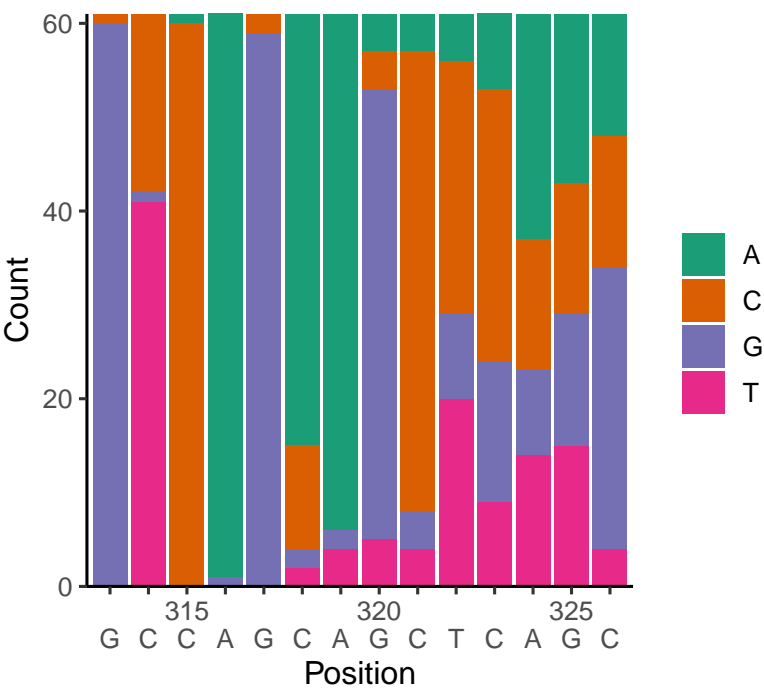
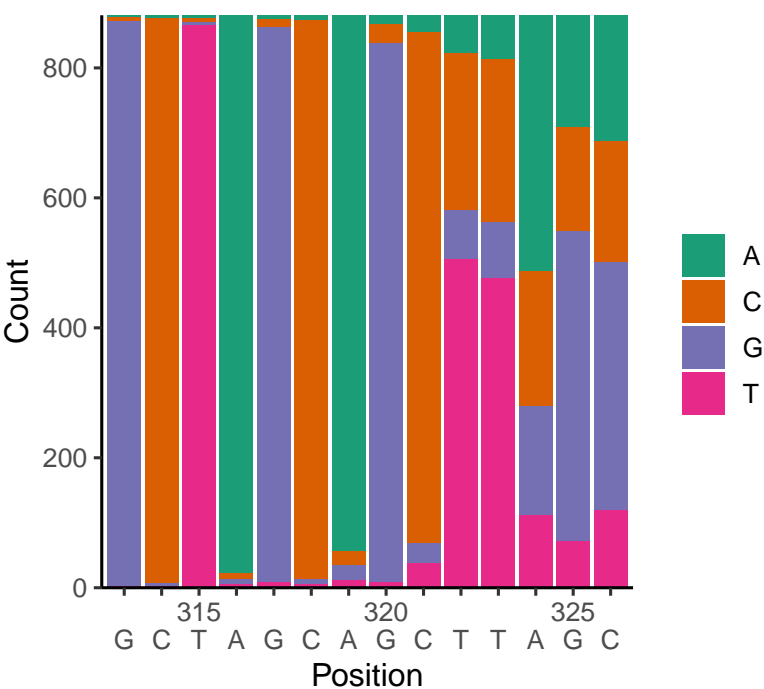


Gene TRBV7-1*ap01_T296C



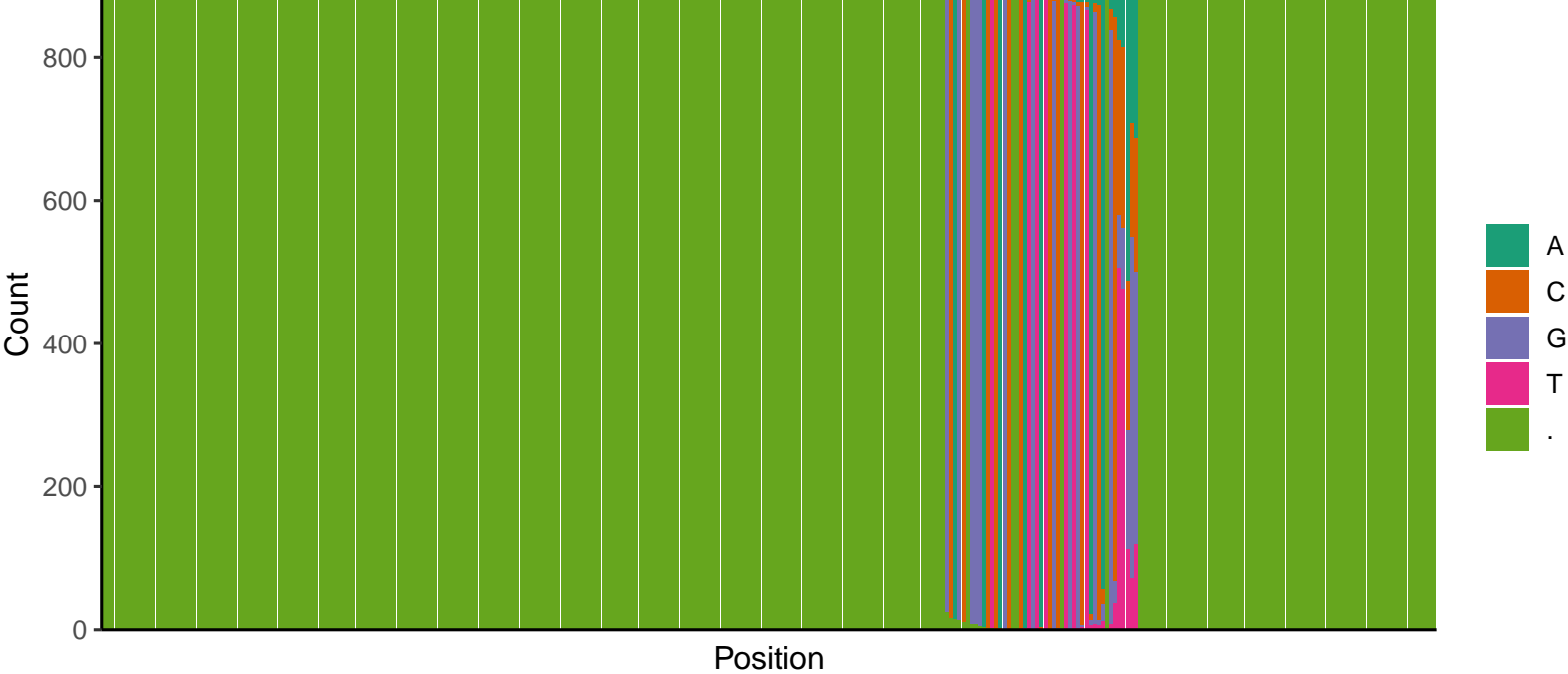
Gene TRBV7-7*ap01_C315T



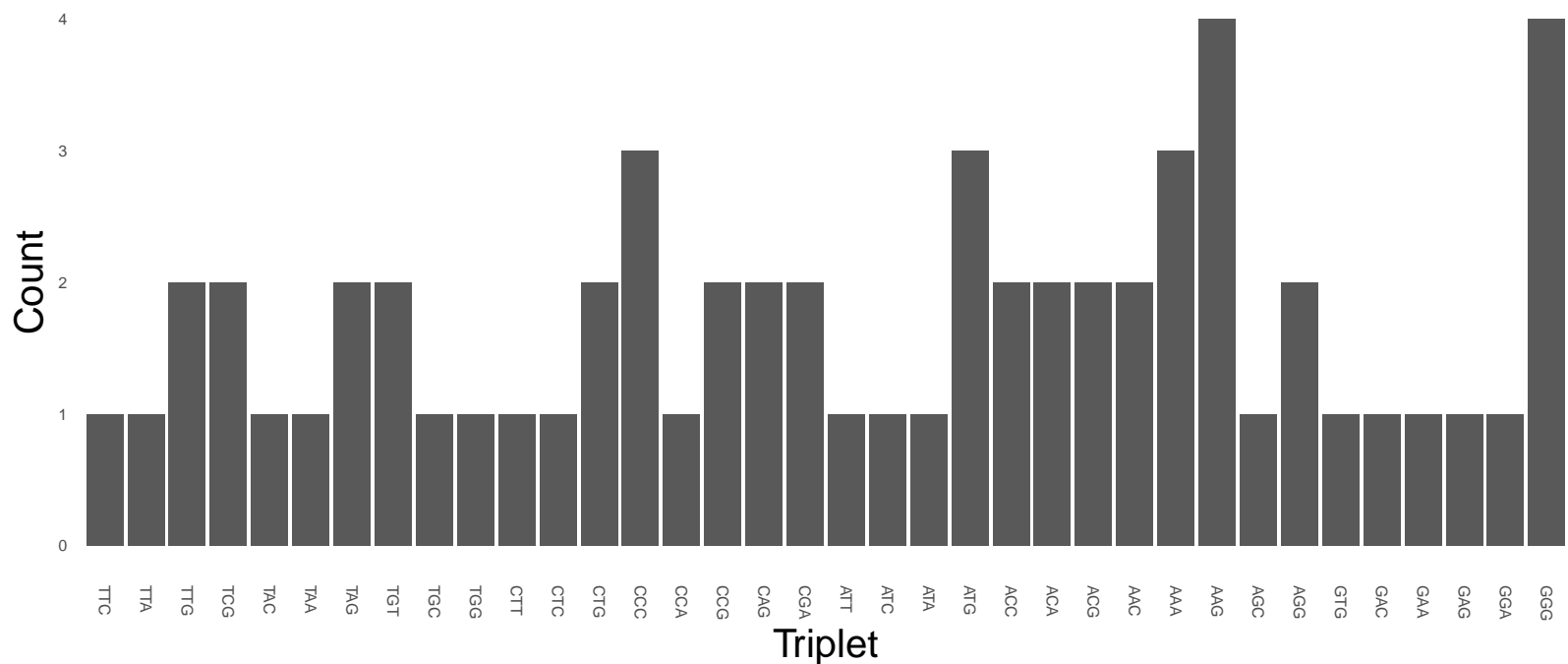
Gene TRBV7-1*ap01_T296C



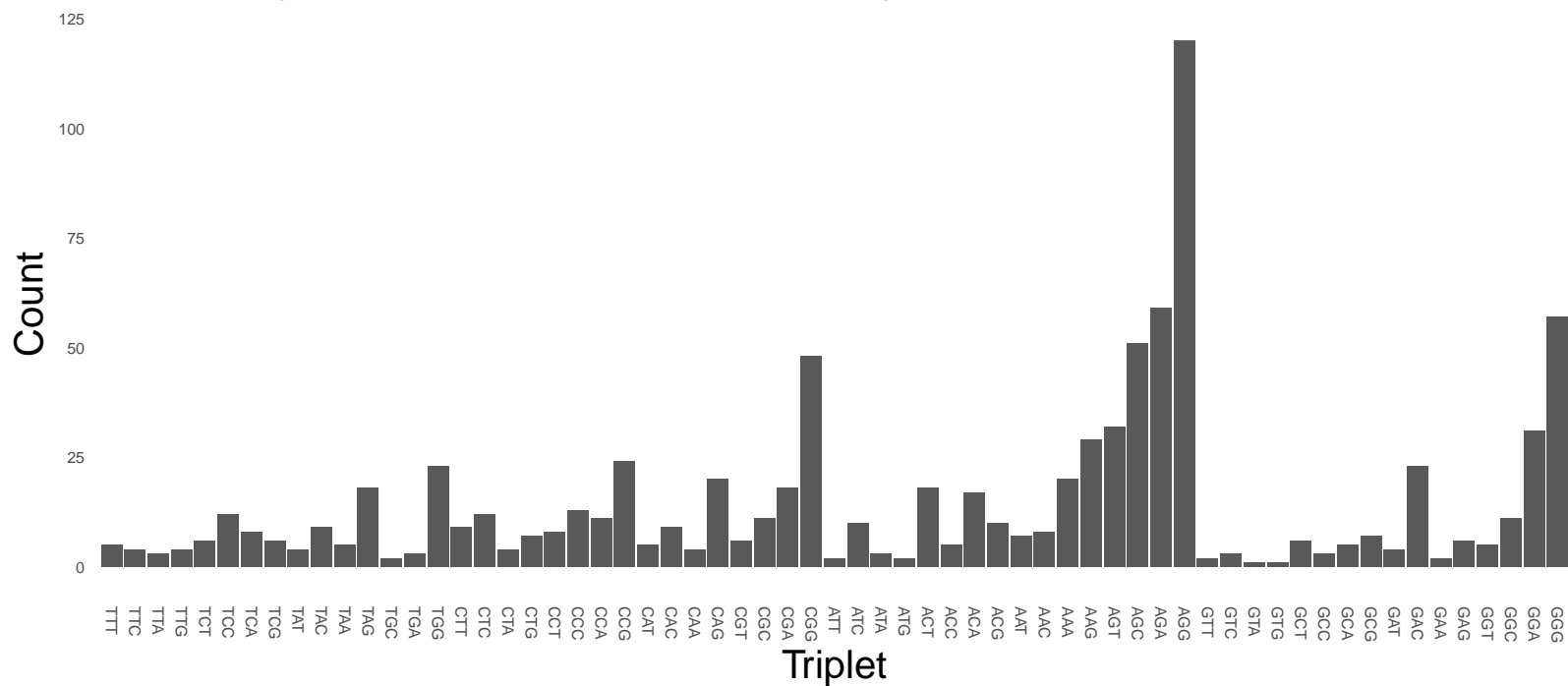
Gene TRBV7-7*ap01_C315T



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

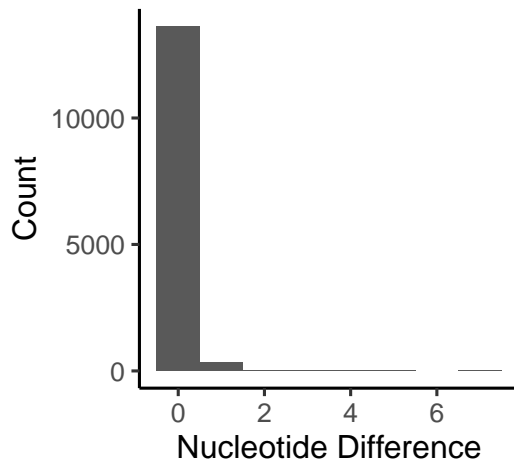


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



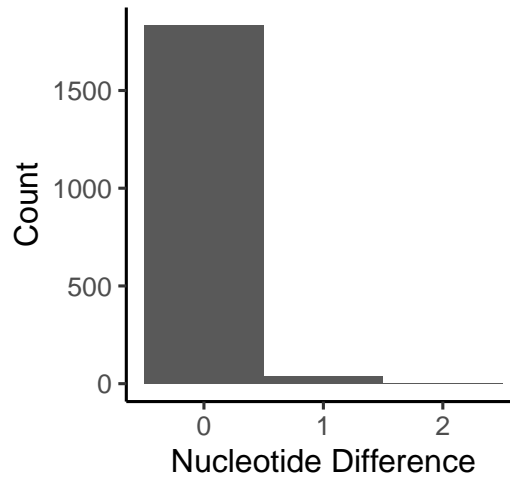
TRBV20-1*ap01

13977 sequences assigned
13631 (97.5%) exact matches, in which:
13578 unique CDR3
13 unique J



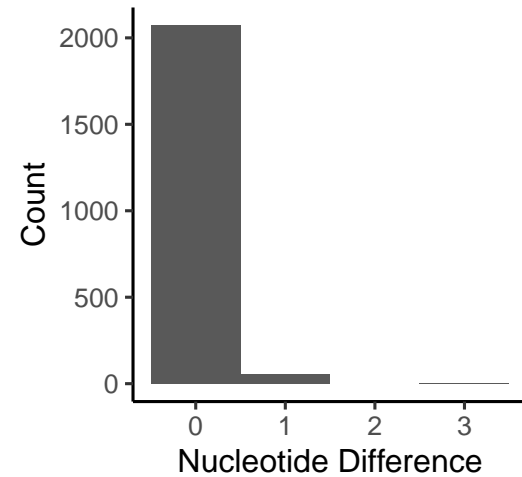
TRBV10-3*ap01

1873 sequences assigned
1833 (97.9%) exact matches, in which:
1828 unique CDR3
13 unique J



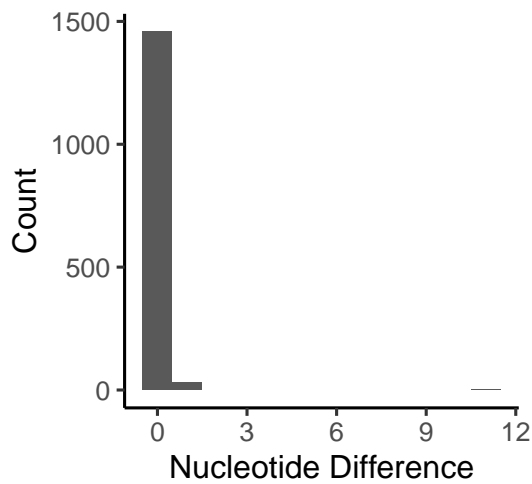
TRBV14*ap01

2126 sequences assigned
2072 (97.5%) exact matches, in which:
2064 unique CDR3
13 unique J



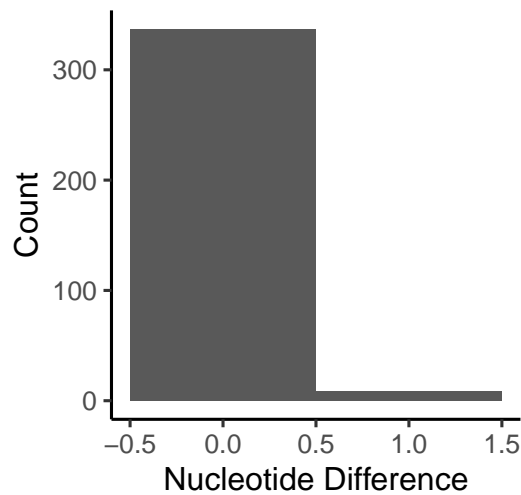
TRBV10-1*ap01

1492 sequences assigned
1458 (97.7%) exact matches, in which:
1455 unique CDR3
14 unique J



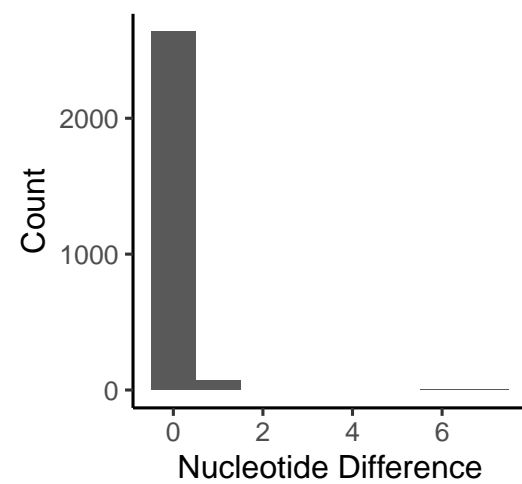
TRBV1*ap01

346 sequences assigned
337 (97.4%) exact matches, in which:
332 unique CDR3
13 unique J



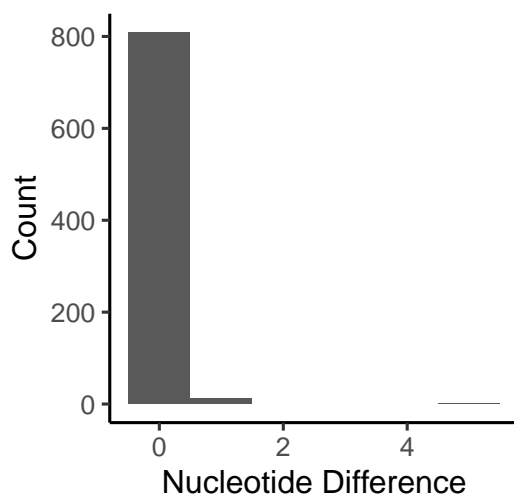
TRBV15*ap02

2707 sequences assigned
2637 (97.4%) exact matches, in which:
2615 unique CDR3
13 unique J



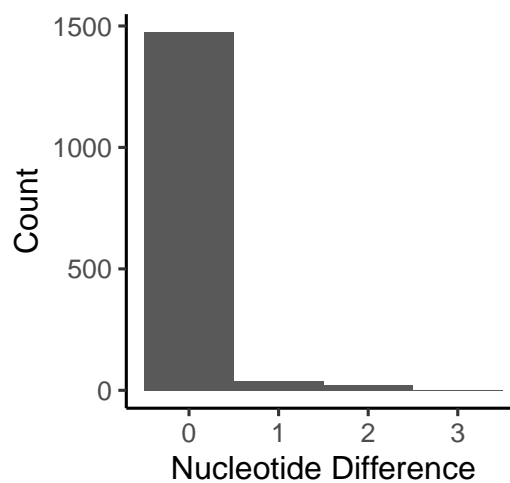
TRBV10-2*ap01

823 sequences assigned
809 (98.3%) exact matches, in which:
808 unique CDR3
13 unique J



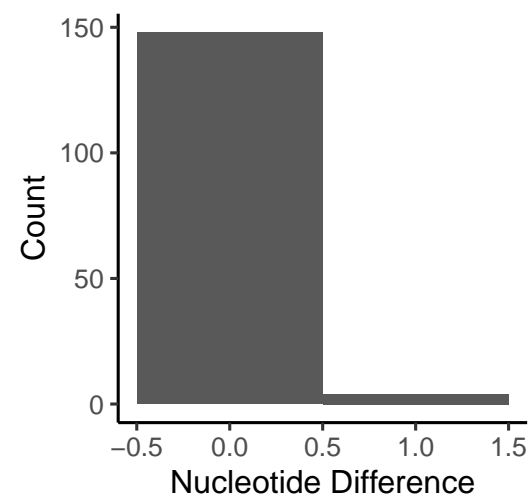
TRBV13*ap01

1538 sequences assigned
1475 (95.9%) exact matches, in which:
1451 unique CDR3
13 unique J



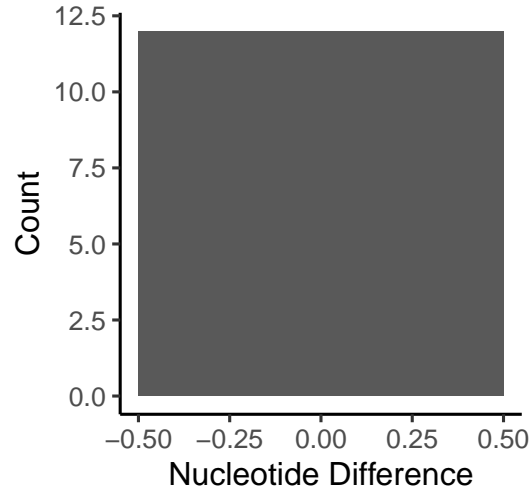
TRBV16*ap01

152 sequences assigned
148 (97.4%) exact matches, in which:
147 unique CDR3
13 unique J



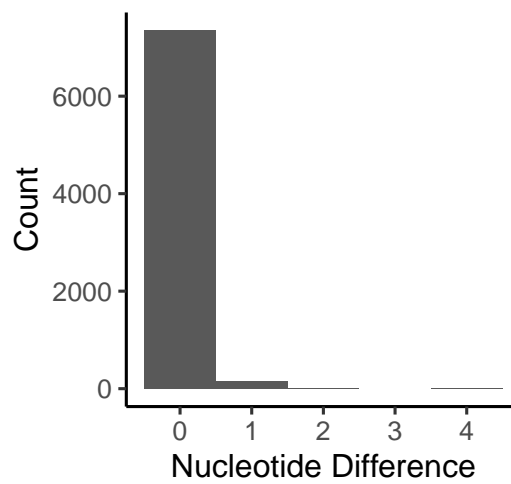
TRBV17*ap01

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



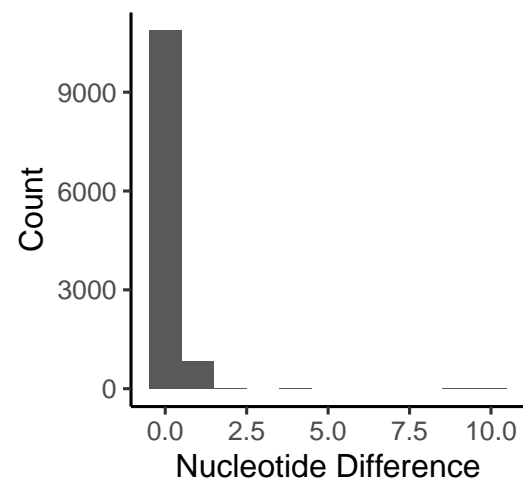
TRBV2*ap01

7508 sequences assigned
7349 (97.9%) exact matches, in which:
7318 unique CDR3
13 unique J



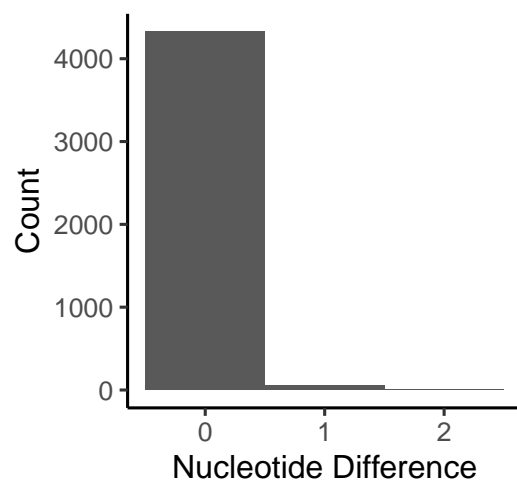
TRBV30*ap01

11715 sequences assigned
10876 (92.8%) exact matches, in which:
10651 unique CDR3
13 unique J



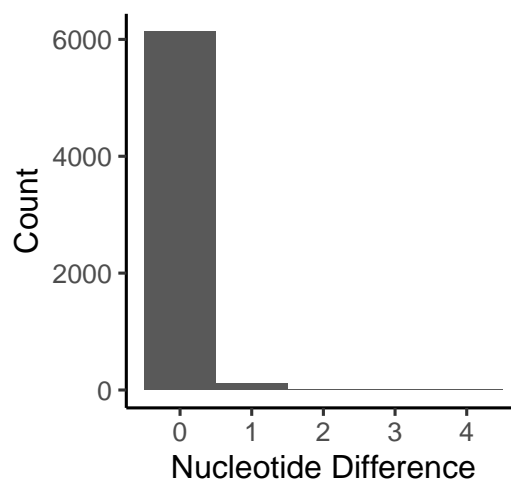
TRBV18*ap01

4377 sequences assigned
4326 (98.8%) exact matches, in which:
4307 unique CDR3
13 unique J



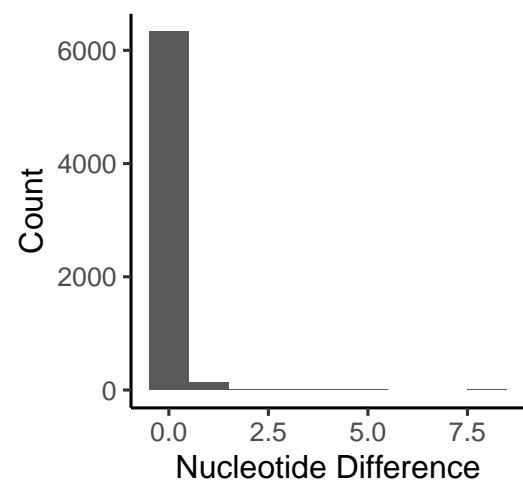
TRBV27*ap01

6241 sequences assigned
6131 (98.2%) exact matches, in which:
6090 unique CDR3
13 unique J



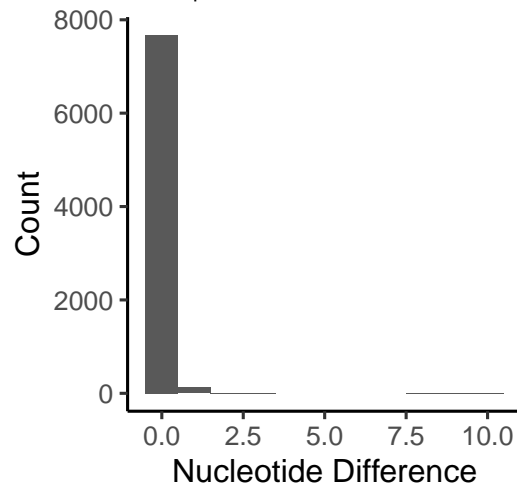
TRBV9*ap01

6471 sequences assigned
6329 (97.8%) exact matches, in which:
6298 unique CDR3
13 unique J



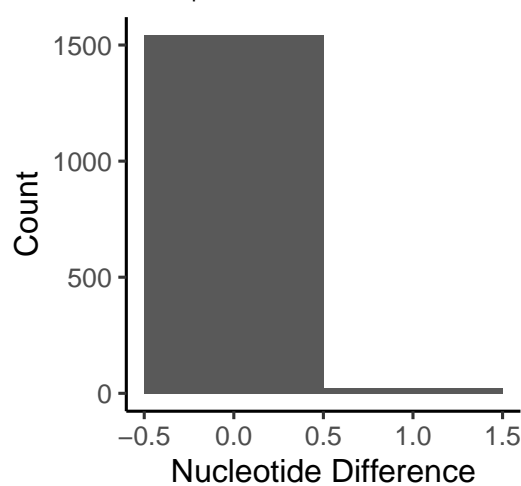
TRBV19*ap01

7812 sequences assigned
7673 (98.2%) exact matches, in which:
7657 unique CDR3
13 unique J



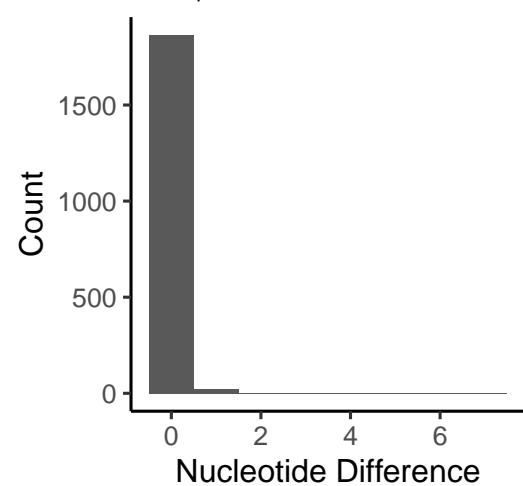
TRBV28*ap01

1565 sequences assigned
1543 (98.6%) exact matches, in which:
1540 unique CDR3
13 unique J



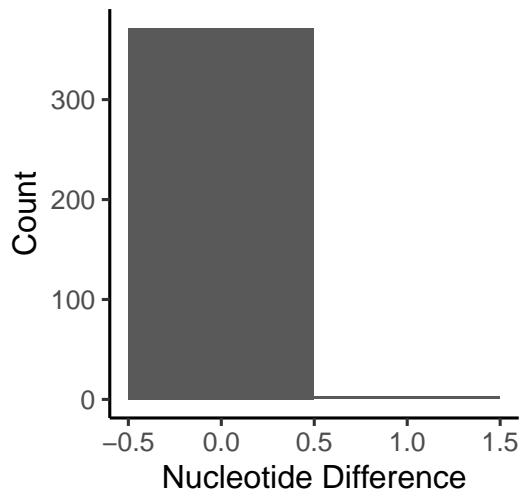
TRBV21-1*ap01

1895 sequences assigned
1864 (98.4%) exact matches, in which:
1861 unique CDR3
13 unique J



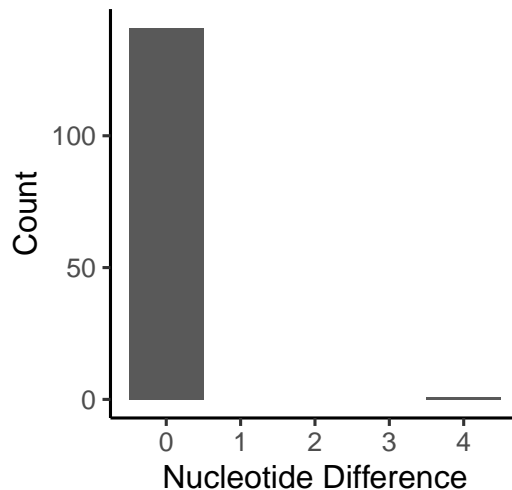
TRBV11-1*ap01

375 sequences assigned
372 (99.2%) exact matches, in which:
372 unique CDR3
13 unique J



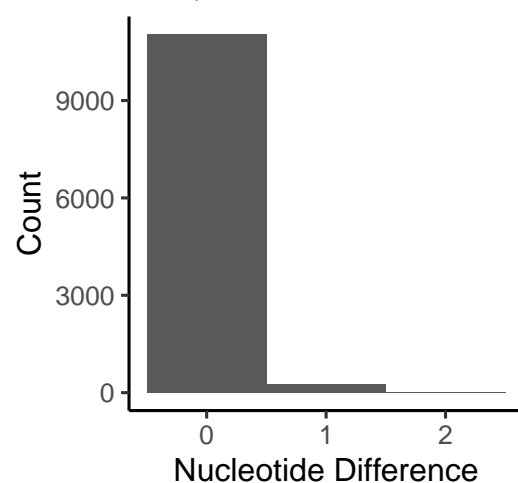
TRBV12-1*ap01

142 sequences assigned
141 (99.3%) exact matches, in which:
139 unique CDR3
13 unique J



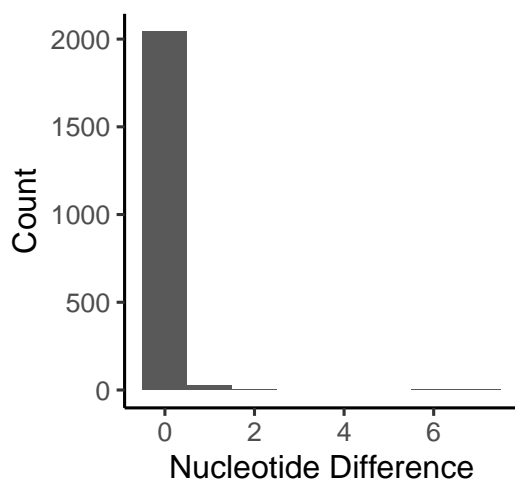
TRBV12-34*ap01

11293 sequences assigned
11038 (97.7%) exact matches, in which:
10965 unique CDR3
13 unique J



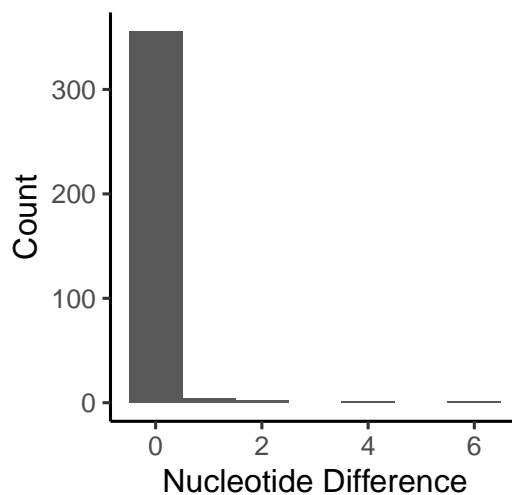
TRBV11-2*ap01

2068 sequences assigned
2042 (98.7%) exact matches, in which:
2035 unique CDR3
13 unique J



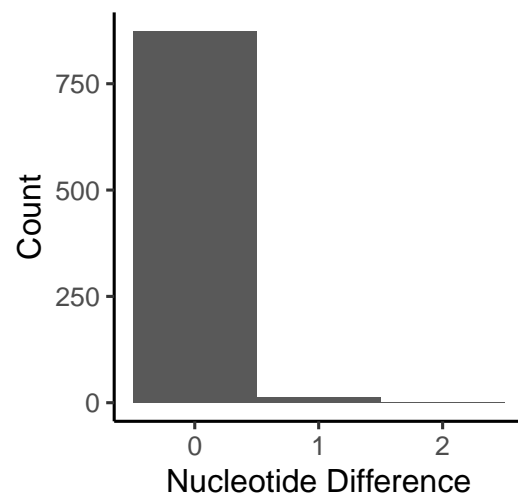
TRBV12-2*ap01

364 sequences assigned
356 (97.8%) exact matches, in which:
354 unique CDR3
13 unique J



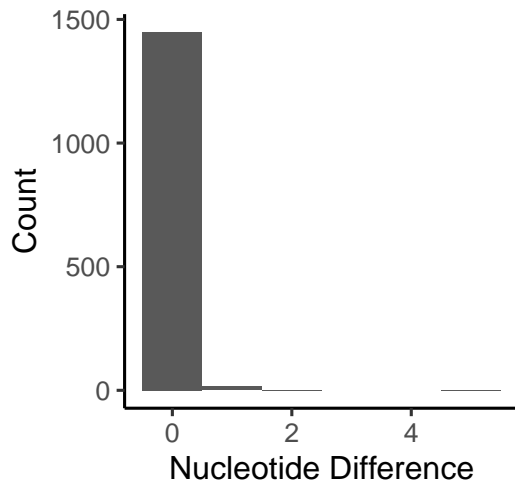
TRBV23-1*ap01

887 sequences assigned
874 (98.5%) exact matches, in which:
869 unique CDR3
13 unique J



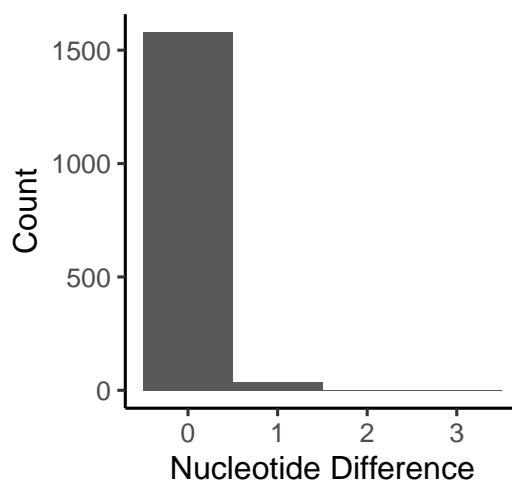
TRBV11-3*ap01

1467 sequences assigned
1449 (98.8%) exact matches, in which:
1445 unique CDR3
13 unique J



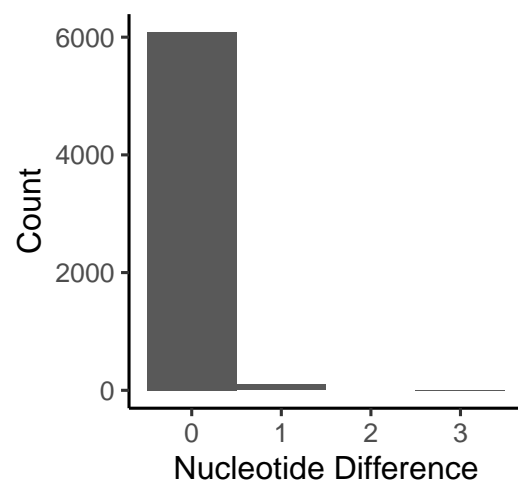
TRBV12-5*ap01

1618 sequences assigned
1580 (97.7%) exact matches, in which:
1566 unique CDR3
13 unique J



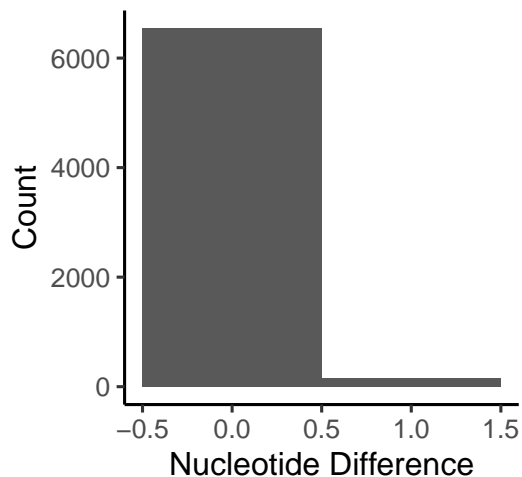
TRBV3-12*ap01

6188 sequences assigned
6087 (98.4%) exact matches, in which:
6068 unique CDR3
13 unique J



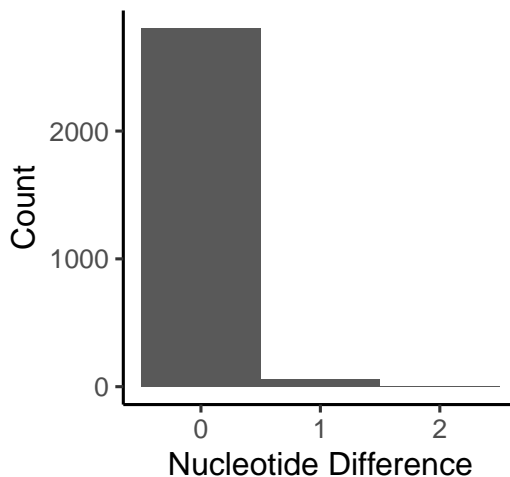
TRBV4-1*ap01

6692 sequences assigned
6542 (97.8%) exact matches, in which:
6477 unique CDR3
13 unique J



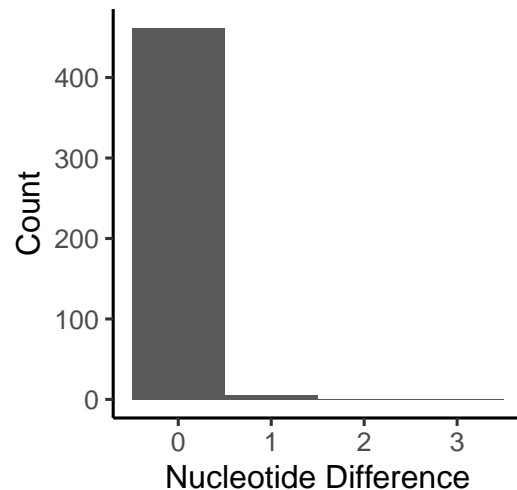
TRBV4-3*ap01

2865 sequences assigned
2803 (97.8%) exact matches, in which:
2776 unique CDR3
13 unique J



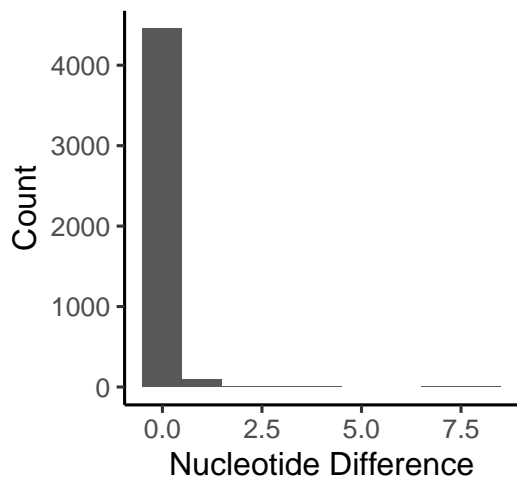
TRBV5-3*ap01

469 sequences assigned
462 (98.5%) exact matches, in which:
460 unique CDR3
13 unique J



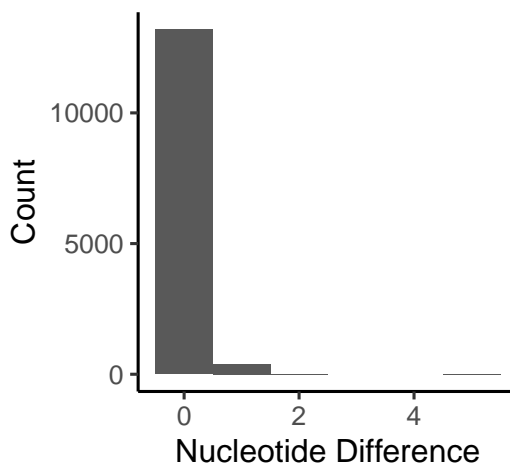
TRBV24-1*ap01

4558 sequences assigned
4454 (97.7%) exact matches, in which:
4426 unique CDR3
13 unique J



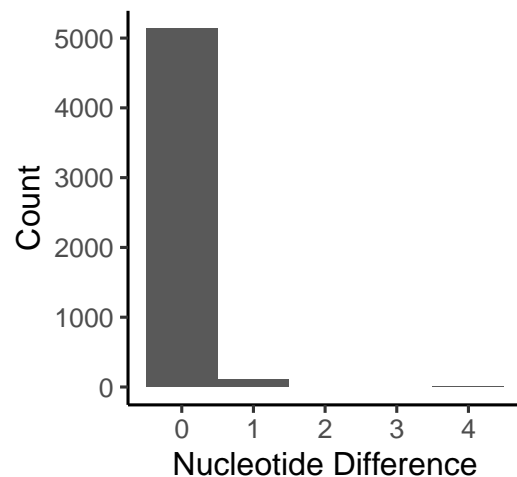
TRBV5-1*ap01

13600 sequences assigned
13192 (97%) exact matches, in which:
13103 unique CDR3
13 unique J



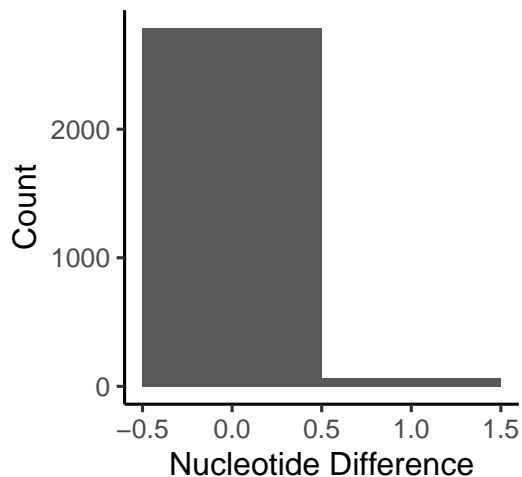
TRBV5-4*ap01

5247 sequences assigned
5134 (97.8%) exact matches, in which:
5094 unique CDR3
13 unique J



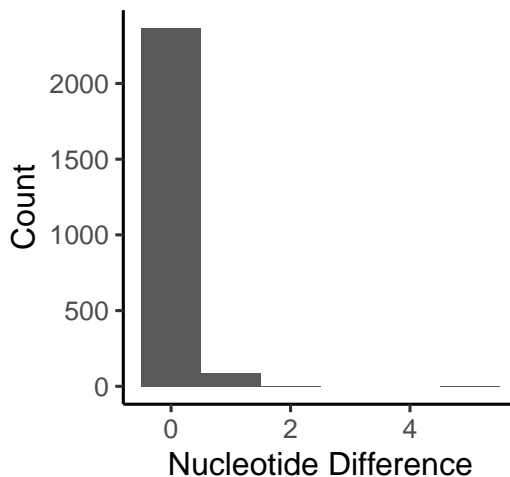
TRBV4-2*ap01

2851 sequences assigned
2787 (97.8%) exact matches, in which:
2768 unique CDR3
13 unique J



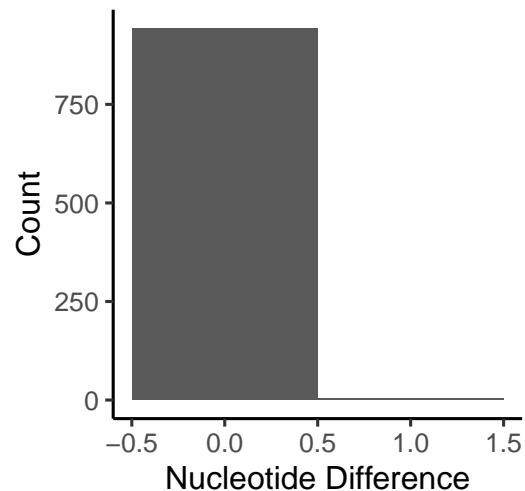
TRBV25-1*ap01

2458 sequences assigned
2366 (96.3%) exact matches, in which:
2341 unique CDR3
13 unique J



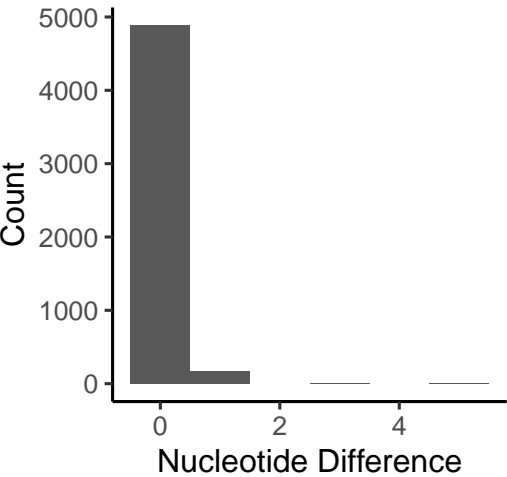
TRBV5-5*ap01

948 sequences assigned
943 (99.5%) exact matches, in which:
940 unique CDR3
13 unique J



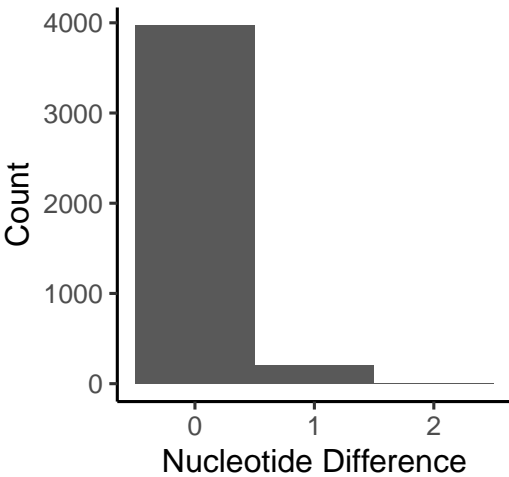
TRBV5-6*ap01

5054 sequences assigned
4885 (96.7%) exact matches, in which:
4817 unique CDR3
13 unique J



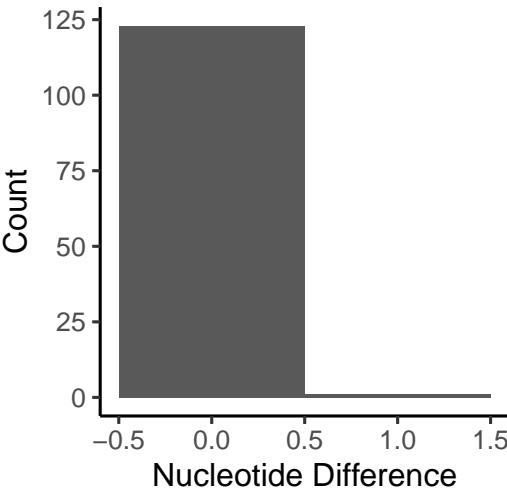
TRBV6-1*ap01

4181 sequences assigned
3971 (95%) exact matches, in which:
3938 unique CDR3
13 unique J



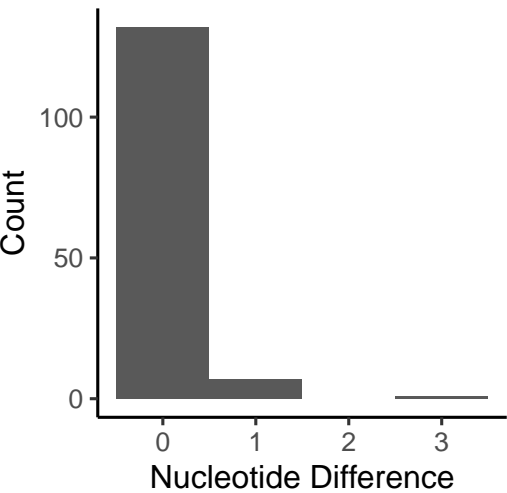
TRBV6-8*ap01

124 sequences assigned
123 (99.2%) exact matches, in which:
122 unique CDR3
13 unique J



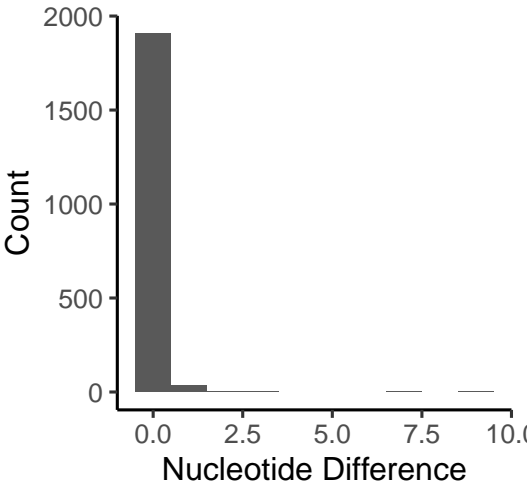
TRBV5-7*ap01

140 sequences assigned
132 (94.3%) exact matches, in which:
128 unique CDR3
12 unique J



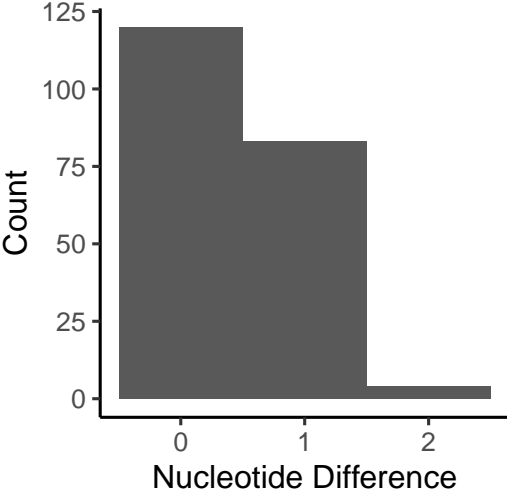
TRBV6-4*ap01

1949 sequences assigned
1906 (97.8%) exact matches, in which:
1890 unique CDR3
13 unique J



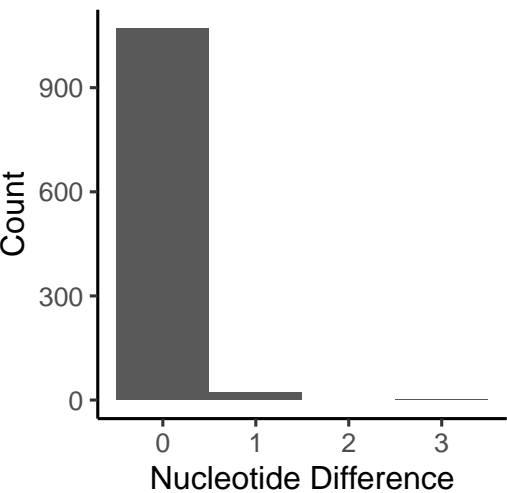
TRBV6-9*ap01

207 sequences assigned
120 (58%) exact matches, in which:
120 unique CDR3
13 unique J



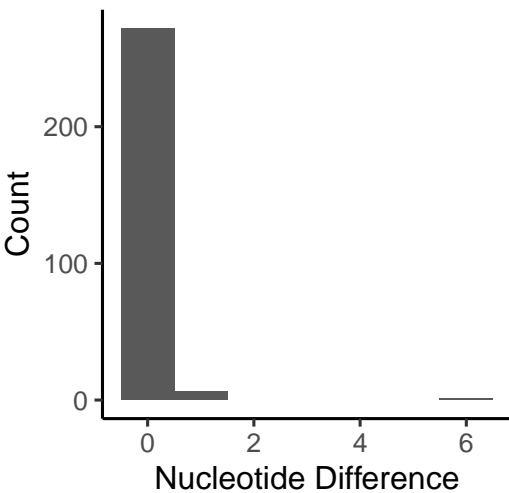
TRBV5-8*ap01

1093 sequences assigned
1071 (98%) exact matches, in which:
1068 unique CDR3
13 unique J



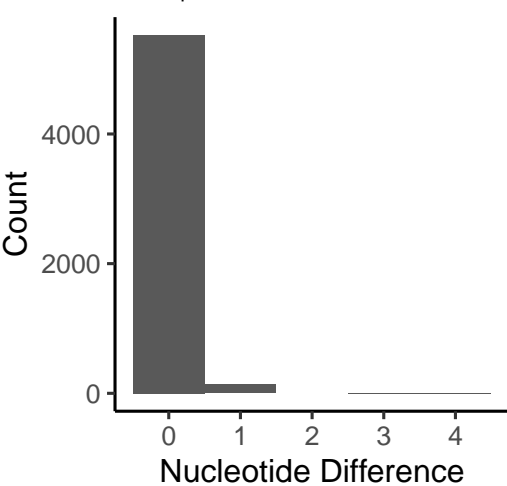
TRBV6-7*ap01

279 sequences assigned
272 (97.5%) exact matches, in which:
268 unique CDR3
13 unique J



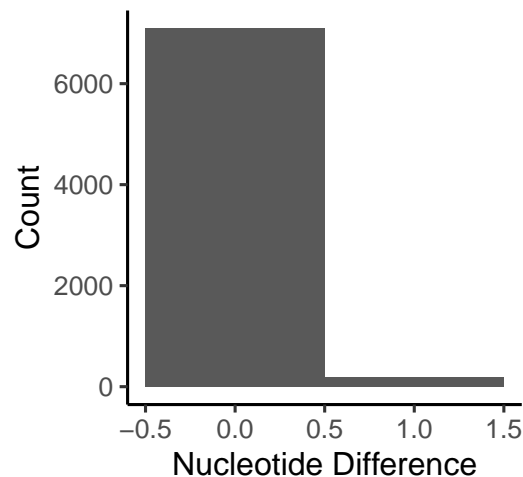
TRBV6-23*ap01

5666 sequences assigned
5526 (97.5%) exact matches, in which:
5480 unique CDR3
13 unique J



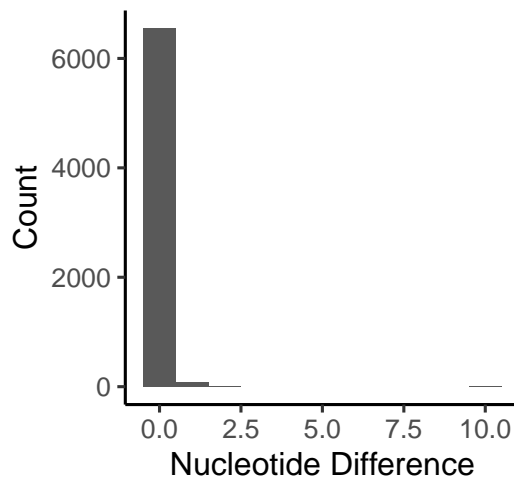
TRBV6-56*ap01

7279 sequences assigned
7094 (97.5%) exact matches, in which:
7008 unique CDR3
13 unique J



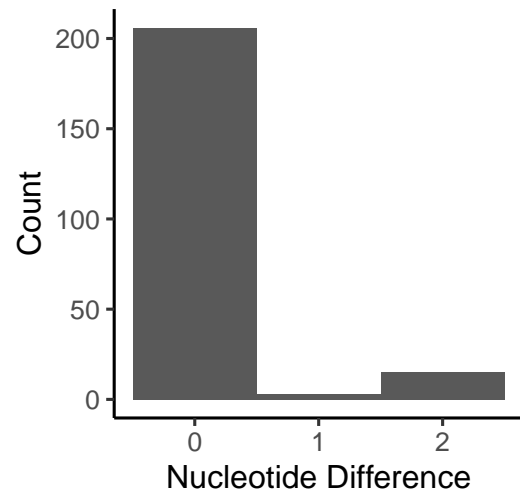
TRBV7-2*ap01

6641 sequences assigned
6549 (98.6%) exact matches, in which:
6518 unique CDR3
13 unique J



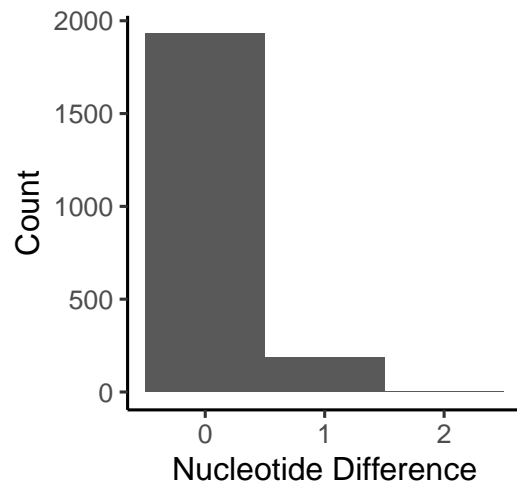
TRBV7-4*ap01

224 sequences assigned
206 (92%) exact matches, in which:
205 unique CDR3
13 unique J



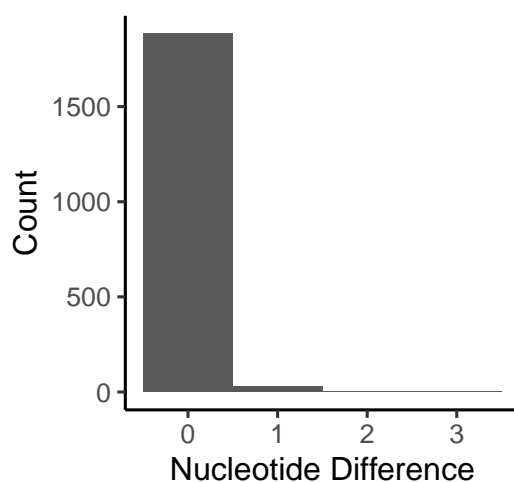
TRBV6-56*ap02

2122 sequences assigned
1930 (91%) exact matches, in which:
1910 unique CDR3
13 unique J



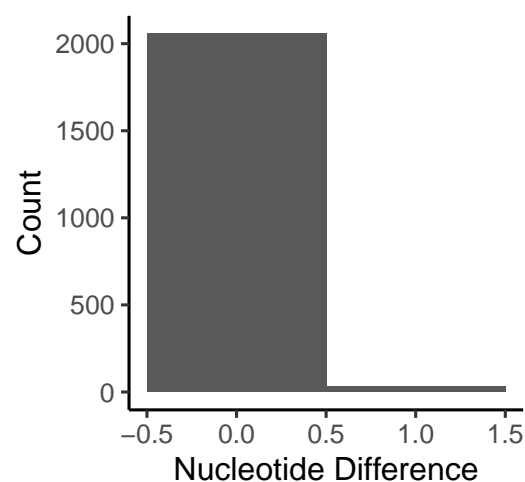
TRBV7-3*ap01

1914 sequences assigned
1883 (98.4%) exact matches, in which:
1874 unique CDR3
13 unique J



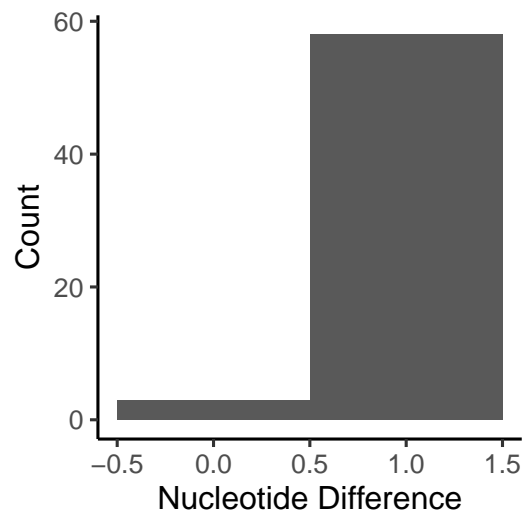
TRBV7-6*ap01

2091 sequences assigned
2057 (98.4%) exact matches, in which:
2043 unique CDR3
13 unique J



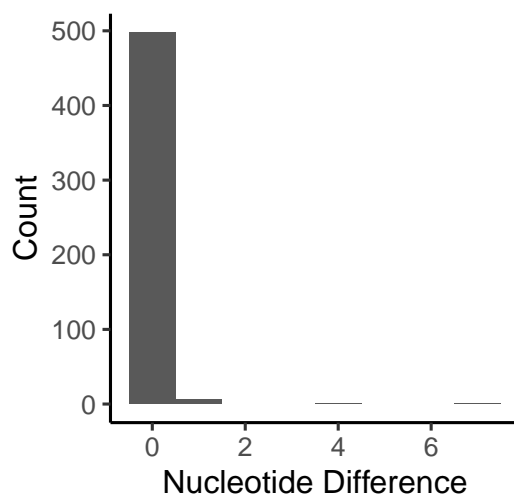
TRBV7-1*ap01_T296C

61 sequences assigned
3 (4.9%) exact matches, in which:
3 unique CDR3
3 unique J



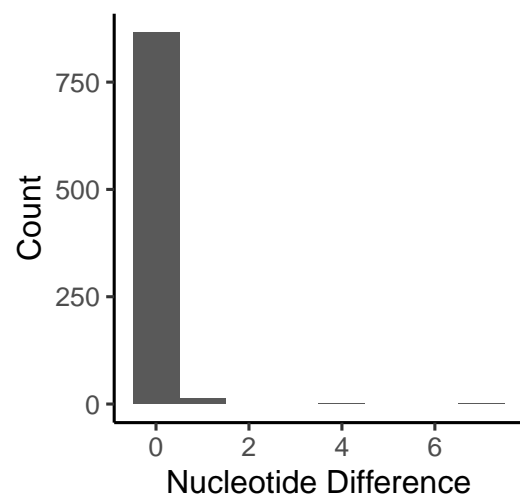
TRBV7-3*ap03

506 sequences assigned
498 (98.4%) exact matches, in which:
498 unique CDR3
13 unique J



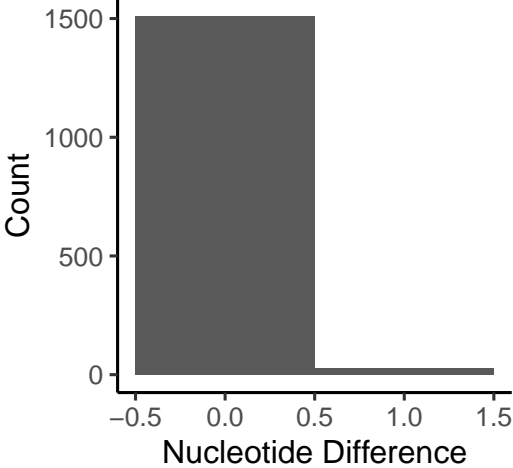
TRBV7-7*ap01_C315T

881 sequences assigned
866 (98.3%) exact matches, in which:
861 unique CDR3
13 unique J



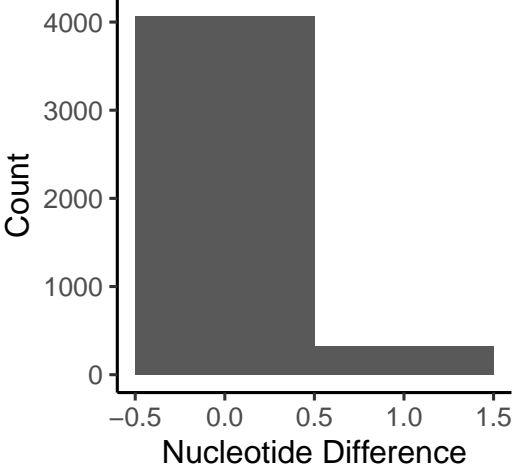
TRBV7-8*ap01

1536 sequences assigned
1509 (98.2%) exact matches, in which:
1503 unique CDR3
13 unique J



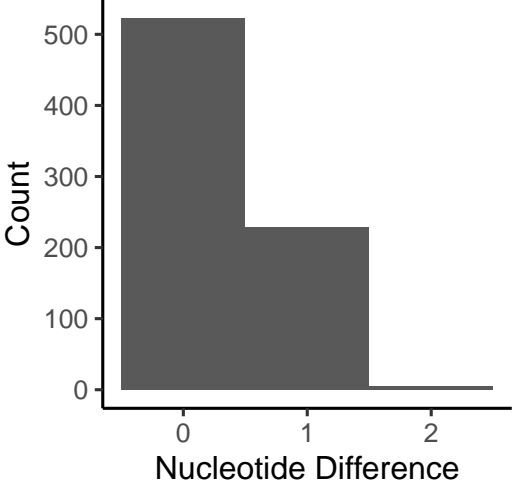
TRBV29-1*ap01

4385 sequences assigned
4064 (92.7%) exact matches, in which:
4010 unique CDR3
13 unique J



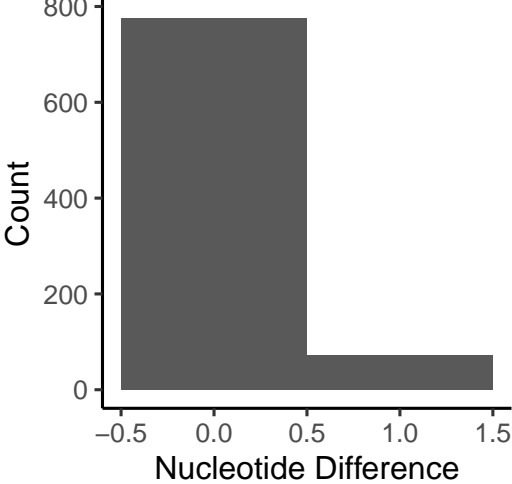
TRBV7-8*ap03

757 sequences assigned
523 (69.1%) exact matches, in which:
523 unique CDR3
13 unique J



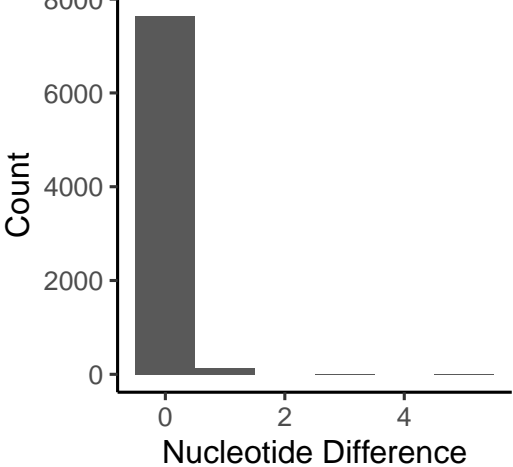
TRBV29-1*ap02

849 sequences assigned
776 (91.4%) exact matches, in which:
766 unique CDR3
13 unique J

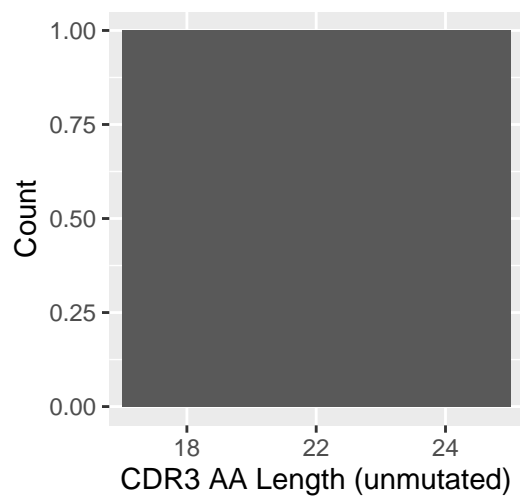


TRBV7-9*ap01

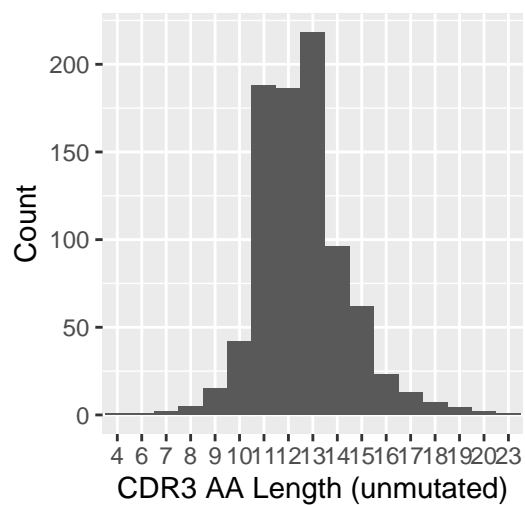
7774 sequences assigned
7639 (98.3%) exact matches, in which:
7595 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]