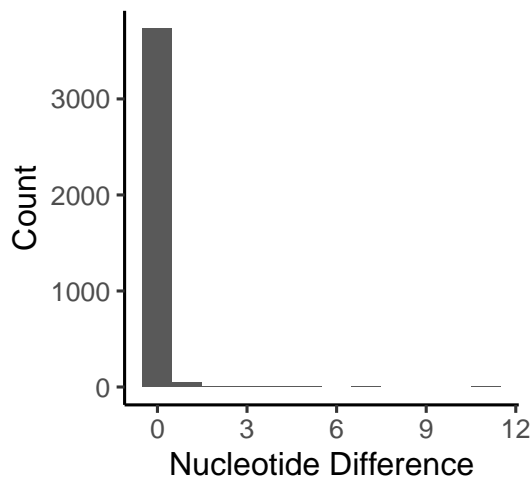
TRBV12-2*ap01

705 sequences assigned
688 (97.6%) exact matches, in which:
683 unique CDR3
13 unique J



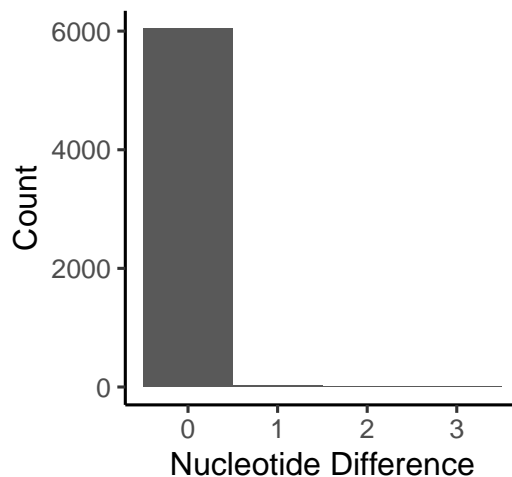
TRBV21-1*ap01

3792 sequences assigned
3731 (98.4%) exact matches, in which:
3716 unique CDR3
13 unique J



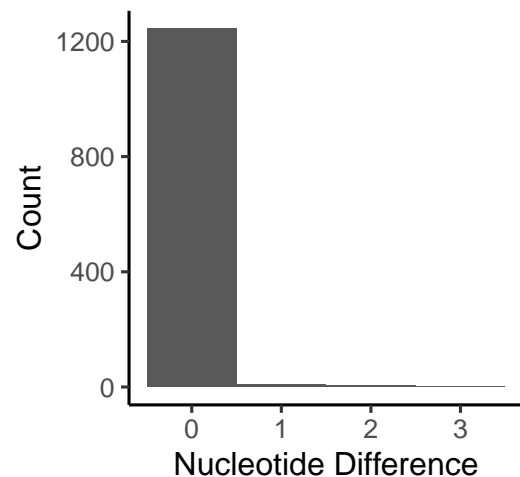
TRBV11-3*ap01

6070 sequences assigned
6040 (99.5%) exact matches, in which:
6025 unique CDR3
13 unique J



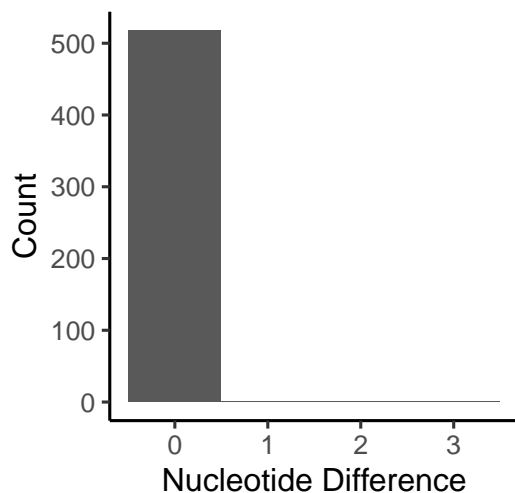
TRBV12-5*ap01

1259 sequences assigned
1244 (98.8%) exact matches, in which:
1232 unique CDR3
13 unique J



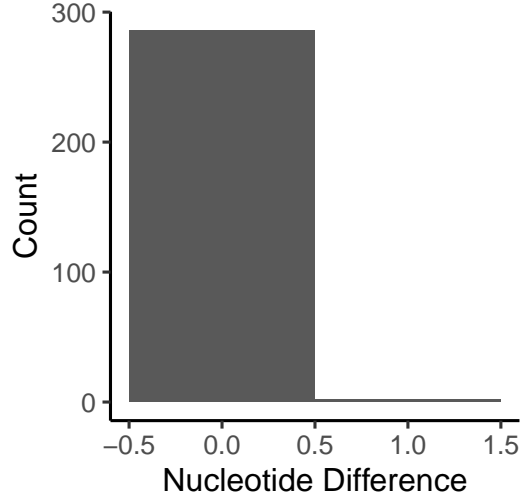
TRBV11-1*ap01

521 sequences assigned
518 (99.4%) exact matches, in which:
515 unique CDR3
13 unique J



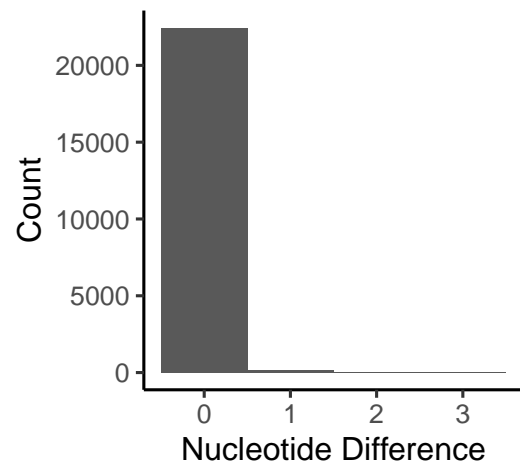
TRBV12-1*ap01

288 sequences assigned
286 (99.3%) exact matches, in which:
283 unique CDR3
13 unique J



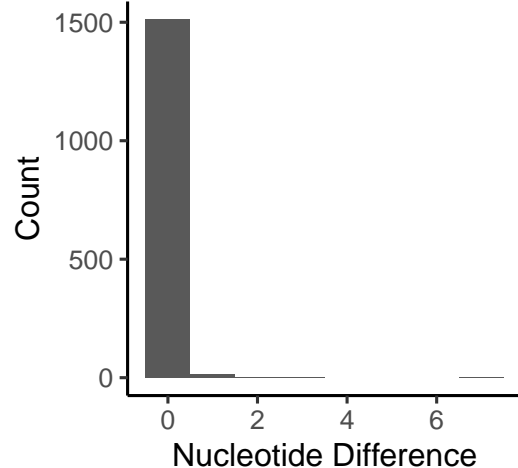
TRBV12-34*ap01

22623 sequences assigned
22446 (99.2%) exact matches, in which:
22275 unique CDR3
14 unique J



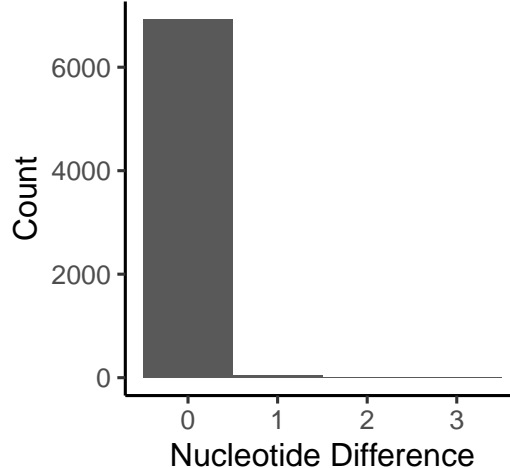
TRBV23-1*ap01

1532 sequences assigned
1512 (98.7%) exact matches, in which:
1500 unique CDR3
13 unique J



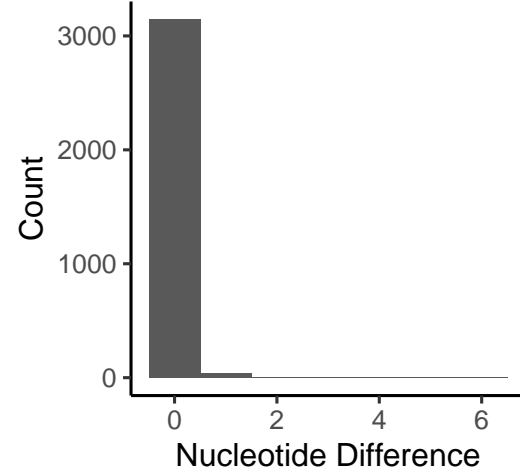
TRBV4-1*ap01

6977 sequences assigned
6924 (99.2%) exact matches, in which:
6852 unique CDR3
13 unique J



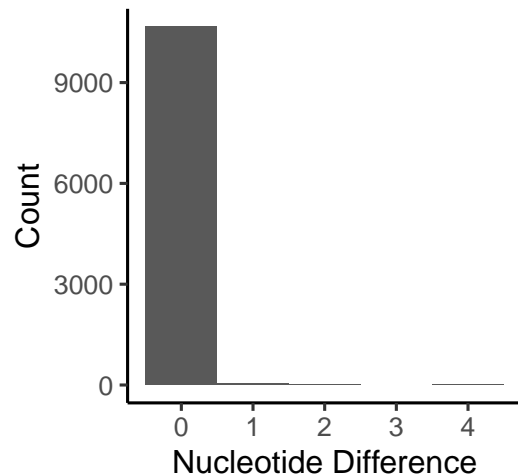
TRBV25-1*ap01

3188 sequences assigned
3145 (98.7%) exact matches, in which:
3094 unique CDR3
13 unique J



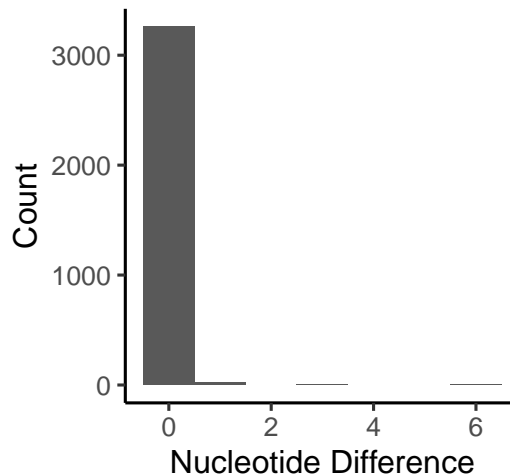
TRBV3-12*ap01

10703 sequences assigned
10663 (99.6%) exact matches, in which:
10627 unique CDR3
13 unique J



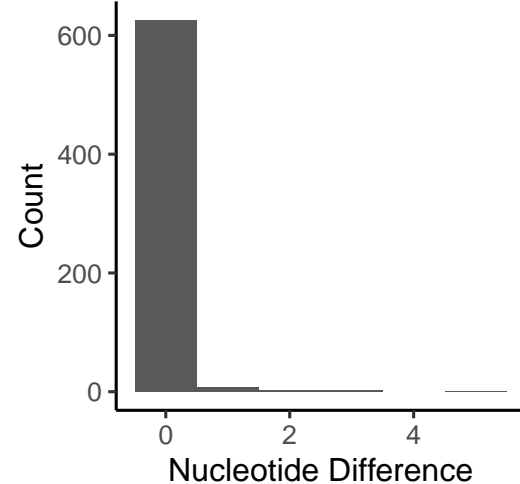
TRBV4-2*ap01

3286 sequences assigned
3259 (99.2%) exact matches, in which:
3226 unique CDR3
13 unique J



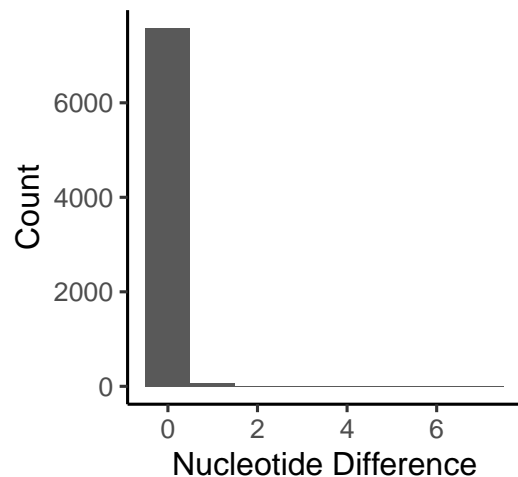
TRBV5-3*ap01

640 sequences assigned
626 (97.8%) exact matches, in which:
621 unique CDR3
13 unique J



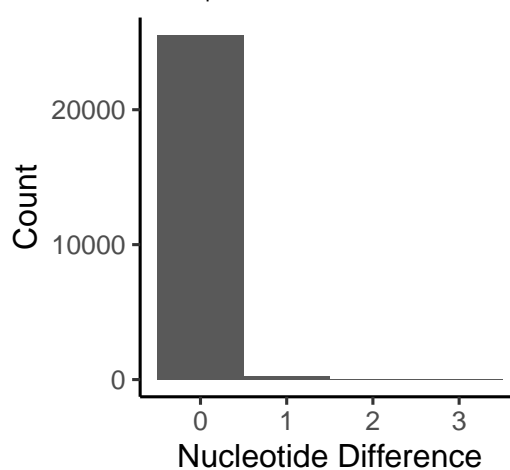
TRBV24-1*ap01

7665 sequences assigned
7582 (98.9%) exact matches, in which:
7482 unique CDR3
13 unique J



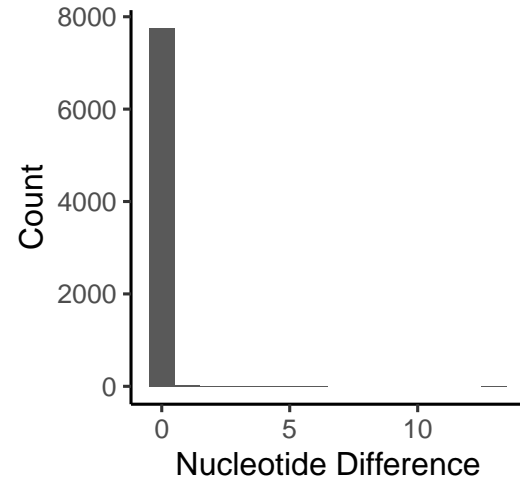
TRBV5-1*ap01

25788 sequences assigned
25552 (99.1%) exact matches, in which:
25332 unique CDR3
13 unique J



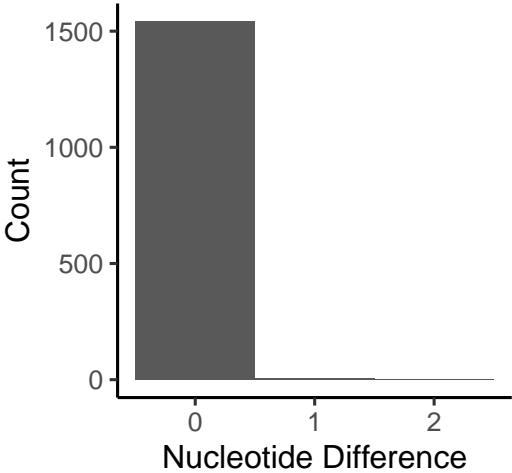
TRBV5-4*ap01

7796 sequences assigned
7755 (99.5%) exact matches, in which:
7691 unique CDR3
13 unique J



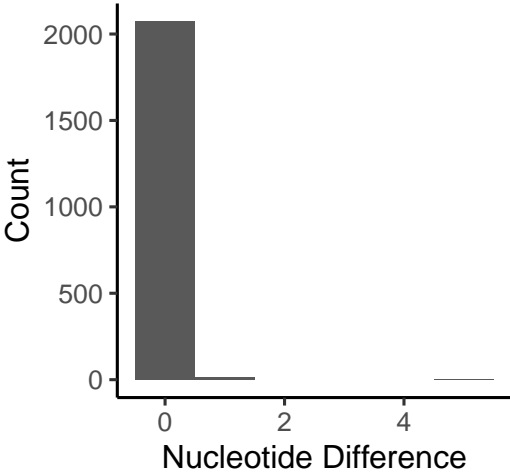
TRBV5-5*ap01

1551 sequences assigned
1542 (99.4%) exact matches, in which:
1541 unique CDR3
13 unique J



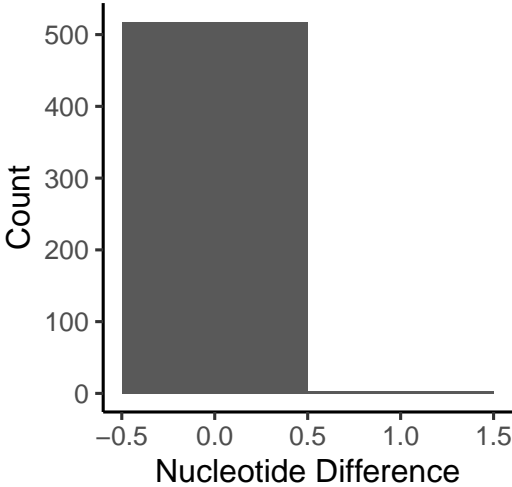
TRBV5-8*ap01

2087 sequences assigned
2073 (99.3%) exact matches, in which:
2057 unique CDR3
13 unique J



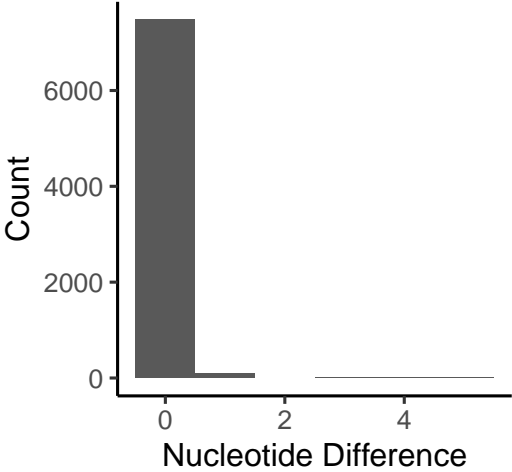
TRBV6-7*ap01

521 sequences assigned
518 (99.4%) exact matches, in which:
510 unique CDR3
13 unique J



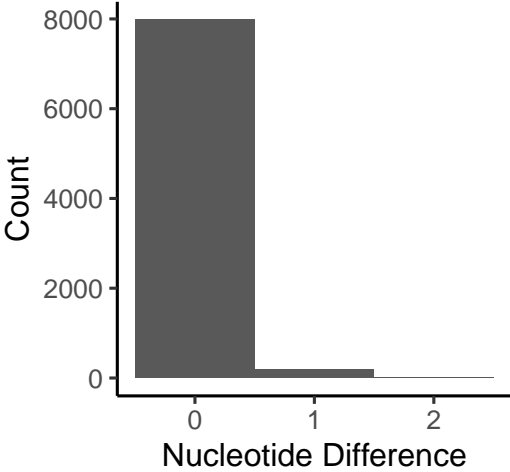
TRBV5-6*ap01

7582 sequences assigned
7477 (98.6%) exact matches, in which:
7378 unique CDR3
13 unique J



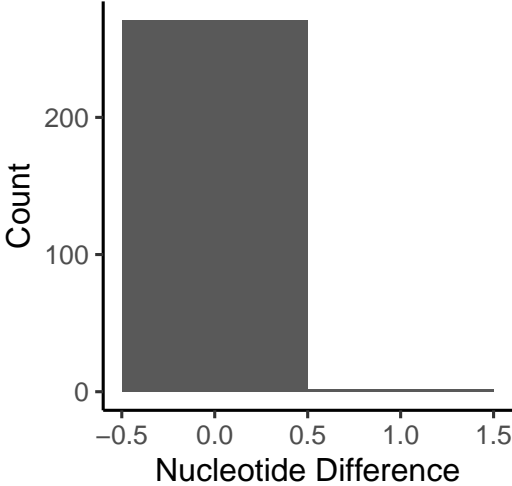
TRBV6-1*ap01

8168 sequences assigned
7982 (97.7%) exact matches, in which:
7900 unique CDR3
13 unique J



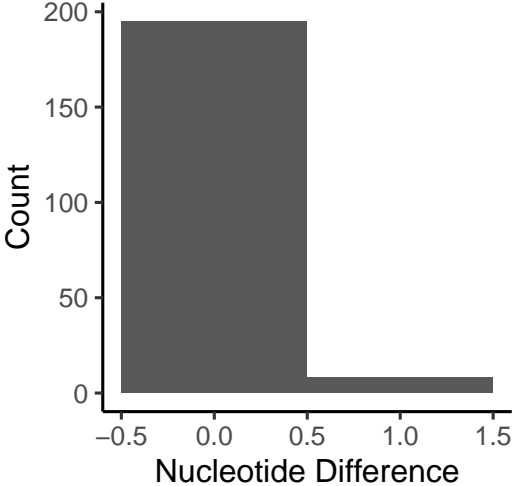
TRBV6-8*ap01

273 sequences assigned
271 (99.3%) exact matches, in which:
267 unique CDR3
13 unique J



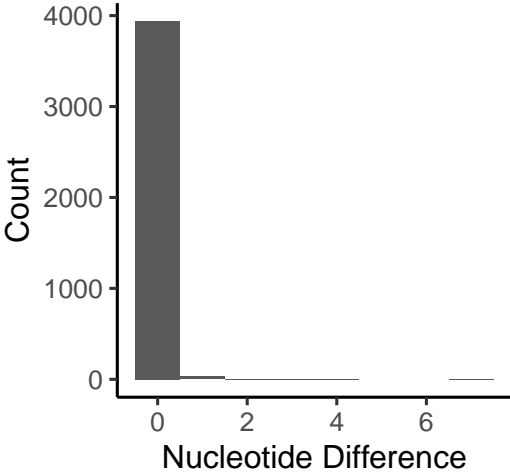
TRBV5-7*ap01

203 sequences assigned
195 (96.1%) exact matches, in which:
193 unique CDR3
13 unique J



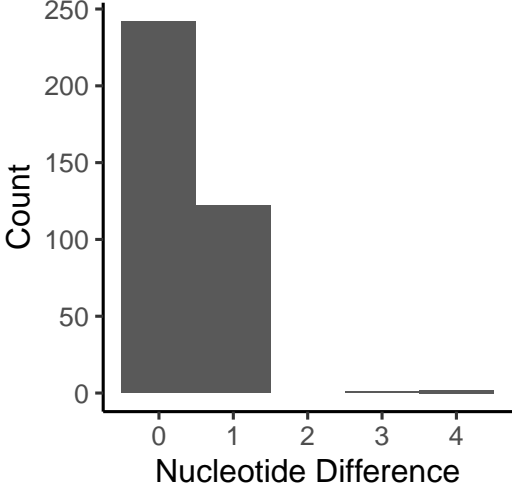
TRBV6-4*ap01

3979 sequences assigned
3940 (99%) exact matches, in which:
3914 unique CDR3
13 unique J



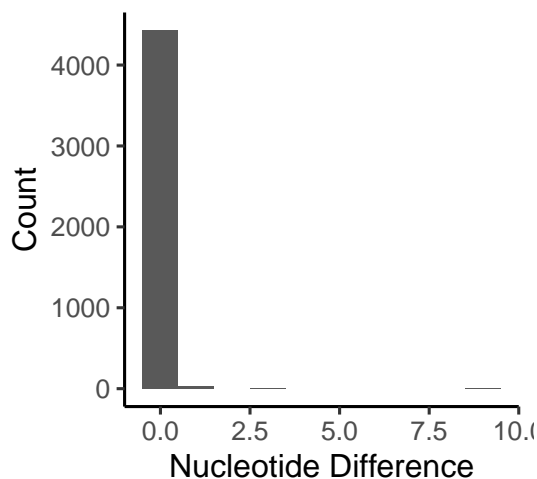
TRBV6-9*ap01

367 sequences assigned
242 (65.9%) exact matches, in which:
233 unique CDR3
13 unique J



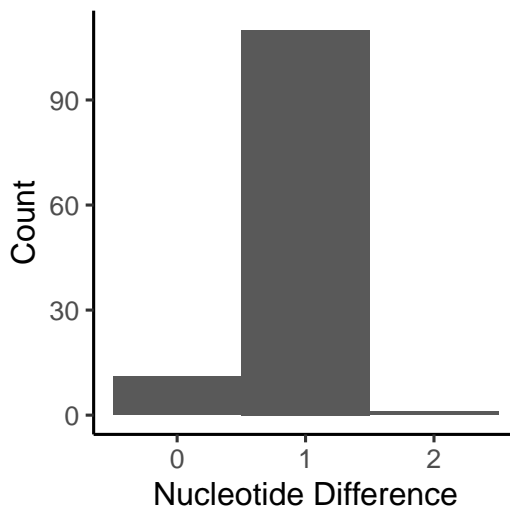
TRBV6-23*ap01

4460 sequences assigned
4428 (99.3%) exact matches, in which:
4367 unique CDR3
13 unique J



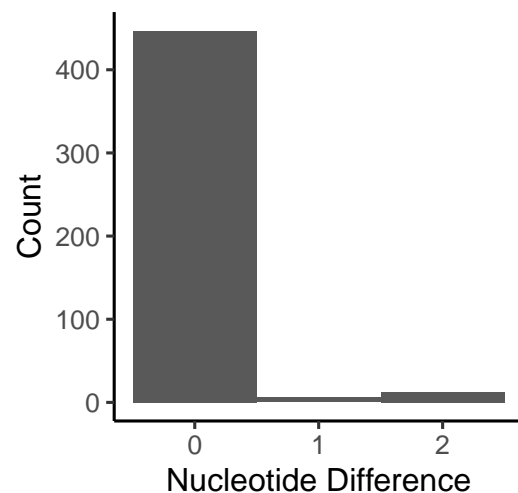
TRBV7-1*ap01_T296C

122 sequences assigned
11 (9%) exact matches, in which:
10 unique CDR3
8 unique J



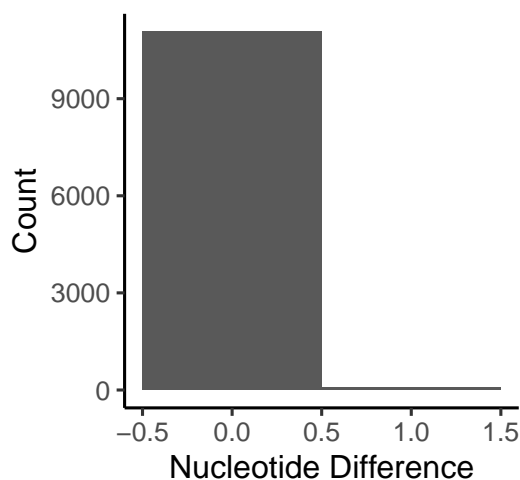
TRBV7-4*ap01

466 sequences assigned
447 (95.9%) exact matches, in which:
443 unique CDR3
13 unique J



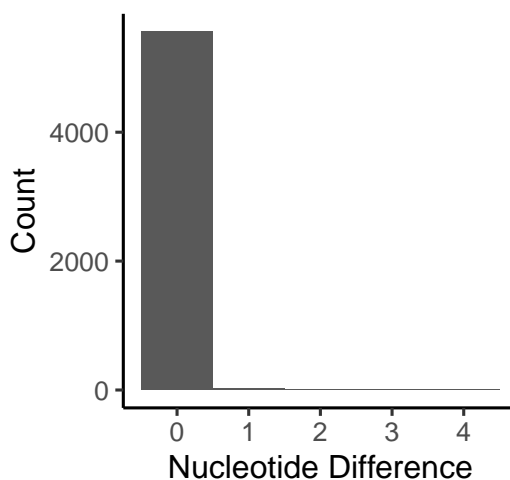
TRBV6-56*ap01

11145 sequences assigned
11069 (99.3%) exact matches, in which:
10943 unique CDR3
14 unique J



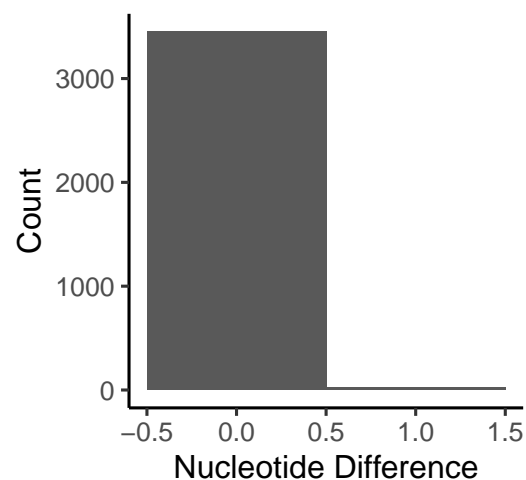
TRBV7-2*ap01

5583 sequences assigned
5559 (99.6%) exact matches, in which:
5528 unique CDR3
13 unique J



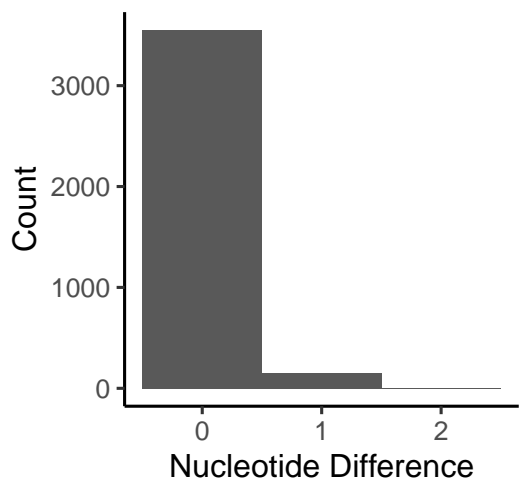
TRBV7-6*ap01

3475 sequences assigned
3451 (99.3%) exact matches, in which:
3433 unique CDR3
13 unique J



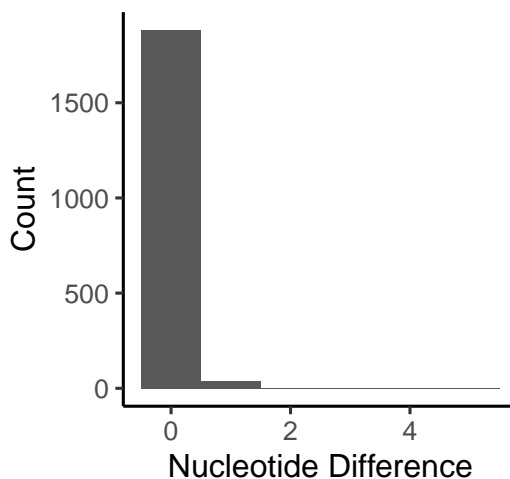
TRBV6-56*ap02

3709 sequences assigned
3551 (95.7%) exact matches, in which:
3504 unique CDR3
13 unique J



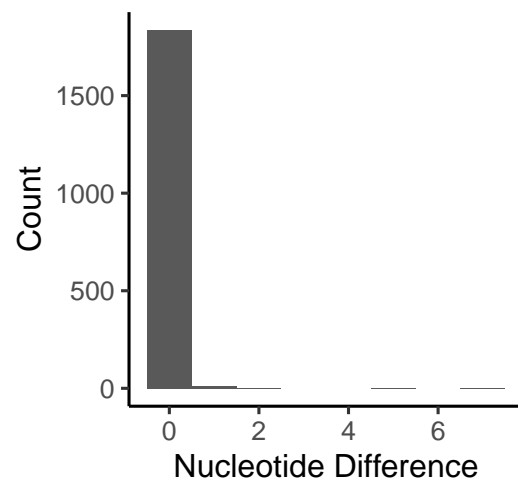
TRBV7-3*ap03

1925 sequences assigned
1882 (97.8%) exact matches, in which:
1873 unique CDR3
13 unique J



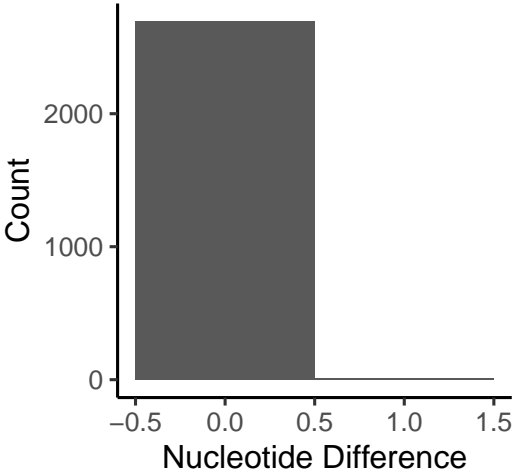
TRBV7-7*ap01_C315T

1854 sequences assigned
1836 (99%) exact matches, in which:
1819 unique CDR3
13 unique J



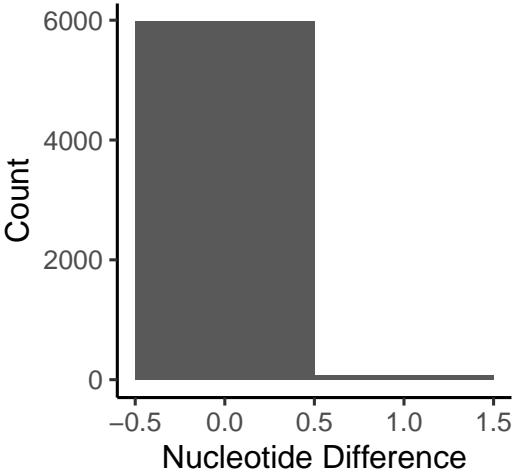
TRBV7-8*ap01

2706 sequences assigned
2694 (99.6%) exact matches, in which:
2672 unique CDR3
13 unique J



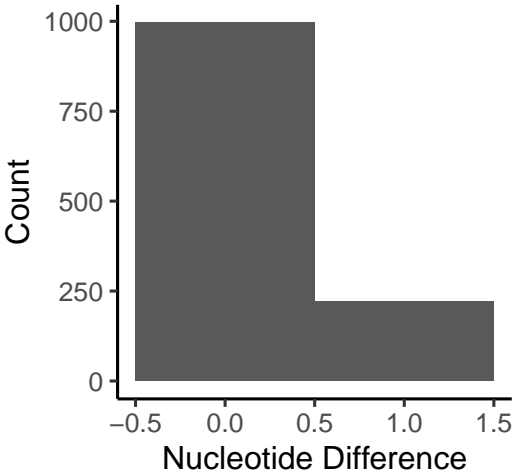
TRBV29-1*ap01

6050 sequences assigned
5980 (98.8%) exact matches, in which:
5856 unique CDR3
13 unique J



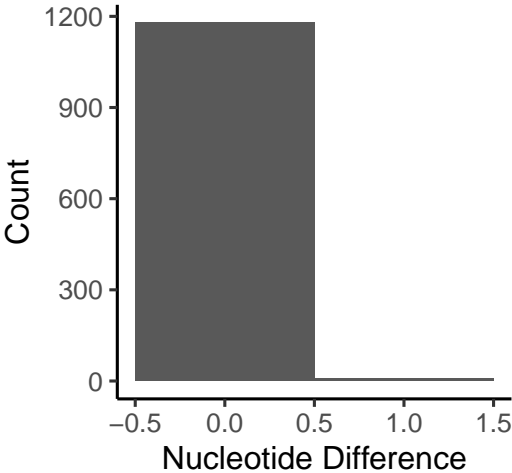
TRBV7-8*ap03

1218 sequences assigned
996 (81.8%) exact matches, in which:
989 unique CDR3
13 unique J



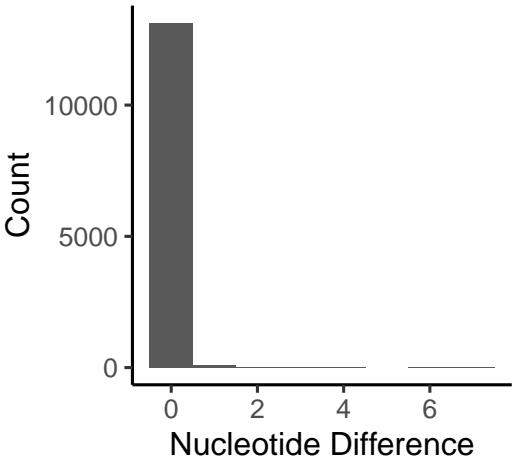
TRBV29-1*ap02

1188 sequences assigned
1179 (99.2%) exact matches, in which:
1155 unique CDR3
13 unique J

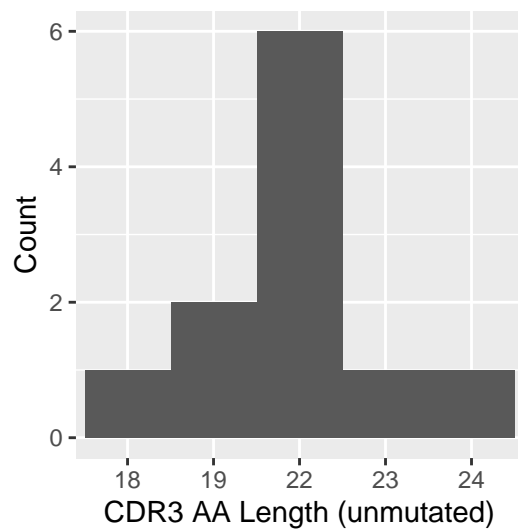


TRBV7-9*ap01

13238 sequences assigned
13136 (99.2%) exact matches, in which:
13065 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

