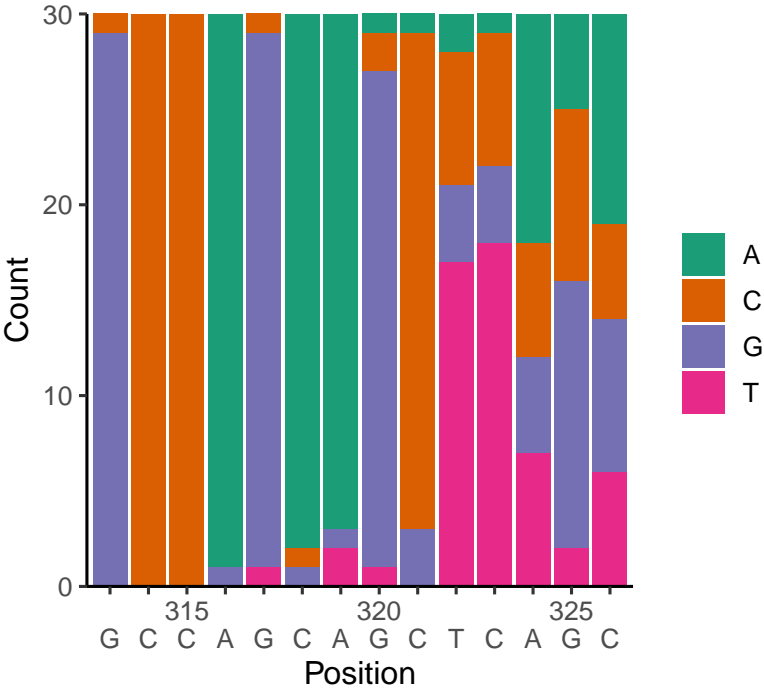
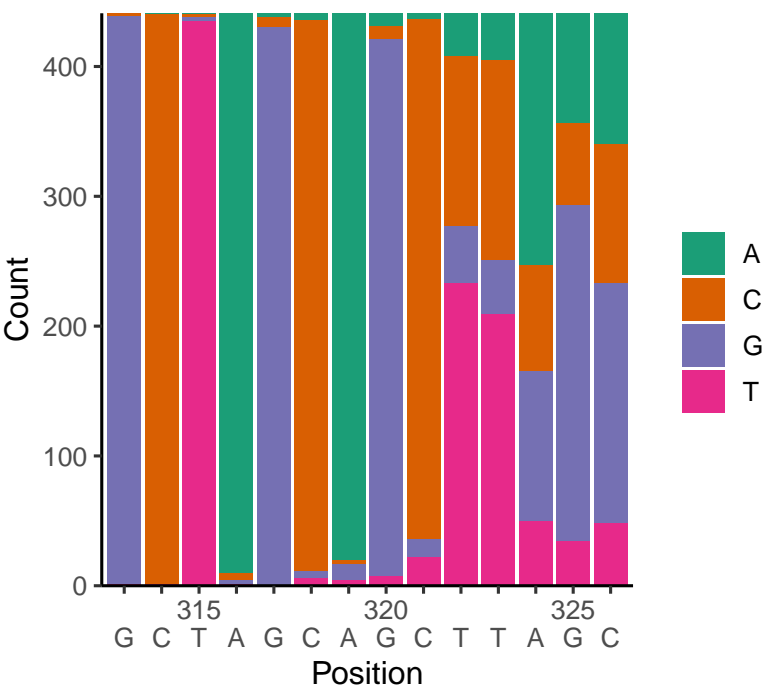


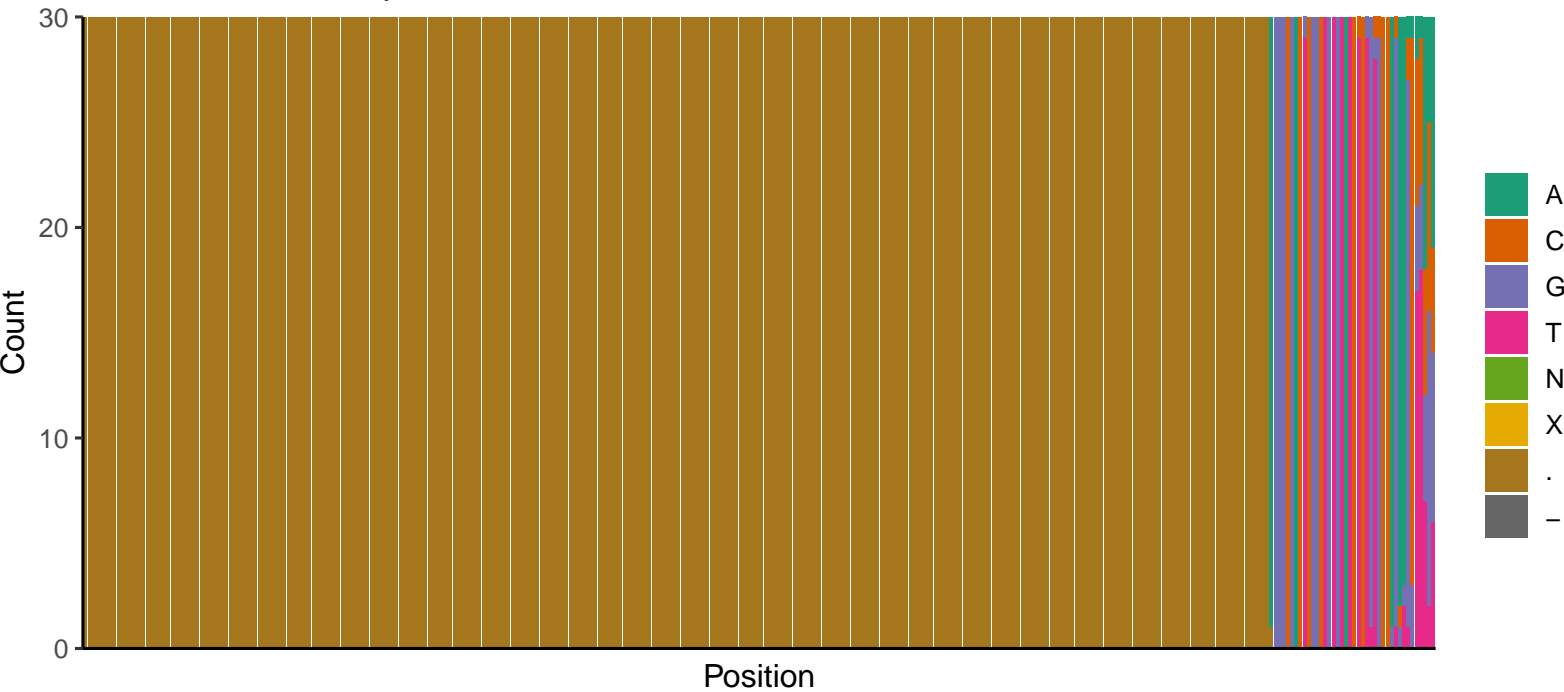
Gene TRBV7-1*ap01_G291C_T296C



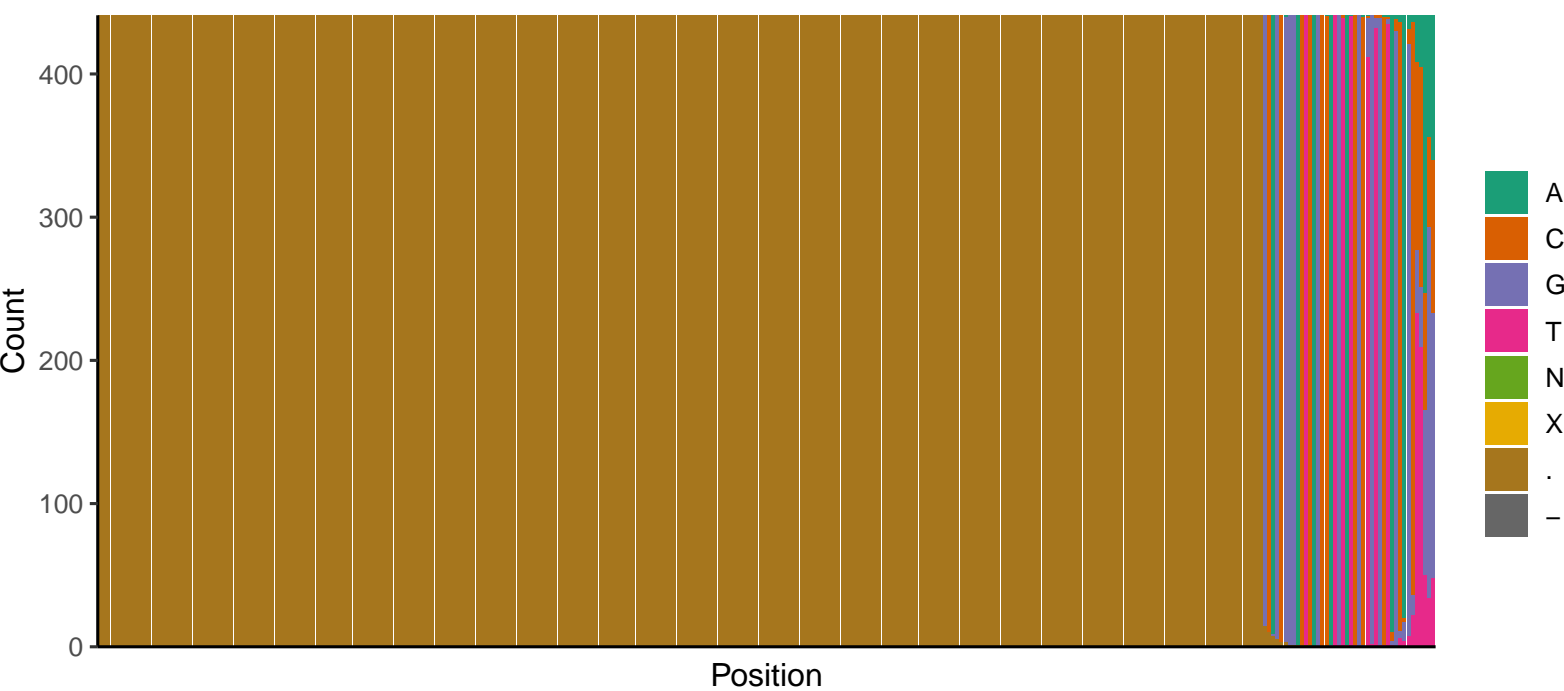
Gene TRBV7-7*ap01_C315T



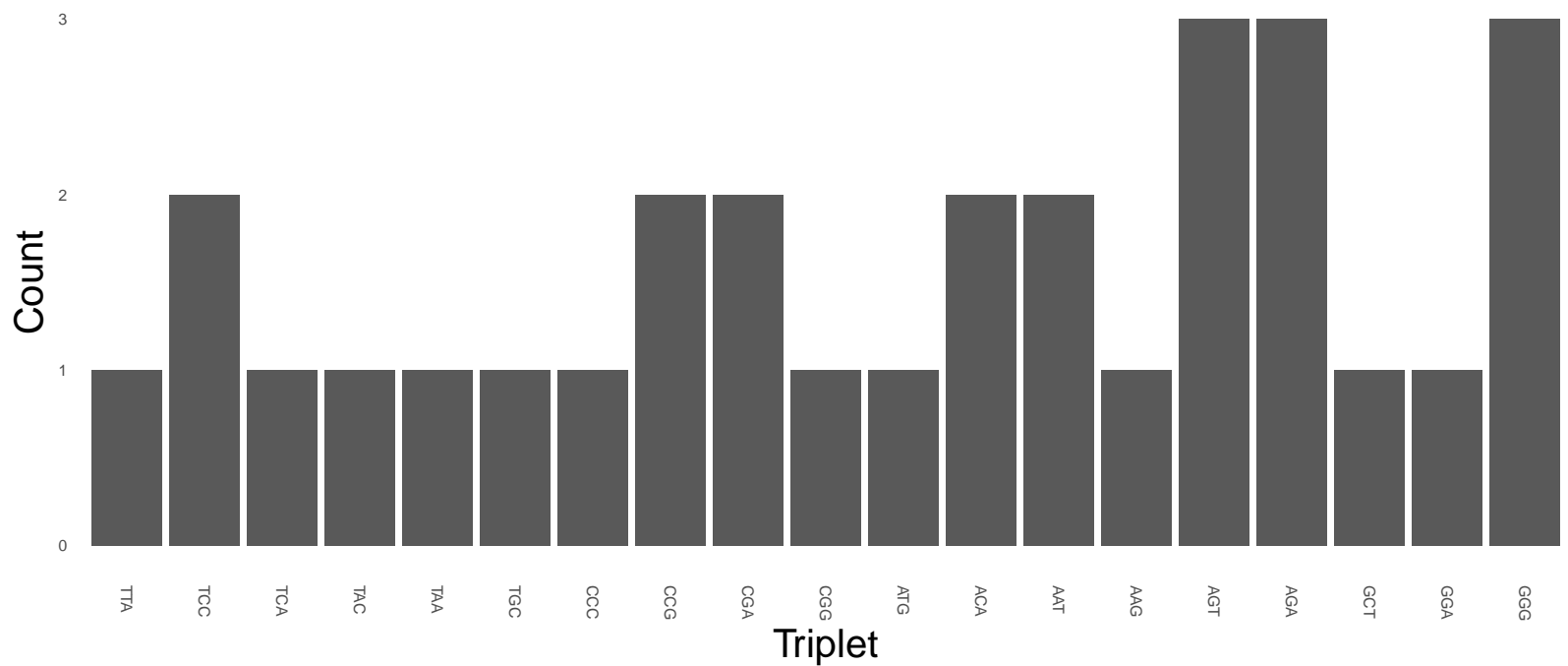
Gene TRBV7-1*ap01_G291C_T296C



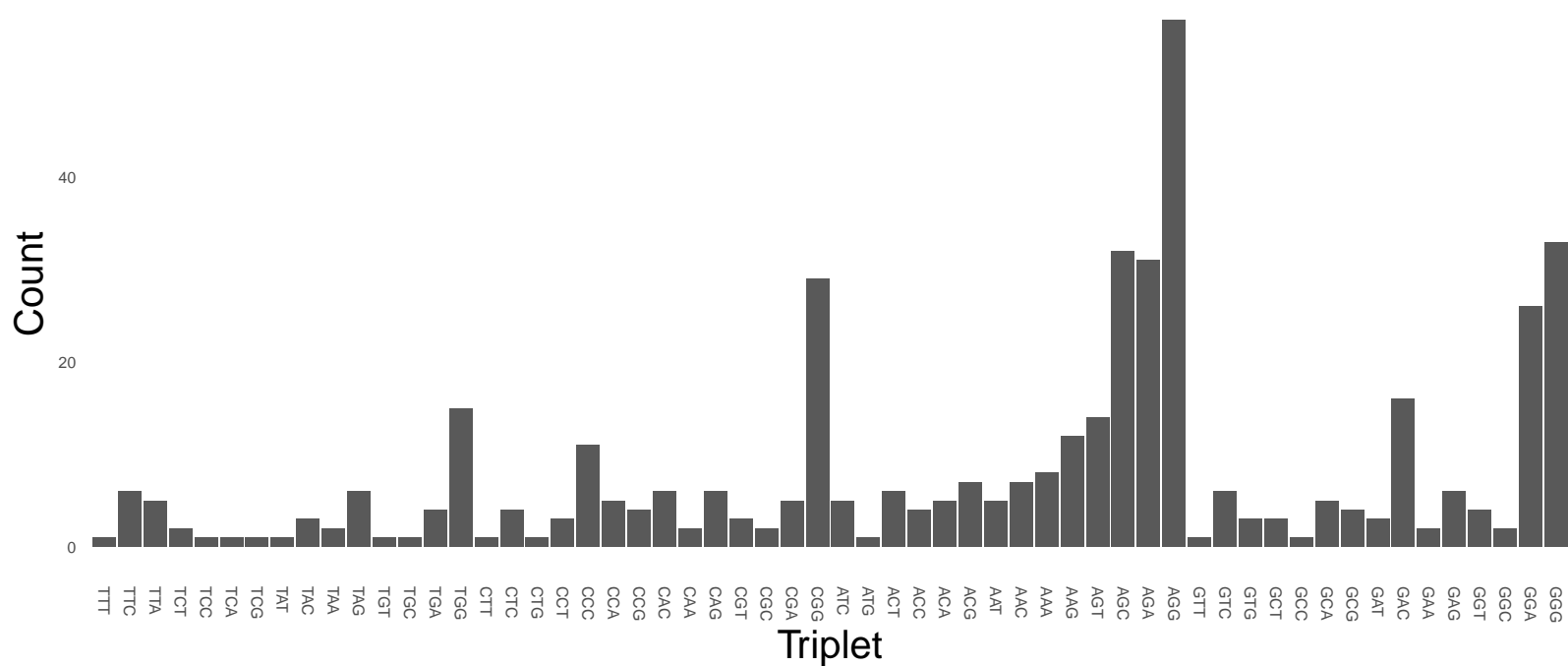
Gene TRBV7-7*ap01_C315T



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

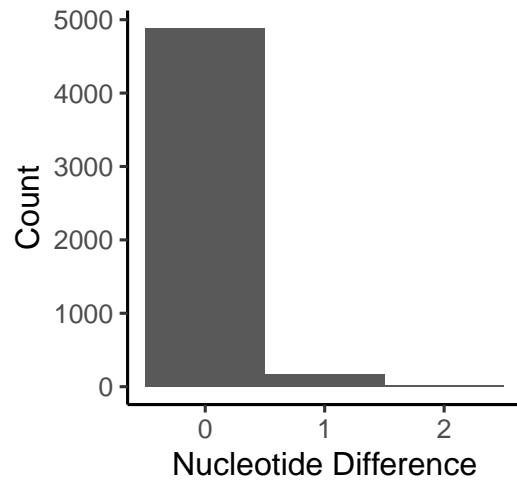


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



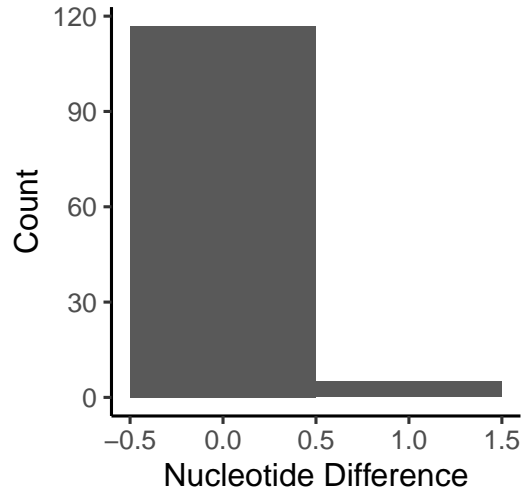
TRBV20-1*ap01

5064 sequences assigned
4881 (96.4%) exact matches, in which:
4739 unique CDR3
13 unique J



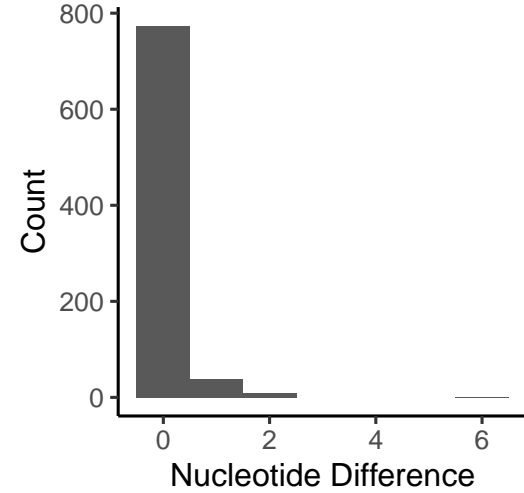
TRBV10-2*ap01

122 sequences assigned
117 (95.9%) exact matches, in which:
114 unique CDR3
12 unique J



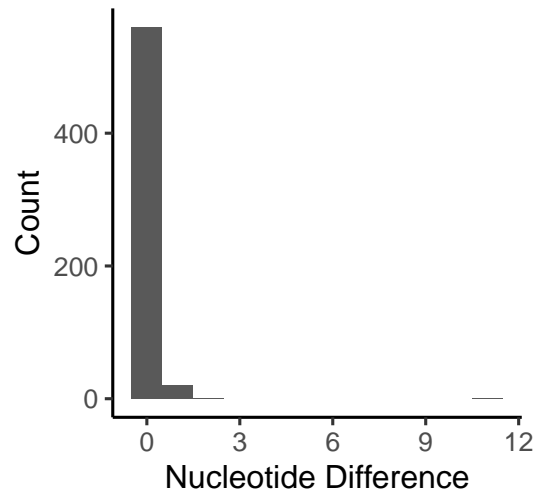
TRBV13*ap01

822 sequences assigned
774 (94.2%) exact matches, in which:
756 unique CDR3
13 unique J



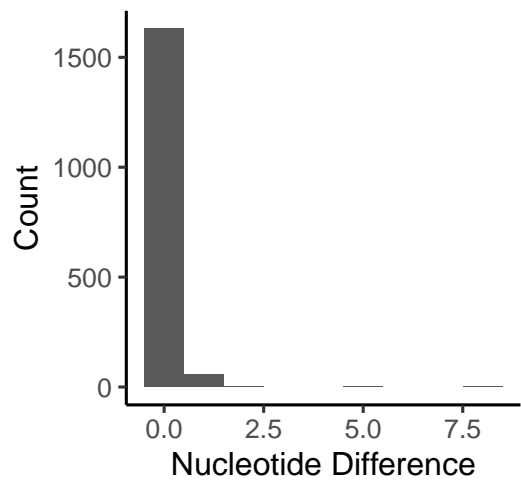
TRBV10-1*ap01

582 sequences assigned
560 (96.2%) exact matches, in which:
547 unique CDR3
13 unique J



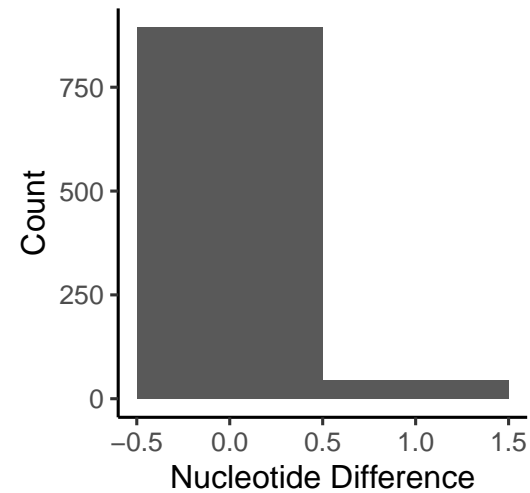
TRBV10-3*ap01

1693 sequences assigned
1630 (96.3%) exact matches, in which:
1579 unique CDR3
13 unique J



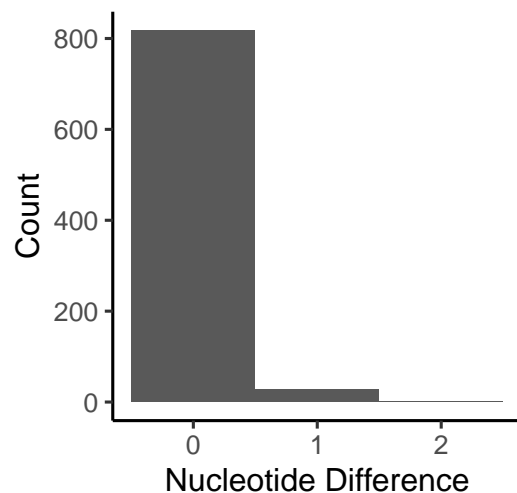
TRBV14*ap01

939 sequences assigned
895 (95.3%) exact matches, in which:
861 unique CDR3
13 unique J



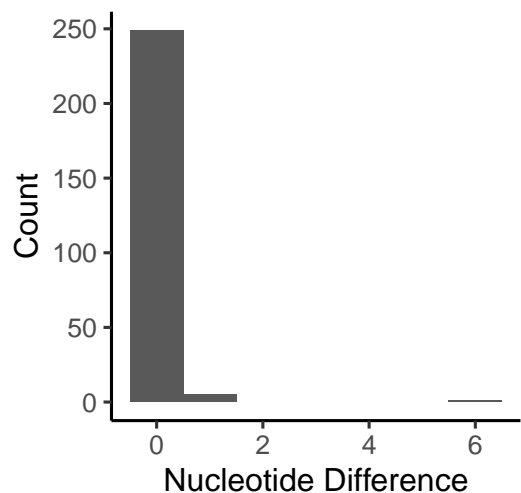
TRBV20-1*ap02

848 sequences assigned
818 (96.5%) exact matches, in which:
780 unique CDR3
13 unique J



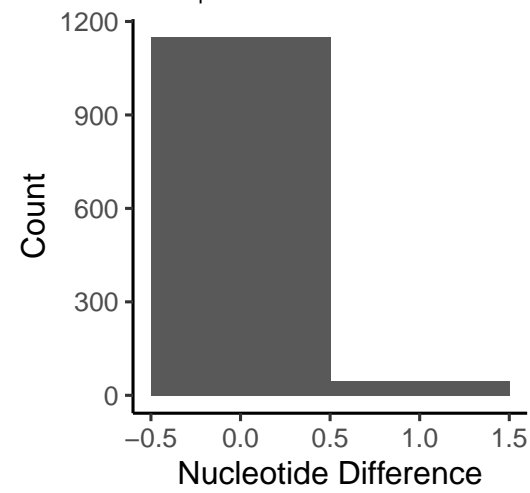
TRBV1*ap01

255 sequences assigned
249 (97.6%) exact matches, in which:
243 unique CDR3
13 unique J



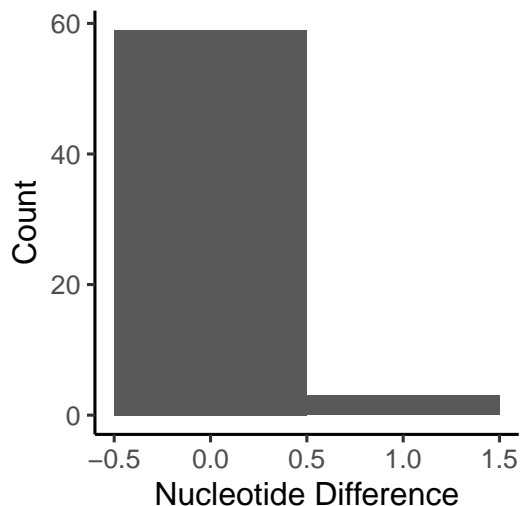
TRBV15*ap02

1196 sequences assigned
1150 (96.2%) exact matches, in which:
1119 unique CDR3
13 unique J



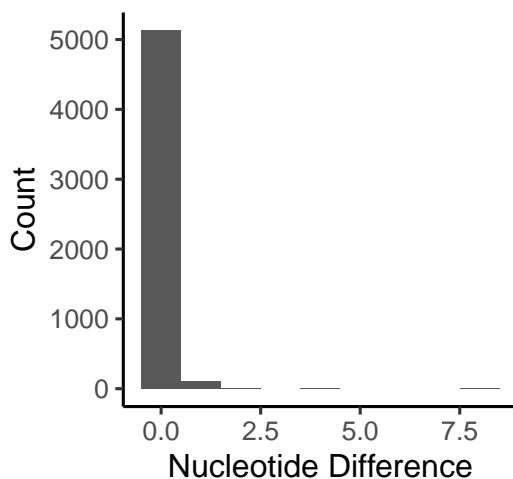
TRBV16*ap01

62 sequences assigned
59 (95.2%) exact matches, in which:
58 unique CDR3
12 unique J



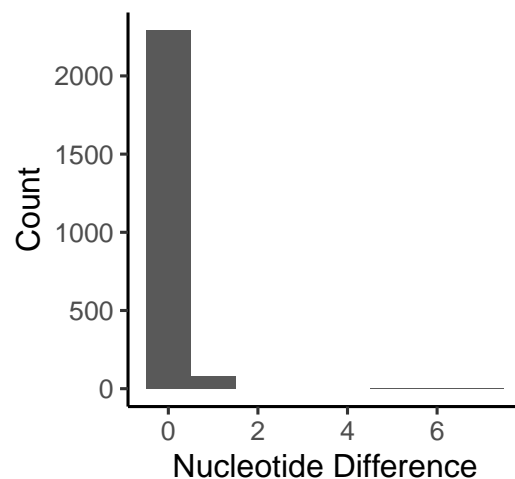
TRBV19*ap01

5251 sequences assigned
5131 (97.7%) exact matches, in which:
5007 unique CDR3
13 unique J



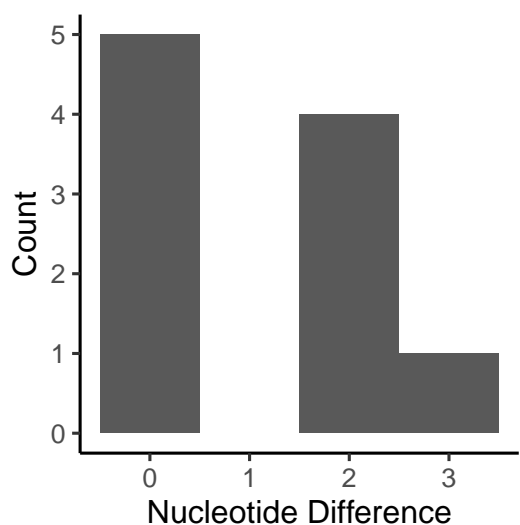
TRBV27*ap01

2378 sequences assigned
2291 (96.3%) exact matches, in which:
2218 unique CDR3
13 unique J



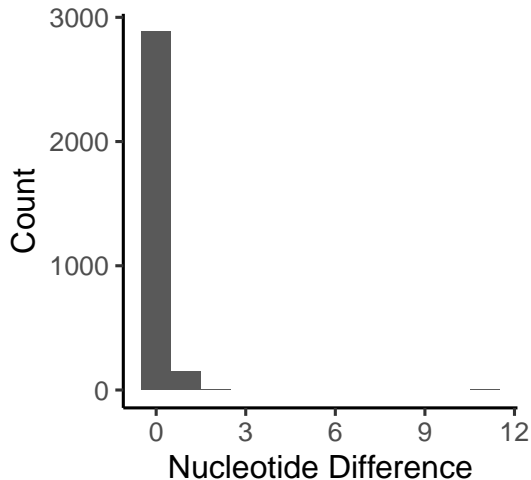
TRBV17*ap01

10 sequences assigned
5 (50%) exact matches, in which:
5 unique CDR3
4 unique J



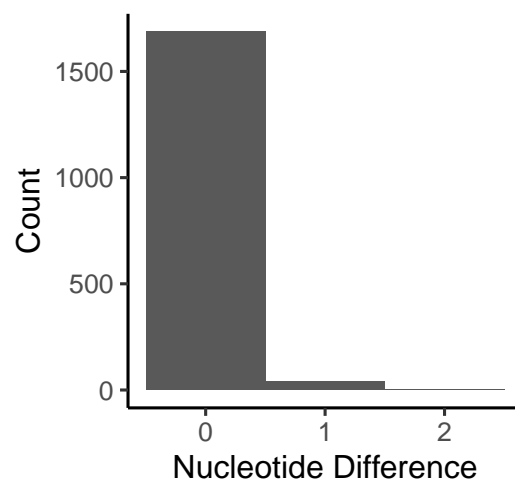
TRBV2*ap01

3038 sequences assigned
2884 (94.9%) exact matches, in which:
2797 unique CDR3
13 unique J



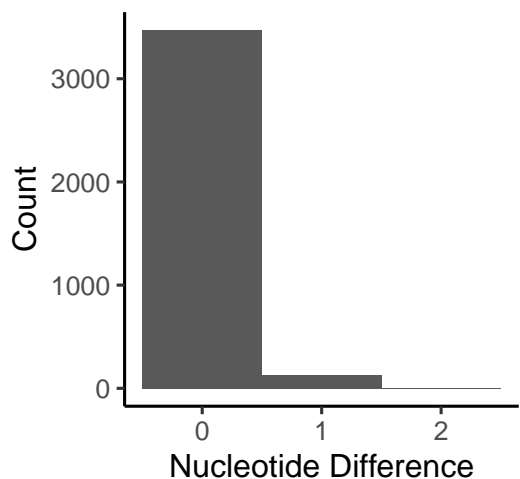
TRBV28*ap01

1726 sequences assigned
1687 (97.7%) exact matches, in which:
1629 unique CDR3
14 unique J



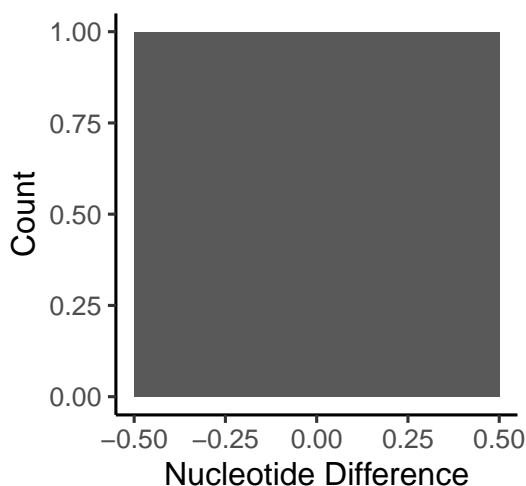
TRBV18*ap01

3601 sequences assigned
3472 (96.4%) exact matches, in which:
3387 unique CDR3
13 unique J



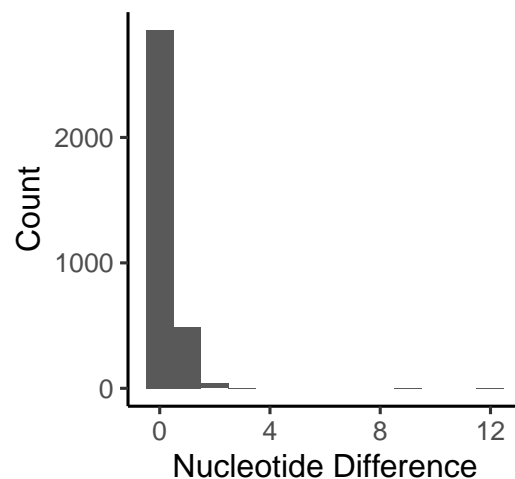
TRBV26*ap01

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



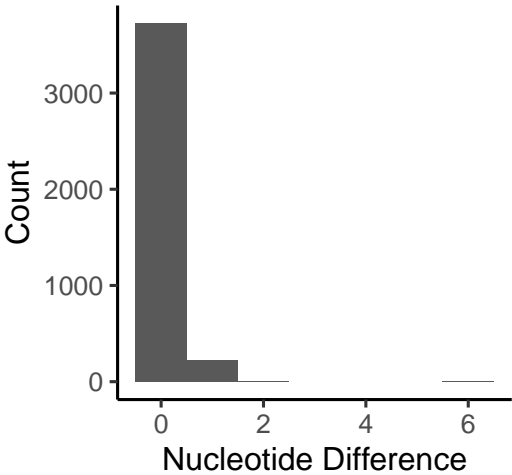
TRBV30*ap01

3386 sequences assigned
2856 (84.3%) exact matches, in which:
2676 unique CDR3
13 unique J



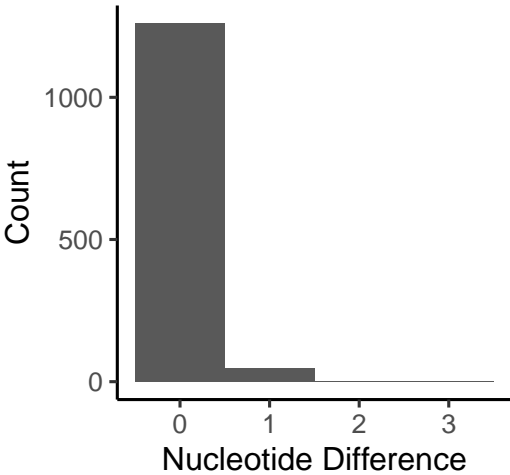
TRBV9*ap01

3945 sequences assigned
3724 (94.4%) exact matches, in which:
3636 unique CDR3
13 unique J



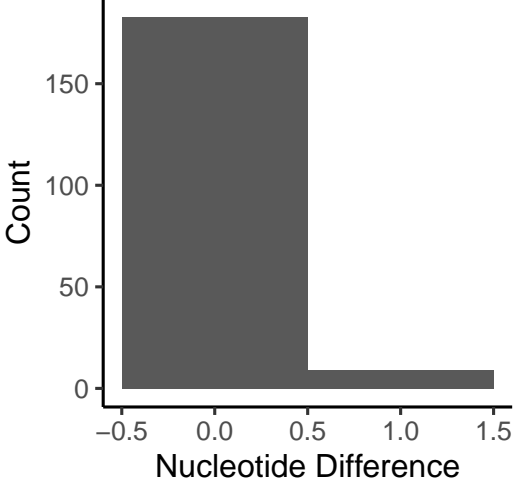
TRBV11-2*ap01

1310 sequences assigned
1260 (96.2%) exact matches, in which:
1220 unique CDR3
13 unique J



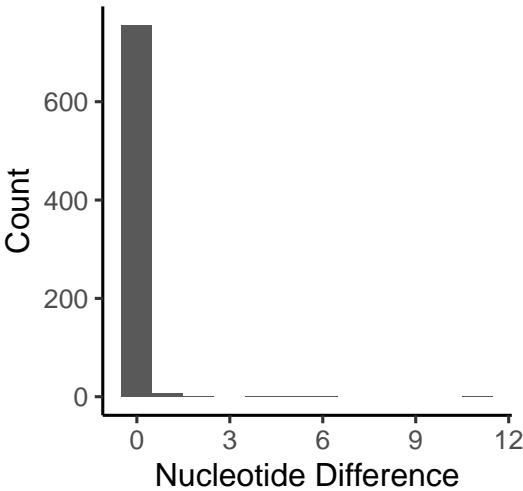
TRBV12-2*ap01

192 sequences assigned
183 (95.3%) exact matches, in which:
180 unique CDR3
13 unique J



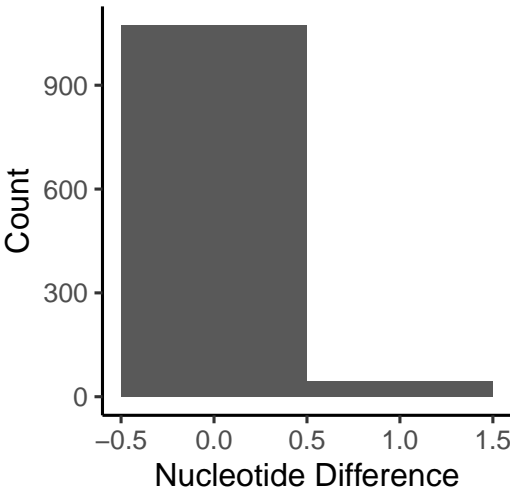
TRBV21-1*ap01

769 sequences assigned
756 (98.3%) exact matches, in which:
735 unique CDR3
13 unique J



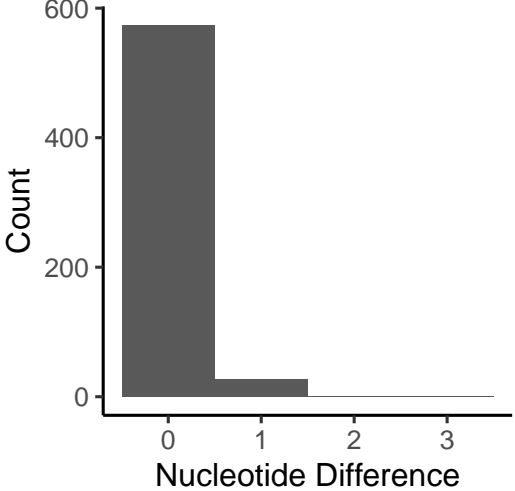
TRBV11-3*ap01

1119 sequences assigned
1074 (96%) exact matches, in which:
1046 unique CDR3
13 unique J



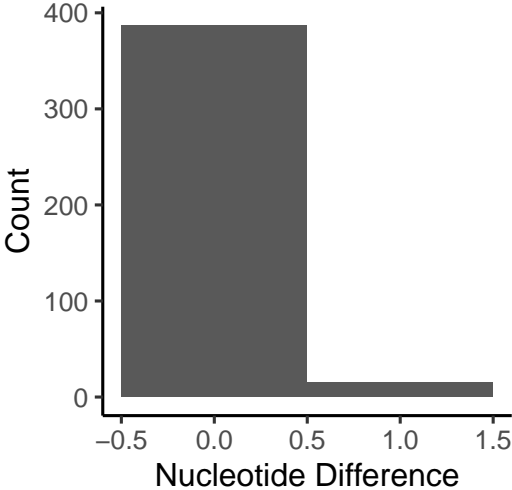
TRBV12-5*ap01

603 sequences assigned
574 (95.2%) exact matches, in which:
561 unique CDR3
13 unique J



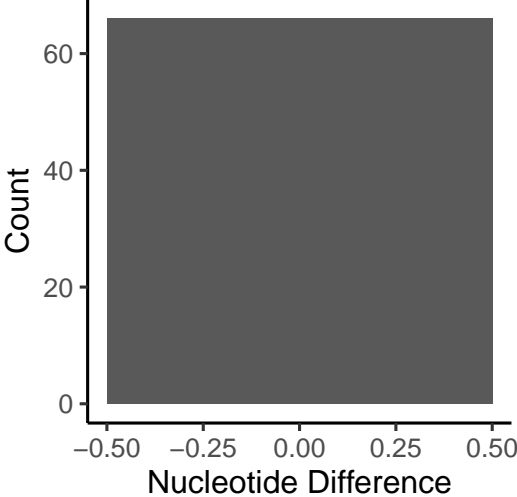
TRBV11-1*ap01

402 sequences assigned
387 (96.3%) exact matches, in which:
376 unique CDR3
13 unique J



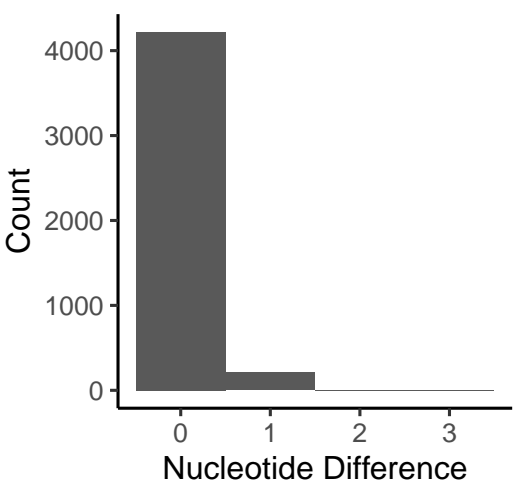
TRBV12-1*ap01

66 sequences assigned
66 (100%) exact matches, in which:
66 unique CDR3
12 unique J



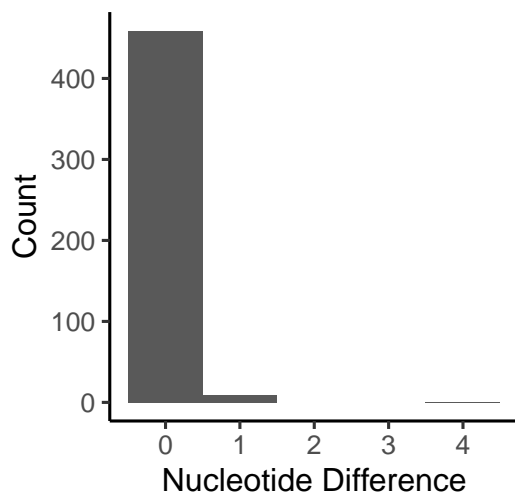
TRBV12-34*ap01

4433 sequences assigned
4219 (95.2%) exact matches, in which:
4068 unique CDR3
13 unique J



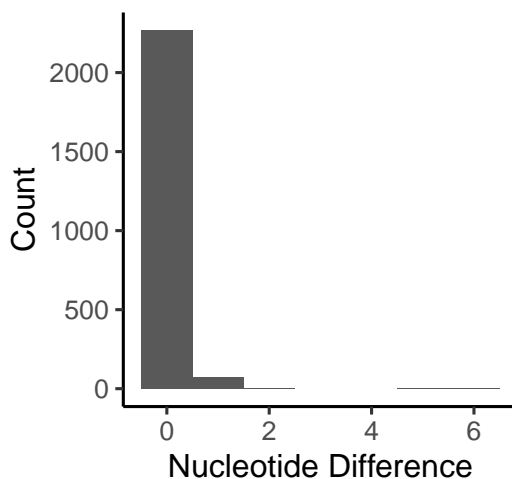
TRBV23-1*ap01

469 sequences assigned
459 (97.9%) exact matches, in which:
447 unique CDR3
13 unique J



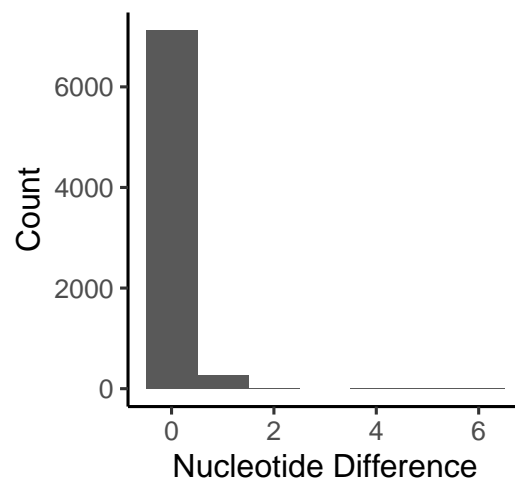
TRBV24-1*ap01

2347 sequences assigned
2267 (96.6%) exact matches, in which:
2194 unique CDR3
13 unique J



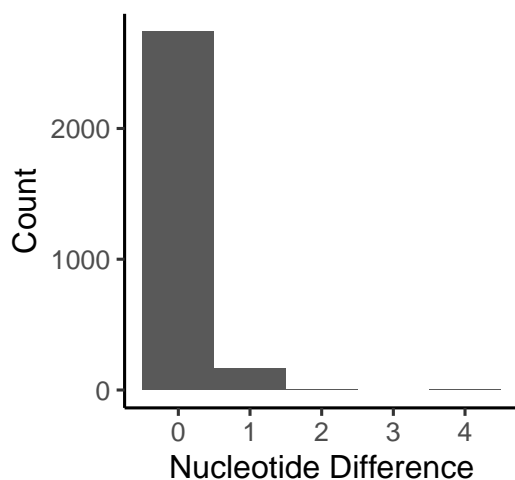
TRBV5-1*ap01

7405 sequences assigned
7122 (96.2%) exact matches, in which:
6877 unique CDR3
13 unique J



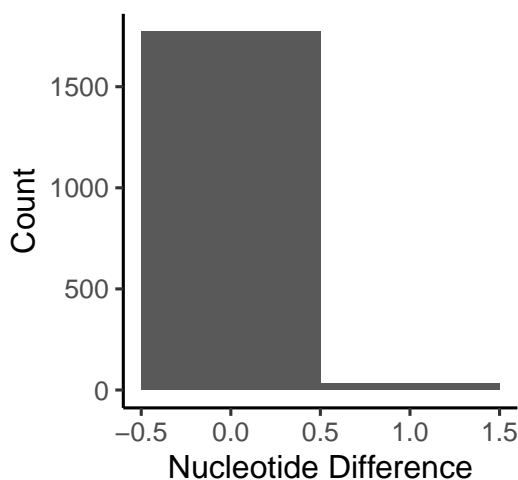
TRBV3-12*ap01

2911 sequences assigned
2740 (94.1%) exact matches, in which:
2671 unique CDR3
13 unique J



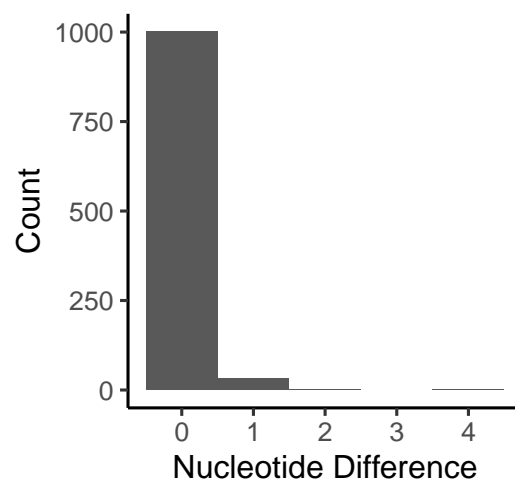
TRBV4-2*ap01

1805 sequences assigned
1772 (98.2%) exact matches, in which:
1742 unique CDR3
13 unique J



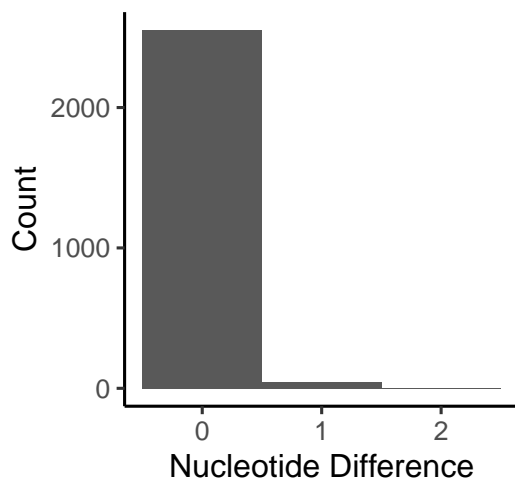
TRBV25-1*ap01

1037 sequences assigned
1001 (96.5%) exact matches, in which:
965 unique CDR3
13 unique J



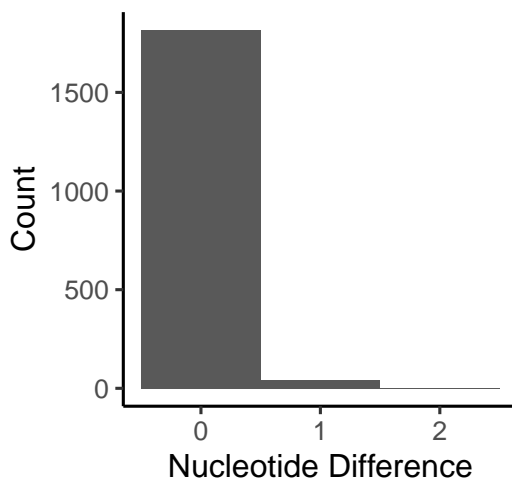
TRBV4-1*ap01

2599 sequences assigned
2552 (98.2%) exact matches, in which:
2495 unique CDR3
13 unique J



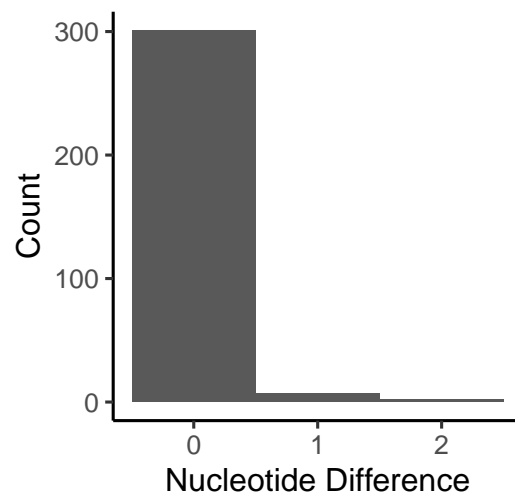
TRBV4-3*ap01

1859 sequences assigned
1816 (97.7%) exact matches, in which:
1768 unique CDR3
13 unique J



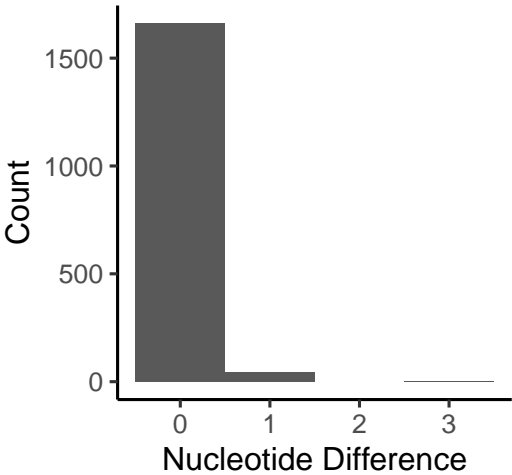
TRBV5-3*ap01

310 sequences assigned
301 (97.1%) exact matches, in which:
294 unique CDR3
13 unique J



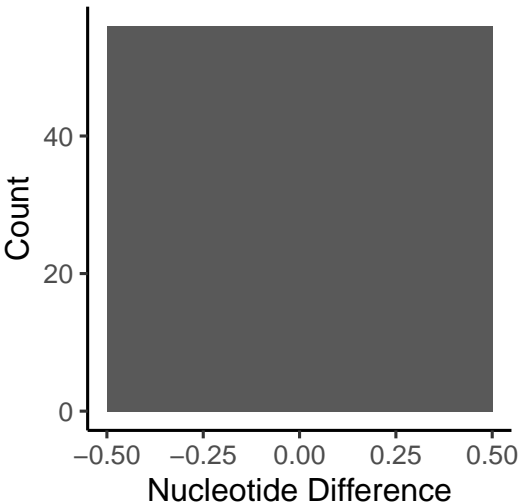
TRBV5-4*ap01

1705 sequences assigned
1661 (97.4%) exact matches, in which:
1614 unique CDR3
13 unique J



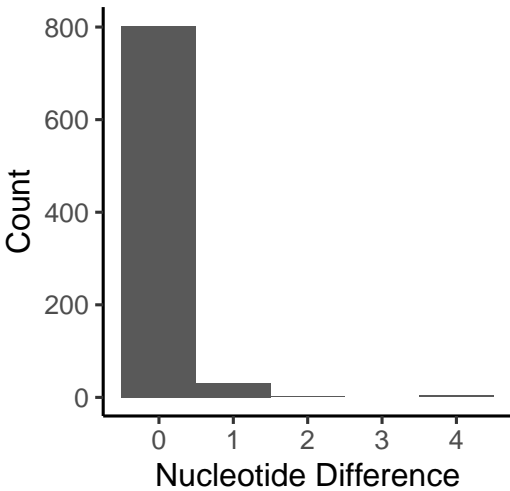
TRBV5-7*ap01

56 sequences assigned
56 (100%) exact matches, in which:
53 unique CDR3
12 unique J



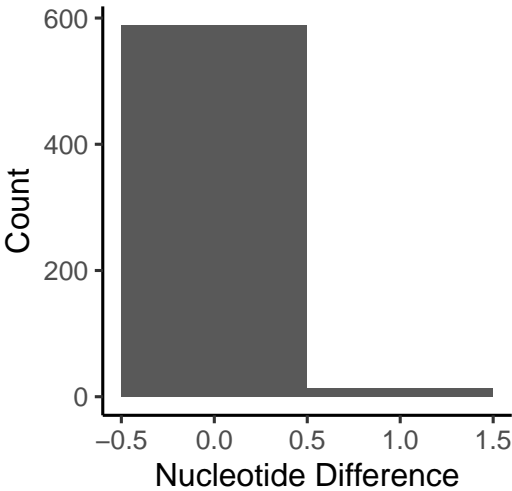
TRBV6-4*ap01

840 sequences assigned
803 (95.6%) exact matches, in which:
783 unique CDR3
13 unique J



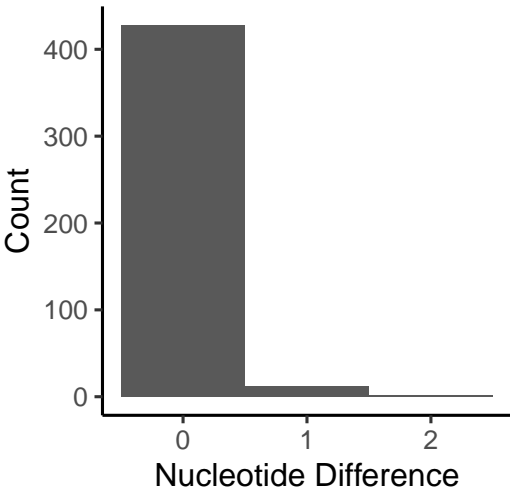
TRBV5-5*ap01

602 sequences assigned
589 (97.8%) exact matches, in which:
557 unique CDR3
13 unique J



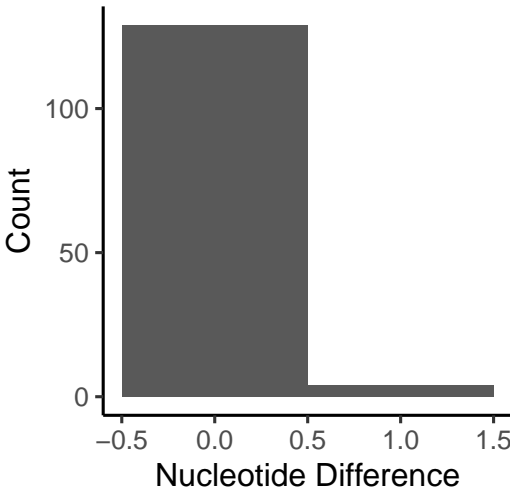
TRBV5-8*ap01

442 sequences assigned
428 (96.8%) exact matches, in which:
412 unique CDR3
13 unique J



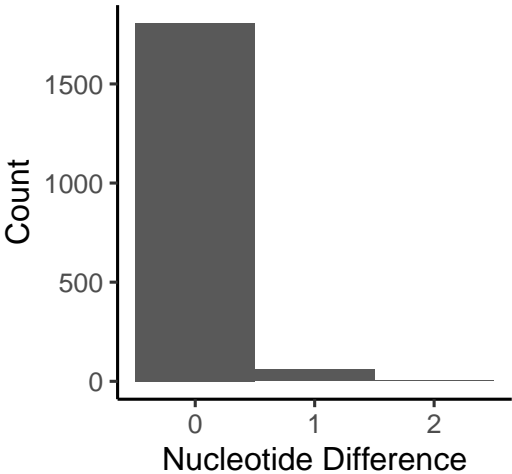
TRBV6-7*ap01

133 sequences assigned
129 (97%) exact matches, in which:
125 unique CDR3
11 unique J



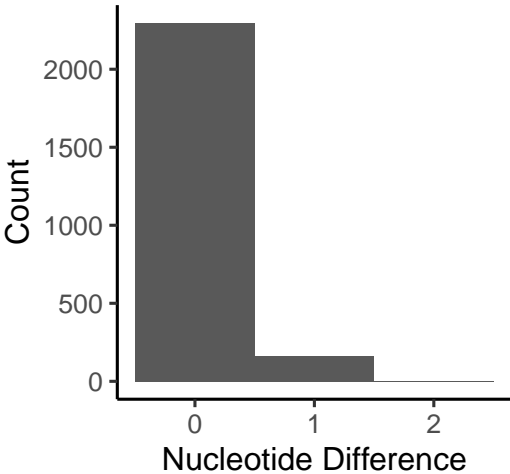
TRBV5-6*ap01

1872 sequences assigned
1807 (96.5%) exact matches, in which:
1712 unique CDR3
13 unique J



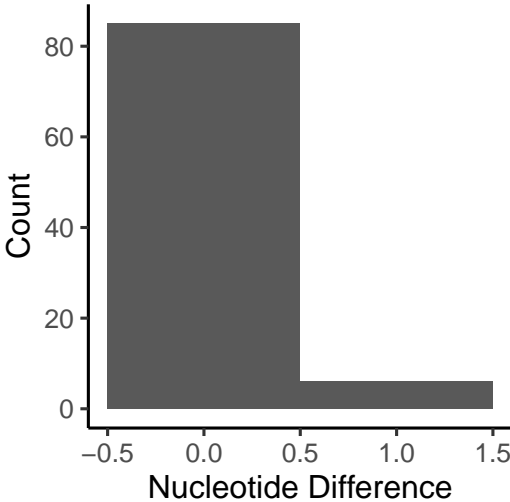
TRBV6-1*ap01

2463 sequences assigned
2296 (93.2%) exact matches, in which:
2227 unique CDR3
13 unique J



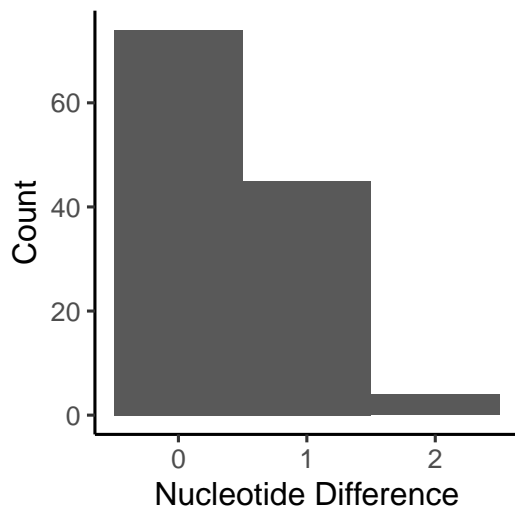
TRBV6-8*ap01

91 sequences assigned
85 (93.4%) exact matches, in which:
83 unique CDR3
11 unique J



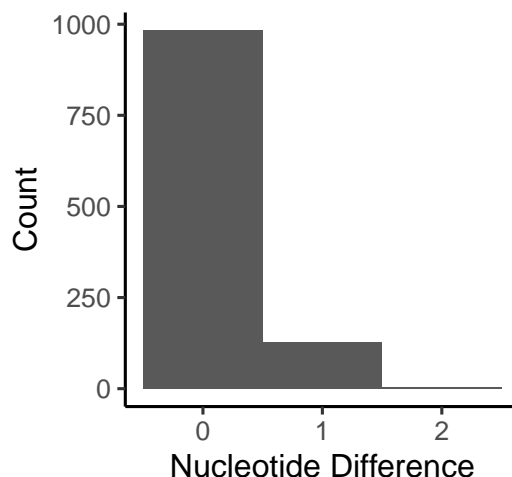
TRBV6–9*ap01

123 sequences assigned
74 (60.2%) exact matches, in which:
72 unique CDR3
12 unique J



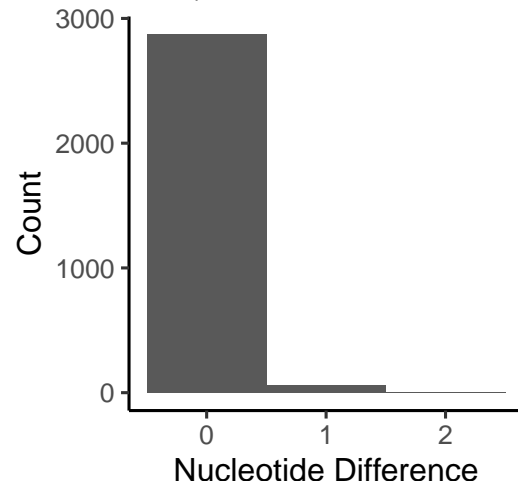
TRBV6–56*ap02

1114 sequences assigned
983 (88.2%) exact matches, in which:
946 unique CDR3
13 unique J



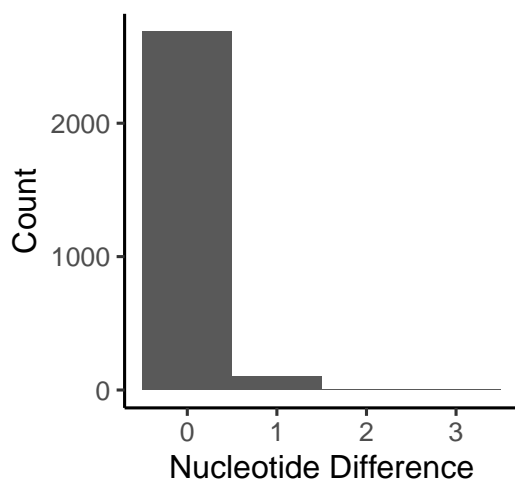
TRBV7–2*ap01

2935 sequences assigned
2872 (97.9%) exact matches, in which:
2754 unique CDR3
13 unique J



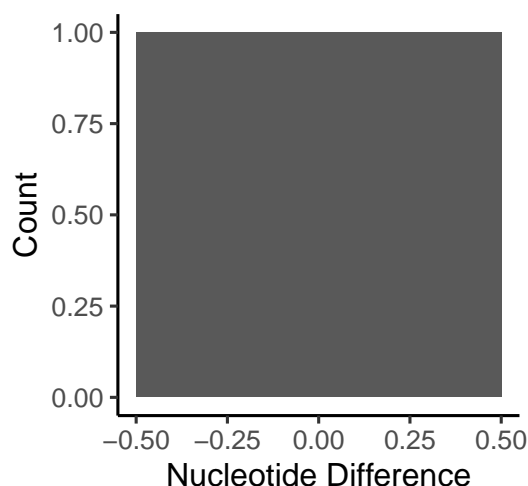
TRBV6–23*ap01

2792 sequences assigned
2686 (96.2%) exact matches, in which:
2604 unique CDR3
13 unique J



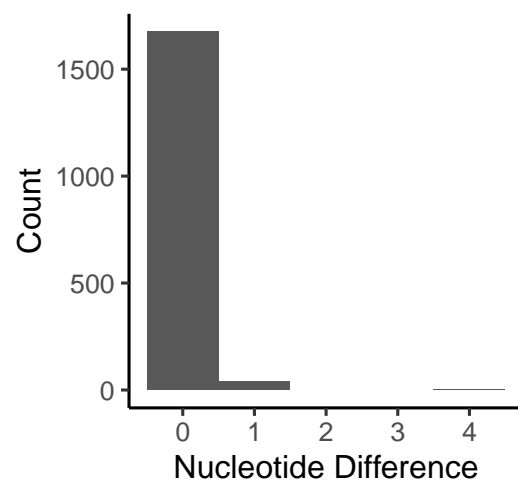
TRBV7–1*ap01

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



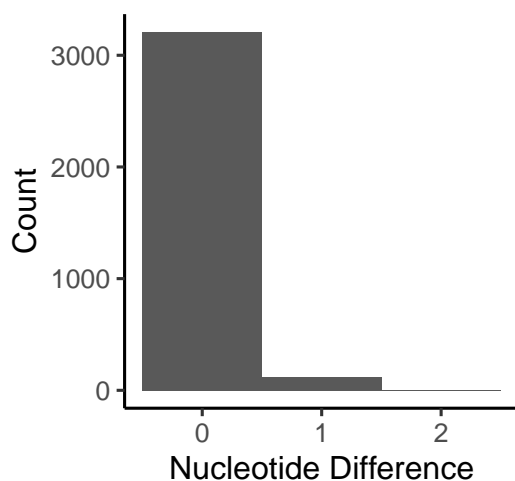
TRBV7–3*ap01

1718 sequences assigned
1675 (97.5%) exact matches, in which:
1611 unique CDR3
13 unique J



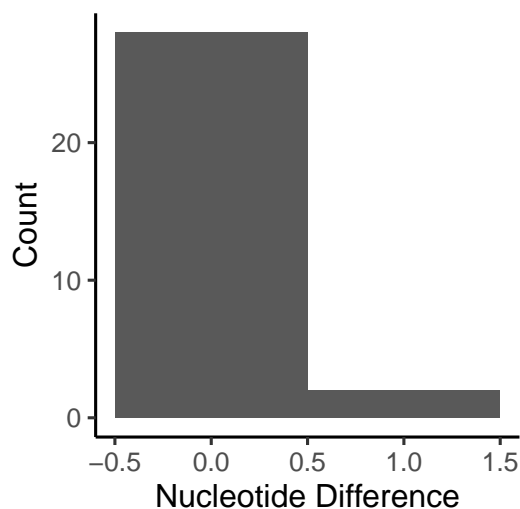
TRBV6–56*ap01

3330 sequences assigned
3208 (96.3%) exact matches, in which:
3126 unique CDR3
13 unique J



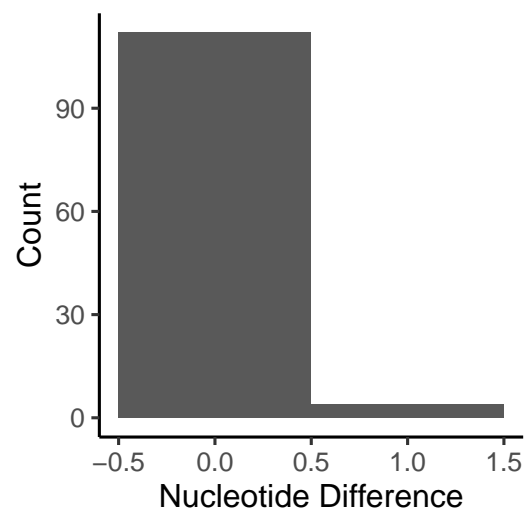
TRBV7–1*ap01_G291C_T

30 sequences assigned
28 (93.3%) exact matches, in which:
26 unique CDR3
9 unique J



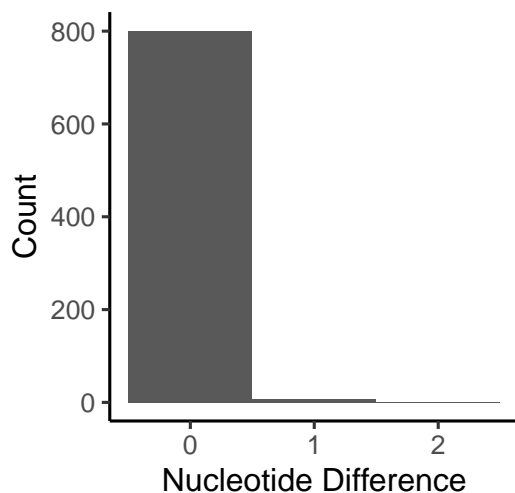
TRBV7–4*ap01

116 sequences assigned
112 (96.6%) exact matches, in which:
109 unique CDR3
13 unique J



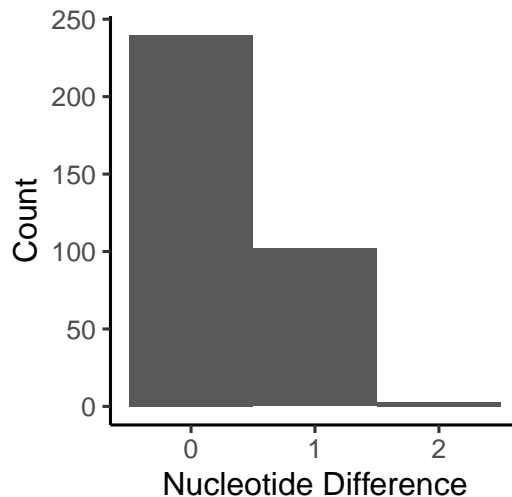
TRBV7-6*ap01

809 sequences assigned
801 (99%) exact matches, in which:
771 unique CDR3
13 unique J



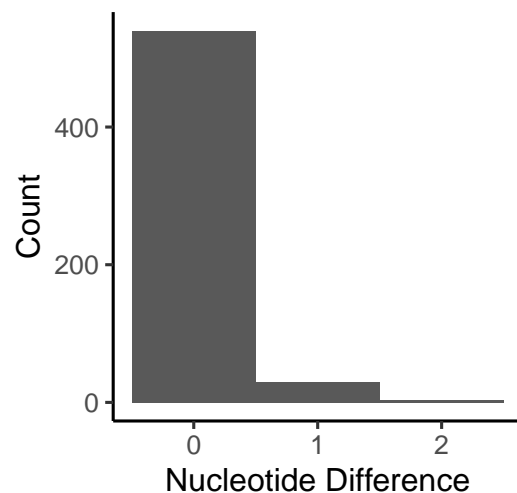
TRBV7-8*ap03

345 sequences assigned
240 (69.6%) exact matches, in which:
235 unique CDR3
13 unique J



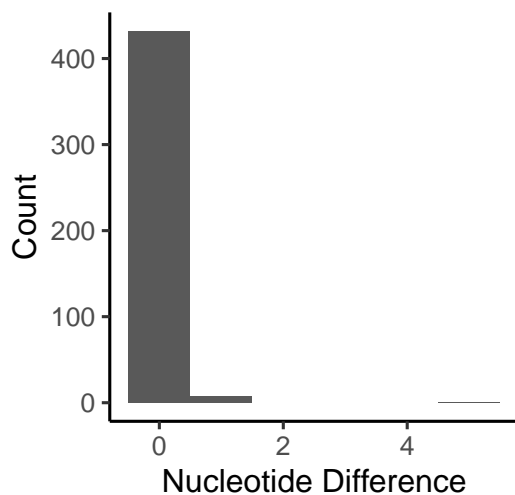
TRBV29-1*ap02

574 sequences assigned
540 (94.1%) exact matches, in which:
505 unique CDR3
13 unique J



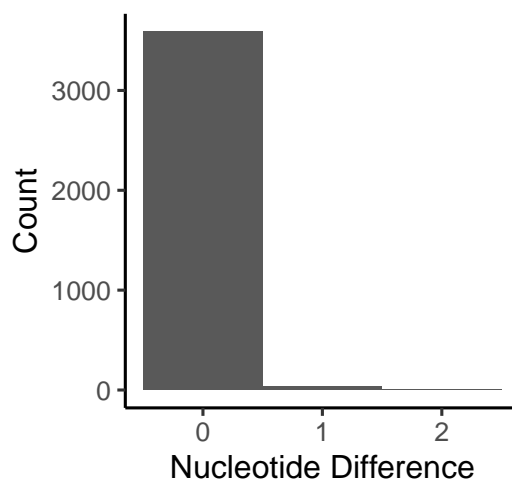
TRBV7-7*ap01_C315T

441 sequences assigned
432 (98%) exact matches, in which:
401 unique CDR3
13 unique J



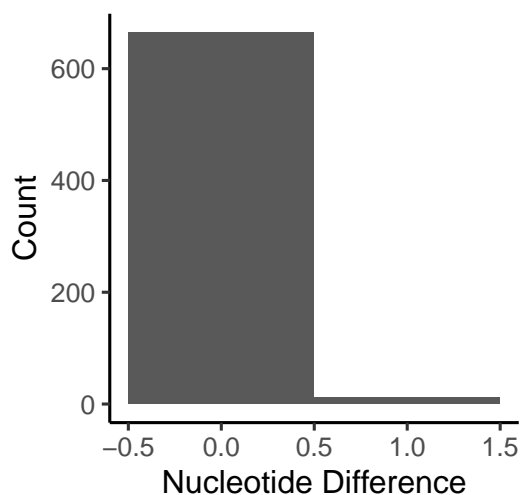
TRBV7-9*ap01

3624 sequences assigned
3588 (99%) exact matches, in which:
3468 unique CDR3
13 unique J



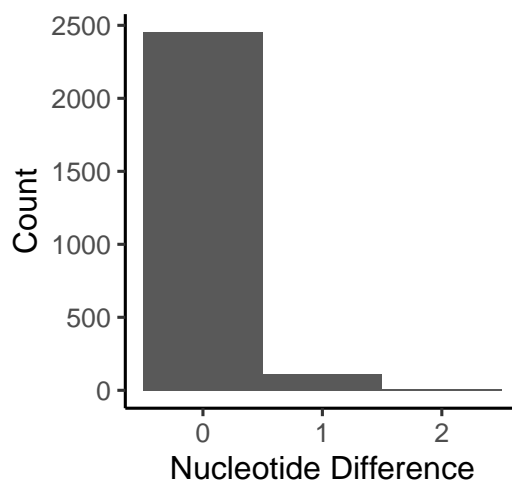
TRBV7-8*ap01

677 sequences assigned
665 (98.2%) exact matches, in which:
643 unique CDR3
13 unique J

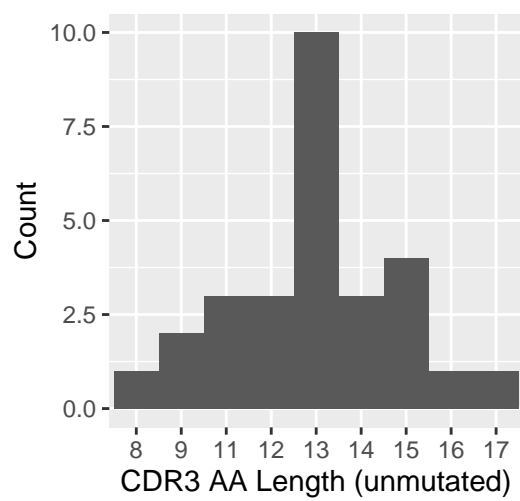


TRBV29-1*ap01

2576 sequences assigned
2454 (95.3%) exact matches, in which:
2331 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

