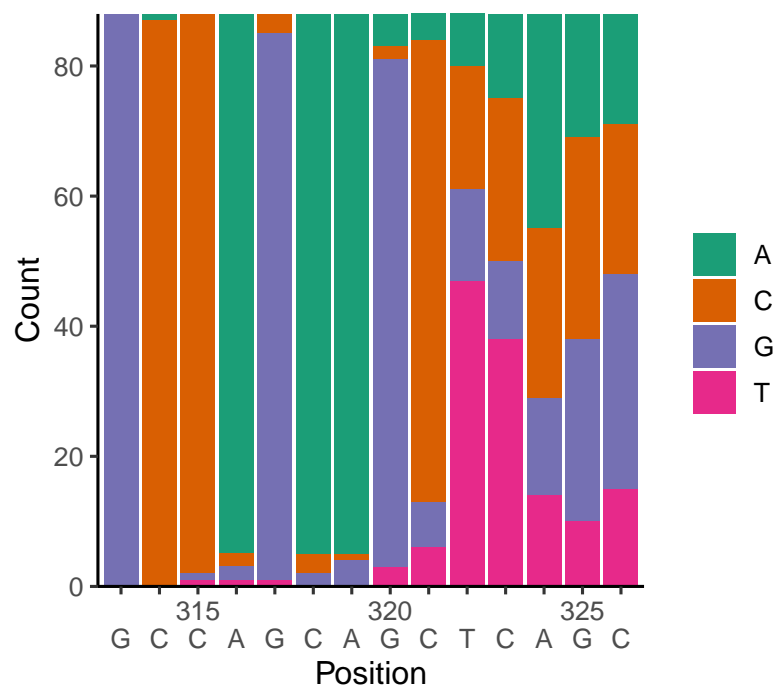
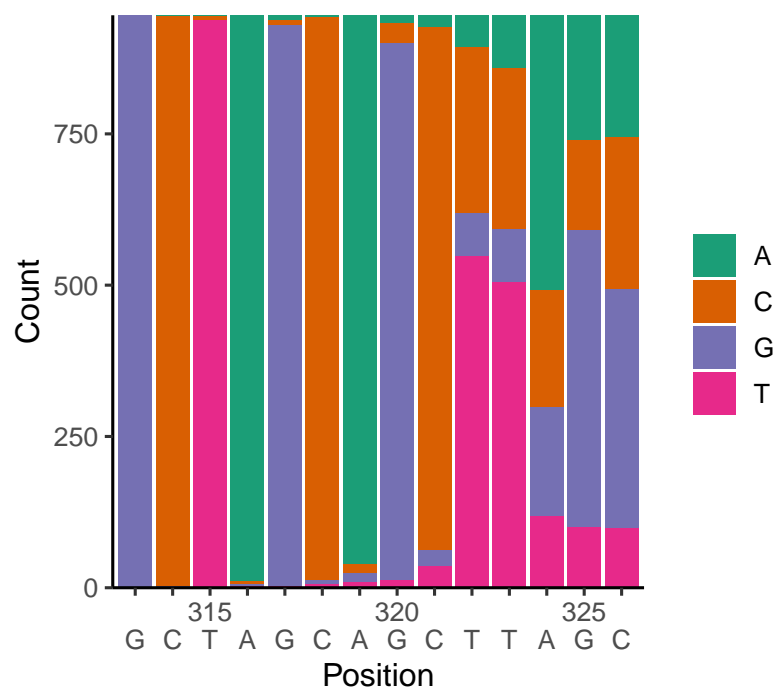


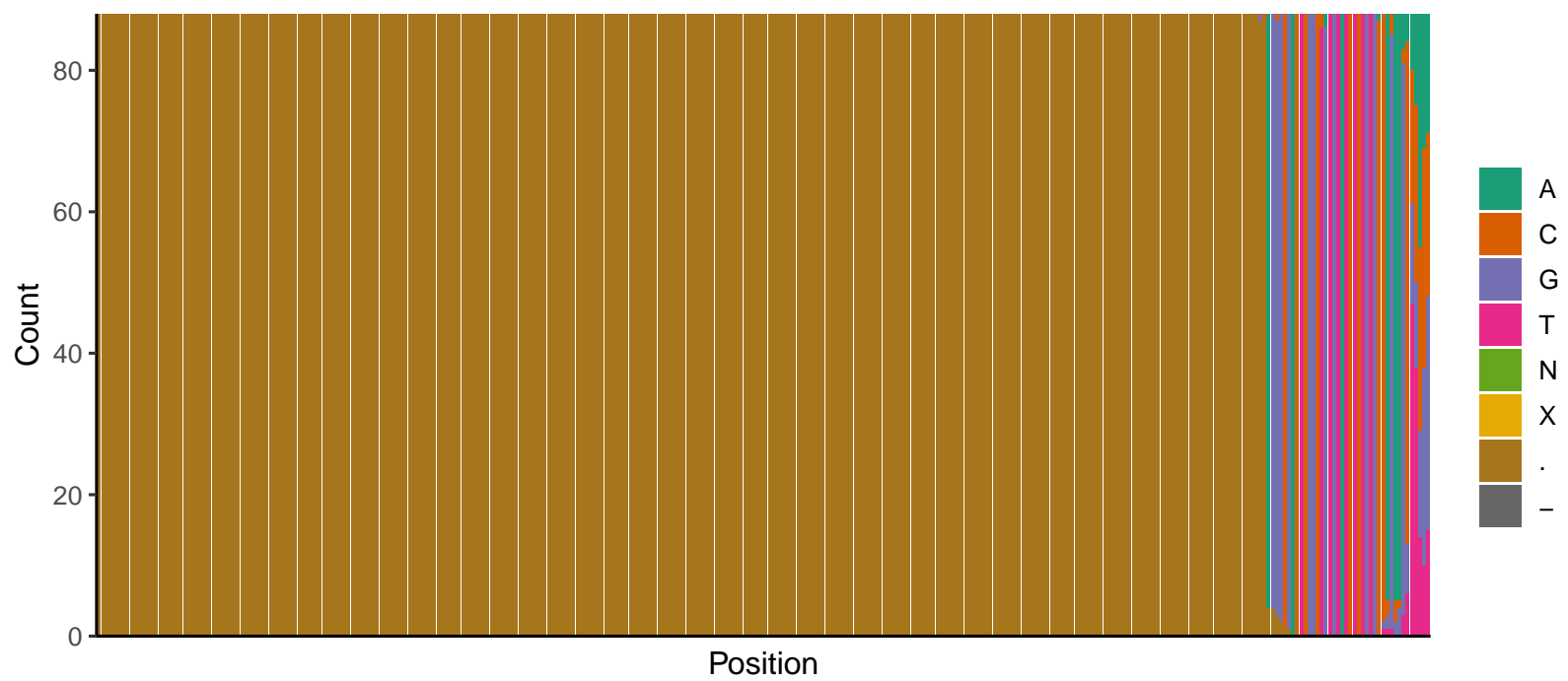
Gene TRBV7-1*ap01_G291C_T296C



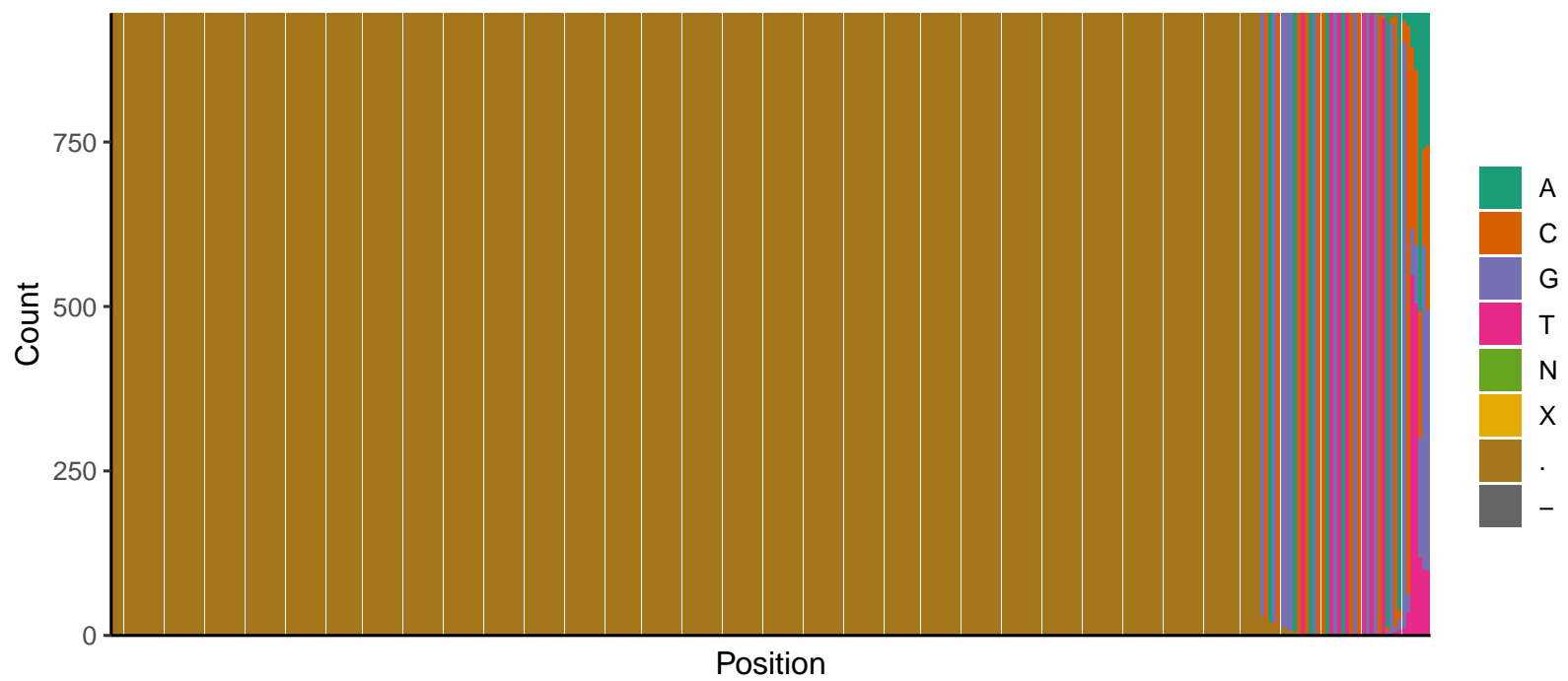
Gene TRBV7-7*ap01_C315T



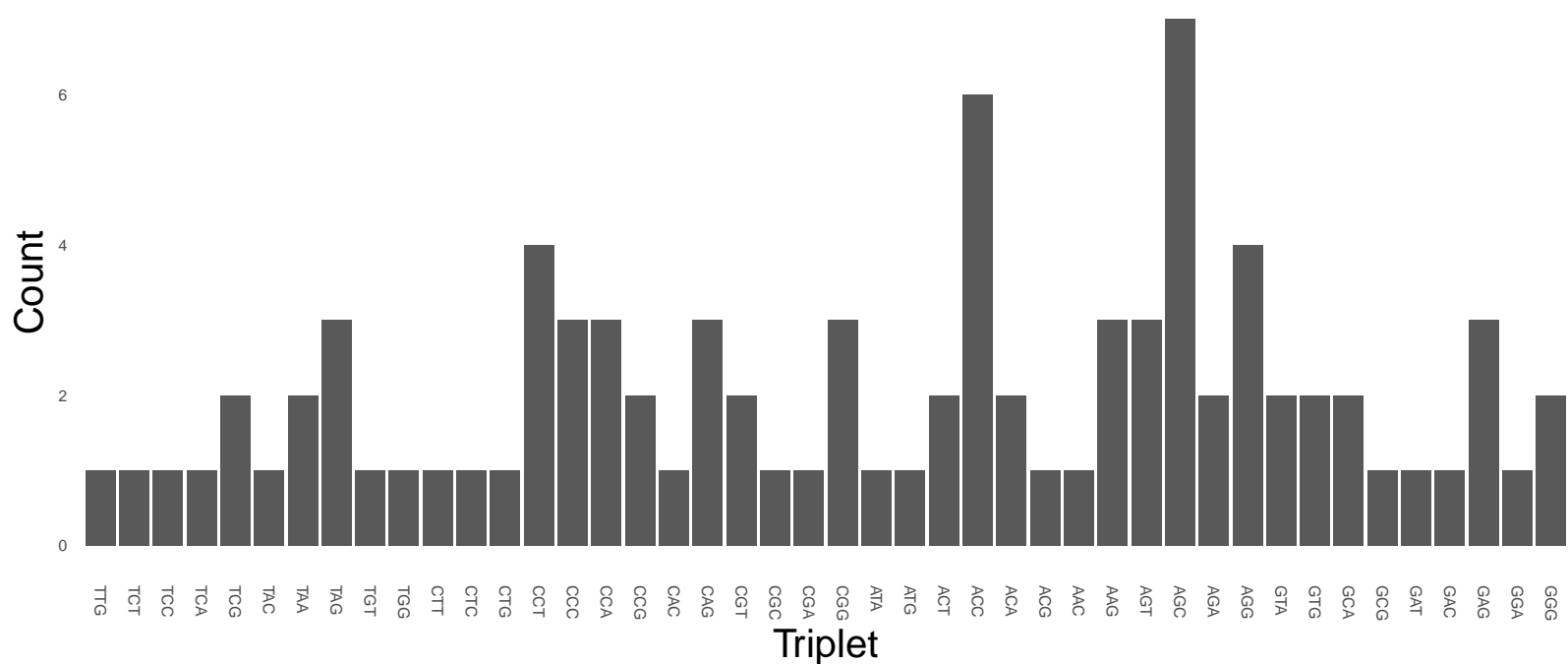
Gene TRBV7-1*ap01_G291C_T296C



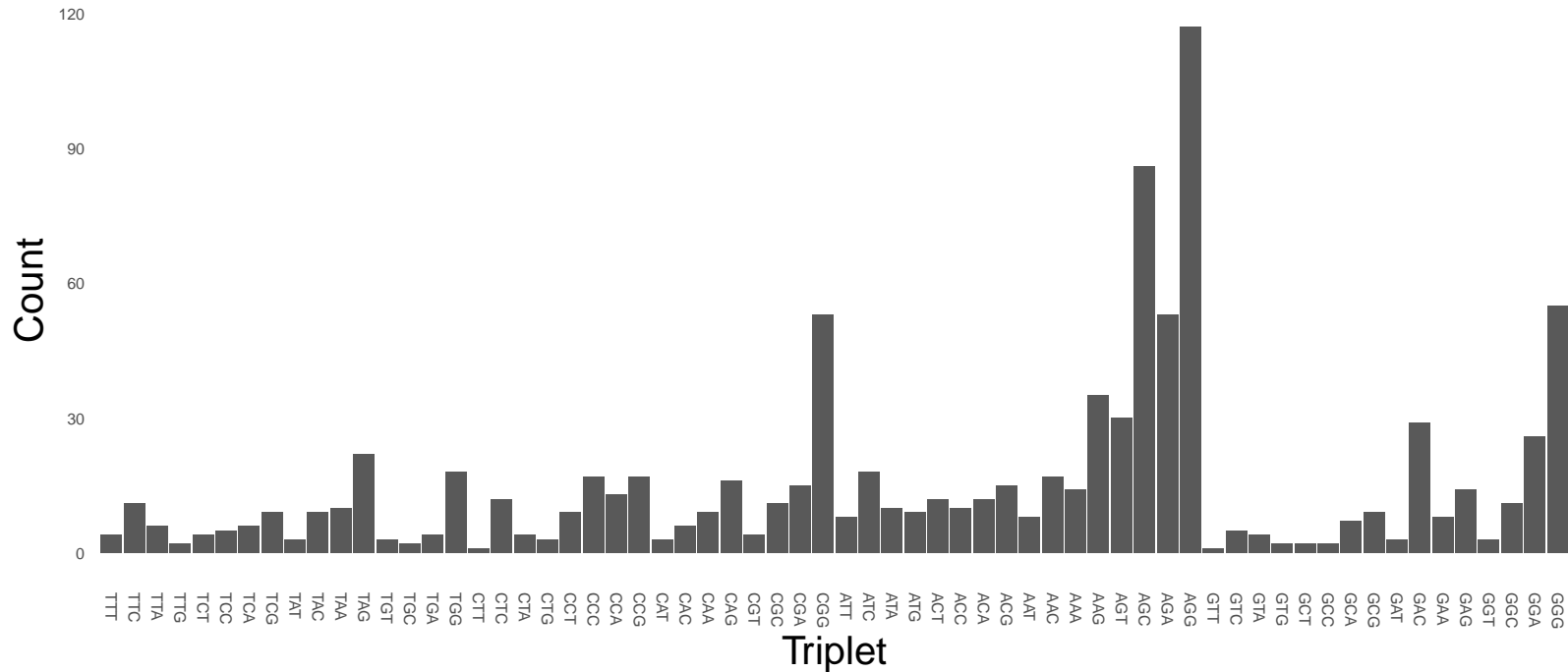
Gene TRBV7-7*ap01_C315T



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

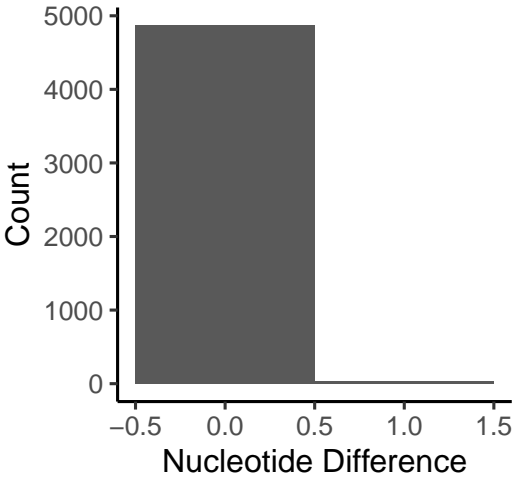


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



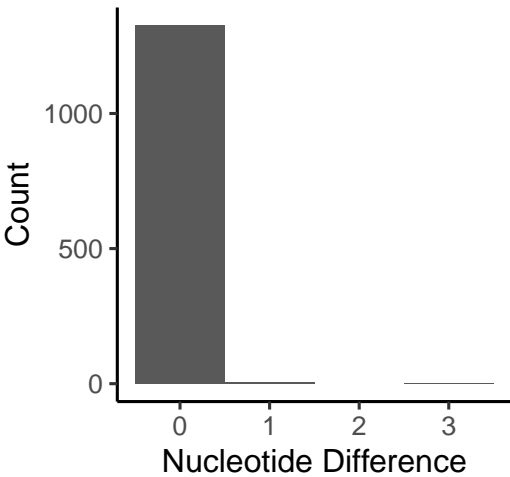
TRBV20-1*ap01

4905 sequences assigned
4869 (99.3%) exact matches, in which:
4843 unique CDR3
13 unique J



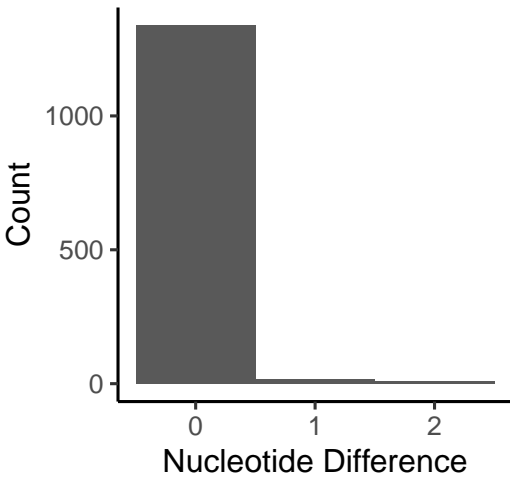
TRBV10-2*ap01

1332 sequences assigned
1326 (99.5%) exact matches, in which:
1318 unique CDR3
13 unique J



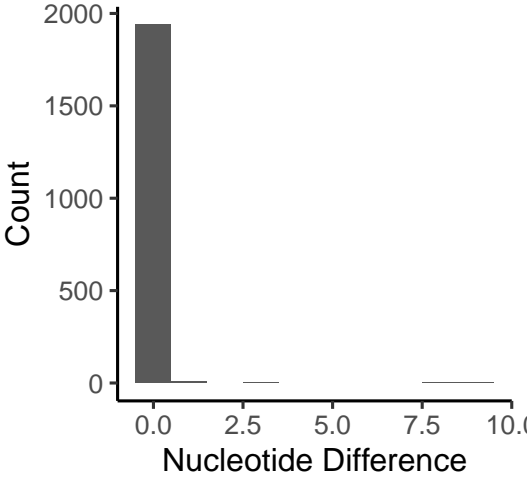
TRBV13*ap01

1366 sequences assigned
1338 (98%) exact matches, in which:
1327 unique CDR3
13 unique J



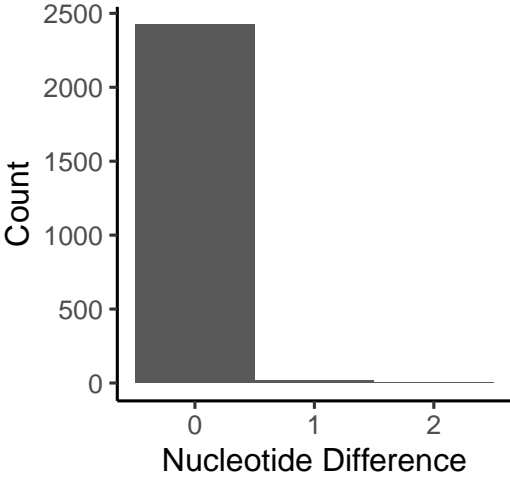
TRBV10-1*ap01

1949 sequences assigned
1939 (99.5%) exact matches, in which:
1927 unique CDR3
13 unique J



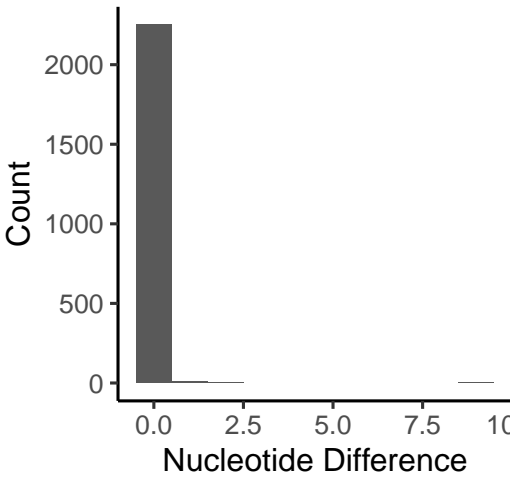
TRBV10-3*ap01

2442 sequences assigned
2423 (99.2%) exact matches, in which:
2402 unique CDR3
13 unique J



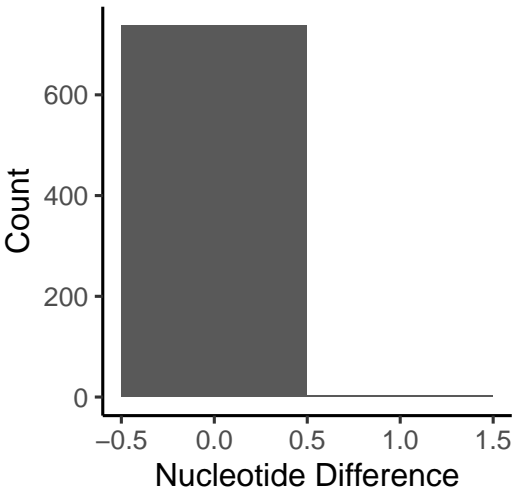
TRBV14*ap01

2260 sequences assigned
2251 (99.6%) exact matches, in which:
2247 unique CDR3
13 unique J



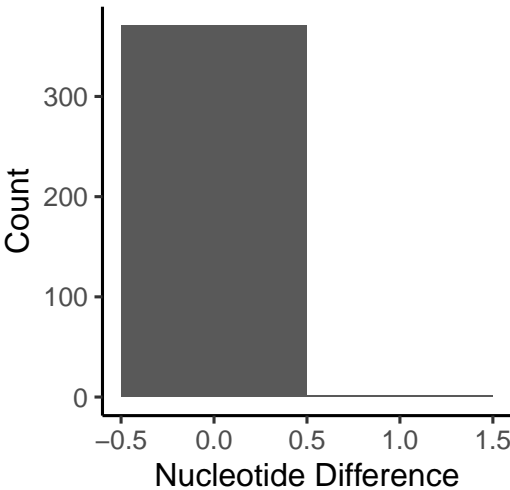
TRBV20-1*ap02

741 sequences assigned
738 (99.6%) exact matches, in which:
732 unique CDR3
13 unique J



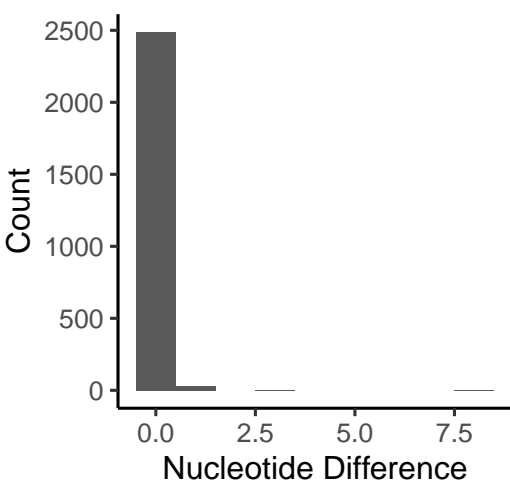
TRBV1*ap01

373 sequences assigned
371 (99.5%) exact matches, in which:
362 unique CDR3
13 unique J



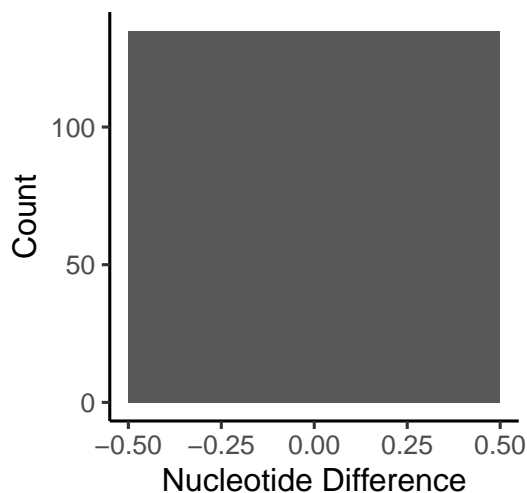
TRBV15*ap02

2519 sequences assigned
2488 (98.8%) exact matches, in which:
2469 unique CDR3
13 unique J



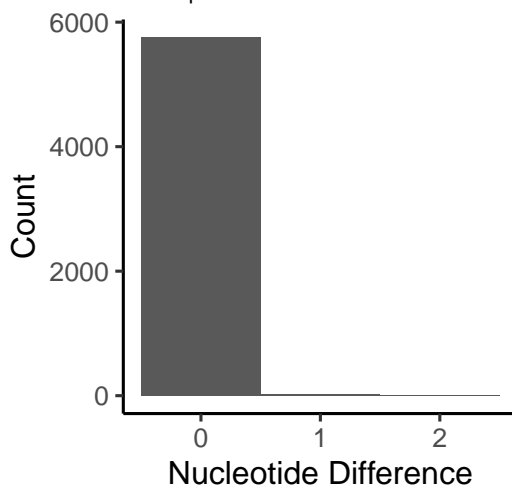
TRBV16*ap01

135 sequences assigned
135 (100%) exact matches, in which:
133 unique CDR3
12 unique J



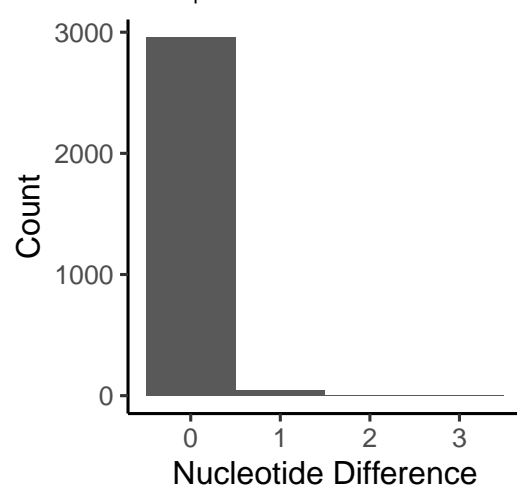
TRBV2*ap01

5789 sequences assigned
5755 (99.4%) exact matches, in which:
5718 unique CDR3
13 unique J



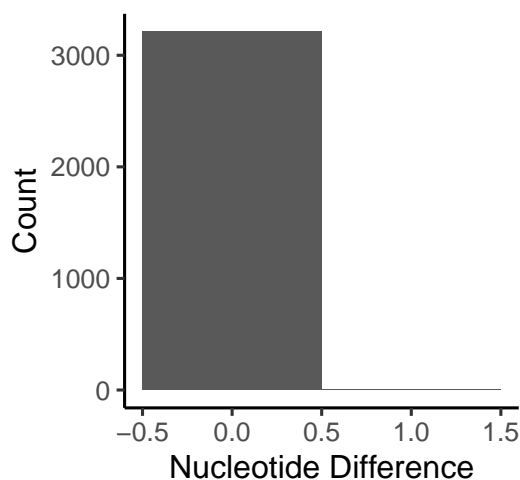
TRBV30*ap01

3002 sequences assigned
2957 (98.5%) exact matches, in which:
2920 unique CDR3
13 unique J



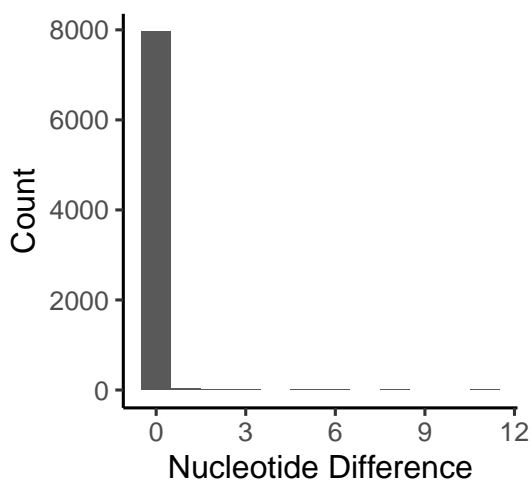
TRBV18*ap01

3217 sequences assigned
3211 (99.8%) exact matches, in which:
3201 unique CDR3
13 unique J



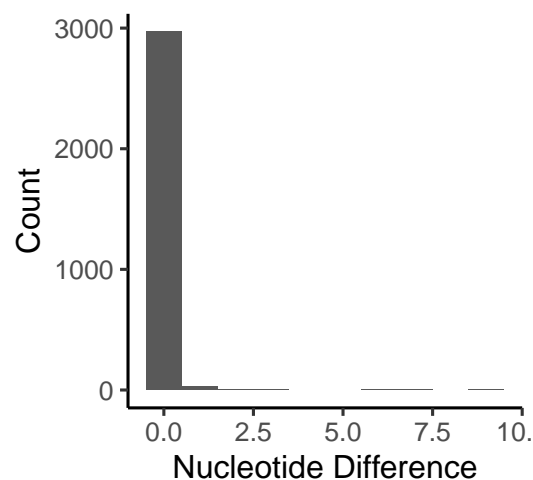
TRBV27*ap01

7999 sequences assigned
7958 (99.5%) exact matches, in which:
7924 unique CDR3
13 unique J



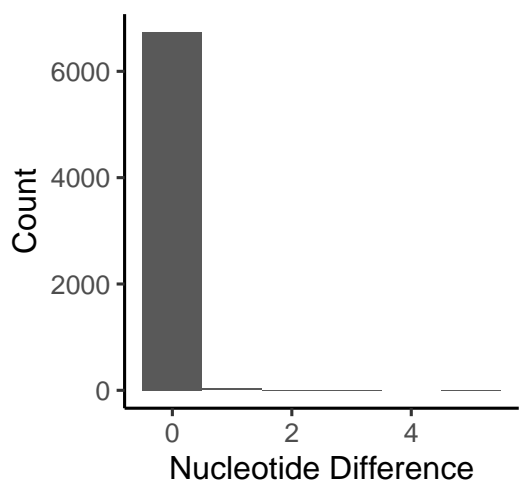
TRBV30*ap02

3009 sequences assigned
2970 (98.7%) exact matches, in which:
2922 unique CDR3
13 unique J



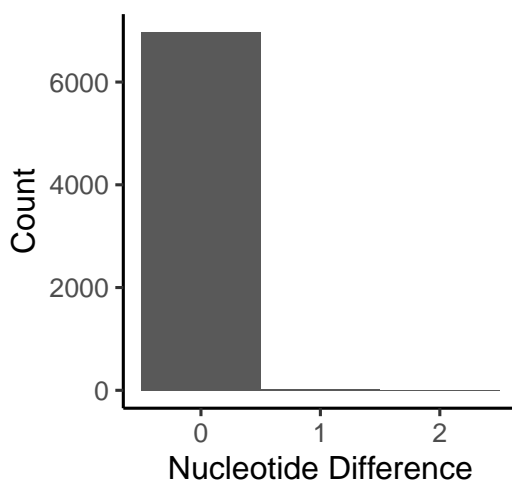
TRBV19*ap01

6776 sequences assigned
6739 (99.5%) exact matches, in which:
6724 unique CDR3
13 unique J



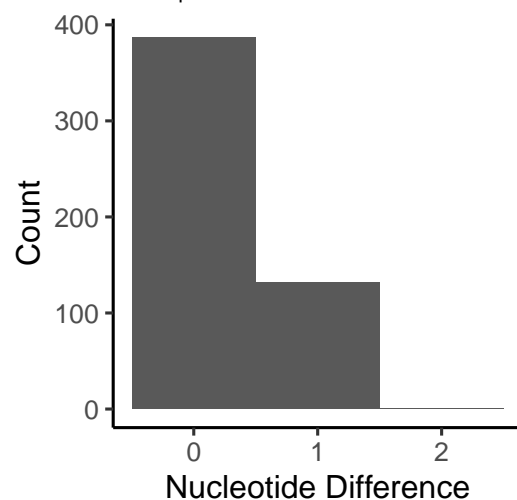
TRBV28*ap01

7005 sequences assigned
6973 (99.5%) exact matches, in which:
6946 unique CDR3
13 unique J



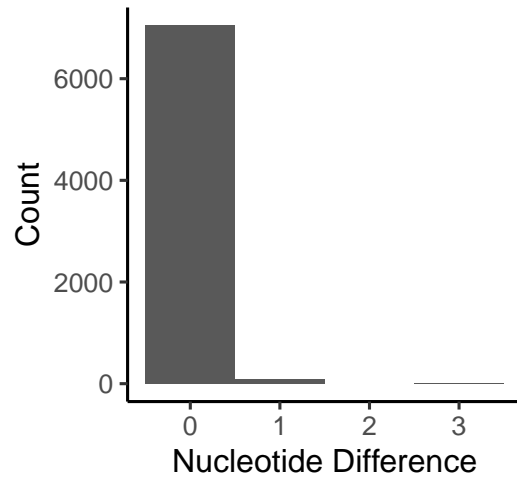
TRBV30*ap03

520 sequences assigned
387 (74.4%) exact matches, in which:
380 unique CDR3
13 unique J



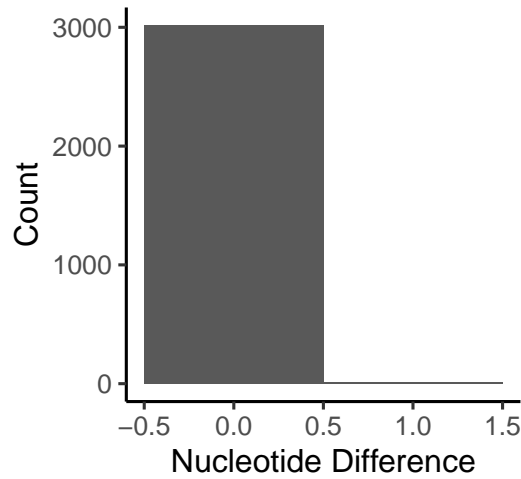
TRBV9*ap01

7131 sequences assigned
7048 (98.8%) exact matches, in which:
7014 unique CDR3
13 unique J



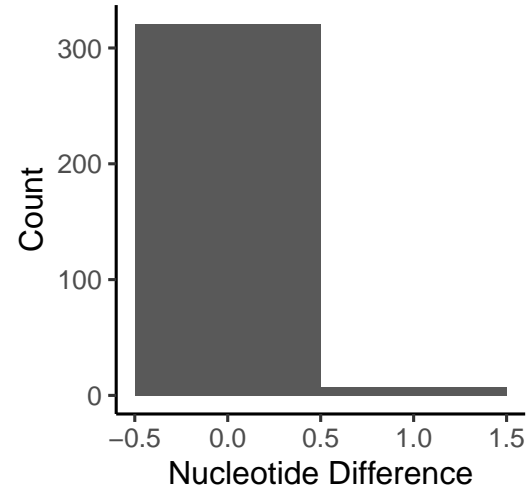
TRBV11-2*ap01

3026 sequences assigned
3016 (99.7%) exact matches, in which:
3010 unique CDR3
13 unique J



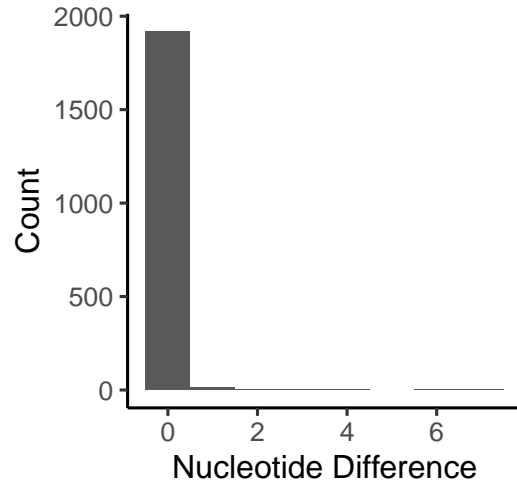
TRBV12-2*ap01

328 sequences assigned
321 (97.9%) exact matches, in which:
317 unique CDR3
13 unique J



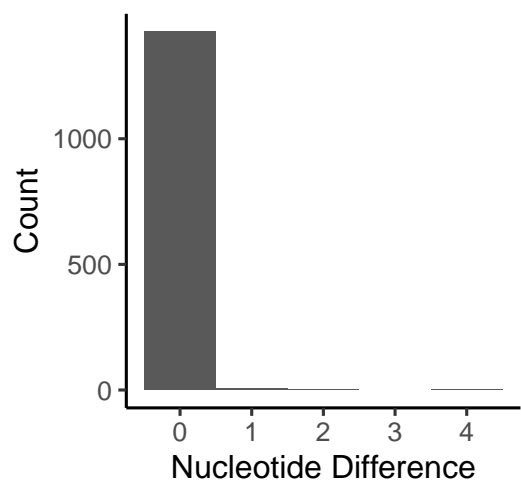
TRBV21-1*ap01

1945 sequences assigned
1917 (98.6%) exact matches, in which:
1914 unique CDR3
13 unique J



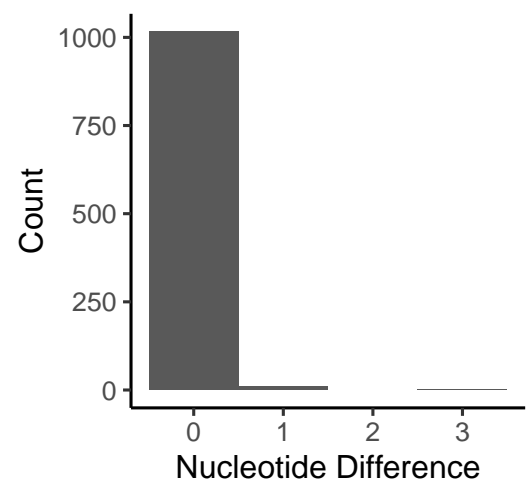
TRBV11-3*ap01

1434 sequences assigned
1426 (99.4%) exact matches, in which:
1421 unique CDR3
13 unique J



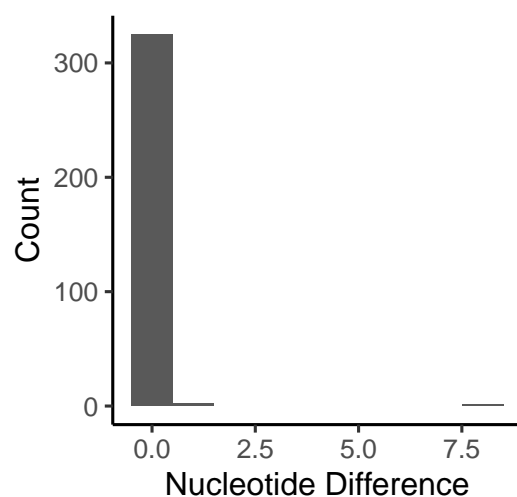
TRBV12-5*ap01

1028 sequences assigned
1016 (98.8%) exact matches, in which:
1010 unique CDR3
13 unique J



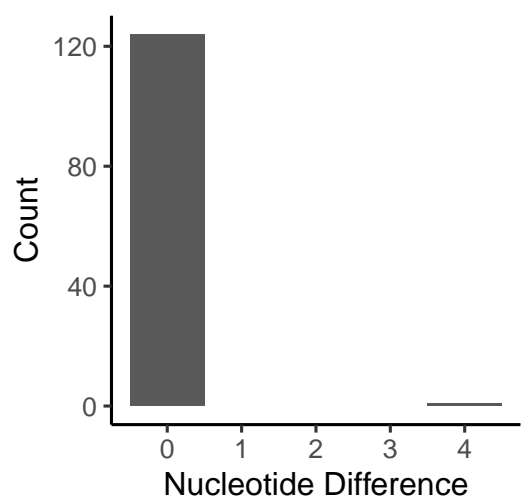
TRBV11-1*ap01

328 sequences assigned
325 (99.1%) exact matches, in which:
324 unique CDR3
13 unique J



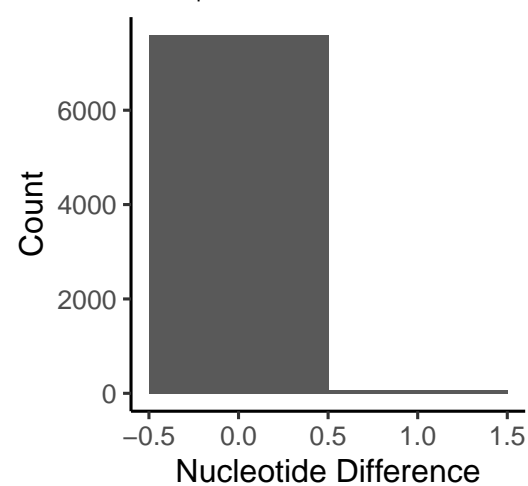
TRBV12-1*ap01

125 sequences assigned
124 (99.2%) exact matches, in which:
122 unique CDR3
13 unique J



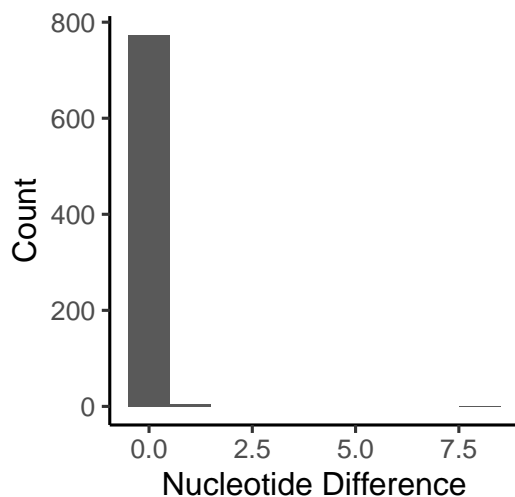
TRBV12-34*ap01

7661 sequences assigned
7593 (99.1%) exact matches, in which:
7548 unique CDR3
13 unique J



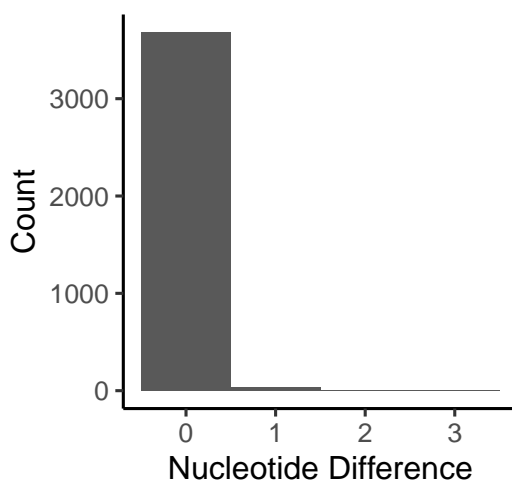
TRBV23-1*ap01

780 sequences assigned
774 (99.2%) exact matches, in which:
770 unique CDR3
13 unique J



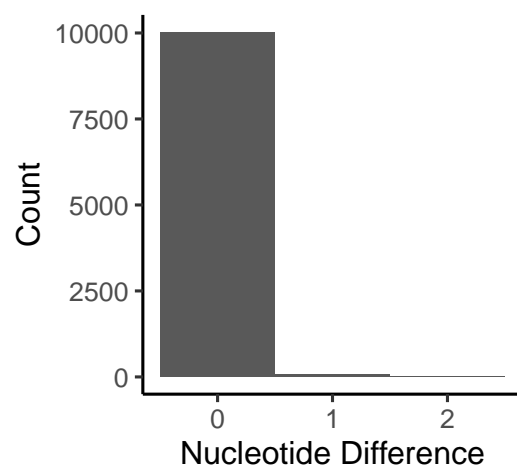
TRBV24-1*ap01

3724 sequences assigned
3681 (98.8%) exact matches, in which:
3643 unique CDR3
13 unique J



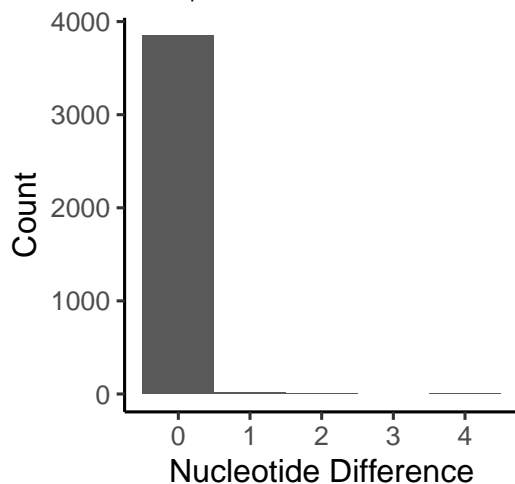
TRBV5-1*ap01

10105 sequences assigned
10024 (99.2%) exact matches, in which:
9948 unique CDR3
13 unique J



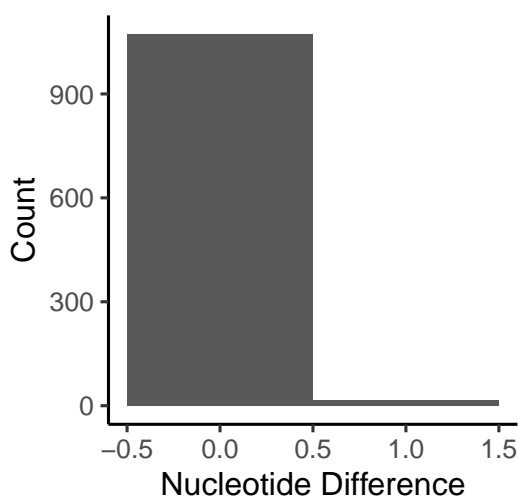
TRBV3-12*ap01

3867 sequences assigned
3848 (99.5%) exact matches, in which:
3837 unique CDR3
13 unique J



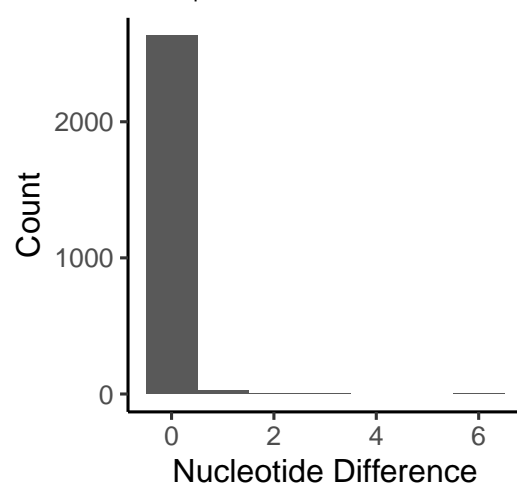
TRBV4-2*ap01

1088 sequences assigned
1073 (98.6%) exact matches, in which:
1063 unique CDR3
13 unique J



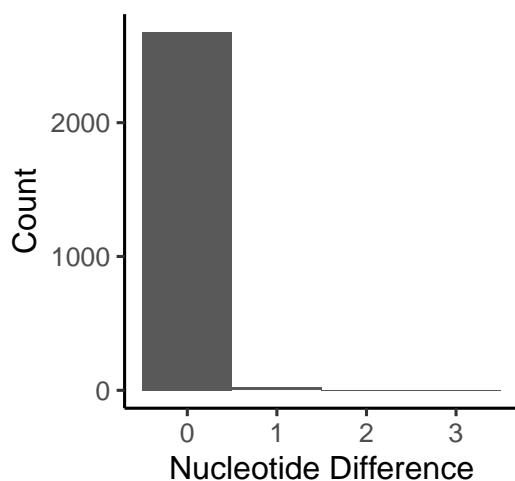
TRBV25-1*ap01

2663 sequences assigned
2632 (98.8%) exact matches, in which:
2597 unique CDR3
13 unique J



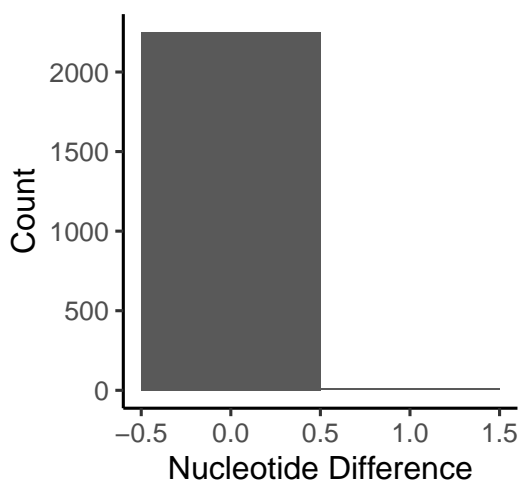
TRBV4-1*ap01

2699 sequences assigned
2677 (99.2%) exact matches, in which:
2652 unique CDR3
13 unique J



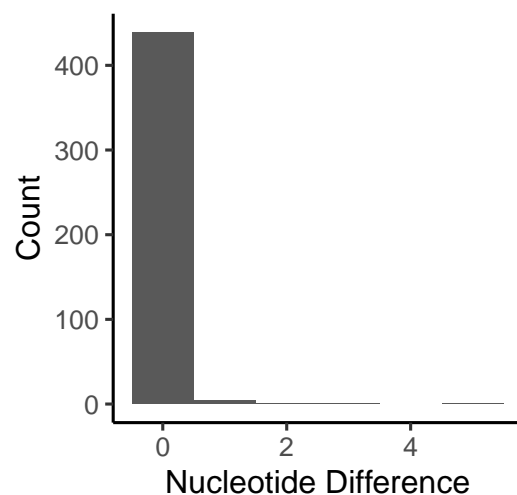
TRBV4-3*ap01

2262 sequences assigned
2251 (99.5%) exact matches, in which:
2234 unique CDR3
13 unique J



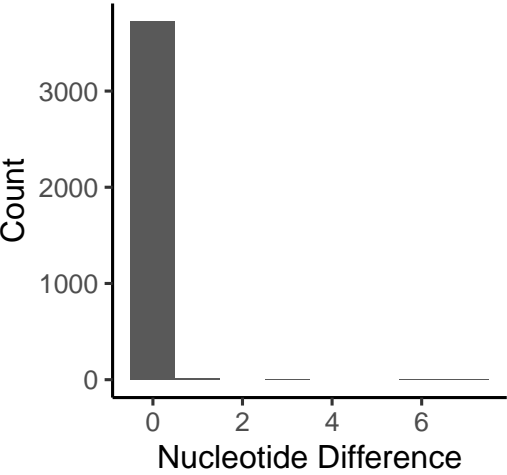
TRBV5-3*ap01

446 sequences assigned
439 (98.4%) exact matches, in which:
437 unique CDR3
13 unique J



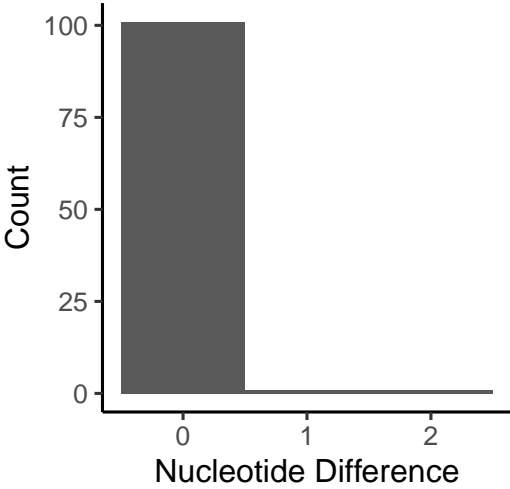
TRBV5-4*ap01

3747 sequences assigned
3724 (99.4%) exact matches, in which:
3700 unique CDR3
13 unique J



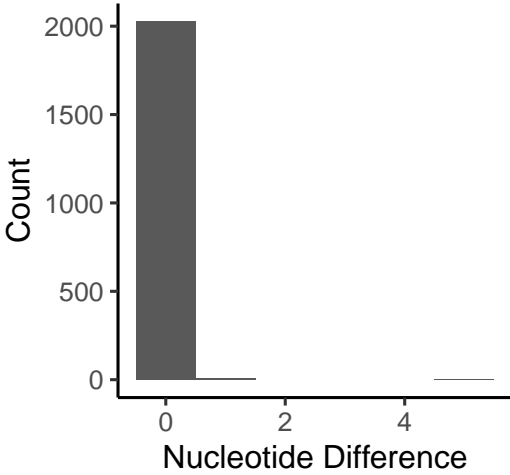
TRBV5-7*ap01

103 sequences assigned
101 (98.1%) exact matches, in which:
100 unique CDR3
13 unique J



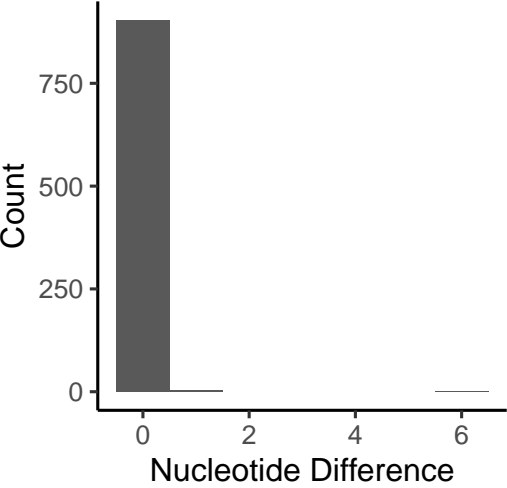
TRBV6-4*ap01

2038 sequences assigned
2027 (99.5%) exact matches, in which:
2024 unique CDR3
13 unique J



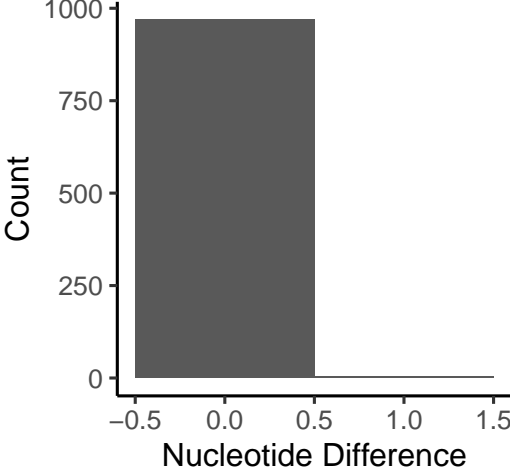
TRBV5-5*ap01

909 sequences assigned
904 (99.4%) exact matches, in which:
904 unique CDR3
13 unique J



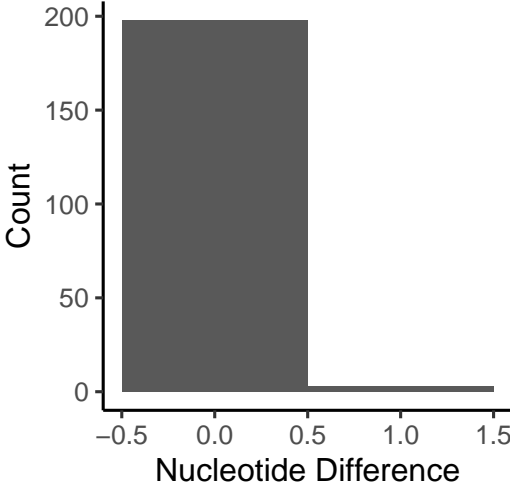
TRBV5-8*ap01

973 sequences assigned
969 (99.6%) exact matches, in which:
963 unique CDR3
13 unique J



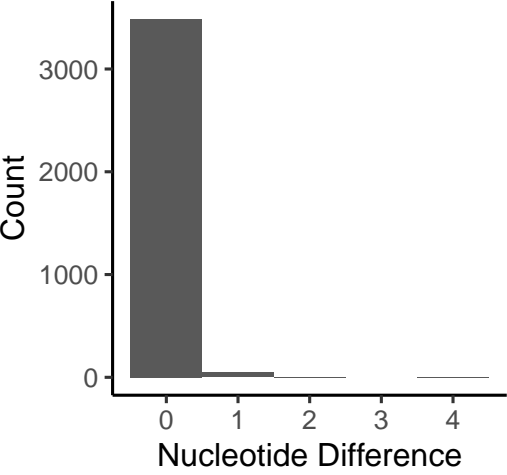
TRBV6-7*ap01

201 sequences assigned
198 (98.5%) exact matches, in which:
197 unique CDR3
13 unique J



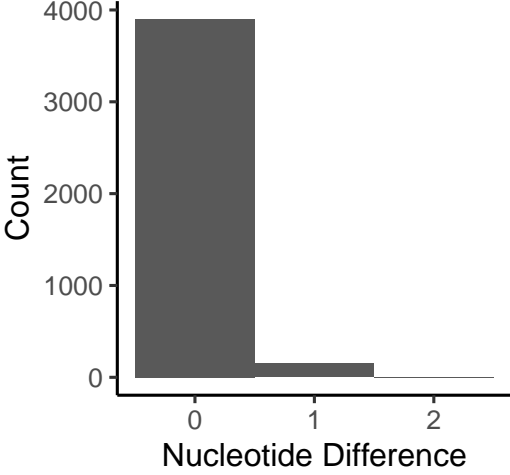
TRBV5-6*ap01

3538 sequences assigned
3486 (98.5%) exact matches, in which:
3457 unique CDR3
13 unique J



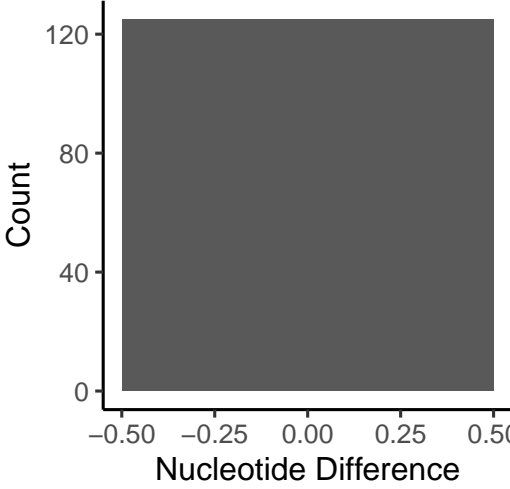
TRBV6-1*ap01

4055 sequences assigned
3901 (96.2%) exact matches, in which:
3866 unique CDR3
13 unique J



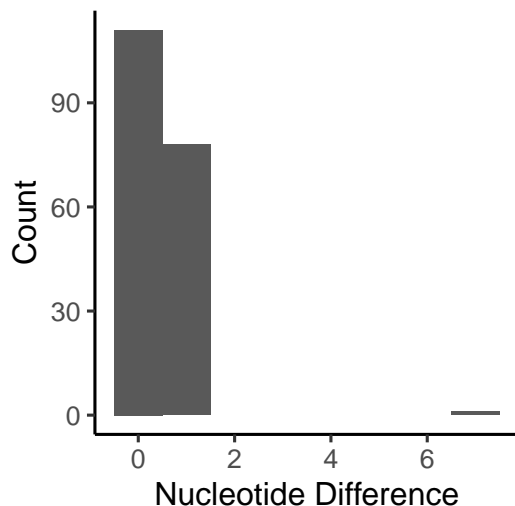
TRBV6-8*ap01

125 sequences assigned
125 (100%) exact matches, in which:
124 unique CDR3
13 unique J



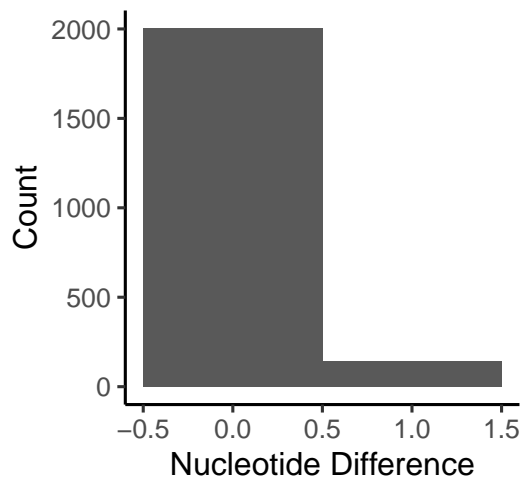
TRBV6–9*ap01

190 sequences assigned
111 (58.4%) exact matches, in which:
111 unique CDR3
13 unique J



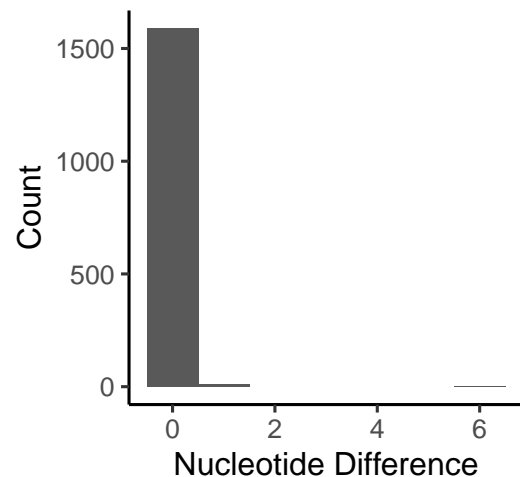
TRBV6–56*ap02

2145 sequences assigned
2003 (93.4%) exact matches, in which:
1986 unique CDR3
13 unique J



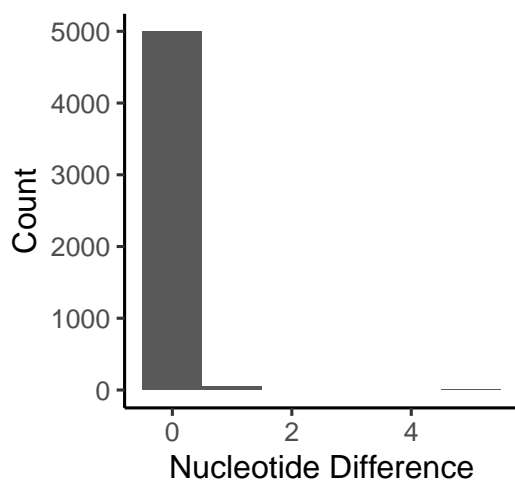
TRBV7–3*ap01

1600 sequences assigned
1589 (99.3%) exact matches, in which:
1582 unique CDR3
13 unique J



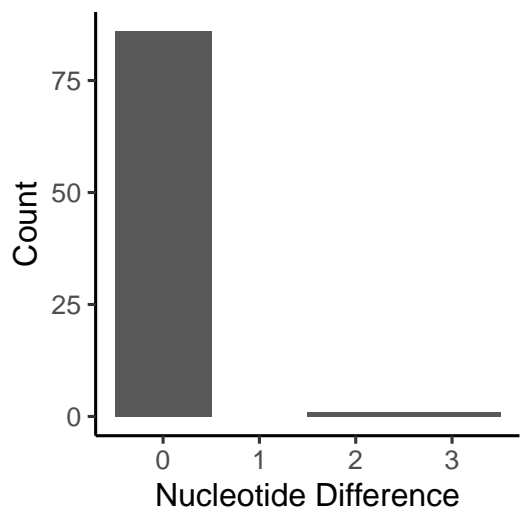
TRBV6–23*ap01

5040 sequences assigned
4994 (99.1%) exact matches, in which:
4931 unique CDR3
13 unique J



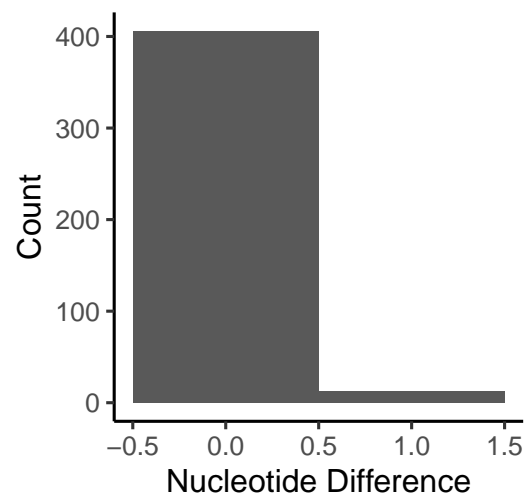
TRBV7–1*ap01_G291C_T

88 sequences assigned
86 (97.7%) exact matches, in which:
86 unique CDR3
13 unique J



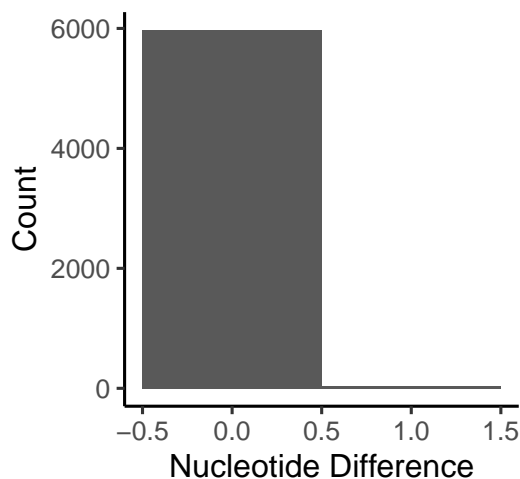
TRBV7–3*ap02

419 sequences assigned
406 (96.9%) exact matches, in which:
405 unique CDR3
13 unique J



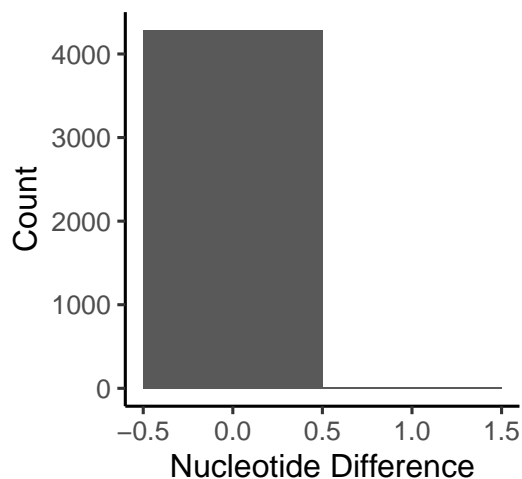
TRBV6–56*ap01

6007 sequences assigned
5973 (99.4%) exact matches, in which:
5893 unique CDR3
13 unique J



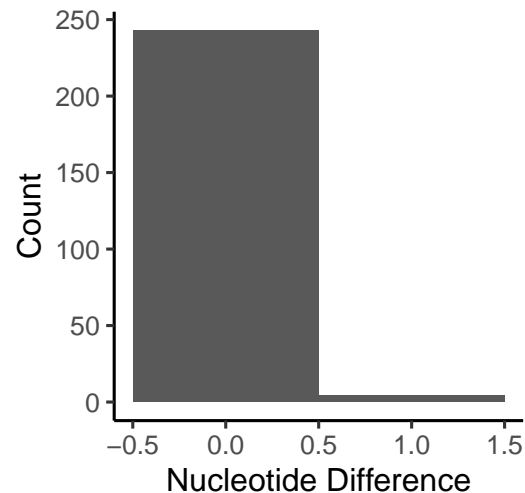
TRBV7–2*ap01

4302 sequences assigned
4286 (99.6%) exact matches, in which:
4264 unique CDR3
13 unique J



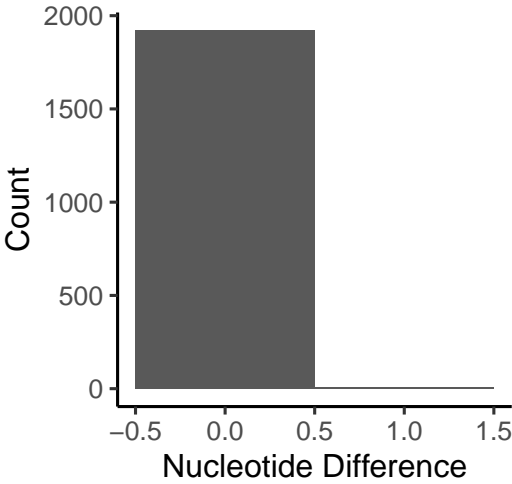
TRBV7–4*ap01

247 sequences assigned
243 (98.4%) exact matches, in which:
240 unique CDR3
13 unique J



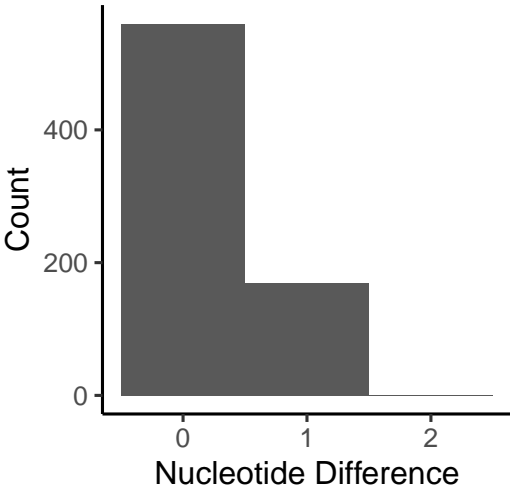
TRBV7-6*ap01

1927 sequences assigned
1921 (99.7%) exact matches, in which:
1910 unique CDR3
13 unique J



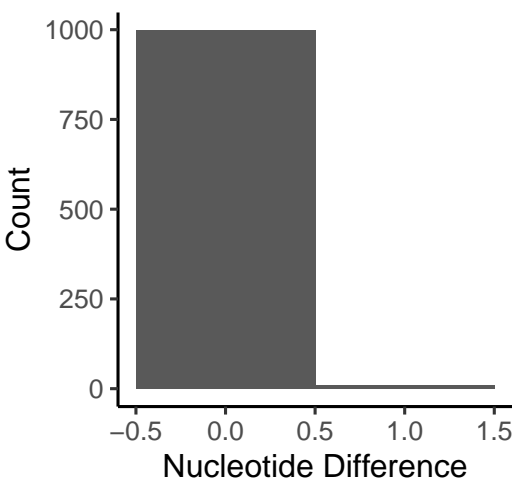
TRBV7-8*ap03

730 sequences assigned
560 (76.7%) exact matches, in which:
560 unique CDR3
13 unique J



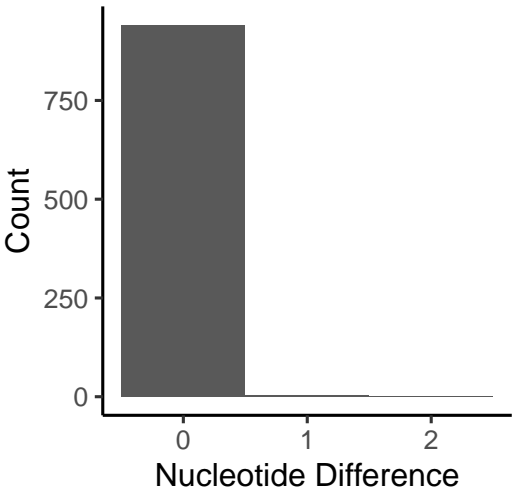
TRBV29-1*ap02

1009 sequences assigned
998 (98.9%) exact matches, in which:
984 unique CDR3
13 unique J



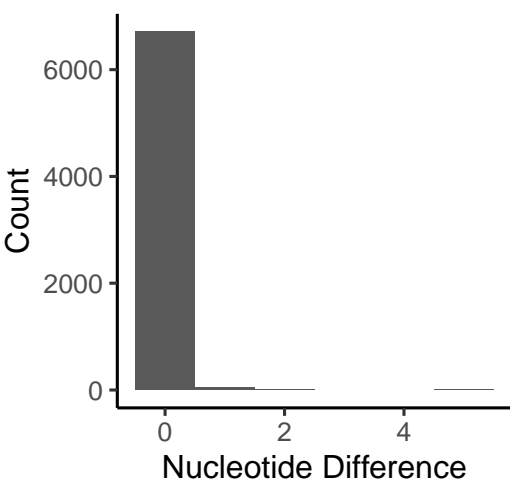
TRBV7-7*ap01_C315T

946 sequences assigned
941 (99.5%) exact matches, in which:
934 unique CDR3
13 unique J



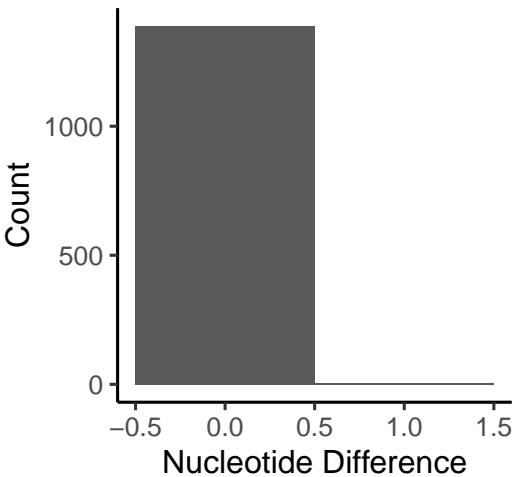
TRBV7-9*ap01

6762 sequences assigned
6710 (99.2%) exact matches, in which:
6674 unique CDR3
13 unique J



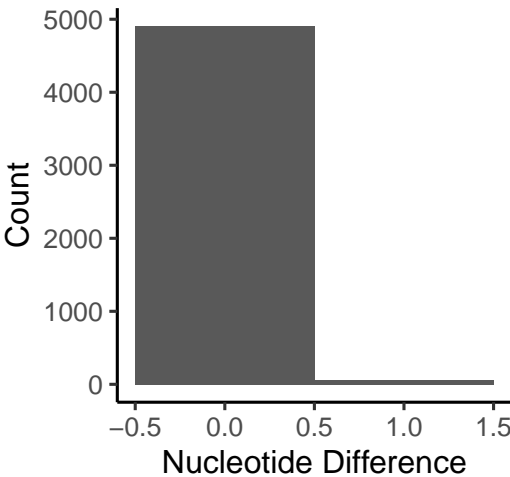
TRBV7-8*ap01

1394 sequences assigned
1388 (99.6%) exact matches, in which:
1381 unique CDR3
13 unique J

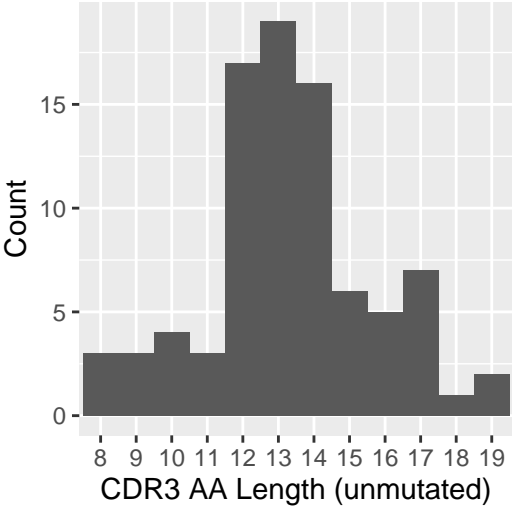


TRBV29-1*ap01

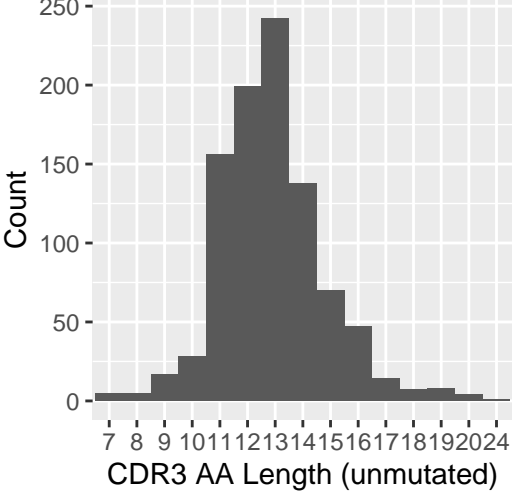
4966 sequences assigned
4907 (98.8%) exact matches, in which:
4829 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]