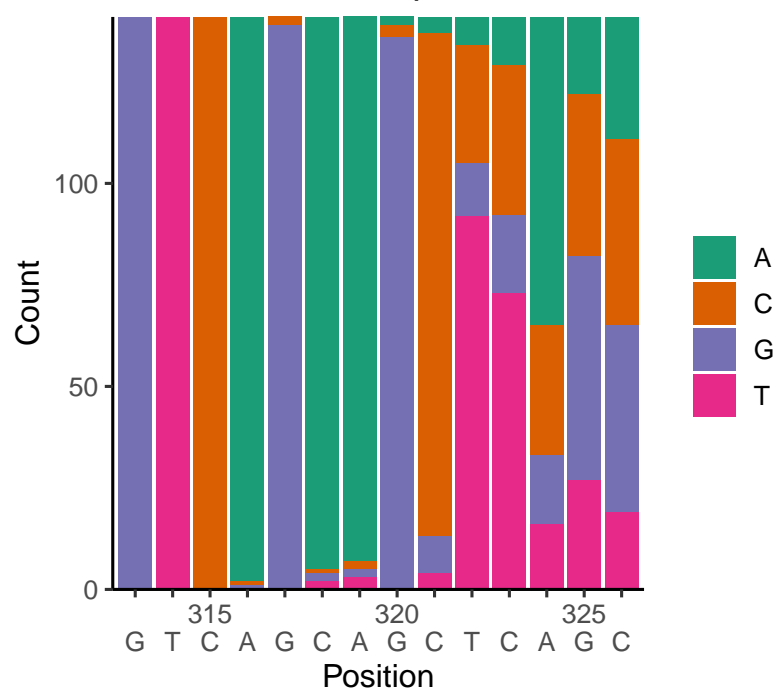
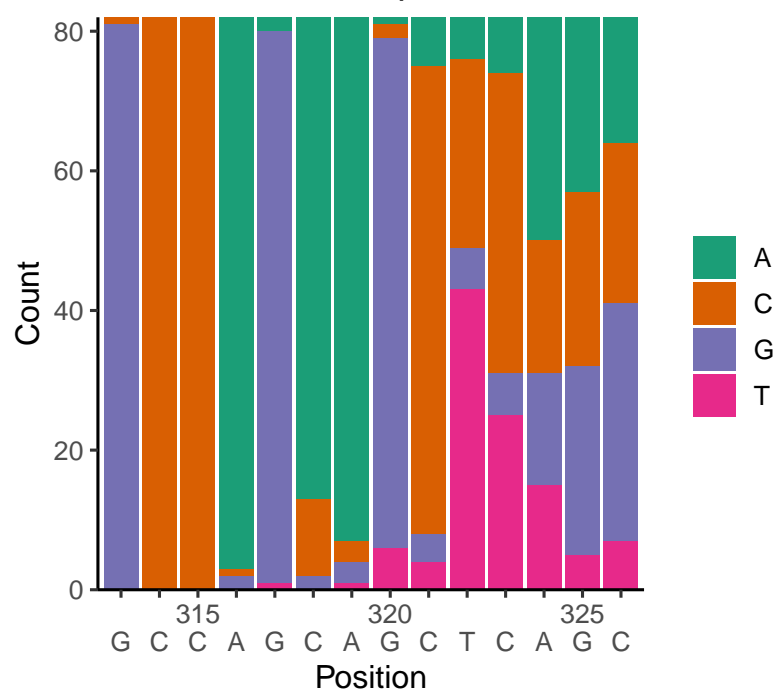


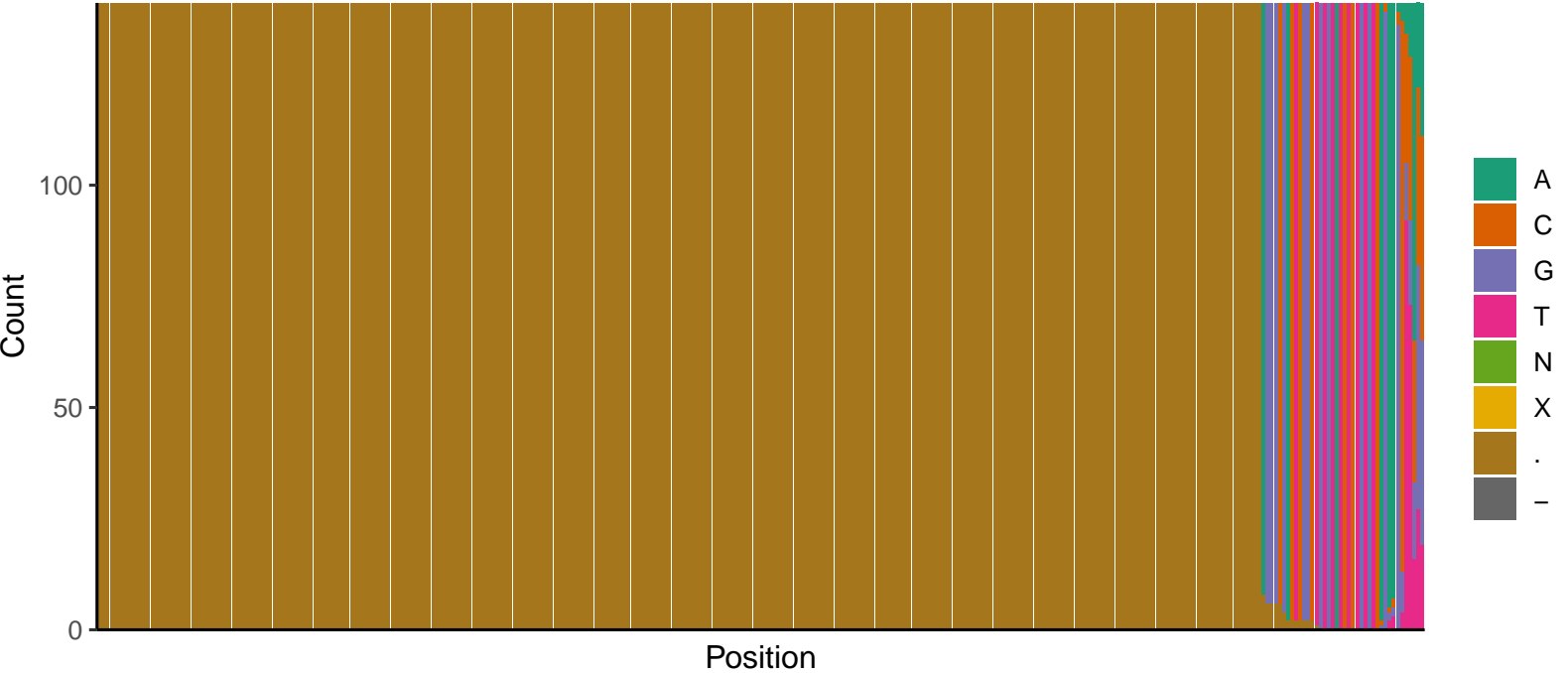
Gene TRBV7-1*ap01_G291C_T296C_C314T



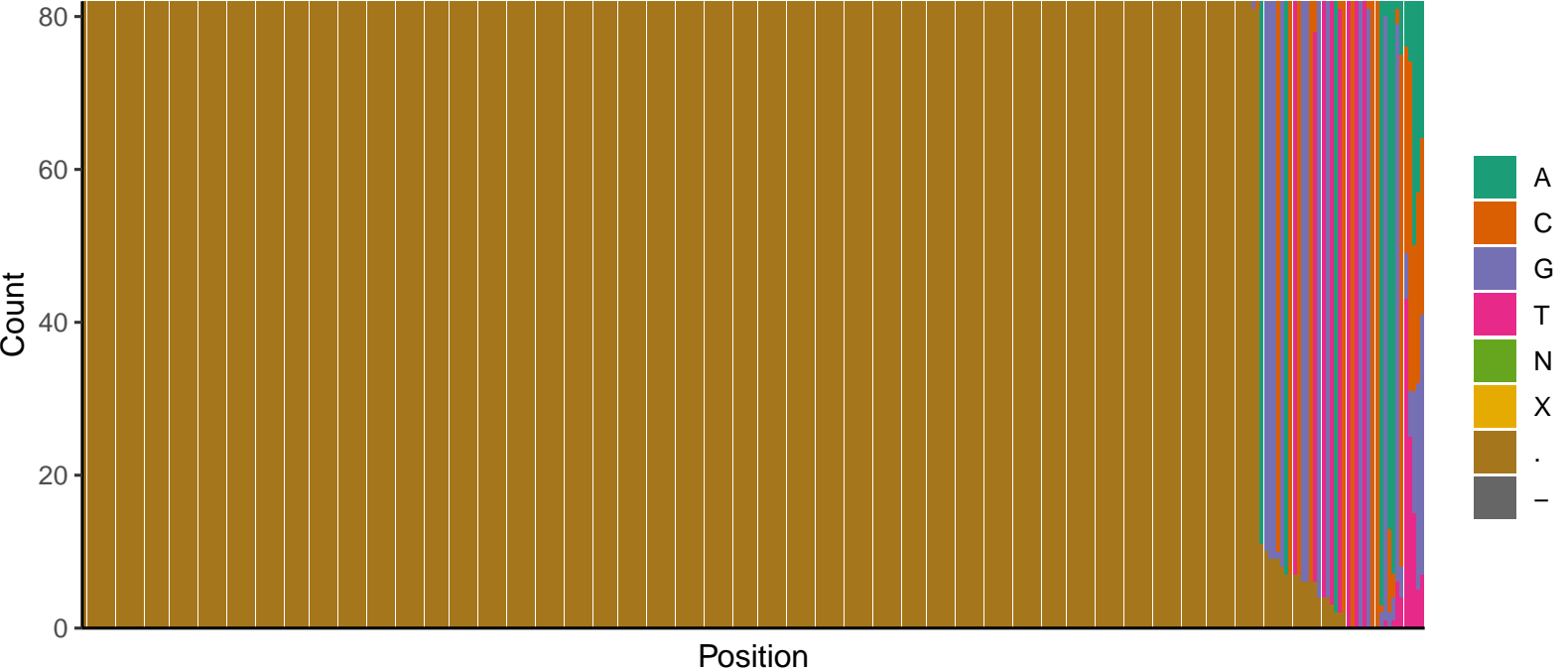
Gene TRBV7-1*ap01_G291C_T296C



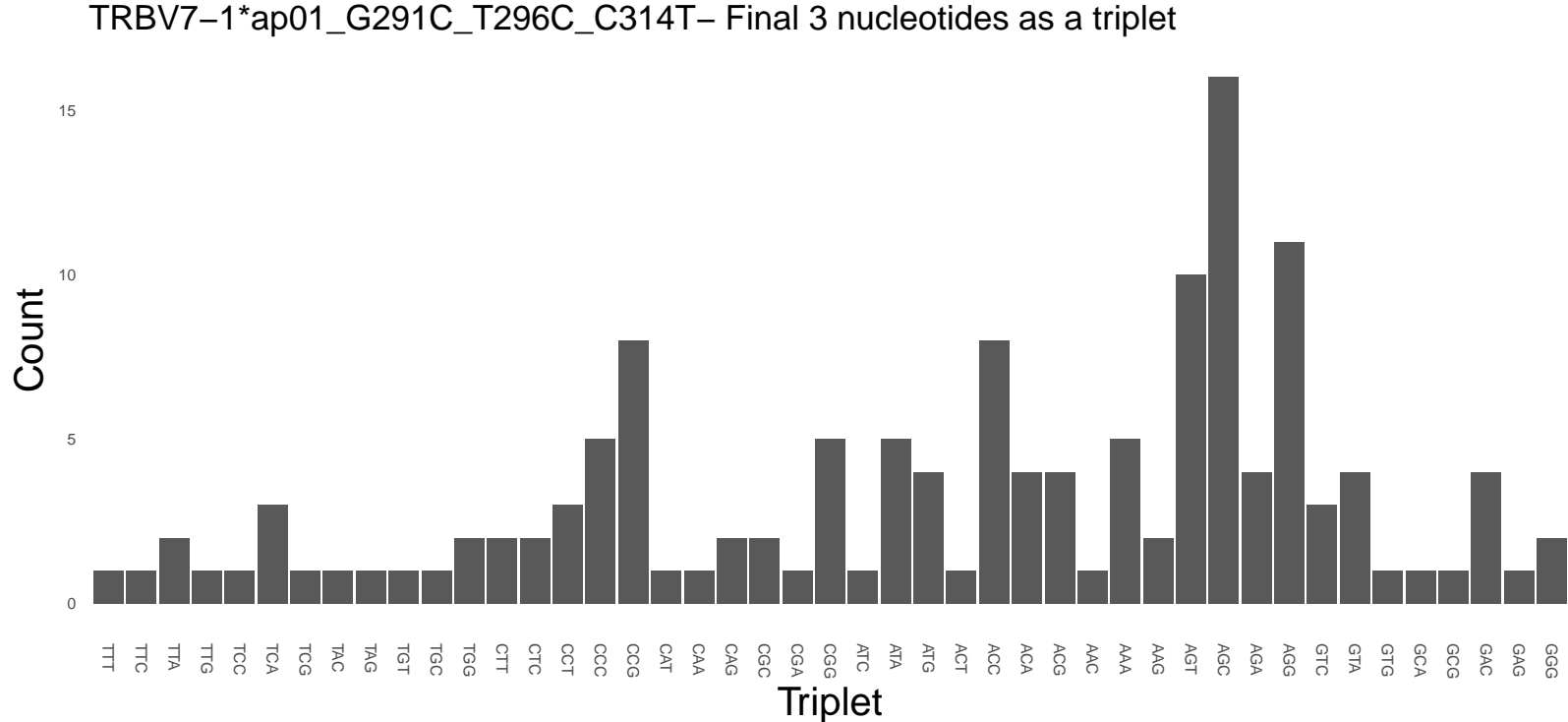
Gene TRBV7-1*ap01_G291C_T296C_C314T



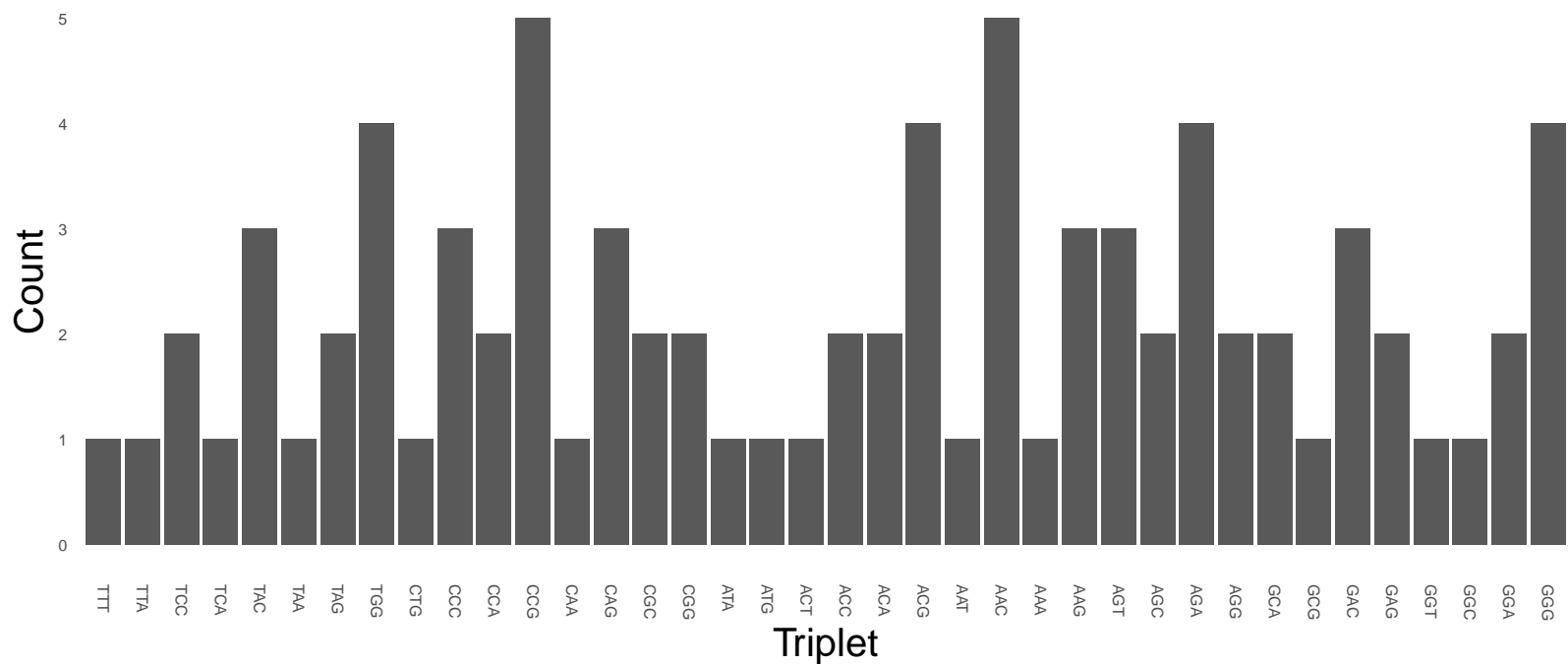
Gene TRBV7-1*ap01_G291C_T296C



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

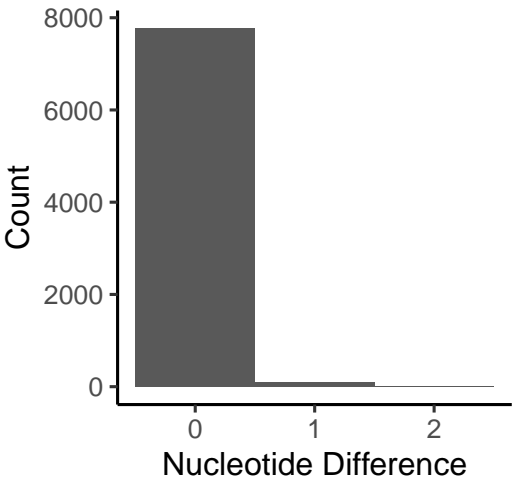


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



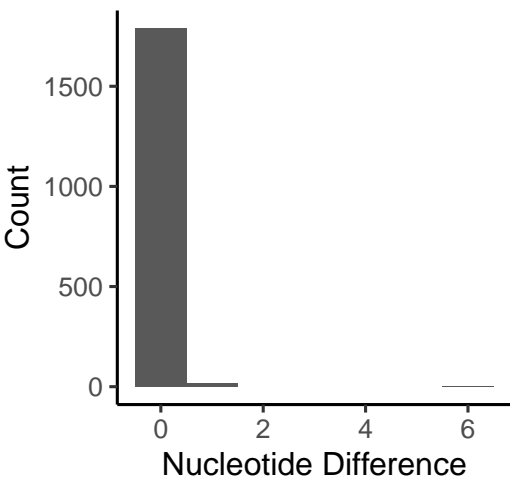
TRBV20-1*ap01

7870 sequences assigned
7768 (98.7%) exact matches, in which:
7625 unique CDR3
13 unique J



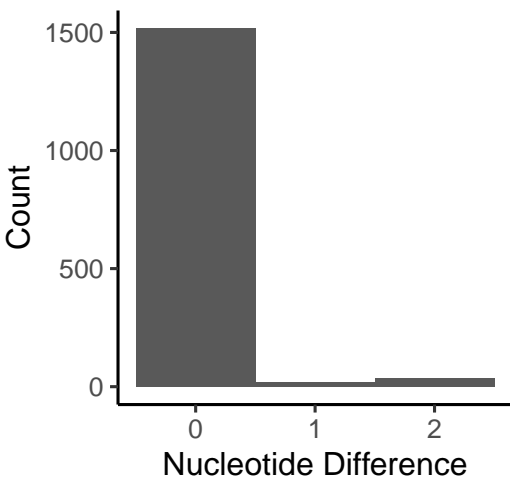
TRBV10-2*ap01

1808 sequences assigned
1789 (98.9%) exact matches, in which:
1753 unique CDR3
13 unique J



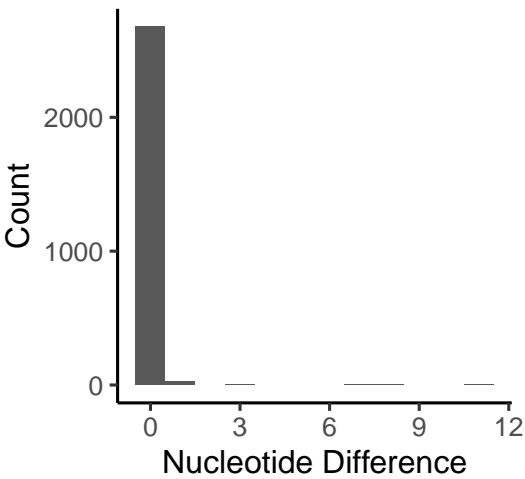
TRBV13*ap01

1570 sequences assigned
1517 (96.6%) exact matches, in which:
1488 unique CDR3
13 unique J



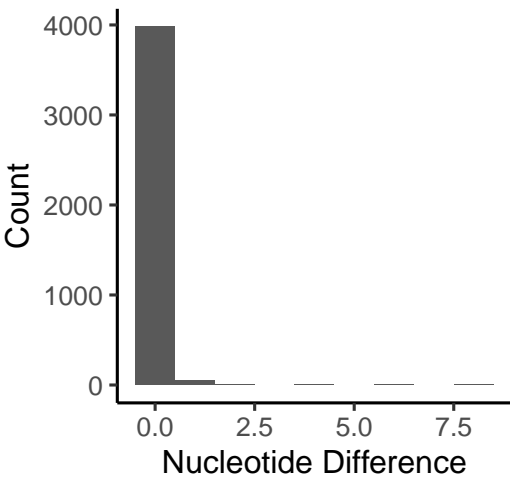
TRBV10-1*ap01

2708 sequences assigned
2677 (98.9%) exact matches, in which:
2634 unique CDR3
13 unique J



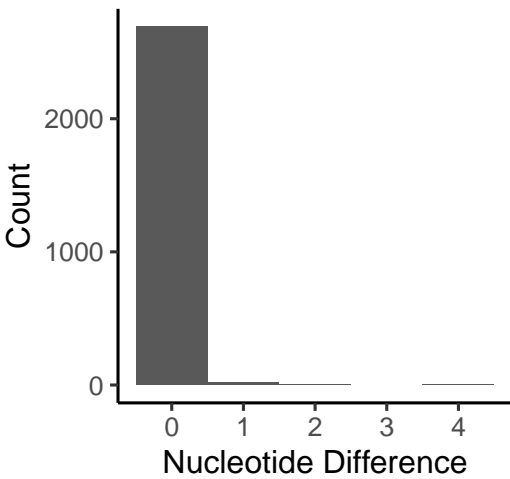
TRBV10-3*ap01

4034 sequences assigned
3980 (98.7%) exact matches, in which:
3896 unique CDR3
13 unique J



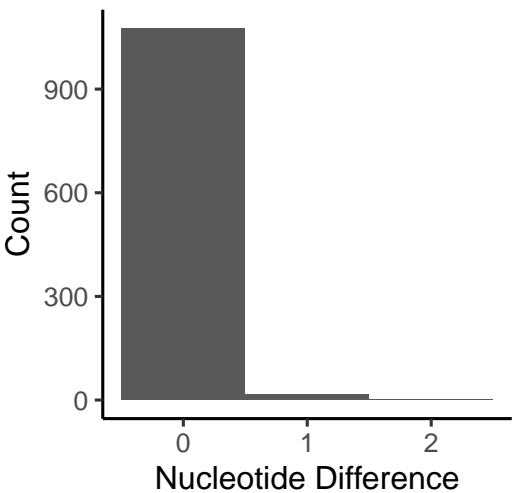
TRBV14*ap01

2712 sequences assigned
2691 (99.2%) exact matches, in which:
2649 unique CDR3
13 unique J



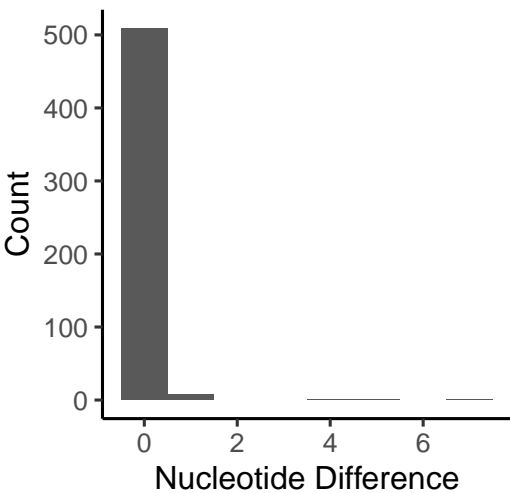
TRBV20-1*ap02

1092 sequences assigned
1076 (98.5%) exact matches, in which:
1055 unique CDR3
13 unique J



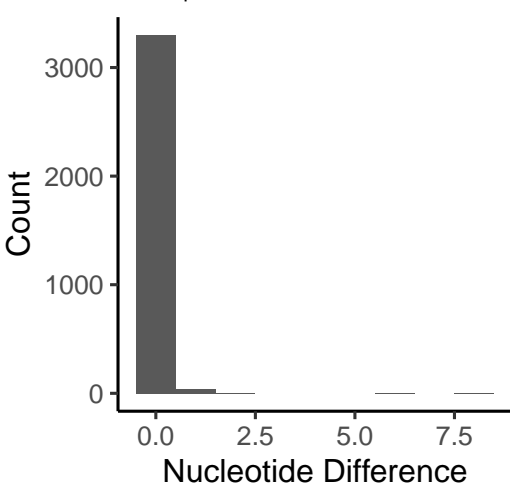
TRBV1*ap01

519 sequences assigned
509 (98.1%) exact matches, in which:
501 unique CDR3
13 unique J



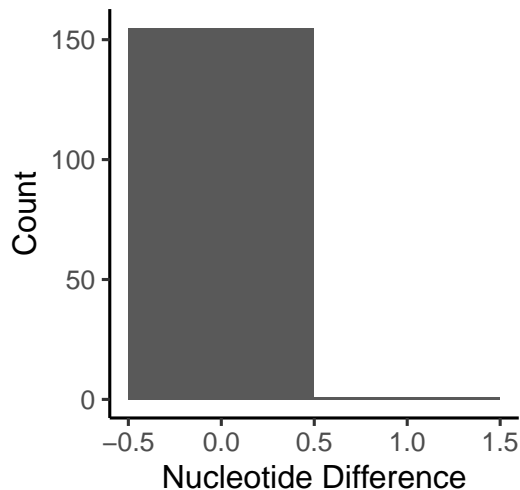
TRBV15*ap02

3344 sequences assigned
3299 (98.7%) exact matches, in which:
3223 unique CDR3
13 unique J



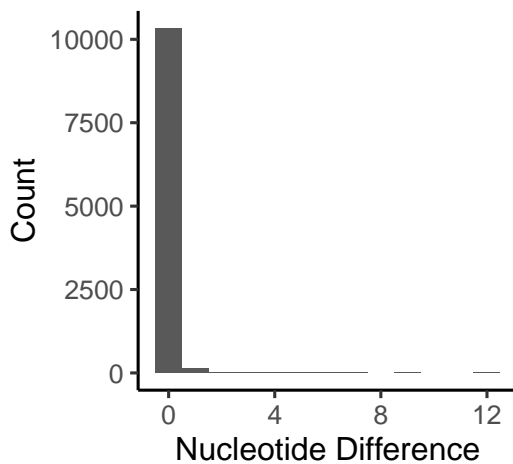
TRBV16*ap01

156 sequences assigned
155 (99.4%) exact matches, in which:
151 unique CDR3
12 unique J



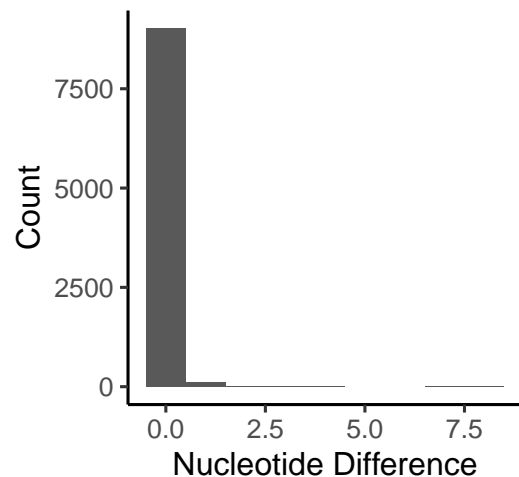
TRBV19*ap01

10487 sequences assigned
10335 (98.6%) exact matches, in which:
10206 unique CDR3
13 unique J



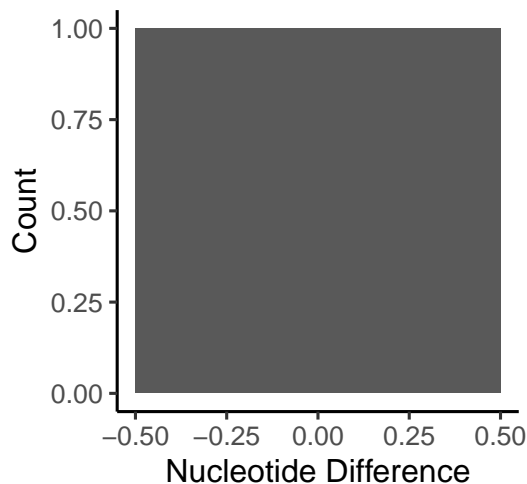
TRBV27*ap01

9152 sequences assigned
9019 (98.5%) exact matches, in which:
8827 unique CDR3
13 unique J



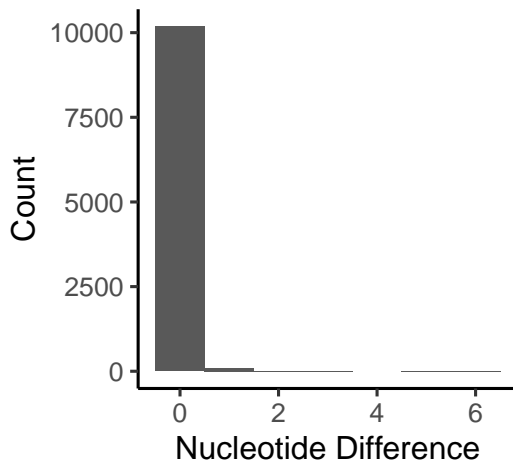
TRBV17*ap01

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



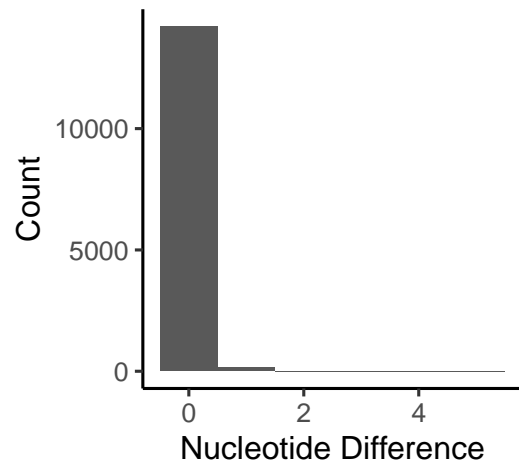
TRBV2*ap01

10290 sequences assigned
10183 (99%) exact matches, in which:
9995 unique CDR3
13 unique J



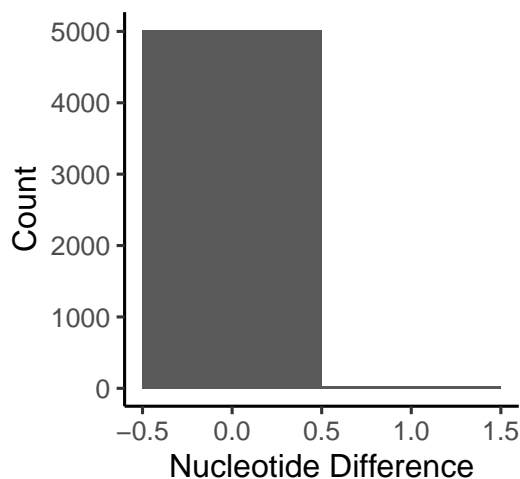
TRBV28*ap01

14374 sequences assigned
14210 (98.9%) exact matches, in which:
13939 unique CDR3
13 unique J



TRBV18*ap01

5051 sequences assigned
5019 (99.4%) exact matches, in which:
4941 unique CDR3
13 unique J



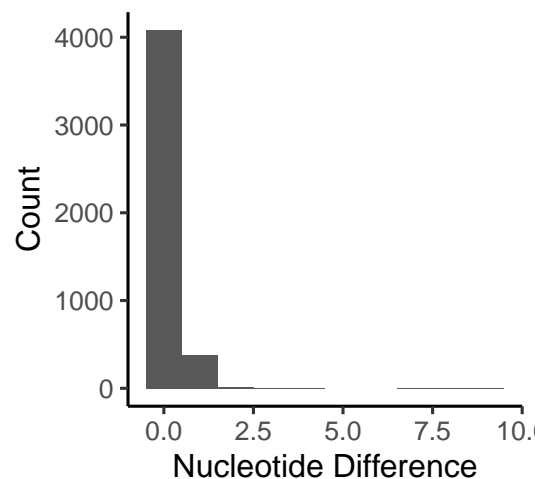
TRBV26*ap01

1 sequences assigned
No exact matches.



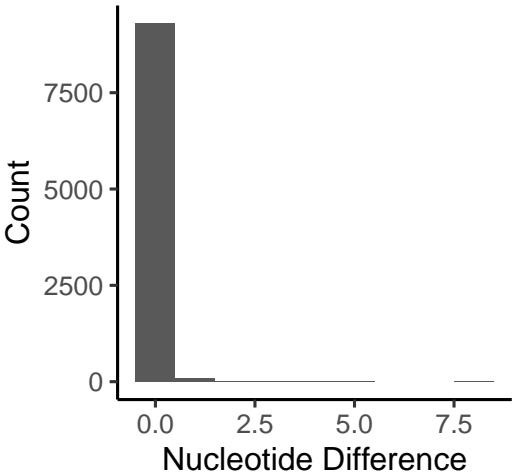
TRBV30*ap01

4483 sequences assigned
4082 (91.1%) exact matches, in which:
4030 unique CDR3
13 unique J



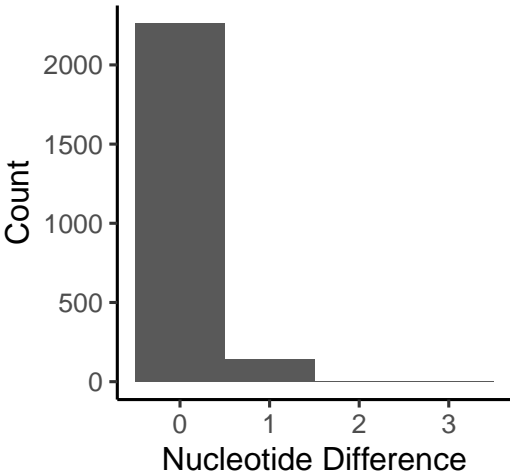
TRBV9*ap01

9399 sequences assigned
9298 (98.9%) exact matches, in which:
9142 unique CDR3
13 unique J



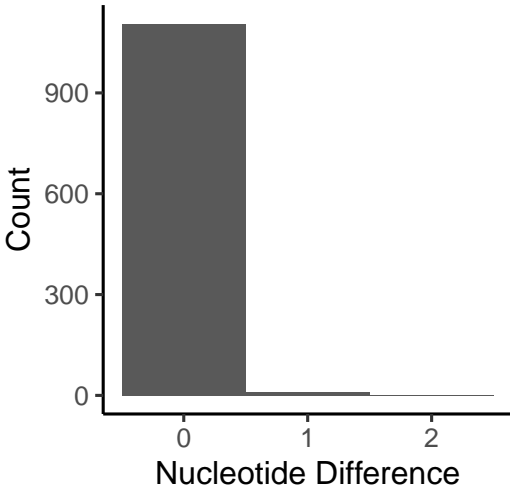
TRBV11-3*ap01

2407 sequences assigned
2262 (94%) exact matches, in which:
2229 unique CDR3
13 unique J



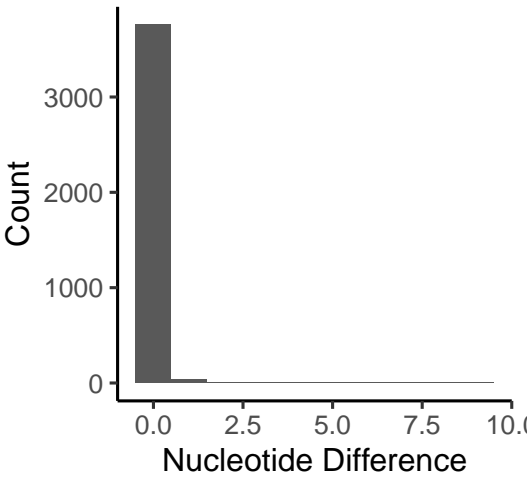
TRBV12-5*ap01

1117 sequences assigned
1106 (99%) exact matches, in which:
1097 unique CDR3
13 unique J



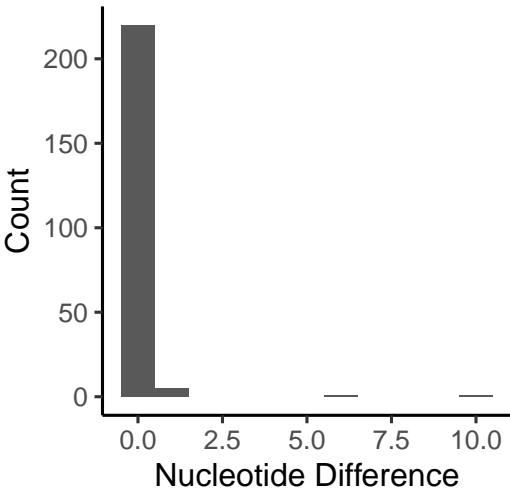
TRBV21-1*ap01

3815 sequences assigned
3758 (98.5%) exact matches, in which:
3698 unique CDR3
13 unique J



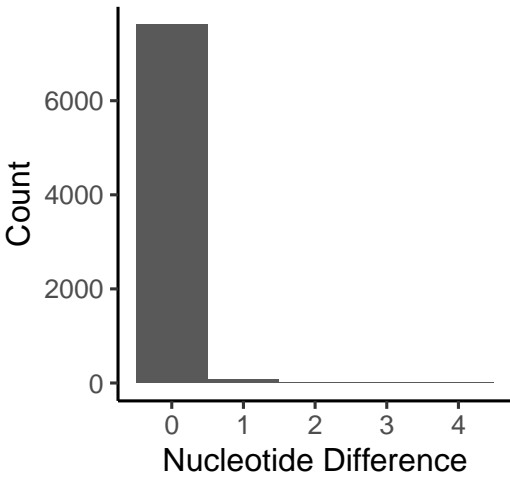
TRBV12-1*ap01

227 sequences assigned
220 (96.9%) exact matches, in which:
219 unique CDR3
13 unique J



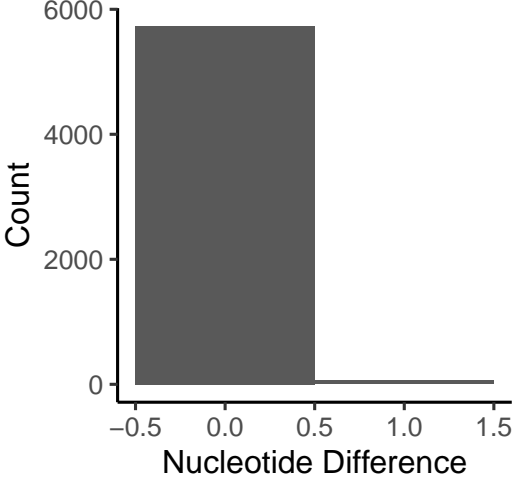
TRBV12-34*ap01

7699 sequences assigned
7615 (98.9%) exact matches, in which:
7472 unique CDR3
13 unique J



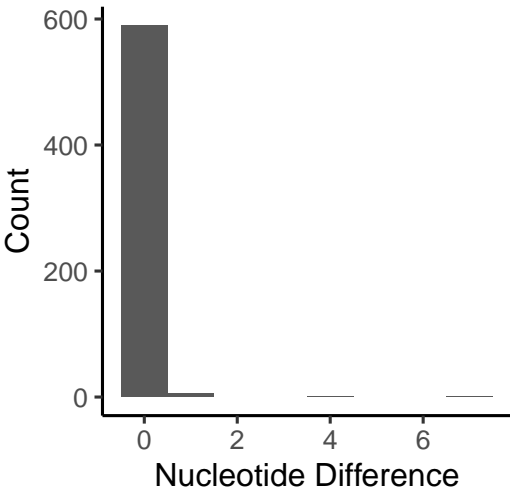
TRBV11-2*ap01

5794 sequences assigned
5732 (98.9%) exact matches, in which:
5602 unique CDR3
13 unique J



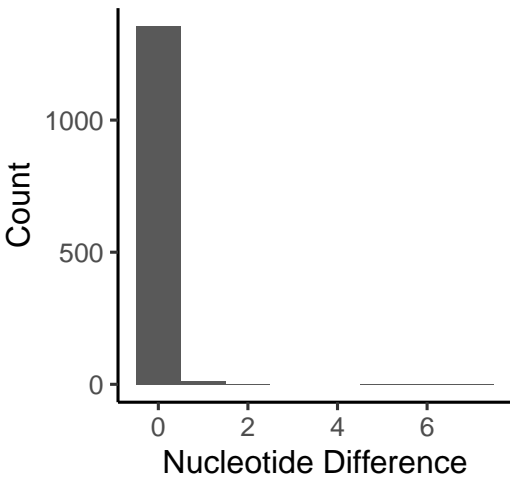
TRBV12-2*ap01

597 sequences assigned
590 (98.8%) exact matches, in which:
579 unique CDR3
13 unique J



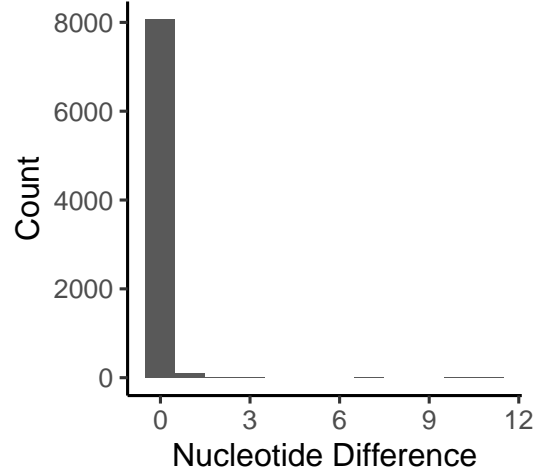
TRBV23-1*ap01

1374 sequences assigned
1356 (98.7%) exact matches, in which:
1331 unique CDR3
13 unique J



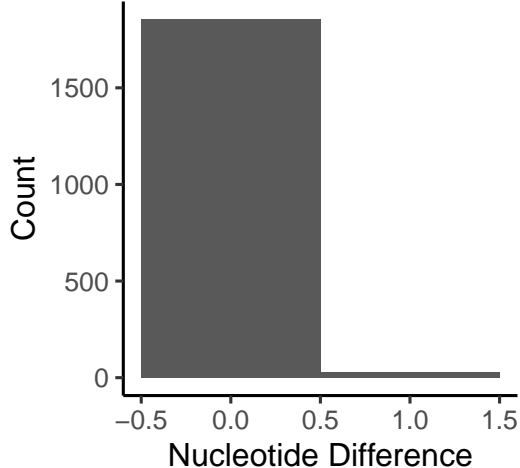
TRBV3-12*ap01

8187 sequences assigned
8067 (98.5%) exact matches, in which:
7938 unique CDR3
13 unique J



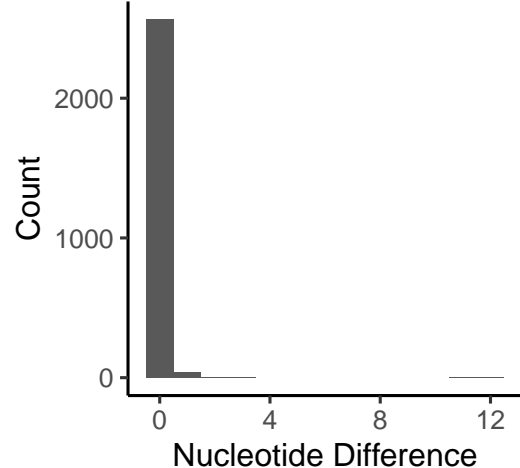
TRBV4-2*ap01

1882 sequences assigned
1854 (98.5%) exact matches, in which:
1823 unique CDR3
13 unique J



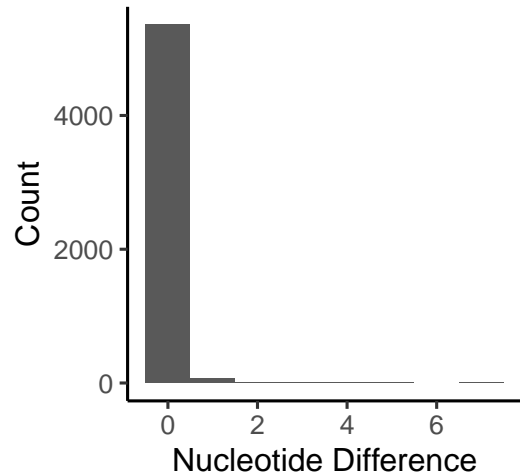
TRBV25-1*ap01

2608 sequences assigned
2564 (98.3%) exact matches, in which:
2516 unique CDR3
13 unique J



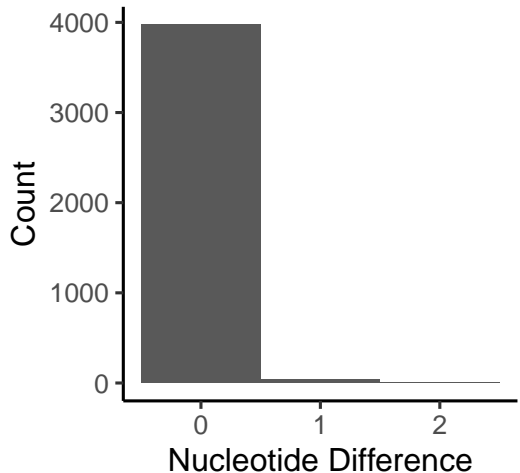
TRBV24-1*ap01

5441 sequences assigned
5357 (98.5%) exact matches, in which:
5289 unique CDR3
13 unique J



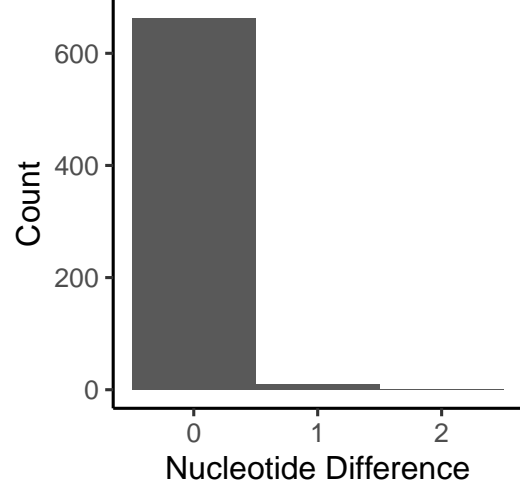
TRBV4-3*ap01

4011 sequences assigned
3974 (99.1%) exact matches, in which:
3901 unique CDR3
13 unique J



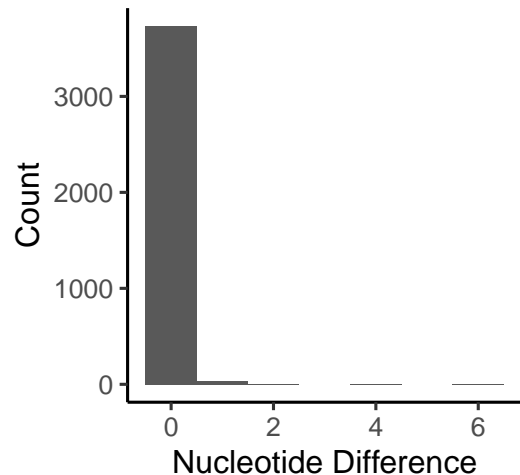
TRBV5-3*ap01

674 sequences assigned
663 (98.4%) exact matches, in which:
653 unique CDR3
13 unique J



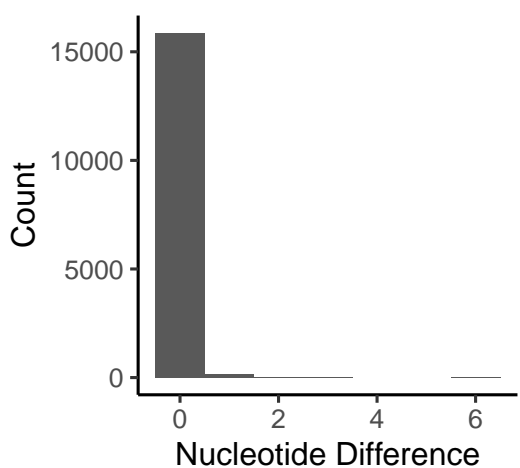
TRBV4-1*ap01

3776 sequences assigned
3733 (98.9%) exact matches, in which:
3656 unique CDR3
13 unique J



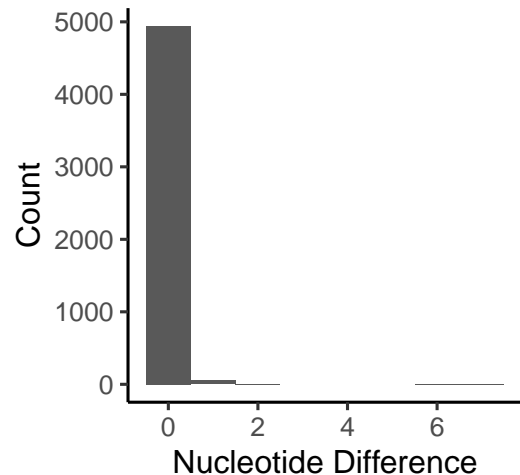
TRBV5-1*ap01

16064 sequences assigned
15875 (98.8%) exact matches, in which:
15540 unique CDR3
13 unique J



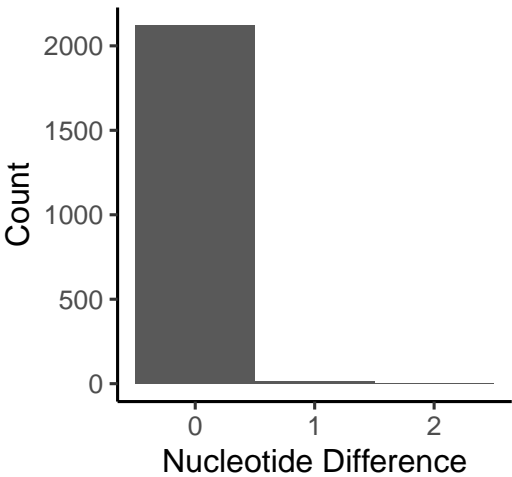
TRBV5-4*ap01

5000 sequences assigned
4942 (98.8%) exact matches, in which:
4850 unique CDR3
13 unique J



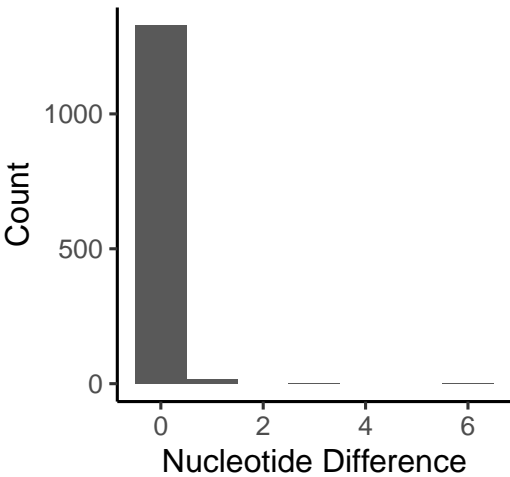
TRBV5-5*ap01

2135 sequences assigned
2121 (99.3%) exact matches, in which:
2090 unique CDR3
13 unique J



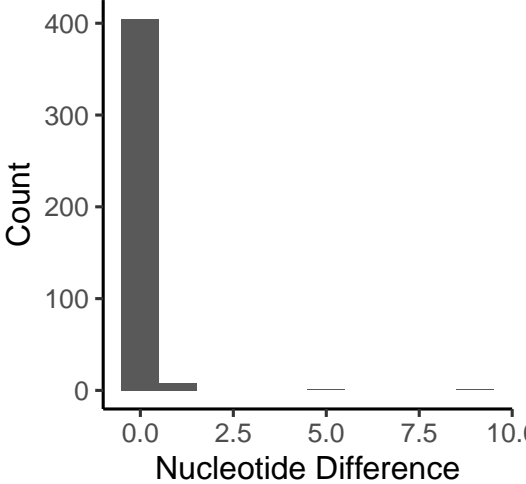
TRBV5-8*ap01

1348 sequences assigned
1328 (98.5%) exact matches, in which:
1308 unique CDR3
13 unique J



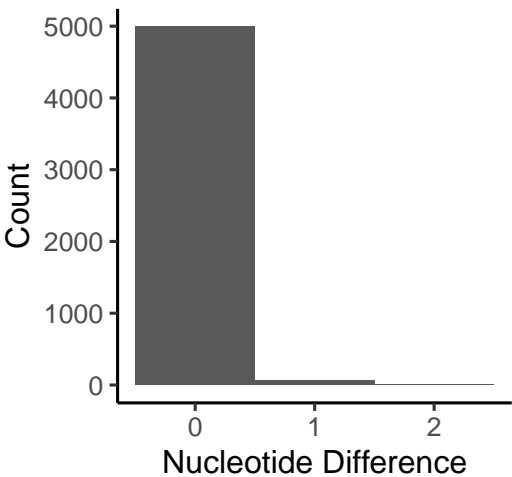
TRBV6-7*ap01

415 sequences assigned
405 (97.6%) exact matches, in which:
394 unique CDR3
13 unique J



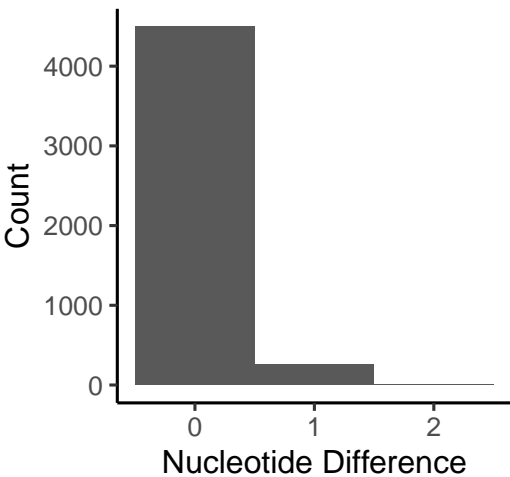
TRBV5-6*ap01

5054 sequences assigned
4992 (98.8%) exact matches, in which:
4881 unique CDR3
13 unique J



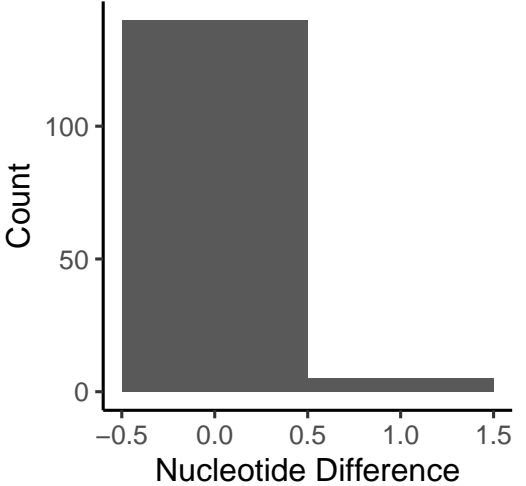
TRBV6-1*ap01

4756 sequences assigned
4495 (94.5%) exact matches, in which:
4407 unique CDR3
13 unique J



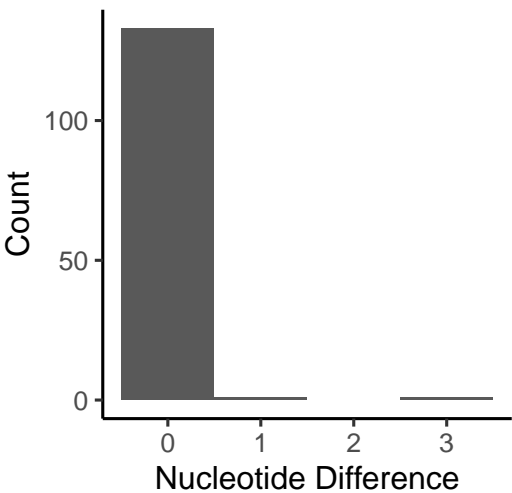
TRBV6-8*ap01

145 sequences assigned
140 (96.6%) exact matches, in which:
139 unique CDR3
13 unique J



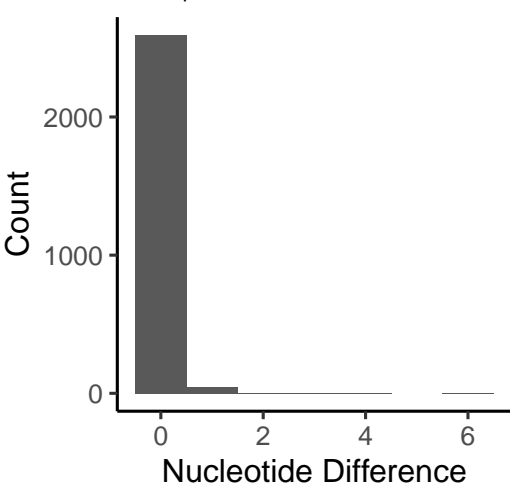
TRBV5-7*ap01

135 sequences assigned
133 (98.5%) exact matches, in which:
131 unique CDR3
13 unique J



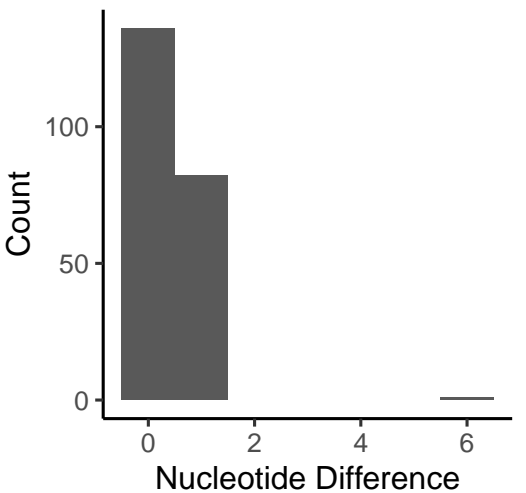
TRBV6-4*ap01

2646 sequences assigned
2593 (98%) exact matches, in which:
2543 unique CDR3
13 unique J



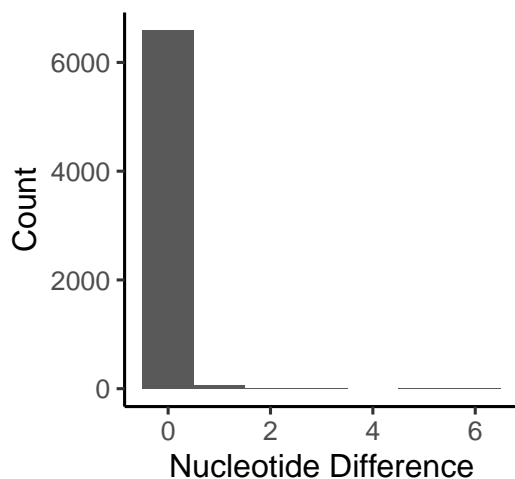
TRBV6-9*ap01

219 sequences assigned
136 (62.1%) exact matches, in which:
134 unique CDR3
13 unique J



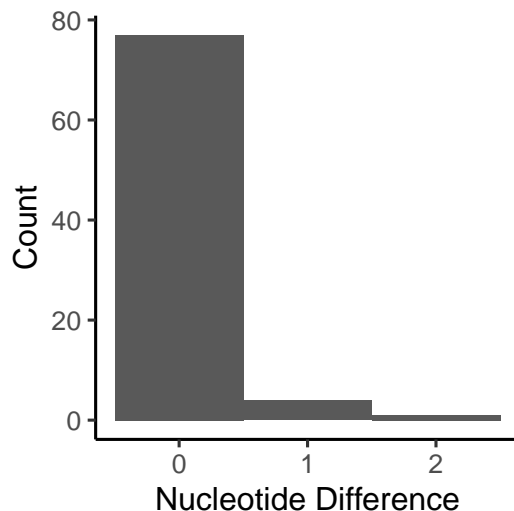
TRBV6-23*ap01

6666 sequences assigned
6589 (98.8%) exact matches, in which:
6435 unique CDR3
13 unique J



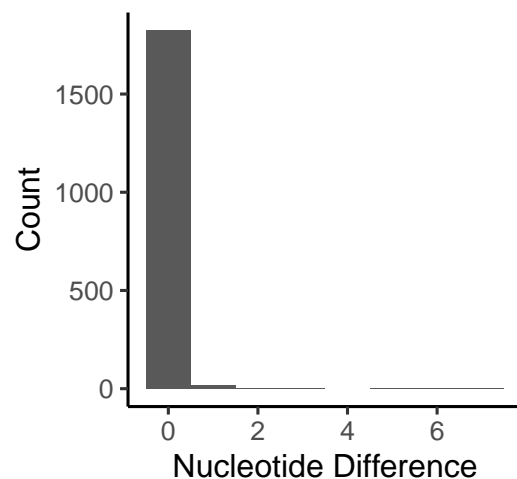
TRBV7-1*ap01_G291C_T

82 sequences assigned
77 (93.9%) exact matches, in which:
76 unique CDR3
13 unique J



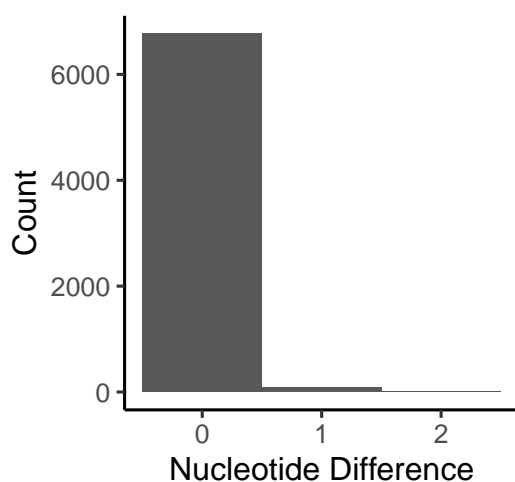
TRBV7-3*ap02

1850 sequences assigned
1824 (98.6%) exact matches, in which:
1793 unique CDR3
13 unique J



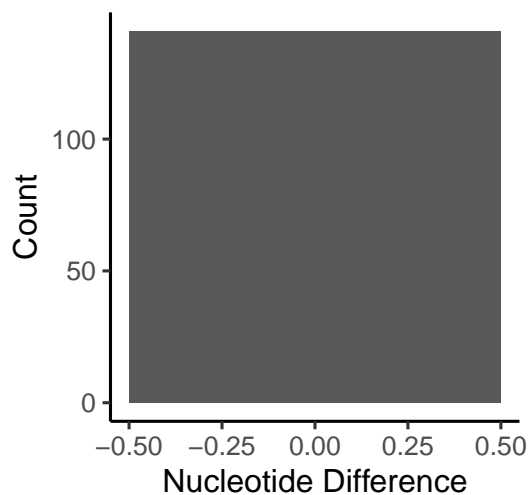
TRBV6-56*ap01

6851 sequences assigned
6768 (98.8%) exact matches, in which:
6645 unique CDR3
13 unique J



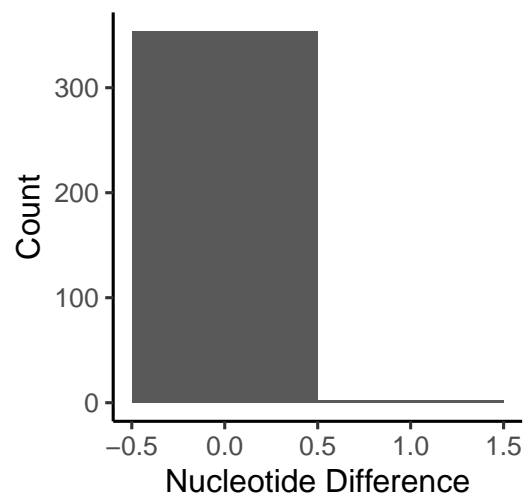
TRBV7-1*ap01_G291C_

141 sequences assigned
141 (100%) exact matches, in which:
138 unique CDR3
12 unique J



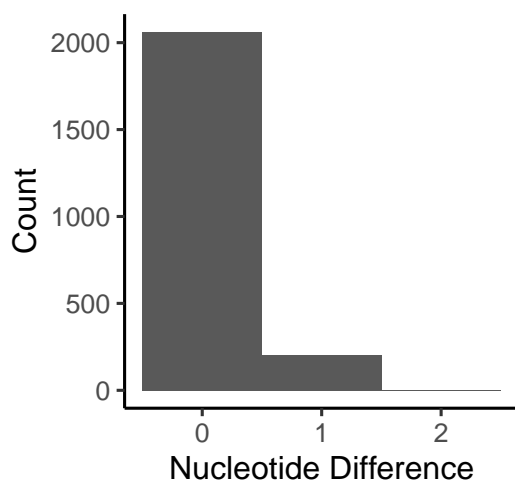
TRBV7-4*ap01

356 sequences assigned
354 (99.4%) exact matches, in which:
349 unique CDR3
13 unique J



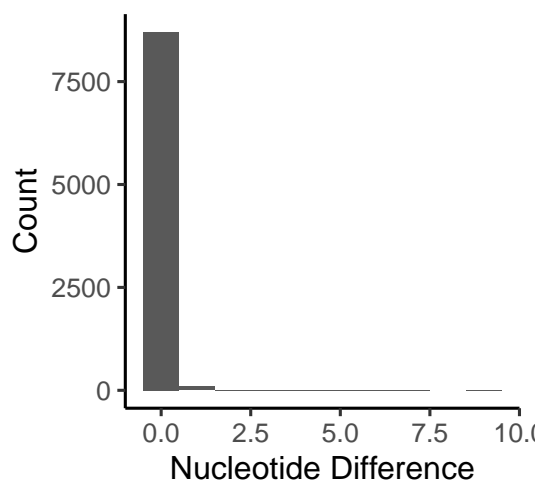
TRBV6-56*ap02

2266 sequences assigned
2061 (91%) exact matches, in which:
2023 unique CDR3
13 unique J



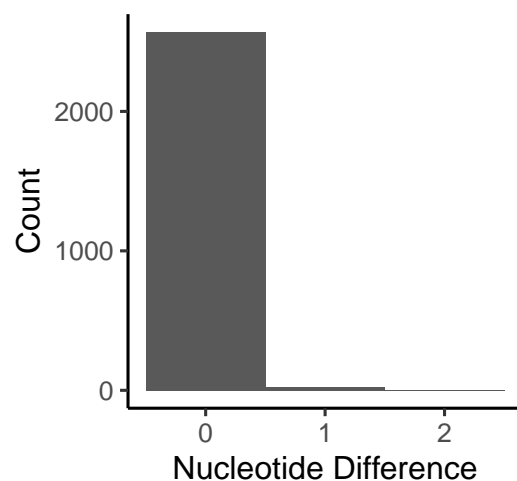
TRBV7-2*ap01

8804 sequences assigned
8704 (98.9%) exact matches, in which:
8545 unique CDR3
13 unique J



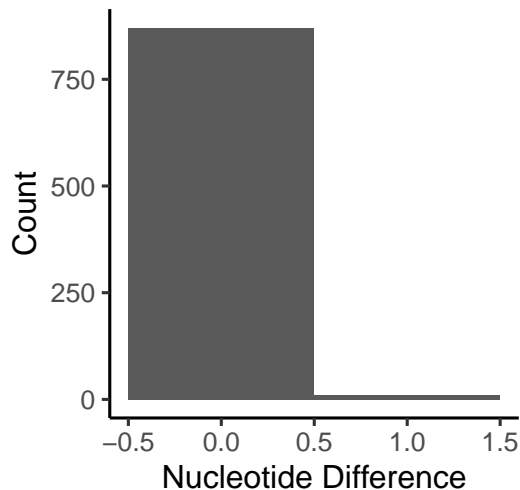
TRBV7-6*ap01

2595 sequences assigned
2569 (99%) exact matches, in which:
2523 unique CDR3
13 unique J



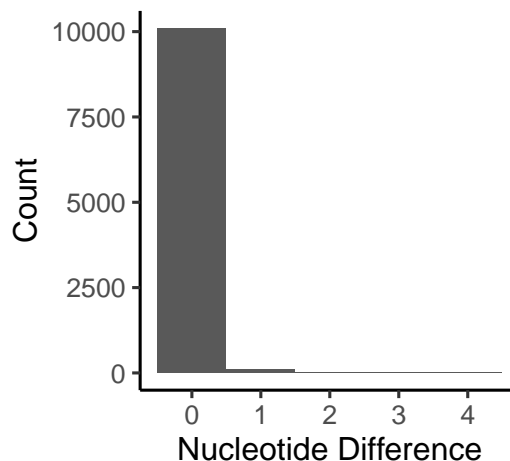
TRBV7-7*ap01

881 sequences assigned
871 (98.9%) exact matches, in which:
854 unique CDR3
13 unique J



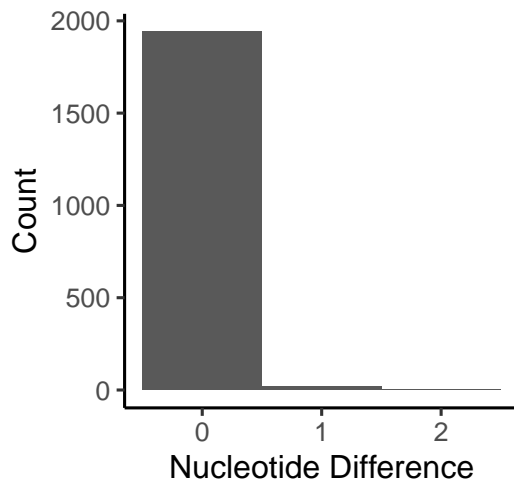
TRBV7-9*ap01

10210 sequences assigned
10102 (98.9%) exact matches, in which:
9930 unique CDR3
13 unique J



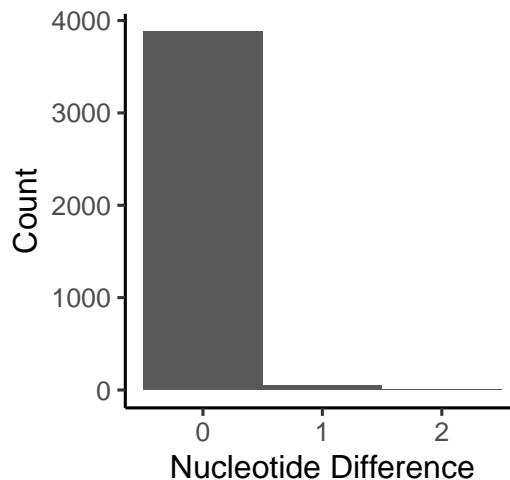
TRBV7-8*ap01

1959 sequences assigned
1941 (99.1%) exact matches, in which:
1903 unique CDR3
13 unique J



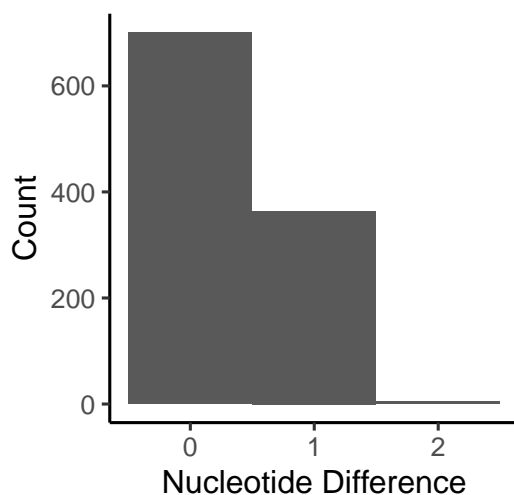
TRBV29-1*ap01

3928 sequences assigned
3879 (98.8%) exact matches, in which:
3793 unique CDR3
13 unique J



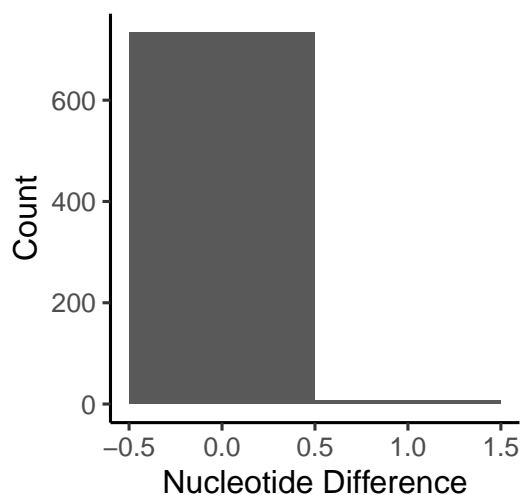
TRBV7-8*ap03

1070 sequences assigned
701 (65.5%) exact matches, in which:
684 unique CDR3
13 unique J

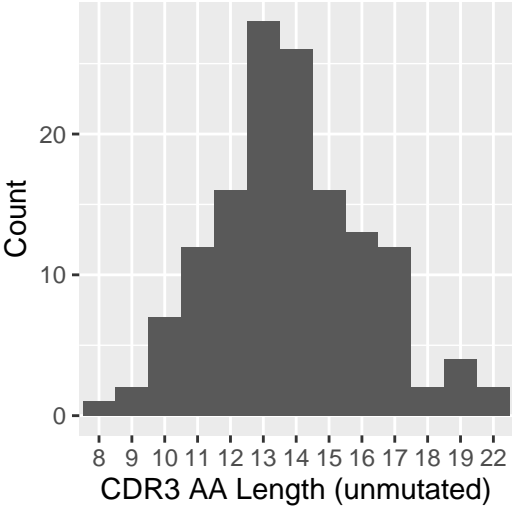


TRBV29-1*ap02

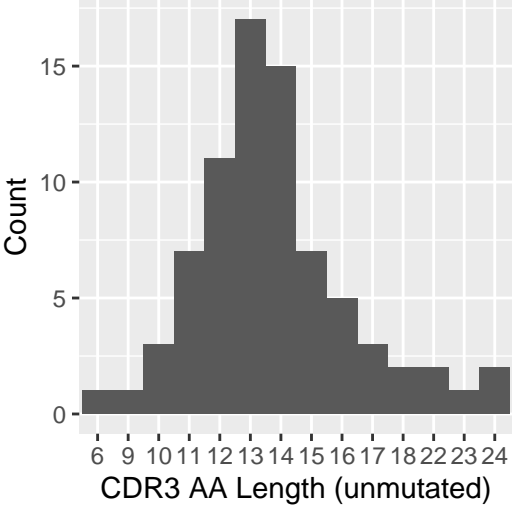
741 sequences assigned
734 (99.1%) exact matches, in which:
720 unique CDR3
13 unique J

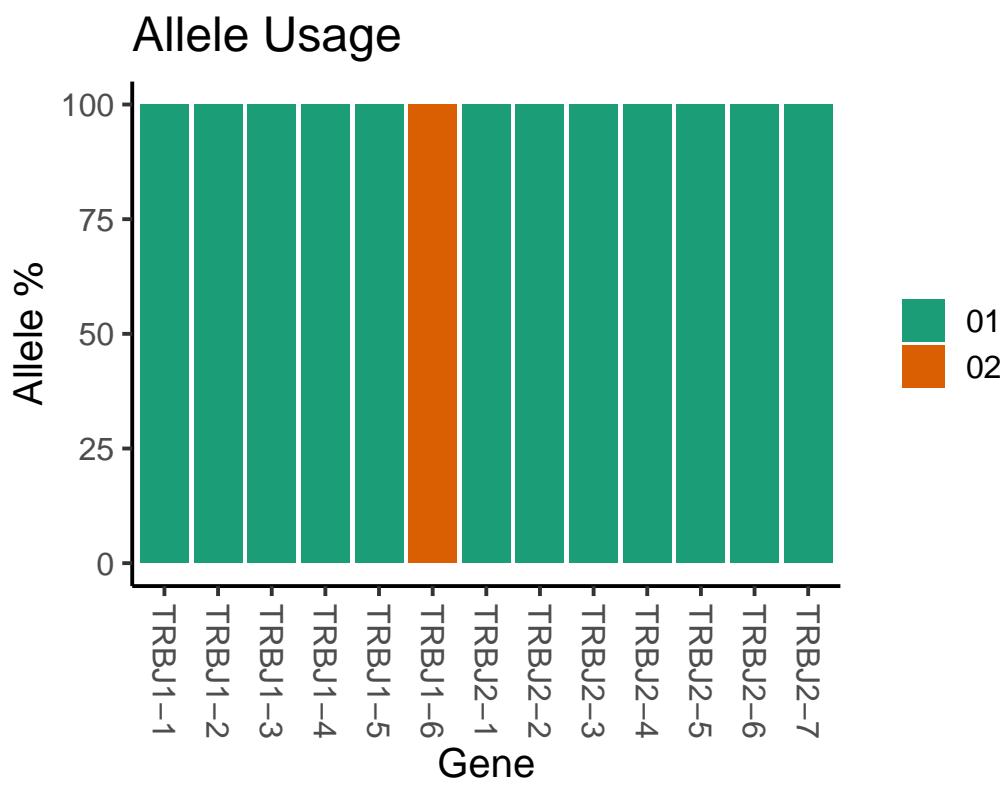


TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C





[illegible]