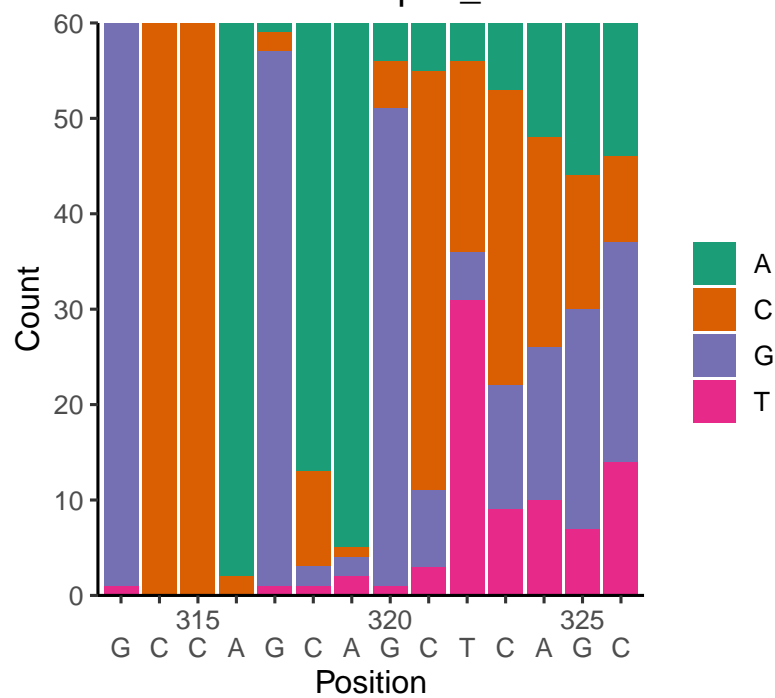
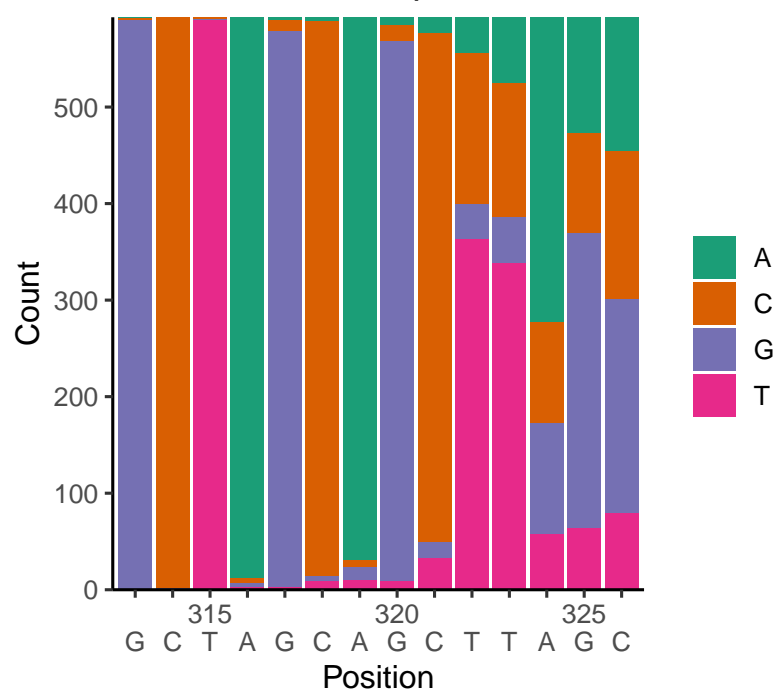


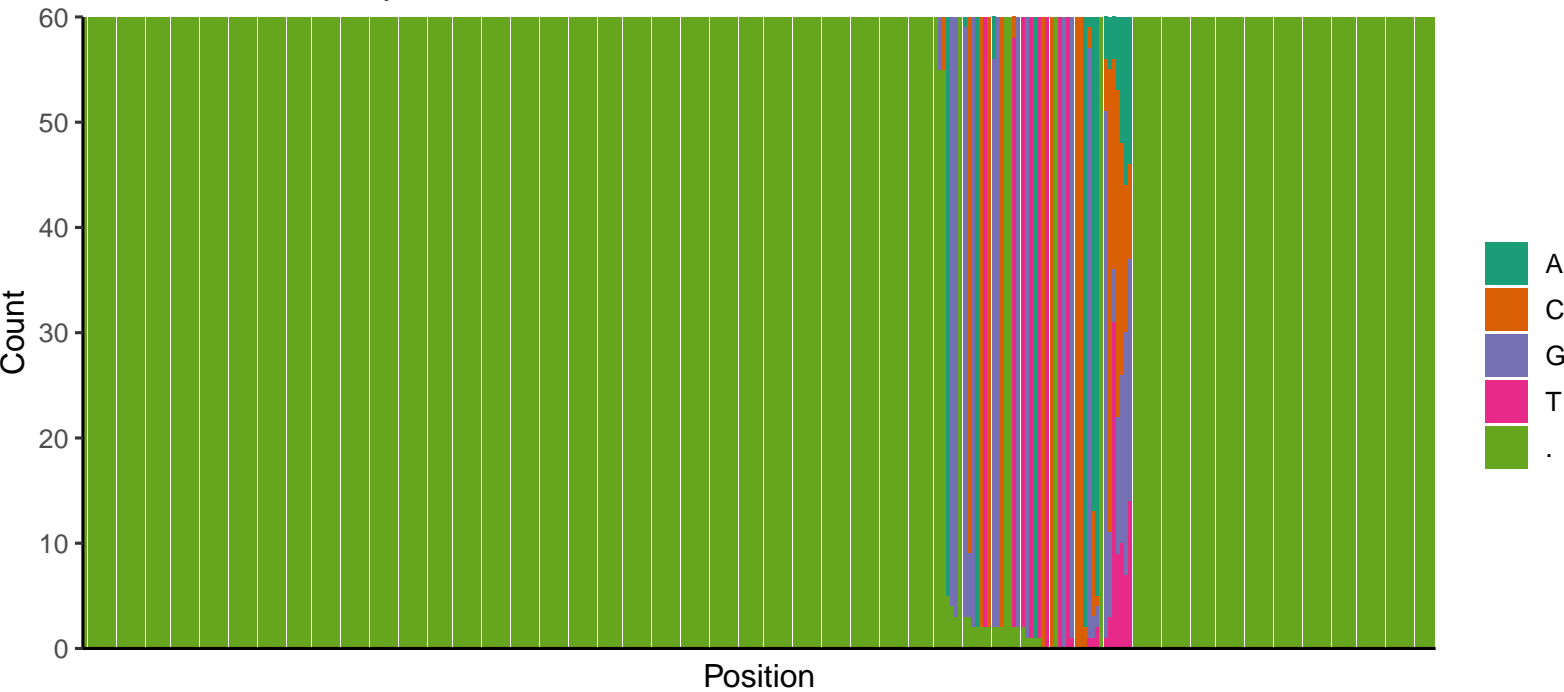
Gene TRBV7-1*ap01_T296C



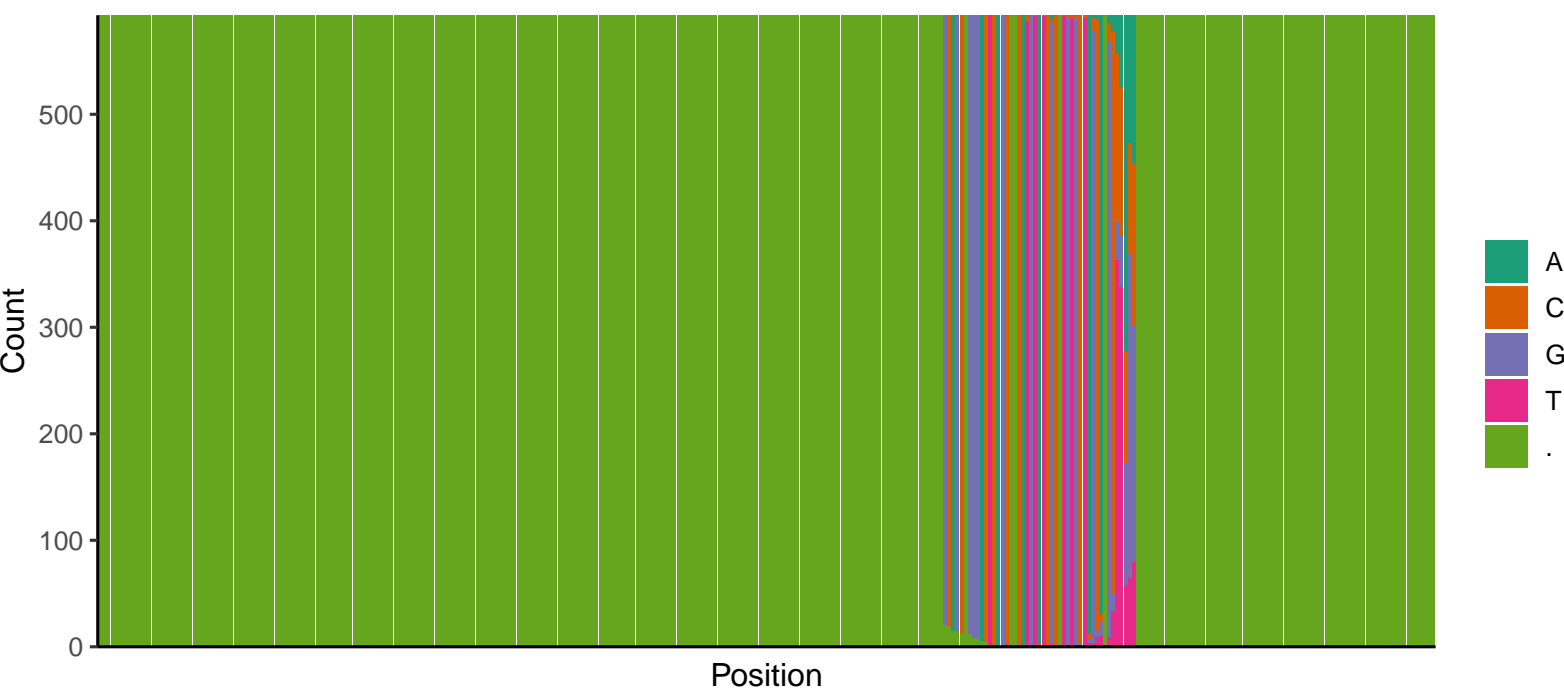
Gene TRBV7-7*ap01_C315T



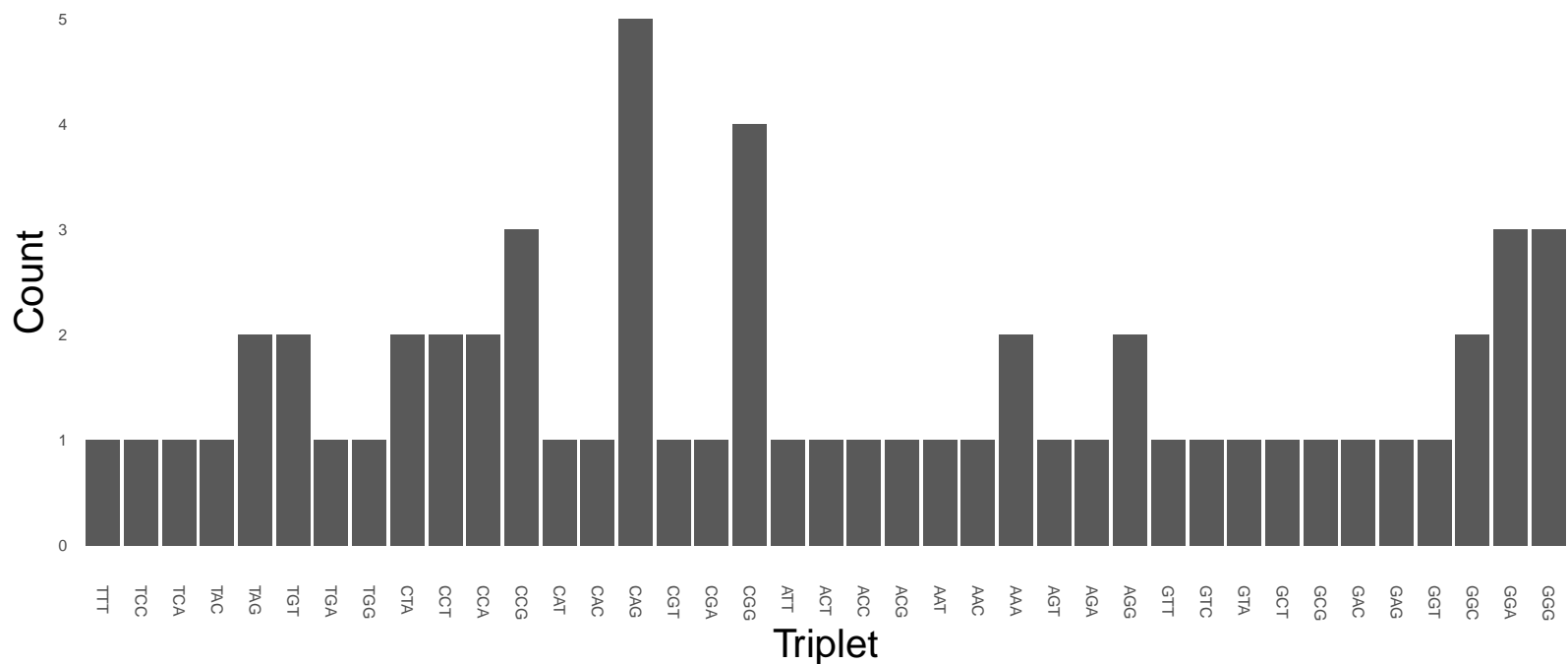
Gene TRBV7-1*ap01_T296C



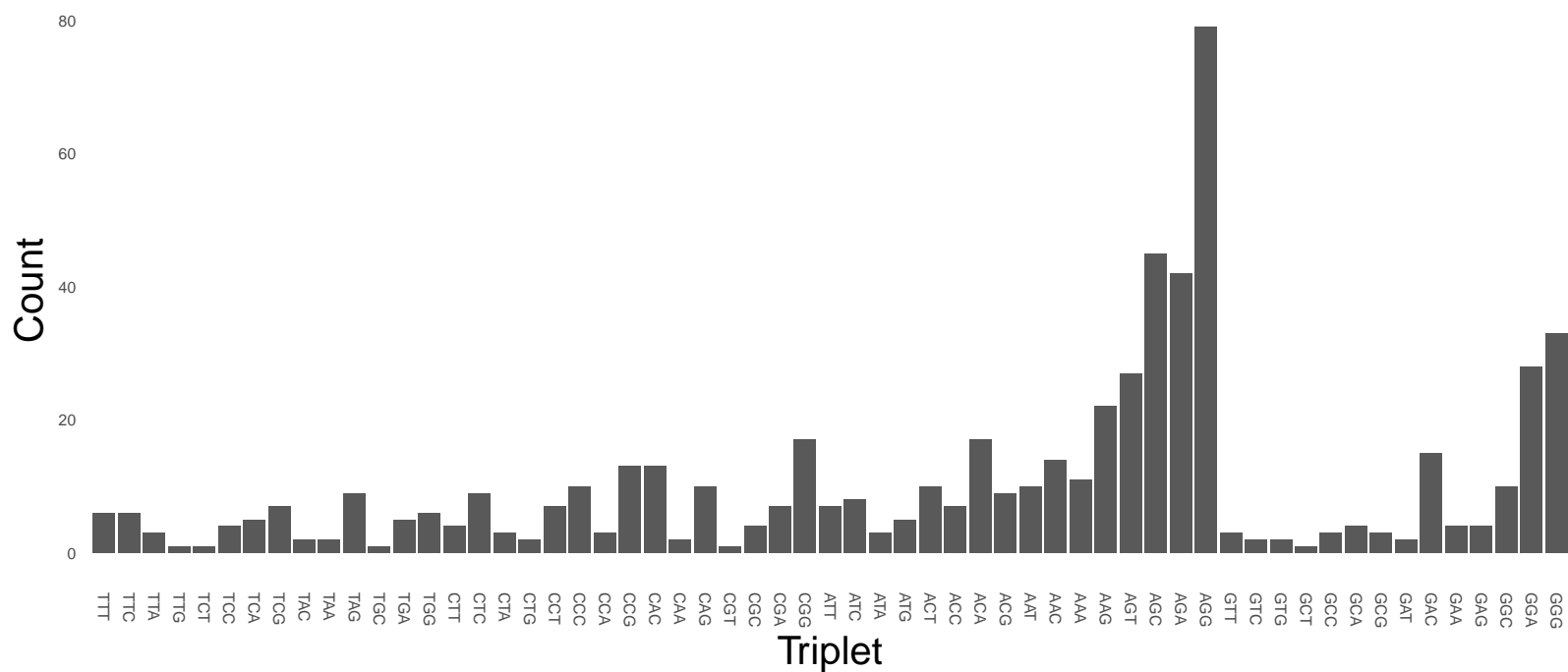
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

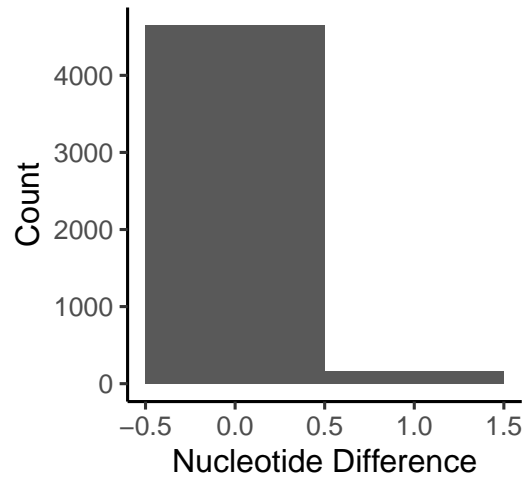


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



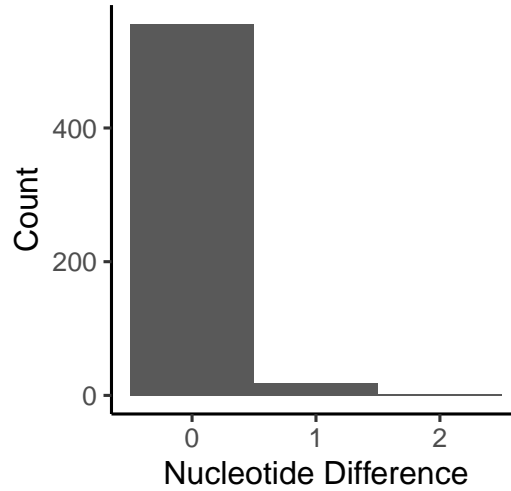
TRBV20-1*ap01

4808 sequences assigned
4648 (96.7%) exact matches, in which:
4583 unique CDR3
13 unique J



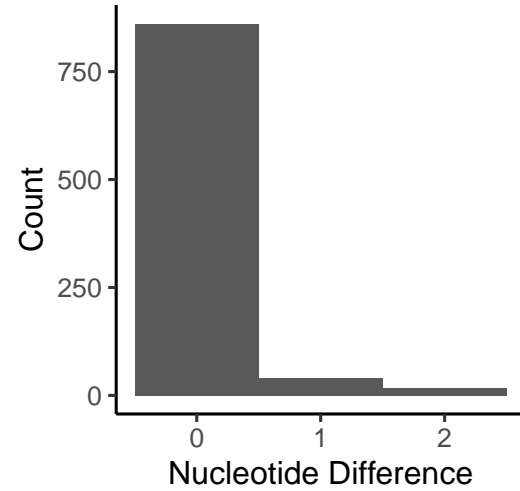
TRBV10-2*ap01

577 sequences assigned
556 (96.4%) exact matches, in which:
549 unique CDR3
13 unique J



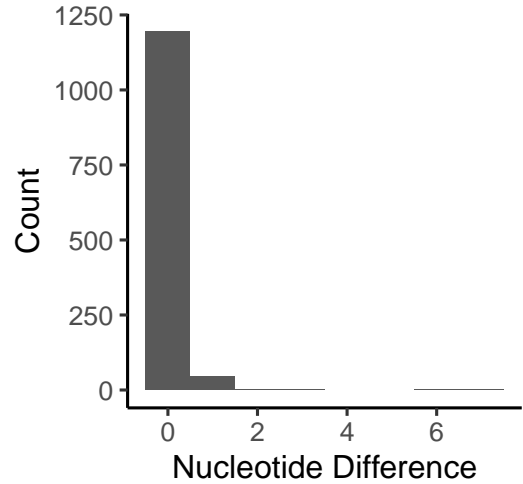
TRBV13*ap01

919 sequences assigned
861 (93.7%) exact matches, in which:
839 unique CDR3
13 unique J



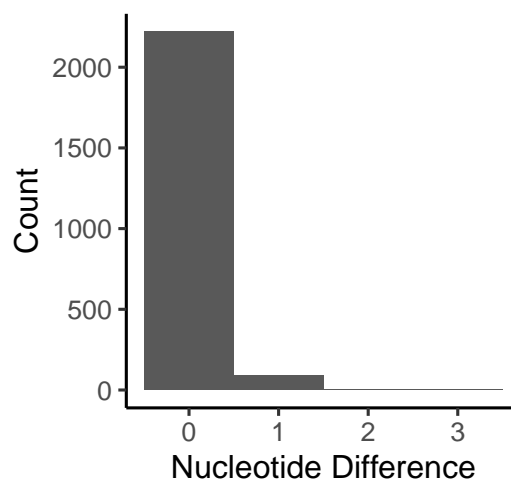
TRBV10-1*ap01

1242 sequences assigned
1194 (96.1%) exact matches, in which:
1179 unique CDR3
13 unique J



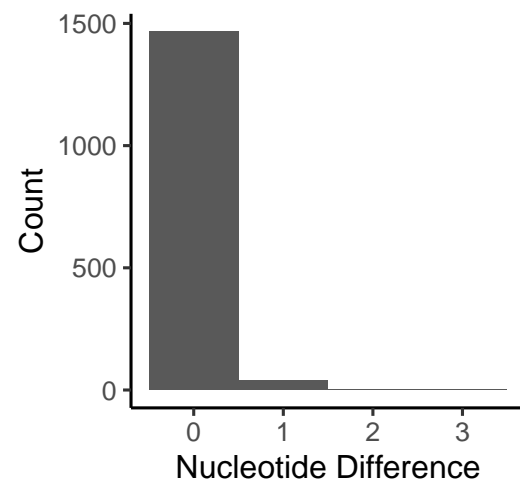
TRBV10-3*ap01

2313 sequences assigned
2220 (96%) exact matches, in which:
2193 unique CDR3
13 unique J



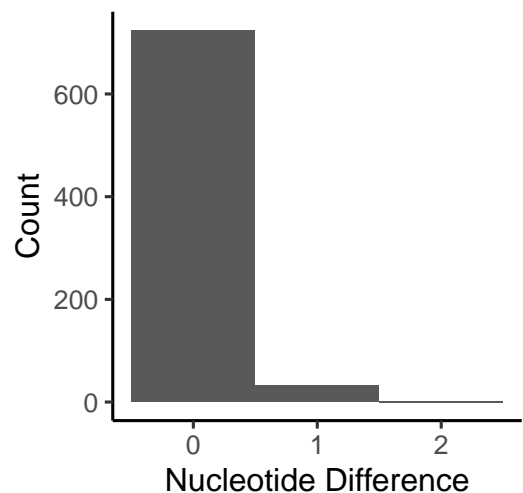
TRBV14*ap01

1508 sequences assigned
1466 (97.2%) exact matches, in which:
1438 unique CDR3
13 unique J



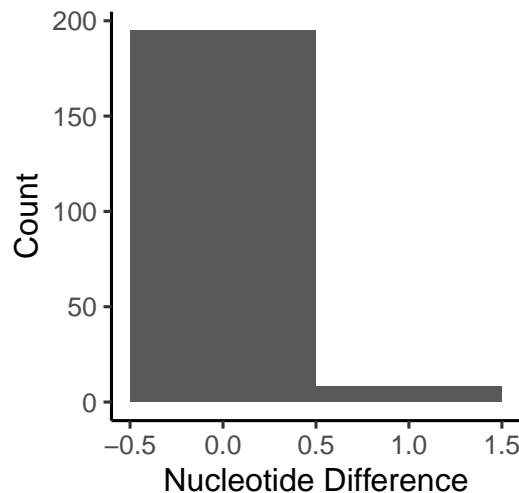
TRBV20-1*ap02

758 sequences assigned
724 (95.5%) exact matches, in which:
716 unique CDR3
13 unique J



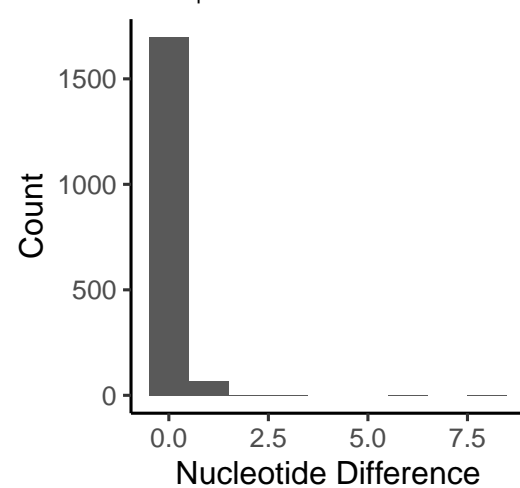
TRBV1*ap01

203 sequences assigned
195 (96.1%) exact matches, in which:
192 unique CDR3
13 unique J



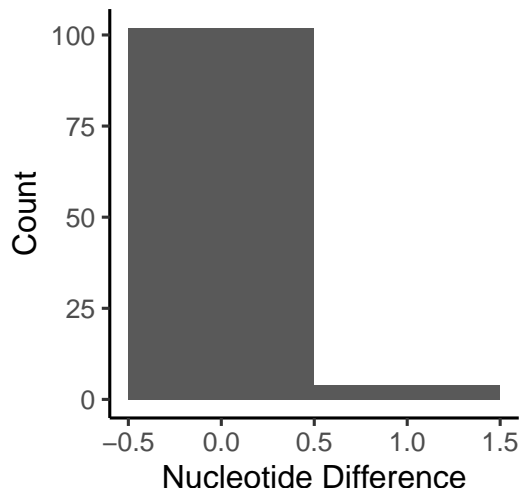
TRBV15*ap02

1772 sequences assigned
1698 (95.8%) exact matches, in which:
1668 unique CDR3
13 unique J



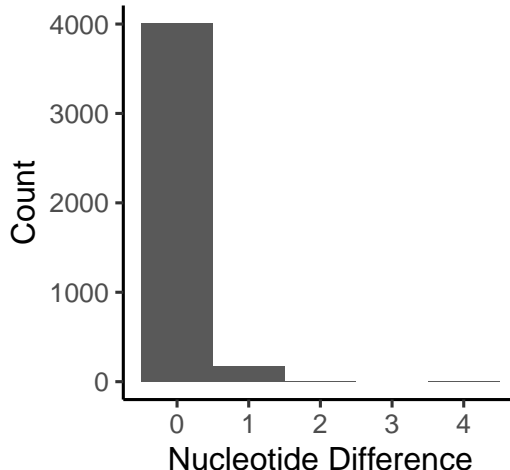
TRBV16*ap01

106 sequences assigned
102 (96.2%) exact matches, in which:
101 unique CDR3
13 unique J



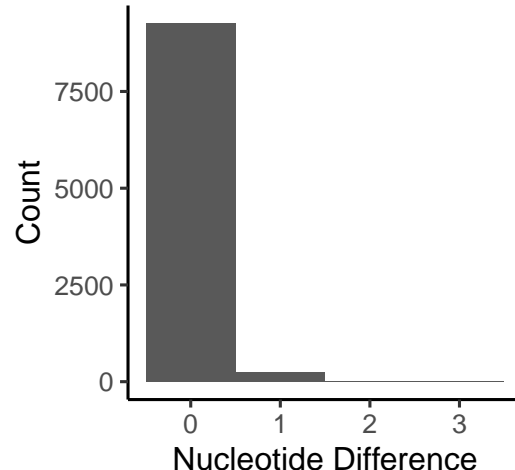
TRBV2*ap01

4192 sequences assigned
4007 (95.6%) exact matches, in which:
3950 unique CDR3
13 unique J



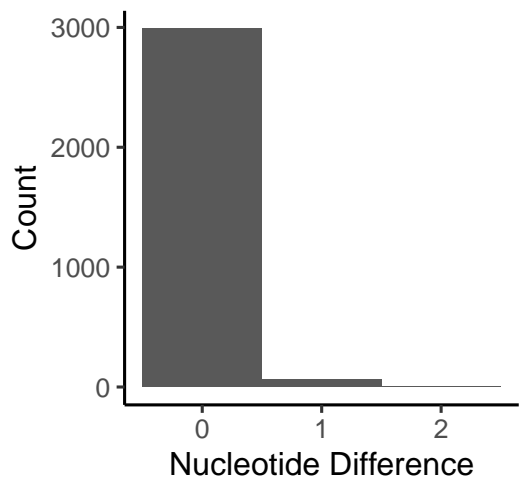
TRBV28*ap01

9517 sequences assigned
9259 (97.3%) exact matches, in which:
9115 unique CDR3
13 unique J



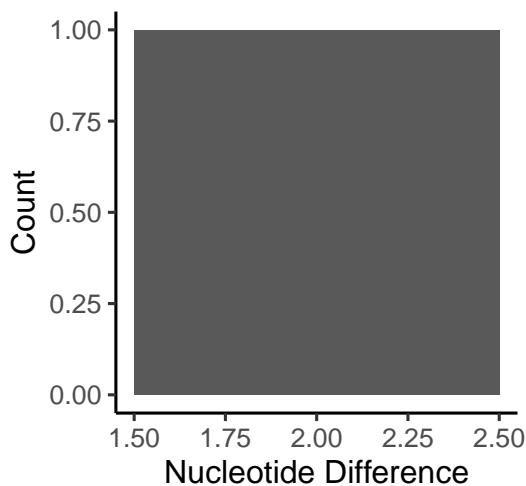
TRBV18*ap01

3059 sequences assigned
2989 (97.7%) exact matches, in which:
2943 unique CDR3
13 unique J



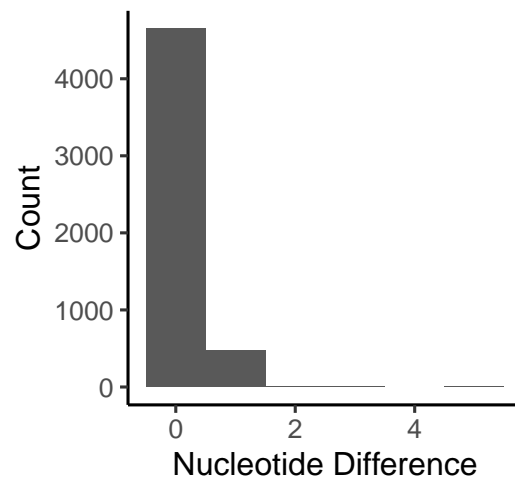
TRBV26*ap01

1 sequences assigned
No exact matches.



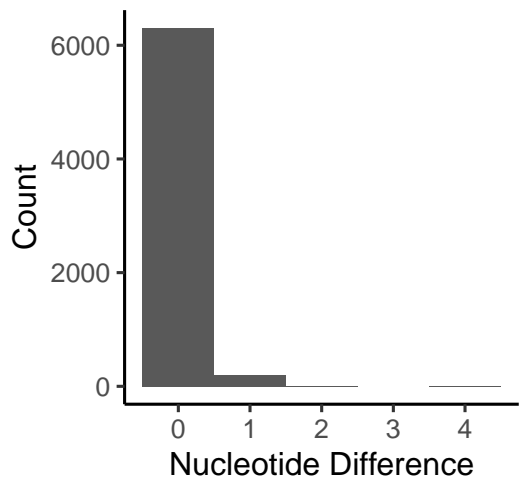
TRBV30*ap01

5138 sequences assigned
4649 (90.5%) exact matches, in which:
4526 unique CDR3
13 unique J



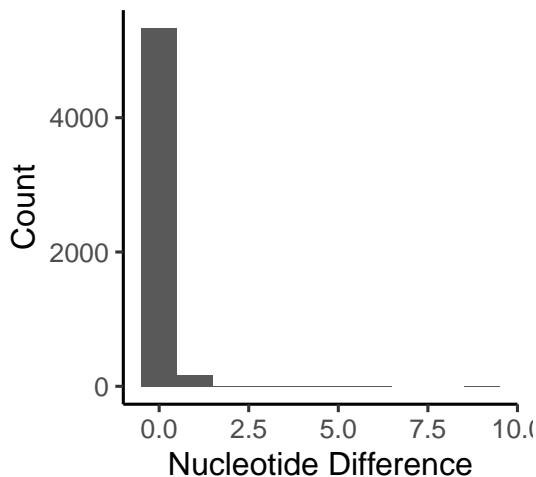
TRBV19*ap01

6511 sequences assigned
6303 (96.8%) exact matches, in which:
6223 unique CDR3
13 unique J



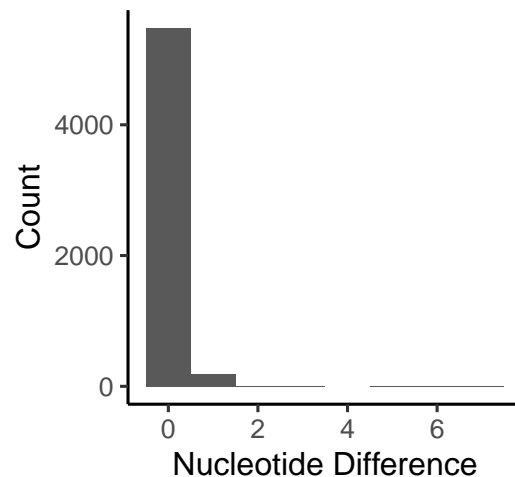
TRBV27*ap01

5518 sequences assigned
5335 (96.7%) exact matches, in which:
5239 unique CDR3
13 unique J



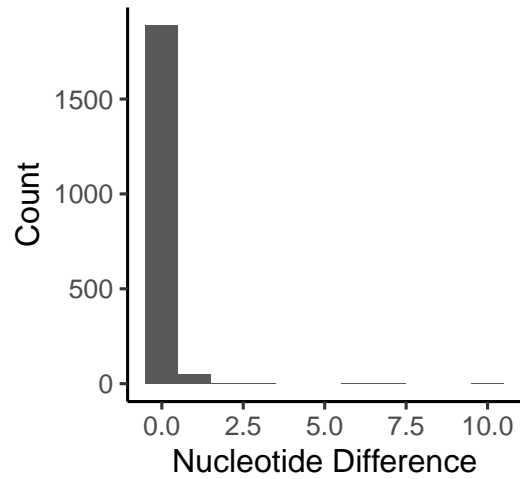
TRBV9*ap01

5684 sequences assigned
5480 (96.4%) exact matches, in which:
5378 unique CDR3
13 unique J



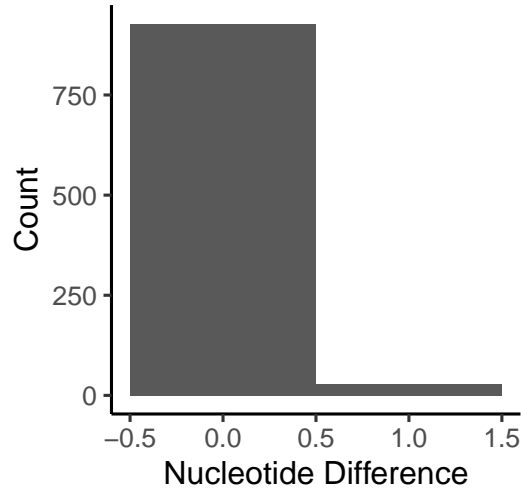
TRBV21-1*ap01

1949 sequences assigned
1888 (96.9%) exact matches, in which:
1852 unique CDR3
13 unique J



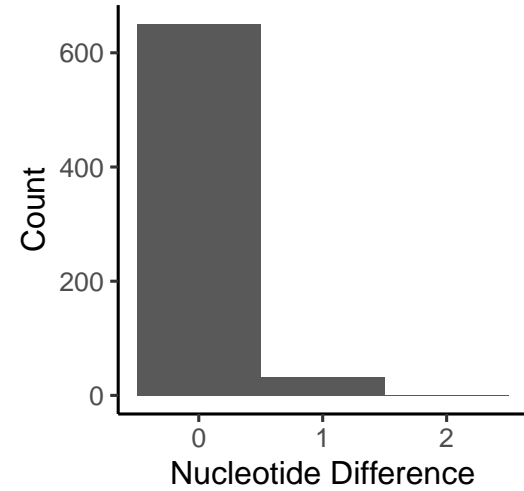
TRBV11-3*ap01

957 sequences assigned
928 (97%) exact matches, in which:
906 unique CDR3
13 unique J



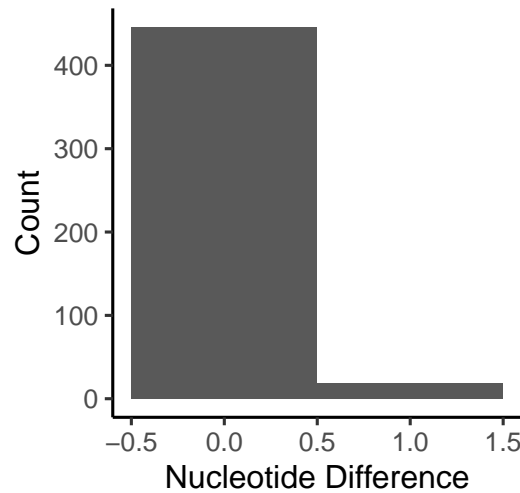
TRBV12-5*ap01

684 sequences assigned
651 (95.2%) exact matches, in which:
640 unique CDR3
13 unique J



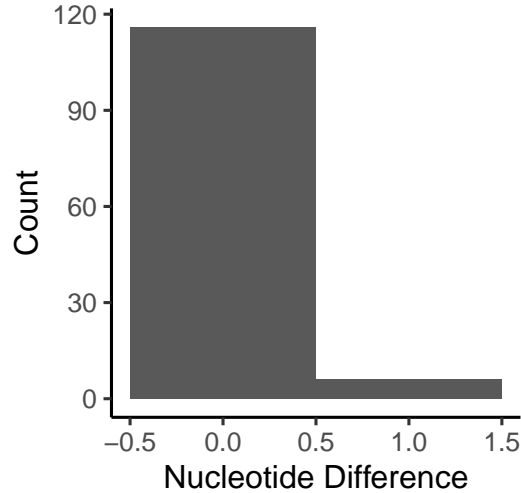
TRBV11-1*ap01

465 sequences assigned
446 (95.9%) exact matches, in which:
440 unique CDR3
13 unique J



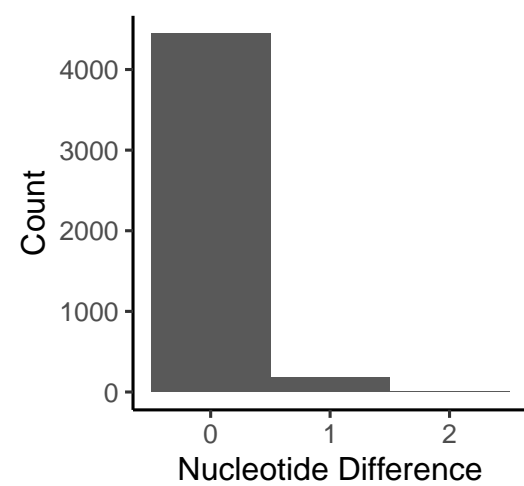
TRBV12-1*ap01

122 sequences assigned
116 (95.1%) exact matches, in which:
112 unique CDR3
11 unique J



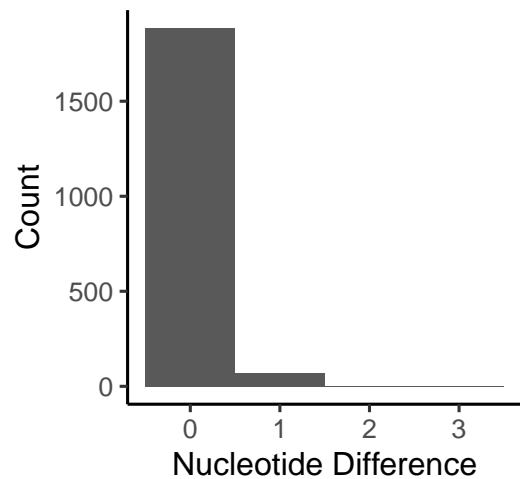
TRBV12-34*ap01

4640 sequences assigned
4444 (95.8%) exact matches, in which:
4358 unique CDR3
13 unique J



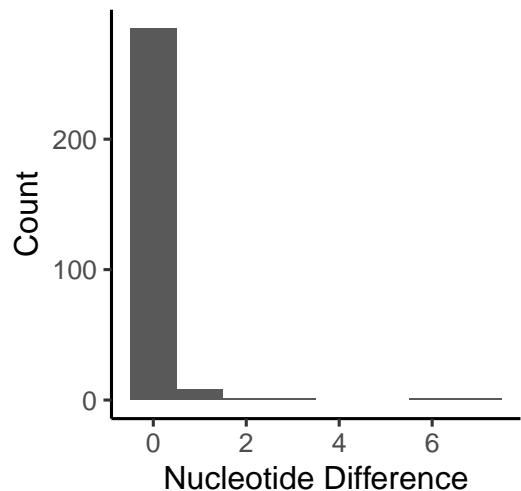
TRBV11-2*ap01

1958 sequences assigned
1885 (96.3%) exact matches, in which:
1844 unique CDR3
13 unique J



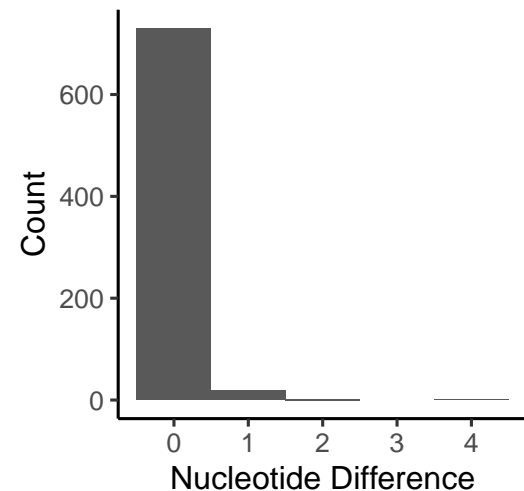
TRBV12-2*ap01

297 sequences assigned
285 (96%) exact matches, in which:
283 unique CDR3
13 unique J



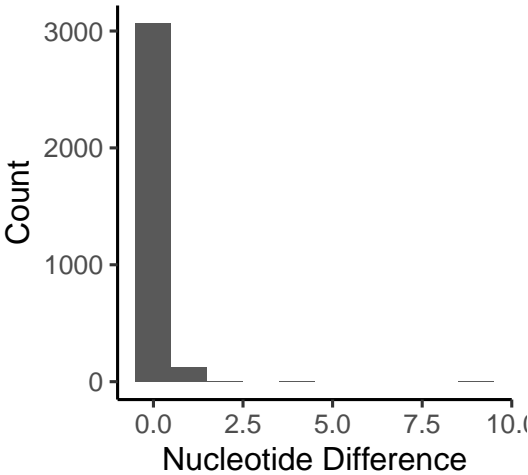
TRBV23-1*ap01

751 sequences assigned
730 (97.2%) exact matches, in which:
717 unique CDR3
13 unique J



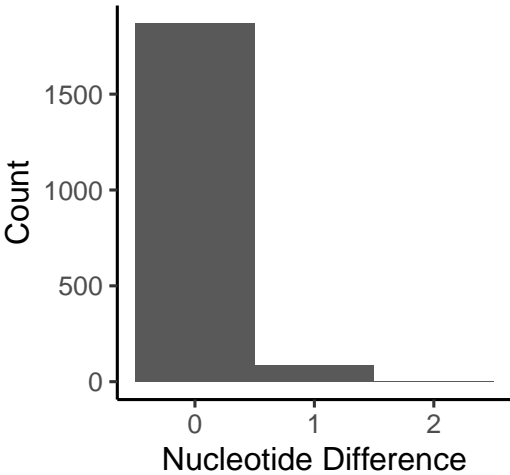
TRBV3-12*ap01

3194 sequences assigned
3065 (96%) exact matches, in which:
3013 unique CDR3
13 unique J



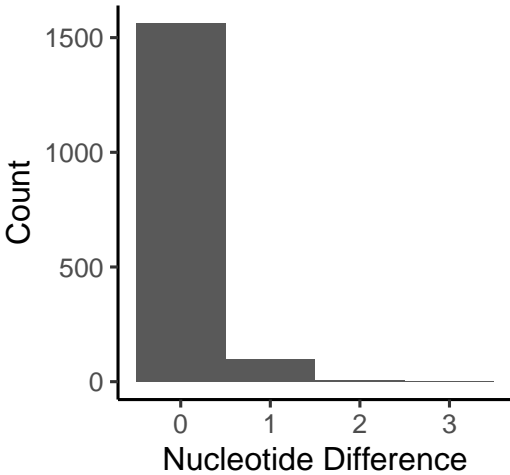
TRBV4-2*ap01

1958 sequences assigned
1869 (95.5%) exact matches, in which:
1821 unique CDR3
13 unique J



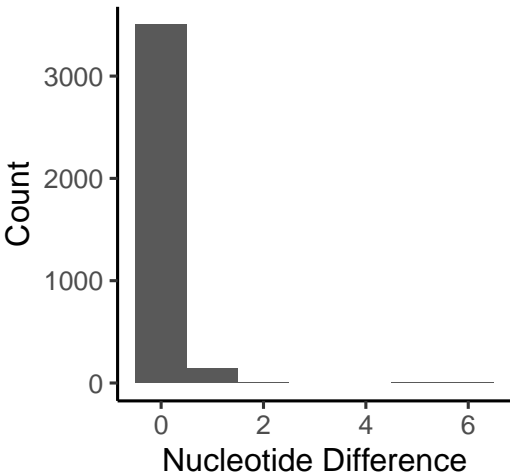
TRBV25-1*ap01

1664 sequences assigned
1562 (93.9%) exact matches, in which:
1521 unique CDR3
13 unique J



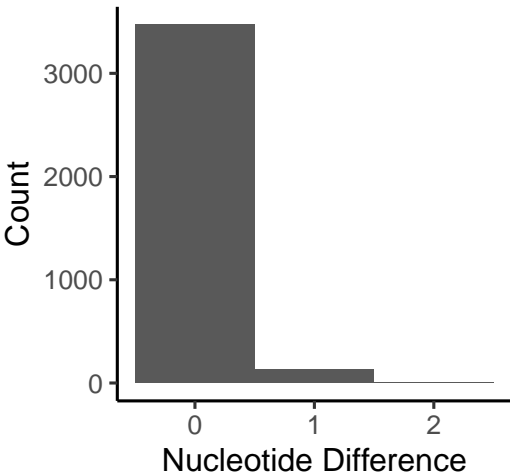
TRBV24-1*ap01

3653 sequences assigned
3502 (95.9%) exact matches, in which:
3431 unique CDR3
13 unique J



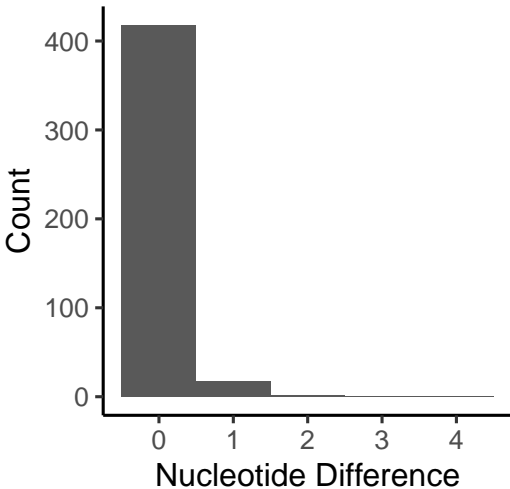
TRBV4-3*ap01

3604 sequences assigned
3471 (96.3%) exact matches, in which:
3408 unique CDR3
13 unique J



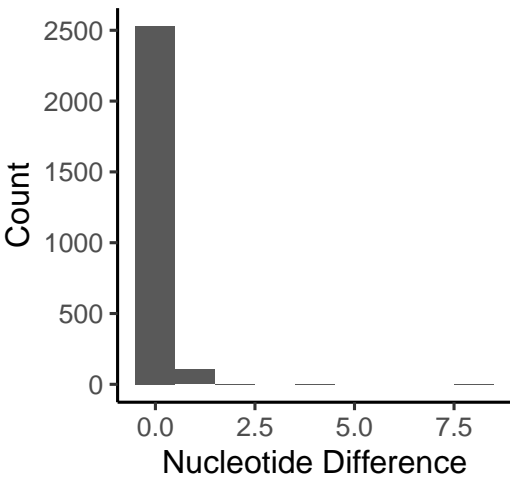
TRBV5-3*ap01

440 sequences assigned
418 (95%) exact matches, in which:
409 unique CDR3
13 unique J



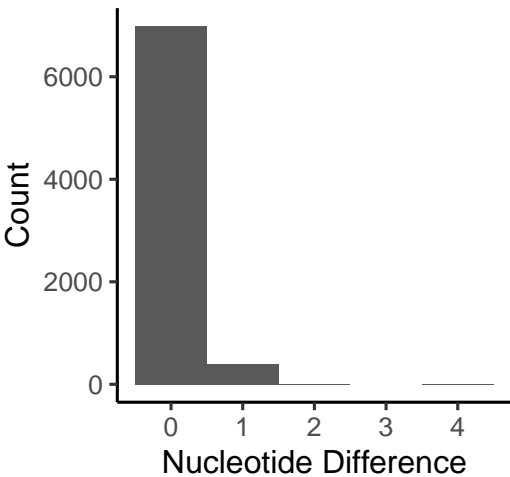
TRBV4-1*ap01

2639 sequences assigned
2530 (95.9%) exact matches, in which:
2486 unique CDR3
13 unique J



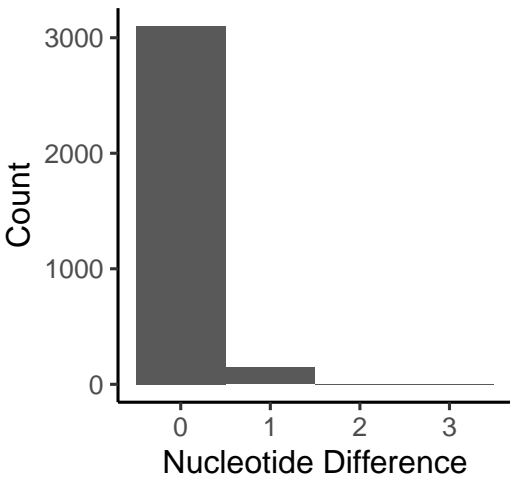
TRBV5-1*ap01

7387 sequences assigned
6989 (94.6%) exact matches, in which:
6834 unique CDR3
13 unique J



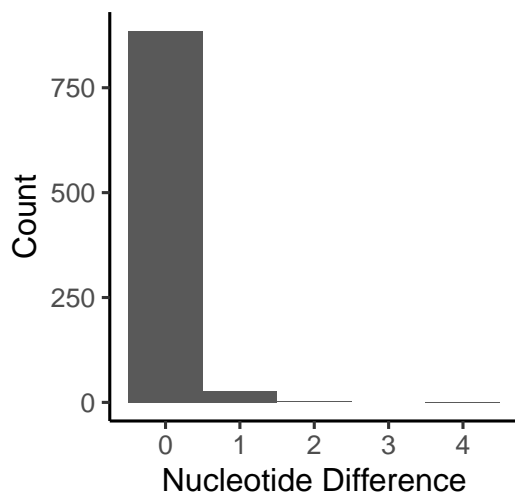
TRBV5-4*ap01

3250 sequences assigned
3101 (95.4%) exact matches, in which:
3026 unique CDR3
13 unique J



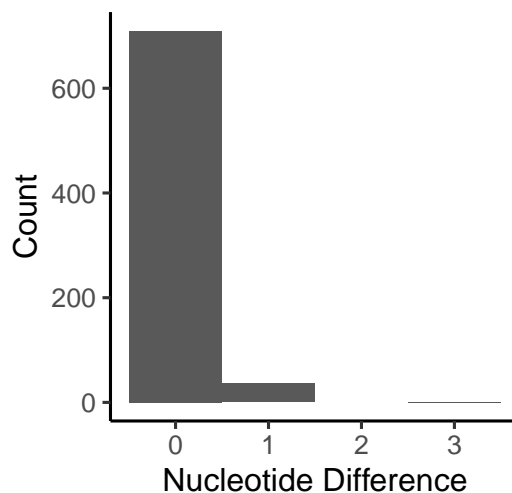
TRBV5-5*ap01

917 sequences assigned
886 (96.6%) exact matches, in which:
869 unique CDR3
13 unique J



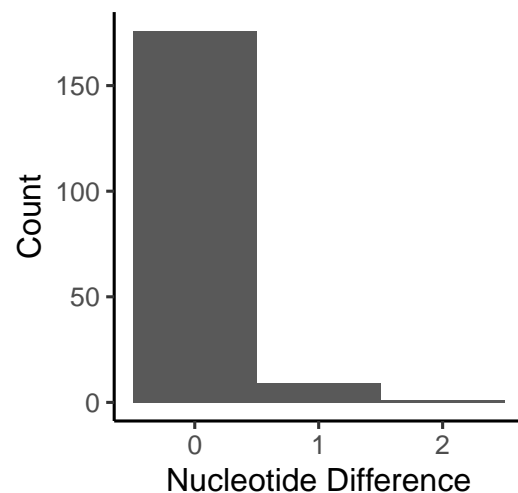
TRBV5-8*ap01

747 sequences assigned
710 (95%) exact matches, in which:
698 unique CDR3
13 unique J



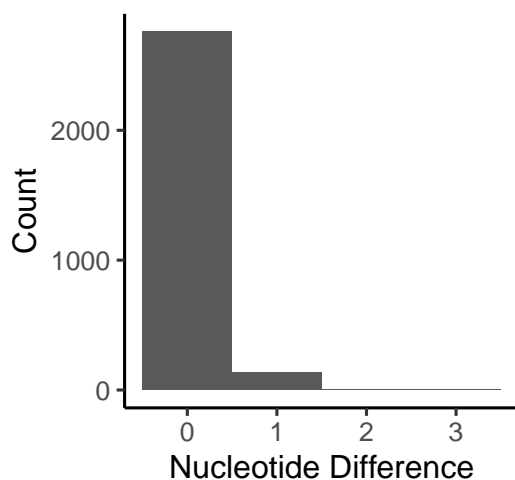
TRBV6-7*ap01

186 sequences assigned
176 (94.6%) exact matches, in which:
172 unique CDR3
13 unique J



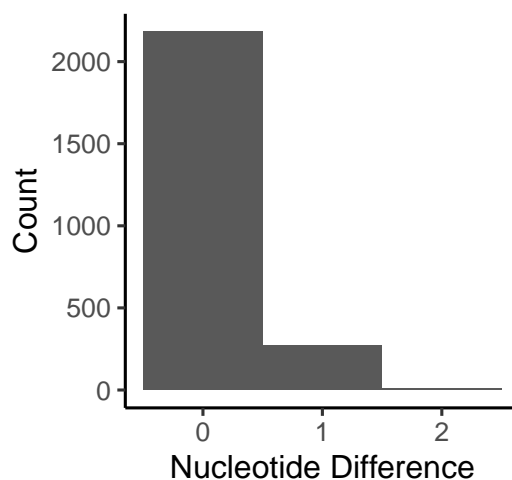
TRBV5-6*ap01

2897 sequences assigned
2759 (95.2%) exact matches, in which:
2675 unique CDR3
13 unique J



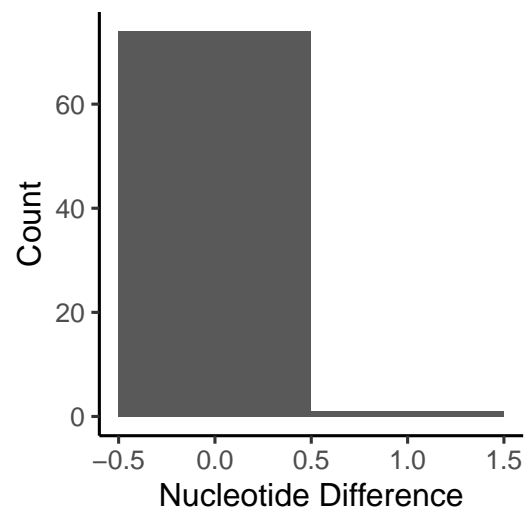
TRBV6-1*ap01

2460 sequences assigned
2182 (88.7%) exact matches, in which:
2130 unique CDR3
13 unique J



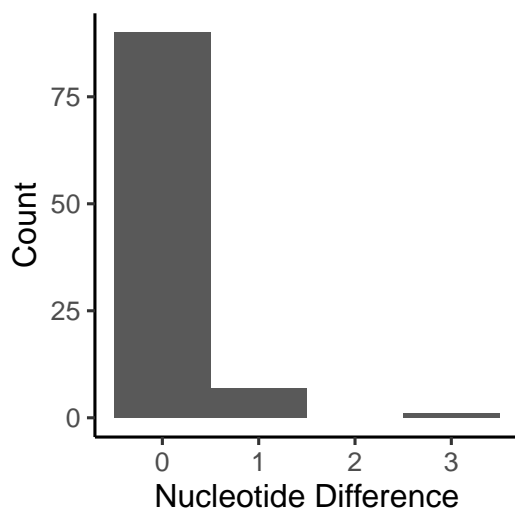
TRBV6-8*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
73 unique CDR3
13 unique J



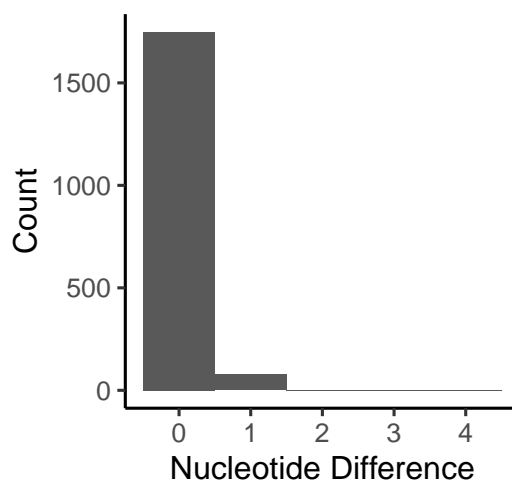
TRBV5-7*ap01

98 sequences assigned
90 (91.8%) exact matches, in which:
87 unique CDR3
13 unique J



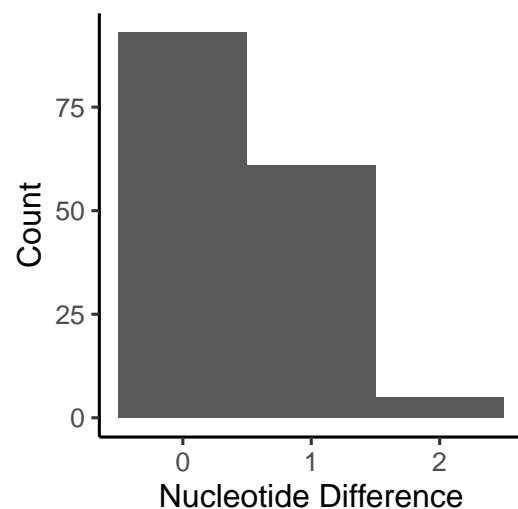
TRBV6-4*ap01

1832 sequences assigned
1748 (95.4%) exact matches, in which:
1722 unique CDR3
13 unique J



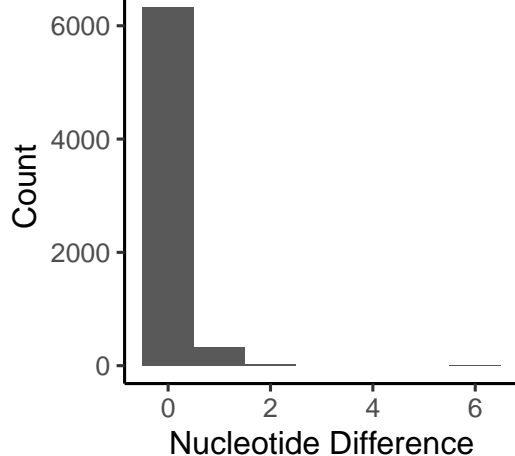
TRBV6-9*ap01

159 sequences assigned
93 (58.5%) exact matches, in which:
90 unique CDR3
11 unique J



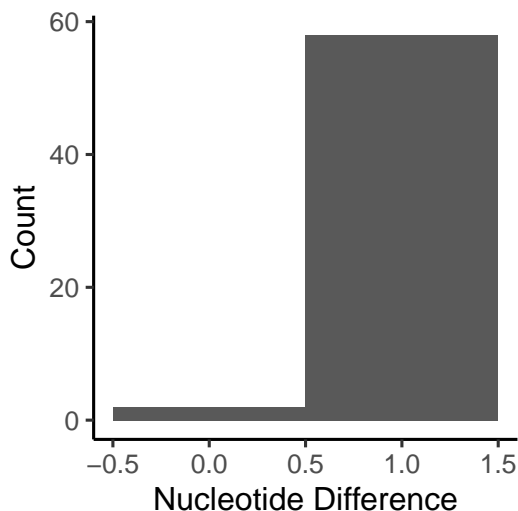
TRBV6-23*ap01

6667 sequences assigned
6324 (94.9%) exact matches, in which:
6168 unique CDR3
13 unique J



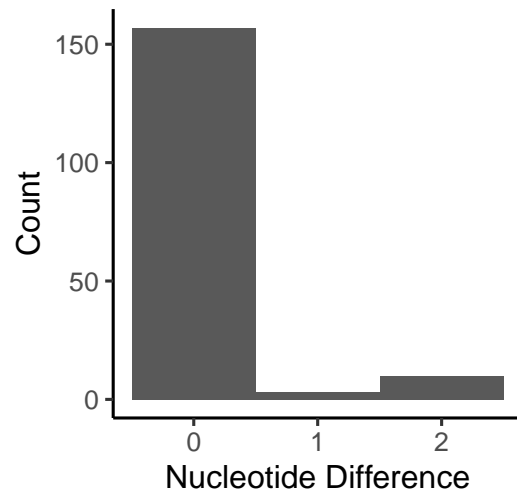
TRBV7-1*ap01_T296C

60 sequences assigned
2 (3.3%) exact matches, in which:
2 unique CDR3
2 unique J



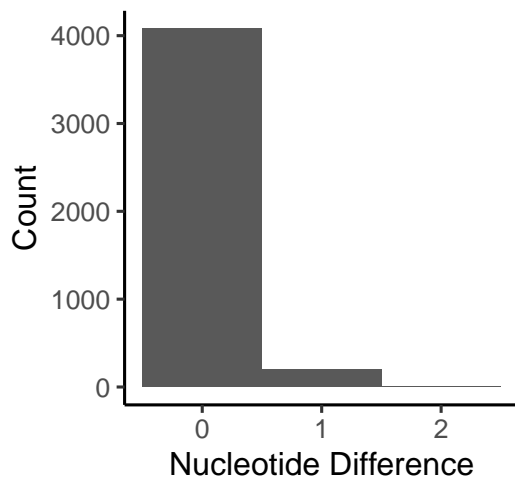
TRBV7-4*ap01

170 sequences assigned
157 (92.4%) exact matches, in which:
152 unique CDR3
13 unique J



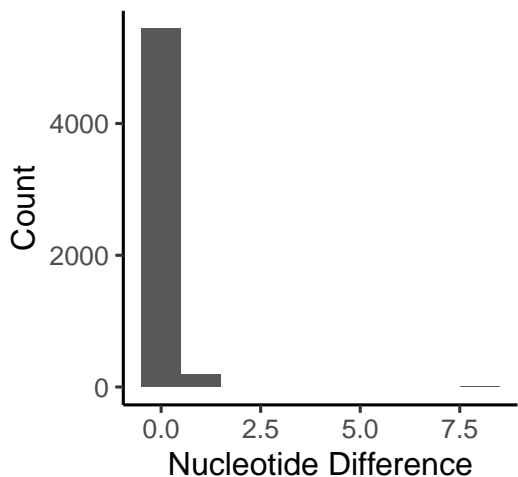
TRBV6-56*ap01

4285 sequences assigned
4079 (95.2%) exact matches, in which:
3953 unique CDR3
13 unique J



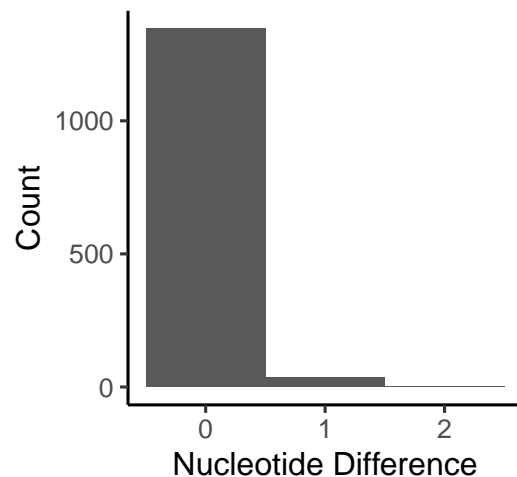
TRBV7-2*ap01

5632 sequences assigned
5439 (96.6%) exact matches, in which:
5353 unique CDR3
13 unique J



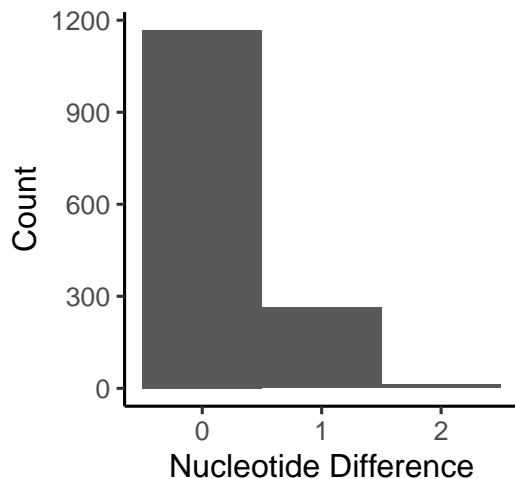
TRBV7-6*ap01

1384 sequences assigned
1346 (97.3%) exact matches, in which:
1321 unique CDR3
13 unique J



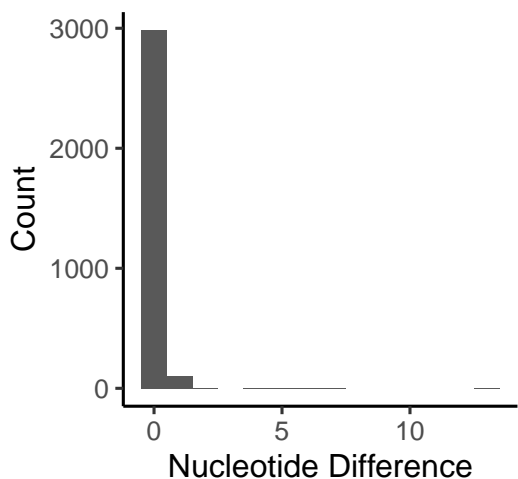
TRBV6-56*ap02

1443 sequences assigned
1168 (80.9%) exact matches, in which:
1139 unique CDR3
13 unique J



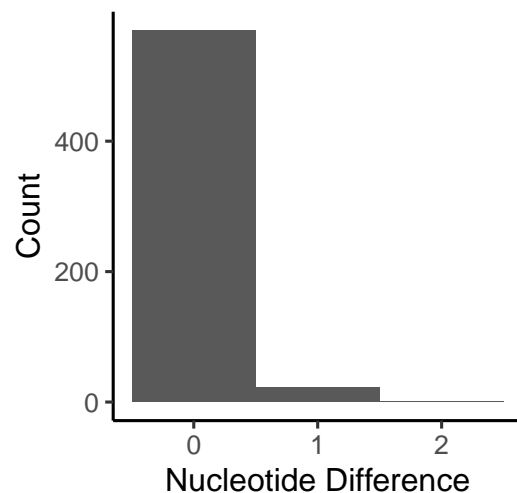
TRBV7-3*ap01

3093 sequences assigned
2985 (96.5%) exact matches, in which:
2930 unique CDR3
13 unique J



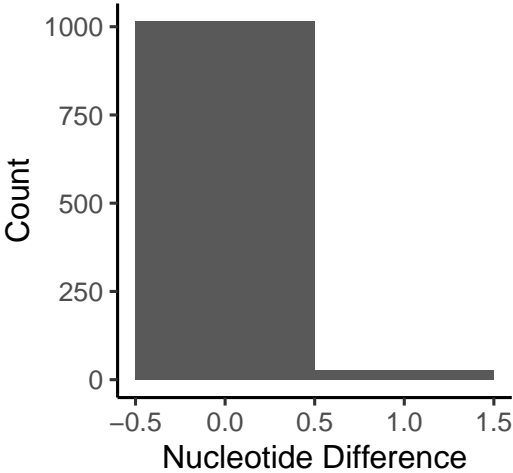
TRBV7-7*ap01_C315T

593 sequences assigned
570 (96.1%) exact matches, in which:
564 unique CDR3
13 unique J



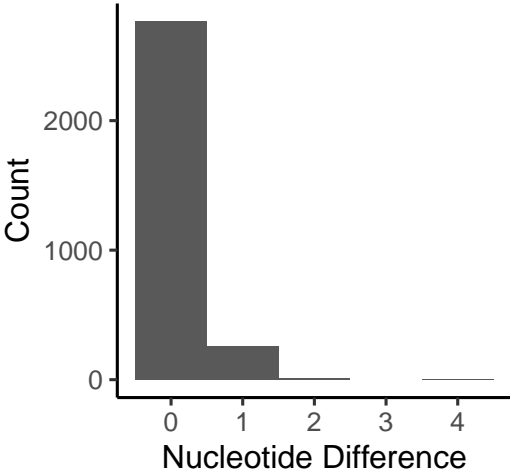
TRBV7-8*ap01

1043 sequences assigned
1015 (97.3%) exact matches, in which:
993 unique CDR3
13 unique J



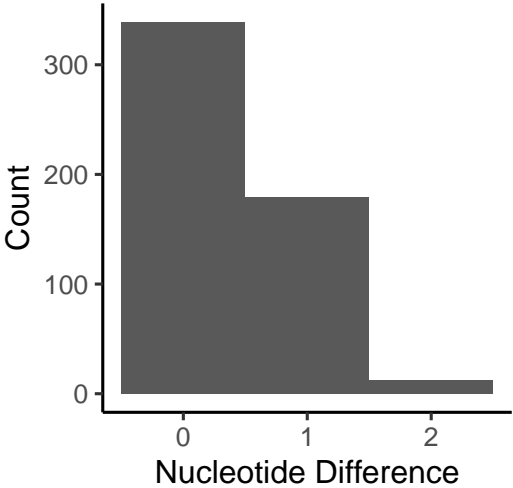
TRBV29-1*ap01

3042 sequences assigned
2766 (90.9%) exact matches, in which:
2693 unique CDR3
13 unique J



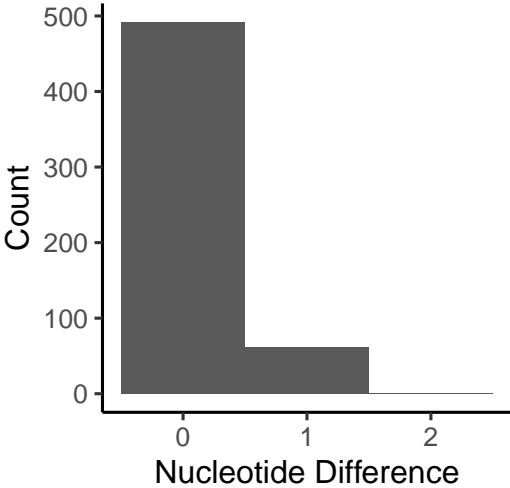
TRBV7-8*ap03

530 sequences assigned
339 (64%) exact matches, in which:
328 unique CDR3
13 unique J



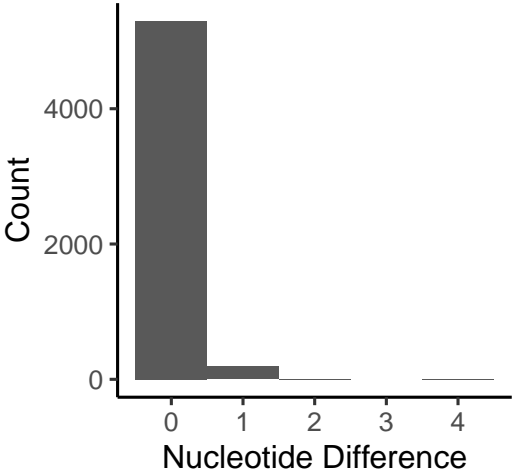
TRBV29-1*ap02

555 sequences assigned
492 (88.6%) exact matches, in which:
485 unique CDR3
13 unique J

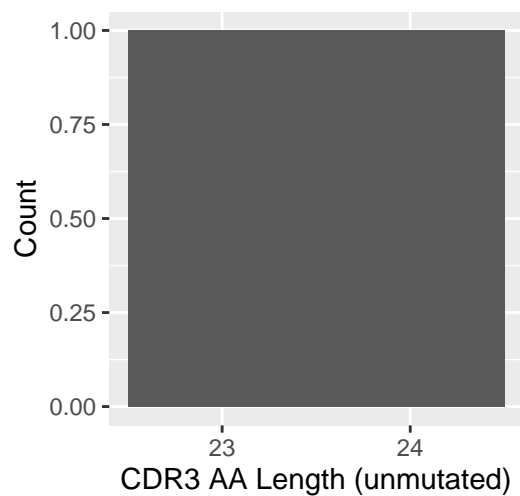


TRBV7-9*ap01

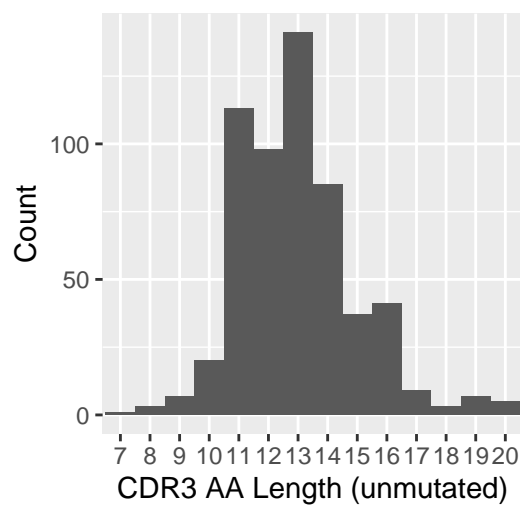
5491 sequences assigned
5296 (96.4%) exact matches, in which:
5209 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]