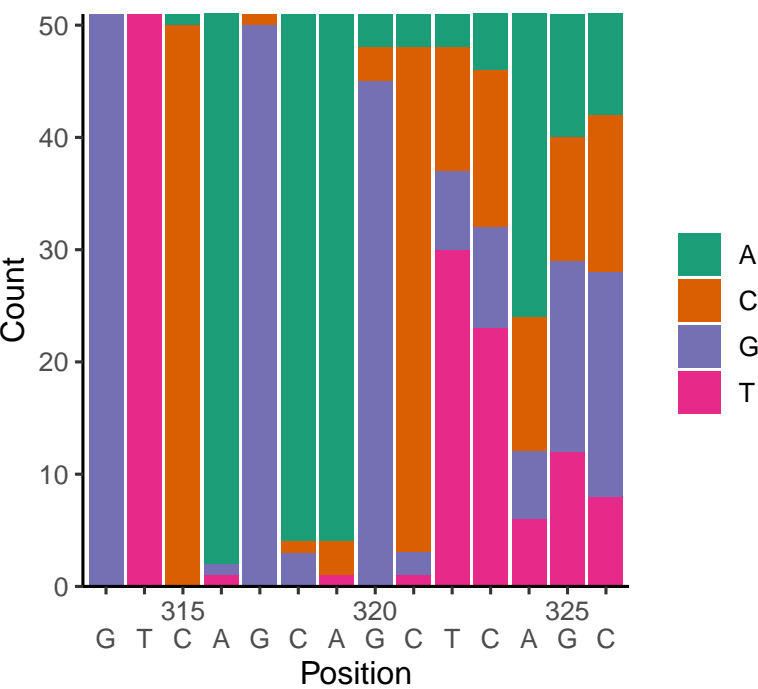
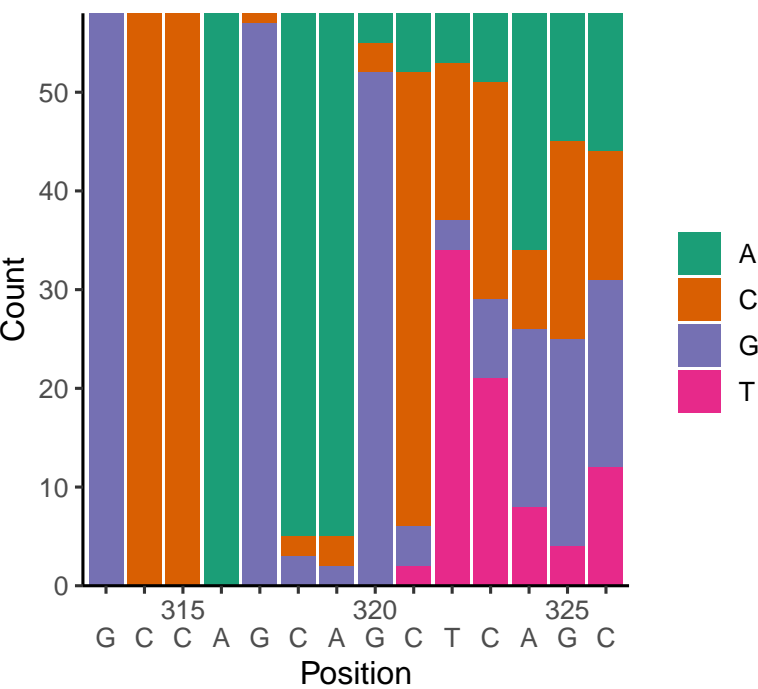


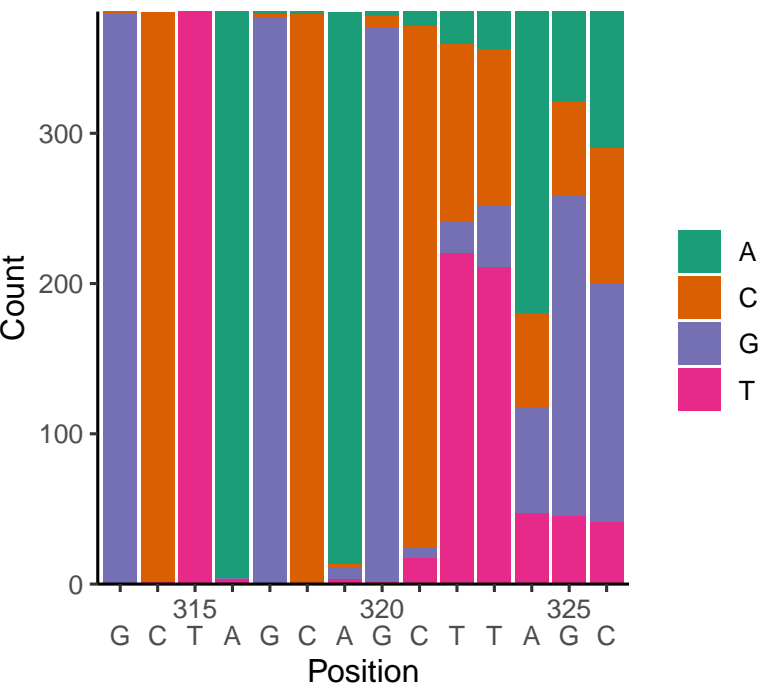
Gene TRBV7-1*ap01_G291C_T296C_C314T



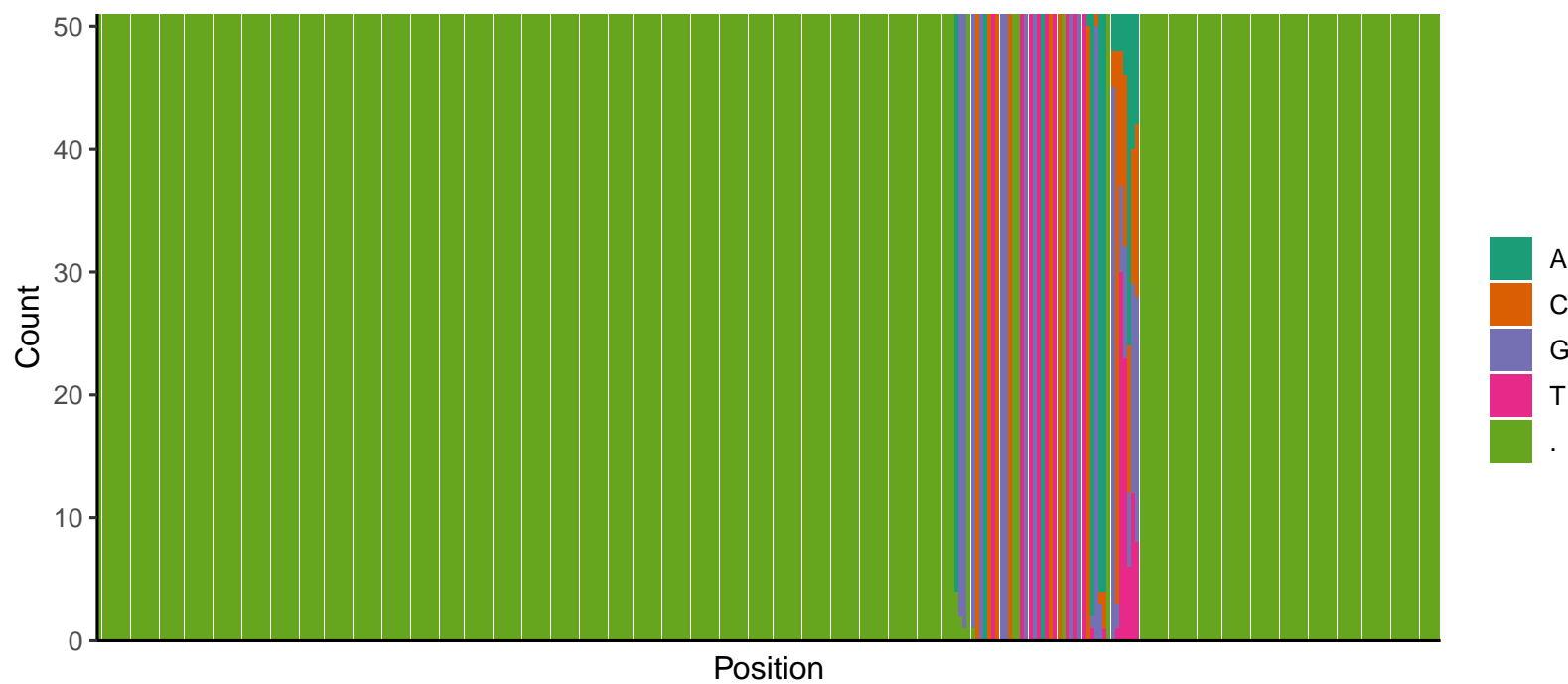
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



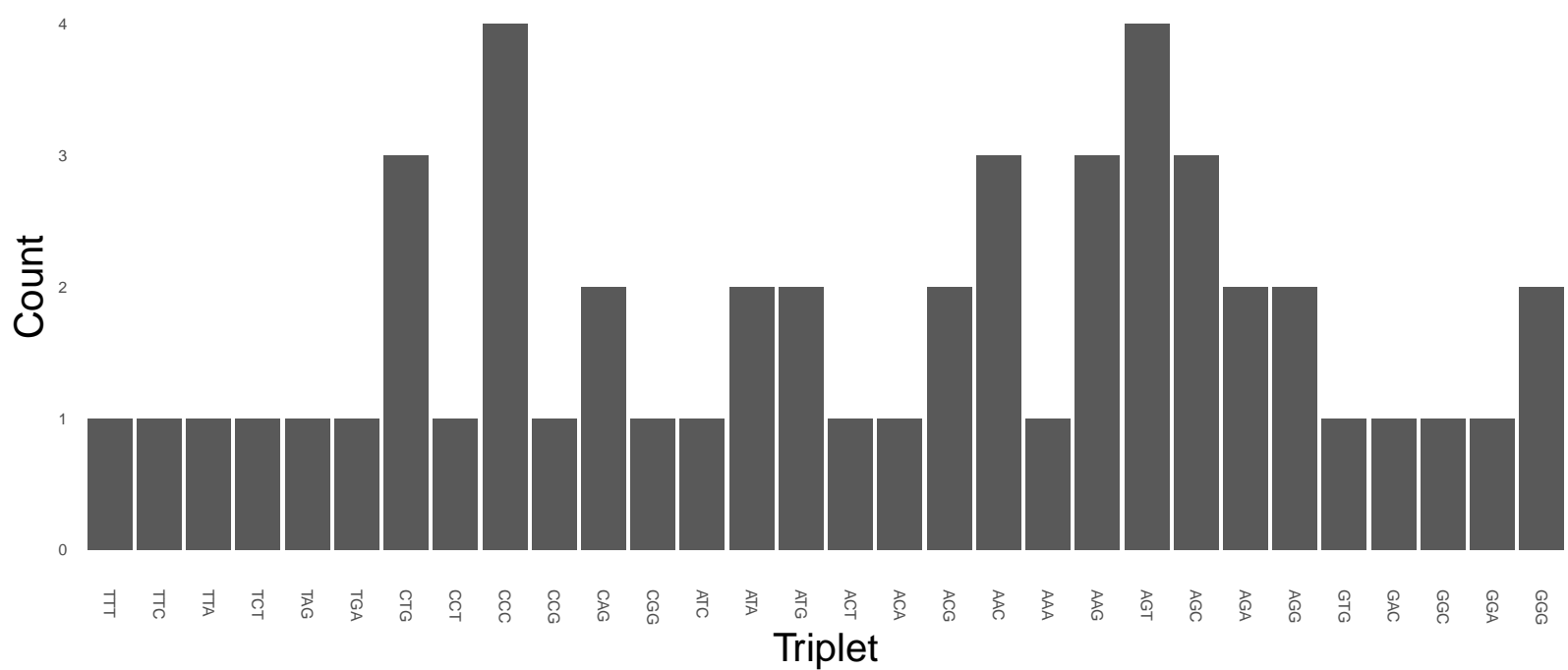
Gene TRBV7-1*ap01_G291C_T296C



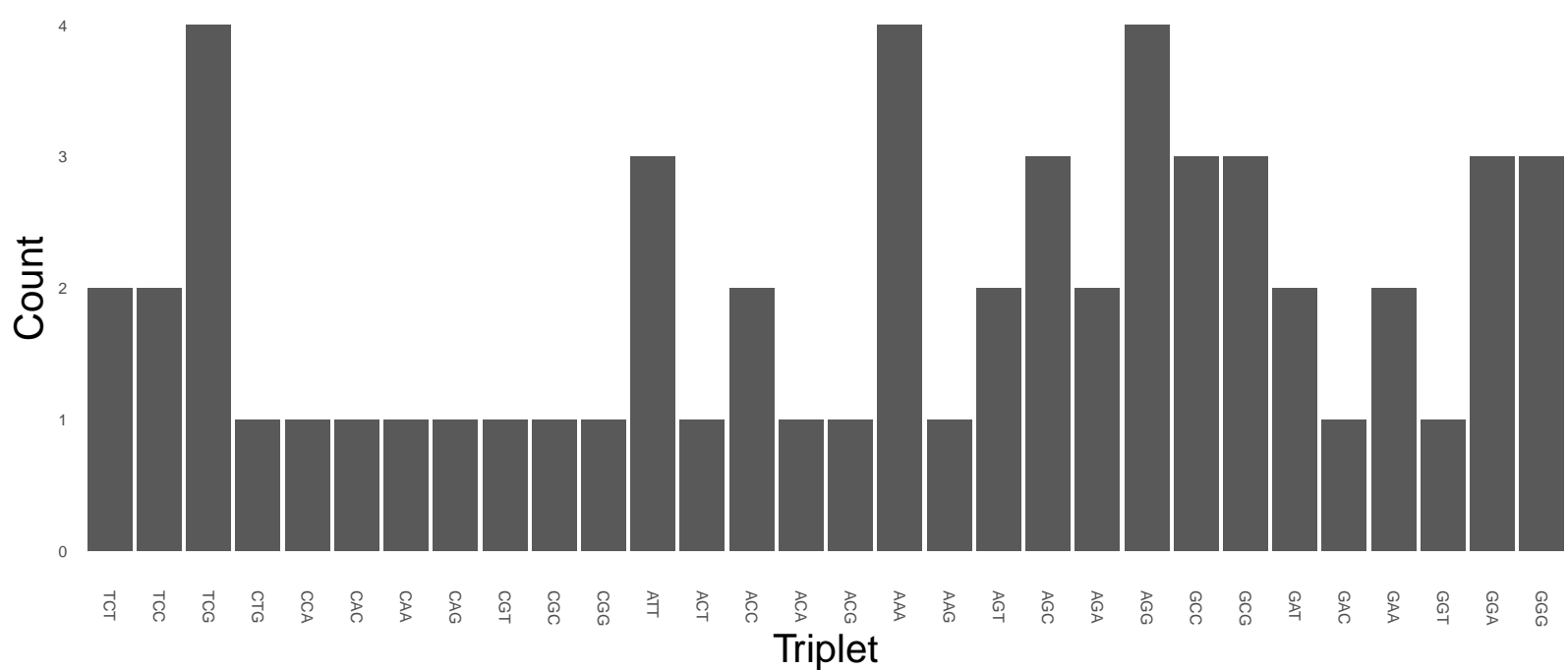
Gene TRBV7-7*ap01_C315T



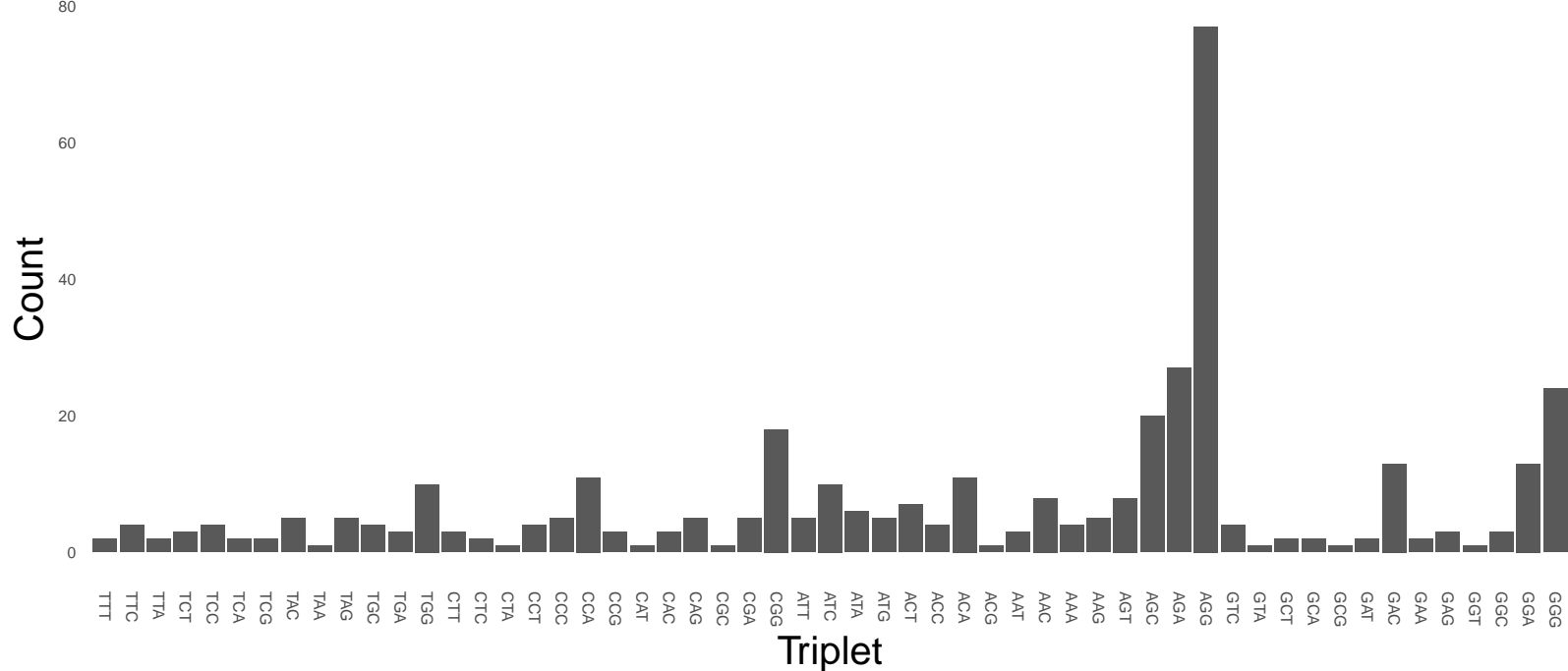
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

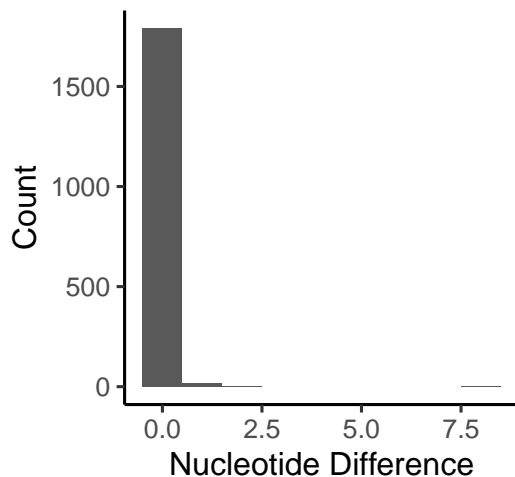


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



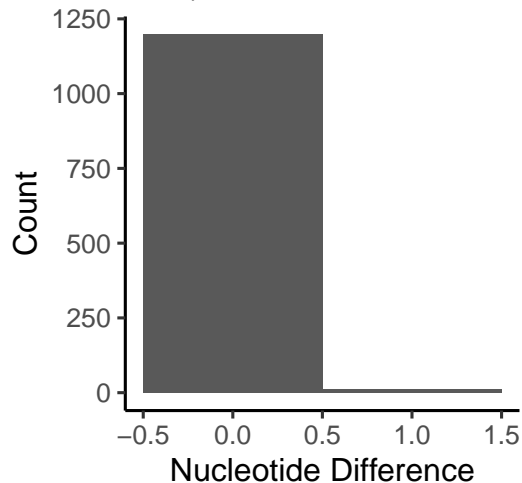
TRBV10-1*ap01

1807 sequences assigned
1790 (99.1%) exact matches, in which:
1758 unique CDR3
13 unique J



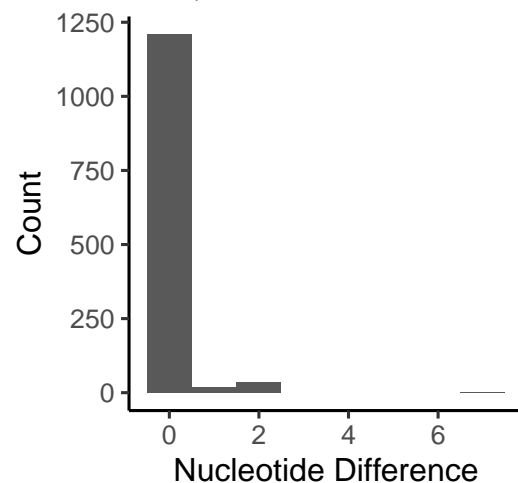
TRBV10-2*ap01

1210 sequences assigned
1198 (99%) exact matches, in which:
1177 unique CDR3
13 unique J



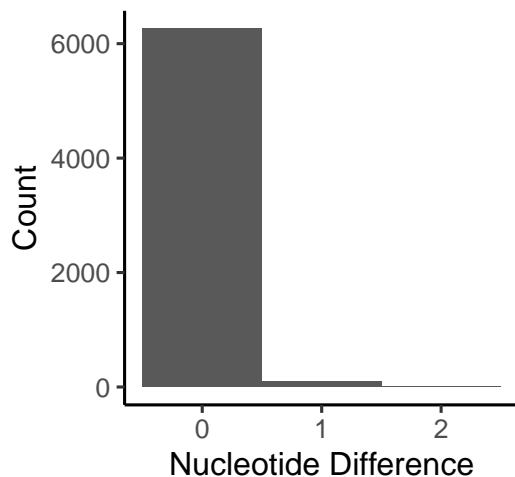
TRBV13*ap01

1264 sequences assigned
1209 (95.6%) exact matches, in which:
1180 unique CDR3
13 unique J



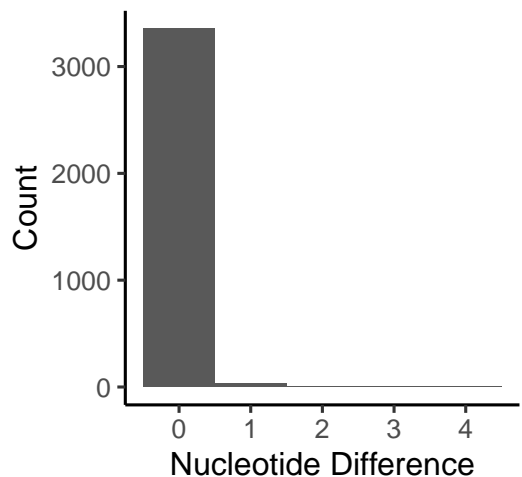
TRBV20-1*ap01

6353 sequences assigned
6261 (98.6%) exact matches, in which:
6160 unique CDR3
13 unique J



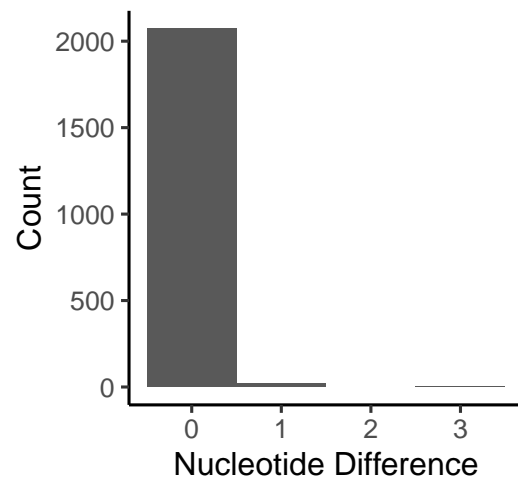
TRBV10-3*ap01

3392 sequences assigned
3354 (98.9%) exact matches, in which:
3285 unique CDR3
13 unique J



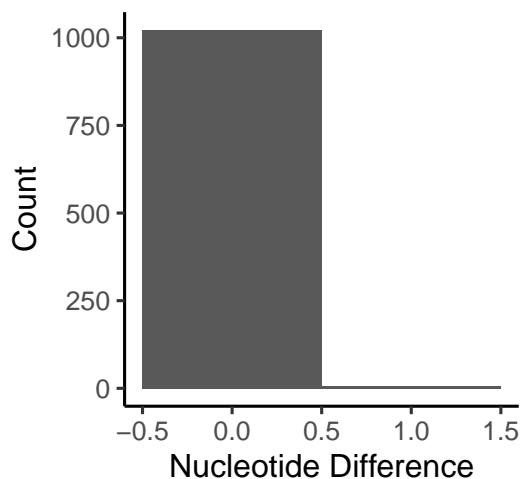
TRBV14*ap01

2095 sequences assigned
2072 (98.9%) exact matches, in which:
2026 unique CDR3
13 unique J



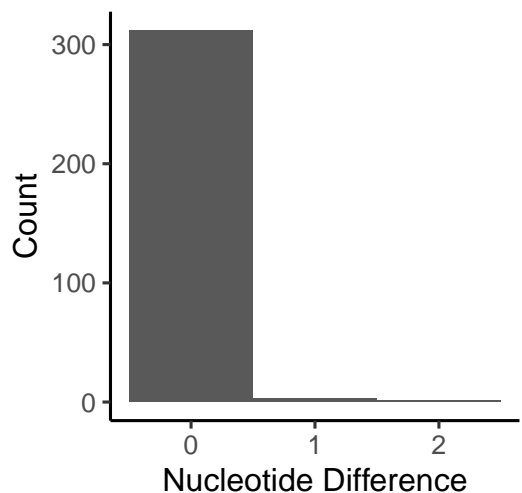
TRBV20-1*ap02

1029 sequences assigned
1022 (99.3%) exact matches, in which:
1001 unique CDR3
13 unique J



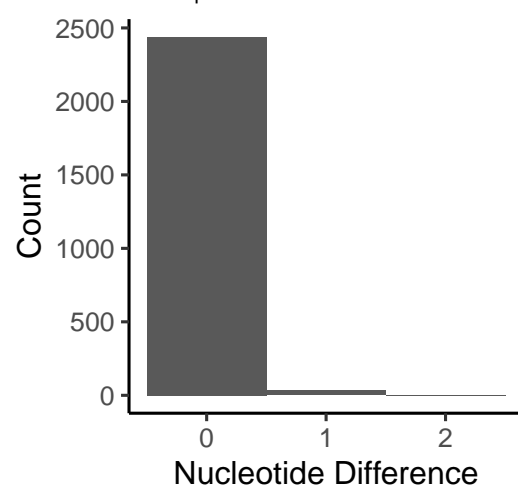
TRBV1*ap01

316 sequences assigned
312 (98.7%) exact matches, in which:
305 unique CDR3
13 unique J



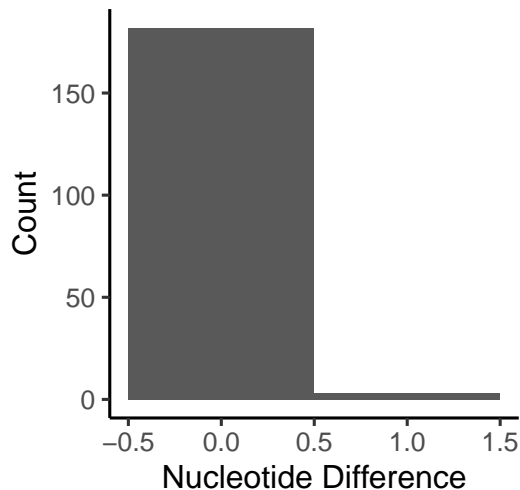
TRBV15*ap02

2472 sequences assigned
2438 (98.6%) exact matches, in which:
2388 unique CDR3
13 unique J



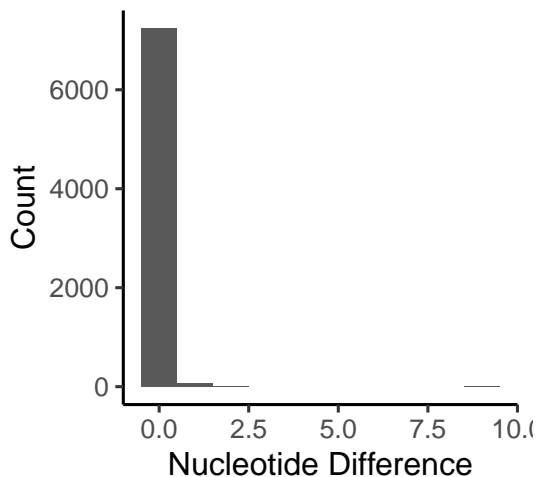
TRBV16*ap01

185 sequences assigned
182 (98.4%) exact matches, in which:
180 unique CDR3
13 unique J



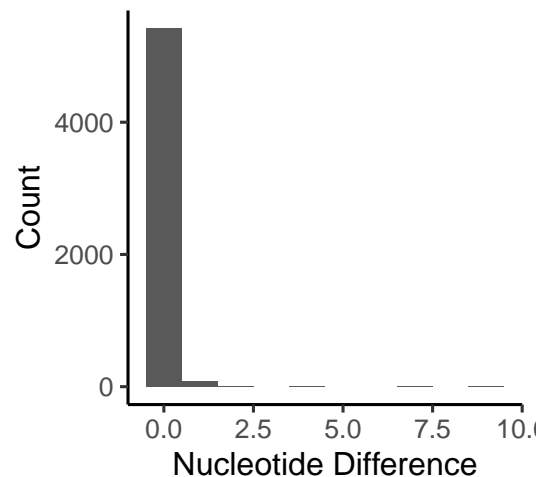
TRBV2*ap01

7310 sequences assigned
7240 (99%) exact matches, in which:
7137 unique CDR3
13 unique J



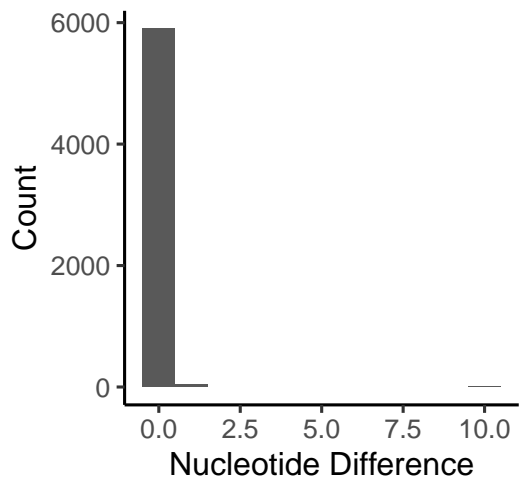
TRBV30*ap01

5520 sequences assigned
5419 (98.2%) exact matches, in which:
5358 unique CDR3
13 unique J



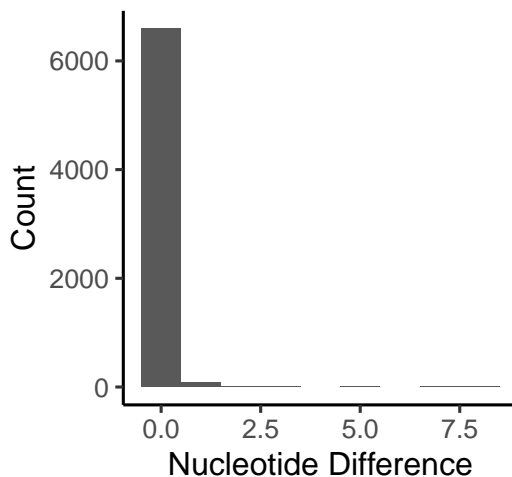
TRBV18*ap01

5941 sequences assigned
5900 (99.3%) exact matches, in which:
5791 unique CDR3
13 unique J



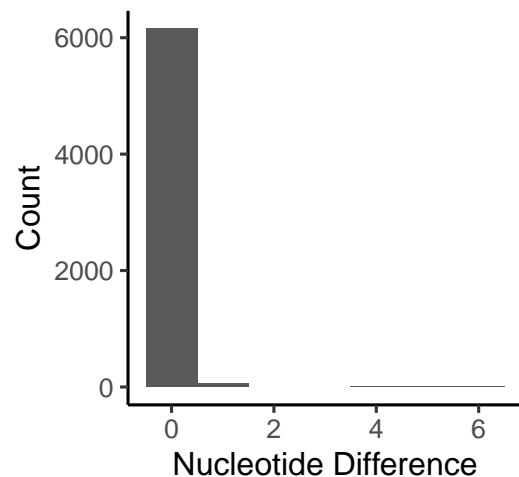
TRBV27*ap01

6689 sequences assigned
6592 (98.5%) exact matches, in which:
6450 unique CDR3
13 unique J



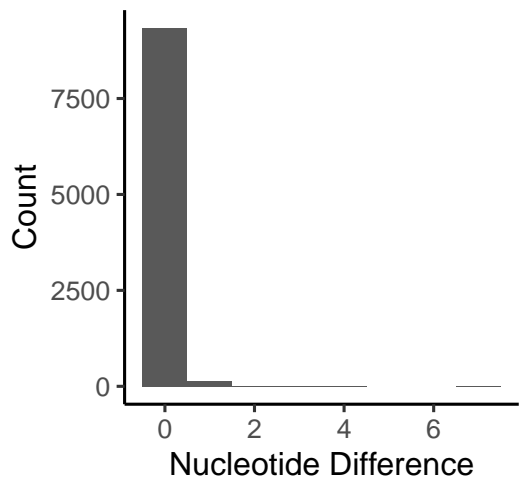
TRBV9*ap01

6222 sequences assigned
6154 (98.9%) exact matches, in which:
6016 unique CDR3
13 unique J



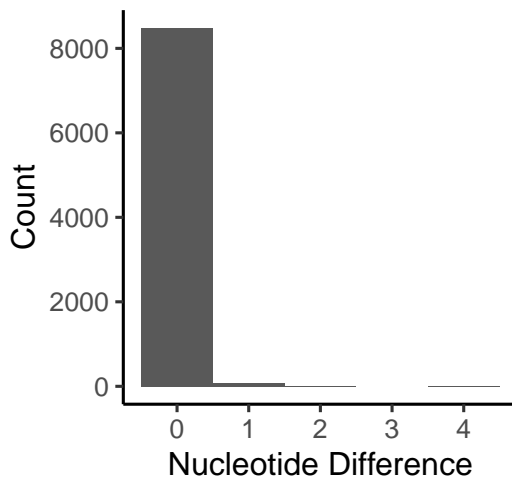
TRBV19*ap01

9487 sequences assigned
9336 (98.4%) exact matches, in which:
9180 unique CDR3
13 unique J



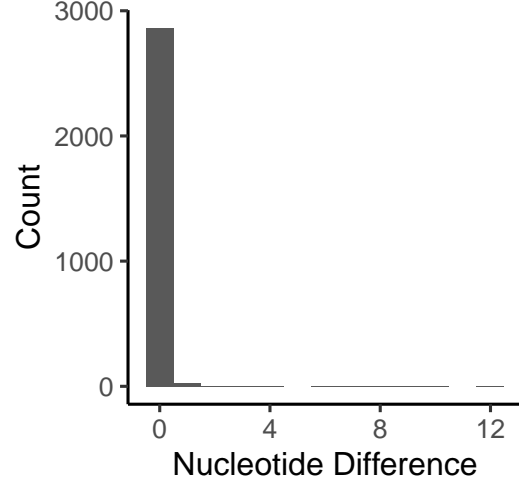
TRBV28*ap01

8574 sequences assigned
8481 (98.9%) exact matches, in which:
8272 unique CDR3
13 unique J



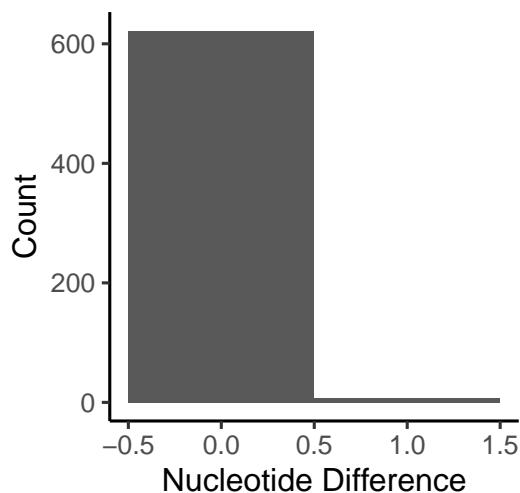
TRBV21-1*ap01

2908 sequences assigned
2862 (98.4%) exact matches, in which:
2796 unique CDR3
13 unique J



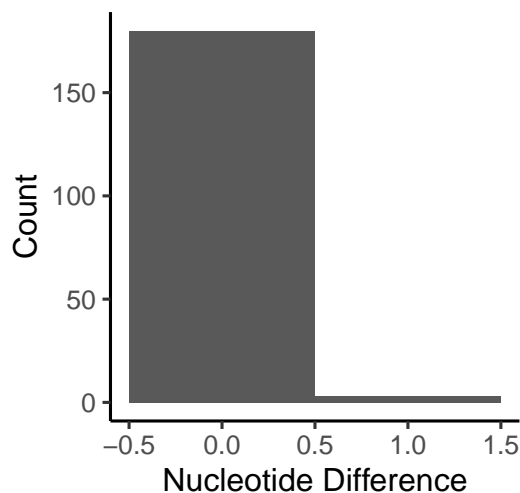
TRBV11-1*ap01

630 sequences assigned
622 (98.7%) exact matches, in which:
610 unique CDR3
13 unique J



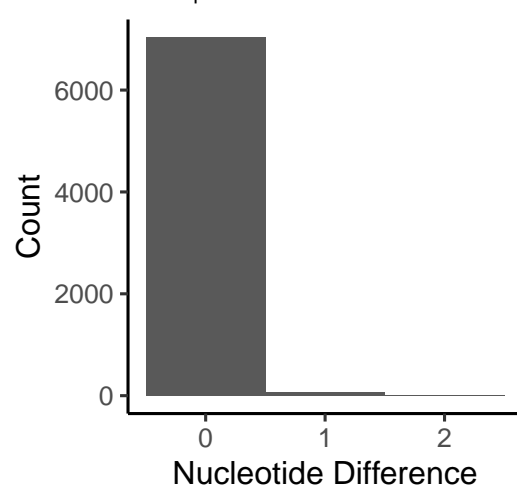
TRBV12-1*ap01

183 sequences assigned
180 (98.4%) exact matches, in which:
175 unique CDR3
13 unique J



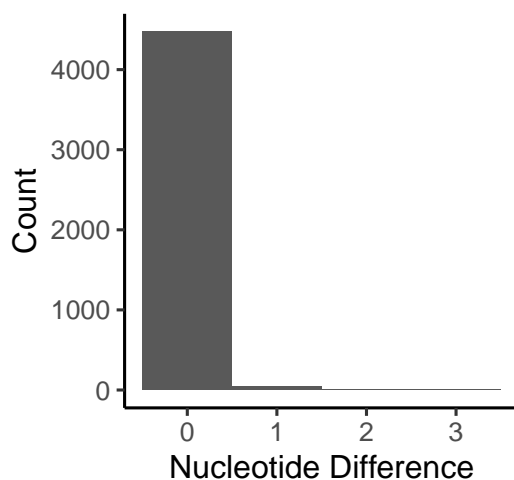
TRBV12-34*ap01

7104 sequences assigned
7034 (99%) exact matches, in which:
6893 unique CDR3
13 unique J



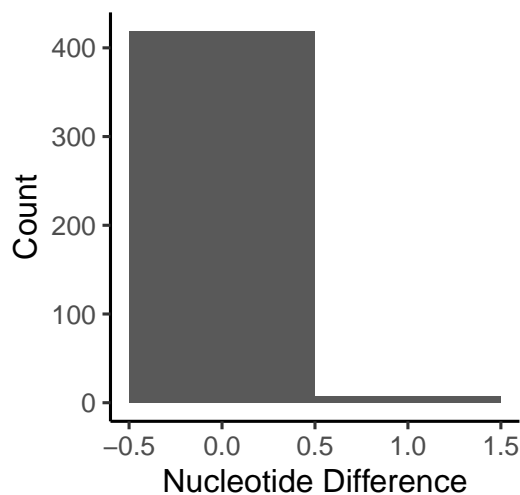
TRBV11-2*ap01

4519 sequences assigned
4473 (99%) exact matches, in which:
4381 unique CDR3
13 unique J



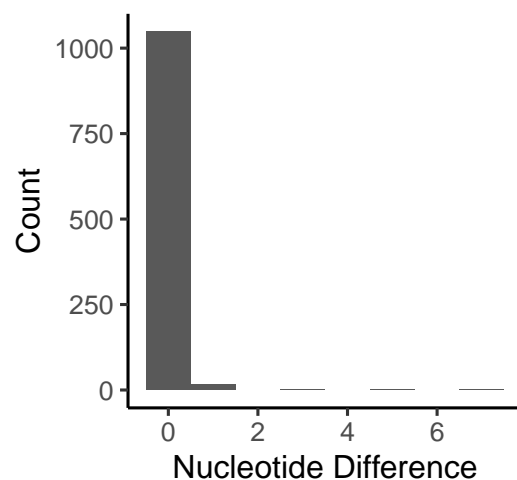
TRBV12-2*ap01

426 sequences assigned
419 (98.4%) exact matches, in which:
411 unique CDR3
13 unique J



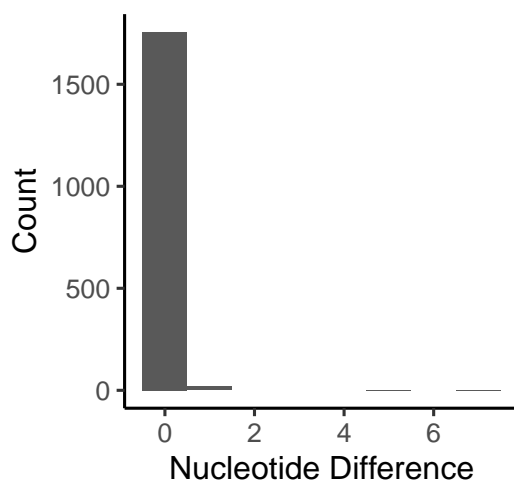
TRBV23-1*ap01

1067 sequences assigned
1048 (98.2%) exact matches, in which:
1021 unique CDR3
13 unique J



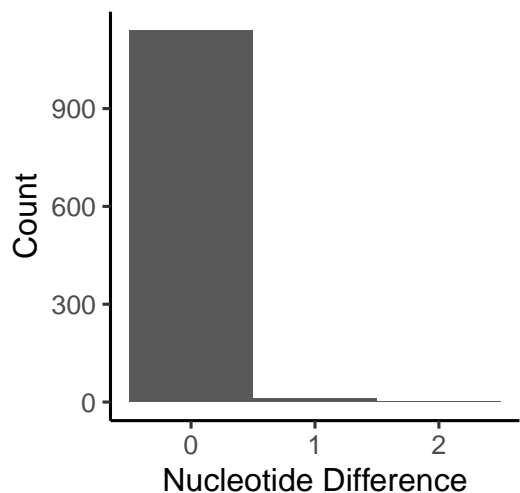
TRBV11-3*ap01

1777 sequences assigned
1756 (98.8%) exact matches, in which:
1729 unique CDR3
13 unique J



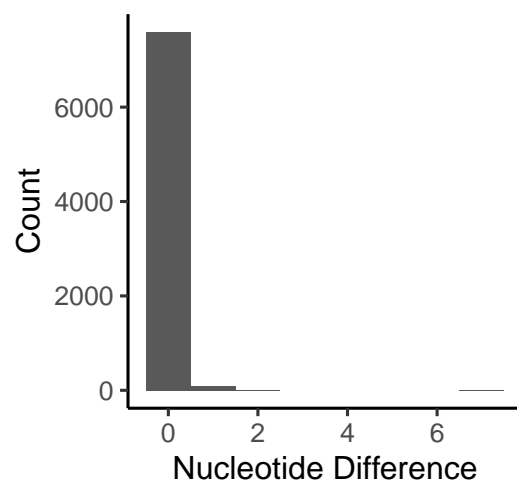
TRBV12-5*ap01

1151 sequences assigned
1140 (99%) exact matches, in which:
1110 unique CDR3
13 unique J



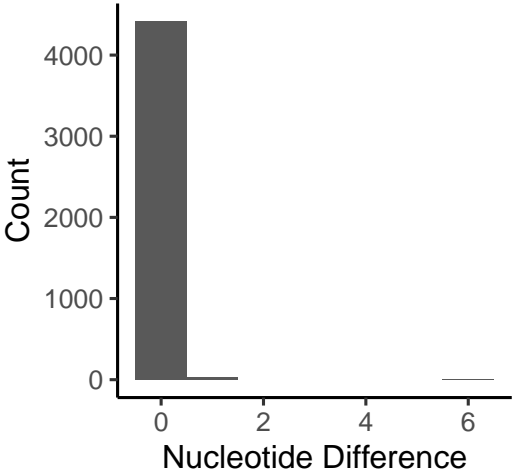
TRBV3-12*ap01

7688 sequences assigned
7591 (98.7%) exact matches, in which:
7468 unique CDR3
13 unique J



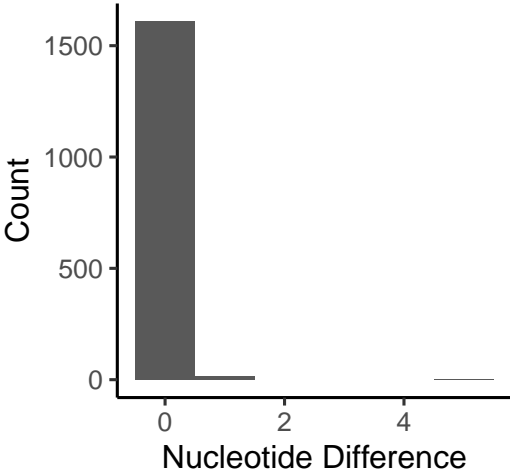
TRBV4-1*ap01

4451 sequences assigned
4415 (99.2%) exact matches, in which:
4349 unique CDR3
13 unique J



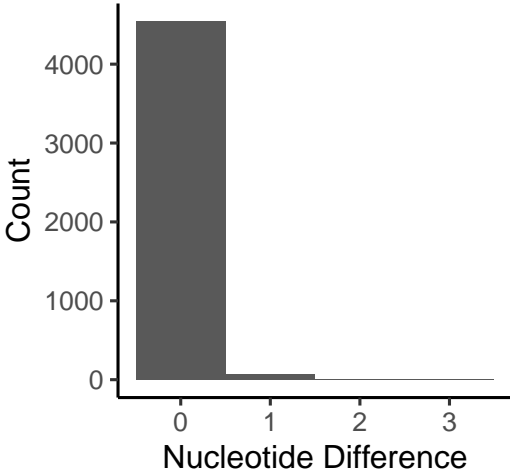
TRBV25-1*ap01

1625 sequences assigned
1609 (99%) exact matches, in which:
1584 unique CDR3
13 unique J



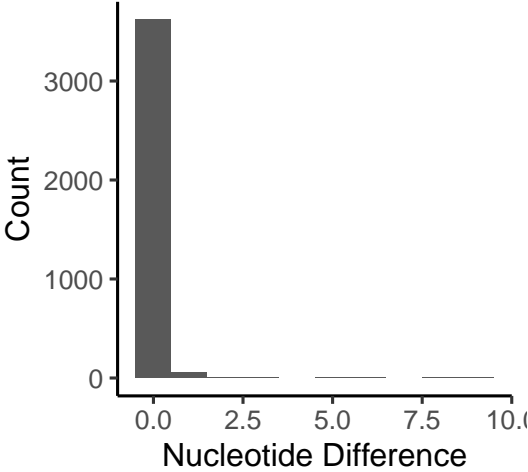
TRBV5-4*ap01

4611 sequences assigned
4542 (98.5%) exact matches, in which:
4456 unique CDR3
13 unique J



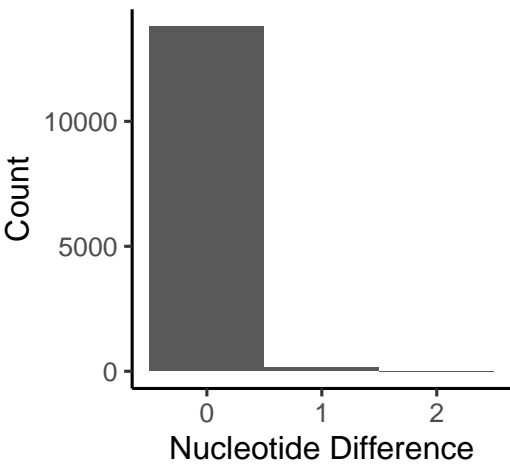
TRBV24-1*ap01

3680 sequences assigned
3619 (98.3%) exact matches, in which:
3577 unique CDR3
13 unique J



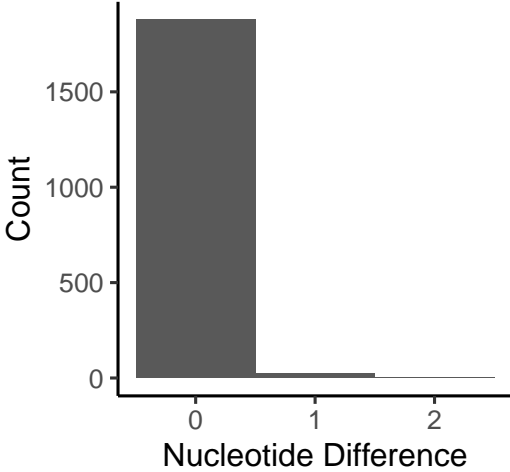
TRBV5-1*ap01

13954 sequences assigned
13797 (98.9%) exact matches, in which:
13489 unique CDR3
13 unique J



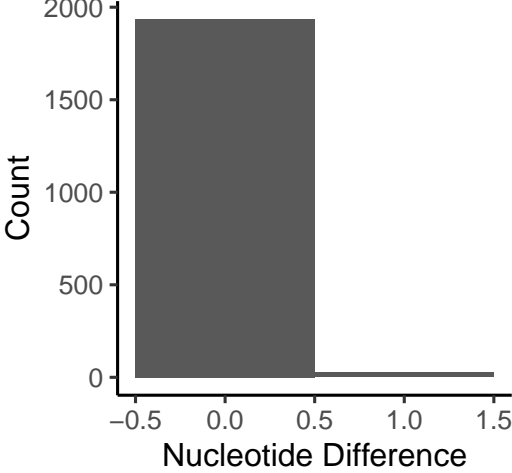
TRBV5-5*ap01

1904 sequences assigned
1878 (98.6%) exact matches, in which:
1850 unique CDR3
13 unique J



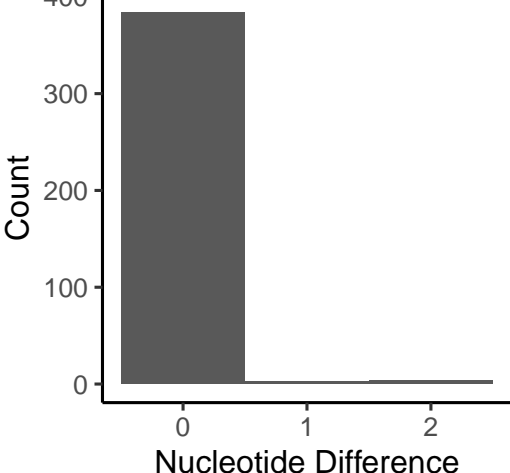
TRBV4-2*ap01

1962 sequences assigned
1936 (98.7%) exact matches, in which:
1908 unique CDR3
13 unique J



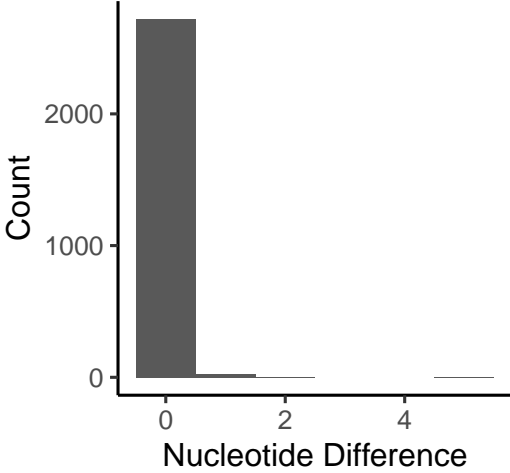
TRBV5-3*ap01

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



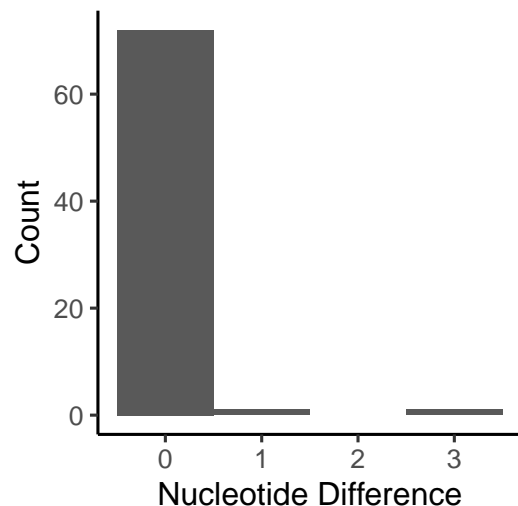
TRBV5-6*ap01

2750 sequences assigned
2720 (98.9%) exact matches, in which:
2661 unique CDR3
13 unique J



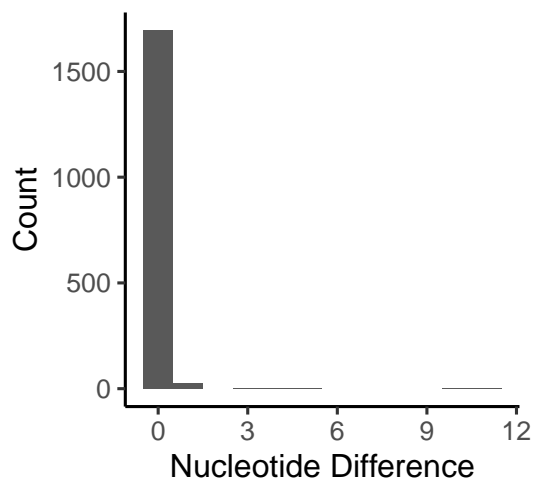
TRBV5-7*ap01

74 sequences assigned
72 (97.3%) exact matches, in which:
70 unique CDR3
11 unique J



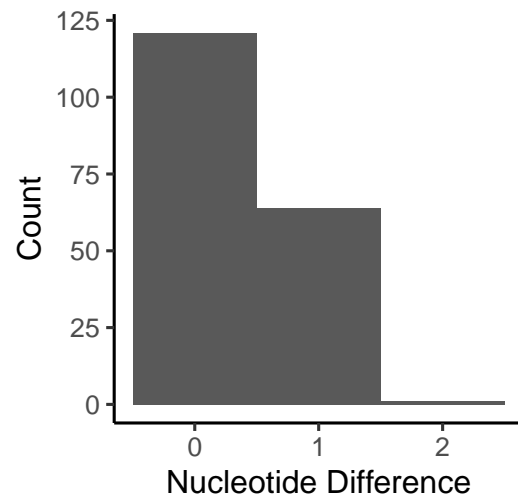
TRBV6-4*ap01

1728 sequences assigned
1694 (98%) exact matches, in which:
1656 unique CDR3
13 unique J



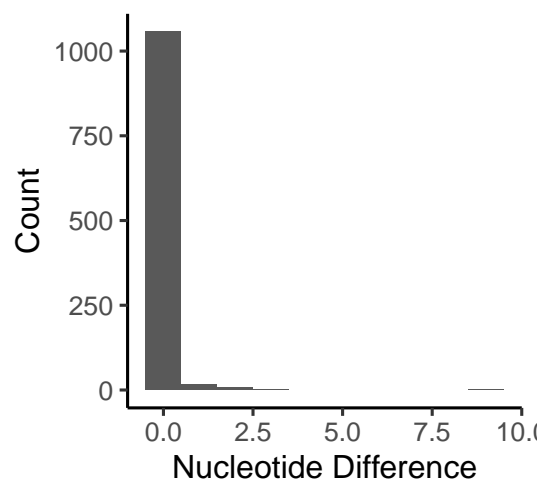
TRBV6-9*ap01

186 sequences assigned
121 (65.1%) exact matches, in which:
121 unique CDR3
13 unique J



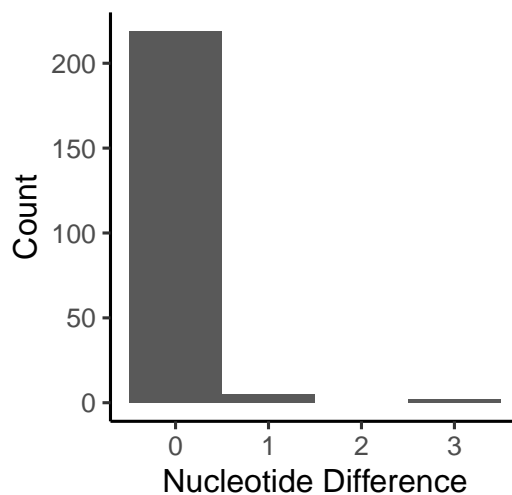
TRBV5-8*ap01

1081 sequences assigned
1057 (97.8%) exact matches, in which:
1034 unique CDR3
13 unique J



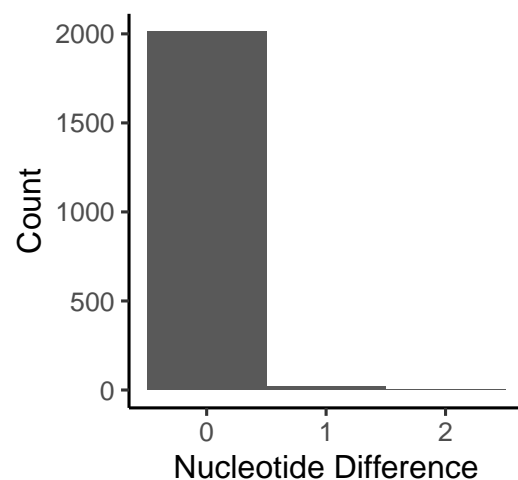
TRBV6-7*ap01

226 sequences assigned
219 (96.9%) exact matches, in which:
215 unique CDR3
14 unique J



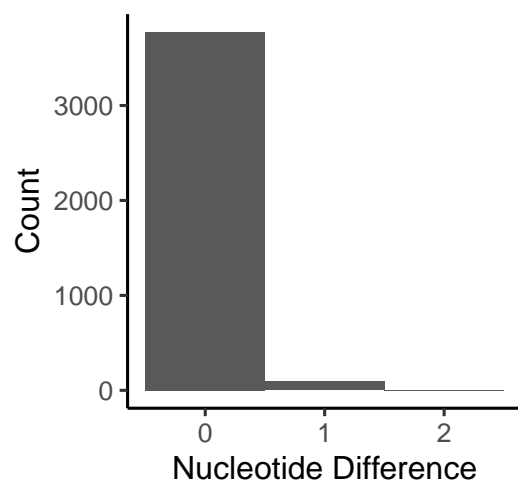
TRBV6-23*ap01

2036 sequences assigned
2012 (98.8%) exact matches, in which:
1985 unique CDR3
13 unique J



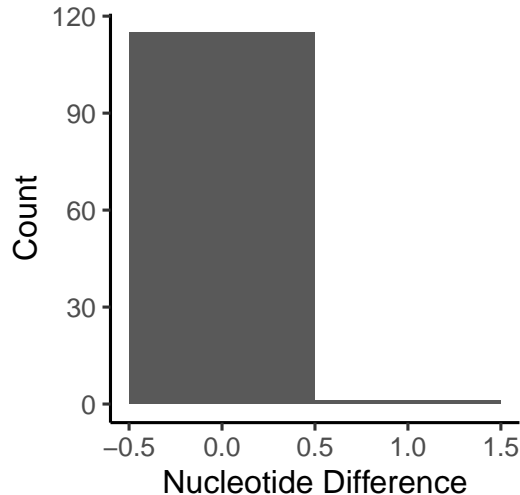
TRBV6-1*ap01

3869 sequences assigned
3774 (97.5%) exact matches, in which:
3712 unique CDR3
13 unique J



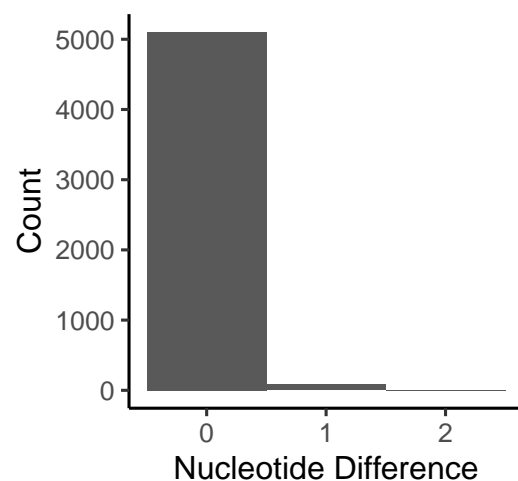
TRBV6-8*ap01

116 sequences assigned
115 (99.1%) exact matches, in which:
114 unique CDR3
13 unique J



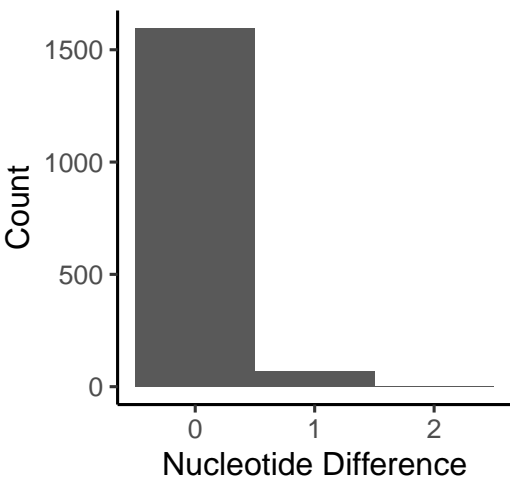
TRBV6-56*ap01

5186 sequences assigned
5103 (98.4%) exact matches, in which:
5008 unique CDR3
13 unique J



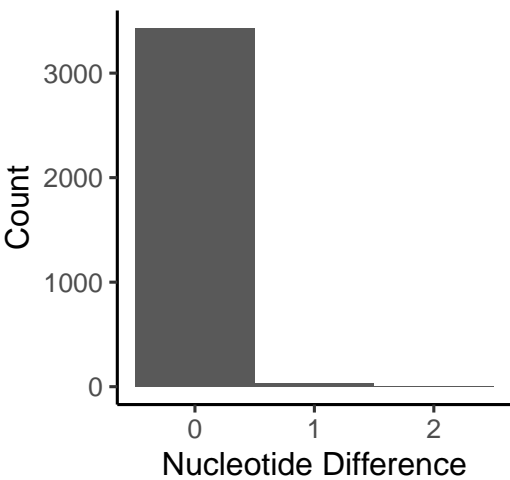
TRBV6-56*ap02

1666 sequences assigned
1595 (95.7%) exact matches, in which:
1565 unique CDR3
13 unique J



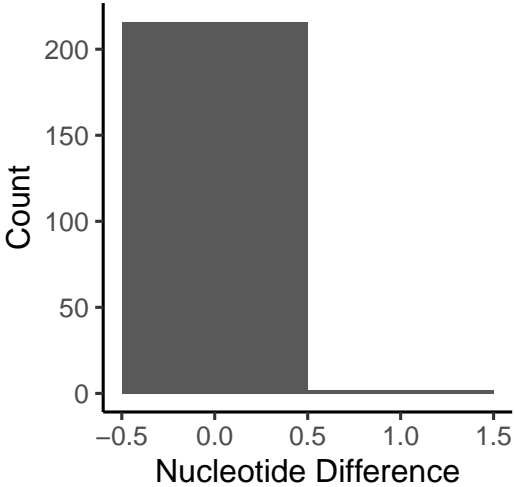
TRBV7-2*ap01

3465 sequences assigned
3428 (98.9%) exact matches, in which:
3349 unique CDR3
13 unique J



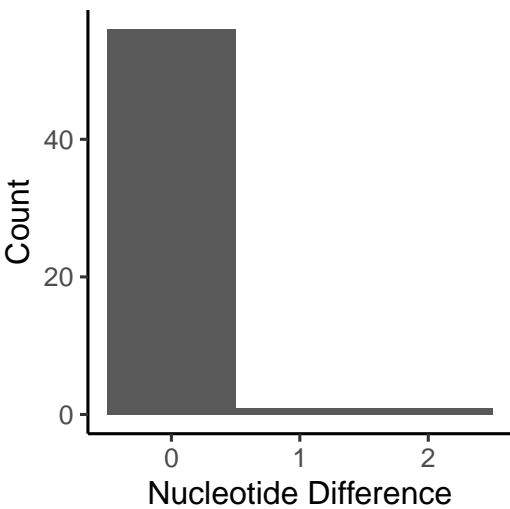
TRBV7-4*ap01

218 sequences assigned
216 (99.1%) exact matches, in which:
215 unique CDR3
13 unique J



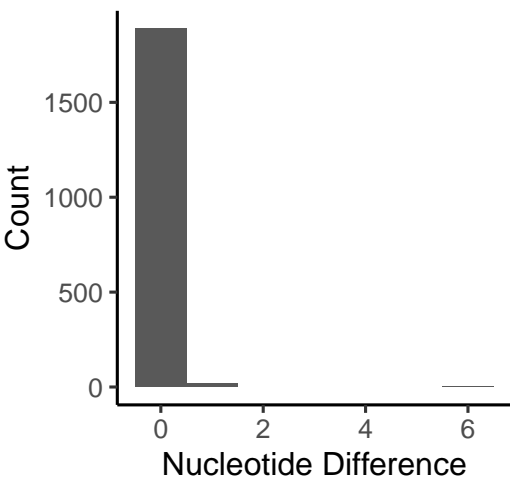
TRBV7-1*ap01_G291C_T

58 sequences assigned
56 (96.6%) exact matches, in which:
55 unique CDR3
12 unique J



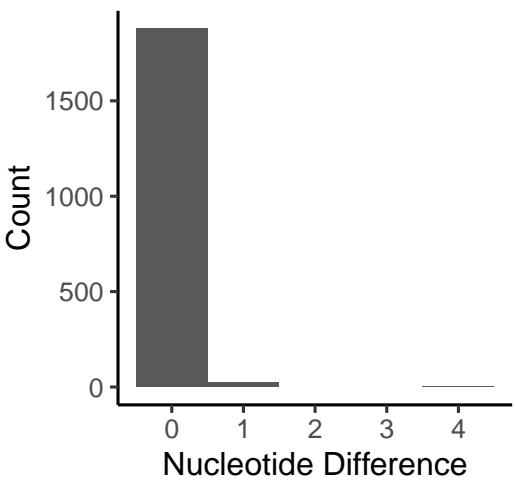
TRBV7-3*ap01

1909 sequences assigned
1888 (98.9%) exact matches, in which:
1856 unique CDR3
13 unique J



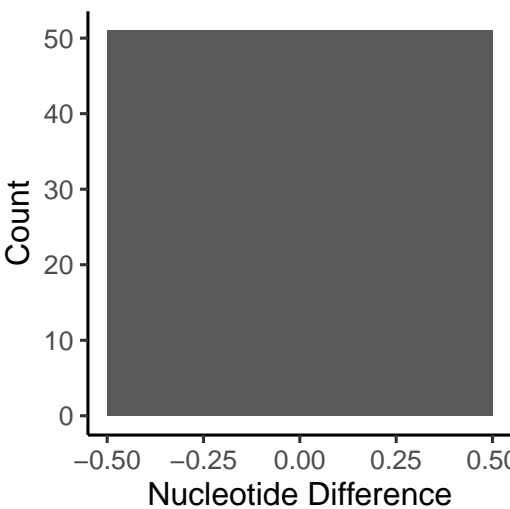
TRBV7-6*ap01

1905 sequences assigned
1878 (98.6%) exact matches, in which:
1841 unique CDR3
13 unique J



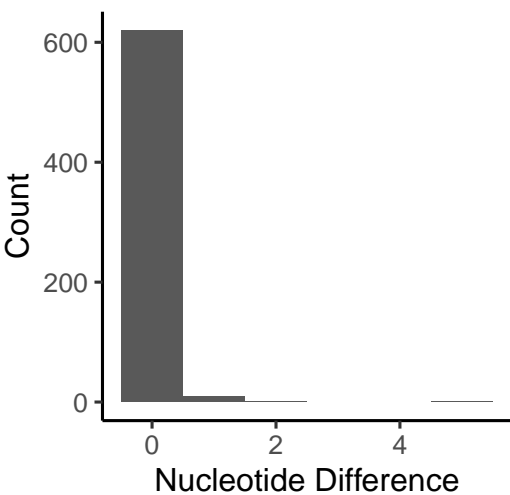
TRBV7-1*ap01_G291C_T

51 sequences assigned
51 (100%) exact matches, in which:
50 unique CDR3
12 unique J



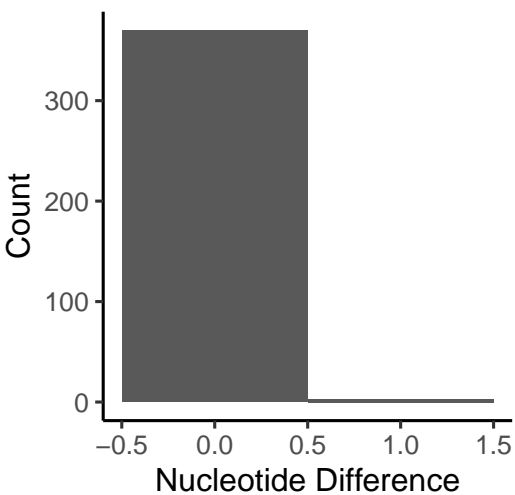
TRBV7-3*ap03

631 sequences assigned
620 (98.3%) exact matches, in which:
606 unique CDR3
13 unique J



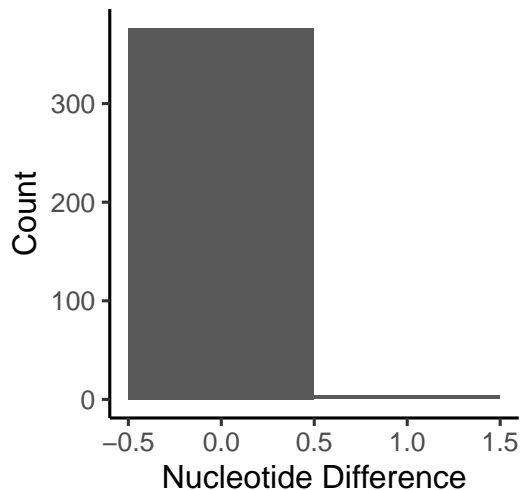
TRBV7-7*ap01

373 sequences assigned
370 (99.2%) exact matches, in which:
362 unique CDR3
13 unique J



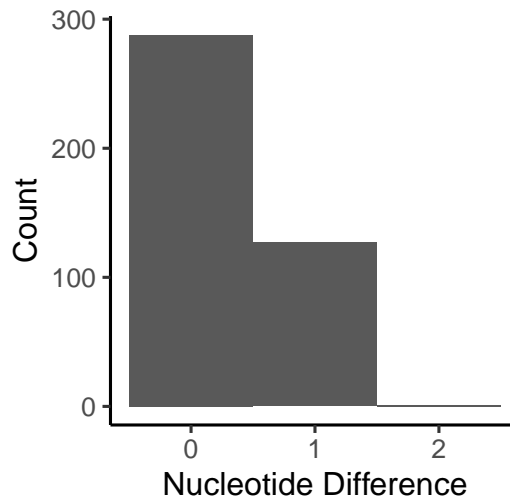
TRBV7-7*ap01_C315T

381 sequences assigned
377 (99%) exact matches, in which:
369 unique CDR3
13 unique J



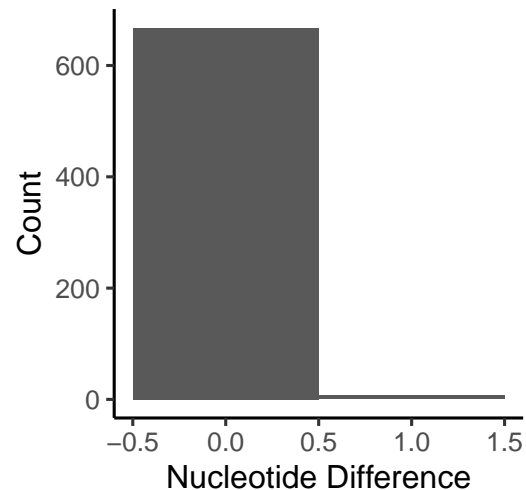
TRBV7-8*ap03

416 sequences assigned
288 (69.2%) exact matches, in which:
284 unique CDR3
13 unique J



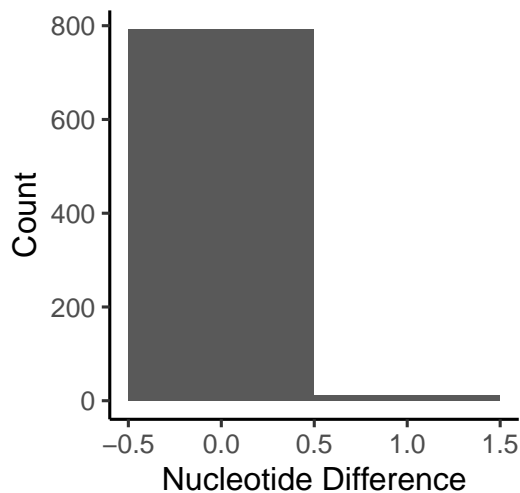
TRBV29-1*ap02

675 sequences assigned
668 (99%) exact matches, in which:
660 unique CDR3
13 unique J



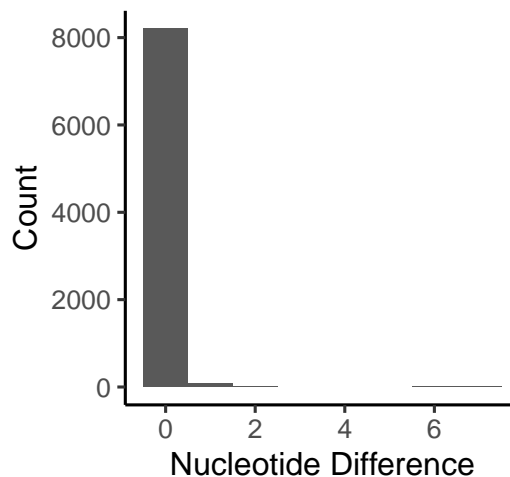
TRBV7-8*ap01

805 sequences assigned
793 (98.5%) exact matches, in which:
778 unique CDR3
13 unique J



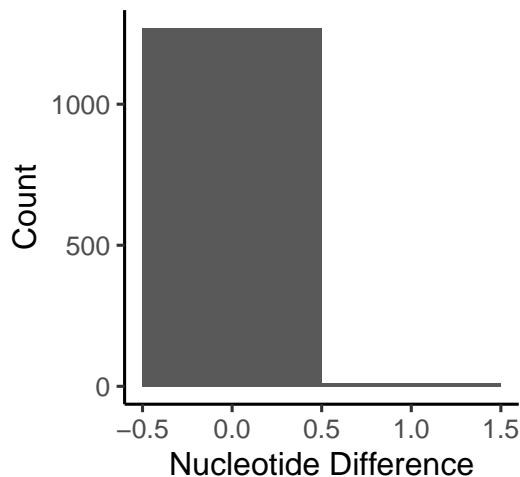
TRBV7-9*ap01

8294 sequences assigned
8203 (98.9%) exact matches, in which:
8074 unique CDR3
13 unique J



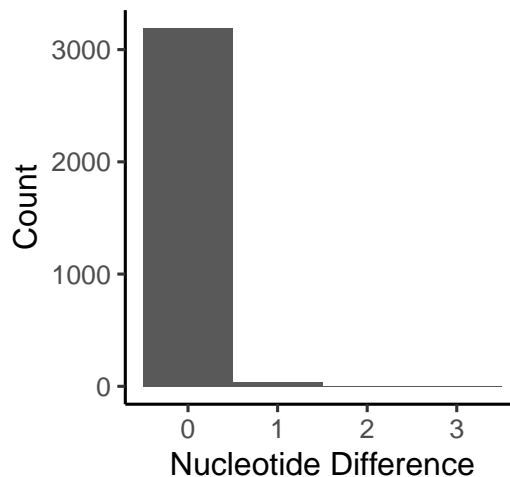
TRBV7-8*ap02

1282 sequences assigned
1270 (99.1%) exact matches, in which:
1240 unique CDR3
13 unique J

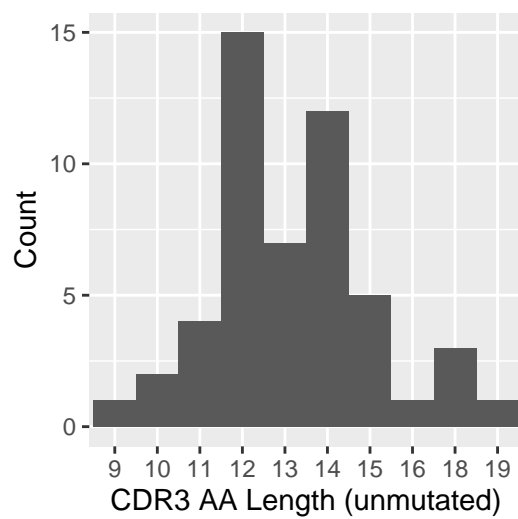


TRBV29-1*ap01

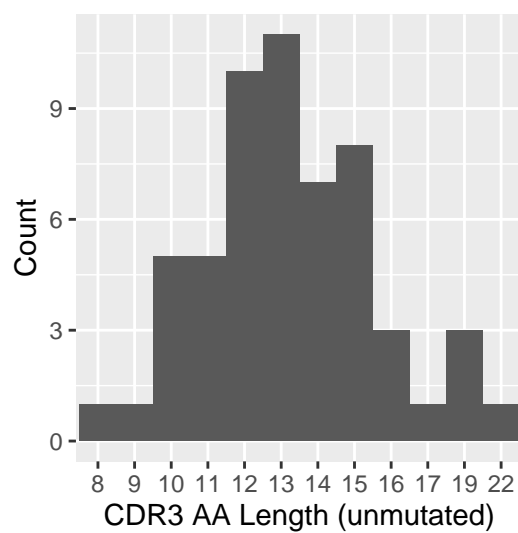
3238 sequences assigned
3192 (98.6%) exact matches, in which:
3142 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

