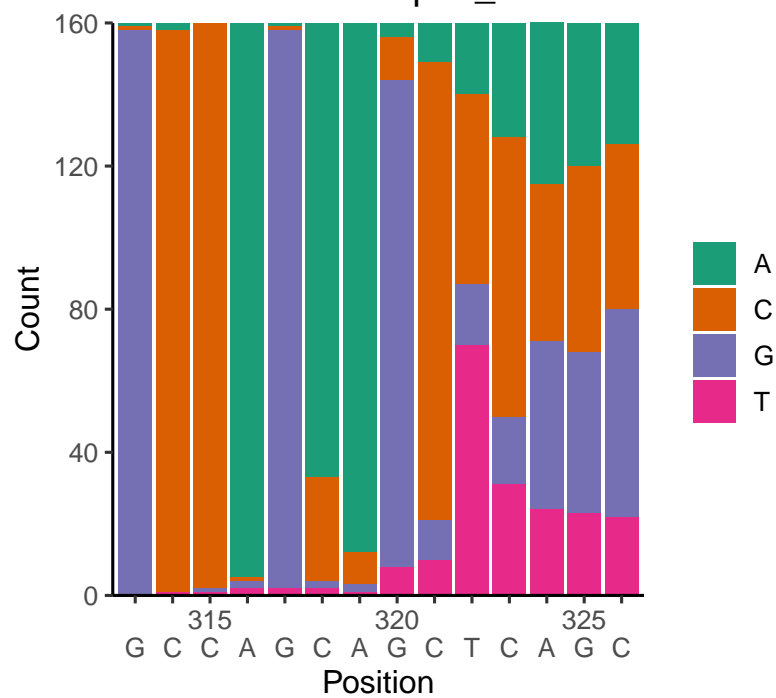
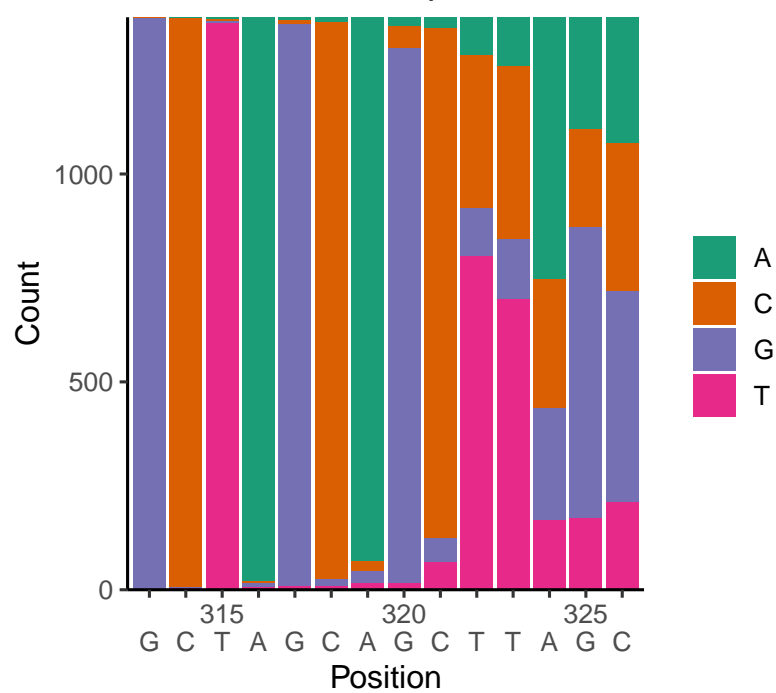


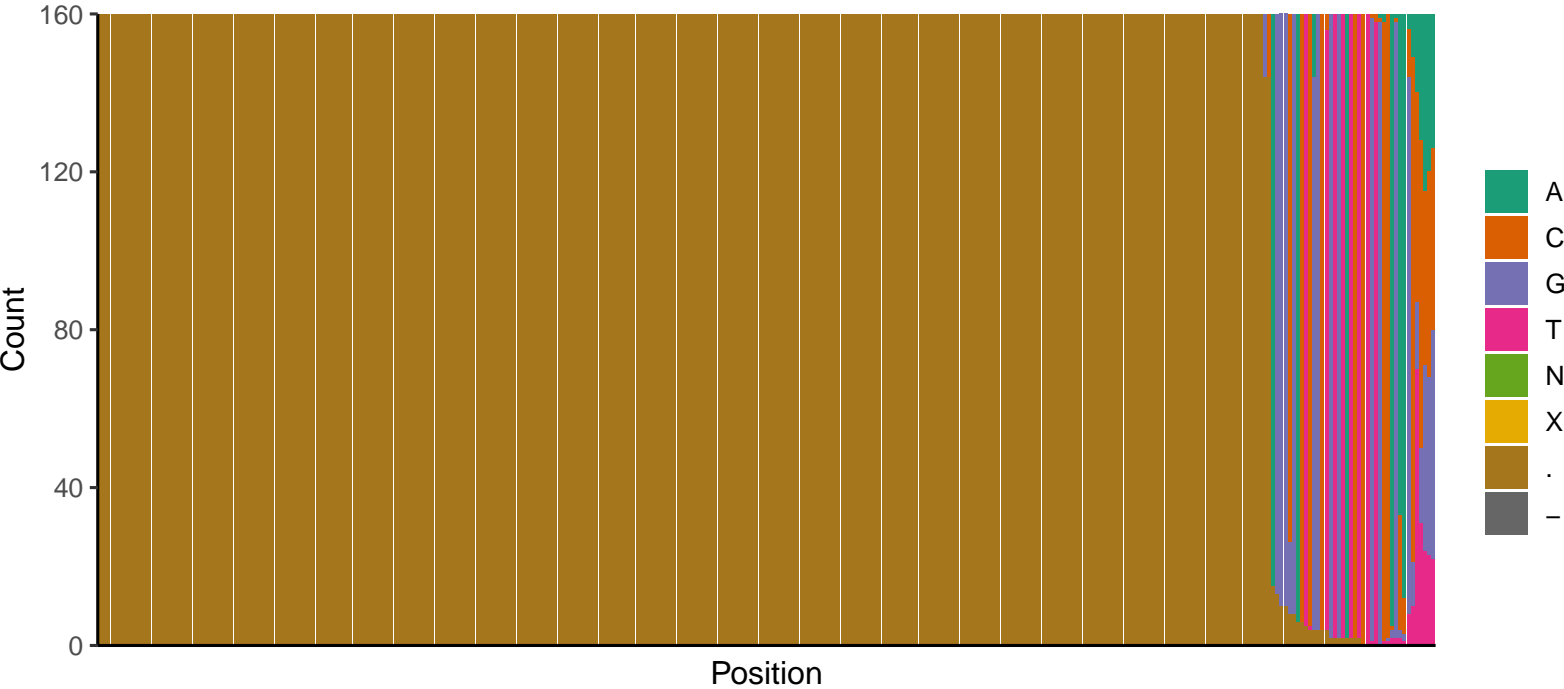
Gene TRBV7-1*ap01_T296C



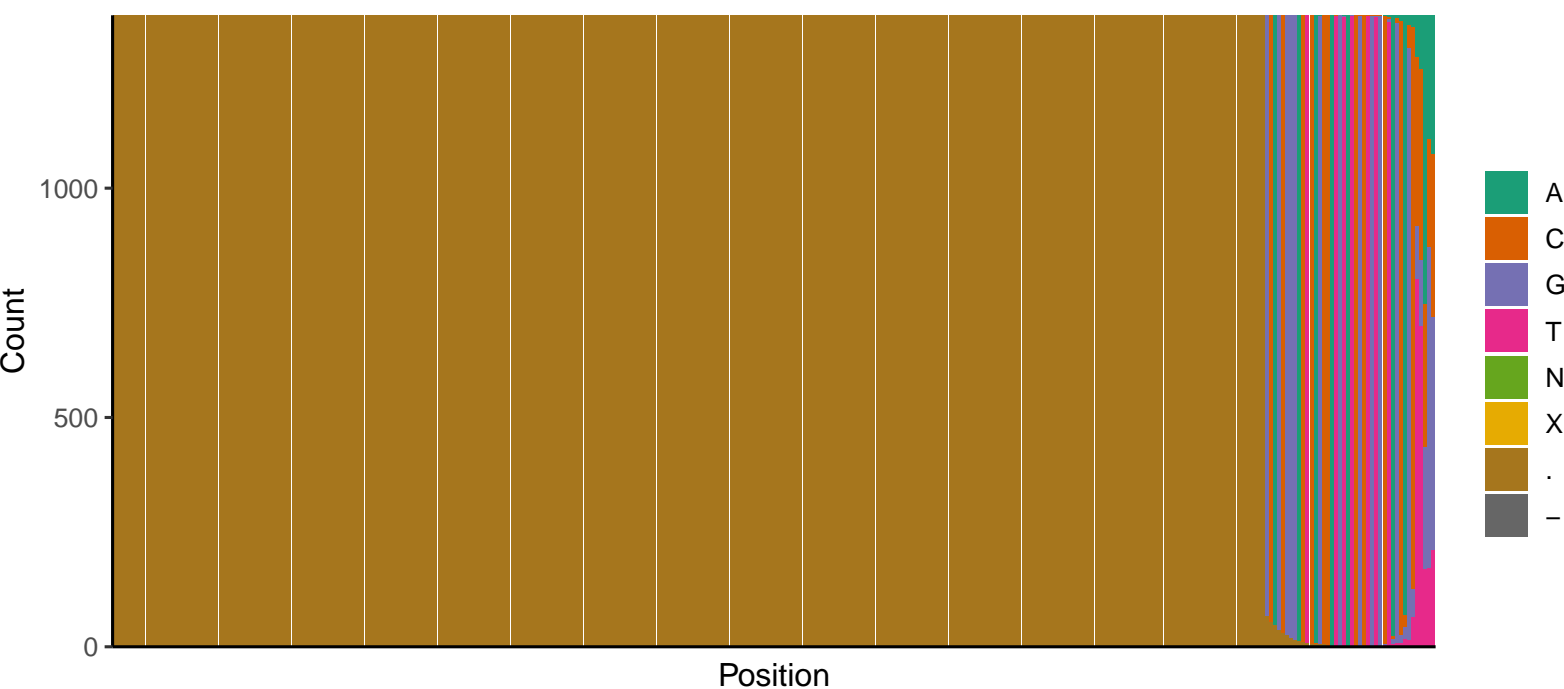
Gene TRBV7-7*ap01_C315T



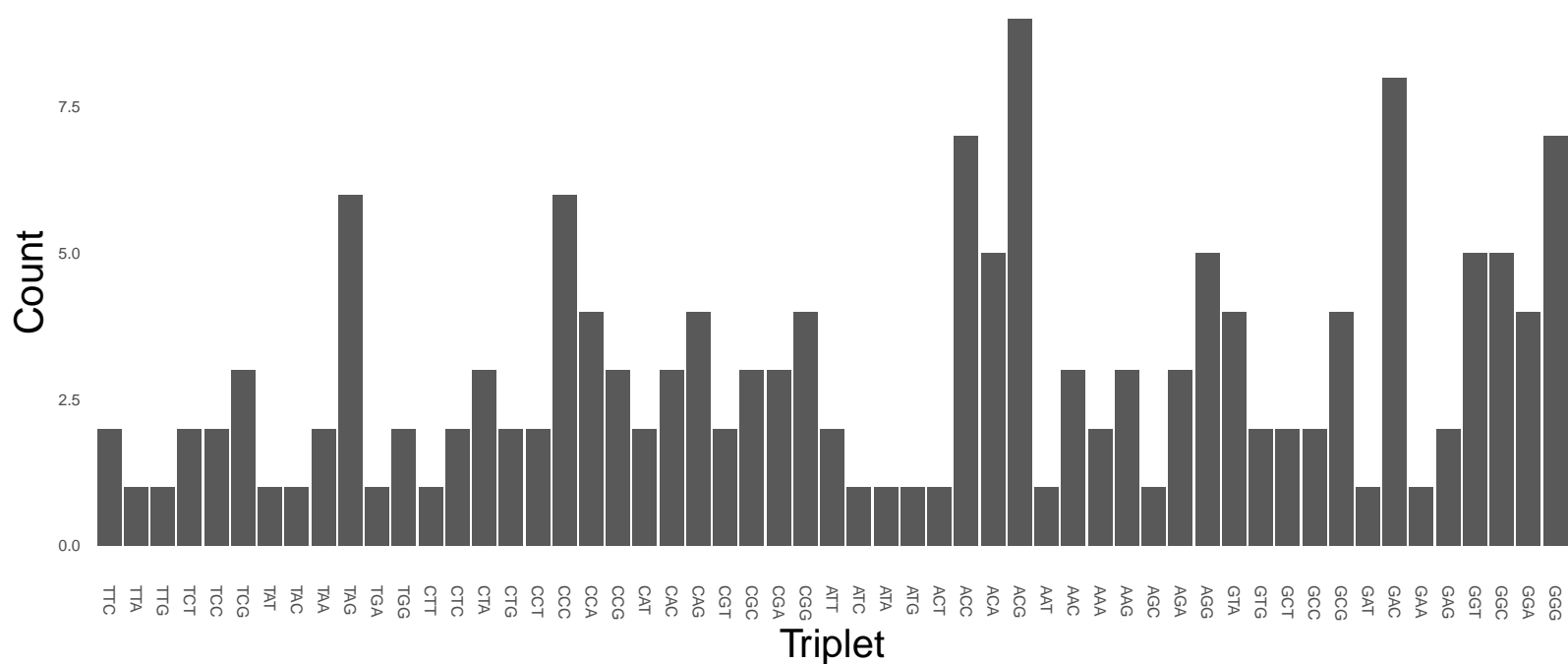
Gene TRBV7-1*ap01_T296C



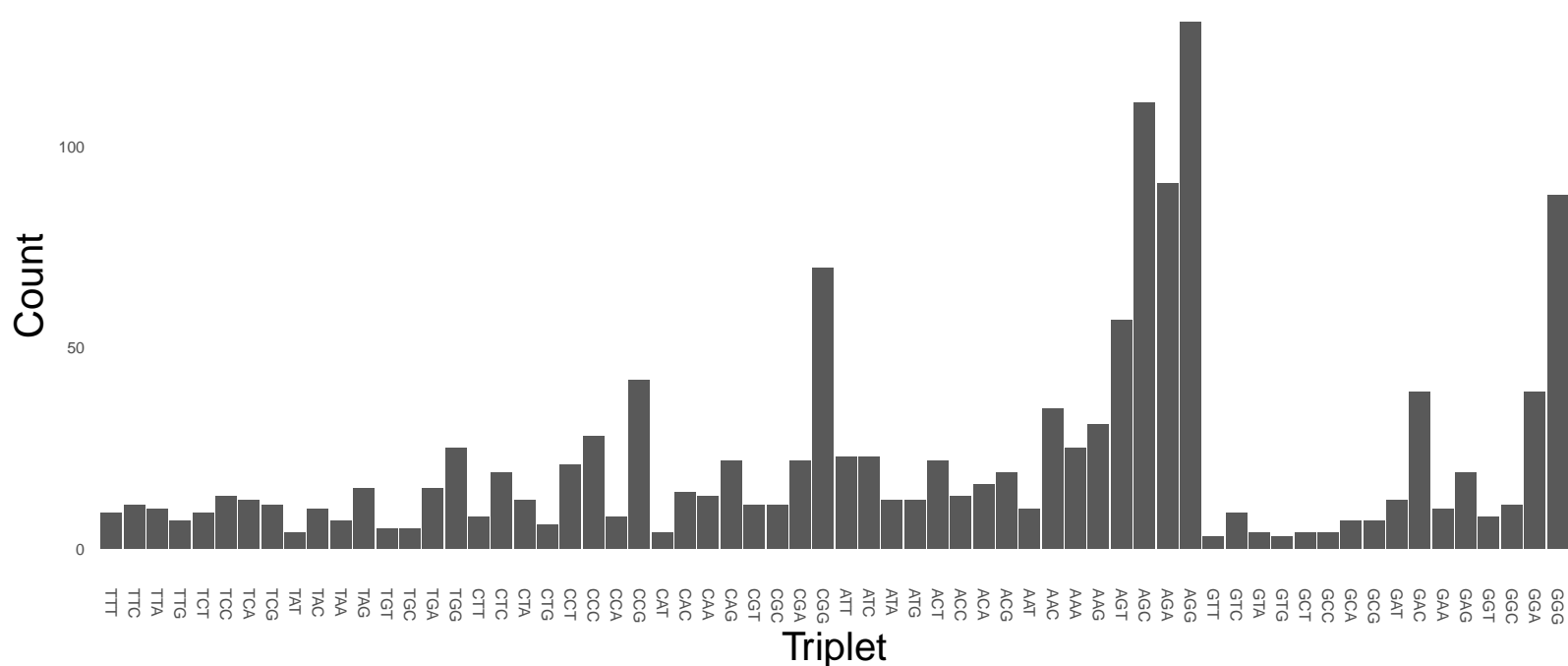
Gene TRBV7-7*ap01_C315T



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

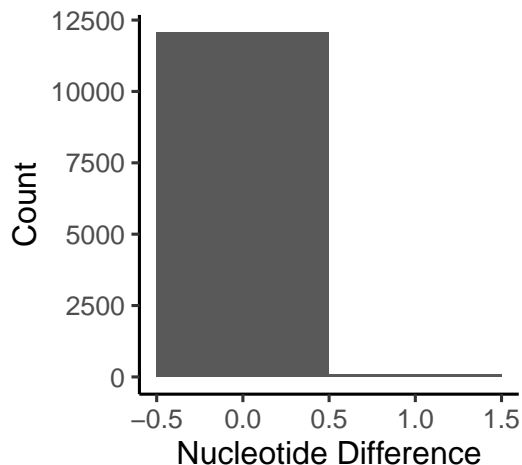


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



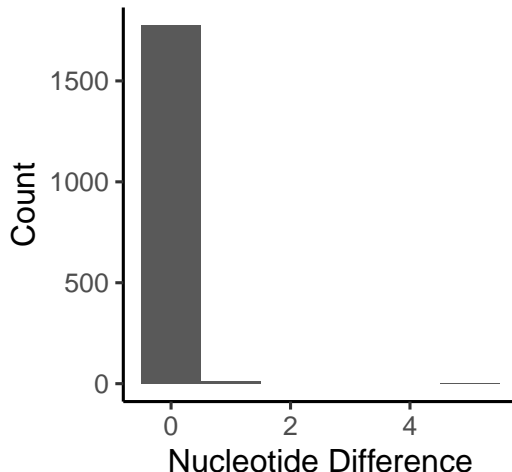
TRBV20-1*ap01

12175 sequences assigned
12077 (99.2%) exact matches, in which:
12005 unique CDR3
14 unique J



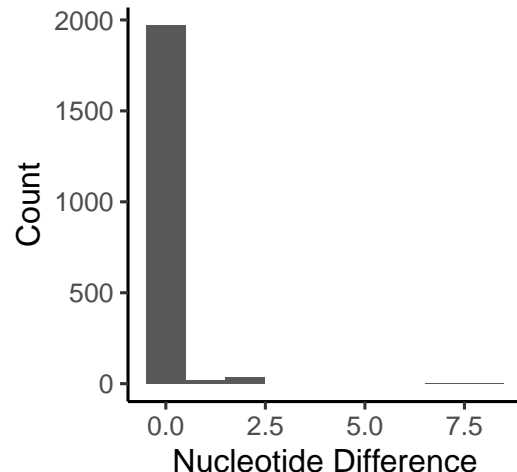
TRBV10-2*ap01

1789 sequences assigned
1775 (99.2%) exact matches, in which:
1761 unique CDR3
13 unique J



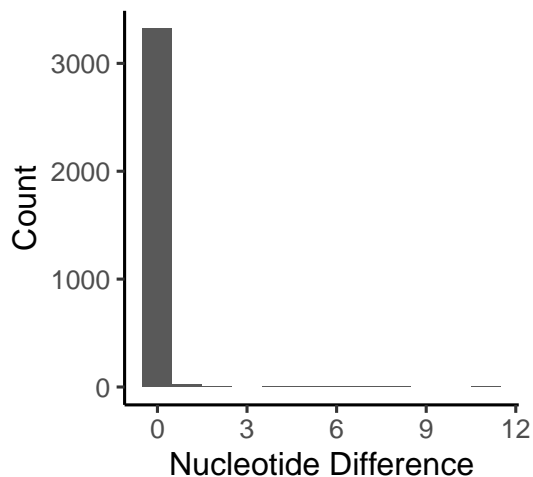
TRBV13*ap01

2028 sequences assigned
1970 (97.1%) exact matches, in which:
1948 unique CDR3
13 unique J



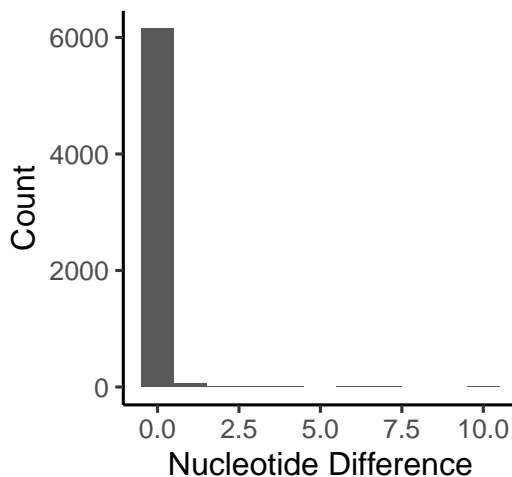
TRBV10-1*ap01

3354 sequences assigned
3321 (99%) exact matches, in which:
3298 unique CDR3
13 unique J



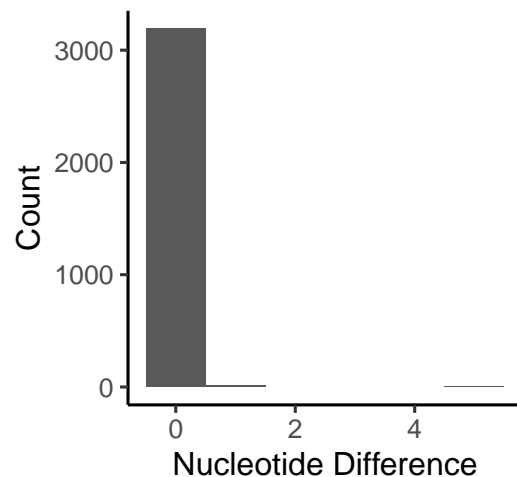
TRBV10-3*ap01

6215 sequences assigned
6150 (99%) exact matches, in which:
6105 unique CDR3
13 unique J



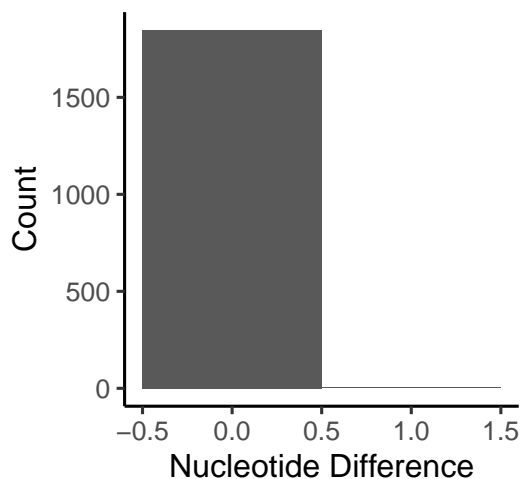
TRBV14*ap01

3203 sequences assigned
3191 (99.6%) exact matches, in which:
3179 unique CDR3
13 unique J



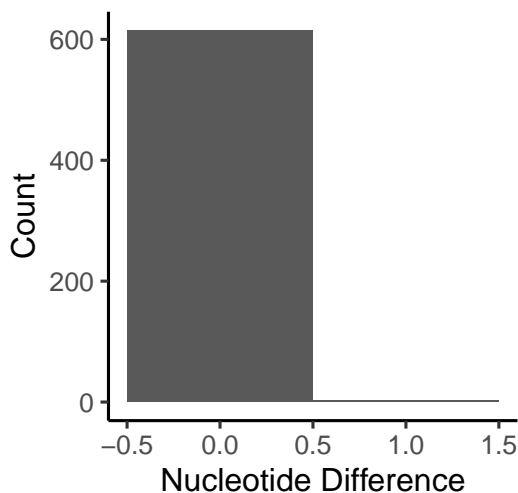
TRBV20-1*ap02

1852 sequences assigned
1847 (99.7%) exact matches, in which:
1837 unique CDR3
13 unique J



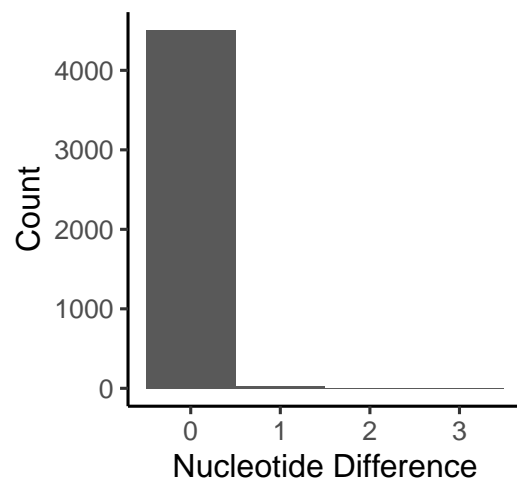
TRBV1*ap01

617 sequences assigned
615 (99.7%) exact matches, in which:
611 unique CDR3
13 unique J



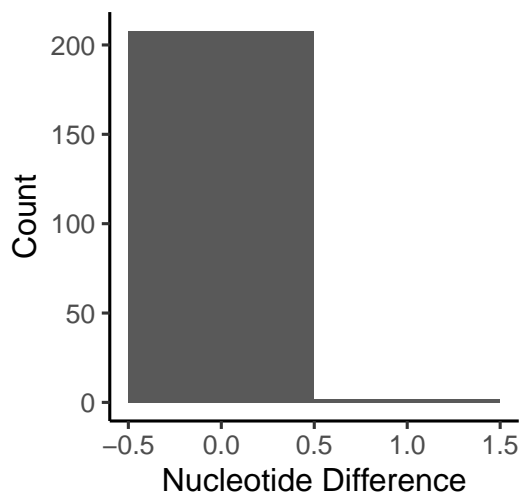
TRBV15*ap02

4542 sequences assigned
4507 (99.2%) exact matches, in which:
4461 unique CDR3
13 unique J



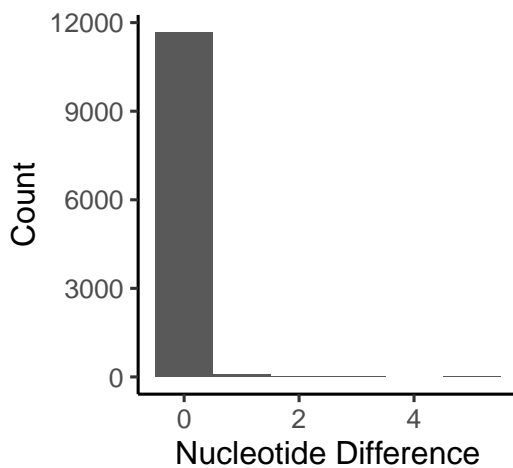
TRBV16*ap01

210 sequences assigned
208 (99%) exact matches, in which:
208 unique CDR3
13 unique J



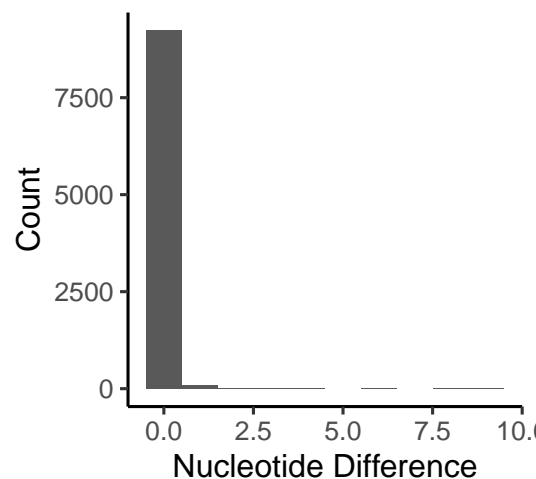
TRBV2*ap01

11777 sequences assigned
11677 (99.2%) exact matches, in which:
11614 unique CDR3
13 unique J



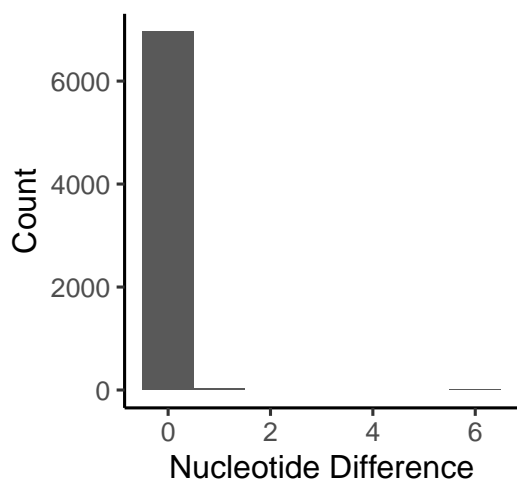
TRBV30*ap01

9347 sequences assigned
9233 (98.8%) exact matches, in which:
9171 unique CDR3
13 unique J



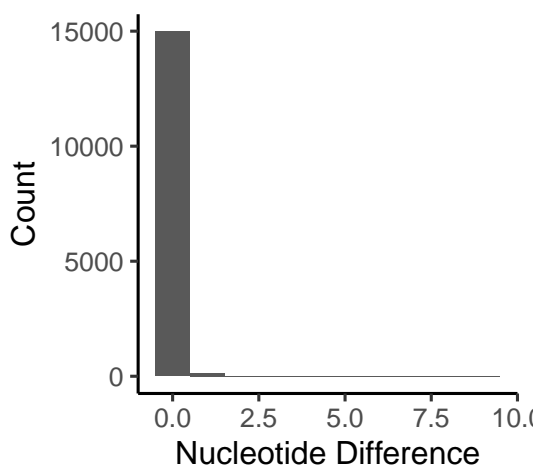
TRBV18*ap01

6980 sequences assigned
6959 (99.7%) exact matches, in which:
6939 unique CDR3
13 unique J



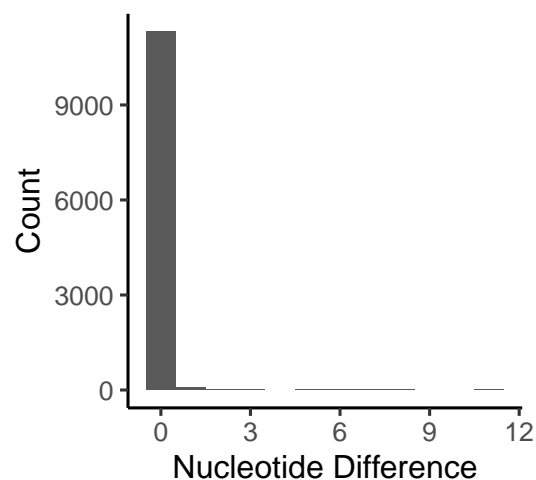
TRBV27*ap01

15152 sequences assigned
14986 (98.9%) exact matches, in which:
14856 unique CDR3
13 unique J



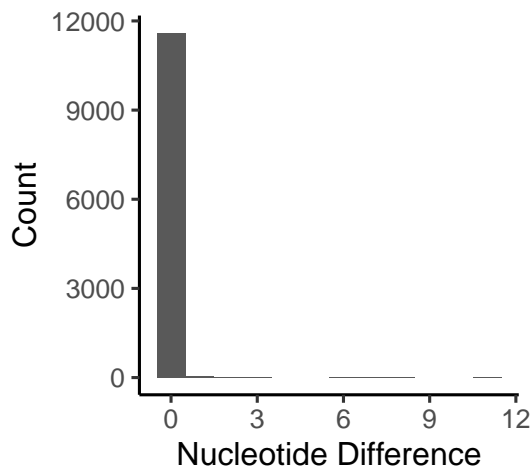
TRBV9*ap01

11407 sequences assigned
11312 (99.2%) exact matches, in which:
11225 unique CDR3
13 unique J



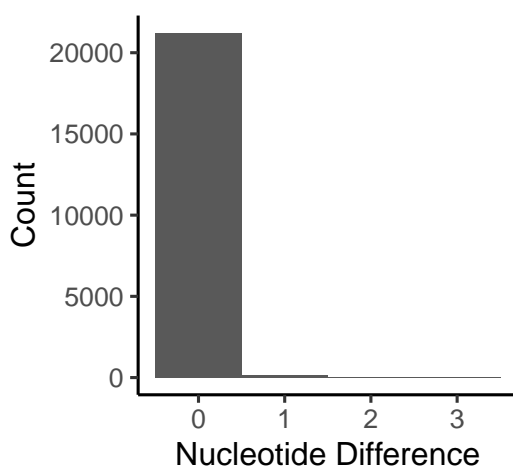
TRBV19*ap01

11678 sequences assigned
11601 (99.3%) exact matches, in which:
11582 unique CDR3
13 unique J



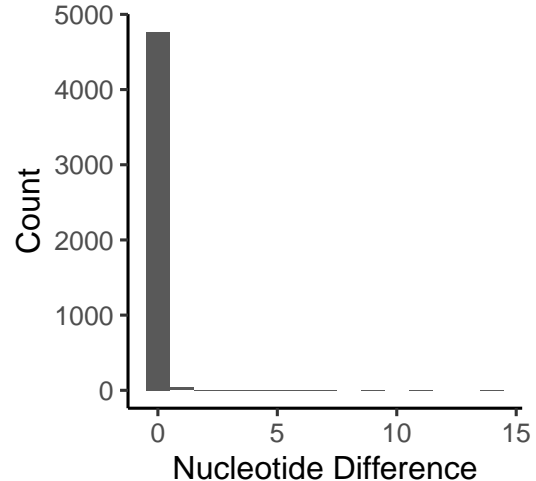
TRBV28*ap01

21367 sequences assigned
21226 (99.3%) exact matches, in which:
21069 unique CDR3
13 unique J



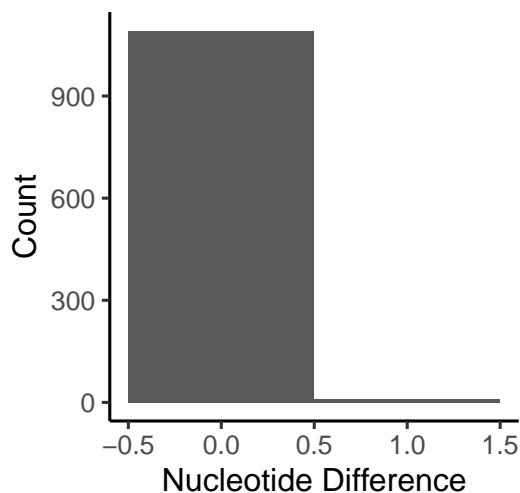
TRBV21-1*ap01

4823 sequences assigned
4765 (98.8%) exact matches, in which:
4742 unique CDR3
13 unique J



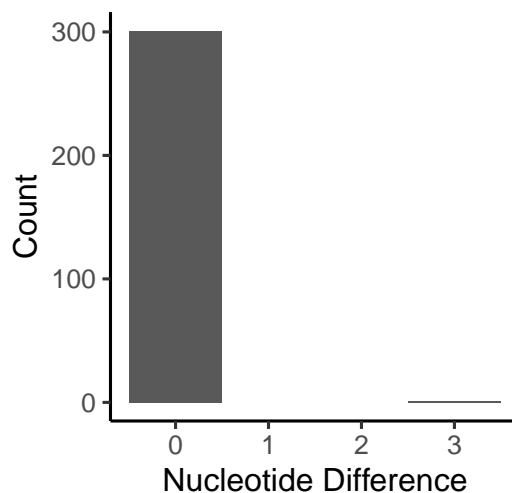
TRBV11-1*ap01

1101 sequences assigned
1092 (99.2%) exact matches, in which:
1080 unique CDR3
13 unique J



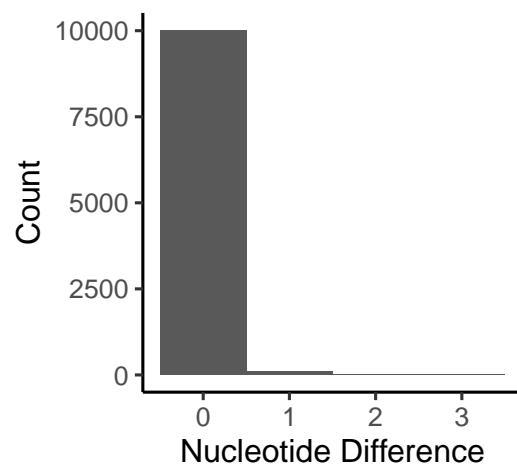
TRBV12-1*ap01

302 sequences assigned
301 (99.7%) exact matches, in which:
300 unique CDR3
12 unique J



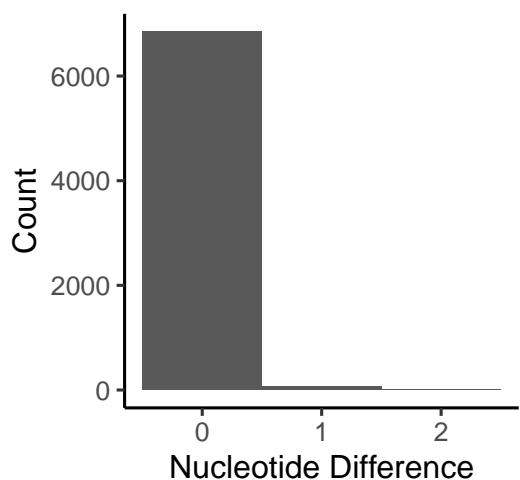
TRBV12-34*ap01

10111 sequences assigned
10016 (99.1%) exact matches, in which:
9931 unique CDR3
13 unique J



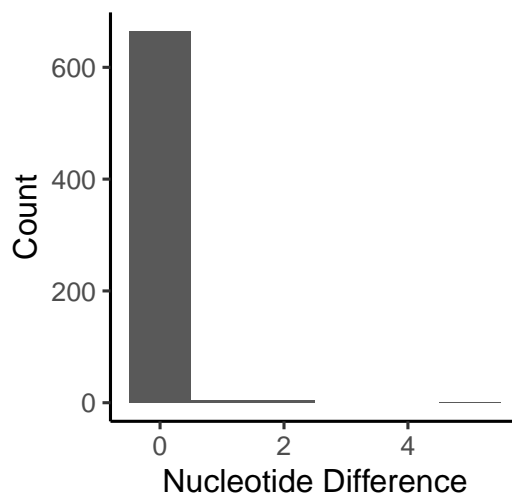
TRBV11-2*ap01

6906 sequences assigned
6847 (99.1%) exact matches, in which:
6783 unique CDR3
13 unique J



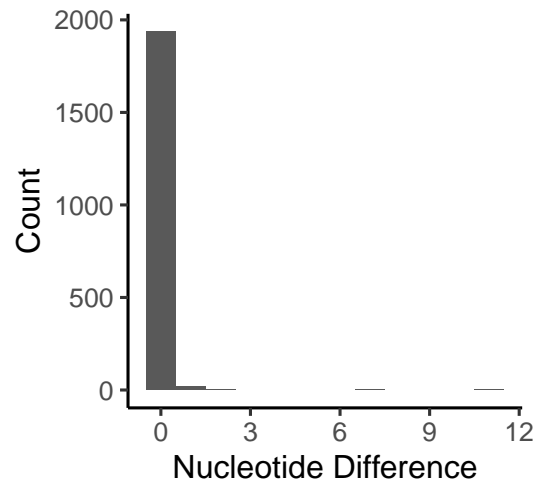
TRBV12-2*ap01

675 sequences assigned
665 (98.5%) exact matches, in which:
659 unique CDR3
13 unique J



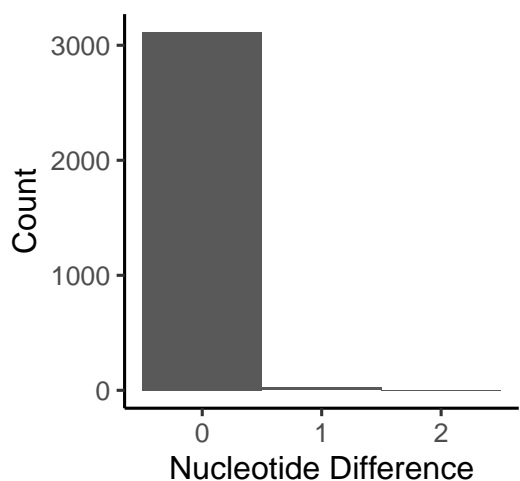
TRBV23-1*ap01

1958 sequences assigned
1936 (98.9%) exact matches, in which:
1929 unique CDR3
13 unique J



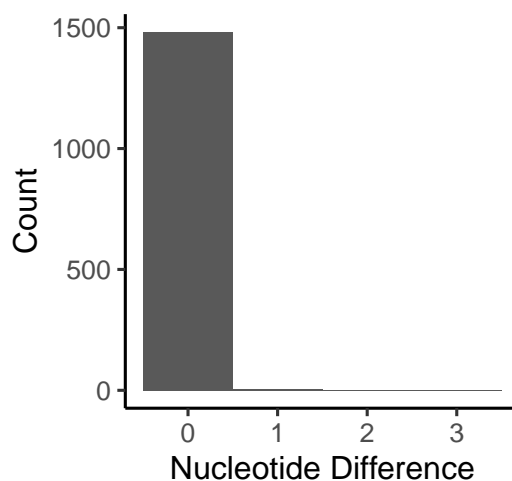
TRBV11-3*ap01

3141 sequences assigned
3115 (99.2%) exact matches, in which:
3091 unique CDR3
13 unique J



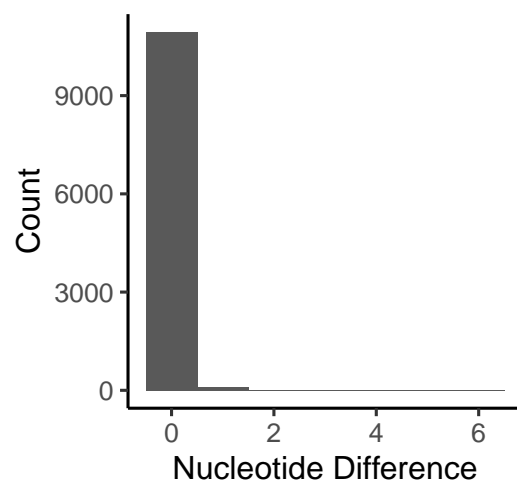
TRBV12-5*ap01

1491 sequences assigned
1482 (99.4%) exact matches, in which:
1468 unique CDR3
13 unique J



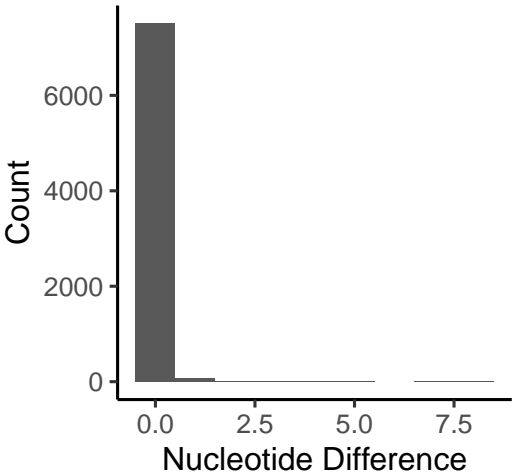
TRBV3-12*ap01

11062 sequences assigned
10942 (98.9%) exact matches, in which:
10844 unique CDR3
13 unique J



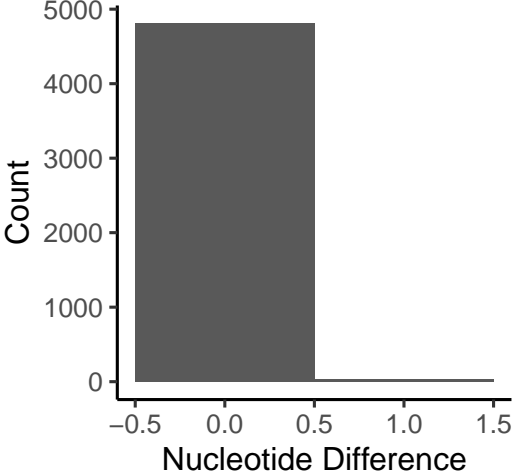
TRBV24-1*ap01

7595 sequences assigned
7508 (98.9%) exact matches, in which:
7472 unique CDR3
13 unique J



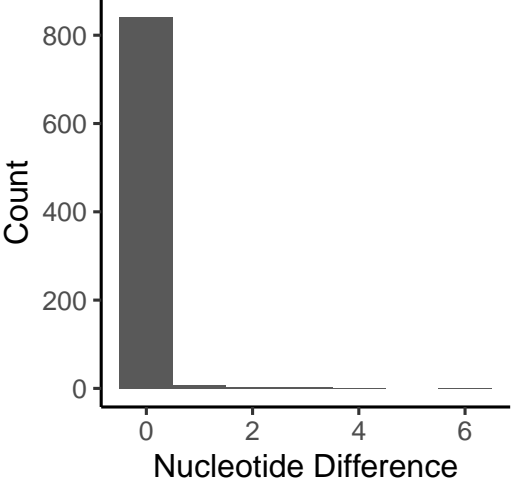
TRBV4-3*ap01

4845 sequences assigned
4809 (99.3%) exact matches, in which:
4777 unique CDR3
13 unique J



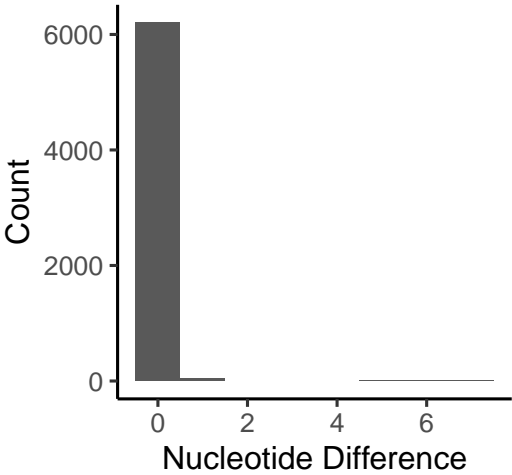
TRBV5-3*ap01

859 sequences assigned
842 (98%) exact matches, in which:
837 unique CDR3
13 unique J



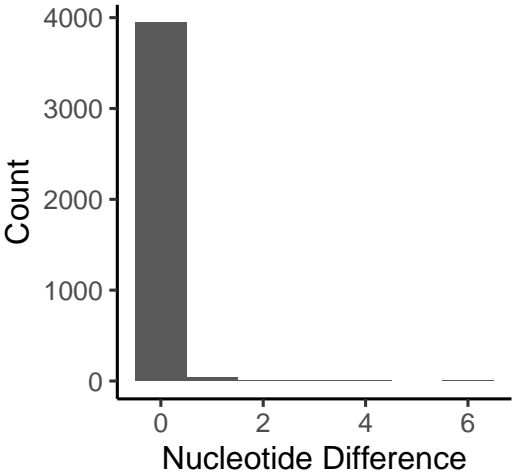
TRBV4-1*ap01

6246 sequences assigned
6203 (99.3%) exact matches, in which:
6156 unique CDR3
13 unique J



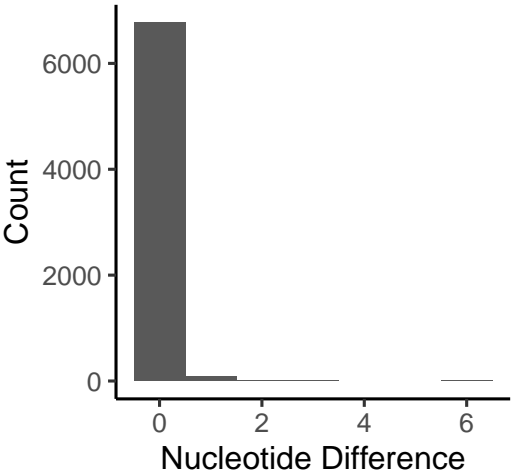
TRBV25-1*ap01

3984 sequences assigned
3944 (99%) exact matches, in which:
3925 unique CDR3
13 unique J



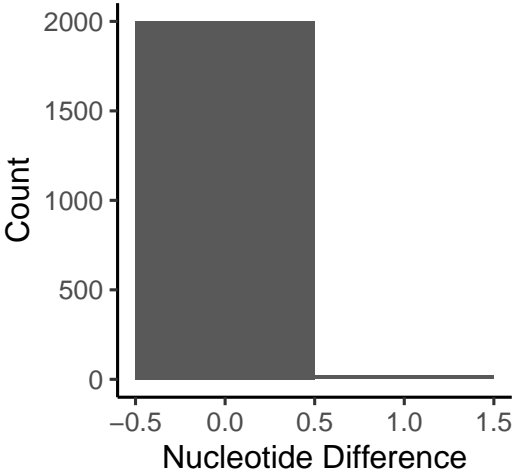
TRBV5-4*ap01

6852 sequences assigned
6768 (98.8%) exact matches, in which:
6695 unique CDR3
13 unique J



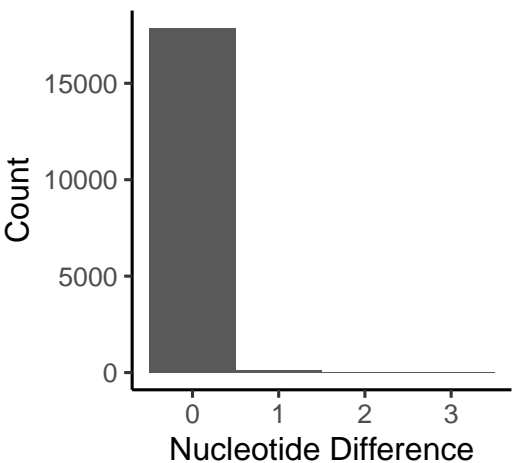
TRBV4-2*ap01

2024 sequences assigned
2002 (98.9%) exact matches, in which:
1978 unique CDR3
13 unique J



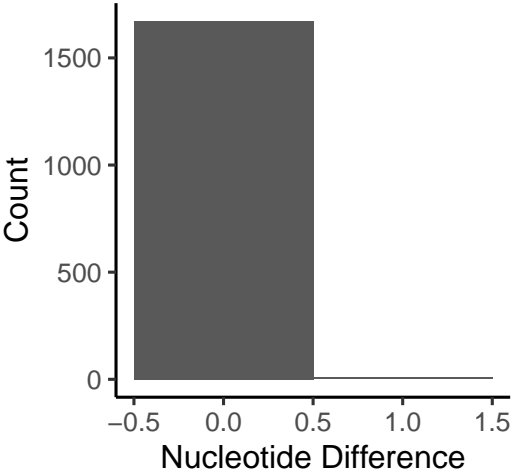
TRBV5-1*ap01

18025 sequences assigned
17878 (99.2%) exact matches, in which:
17705 unique CDR3
13 unique J



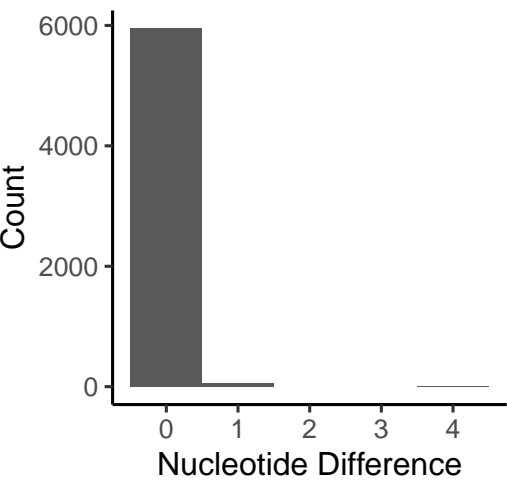
TRBV5-5*ap01

1680 sequences assigned
1672 (99.5%) exact matches, in which:
1666 unique CDR3
13 unique J



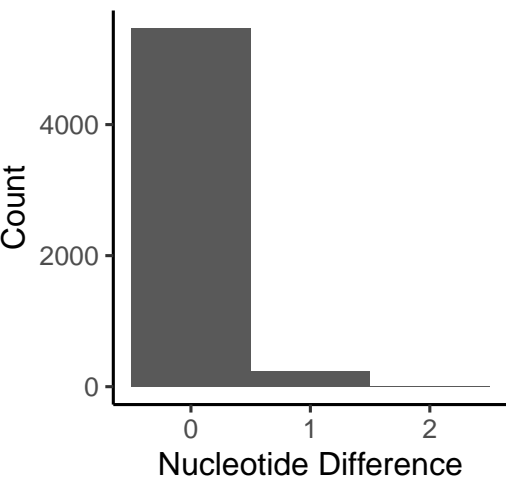
TRBV5-6*ap01

6017 sequences assigned
5951 (98.9%) exact matches, in which:
5908 unique CDR3
13 unique J



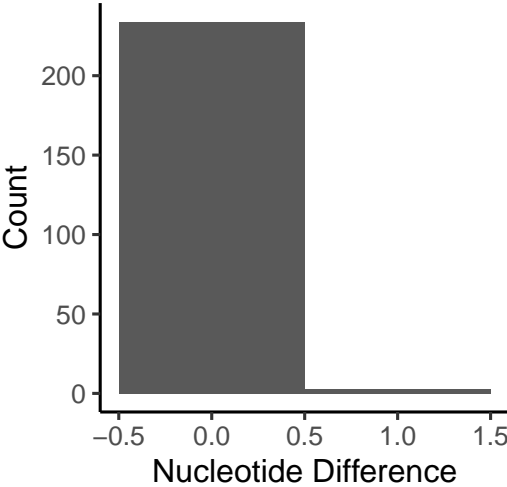
TRBV6-1*ap01

5701 sequences assigned
5468 (95.9%) exact matches, in which:
5427 unique CDR3
13 unique J



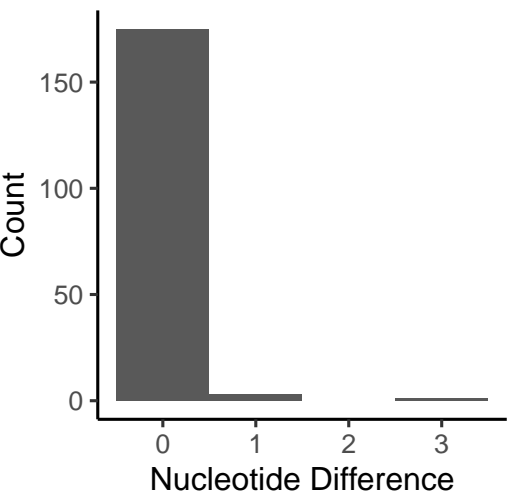
TRBV6-8*ap01

237 sequences assigned
234 (98.7%) exact matches, in which:
232 unique CDR3
13 unique J



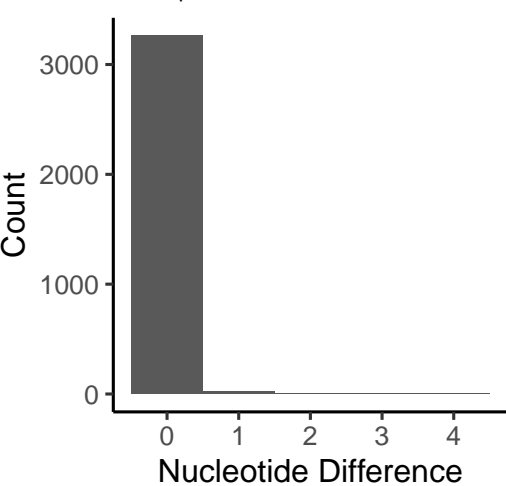
TRBV5-7*ap01

179 sequences assigned
175 (97.8%) exact matches, in which:
174 unique CDR3
12 unique J



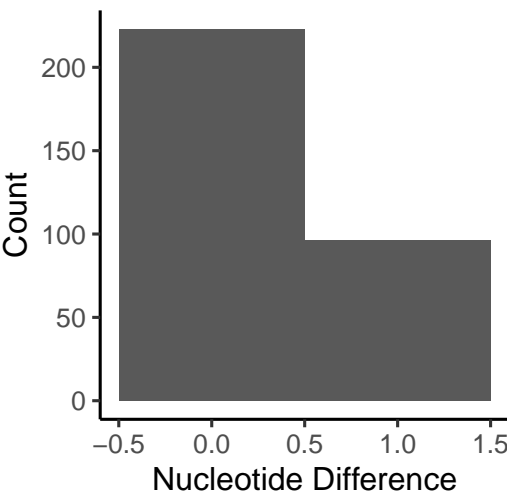
TRBV6-4*ap01

3296 sequences assigned
3262 (99%) exact matches, in which:
3245 unique CDR3
13 unique J



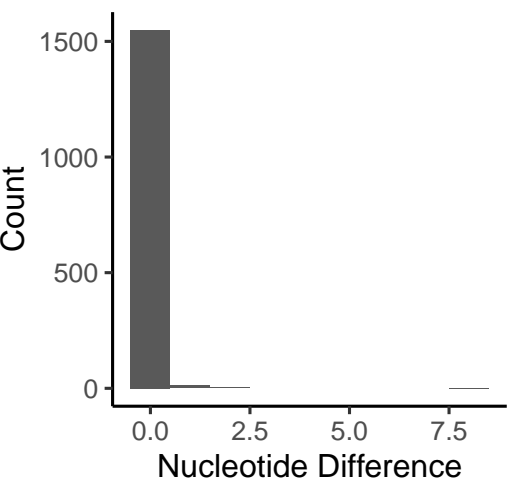
TRBV6-9*ap01

319 sequences assigned
223 (69.9%) exact matches, in which:
221 unique CDR3
13 unique J



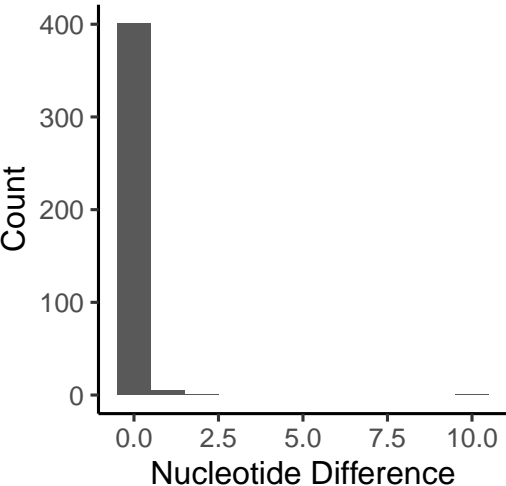
TRBV5-8*ap01

1565 sequences assigned
1549 (99%) exact matches, in which:
1534 unique CDR3
13 unique J



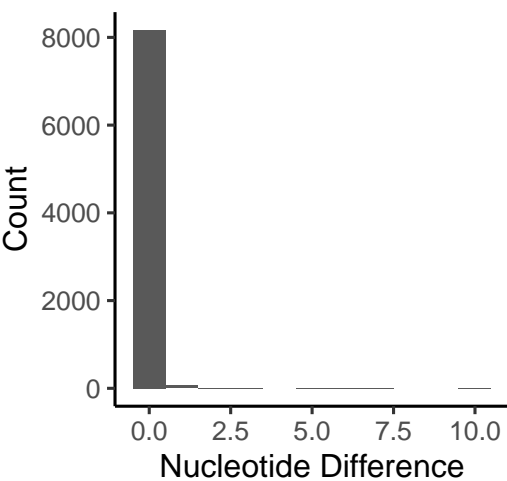
TRBV6-7*ap01

408 sequences assigned
401 (98.3%) exact matches, in which:
396 unique CDR3
13 unique J



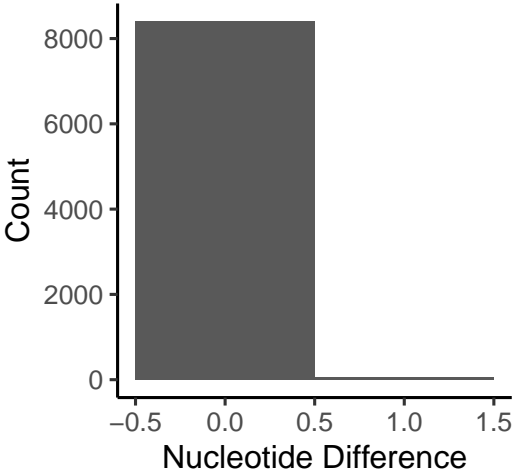
TRBV6-23*ap01

8238 sequences assigned
8167 (99.1%) exact matches, in which:
8117 unique CDR3
13 unique J



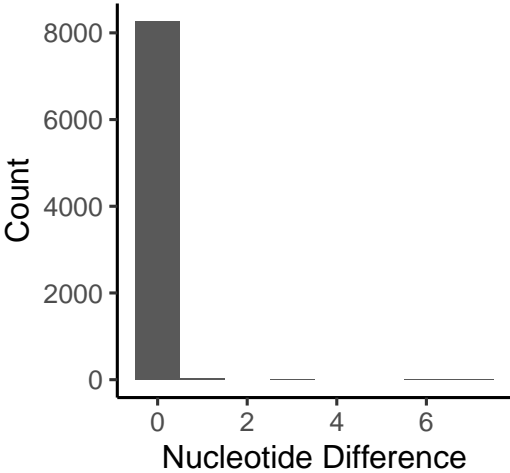
TRBV6-56*ap01

8470 sequences assigned
8402 (99.2%) exact matches, in which:
8339 unique CDR3
13 unique J



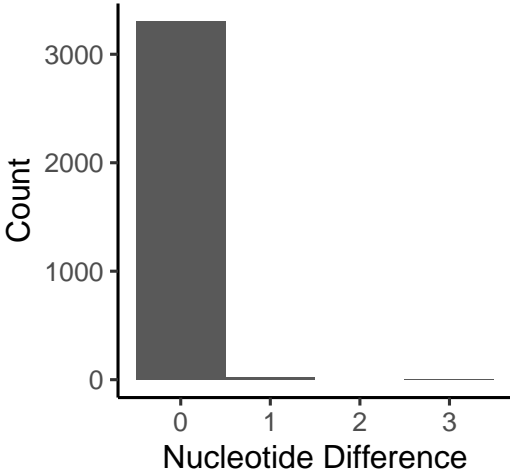
TRBV7-2*ap01

8311 sequences assigned
8264 (99.4%) exact matches, in which:
8210 unique CDR3
13 unique J



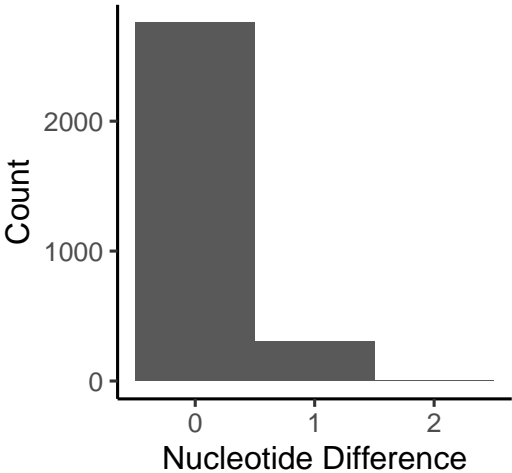
TRBV7-6*ap01

3328 sequences assigned
3303 (99.2%) exact matches, in which:
3277 unique CDR3
13 unique J



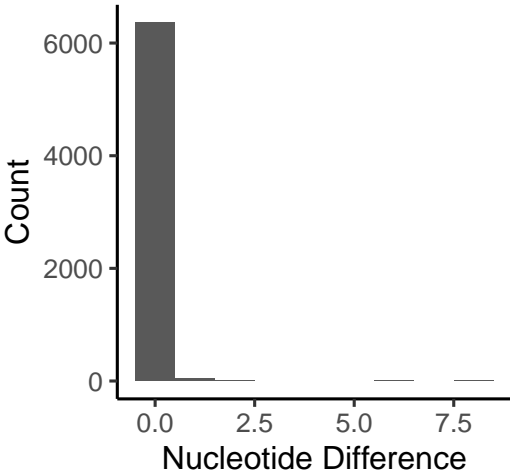
TRBV6-56*ap02

3068 sequences assigned
2758 (89.9%) exact matches, in which:
2736 unique CDR3
13 unique J



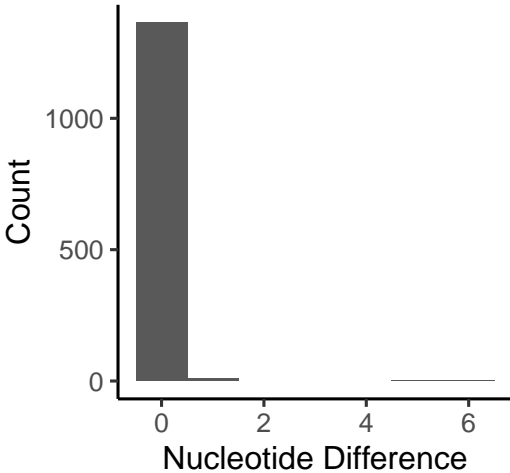
TRBV7-3*ap01

6406 sequences assigned
6361 (99.3%) exact matches, in which:
6316 unique CDR3
13 unique J



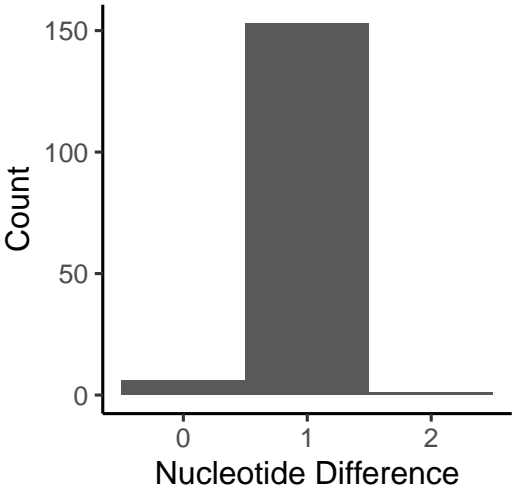
TRBV7-7*ap01_C315T

1377 sequences assigned
1364 (99.1%) exact matches, in which:
1361 unique CDR3
13 unique J



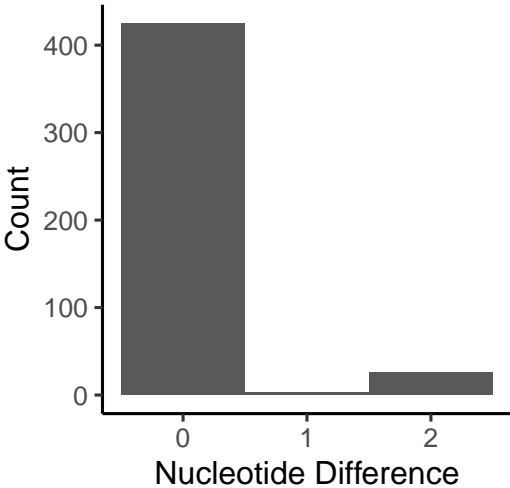
TRBV7-1*ap01_T296C

160 sequences assigned
6 (3.8%) exact matches, in which:
6 unique CDR3
4 unique J



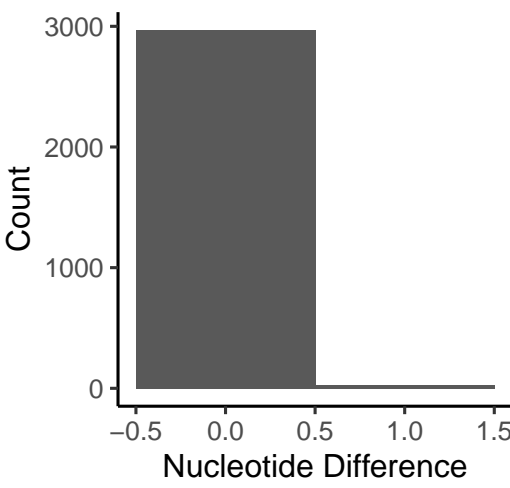
TRBV7-4*ap01

454 sequences assigned
425 (93.6%) exact matches, in which:
422 unique CDR3
13 unique J



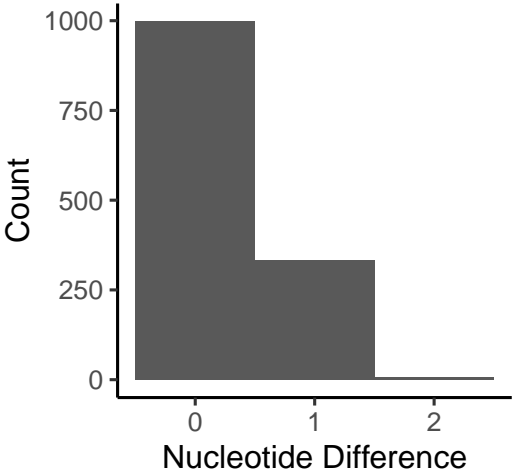
TRBV7-8*ap01

2997 sequences assigned
2969 (99.1%) exact matches, in which:
2955 unique CDR3
13 unique J



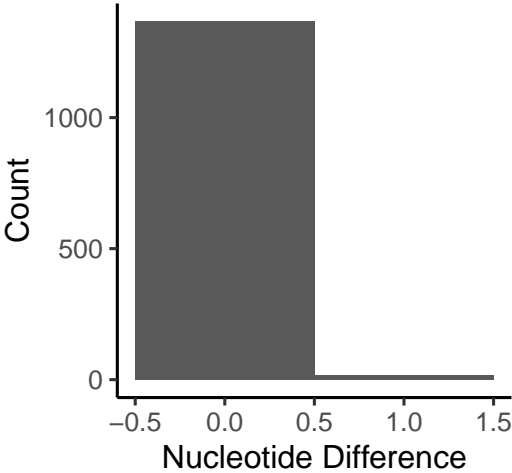
TRBV7-8*ap03

1337 sequences assigned
998 (74.6%) exact matches, in which:
989 unique CDR3
13 unique J



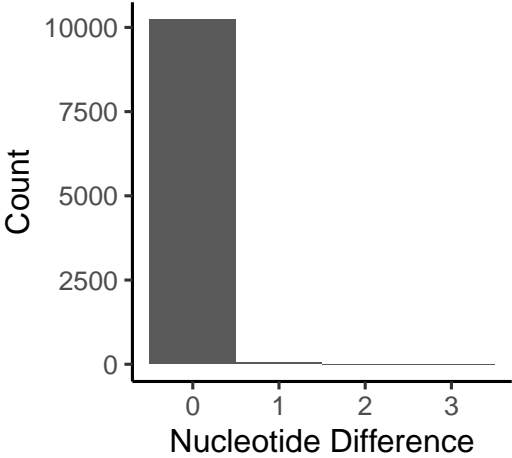
TRBV29-1*ap02

1383 sequences assigned
1367 (98.8%) exact matches, in which:
1361 unique CDR3
12 unique J



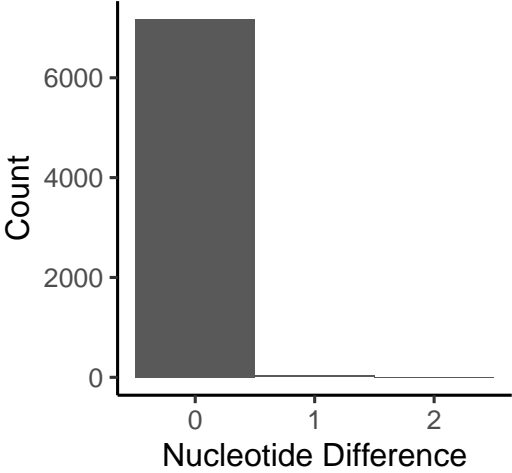
TRBV7-9*ap01

10288 sequences assigned
10236 (99.5%) exact matches, in which:
10195 unique CDR3
13 unique J

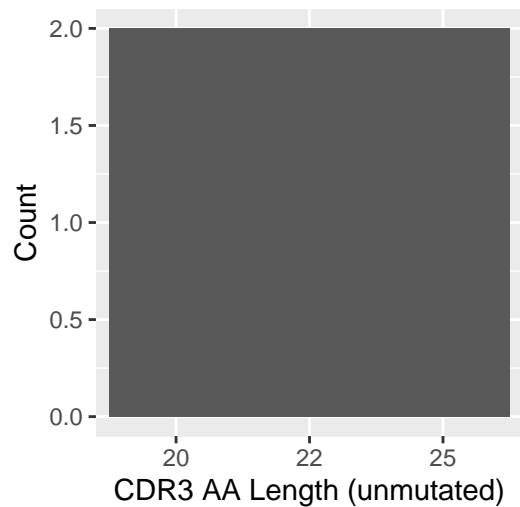


TRBV29-1*ap01

7217 sequences assigned
7176 (99.4%) exact matches, in which:
7132 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

