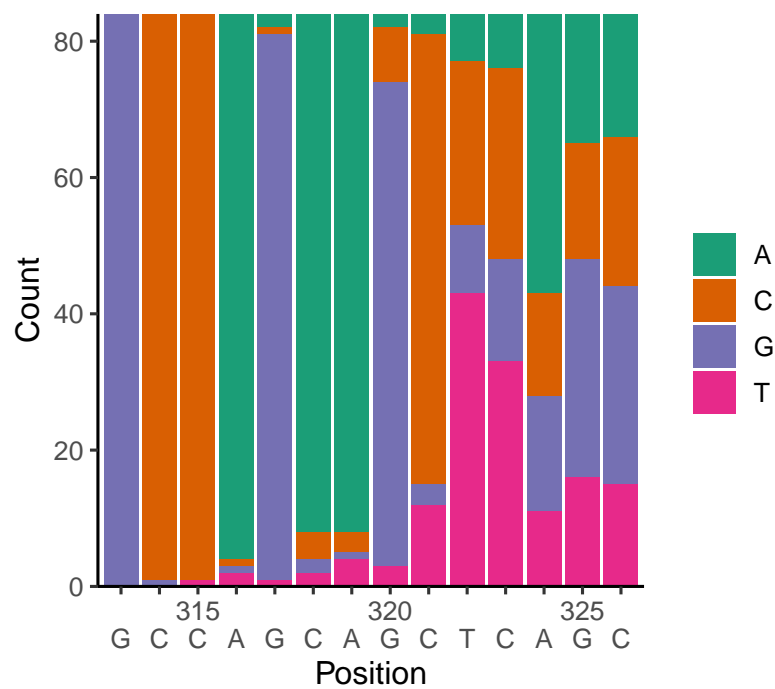
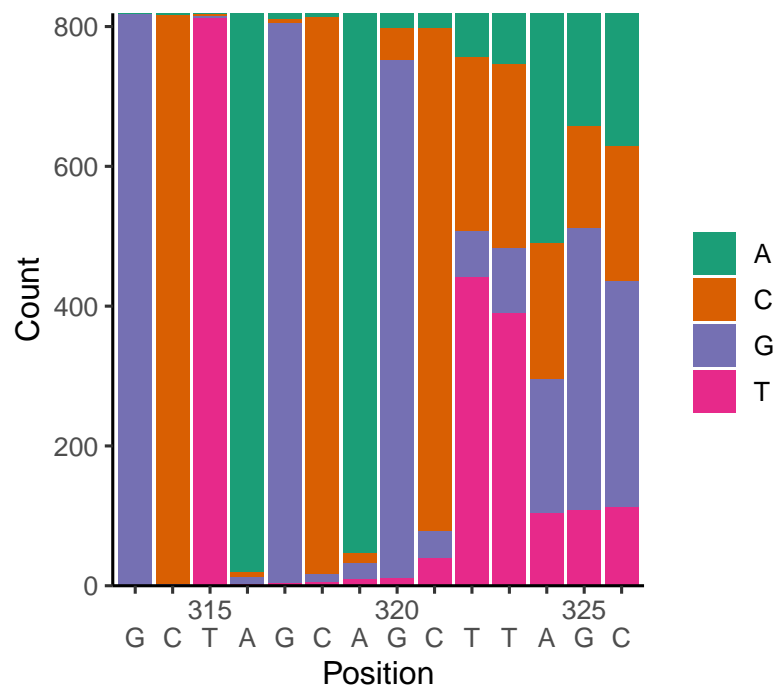


Gene TRBV7-1*ap01_G291C_T296C



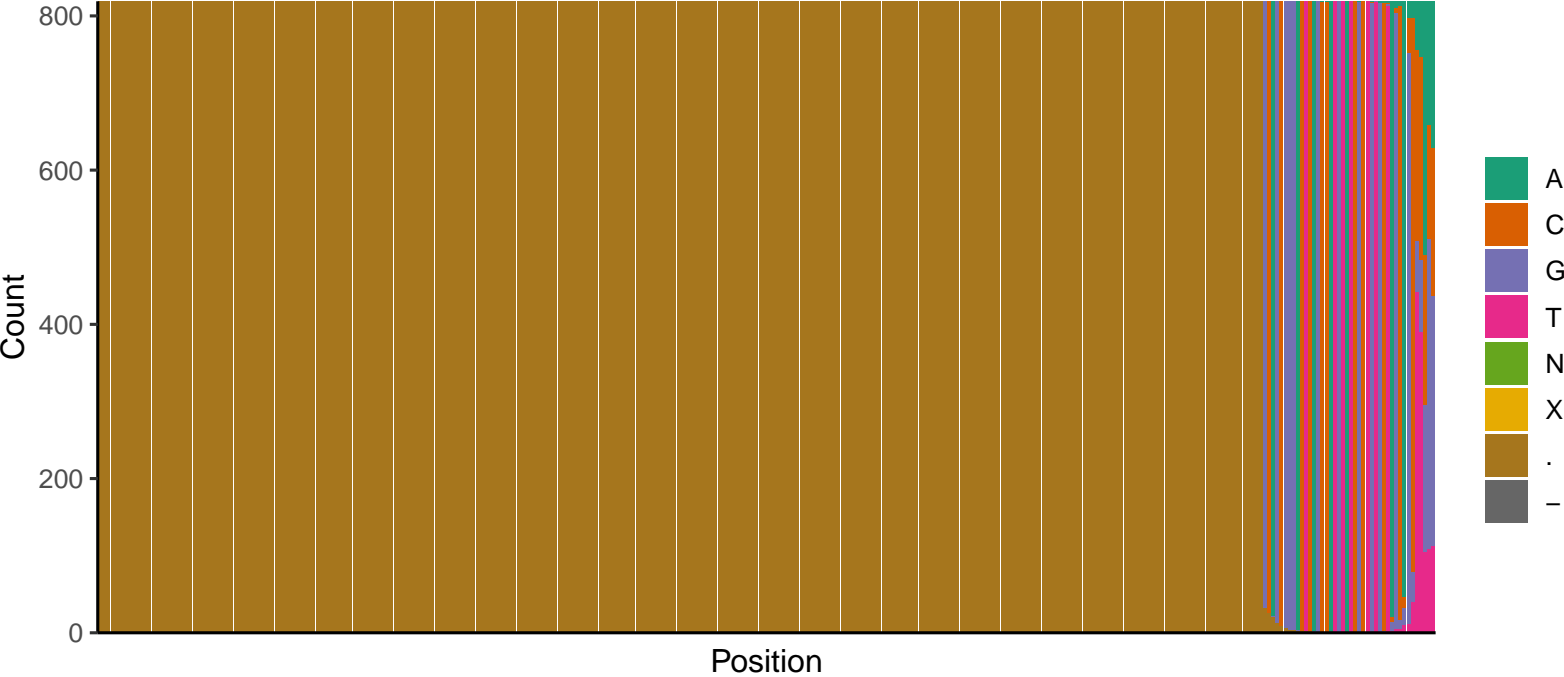
Gene TRBV7-7*ap01_C315T



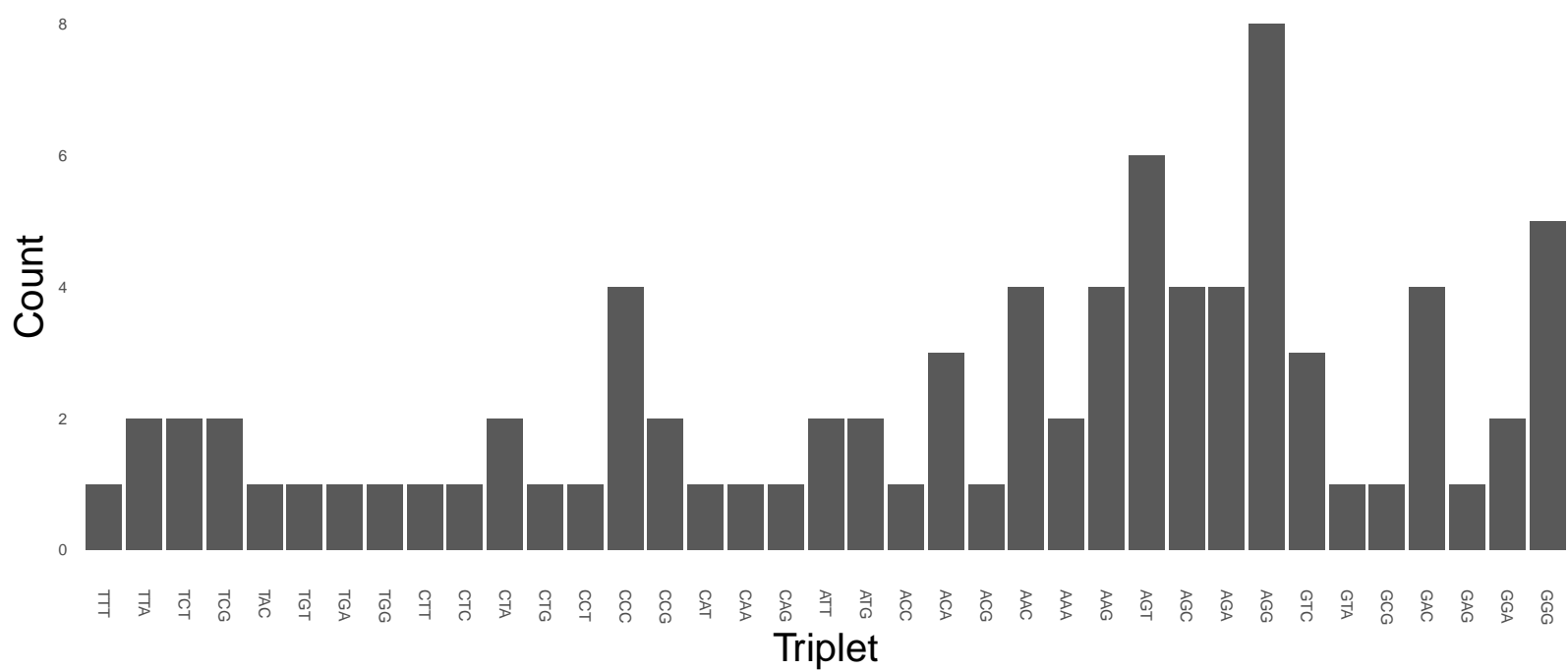
Gene TRBV7-1*ap01_G291C_T296C



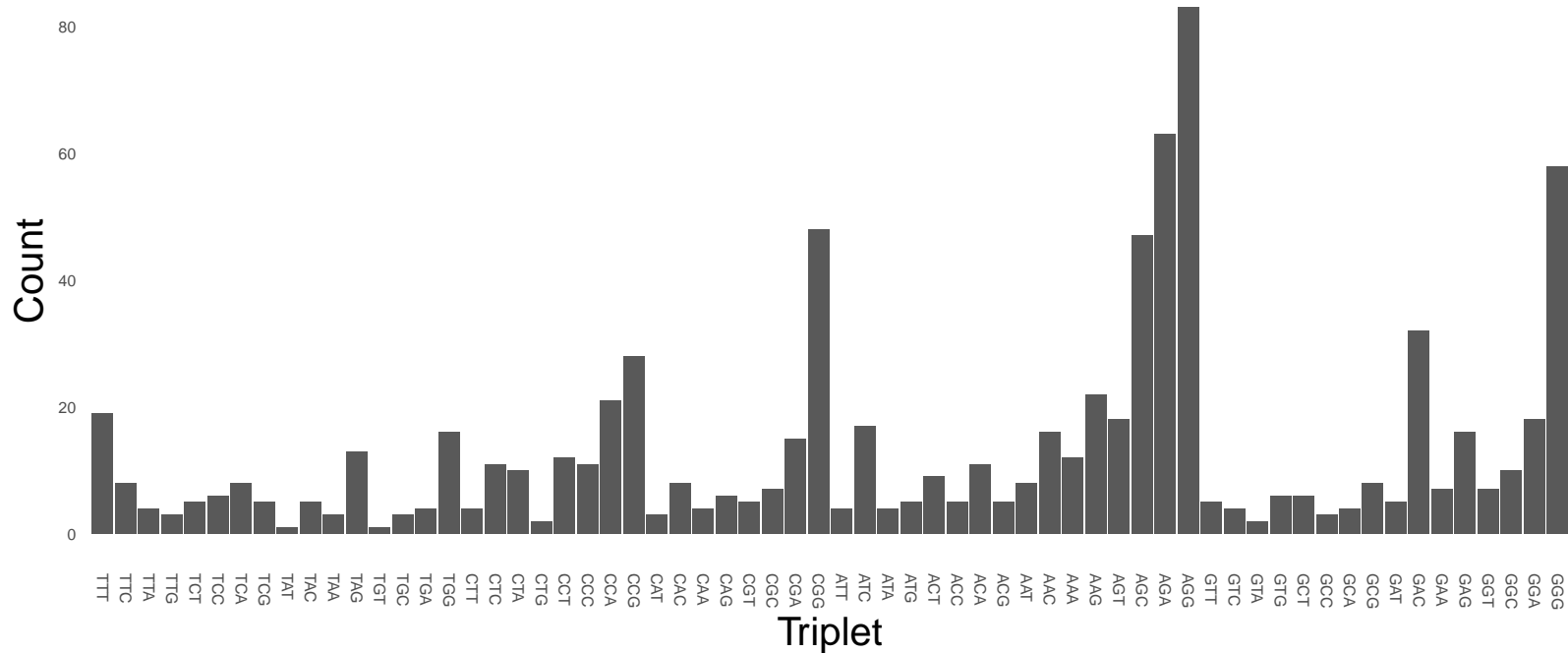
Gene TRBV7-7*ap01_C315T



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

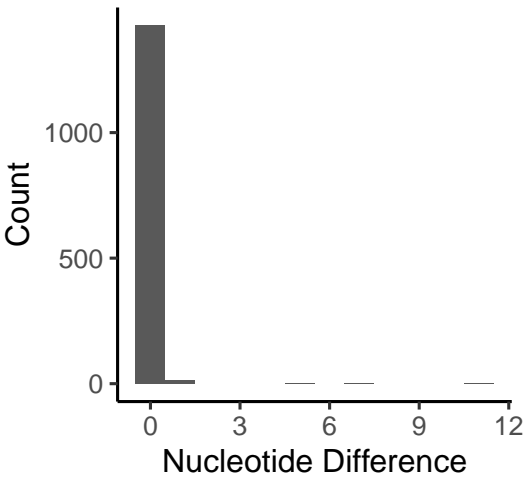


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



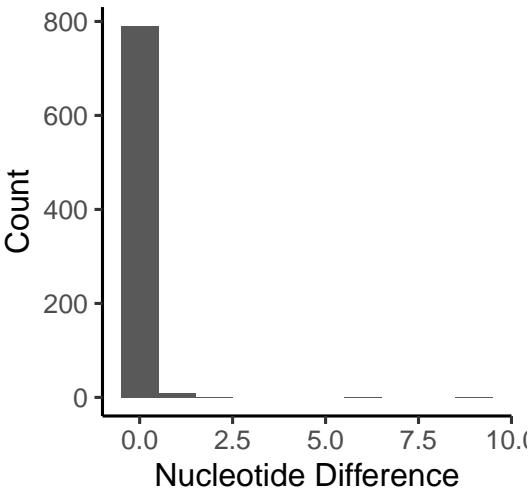
TRBV10-1*ap01

1446 sequences assigned
1427 (98.7%) exact matches, in which:
1416 unique CDR3
14 unique J



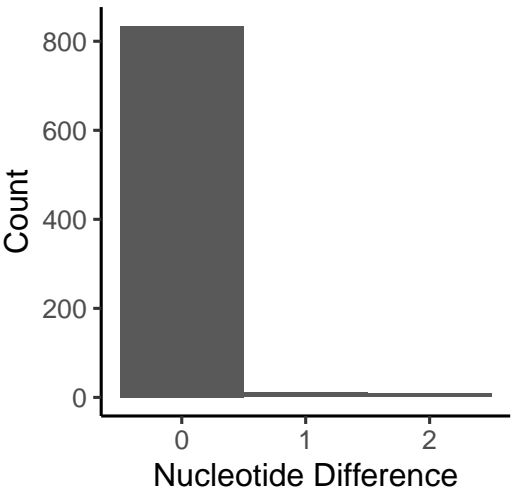
TRBV10-2*ap01

803 sequences assigned
791 (98.5%) exact matches, in which:
779 unique CDR3
14 unique J



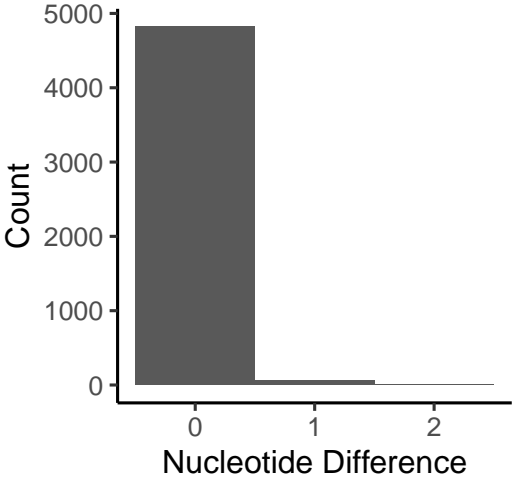
TRBV13*ap01

855 sequences assigned
835 (97.7%) exact matches, in which:
826 unique CDR3
14 unique J



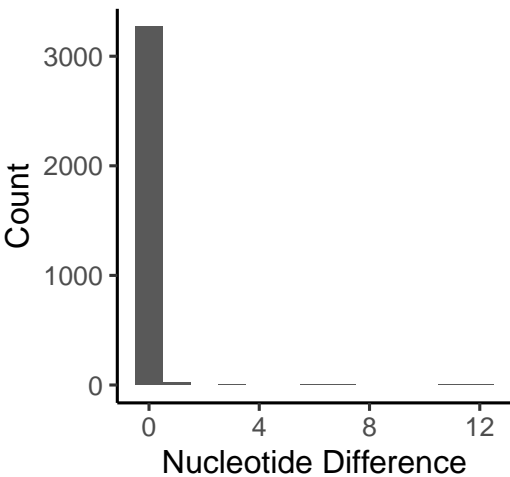
TRBV20-1*ap01

4885 sequences assigned
4821 (98.7%) exact matches, in which:
4763 unique CDR3
14 unique J



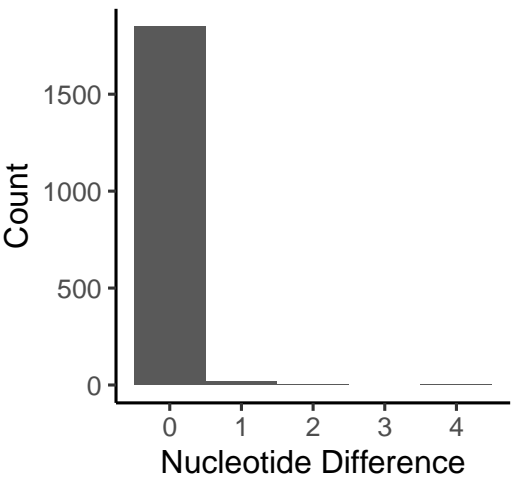
TRBV10-3*ap01

3298 sequences assigned
3269 (99.1%) exact matches, in which:
3239 unique CDR3
14 unique J



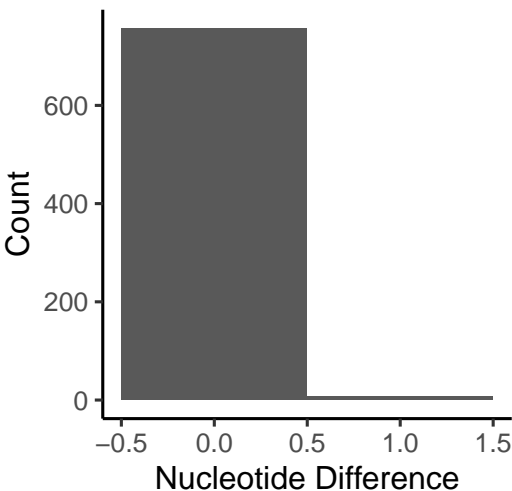
TRBV14*ap01

1868 sequences assigned
1848 (98.9%) exact matches, in which:
1833 unique CDR3
14 unique J



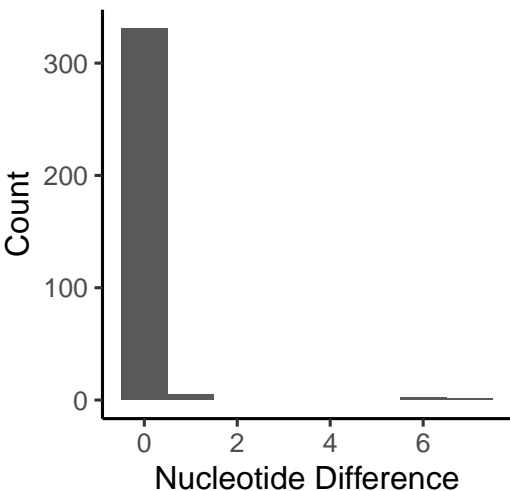
TRBV20-1*ap02

765 sequences assigned
757 (99%) exact matches, in which:
748 unique CDR3
14 unique J



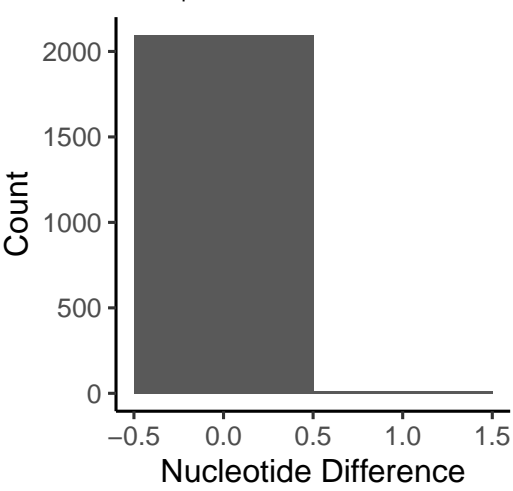
TRBV1*ap01

339 sequences assigned
331 (97.6%) exact matches, in which:
326 unique CDR3
14 unique J



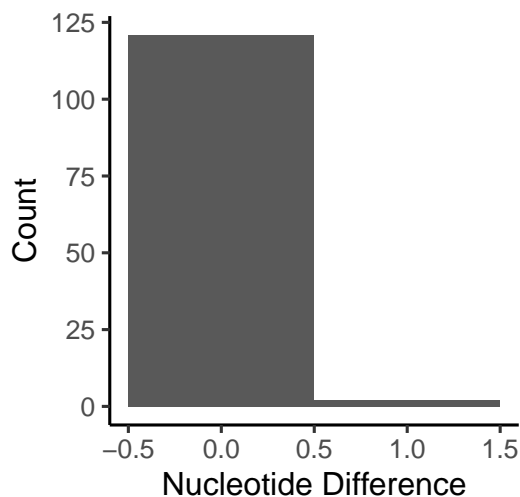
TRBV15*ap02

2110 sequences assigned
2096 (99.3%) exact matches, in which:
2063 unique CDR3
14 unique J



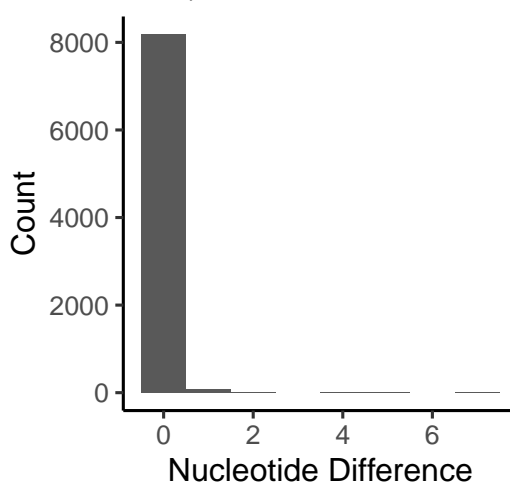
TRBV16*ap01

123 sequences assigned
121 (98.4%) exact matches, in which:
121 unique CDR3
14 unique J



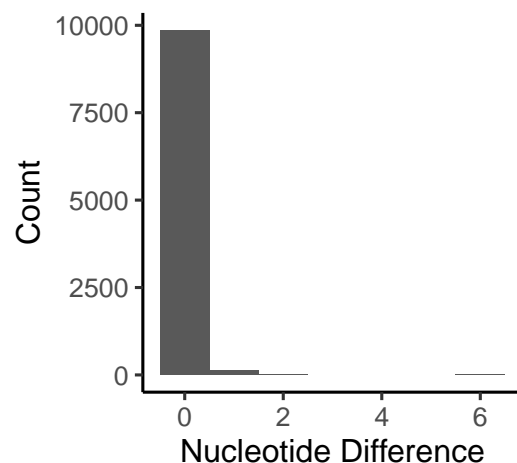
TRBV19*ap01

8273 sequences assigned
8182 (98.9%) exact matches, in which:
8137 unique CDR3
14 unique J



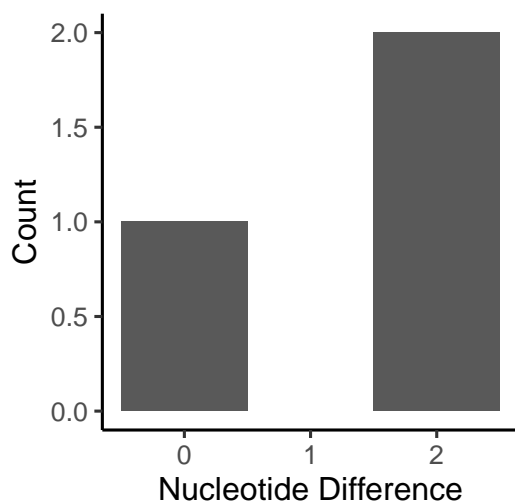
TRBV28*ap01

9999 sequences assigned
9861 (98.6%) exact matches, in which:
9763 unique CDR3
14 unique J



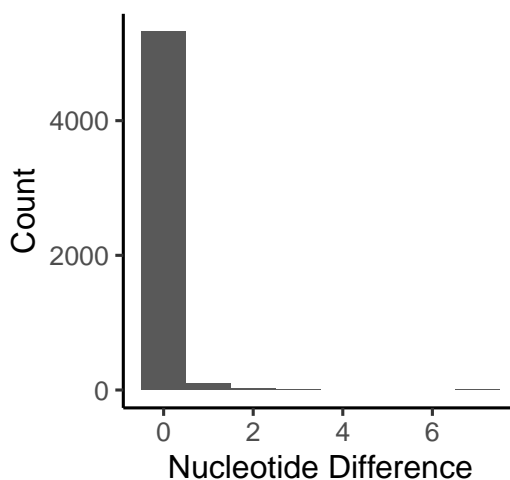
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



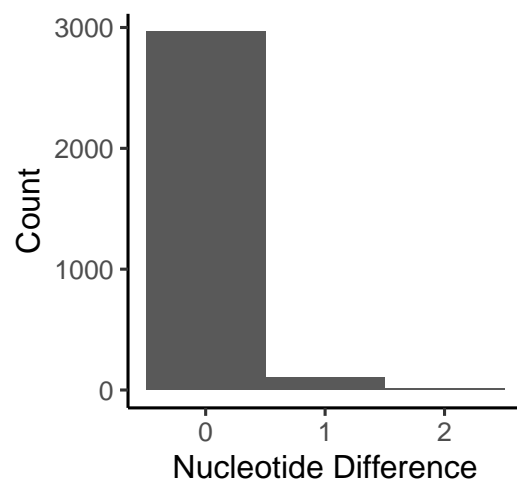
TRBV2*ap01

5448 sequences assigned
5321 (97.7%) exact matches, in which:
5246 unique CDR3
14 unique J



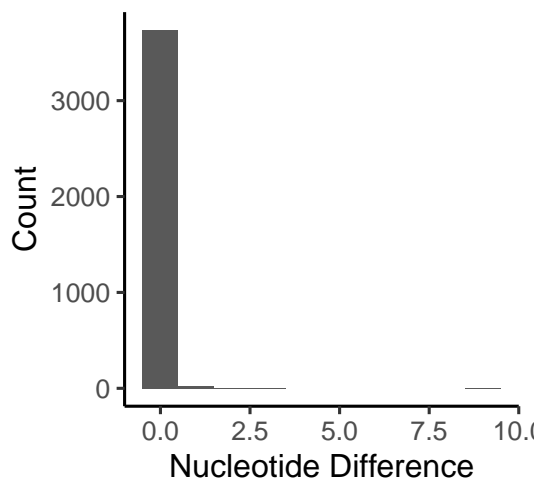
TRBV30*ap01

3083 sequences assigned
2965 (96.2%) exact matches, in which:
2889 unique CDR3
14 unique J



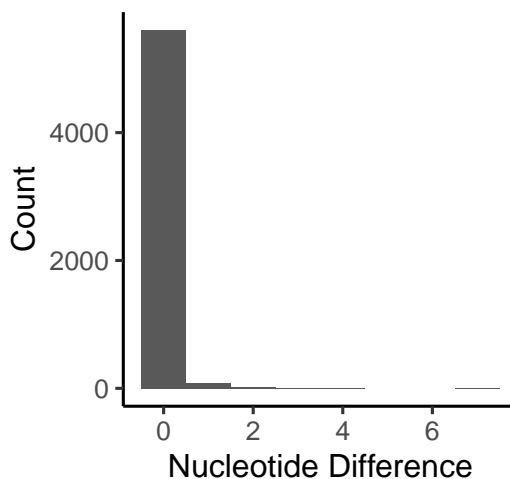
TRBV18*ap01

3764 sequences assigned
3736 (99.3%) exact matches, in which:
3712 unique CDR3
14 unique J



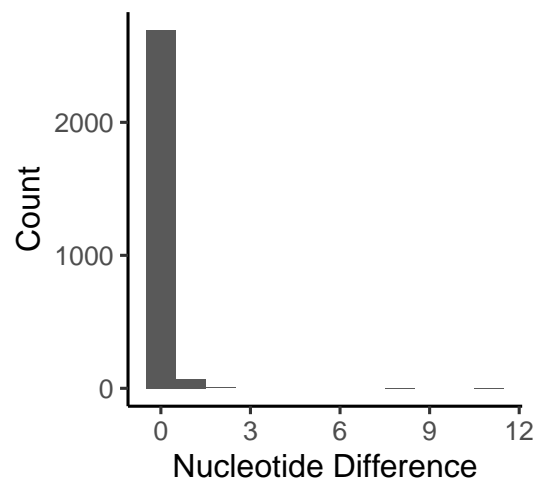
TRBV27*ap01

5710 sequences assigned
5605 (98.2%) exact matches, in which:
5551 unique CDR3
14 unique J



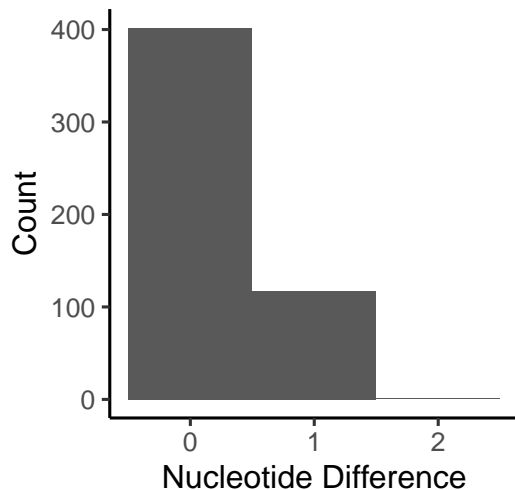
TRBV30*ap02

2774 sequences assigned
2694 (97.1%) exact matches, in which:
2662 unique CDR3
14 unique J



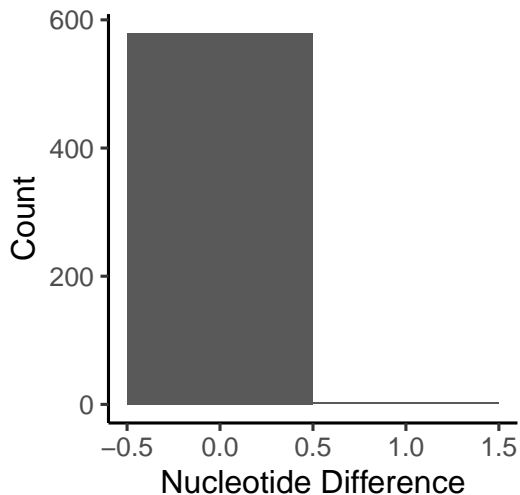
TRBV30*ap03

520 sequences assigned
402 (77.3%) exact matches, in which:
392 unique CDR3
14 unique J



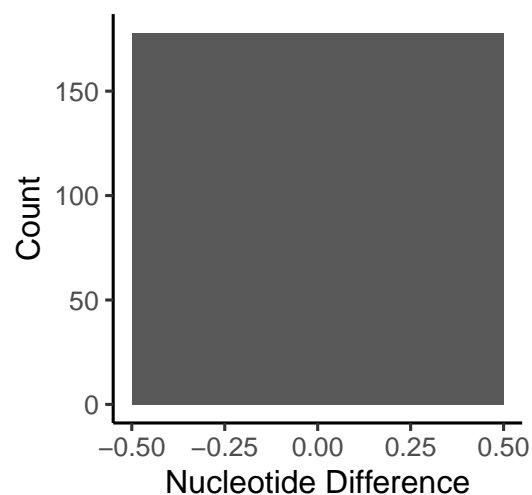
TRBV11-1*ap01

583 sequences assigned
580 (99.5%) exact matches, in which:
574 unique CDR3
14 unique J



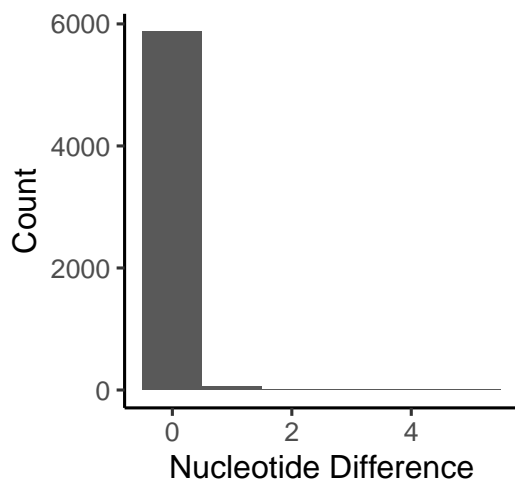
TRBV12-1*ap01

178 sequences assigned
178 (100%) exact matches, in which:
175 unique CDR3
14 unique J



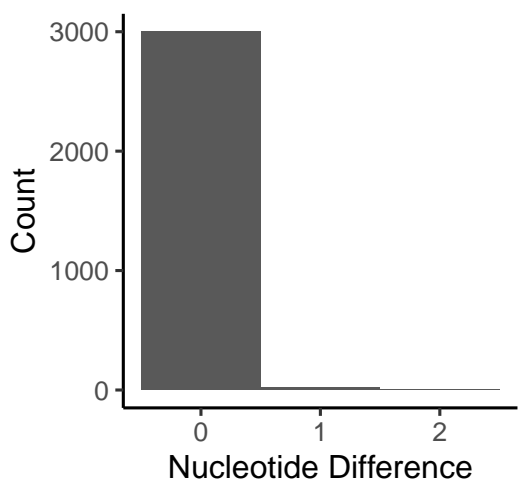
TRBV9*ap01

5937 sequences assigned
5872 (98.9%) exact matches, in which:
5833 unique CDR3
14 unique J



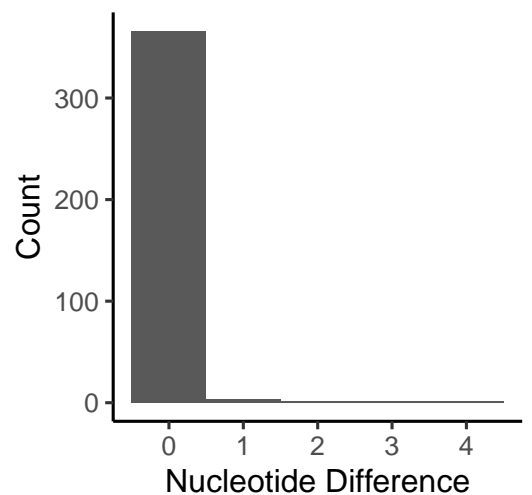
TRBV11-2*ap01

3018 sequences assigned
3000 (99.4%) exact matches, in which:
2981 unique CDR3
14 unique J



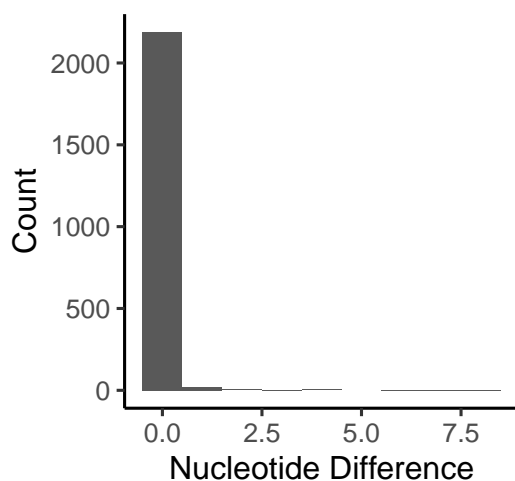
TRBV12-2*ap01

372 sequences assigned
366 (98.4%) exact matches, in which:
364 unique CDR3
14 unique J



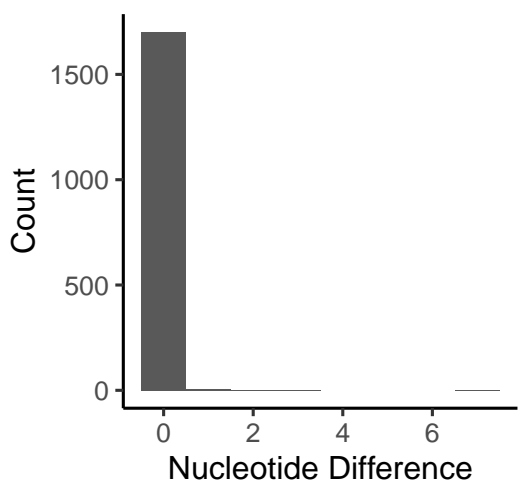
TRBV21-1*ap01

2222 sequences assigned
2189 (98.5%) exact matches, in which:
2176 unique CDR3
14 unique J



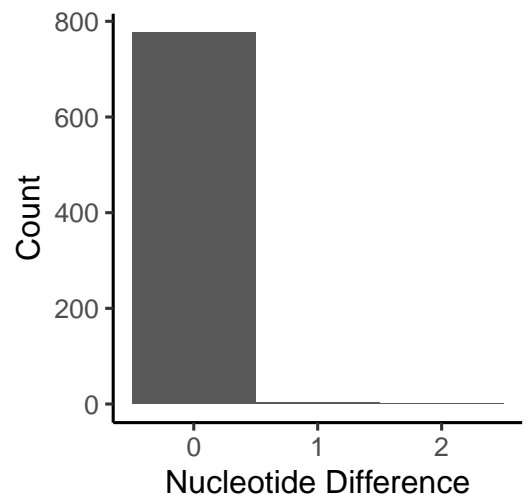
TRBV11-3*ap01

1711 sequences assigned
1701 (99.4%) exact matches, in which:
1691 unique CDR3
14 unique J



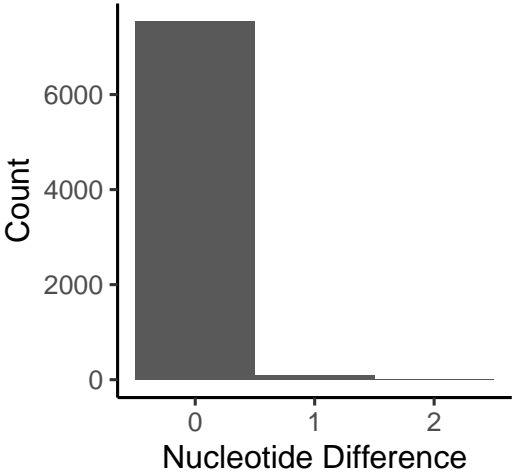
TRBV12-5*ap01

781 sequences assigned
777 (99.5%) exact matches, in which:
765 unique CDR3
14 unique J



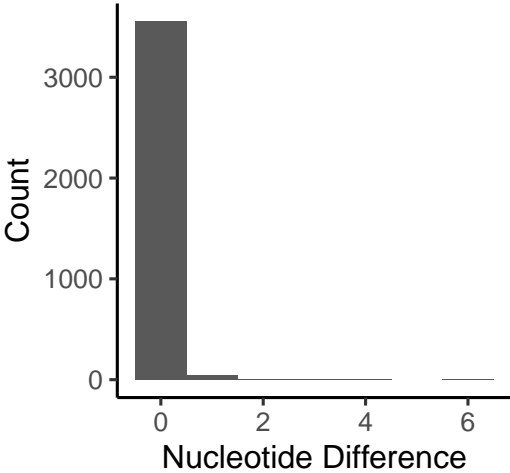
TRBV12-34*ap01

7639 sequences assigned
7539 (98.7%) exact matches, in which:
7461 unique CDR3
14 unique J



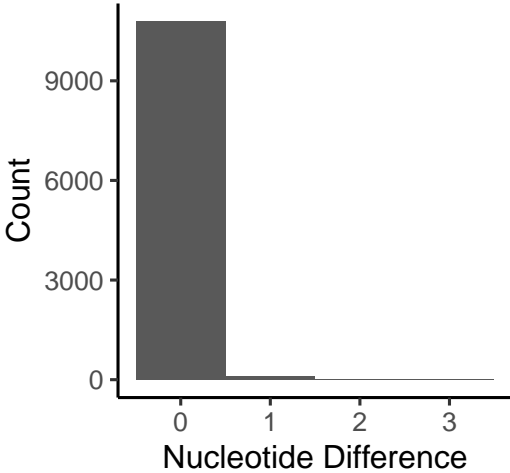
TRBV4-1*ap01

3614 sequences assigned
3554 (98.3%) exact matches, in which:
3512 unique CDR3
14 unique J



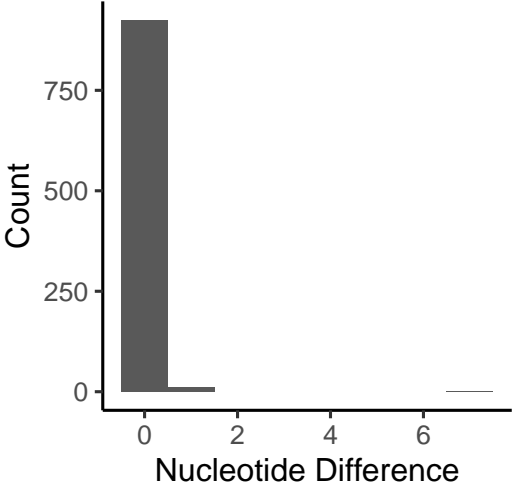
TRBV5-1*ap01

10890 sequences assigned
10789 (99.1%) exact matches, in which:
10655 unique CDR3
14 unique J



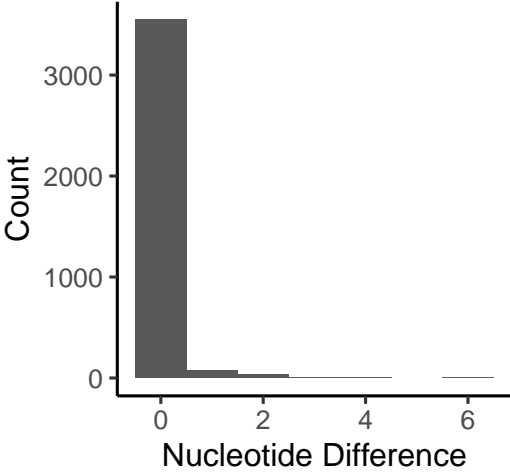
TRBV23-1*ap01

936 sequences assigned
925 (98.8%) exact matches, in which:
917 unique CDR3
14 unique J



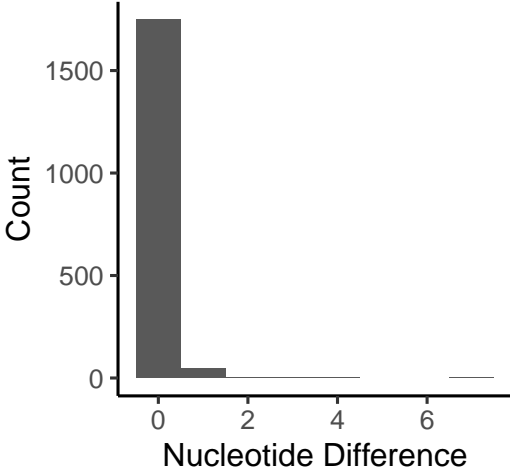
TRBV24-1*ap01

3667 sequences assigned
3548 (96.8%) exact matches, in which:
3500 unique CDR3
14 unique J



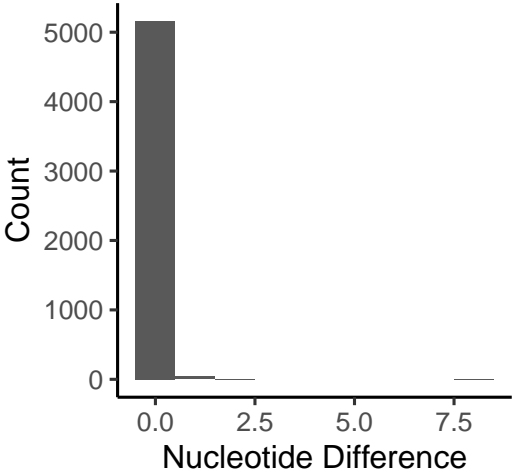
TRBV25-1*ap01

1802 sequences assigned
1748 (97%) exact matches, in which:
1721 unique CDR3
15 unique J



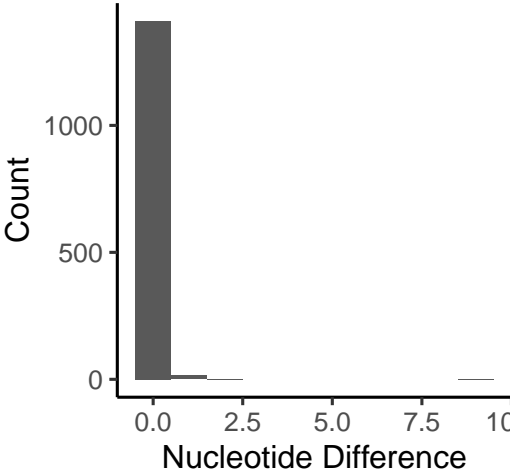
TRBV3-12*ap01

5202 sequences assigned
5161 (99.2%) exact matches, in which:
5132 unique CDR3
14 unique J



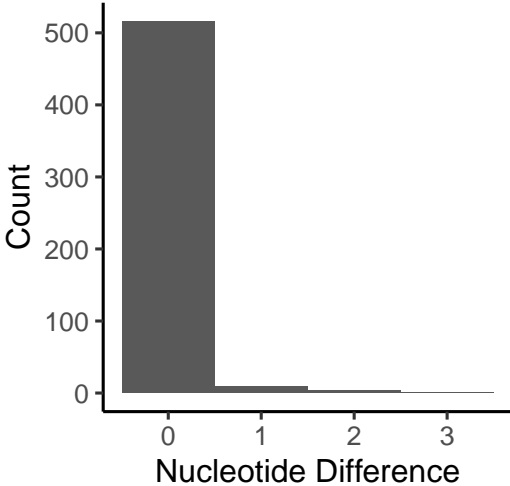
TRBV4-2*ap01

1429 sequences assigned
1411 (98.7%) exact matches, in which:
1396 unique CDR3
14 unique J



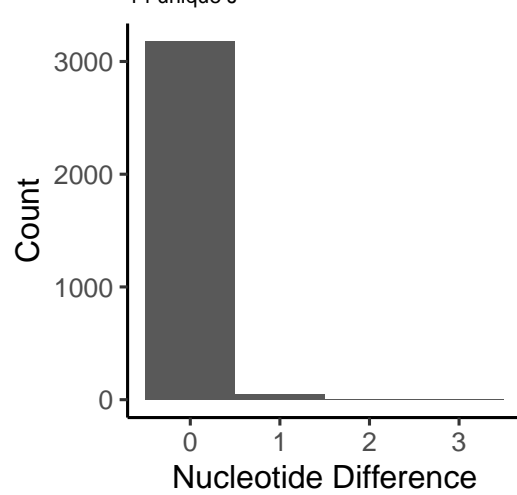
TRBV5-3*ap01

529 sequences assigned
516 (97.5%) exact matches, in which:
507 unique CDR3
14 unique J



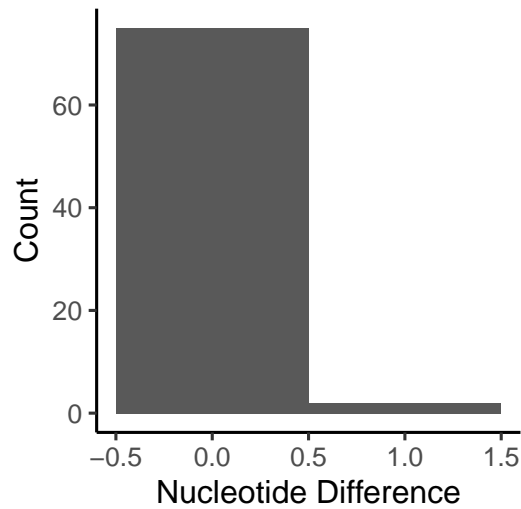
TRBV5-4*ap01

3229 sequences assigned
3178 (98.4%) exact matches, in which:
3139 unique CDR3
14 unique J



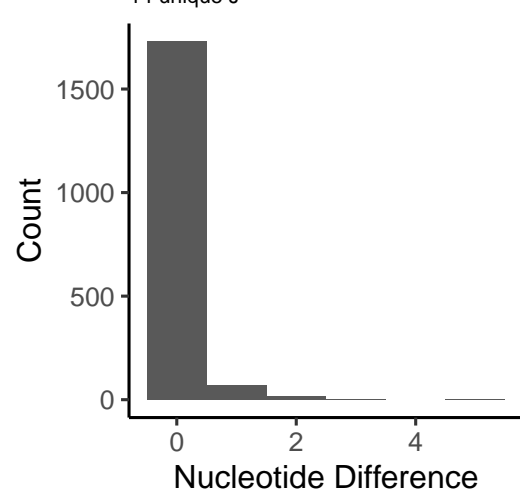
TRBV5-7*ap01

77 sequences assigned
75 (97.4%) exact matches, in which:
72 unique CDR3
13 unique J



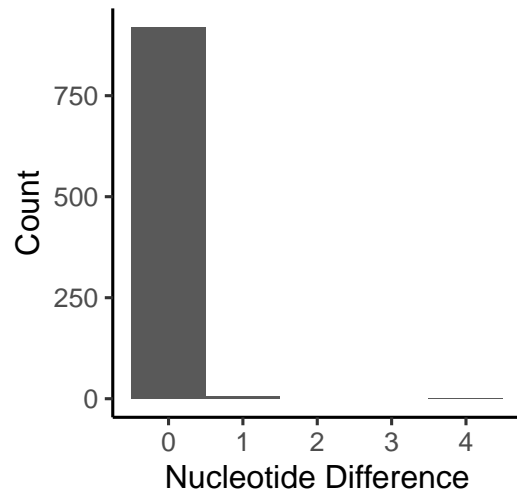
TRBV6-4*ap01

1822 sequences assigned
1730 (95%) exact matches, in which:
1710 unique CDR3
14 unique J



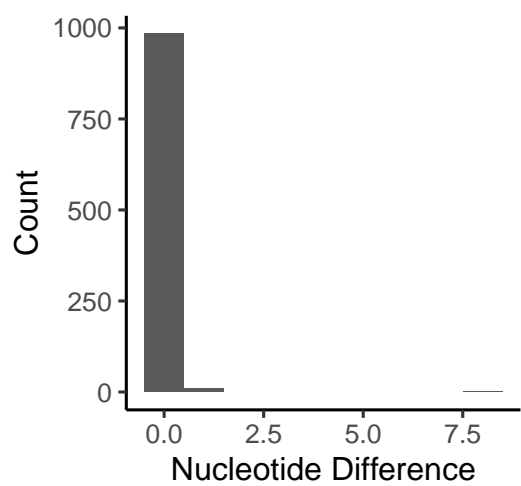
TRBV5-5*ap01

926 sequences assigned
920 (99.4%) exact matches, in which:
914 unique CDR3
14 unique J



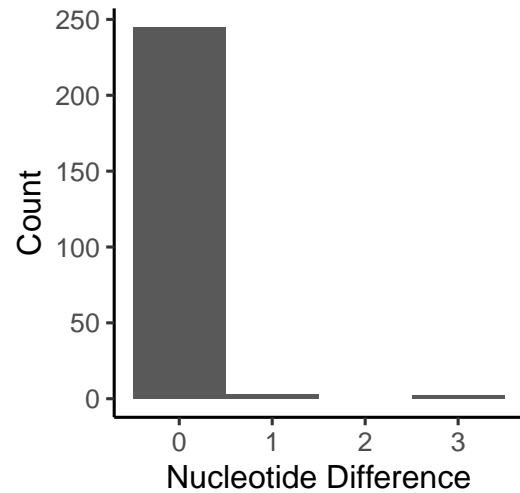
TRBV5-8*ap01

995 sequences assigned
984 (98.9%) exact matches, in which:
979 unique CDR3
14 unique J



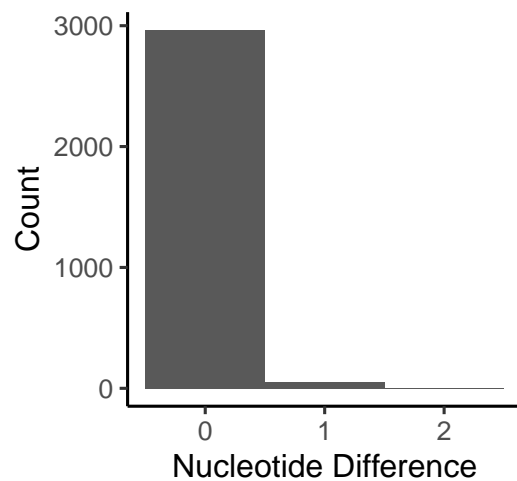
TRBV6-7*ap01

250 sequences assigned
245 (98%) exact matches, in which:
240 unique CDR3
14 unique J



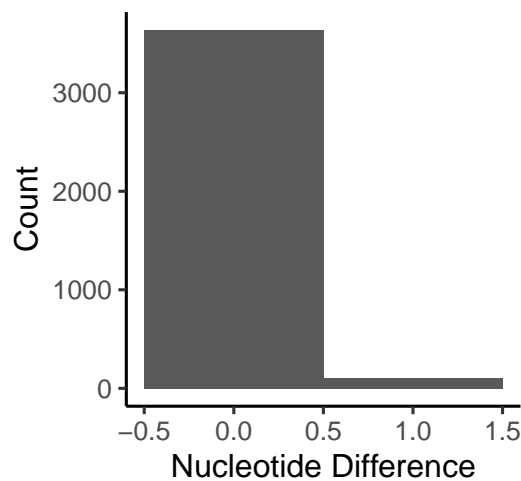
TRBV5-6*ap01

3023 sequences assigned
2964 (98%) exact matches, in which:
2882 unique CDR3
14 unique J



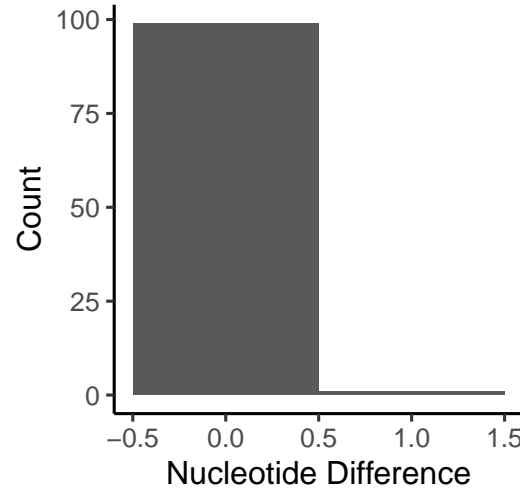
TRBV6-1*ap01

3738 sequences assigned
3636 (97.3%) exact matches, in which:
3580 unique CDR3
14 unique J



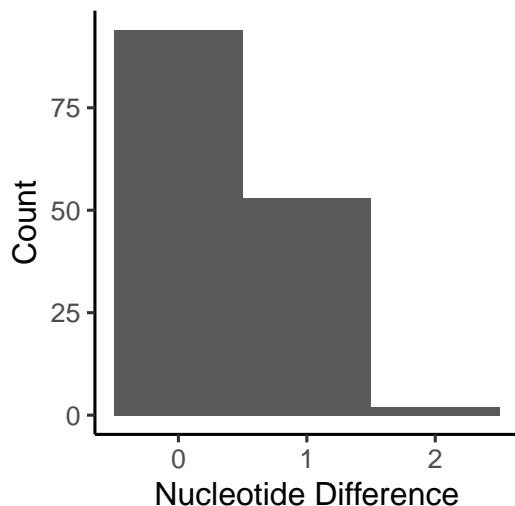
TRBV6-8*ap01

100 sequences assigned
99 (99%) exact matches, in which:
98 unique CDR3
14 unique J



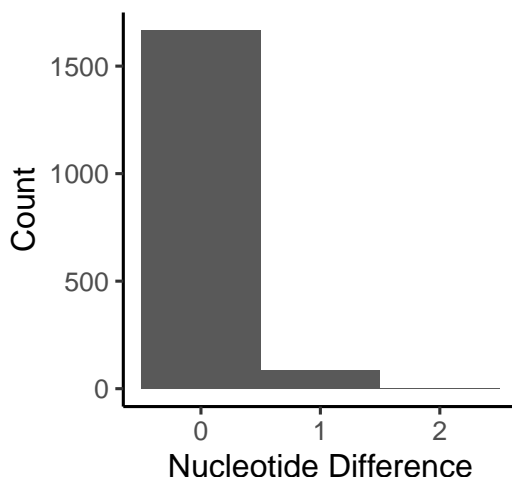
TRBV6-9*ap01

149 sequences assigned
94 (63.1%) exact matches, in which:
92 unique CDR3
14 unique J



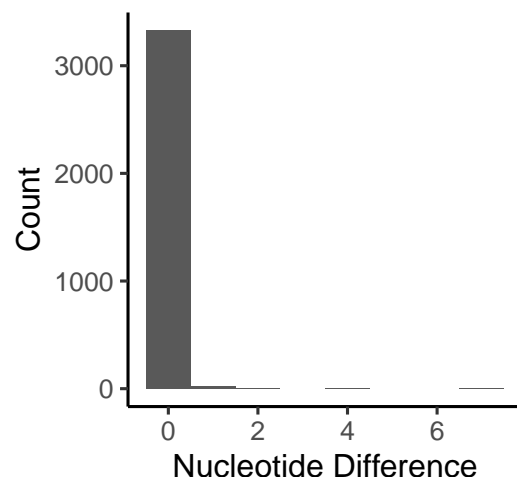
TRBV6-56*ap02

1756 sequences assigned
1666 (94.9%) exact matches, in which:
1636 unique CDR3
14 unique J



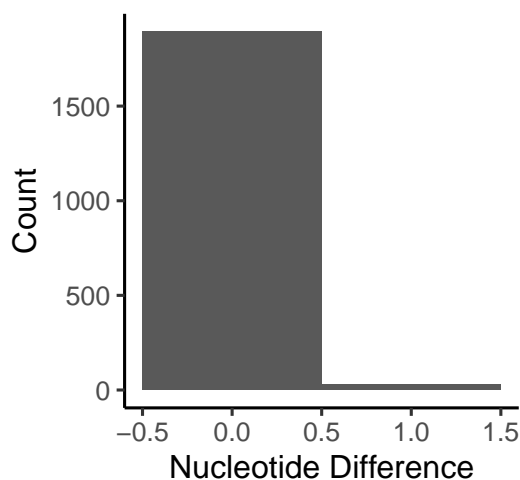
TRBV7-3*ap01

3359 sequences assigned
3328 (99.1%) exact matches, in which:
3308 unique CDR3
14 unique J



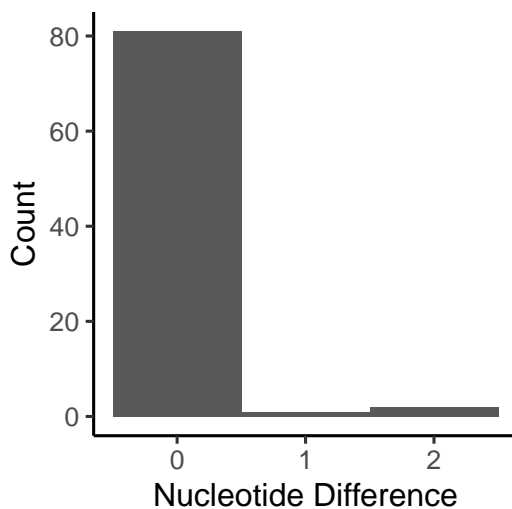
TRBV6-23*ap01

1921 sequences assigned
1893 (98.5%) exact matches, in which:
1867 unique CDR3
14 unique J



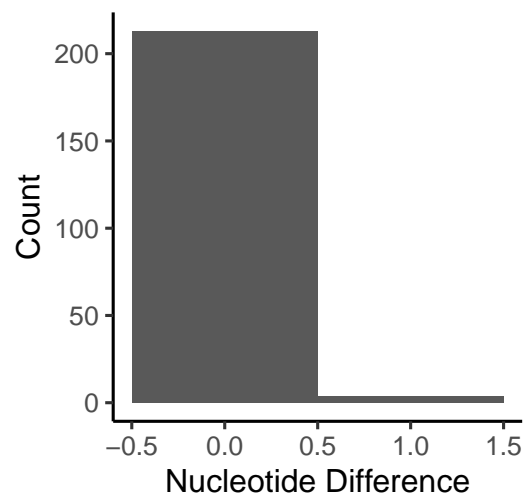
TRBV7-1*ap01_G291C_T

84 sequences assigned
81 (96.4%) exact matches, in which:
80 unique CDR3
13 unique J



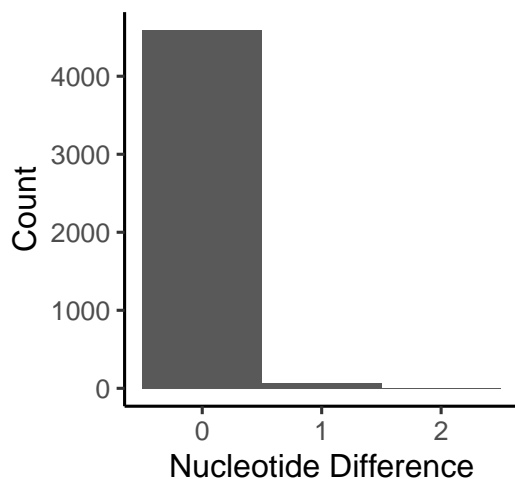
TRBV7-4*ap01

217 sequences assigned
213 (98.2%) exact matches, in which:
211 unique CDR3
14 unique J



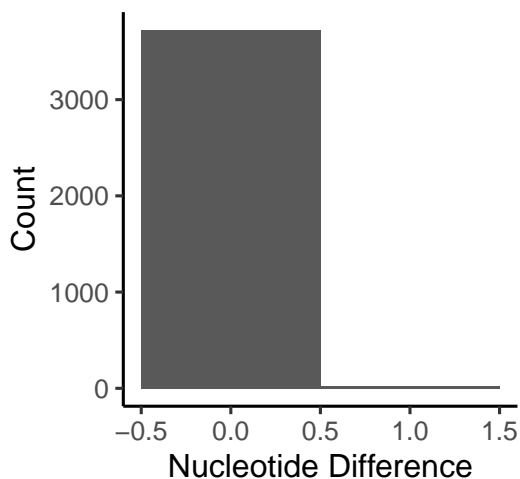
TRBV6-56*ap01

4670 sequences assigned
4592 (98.3%) exact matches, in which:
4509 unique CDR3
14 unique J



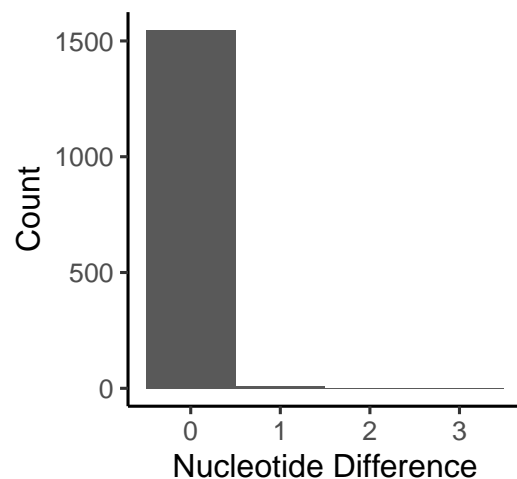
TRBV7-2*ap01

3748 sequences assigned
3723 (99.3%) exact matches, in which:
3702 unique CDR3
14 unique J



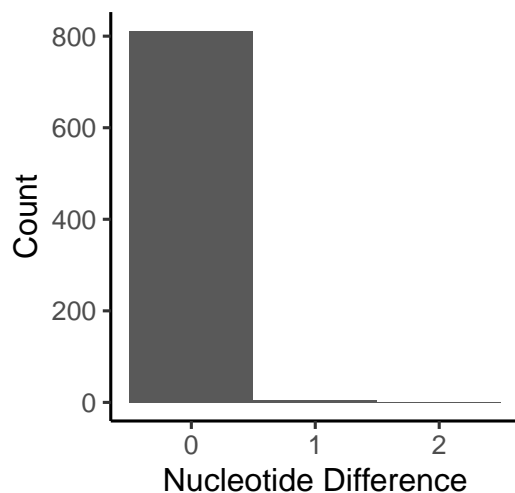
TRBV7-6*ap01

1559 sequences assigned
1547 (99.2%) exact matches, in which:
1534 unique CDR3
14 unique J



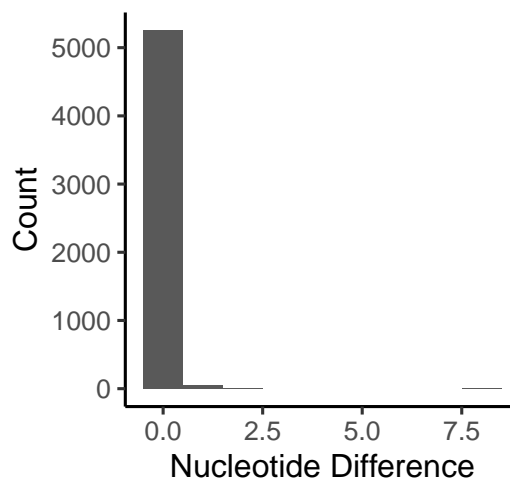
TRBV7-7*ap01_C315T

819 sequences assigned
812 (99.1%) exact matches, in which:
806 unique CDR3
14 unique J



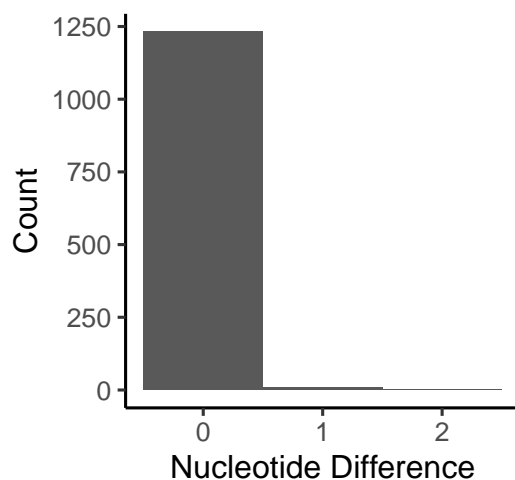
TRBV7-9*ap01

5314 sequences assigned
5253 (98.9%) exact matches, in which:
5193 unique CDR3
14 unique J



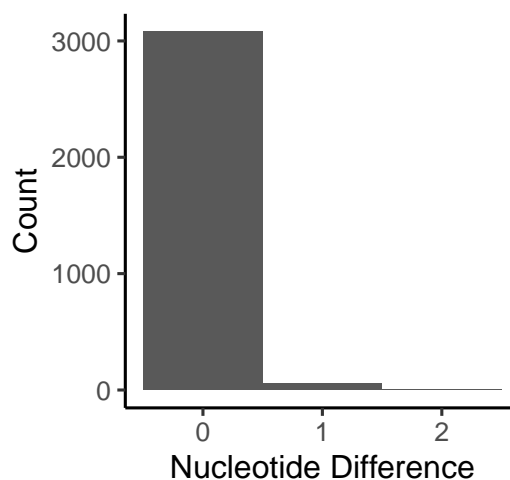
TRBV7-8*ap01

1243 sequences assigned
1232 (99.1%) exact matches, in which:
1220 unique CDR3
14 unique J



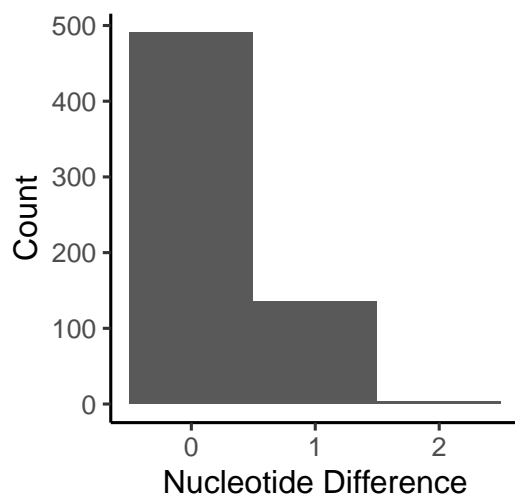
TRBV29-1*ap01

3137 sequences assigned
3079 (98.2%) exact matches, in which:
3018 unique CDR3
14 unique J



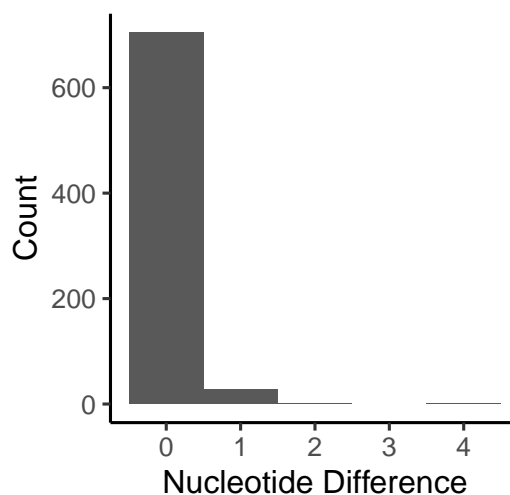
TRBV7-8*ap03

629 sequences assigned
491 (78.1%) exact matches, in which:
487 unique CDR3
14 unique J

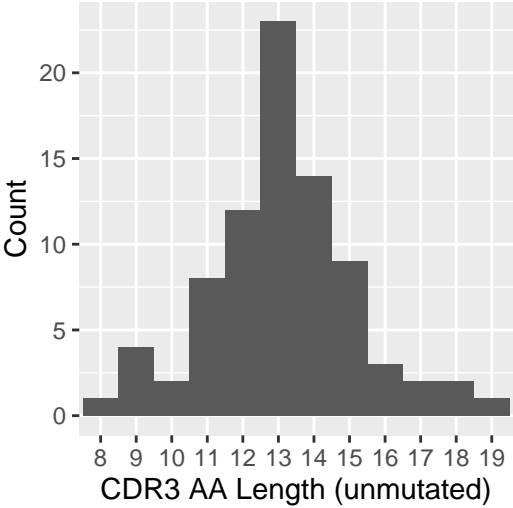


TRBV29-1*ap02

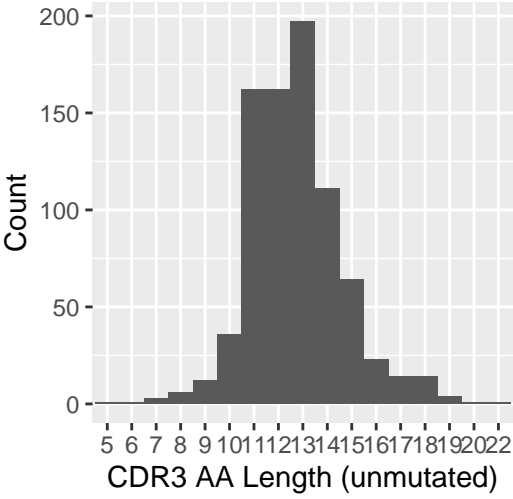
735 sequences assigned
705 (95.9%) exact matches, in which:
682 unique CDR3
14 unique J

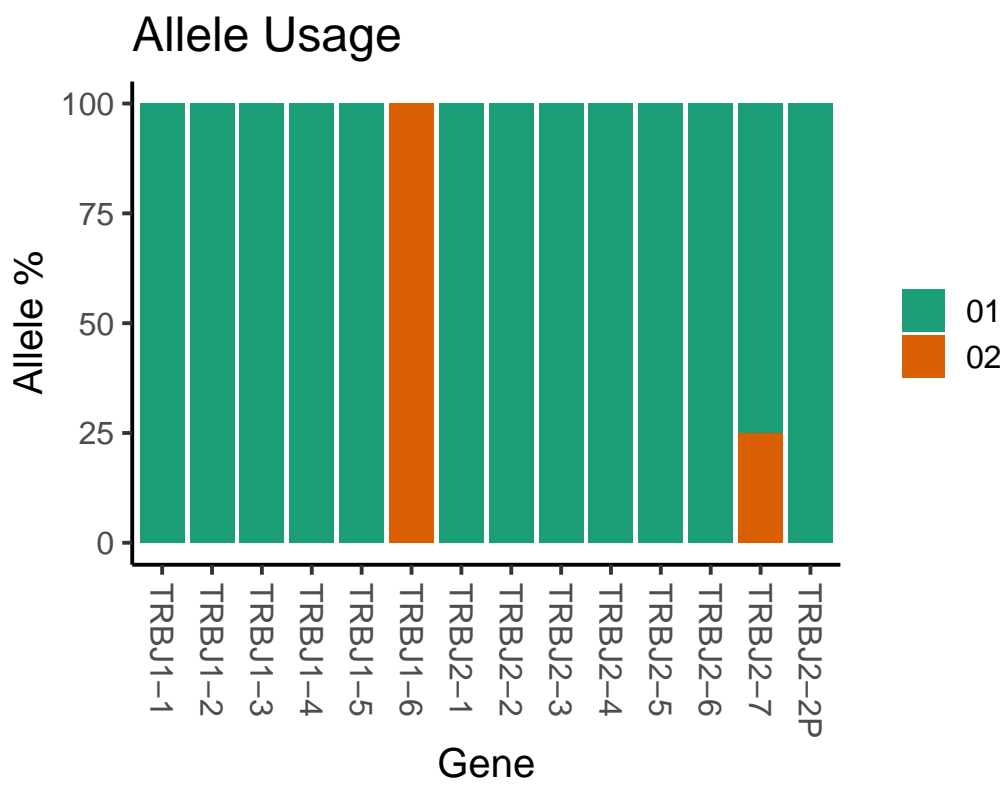


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]