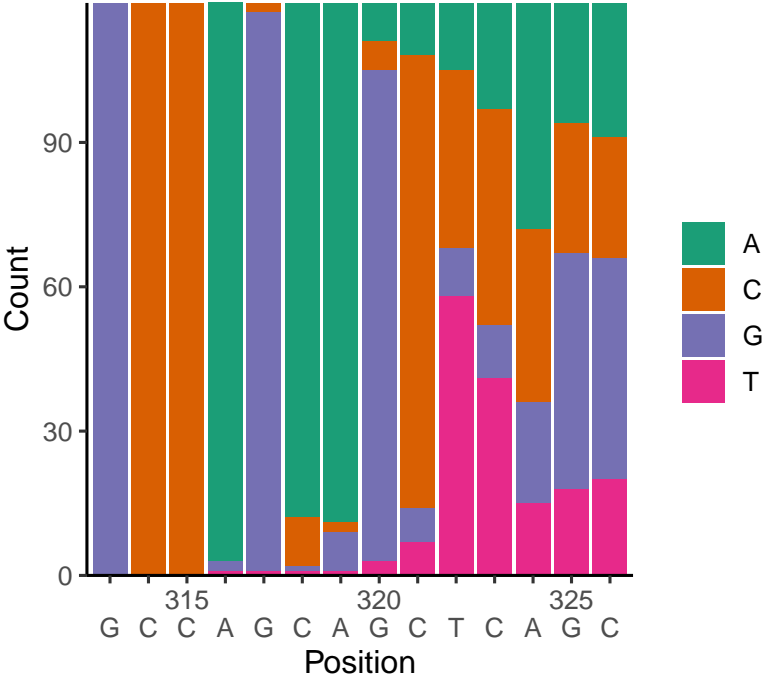
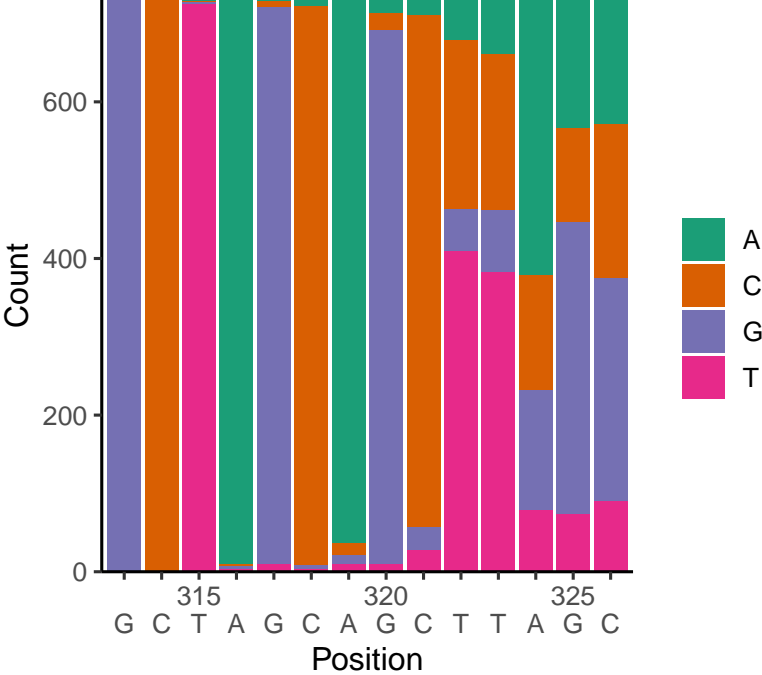


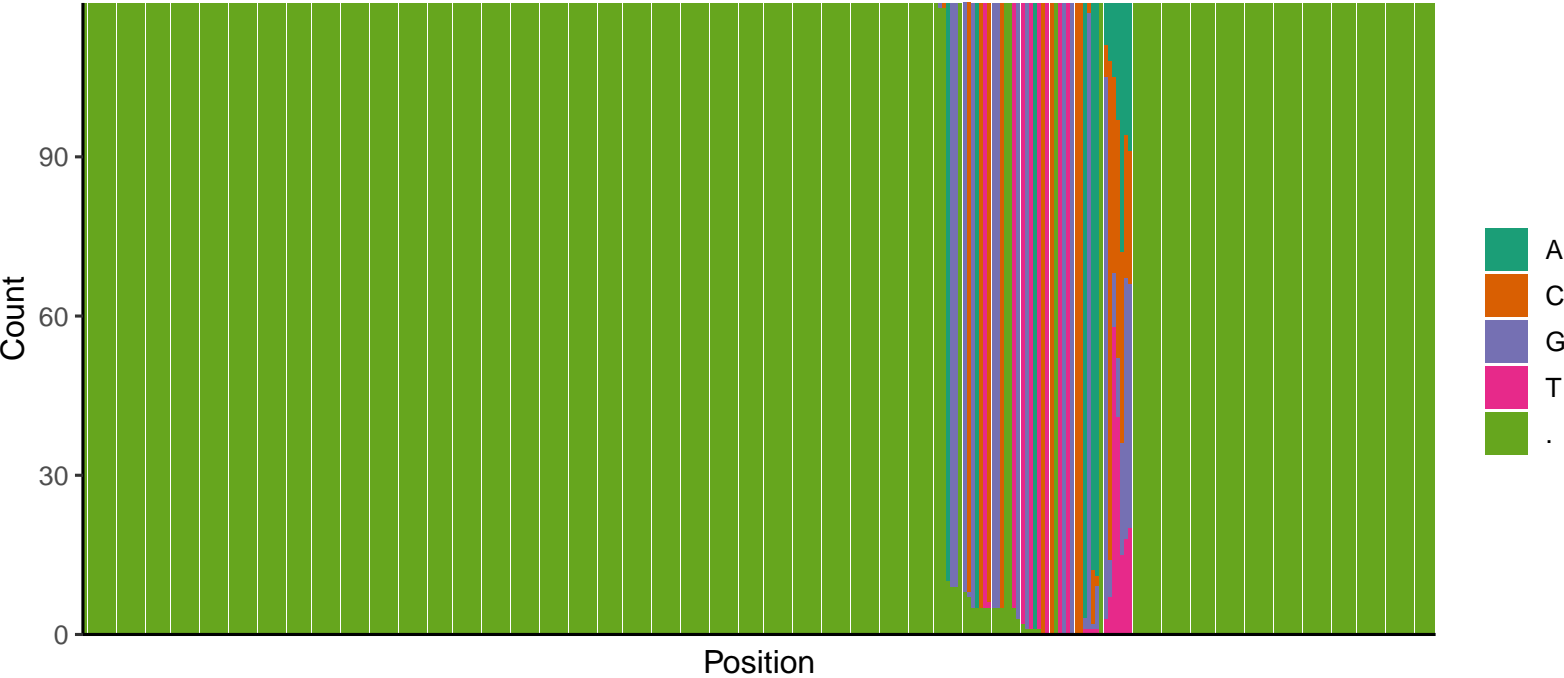
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



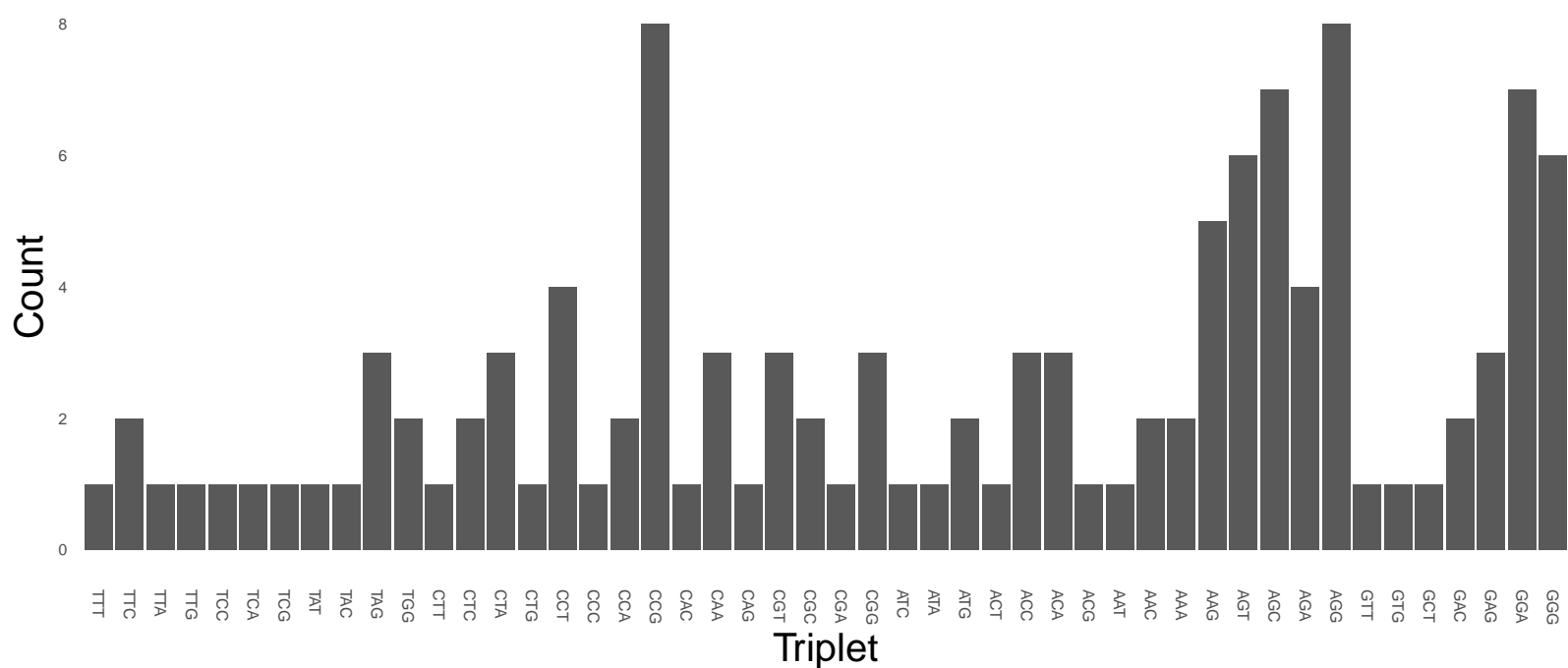
Gene TRBV7-1*ap01_G291C_T296C



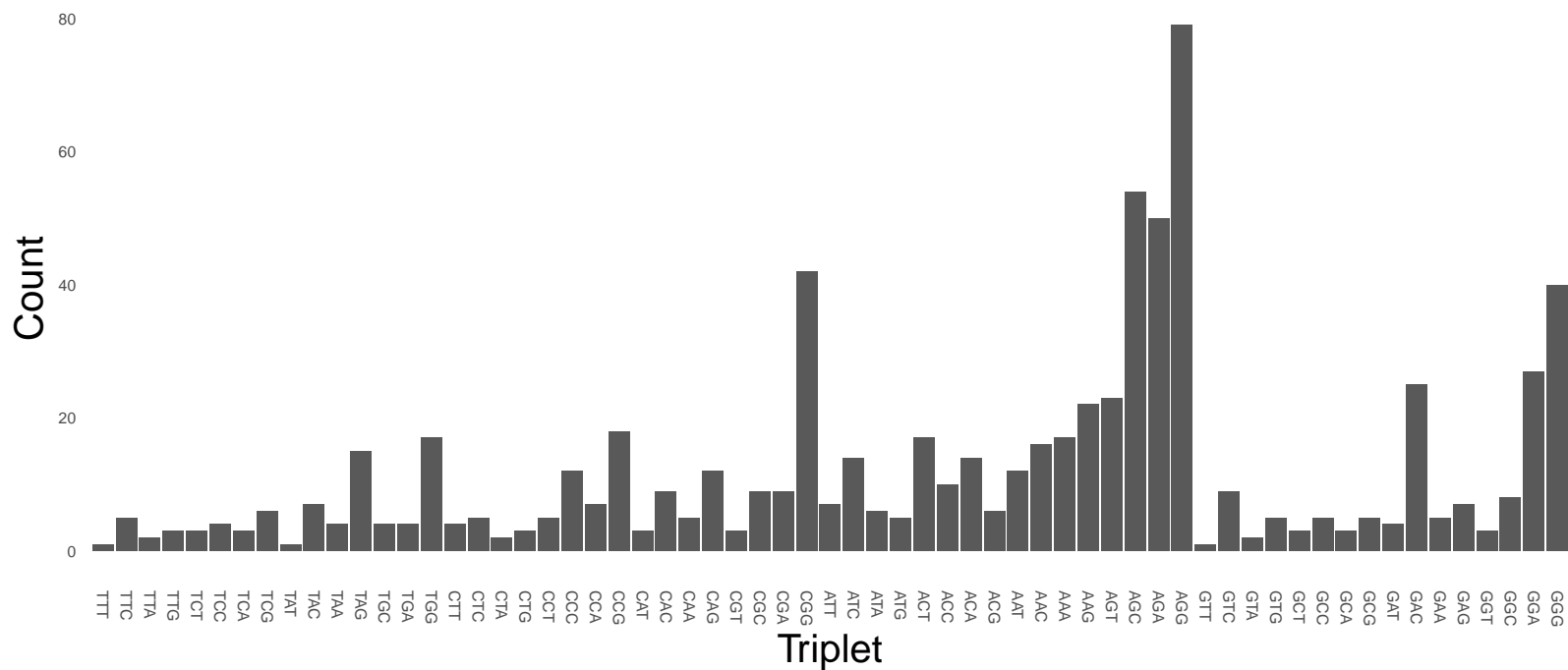
Gene TRBV7-7*ap01_C315T



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

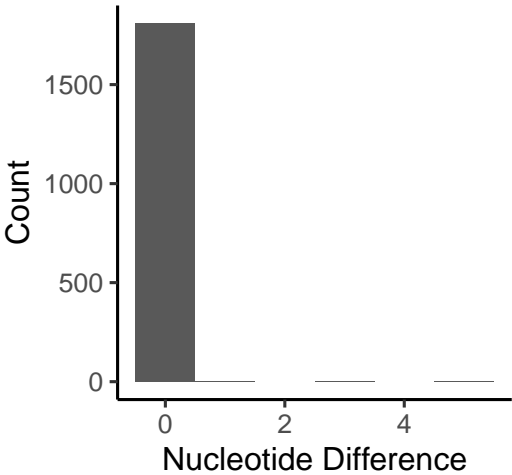


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



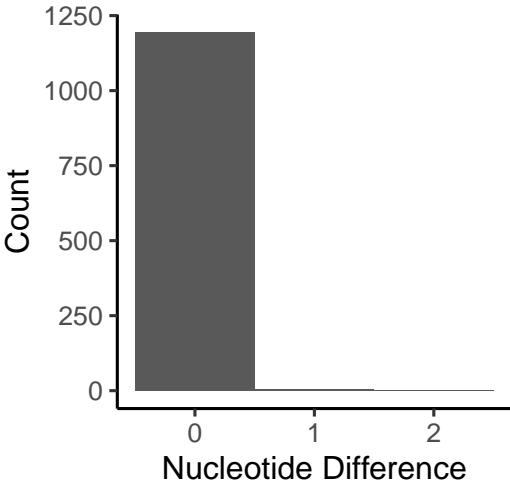
TRBV10-1*ap01

1815 sequences assigned
1809 (99.7%) exact matches, in which:
1799 unique CDR3
13 unique J



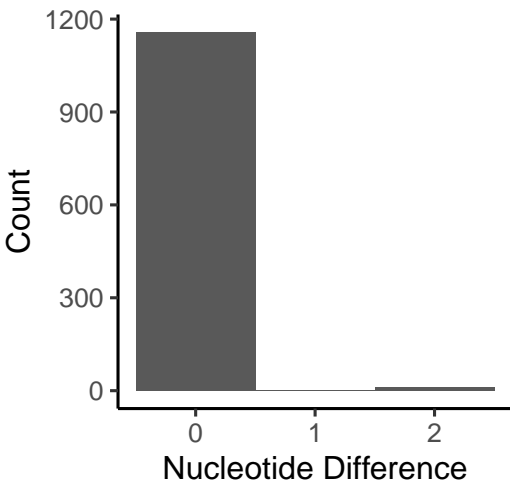
TRBV10-2*ap01

1201 sequences assigned
1194 (99.4%) exact matches, in which:
1188 unique CDR3
13 unique J



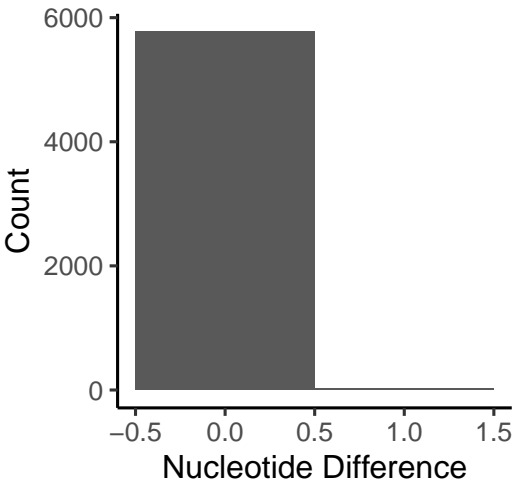
TRBV13*ap01

1168 sequences assigned
1157 (99.1%) exact matches, in which:
1149 unique CDR3
13 unique J



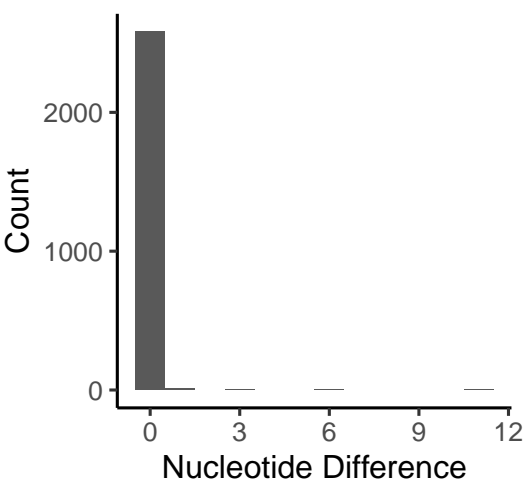
TRBV20-1*ap01

5802 sequences assigned
5773 (99.5%) exact matches, in which:
5756 unique CDR3
13 unique J



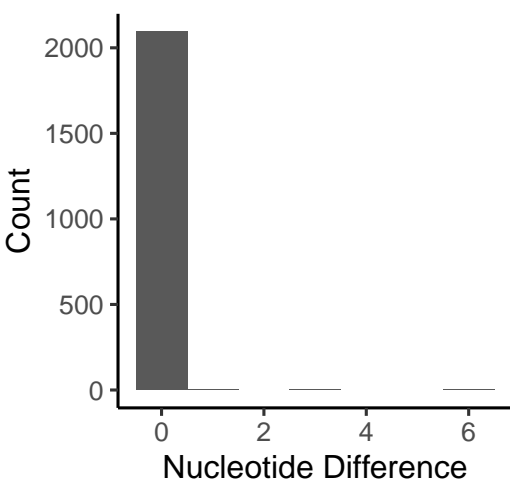
TRBV10-3*ap01

2592 sequences assigned
2581 (99.6%) exact matches, in which:
2577 unique CDR3
13 unique J



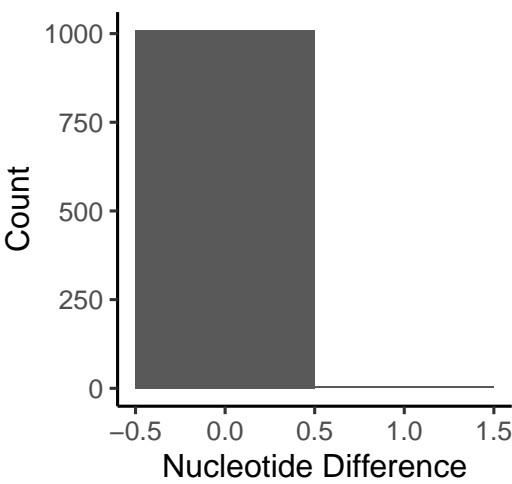
TRBV14*ap01

2098 sequences assigned
2094 (99.8%) exact matches, in which:
2092 unique CDR3
13 unique J



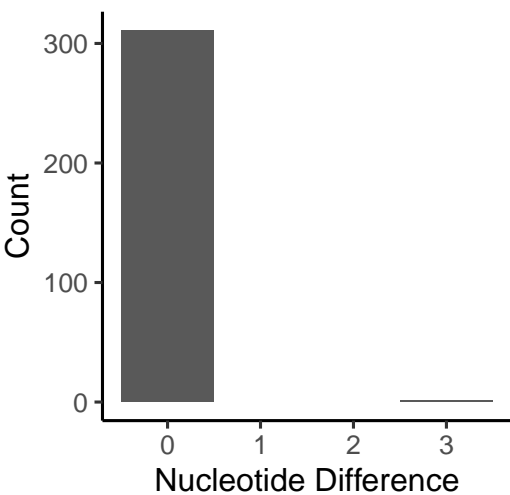
TRBV20-1*ap02

1015 sequences assigned
1010 (99.5%) exact matches, in which:
1009 unique CDR3
13 unique J



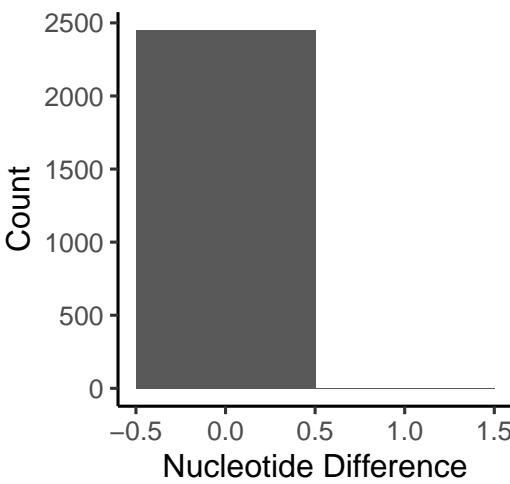
TRBV1*ap01

312 sequences assigned
311 (99.7%) exact matches, in which:
309 unique CDR3
13 unique J



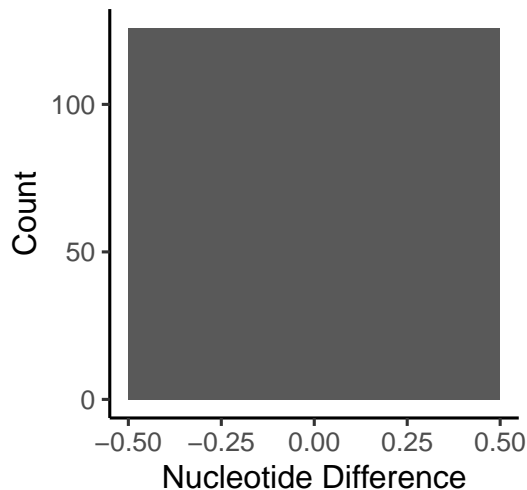
TRBV15*ap02

2455 sequences assigned
2451 (99.8%) exact matches, in which:
2443 unique CDR3
13 unique J



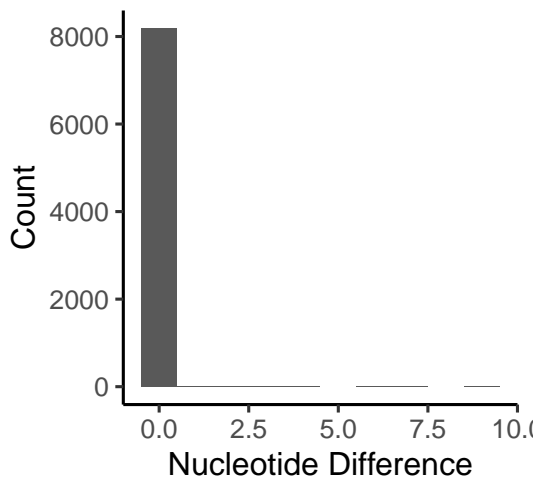
TRBV16*ap01

126 sequences assigned
126 (100%) exact matches, in which:
126 unique CDR3
12 unique J



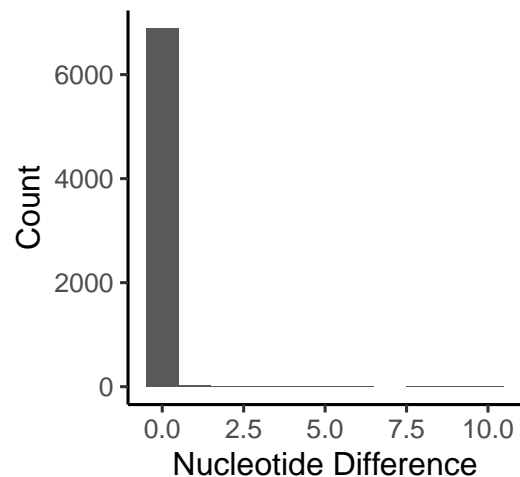
TRBV19*ap01

8209 sequences assigned
8185 (99.7%) exact matches, in which:
8179 unique CDR3
13 unique J



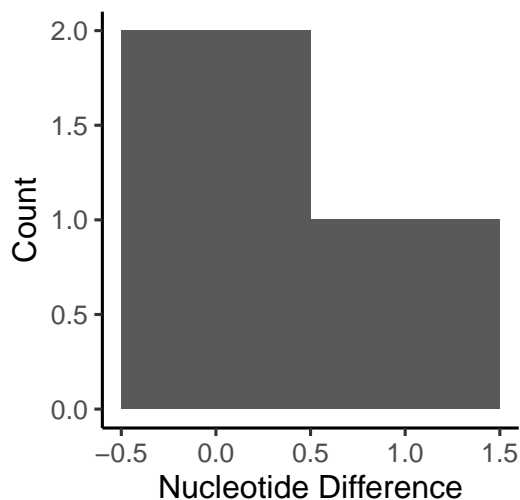
TRBV27*ap01

6928 sequences assigned
6888 (99.4%) exact matches, in which:
6873 unique CDR3
14 unique J



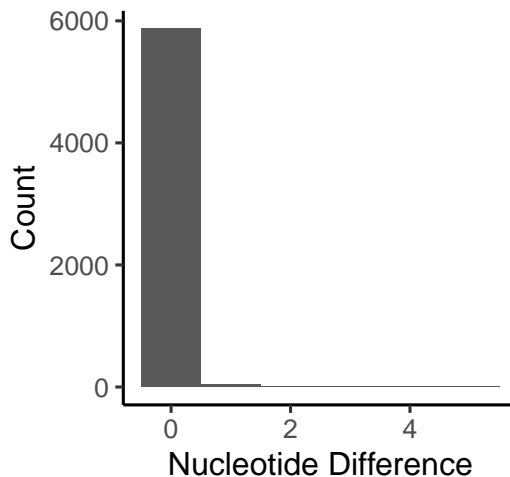
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



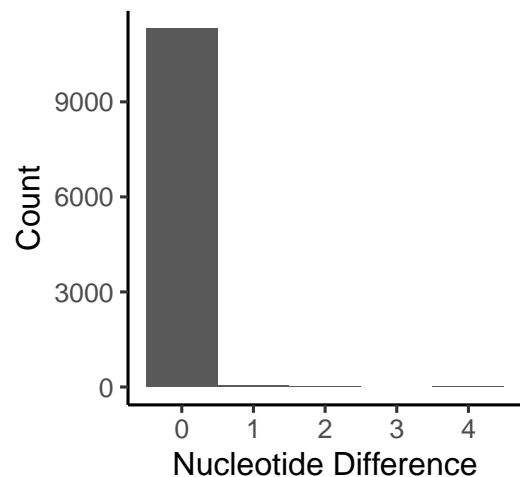
TRBV2*ap01

5912 sequences assigned
5871 (99.3%) exact matches, in which:
5859 unique CDR3
13 unique J



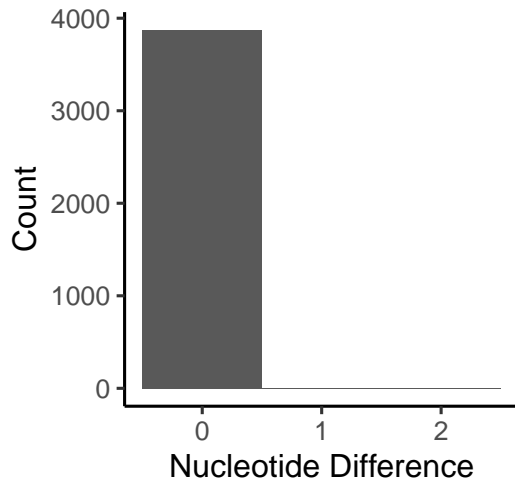
TRBV28*ap01

11344 sequences assigned
11308 (99.7%) exact matches, in which:
11280 unique CDR3
13 unique J



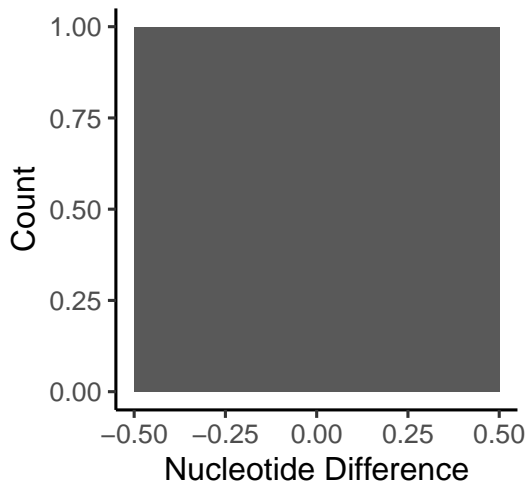
TRBV18*ap01

3876 sequences assigned
3872 (99.9%) exact matches, in which:
3864 unique CDR3
13 unique J



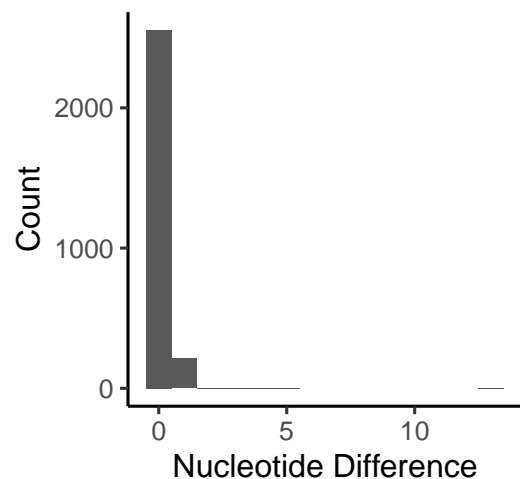
TRBV26*ap01

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



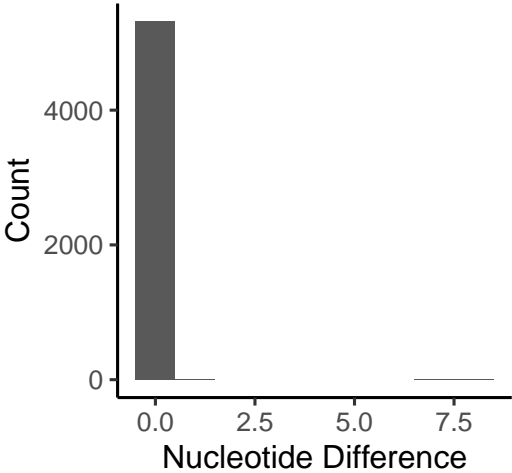
TRBV30*ap01

2774 sequences assigned
2555 (92.1%) exact matches, in which:
2549 unique CDR3
13 unique J



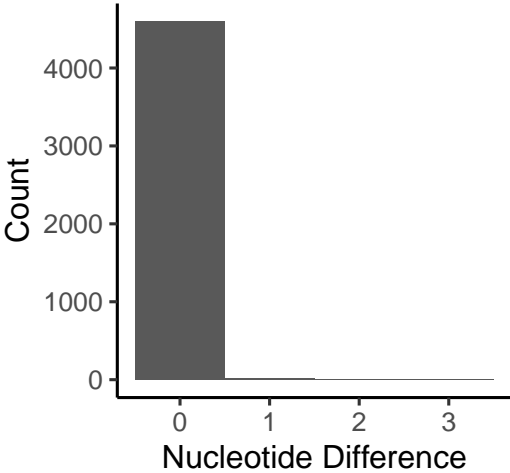
TRBV9*ap01

5335 sequences assigned
5317 (99.7%) exact matches, in which:
5295 unique CDR3
13 unique J



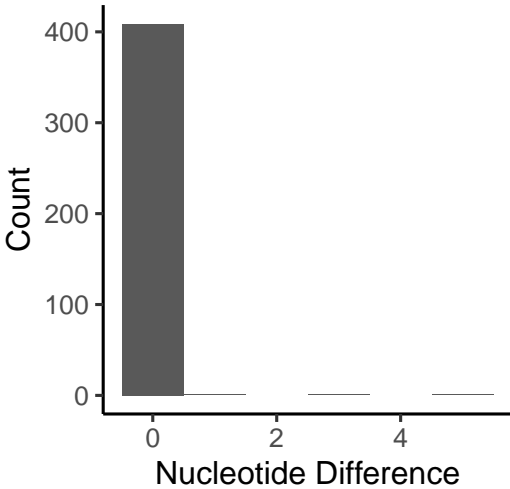
TRBV11-2*ap01

4614 sequences assigned
4598 (99.7%) exact matches, in which:
4588 unique CDR3
13 unique J



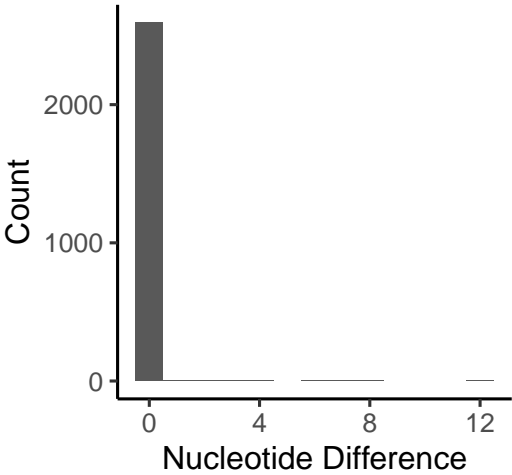
TRBV12-2*ap01

412 sequences assigned
409 (99.3%) exact matches, in which:
407 unique CDR3
13 unique J



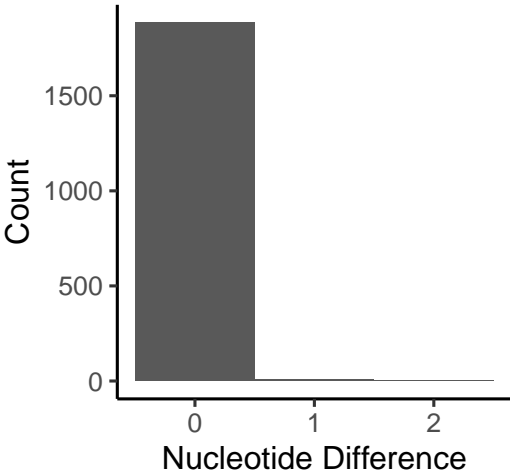
TRBV21-1*ap01

2609 sequences assigned
2593 (99.4%) exact matches, in which:
2592 unique CDR3
13 unique J



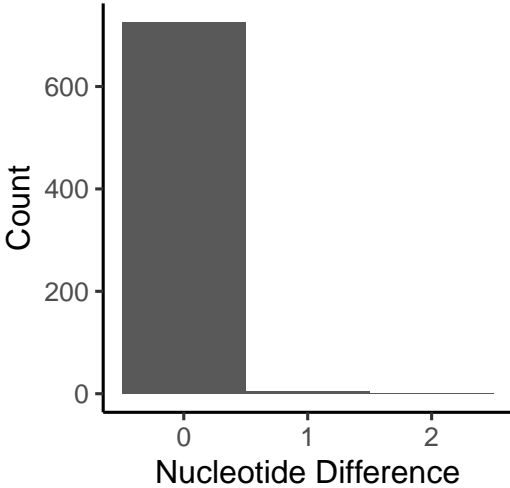
TRBV11-3*ap01

1891 sequences assigned
1884 (99.6%) exact matches, in which:
1883 unique CDR3
13 unique J



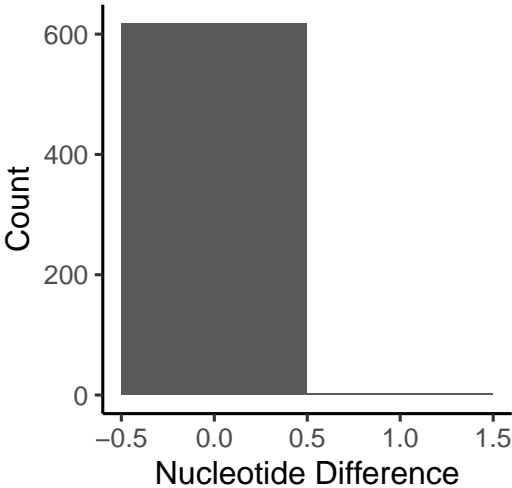
TRBV12-5*ap01

731 sequences assigned
726 (99.3%) exact matches, in which:
724 unique CDR3
13 unique J



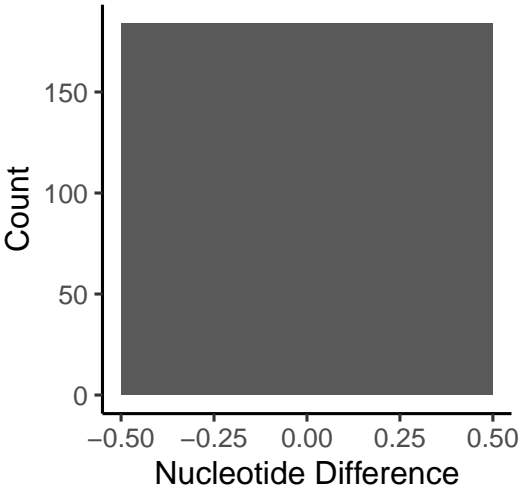
TRBV11-1*ap01

620 sequences assigned
618 (99.7%) exact matches, in which:
617 unique CDR3
13 unique J



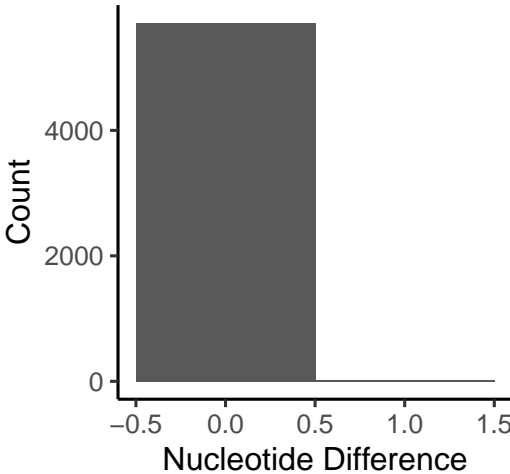
TRBV12-1*ap01

184 sequences assigned
184 (100%) exact matches, in which:
184 unique CDR3
13 unique J



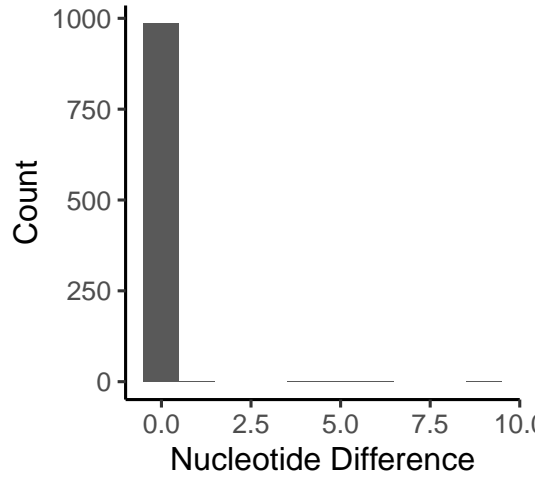
TRBV12-34*ap01

5732 sequences assigned
5711 (99.6%) exact matches, in which:
5700 unique CDR3
13 unique J



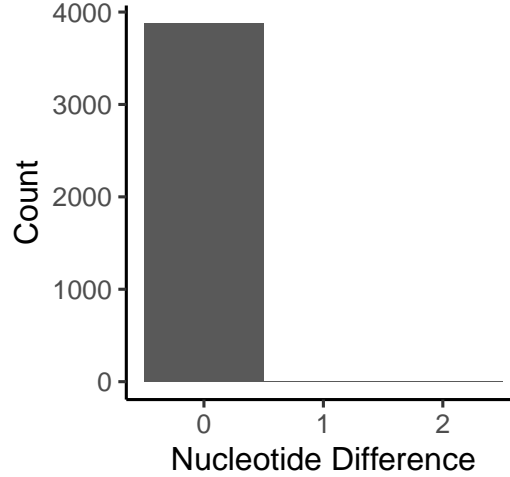
TRBV23-1*ap01

991 sequences assigned
986 (99.5%) exact matches, in which:
986 unique CDR3
13 unique J



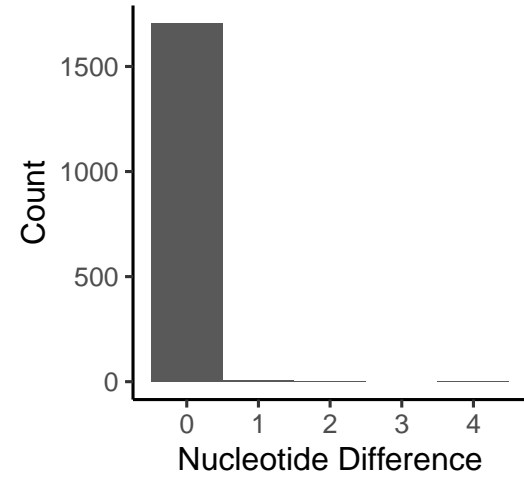
TRBV4-1*ap01

3885 sequences assigned
3877 (99.8%) exact matches, in which:
3865 unique CDR3
13 unique J



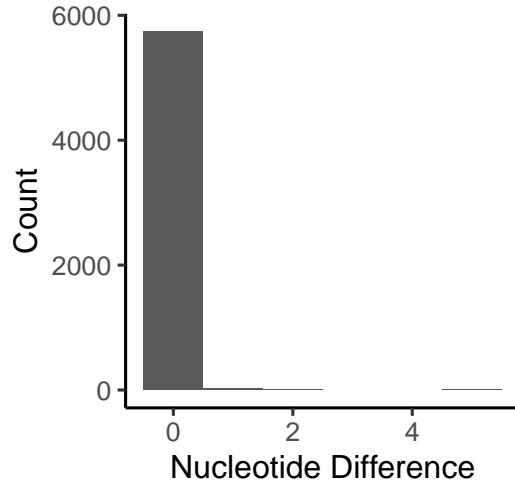
TRBV25-1*ap01

1716 sequences assigned
1705 (99.4%) exact matches, in which:
1705 unique CDR3
13 unique J



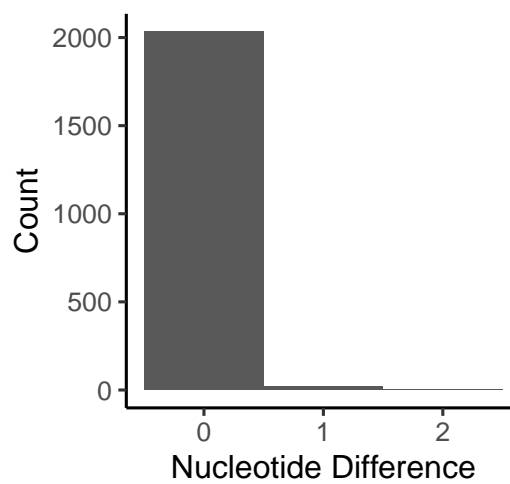
TRBV3-12*ap01

5769 sequences assigned
5737 (99.4%) exact matches, in which:
5731 unique CDR3
13 unique J



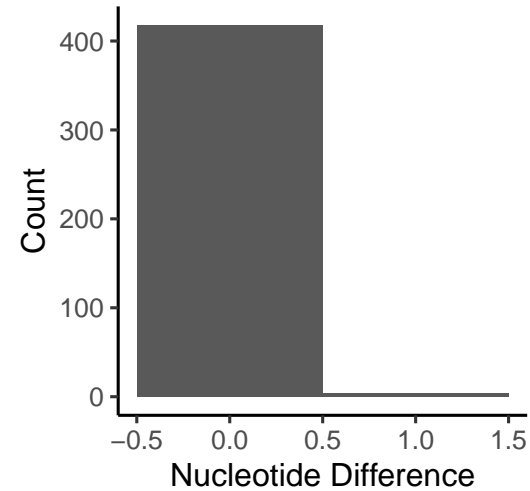
TRBV4-2*ap01

2056 sequences assigned
2033 (98.9%) exact matches, in which:
2027 unique CDR3
13 unique J



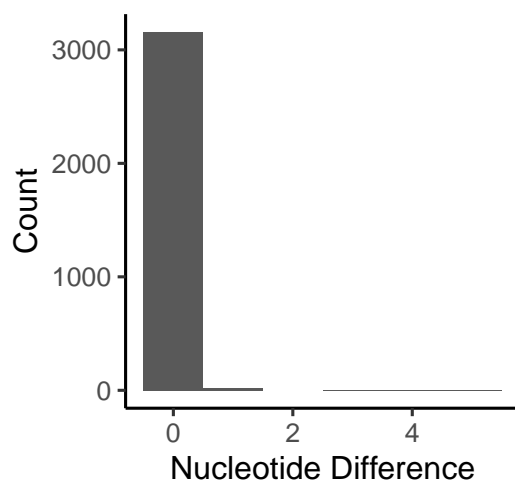
TRBV5-3*ap01

422 sequences assigned
418 (99.1%) exact matches, in which:
417 unique CDR3
13 unique J



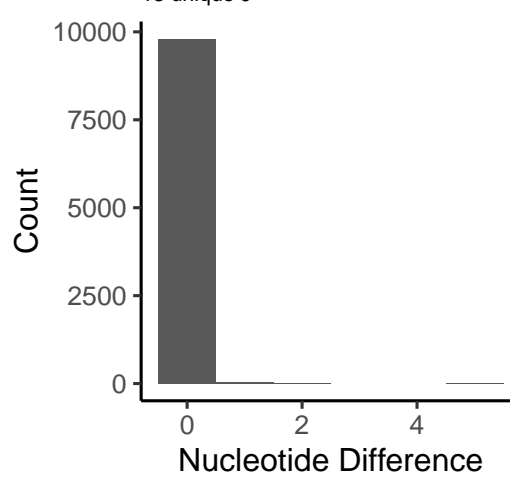
TRBV24-1*ap01

3180 sequences assigned
3157 (99.3%) exact matches, in which:
3152 unique CDR3
13 unique J



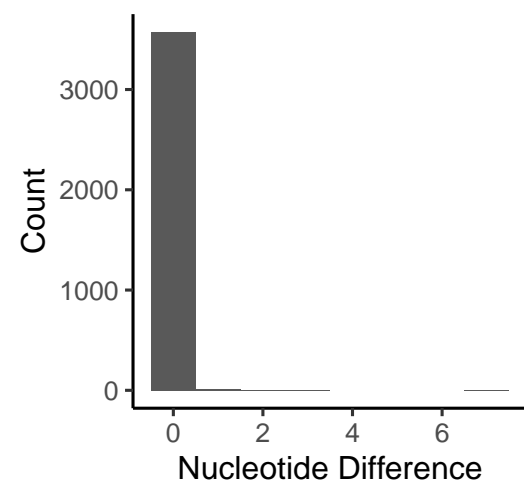
TRBV5-1*ap01

9848 sequences assigned
9803 (99.5%) exact matches, in which:
9727 unique CDR3
13 unique J



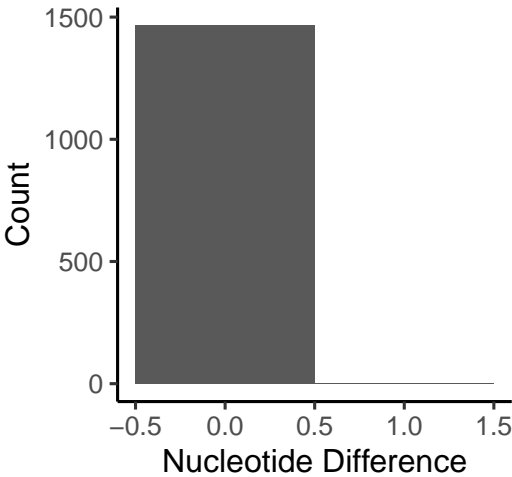
TRBV5-4*ap01

3587 sequences assigned
3573 (99.6%) exact matches, in which:
3563 unique CDR3
13 unique J



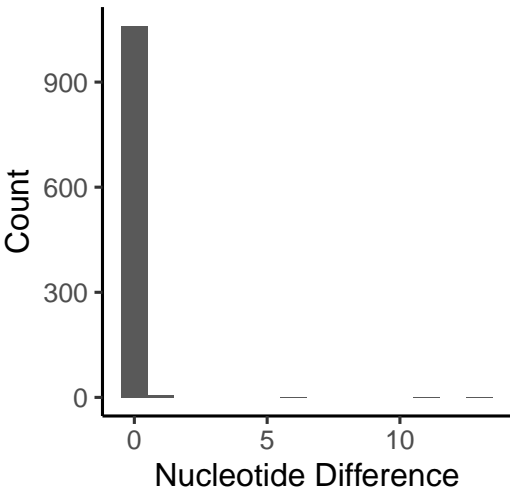
TRBV5-5*ap01

1470 sequences assigned
1466 (99.7%) exact matches, in which:
1464 unique CDR3
13 unique J



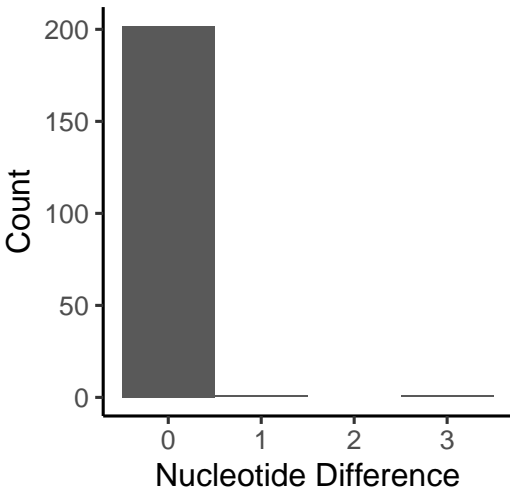
TRBV5-8*ap01

1070 sequences assigned
1061 (99.2%) exact matches, in which:
1060 unique CDR3
13 unique J



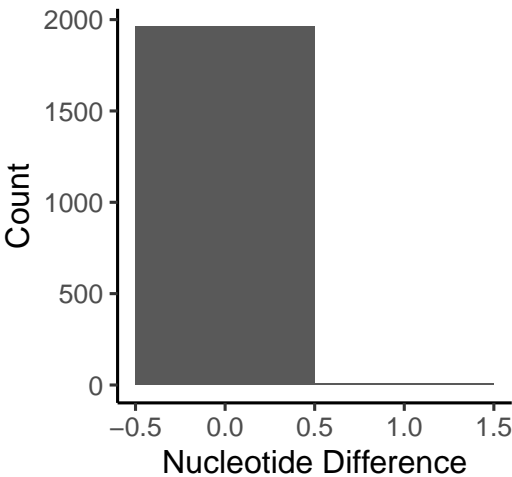
TRBV6-7*ap01

204 sequences assigned
202 (99%) exact matches, in which:
202 unique CDR3
13 unique J



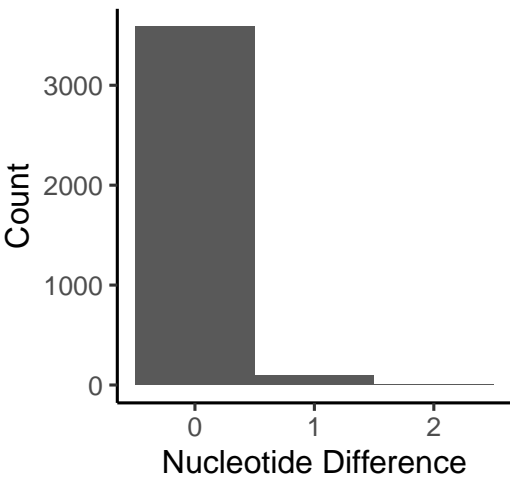
TRBV5-6*ap01

1967 sequences assigned
1961 (99.7%) exact matches, in which:
1951 unique CDR3
13 unique J



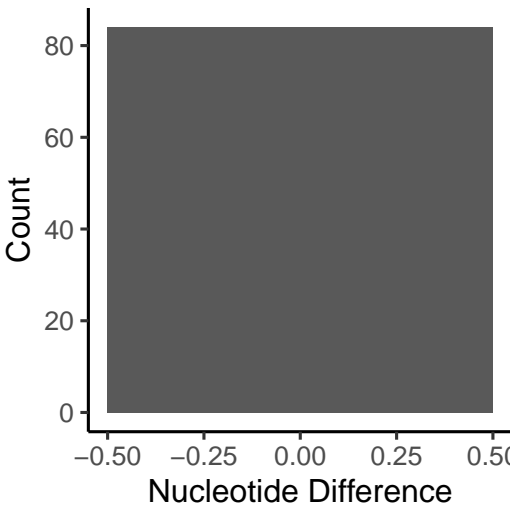
TRBV6-1*ap01

3680 sequences assigned
3586 (97.4%) exact matches, in which:
3575 unique CDR3
13 unique J



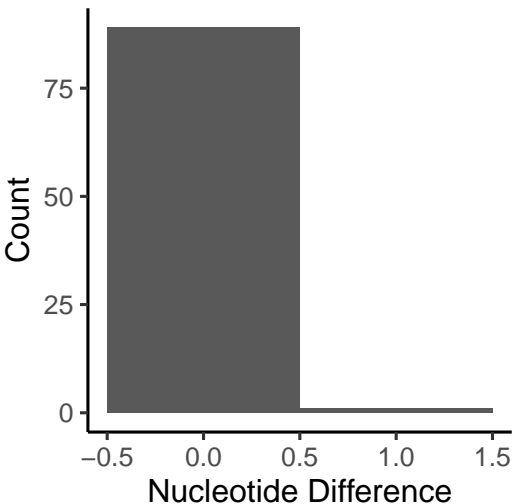
TRBV6-8*ap01

84 sequences assigned
84 (100%) exact matches, in which:
84 unique CDR3
13 unique J



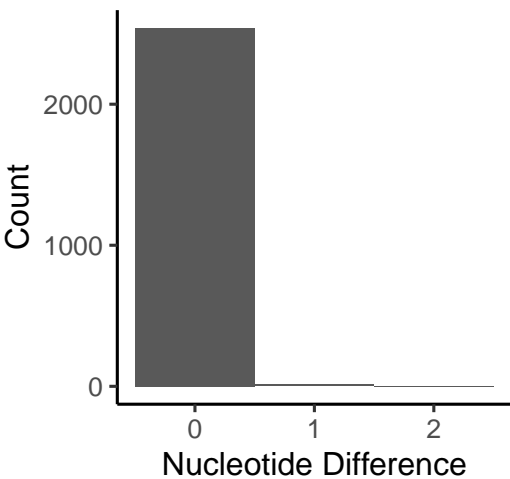
TRBV5-7*ap01

90 sequences assigned
89 (98.9%) exact matches, in which:
89 unique CDR3
13 unique J



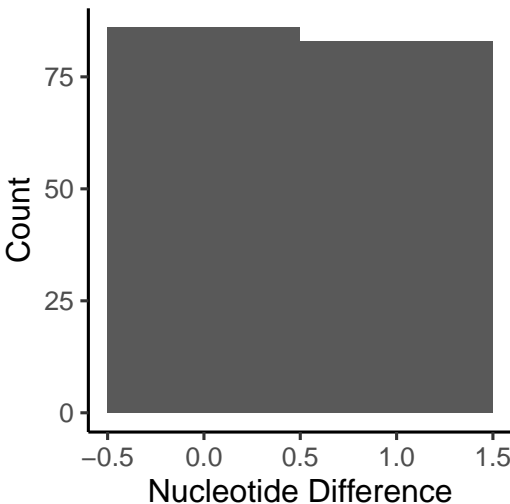
TRBV6-4*ap01

2555 sequences assigned
2540 (99.4%) exact matches, in which:
2534 unique CDR3
13 unique J



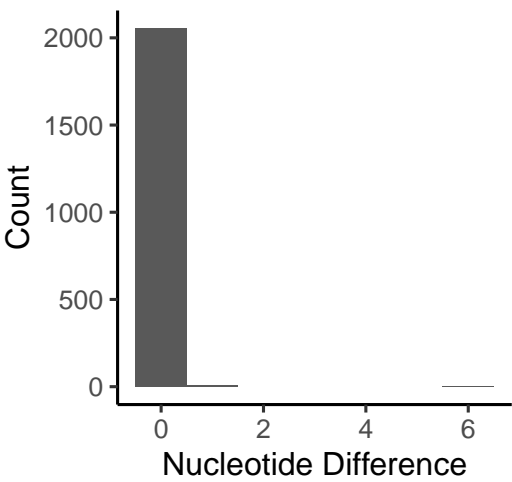
TRBV6-9*ap01

169 sequences assigned
86 (50.9%) exact matches, in which:
85 unique CDR3
12 unique J



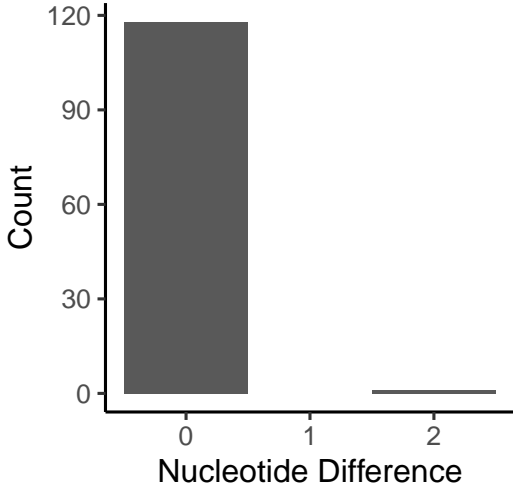
TRBV6-23*ap01

2065 sequences assigned
2054 (99.5%) exact matches, in which:
2047 unique CDR3
13 unique J



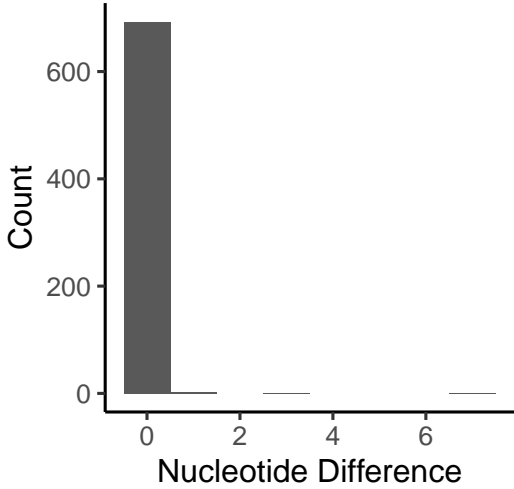
TRBV7-1*ap01_G291C_

119 sequences assigned
118 (99.2%) exact matches, in which:
118 unique CDR3
13 unique J



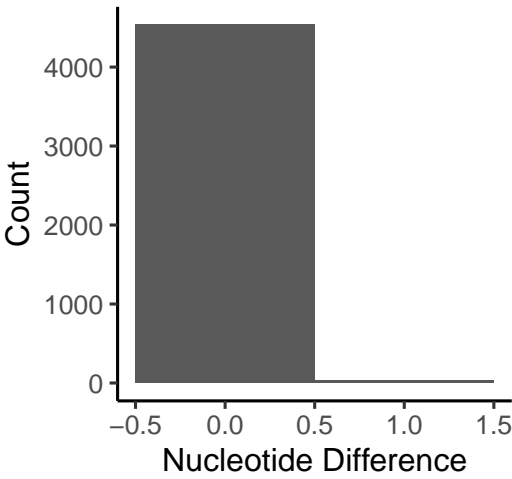
TRBV7-3*ap03

697 sequences assigned
693 (99.4%) exact matches, in which:
692 unique CDR3
13 unique J



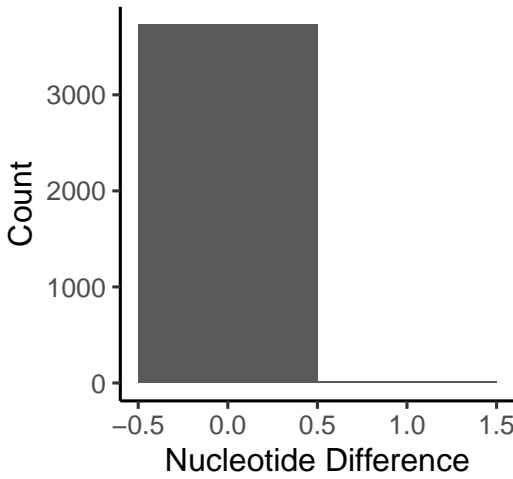
TRBV6-56*ap01

4563 sequences assigned
4536 (99.4%) exact matches, in which:
4527 unique CDR3
13 unique J



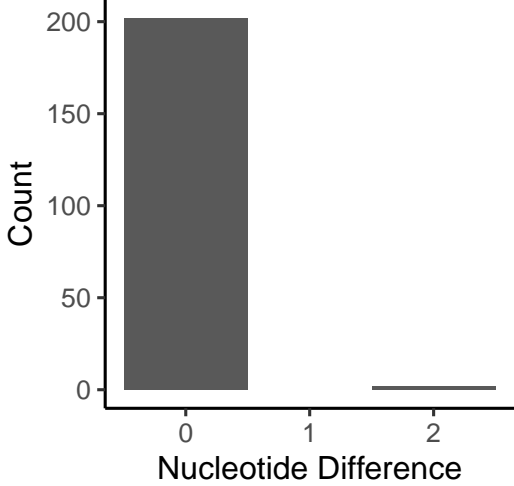
TRBV7-2*ap01

3742 sequences assigned
3730 (99.7%) exact matches, in which:
3721 unique CDR3
13 unique J



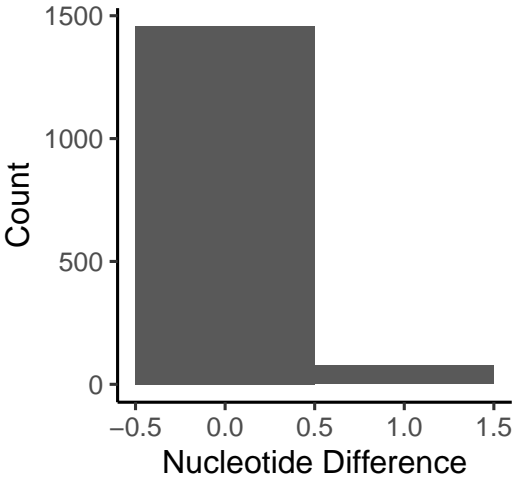
TRBV7-4*ap01

204 sequences assigned
202 (99%) exact matches, in which:
201 unique CDR3
13 unique J



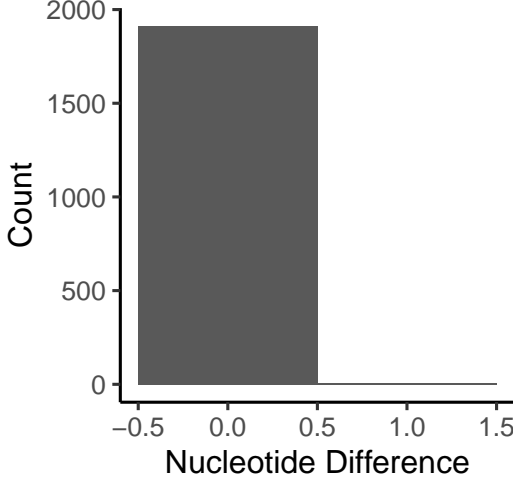
TRBV6-56*ap02

1534 sequences assigned
1458 (95%) exact matches, in which:
1455 unique CDR3
13 unique J



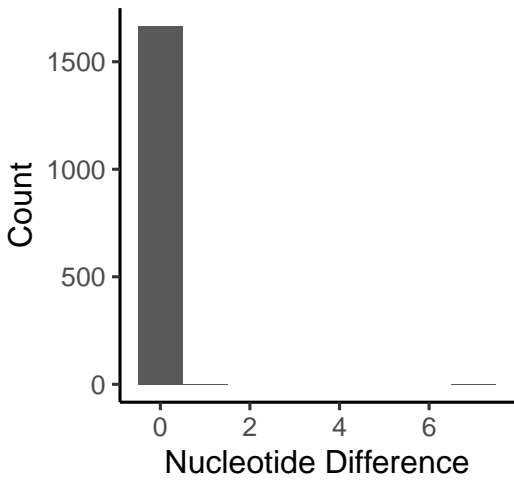
TRBV7-3*ap01

1918 sequences assigned
1912 (99.7%) exact matches, in which:
1903 unique CDR3
13 unique J



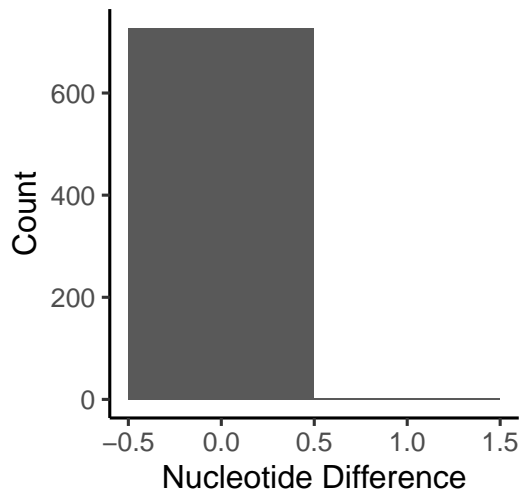
TRBV7-6*ap01

1669 sequences assigned
1666 (99.8%) exact matches, in which:
1660 unique CDR3
13 unique J



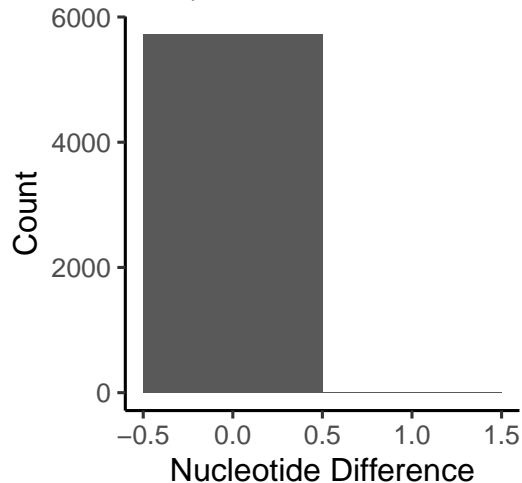
TRBV7-7*ap01_C315T

731 sequences assigned
728 (99.6%) exact matches, in which:
727 unique CDR3
13 unique J



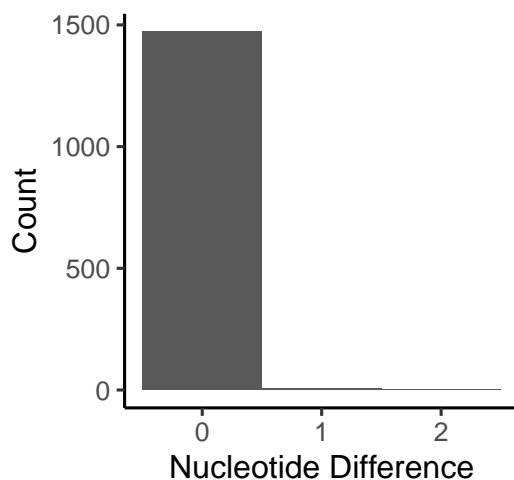
TRBV7-9*ap01

5732 sequences assigned
5722 (99.8%) exact matches, in which:
5715 unique CDR3
13 unique J



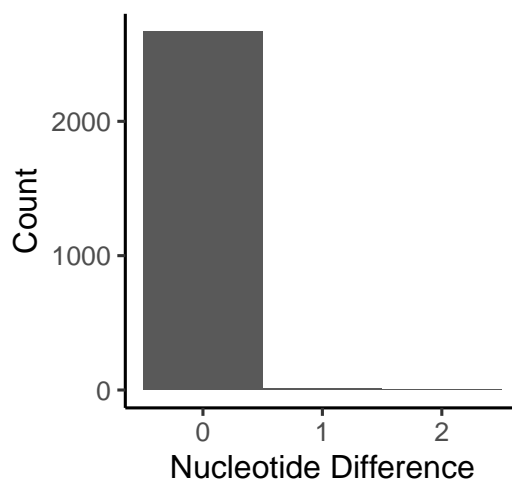
TRBV7-8*ap01

1479 sequences assigned
1472 (99.5%) exact matches, in which:
1468 unique CDR3
13 unique J



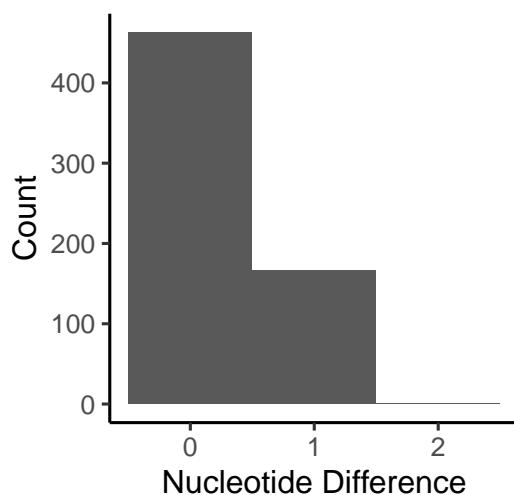
TRBV29-1*ap01

2678 sequences assigned
2667 (99.6%) exact matches, in which:
2661 unique CDR3
13 unique J



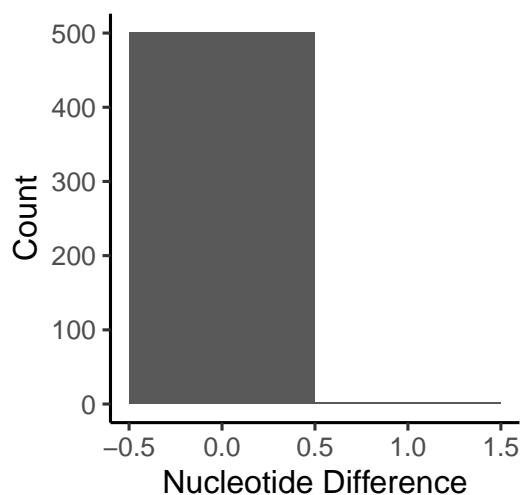
TRBV7-8*ap03

630 sequences assigned
463 (73.5%) exact matches, in which:
463 unique CDR3
13 unique J

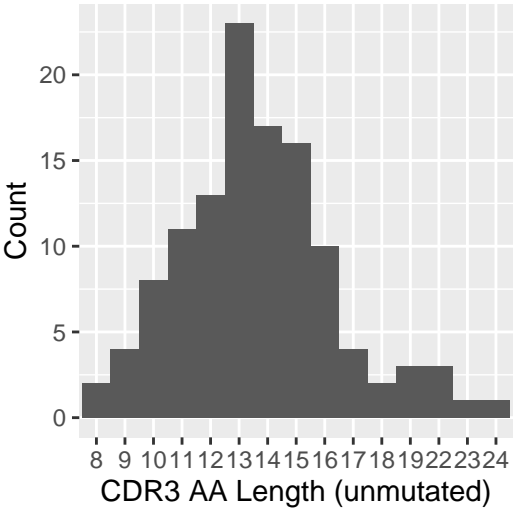


TRBV29-1*ap02

503 sequences assigned
501 (99.6%) exact matches, in which:
501 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

