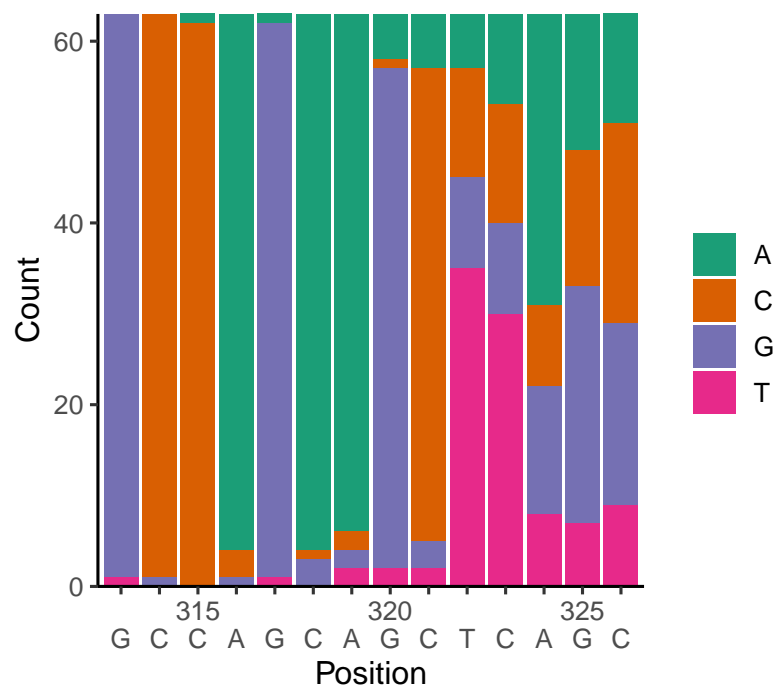
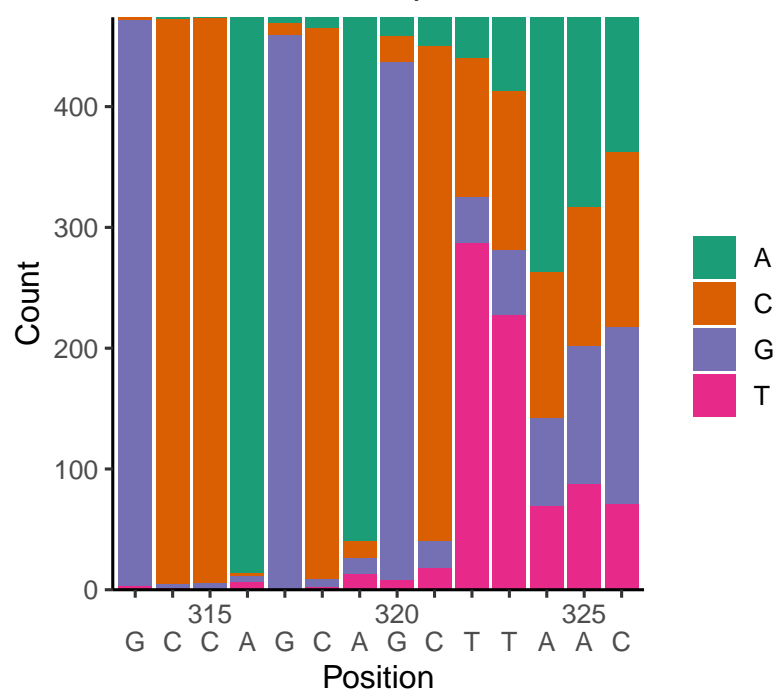


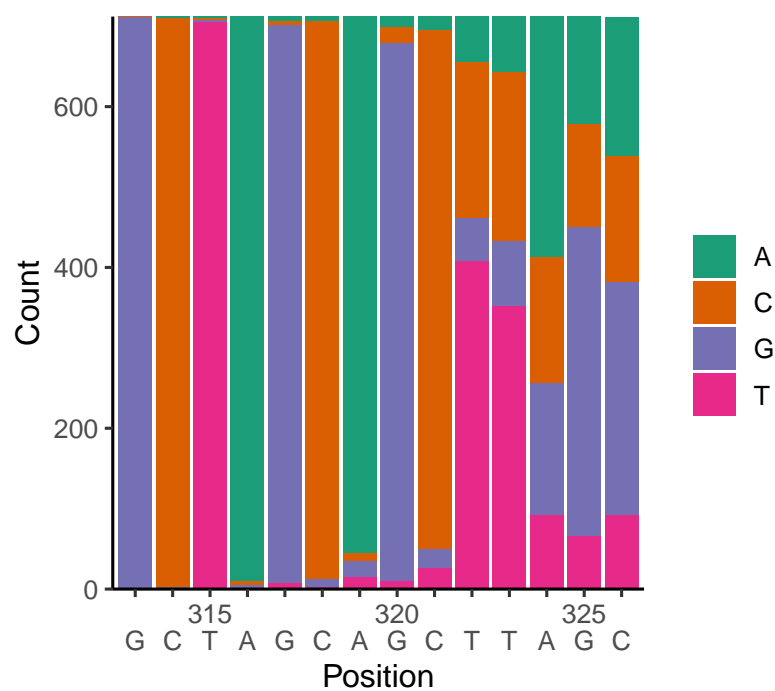
Gene TRBV7-1*ap01_G291C_T296C



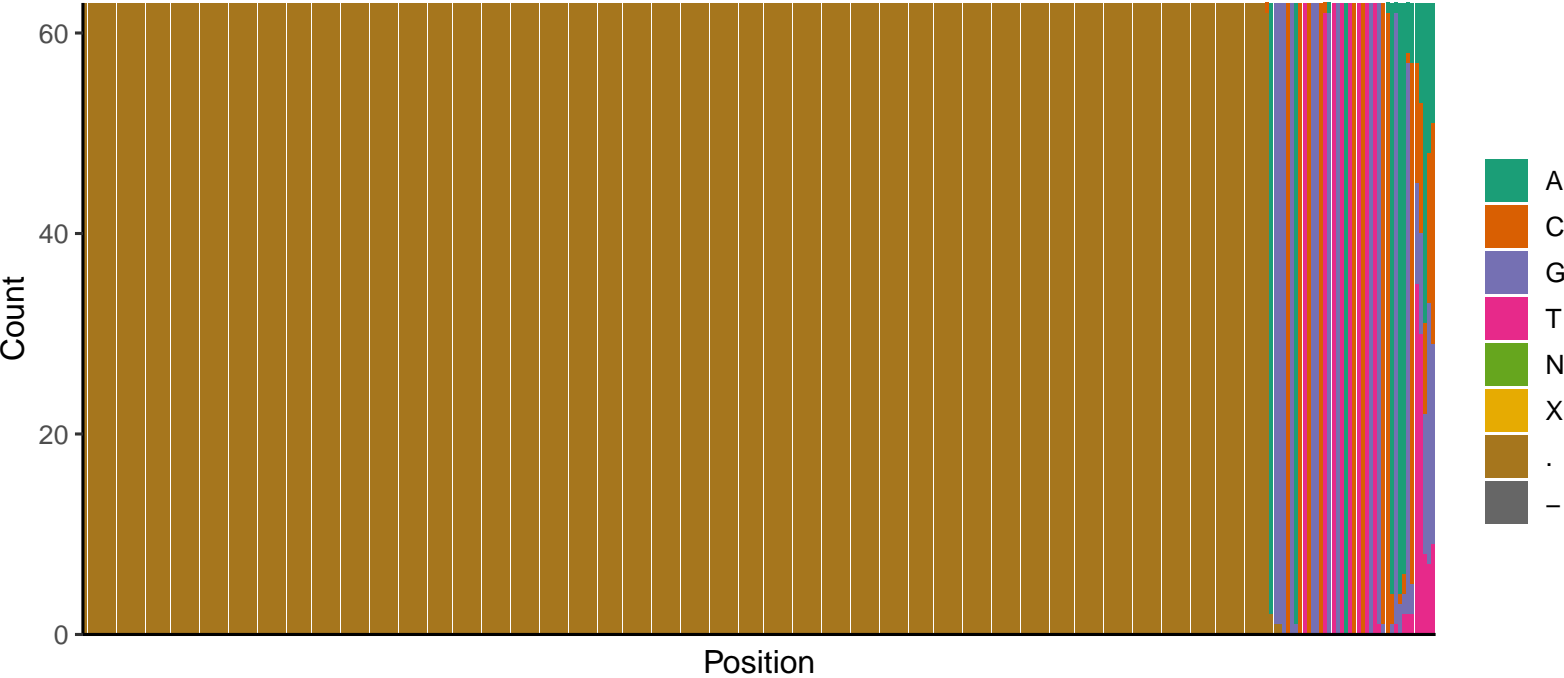
Gene TRBV7-3*ap01_G292T



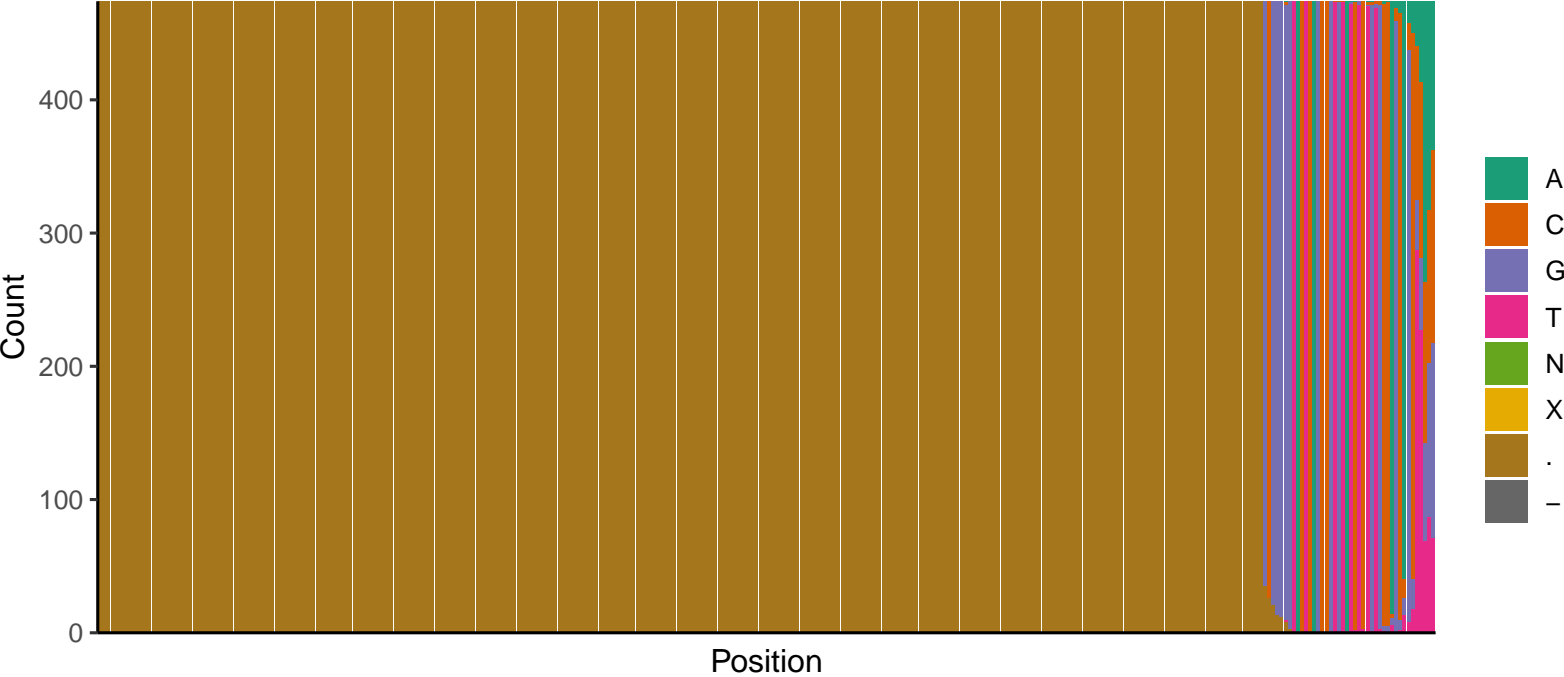
Gene TRBV7-7*ap01_C315T



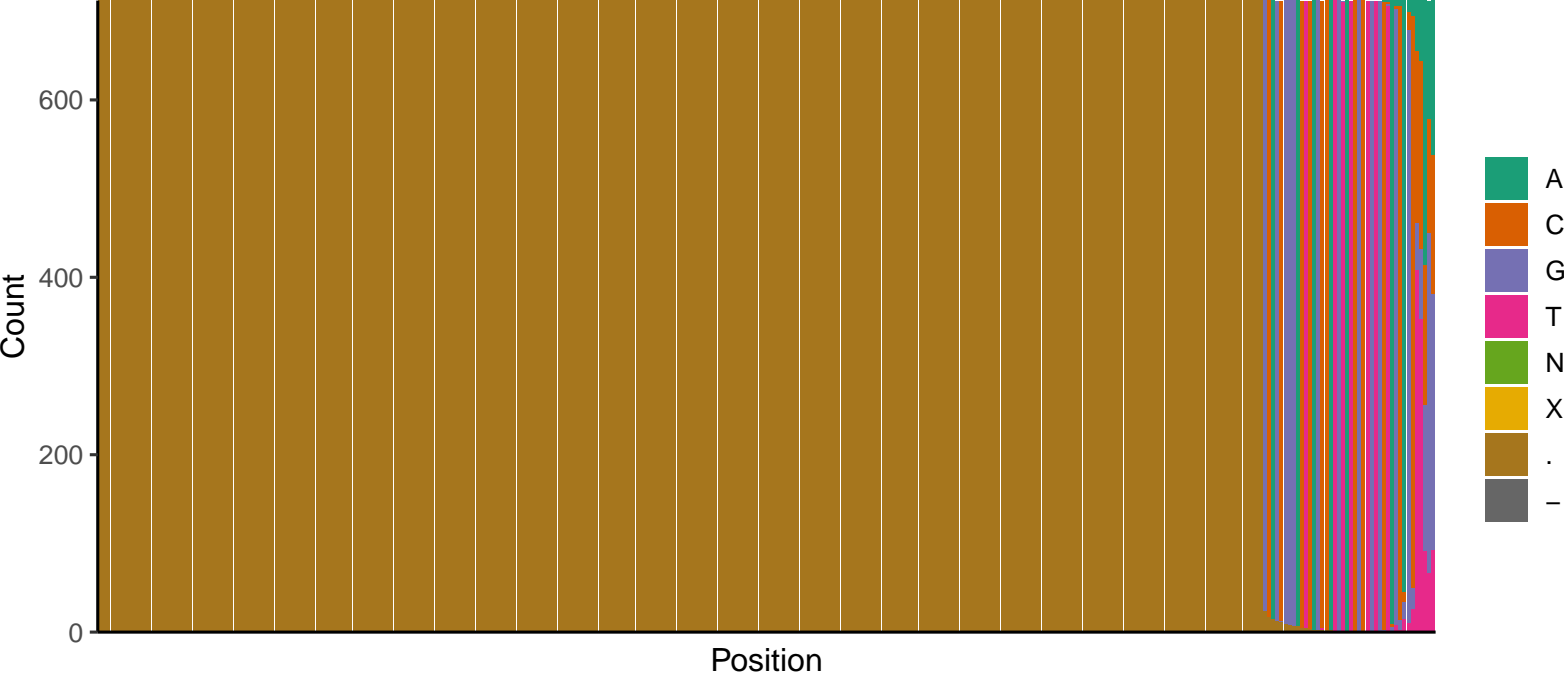
Gene TRBV7-1*ap01_G291C_T296C



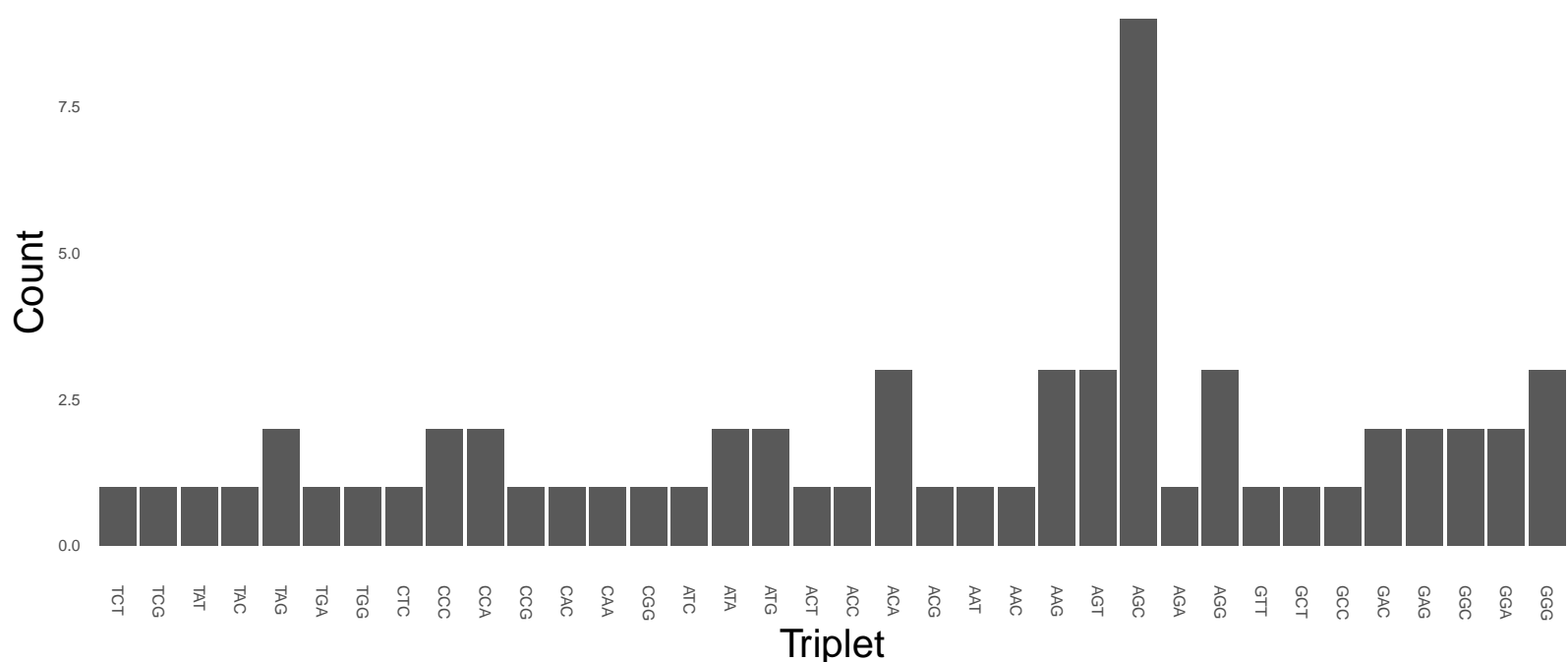
Gene TRBV7-3*ap01_G292T



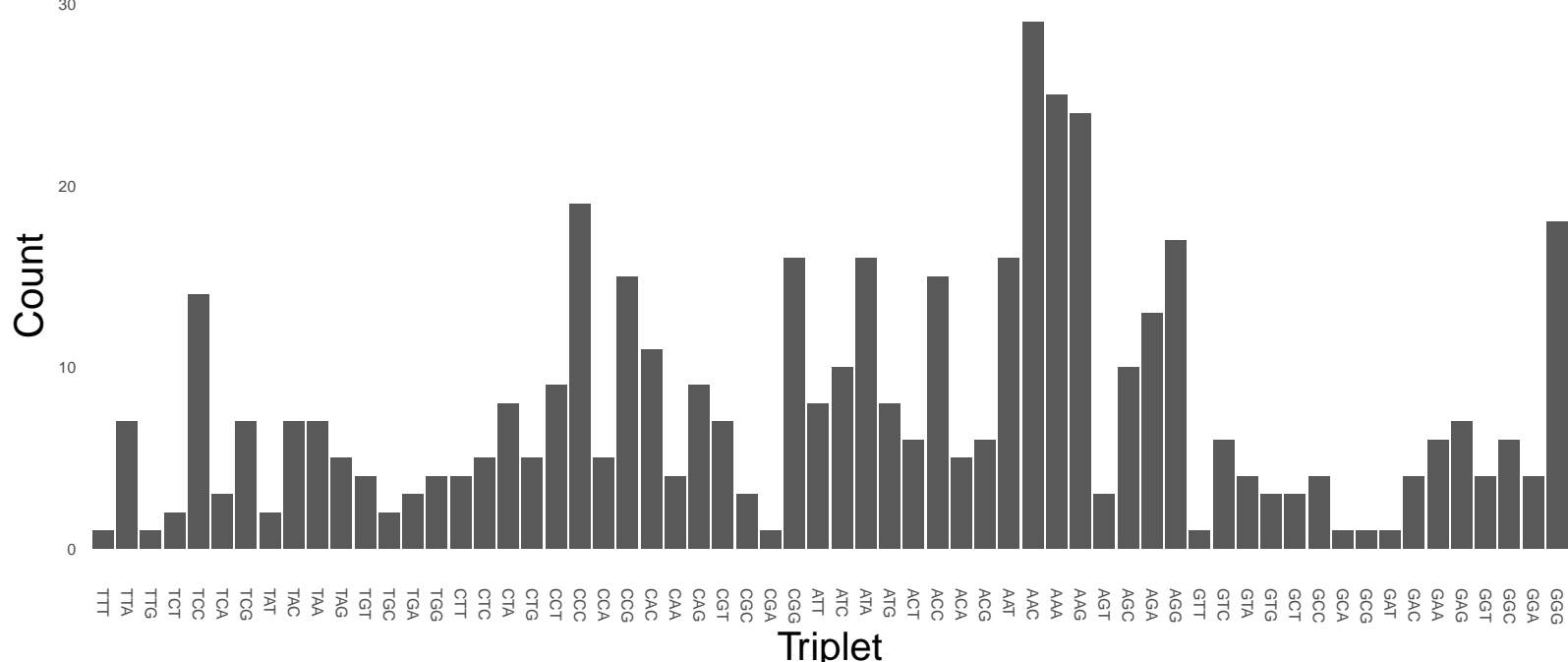
Gene TRBV7-7*ap01_C315T



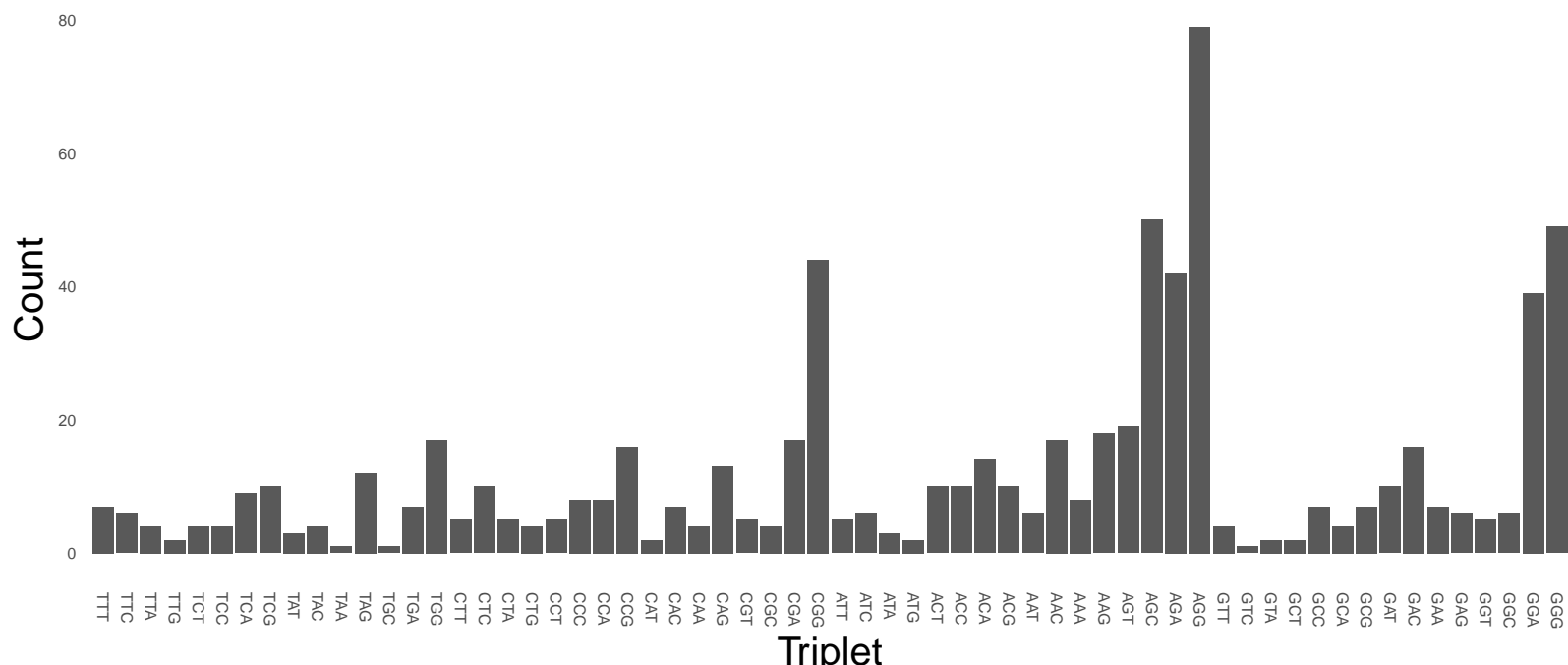
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

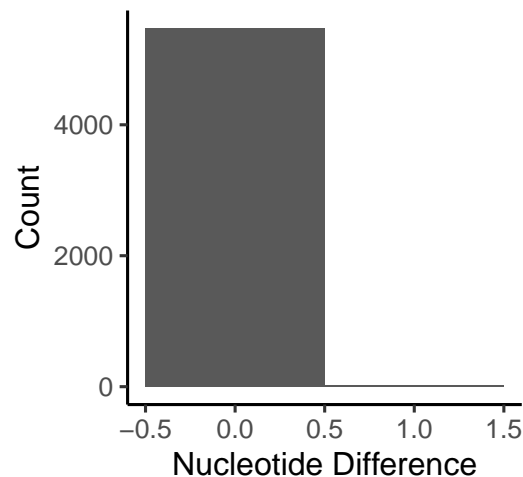


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



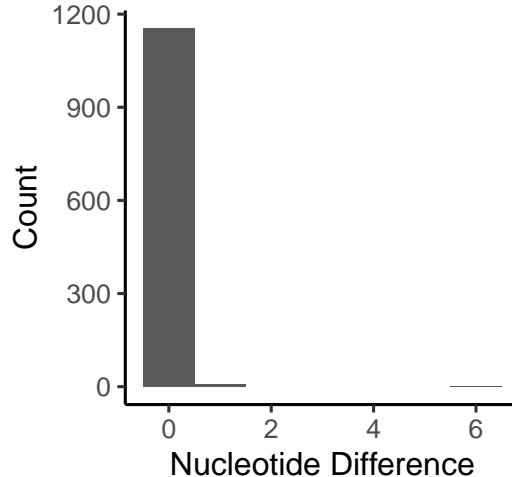
TRBV20–1*ap01

5502 sequences assigned
5472 (99.5%) exact matches, in which:
5426 unique CDR3
13 unique J



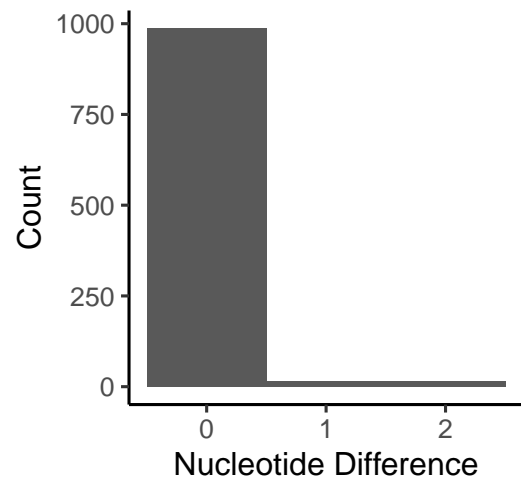
TRBV10–2*ap01

1162 sequences assigned
1154 (99.3%) exact matches, in which:
1149 unique CDR3
13 unique J



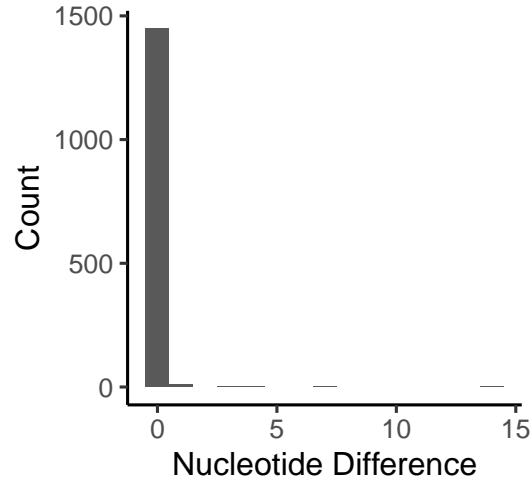
TRBV13*ap01

1017 sequences assigned
987 (97.1%) exact matches, in which:
976 unique CDR3
13 unique J



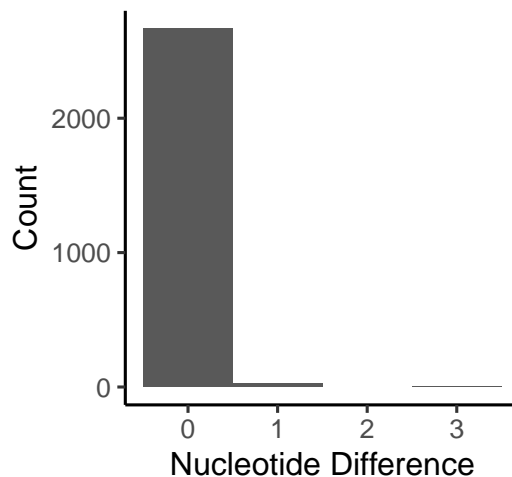
TRBV10–1*ap01

1461 sequences assigned
1448 (99.1%) exact matches, in which:
1435 unique CDR3
13 unique J



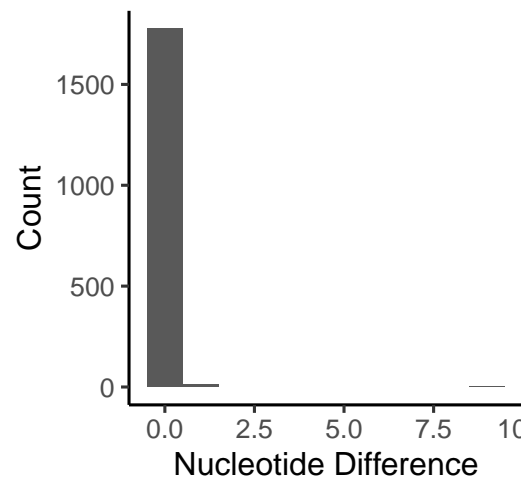
TRBV10–3*ap01

2694 sequences assigned
2666 (99%) exact matches, in which:
2646 unique CDR3
13 unique J



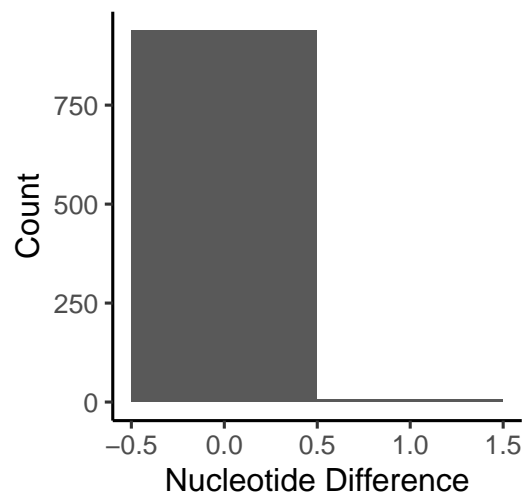
TRBV14*ap01

1788 sequences assigned
1776 (99.3%) exact matches, in which:
1768 unique CDR3
13 unique J



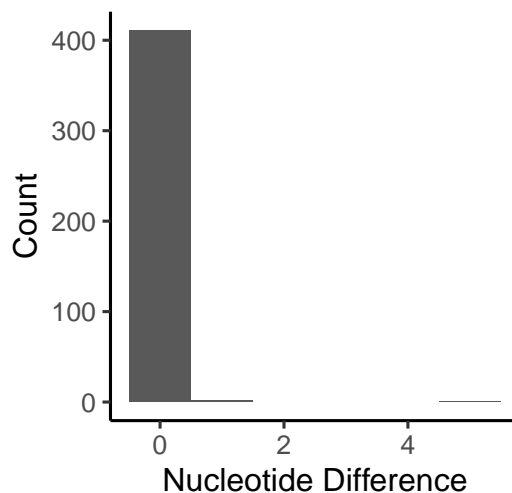
TRBV20–1*ap02

945 sequences assigned
939 (99.4%) exact matches, in which:
928 unique CDR3
13 unique J



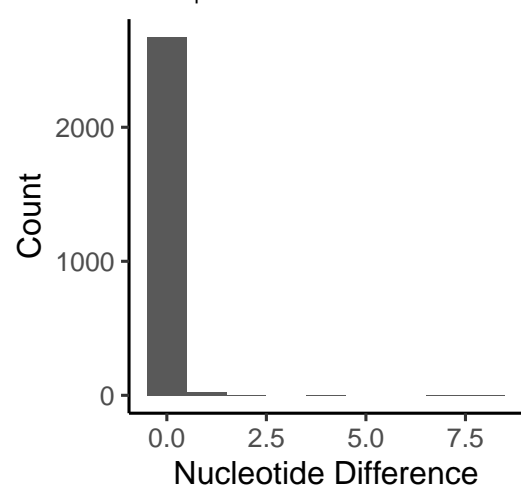
TRBV1*ap01

414 sequences assigned
411 (99.3%) exact matches, in which:
403 unique CDR3
13 unique J



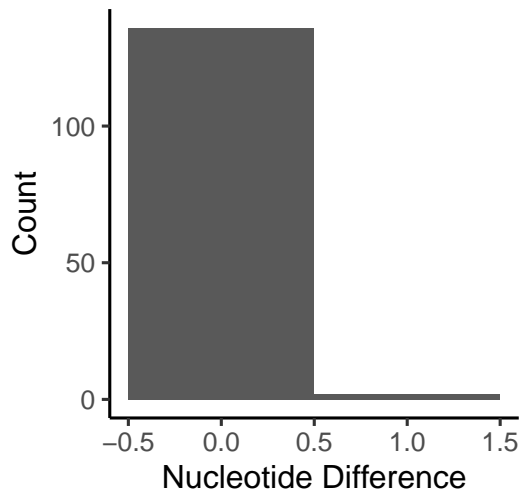
TRBV15*ap02

2704 sequences assigned
2673 (98.9%) exact matches, in which:
2650 unique CDR3
13 unique J



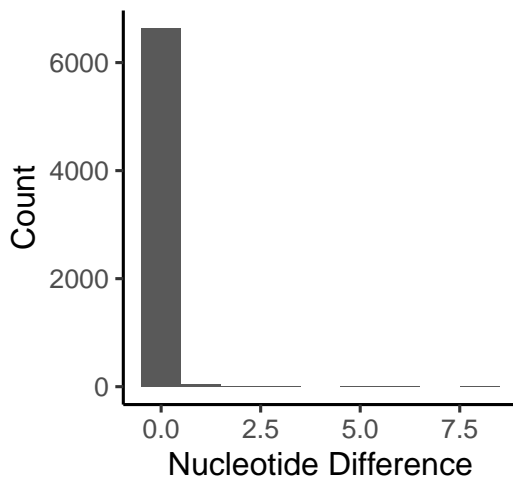
TRBV16*ap01

138 sequences assigned
136 (98.6%) exact matches, in which:
136 unique CDR3
12 unique J



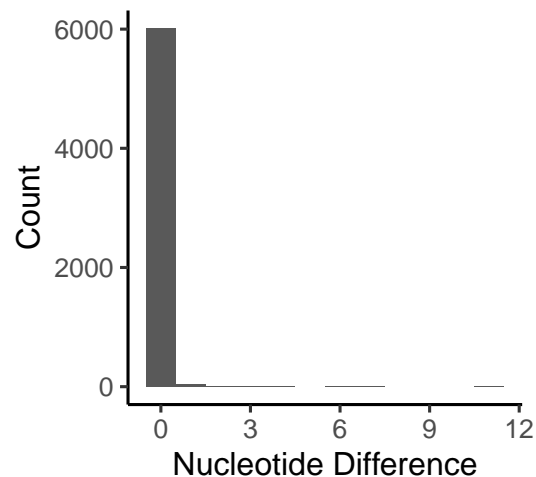
TRBV19*ap01

6696 sequences assigned
6633 (99.1%) exact matches, in which:
6612 unique CDR3
13 unique J



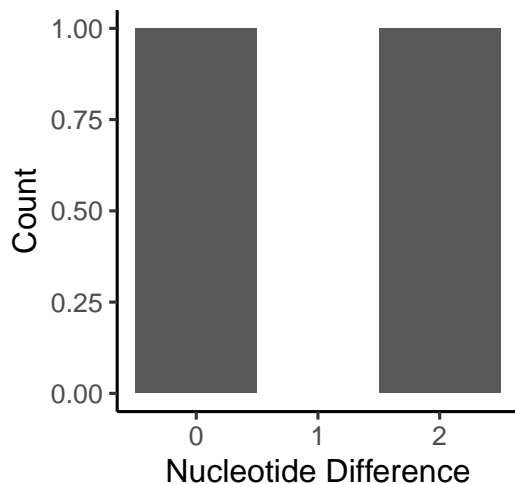
TRBV27*ap01

6054 sequences assigned
6012 (99.3%) exact matches, in which:
5962 unique CDR3
13 unique J



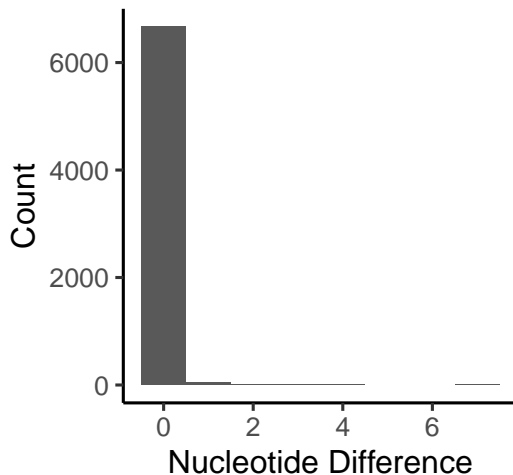
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



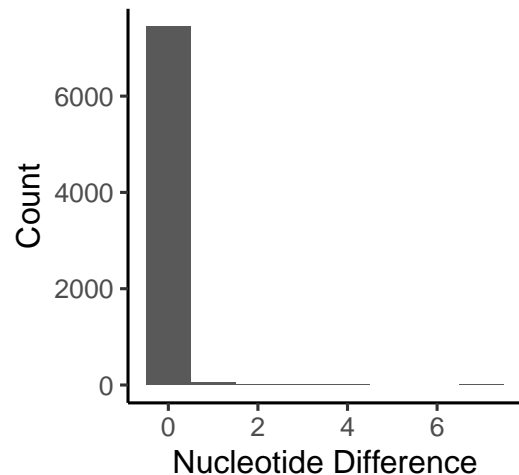
TRBV2*ap01

6717 sequences assigned
6667 (99.3%) exact matches, in which:
6598 unique CDR3
13 unique J



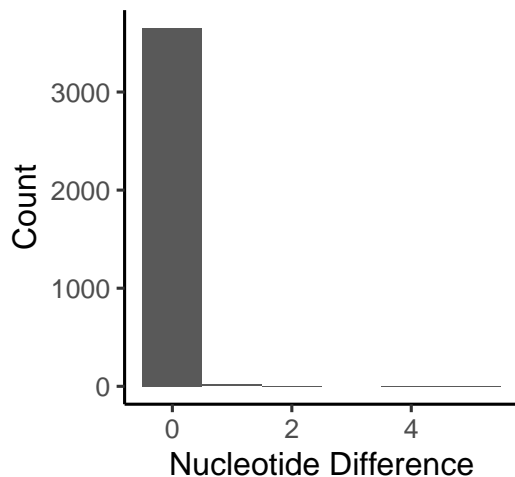
TRBV28*ap01

7502 sequences assigned
7441 (99.2%) exact matches, in which:
7394 unique CDR3
13 unique J



TRBV18*ap01

3673 sequences assigned
3652 (99.4%) exact matches, in which:
3632 unique CDR3
13 unique J



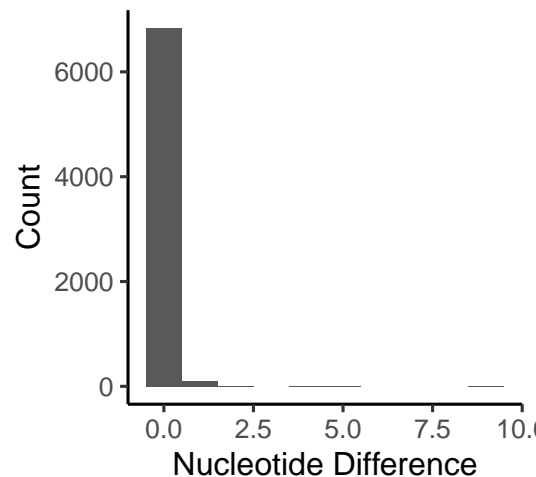
TRBV26*ap01

1 sequences assigned
No exact matches.



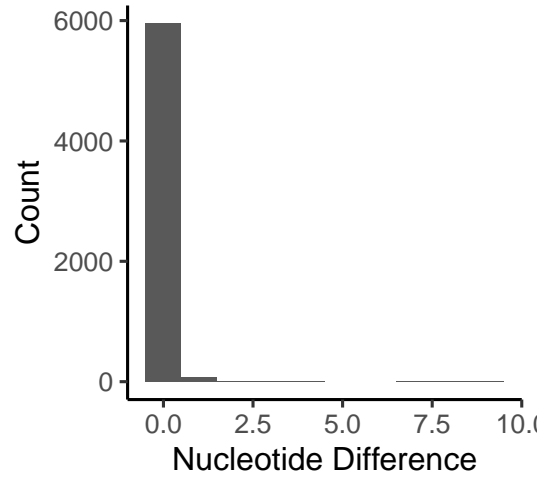
TRBV30*ap01

6946 sequences assigned
6836 (98.4%) exact matches, in which:
6717 unique CDR3
13 unique J



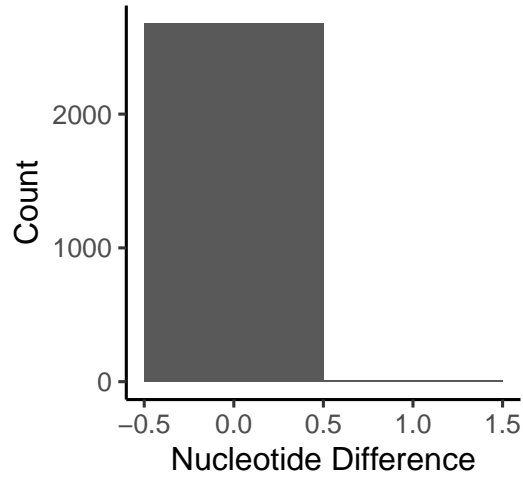
TRBV9*ap01

6033 sequences assigned
5953 (98.7%) exact matches, in which:
5915 unique CDR3
13 unique J



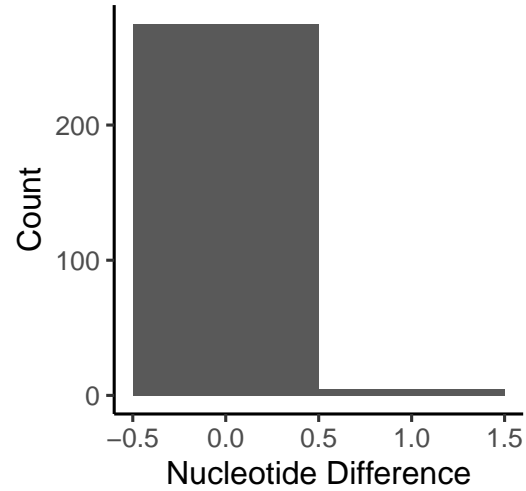
TRBV11-2*ap01

2690 sequences assigned
2678 (99.6%) exact matches, in which:
2666 unique CDR3
13 unique J



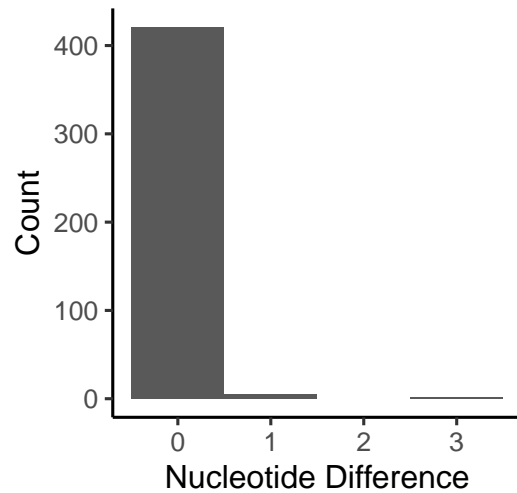
TRBV12-2*ap01

280 sequences assigned
275 (98.2%) exact matches, in which:
272 unique CDR3
13 unique J



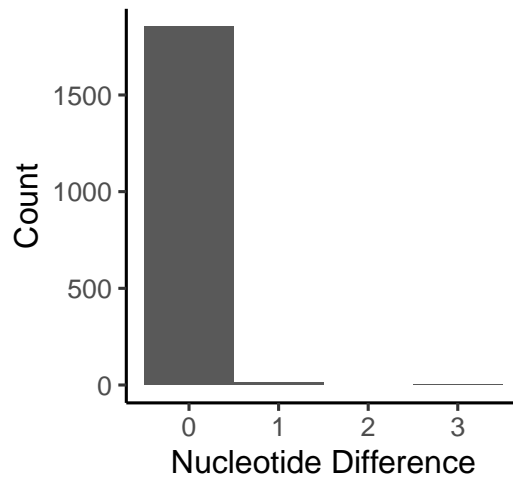
TRBV11-1*ap01

428 sequences assigned
421 (98.4%) exact matches, in which:
418 unique CDR3
13 unique J



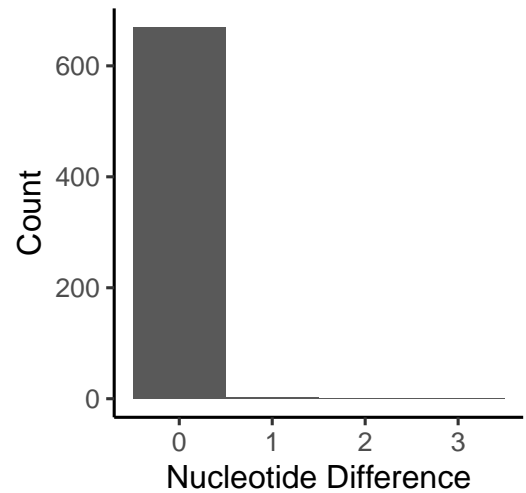
TRBV11-3*ap01

1865 sequences assigned
1853 (99.4%) exact matches, in which:
1841 unique CDR3
13 unique J



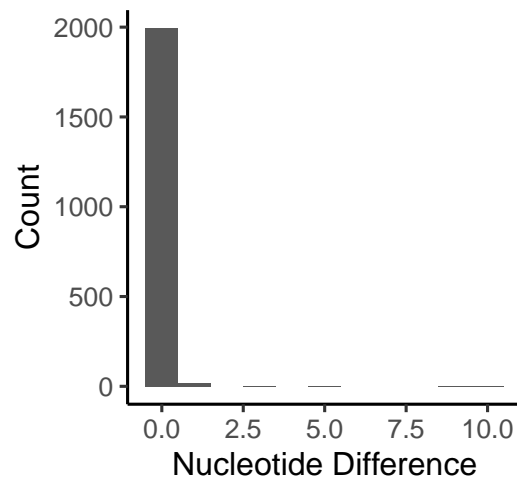
TRBV12-5*ap01

675 sequences assigned
670 (99.3%) exact matches, in which:
665 unique CDR3
13 unique J



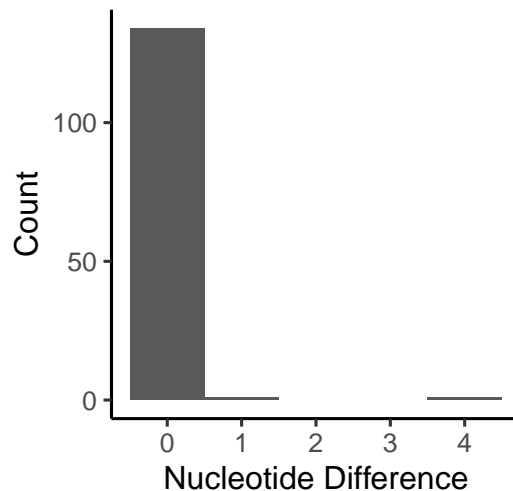
TRBV21-1*ap01

2018 sequences assigned
1995 (98.9%) exact matches, in which:
1983 unique CDR3
13 unique J



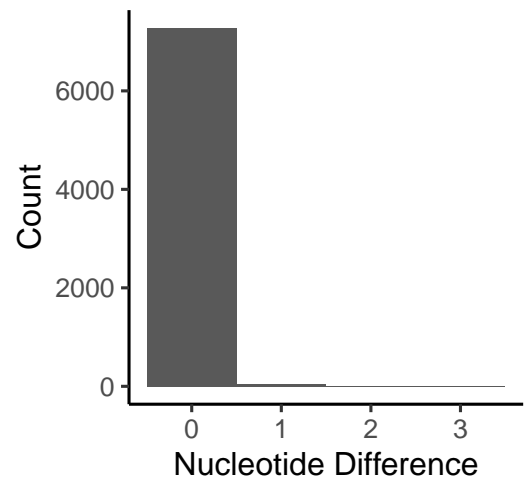
TRBV12-1*ap01

136 sequences assigned
134 (98.5%) exact matches, in which:
134 unique CDR3
13 unique J



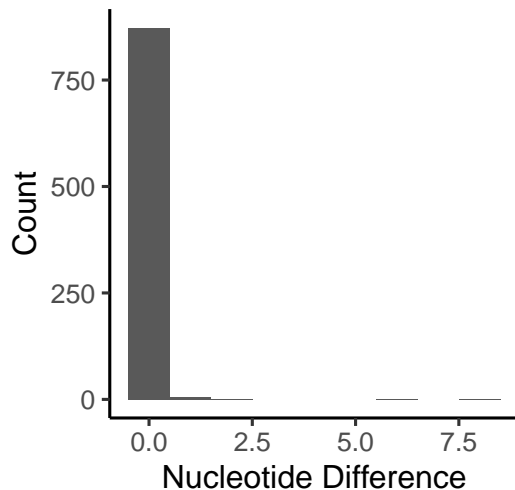
TRBV12-34*ap01

7331 sequences assigned
7276 (99.2%) exact matches, in which:
7211 unique CDR3
13 unique J



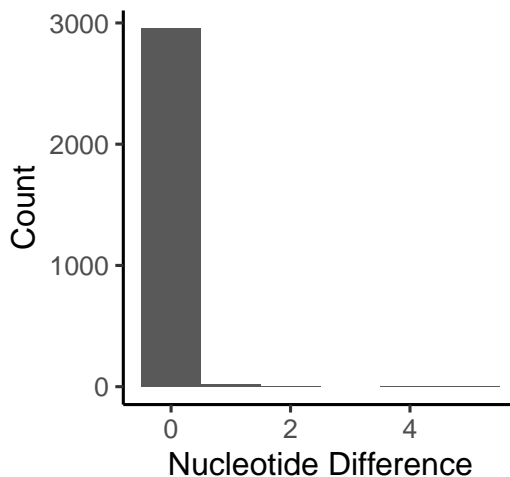
TRBV23–1*ap01

881 sequences assigned
873 (99.1%) exact matches, in which:
867 unique CDR3
13 unique J



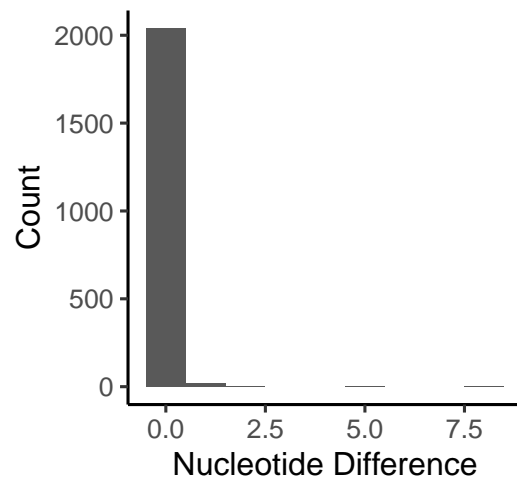
TRBV24–1*ap01

2980 sequences assigned
2955 (99.2%) exact matches, in which:
2930 unique CDR3
13 unique J



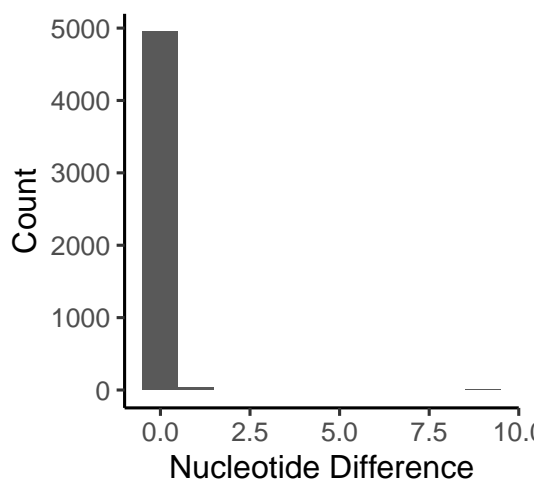
TRBV25–1*ap01

2062 sequences assigned
2039 (98.9%) exact matches, in which:
2017 unique CDR3
13 unique J



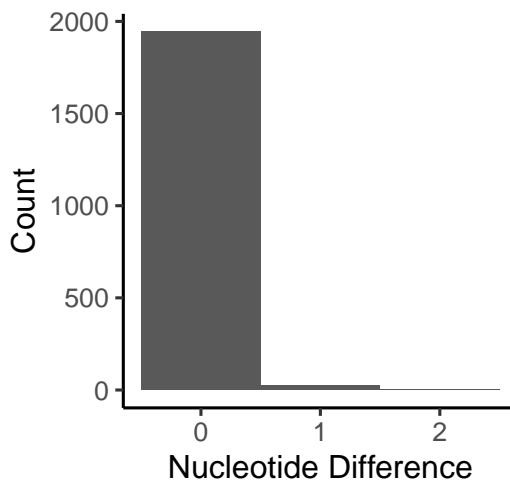
TRBV3–12*ap01

4989 sequences assigned
4950 (99.2%) exact matches, in which:
4927 unique CDR3
13 unique J



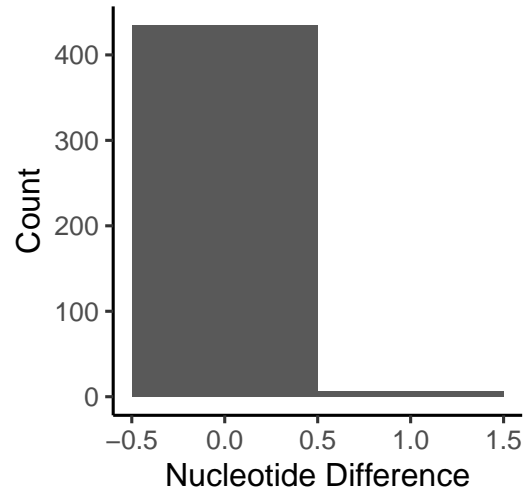
TRBV4–2*ap01

1969 sequences assigned
1944 (98.7%) exact matches, in which:
1930 unique CDR3
13 unique J



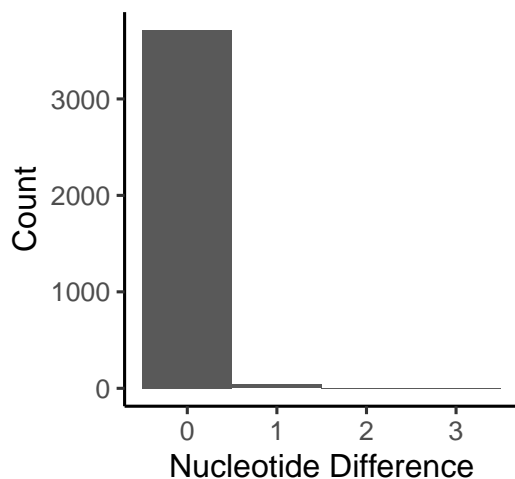
TRBV5–3*ap01

442 sequences assigned
435 (98.4%) exact matches, in which:
428 unique CDR3
13 unique J



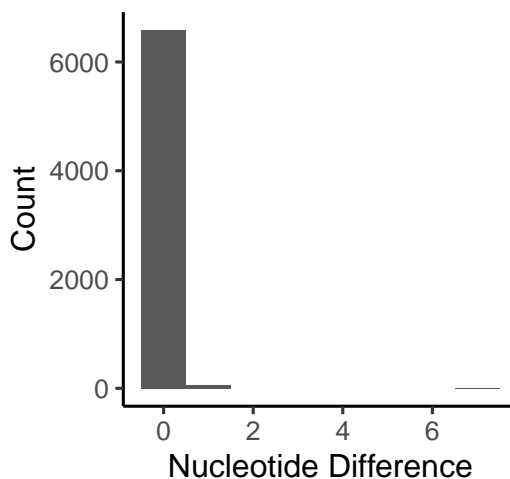
TRBV4–1*ap01

3755 sequences assigned
3714 (98.9%) exact matches, in which:
3672 unique CDR3
13 unique J



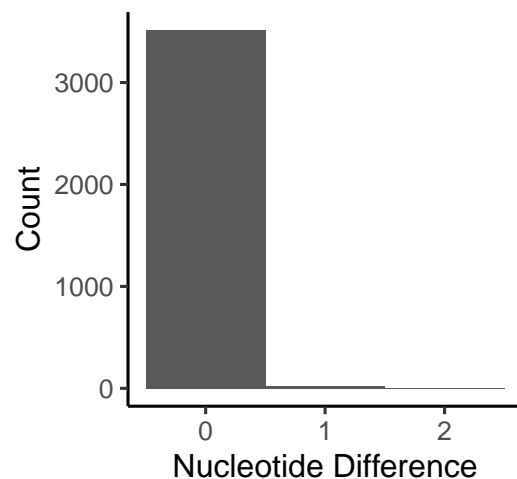
TRBV5–1*ap01

6647 sequences assigned
6587 (99.1%) exact matches, in which:
6515 unique CDR3
13 unique J



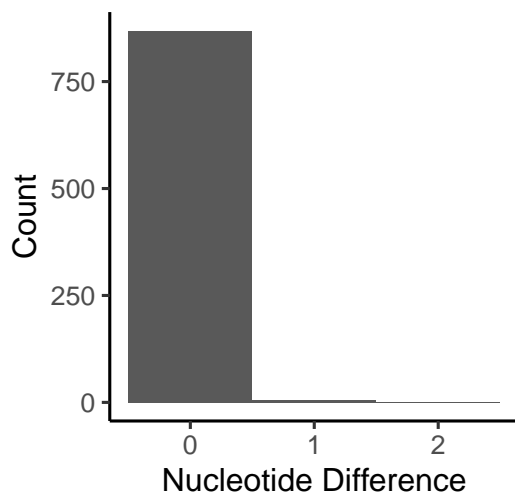
TRBV5–4*ap01

3538 sequences assigned
3515 (99.3%) exact matches, in which:
3489 unique CDR3
13 unique J



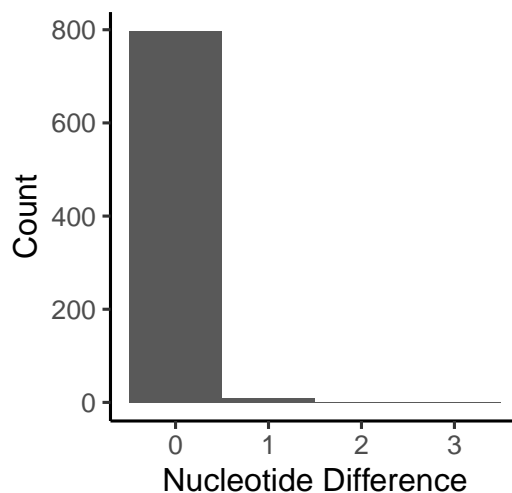
TRBV5-5*ap01

876 sequences assigned
869 (99.2%) exact matches, in which:
866 unique CDR3
13 unique J



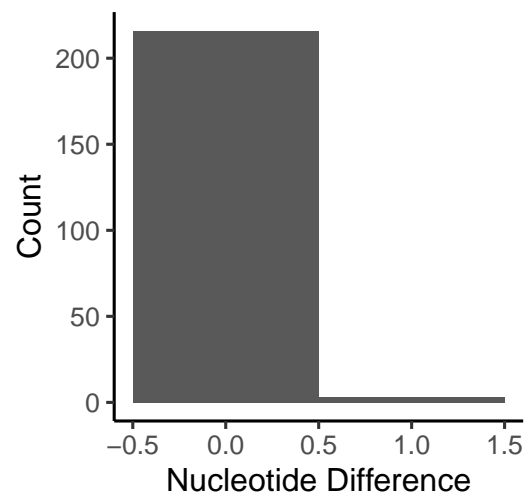
TRBV5-8*ap01

810 sequences assigned
798 (98.5%) exact matches, in which:
793 unique CDR3
13 unique J



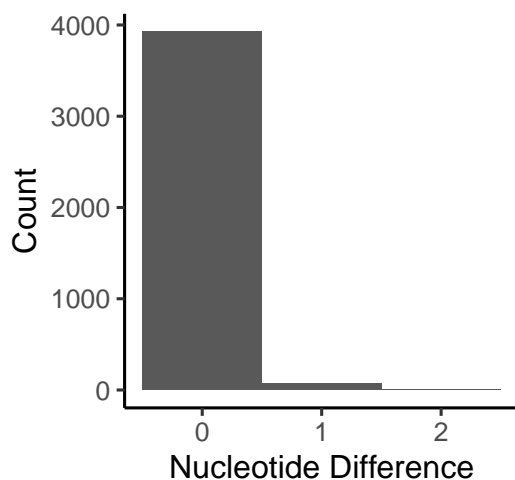
TRBV6-7*ap01

219 sequences assigned
216 (98.6%) exact matches, in which:
215 unique CDR3
13 unique J



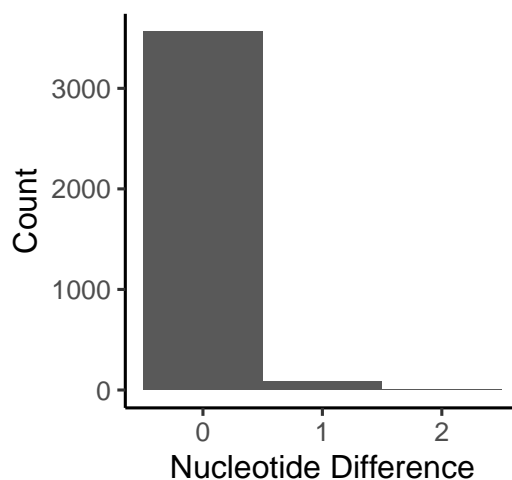
TRBV5-6*ap01

3996 sequences assigned
3926 (98.2%) exact matches, in which:
3863 unique CDR3
13 unique J



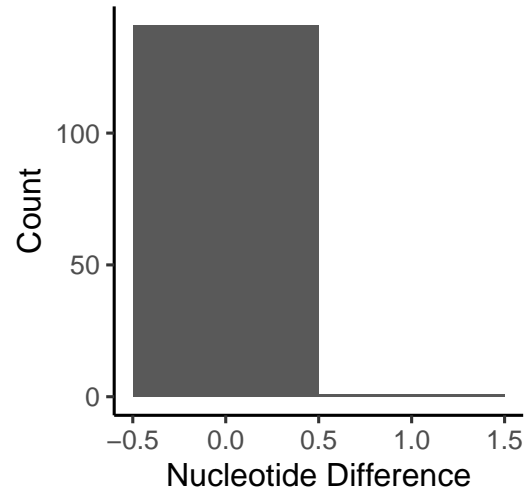
TRBV6-1*ap01

3649 sequences assigned
3563 (97.6%) exact matches, in which:
3517 unique CDR3
13 unique J



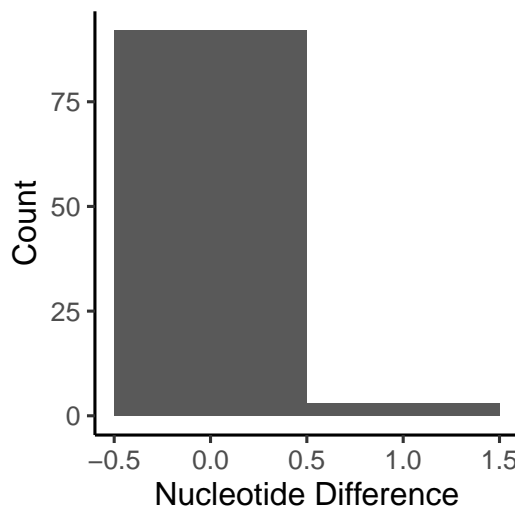
TRBV6-8*ap01

142 sequences assigned
141 (99.3%) exact matches, in which:
137 unique CDR3
13 unique J



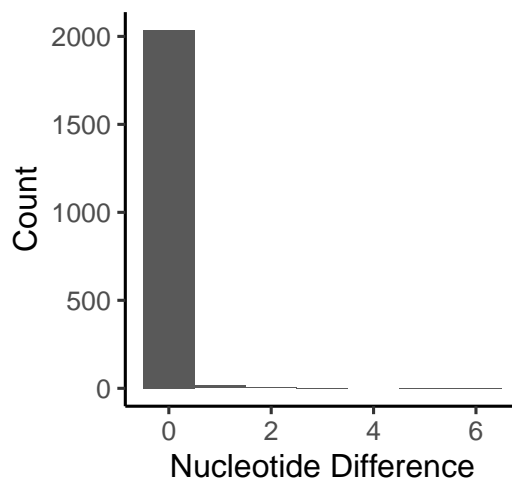
TRBV5-7*ap01

95 sequences assigned
92 (96.8%) exact matches, in which:
91 unique CDR3
12 unique J



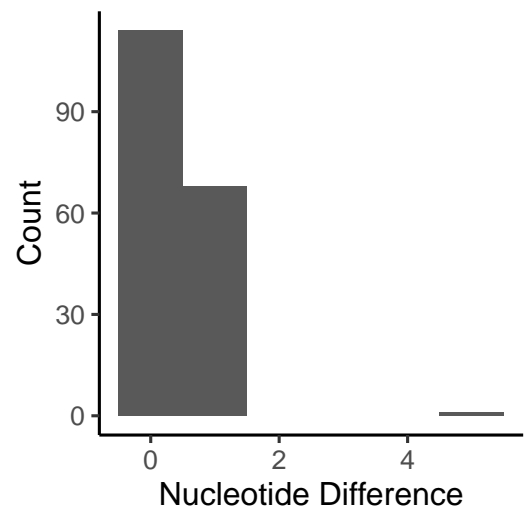
TRBV6-4*ap01

2060 sequences assigned
2036 (98.8%) exact matches, in which:
2016 unique CDR3
13 unique J



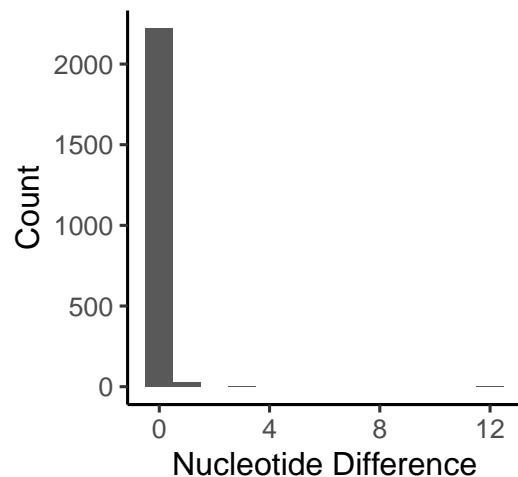
TRBV6-9*ap01

183 sequences assigned
114 (62.3%) exact matches, in which:
113 unique CDR3
12 unique J



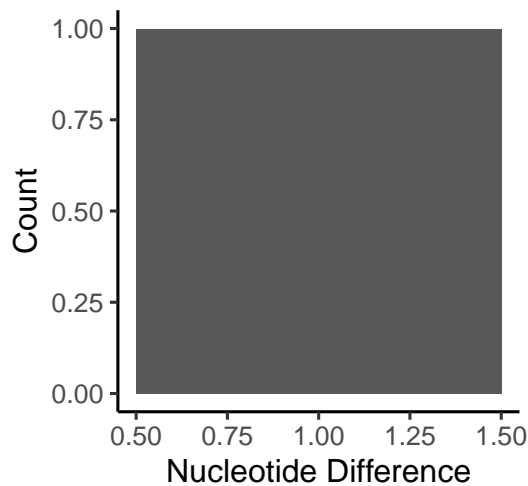
TRBV6-23*ap01

2248 sequences assigned
2221 (98.8%) exact matches, in which:
2182 unique CDR3
13 unique J



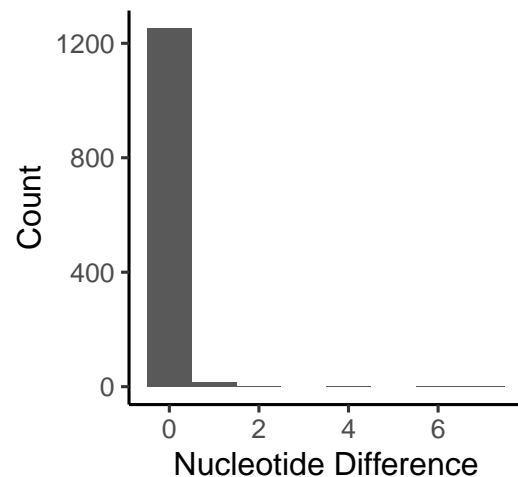
TRBV7-1*ap01

1 sequences assigned
No exact matches.



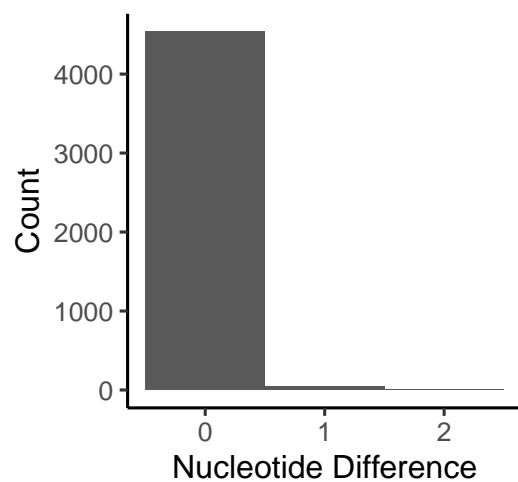
TRBV7-3*ap01

1272 sequences assigned
1252 (98.4%) exact matches, in which:
1242 unique CDR3
13 unique J



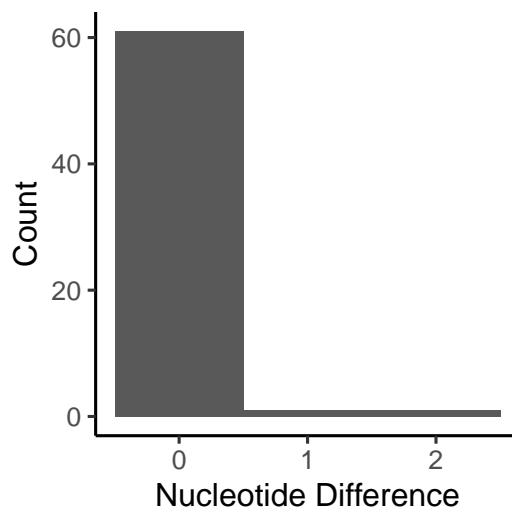
TRBV6-56*ap01

4575 sequences assigned
4536 (99.1%) exact matches, in which:
4475 unique CDR3
13 unique J



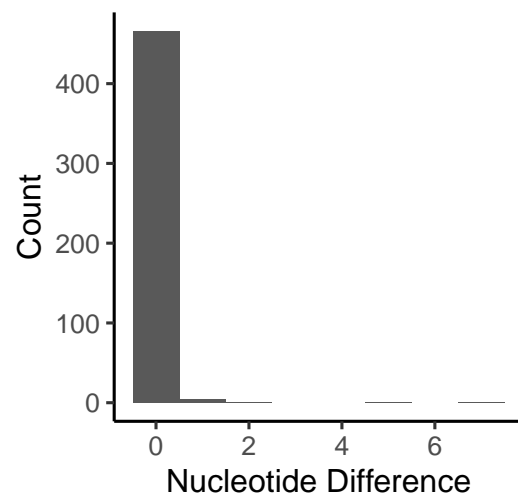
TRBV7-1*ap01_G291C_T

63 sequences assigned
61 (96.8%) exact matches, in which:
61 unique CDR3
12 unique J



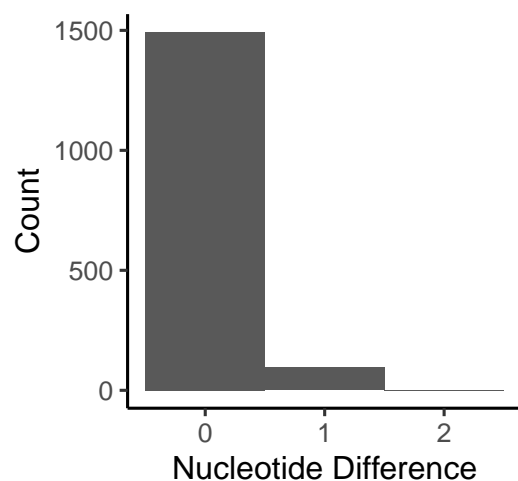
TRBV7-3*ap01_G292T

474 sequences assigned
466 (98.3%) exact matches, in which:
460 unique CDR3
13 unique J



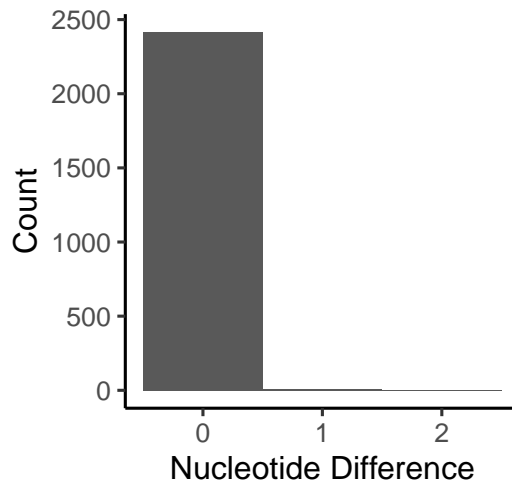
TRBV6-56*ap02

1589 sequences assigned
1493 (94%) exact matches, in which:
1471 unique CDR3
13 unique J



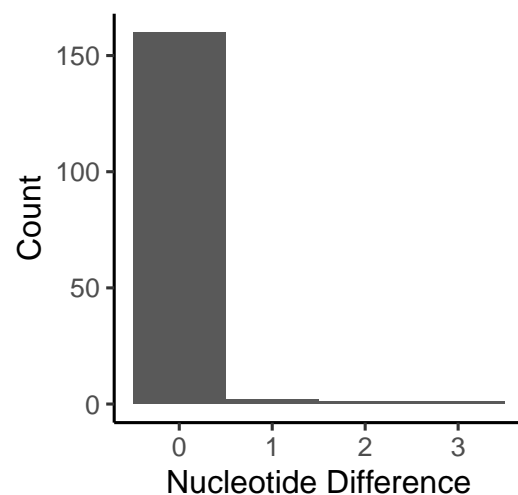
TRBV7-2*ap01

2426 sequences assigned
2416 (99.6%) exact matches, in which:
2397 unique CDR3
13 unique J



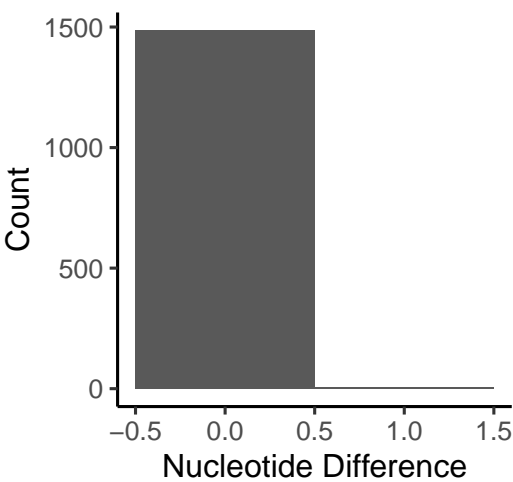
TRBV7-4*ap01

164 sequences assigned
160 (97.6%) exact matches, in which:
156 unique CDR3
12 unique J



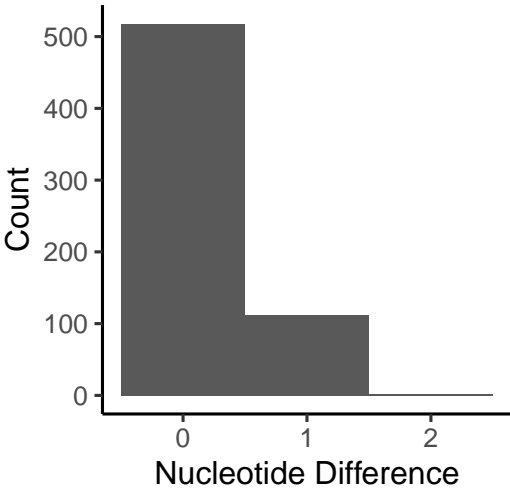
TRBV7-6*ap01

1493 sequences assigned
1486 (99.5%) exact matches, in which:
1474 unique CDR3
13 unique J



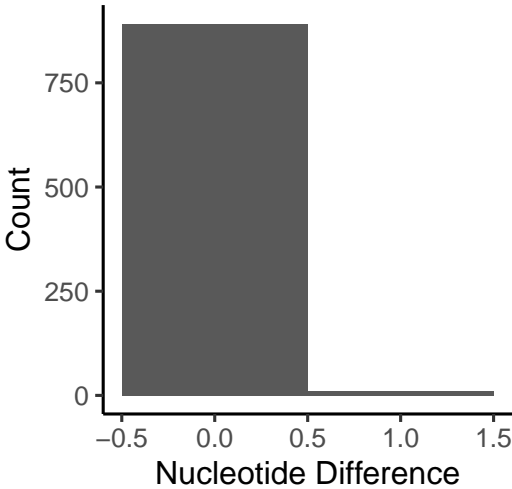
TRBV7-8*ap03

632 sequences assigned
518 (82%) exact matches, in which:
515 unique CDR3
13 unique J



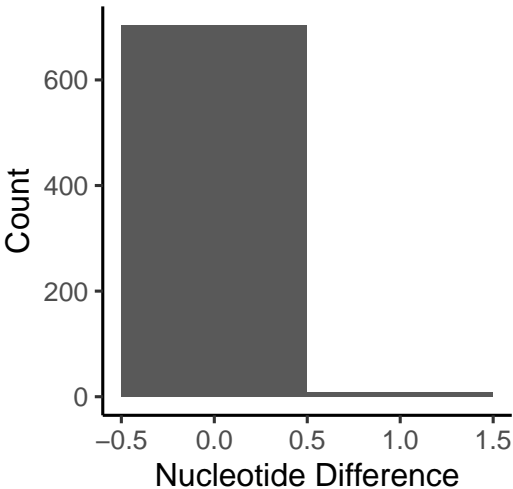
TRBV29-1*ap02

903 sequences assigned
892 (98.8%) exact matches, in which:
883 unique CDR3
13 unique J



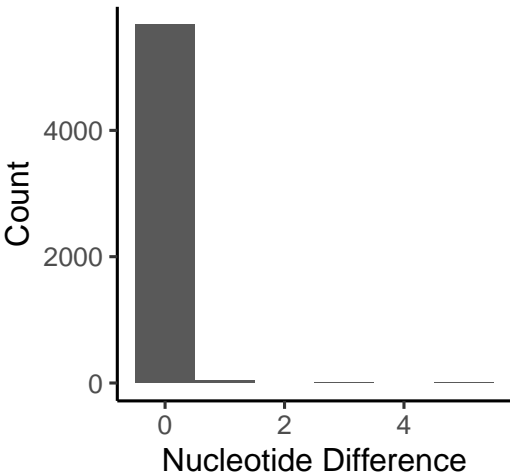
TRBV7-7*ap01_C315T

712 sequences assigned
704 (98.9%) exact matches, in which:
696 unique CDR3
13 unique J



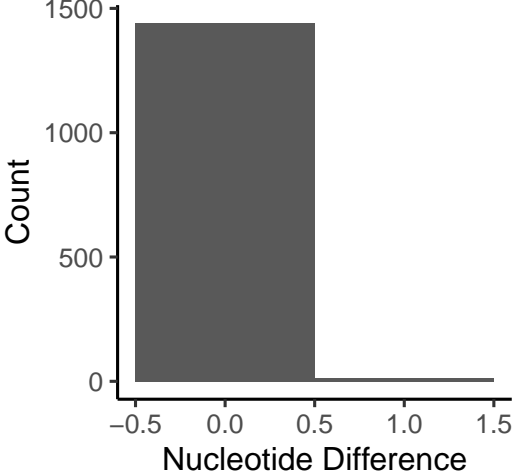
TRBV7-9*ap01

5712 sequences assigned
5673 (99.3%) exact matches, in which:
5635 unique CDR3
13 unique J



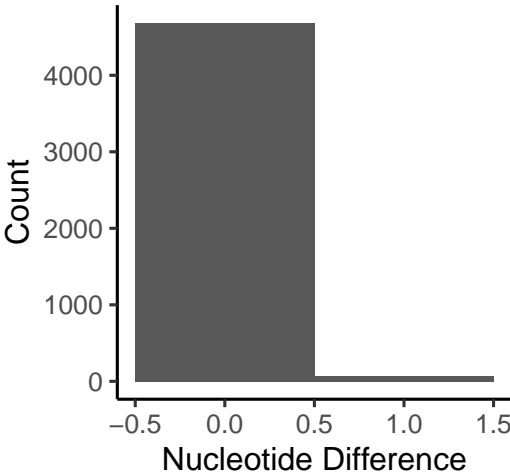
TRBV7-8*ap01

1454 sequences assigned
1441 (99.1%) exact matches, in which:
1432 unique CDR3
13 unique J

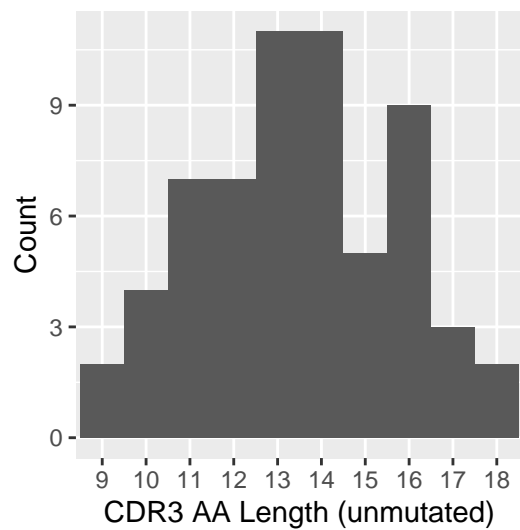


TRBV29-1*ap01

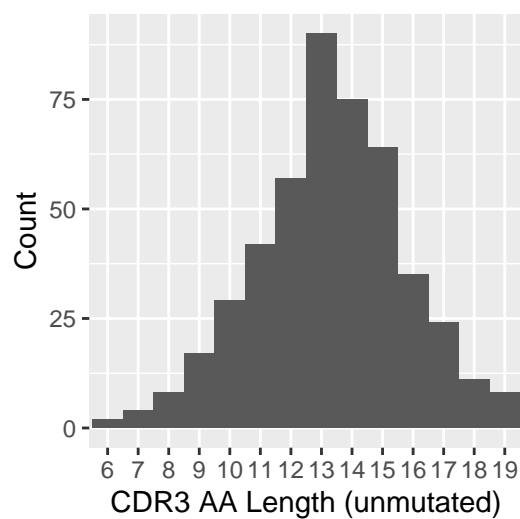
4752 sequences assigned
4683 (98.5%) exact matches, in which:
4580 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

