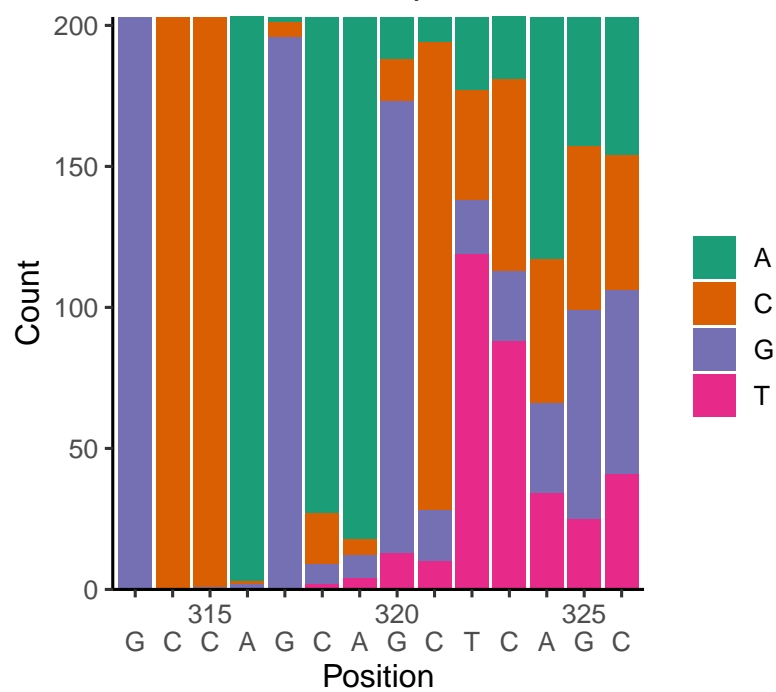
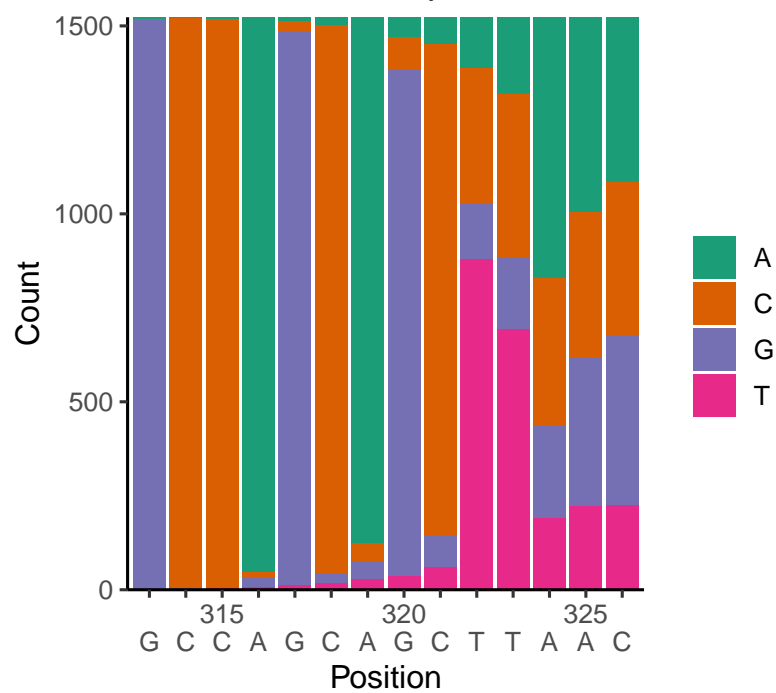


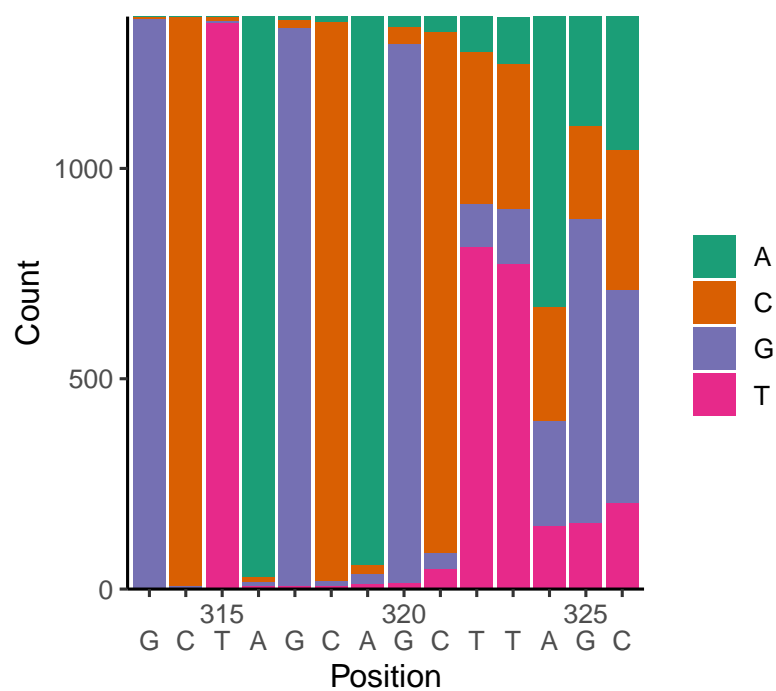
Gene TRBV7-1*ap01_G291C_T296C



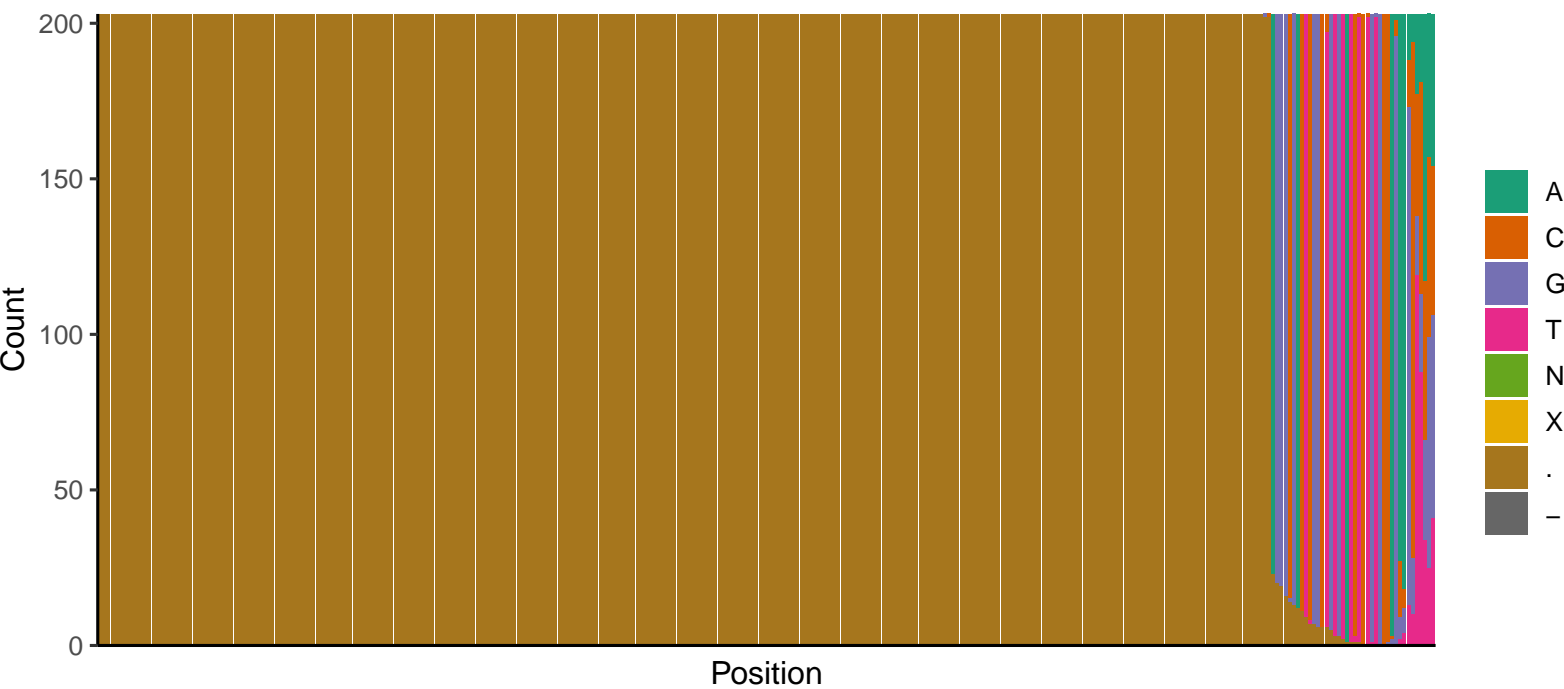
Gene TRBV7-3*ap01_G292T



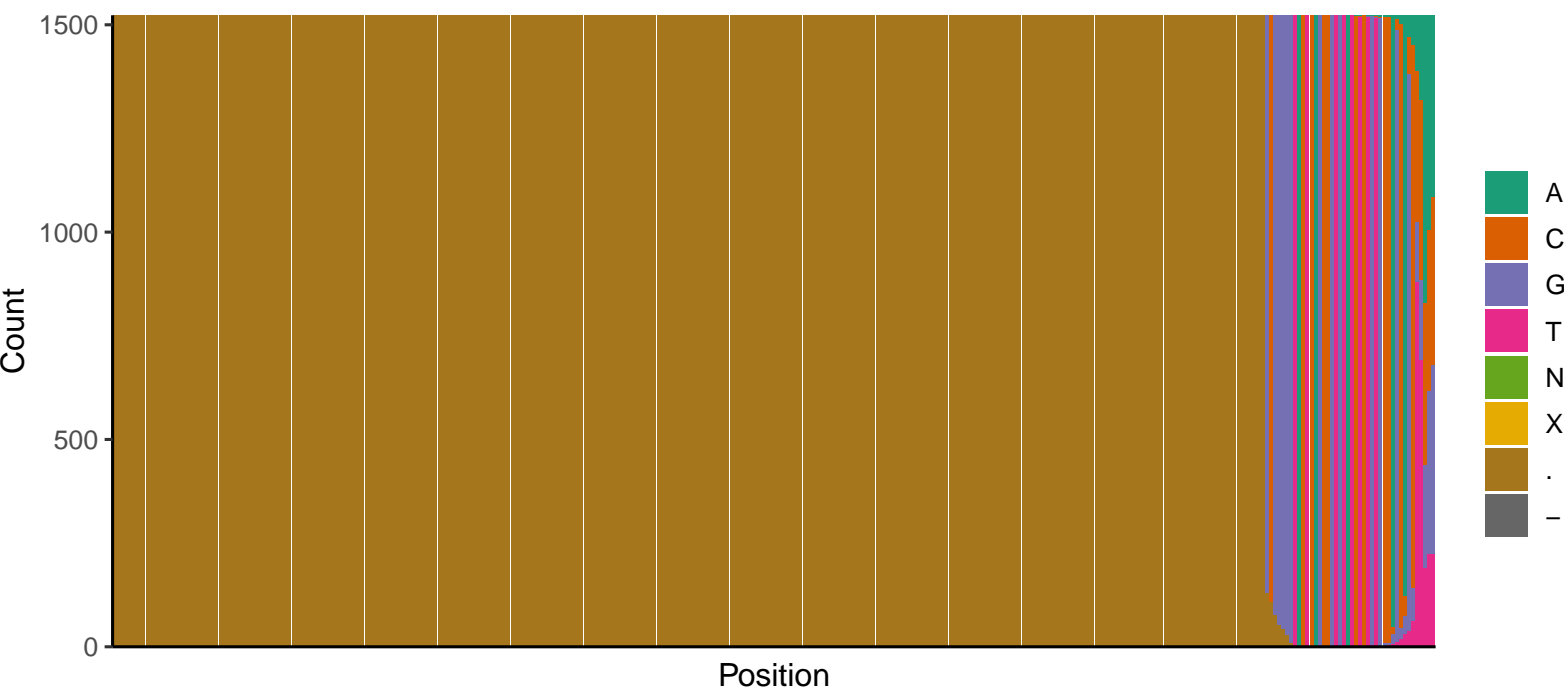
Gene TRBV7-7*ap01_C315T



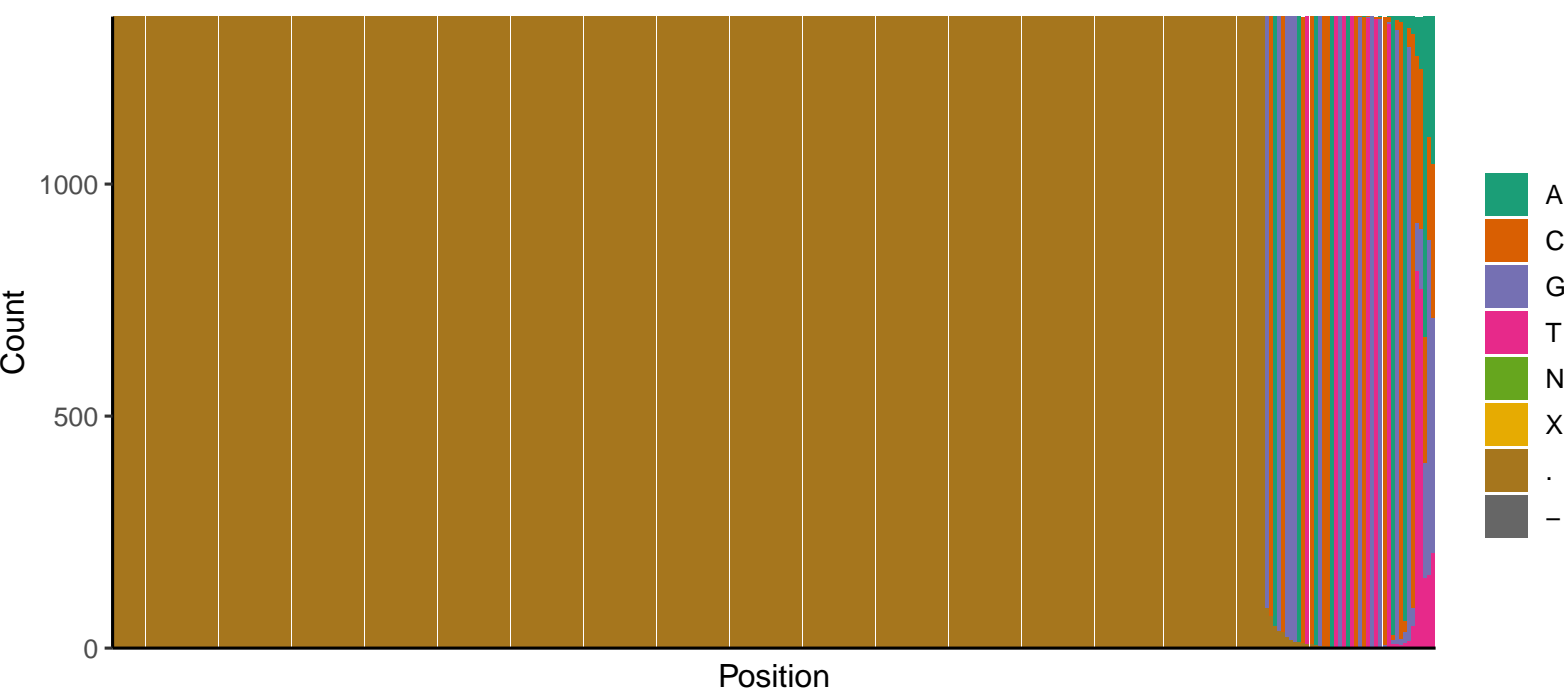
Gene TRBV7-1*ap01_G291C_T296C



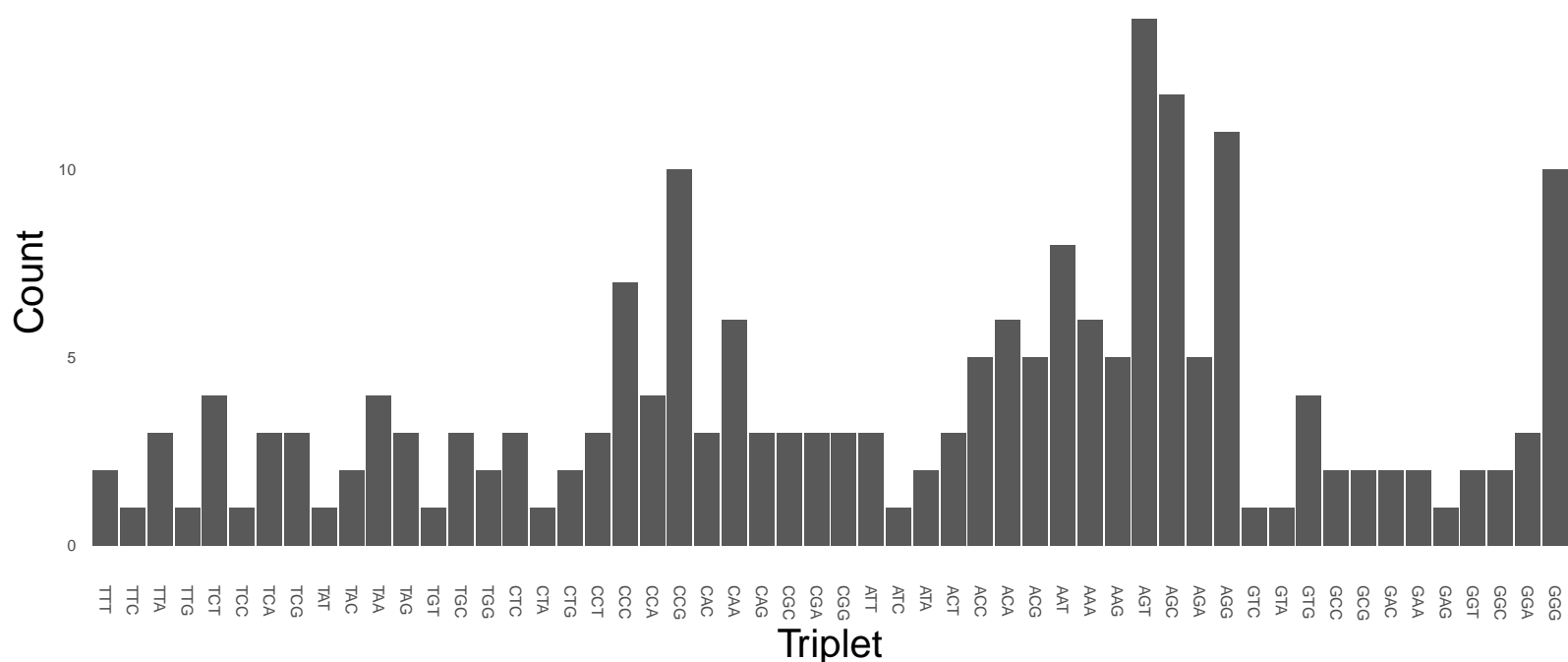
Gene TRBV7-3*ap01_G292T



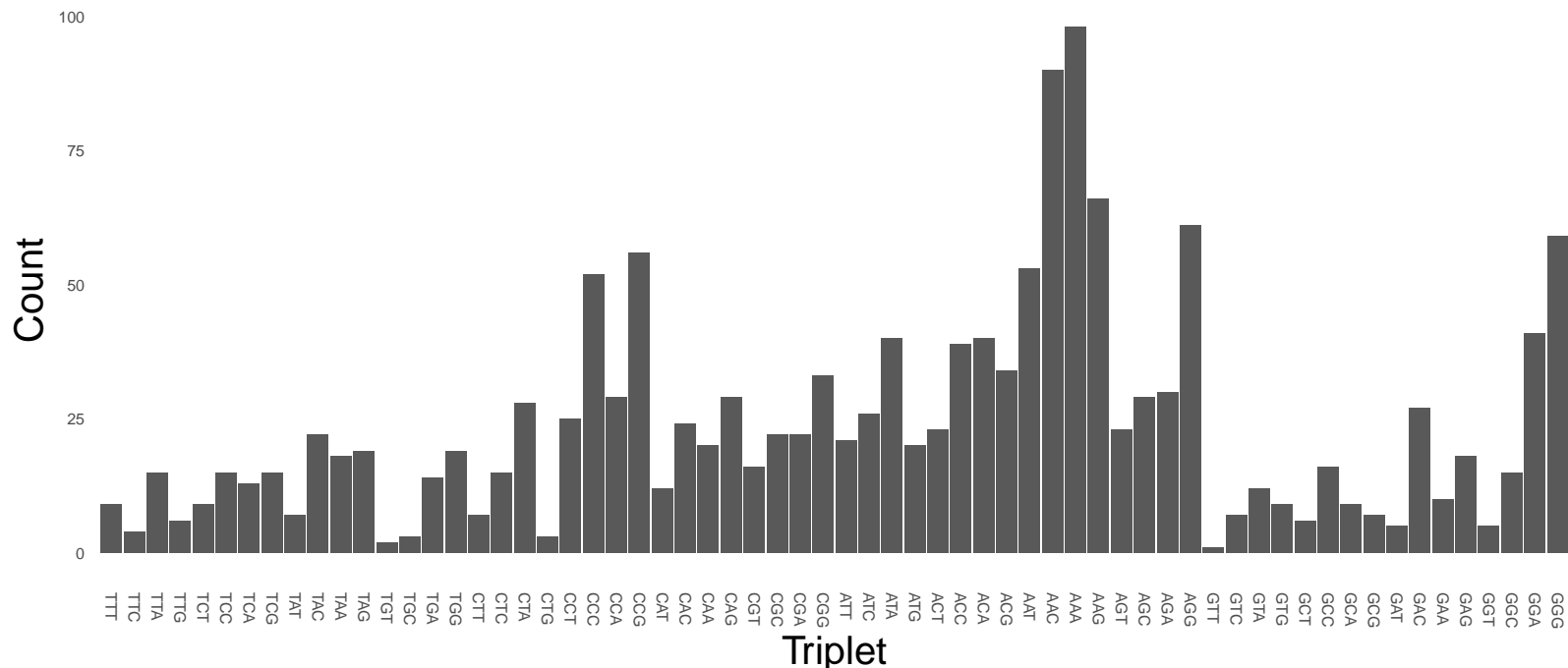
Gene TRBV7-7*ap01_C315T



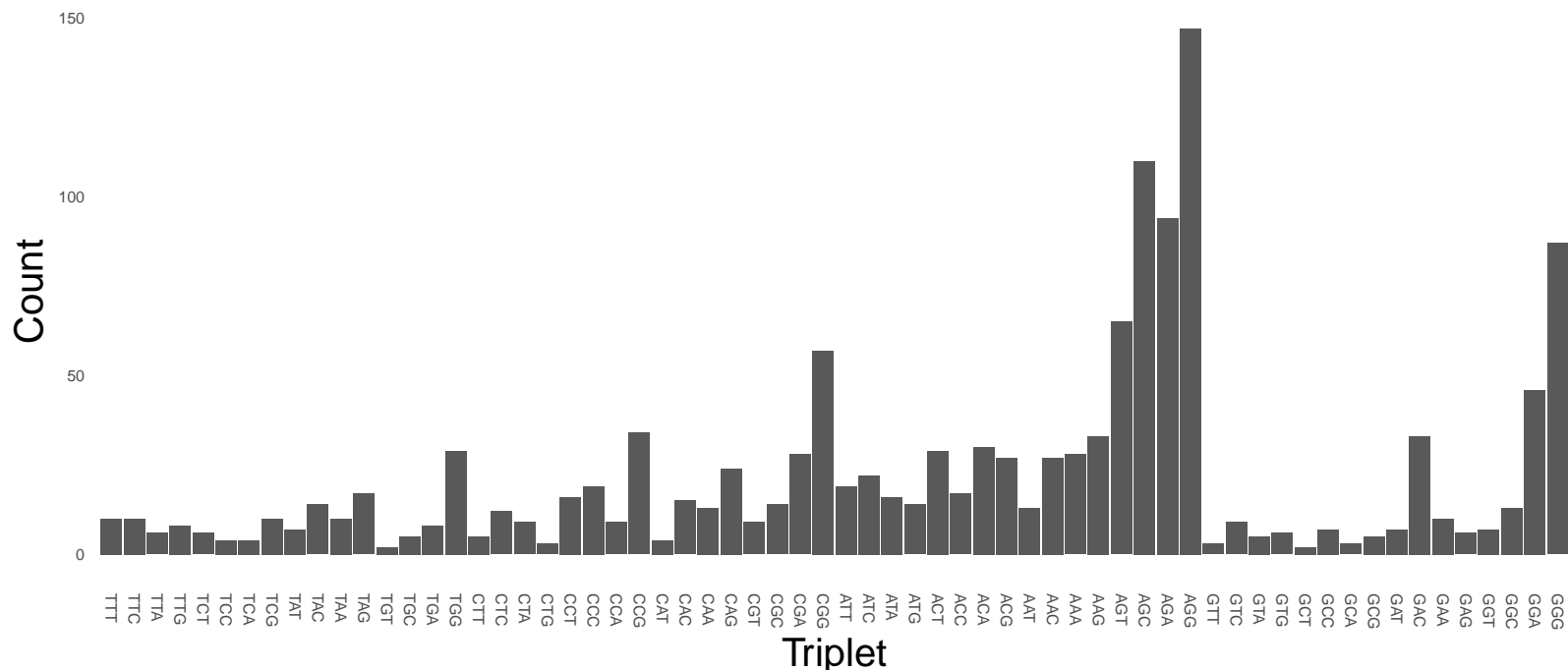
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

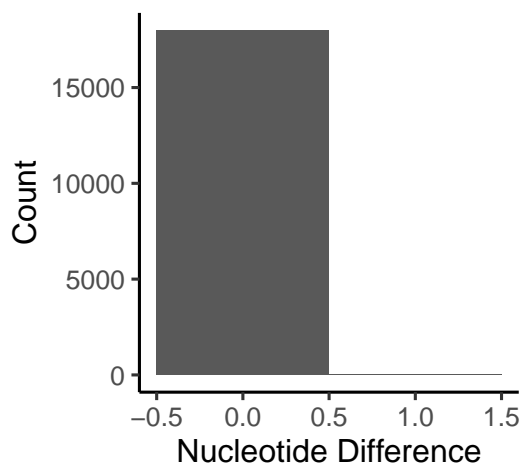


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



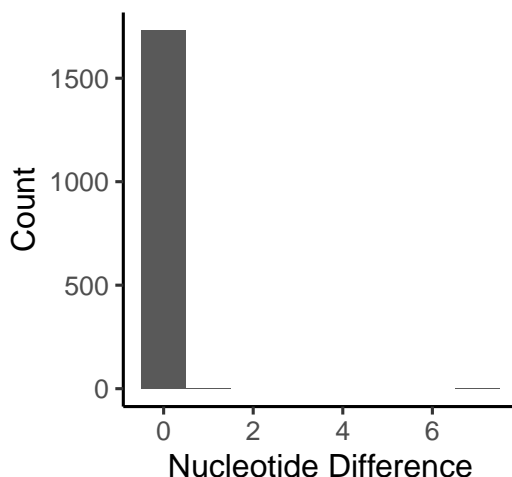
TRBV20-1*ap01

18027 sequences assigned
17995 (99.8%) exact matches, in which:
17984 unique CDR3
13 unique J



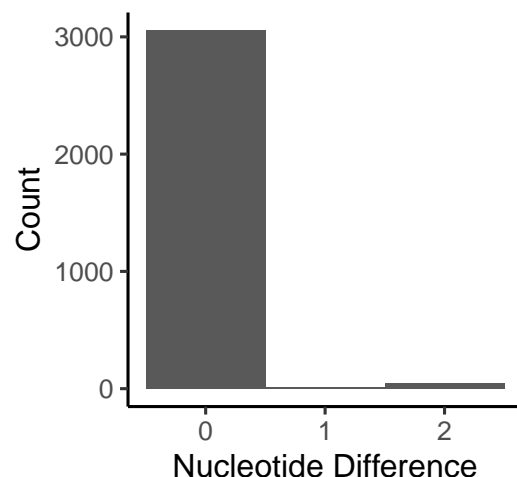
TRBV10-2*ap01

1735 sequences assigned
1731 (99.8%) exact matches, in which:
1729 unique CDR3
12 unique J



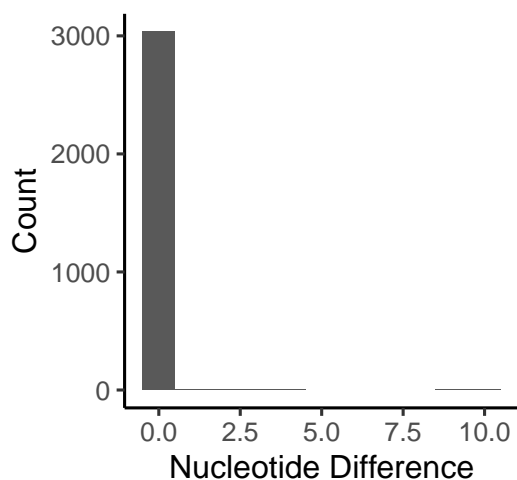
TRBV13*ap01

3113 sequences assigned
3055 (98.1%) exact matches, in which:
3050 unique CDR3
12 unique J



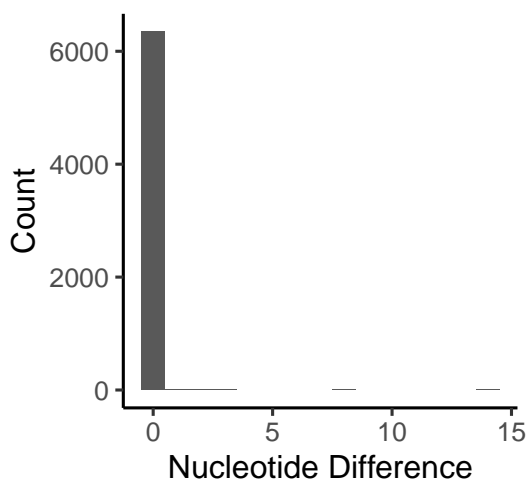
TRBV10-1*ap01

3051 sequences assigned
3035 (99.5%) exact matches, in which:
3035 unique CDR3
12 unique J



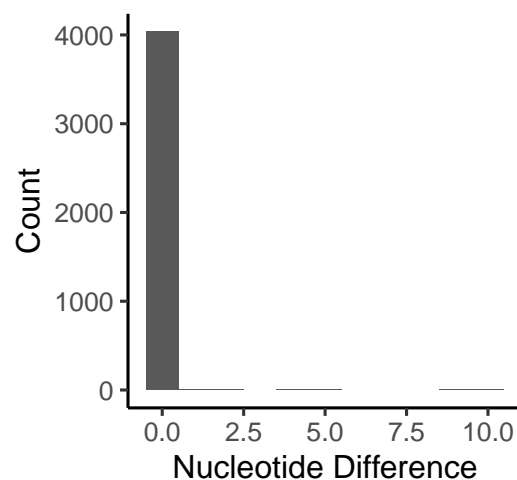
TRBV10-3*ap01

6364 sequences assigned
6346 (99.7%) exact matches, in which:
6343 unique CDR3
12 unique J



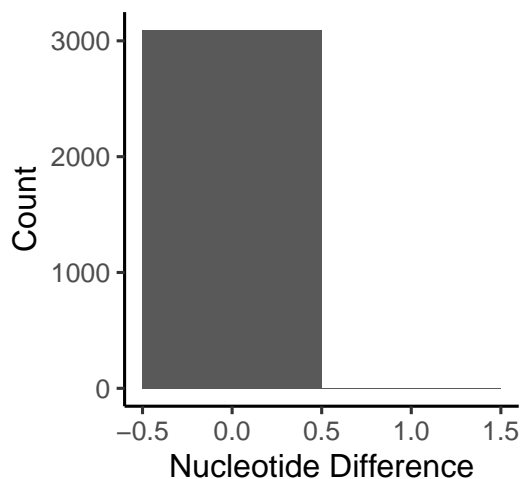
TRBV14*ap01

4047 sequences assigned
4036 (99.7%) exact matches, in which:
4036 unique CDR3
13 unique J



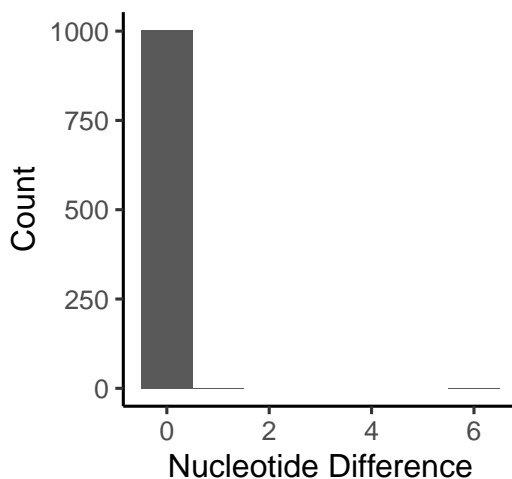
TRBV20-1*ap02

3096 sequences assigned
3093 (99.9%) exact matches, in which:
3091 unique CDR3
13 unique J



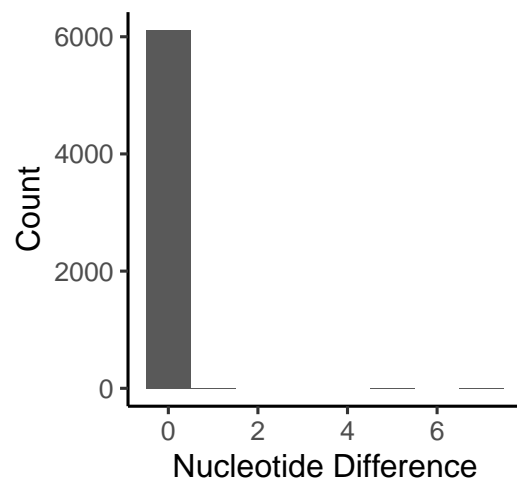
TRBV1*ap01

1005 sequences assigned
1003 (99.8%) exact matches, in which:
1003 unique CDR3
12 unique J



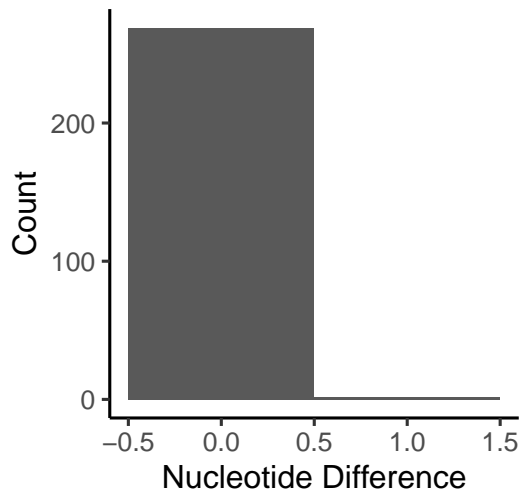
TRBV15*ap02

6126 sequences assigned
6114 (99.8%) exact matches, in which:
6111 unique CDR3
12 unique J



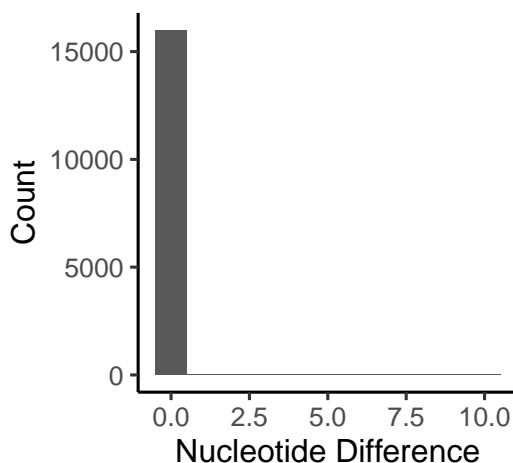
TRBV16*ap01

271 sequences assigned
269 (99.3%) exact matches, in which:
269 unique CDR3
12 unique J



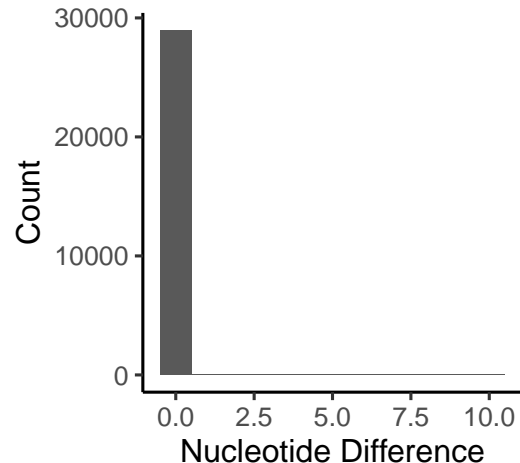
TRBV19*ap01

16048 sequences assigned
15995 (99.7%) exact matches, in which:
15995 unique CDR3
13 unique J



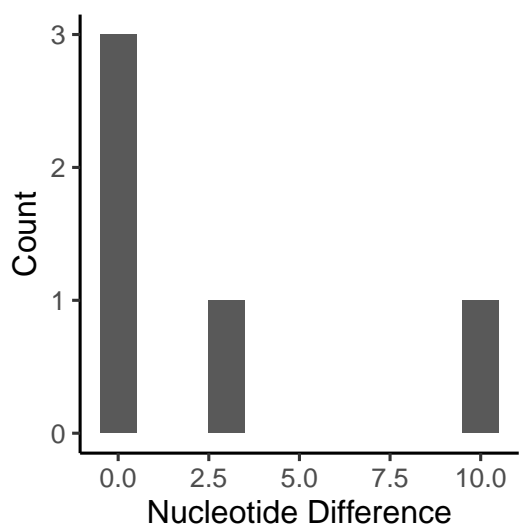
TRBV27*ap01

29078 sequences assigned
28971 (99.6%) exact matches, in which:
28908 unique CDR3
13 unique J



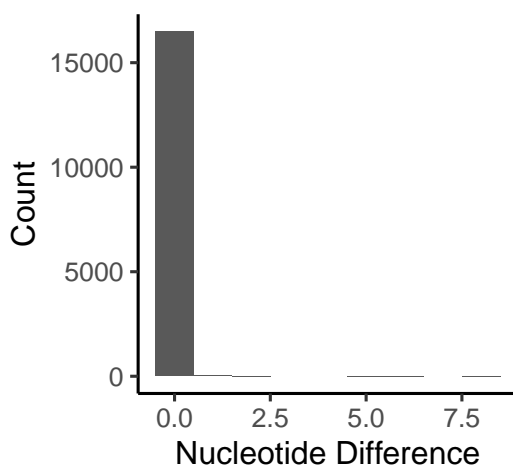
TRBV17*ap01

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
3 unique J



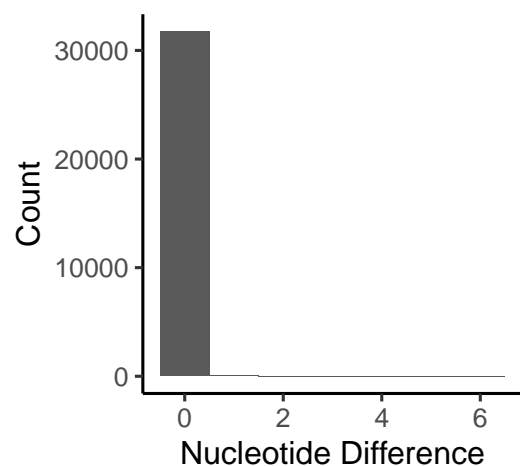
TRBV2*ap01

16545 sequences assigned
16493 (99.7%) exact matches, in which:
16460 unique CDR3
13 unique J



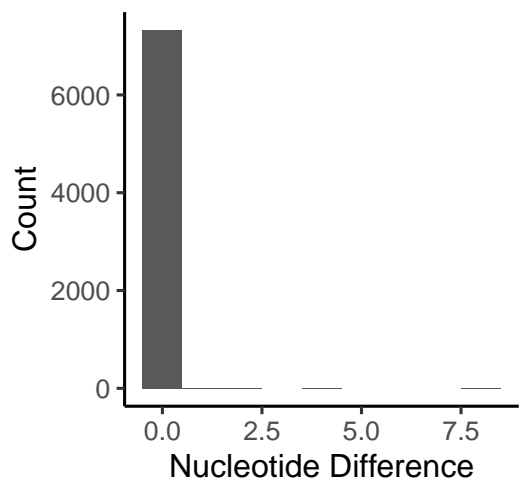
TRBV28*ap01

31816 sequences assigned
31747 (99.8%) exact matches, in which:
31744 unique CDR3
13 unique J



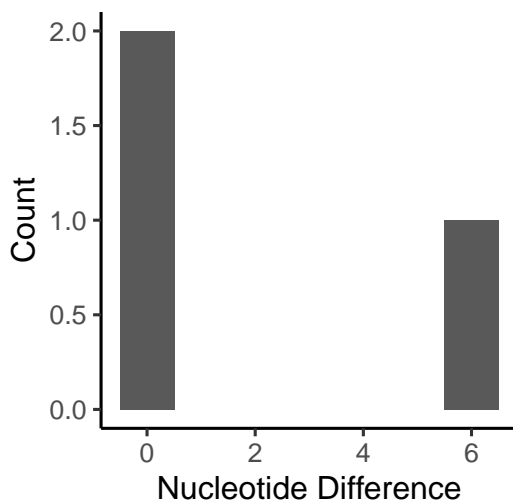
TRBV18*ap01

7334 sequences assigned
7327 (99.9%) exact matches, in which:
7327 unique CDR3
13 unique J



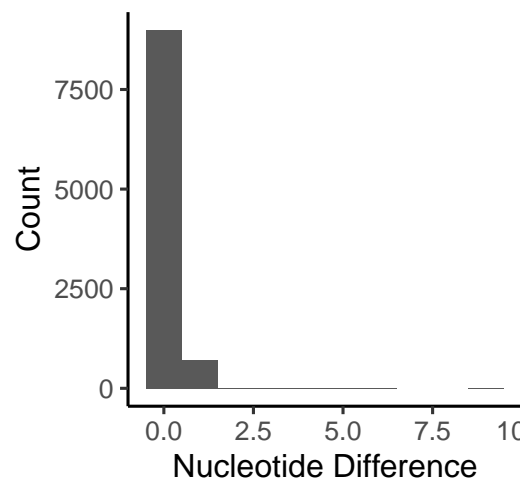
TRBV26*ap01

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



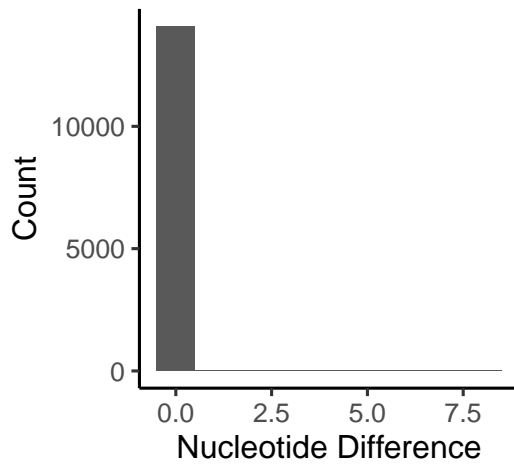
TRBV30*ap01

9714 sequences assigned
8992 (92.6%) exact matches, in which:
8970 unique CDR3
13 unique J



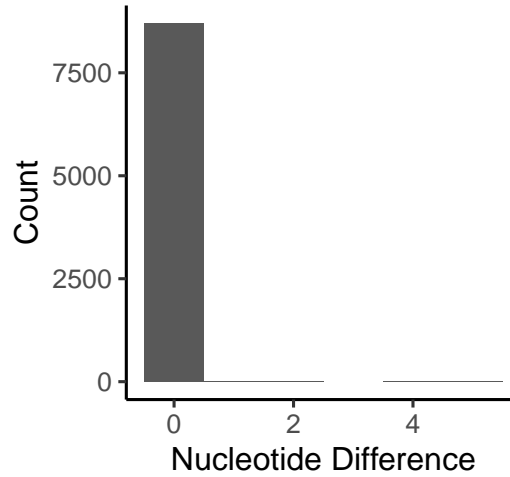
TRBV9*ap01

14125 sequences assigned
14096 (99.8%) exact matches, in which:
14091 unique CDR3
12 unique J



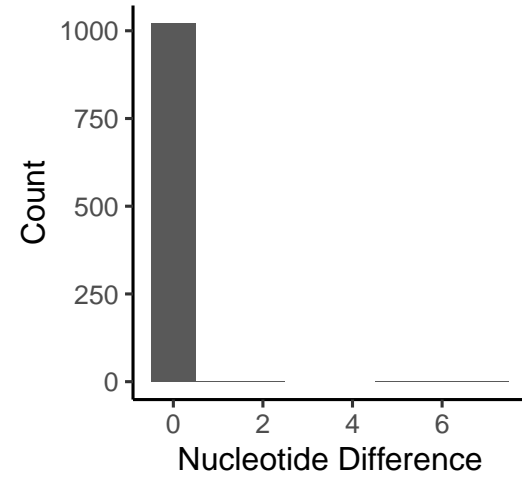
TRBV11-2*ap01

8713 sequences assigned
8699 (99.8%) exact matches, in which:
8698 unique CDR3
12 unique J



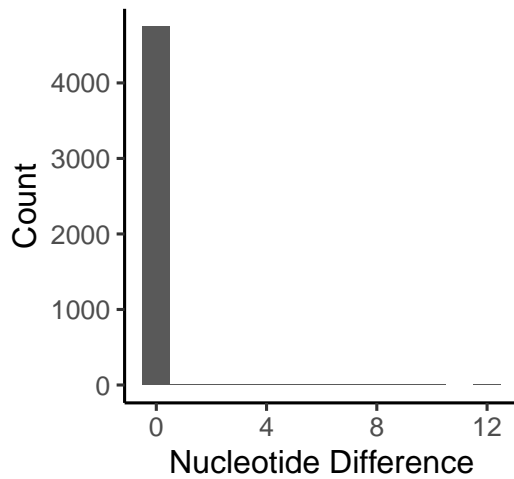
TRBV12-2*ap01

1027 sequences assigned
1021 (99.4%) exact matches, in which:
1021 unique CDR3
12 unique J



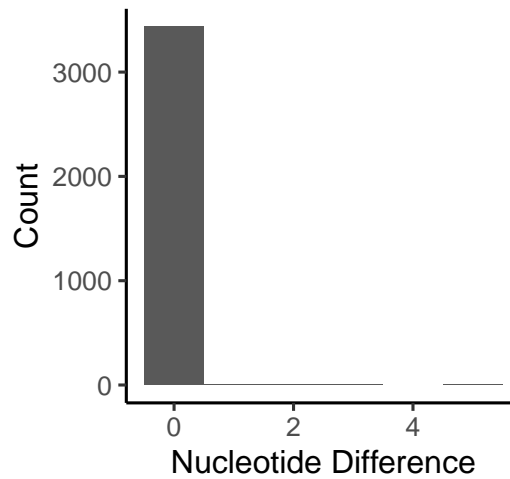
TRBV21-1*ap01

4792 sequences assigned
4744 (99%) exact matches, in which:
4743 unique CDR3
13 unique J



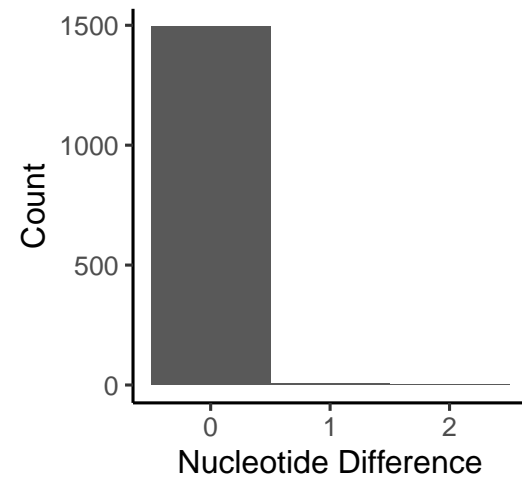
TRBV11-3*ap01

3449 sequences assigned
3435 (99.6%) exact matches, in which:
3435 unique CDR3
13 unique J



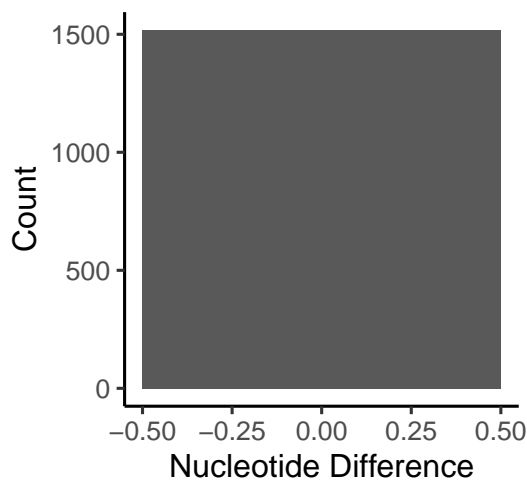
TRBV12-5*ap01

1501 sequences assigned
1494 (99.5%) exact matches, in which:
1494 unique CDR3
12 unique J



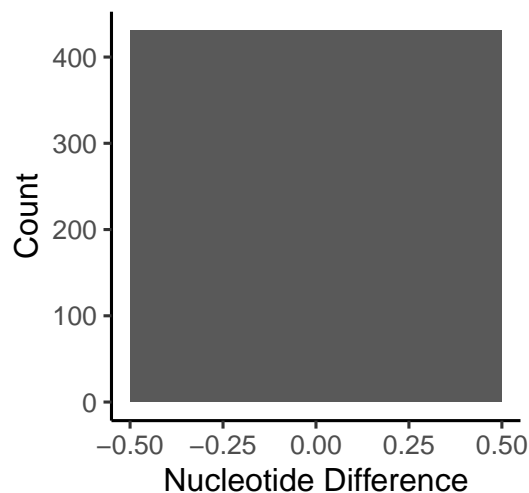
TRBV11-1*ap01

1518 sequences assigned
1518 (100%) exact matches, in which:
1518 unique CDR3
12 unique J



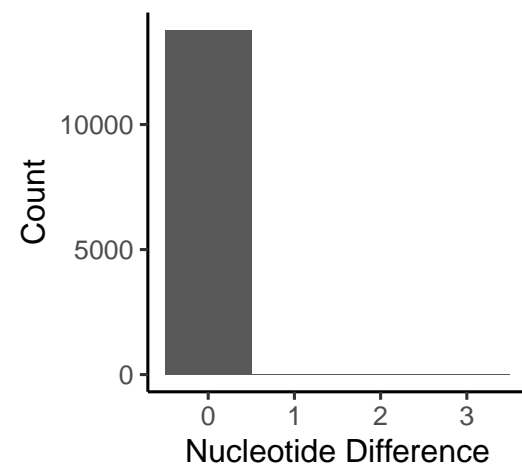
TRBV12-1*ap01

431 sequences assigned
431 (100%) exact matches, in which:
431 unique CDR3
12 unique J



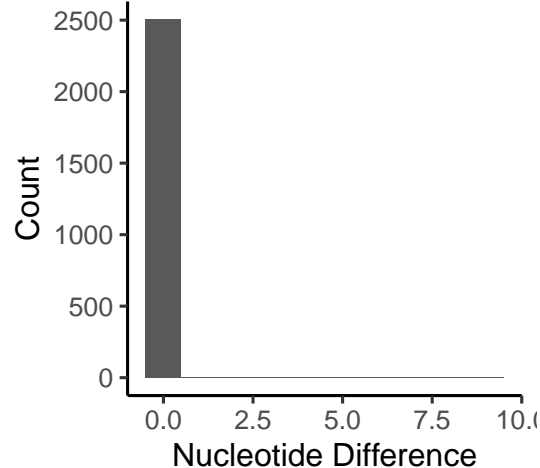
TRBV12-34*ap01

13811 sequences assigned
13789 (99.8%) exact matches, in which:
13786 unique CDR3
12 unique J



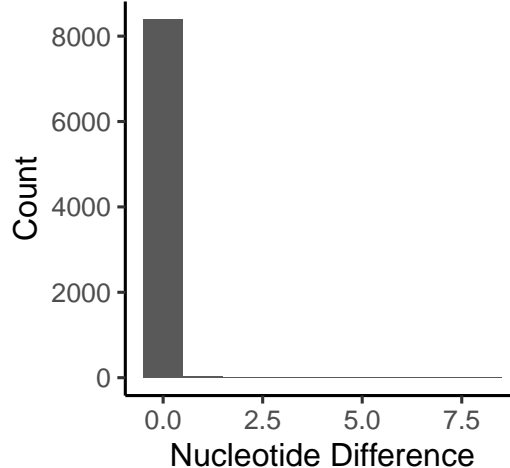
TRBV23-1*ap01

2520 sequences assigned
2505 (99.4%) exact matches, in which:
2505 unique CDR3
13 unique J



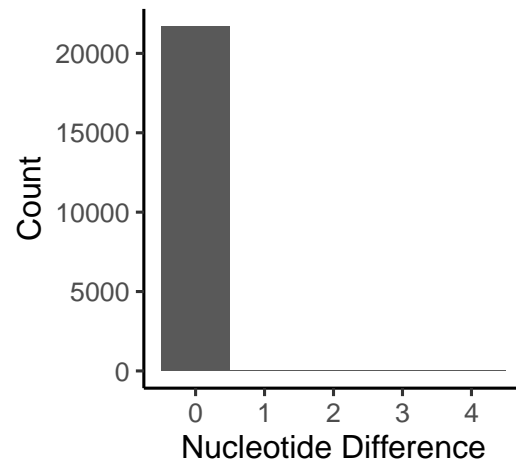
TRBV24-1*ap01

8436 sequences assigned
8392 (99.5%) exact matches, in which:
8371 unique CDR3
13 unique J



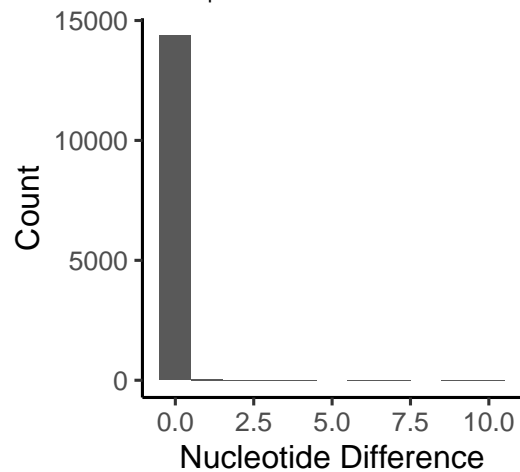
TRBV5-1*ap01

21742 sequences assigned
21715 (99.9%) exact matches, in which:
21693 unique CDR3
14 unique J



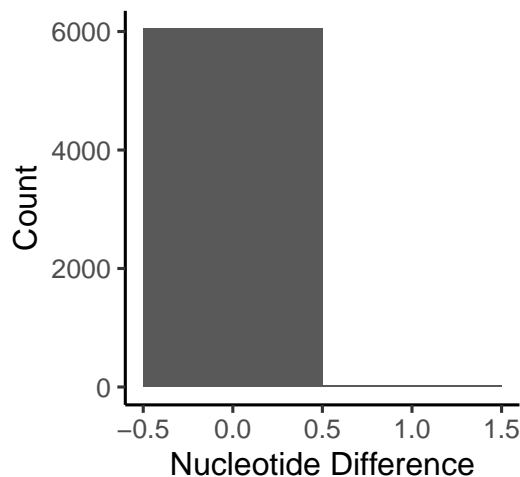
TRBV3-12*ap01

14429 sequences assigned
14376 (99.6%) exact matches, in which:
14337 unique CDR3
13 unique J



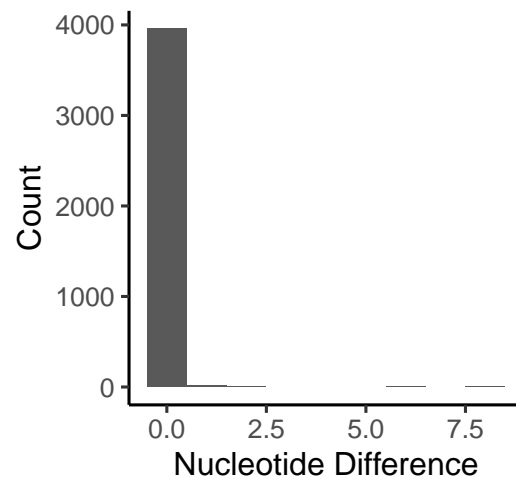
TRBV4-2*ap01

6072 sequences assigned
6047 (99.6%) exact matches, in which:
6044 unique CDR3
13 unique J



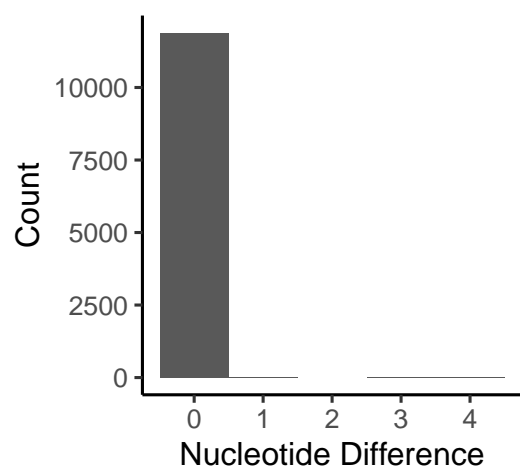
TRBV25-1*ap01

3979 sequences assigned
3958 (99.5%) exact matches, in which:
3948 unique CDR3
13 unique J



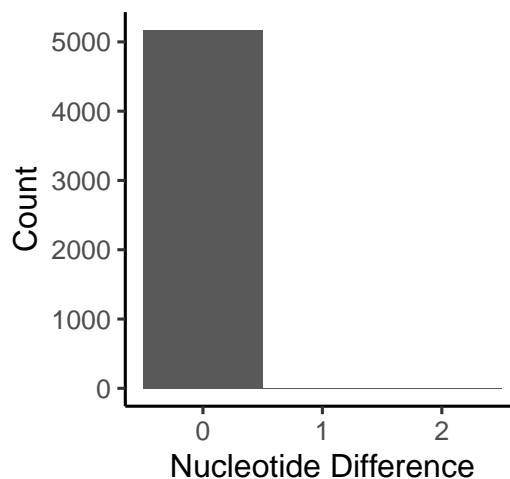
TRBV4-1*ap01

11899 sequences assigned
11886 (99.9%) exact matches, in which:
11882 unique CDR3
13 unique J



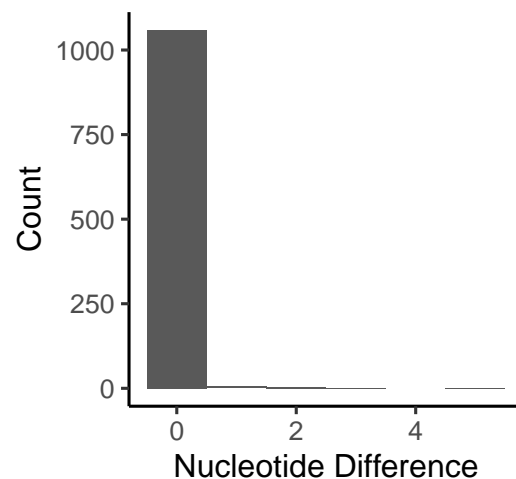
TRBV4-3*ap01

5178 sequences assigned
5171 (99.9%) exact matches, in which:
5164 unique CDR3
12 unique J



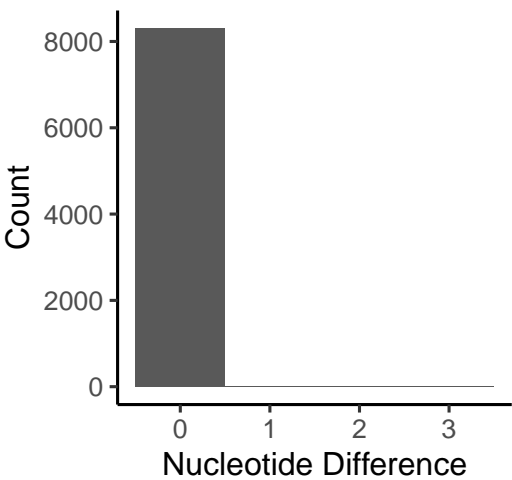
TRBV5-3*ap01

1069 sequences assigned
1059 (99.1%) exact matches, in which:
1059 unique CDR3
12 unique J



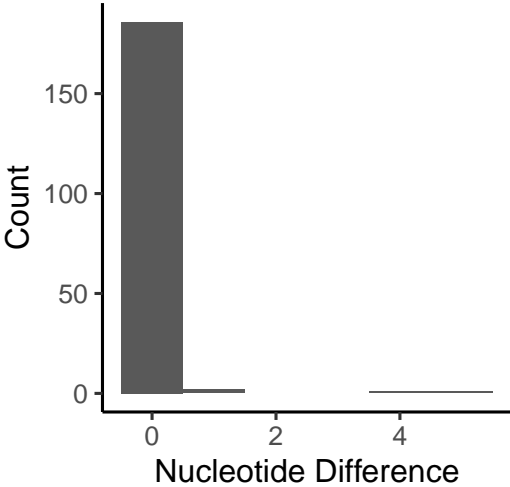
TRBV5-4*ap01

8318 sequences assigned
8303 (99.8%) exact matches, in which:
8301 unique CDR3
12 unique J



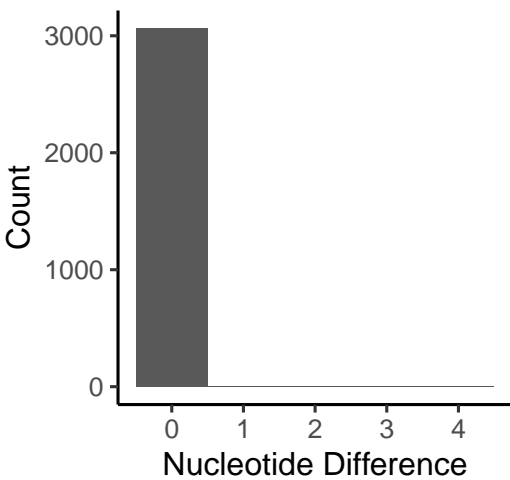
TRBV5-7*ap01

190 sequences assigned
186 (97.9%) exact matches, in which:
185 unique CDR3
13 unique J



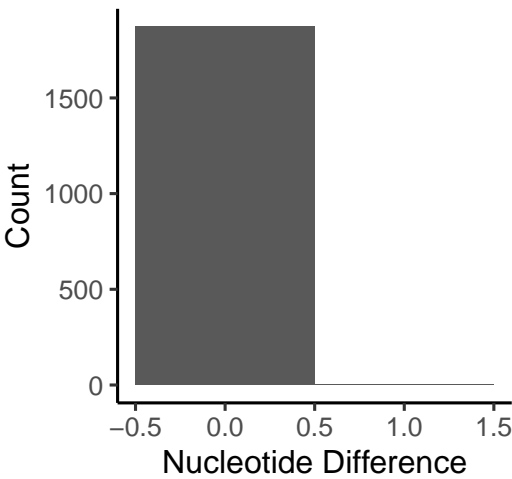
TRBV6-4*ap01

3070 sequences assigned
3063 (99.8%) exact matches, in which:
3061 unique CDR3
12 unique J



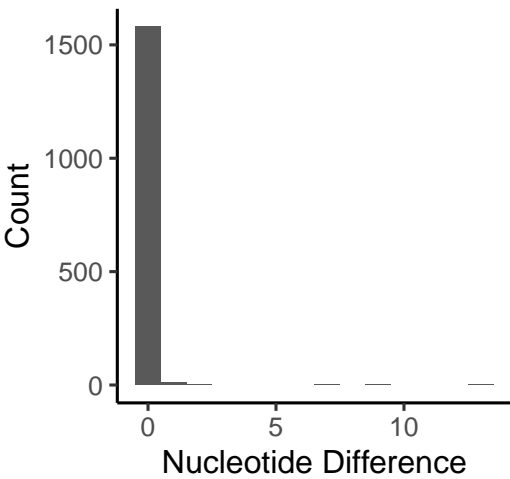
TRBV5-5*ap01

1874 sequences assigned
1872 (99.9%) exact matches, in which:
1871 unique CDR3
12 unique J



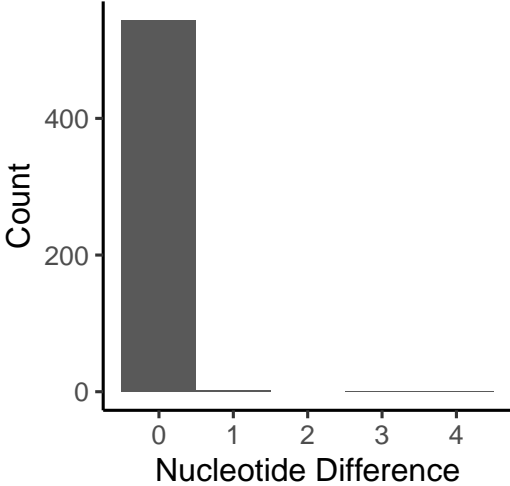
TRBV5-8*ap01

1593 sequences assigned
1580 (99.2%) exact matches, in which:
1580 unique CDR3
12 unique J



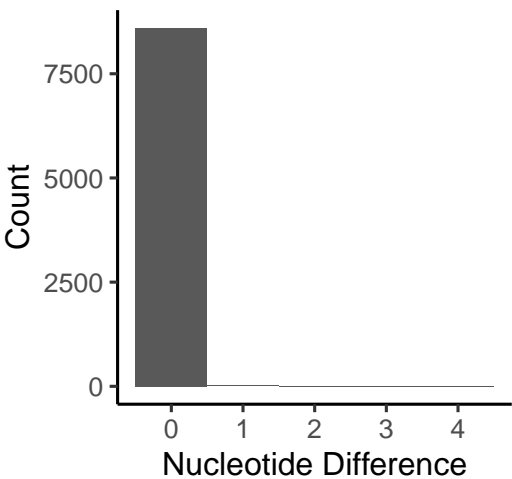
TRBV6-7*ap01

548 sequences assigned
544 (99.3%) exact matches, in which:
543 unique CDR3
12 unique J



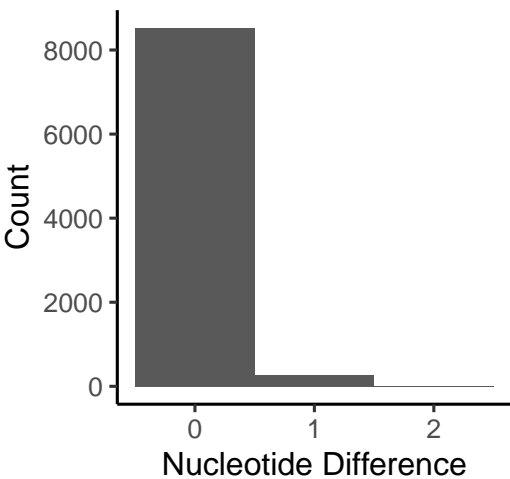
TRBV5-6*ap01

8622 sequences assigned
8597 (99.7%) exact matches, in which:
8573 unique CDR3
13 unique J



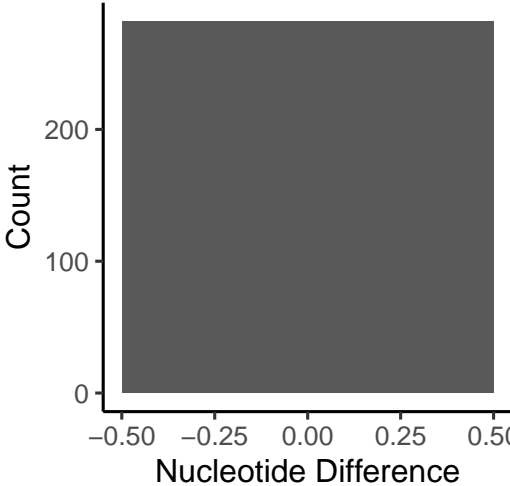
TRBV6-1*ap01

8797 sequences assigned
8522 (96.9%) exact matches, in which:
8514 unique CDR3
13 unique J



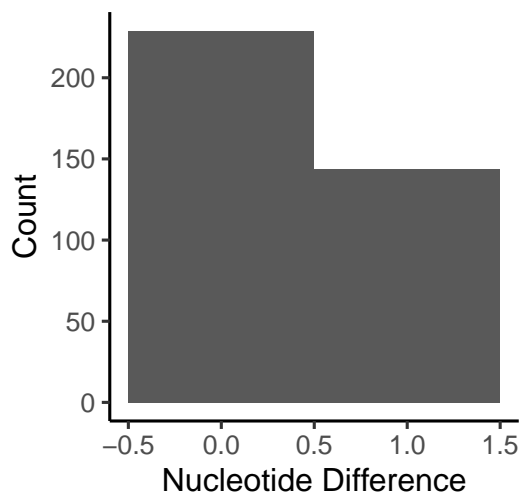
TRBV6-8*ap01

282 sequences assigned
282 (100%) exact matches, in which:
282 unique CDR3
12 unique J



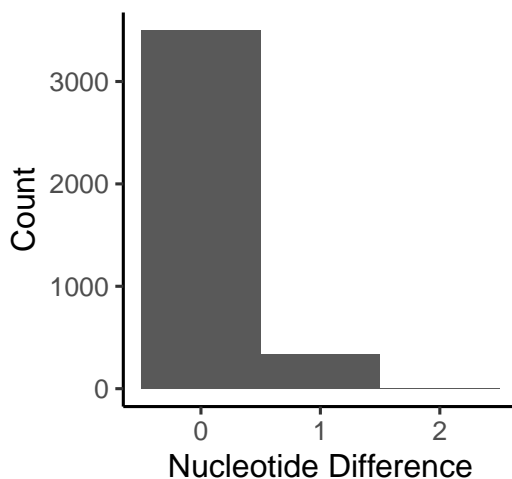
TRBV6–9*ap01

373 sequences assigned
229 (61.4%) exact matches, in which:
229 unique CDR3
12 unique J



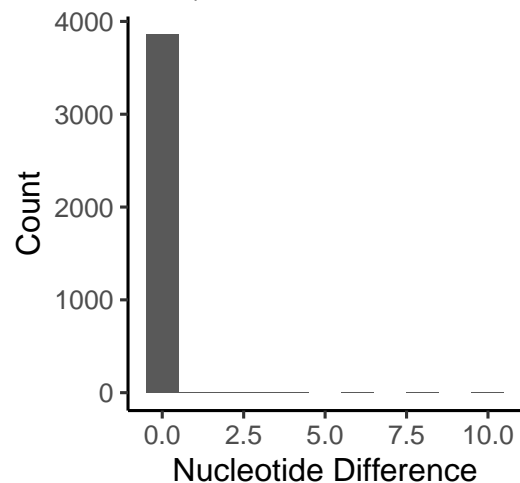
TRBV6–56*ap02

3841 sequences assigned
3499 (91.1%) exact matches, in which:
3494 unique CDR3
13 unique J



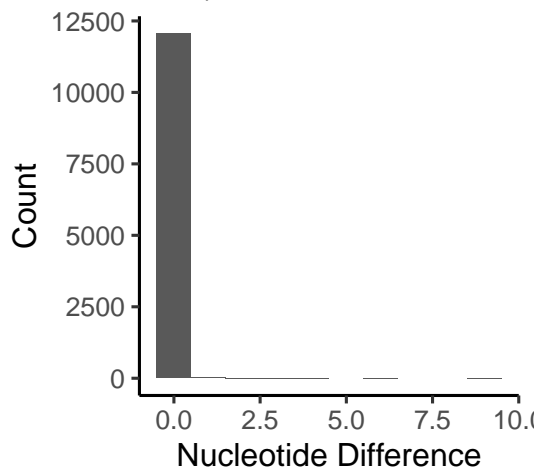
TRBV7–3*ap01

3874 sequences assigned
3860 (99.6%) exact matches, in which:
3860 unique CDR3
12 unique J



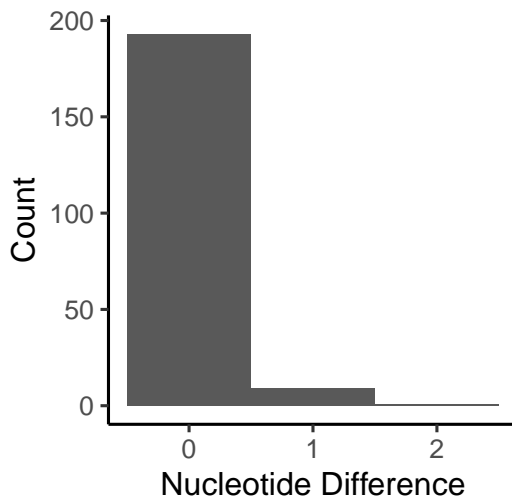
TRBV6–23*ap01

12101 sequences assigned
12062 (99.7%) exact matches, in which:
12041 unique CDR3
14 unique J



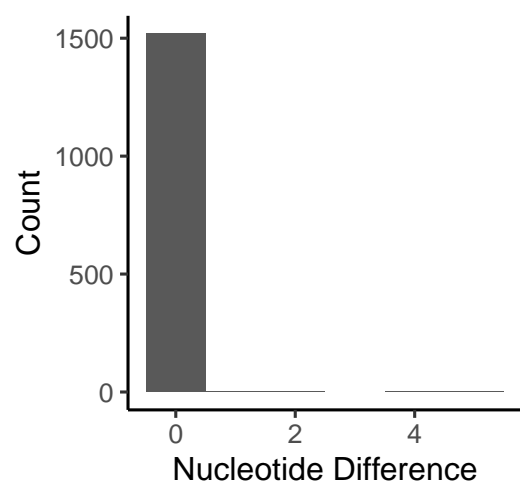
TRBV7–1*ap01_G291C_

203 sequences assigned
193 (95.1%) exact matches, in which:
193 unique CDR3
12 unique J



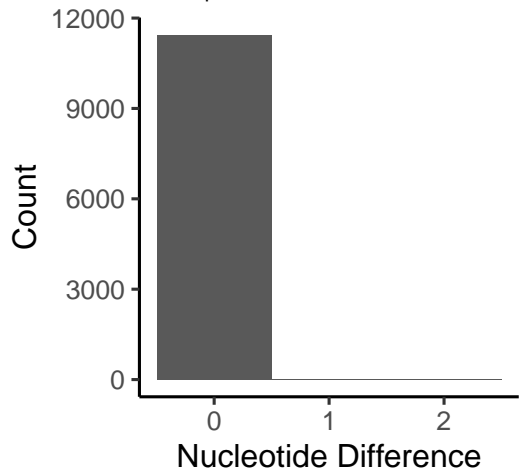
TRBV7–3*ap01_G292T

1523 sequences assigned
1519 (99.7%) exact matches, in which:
1519 unique CDR3
12 unique J



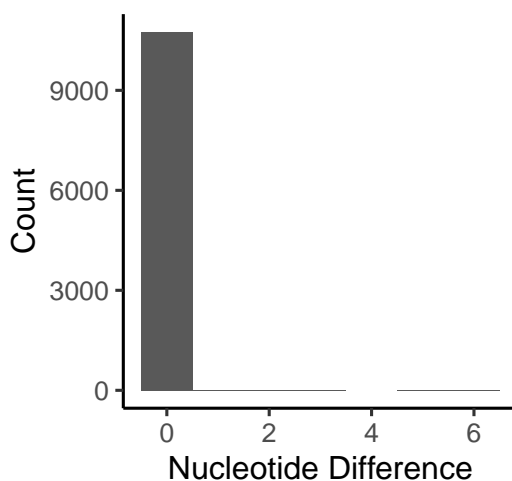
TRBV6–56*ap01

11467 sequences assigned
11445 (99.8%) exact matches, in which:
11429 unique CDR3
13 unique J



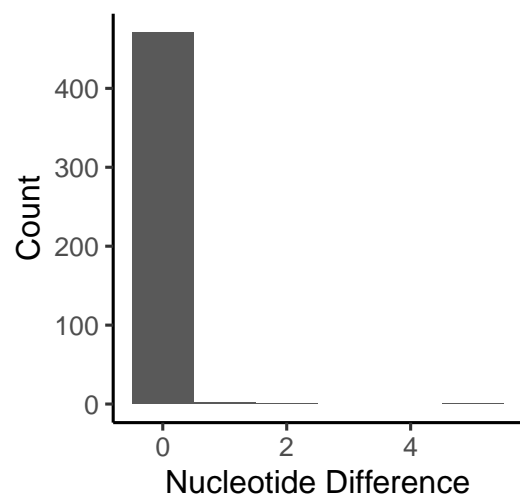
TRBV7–2*ap01

10769 sequences assigned
10749 (99.8%) exact matches, in which:
10748 unique CDR3
13 unique J



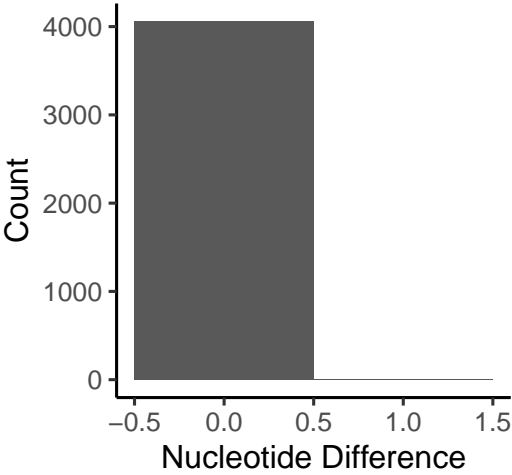
TRBV7–4*ap01

475 sequences assigned
471 (99.2%) exact matches, in which:
470 unique CDR3
12 unique J



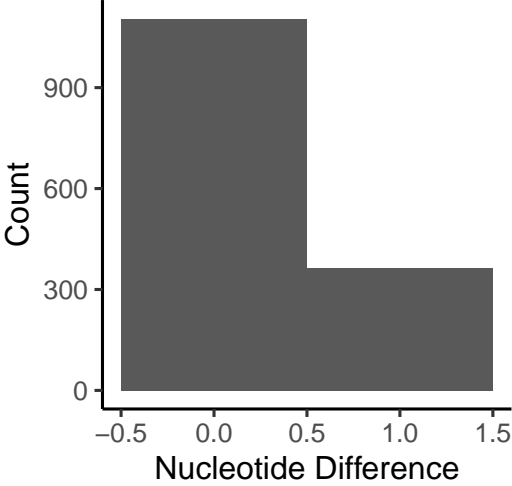
TRBV7-6*ap01

4069 sequences assigned
4059 (99.8%) exact matches, in which:
4058 unique CDR3
12 unique J



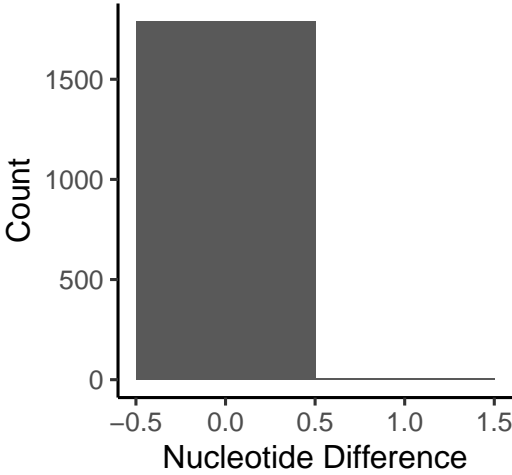
TRBV7-8*ap03

1470 sequences assigned
1105 (75.2%) exact matches, in which:
1104 unique CDR3
12 unique J



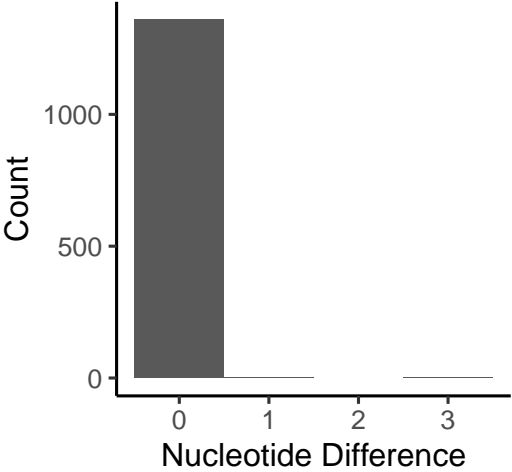
TRBV29-1*ap02

1795 sequences assigned
1789 (99.7%) exact matches, in which:
1789 unique CDR3
13 unique J



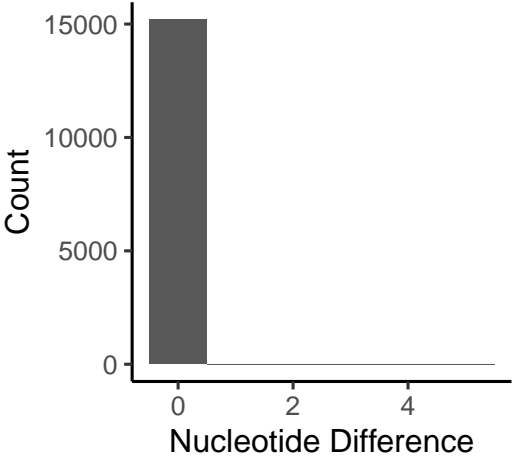
TRBV7-7*ap01_C315T

1361 sequences assigned
1359 (99.9%) exact matches, in which:
1358 unique CDR3
12 unique J



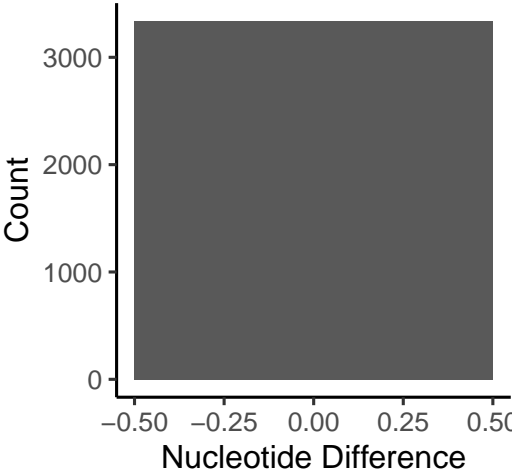
TRBV7-9*ap01

15225 sequences assigned
15203 (99.9%) exact matches, in which:
15203 unique CDR3
12 unique J



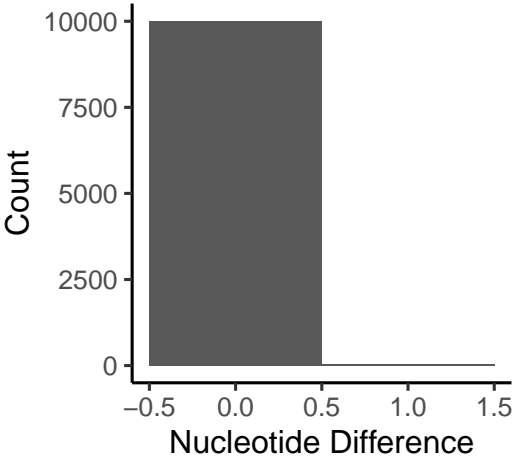
TRBV7-8*ap01

3338 sequences assigned
3338 (100%) exact matches, in which:
3337 unique CDR3
12 unique J

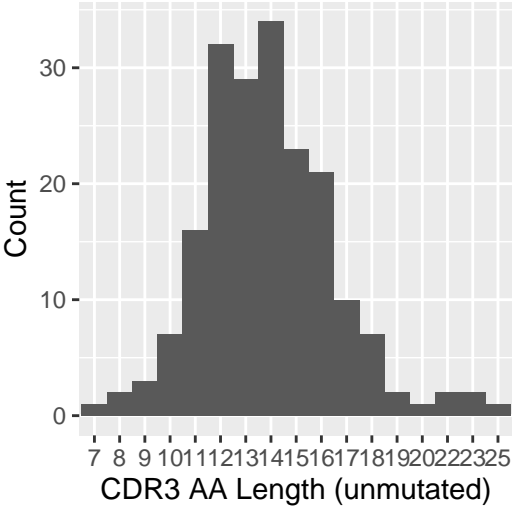


TRBV29-1*ap01

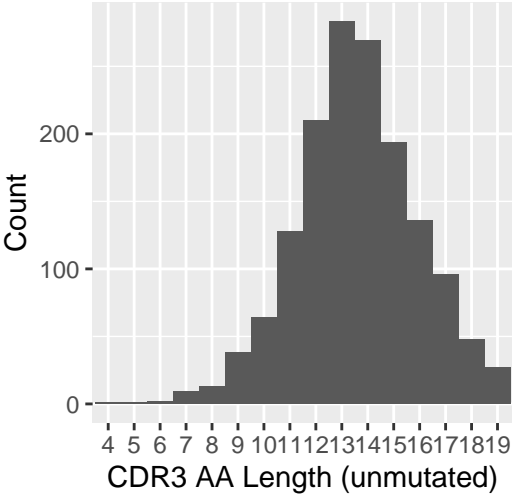
10064 sequences assigned
10014 (99.5%) exact matches, in which:
9987 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

