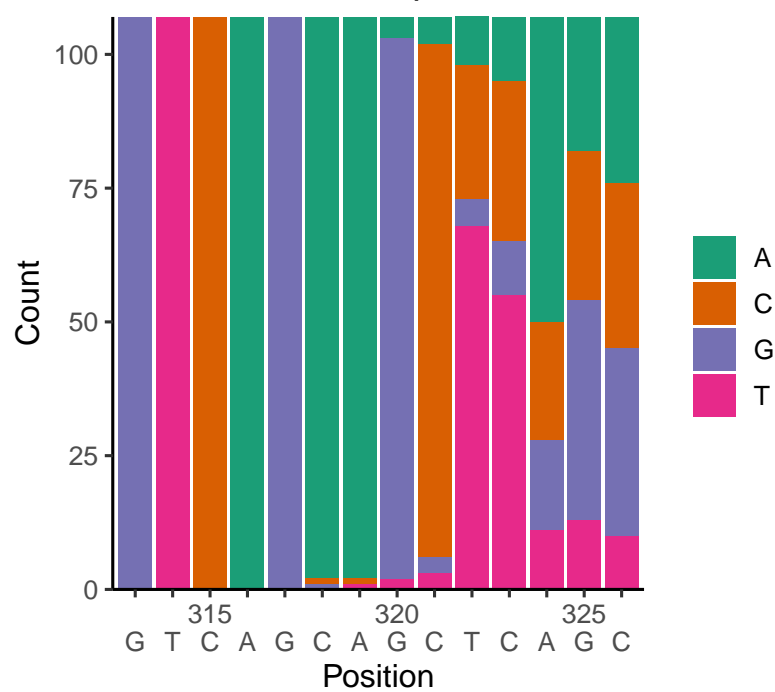
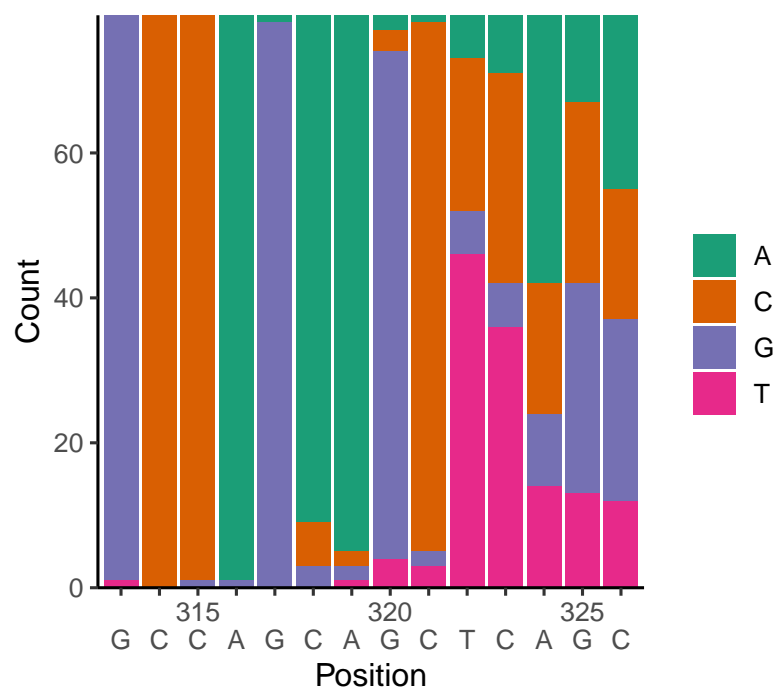


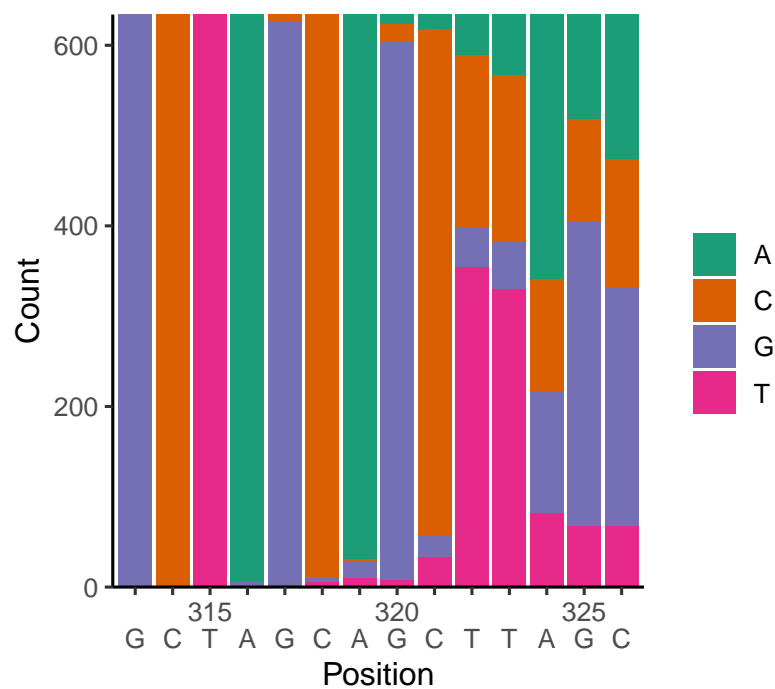
Gene TRBV7-1*ap01_G291C_T296C_C314T



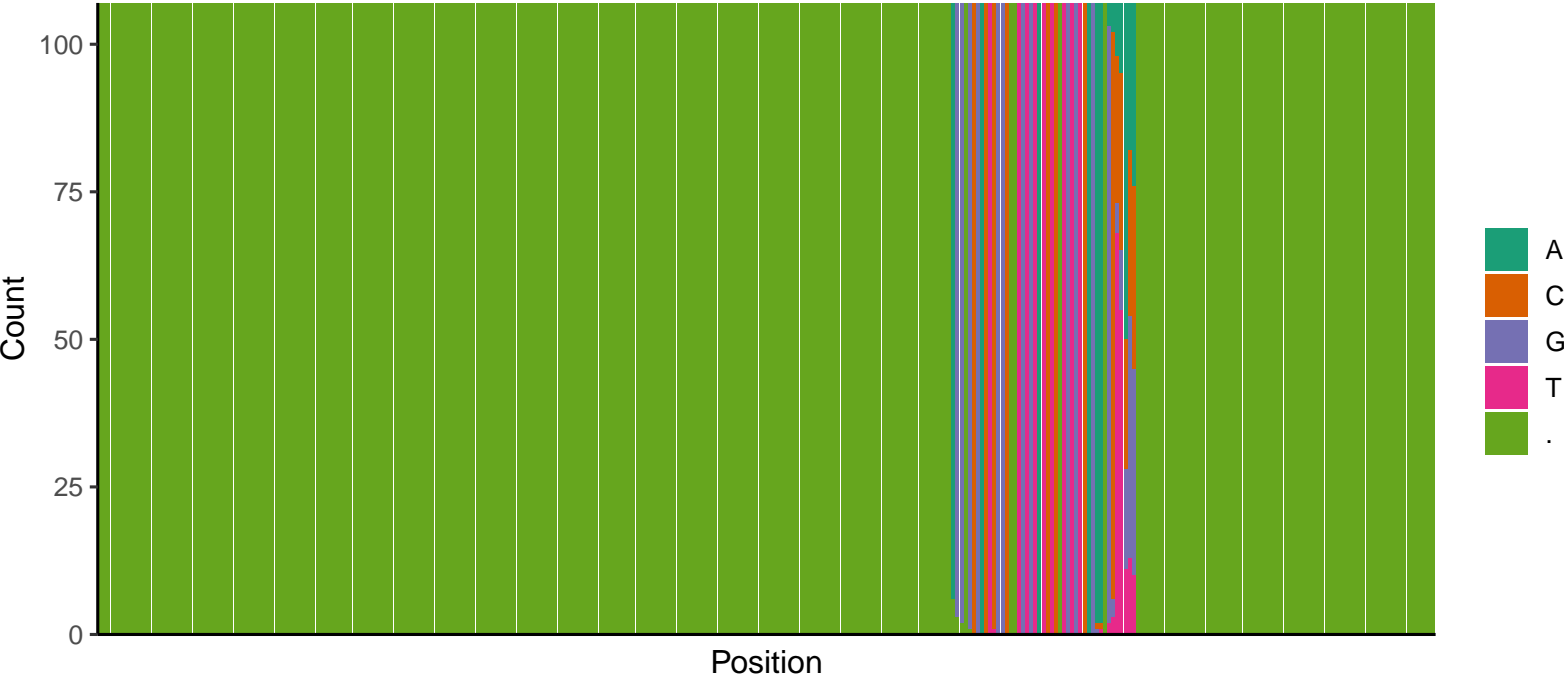
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



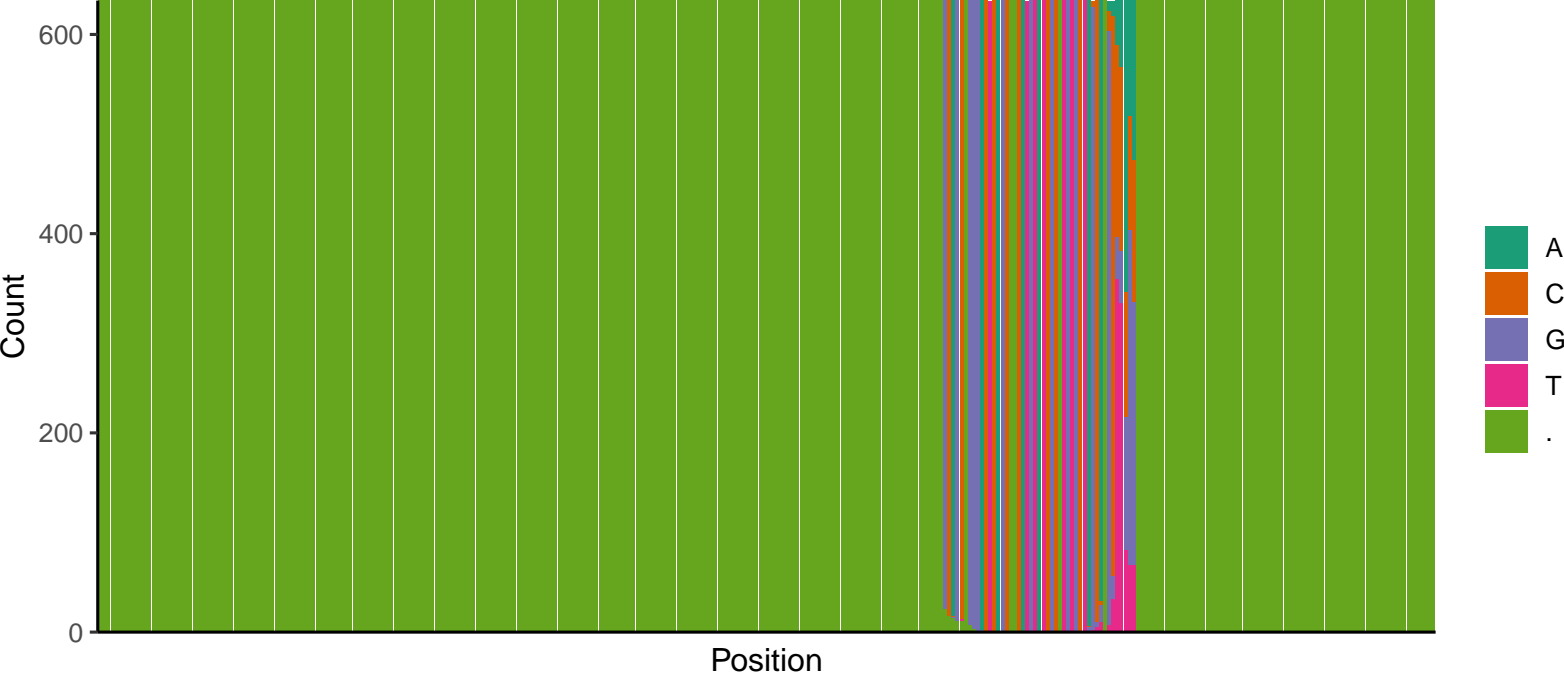
Gene TRBV7-1*ap01_G291C_T296C_C314T



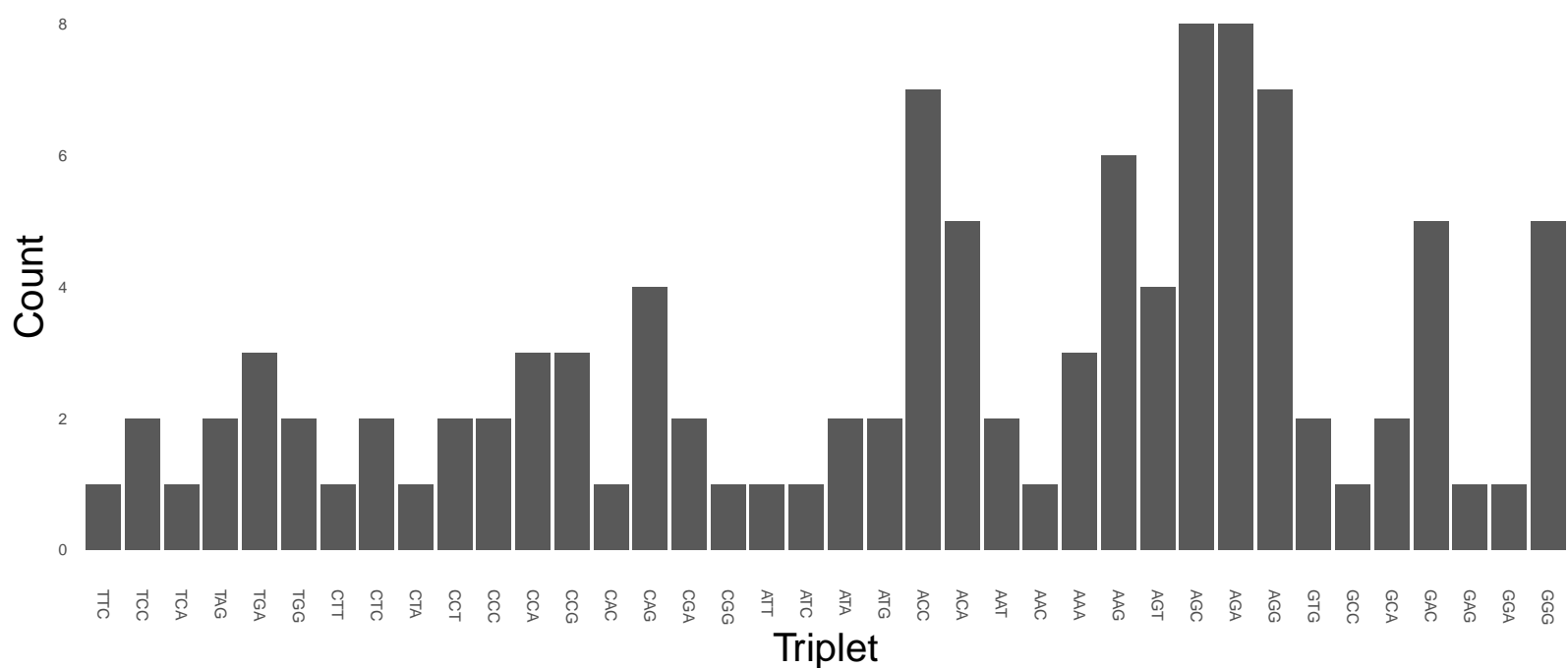
Gene TRBV7-1*ap01_G291C_T296C



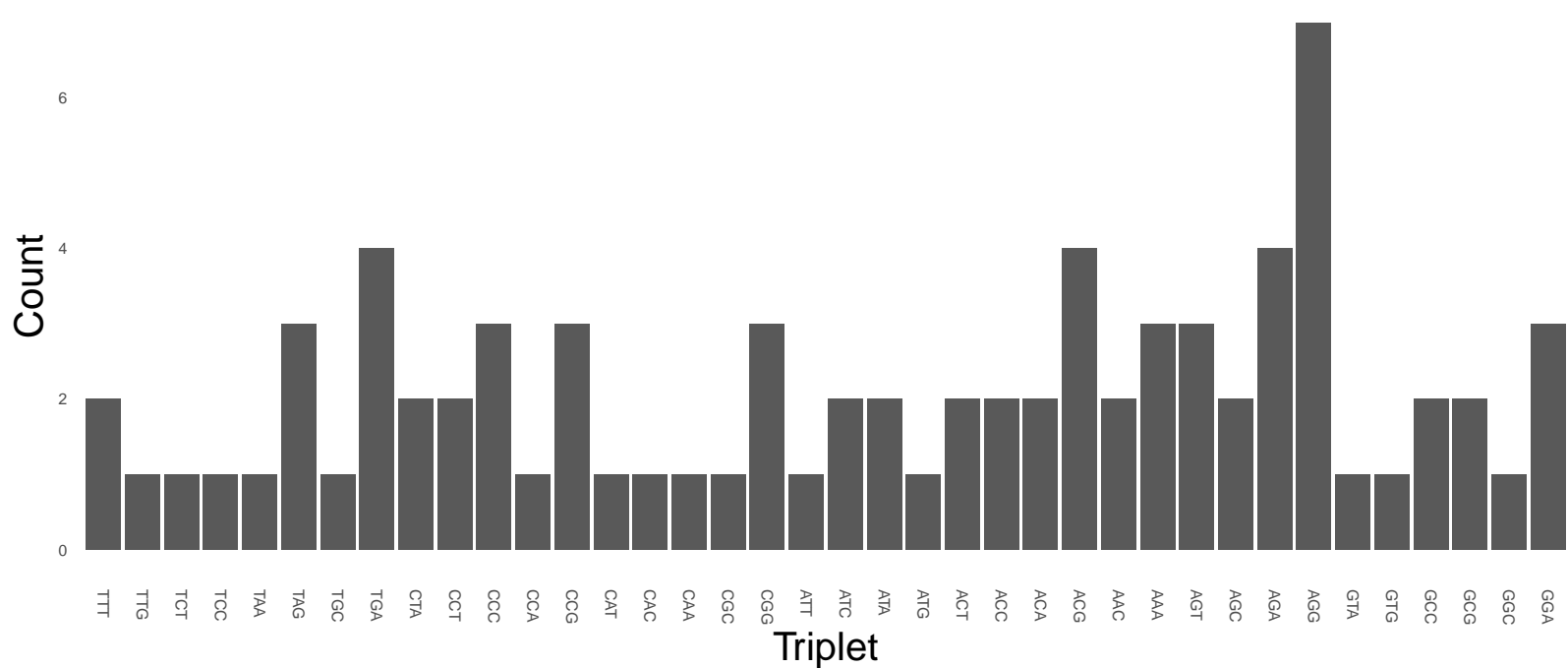
Gene TRBV7-7*ap01_C315T



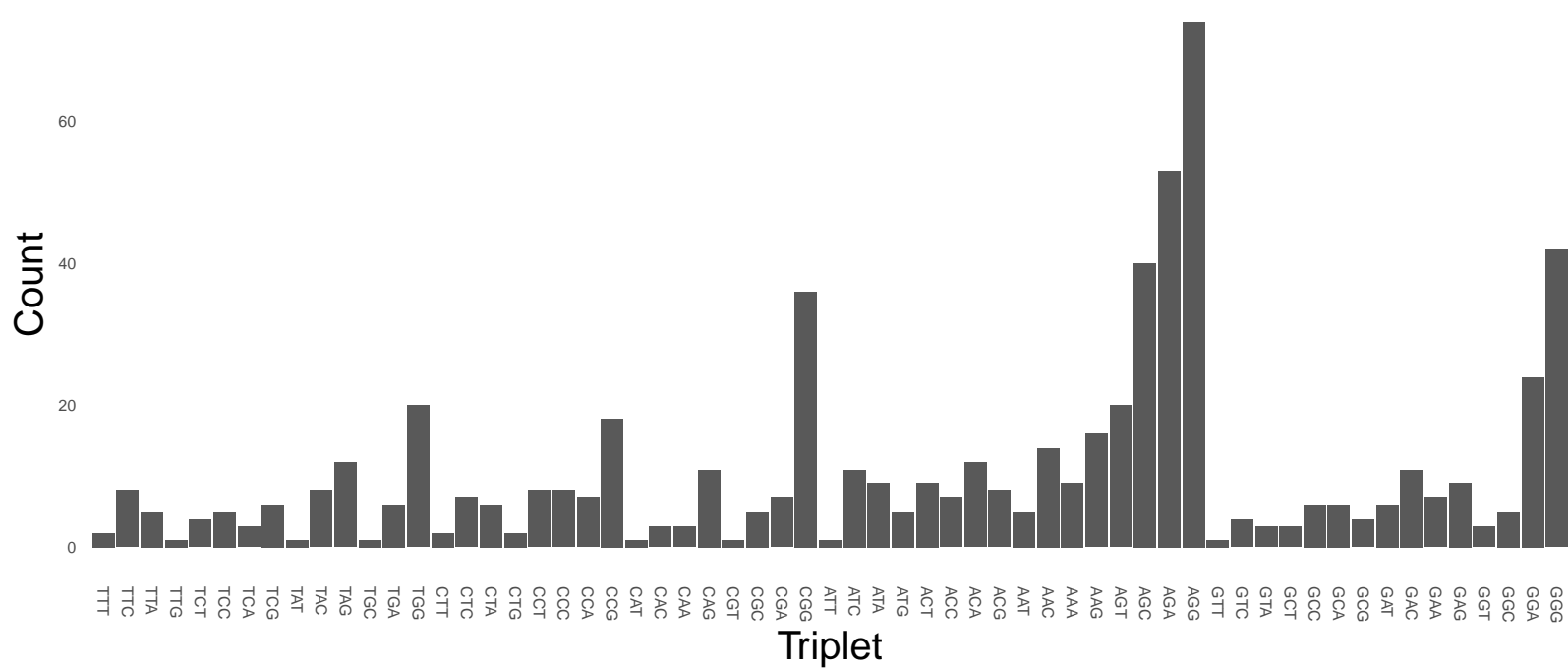
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

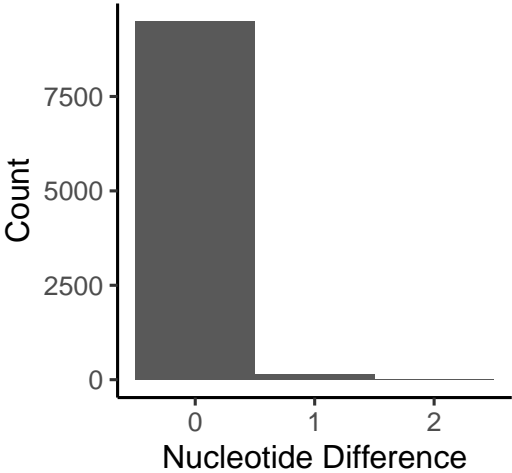


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



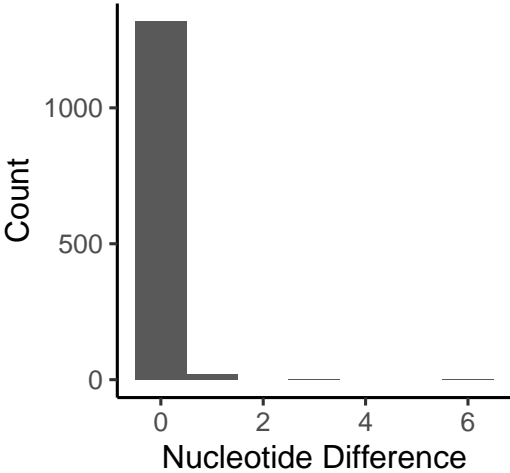
TRBV20-1*ap01

9648 sequences assigned
9488 (98.3%) exact matches, in which:
9372 unique CDR3
14 unique J



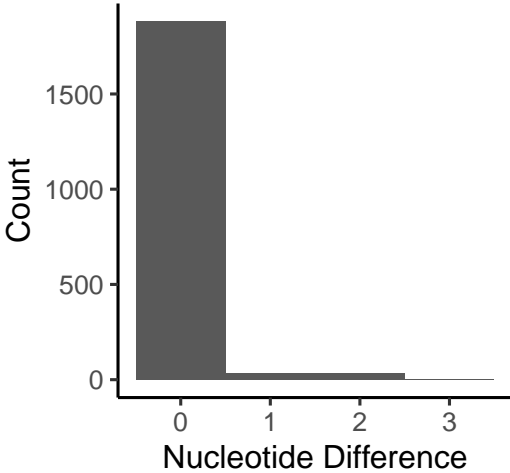
TRBV10-2*ap01

1339 sequences assigned
1318 (98.4%) exact matches, in which:
1293 unique CDR3
14 unique J



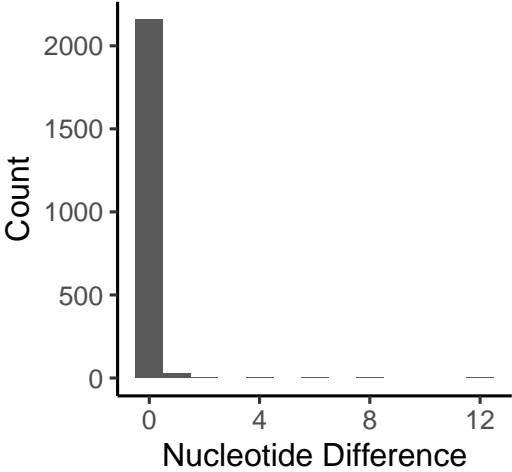
TRBV13*ap01

1946 sequences assigned
1881 (96.7%) exact matches, in which:
1852 unique CDR3
14 unique J



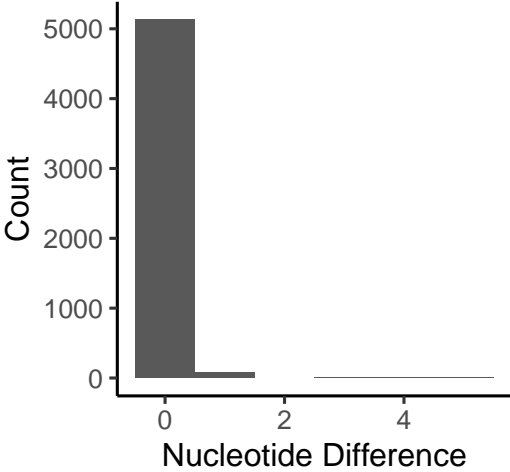
TRBV10-1*ap01

2188 sequences assigned
2157 (98.6%) exact matches, in which:
2113 unique CDR3
14 unique J



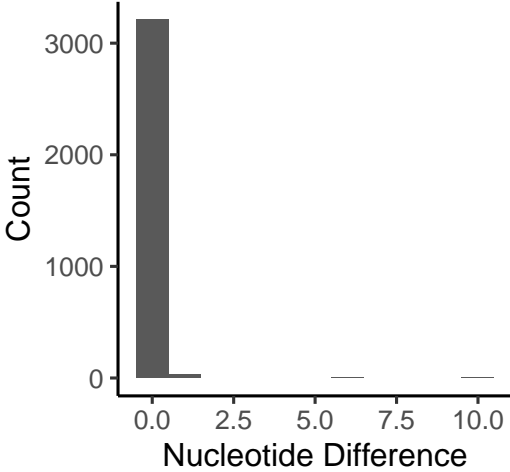
TRBV10-3*ap01

5207 sequences assigned
5130 (98.5%) exact matches, in which:
5033 unique CDR3
14 unique J



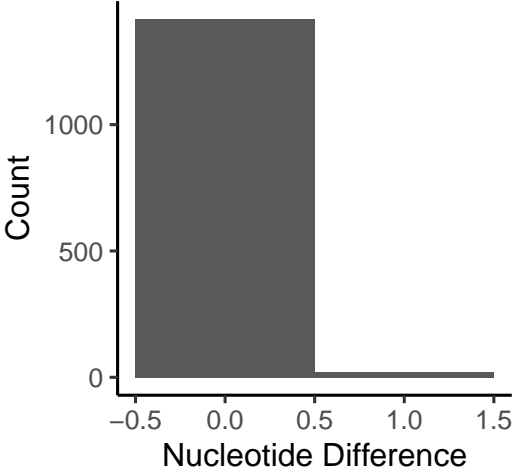
TRBV14*ap01

3242 sequences assigned
3210 (99%) exact matches, in which:
3165 unique CDR3
14 unique J



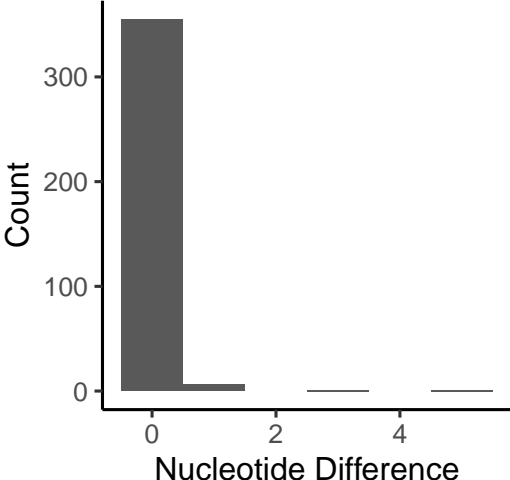
TRBV20-1*ap02

1438 sequences assigned
1418 (98.6%) exact matches, in which:
1395 unique CDR3
14 unique J



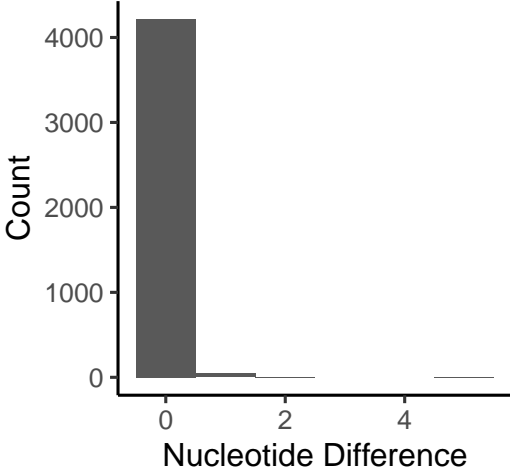
TRBV1*ap01

363 sequences assigned
355 (97.8%) exact matches, in which:
346 unique CDR3
14 unique J



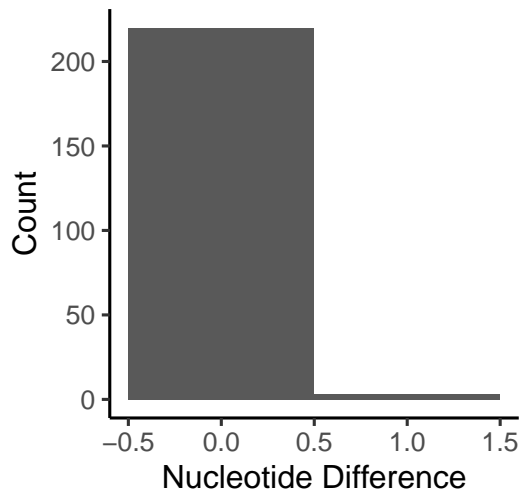
TRBV15*ap02

4266 sequences assigned
4217 (98.9%) exact matches, in which:
4155 unique CDR3
14 unique J



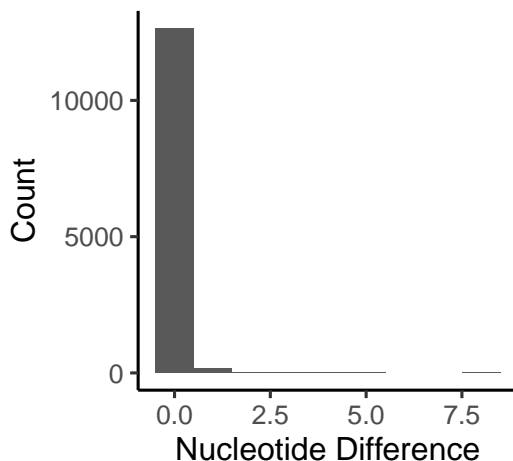
TRBV16*ap01

223 sequences assigned
220 (98.7%) exact matches, in which:
217 unique CDR3
14 unique J



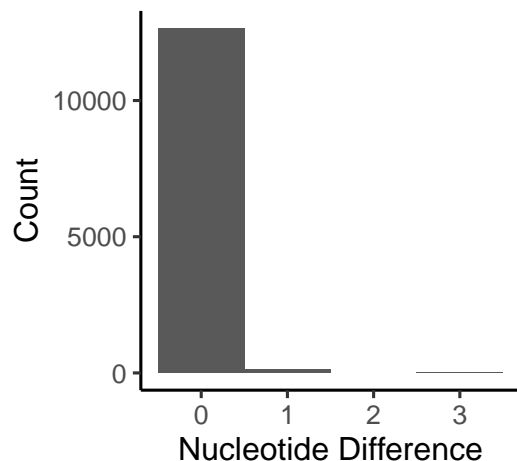
TRBV19*ap01

12822 sequences assigned
12652 (98.7%) exact matches, in which:
12510 unique CDR3
14 unique J



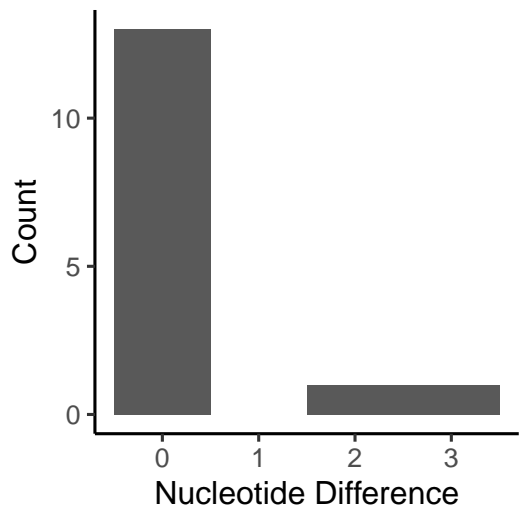
TRBV28*ap01

12794 sequences assigned
12657 (98.9%) exact matches, in which:
12432 unique CDR3
14 unique J



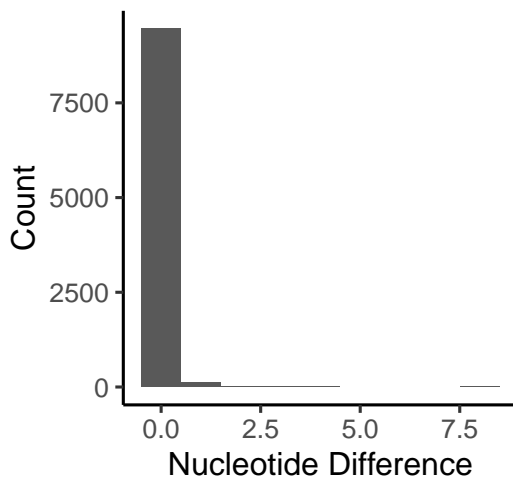
TRBV17*ap01

15 sequences assigned
13 (86.7%) exact matches, in which:
13 unique CDR3
5 unique J



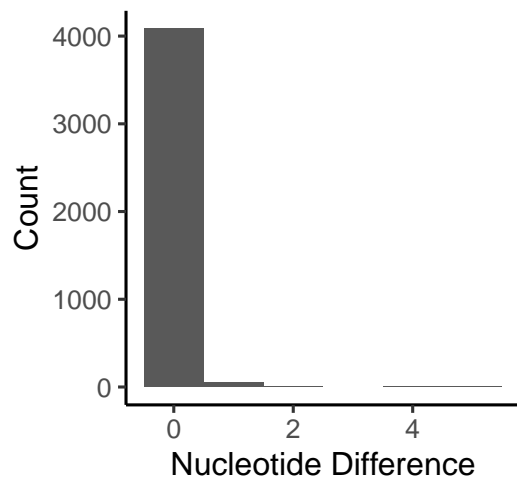
TRBV2*ap01

9576 sequences assigned
9457 (98.8%) exact matches, in which:
9291 unique CDR3
14 unique J



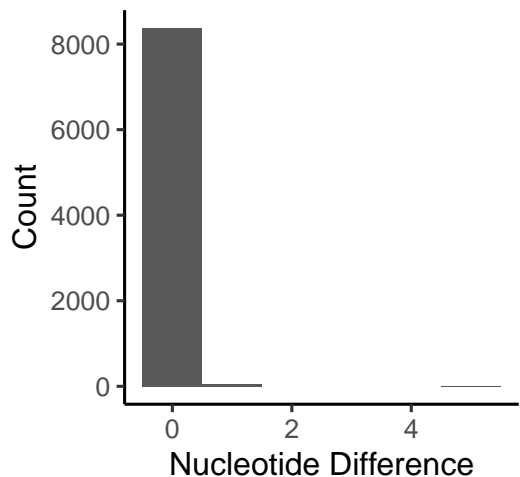
TRBV30*ap02

4144 sequences assigned
4084 (98.6%) exact matches, in which:
4050 unique CDR3
15 unique J



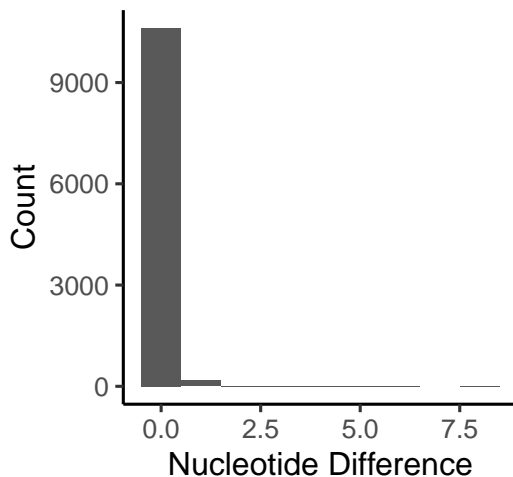
TRBV18*ap01

8426 sequences assigned
8375 (99.4%) exact matches, in which:
8262 unique CDR3
14 unique J



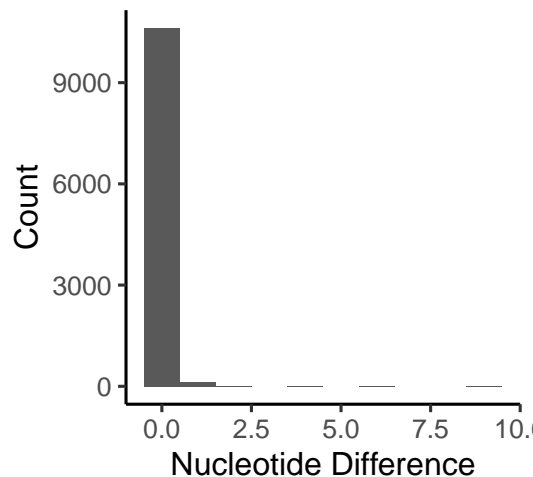
TRBV27*ap01

10799 sequences assigned
10615 (98.3%) exact matches, in which:
10419 unique CDR3
14 unique J



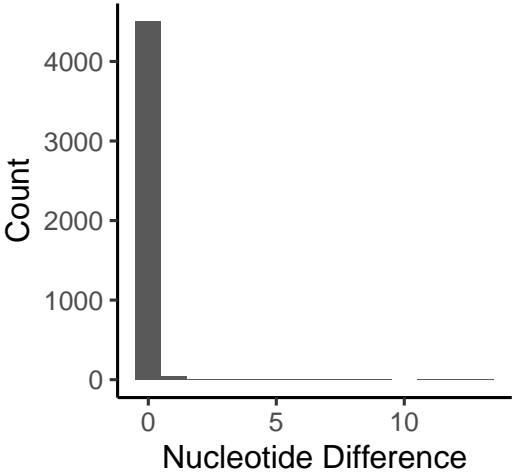
TRBV9*ap01

10755 sequences assigned
10619 (98.7%) exact matches, in which:
10460 unique CDR3
14 unique J



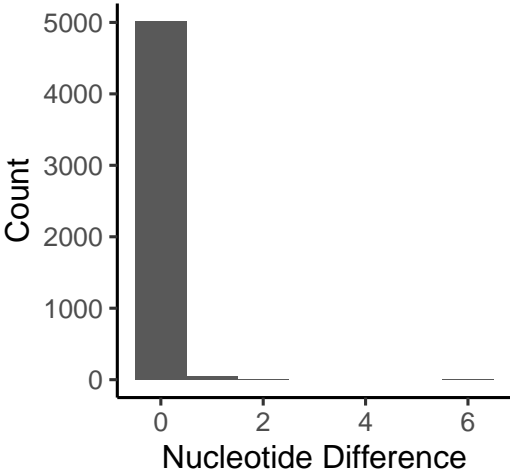
TRBV21-1*ap01

4568 sequences assigned
4503 (98.6%) exact matches, in which:
4404 unique CDR3
14 unique J



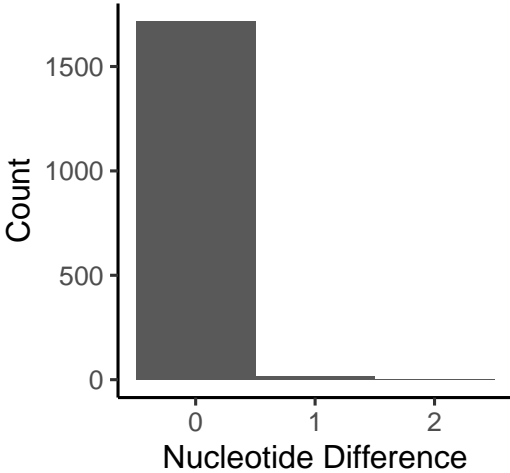
TRBV11-3*ap01

5067 sequences assigned
5014 (99%) exact matches, in which:
4955 unique CDR3
14 unique J



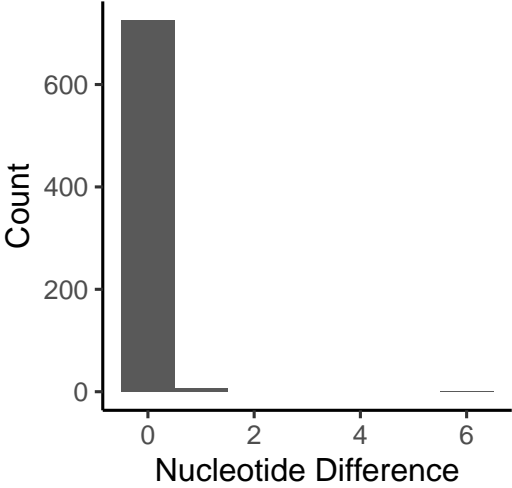
TRBV12-5*ap01

1736 sequences assigned
1716 (98.8%) exact matches, in which:
1692 unique CDR3
14 unique J



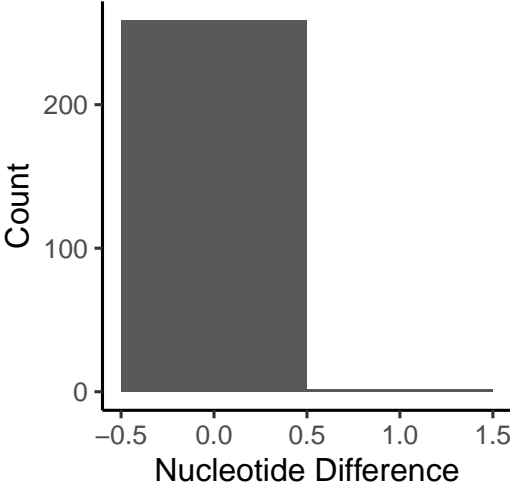
TRBV11-1*ap01

734 sequences assigned
726 (98.9%) exact matches, in which:
708 unique CDR3
14 unique J



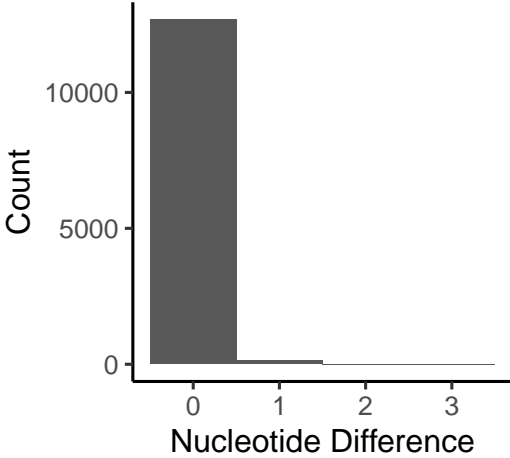
TRBV12-1*ap01

261 sequences assigned
259 (99.2%) exact matches, in which:
252 unique CDR3
14 unique J



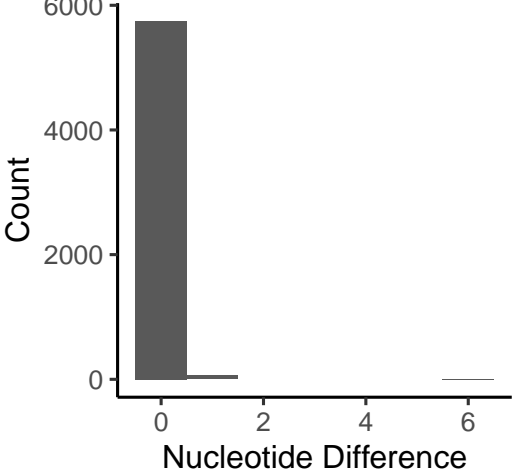
TRBV12-34*ap01

12828 sequences assigned
12684 (98.9%) exact matches, in which:
12521 unique CDR3
14 unique J



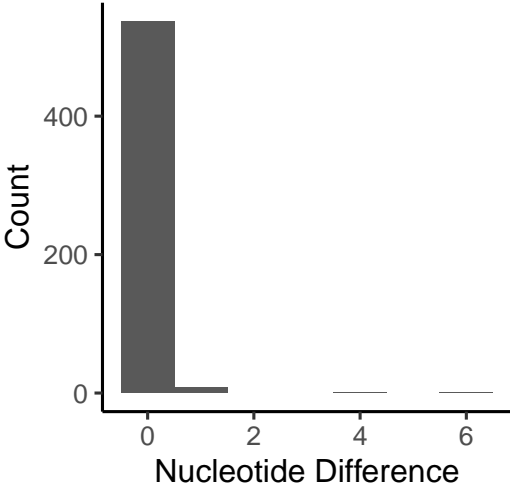
TRBV11-2*ap01

5812 sequences assigned
5747 (98.9%) exact matches, in which:
5658 unique CDR3
14 unique J



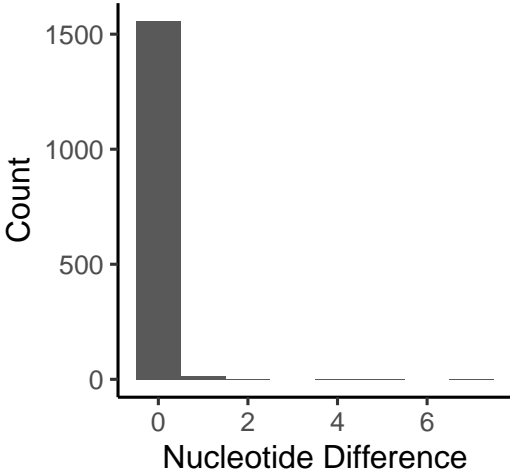
TRBV12-2*ap01

547 sequences assigned
537 (98.2%) exact matches, in which:
526 unique CDR3
14 unique J



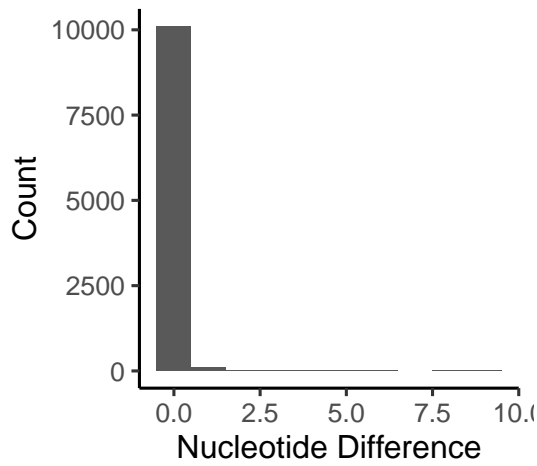
TRBV23-1*ap01

1577 sequences assigned
1557 (98.7%) exact matches, in which:
1534 unique CDR3
14 unique J



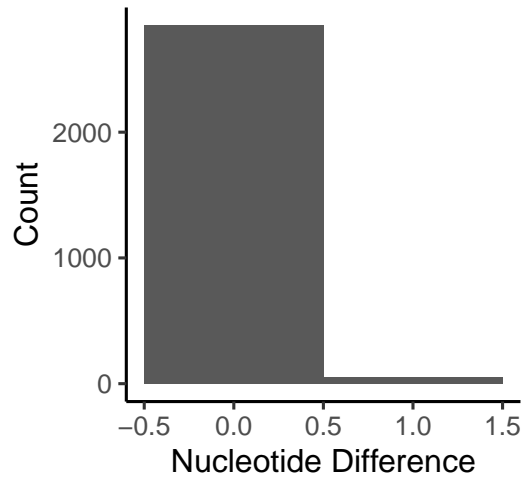
TRBV3-12*ap01

10225 sequences assigned
10107 (98.8%) exact matches, in which:
9897 unique CDR3
14 unique J



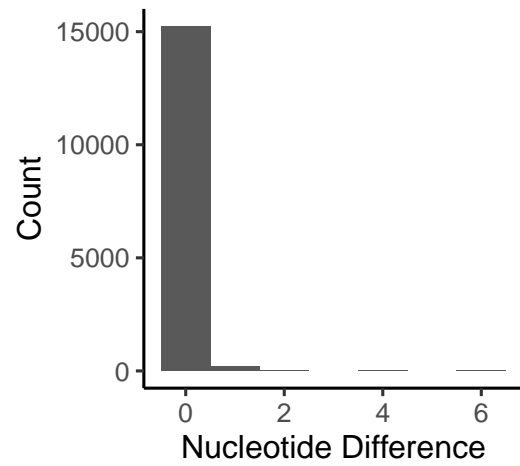
TRBV4-2*ap01

2899 sequences assigned
2849 (98.3%) exact matches, in which:
2792 unique CDR3
14 unique J



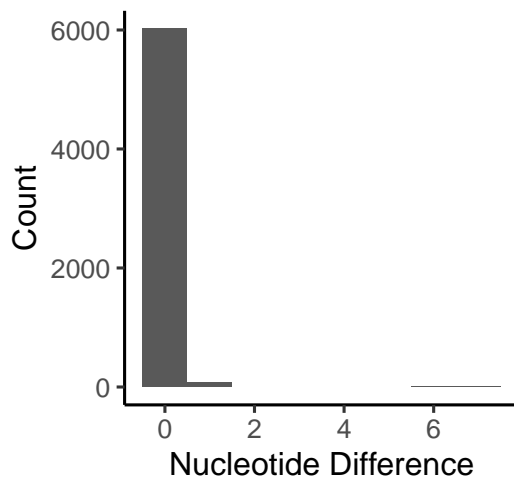
TRBV5-1*ap01

15445 sequences assigned
15244 (98.7%) exact matches, in which:
14934 unique CDR3
14 unique J



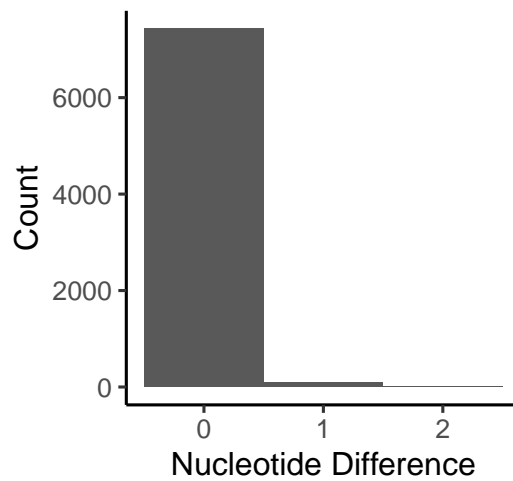
TRBV4-1*ap01

6091 sequences assigned
6021 (98.9%) exact matches, in which:
5919 unique CDR3
14 unique J



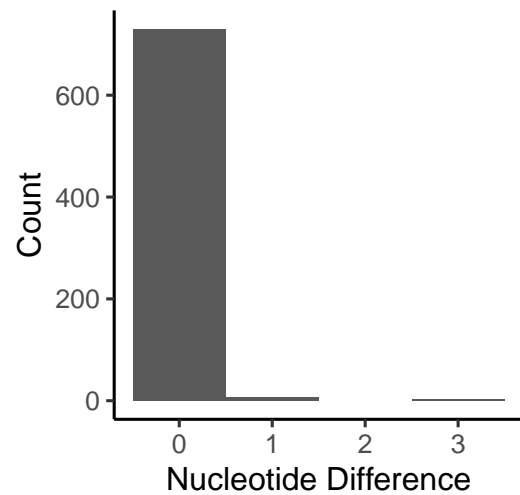
TRBV4-3*ap01

7520 sequences assigned
7429 (98.8%) exact matches, in which:
7304 unique CDR3
14 unique J



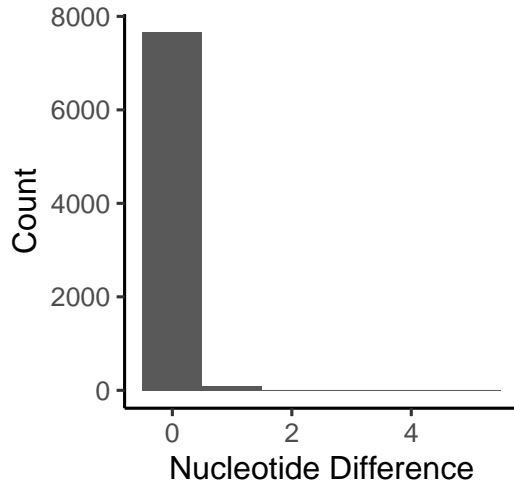
TRBV5-3*ap01

739 sequences assigned
730 (98.8%) exact matches, in which:
719 unique CDR3
14 unique J



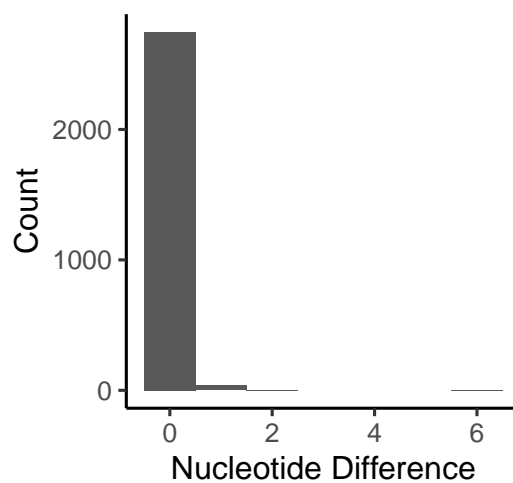
TRBV24-1*ap01

7773 sequences assigned
7665 (98.6%) exact matches, in which:
7565 unique CDR3
14 unique J



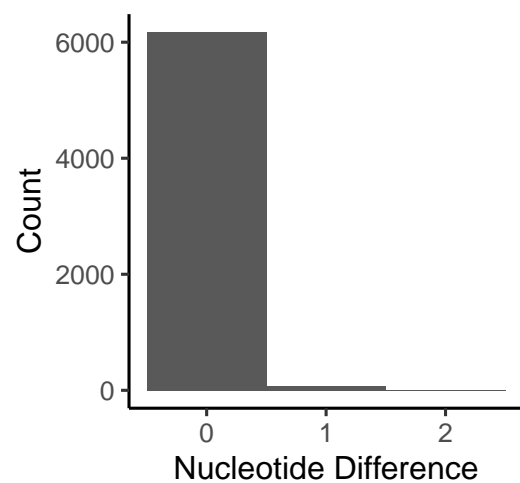
TRBV25-1*ap01

2788 sequences assigned
2747 (98.5%) exact matches, in which:
2715 unique CDR3
14 unique J



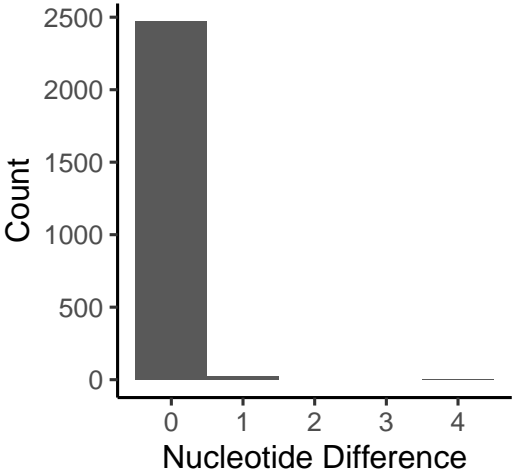
TRBV5-4*ap01

6251 sequences assigned
6175 (98.8%) exact matches, in which:
6067 unique CDR3
14 unique J



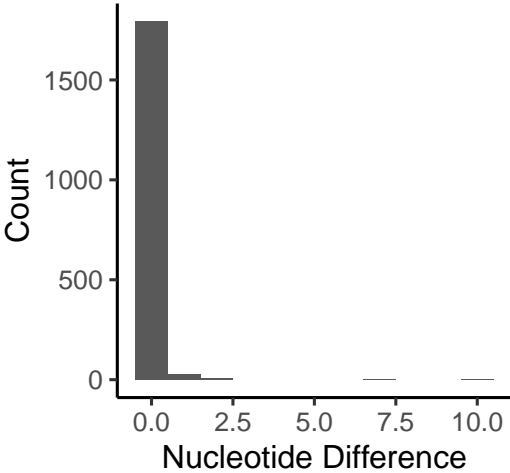
TRBV5-5*ap01

2496 sequences assigned
2471 (99%) exact matches, in which:
2444 unique CDR3
14 unique J



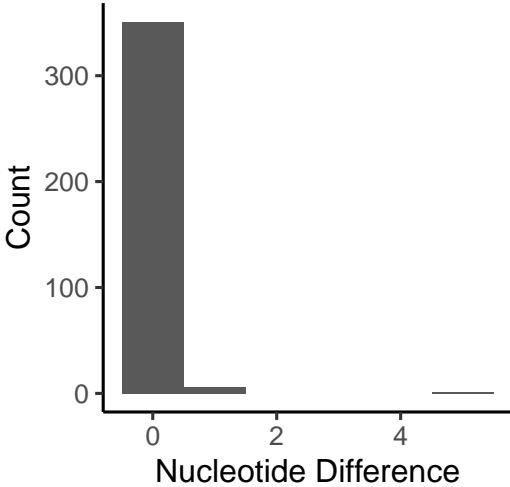
TRBV5-8*ap01

1830 sequences assigned
1793 (98%) exact matches, in which:
1763 unique CDR3
14 unique J



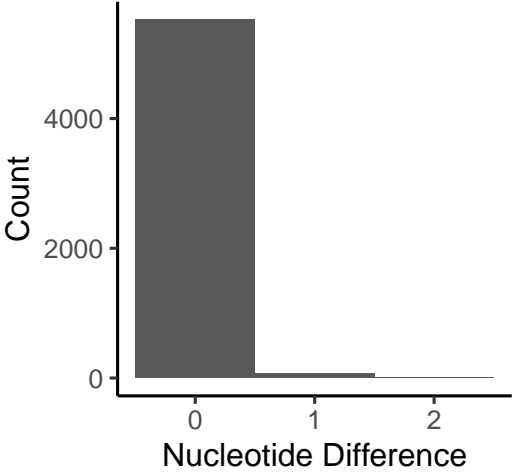
TRBV6-7*ap01

358 sequences assigned
351 (98%) exact matches, in which:
343 unique CDR3
14 unique J



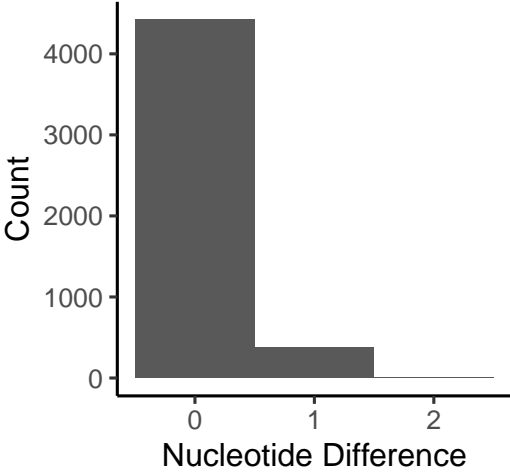
TRBV5-6*ap01

5595 sequences assigned
5524 (98.7%) exact matches, in which:
5401 unique CDR3
14 unique J



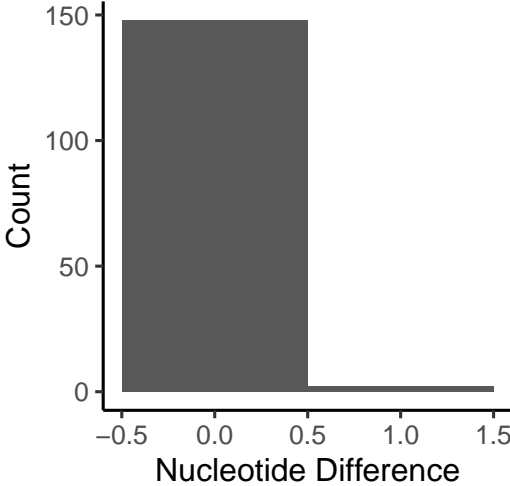
TRBV6-1*ap01

4796 sequences assigned
4421 (92.2%) exact matches, in which:
4323 unique CDR3
14 unique J



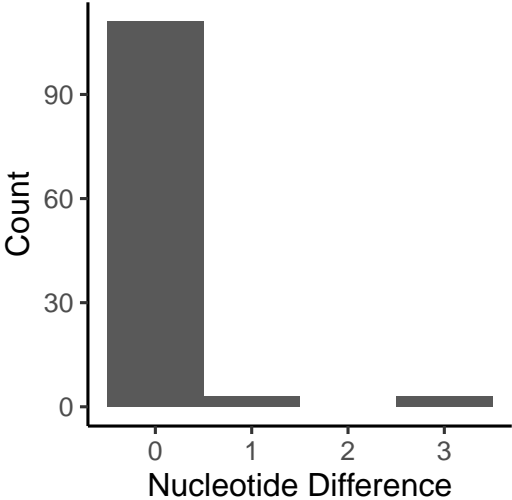
TRBV6-8*ap01

150 sequences assigned
148 (98.7%) exact matches, in which:
144 unique CDR3
14 unique J



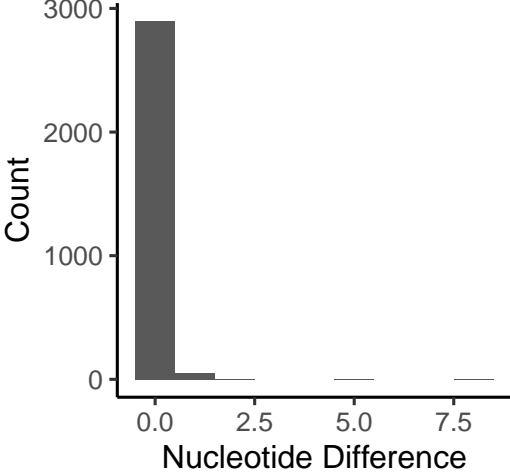
TRBV5-7*ap01

117 sequences assigned
111 (94.9%) exact matches, in which:
108 unique CDR3
14 unique J



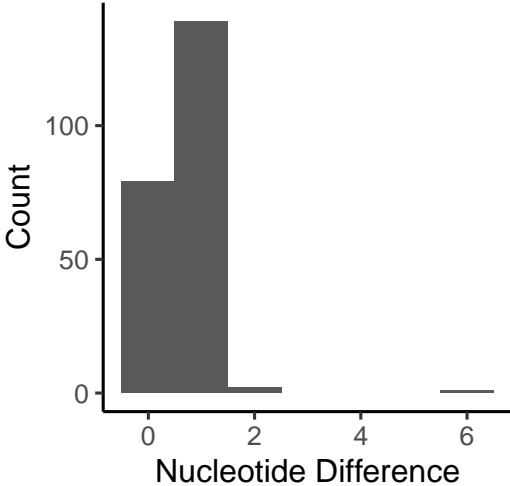
TRBV6-4*ap01

2955 sequences assigned
2898 (98.1%) exact matches, in which:
2845 unique CDR3
14 unique J



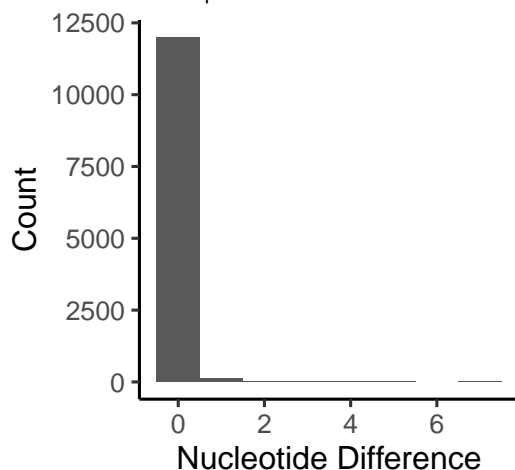
TRBV6-9*ap01

221 sequences assigned
79 (35.7%) exact matches, in which:
76 unique CDR3
12 unique J



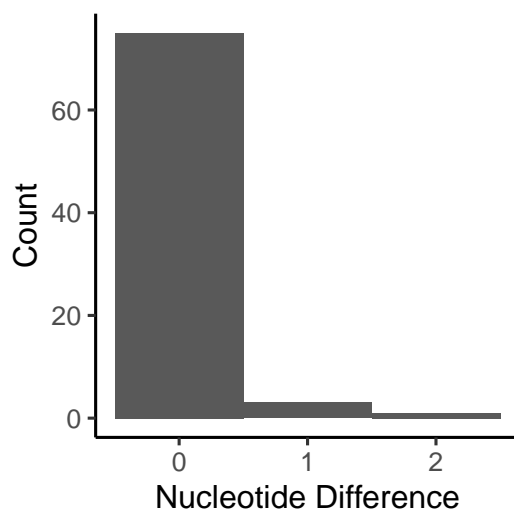
TRBV6-23*ap01

12132 sequences assigned
12003 (98.9%) exact matches, in which:
11705 unique CDR3
14 unique J



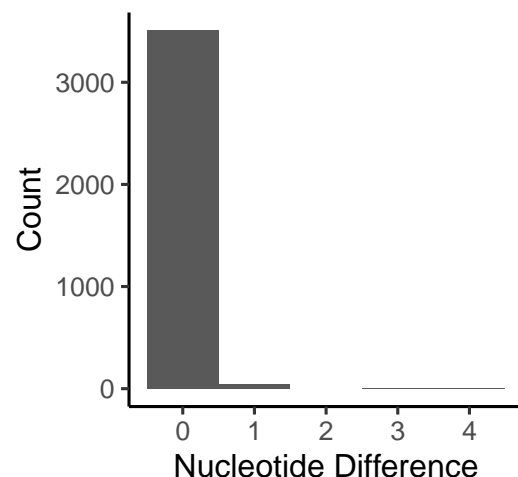
TRBV7-1*ap01_G291C_T

79 sequences assigned
75 (94.9%) exact matches, in which:
74 unique CDR3
14 unique J



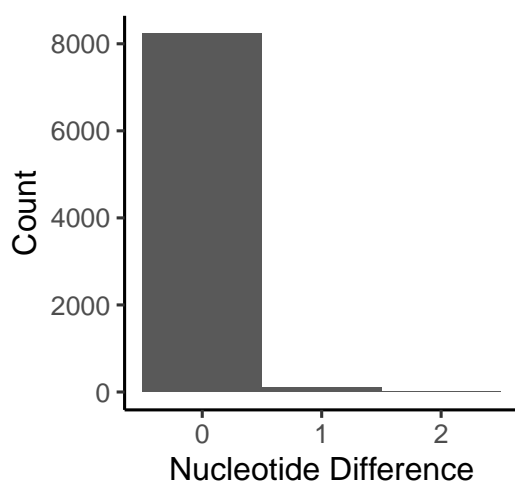
TRBV7-3*ap01

3552 sequences assigned
3508 (98.8%) exact matches, in which:
3448 unique CDR3
14 unique J



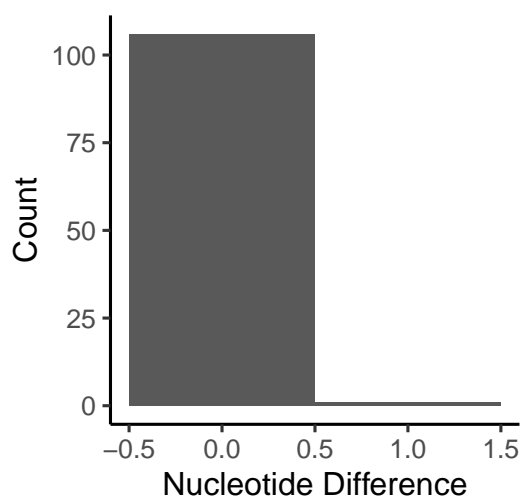
TRBV6-56*ap01

8329 sequences assigned
8231 (98.8%) exact matches, in which:
8073 unique CDR3
14 unique J



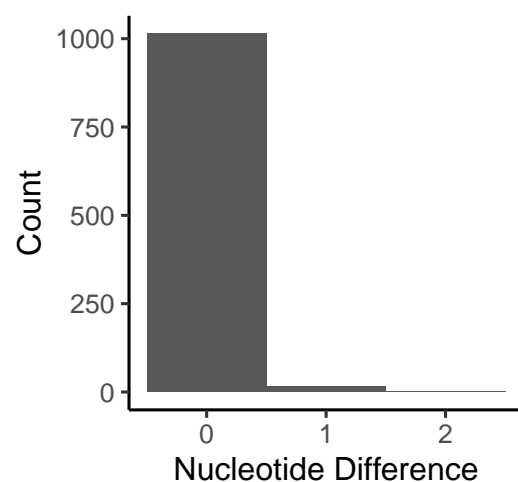
TRBV7-1*ap01_G291C_

107 sequences assigned
106 (99.1%) exact matches, in which:
106 unique CDR3
13 unique J



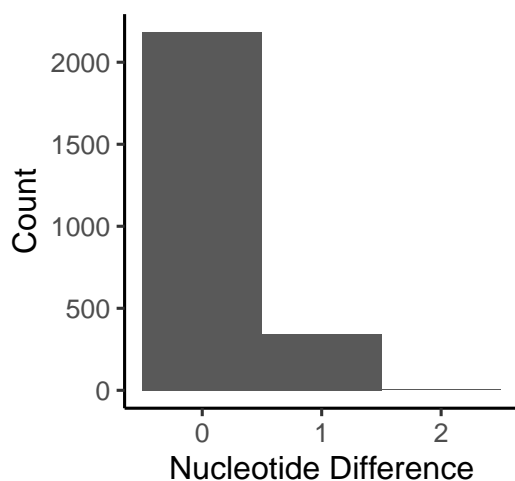
TRBV7-3*ap02

1031 sequences assigned
1014 (98.4%) exact matches, in which:
991 unique CDR3
13 unique J



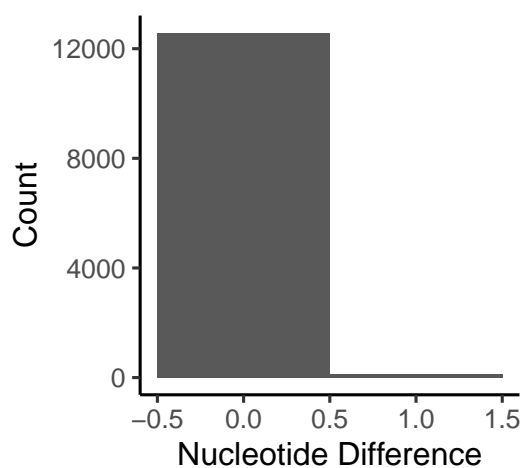
TRBV6-56*ap02

2531 sequences assigned
2184 (86.3%) exact matches, in which:
2147 unique CDR3
14 unique J



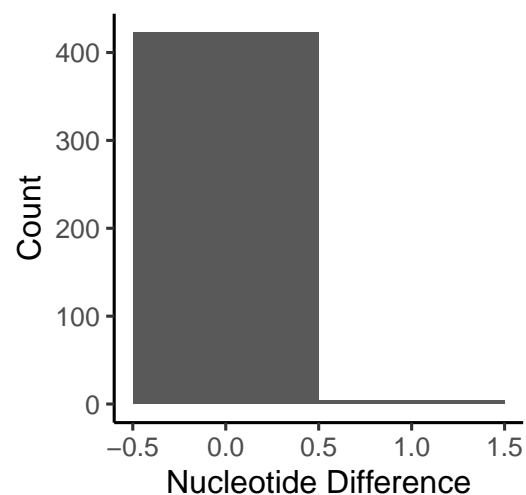
TRBV7-2*ap01

12702 sequences assigned
12580 (99%) exact matches, in which:
12390 unique CDR3
14 unique J



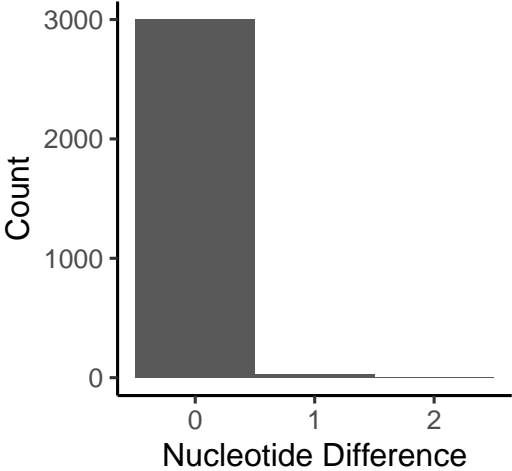
TRBV7-4*ap01

427 sequences assigned
423 (99.1%) exact matches, in which:
419 unique CDR3
14 unique J



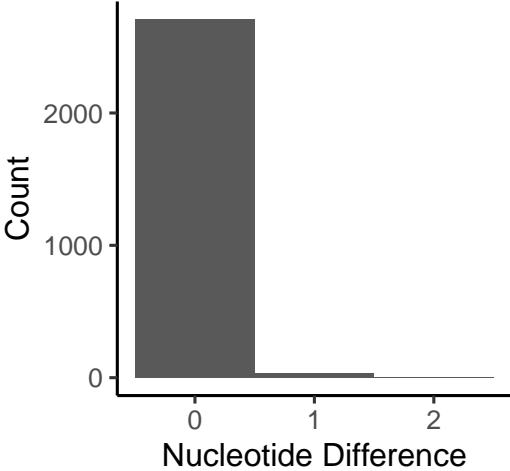
TRBV7-6*ap01

3037 sequences assigned
3001 (98.8%) exact matches, in which:
2940 unique CDR3
14 unique J



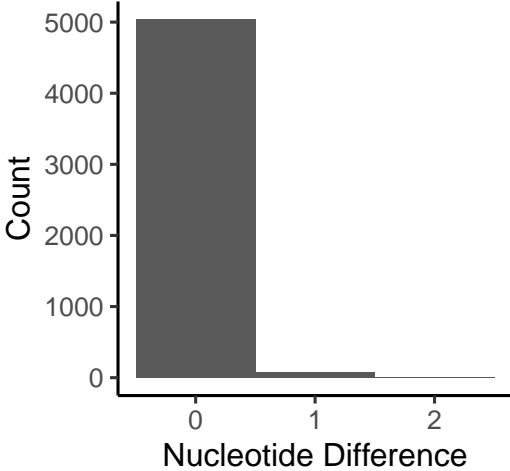
TRBV7-8*ap01

2739 sequences assigned
2707 (98.8%) exact matches, in which:
2651 unique CDR3
14 unique J



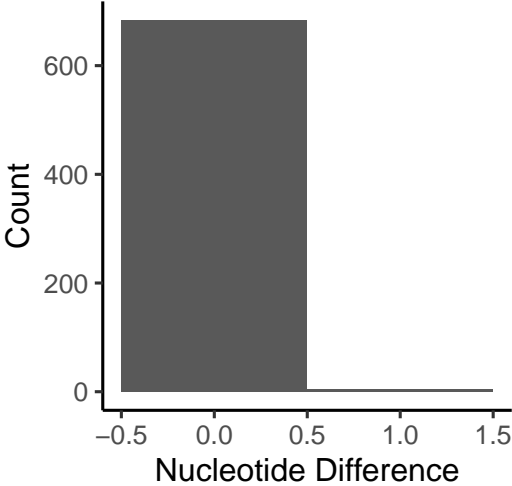
TRBV29-1*ap01

5115 sequences assigned
5038 (98.5%) exact matches, in which:
4955 unique CDR3
14 unique J



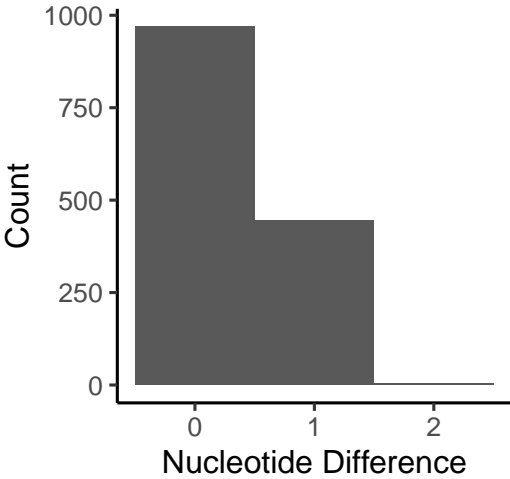
TRBV7-7*ap01

689 sequences assigned
684 (99.3%) exact matches, in which:
674 unique CDR3
13 unique J



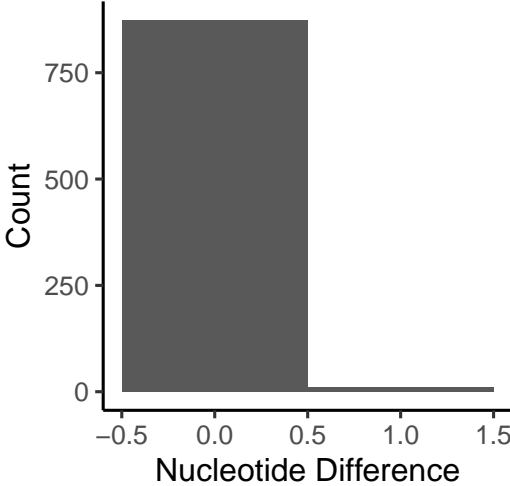
TRBV7-8*ap03

1419 sequences assigned
969 (68.3%) exact matches, in which:
955 unique CDR3
14 unique J



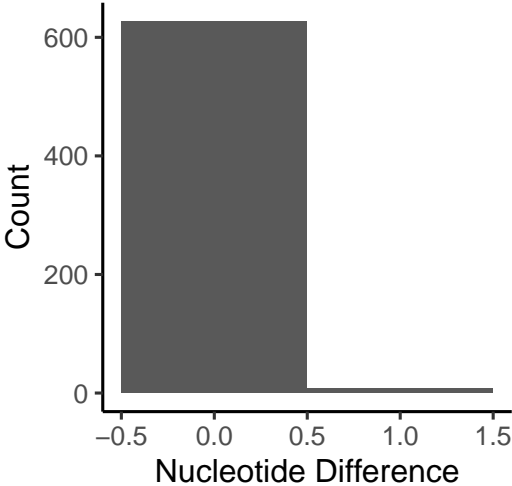
TRBV29-1*ap02

885 sequences assigned
874 (98.8%) exact matches, in which:
866 unique CDR3
14 unique J



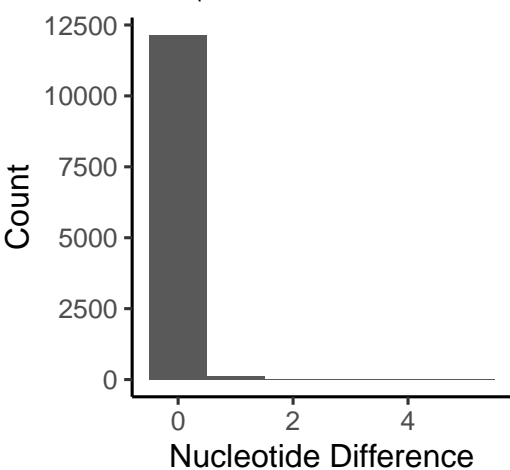
TRBV7-7*ap01_C315T

634 sequences assigned
627 (98.9%) exact matches, in which:
618 unique CDR3
13 unique J

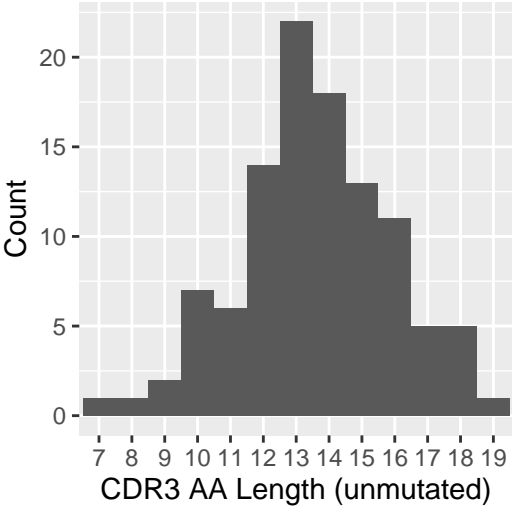


TRBV7-9*ap01

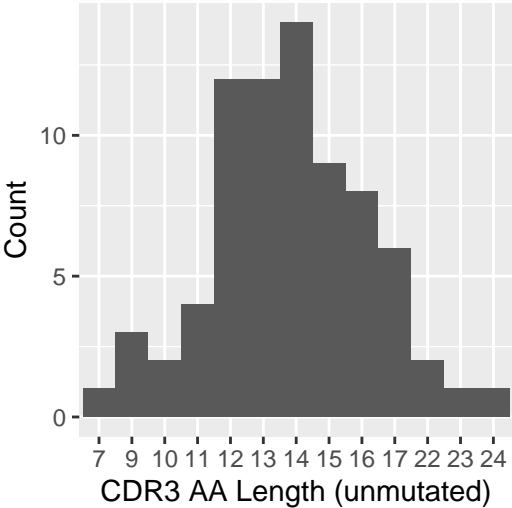
12284 sequences assigned
12154 (98.9%) exact matches, in which:
11999 unique CDR3
14 unique J



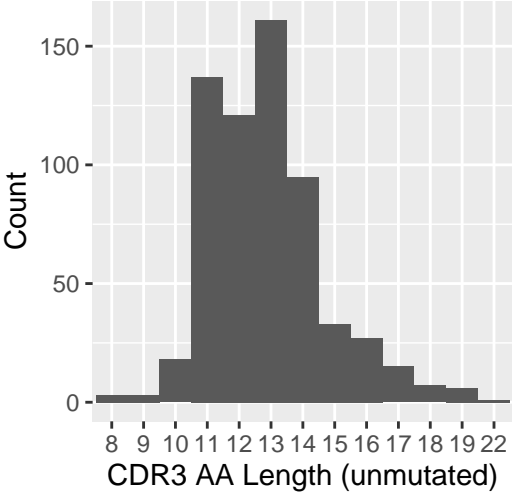
TRBV7-1*ap01_G291C_T296C_C314T

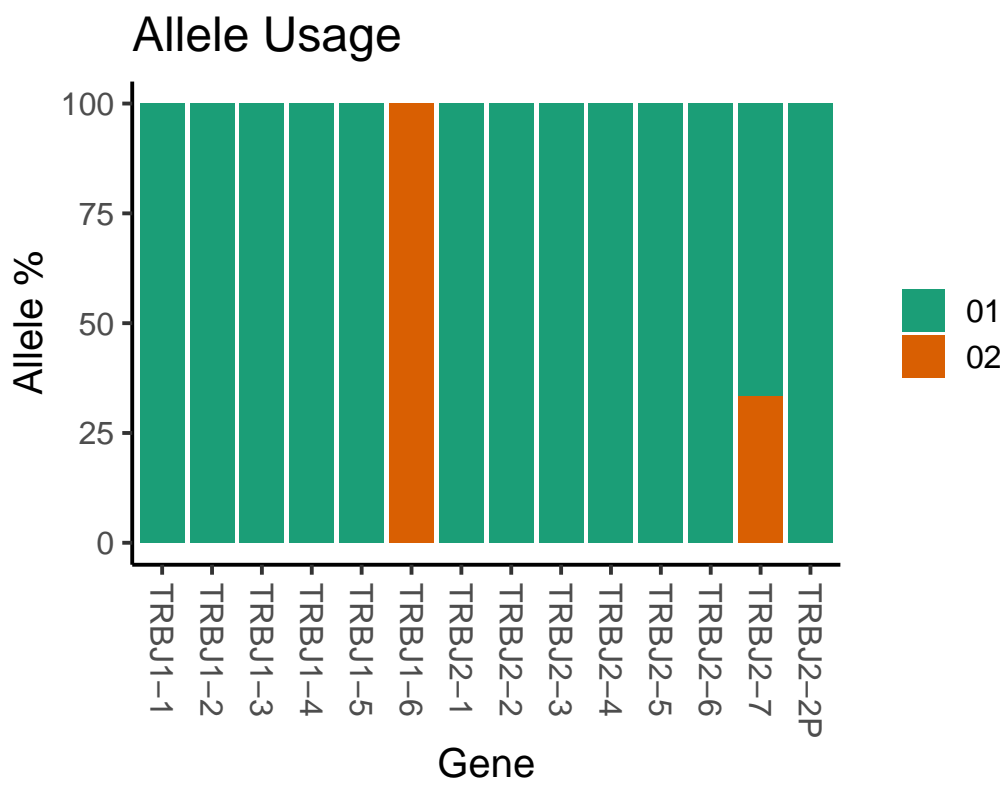


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage

