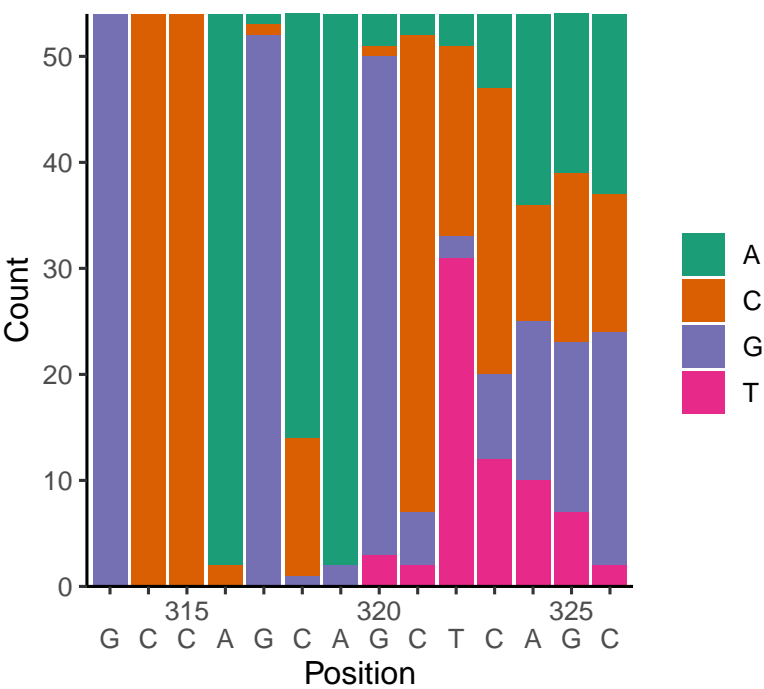
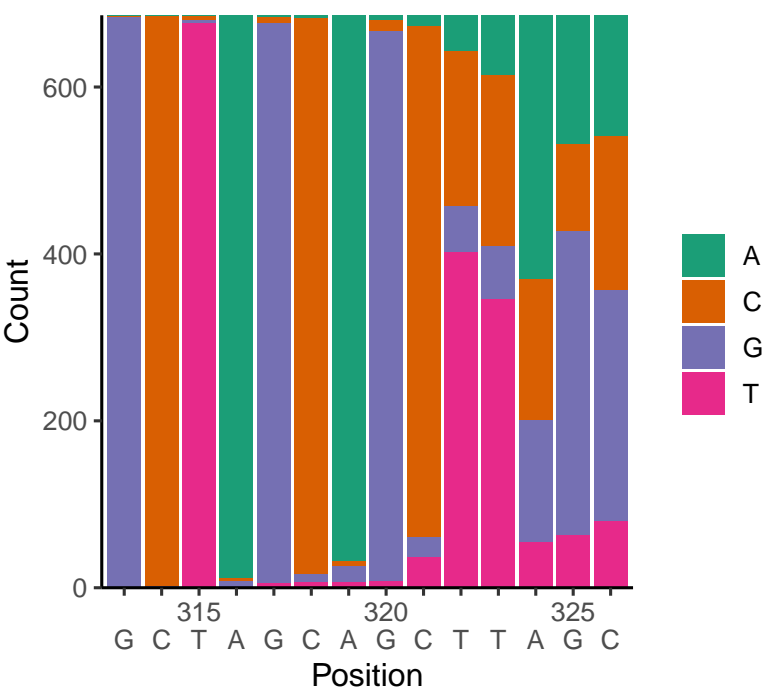


Gene TRBV7-1*ap01_T296C

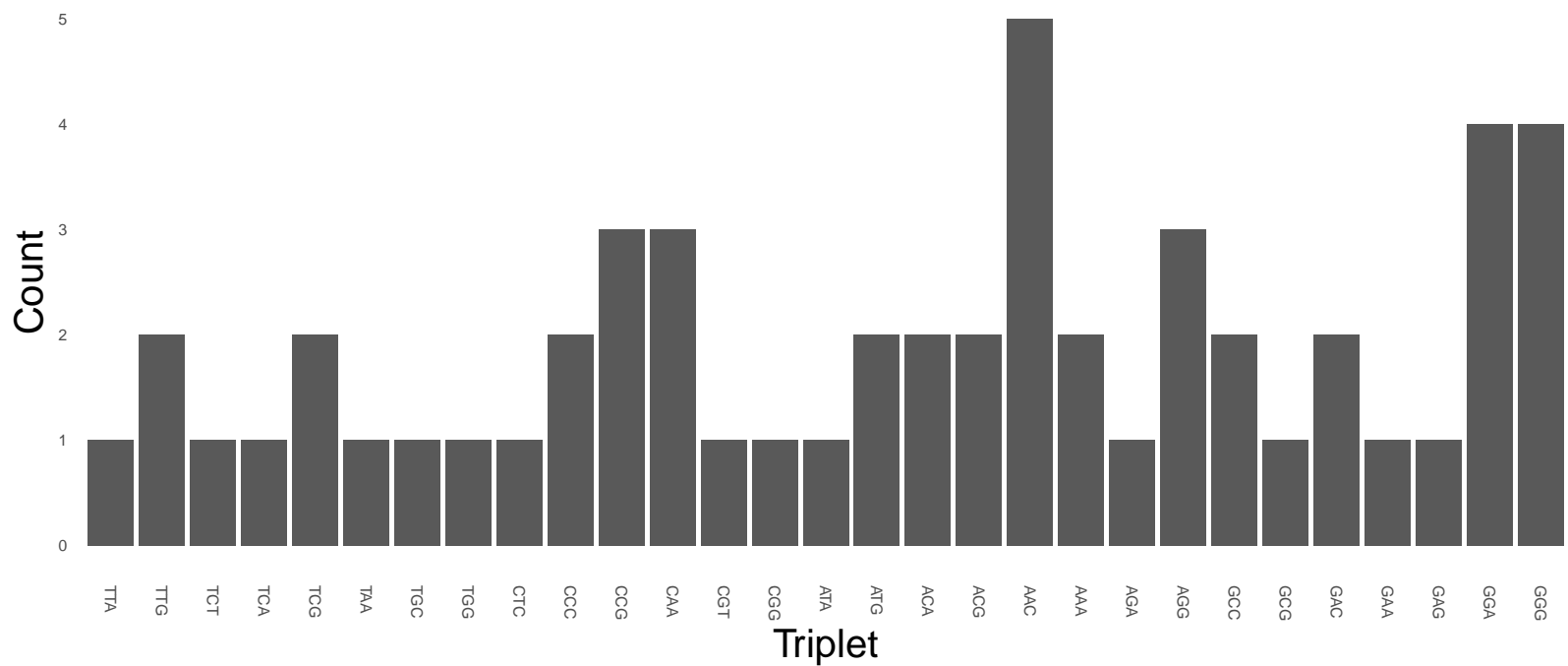


Gene TRBV7-7*ap01_C315T

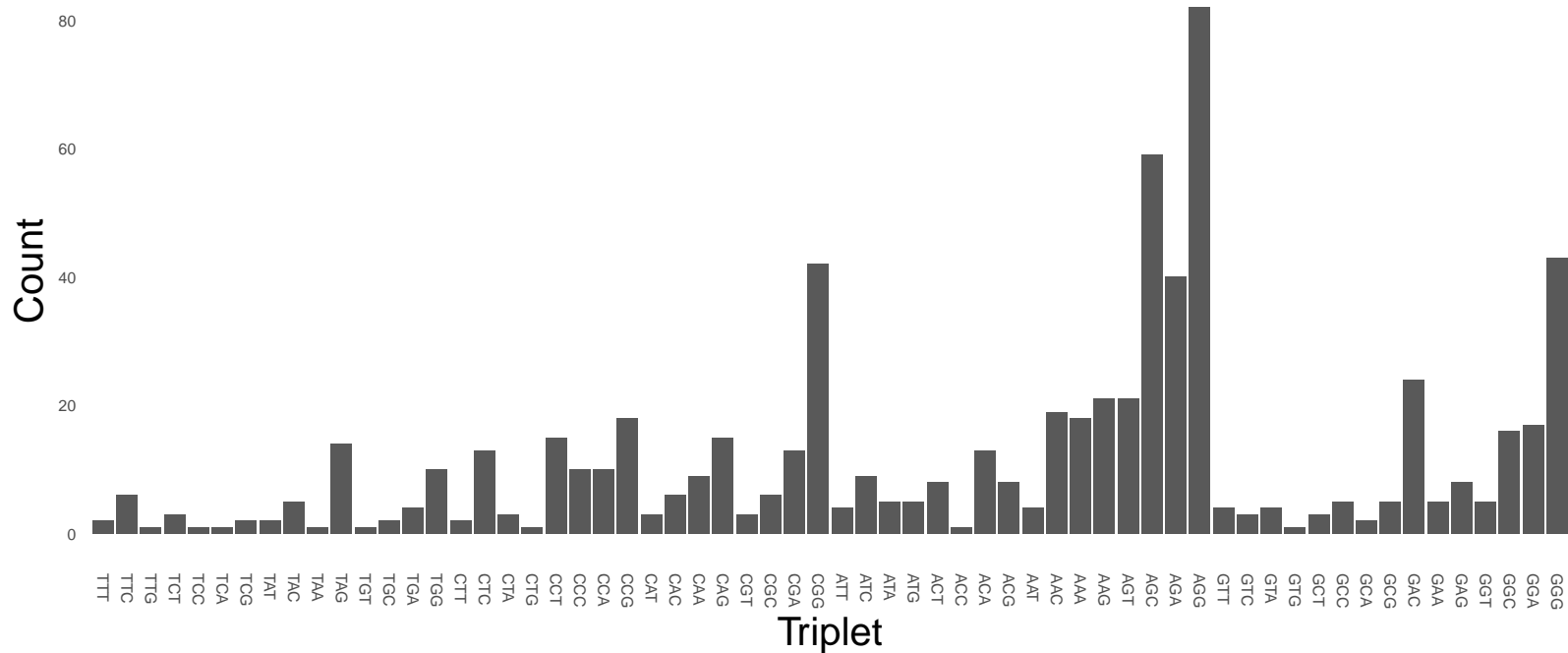




TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

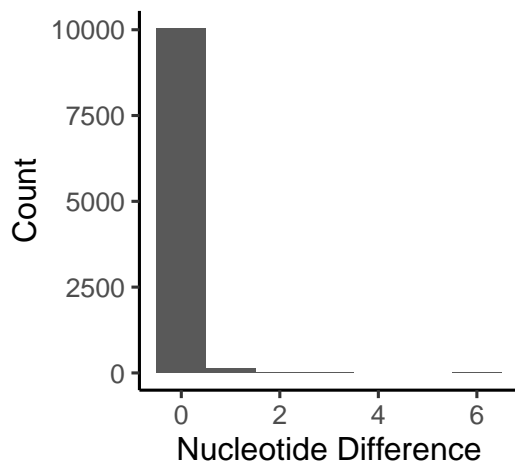


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



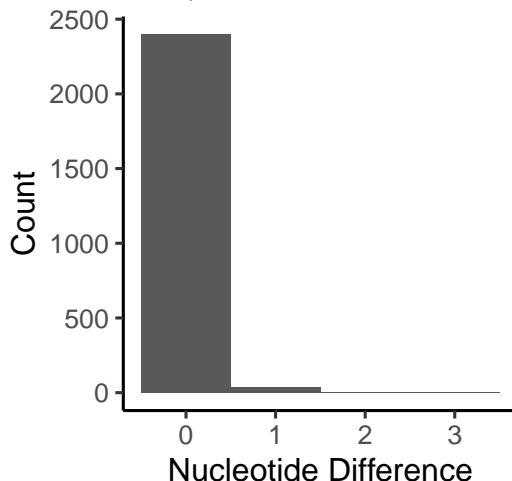
TRBV20-1*ap01

10191 sequences assigned
10046 (98.6%) exact matches, in which:
9876 unique CDR3
13 unique J



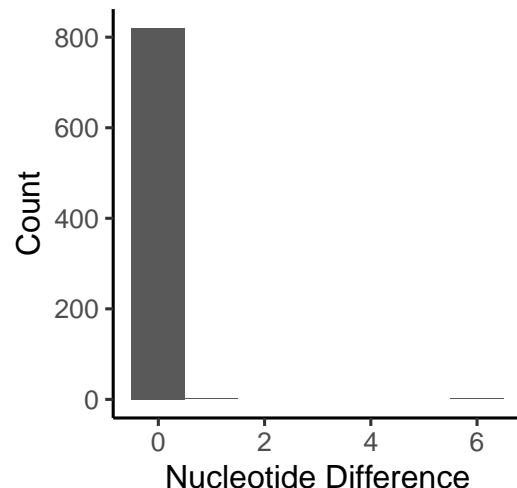
TRBV10-3*ap01

2437 sequences assigned
2398 (98.4%) exact matches, in which:
2350 unique CDR3
13 unique J



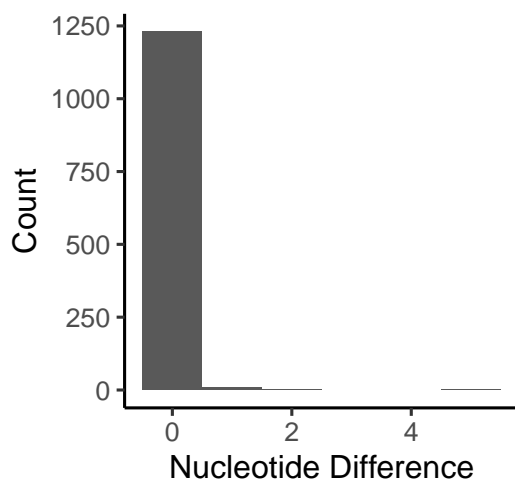
TRBV14*ap01

825 sequences assigned
821 (99.5%) exact matches, in which:
808 unique CDR3
13 unique J



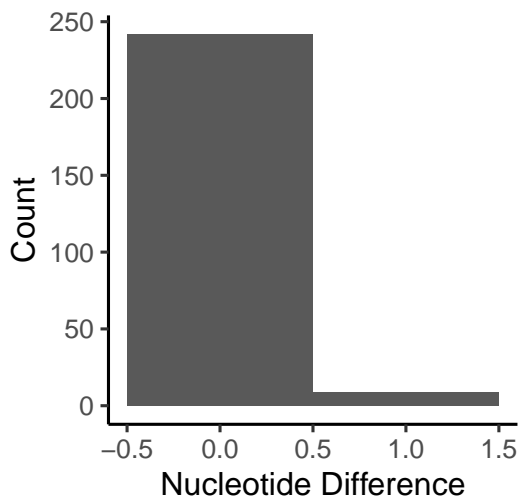
TRBV10-1*ap01

1239 sequences assigned
1230 (99.3%) exact matches, in which:
1201 unique CDR3
13 unique J



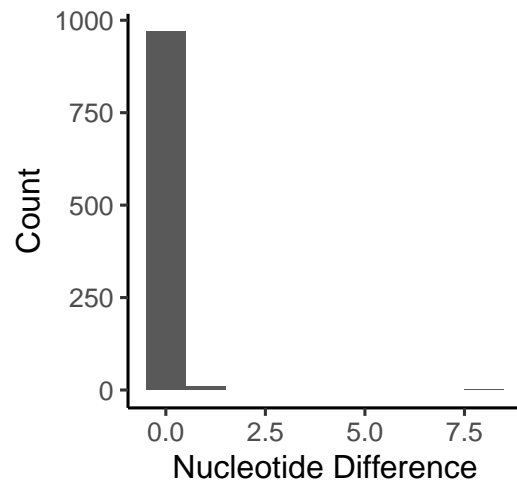
TRBV1*ap01

251 sequences assigned
242 (96.4%) exact matches, in which:
240 unique CDR3
13 unique J



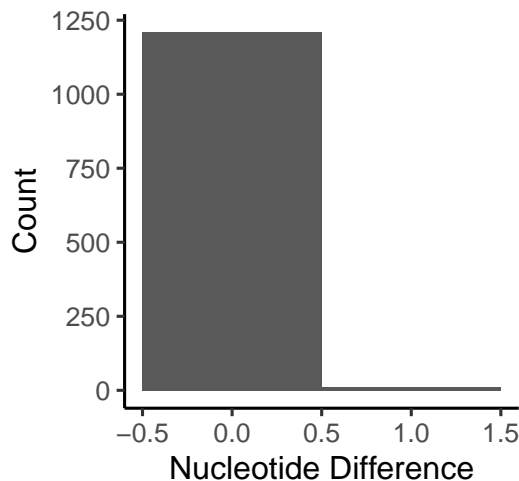
TRBV15*ap02

979 sequences assigned
969 (99%) exact matches, in which:
958 unique CDR3
13 unique J



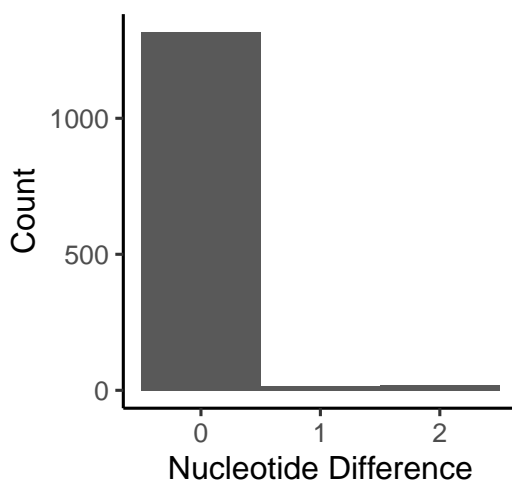
TRBV10-2*ap01

1221 sequences assigned
1210 (99.1%) exact matches, in which:
1179 unique CDR3
13 unique J



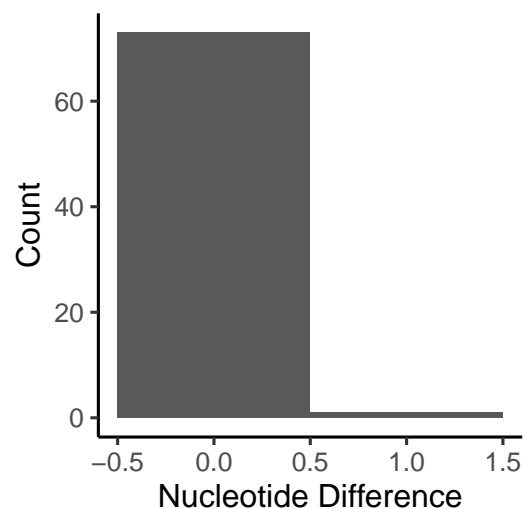
TRBV13*ap01

1351 sequences assigned
1317 (97.5%) exact matches, in which:
1293 unique CDR3
13 unique J



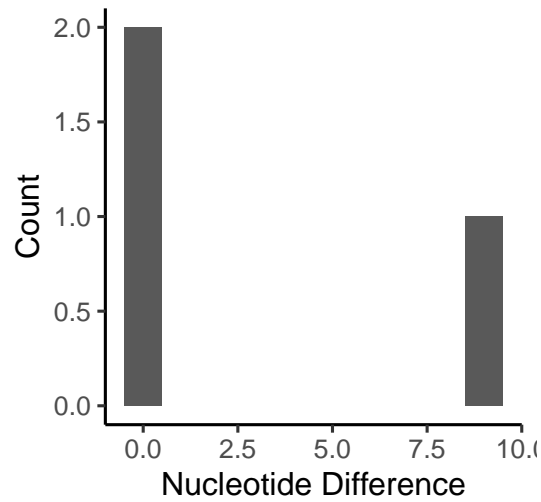
TRBV16*ap01

74 sequences assigned
73 (98.6%) exact matches, in which:
72 unique CDR3
13 unique J



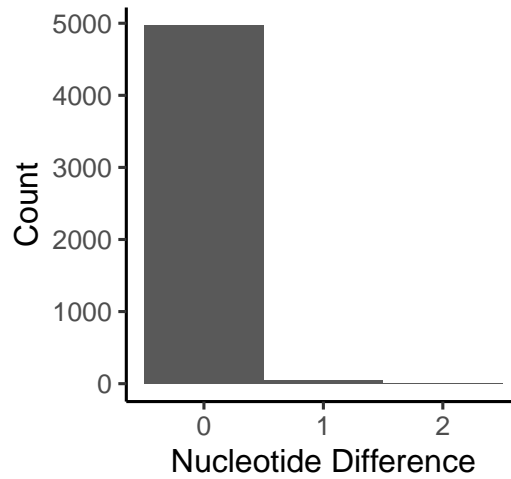
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



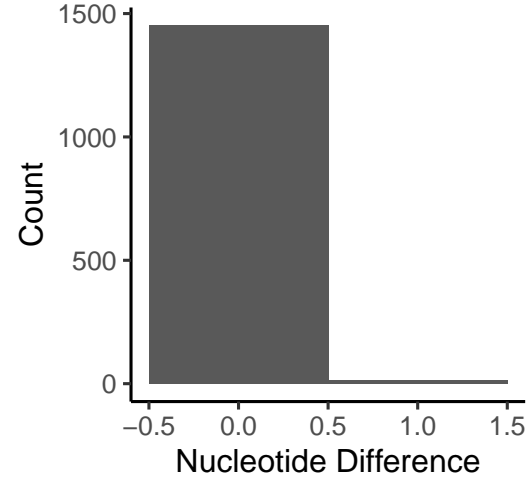
TRBV2*ap01

5027 sequences assigned
4970 (98.9%) exact matches, in which:
4891 unique CDR3
13 unique J



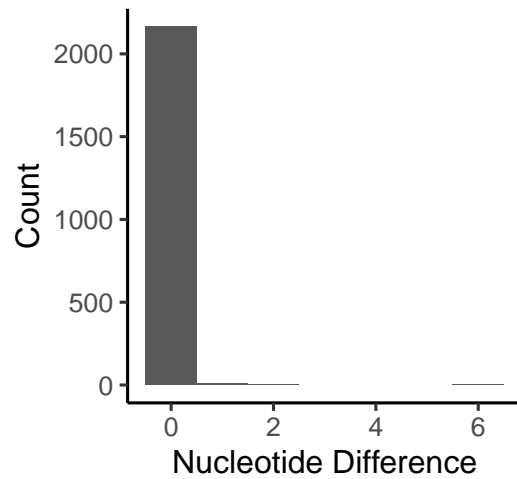
TRBV28*ap01

1465 sequences assigned
1452 (99.1%) exact matches, in which:
1432 unique CDR3
13 unique J



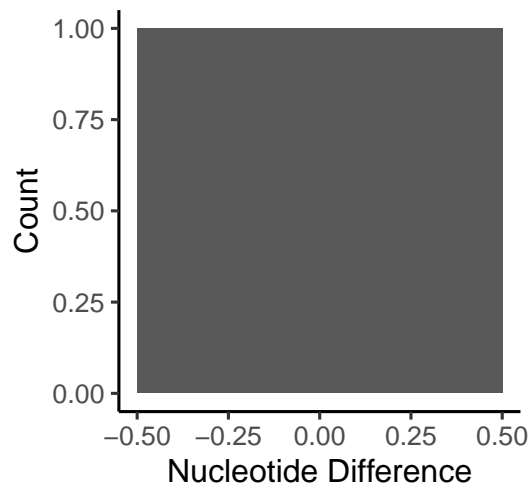
TRBV18*ap01

2178 sequences assigned
2164 (99.4%) exact matches, in which:
2127 unique CDR3
13 unique J



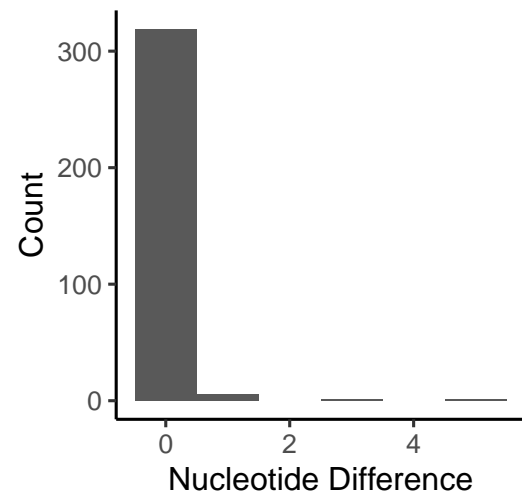
TRBV26*ap01

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



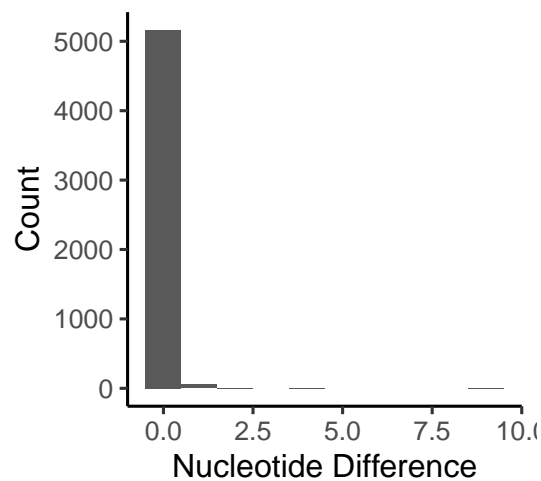
TRBV30*ap02

327 sequences assigned
319 (97.6%) exact matches, in which:
317 unique CDR3
13 unique J



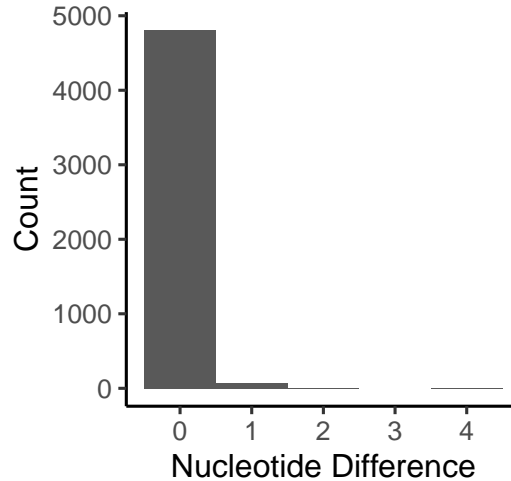
TRBV19*ap01

5224 sequences assigned
5162 (98.8%) exact matches, in which:
5100 unique CDR3
13 unique J



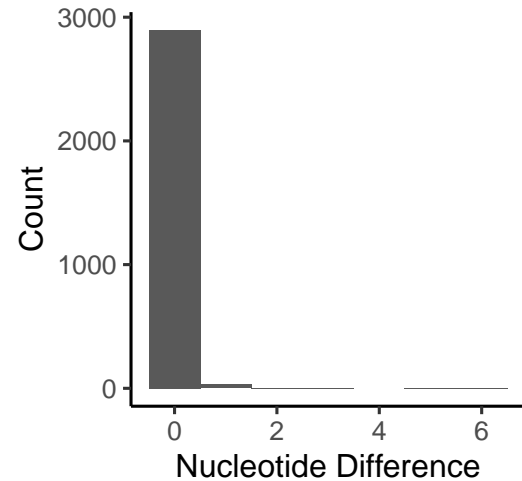
TRBV27*ap01

4880 sequences assigned
4808 (98.5%) exact matches, in which:
4697 unique CDR3
13 unique J



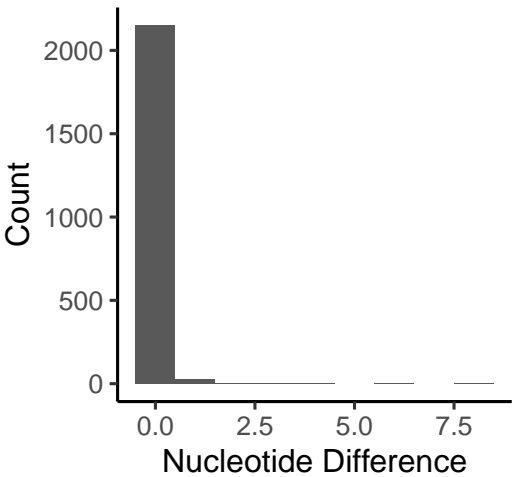
TRBV9*ap01

2932 sequences assigned
2896 (98.8%) exact matches, in which:
2837 unique CDR3
13 unique J



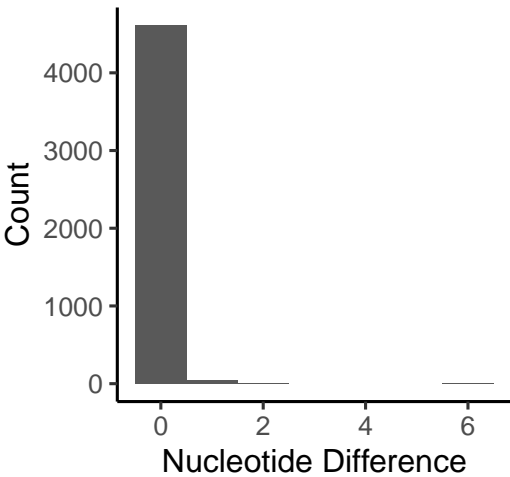
TRBV21-1*ap01

2187 sequences assigned
2150 (98.3%) exact matches, in which:
2116 unique CDR3
13 unique J



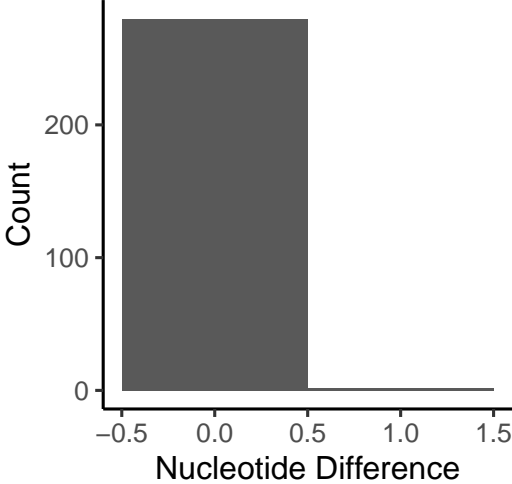
TRBV11-3*ap01

4654 sequences assigned
4610 (99.1%) exact matches, in which:
4520 unique CDR3
13 unique J



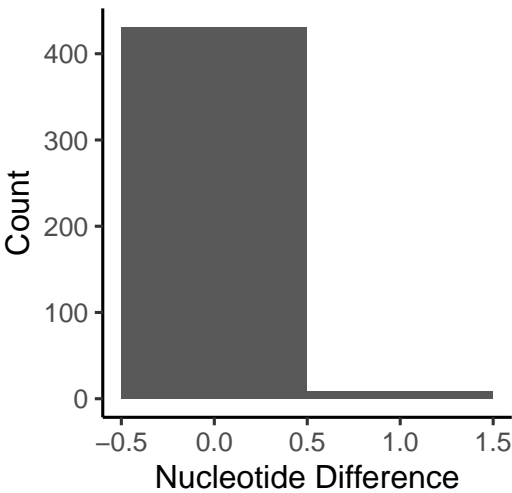
TRBV12-5*ap01

282 sequences assigned
280 (99.3%) exact matches, in which:
278 unique CDR3
13 unique J



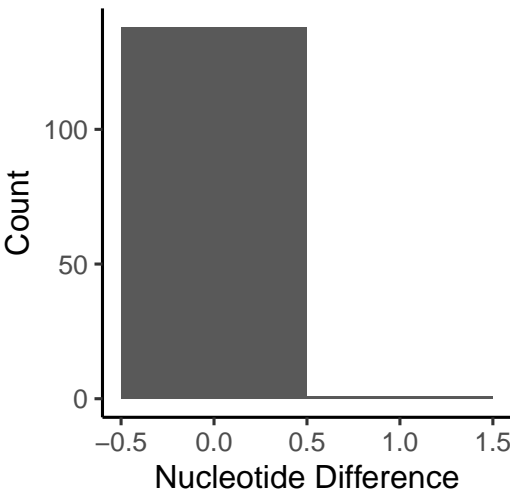
TRBV11-1*ap01

440 sequences assigned
431 (98%) exact matches, in which:
419 unique CDR3
13 unique J



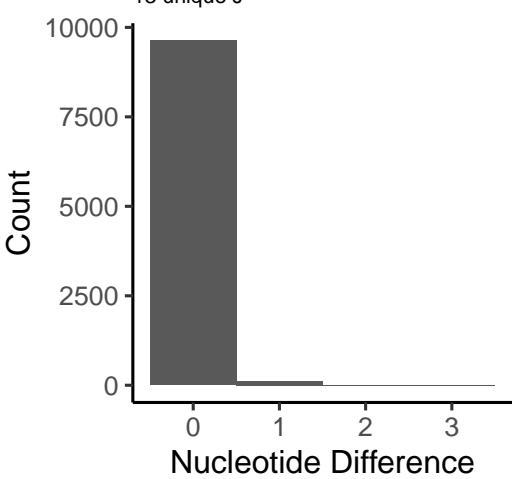
TRBV12-1*ap01

139 sequences assigned
138 (99.3%) exact matches, in which:
136 unique CDR3
13 unique J



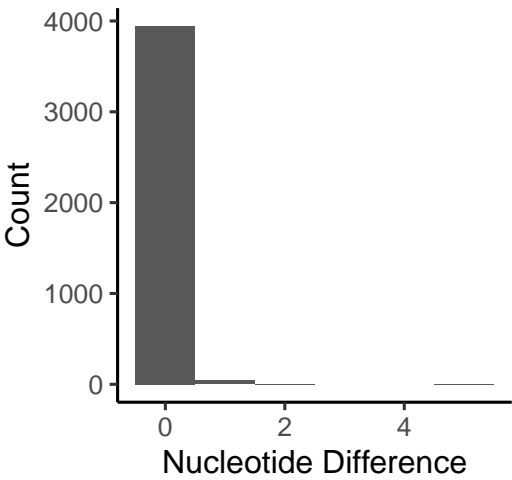
TRBV12-34*ap01

9762 sequences assigned
9634 (98.7%) exact matches, in which:
9482 unique CDR3
13 unique J



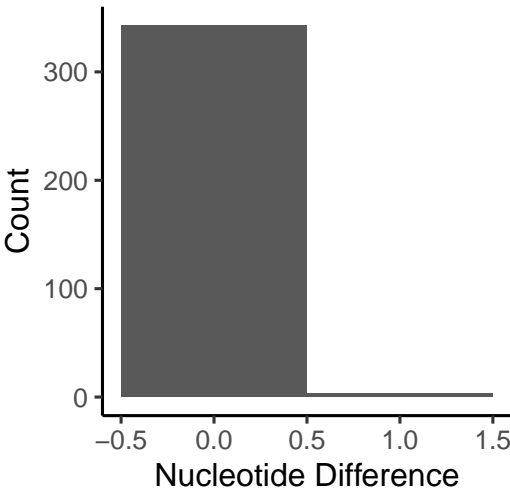
TRBV11-2*ap01

3987 sequences assigned
3944 (98.9%) exact matches, in which:
3861 unique CDR3
13 unique J



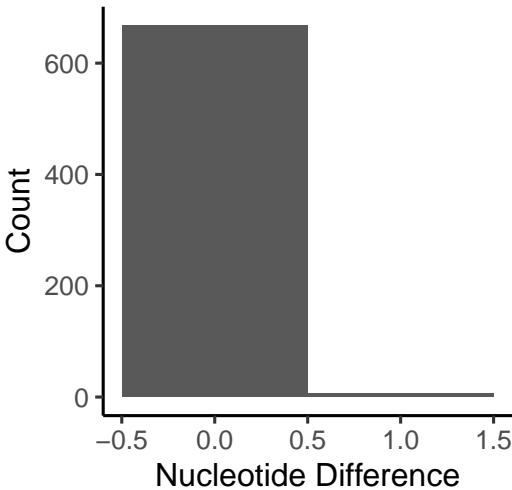
TRBV12-2*ap01

346 sequences assigned
343 (99.1%) exact matches, in which:
337 unique CDR3
13 unique J



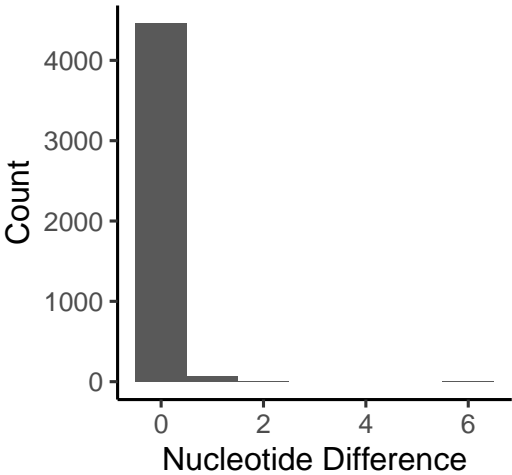
TRBV23-1*ap01

674 sequences assigned
668 (99.1%) exact matches, in which:
648 unique CDR3
13 unique J



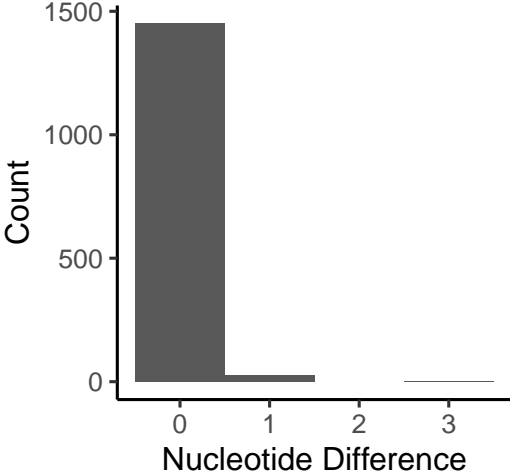
TRBV3-12*ap01

4528 sequences assigned
4460 (98.5%) exact matches, in which:
4367 unique CDR3
13 unique J



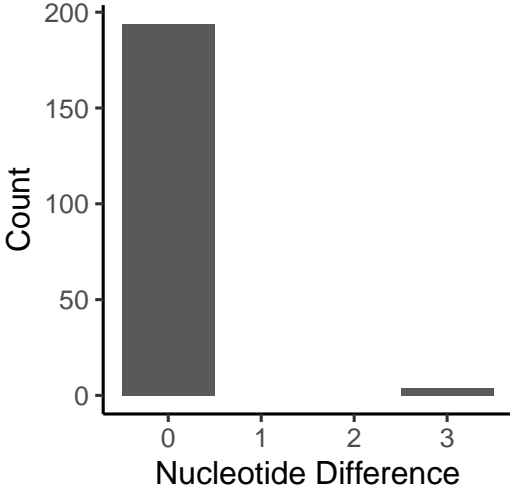
TRBV4-2*ap01

1477 sequences assigned
1451 (98.2%) exact matches, in which:
1438 unique CDR3
13 unique J



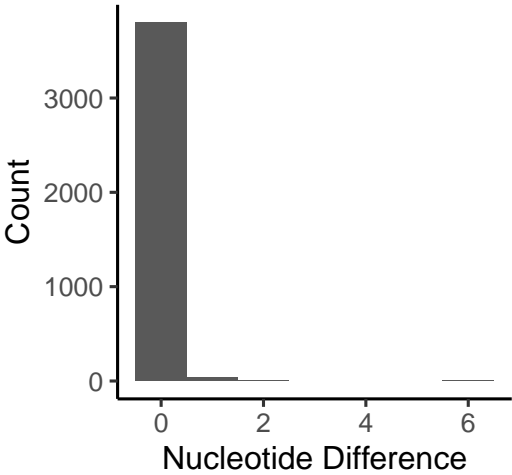
TRBV5-3*ap01

198 sequences assigned
194 (98%) exact matches, in which:
193 unique CDR3
13 unique J



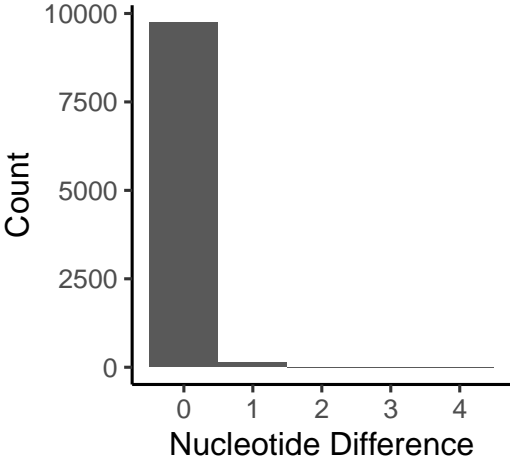
TRBV4-1*ap01

3836 sequences assigned
3798 (99%) exact matches, in which:
3736 unique CDR3
13 unique J



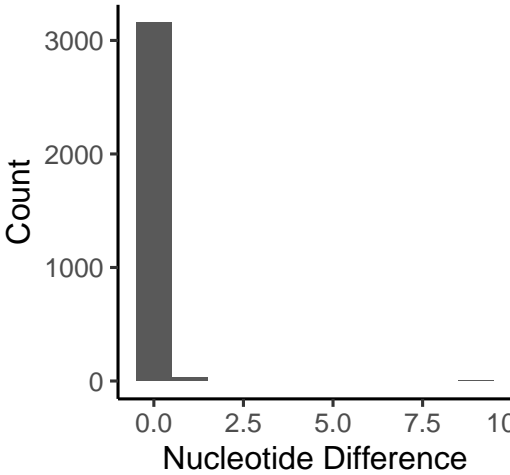
TRBV5-1*ap01

9889 sequences assigned
9746 (98.6%) exact matches, in which:
9502 unique CDR3
13 unique J



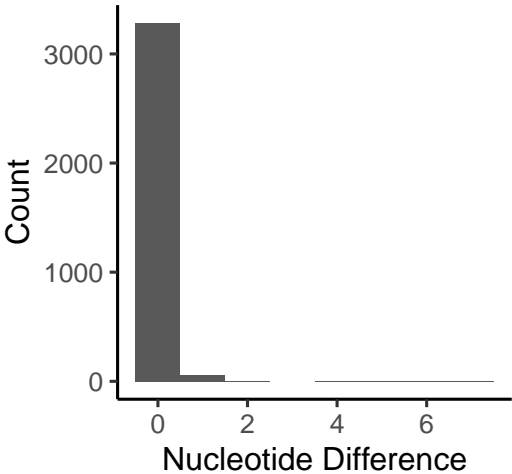
TRBV5-4*ap01

3191 sequences assigned
3156 (98.9%) exact matches, in which:
3096 unique CDR3
13 unique J



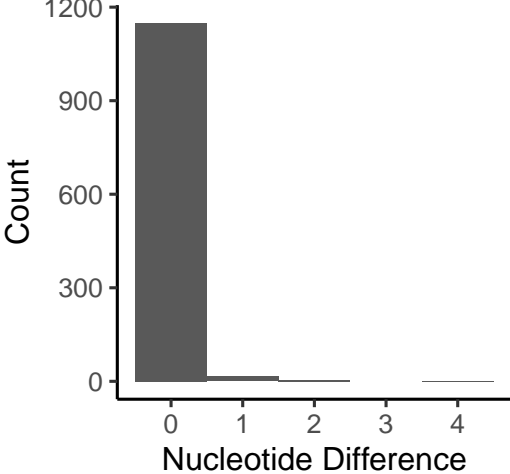
TRBV24-1*ap01

3346 sequences assigned
3283 (98.1%) exact matches, in which:
3240 unique CDR3
13 unique J



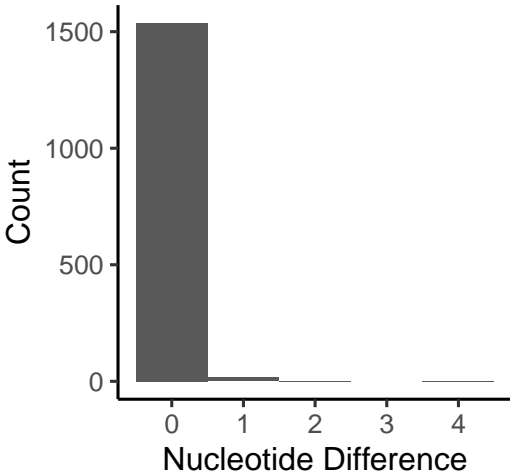
TRBV25-1*ap01

1169 sequences assigned
1149 (98.3%) exact matches, in which:
1132 unique CDR3
13 unique J



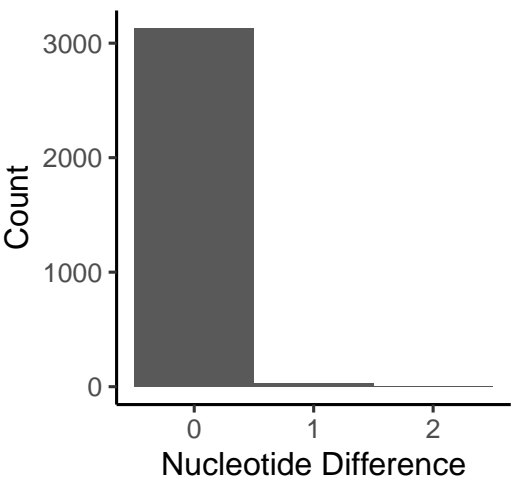
TRBV5-5*ap01

1555 sequences assigned
1537 (98.8%) exact matches, in which:
1508 unique CDR3
13 unique J



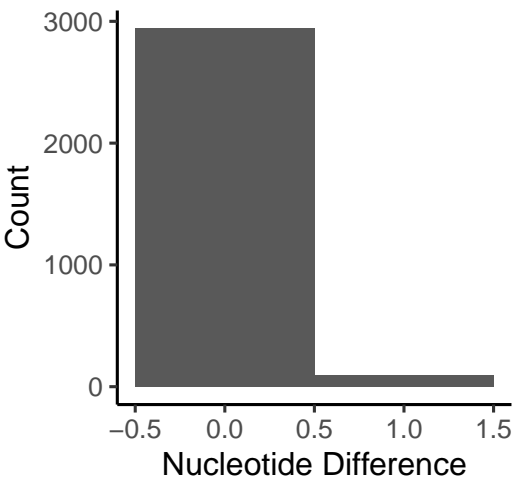
TRBV5-6*ap01

3160 sequences assigned
3129 (99%) exact matches, in which:
3053 unique CDR3
13 unique J



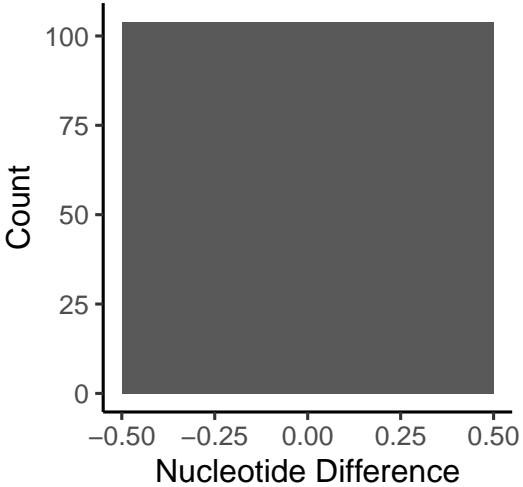
TRBV6-1*ap01

3040 sequences assigned
2942 (96.8%) exact matches, in which:
2878 unique CDR3
13 unique J



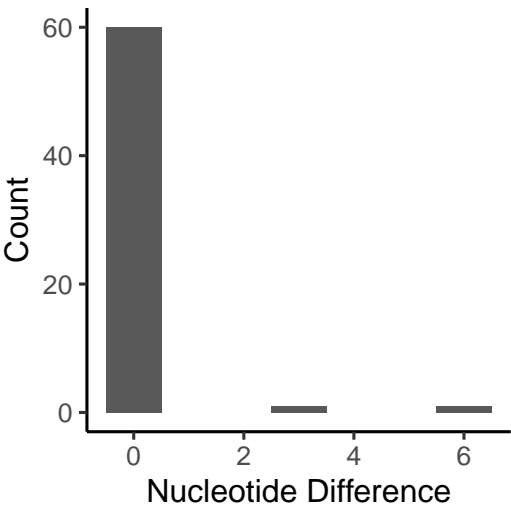
TRBV6-8*ap01

104 sequences assigned
104 (100%) exact matches, in which:
103 unique CDR3
13 unique J



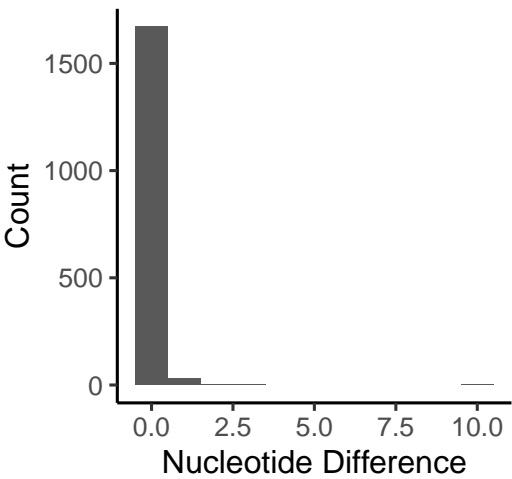
TRBV5-7*ap01

62 sequences assigned
60 (96.8%) exact matches, in which:
60 unique CDR3
12 unique J



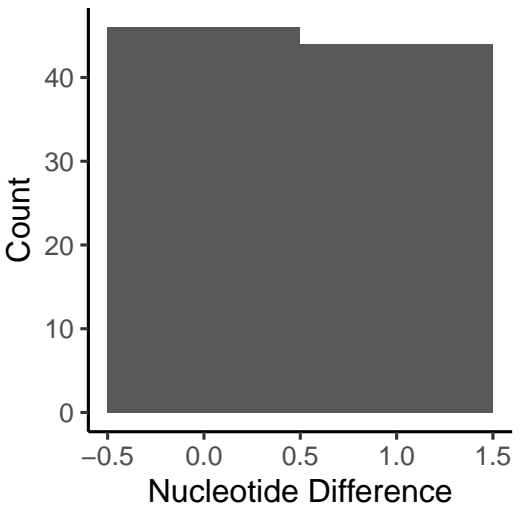
TRBV6-4*ap01

1706 sequences assigned
1671 (97.9%) exact matches, in which:
1645 unique CDR3
13 unique J



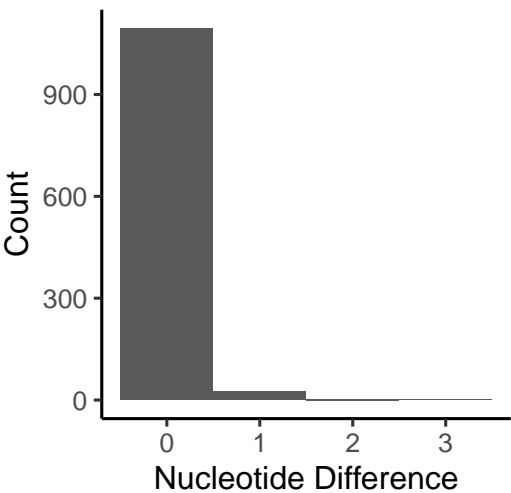
TRBV6-9*ap01

90 sequences assigned
46 (51.1%) exact matches, in which:
45 unique CDR3
9 unique J



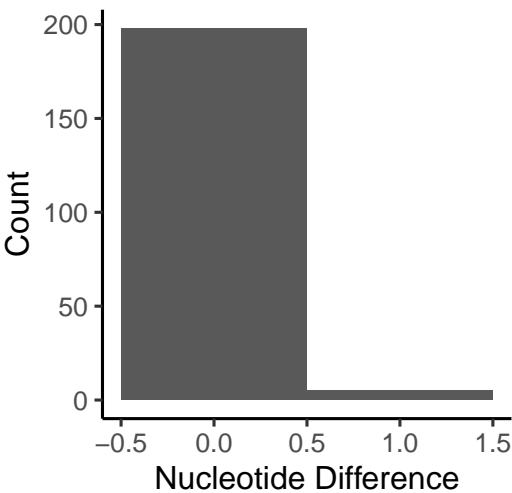
TRBV5-8*ap01

1125 sequences assigned
1095 (97.3%) exact matches, in which:
1076 unique CDR3
13 unique J



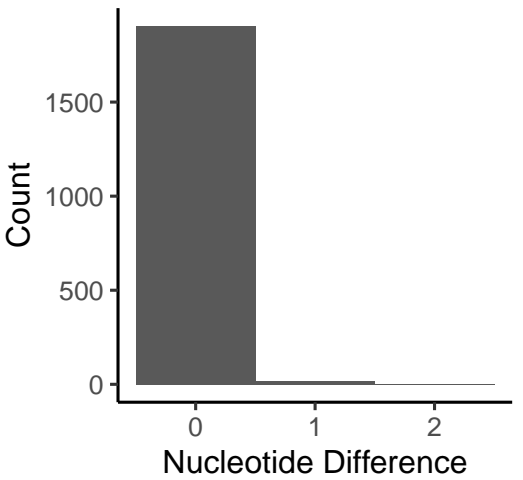
TRBV6-7*ap01

203 sequences assigned
198 (97.5%) exact matches, in which:
190 unique CDR3
13 unique J



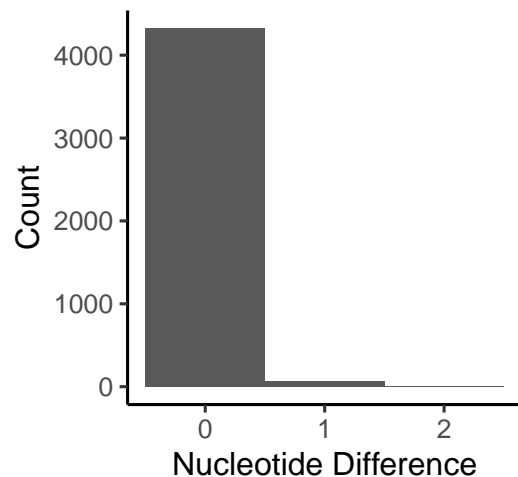
TRBV6-23*ap01

1921 sequences assigned
1904 (99.1%) exact matches, in which:
1866 unique CDR3
13 unique J



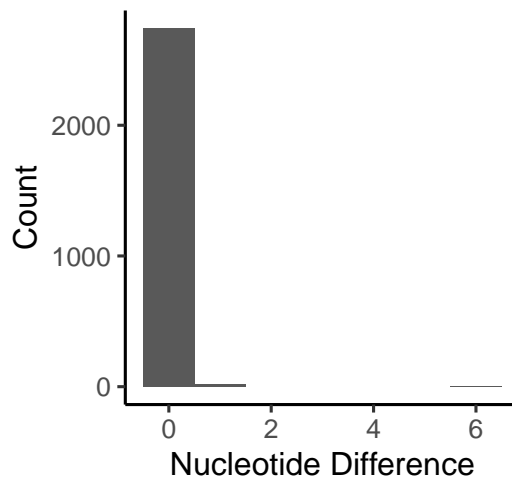
TRBV6-56*ap01

4391 sequences assigned
4323 (98.5%) exact matches, in which:
4235 unique CDR3
13 unique J



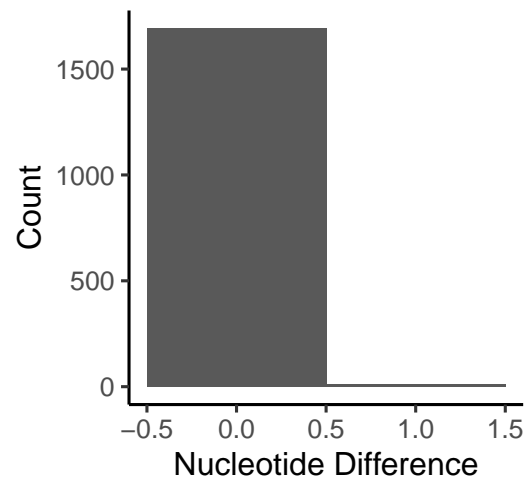
TRBV7-2*ap01

2764 sequences assigned
2741 (99.2%) exact matches, in which:
2688 unique CDR3
13 unique J



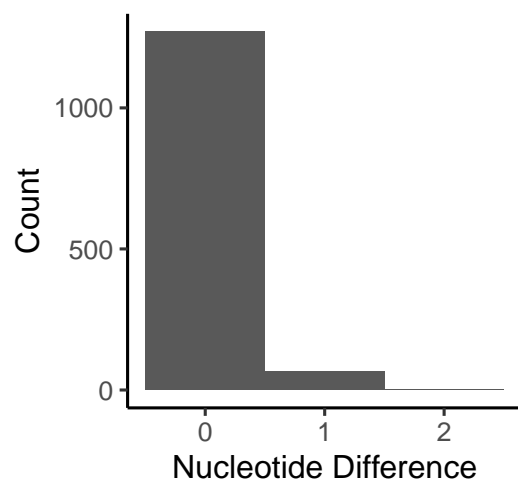
TRBV7-6*ap01

1703 sequences assigned
1692 (99.4%) exact matches, in which:
1658 unique CDR3
13 unique J



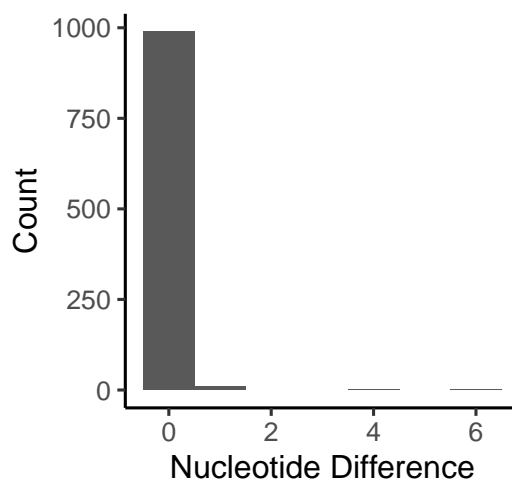
TRBV6-56*ap02

1338 sequences assigned
1270 (94.9%) exact matches, in which:
1258 unique CDR3
13 unique J



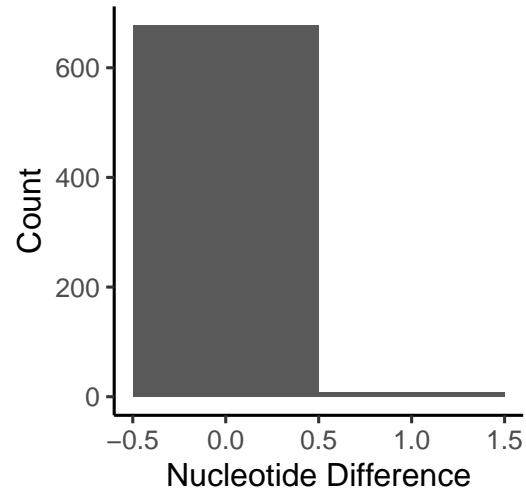
TRBV7-3*ap03

1000 sequences assigned
989 (98.9%) exact matches, in which:
969 unique CDR3
13 unique J



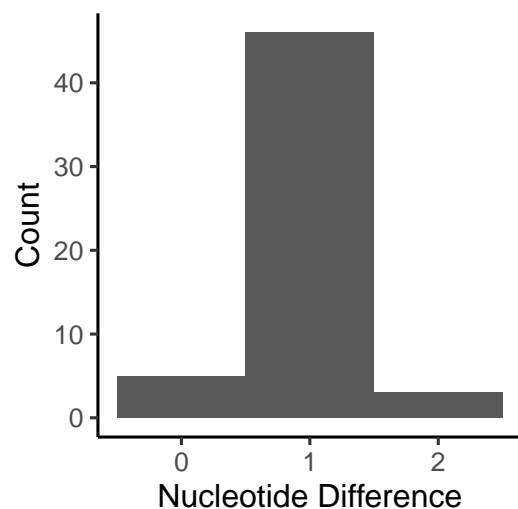
TRBV7-7*ap01_C315T

686 sequences assigned
678 (98.8%) exact matches, in which:
666 unique CDR3
13 unique J



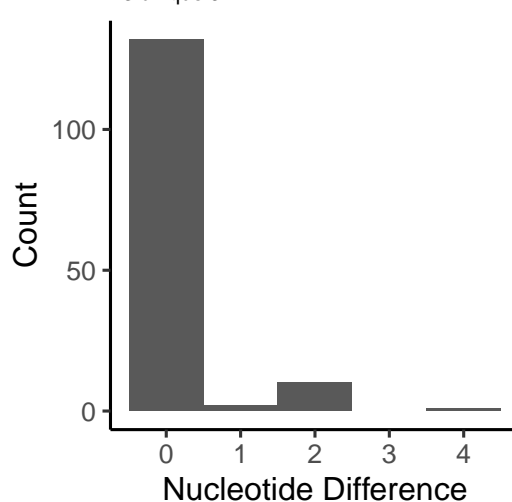
TRBV7-1*ap01_T296C

54 sequences assigned
5 (9.3%) exact matches, in which:
5 unique CDR3
3 unique J



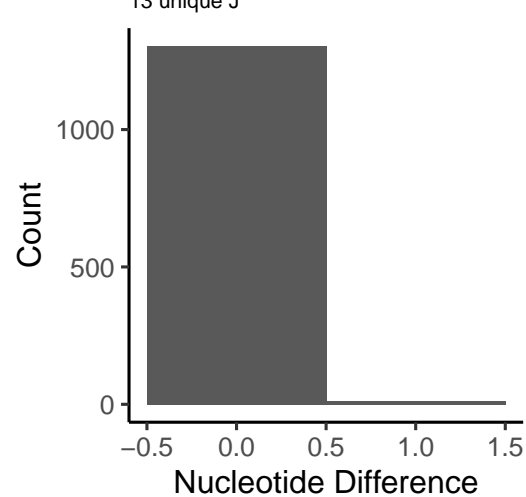
TRBV7-4*ap01

145 sequences assigned
132 (91%) exact matches, in which:
132 unique CDR3
13 unique J



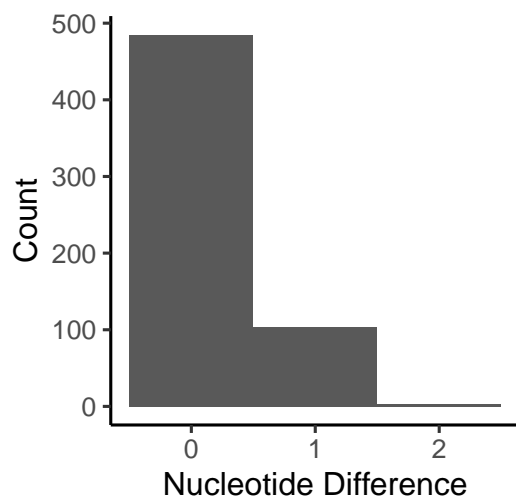
TRBV7-8*ap01

1317 sequences assigned
1304 (99%) exact matches, in which:
1275 unique CDR3
13 unique J



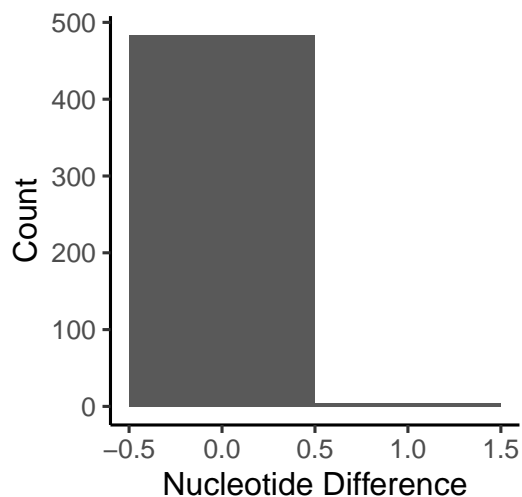
TRBV7-8*ap03

592 sequences assigned
485 (81.9%) exact matches, in which:
477 unique CDR3
13 unique J



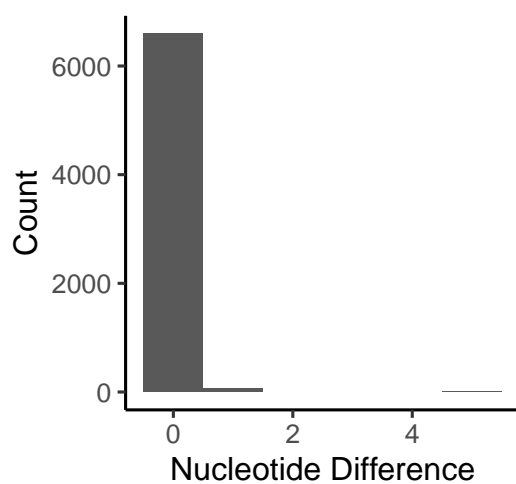
TRBV29-1*ap02

488 sequences assigned
484 (99.2%) exact matches, in which:
480 unique CDR3
13 unique J



TRBV7-9*ap01

6659 sequences assigned
6594 (99%) exact matches, in which:
6478 unique CDR3
13 unique J



TRBV29-1*ap01

2693 sequences assigned
2656 (98.6%) exact matches, in which:
2617 unique CDR3
13 unique J

