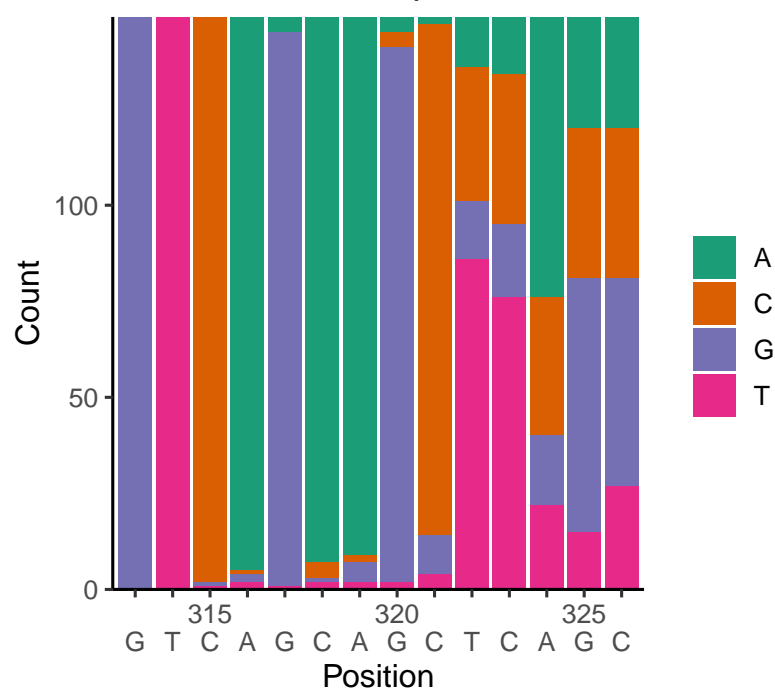
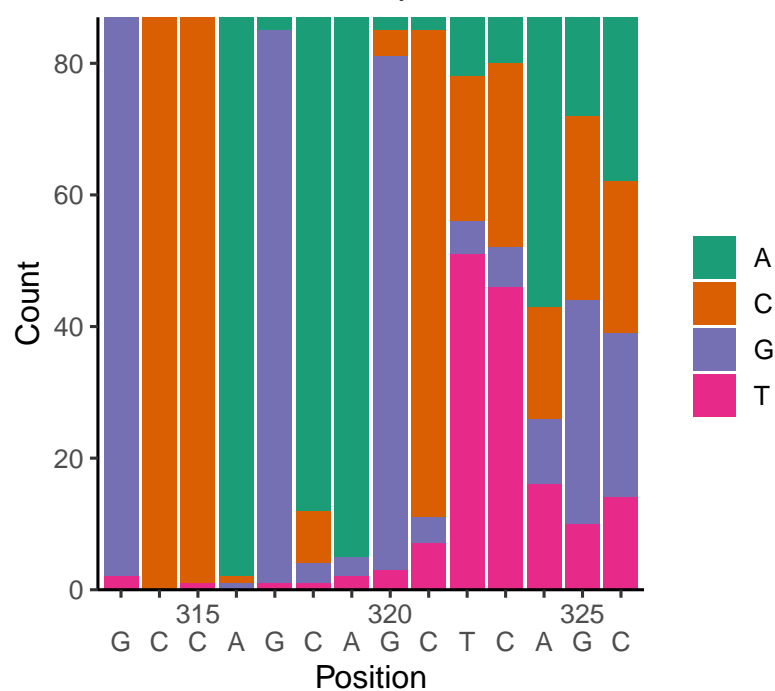


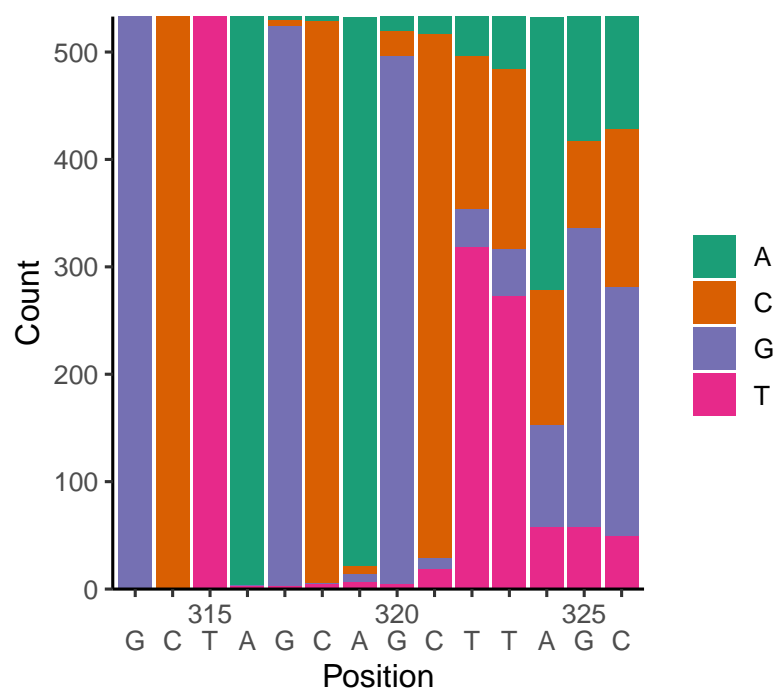
Gene TRBV7-1*ap01_G291C_T296C_C314T



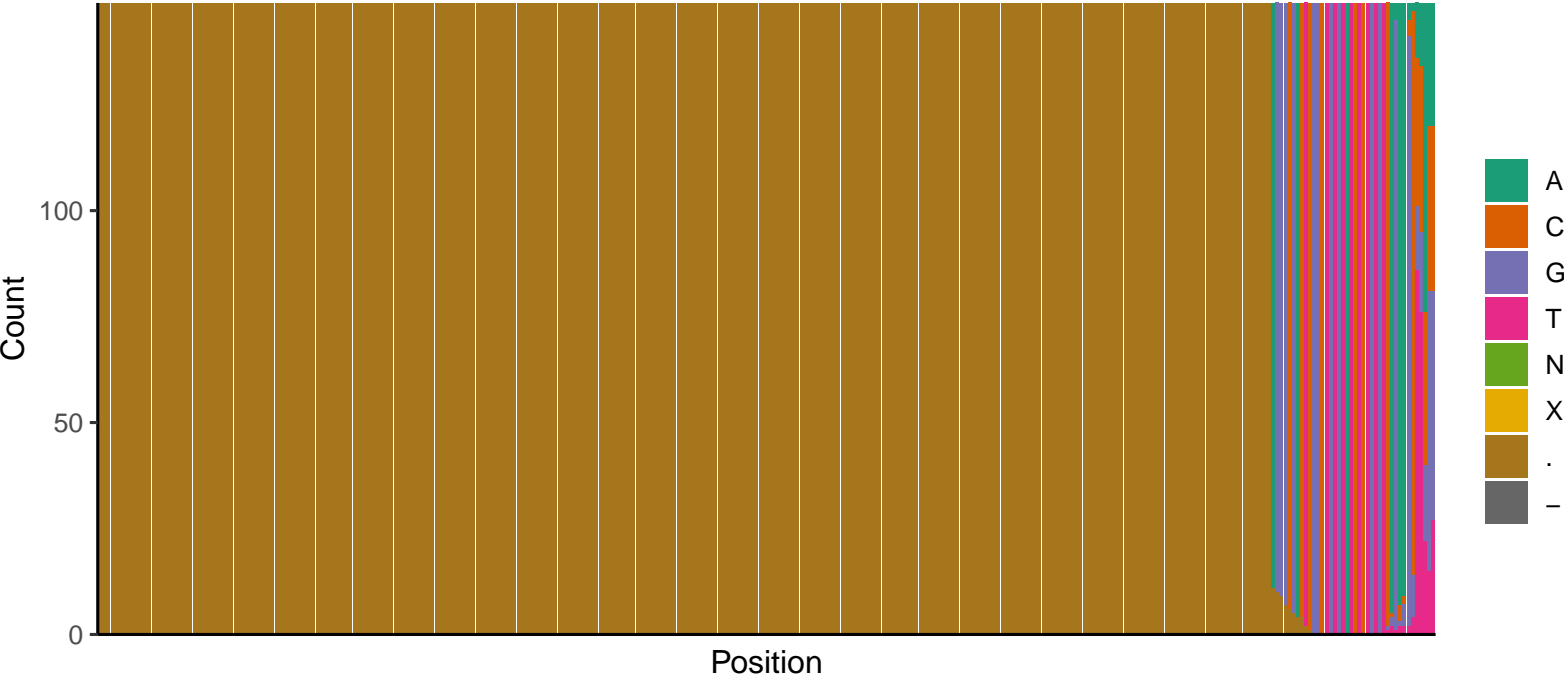
Gene TRBV7-1*ap01_G291C_T296C



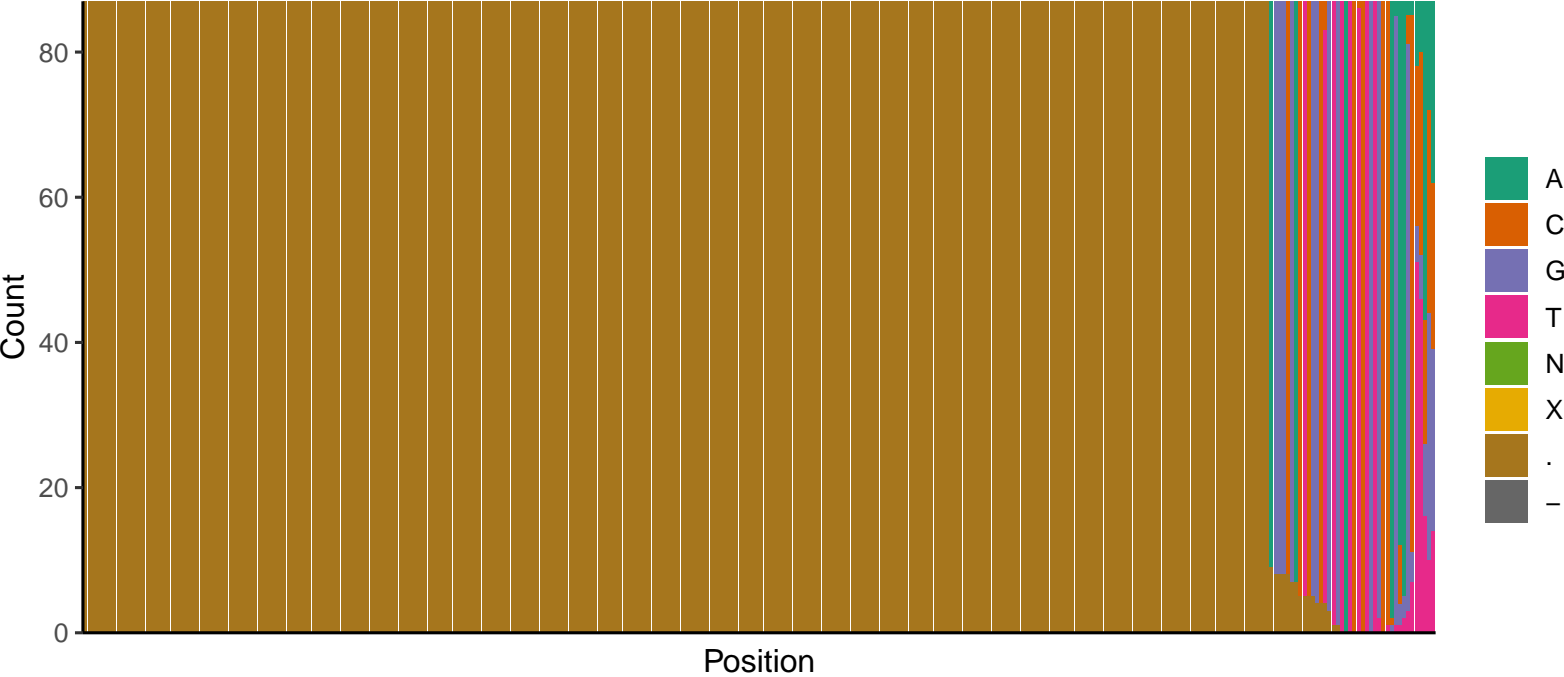
Gene TRBV7-7*ap01_C315T



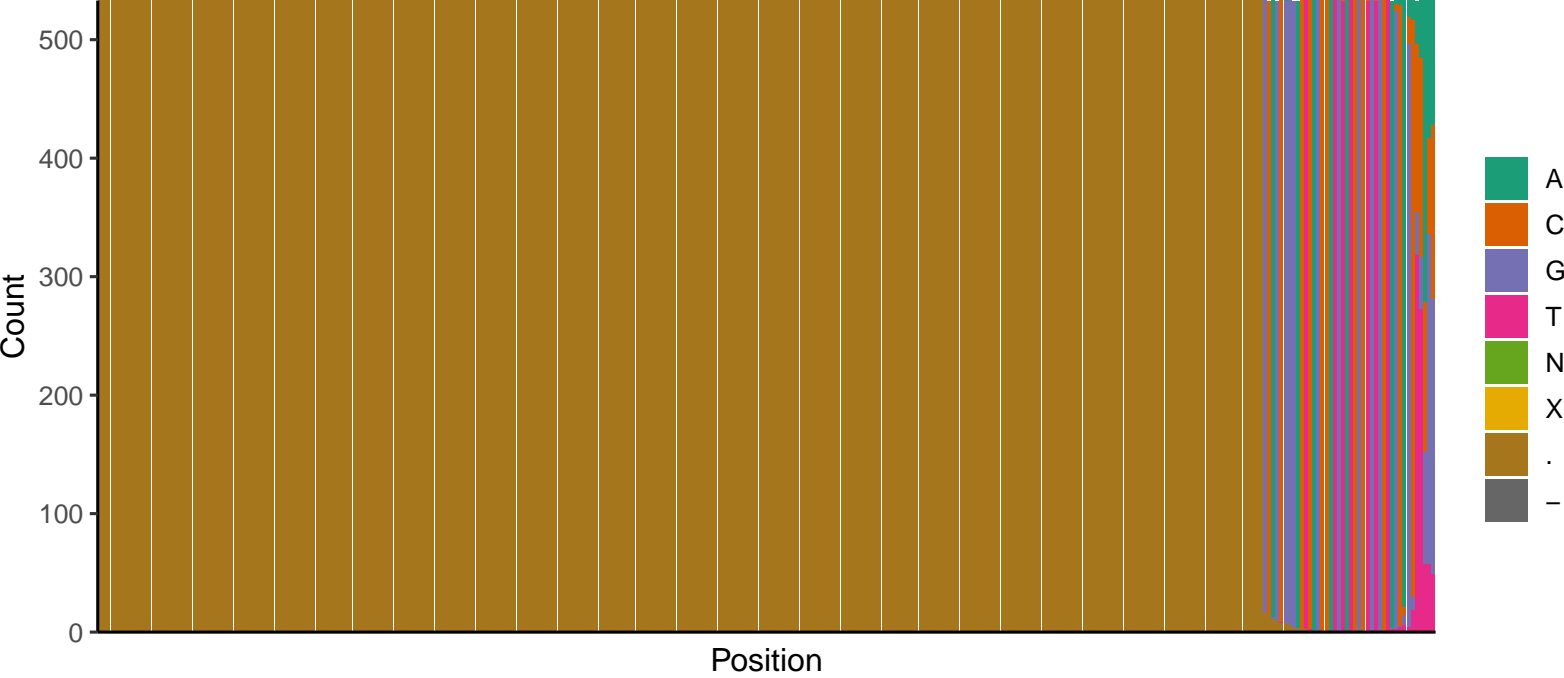
Gene TRBV7-1*ap01_G291C_T296C_C314T



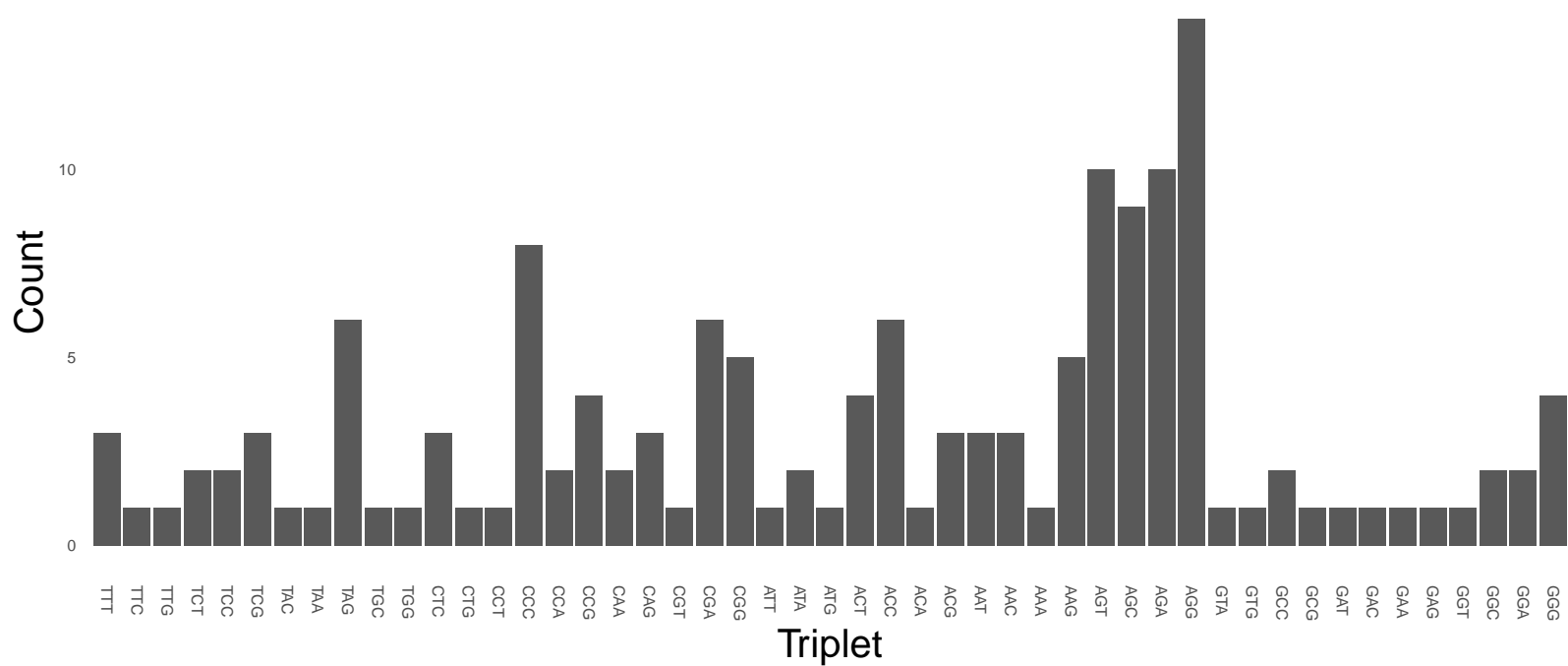
Gene TRBV7-1*ap01_G291C_T296C



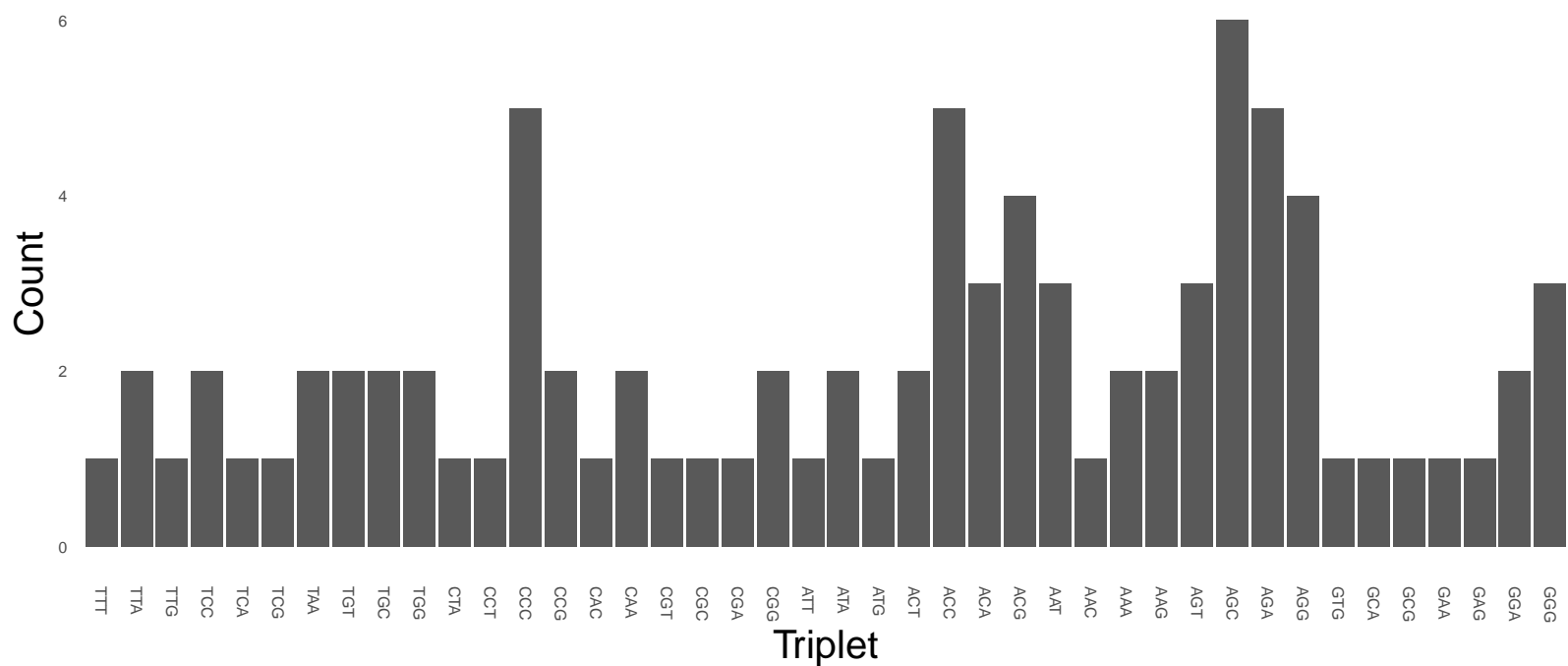
Gene TRBV7-7*ap01_C315T



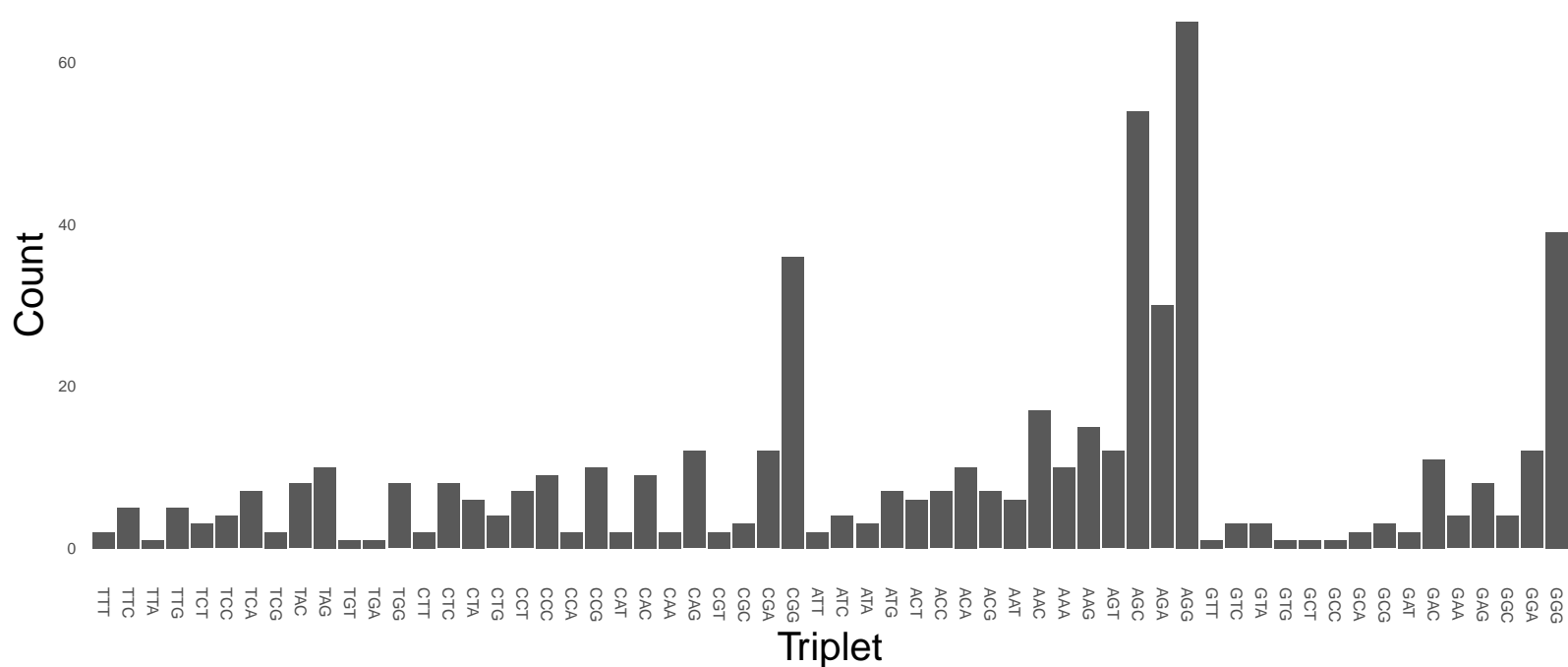
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

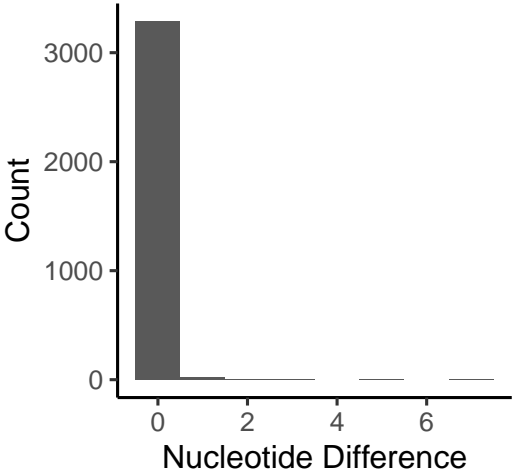


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



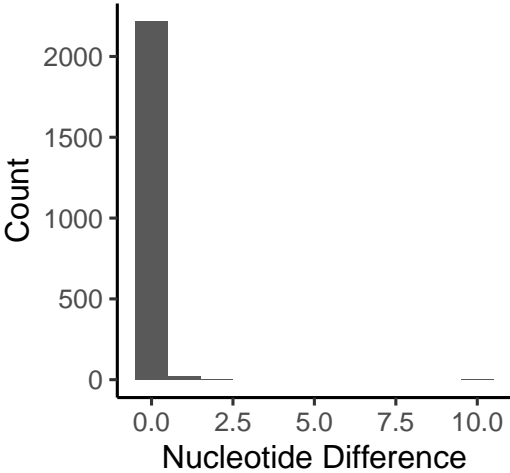
TRBV10-1*ap01

3319 sequences assigned
3287 (99%) exact matches, in which:
3232 unique CDR3
13 unique J



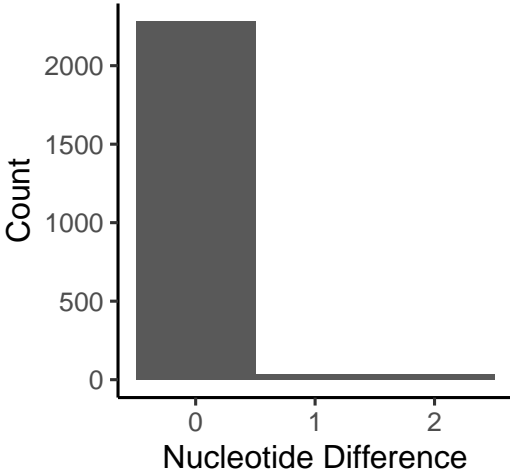
TRBV10-2*ap01

2243 sequences assigned
2217 (98.8%) exact matches, in which:
2173 unique CDR3
13 unique J



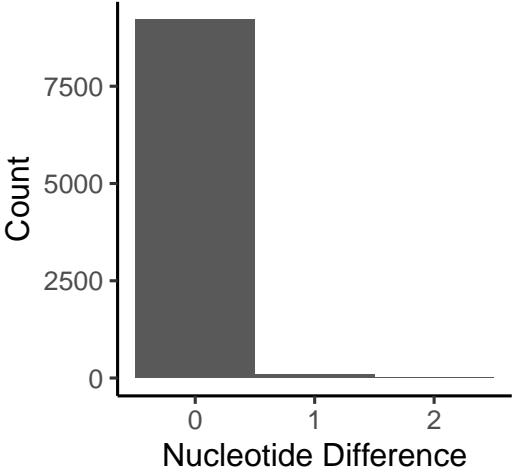
TRBV13*ap01

2351 sequences assigned
2282 (97.1%) exact matches, in which:
2227 unique CDR3
13 unique J



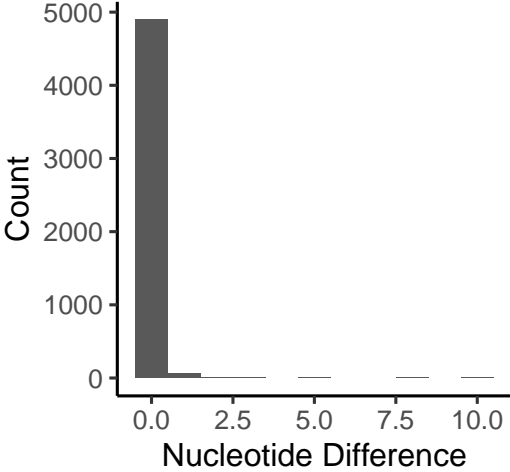
TRBV20-1*ap01

9313 sequences assigned
9210 (98.9%) exact matches, in which:
9079 unique CDR3
13 unique J



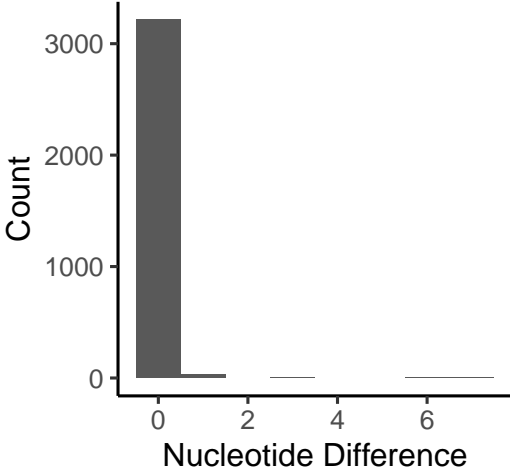
TRBV10-3*ap01

4959 sequences assigned
4896 (98.7%) exact matches, in which:
4810 unique CDR3
13 unique J



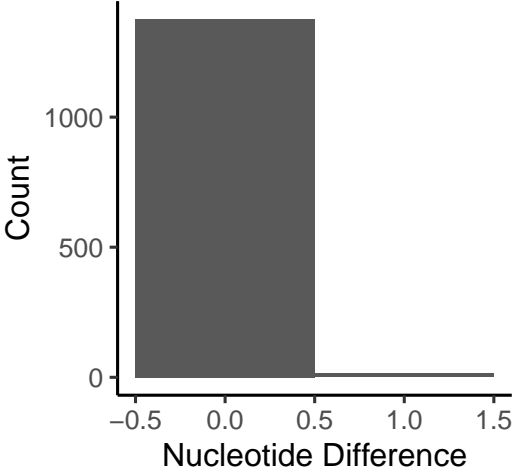
TRBV14*ap01

3249 sequences assigned
3215 (99%) exact matches, in which:
3176 unique CDR3
13 unique J



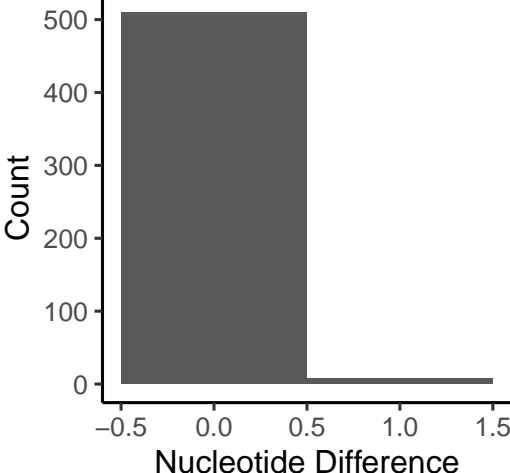
TRBV20-1*ap02

1392 sequences assigned
1377 (98.9%) exact matches, in which:
1353 unique CDR3
13 unique J



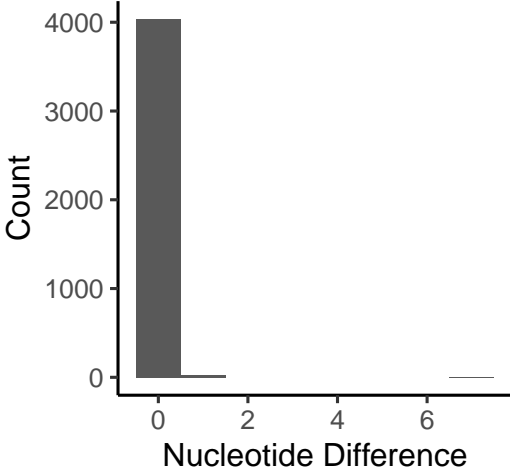
TRBV1*ap01

517 sequences assigned
510 (98.6%) exact matches, in which:
505 unique CDR3
13 unique J



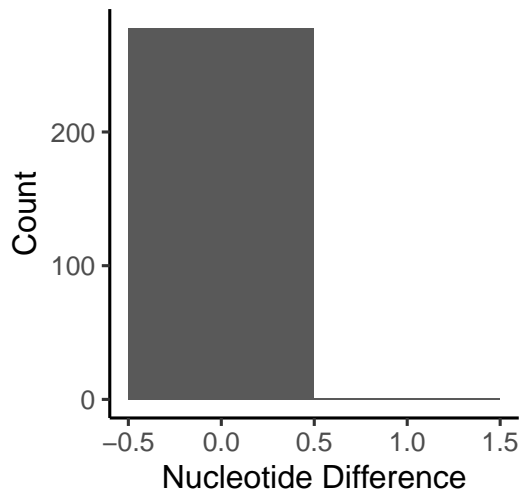
TRBV15*ap02

4066 sequences assigned
4036 (99.3%) exact matches, in which:
3955 unique CDR3
13 unique J



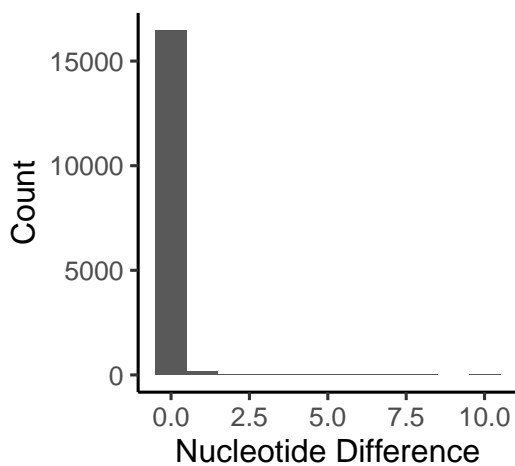
TRBV16*ap01

279 sequences assigned
278 (99.6%) exact matches, in which:
272 unique CDR3
12 unique J



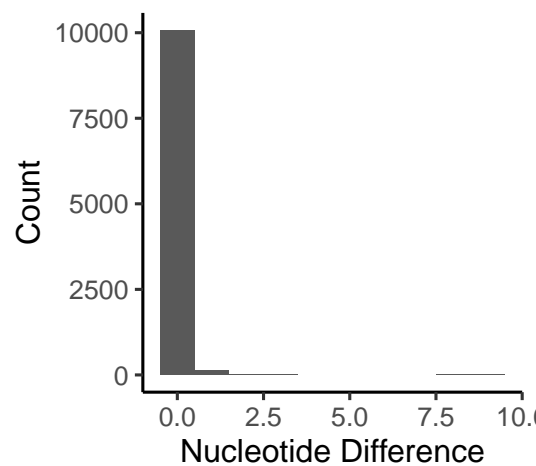
TRBV19*ap01

16656 sequences assigned
16478 (98.9%) exact matches, in which:
16305 unique CDR3
13 unique J



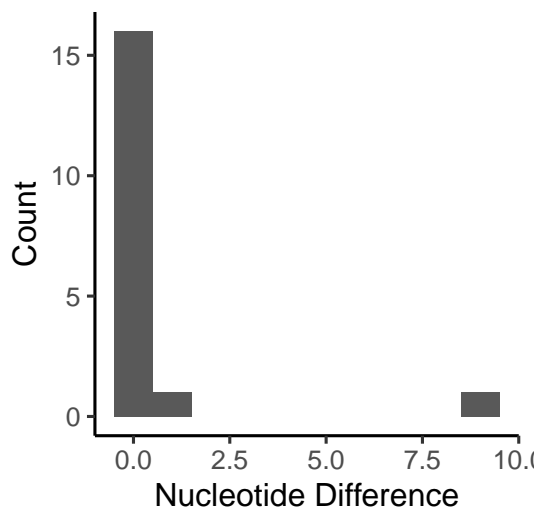
TRBV27*ap01

10209 sequences assigned
10075 (98.7%) exact matches, in which:
9891 unique CDR3
13 unique J



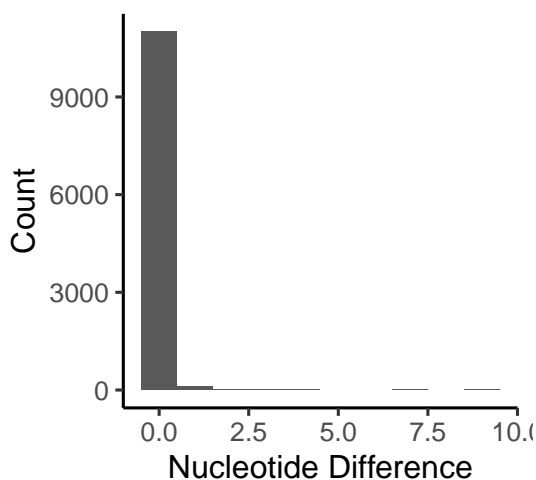
TRBV17*ap01

18 sequences assigned
16 (88.9%) exact matches, in which:
16 unique CDR3
10 unique J



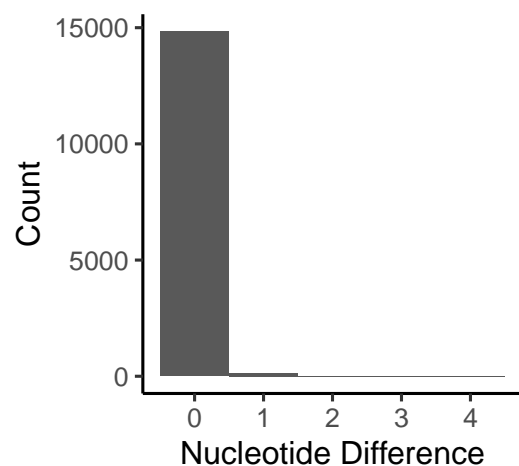
TRBV2*ap01

11123 sequences assigned
11003 (98.9%) exact matches, in which:
10820 unique CDR3
13 unique J



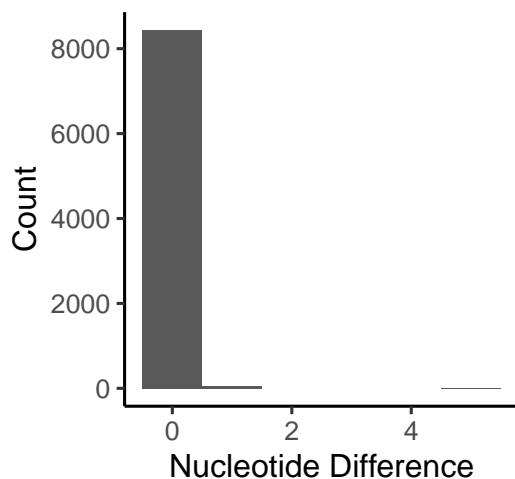
TRBV28*ap01

14982 sequences assigned
14837 (99%) exact matches, in which:
14572 unique CDR3
13 unique J



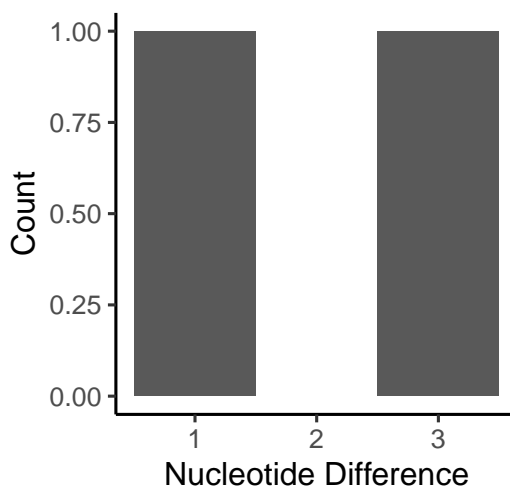
TRBV18*ap01

8500 sequences assigned
8439 (99.3%) exact matches, in which:
8333 unique CDR3
13 unique J



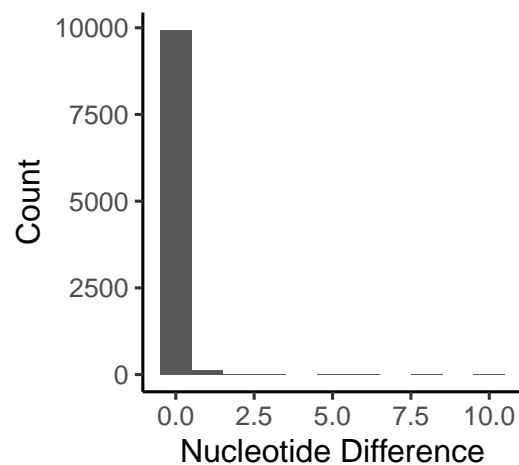
TRBV26*ap01

2 sequences assigned
No exact matches.



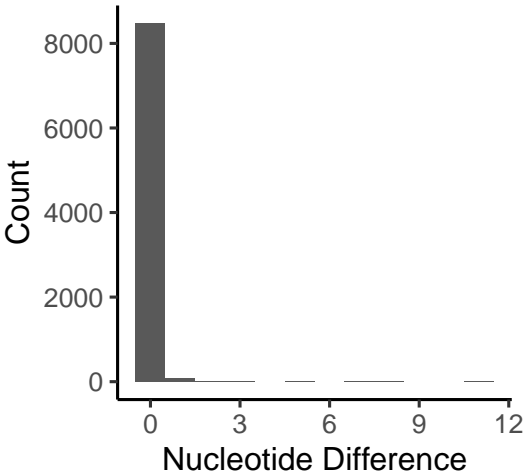
TRBV30*ap01

10094 sequences assigned
9942 (98.5%) exact matches, in which:
9839 unique CDR3
13 unique J



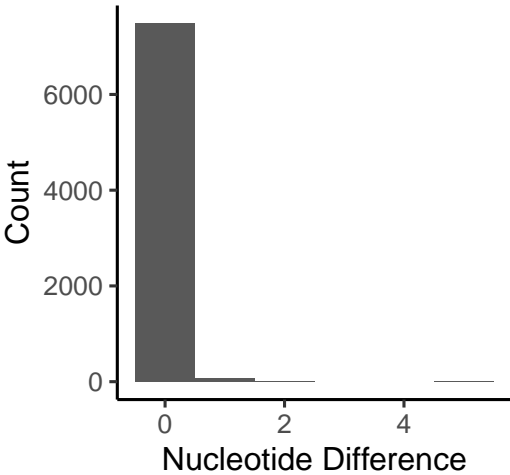
TRBV9*ap01

8567 sequences assigned
8473 (98.9%) exact matches, in which:
8327 unique CDR3
13 unique J



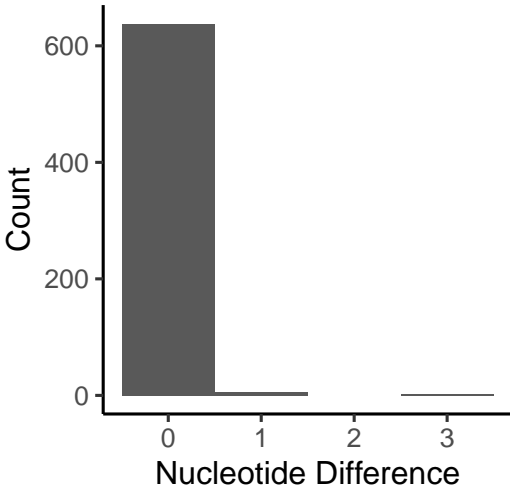
TRBV11-2*ap01

7553 sequences assigned
7484 (99.1%) exact matches, in which:
7357 unique CDR3
13 unique J



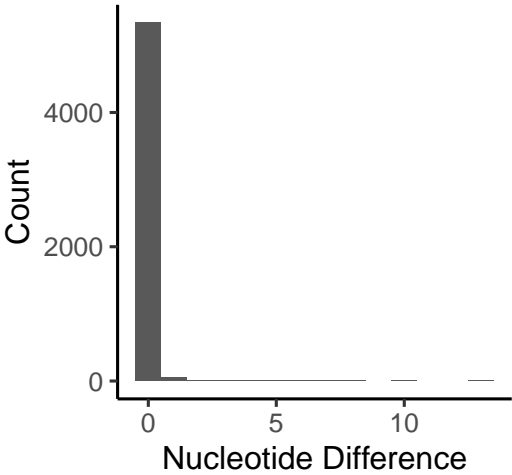
TRBV12-2*ap01

646 sequences assigned
638 (98.8%) exact matches, in which:
627 unique CDR3
13 unique J



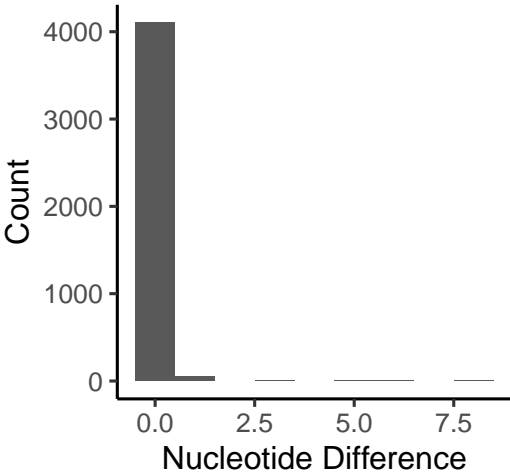
TRBV21-1*ap01

5423 sequences assigned
5337 (98.4%) exact matches, in which:
5258 unique CDR3
13 unique J



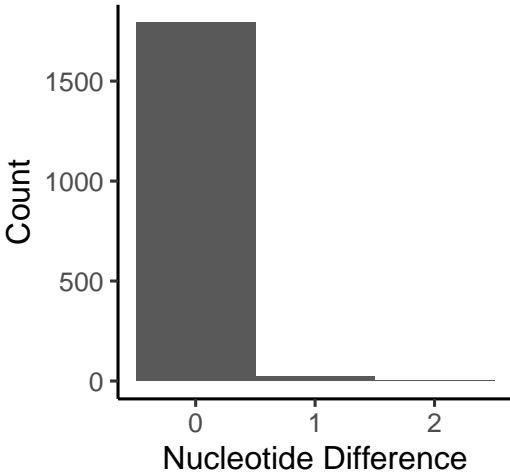
TRBV11-3*ap01

4161 sequences assigned
4103 (98.6%) exact matches, in which:
4034 unique CDR3
13 unique J



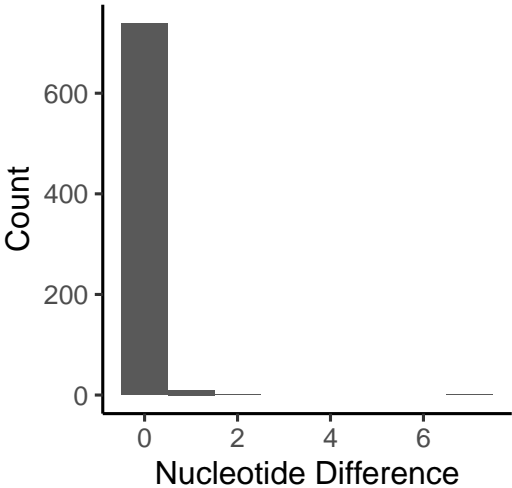
TRBV12-5*ap01

1814 sequences assigned
1792 (98.8%) exact matches, in which:
1758 unique CDR3
13 unique J



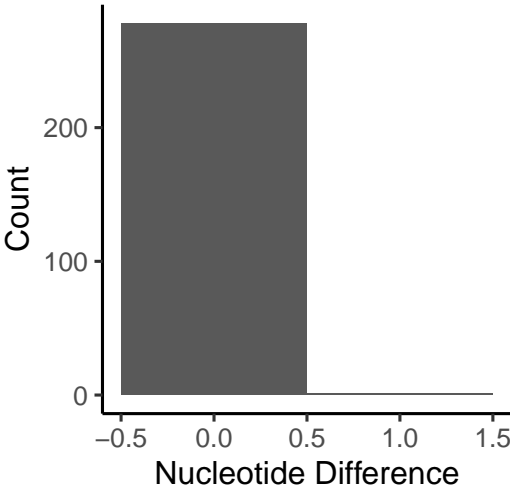
TRBV11-1*ap01

751 sequences assigned
739 (98.4%) exact matches, in which:
729 unique CDR3
13 unique J



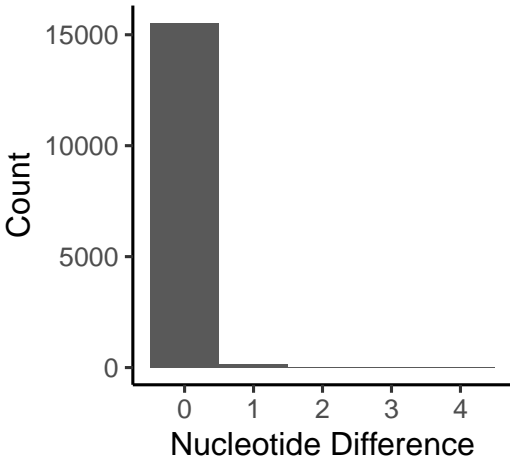
TRBV12-1*ap01

279 sequences assigned
278 (99.6%) exact matches, in which:
274 unique CDR3
13 unique J



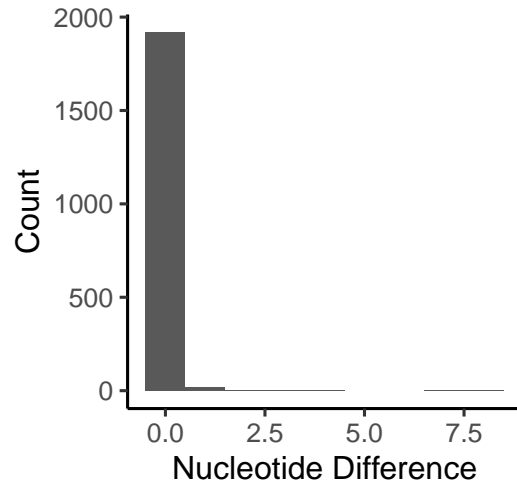
TRBV12-34*ap01

15716 sequences assigned
15539 (98.9%) exact matches, in which:
15287 unique CDR3
13 unique J



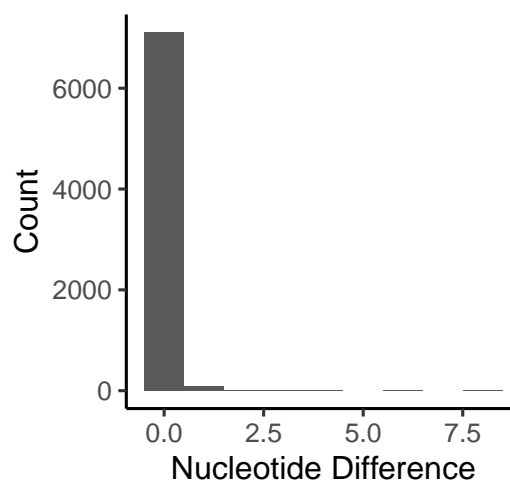
TRBV23-1*ap01

1942 sequences assigned
1918 (98.8%) exact matches, in which:
1896 unique CDR3
13 unique J



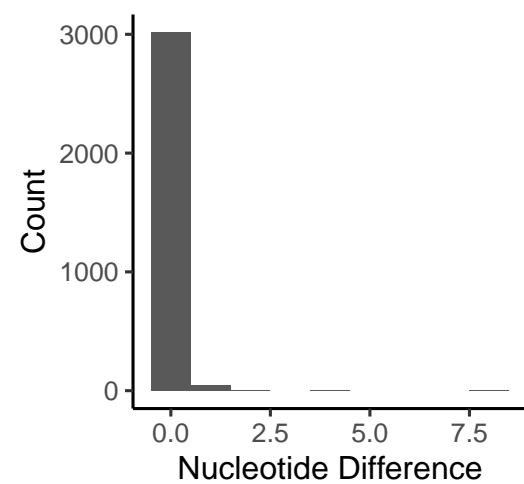
TRBV24-1*ap01

7201 sequences assigned
7107 (98.7%) exact matches, in which:
7025 unique CDR3
13 unique J



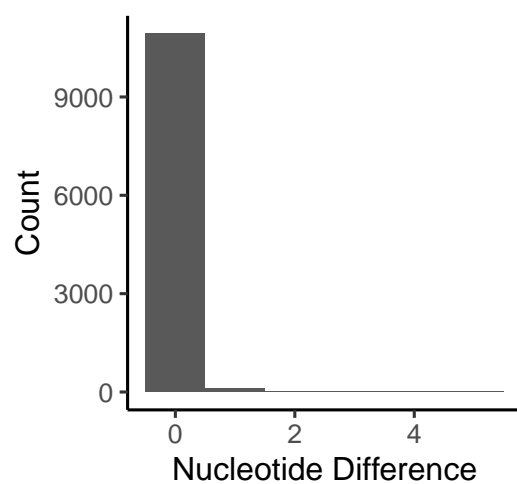
TRBV25-1*ap01

3069 sequences assigned
3016 (98.3%) exact matches, in which:
2976 unique CDR3
13 unique J



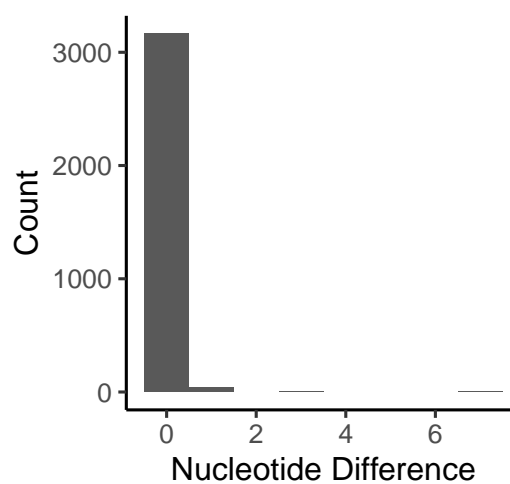
TRBV3-12*ap01

11047 sequences assigned
10929 (98.9%) exact matches, in which:
10721 unique CDR3
13 unique J



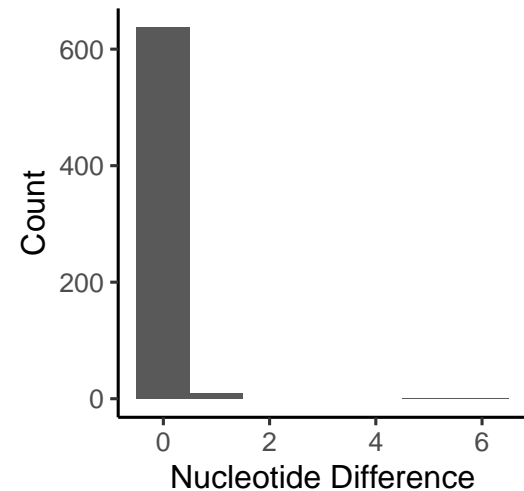
TRBV4-2*ap01

3204 sequences assigned
3164 (98.8%) exact matches, in which:
3118 unique CDR3
13 unique J



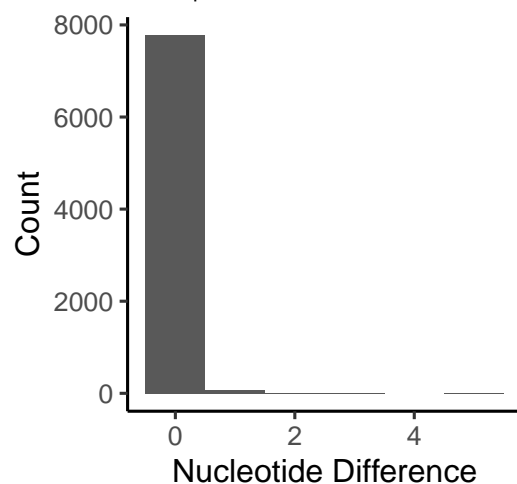
TRBV5-3*ap01

649 sequences assigned
638 (98.3%) exact matches, in which:
626 unique CDR3
13 unique J



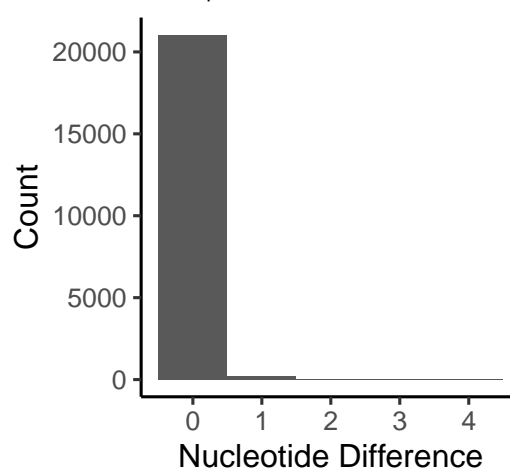
TRBV4-1*ap01

7858 sequences assigned
7780 (99%) exact matches, in which:
7668 unique CDR3
13 unique J



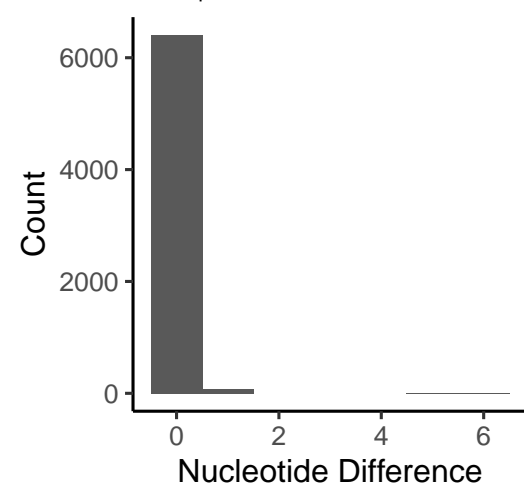
TRBV5-1*ap01

21276 sequences assigned
21045 (98.9%) exact matches, in which:
20651 unique CDR3
13 unique J



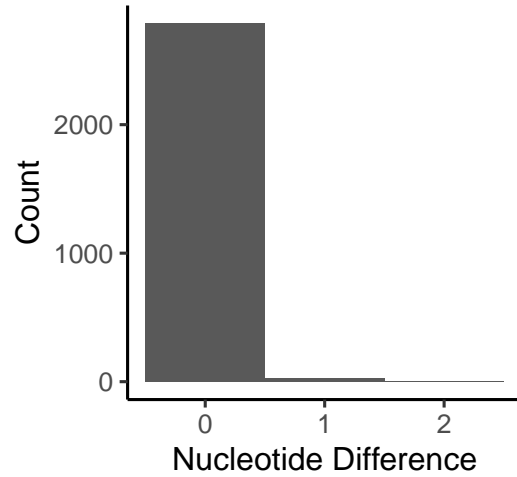
TRBV5-4*ap01

6484 sequences assigned
6405 (98.8%) exact matches, in which:
6288 unique CDR3
13 unique J



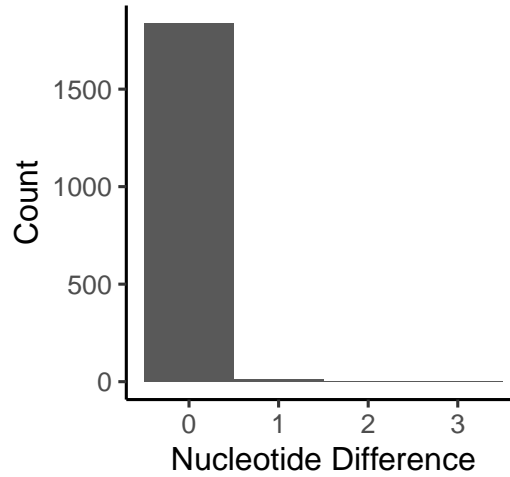
TRBV5-5*ap01

2818 sequences assigned
2788 (98.9%) exact matches, in which:
2758 unique CDR3
13 unique J



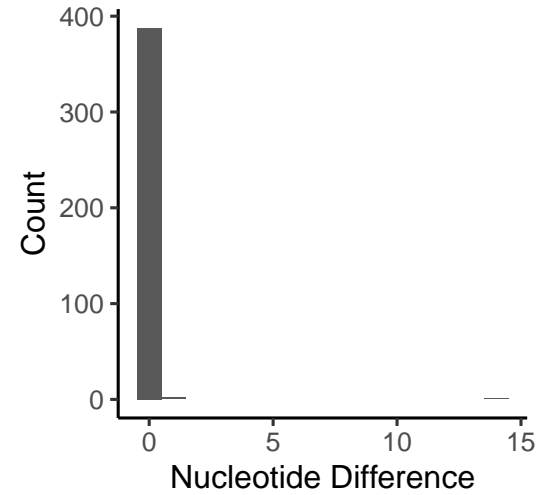
TRBV5-8*ap01

1855 sequences assigned
1837 (99%) exact matches, in which:
1813 unique CDR3
13 unique J



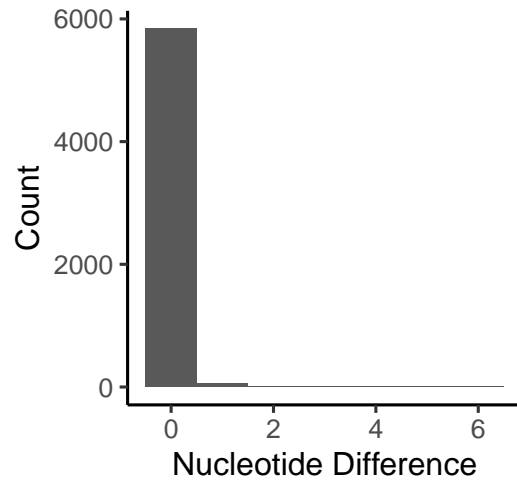
TRBV6-7*ap01

391 sequences assigned
388 (99.2%) exact matches, in which:
375 unique CDR3
13 unique J



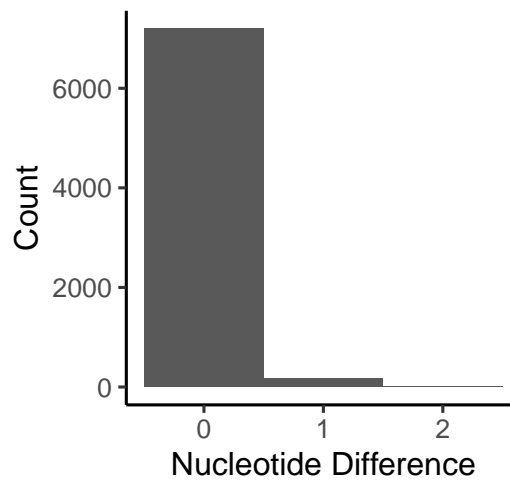
TRBV5-6*ap01

5910 sequences assigned
5840 (98.8%) exact matches, in which:
5745 unique CDR3
13 unique J



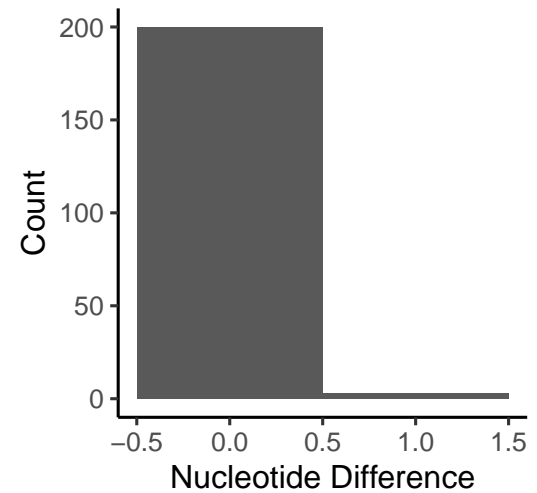
TRBV6-1*ap01

7376 sequences assigned
7196 (97.6%) exact matches, in which:
7075 unique CDR3
13 unique J



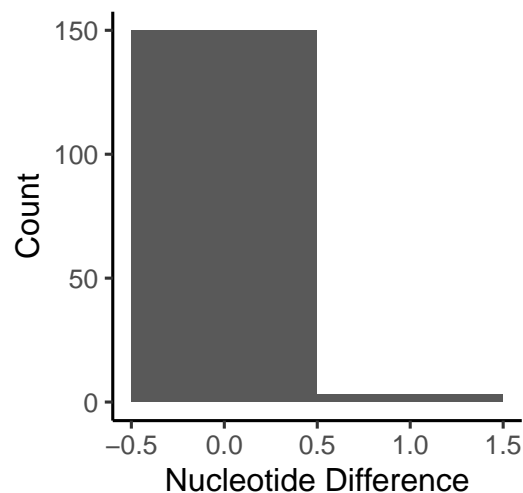
TRBV6-8*ap01

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



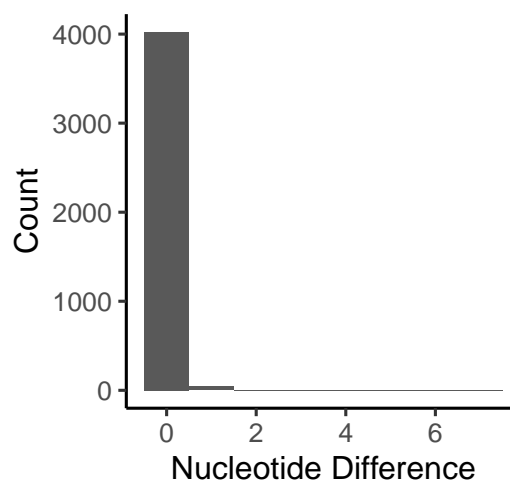
TRBV5-7*ap01

153 sequences assigned
150 (98%) exact matches, in which:
149 unique CDR3
13 unique J



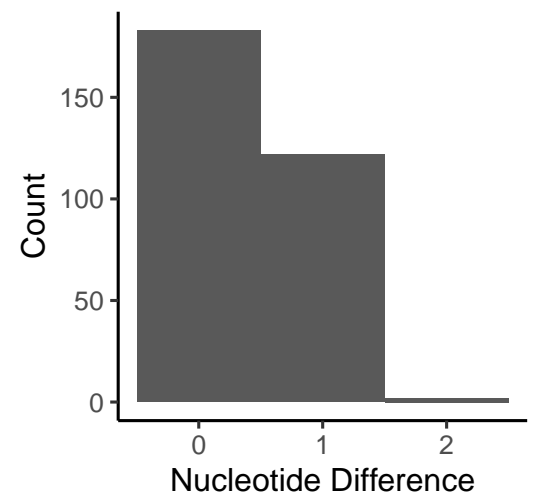
TRBV6-4*ap01

4072 sequences assigned
4023 (98.8%) exact matches, in which:
3969 unique CDR3
13 unique J



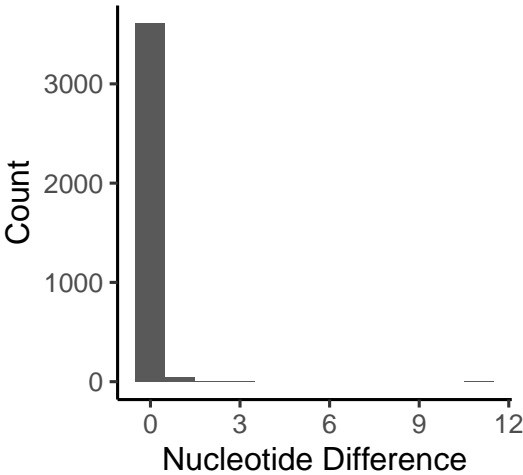
TRBV6-9*ap01

307 sequences assigned
183 (59.6%) exact matches, in which:
182 unique CDR3
12 unique J



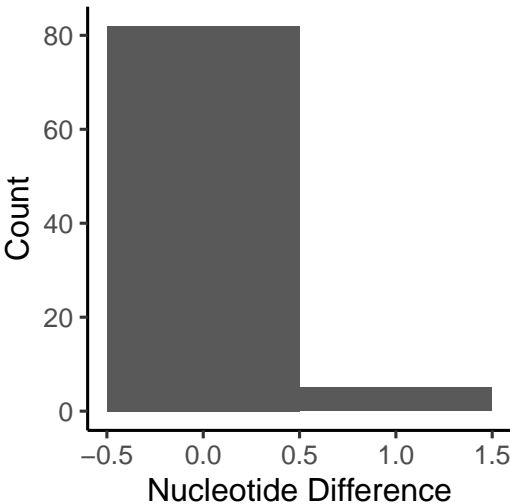
TRBV6-23*ap01

3658 sequences assigned
3609 (98.7%) exact matches, in which:
3555 unique CDR3
13 unique J



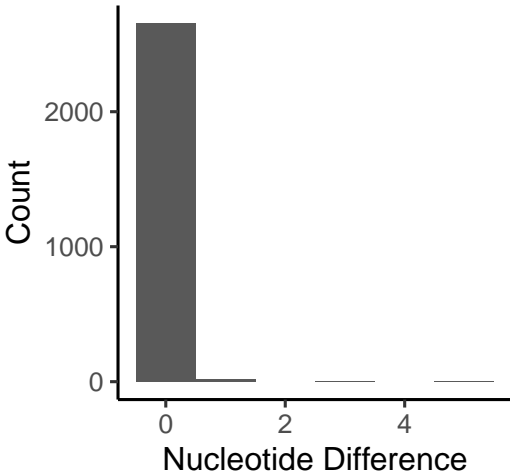
TRBV7-1*ap01_G291C_T

87 sequences assigned
82 (94.3%) exact matches, in which:
81 unique CDR3
13 unique J



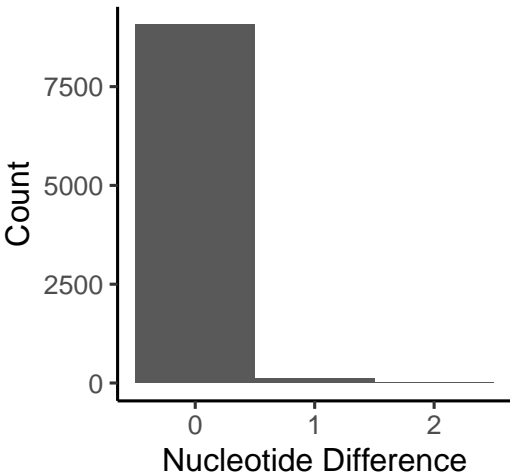
TRBV7-3*ap01

2674 sequences assigned
2654 (99.3%) exact matches, in which:
2612 unique CDR3
13 unique J



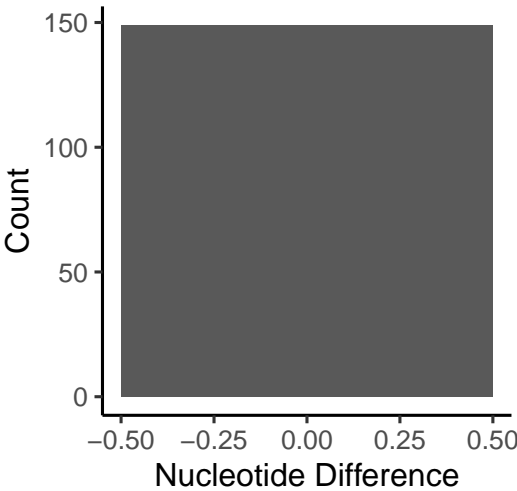
TRBV6-56*ap01

9185 sequences assigned
9066 (98.7%) exact matches, in which:
8897 unique CDR3
13 unique J



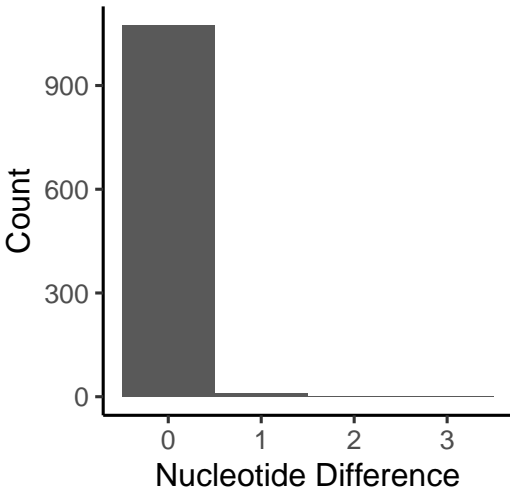
TRBV7-1*ap01_G291C_

149 sequences assigned
149 (100%) exact matches, in which:
148 unique CDR3
13 unique J



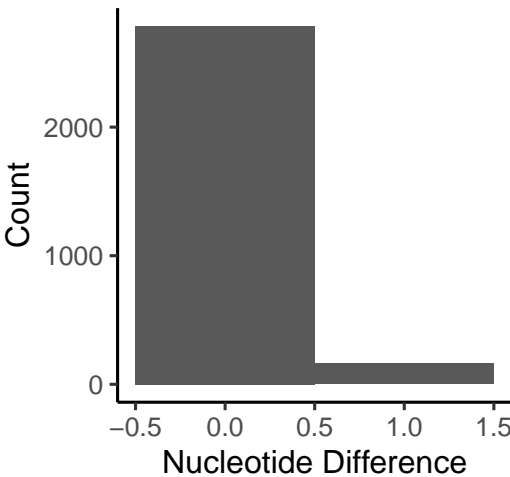
TRBV7-3*ap03

1089 sequences assigned
1075 (98.7%) exact matches, in which:
1054 unique CDR3
13 unique J



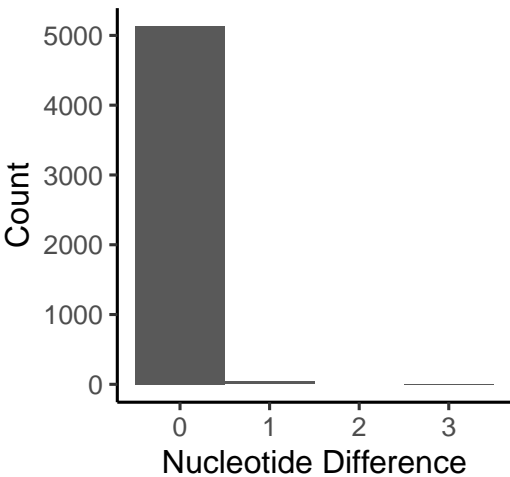
TRBV6-56*ap02

2947 sequences assigned
2786 (94.5%) exact matches, in which:
2740 unique CDR3
13 unique J



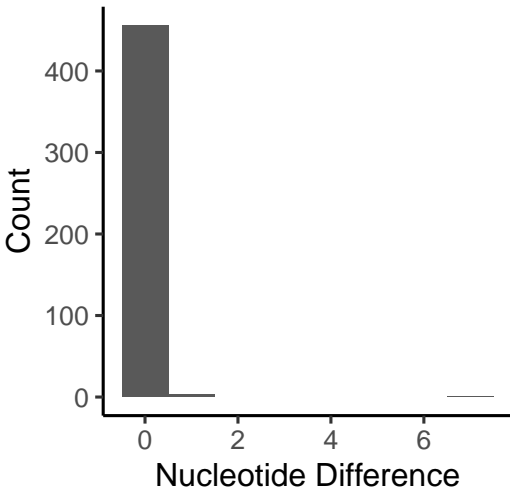
TRBV7-2*ap01

5177 sequences assigned
5134 (99.2%) exact matches, in which:
5056 unique CDR3
13 unique J



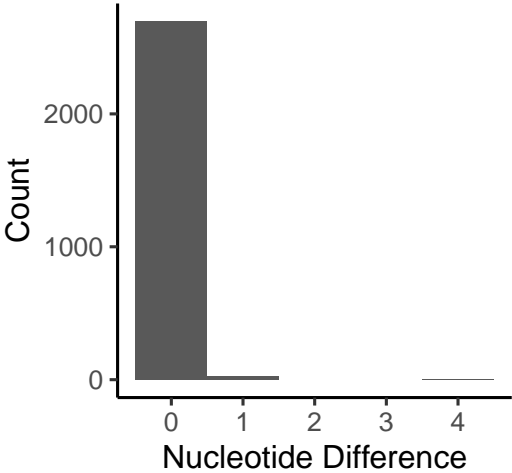
TRBV7-4*ap01

460 sequences assigned
456 (99.1%) exact matches, in which:
445 unique CDR3
13 unique J



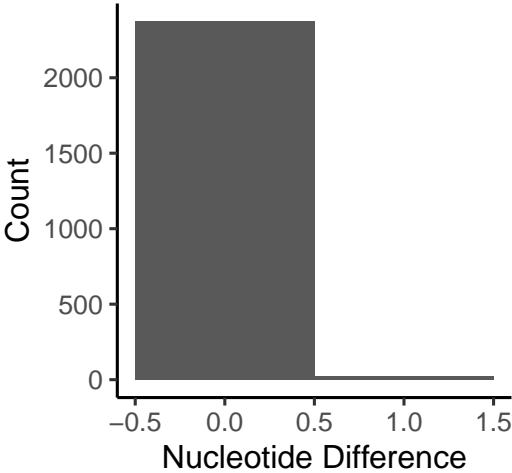
TRBV7-6*ap01

2725 sequences assigned
2696 (98.9%) exact matches, in which:
2648 unique CDR3
13 unique J



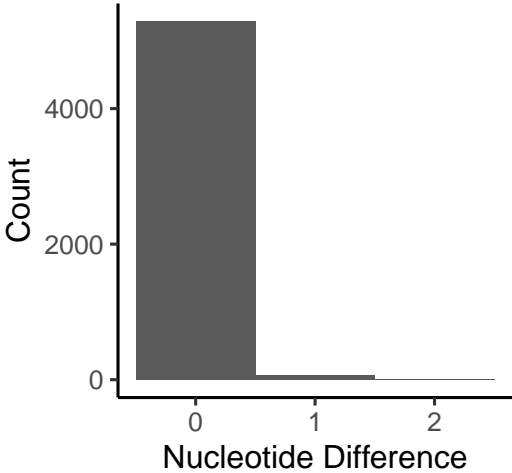
TRBV7-8*ap01

2396 sequences assigned
2373 (99%) exact matches, in which:
2314 unique CDR3
13 unique J



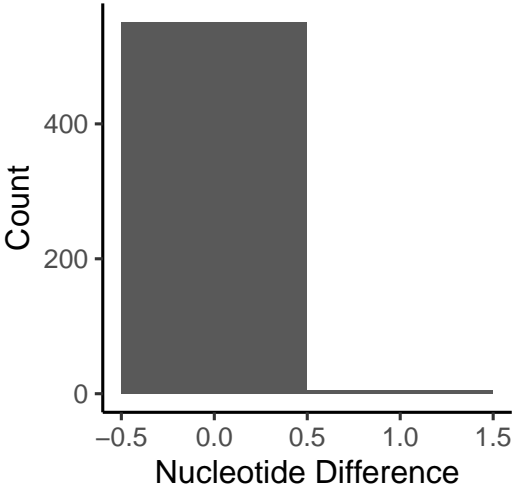
TRBV29-1*ap01

5351 sequences assigned
5287 (98.8%) exact matches, in which:
5213 unique CDR3
13 unique J



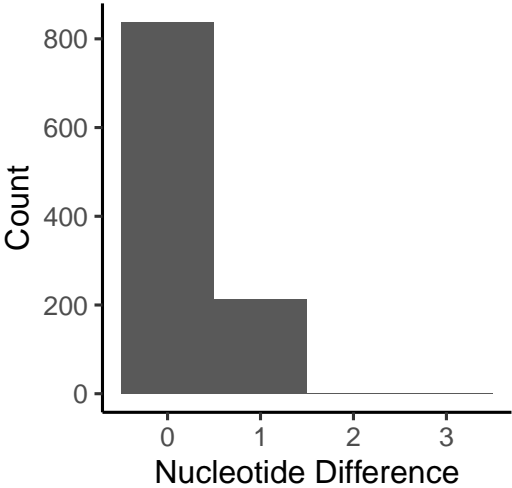
TRBV7-7*ap01

556 sequences assigned
551 (99.1%) exact matches, in which:
546 unique CDR3
13 unique J



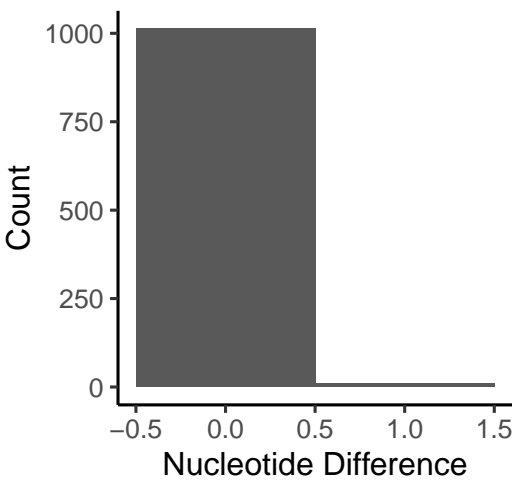
TRBV7-8*ap03

1055 sequences assigned
838 (79.4%) exact matches, in which:
830 unique CDR3
13 unique J



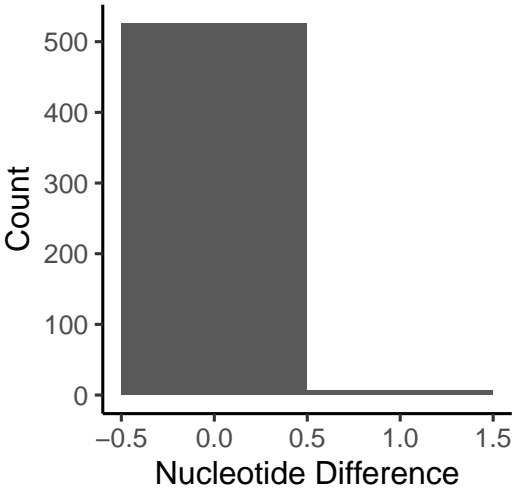
TRBV29-1*ap02

1022 sequences assigned
1013 (99.1%) exact matches, in which:
1003 unique CDR3
13 unique J



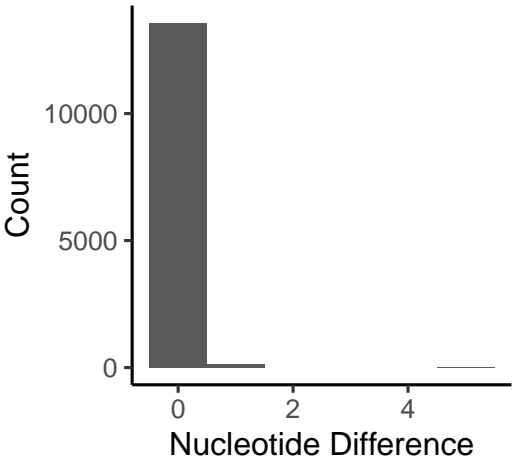
TRBV7-7*ap01_C315T

533 sequences assigned
526 (98.7%) exact matches, in which:
509 unique CDR3
13 unique J

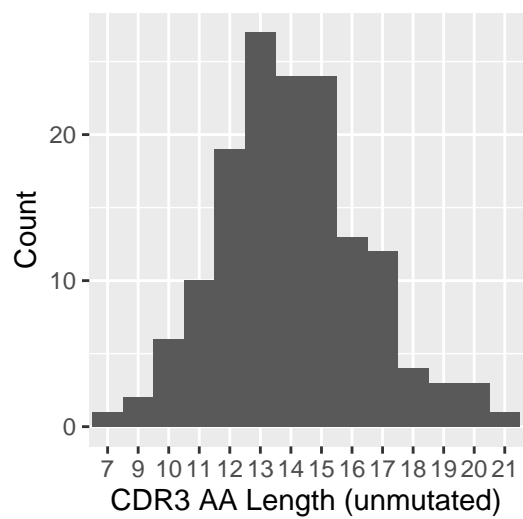


TRBV7-9*ap01

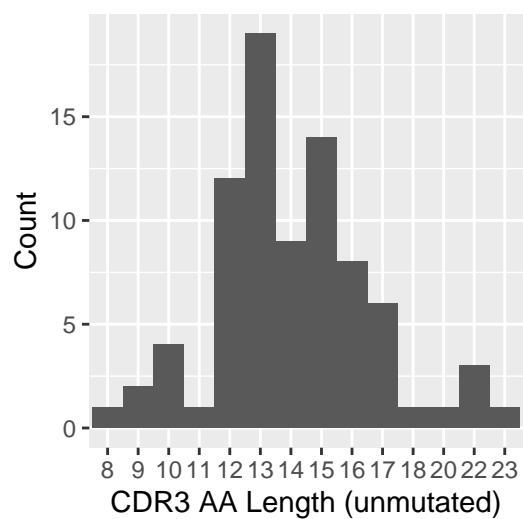
13696 sequences assigned
13574 (99.1%) exact matches, in which:
13425 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

