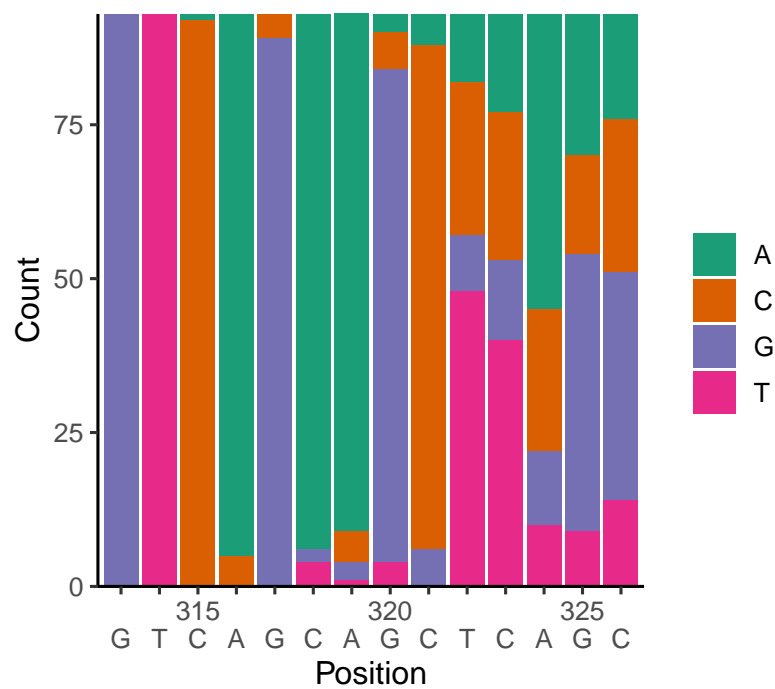
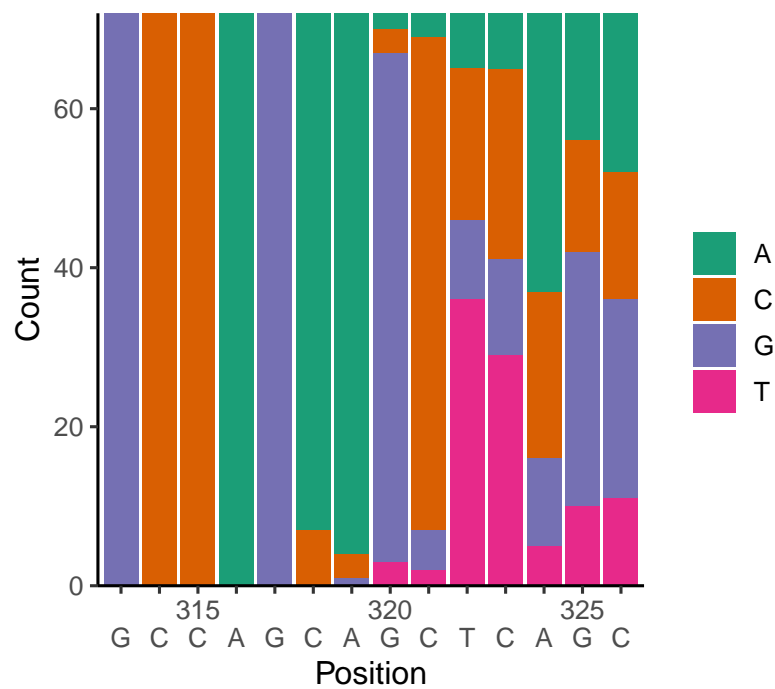


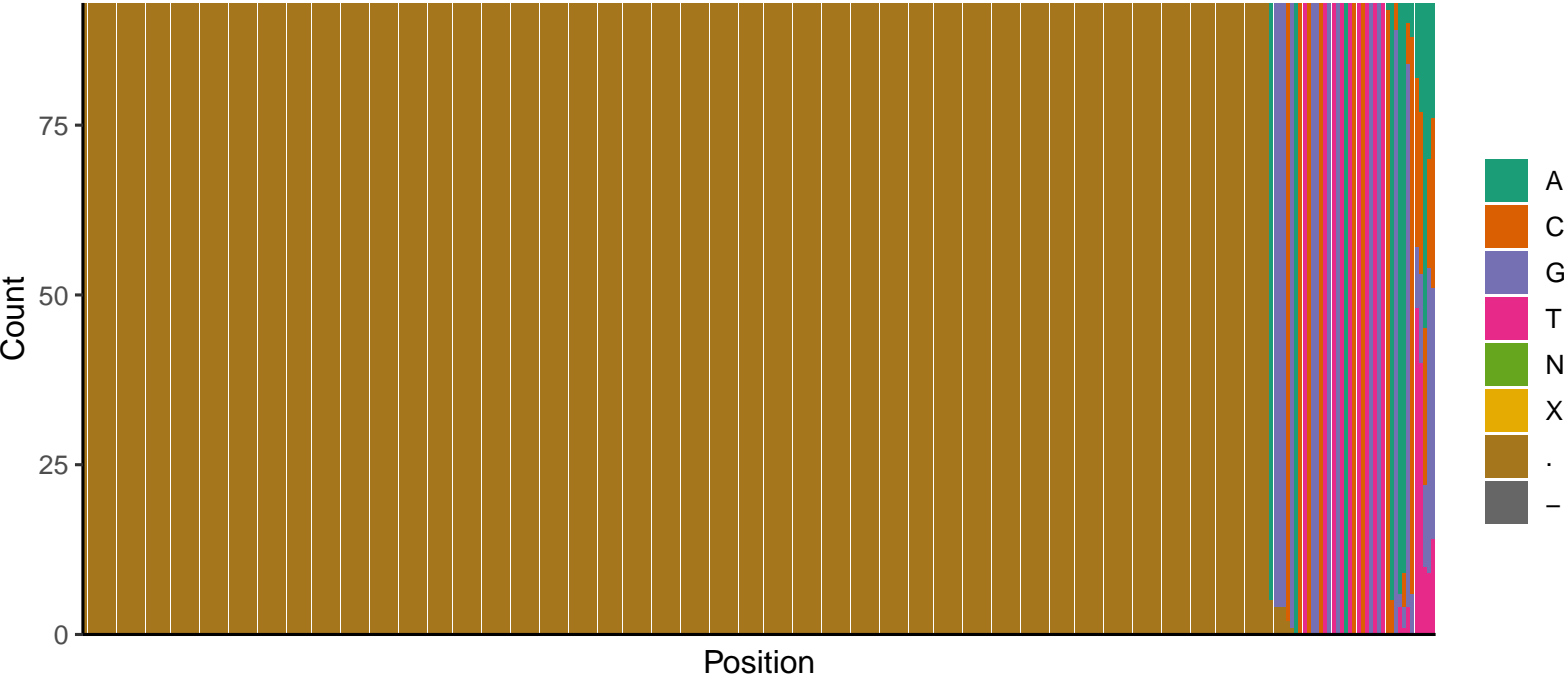
Gene TRBV7-1*ap01_G291C_T296C_C314T



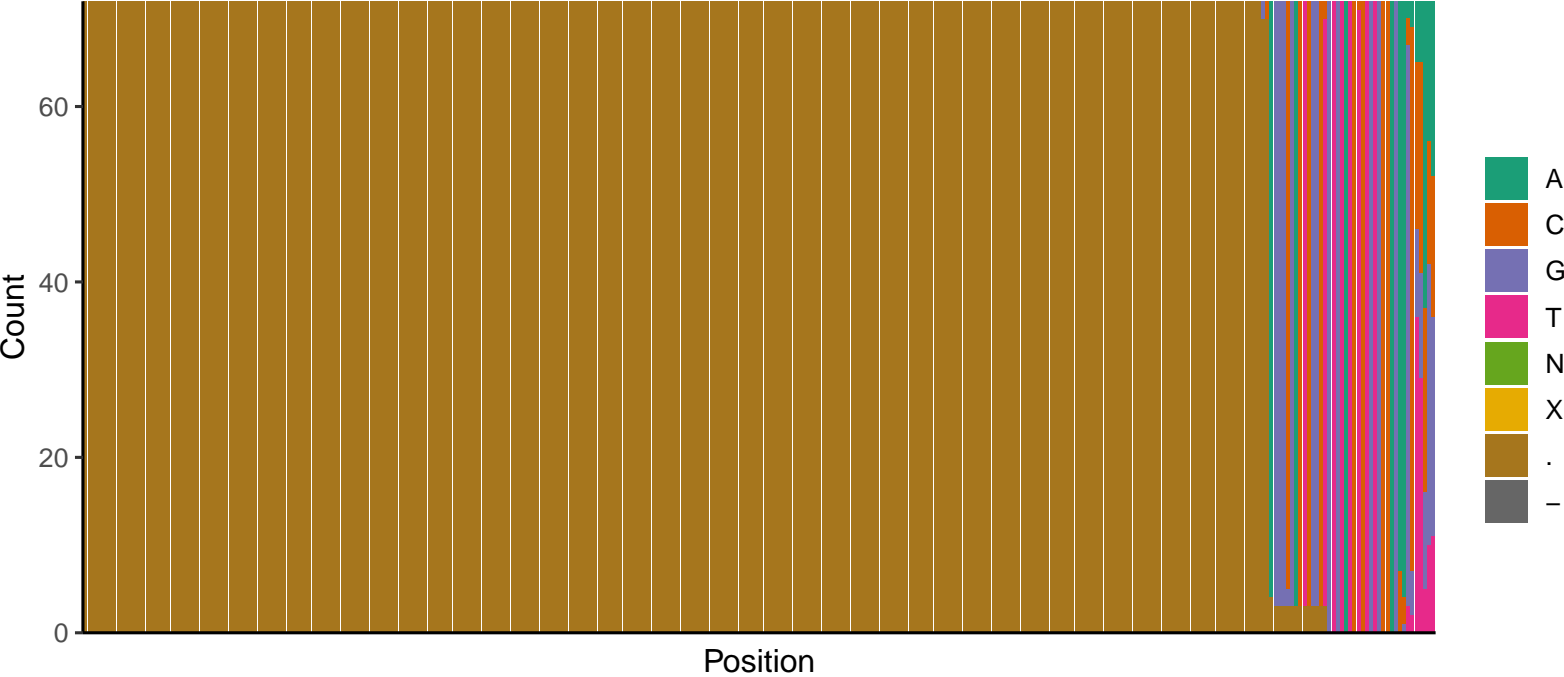
Gene TRBV7-1*ap01_G291C_T296C



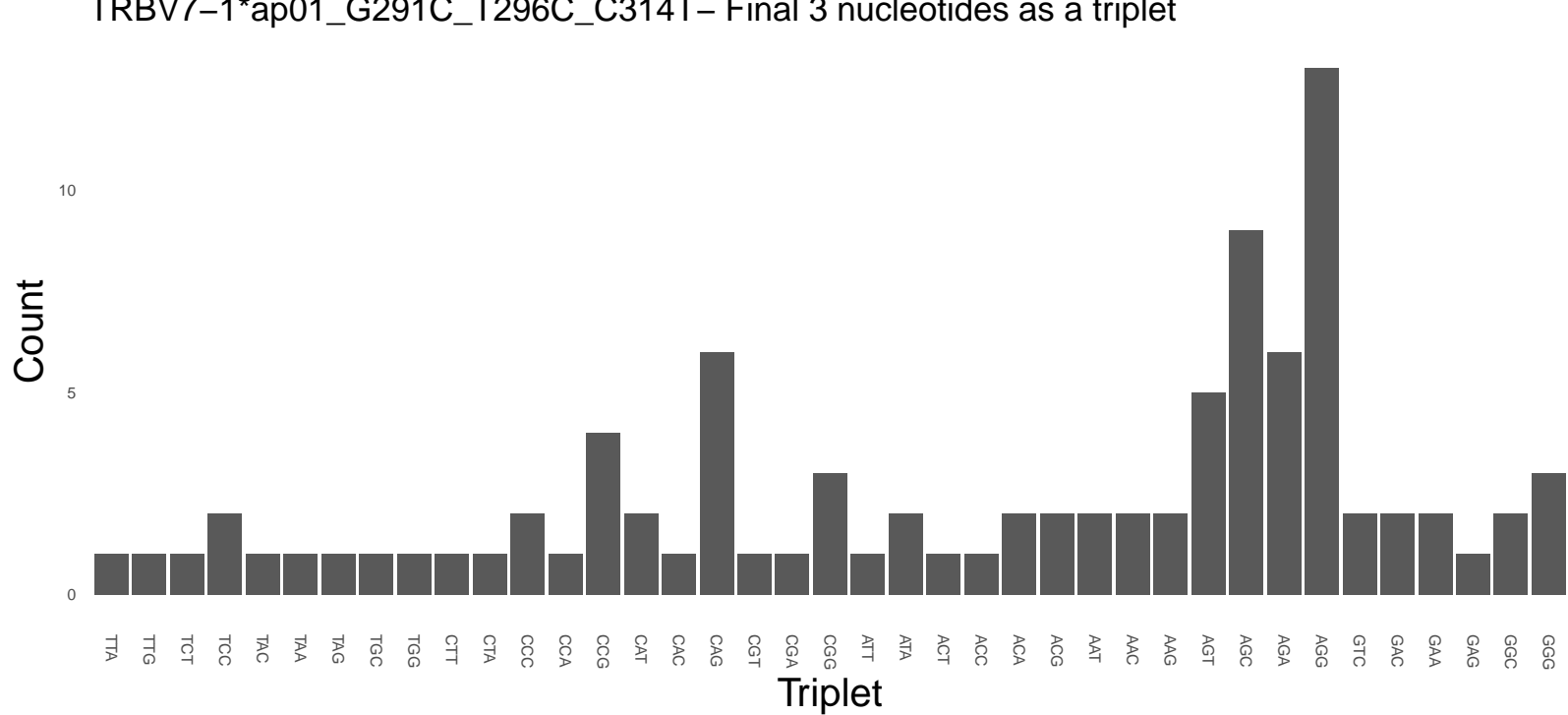
Gene TRBV7-1*ap01_G291C_T296C_C314T



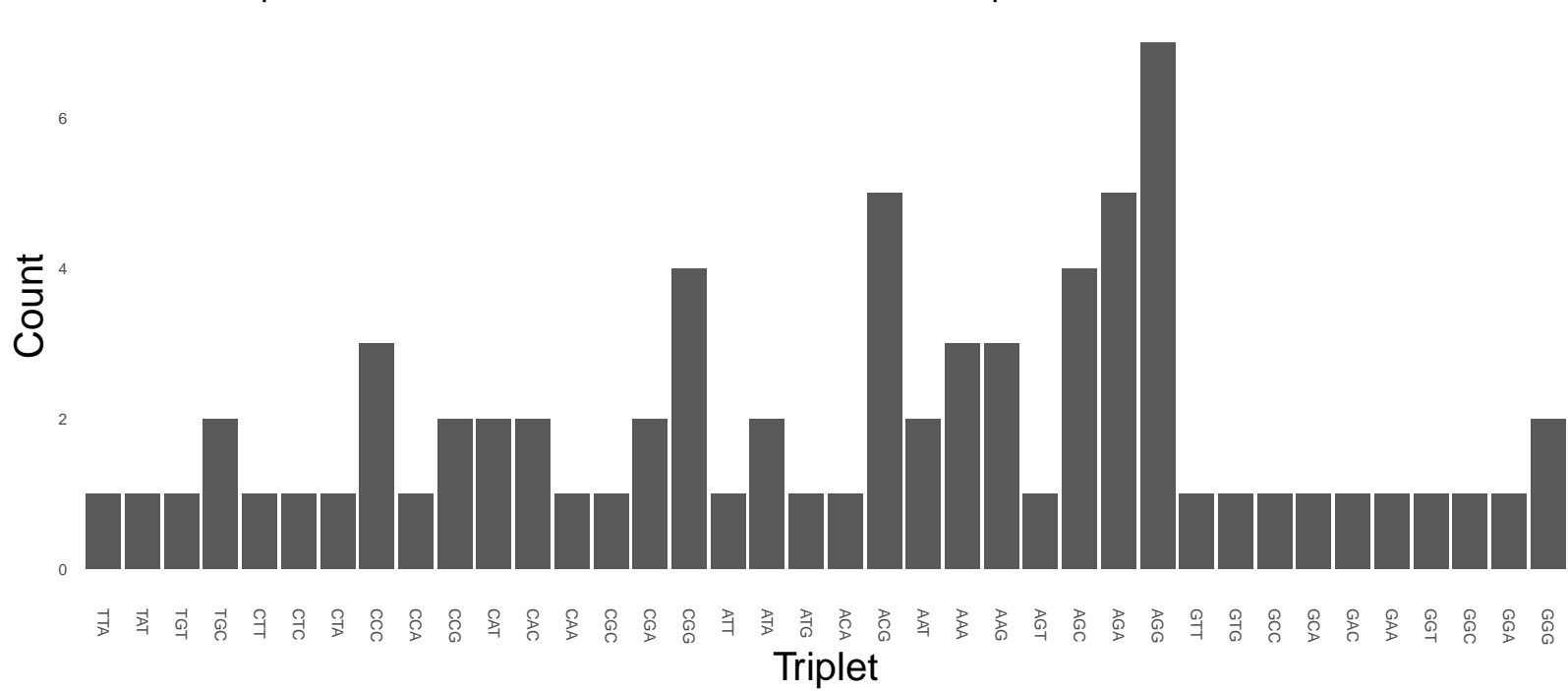
Gene TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

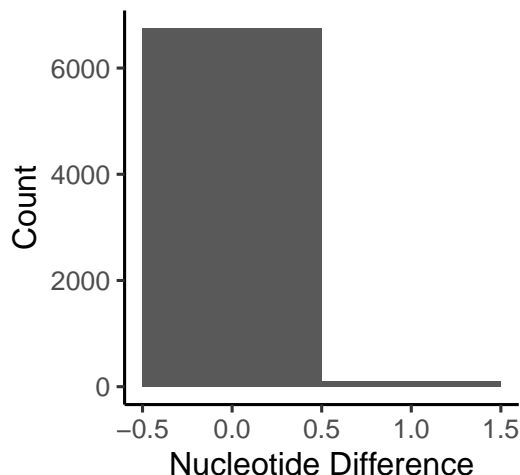


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



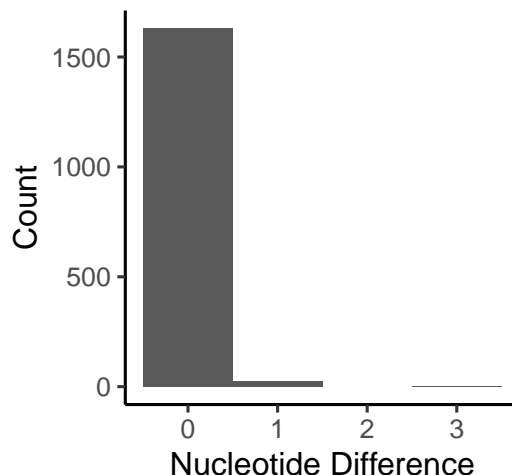
TRBV20-1*ap01

6846 sequences assigned
6747 (98.6%) exact matches, in which:
6582 unique CDR3
13 unique J



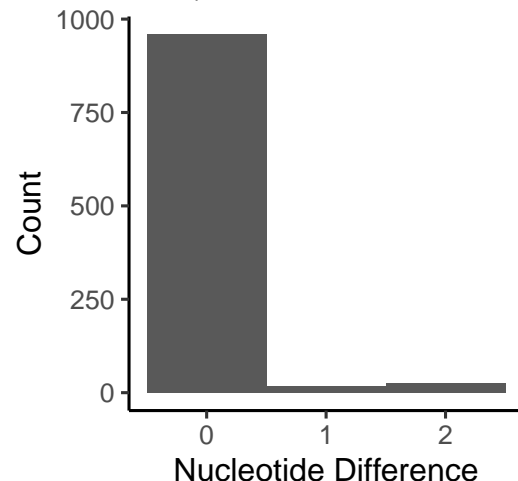
TRBV10-2*ap01

1658 sequences assigned
1630 (98.3%) exact matches, in which:
1589 unique CDR3
13 unique J



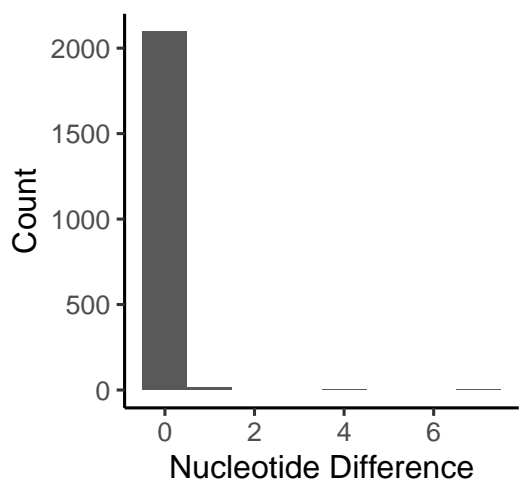
TRBV13*ap01

1001 sequences assigned
959 (95.8%) exact matches, in which:
936 unique CDR3
13 unique J



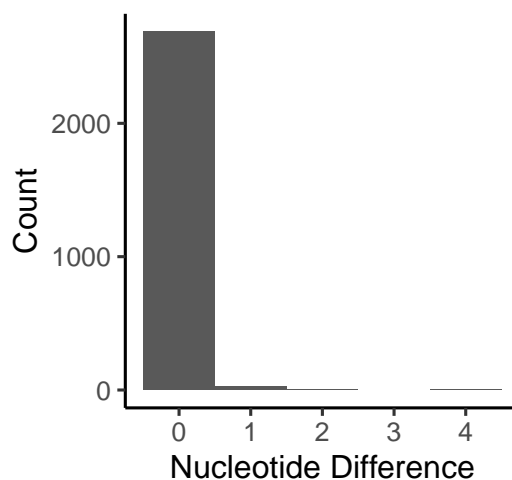
TRBV10-1*ap01

2116 sequences assigned
2096 (99.1%) exact matches, in which:
2054 unique CDR3
13 unique J



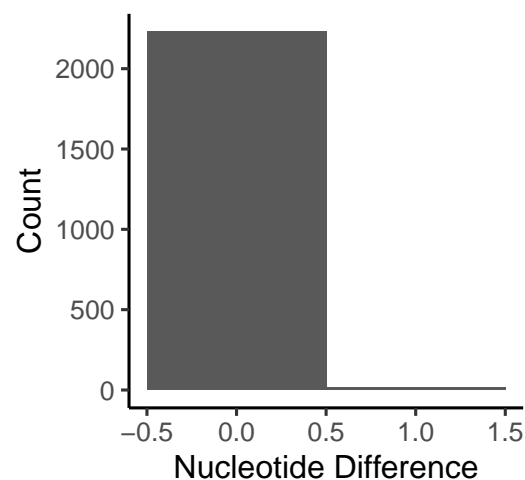
TRBV10-3*ap01

2722 sequences assigned
2687 (98.7%) exact matches, in which:
2627 unique CDR3
13 unique J



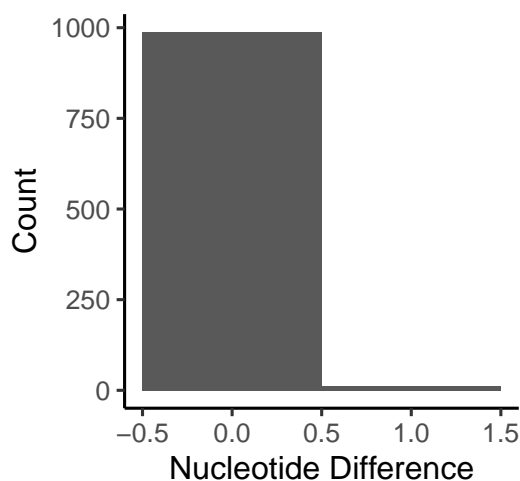
TRBV14*ap01

2244 sequences assigned
2230 (99.4%) exact matches, in which:
2184 unique CDR3
13 unique J



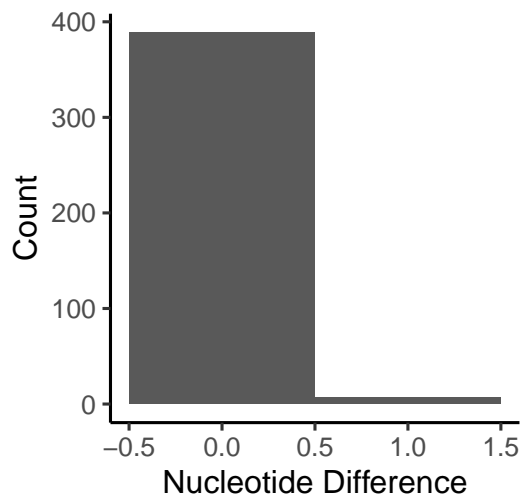
TRBV20-1*ap02

1000 sequences assigned
988 (98.8%) exact matches, in which:
972 unique CDR3
13 unique J



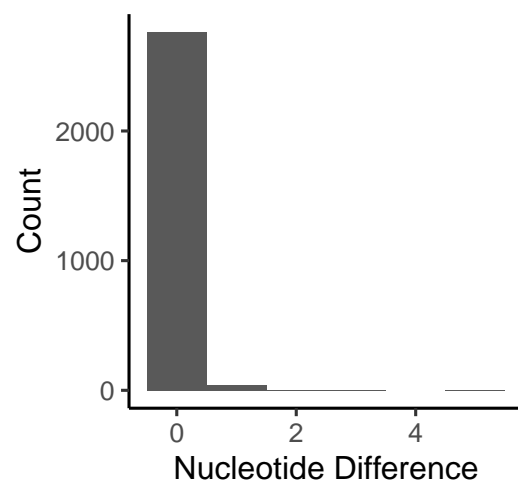
TRBV1*ap01

396 sequences assigned
389 (98.2%) exact matches, in which:
384 unique CDR3
13 unique J



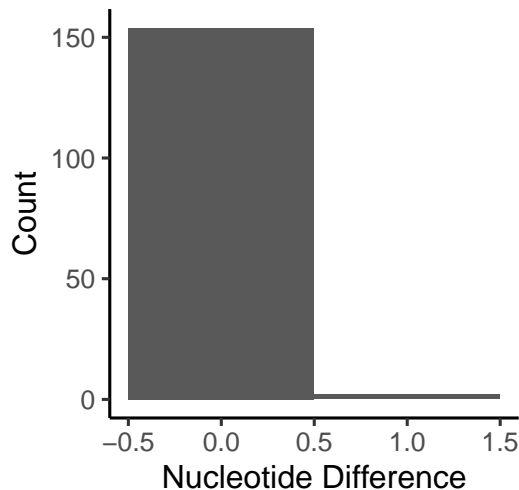
TRBV15*ap02

2808 sequences assigned
2763 (98.4%) exact matches, in which:
2703 unique CDR3
13 unique J



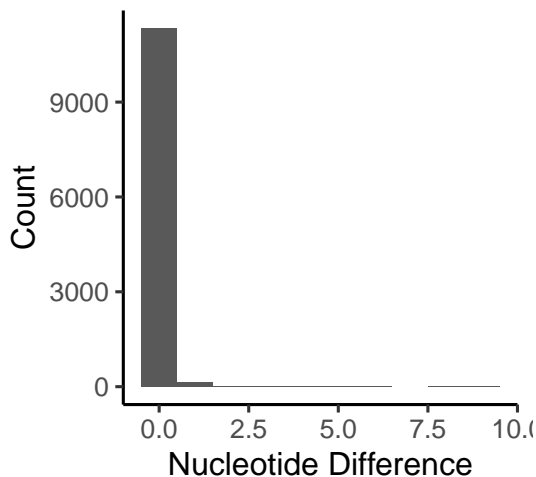
TRBV16*ap01

156 sequences assigned
154 (98.7%) exact matches, in which:
148 unique CDR3
13 unique J



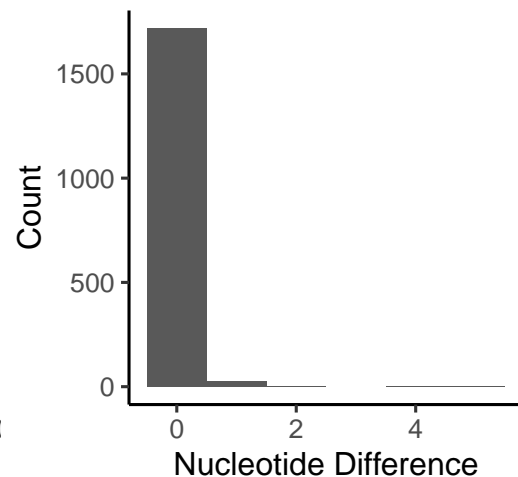
TRBV19*ap01

11488 sequences assigned
11330 (98.6%) exact matches, in which:
11145 unique CDR3
13 unique J



TRBV28*ap01

1746 sequences assigned
1718 (98.4%) exact matches, in which:
1667 unique CDR3
13 unique J



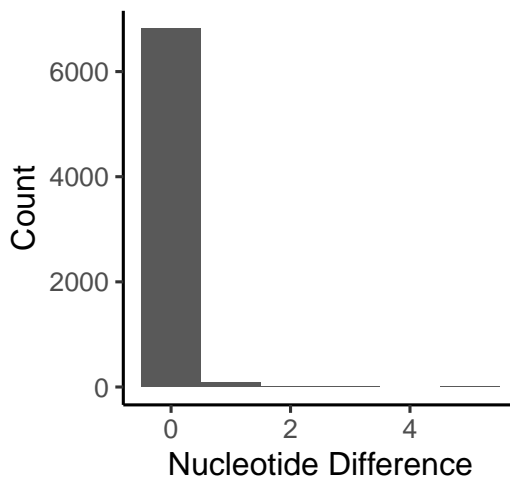
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



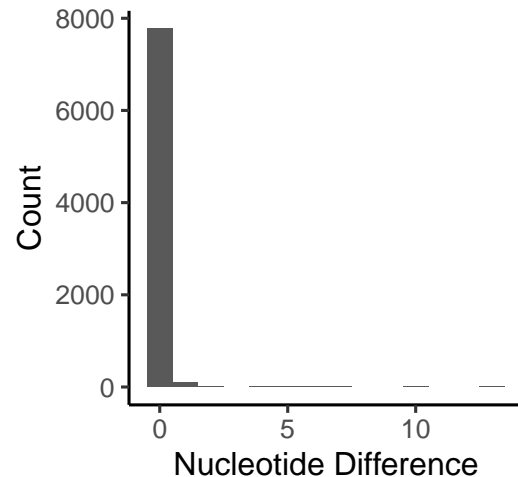
TRBV2*ap01

6902 sequences assigned
6815 (98.7%) exact matches, in which:
6703 unique CDR3
13 unique J



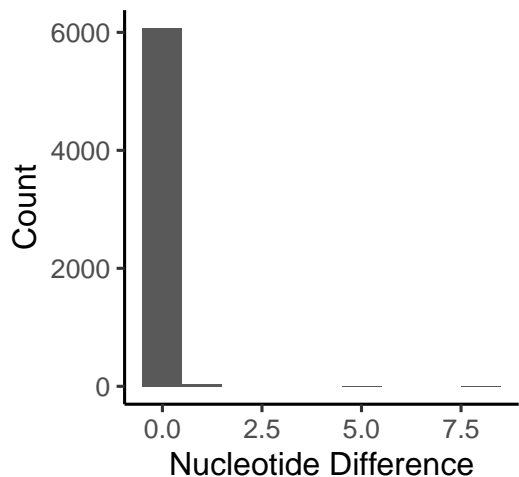
TRBV30*ap01

7897 sequences assigned
7773 (98.4%) exact matches, in which:
7676 unique CDR3
13 unique J



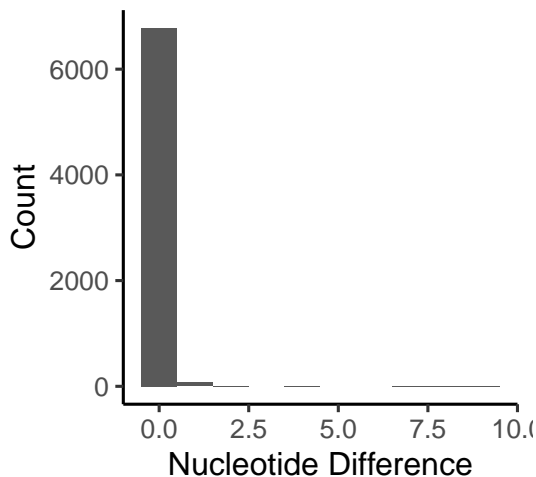
TRBV18*ap01

6115 sequences assigned
6073 (99.3%) exact matches, in which:
5939 unique CDR3
13 unique J



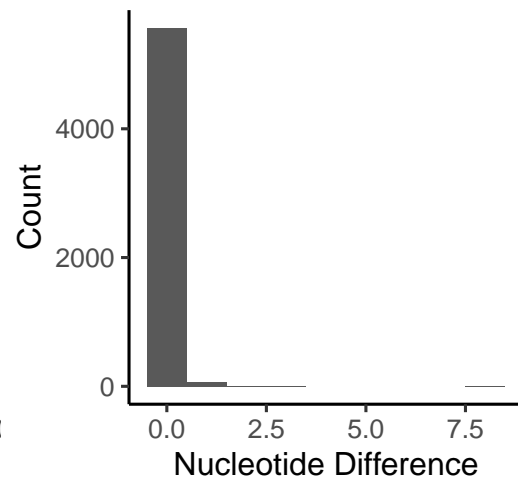
TRBV27*ap01

6861 sequences assigned
6778 (98.8%) exact matches, in which:
6588 unique CDR3
13 unique J



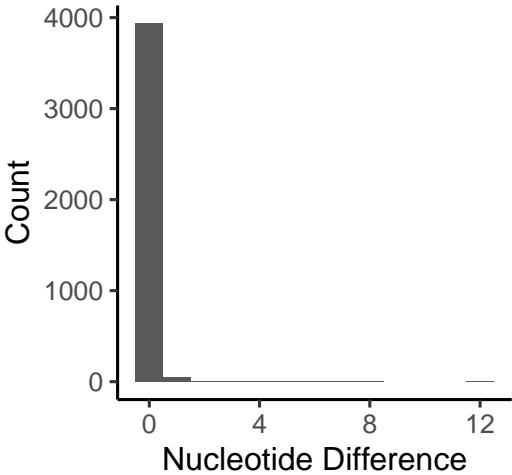
TRBV9*ap01

5639 sequences assigned
5565 (98.7%) exact matches, in which:
5435 unique CDR3
13 unique J



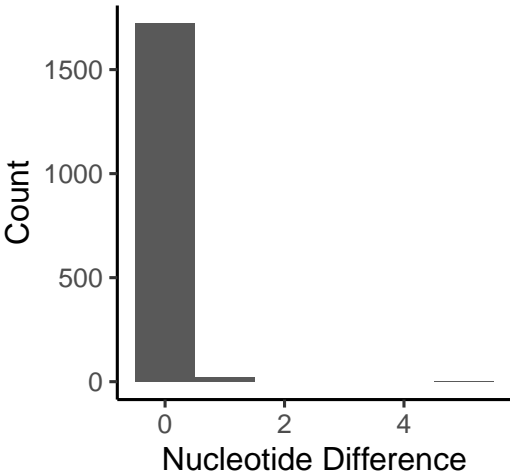
TRBV21-1*ap01

4017 sequences assigned
3936 (98%) exact matches, in which:
3844 unique CDR3
13 unique J



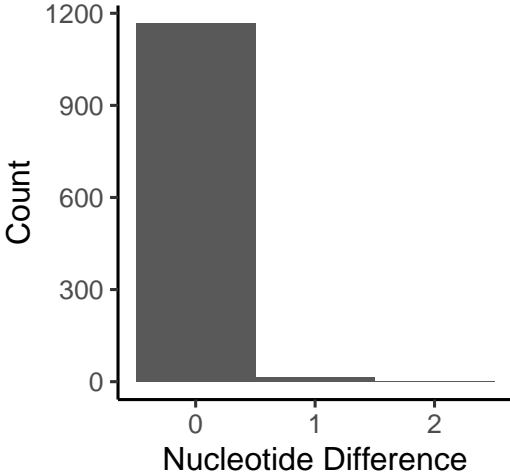
TRBV11-3*ap01

1747 sequences assigned
1722 (98.6%) exact matches, in which:
1684 unique CDR3
13 unique J



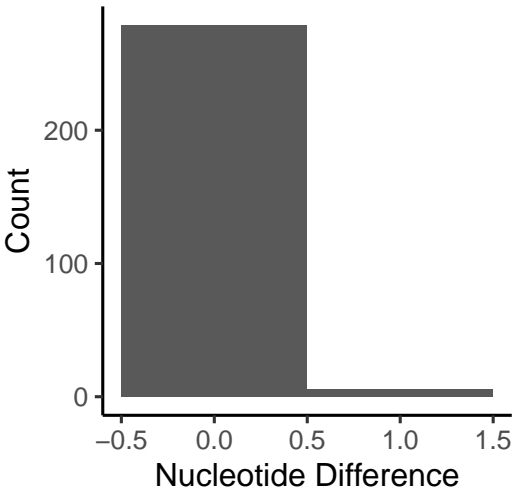
TRBV12-5*ap01

1182 sequences assigned
1167 (98.7%) exact matches, in which:
1146 unique CDR3
13 unique J



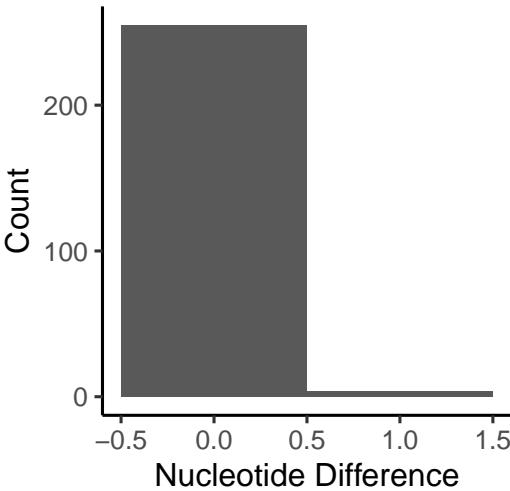
TRBV11-1*ap01

285 sequences assigned
279 (97.9%) exact matches, in which:
276 unique CDR3
13 unique J



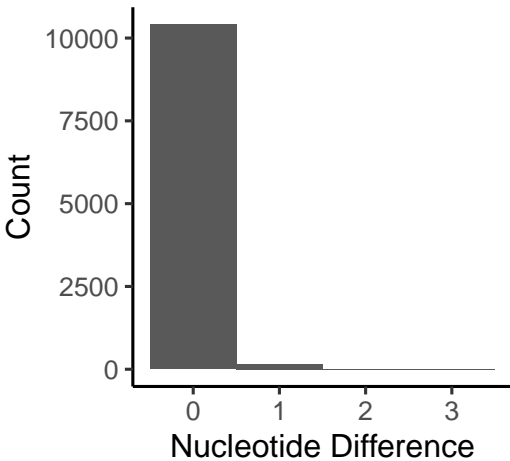
TRBV12-1*ap01

259 sequences assigned
255 (98.5%) exact matches, in which:
250 unique CDR3
13 unique J



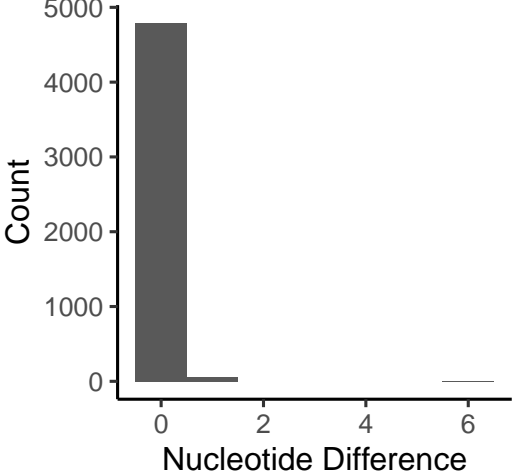
TRBV12-34*ap01

10572 sequences assigned
10410 (98.5%) exact matches, in which:
10207 unique CDR3
13 unique J



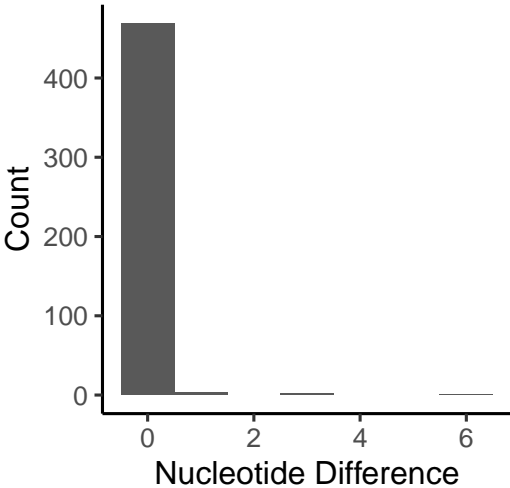
TRBV11-2*ap01

4848 sequences assigned
4790 (98.8%) exact matches, in which:
4662 unique CDR3
13 unique J



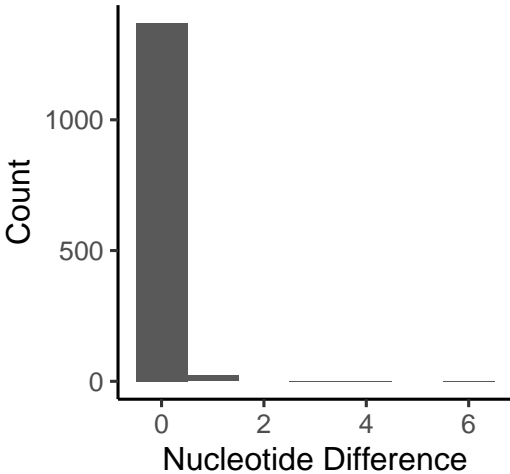
TRBV12-2*ap01

475 sequences assigned
469 (98.7%) exact matches, in which:
452 unique CDR3
13 unique J



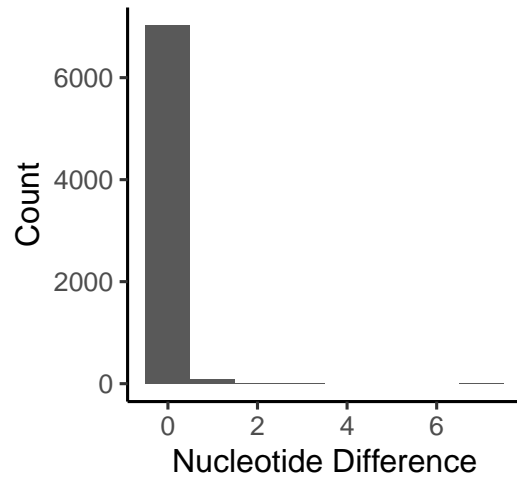
TRBV23-1*ap01

1397 sequences assigned
1370 (98.1%) exact matches, in which:
1335 unique CDR3
13 unique J



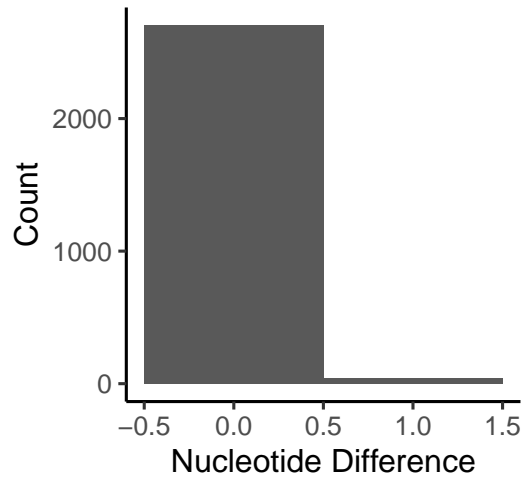
TRBV3-12*ap01

7119 sequences assigned
7024 (98.7%) exact matches, in which:
6876 unique CDR3
13 unique J



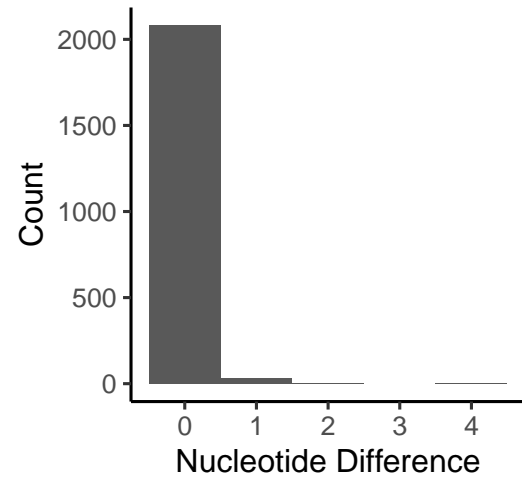
TRBV4-2*ap01

2743 sequences assigned
2703 (98.5%) exact matches, in which:
2659 unique CDR3
13 unique J



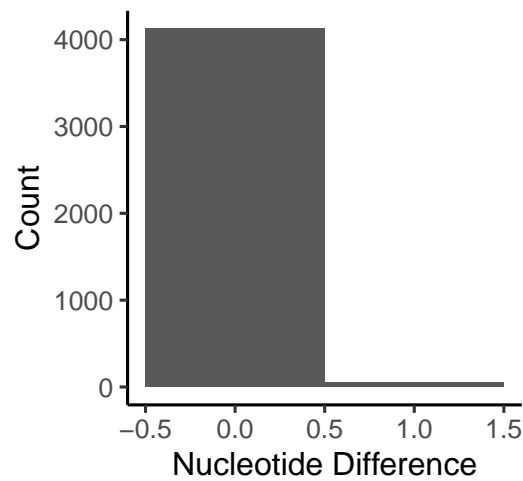
TRBV25-1*ap01

2117 sequences assigned
2081 (98.3%) exact matches, in which:
2046 unique CDR3
13 unique J



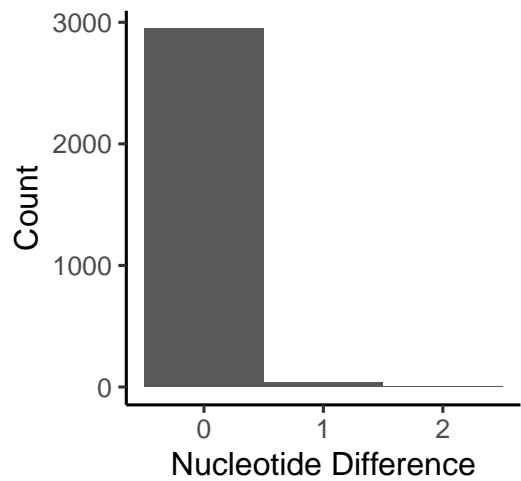
TRBV4-1*ap01

4174 sequences assigned
4126 (98.9%) exact matches, in which:
4044 unique CDR3
13 unique J



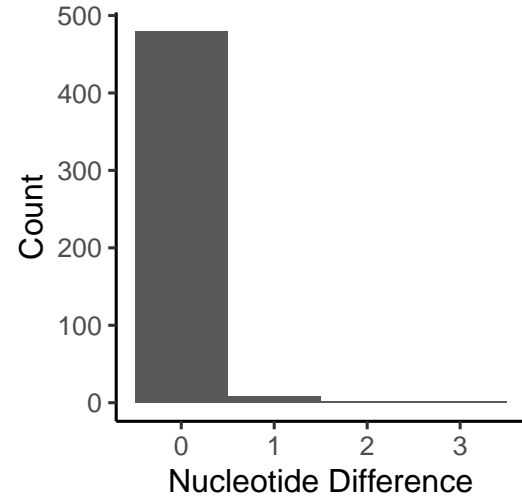
TRBV4-3*ap01

2987 sequences assigned
2947 (98.7%) exact matches, in which:
2894 unique CDR3
13 unique J



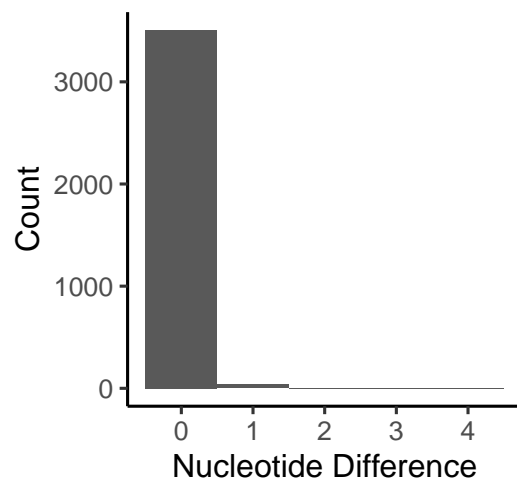
TRBV5-3*ap01

493 sequences assigned
480 (97.4%) exact matches, in which:
473 unique CDR3
13 unique J



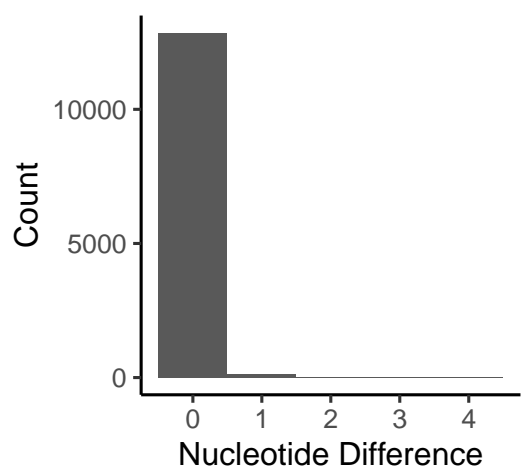
TRBV24-1*ap01

3552 sequences assigned
3507 (98.7%) exact matches, in which:
3454 unique CDR3
13 unique J



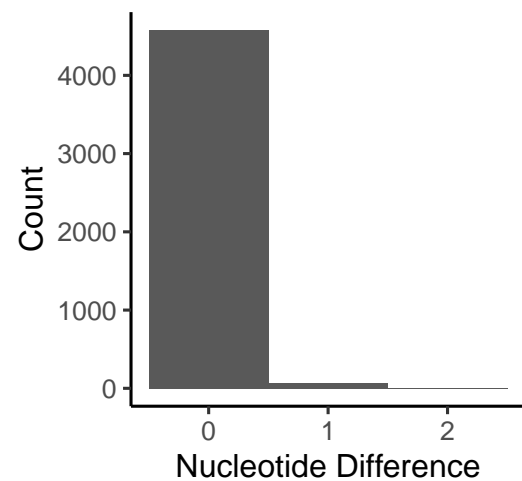
TRBV5-1*ap01

12999 sequences assigned
12854 (98.9%) exact matches, in which:
12546 unique CDR3
13 unique J



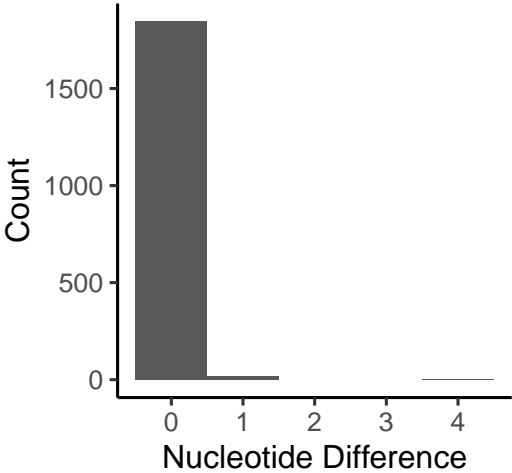
TRBV5-4*ap01

4644 sequences assigned
4579 (98.6%) exact matches, in which:
4487 unique CDR3
13 unique J



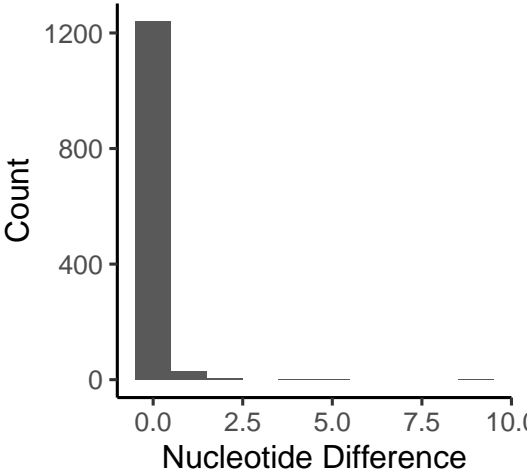
TRBV5-5*ap01

1866 sequences assigned
1846 (98.9%) exact matches, in which:
1810 unique CDR3
13 unique J



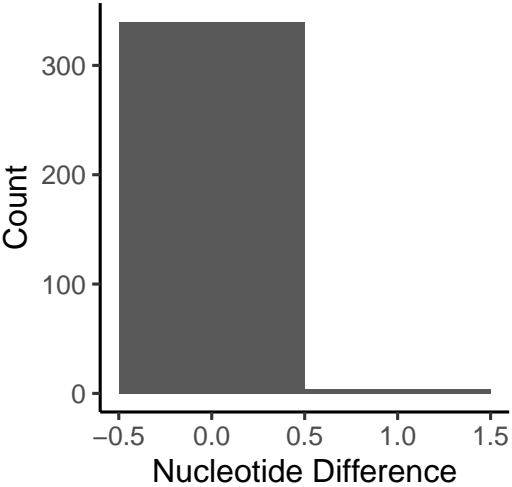
TRBV5-8*ap01

1277 sequences assigned
1240 (97.1%) exact matches, in which:
1211 unique CDR3
13 unique J



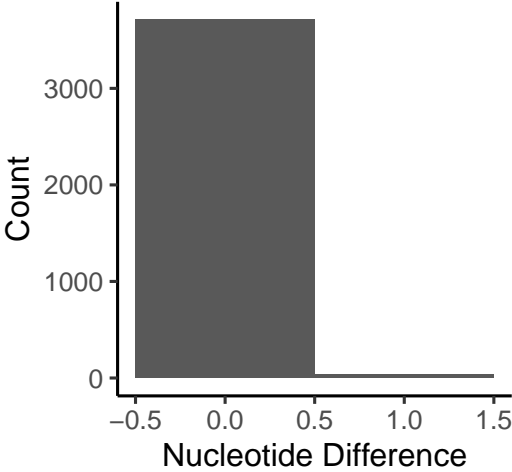
TRBV6-7*ap01

344 sequences assigned
340 (98.8%) exact matches, in which:
330 unique CDR3
13 unique J



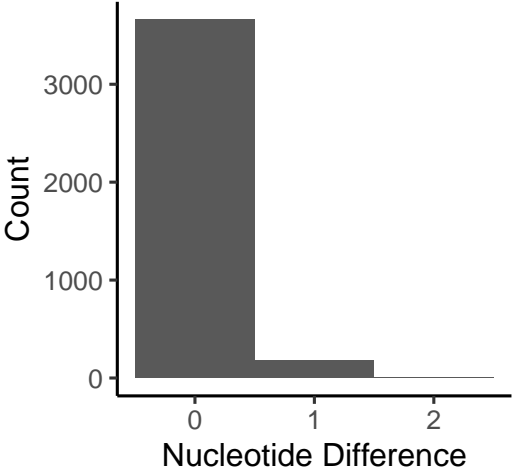
TRBV5-6*ap01

3748 sequences assigned
3711 (99%) exact matches, in which:
3630 unique CDR3
13 unique J



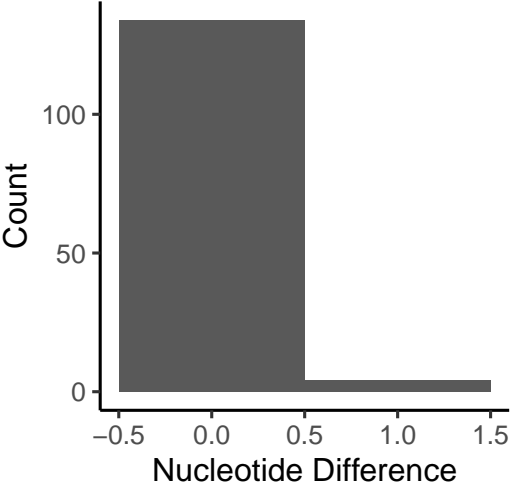
TRBV6-1*ap01

3842 sequences assigned
3659 (95.2%) exact matches, in which:
3568 unique CDR3
13 unique J



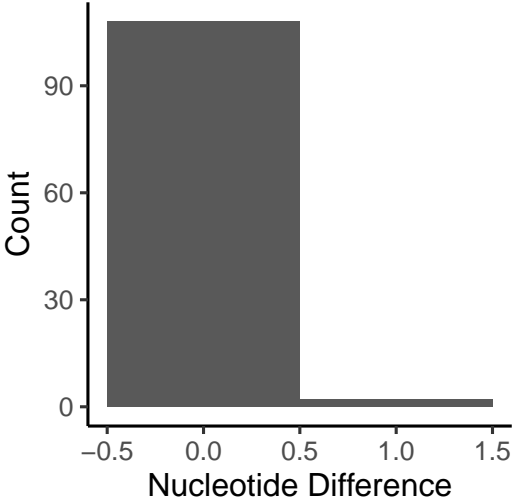
TRBV6-8*ap01

138 sequences assigned
134 (97.1%) exact matches, in which:
130 unique CDR3
13 unique J



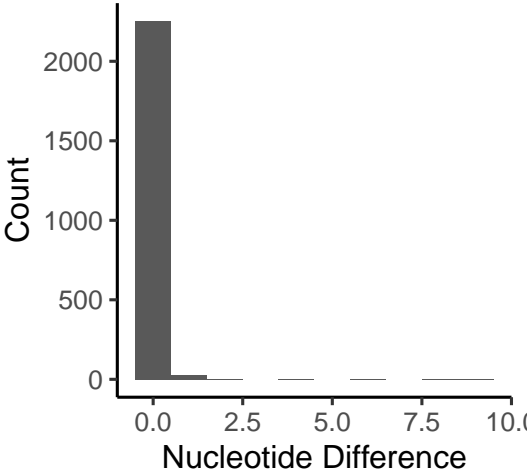
TRBV5-7*ap01

110 sequences assigned
108 (98.2%) exact matches, in which:
108 unique CDR3
13 unique J



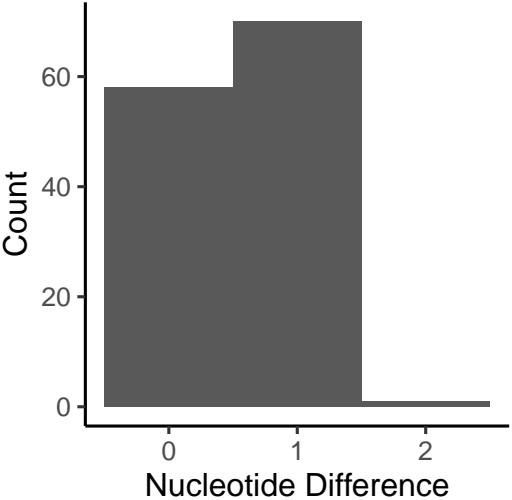
TRBV6-4*ap01

2285 sequences assigned
2253 (98.6%) exact matches, in which:
2220 unique CDR3
13 unique J



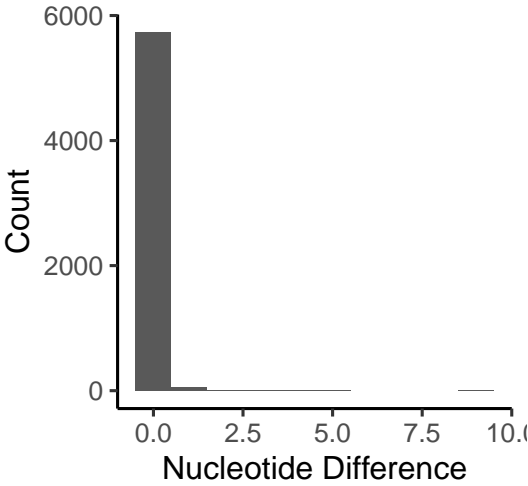
TRBV6-9*ap01

129 sequences assigned
58 (45%) exact matches, in which:
56 unique CDR3
12 unique J



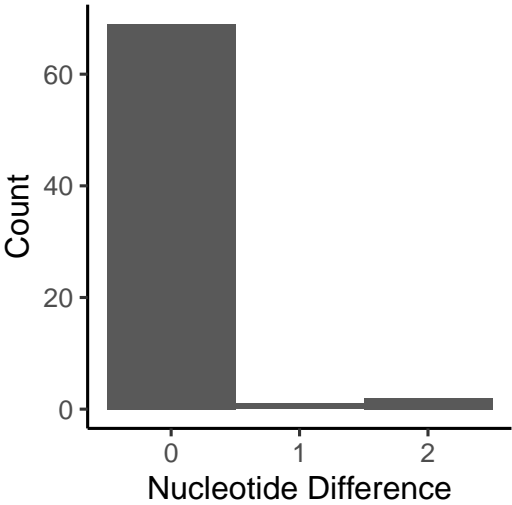
TRBV6-23*ap01

5789 sequences assigned
5730 (99%) exact matches, in which:
5622 unique CDR3
13 unique J



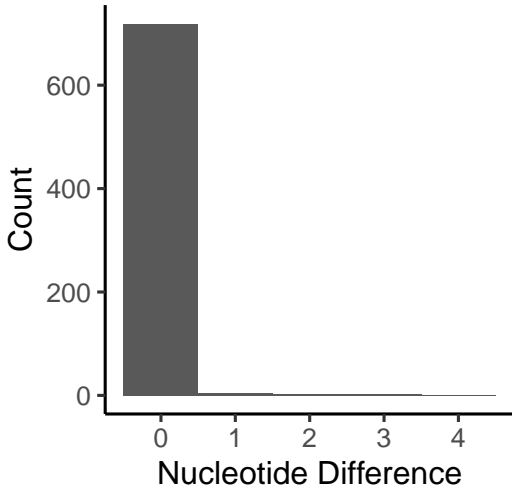
TRBV7-1*ap01_G291C_T

72 sequences assigned
69 (95.8%) exact matches, in which:
69 unique CDR3
12 unique J



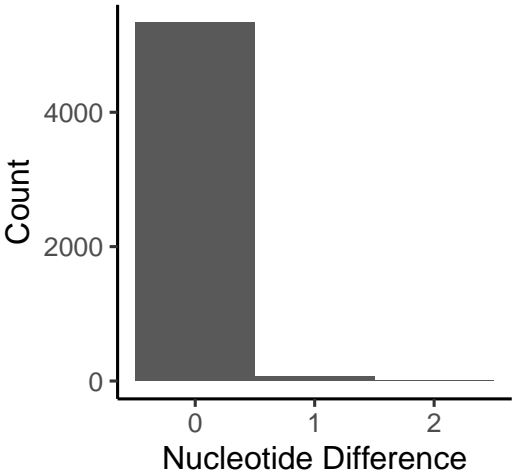
TRBV7-3*ap02

728 sequences assigned
719 (98.8%) exact matches, in which:
704 unique CDR3
13 unique J



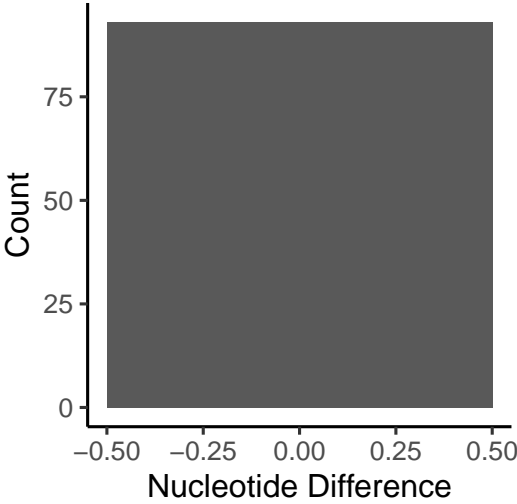
TRBV6-56*ap01

5401 sequences assigned
5333 (98.7%) exact matches, in which:
5238 unique CDR3
13 unique J



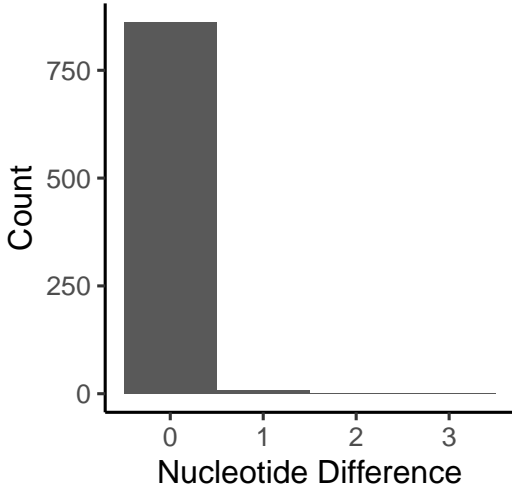
TRBV7-1*ap01_G291C_T

93 sequences assigned
93 (100%) exact matches, in which:
92 unique CDR3
11 unique J



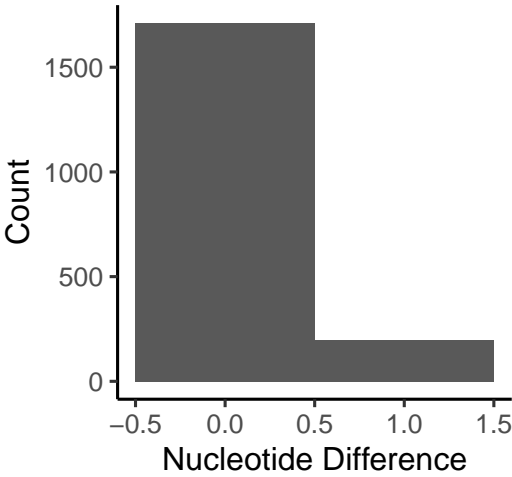
TRBV7-3*ap03

872 sequences assigned
862 (98.9%) exact matches, in which:
837 unique CDR3
13 unique J



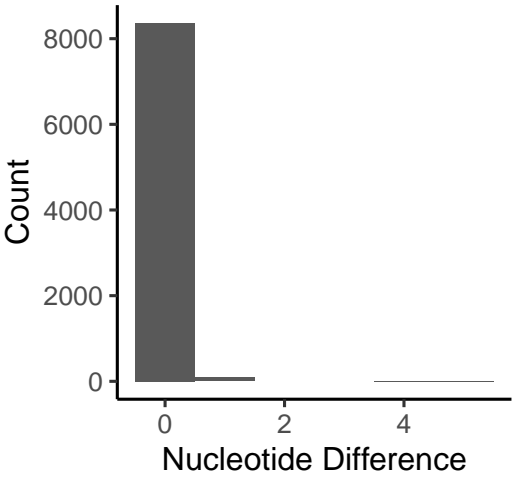
TRBV6-56*ap02

1909 sequences assigned
1711 (89.6%) exact matches, in which:
1670 unique CDR3
13 unique J



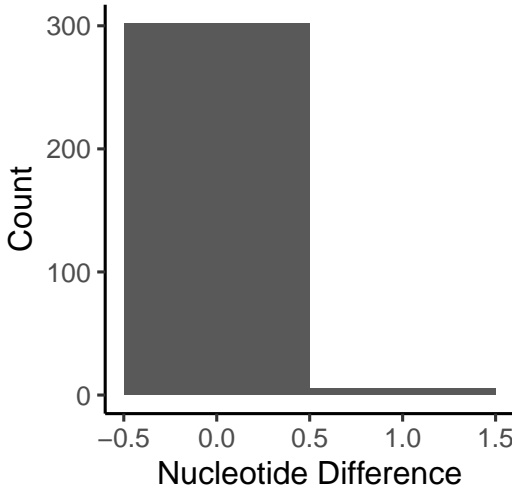
TRBV7-2*ap01

8456 sequences assigned
8365 (98.9%) exact matches, in which:
8164 unique CDR3
13 unique J



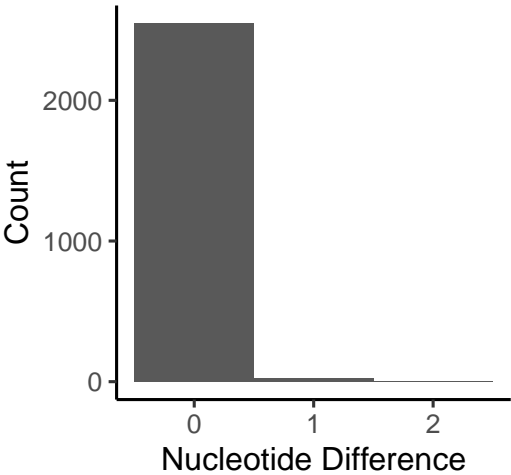
TRBV7-4*ap01

307 sequences assigned
302 (98.4%) exact matches, in which:
298 unique CDR3
13 unique J



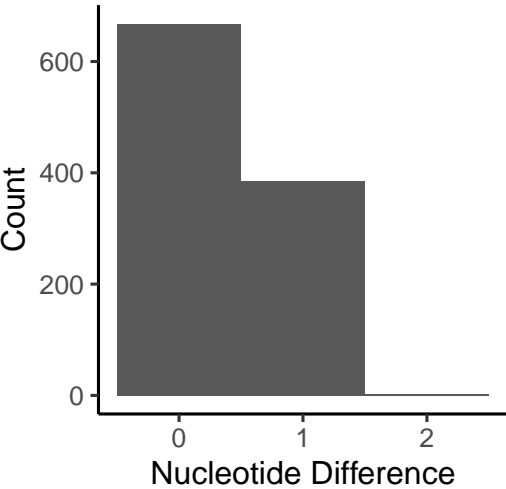
TRBV7-6*ap01

2574 sequences assigned
2547 (99%) exact matches, in which:
2487 unique CDR3
13 unique J



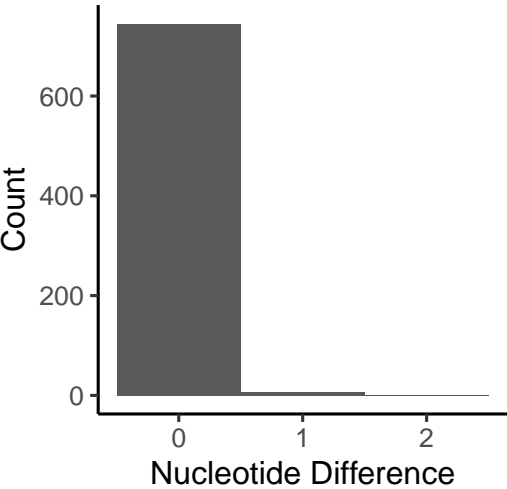
TRBV7-8*ap03

1057 sequences assigned
668 (63.2%) exact matches, in which:
653 unique CDR3
13 unique J



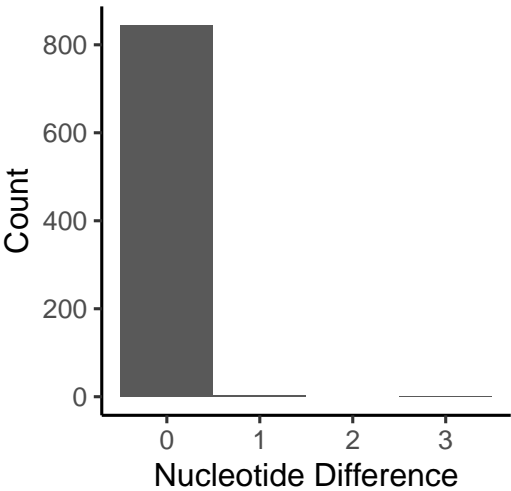
TRBV29-1*ap02

753 sequences assigned
745 (98.9%) exact matches, in which:
732 unique CDR3
13 unique J



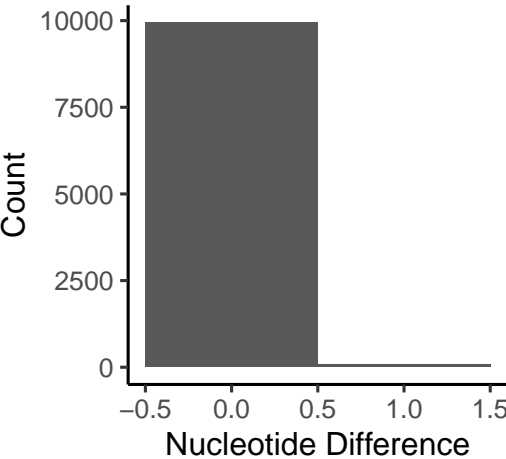
TRBV7-7*ap01

849 sequences assigned
845 (99.5%) exact matches, in which:
826 unique CDR3
13 unique J



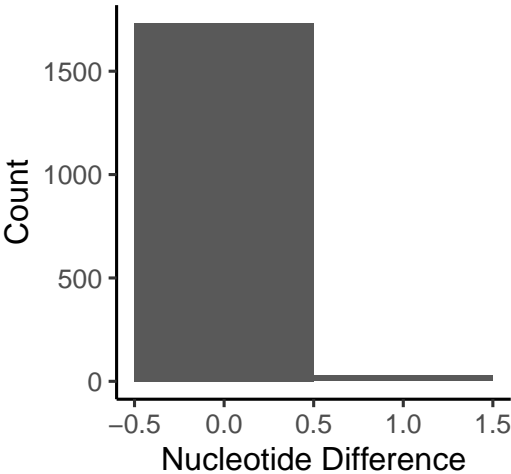
TRBV7-9*ap01

10020 sequences assigned
9947 (99.3%) exact matches, in which:
9792 unique CDR3
13 unique J



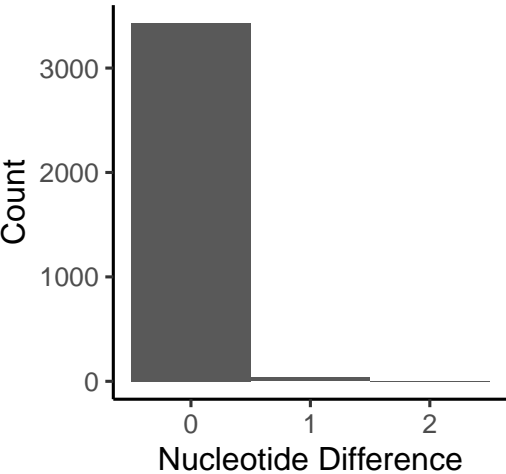
TRBV7-8*ap01

1762 sequences assigned
1733 (98.4%) exact matches, in which:
1701 unique CDR3
13 unique J

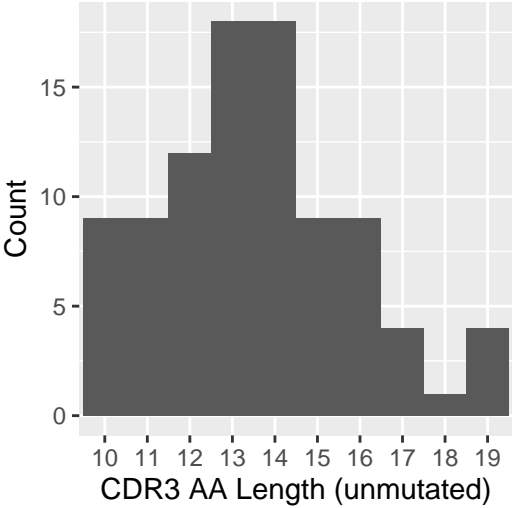


TRBV29-1*ap01

3470 sequences assigned
3431 (98.9%) exact matches, in which:
3379 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C

