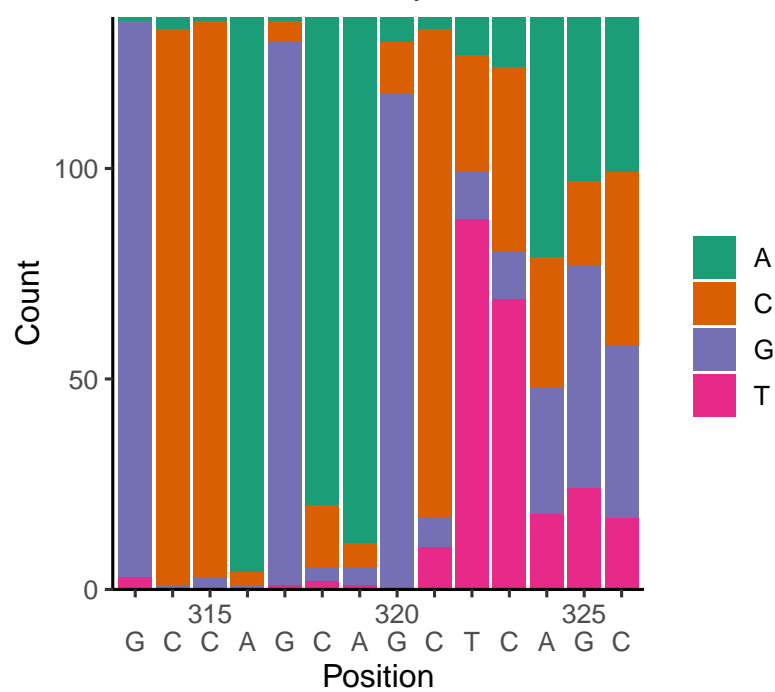
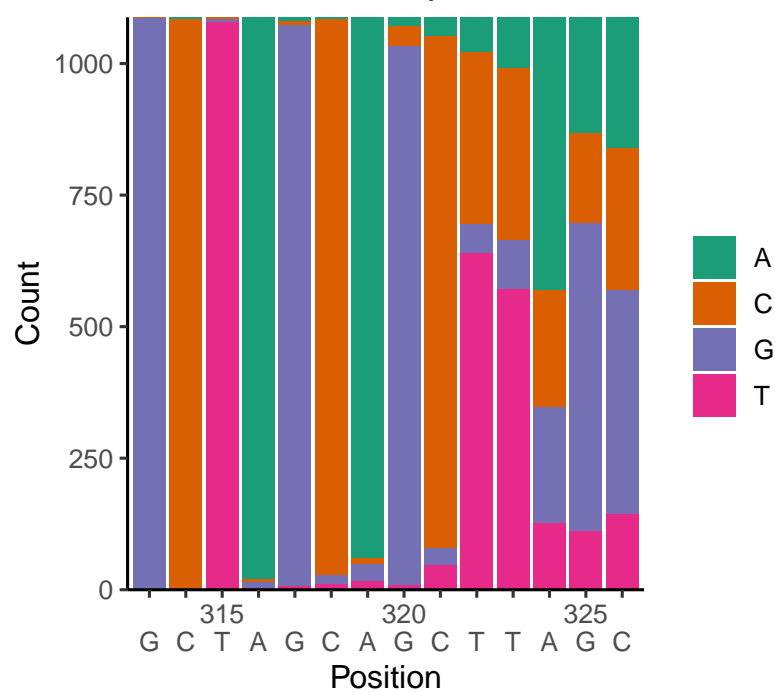


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



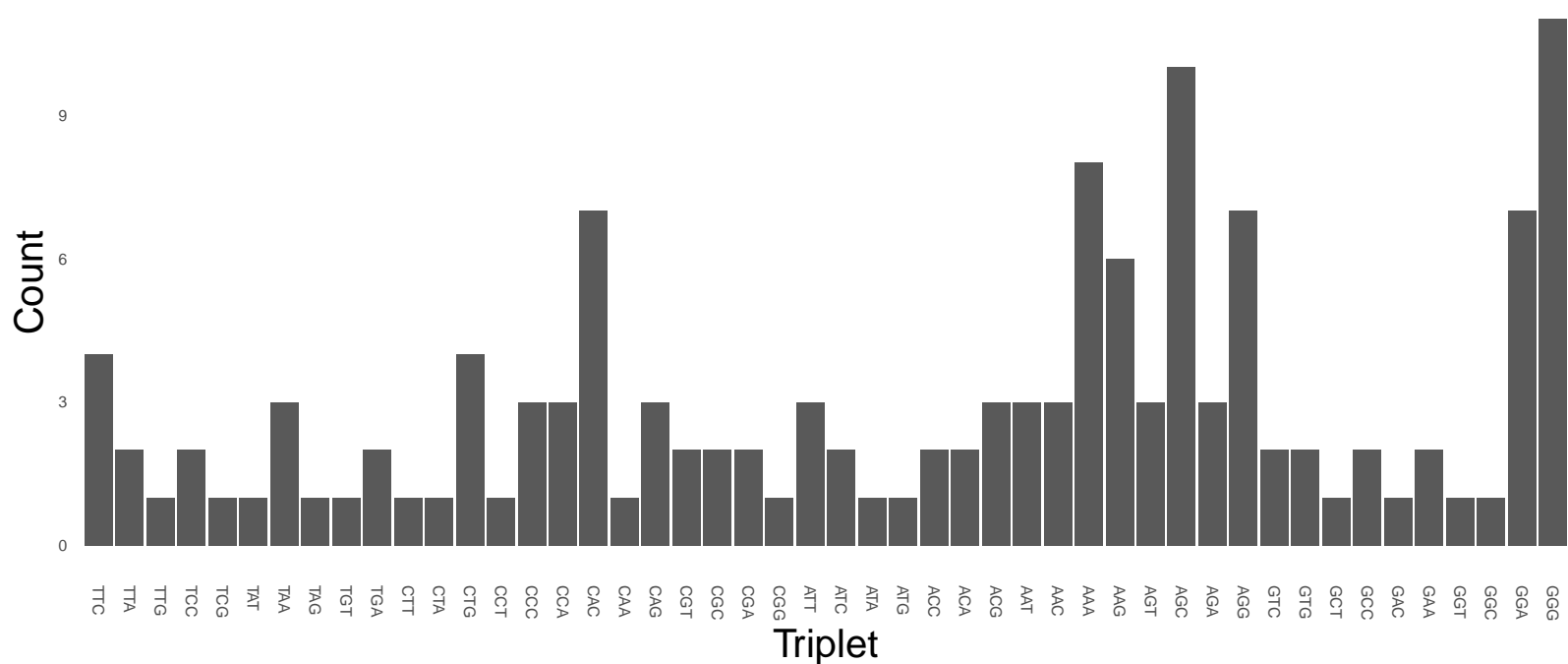
Gene TRBV7-1*ap01_G291C_T296C



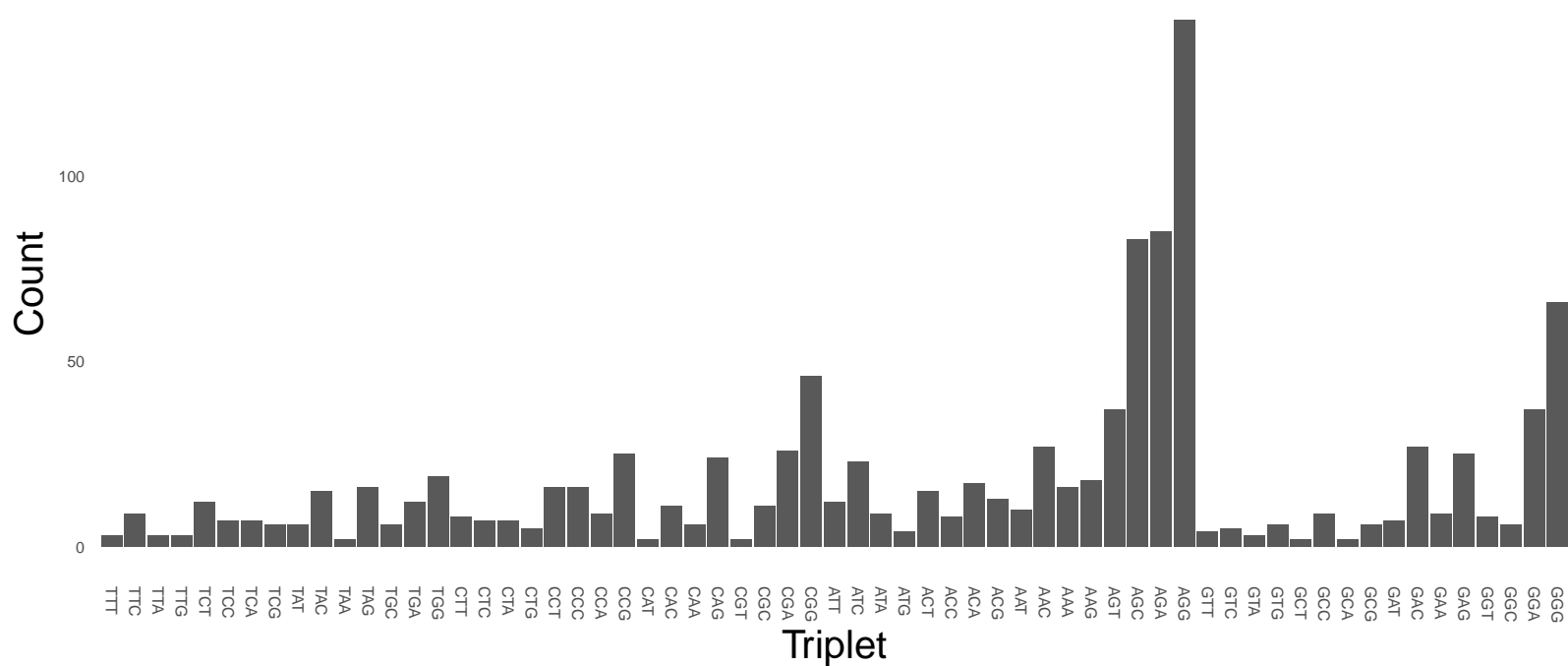
Gene TRBV7-7*ap01_C315T



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

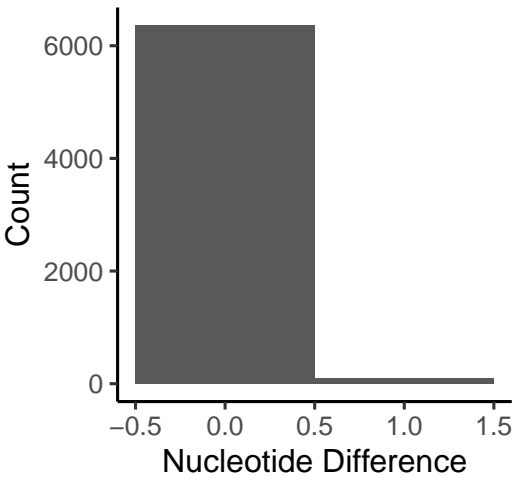


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



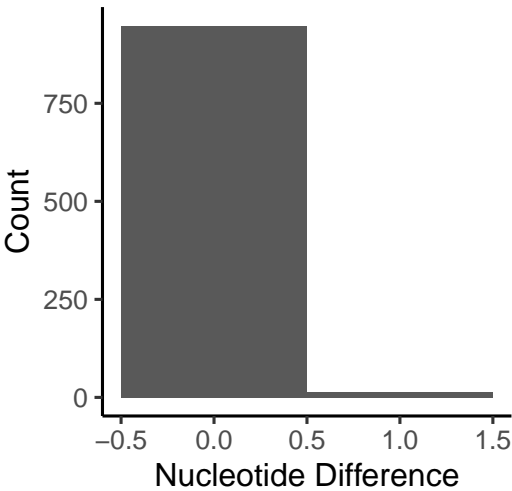
TRBV20-1*ap01

6467 sequences assigned
6361 (98.4%) exact matches, in which:
6271 unique CDR3
14 unique J



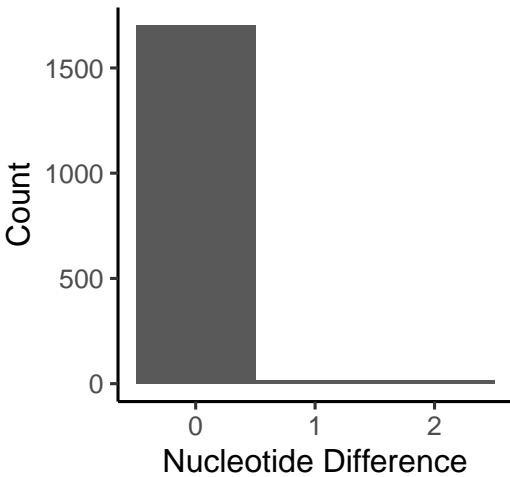
TRBV10-2*ap01

961 sequences assigned
948 (98.6%) exact matches, in which:
928 unique CDR3
14 unique J



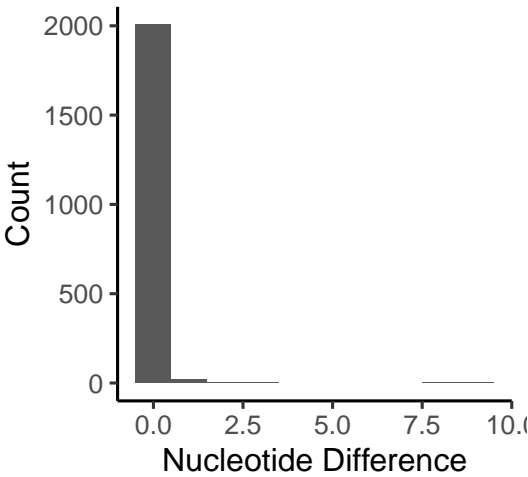
TRBV13*ap01

1736 sequences assigned
1702 (98%) exact matches, in which:
1665 unique CDR3
14 unique J



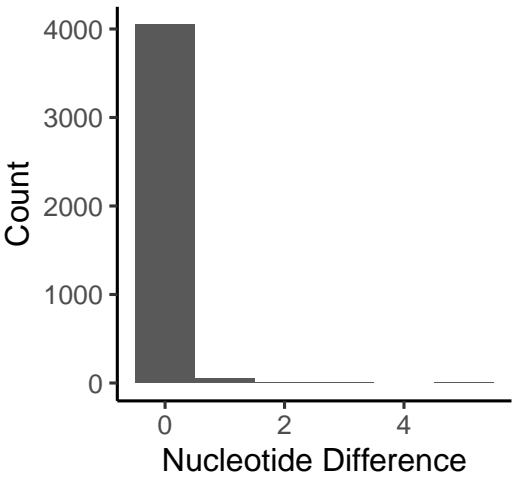
TRBV10-1*ap01

2030 sequences assigned
2006 (98.8%) exact matches, in which:
1954 unique CDR3
14 unique J



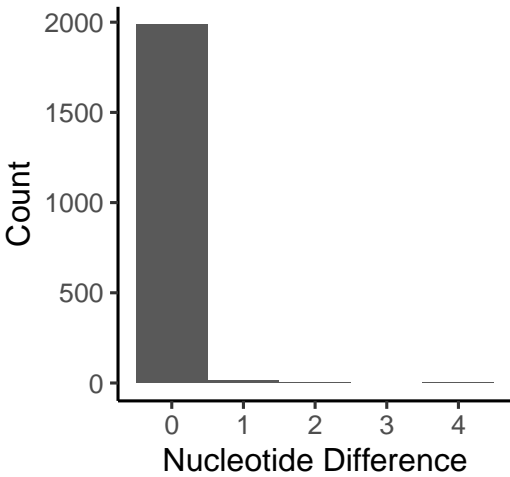
TRBV10-3*ap01

4103 sequences assigned
4048 (98.7%) exact matches, in which:
3972 unique CDR3
14 unique J



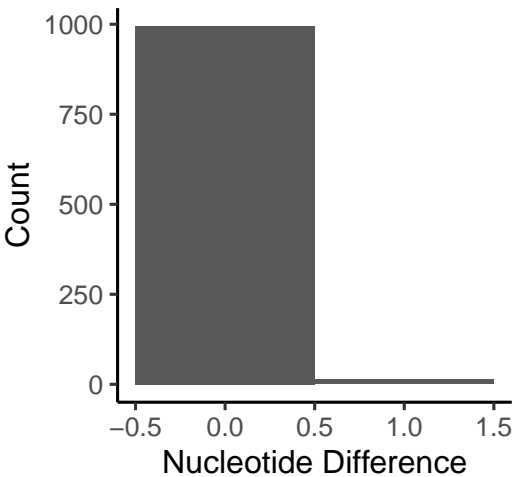
TRBV14*ap01

2004 sequences assigned
1986 (99.1%) exact matches, in which:
1942 unique CDR3
14 unique J



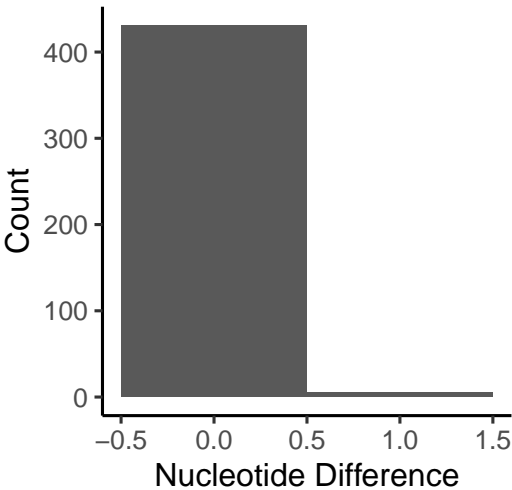
TRBV20-1*ap02

1008 sequences assigned
995 (98.7%) exact matches, in which:
980 unique CDR3
14 unique J



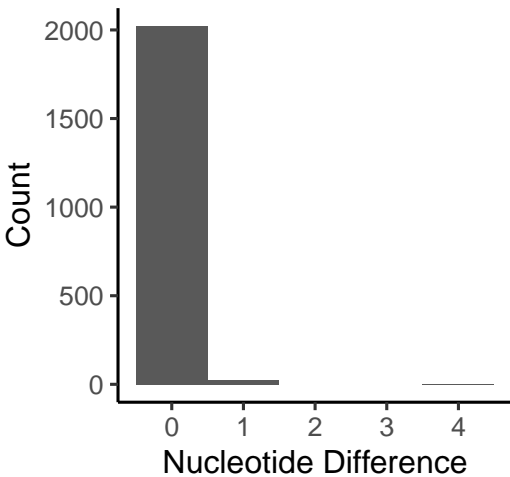
TRBV1*ap01

436 sequences assigned
431 (98.9%) exact matches, in which:
424 unique CDR3
14 unique J



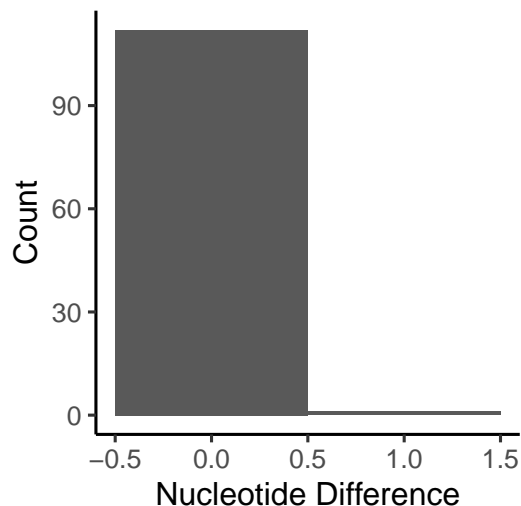
TRBV15*ap02

2049 sequences assigned
2022 (98.7%) exact matches, in which:
1982 unique CDR3
14 unique J



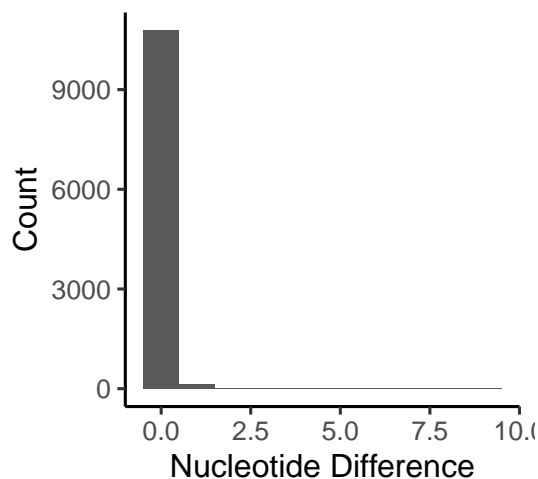
TRBV16*ap01

113 sequences assigned
112 (99.1%) exact matches, in which:
109 unique CDR3
14 unique J



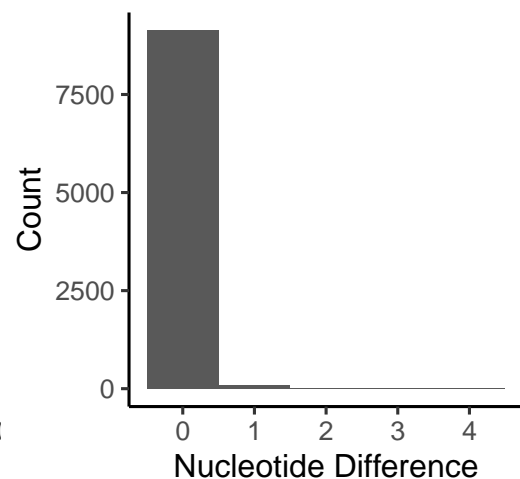
TRBV19*ap01

10936 sequences assigned
10781 (98.6%) exact matches, in which:
10653 unique CDR3
14 unique J



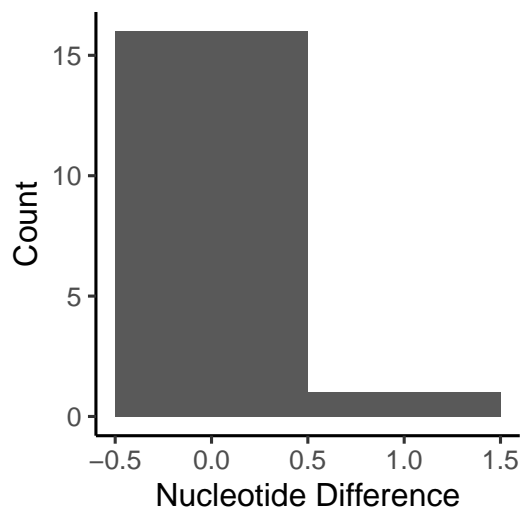
TRBV28*ap01

9226 sequences assigned
9134 (99%) exact matches, in which:
8989 unique CDR3
14 unique J



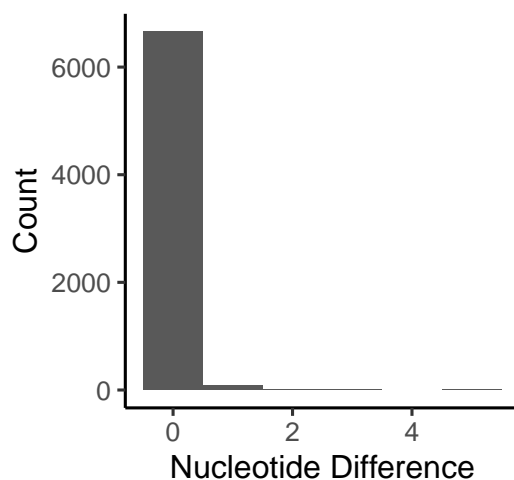
TRBV17*ap01

17 sequences assigned
16 (94.1%) exact matches, in which:
15 unique CDR3
8 unique J



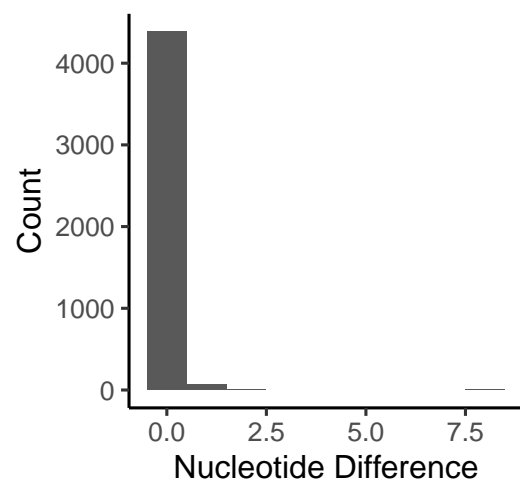
TRBV2*ap01

6750 sequences assigned
6657 (98.6%) exact matches, in which:
6529 unique CDR3
14 unique J



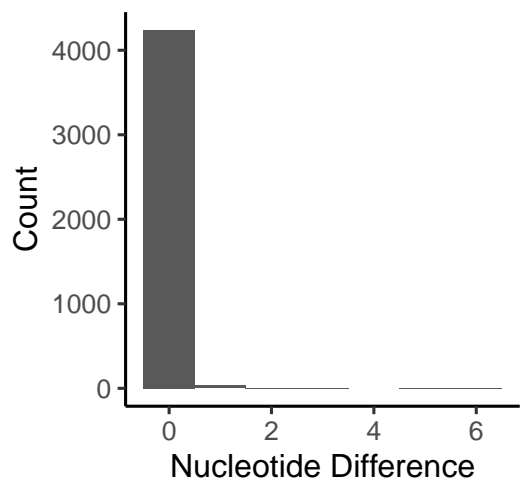
TRBV30*ap01

4453 sequences assigned
4385 (98.5%) exact matches, in which:
4332 unique CDR3
13 unique J



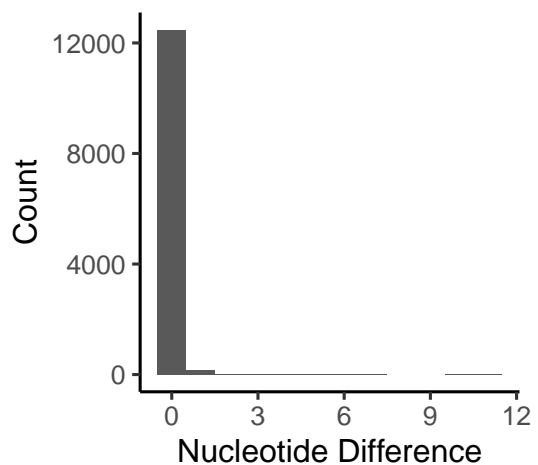
TRBV18*ap01

4277 sequences assigned
4239 (99.1%) exact matches, in which:
4179 unique CDR3
14 unique J



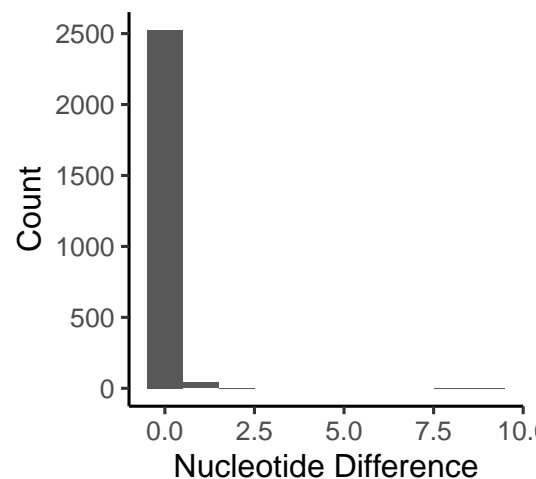
TRBV27*ap01

12659 sequences assigned
12476 (98.6%) exact matches, in which:
12215 unique CDR3
14 unique J



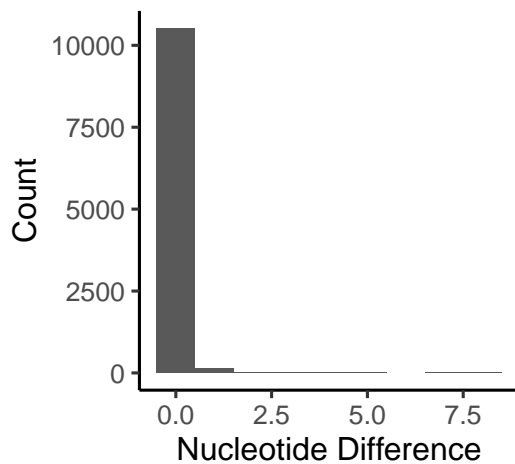
TRBV30*ap02

2571 sequences assigned
2525 (98.2%) exact matches, in which:
2513 unique CDR3
14 unique J



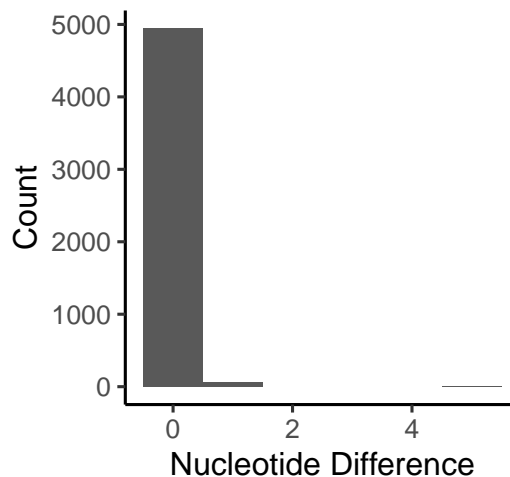
TRBV9*ap01

10677 sequences assigned
10524 (98.6%) exact matches, in which:
10355 unique CDR3
14 unique J



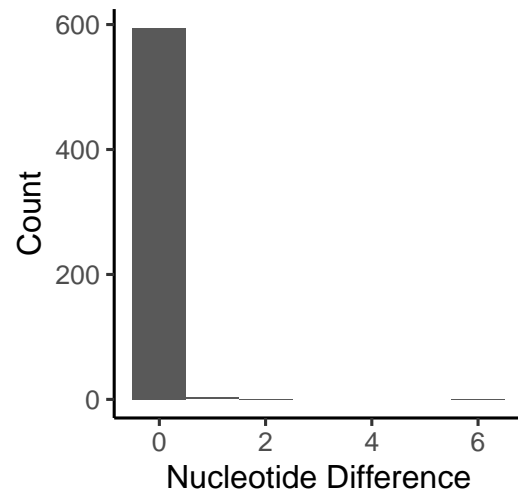
TRBV11-2*ap01

5007 sequences assigned
4945 (98.8%) exact matches, in which:
4843 unique CDR3
14 unique J



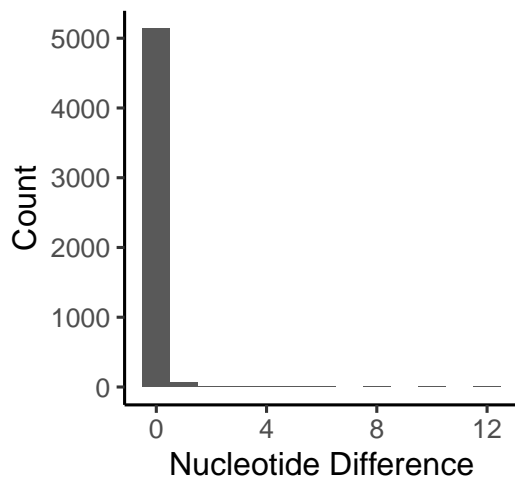
TRBV12-2*ap01

600 sequences assigned
595 (99.2%) exact matches, in which:
571 unique CDR3
14 unique J



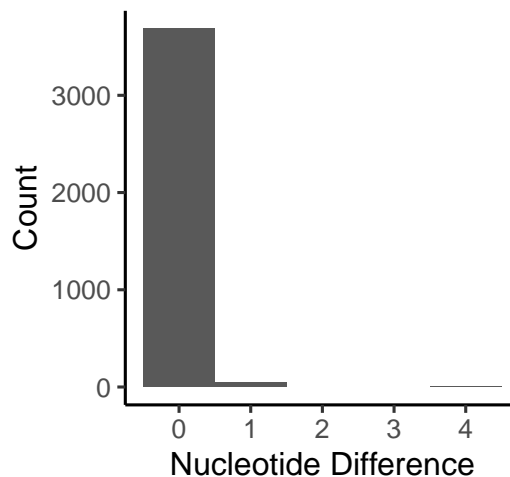
TRBV21-1*ap01

5230 sequences assigned
5136 (98.2%) exact matches, in which:
5031 unique CDR3
14 unique J



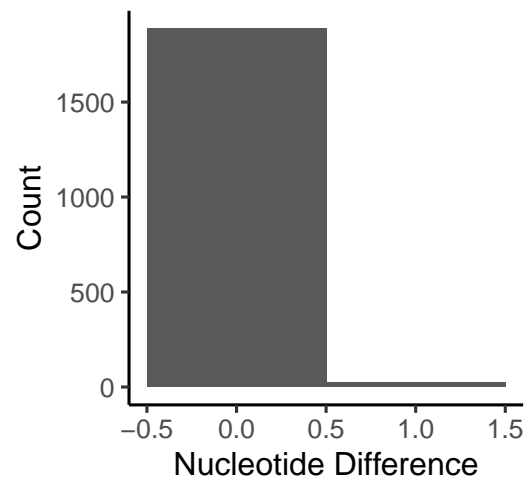
TRBV11-3*ap01

3737 sequences assigned
3685 (98.6%) exact matches, in which:
3626 unique CDR3
14 unique J



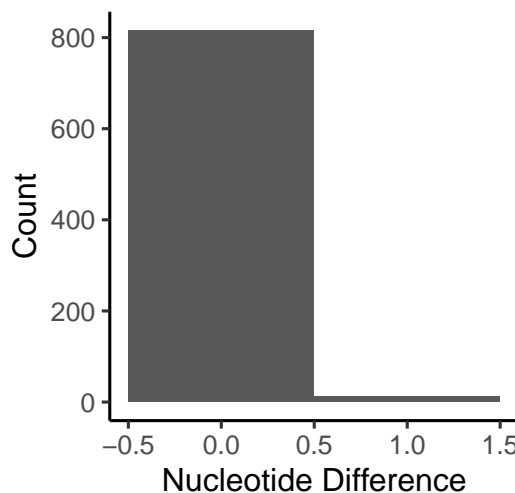
TRBV12-5*ap01

1909 sequences assigned
1886 (98.8%) exact matches, in which:
1847 unique CDR3
14 unique J



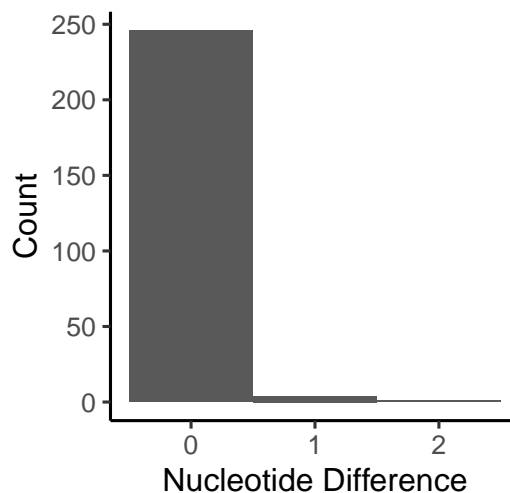
TRBV11-1*ap01

829 sequences assigned
816 (98.4%) exact matches, in which:
802 unique CDR3
14 unique J



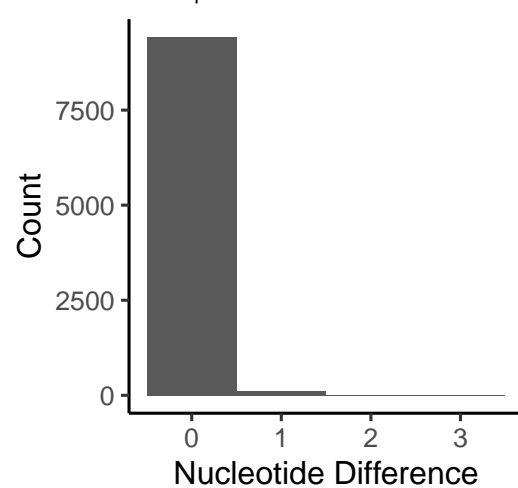
TRBV12-1*ap01

251 sequences assigned
246 (98%) exact matches, in which:
239 unique CDR3
14 unique J



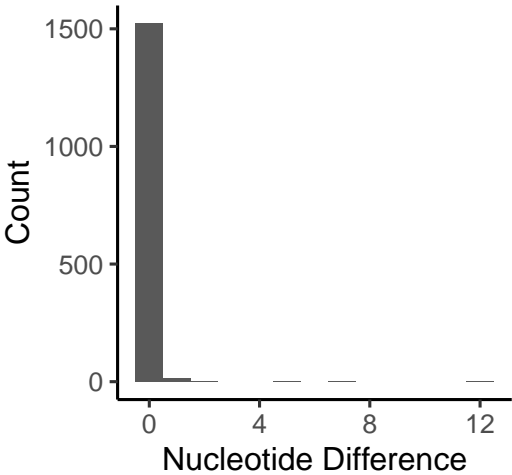
TRBV12-34*ap01

9550 sequences assigned
9421 (98.6%) exact matches, in which:
9255 unique CDR3
14 unique J



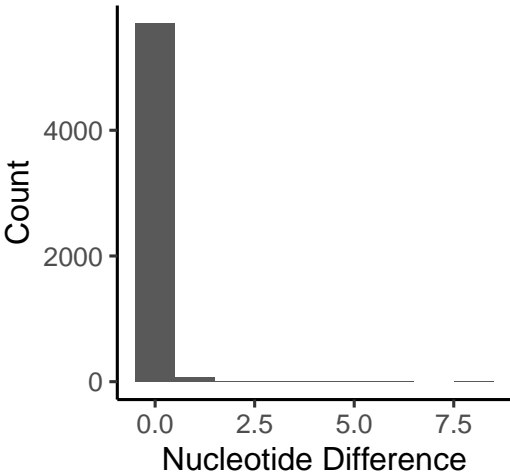
TRBV23-1*ap01

1543 sequences assigned
1523 (98.7%) exact matches, in which:
1484 unique CDR3
14 unique J



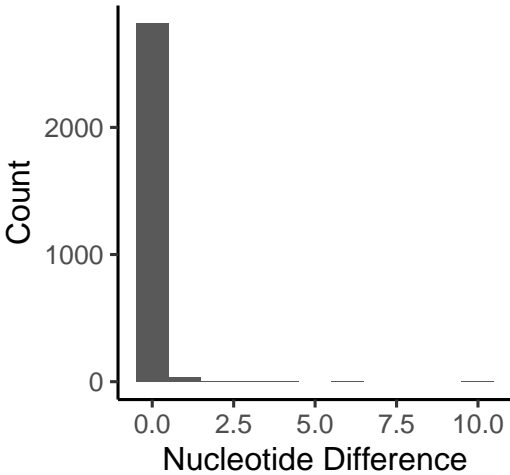
TRBV24-1*ap01

5796 sequences assigned
5700 (98.3%) exact matches, in which:
5622 unique CDR3
14 unique J



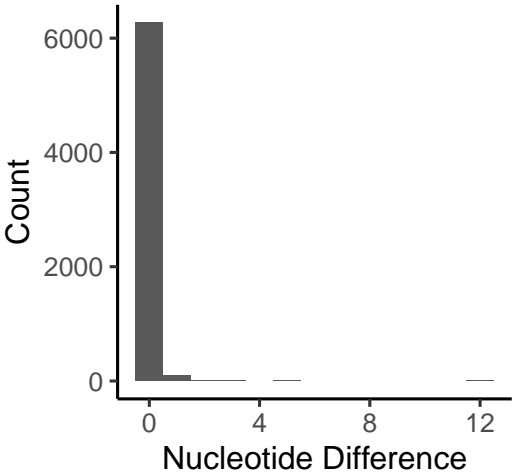
TRBV25-1*ap01

2862 sequences assigned
2818 (98.5%) exact matches, in which:
2770 unique CDR3
14 unique J



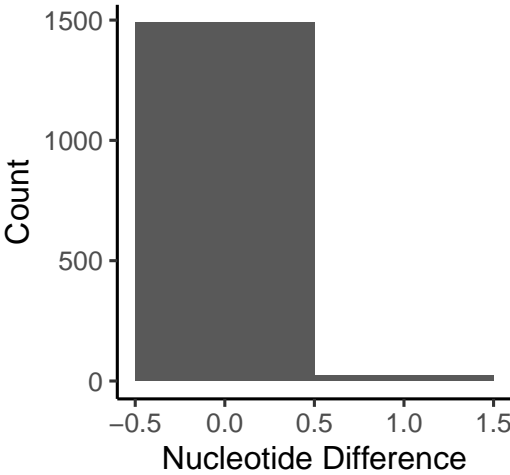
TRBV3-12*ap01

6369 sequences assigned
6270 (98.4%) exact matches, in which:
6142 unique CDR3
14 unique J



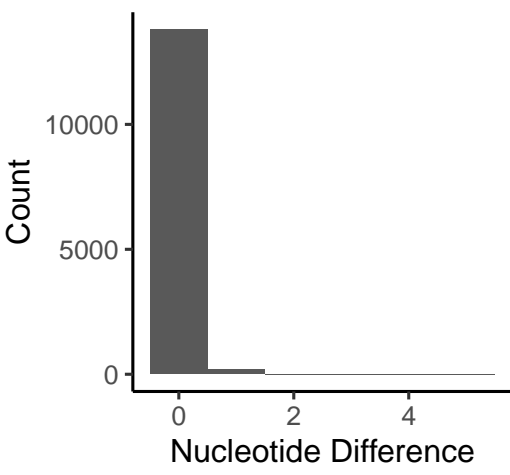
TRBV4-2*ap01

1511 sequences assigned
1489 (98.5%) exact matches, in which:
1468 unique CDR3
14 unique J



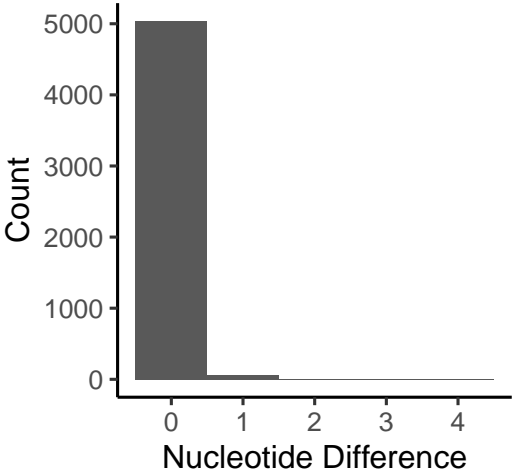
TRBV5-1*ap01

14001 sequences assigned
13798 (98.6%) exact matches, in which:
13491 unique CDR3
15 unique J



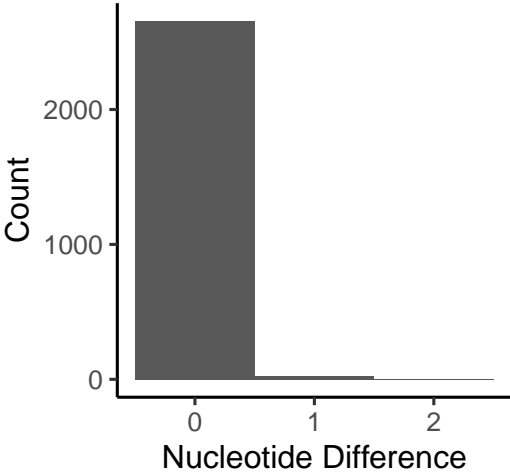
TRBV4-1*ap01

5099 sequences assigned
5038 (98.8%) exact matches, in which:
4948 unique CDR3
14 unique J



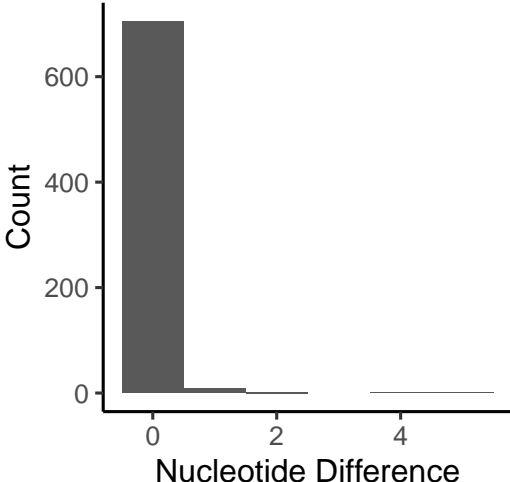
TRBV4-3*ap01

2683 sequences assigned
2656 (99%) exact matches, in which:
2630 unique CDR3
14 unique J



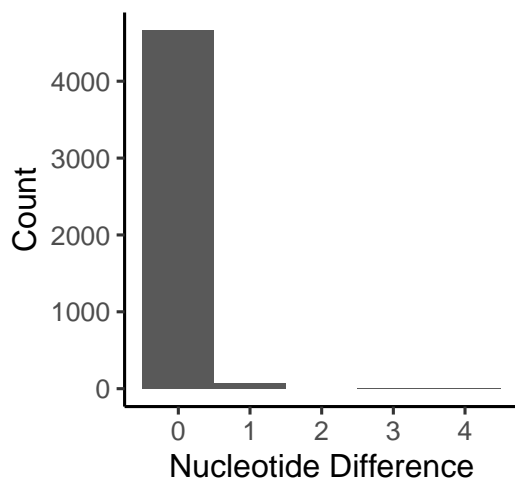
TRBV5-3*ap01

718 sequences assigned
705 (98.2%) exact matches, in which:
685 unique CDR3
14 unique J



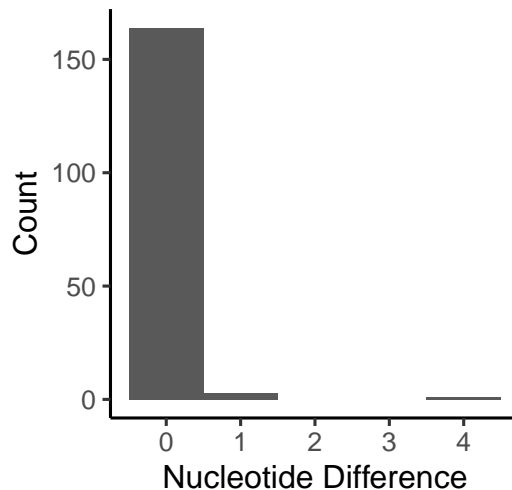
TRBV5-4*ap01

4741 sequences assigned
4661 (98.3%) exact matches, in which:
4581 unique CDR3
14 unique J



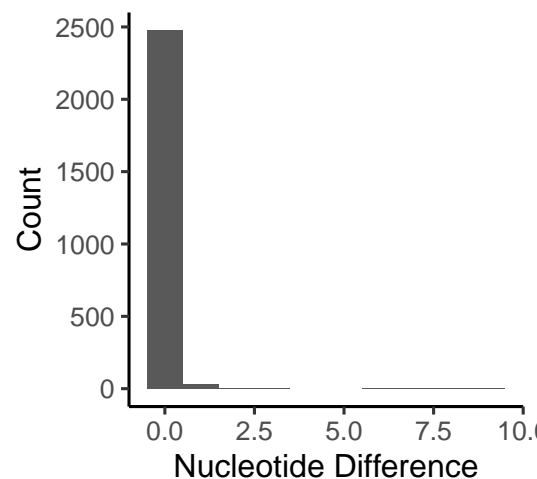
TRBV5-7*ap01

168 sequences assigned
164 (97.6%) exact matches, in which:
160 unique CDR3
14 unique J



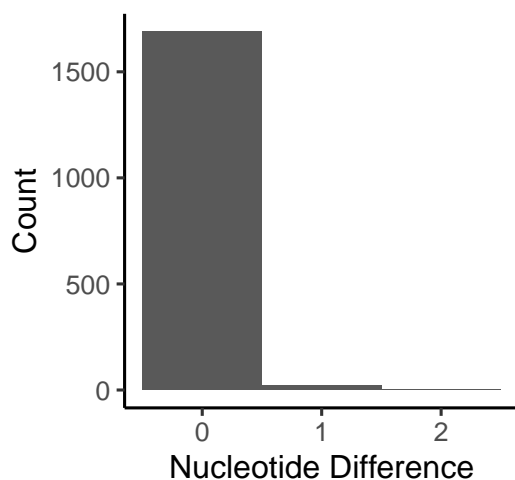
TRBV6-4*ap01

2521 sequences assigned
2476 (98.2%) exact matches, in which:
2421 unique CDR3
14 unique J



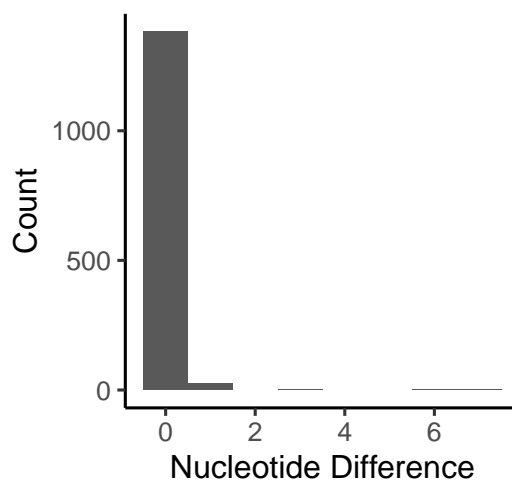
TRBV5-5*ap01

1712 sequences assigned
1689 (98.7%) exact matches, in which:
1676 unique CDR3
14 unique J



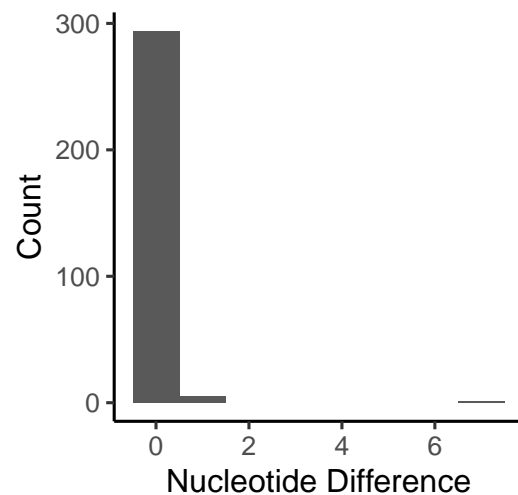
TRBV5-8*ap01

1409 sequences assigned
1382 (98.1%) exact matches, in which:
1353 unique CDR3
14 unique J



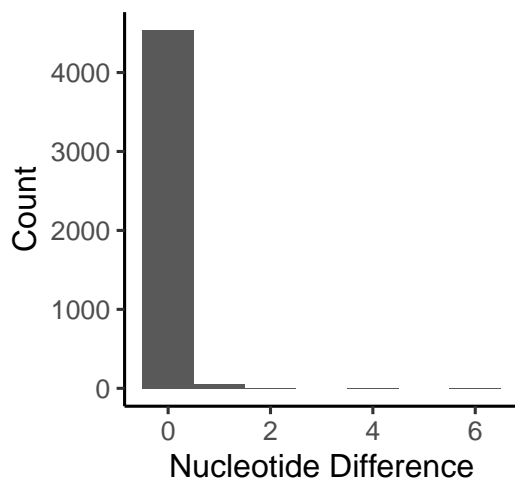
TRBV6-7*ap01

300 sequences assigned
294 (98%) exact matches, in which:
283 unique CDR3
14 unique J



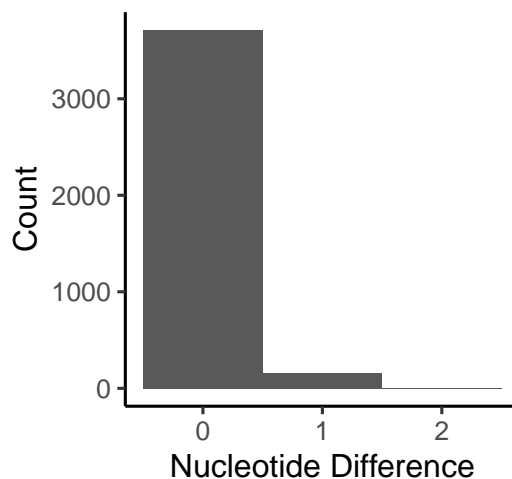
TRBV5-6*ap01

4597 sequences assigned
4538 (98.7%) exact matches, in which:
4426 unique CDR3
14 unique J



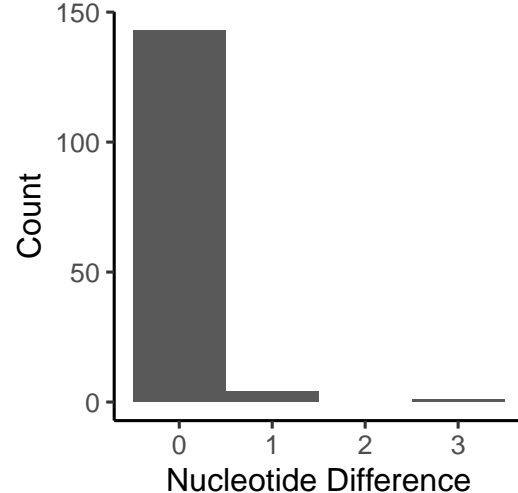
TRBV6-1*ap01

3874 sequences assigned
3712 (95.8%) exact matches, in which:
3630 unique CDR3
14 unique J



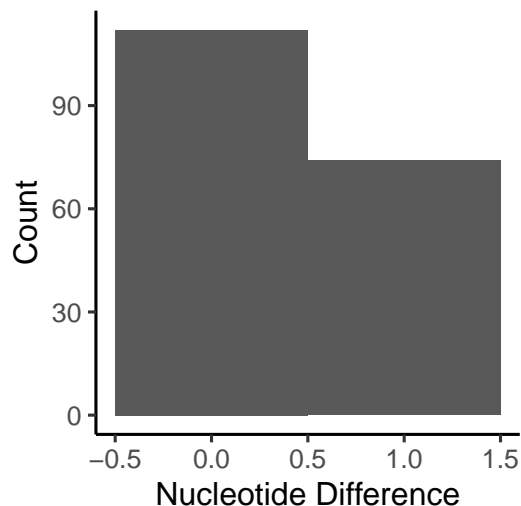
TRBV6-8*ap01

148 sequences assigned
143 (96.6%) exact matches, in which:
139 unique CDR3
14 unique J



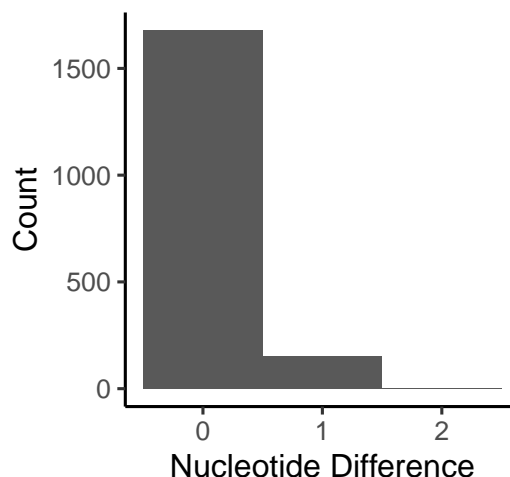
TRBV6–9*ap01

186 sequences assigned
112 (60.2%) exact matches, in which:
109 unique CDR3
14 unique J



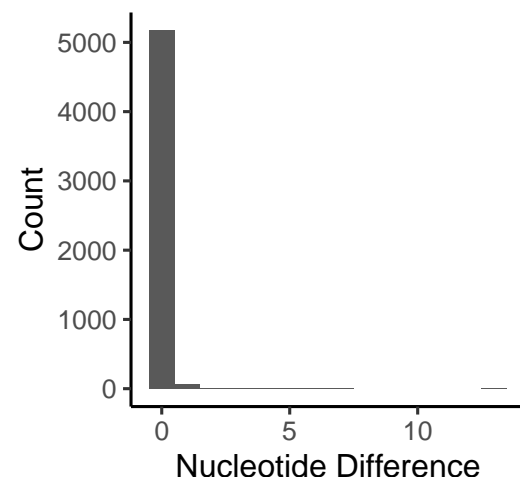
TRBV6–56*ap02

1833 sequences assigned
1678 (91.5%) exact matches, in which:
1641 unique CDR3
14 unique J



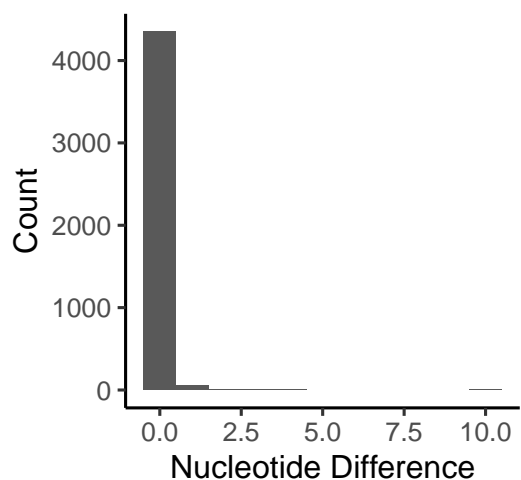
TRBV7–3*ap01

5243 sequences assigned
5173 (98.7%) exact matches, in which:
5082 unique CDR3
14 unique J



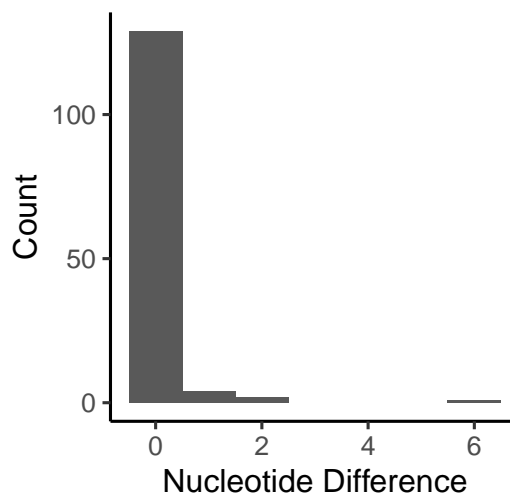
TRBV6–23*ap01

4419 sequences assigned
4350 (98.4%) exact matches, in which:
4264 unique CDR3
14 unique J



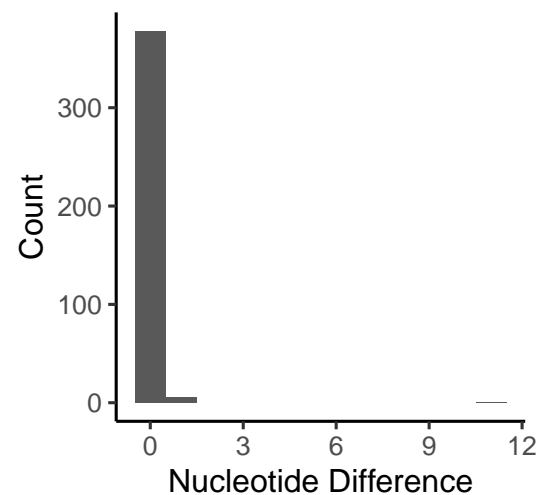
TRBV7–1*ap01_G291C_

136 sequences assigned
129 (94.9%) exact matches, in which:
125 unique CDR3
14 unique J



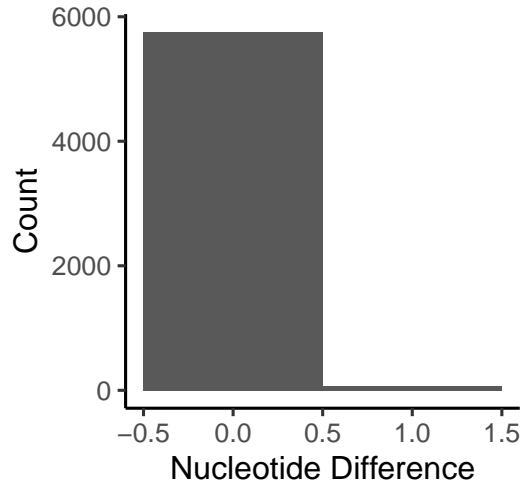
TRBV7–4*ap01

385 sequences assigned
378 (98.2%) exact matches, in which:
366 unique CDR3
14 unique J



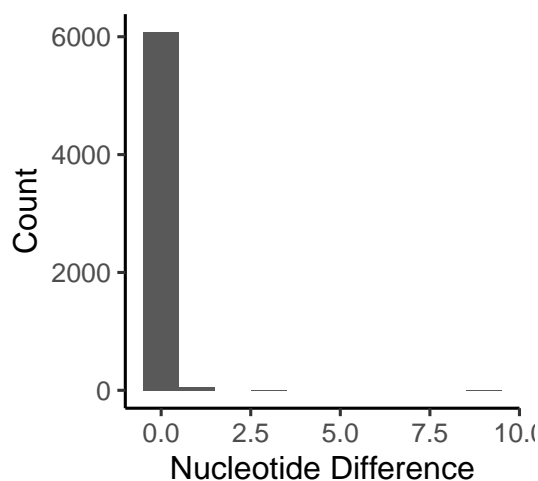
TRBV6–56*ap01

5827 sequences assigned
5754 (98.7%) exact matches, in which:
5644 unique CDR3
14 unique J



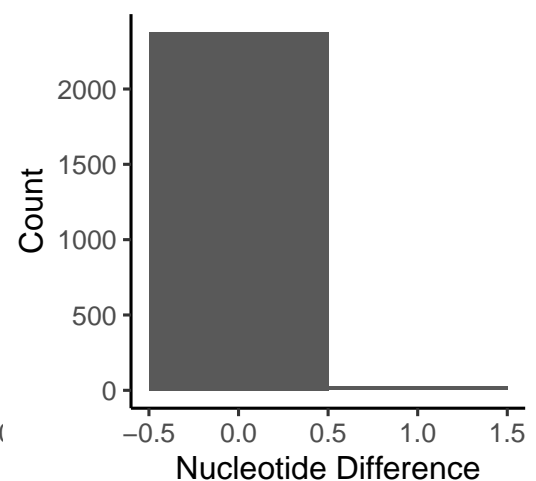
TRBV7–2*ap01

6142 sequences assigned
6079 (99%) exact matches, in which:
5994 unique CDR3
14 unique J



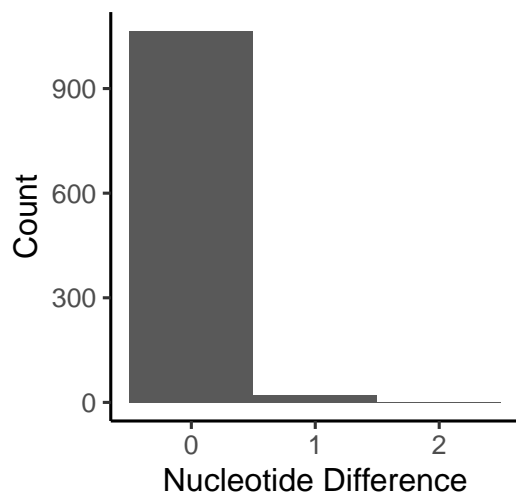
TRBV7–6*ap01

2404 sequences assigned
2378 (98.9%) exact matches, in which:
2327 unique CDR3
14 unique J



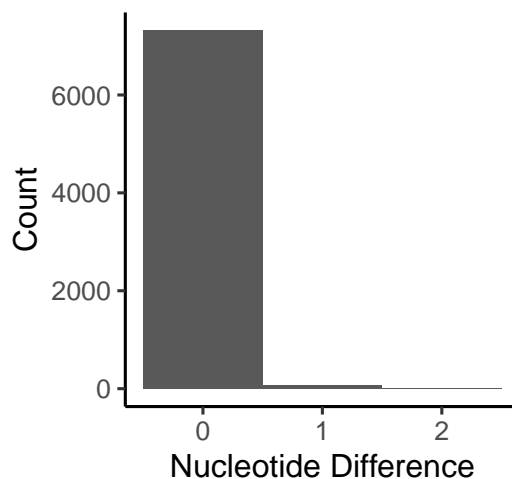
TRBV7-7*ap01_C315T

1088 sequences assigned
1066 (98%) exact matches, in which:
1043 unique CDR3
14 unique J



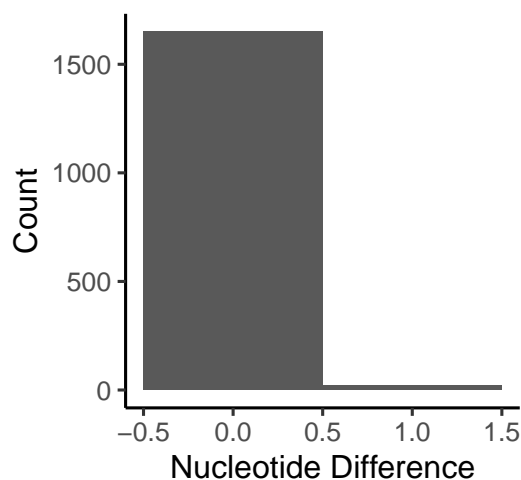
TRBV7-9*ap01

7402 sequences assigned
7319 (98.9%) exact matches, in which:
7195 unique CDR3
14 unique J



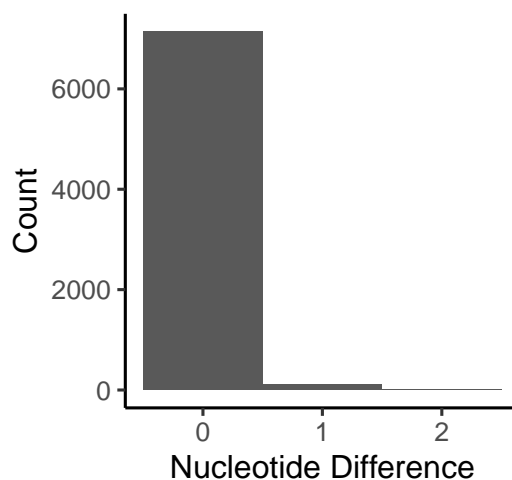
TRBV7-8*ap01

1671 sequences assigned
1650 (98.7%) exact matches, in which:
1620 unique CDR3
14 unique J



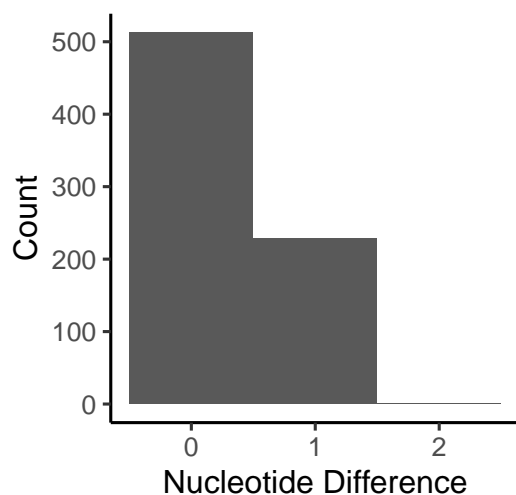
TRBV29-1*ap01

7250 sequences assigned
7139 (98.5%) exact matches, in which:
7057 unique CDR3
14 unique J



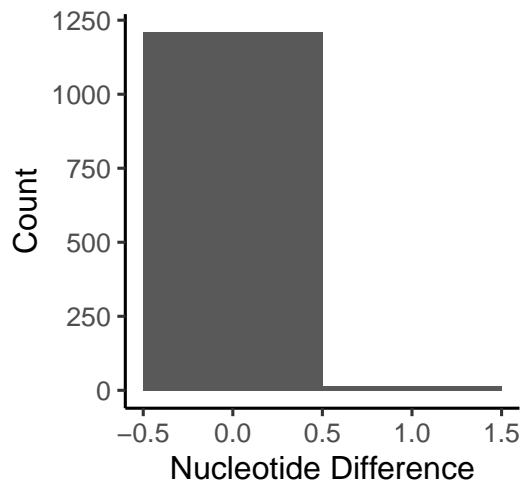
TRBV7-8*ap03

742 sequences assigned
513 (69.1%) exact matches, in which:
505 unique CDR3
14 unique J

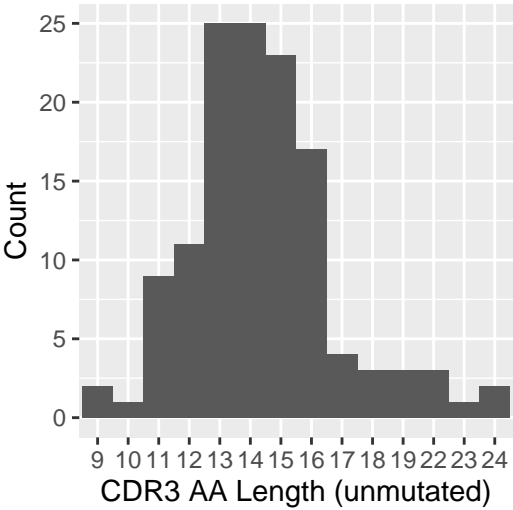


TRBV29-1*ap02

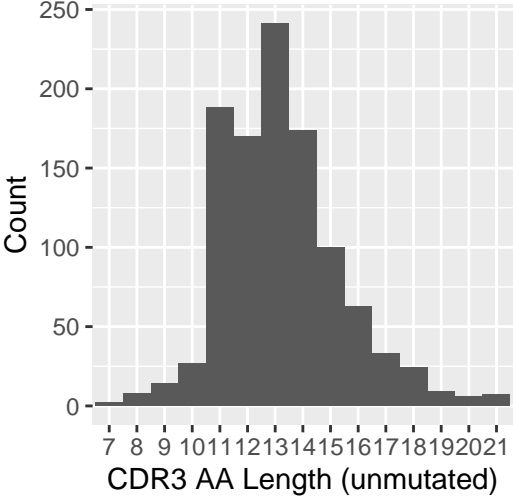
1224 sequences assigned
1210 (98.9%) exact matches, in which:
1191 unique CDR3
14 unique J

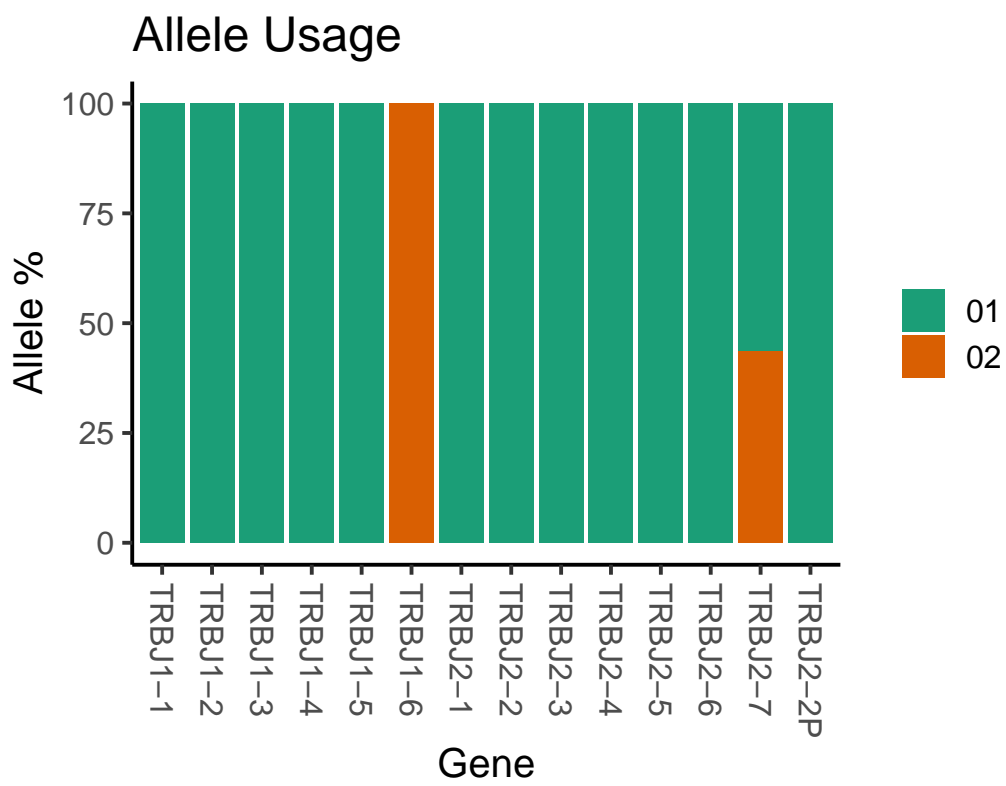


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage

