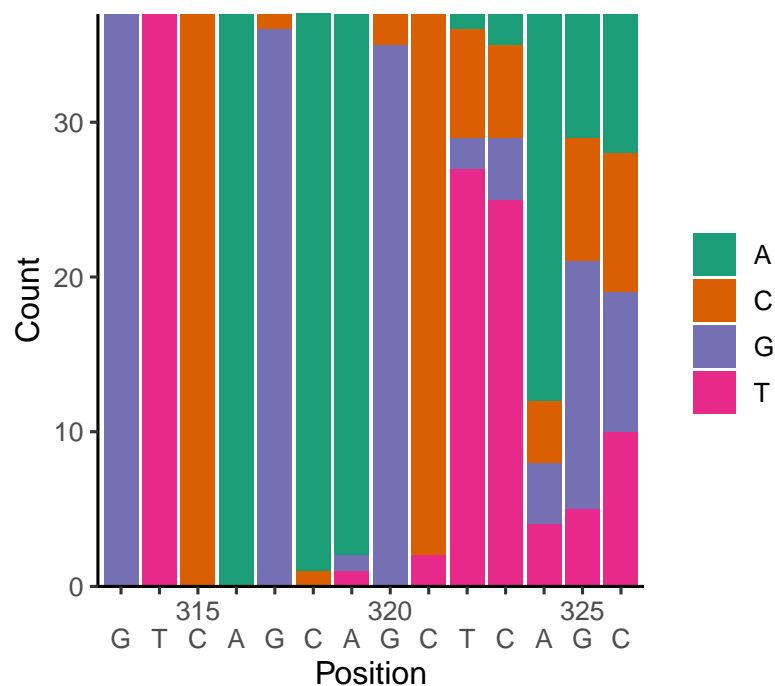
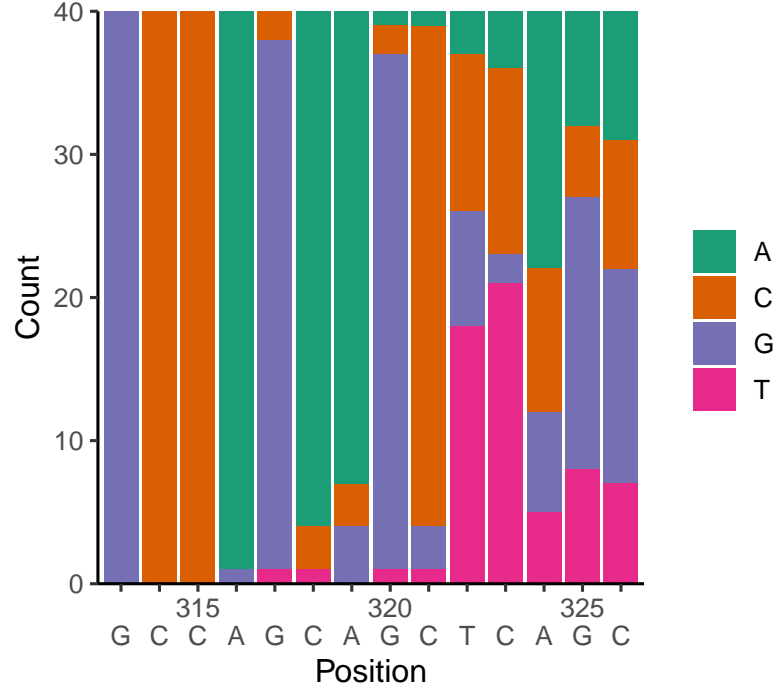


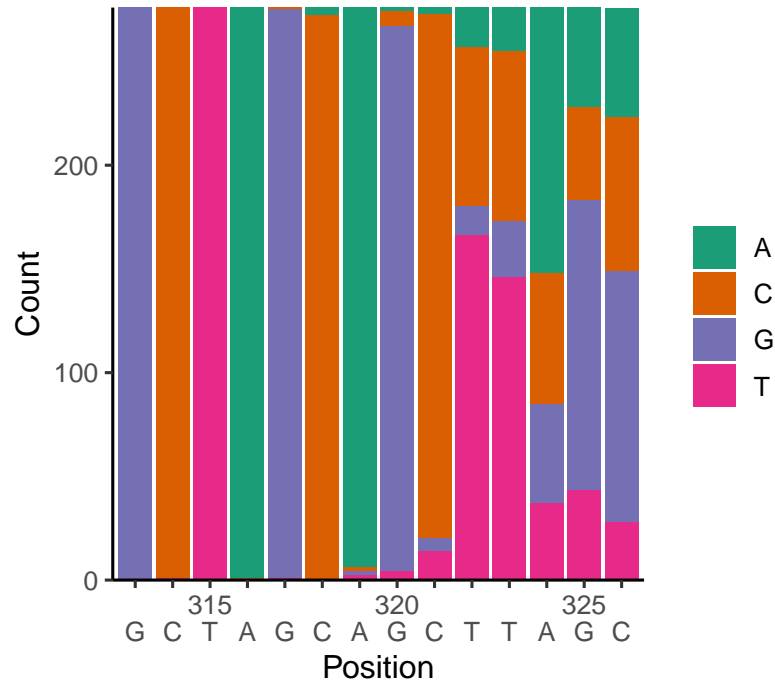
Gene TRBV7-1*ap01_G291C_T296C_C314T



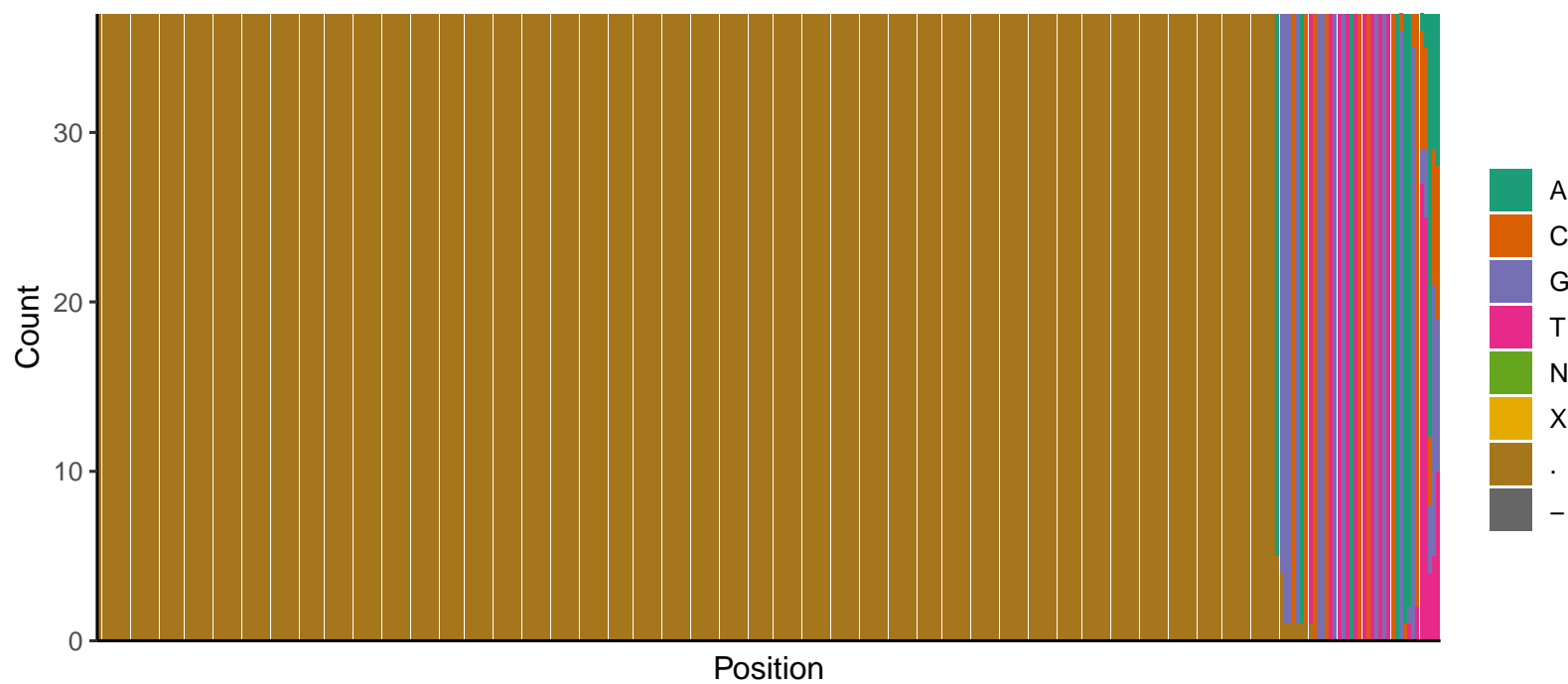
Gene TRBV7-1*ap01_G291C_T296C



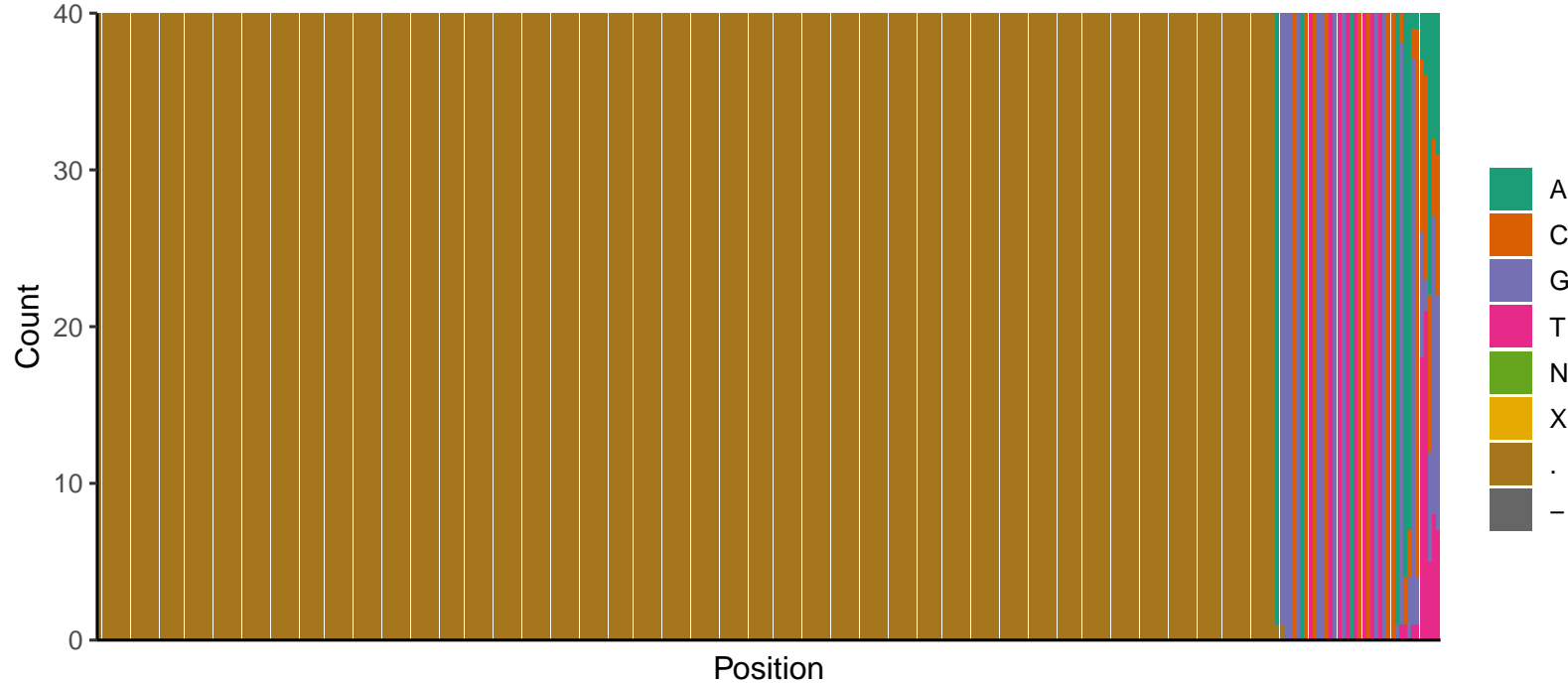
Gene TRBV7-7*ap01_C315T



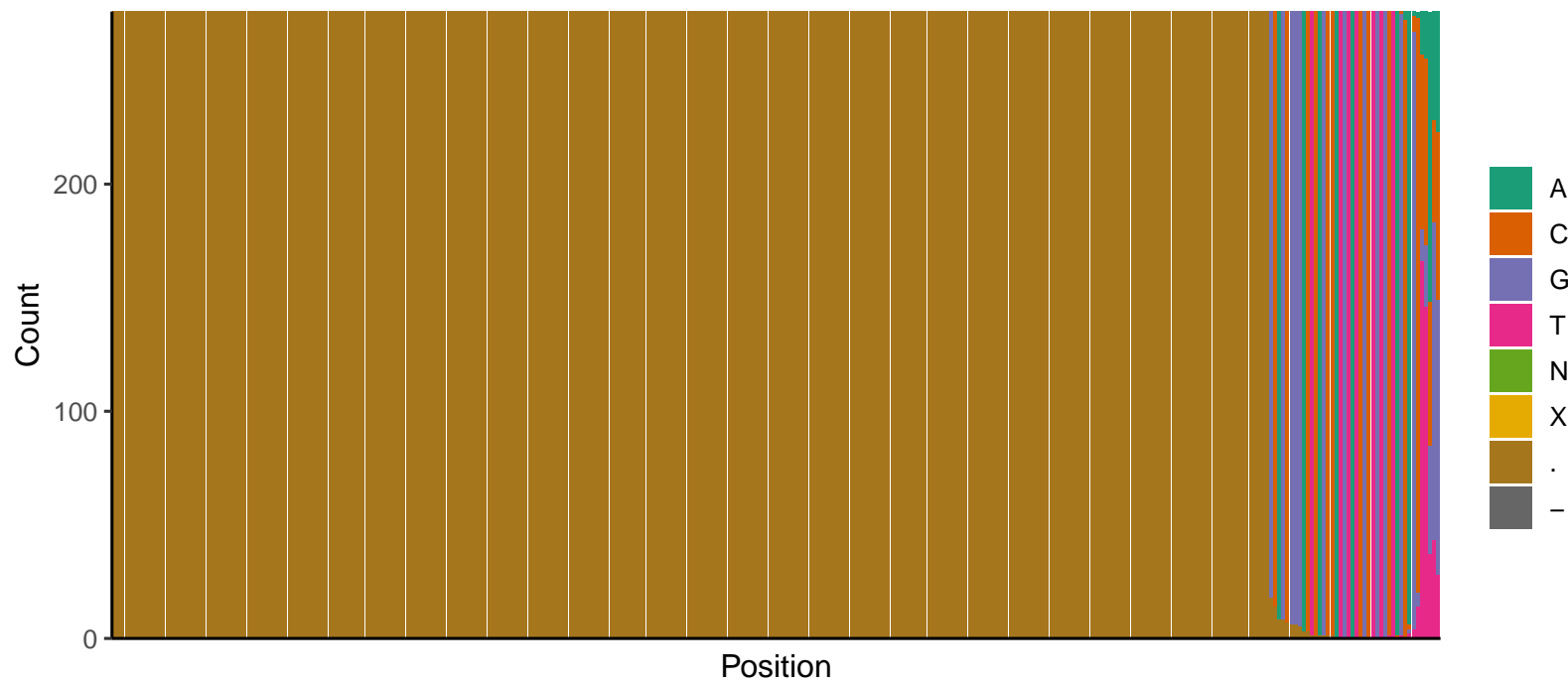
Gene TRBV7-1*ap01_G291C_T296C_C314T



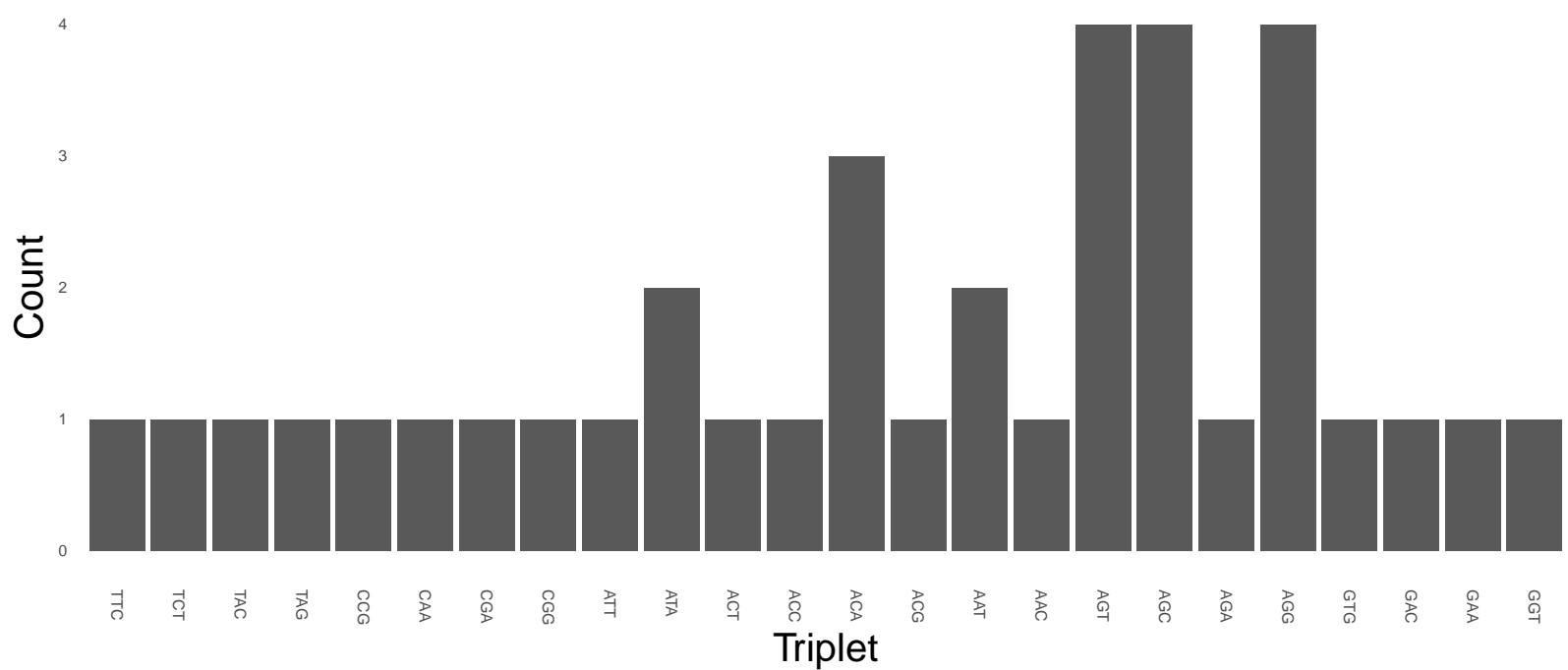
Gene TRBV7-1*ap01_G291C_T296C



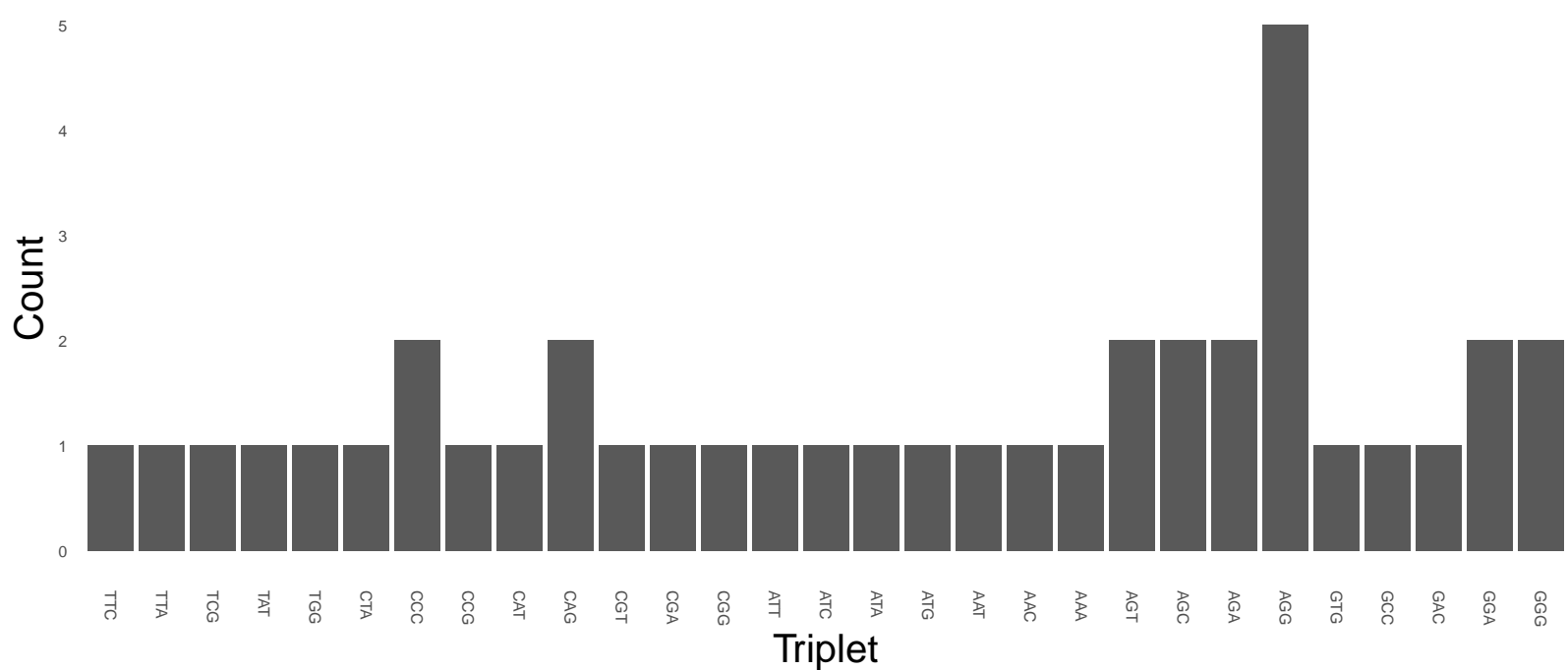
Gene TRBV7-7*ap01_C315T



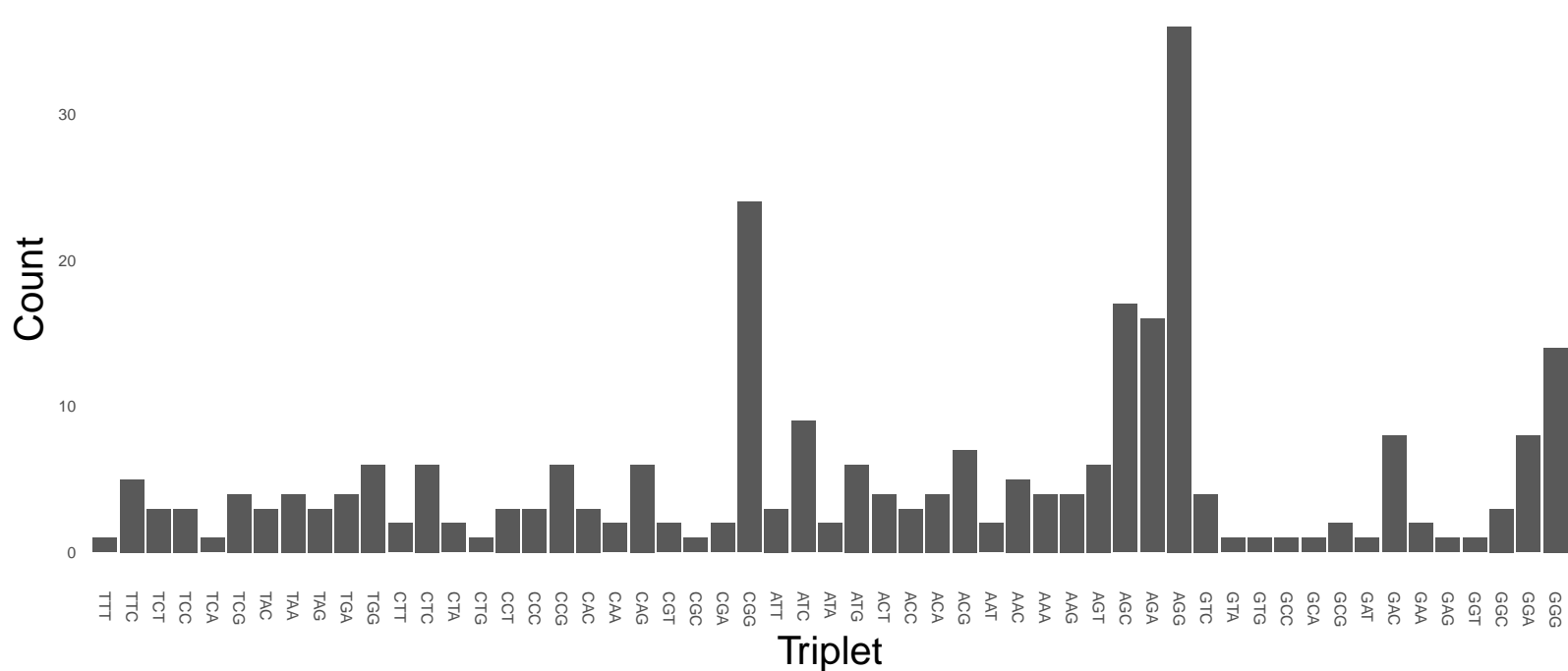
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

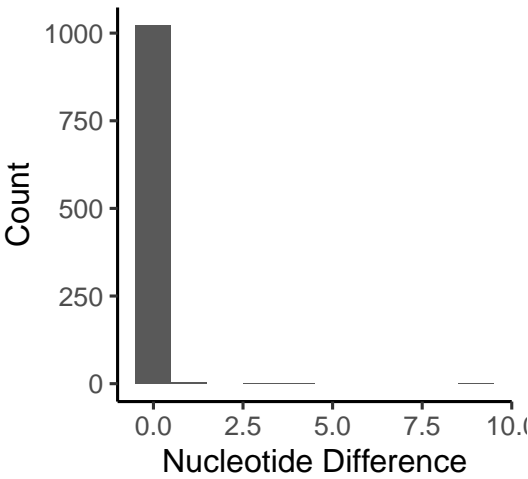


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



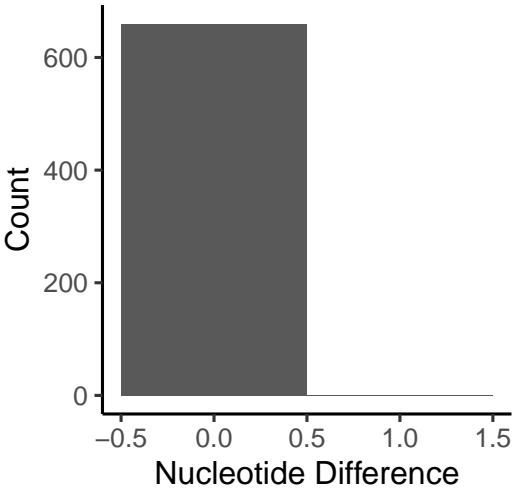
TRBV10-1*ap01

1028 sequences assigned
1022 (99.4%) exact matches, in which:
1017 unique CDR3
13 unique J



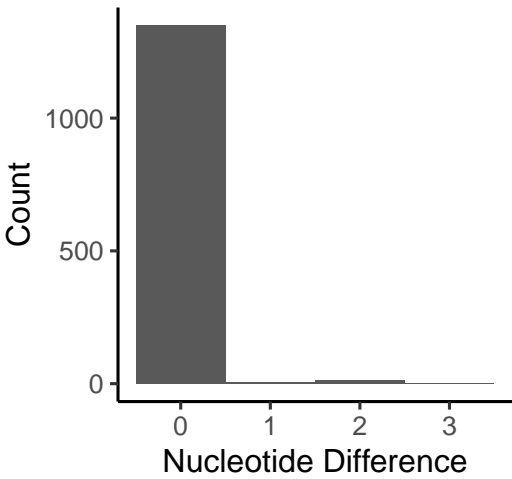
TRBV10-2*ap01

661 sequences assigned
660 (99.8%) exact matches, in which:
658 unique CDR3
13 unique J



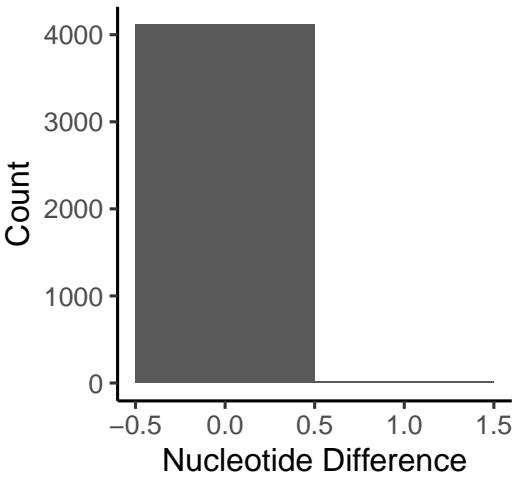
TRBV13*ap01

1370 sequences assigned
1349 (98.5%) exact matches, in which:
1341 unique CDR3
13 unique J



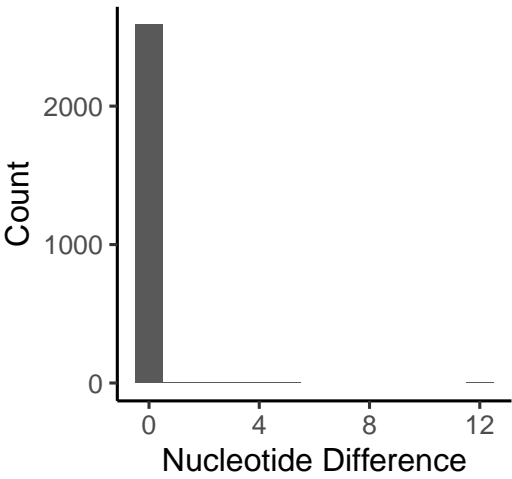
TRBV20-1*ap01

4128 sequences assigned
4115 (99.7%) exact matches, in which:
4103 unique CDR3
13 unique J



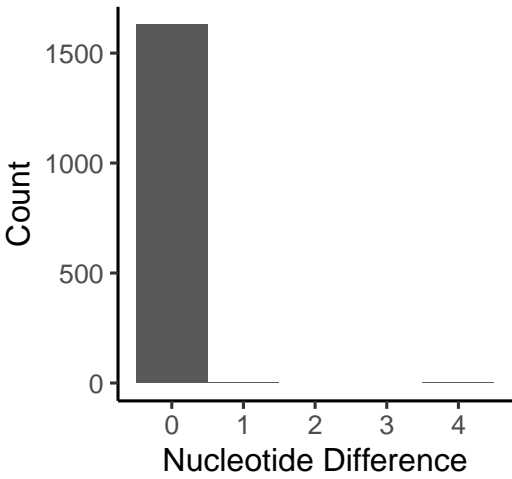
TRBV10-3*ap01

2597 sequences assigned
2588 (99.7%) exact matches, in which:
2586 unique CDR3
13 unique J



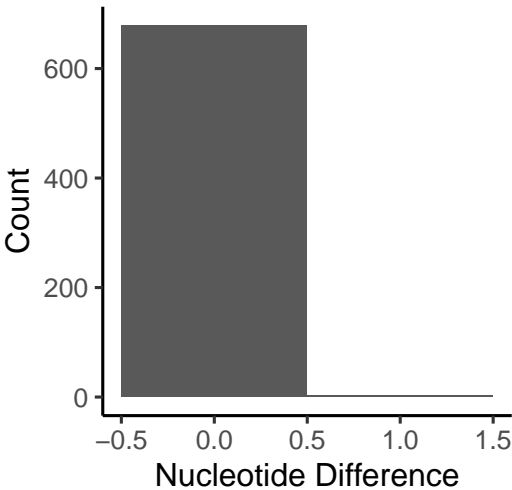
TRBV14*ap01

1631 sequences assigned
1629 (99.9%) exact matches, in which:
1626 unique CDR3
13 unique J



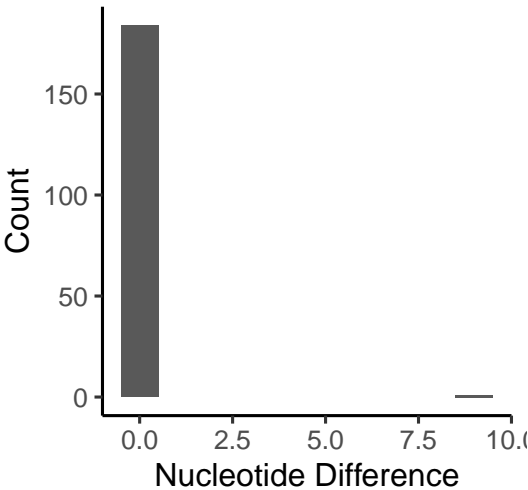
TRBV20-1*ap02

681 sequences assigned
679 (99.7%) exact matches, in which:
675 unique CDR3
13 unique J



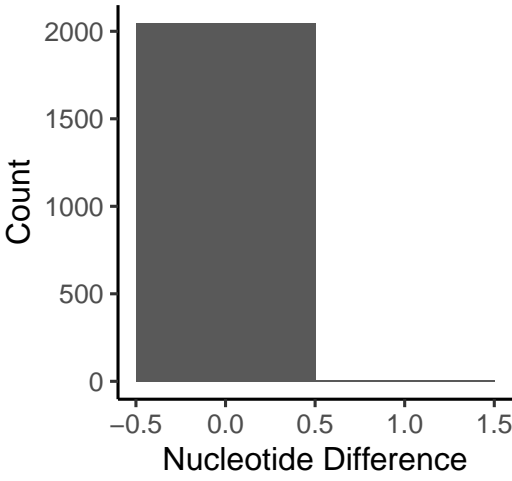
TRBV1*ap01

185 sequences assigned
184 (99.5%) exact matches, in which:
184 unique CDR3
13 unique J



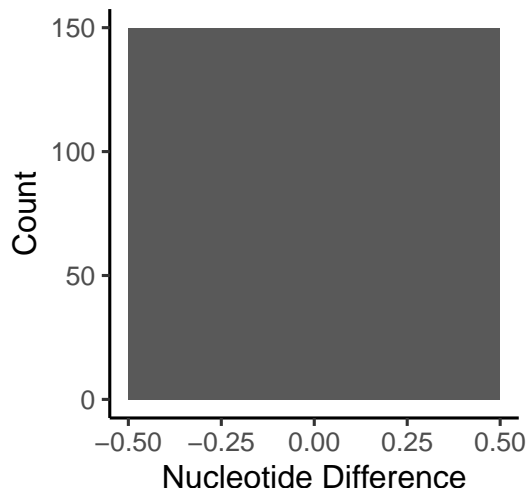
TRBV15*ap02

2053 sequences assigned
2047 (99.7%) exact matches, in which:
2040 unique CDR3
13 unique J



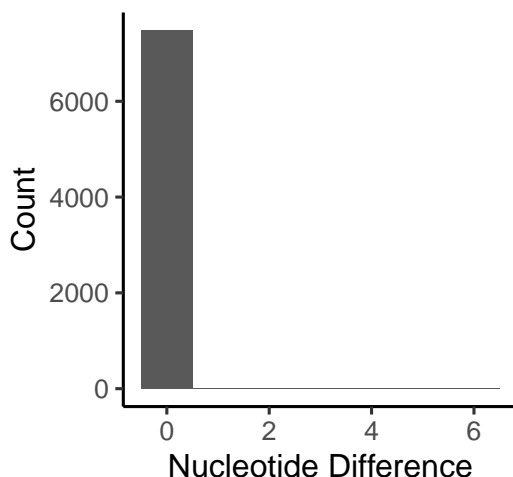
TRBV16*ap01

150 sequences assigned
150 (100%) exact matches, in which:
150 unique CDR3
13 unique J



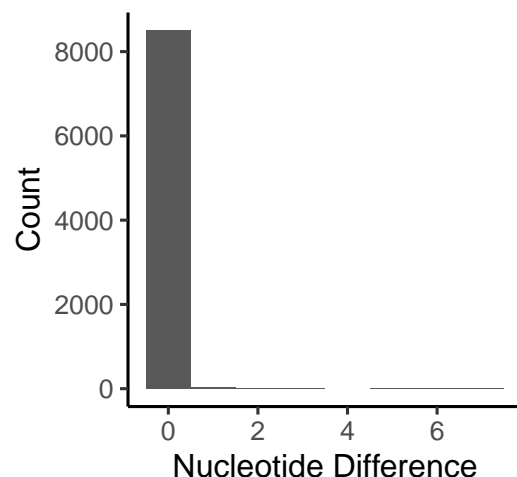
TRBV19*ap01

7496 sequences assigned
7480 (99.8%) exact matches, in which:
7477 unique CDR3
13 unique J



TRBV27*ap01

8546 sequences assigned
8503 (99.5%) exact matches, in which:
8472 unique CDR3
13 unique J



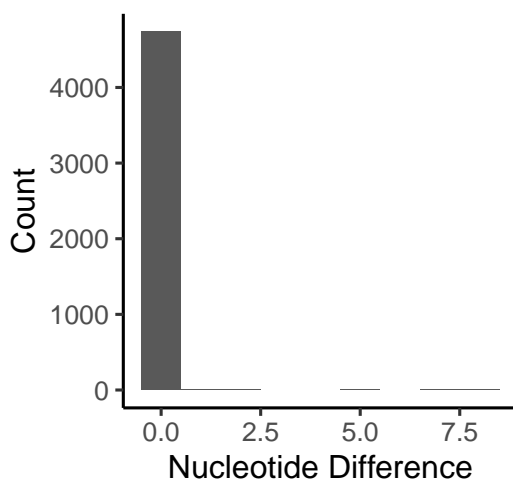
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



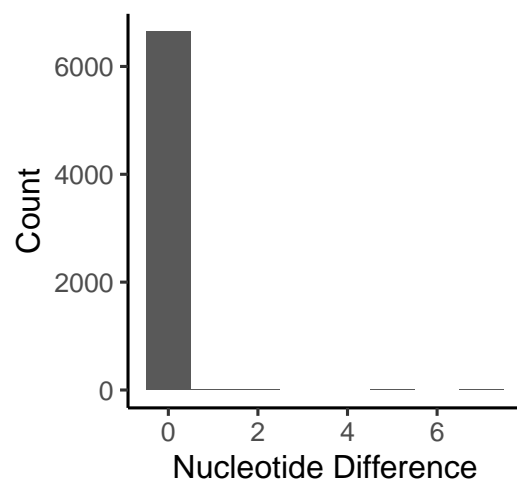
TRBV2*ap01

4755 sequences assigned
4737 (99.6%) exact matches, in which:
4724 unique CDR3
13 unique J



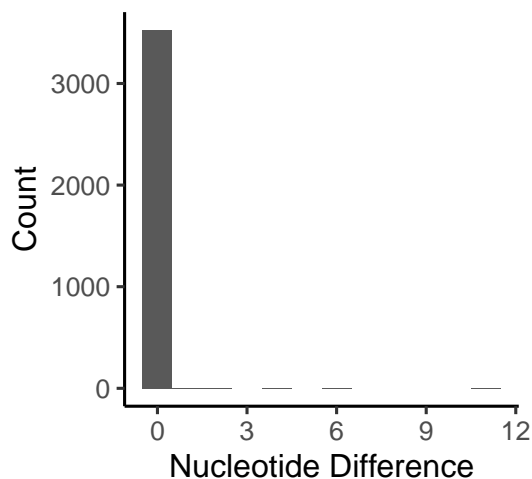
TRBV28*ap01

6658 sequences assigned
6644 (99.8%) exact matches, in which:
6634 unique CDR3
13 unique J



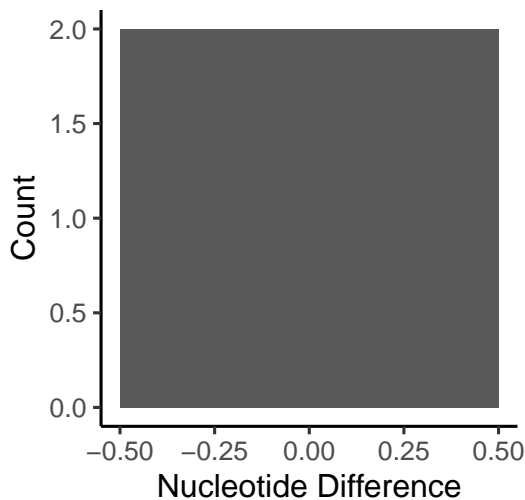
TRBV18*ap01

3534 sequences assigned
3526 (99.8%) exact matches, in which:
3524 unique CDR3
13 unique J



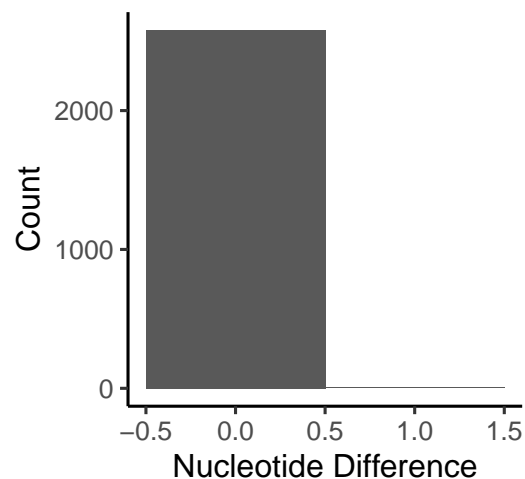
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



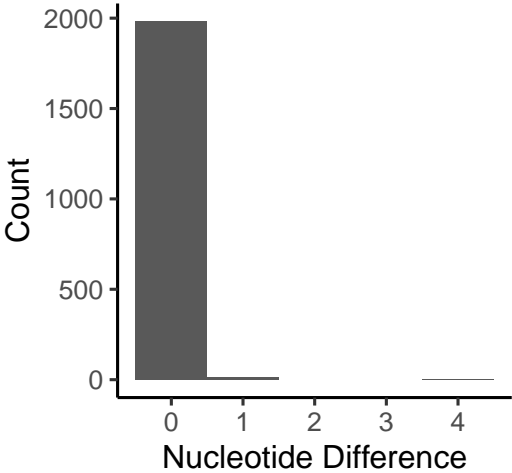
TRBV30*ap01

2587 sequences assigned
2580 (99.7%) exact matches, in which:
2573 unique CDR3
13 unique J



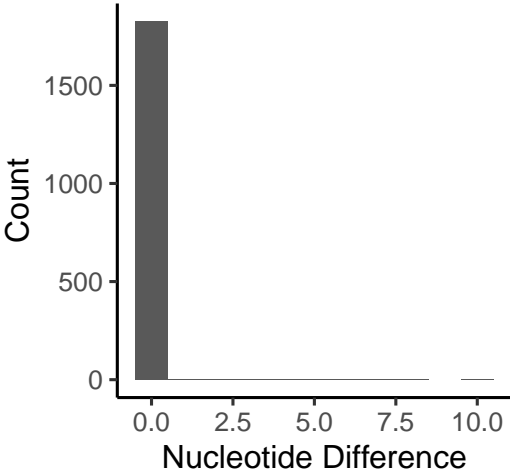
TRBV30*ap02

1995 sequences assigned
1982 (99.3%) exact matches, in which:
1978 unique CDR3
13 unique J



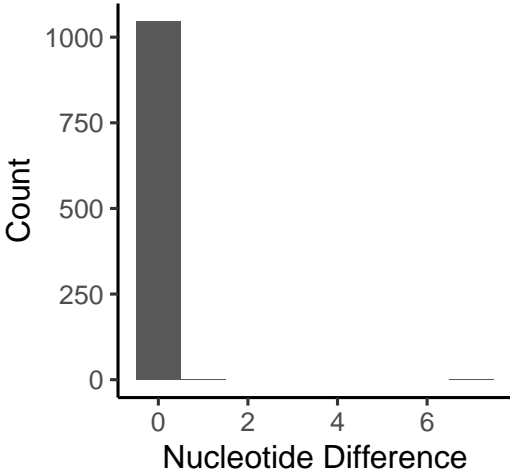
TRBV21-1*ap01

1848 sequences assigned
1826 (98.8%) exact matches, in which:
1826 unique CDR3
13 unique J



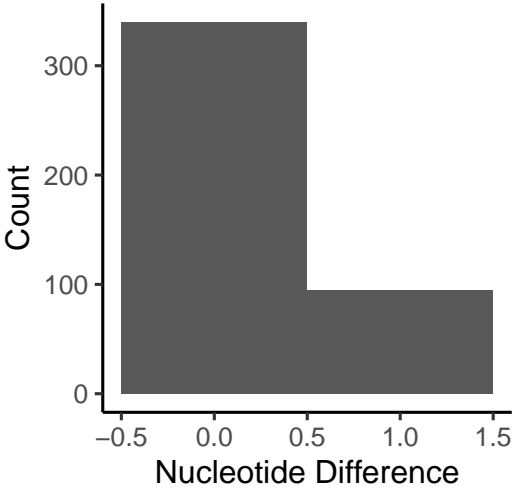
TRBV11-3*ap01

1048 sequences assigned
1046 (99.8%) exact matches, in which:
1045 unique CDR3
13 unique J



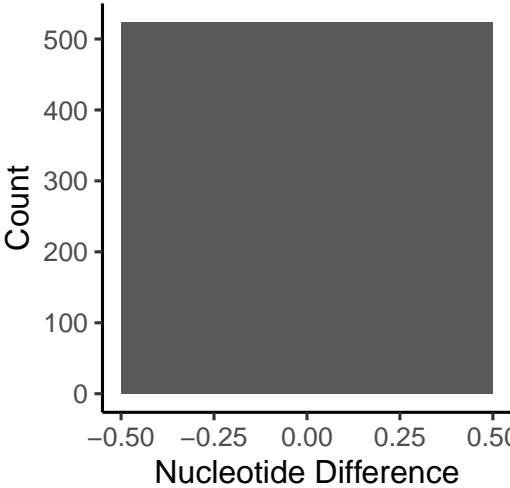
TRBV30*ap03

435 sequences assigned
340 (78.2%) exact matches, in which:
337 unique CDR3
13 unique J



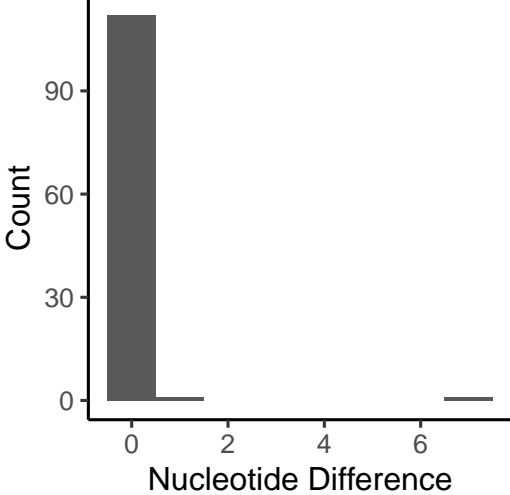
TRBV11-1*ap01

524 sequences assigned
524 (100%) exact matches, in which:
524 unique CDR3
13 unique J



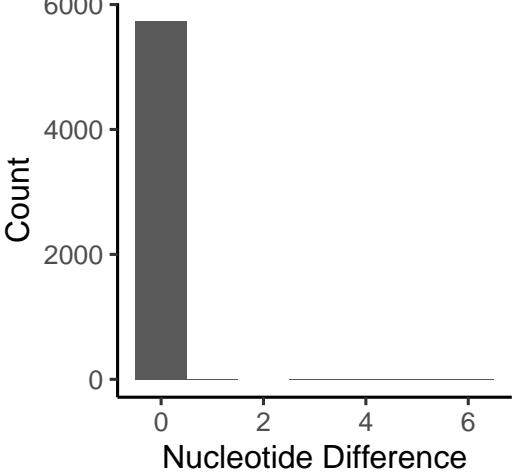
TRBV12-1*ap01

114 sequences assigned
112 (98.2%) exact matches, in which:
112 unique CDR3
13 unique J



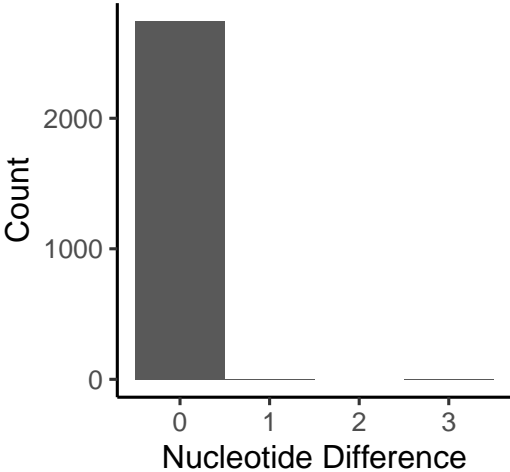
TRBV9*ap01

5751 sequences assigned
5736 (99.7%) exact matches, in which:
5723 unique CDR3
13 unique J



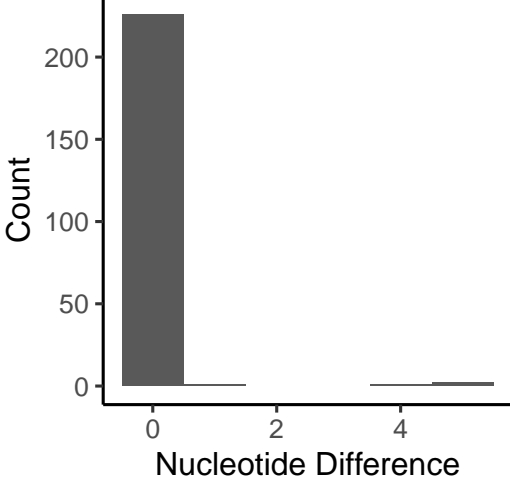
TRBV11-2*ap01

2748 sequences assigned
2745 (99.9%) exact matches, in which:
2739 unique CDR3
13 unique J



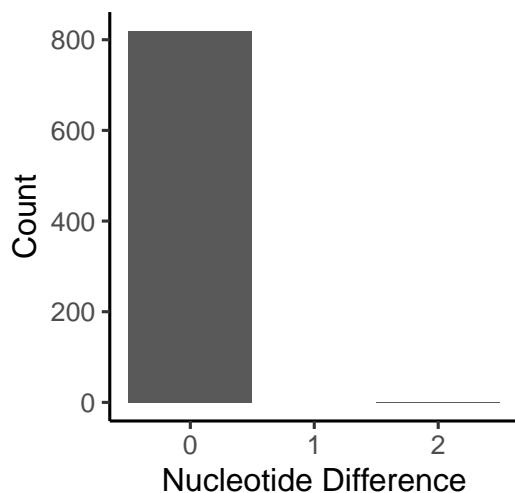
TRBV12-2*ap01

230 sequences assigned
226 (98.3%) exact matches, in which:
226 unique CDR3
13 unique J



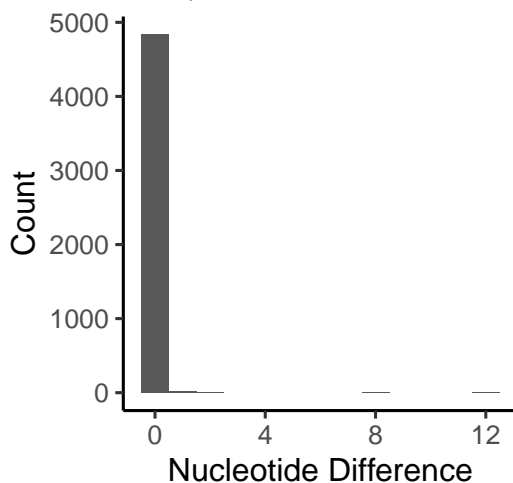
TRBV12–5*ap01

821 sequences assigned
820 (99.9%) exact matches, in which:
820 unique CDR3
13 unique J



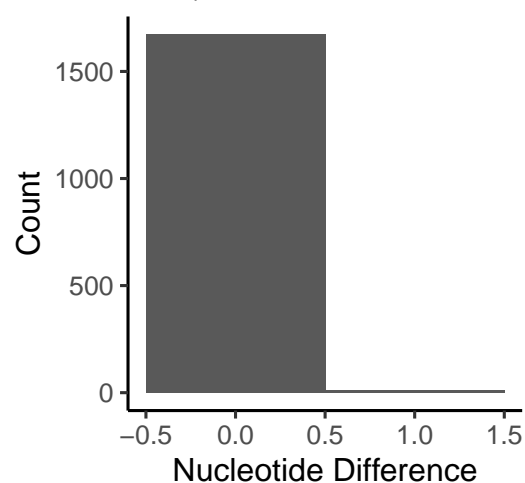
TRBV3–12*ap01

4861 sequences assigned
4837 (99.5%) exact matches, in which:
4825 unique CDR3
13 unique J



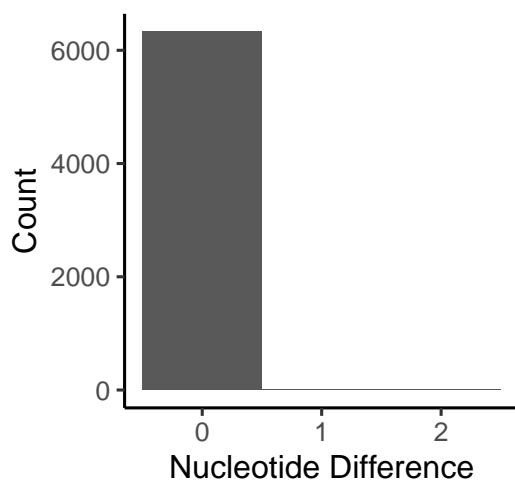
TRBV4–2*ap01

1685 sequences assigned
1673 (99.3%) exact matches, in which:
1671 unique CDR3
13 unique J



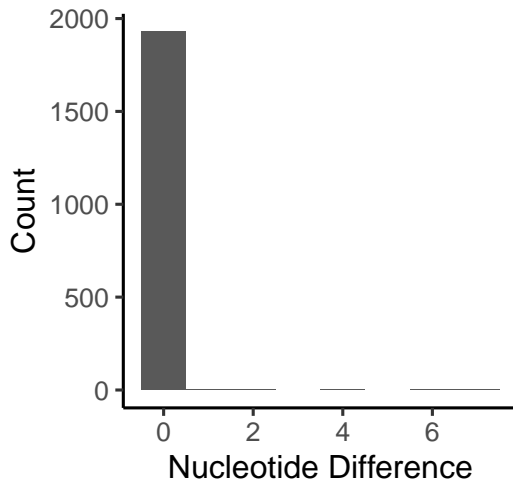
TRBV12–34*ap01

6346 sequences assigned
6328 (99.7%) exact matches, in which:
6325 unique CDR3
13 unique J



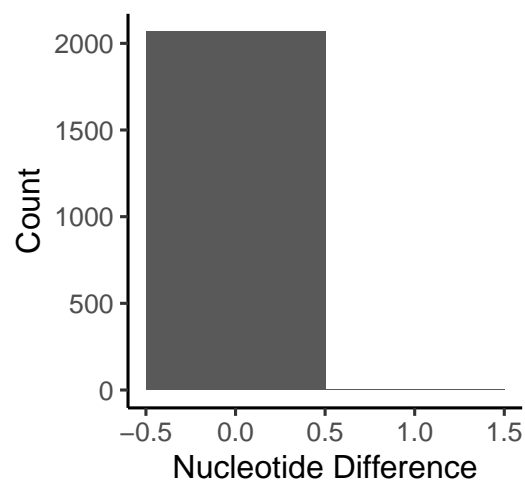
TRBV24–1*ap01

1939 sequences assigned
1929 (99.5%) exact matches, in which:
1924 unique CDR3
13 unique J



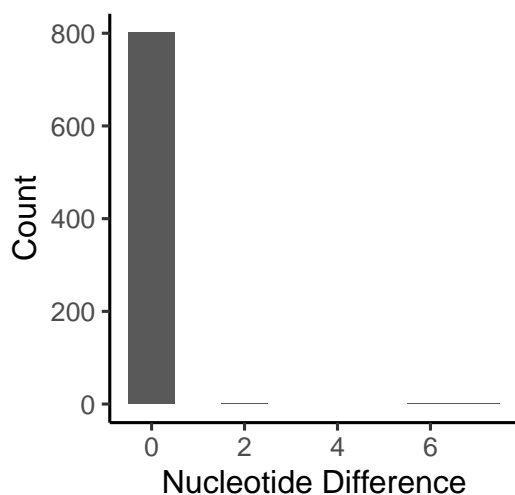
TRBV4–3*ap01

2071 sequences assigned
2067 (99.8%) exact matches, in which:
2062 unique CDR3
13 unique J



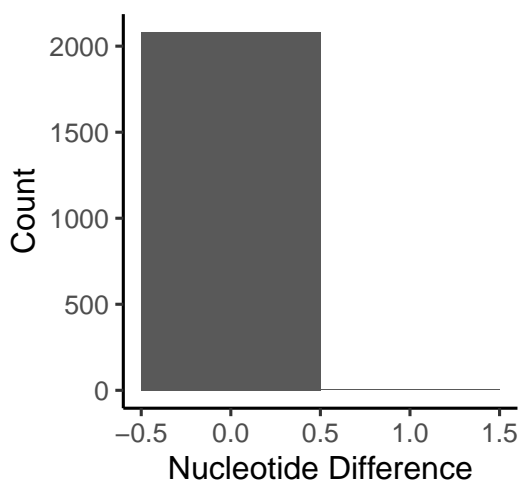
TRBV23–1*ap01

807 sequences assigned
802 (99.4%) exact matches, in which:
801 unique CDR3
13 unique J



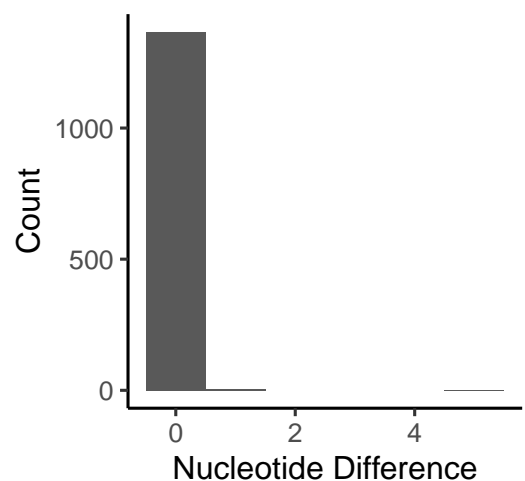
TRBV4–1*ap01

2086 sequences assigned
2082 (99.8%) exact matches, in which:
2070 unique CDR3
13 unique J



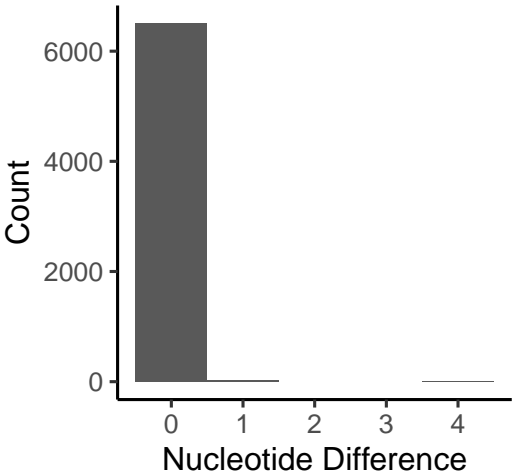
TRBV25–1*ap01

1373 sequences assigned
1366 (99.5%) exact matches, in which:
1363 unique CDR3
13 unique J



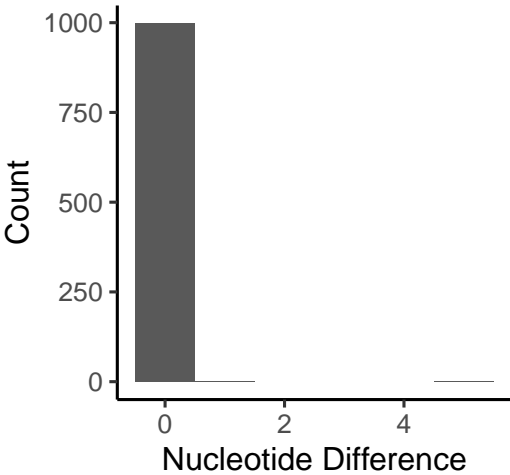
TRBV5-1*ap01

6524 sequences assigned
6504 (99.7%) exact matches, in which:
6469 unique CDR3
13 unique J



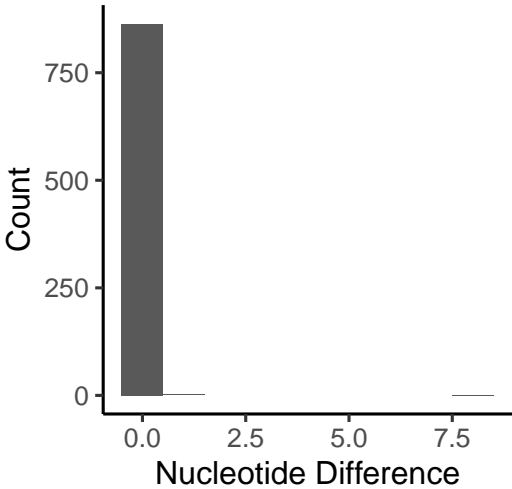
TRBV5-5*ap01

1001 sequences assigned
998 (99.7%) exact matches, in which:
998 unique CDR3
13 unique J



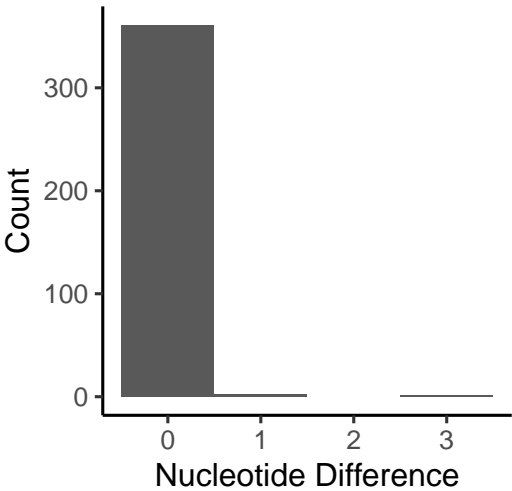
TRBV5-8*ap01

867 sequences assigned
864 (99.7%) exact matches, in which:
863 unique CDR3
13 unique J



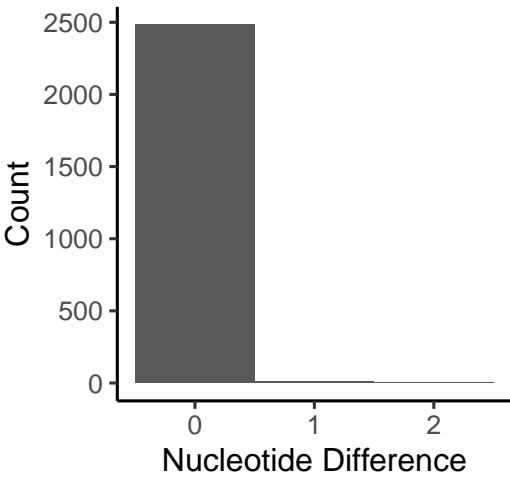
TRBV5-3*ap01

364 sequences assigned
361 (99.2%) exact matches, in which:
360 unique CDR3
13 unique J



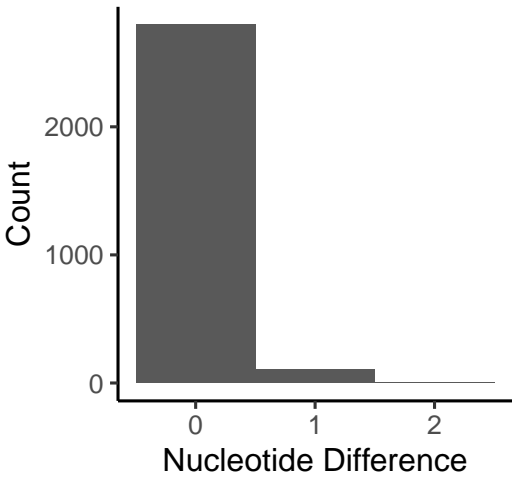
TRBV5-6*ap01

2496 sequences assigned
2483 (99.5%) exact matches, in which:
2472 unique CDR3
13 unique J



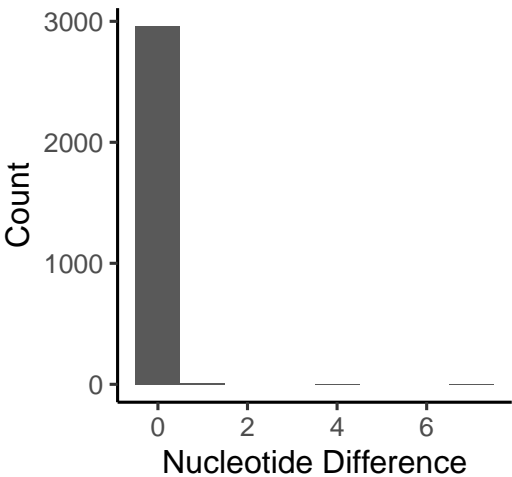
TRBV6-1*ap01

2900 sequences assigned
2797 (96.4%) exact matches, in which:
2795 unique CDR3
13 unique J



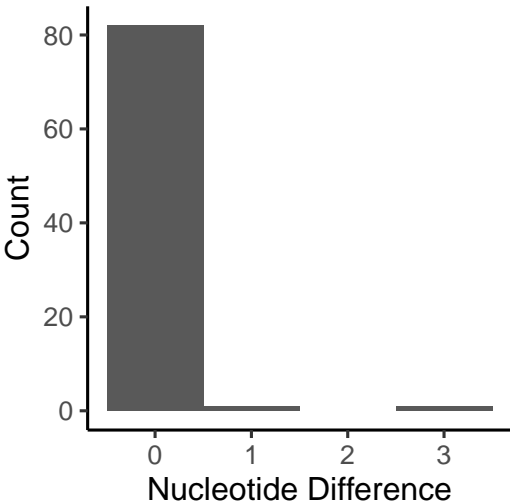
TRBV5-4*ap01

2974 sequences assigned
2961 (99.6%) exact matches, in which:
2955 unique CDR3
13 unique J



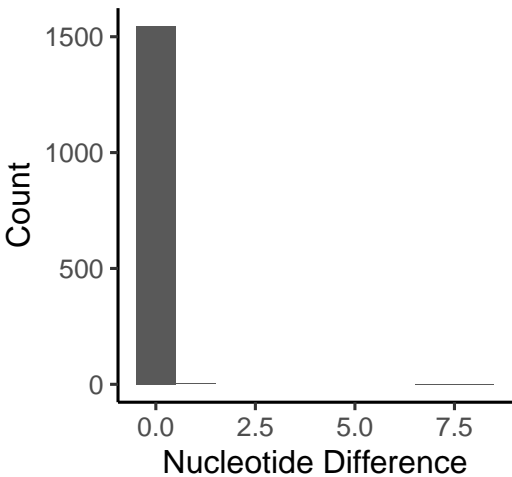
TRBV5-7*ap01

84 sequences assigned
82 (97.6%) exact matches, in which:
82 unique CDR3
11 unique J



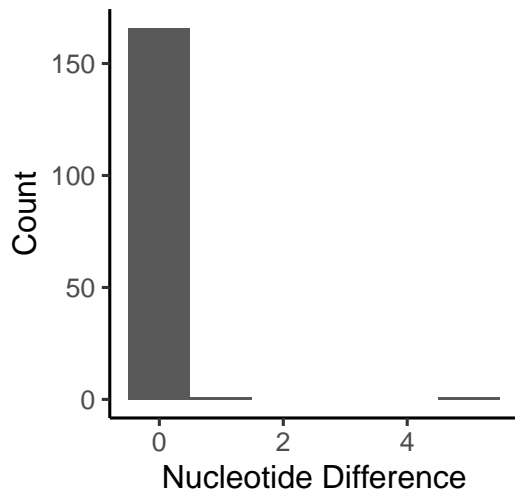
TRBV6-4*ap01

1552 sequences assigned
1546 (99.6%) exact matches, in which:
1546 unique CDR3
13 unique J



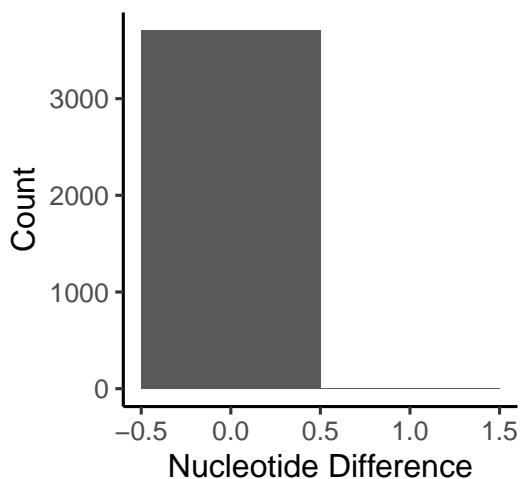
TRBV6-7*ap01

168 sequences assigned
166 (98.8%) exact matches, in which:
166 unique CDR3
12 unique J



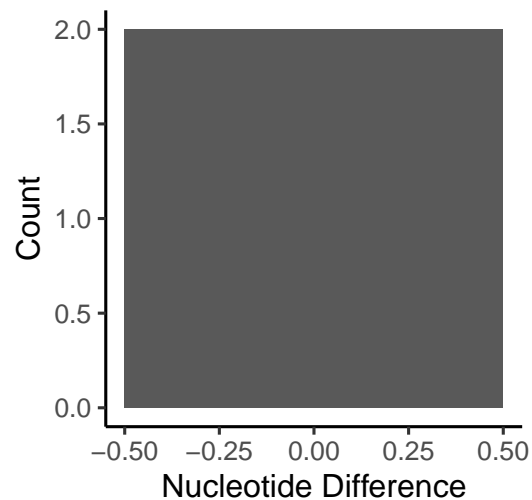
TRBV6-23*ap01

3711 sequences assigned
3706 (99.9%) exact matches, in which:
3691 unique CDR3
13 unique J



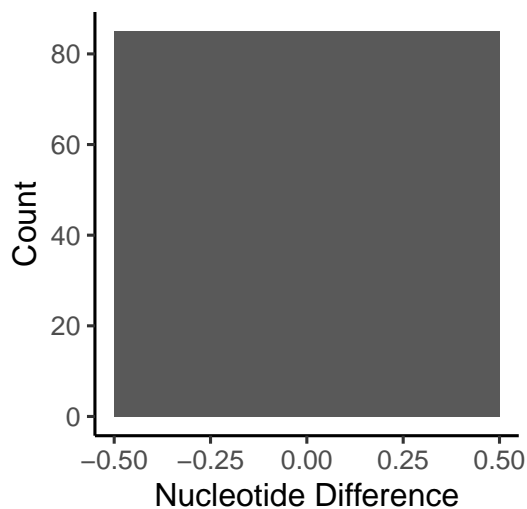
TRBV7-1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



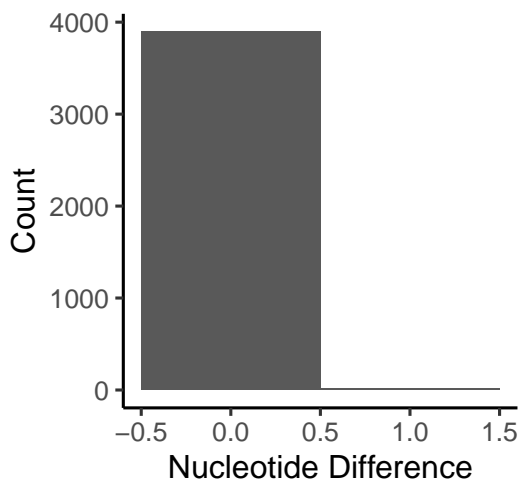
TRBV6-8*ap01

85 sequences assigned
85 (100%) exact matches, in which:
85 unique CDR3
12 unique J



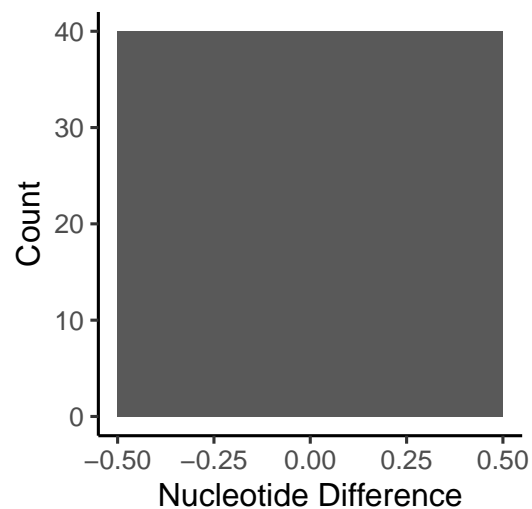
TRBV6-56*ap01

3907 sequences assigned
3896 (99.7%) exact matches, in which:
3880 unique CDR3
13 unique J



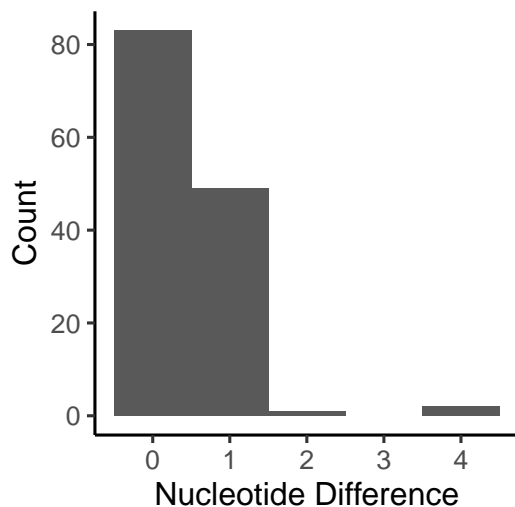
TRBV7-1*ap01_G291C_T

40 sequences assigned
40 (100%) exact matches, in which:
40 unique CDR3
12 unique J



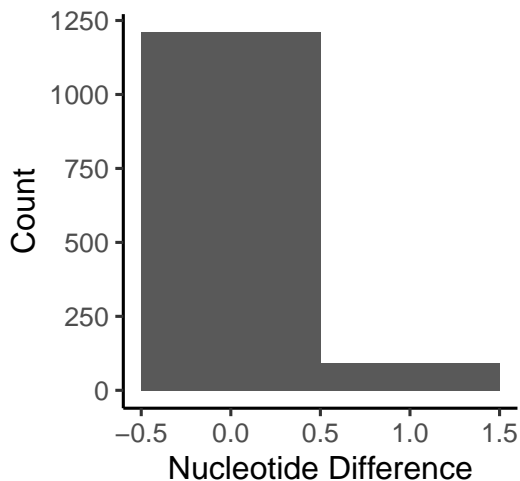
TRBV6-9*ap01

135 sequences assigned
83 (61.5%) exact matches, in which:
82 unique CDR3
13 unique J



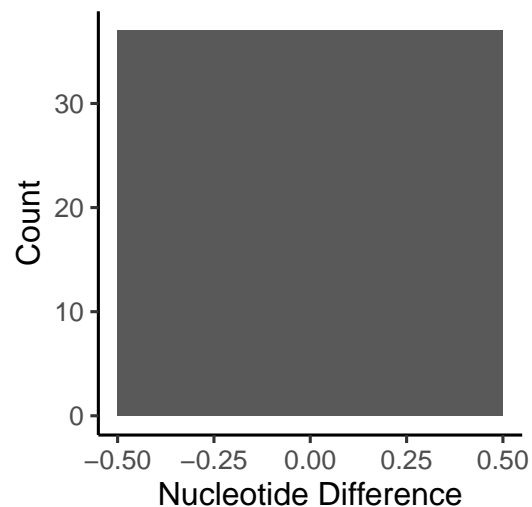
TRBV6-56*ap02

1303 sequences assigned
1211 (92.9%) exact matches, in which:
1205 unique CDR3
13 unique J



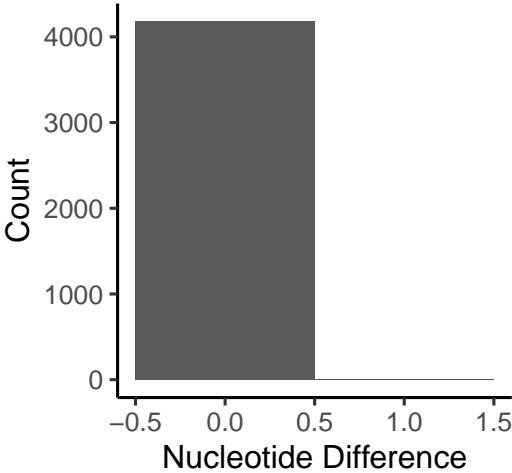
TRBV7-1*ap01_G291C_T

37 sequences assigned
37 (100%) exact matches, in which:
37 unique CDR3
12 unique J



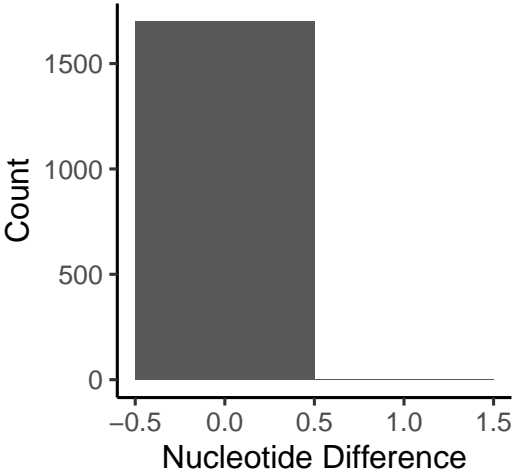
TRBV7-2*ap01

4189 sequences assigned
4180 (99.8%) exact matches, in which:
4173 unique CDR3
14 unique J



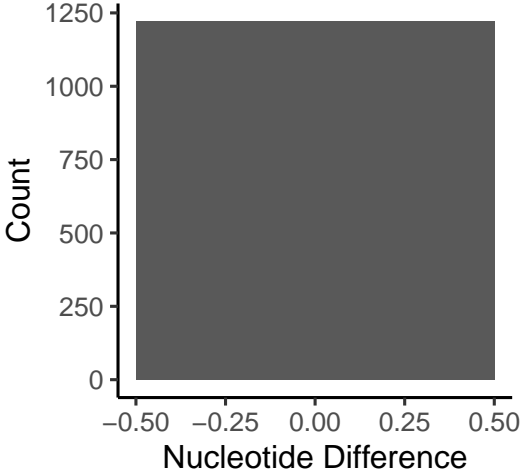
TRBV7-6*ap01

1703 sequences assigned
1700 (99.8%) exact matches, in which:
1697 unique CDR3
13 unique J



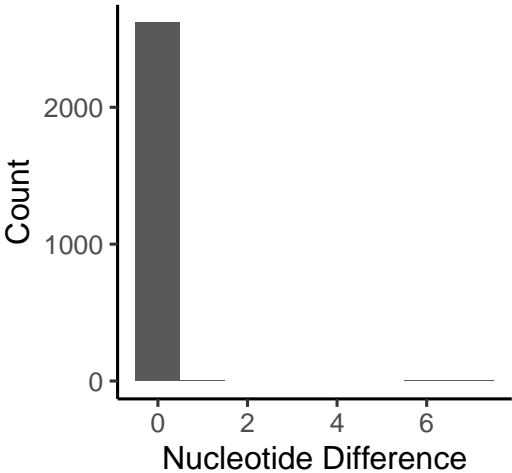
TRBV7-8*ap01

1221 sequences assigned
1221 (100%) exact matches, in which:
1220 unique CDR3
13 unique J



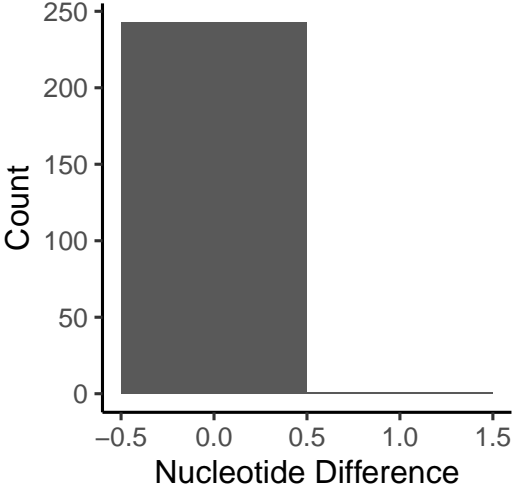
TRBV7-3*ap01

2627 sequences assigned
2618 (99.7%) exact matches, in which:
2615 unique CDR3
13 unique J



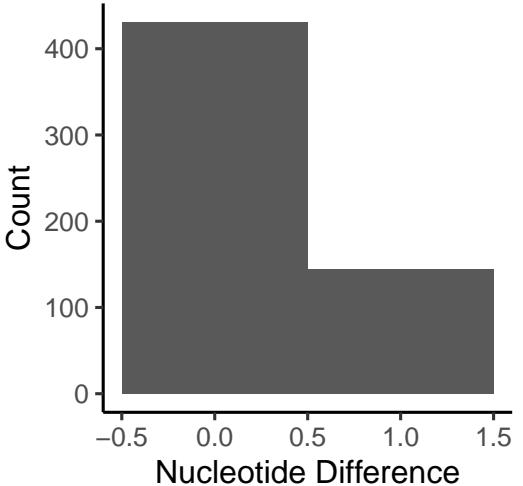
TRBV7-7*ap01

244 sequences assigned
243 (99.6%) exact matches, in which:
242 unique CDR3
12 unique J



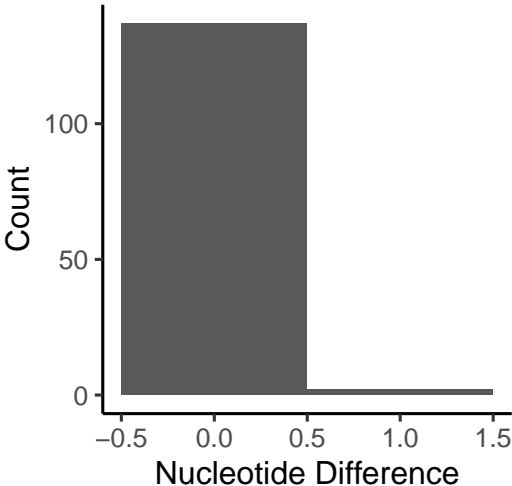
TRBV7-8*ap03

575 sequences assigned
431 (75%) exact matches, in which:
431 unique CDR3
13 unique J



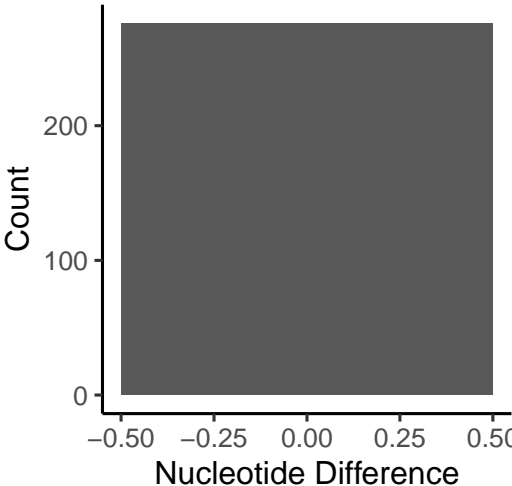
TRBV7-4*ap01

139 sequences assigned
137 (98.6%) exact matches, in which:
137 unique CDR3
12 unique J



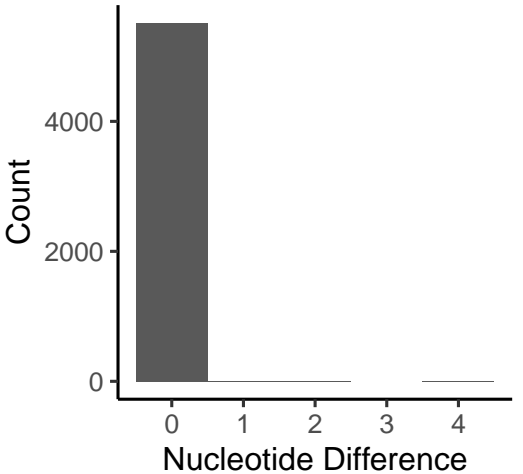
TRBV7-7*ap01_C315T

276 sequences assigned
276 (100%) exact matches, in which:
275 unique CDR3
13 unique J



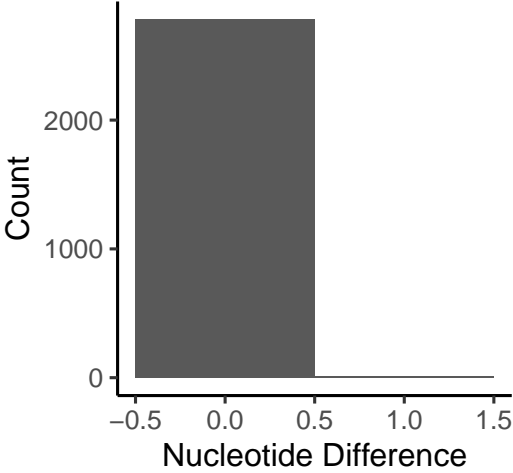
TRBV7-9*ap01

5522 sequences assigned
5513 (99.8%) exact matches, in which:
5507 unique CDR3
13 unique J



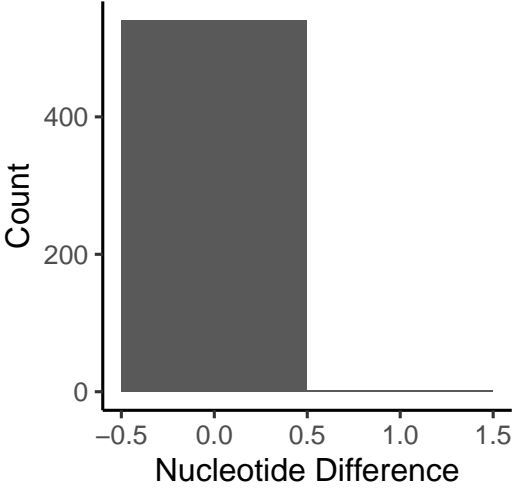
TRBV29-1*ap01

2790 sequences assigned
2782 (99.7%) exact matches, in which:
2778 unique CDR3
13 unique J

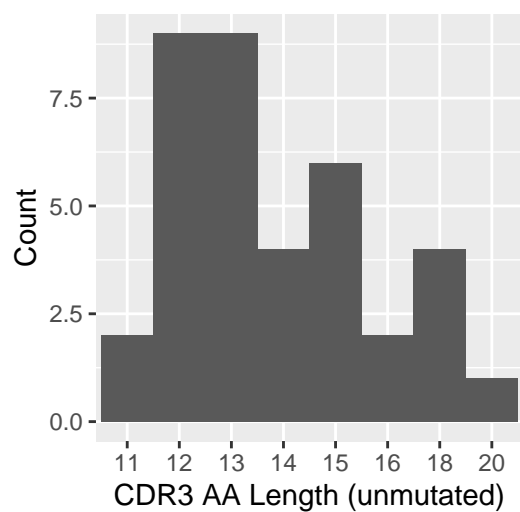


TRBV29-1*ap02

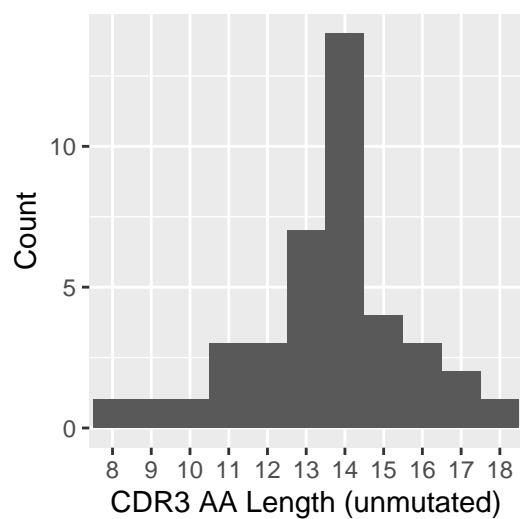
543 sequences assigned
541 (99.6%) exact matches, in which:
540 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

