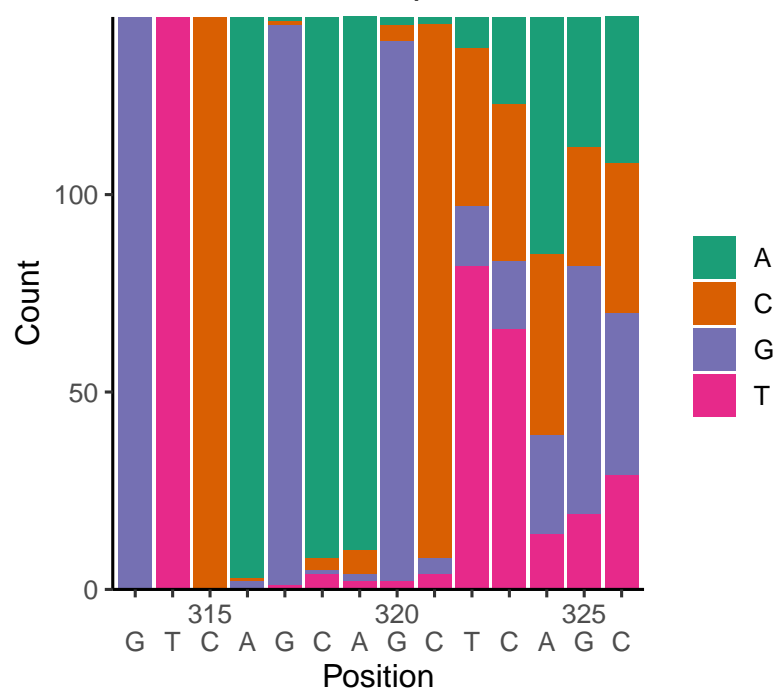
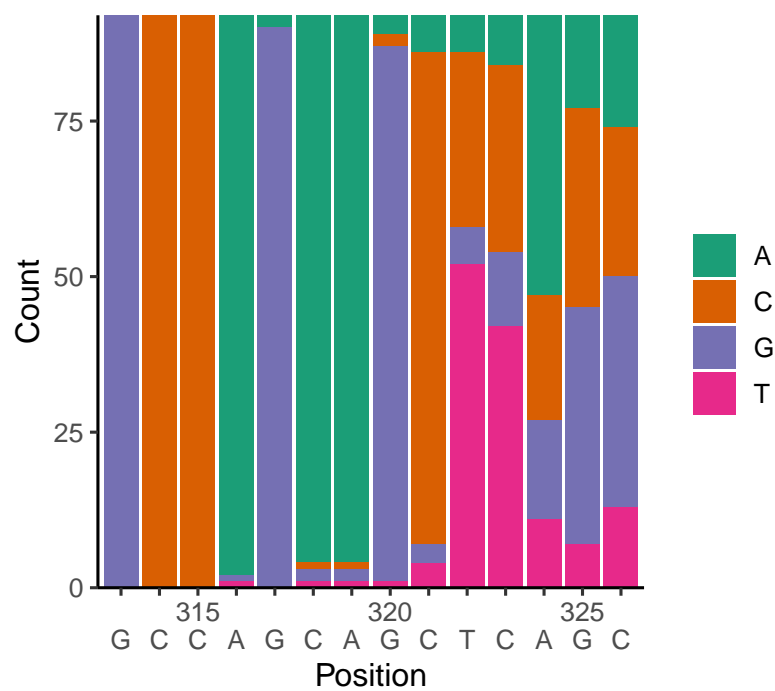


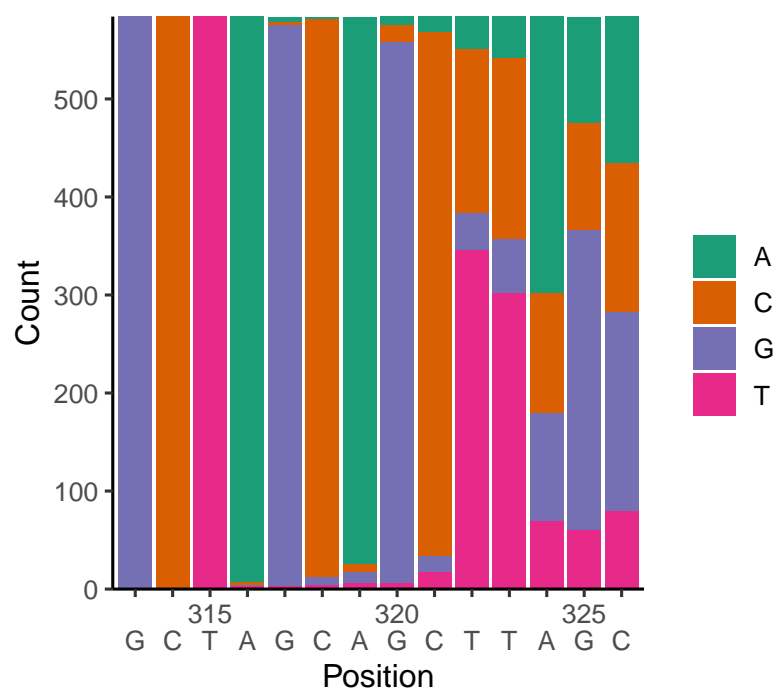
Gene TRBV7-1*ap01_G291C_T296C_C314T



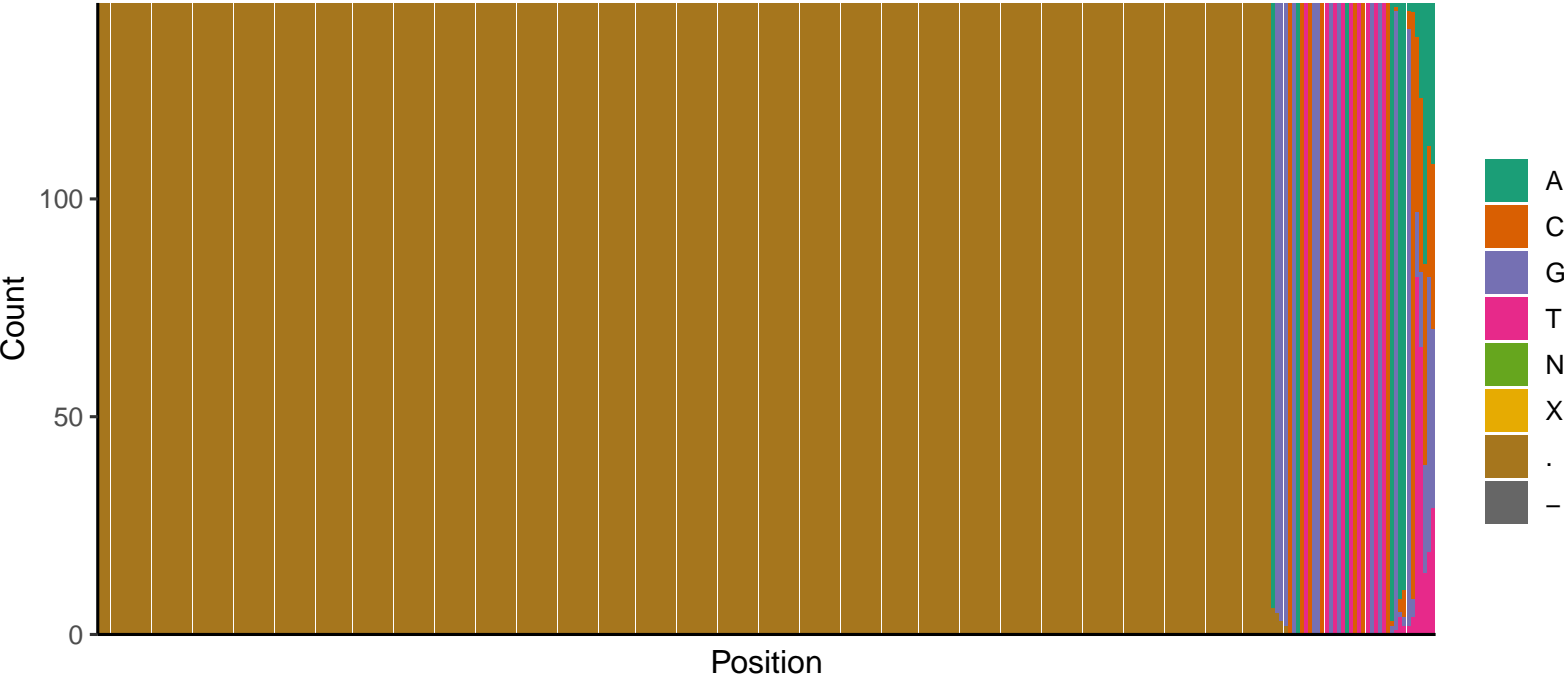
Gene TRBV7-1*ap01_G291C_T296C



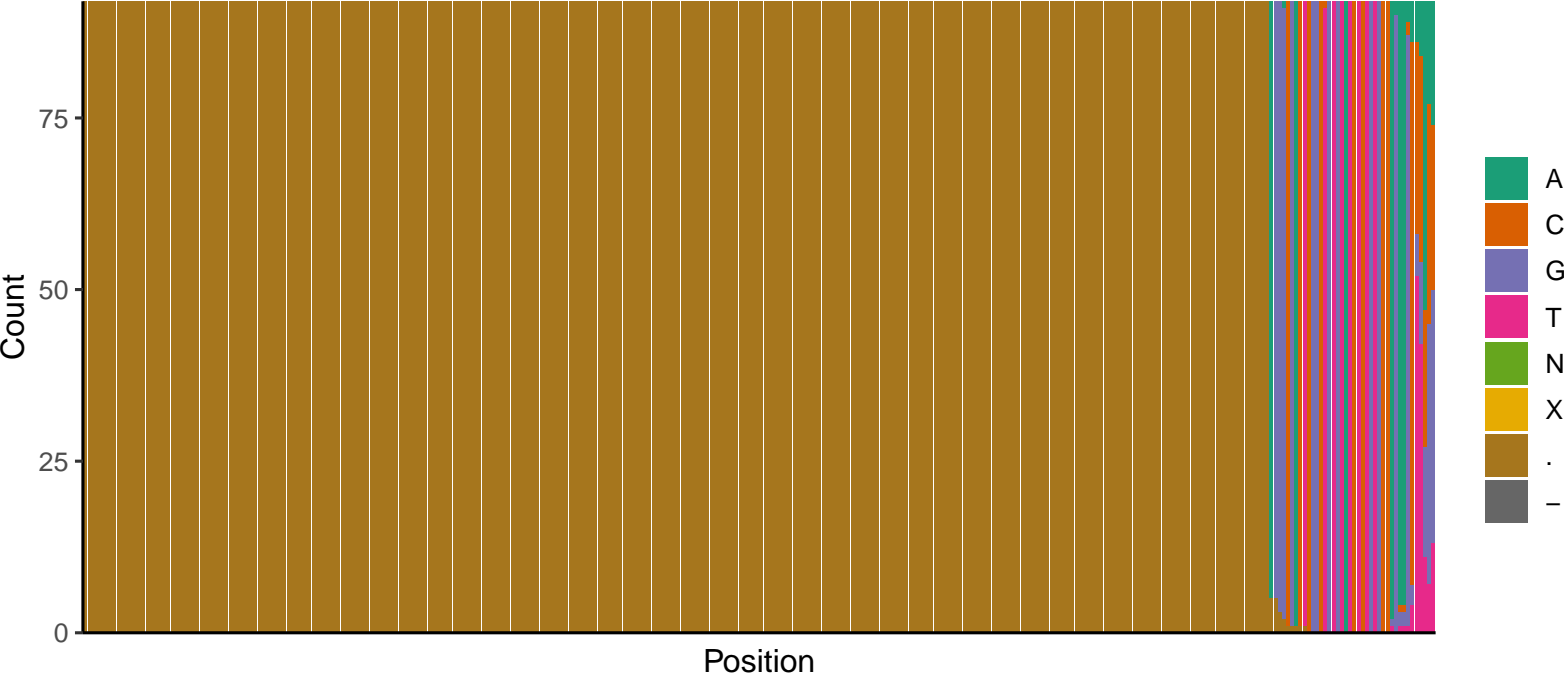
Gene TRBV7-7*ap01_C315T



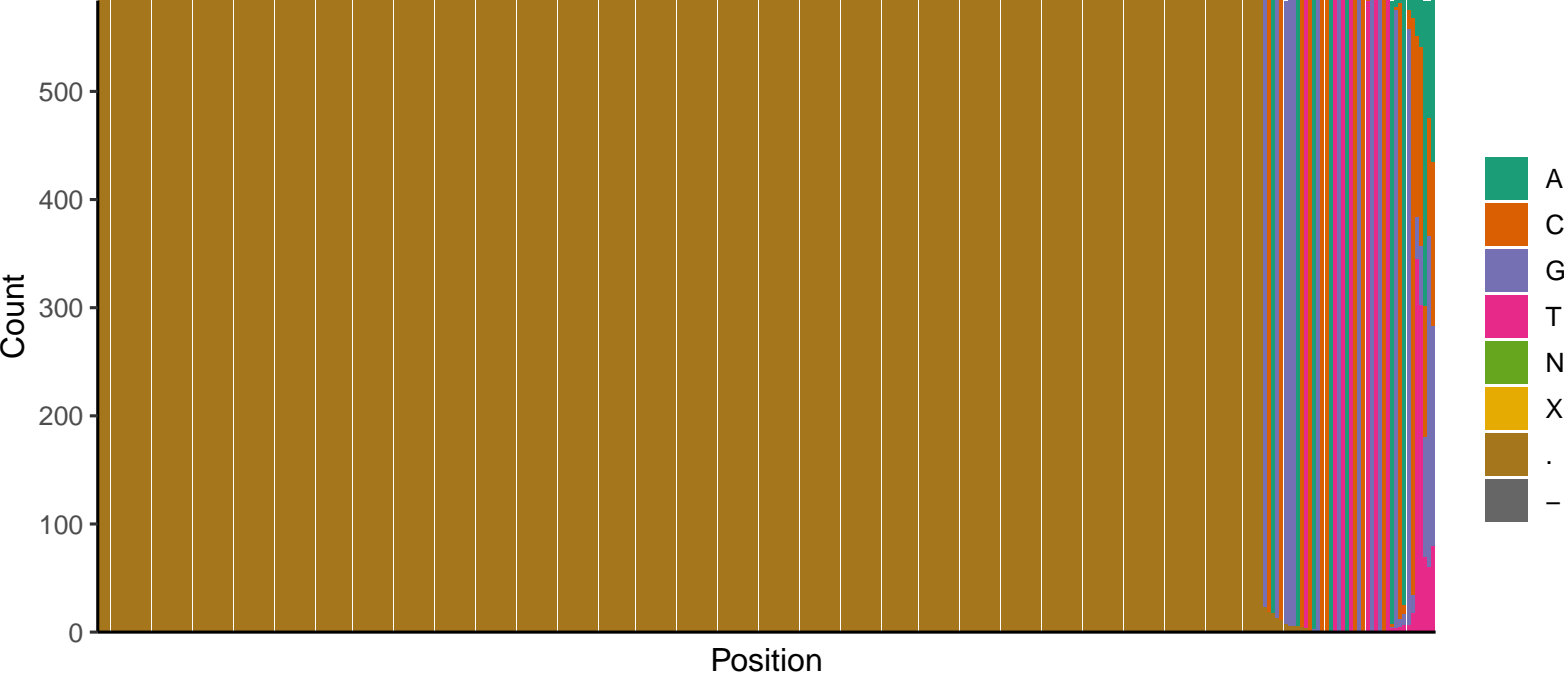
Gene TRBV7-1*ap01_G291C_T296C_C314T



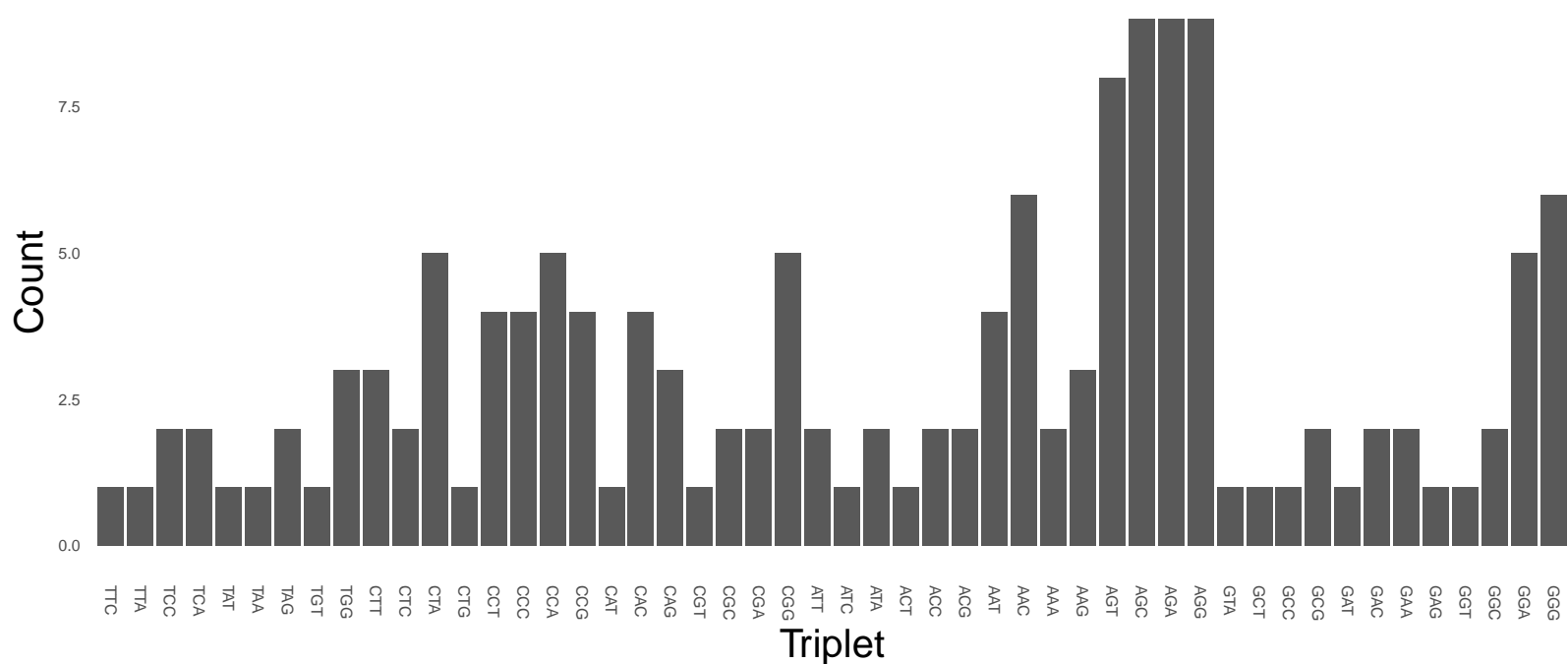
Gene TRBV7-1*ap01_G291C_T296C



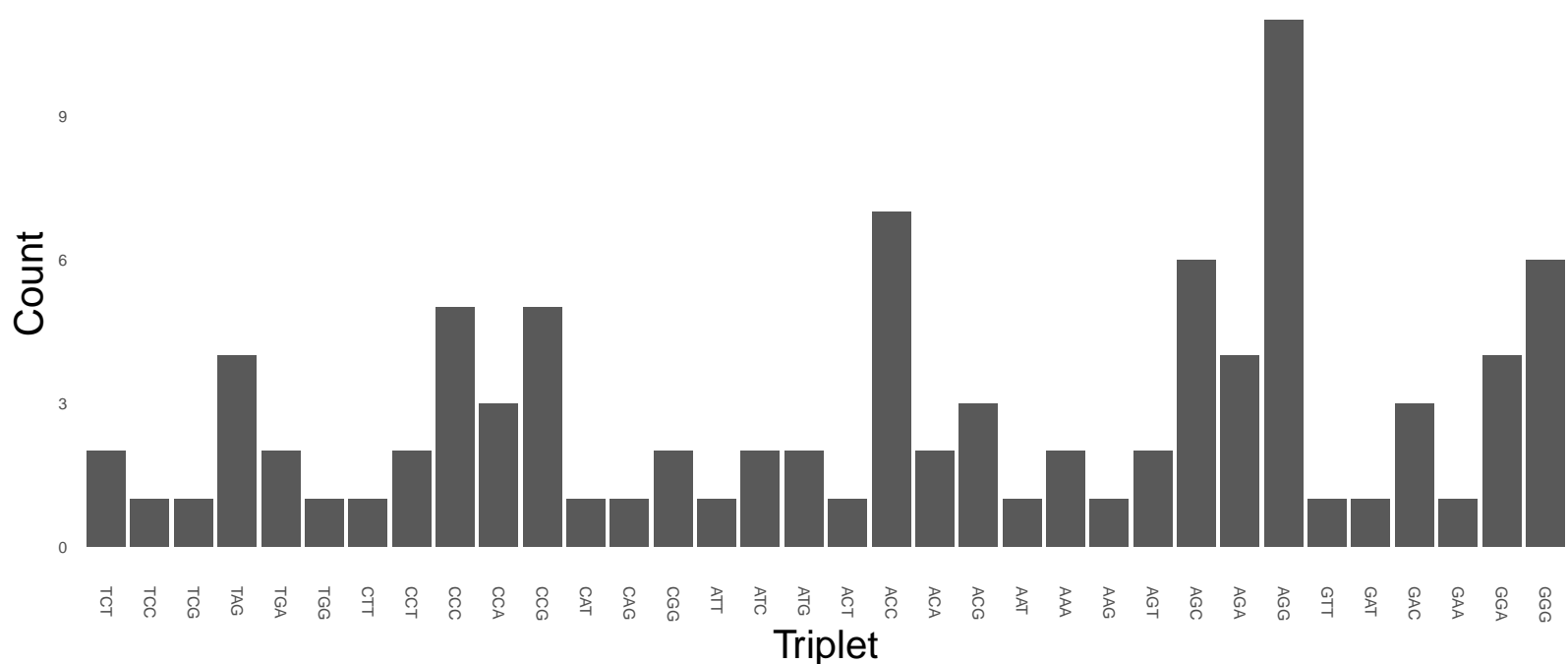
Gene TRBV7-7*ap01_C315T



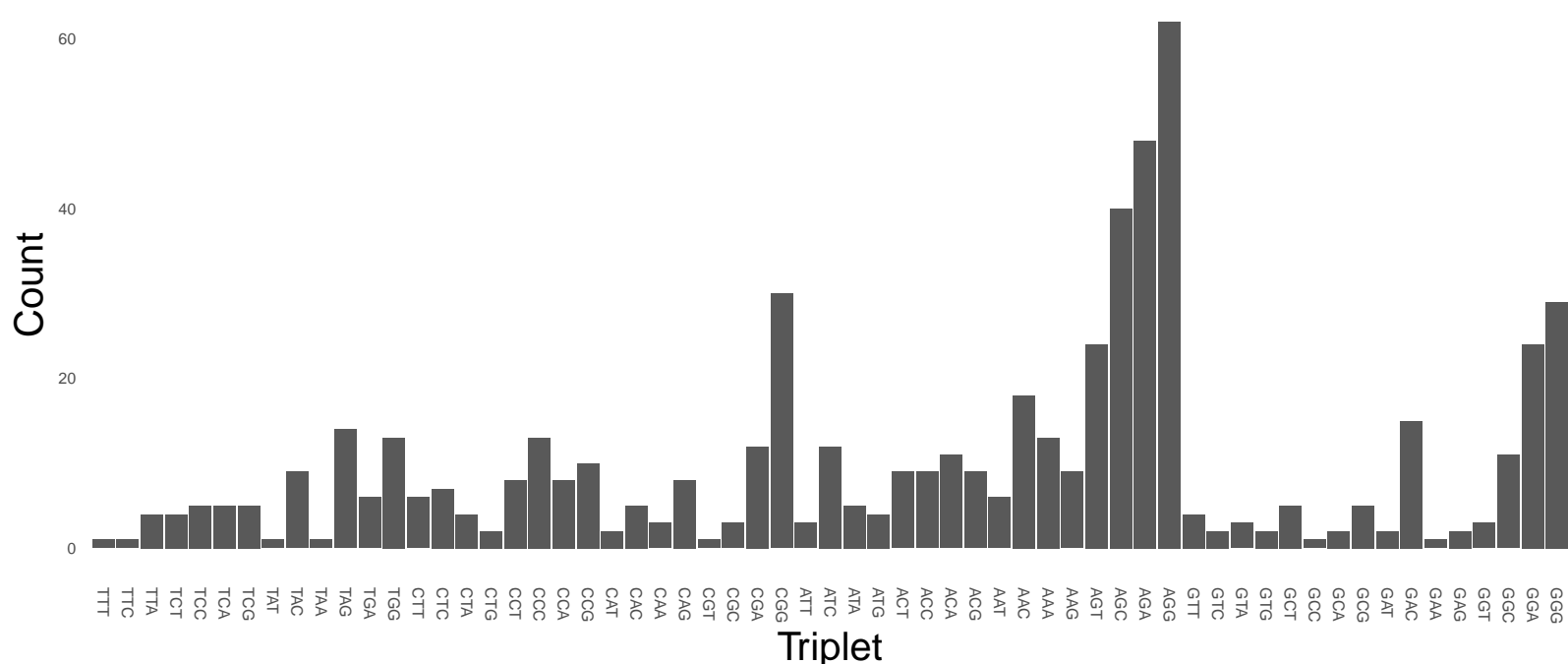
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

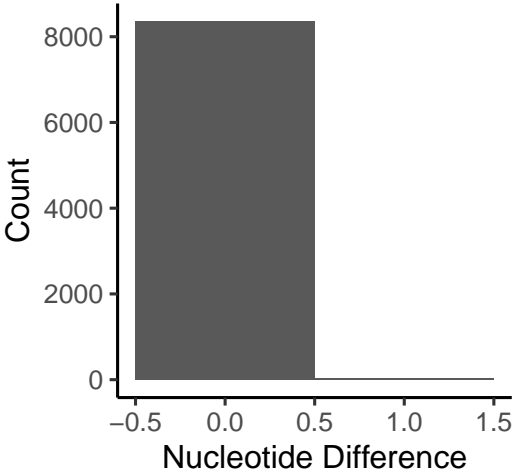


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



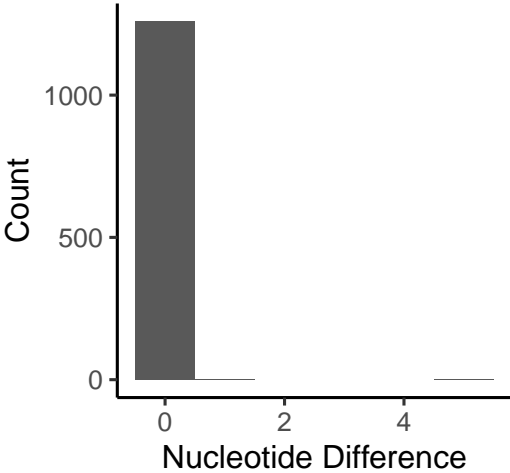
TRBV20-1*ap01

8387 sequences assigned
8357 (99.6%) exact matches, in which:
8349 unique CDR3
13 unique J



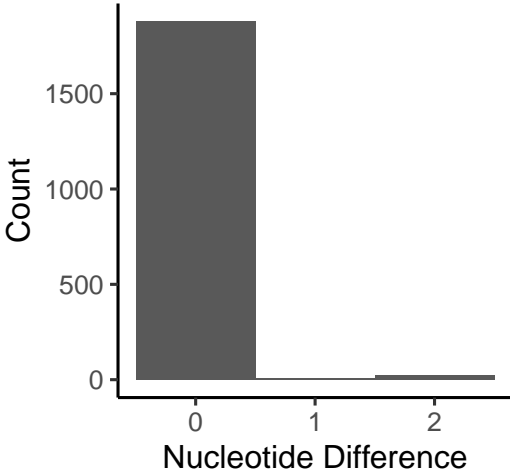
TRBV10-2*ap01

1262 sequences assigned
1259 (99.8%) exact matches, in which:
1257 unique CDR3
13 unique J



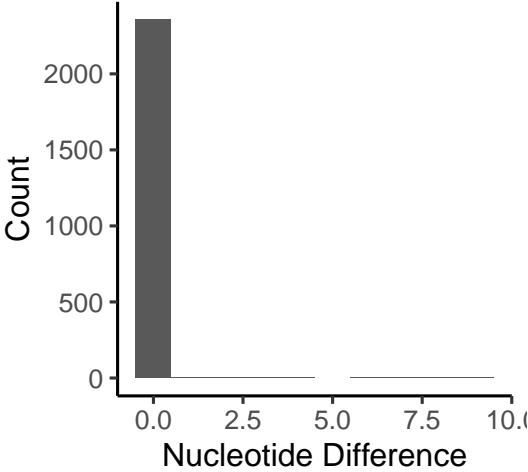
TRBV13*ap01

1908 sequences assigned
1879 (98.5%) exact matches, in which:
1874 unique CDR3
13 unique J



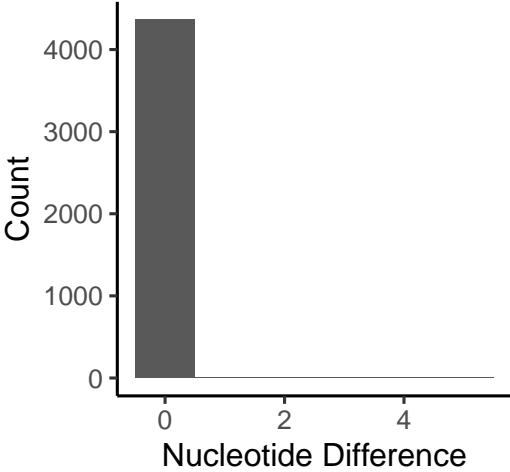
TRBV10-1*ap01

2368 sequences assigned
2356 (99.5%) exact matches, in which:
2355 unique CDR3
13 unique J



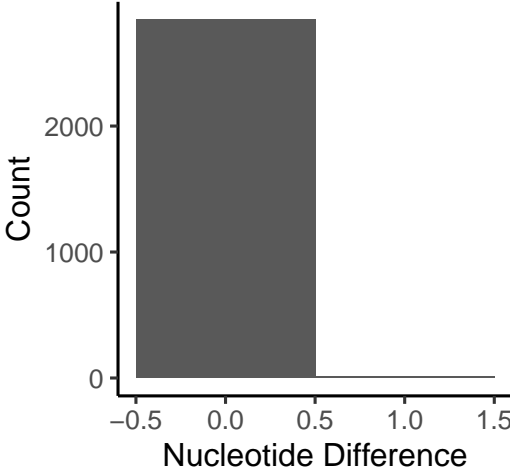
TRBV10-3*ap01

4380 sequences assigned
4363 (99.6%) exact matches, in which:
4356 unique CDR3
13 unique J



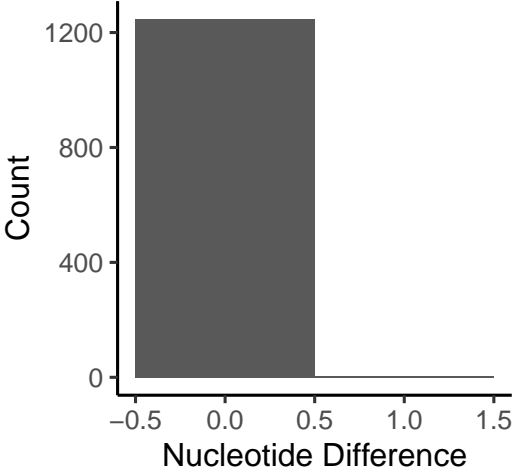
TRBV14*ap01

2852 sequences assigned
2844 (99.7%) exact matches, in which:
2843 unique CDR3
13 unique J



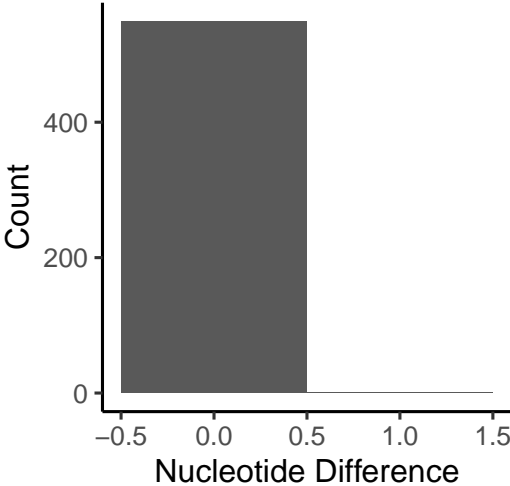
TRBV20-1*ap02

1251 sequences assigned
1247 (99.7%) exact matches, in which:
1247 unique CDR3
13 unique J



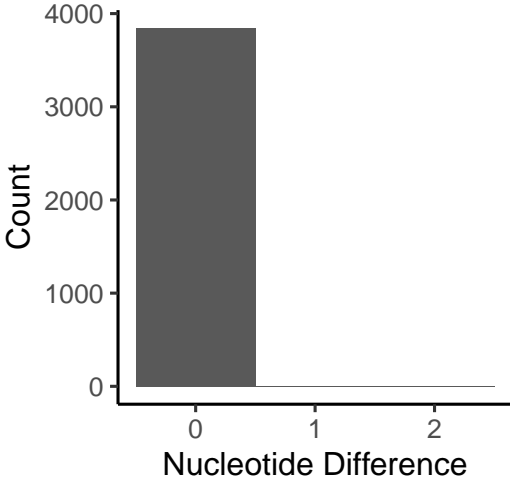
TRBV1*ap01

550 sequences assigned
549 (99.8%) exact matches, in which:
548 unique CDR3
13 unique J



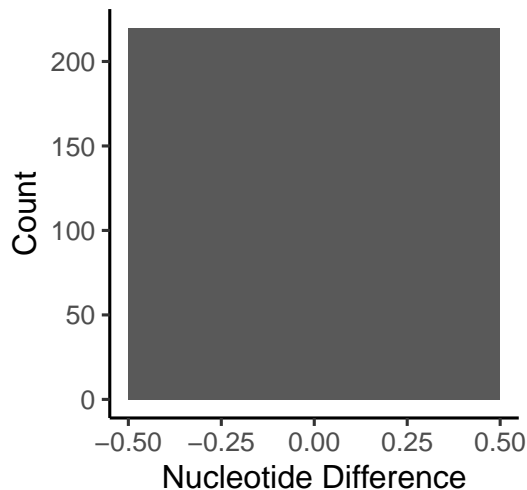
TRBV15*ap02

3851 sequences assigned
3845 (99.8%) exact matches, in which:
3838 unique CDR3
13 unique J



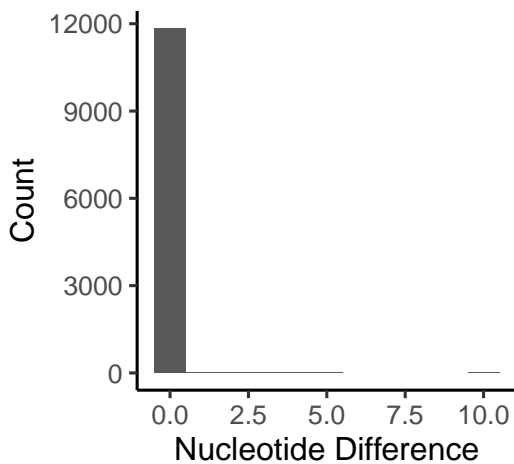
TRBV16*ap01

220 sequences assigned
220 (100%) exact matches, in which:
220 unique CDR3
13 unique J



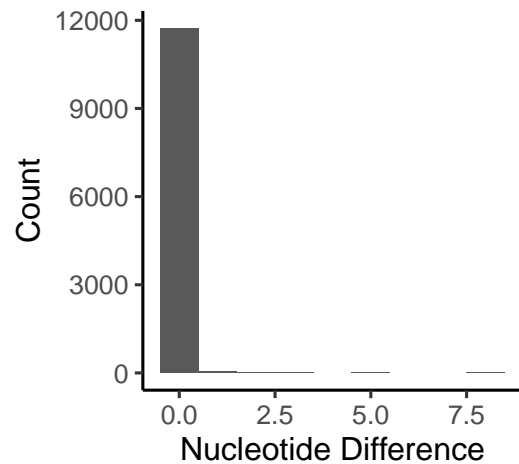
TRBV19*ap01

11878 sequences assigned
11848 (99.7%) exact matches, in which:
11848 unique CDR3
13 unique J



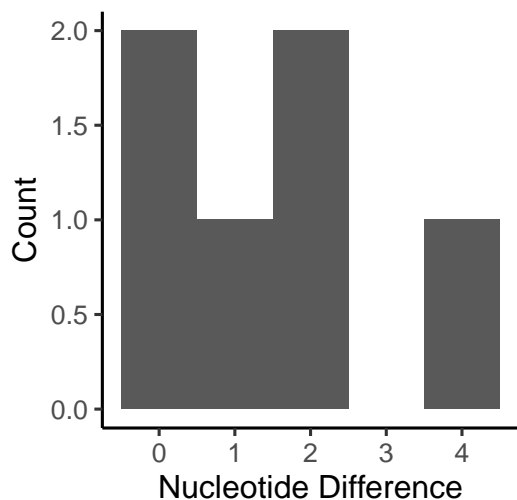
TRBV27*ap01

11796 sequences assigned
11733 (99.5%) exact matches, in which:
11711 unique CDR3
13 unique J



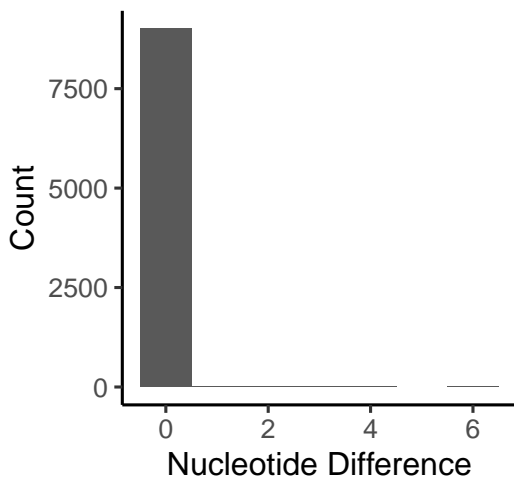
TRBV17*ap01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



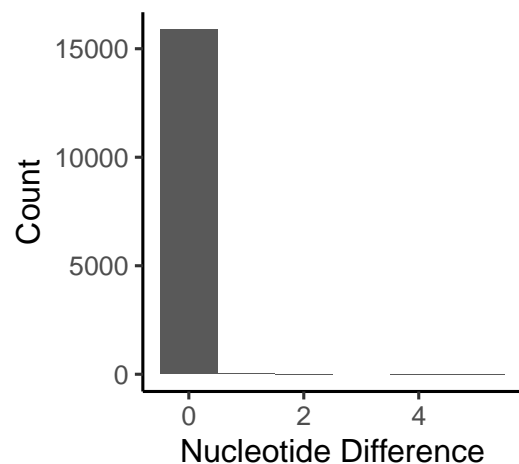
TRBV2*ap01

9036 sequences assigned
9006 (99.7%) exact matches, in which:
8981 unique CDR3
13 unique J



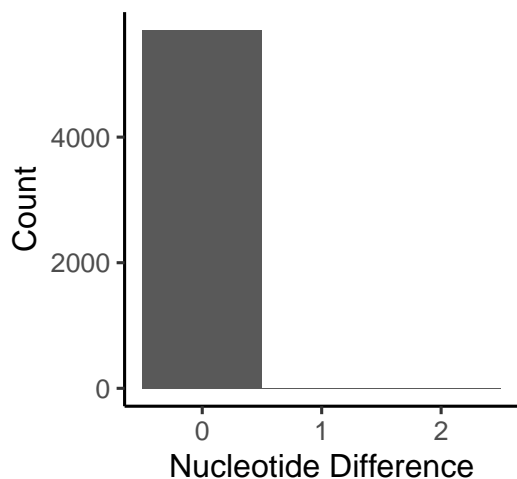
TRBV28*ap01

15935 sequences assigned
15888 (99.7%) exact matches, in which:
15878 unique CDR3
13 unique J



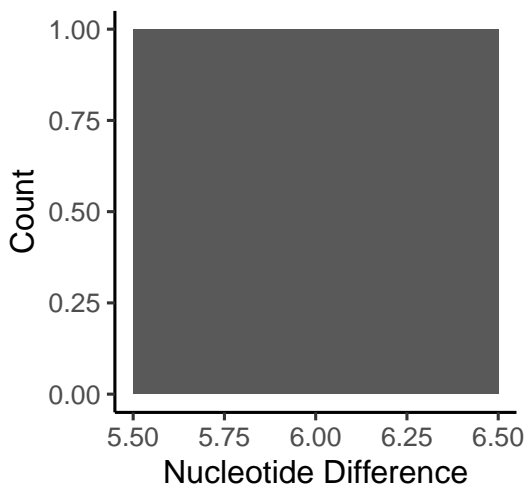
TRBV18*ap01

5709 sequences assigned
5705 (99.9%) exact matches, in which:
5702 unique CDR3
13 unique J



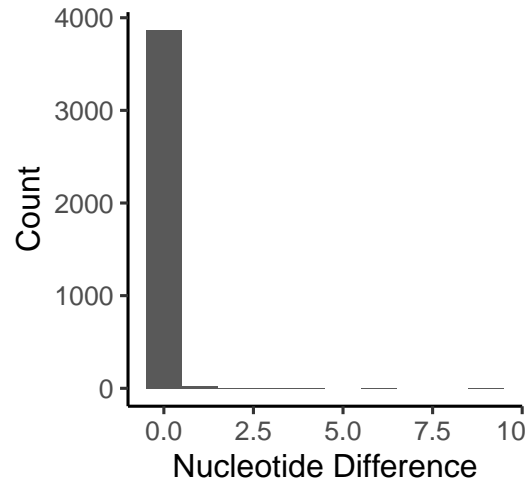
TRBV26*ap01

1 sequences assigned
No exact matches.



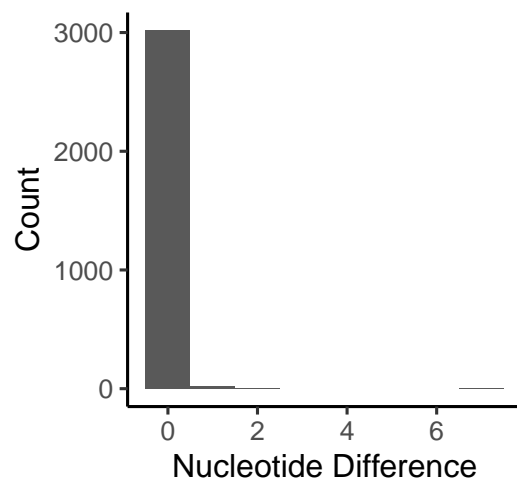
TRBV30*ap01

3903 sequences assigned
3867 (99.1%) exact matches, in which:
3863 unique CDR3
13 unique J



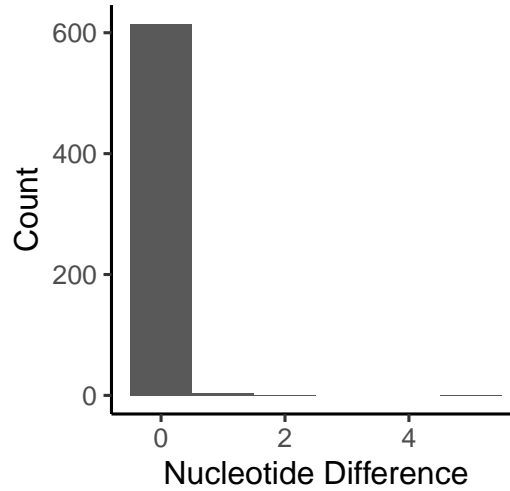
TRBV30*ap02

3043 sequences assigned
3018 (99.2%) exact matches, in which:
3013 unique CDR3
13 unique J



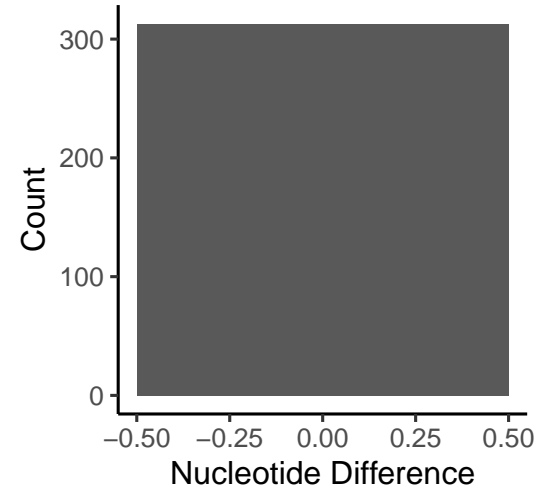
TRBV11-1*ap01

621 sequences assigned
615 (99%) exact matches, in which:
615 unique CDR3
13 unique J



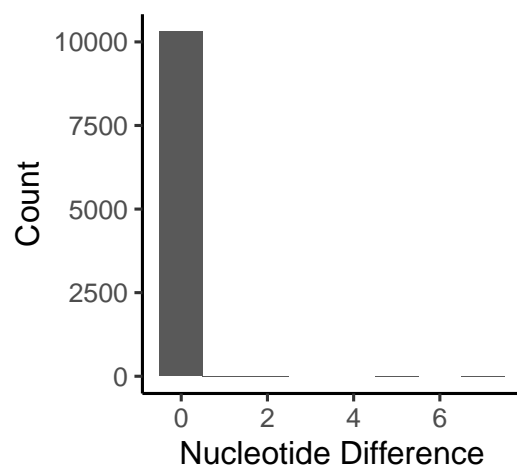
TRBV12-1*ap01

313 sequences assigned
313 (100%) exact matches, in which:
313 unique CDR3
13 unique J



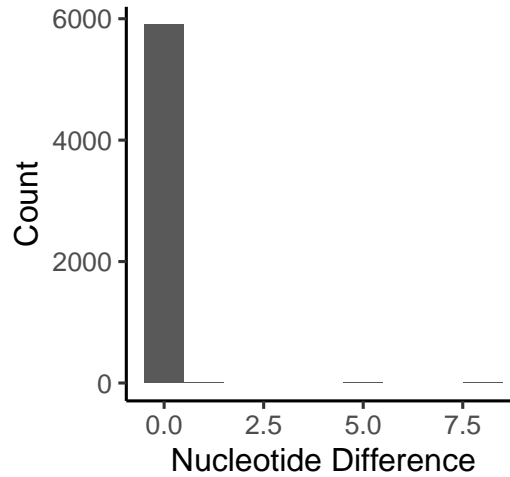
TRBV9*ap01

10332 sequences assigned
10312 (99.8%) exact matches, in which:
10296 unique CDR3
13 unique J



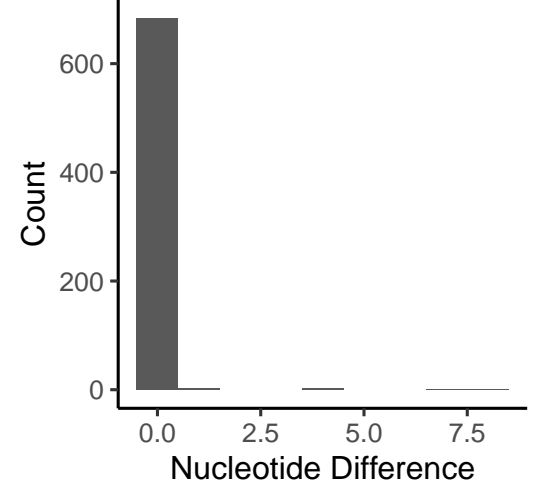
TRBV11-2*ap01

5912 sequences assigned
5901 (99.8%) exact matches, in which:
5898 unique CDR3
13 unique J



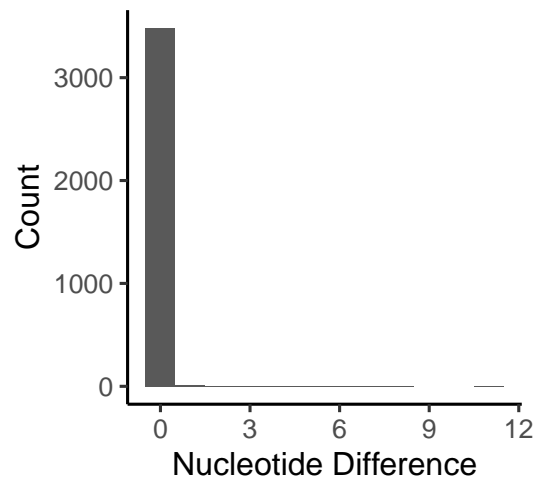
TRBV12-2*ap01

690 sequences assigned
684 (99.1%) exact matches, in which:
682 unique CDR3
13 unique J



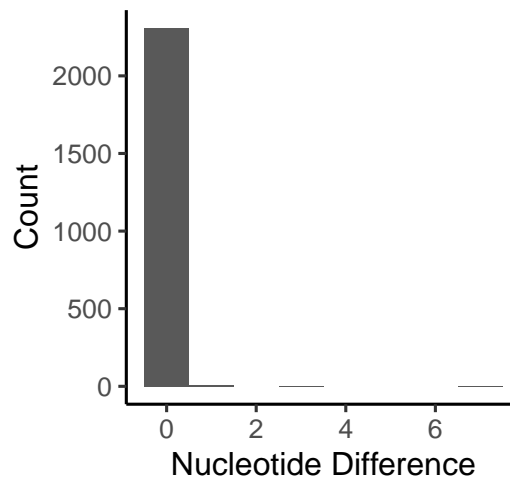
TRBV21-1*ap01

3514 sequences assigned
3482 (99.1%) exact matches, in which:
3482 unique CDR3
13 unique J



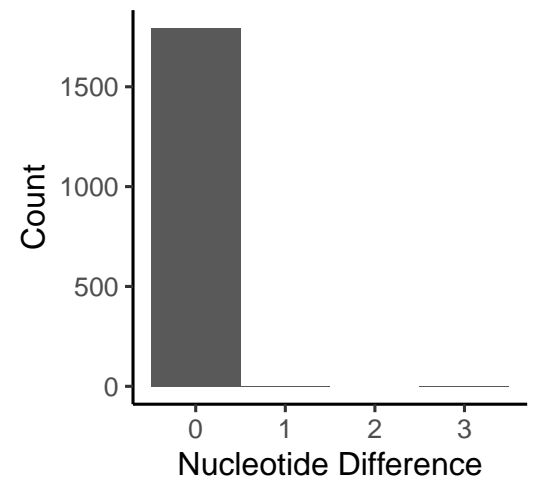
TRBV11-3*ap01

2318 sequences assigned
2308 (99.6%) exact matches, in which:
2306 unique CDR3
13 unique J



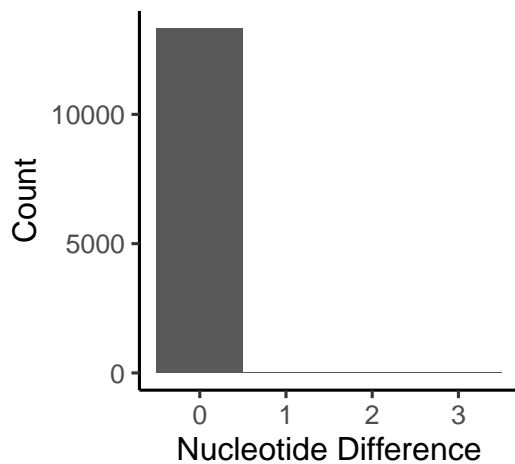
TRBV12-5*ap01

1797 sequences assigned
1794 (99.8%) exact matches, in which:
1793 unique CDR3
13 unique J



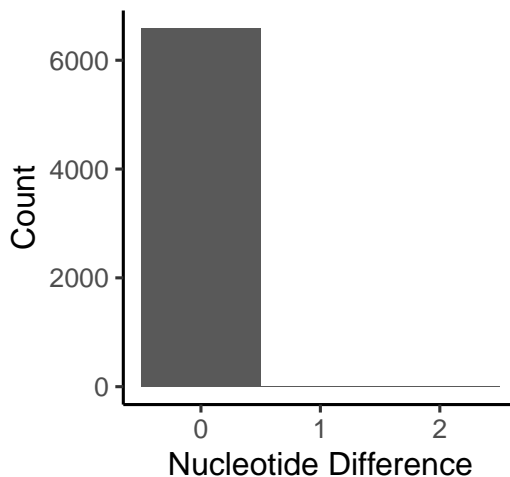
TRBV12–34*ap01

13366 sequences assigned
13334 (99.8%) exact matches, in which:
13329 unique CDR3
13 unique J



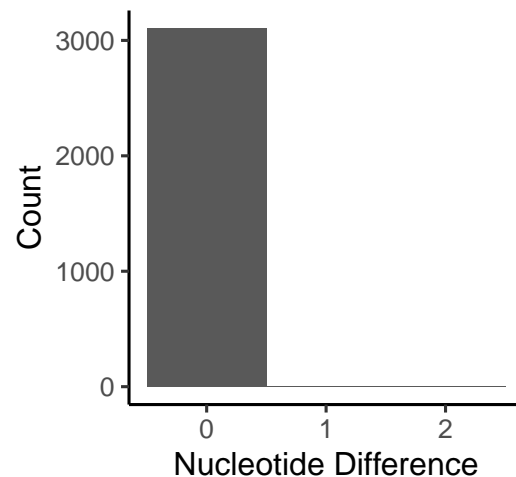
TRBV4–1*ap01

6602 sequences assigned
6585 (99.7%) exact matches, in which:
6576 unique CDR3
13 unique J



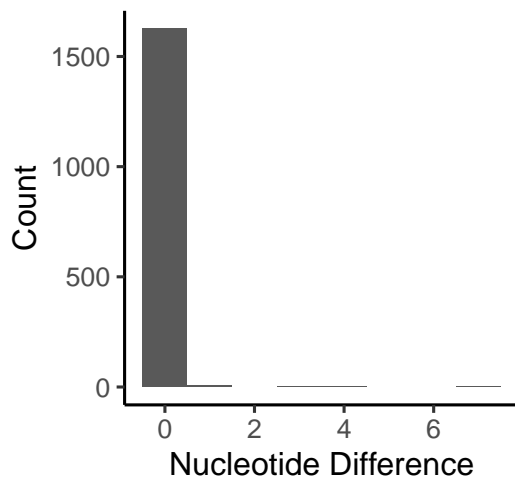
TRBV4–3*ap01

3110 sequences assigned
3104 (99.8%) exact matches, in which:
3102 unique CDR3
13 unique J



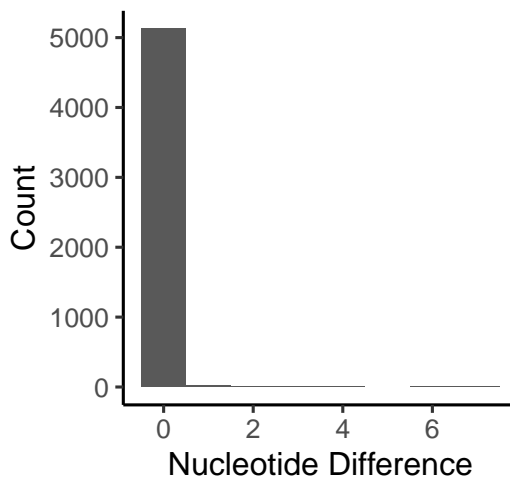
TRBV23–1*ap01

1635 sequences assigned
1626 (99.4%) exact matches, in which:
1625 unique CDR3
13 unique J



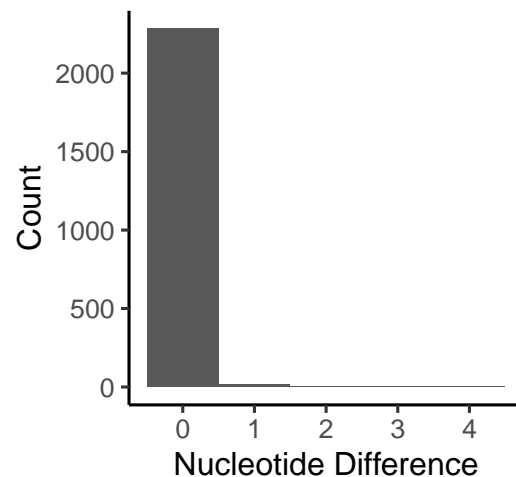
TRBV24–1*ap01

5159 sequences assigned
5127 (99.4%) exact matches, in which:
5116 unique CDR3
13 unique J



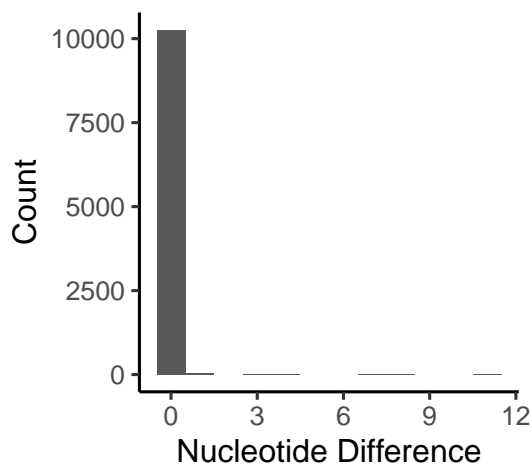
TRBV25–1*ap01

2301 sequences assigned
2283 (99.2%) exact matches, in which:
2280 unique CDR3
13 unique J



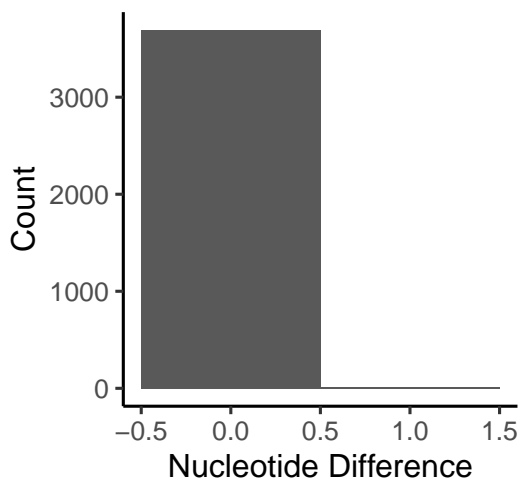
TRBV3–12*ap01

10314 sequences assigned
10264 (99.5%) exact matches, in which:
10243 unique CDR3
13 unique J



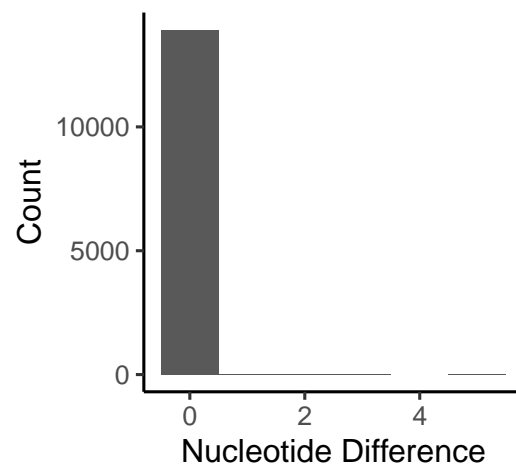
TRBV4–2*ap01

3707 sequences assigned
3692 (99.6%) exact matches, in which:
3685 unique CDR3
13 unique J



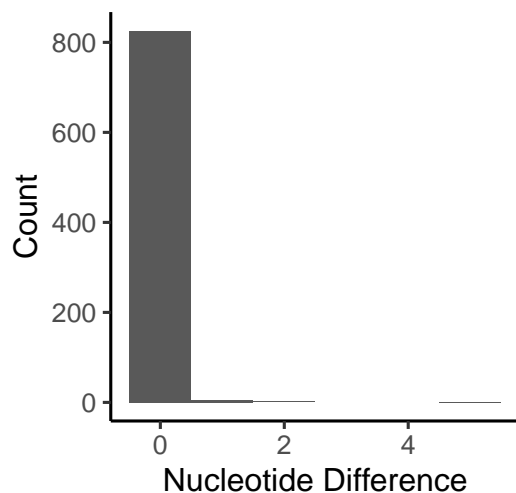
TRBV5–1*ap01

13960 sequences assigned
13920 (99.7%) exact matches, in which:
13877 unique CDR3
13 unique J



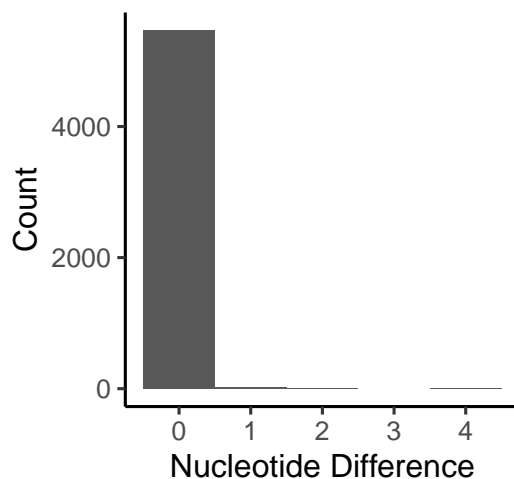
TRBV5-3*ap01

834 sequences assigned
826 (99%) exact matches, in which:
826 unique CDR3
13 unique J



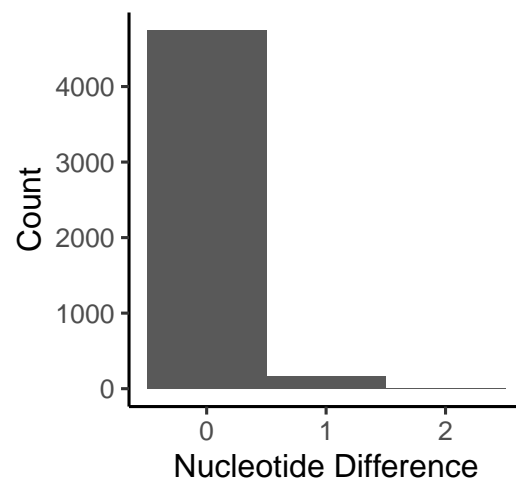
TRBV5-6*ap01

5488 sequences assigned
5467 (99.6%) exact matches, in which:
5448 unique CDR3
13 unique J



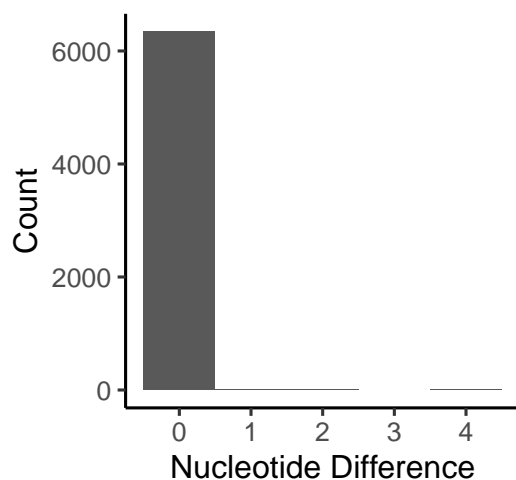
TRBV6-1*ap01

4910 sequences assigned
4743 (96.6%) exact matches, in which:
4733 unique CDR3
13 unique J



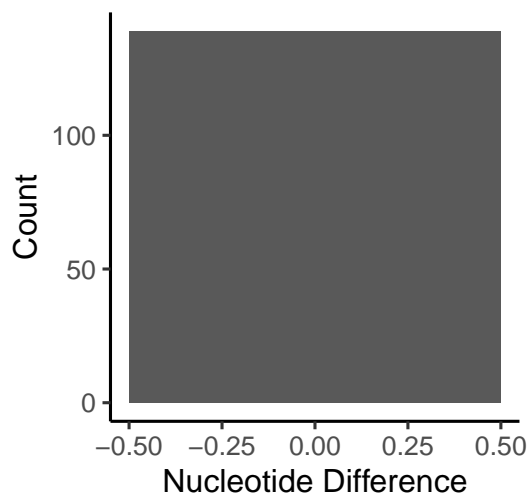
TRBV5-4*ap01

6360 sequences assigned
6340 (99.7%) exact matches, in which:
6335 unique CDR3
13 unique J



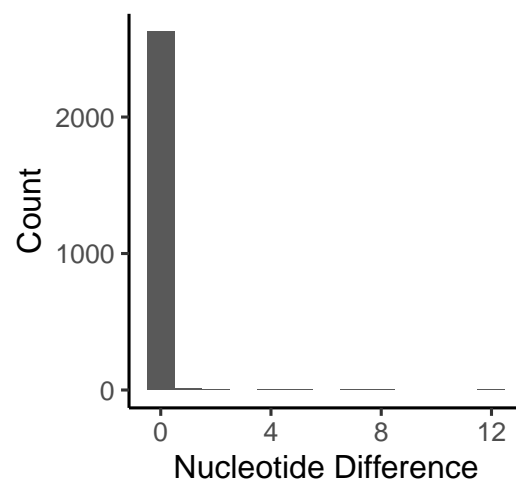
TRBV5-7*ap01

139 sequences assigned
139 (100%) exact matches, in which:
139 unique CDR3
13 unique J



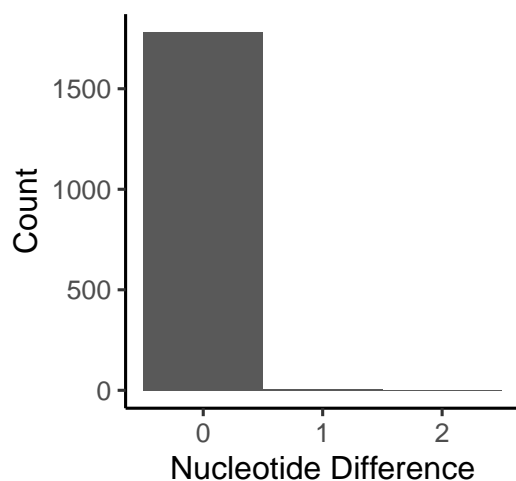
TRBV6-4*ap01

2644 sequences assigned
2625 (99.3%) exact matches, in which:
2624 unique CDR3
13 unique J



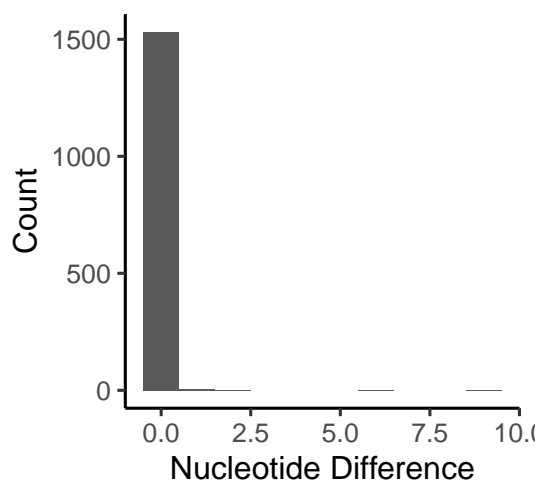
TRBV5-5*ap01

1791 sequences assigned
1782 (99.5%) exact matches, in which:
1777 unique CDR3
13 unique J



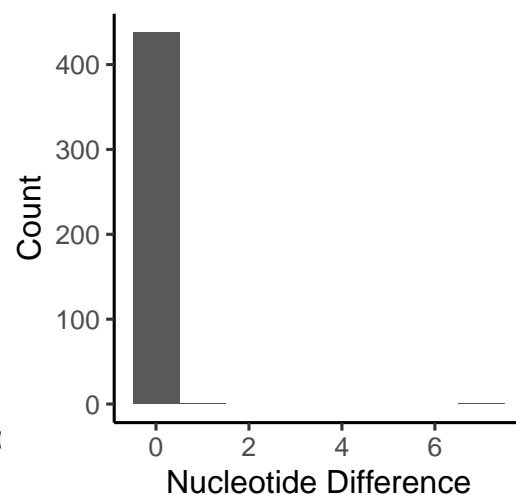
TRBV5-8*ap01

1543 sequences assigned
1531 (99.2%) exact matches, in which:
1531 unique CDR3
13 unique J



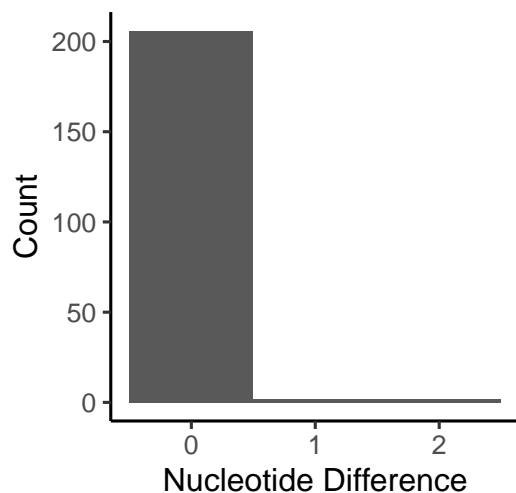
TRBV6-7*ap01

440 sequences assigned
438 (99.5%) exact matches, in which:
437 unique CDR3
13 unique J



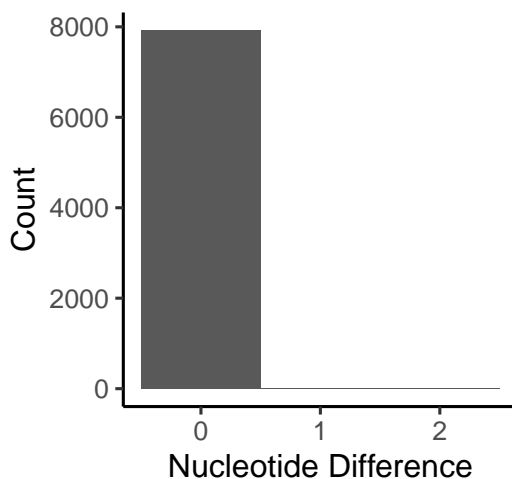
TRBV6–8*ap01

210 sequences assigned
206 (98.1%) exact matches, in which:
205 unique CDR3
13 unique J



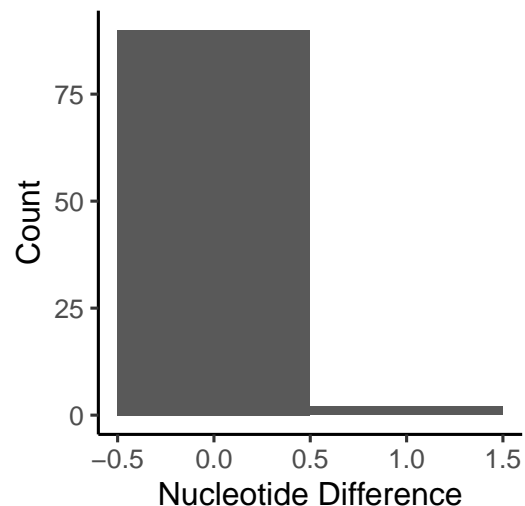
TRBV6–56*ap01

7945 sequences assigned
7921 (99.7%) exact matches, in which:
7906 unique CDR3
13 unique J



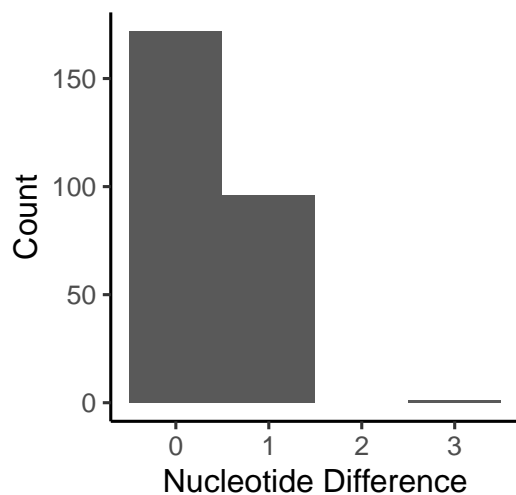
TRBV7–1*ap01_G291C_T

92 sequences assigned
90 (97.8%) exact matches, in which:
90 unique CDR3
12 unique J



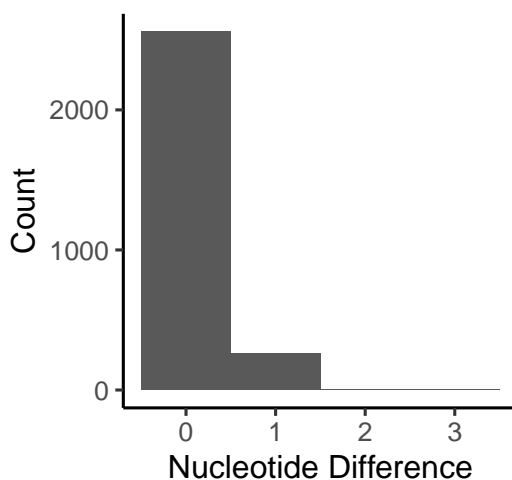
TRBV6–9*ap01

269 sequences assigned
172 (63.9%) exact matches, in which:
172 unique CDR3
13 unique J



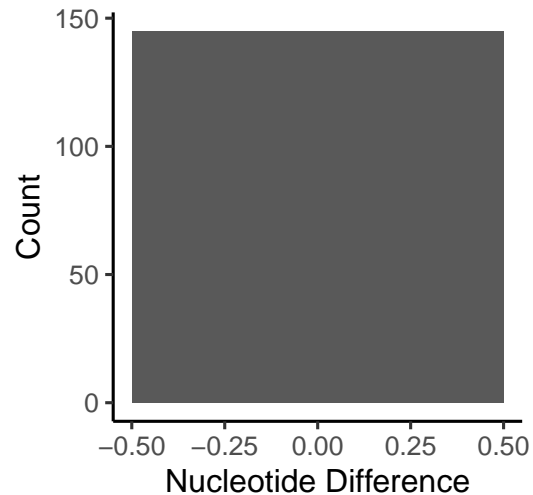
TRBV6–56*ap02

2820 sequences assigned
2558 (90.7%) exact matches, in which:
2551 unique CDR3
13 unique J



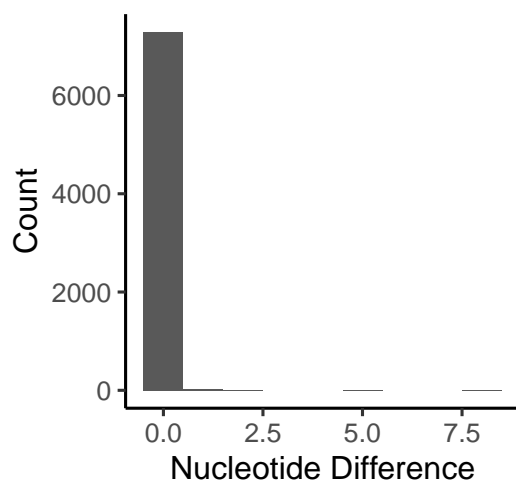
TRBV7–1*ap01_G291C_T

145 sequences assigned
145 (100%) exact matches, in which:
145 unique CDR3
13 unique J



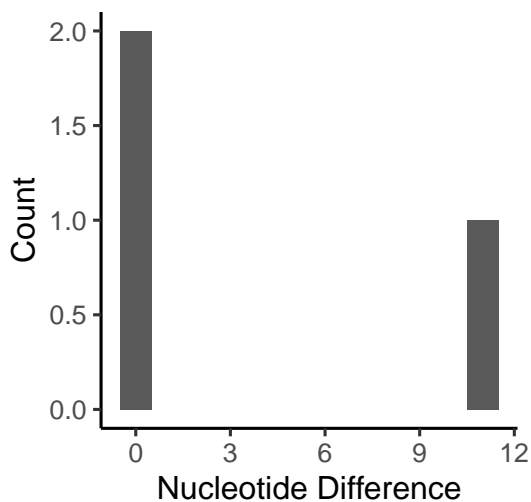
TRBV6–23*ap01

7320 sequences assigned
7291 (99.6%) exact matches, in which:
7277 unique CDR3
13 unique J



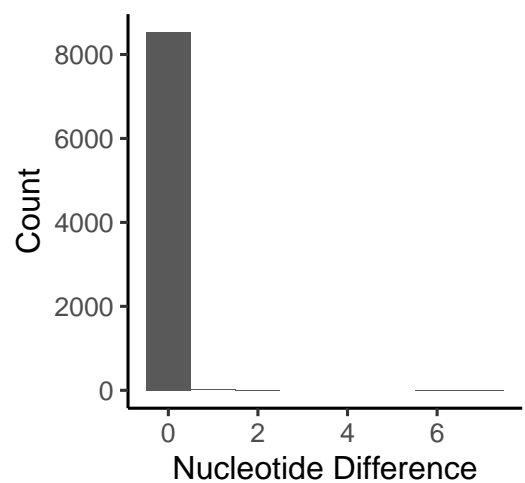
TRBV7–1*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



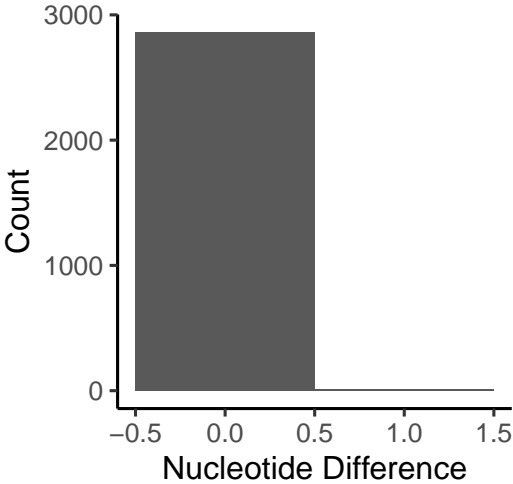
TRBV7–2*ap01

8558 sequences assigned
8535 (99.7%) exact matches, in which:
8531 unique CDR3
13 unique J



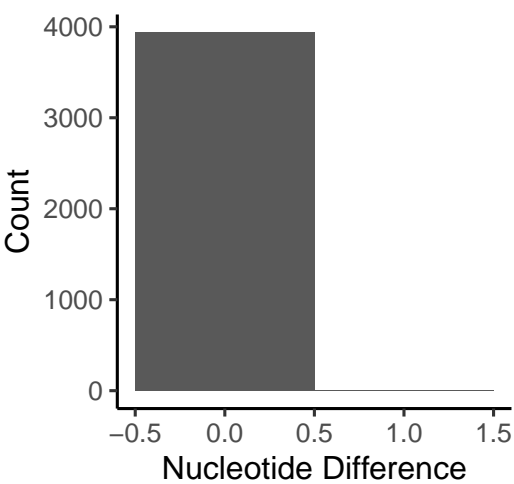
TRBV7-3*ap01

2871 sequences assigned
2860 (99.6%) exact matches, in which:
2854 unique CDR3
13 unique J



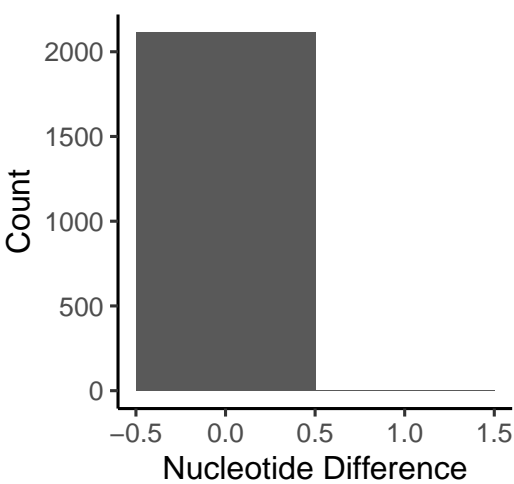
TRBV7-6*ap01

3944 sequences assigned
3938 (99.8%) exact matches, in which:
3934 unique CDR3
13 unique J



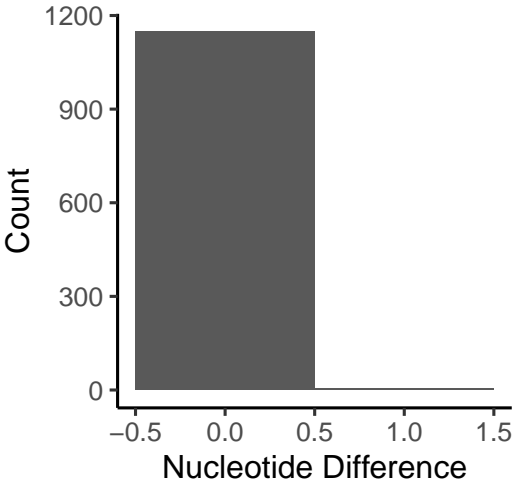
TRBV7-8*ap01

2118 sequences assigned
2114 (99.8%) exact matches, in which:
2113 unique CDR3
13 unique J



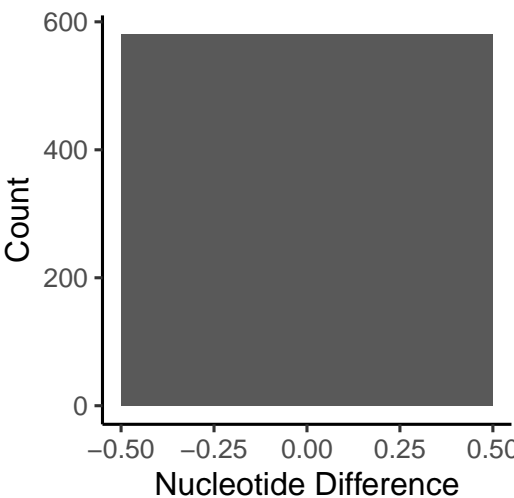
TRBV7-3*ap02

1152 sequences assigned
1148 (99.7%) exact matches, in which:
1147 unique CDR3
13 unique J



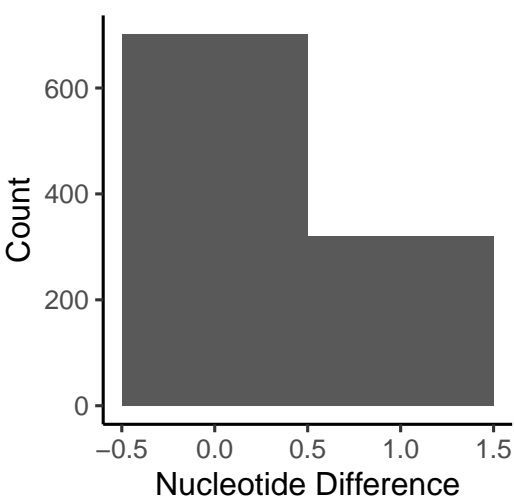
TRBV7-7*ap01

581 sequences assigned
581 (100%) exact matches, in which:
581 unique CDR3
13 unique J



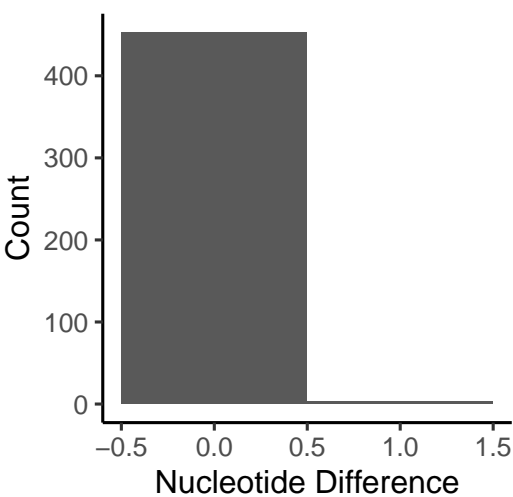
TRBV7-8*ap03

1023 sequences assigned
702 (68.6%) exact matches, in which:
702 unique CDR3
13 unique J



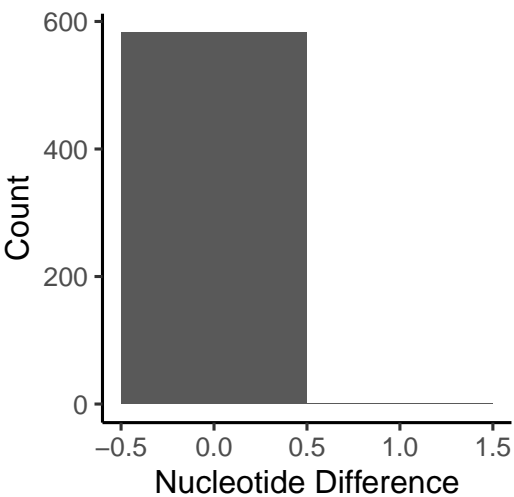
TRBV7-4*ap01

456 sequences assigned
453 (99.3%) exact matches, in which:
453 unique CDR3
13 unique J



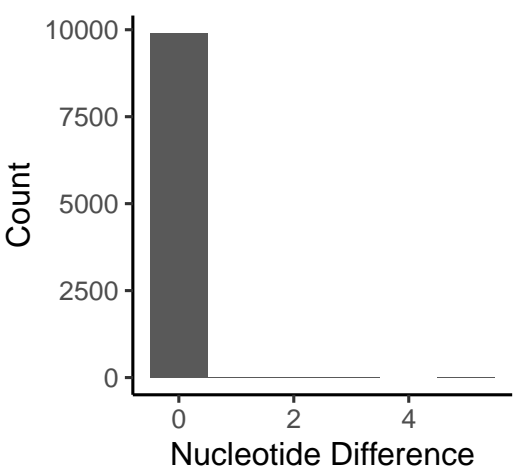
TRBV7-7*ap01_C315T

584 sequences assigned
583 (99.8%) exact matches, in which:
582 unique CDR3
13 unique J



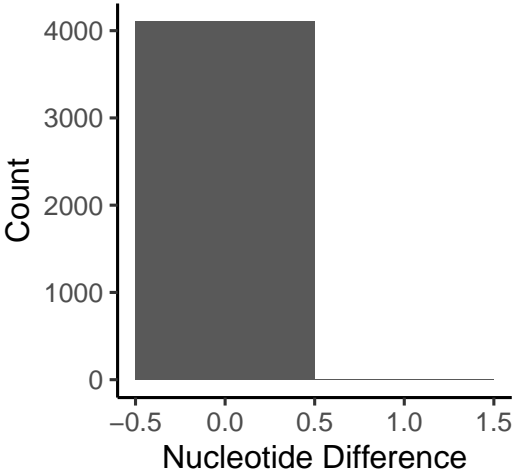
TRBV7-9*ap01

9935 sequences assigned
9912 (99.8%) exact matches, in which:
9909 unique CDR3
13 unique J



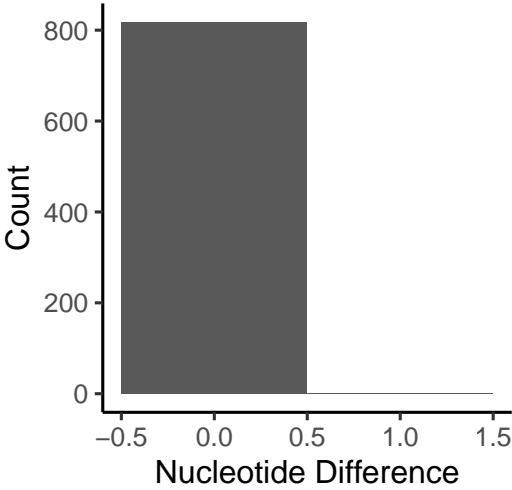
TRBV29-1*ap01

4117 sequences assigned
4106 (99.7%) exact matches, in which:
4101 unique CDR3
13 unique J

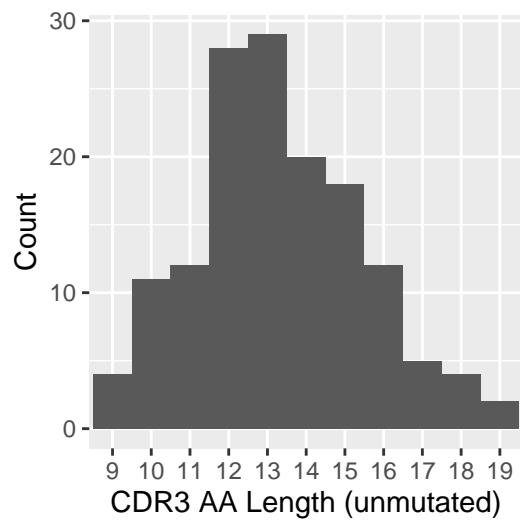


TRBV29-1*ap02

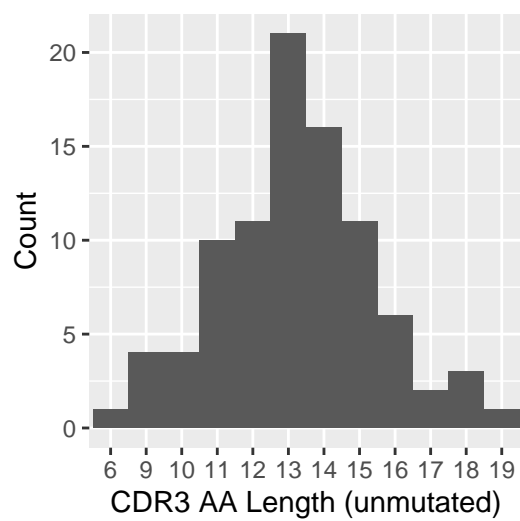
820 sequences assigned
818 (99.8%) exact matches, in which:
817 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

