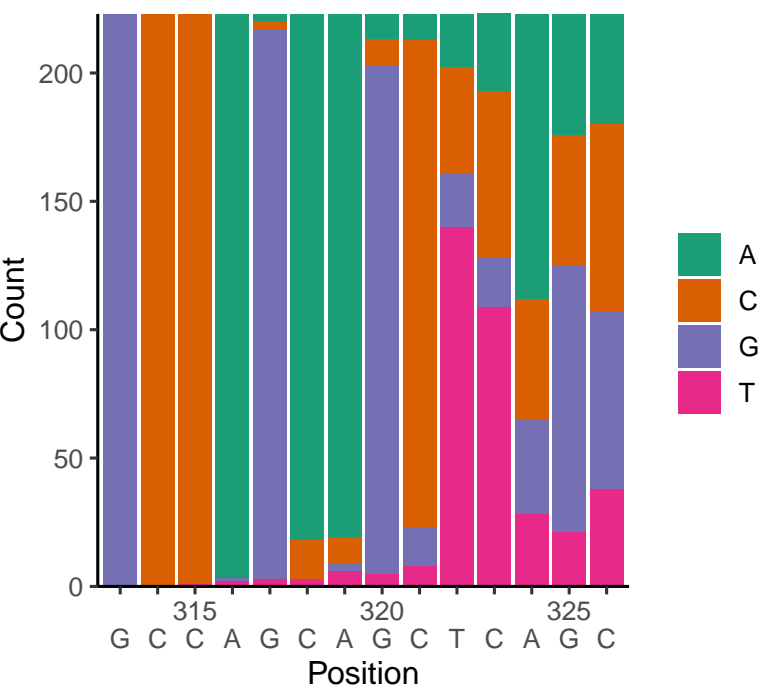
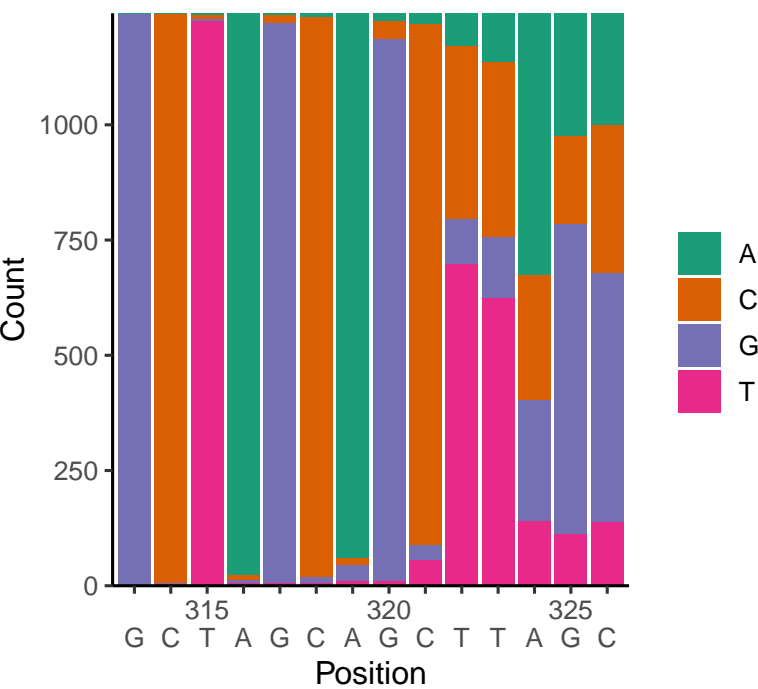


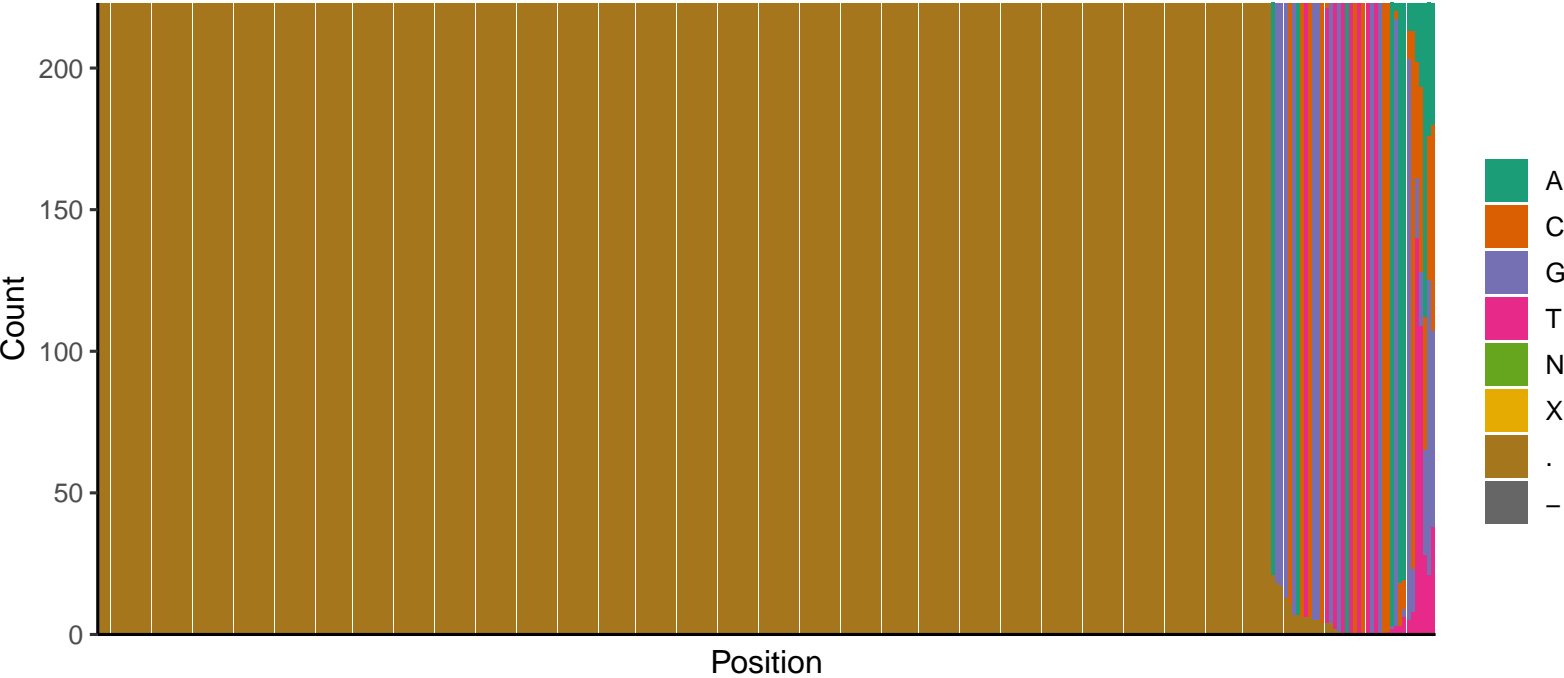
Gene TRBV7-1*ap01_G291C_T296C



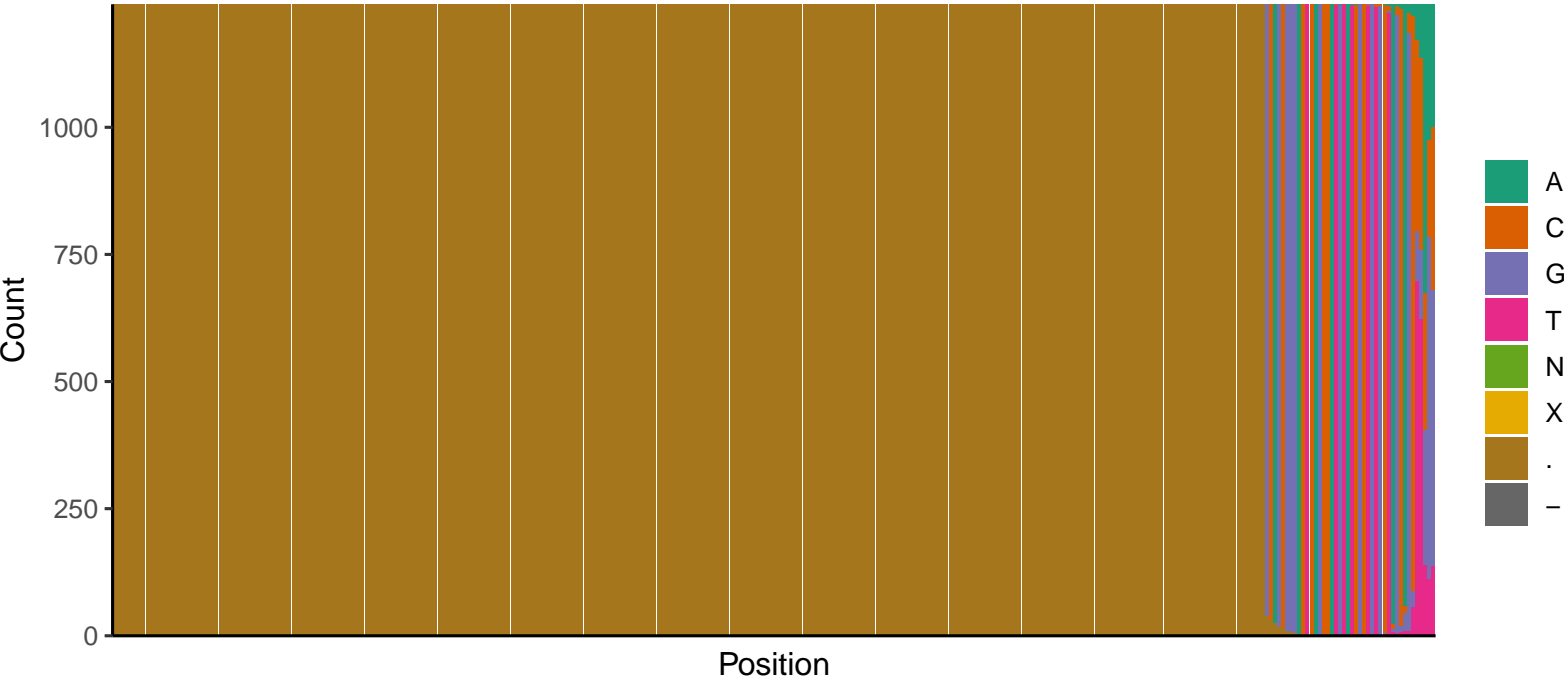
Gene TRBV7-7*ap01_C315T



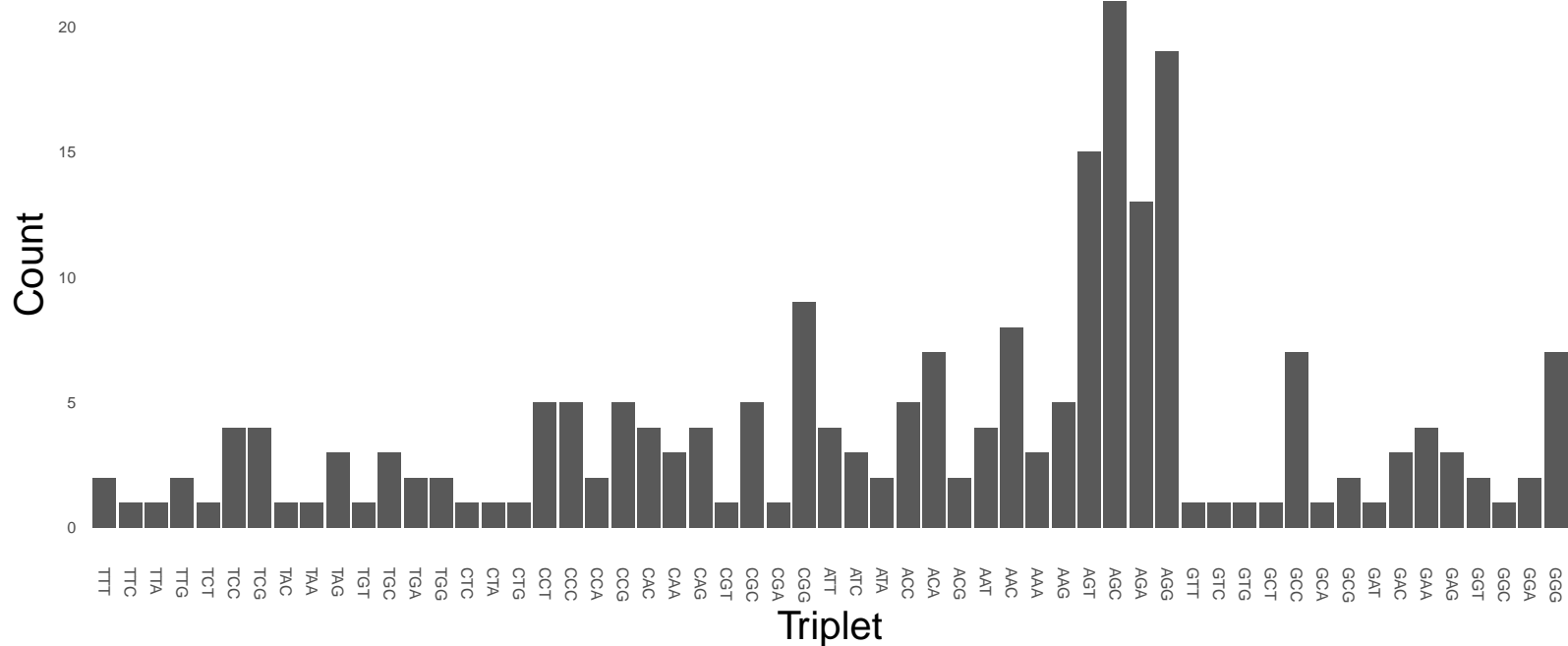
Gene TRBV7-1*ap01_G291C_T296C



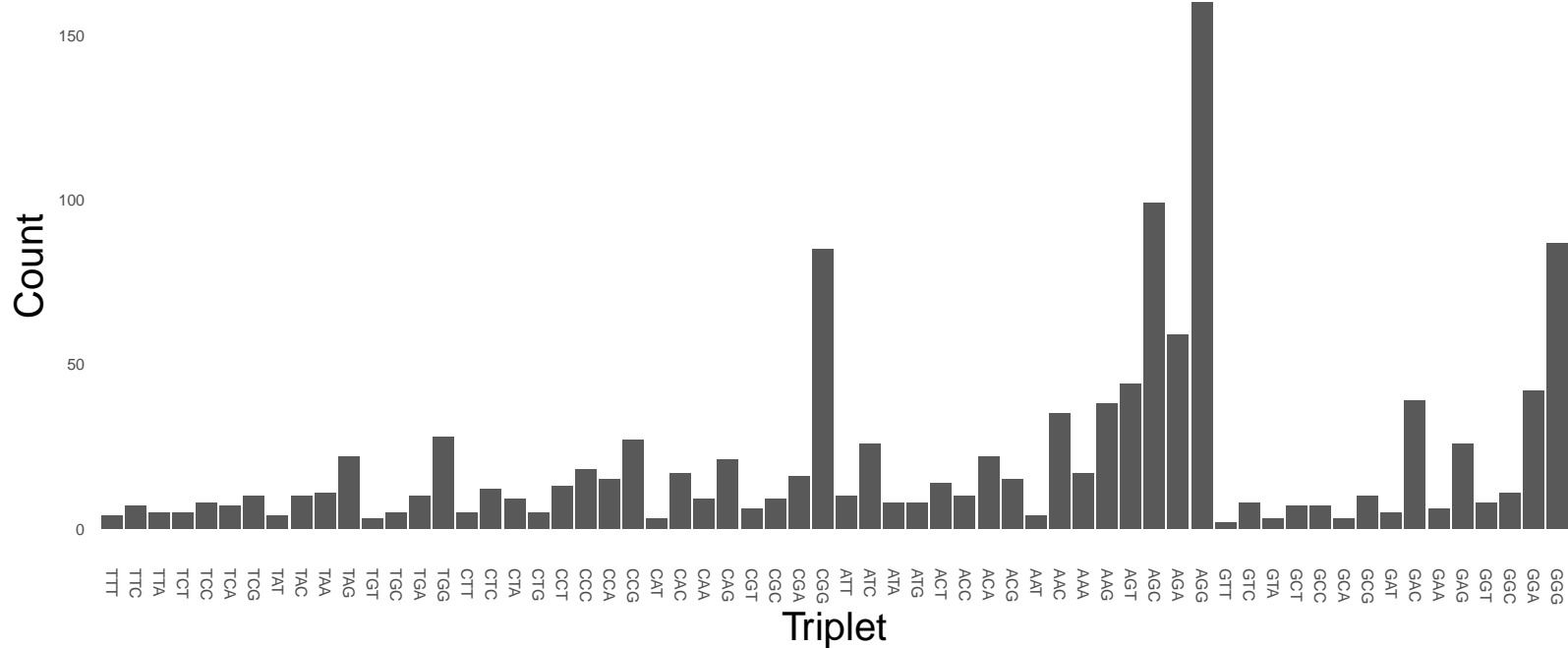
Gene TRBV7-7*ap01_C315T



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

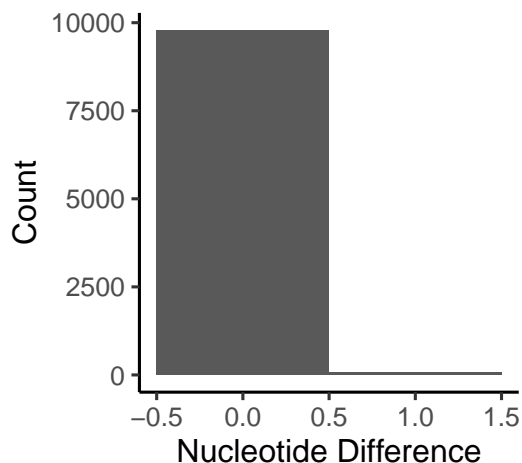


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



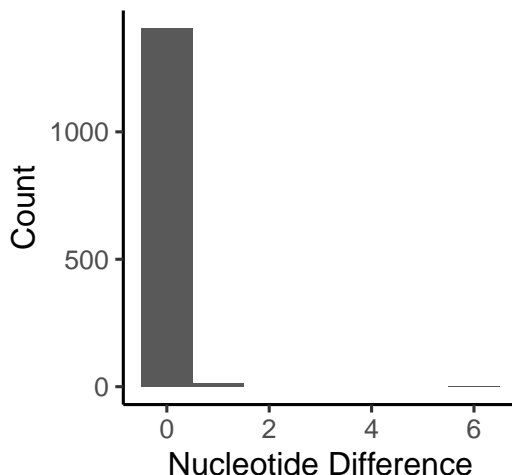
TRBV20-1*ap01

9871 sequences assigned
9788 (99.2%) exact matches, in which:
9719 unique CDR3
13 unique J



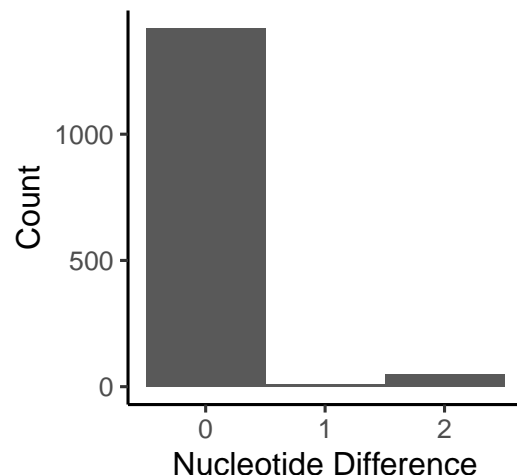
TRBV10-2*ap01

1423 sequences assigned
1406 (98.8%) exact matches, in which:
1398 unique CDR3
13 unique J



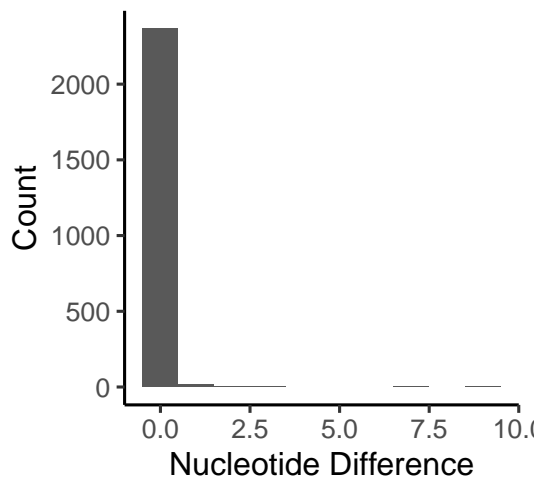
TRBV13*ap01

1478 sequences assigned
1419 (96%) exact matches, in which:
1406 unique CDR3
13 unique J



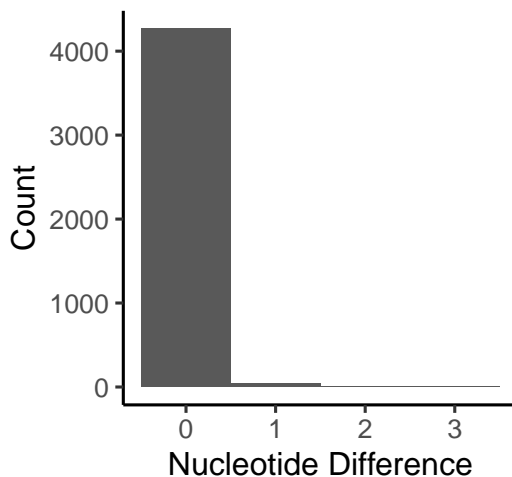
TRBV10-1*ap01

2390 sequences assigned
2366 (99%) exact matches, in which:
2342 unique CDR3
13 unique J



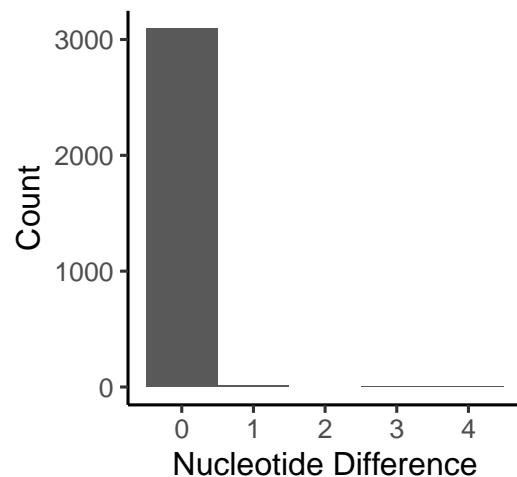
TRBV10-3*ap01

4317 sequences assigned
4267 (98.8%) exact matches, in which:
4228 unique CDR3
13 unique J



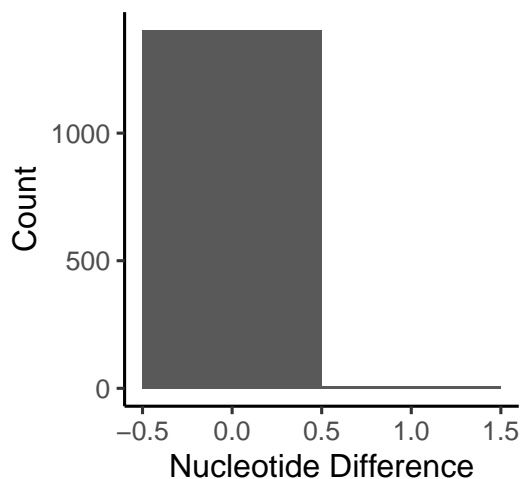
TRBV14*ap01

3106 sequences assigned
3093 (99.6%) exact matches, in which:
3078 unique CDR3
13 unique J



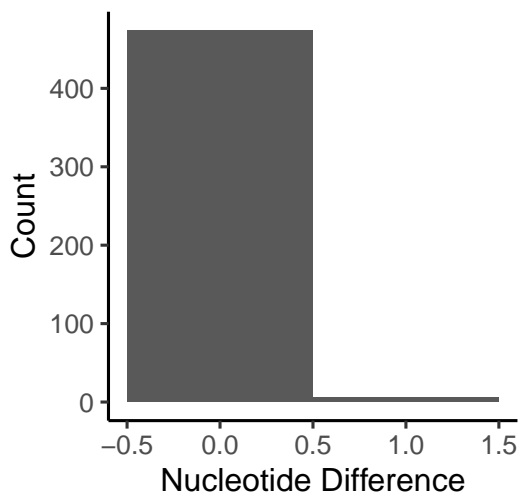
TRBV20-1*ap02

1414 sequences assigned
1404 (99.3%) exact matches, in which:
1394 unique CDR3
13 unique J



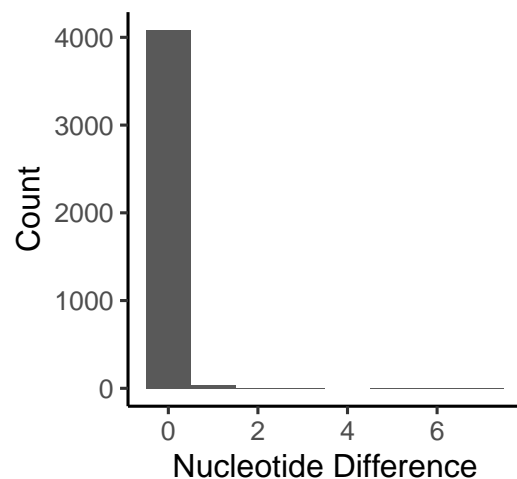
TRBV1*ap01

480 sequences assigned
474 (98.8%) exact matches, in which:
467 unique CDR3
13 unique J



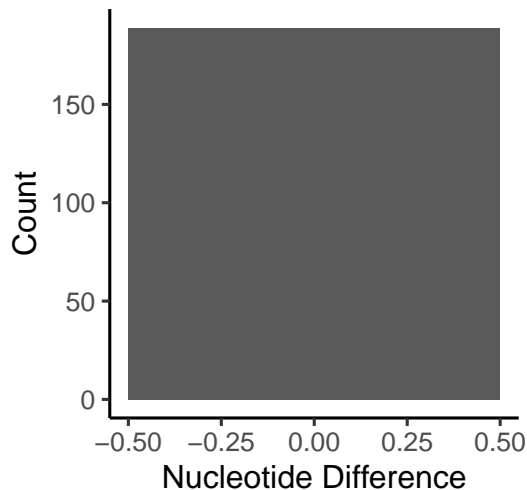
TRBV15*ap02

4127 sequences assigned
4083 (98.9%) exact matches, in which:
4050 unique CDR3
13 unique J



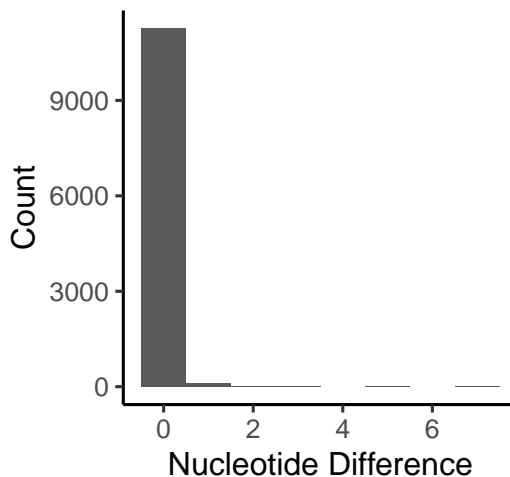
TRBV16*ap01

189 sequences assigned
189 (100%) exact matches, in which:
189 unique CDR3
12 unique J



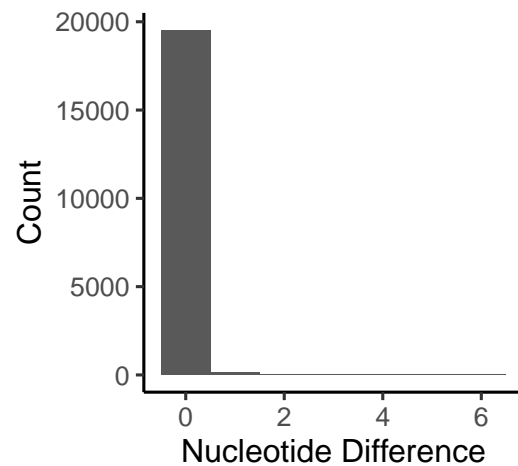
TRBV2*ap01

11386 sequences assigned
11263 (98.9%) exact matches, in which:
11190 unique CDR3
13 unique J



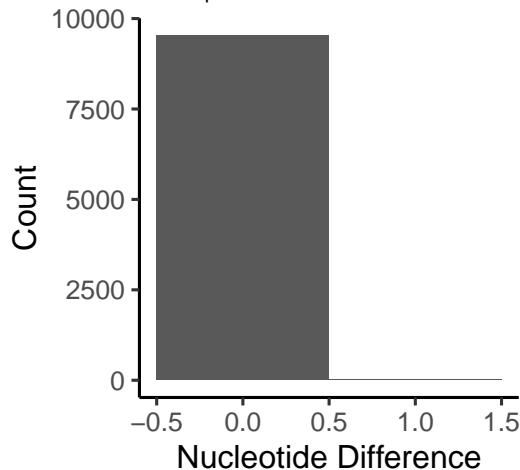
TRBV28*ap01

19668 sequences assigned
19525 (99.3%) exact matches, in which:
19385 unique CDR3
13 unique J



TRBV18*ap01

9556 sequences assigned
9533 (99.8%) exact matches, in which:
9494 unique CDR3
13 unique J



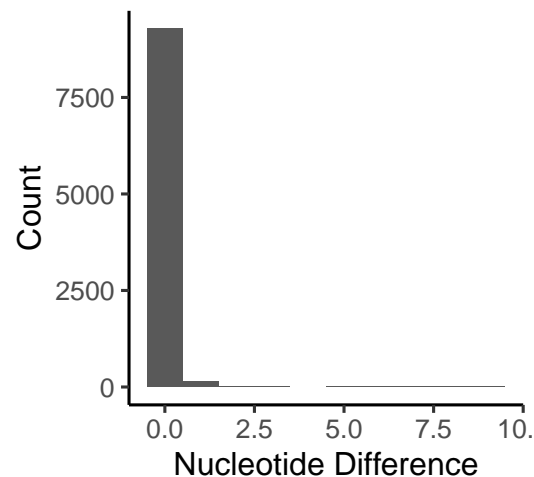
TRBV26*ap01

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



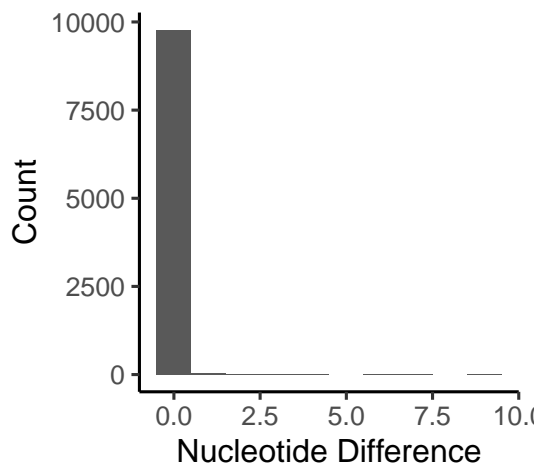
TRBV30*ap01

9434 sequences assigned
9280 (98.4%) exact matches, in which:
9204 unique CDR3
13 unique J



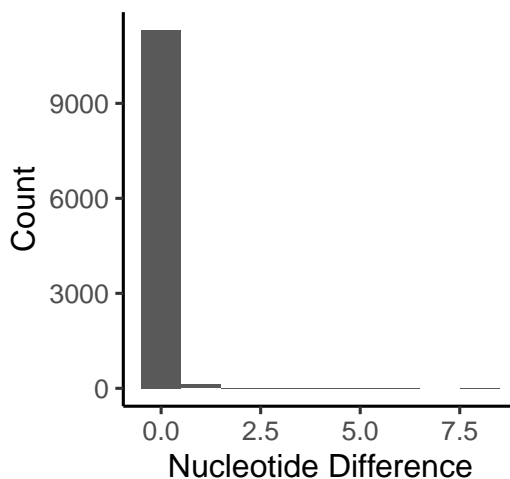
TRBV19*ap01

9844 sequences assigned
9778 (99.3%) exact matches, in which:
9754 unique CDR3
13 unique J



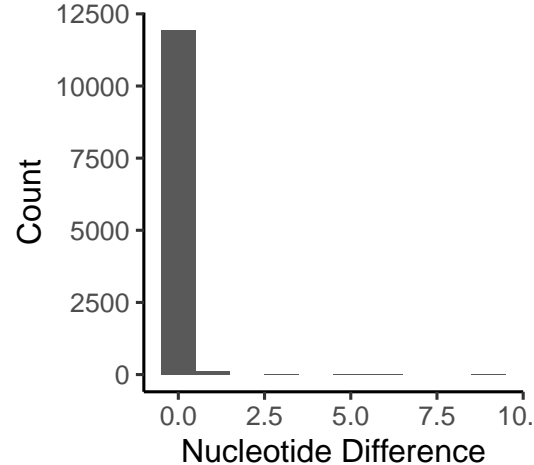
TRBV27*ap01

11453 sequences assigned
11315 (98.8%) exact matches, in which:
11198 unique CDR3
13 unique J



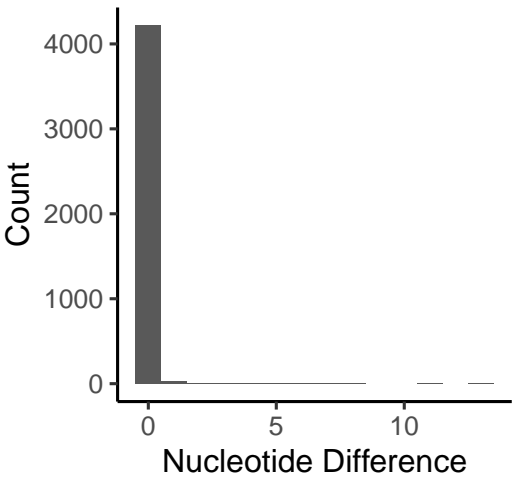
TRBV9*ap01

12066 sequences assigned
11948 (99%) exact matches, in which:
11839 unique CDR3
13 unique J



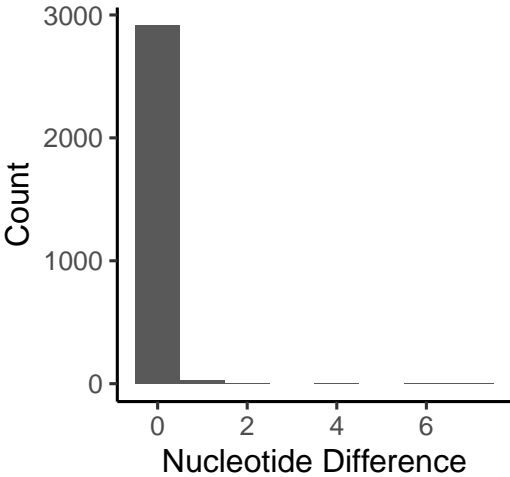
TRBV21-1*ap01

4280 sequences assigned
4218 (98.6%) exact matches, in which:
4207 unique CDR3
13 unique J



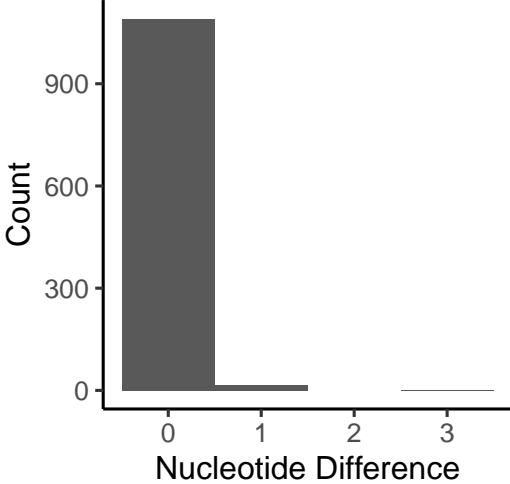
TRBV11-3*ap01

2949 sequences assigned
2915 (98.8%) exact matches, in which:
2894 unique CDR3
13 unique J



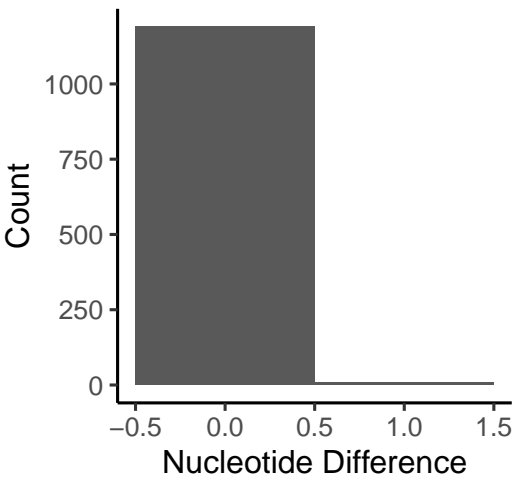
TRBV12-5*ap01

1107 sequences assigned
1091 (98.6%) exact matches, in which:
1082 unique CDR3
13 unique J



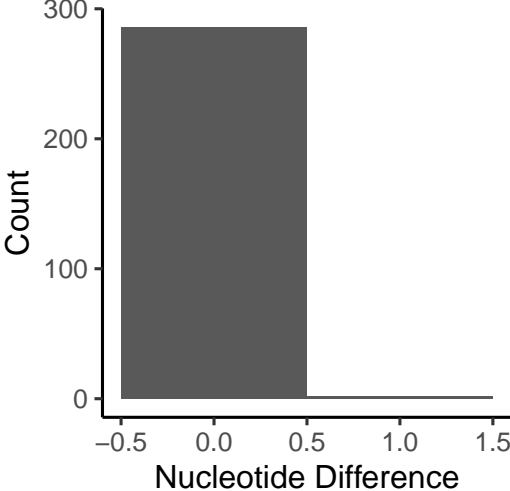
TRBV11-1*ap01

1197 sequences assigned
1190 (99.4%) exact matches, in which:
1181 unique CDR3
13 unique J



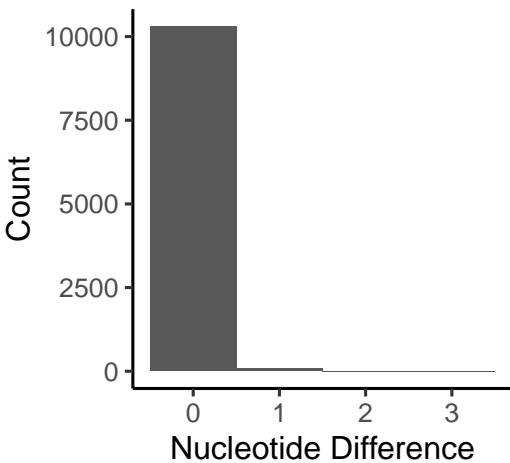
TRBV12-1*ap01

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



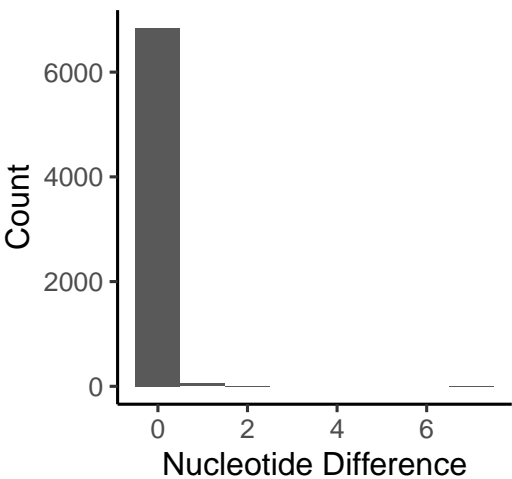
TRBV12-34*ap01

10382 sequences assigned
10302 (99.2%) exact matches, in which:
10228 unique CDR3
13 unique J



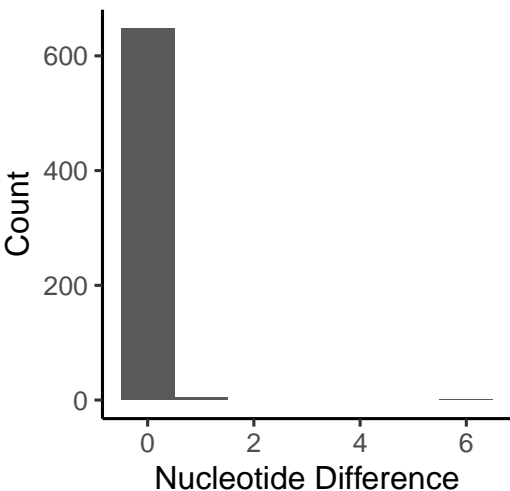
TRBV11-2*ap01

6896 sequences assigned
6842 (99.2%) exact matches, in which:
6773 unique CDR3
13 unique J



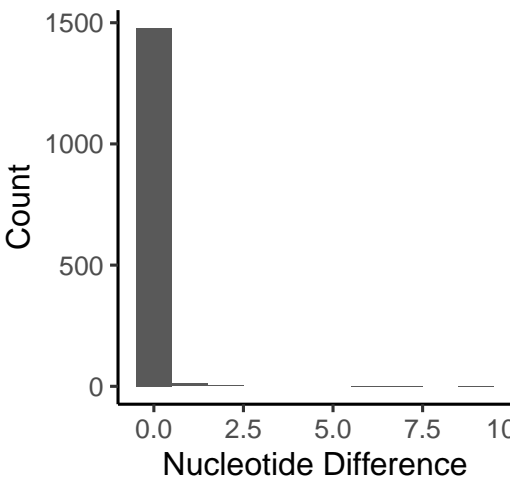
TRBV12-2*ap01

654 sequences assigned
648 (99.1%) exact matches, in which:
641 unique CDR3
13 unique J



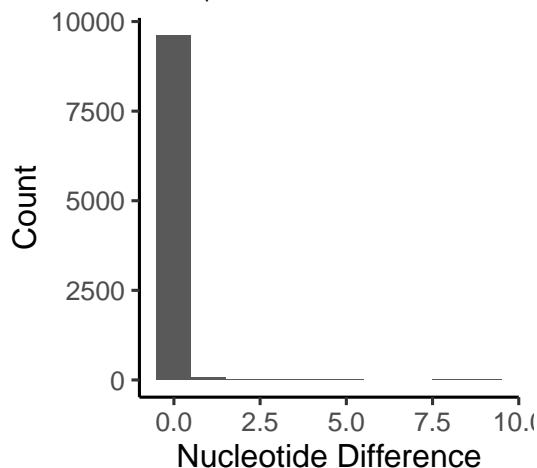
TRBV23-1*ap01

1497 sequences assigned
1478 (98.7%) exact matches, in which:
1467 unique CDR3
13 unique J



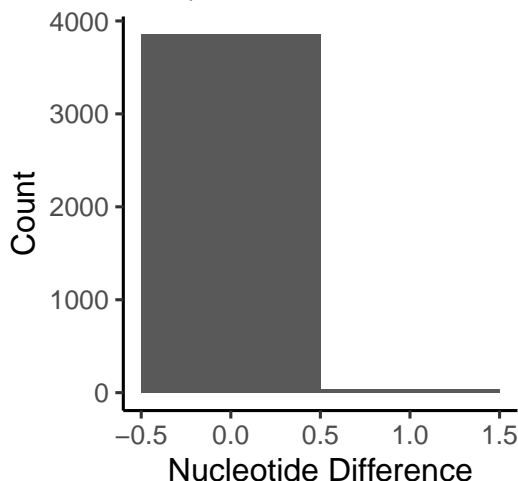
TRBV3-12*ap01

9698 sequences assigned
9620 (99.2%) exact matches, in which:
9546 unique CDR3
14 unique J



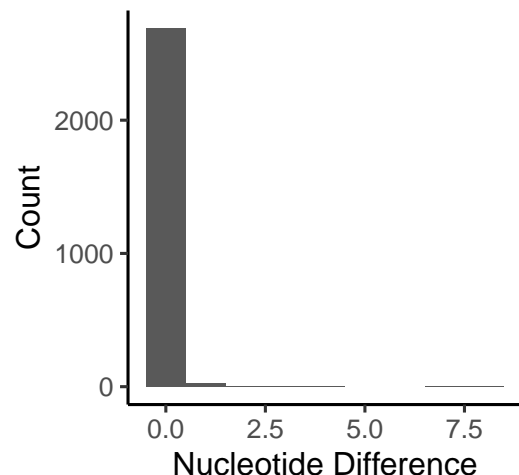
TRBV4-2*ap01

3896 sequences assigned
3855 (98.9%) exact matches, in which:
3822 unique CDR3
13 unique J



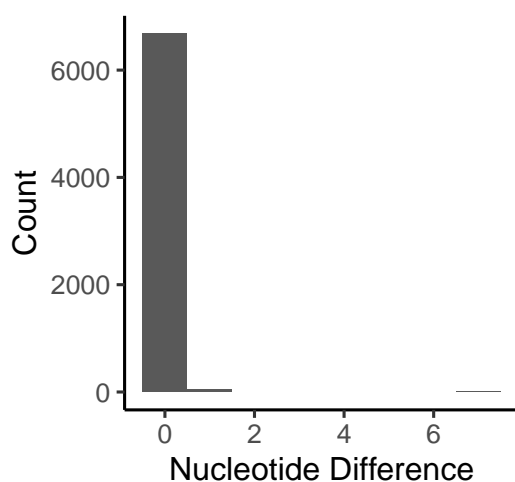
TRBV25-1*ap01

2723 sequences assigned
2689 (98.8%) exact matches, in which:
2666 unique CDR3
13 unique J



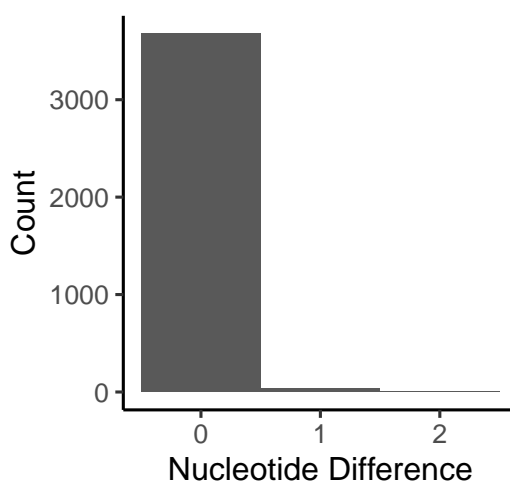
TRBV4-1*ap01

6731 sequences assigned
6678 (99.2%) exact matches, in which:
6615 unique CDR3
13 unique J



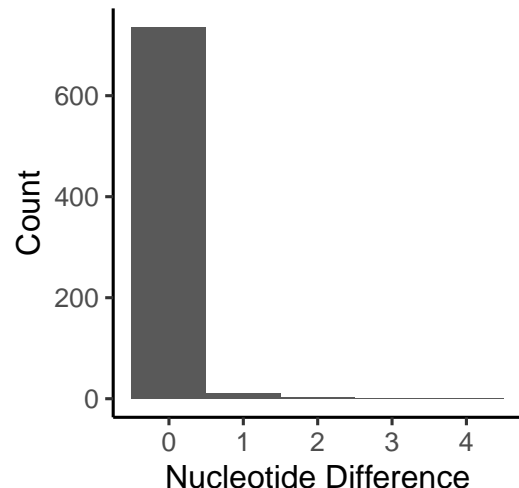
TRBV4-3*ap01

3711 sequences assigned
3677 (99.1%) exact matches, in which:
3638 unique CDR3
13 unique J



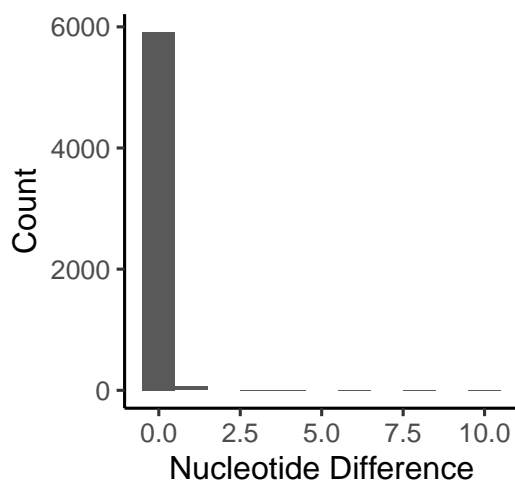
TRBV5-3*ap01

750 sequences assigned
736 (98.1%) exact matches, in which:
730 unique CDR3
13 unique J



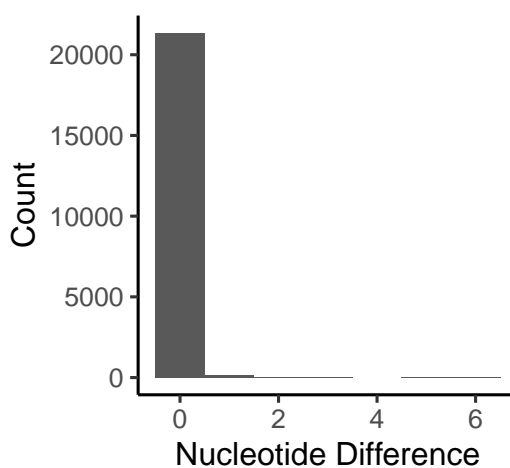
TRBV24-1*ap01

5984 sequences assigned
5914 (98.8%) exact matches, in which:
5879 unique CDR3
13 unique J



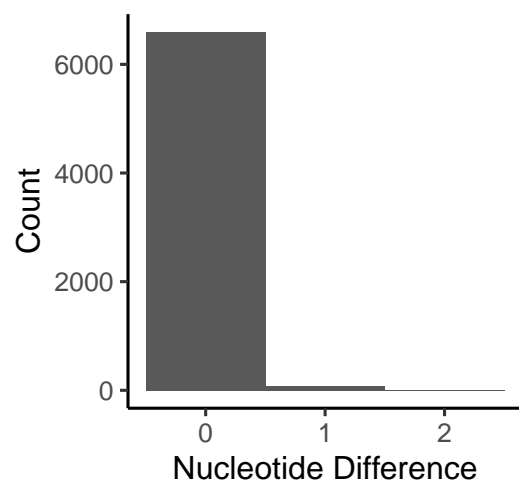
TRBV5-1*ap01

21539 sequences assigned
21360 (99.2%) exact matches, in which:
21138 unique CDR3
13 unique J



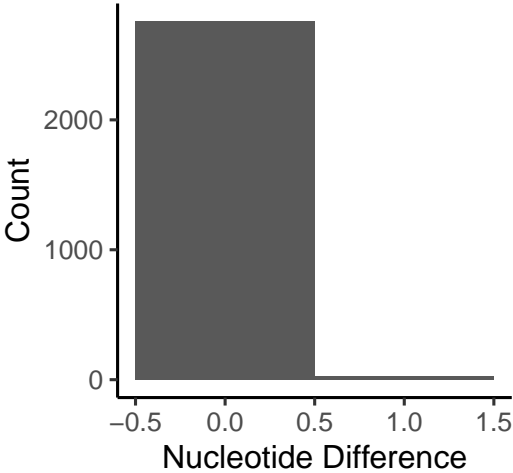
TRBV5-4*ap01

6677 sequences assigned
6595 (98.8%) exact matches, in which:
6518 unique CDR3
13 unique J



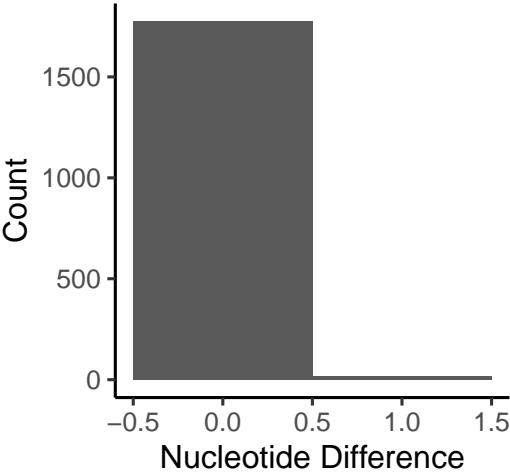
TRBV5-5*ap01

2787 sequences assigned
2758 (99%) exact matches, in which:
2743 unique CDR3
13 unique J



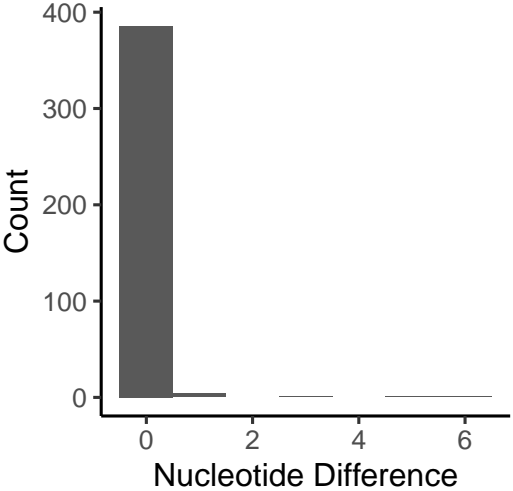
TRBV5-8*ap01

1792 sequences assigned
1775 (99.1%) exact matches, in which:
1765 unique CDR3
13 unique J



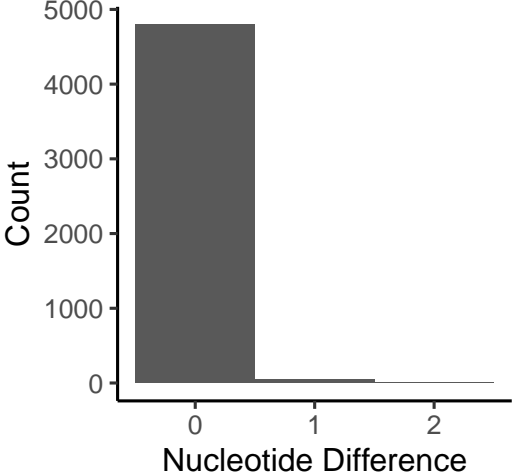
TRBV6-7*ap01

393 sequences assigned
386 (98.2%) exact matches, in which:
383 unique CDR3
13 unique J



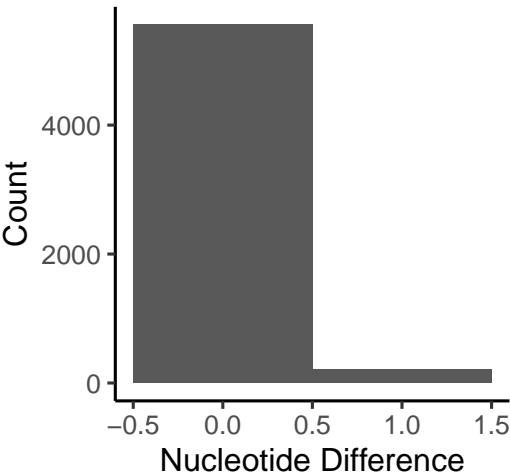
TRBV5-6*ap01

4848 sequences assigned
4795 (98.9%) exact matches, in which:
4751 unique CDR3
13 unique J



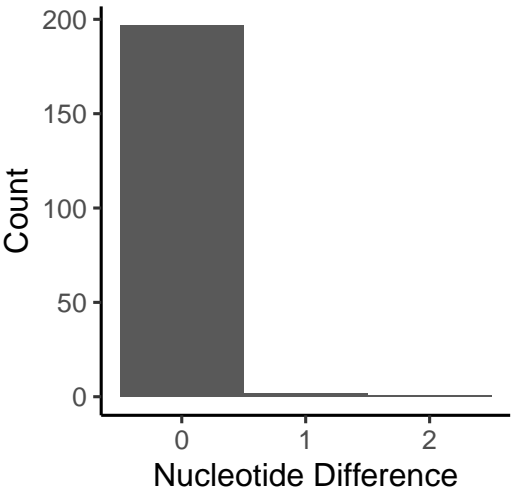
TRBV6-1*ap01

5767 sequences assigned
5557 (96.4%) exact matches, in which:
5491 unique CDR3
13 unique J



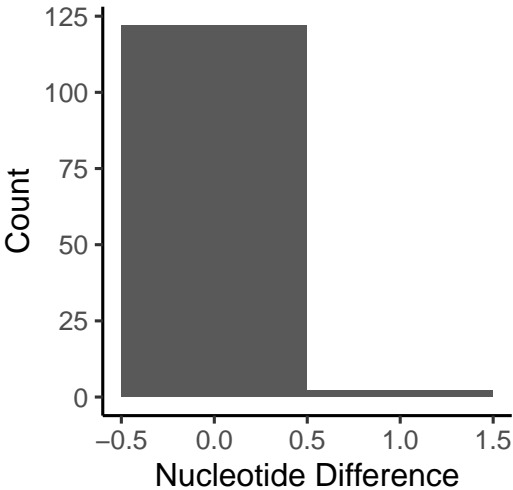
TRBV6-8*ap01

200 sequences assigned
197 (98.5%) exact matches, in which:
196 unique CDR3
13 unique J



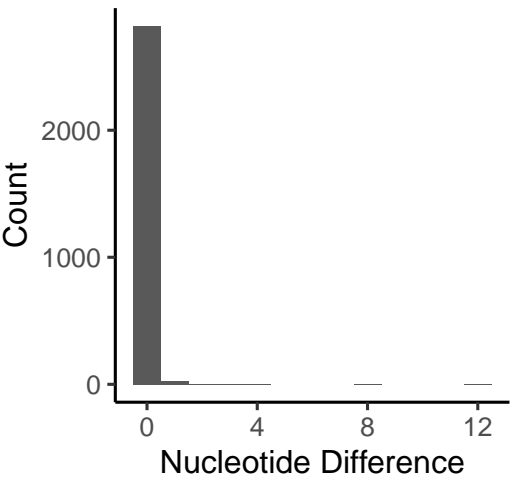
TRBV5-7*ap01

124 sequences assigned
122 (98.4%) exact matches, in which:
121 unique CDR3
13 unique J



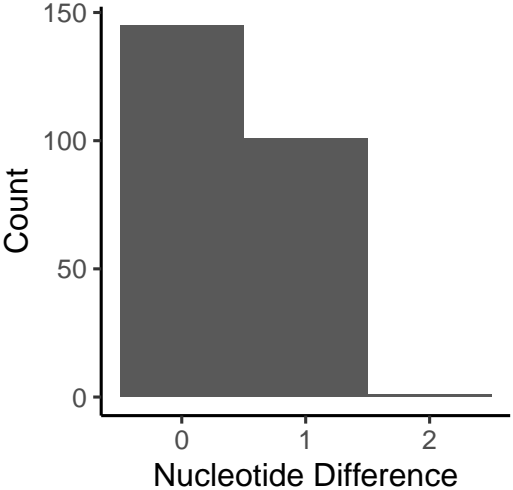
TRBV6-4*ap01

2855 sequences assigned
2820 (98.8%) exact matches, in which:
2803 unique CDR3
13 unique J



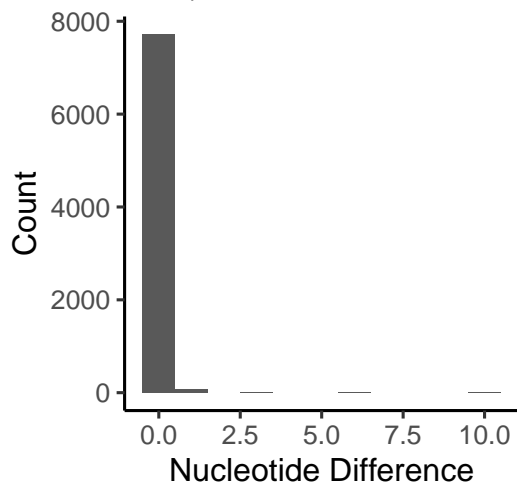
TRBV6-9*ap01

247 sequences assigned
145 (58.7%) exact matches, in which:
143 unique CDR3
13 unique J



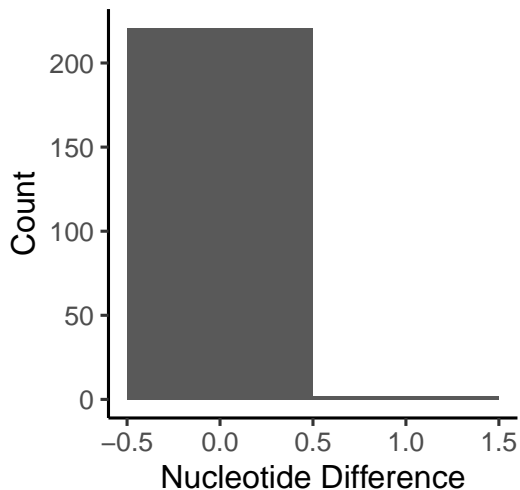
TRBV6-23*ap01

7793 sequences assigned
7717 (99%) exact matches, in which:
7648 unique CDR3
13 unique J



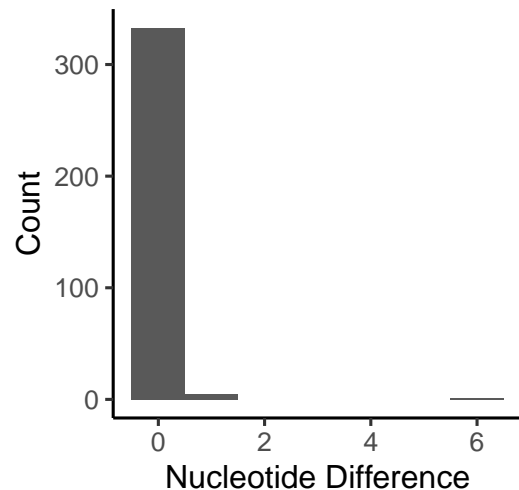
TRBV7-1*ap01_G291C_

223 sequences assigned
221 (99.1%) exact matches, in which:
220 unique CDR3
13 unique J



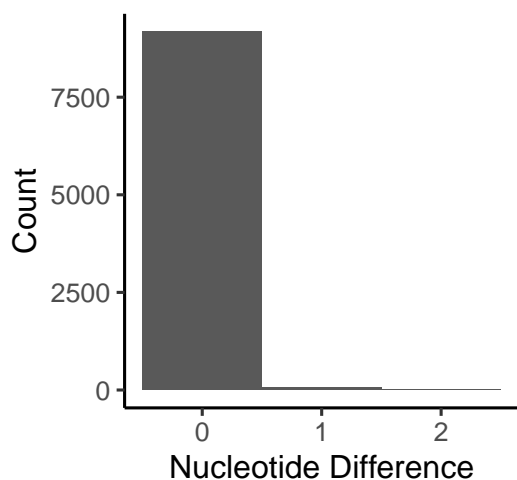
TRBV7-4*ap01

339 sequences assigned
333 (98.2%) exact matches, in which:
328 unique CDR3
13 unique J



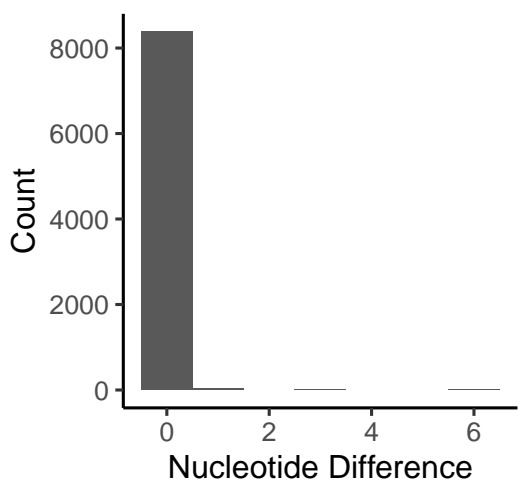
TRBV6-56*ap01

9251 sequences assigned
9177 (99.2%) exact matches, in which:
9101 unique CDR3
13 unique J



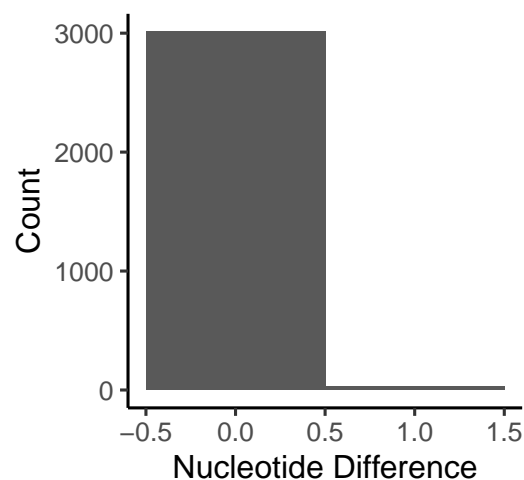
TRBV7-2*ap01

8426 sequences assigned
8382 (99.5%) exact matches, in which:
8342 unique CDR3
13 unique J



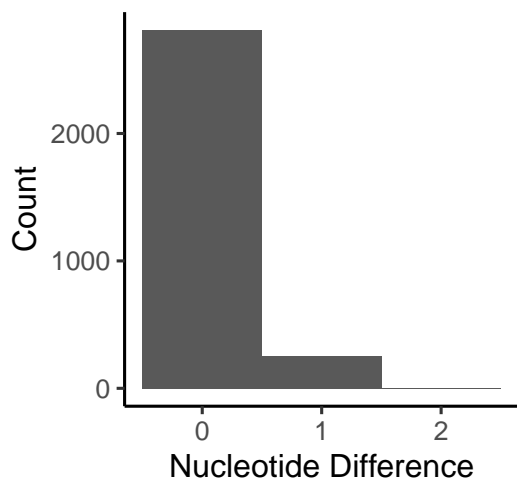
TRBV7-6*ap01

3041 sequences assigned
3012 (99%) exact matches, in which:
2986 unique CDR3
13 unique J



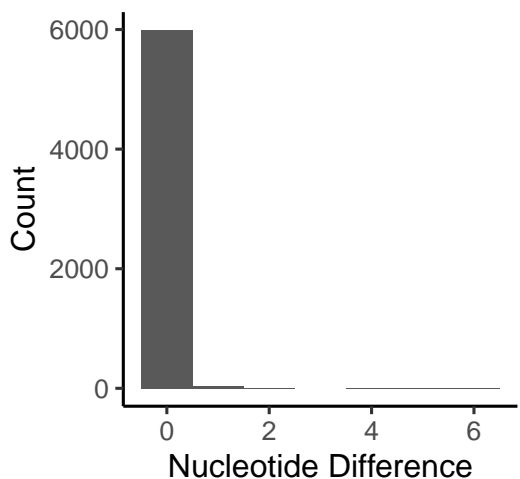
TRBV6-56*ap02

3068 sequences assigned
2812 (91.7%) exact matches, in which:
2784 unique CDR3
13 unique J



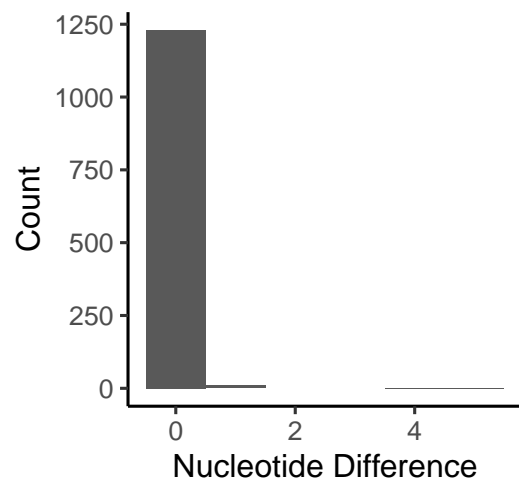
TRBV7-3*ap01

6036 sequences assigned
5991 (99.3%) exact matches, in which:
5940 unique CDR3
13 unique J



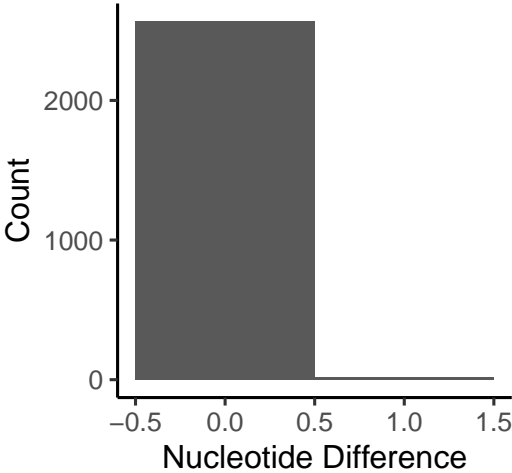
TRBV7-7*ap01_C315T

1242 sequences assigned
1230 (99%) exact matches, in which:
1219 unique CDR3
13 unique J



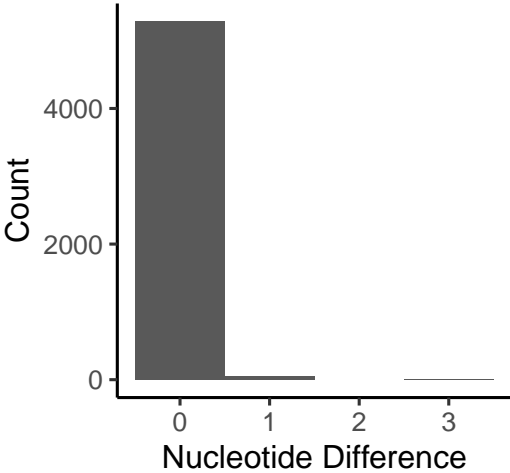
TRBV7-8*ap01

2585 sequences assigned
2566 (99.3%) exact matches, in which:
2545 unique CDR3
13 unique J



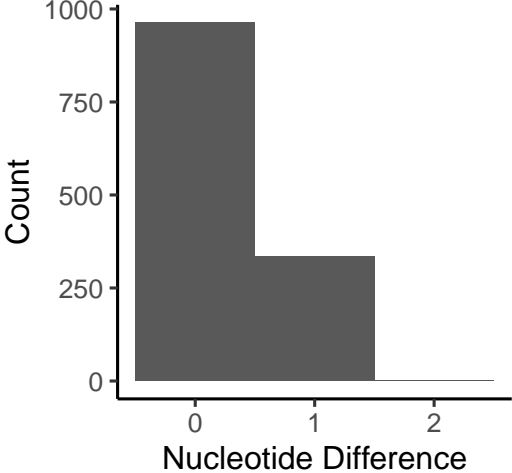
TRBV29-1*ap01

5331 sequences assigned
5284 (99.1%) exact matches, in which:
5240 unique CDR3
13 unique J



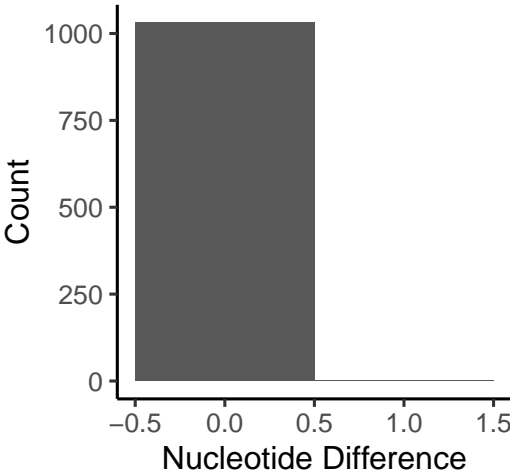
TRBV7-8*ap03

1298 sequences assigned
963 (74.2%) exact matches, in which:
949 unique CDR3
13 unique J



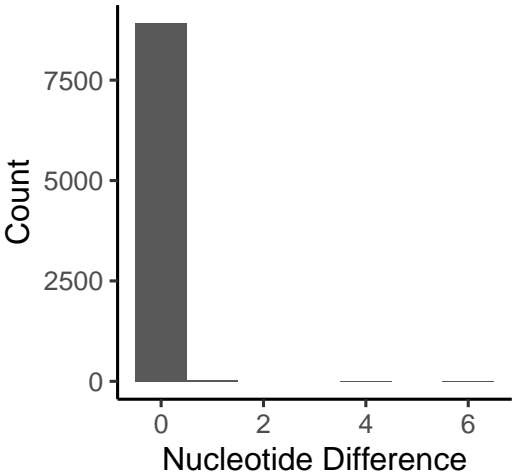
TRBV29-1*ap02

1032 sequences assigned
1031 (99.9%) exact matches, in which:
1025 unique CDR3
13 unique J

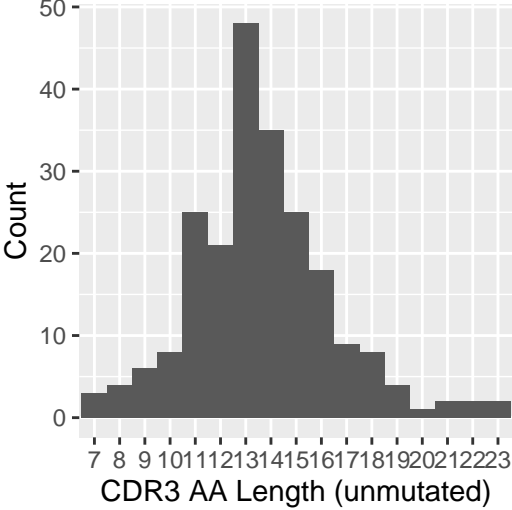


TRBV7-9*ap01

8958 sequences assigned
8922 (99.6%) exact matches, in which:
8892 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

