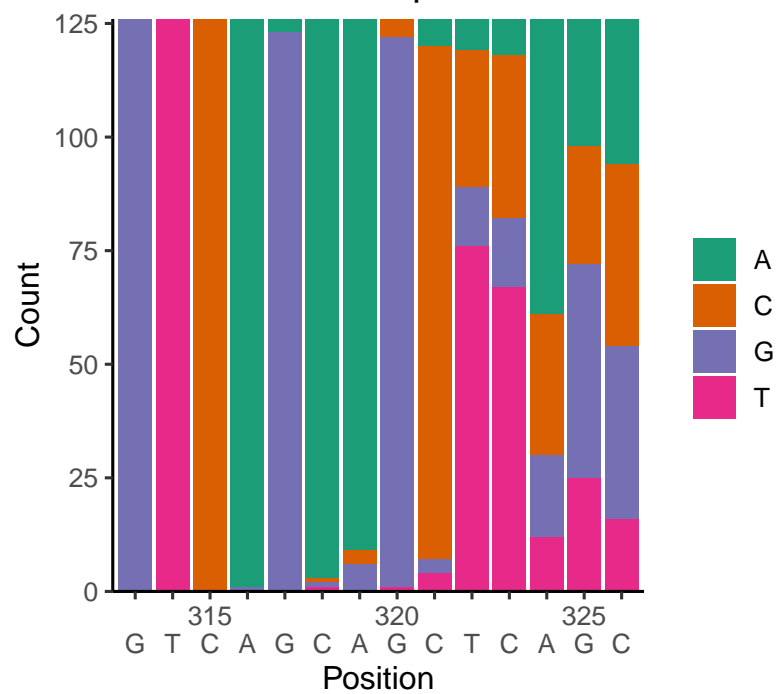
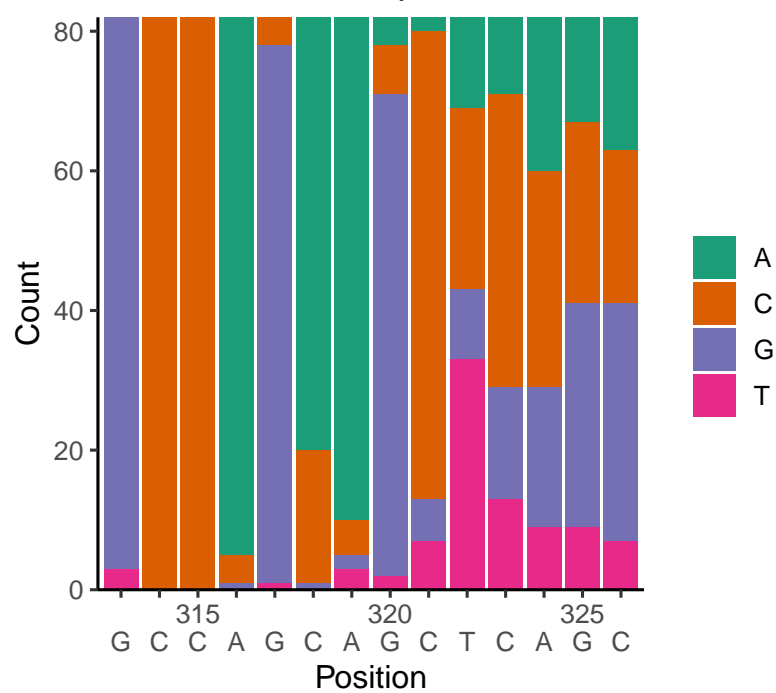


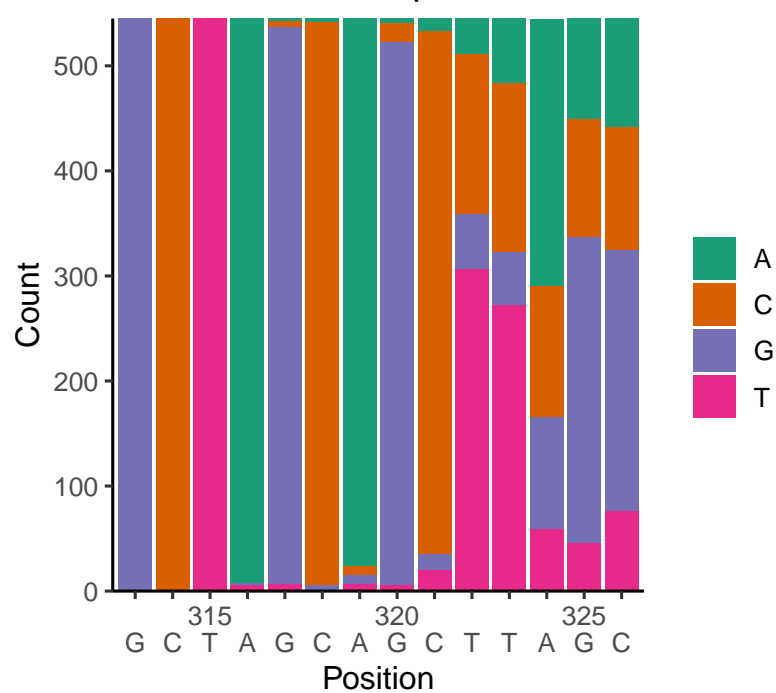
Gene TRBV7-1*ap01_T296C_C314T



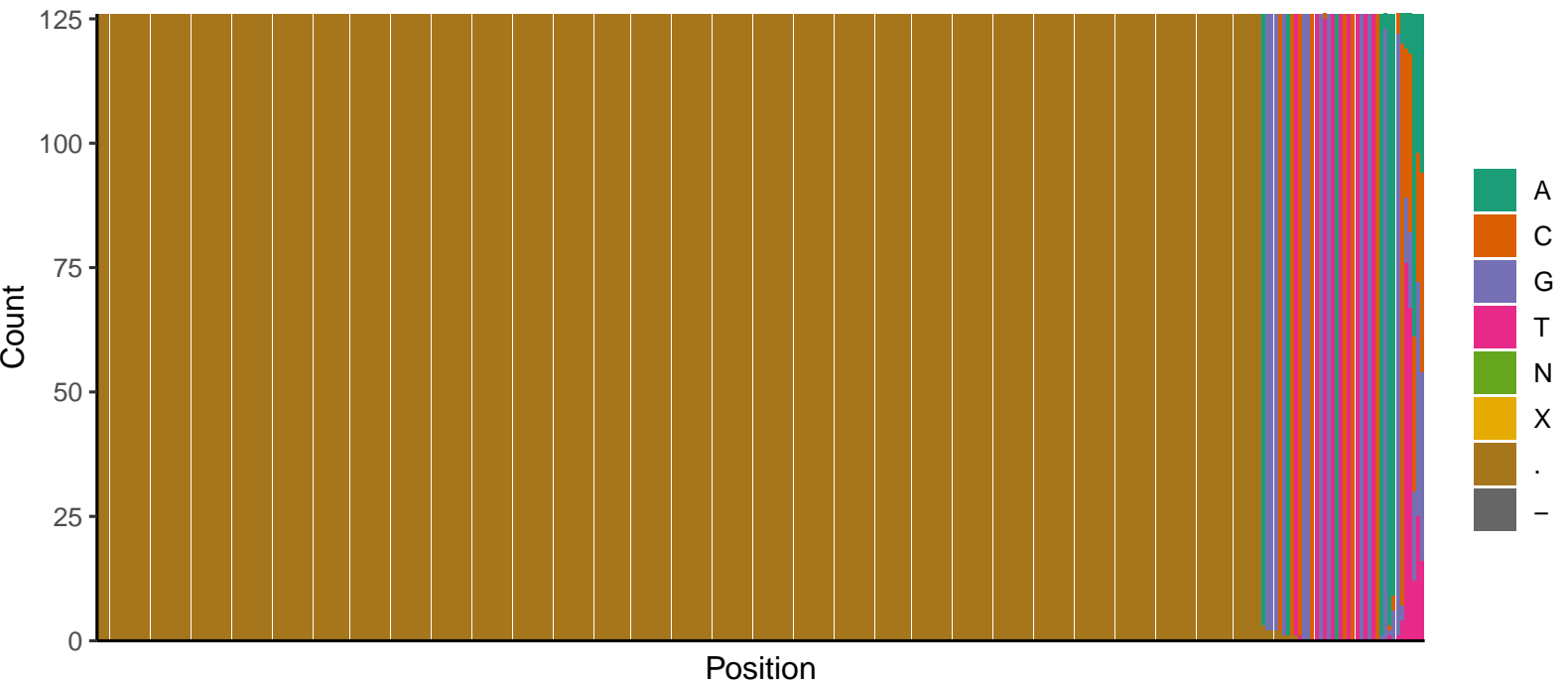
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



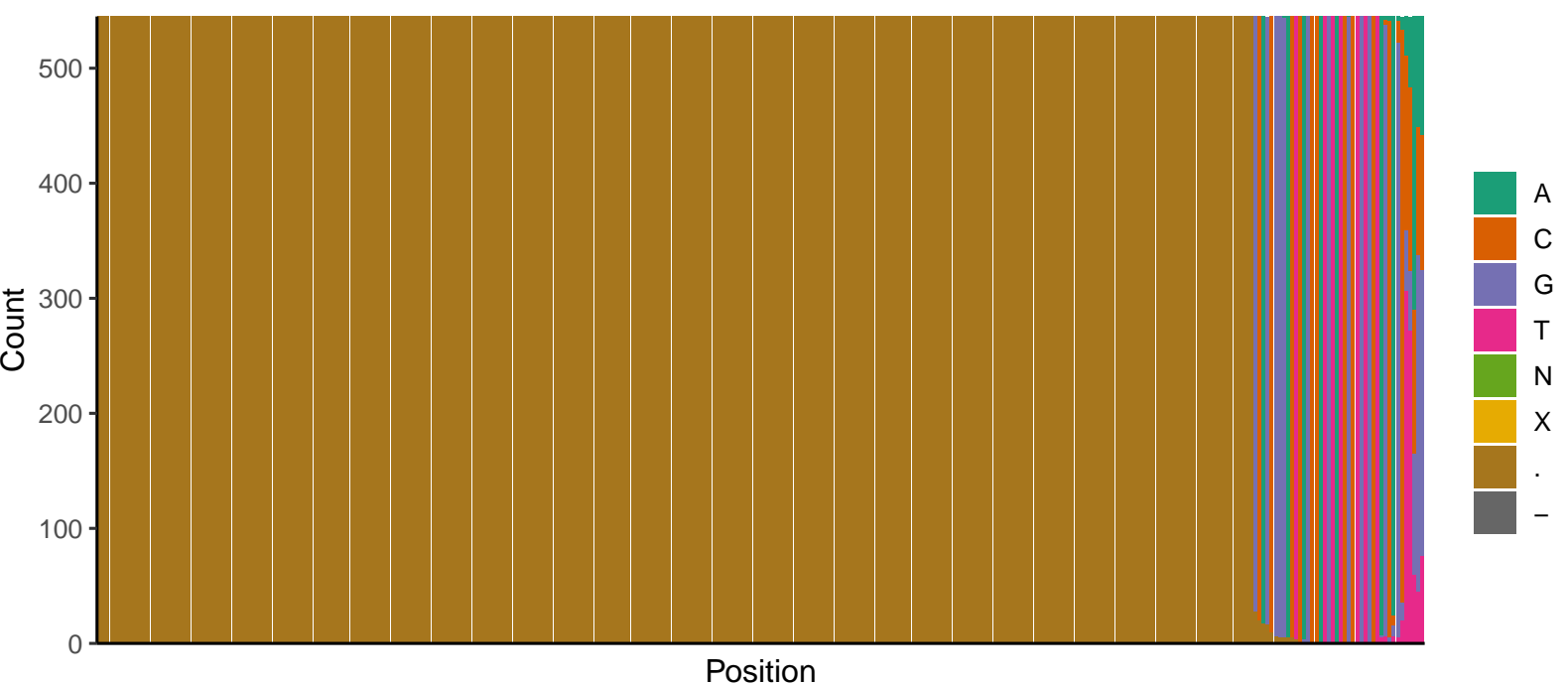
Gene TRBV7-1*ap01_T296C_C314T



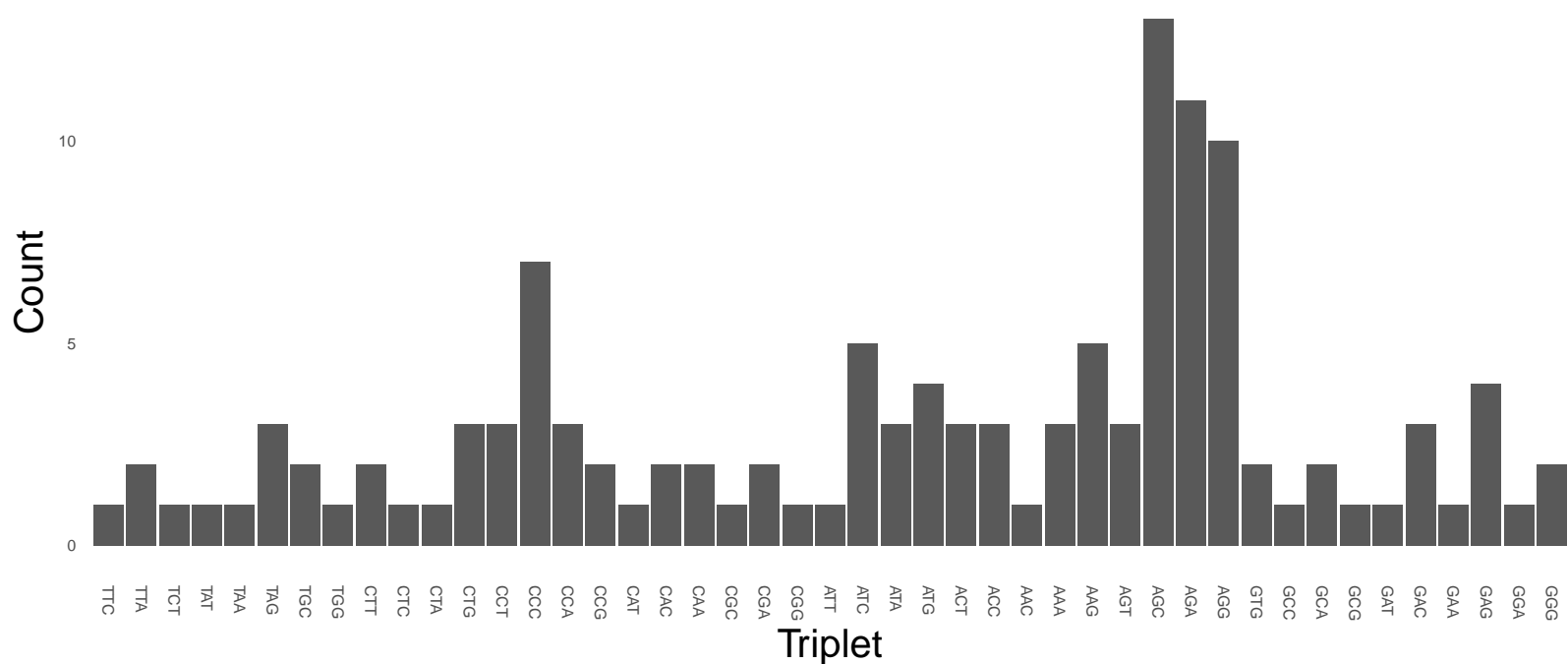
Gene TRBV7-1*ap01_T296C



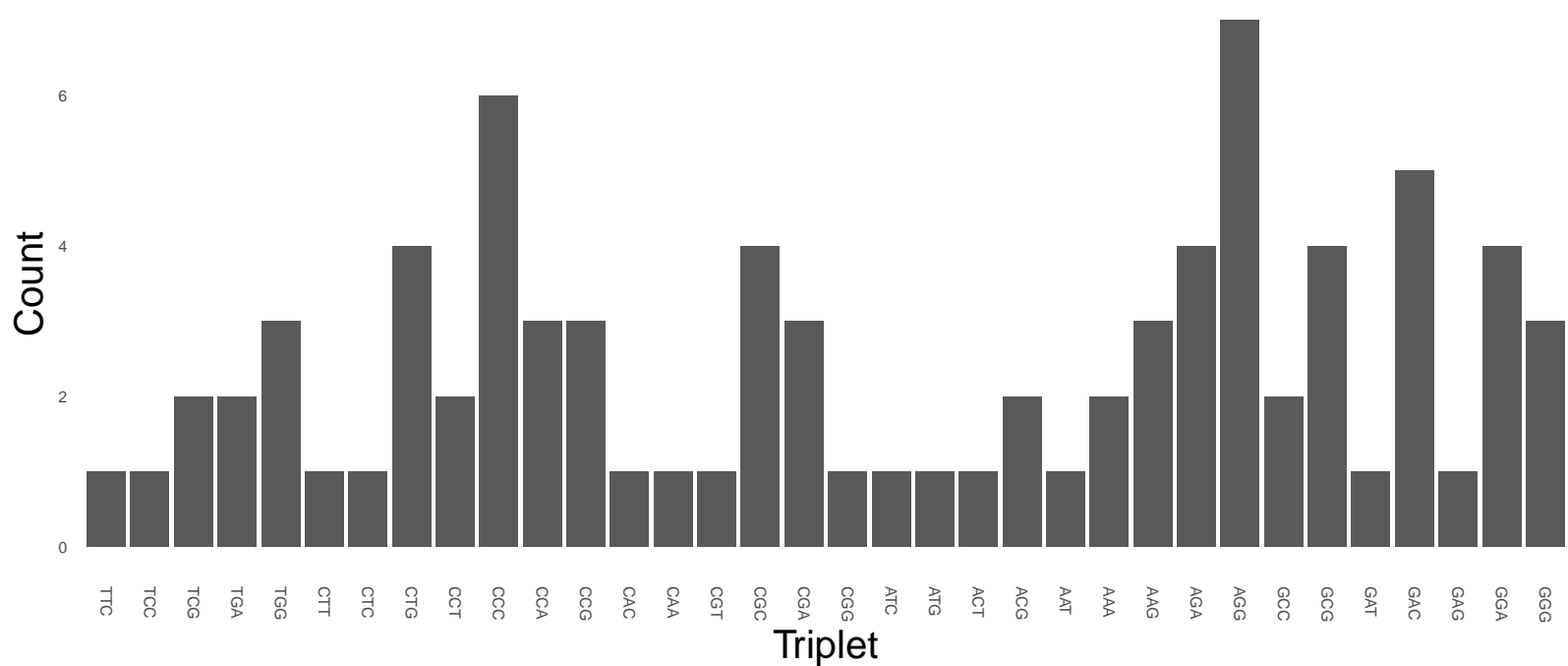
Gene TRBV7-7*ap01_C315T



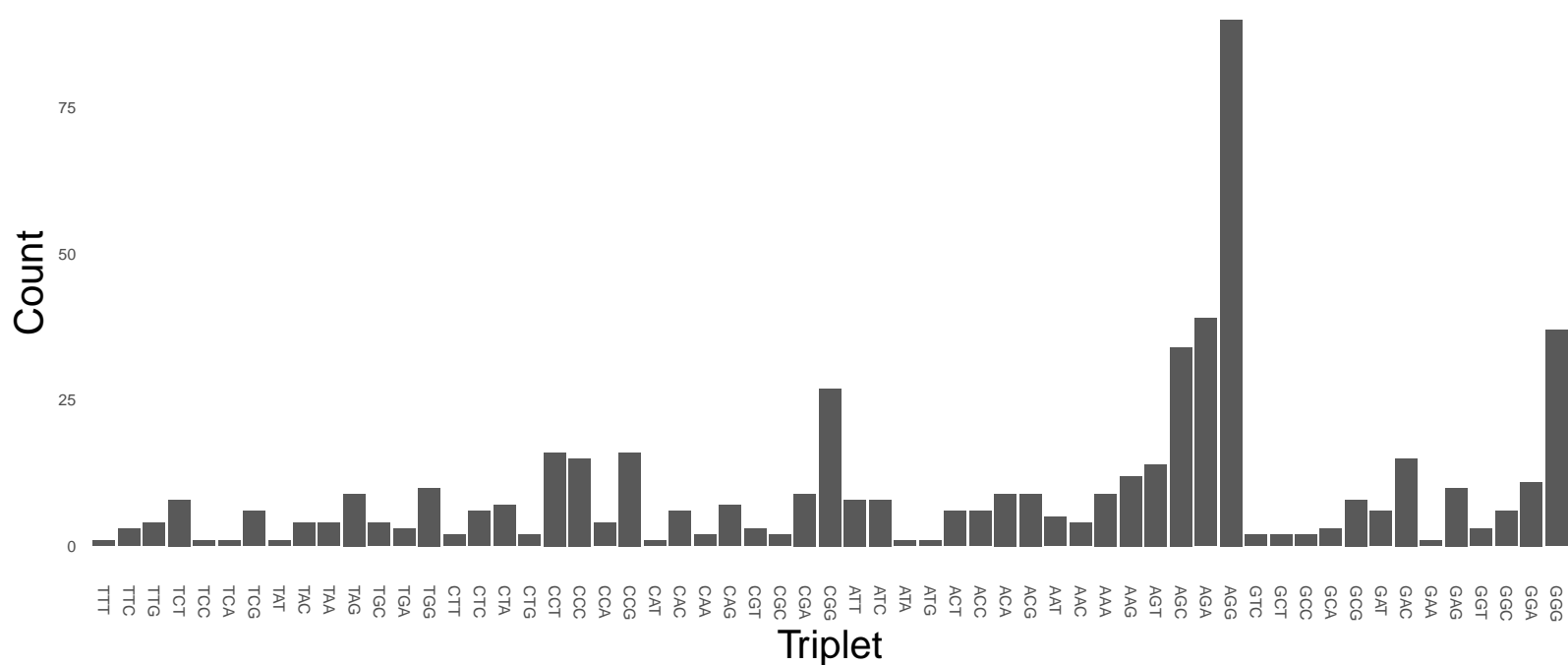
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

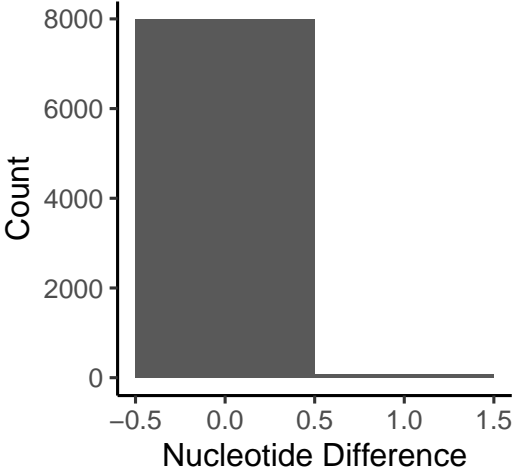


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



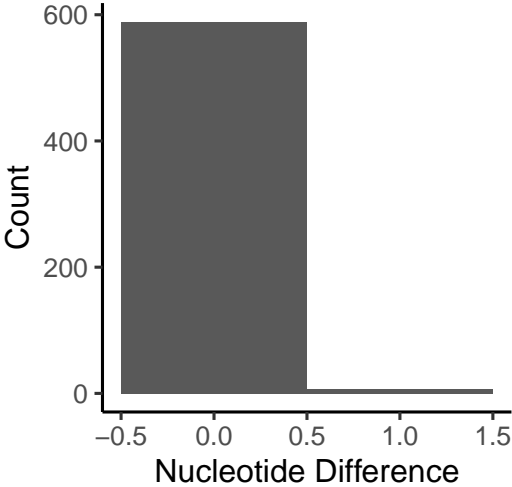
TRBV20-1*ap01

8062 sequences assigned
7988 (99.1%) exact matches, in which:
7861 unique CDR3
13 unique J



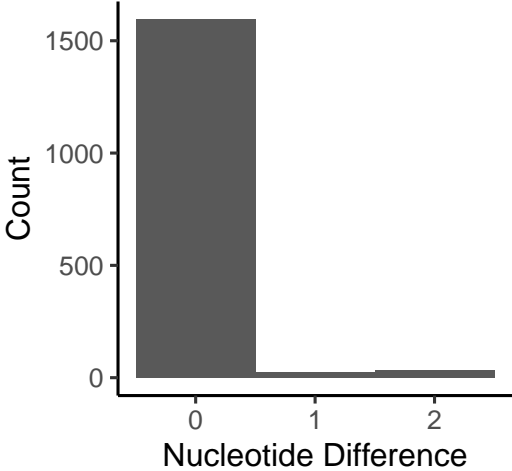
TRBV10-2*ap01

596 sequences assigned
589 (98.8%) exact matches, in which:
575 unique CDR3
13 unique J



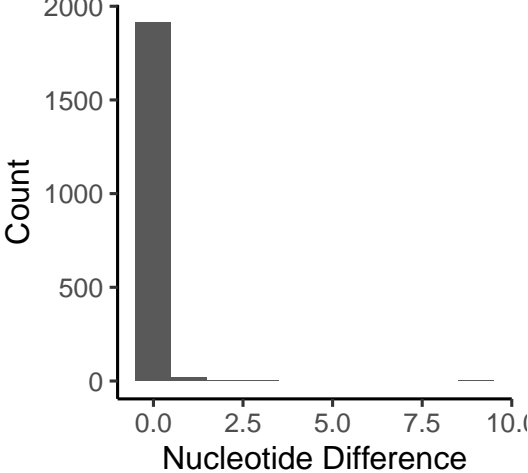
TRBV13*ap01

1652 sequences assigned
1595 (96.5%) exact matches, in which:
1560 unique CDR3
13 unique J



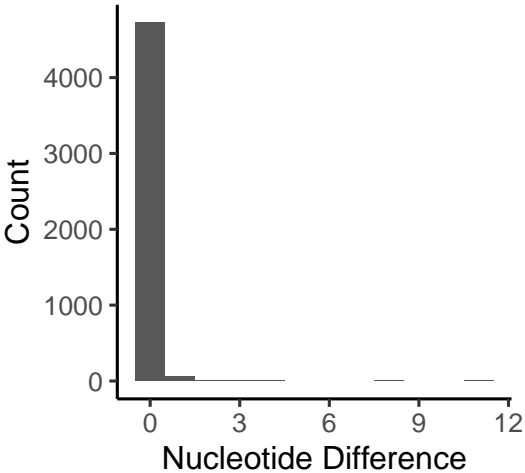
TRBV10-1*ap01

1937 sequences assigned
1912 (98.7%) exact matches, in which:
1873 unique CDR3
13 unique J



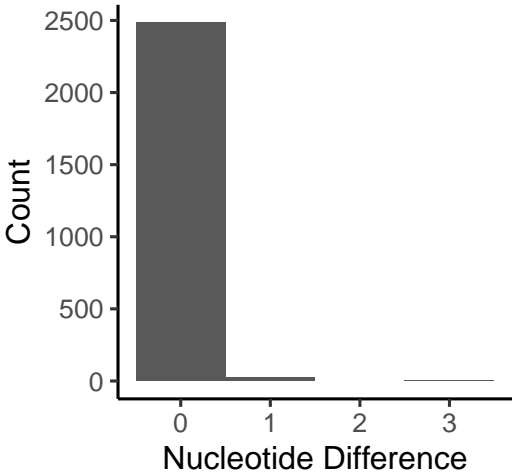
TRBV10-3*ap01

4784 sequences assigned
4723 (98.7%) exact matches, in which:
4628 unique CDR3
13 unique J



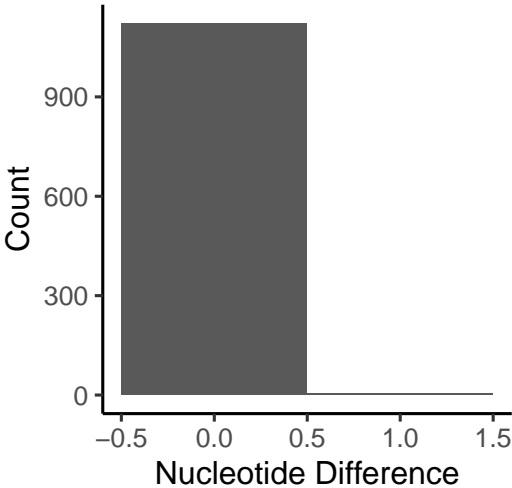
TRBV14*ap01

2509 sequences assigned
2484 (99%) exact matches, in which:
2447 unique CDR3
13 unique J



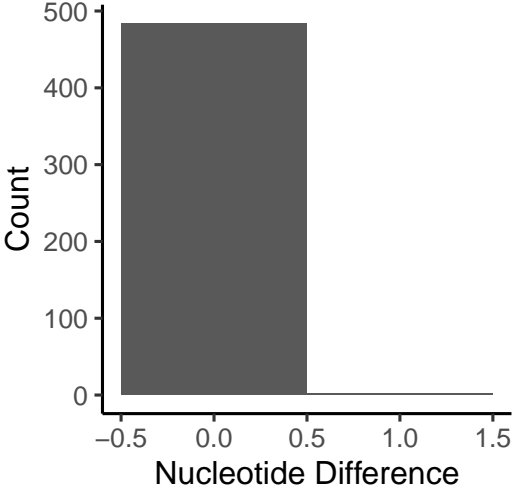
TRBV20-1*ap02

1128 sequences assigned
1122 (99.5%) exact matches, in which:
1107 unique CDR3
13 unique J



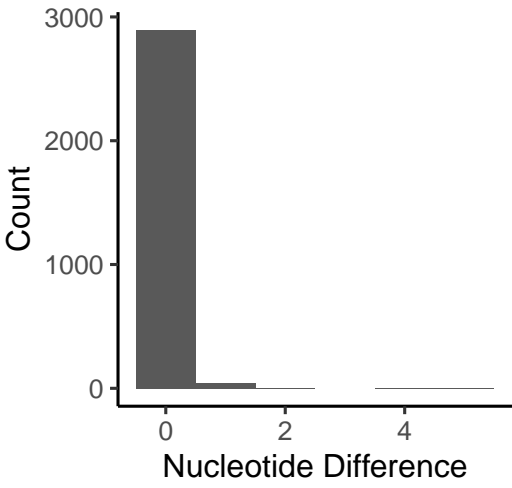
TRBV1*ap01

486 sequences assigned
484 (99.6%) exact matches, in which:
475 unique CDR3
14 unique J



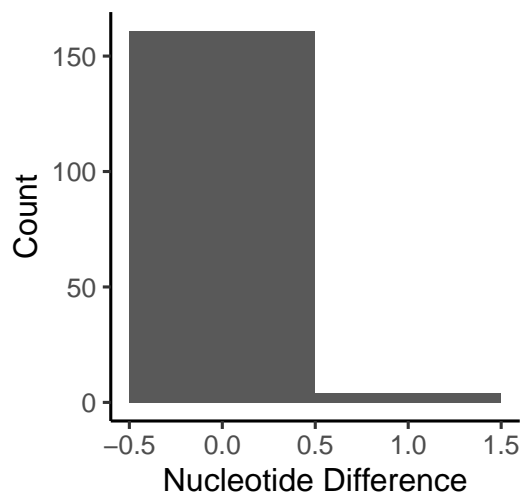
TRBV15*ap02

2941 sequences assigned
2894 (98.4%) exact matches, in which:
2846 unique CDR3
13 unique J



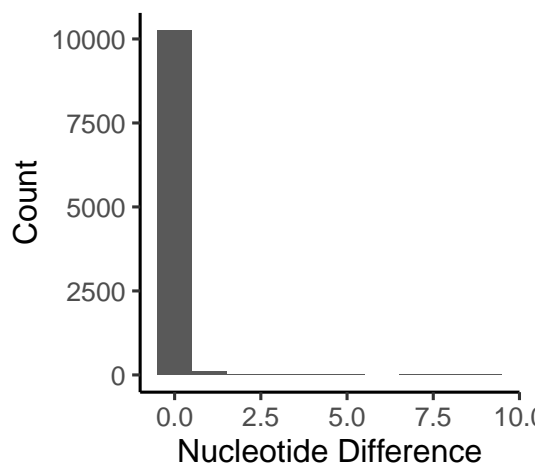
TRBV16*ap01

165 sequences assigned
161 (97.6%) exact matches, in which:
159 unique CDR3
13 unique J



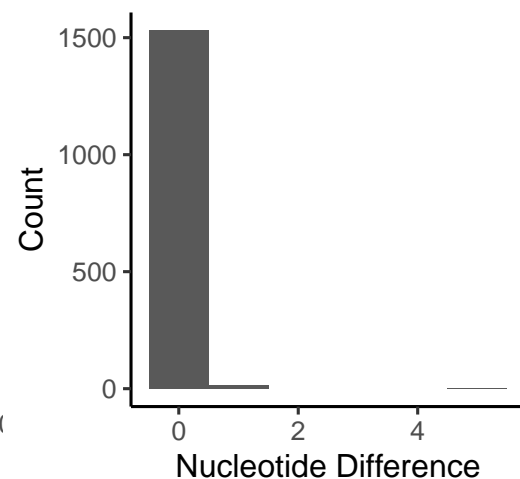
TRBV19*ap01

10387 sequences assigned
10262 (98.8%) exact matches, in which:
10159 unique CDR3
13 unique J



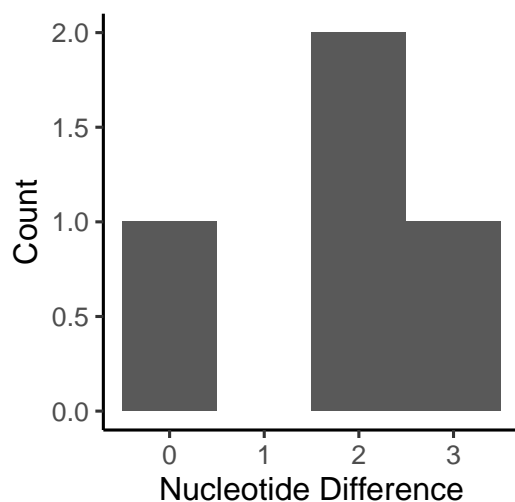
TRBV28*ap01

1547 sequences assigned
1531 (99%) exact matches, in which:
1498 unique CDR3
13 unique J



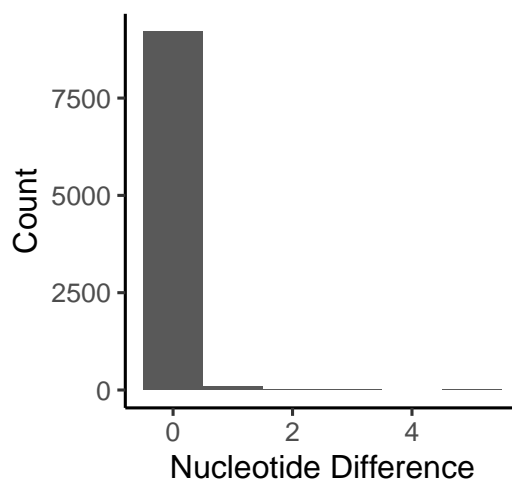
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



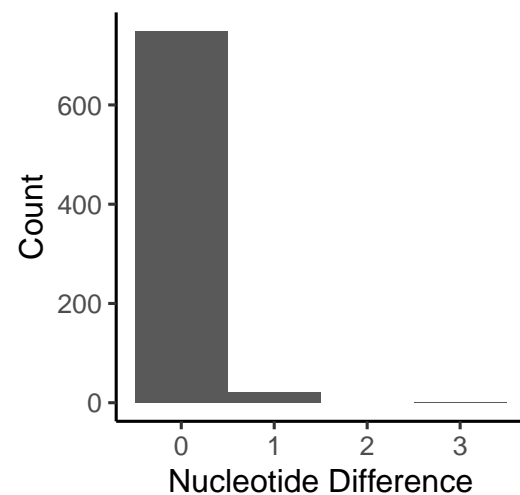
TRBV2*ap01

9313 sequences assigned
9205 (98.8%) exact matches, in which:
9054 unique CDR3
13 unique J



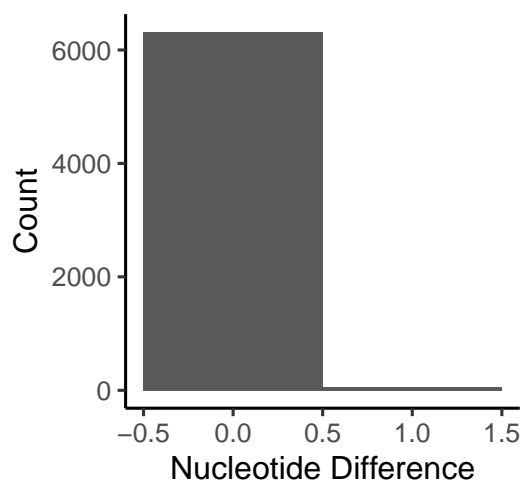
TRBV30*ap02

773 sequences assigned
749 (96.9%) exact matches, in which:
740 unique CDR3
13 unique J



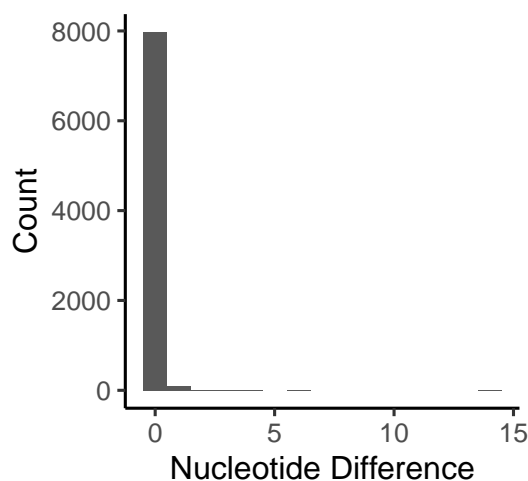
TRBV18*ap01

6373 sequences assigned
6316 (99.1%) exact matches, in which:
6242 unique CDR3
13 unique J



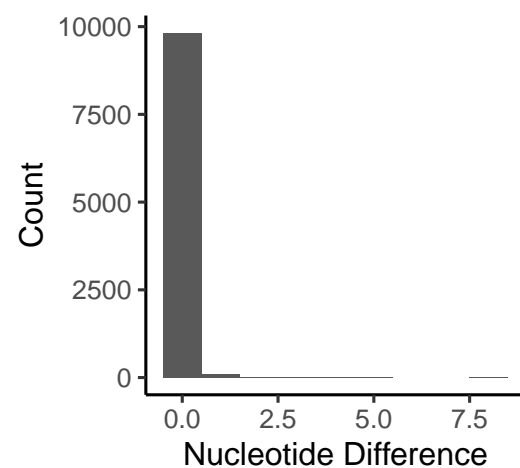
TRBV27*ap01

8078 sequences assigned
7975 (98.7%) exact matches, in which:
7816 unique CDR3
13 unique J



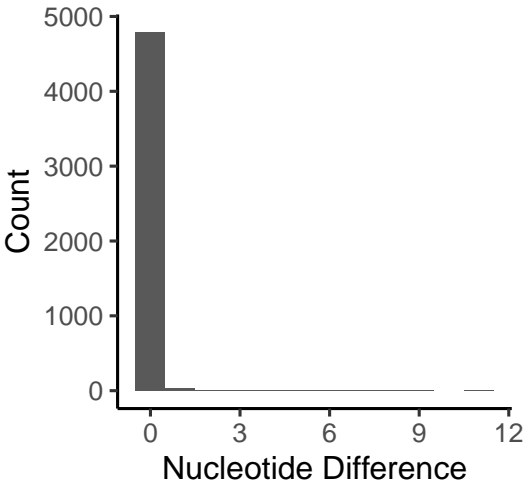
TRBV9*ap01

9941 sequences assigned
9825 (98.8%) exact matches, in which:
9663 unique CDR3
13 unique J



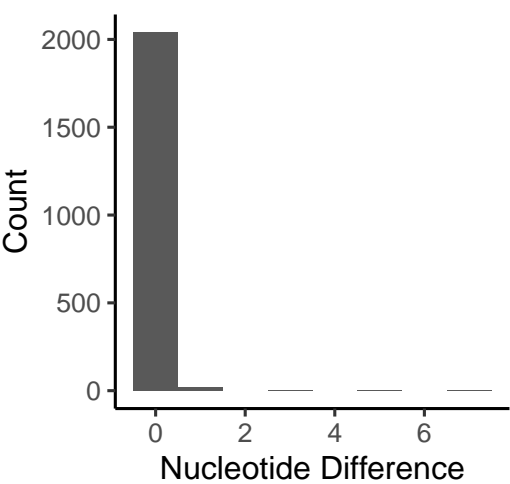
TRBV21-1*ap01

4855 sequences assigned
4787 (98.6%) exact matches, in which:
4710 unique CDR3
13 unique J



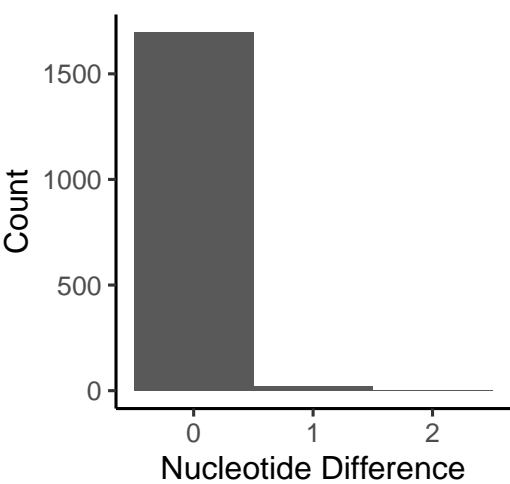
TRBV11-3*ap01

2063 sequences assigned
2040 (98.9%) exact matches, in which:
2008 unique CDR3
13 unique J



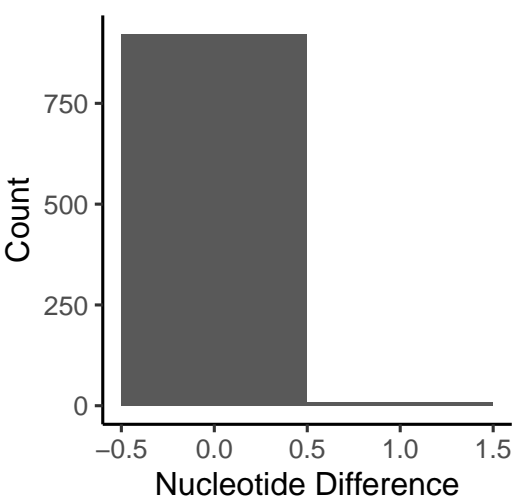
TRBV12-5*ap01

1718 sequences assigned
1696 (98.7%) exact matches, in which:
1667 unique CDR3
13 unique J



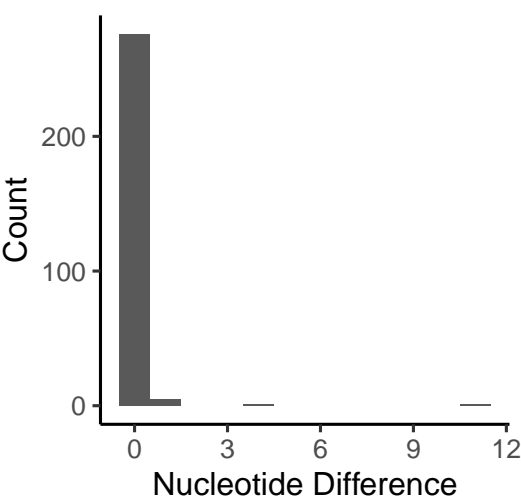
TRBV11-1*ap01

930 sequences assigned
922 (99.1%) exact matches, in which:
912 unique CDR3
13 unique J



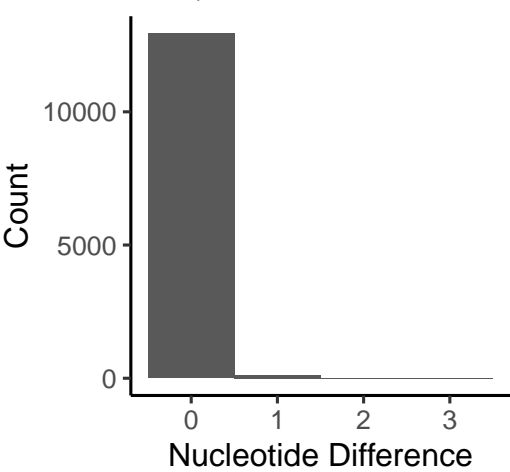
TRBV12-1*ap01

283 sequences assigned
276 (97.5%) exact matches, in which:
270 unique CDR3
13 unique J



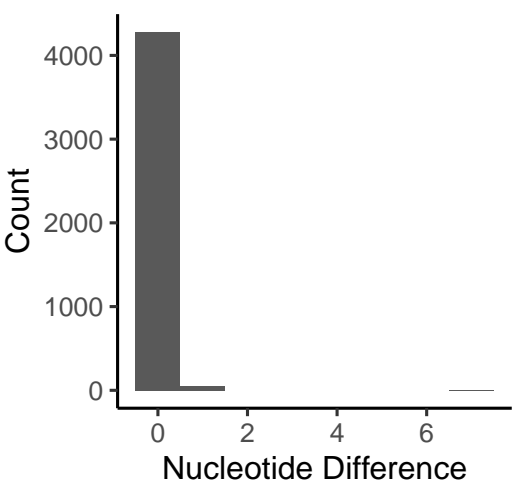
TRBV12-34*ap01

13076 sequences assigned
12941 (99%) exact matches, in which:
12713 unique CDR3
13 unique J



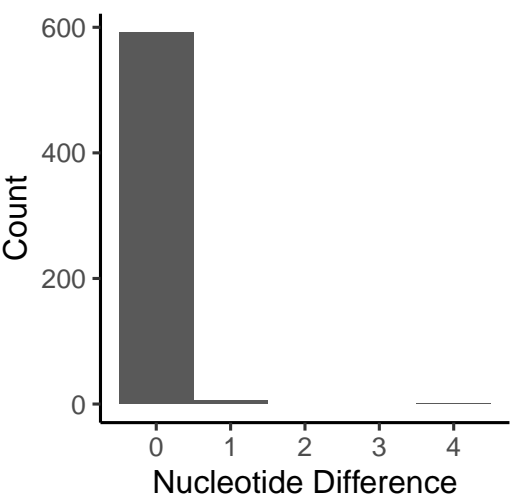
TRBV11-2*ap01

4335 sequences assigned
4279 (98.7%) exact matches, in which:
4203 unique CDR3
13 unique J



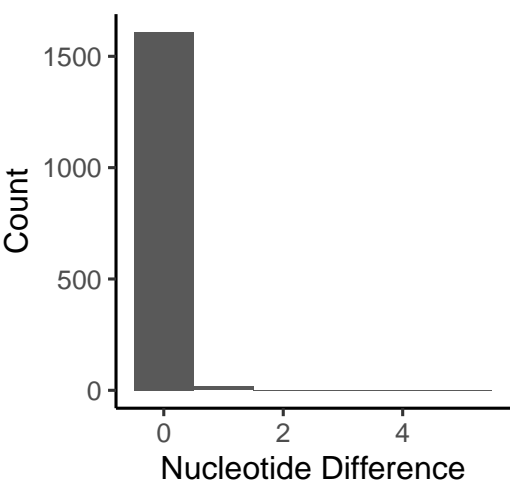
TRBV12-2*ap01

599 sequences assigned
592 (98.8%) exact matches, in which:
577 unique CDR3
13 unique J



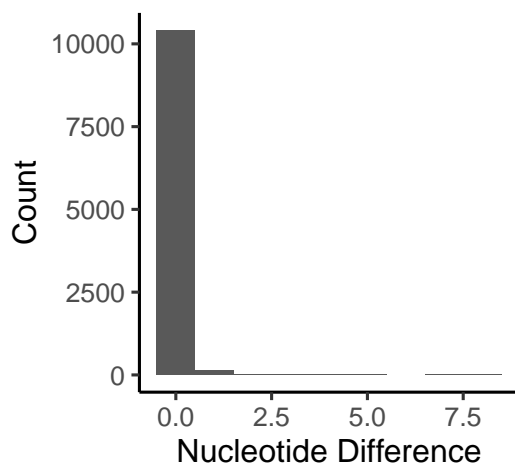
TRBV23-1*ap01

1632 sequences assigned
1609 (98.6%) exact matches, in which:
1580 unique CDR3
13 unique J



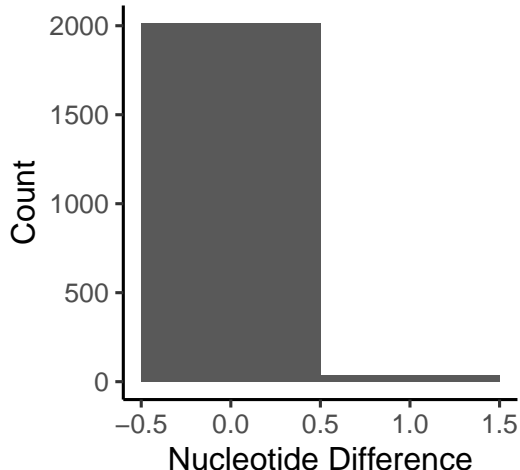
TRBV3–12*ap01

10553 sequences assigned
10414 (98.7%) exact matches, in which:
10260 unique CDR3
13 unique J



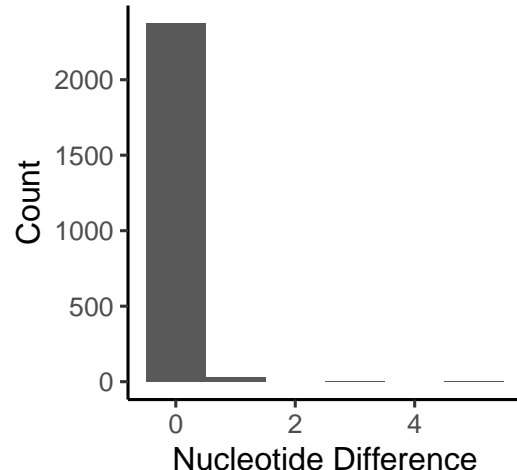
TRBV4–2*ap01

2048 sequences assigned
2013 (98.3%) exact matches, in which:
1991 unique CDR3
13 unique J



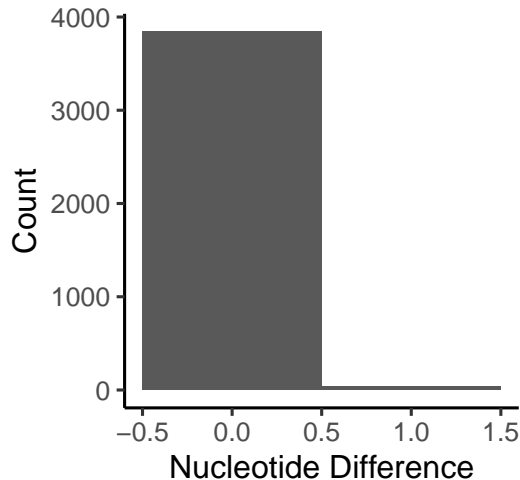
TRBV25–1*ap01

2405 sequences assigned
2373 (98.7%) exact matches, in which:
2327 unique CDR3
13 unique J



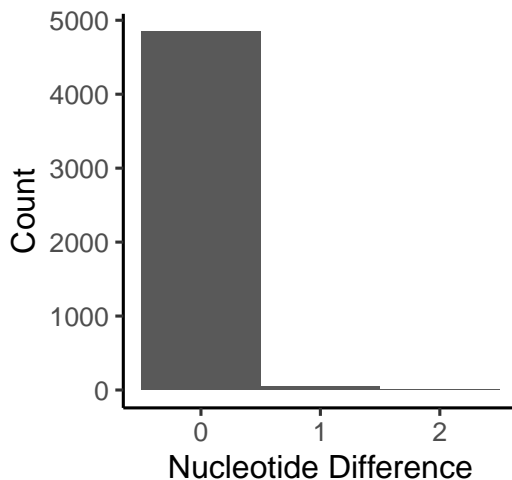
TRBV4–1*ap01

3876 sequences assigned
3842 (99.1%) exact matches, in which:
3782 unique CDR3
13 unique J



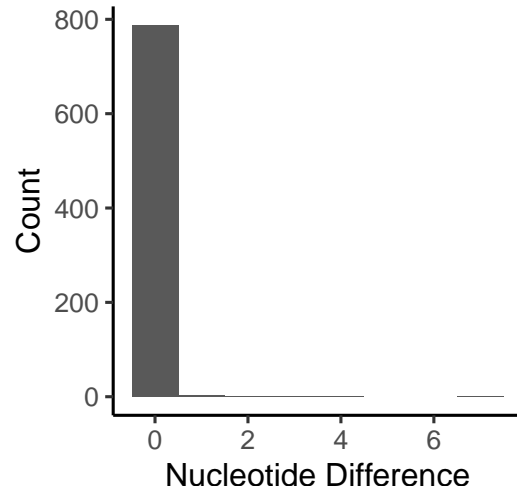
TRBV4–3*ap01

4888 sequences assigned
4845 (99.1%) exact matches, in which:
4739 unique CDR3
13 unique J



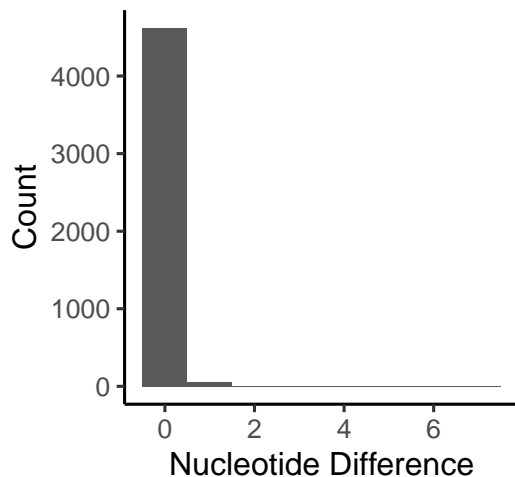
TRBV5–3*ap01

797 sequences assigned
788 (98.9%) exact matches, in which:
778 unique CDR3
13 unique J



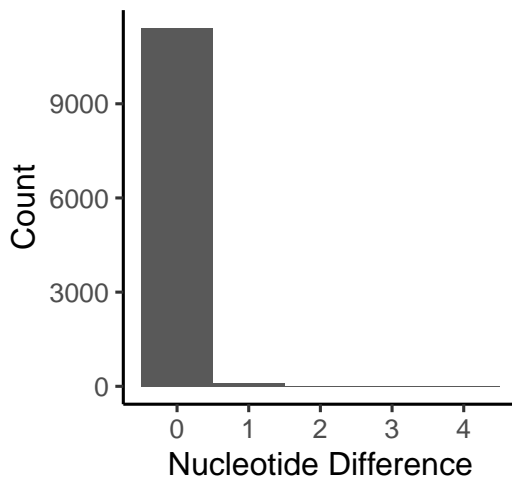
TRBV24–1*ap01

4682 sequences assigned
4619 (98.7%) exact matches, in which:
4552 unique CDR3
13 unique J



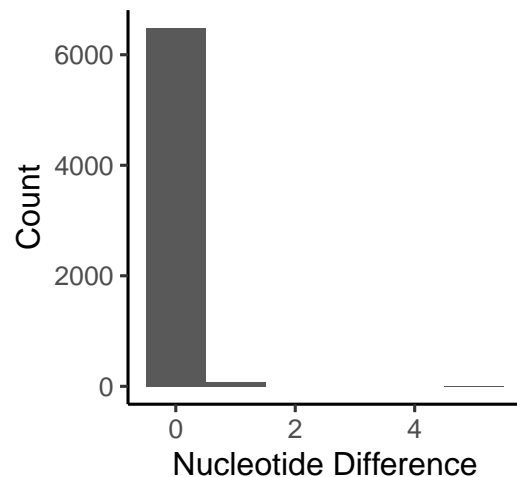
TRBV5–1*ap01

11530 sequences assigned
11412 (99%) exact matches, in which:
11162 unique CDR3
13 unique J



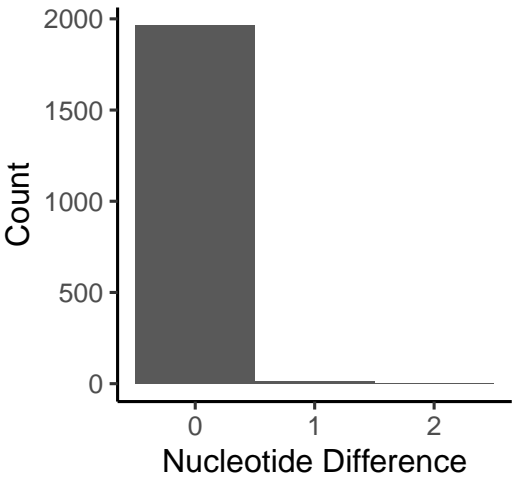
TRBV5–4*ap01

6563 sequences assigned
6483 (98.8%) exact matches, in which:
6364 unique CDR3
13 unique J



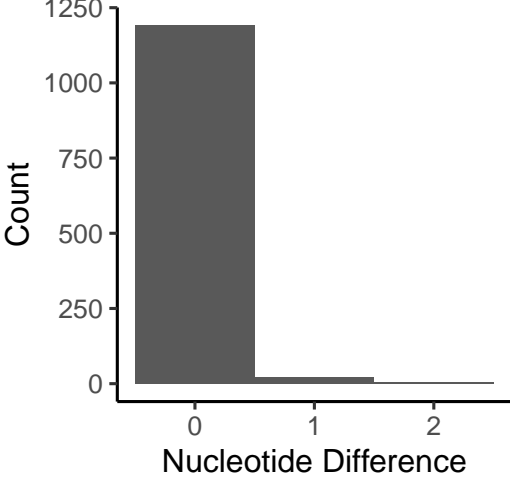
TRBV5-5*ap01

1980 sequences assigned
1964 (99.2%) exact matches, in which:
1937 unique CDR3
13 unique J



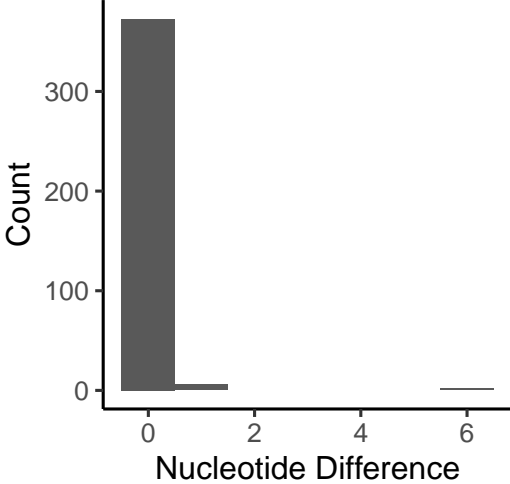
TRBV5-8*ap01

1219 sequences assigned
1191 (97.7%) exact matches, in which:
1175 unique CDR3
13 unique J



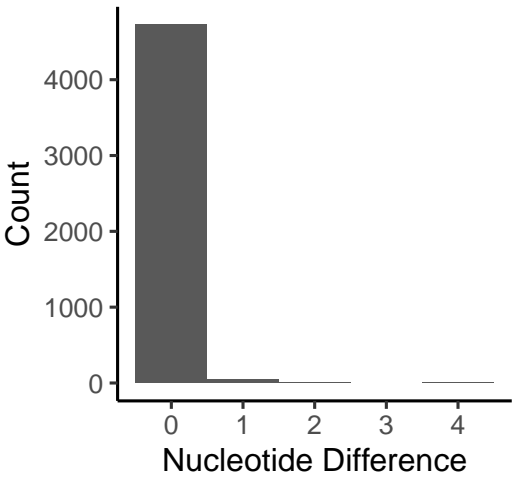
TRBV6-7*ap01

381 sequences assigned
373 (97.9%) exact matches, in which:
366 unique CDR3
13 unique J



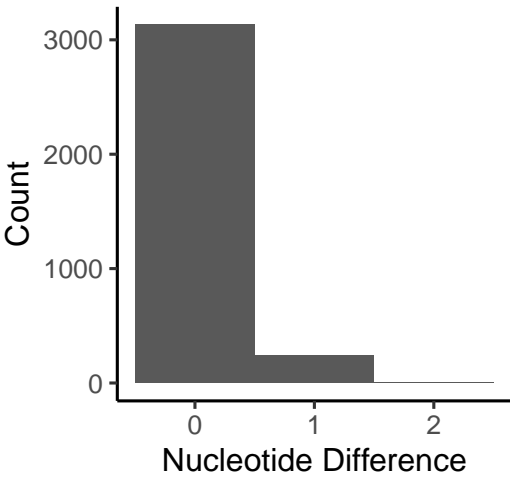
TRBV5-6*ap01

4779 sequences assigned
4725 (98.9%) exact matches, in which:
4621 unique CDR3
13 unique J



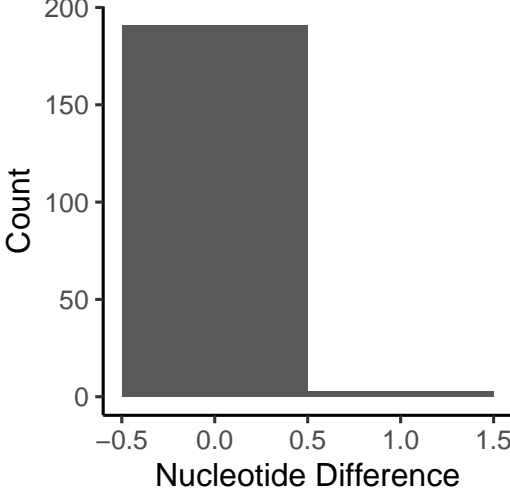
TRBV6-1*ap01

3374 sequences assigned
3132 (92.8%) exact matches, in which:
3065 unique CDR3
13 unique J



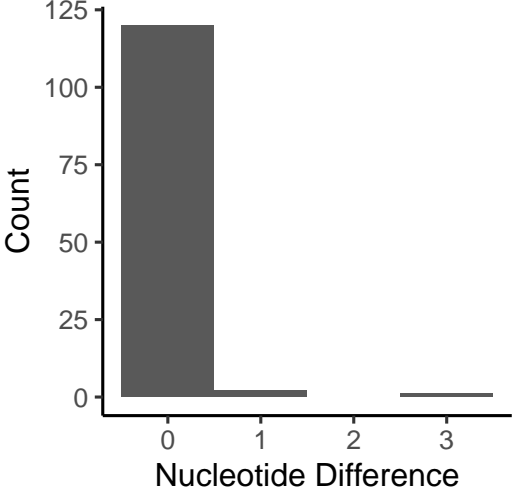
TRBV6-8*ap01

194 sequences assigned
191 (98.5%) exact matches, in which:
188 unique CDR3
13 unique J



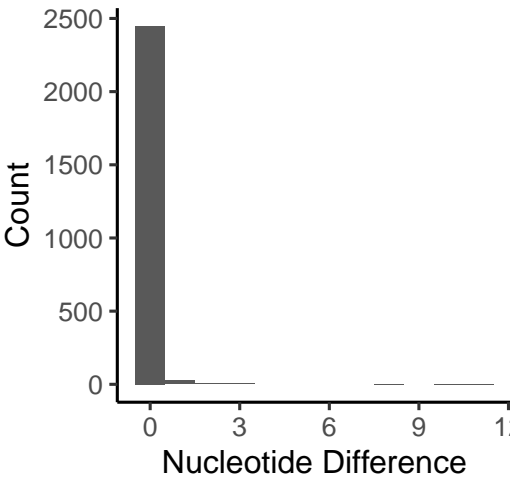
TRBV5-7*ap01

123 sequences assigned
120 (97.6%) exact matches, in which:
119 unique CDR3
12 unique J



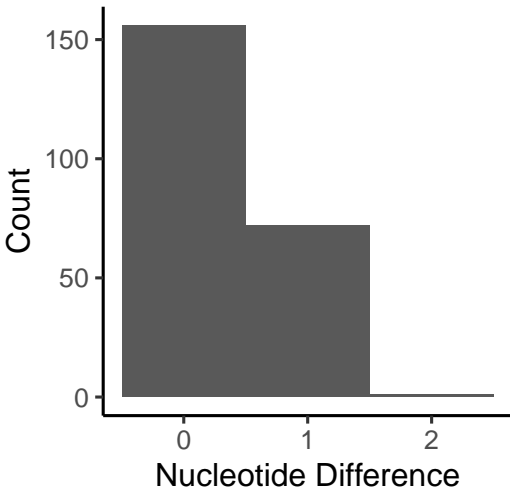
TRBV6-4*ap01

2490 sequences assigned
2448 (98.3%) exact matches, in which:
2408 unique CDR3
13 unique J



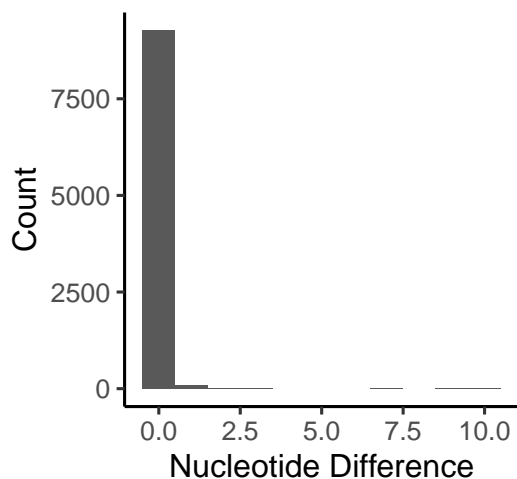
TRBV6-9*ap01

229 sequences assigned
156 (68.1%) exact matches, in which:
156 unique CDR3
13 unique J



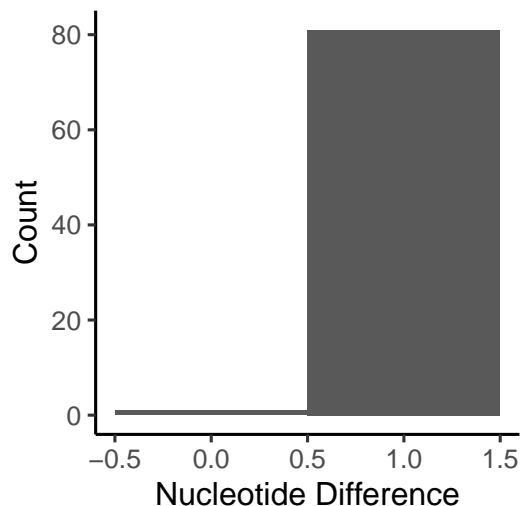
TRBV6-23*ap01

9369 sequences assigned
9269 (98.9%) exact matches, in which:
9107 unique CDR3
13 unique J



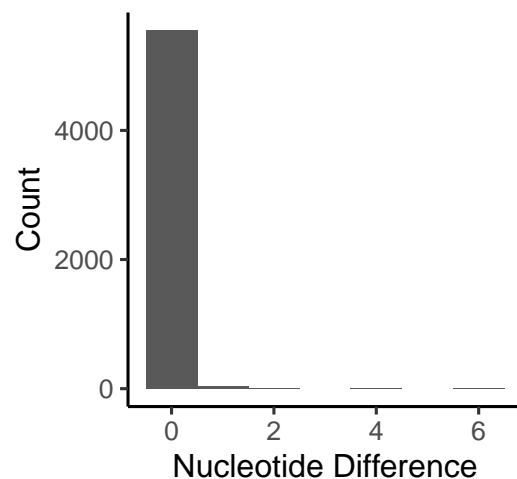
TRBV7-1*ap01_T296C

82 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



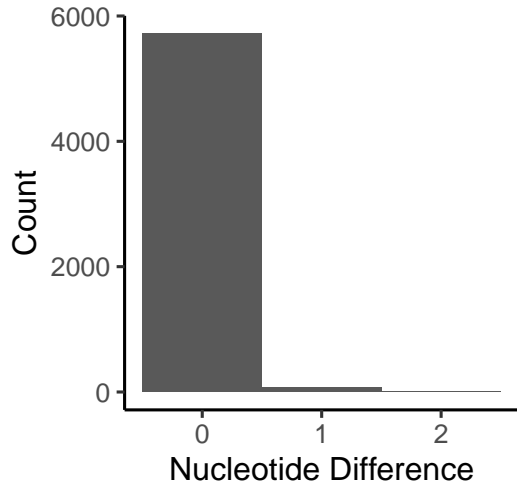
TRBV7-3*ap01

5595 sequences assigned
5549 (99.2%) exact matches, in which:
5463 unique CDR3
13 unique J



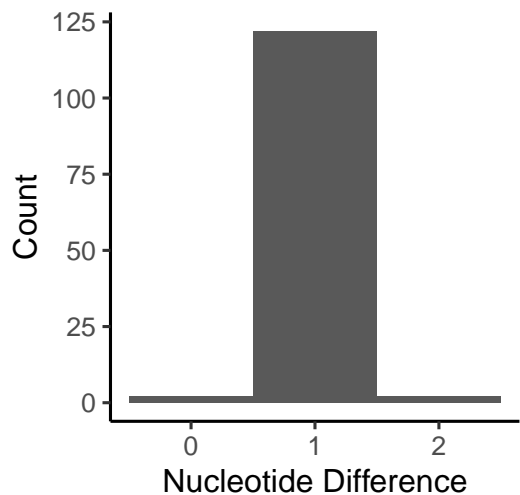
TRBV6-56*ap01

5792 sequences assigned
5717 (98.7%) exact matches, in which:
5612 unique CDR3
14 unique J



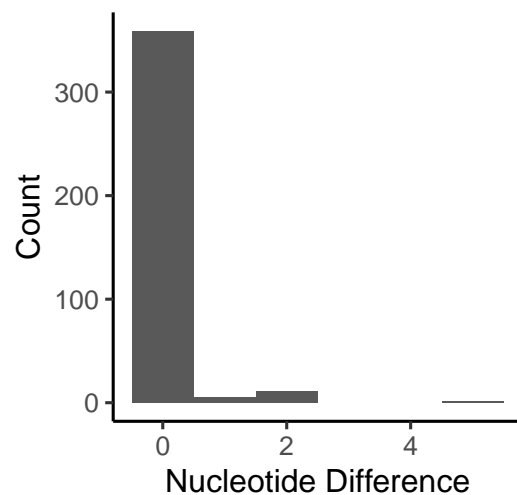
TRBV7-1*ap01_T296C_()

126 sequences assigned
2 (1.6%) exact matches, in which:
2 unique CDR3
2 unique J



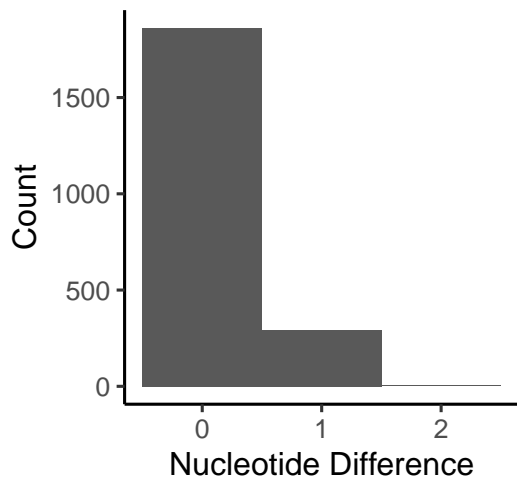
TRBV7-4*ap01

376 sequences assigned
359 (95.5%) exact matches, in which:
351 unique CDR3
13 unique J



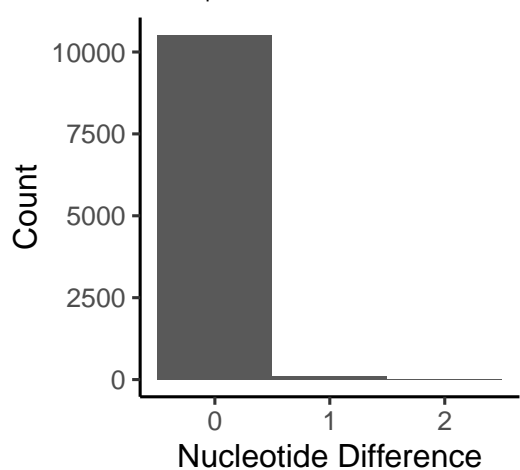
TRBV6-56*ap02

2158 sequences assigned
1861 (86.2%) exact matches, in which:
1833 unique CDR3
13 unique J



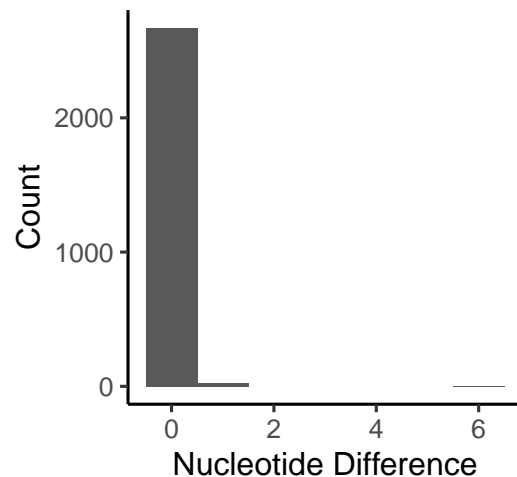
TRBV7-2*ap01

10621 sequences assigned
10525 (99.1%) exact matches, in which:
10373 unique CDR3
13 unique J



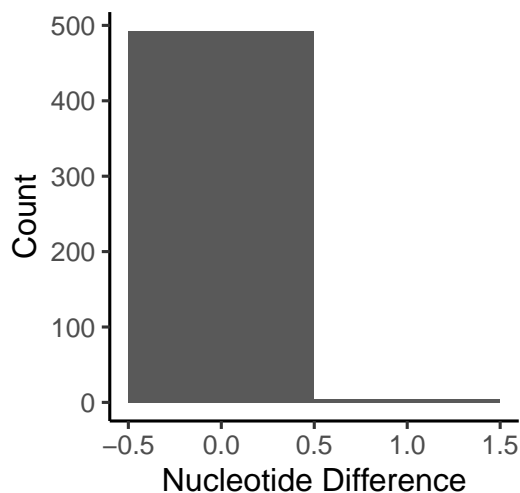
TRBV7-6*ap01

2694 sequences assigned
2669 (99.1%) exact matches, in which:
2630 unique CDR3
13 unique J



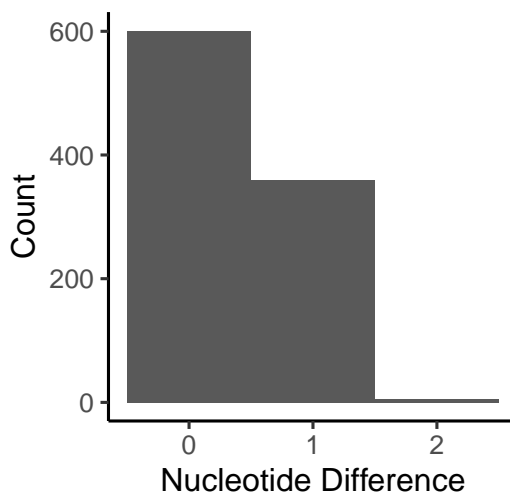
TRBV7-7*ap01

497 sequences assigned
493 (99.2%) exact matches, in which:
483 unique CDR3
13 unique J



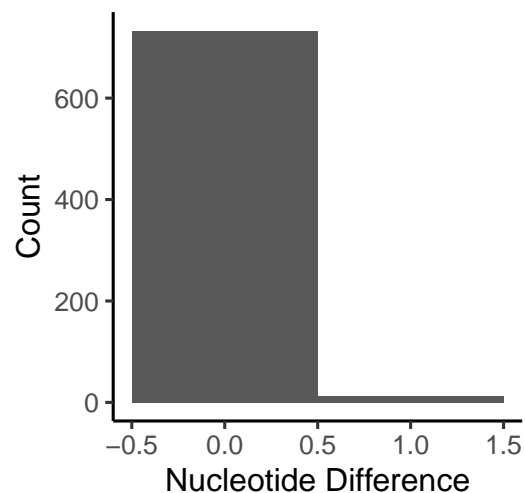
TRBV7-8*ap03

966 sequences assigned
601 (62.2%) exact matches, in which:
592 unique CDR3
13 unique J



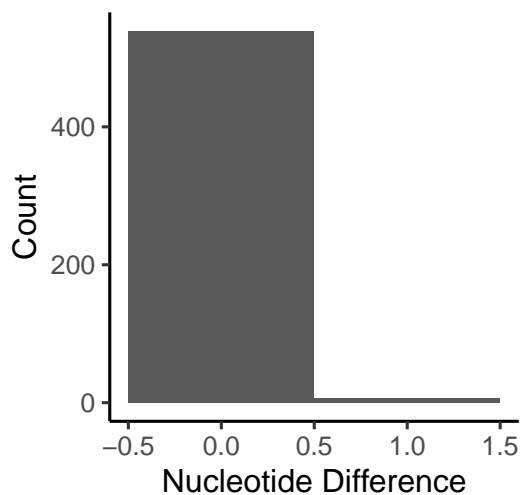
TRBV29-1*ap02

745 sequences assigned
733 (98.4%) exact matches, in which:
727 unique CDR3
13 unique J



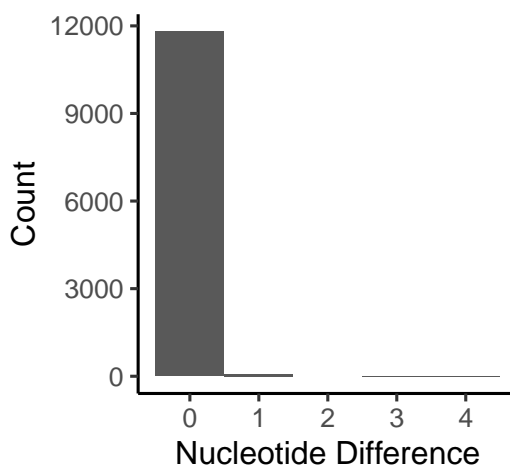
TRBV7-7*ap01_C315T

545 sequences assigned
539 (98.9%) exact matches, in which:
527 unique CDR3
13 unique J



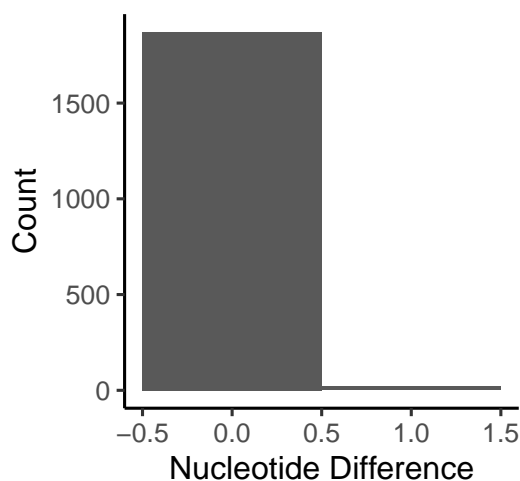
TRBV7-9*ap01

11882 sequences assigned
11808 (99.4%) exact matches, in which:
11656 unique CDR3
14 unique J



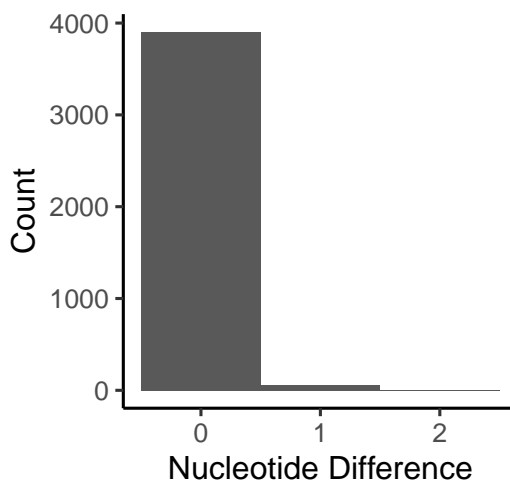
TRBV7-8*ap01

1891 sequences assigned
1871 (98.9%) exact matches, in which:
1834 unique CDR3
13 unique J

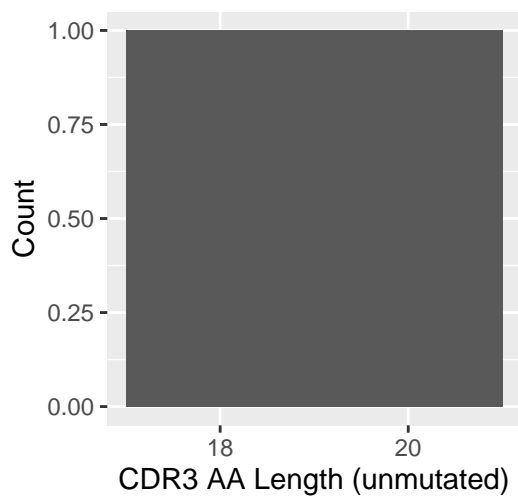


TRBV29-1*ap01

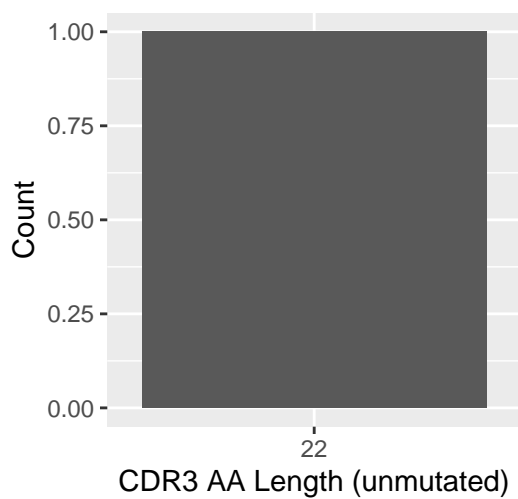
3964 sequences assigned
3902 (98.4%) exact matches, in which:
3842 unique CDR3
13 unique J



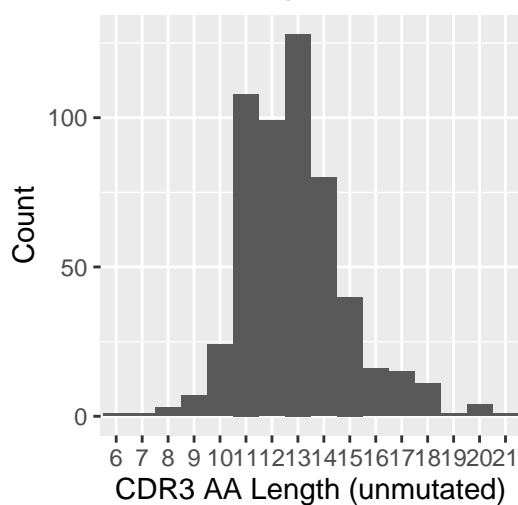
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]