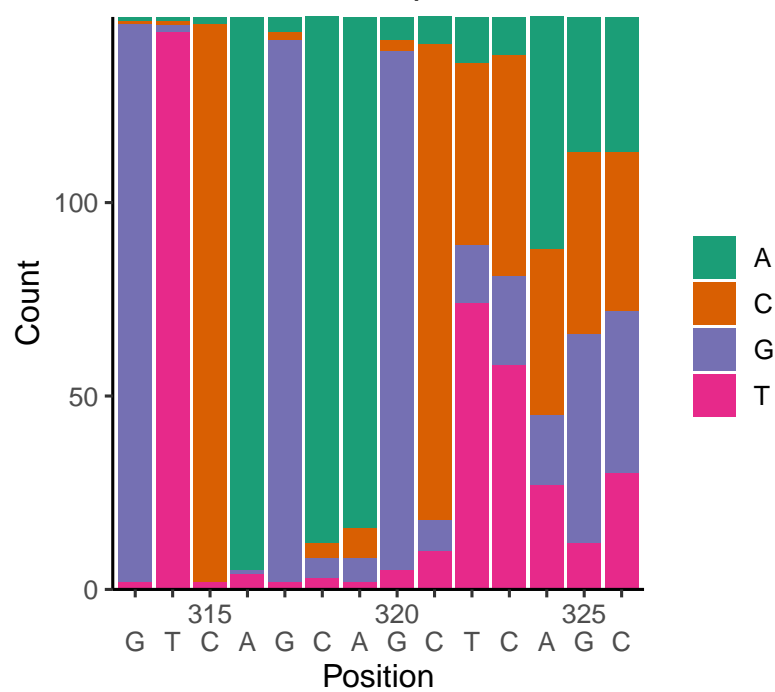
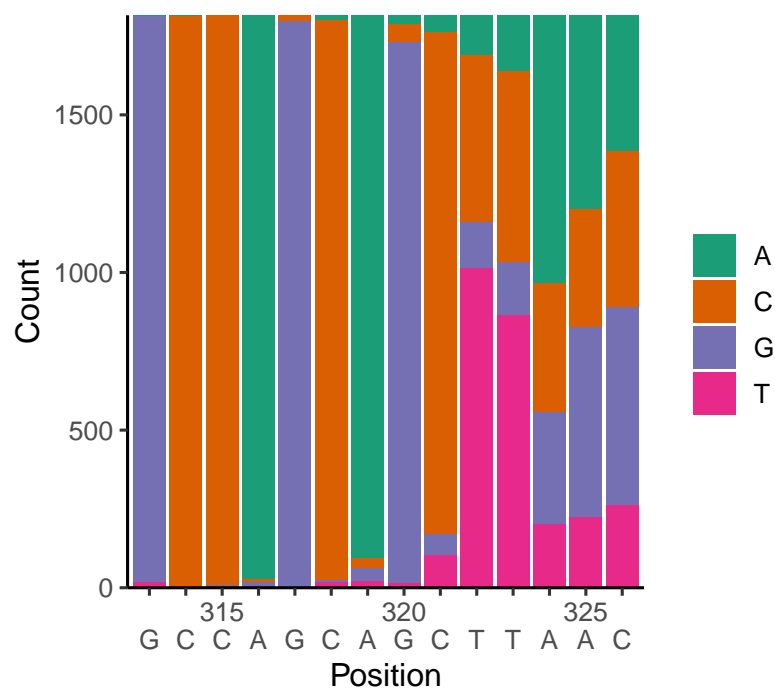


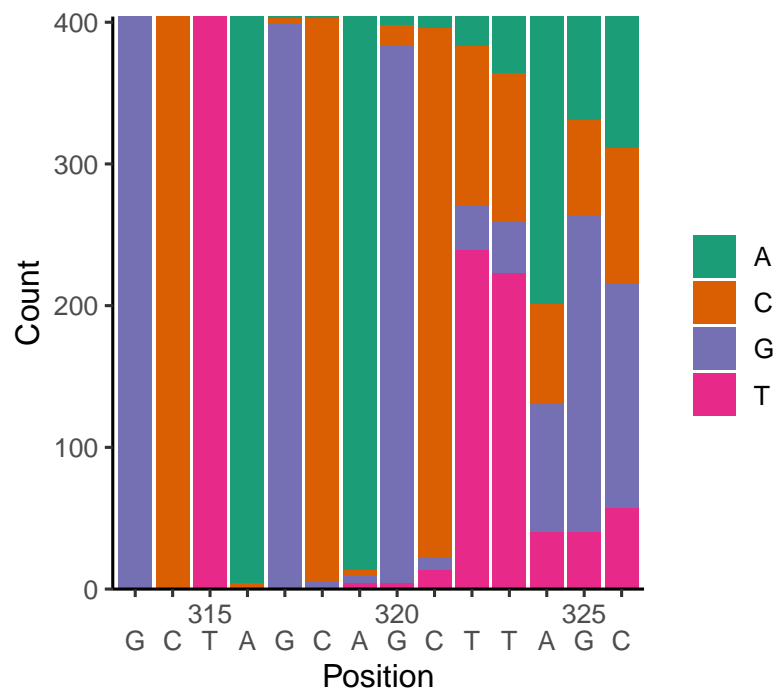
Gene TRBV7-1*ap01_T296C_C314T



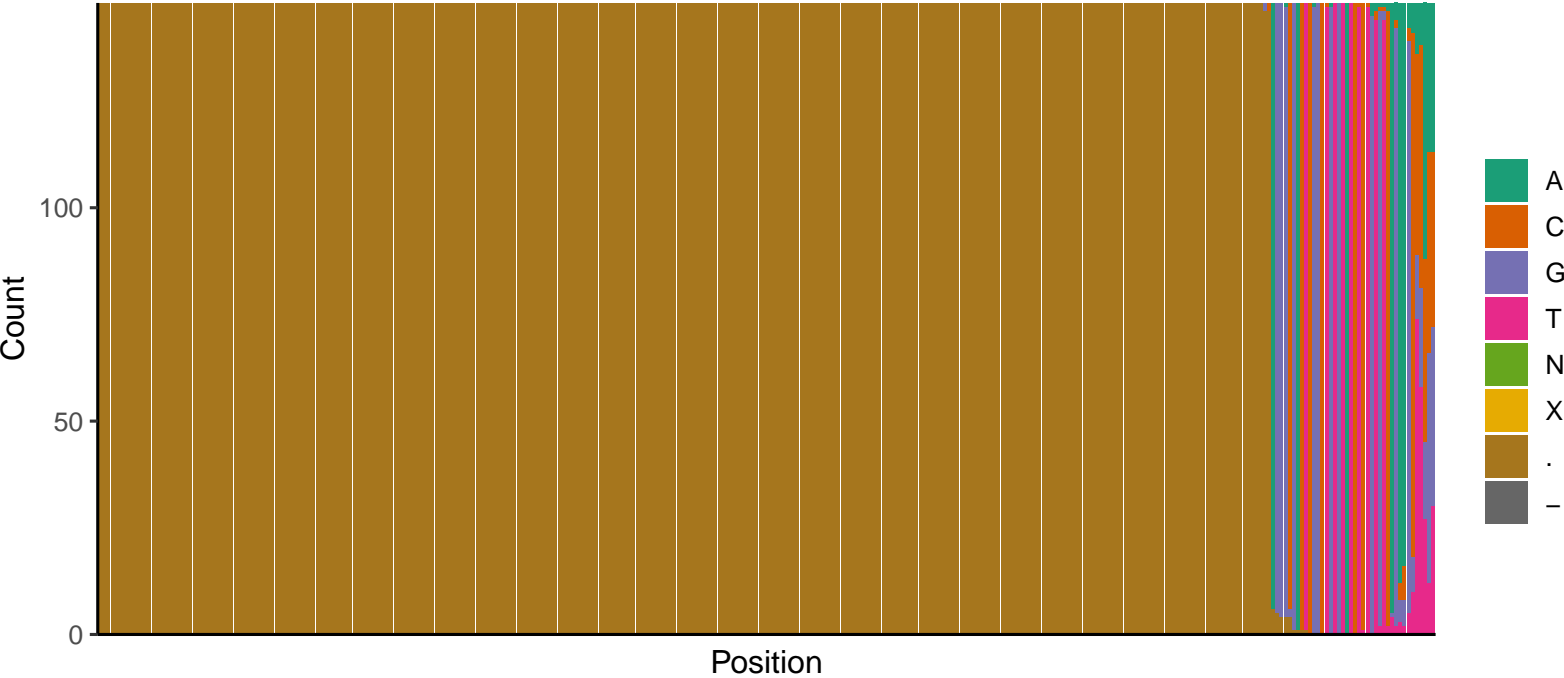
Gene TRBV7-3*ap01_G301A



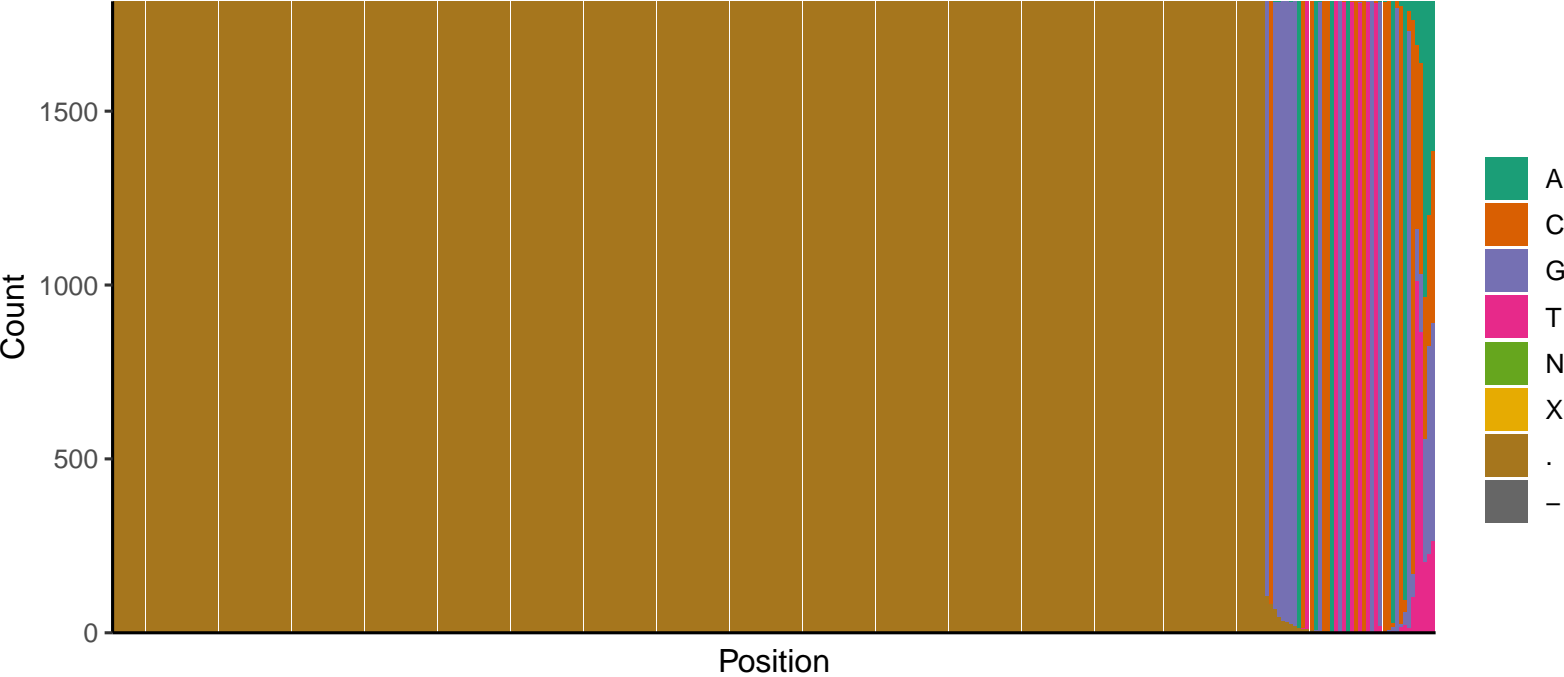
Gene TRBV7-7*ap01_C315T



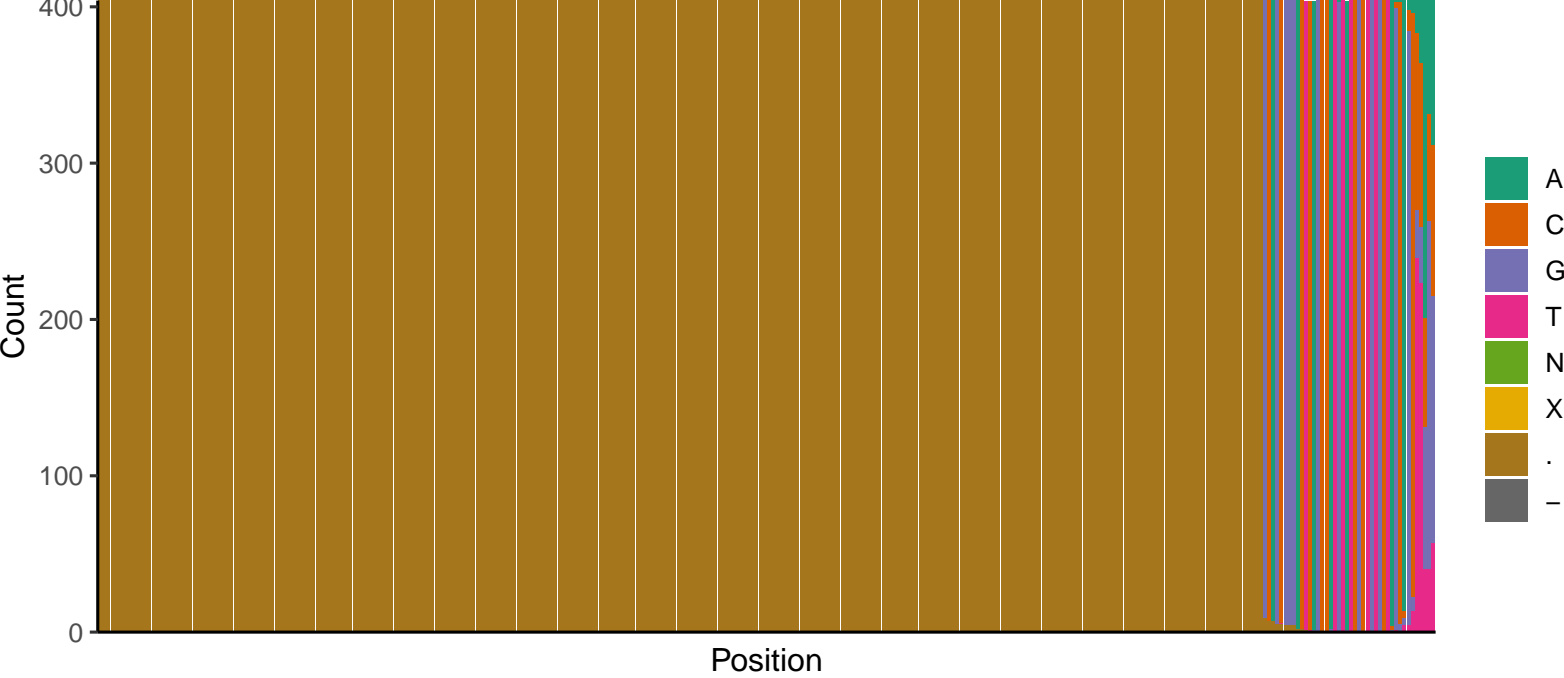
Gene TRBV7-1*ap01_T296C_C314T



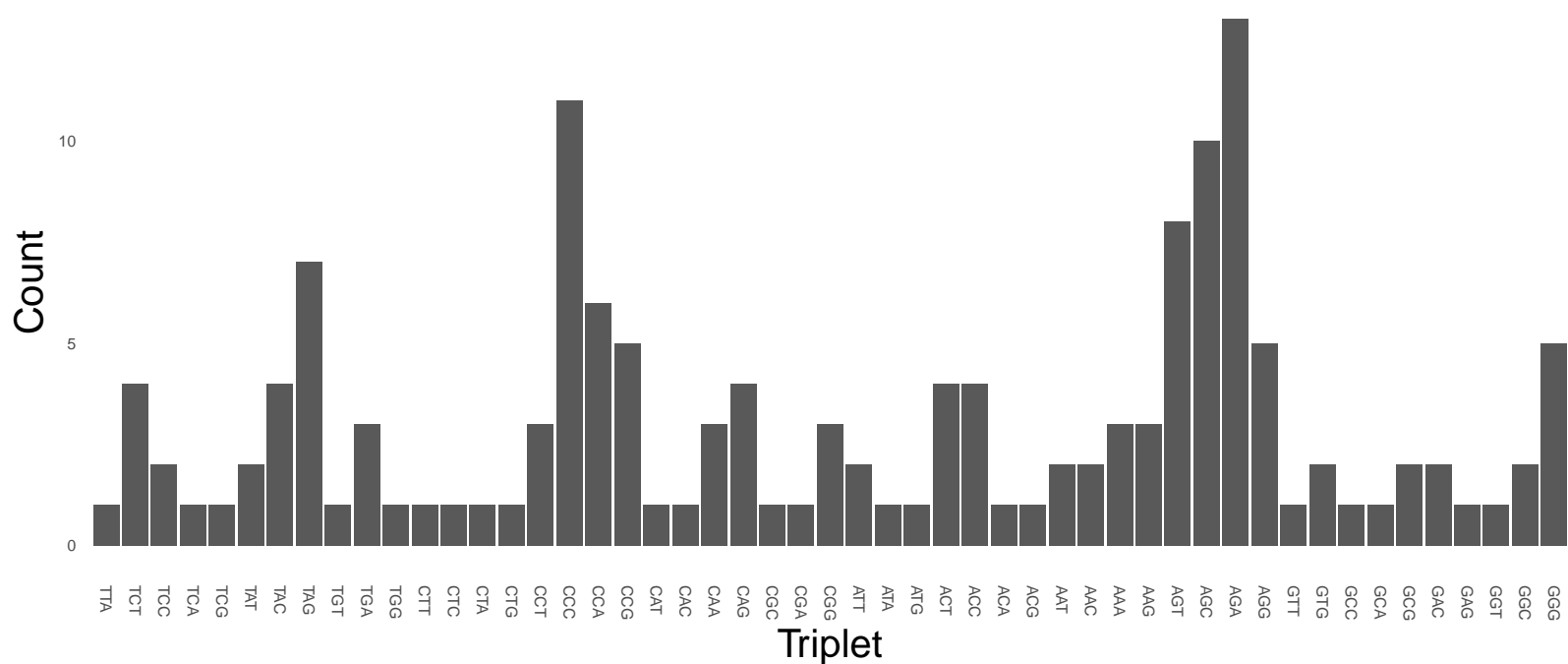
Gene TRBV7-3*ap01_G301A



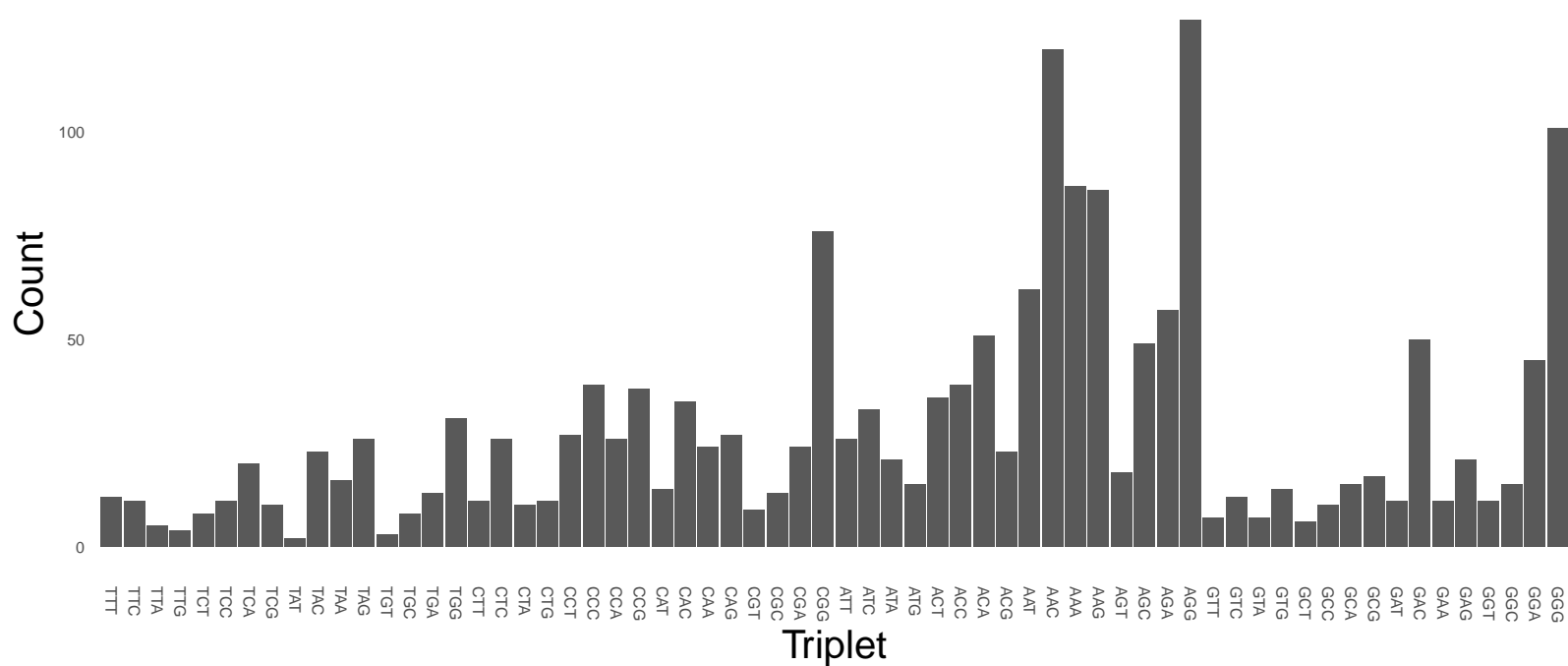
Gene TRBV7-7*ap01_C315T



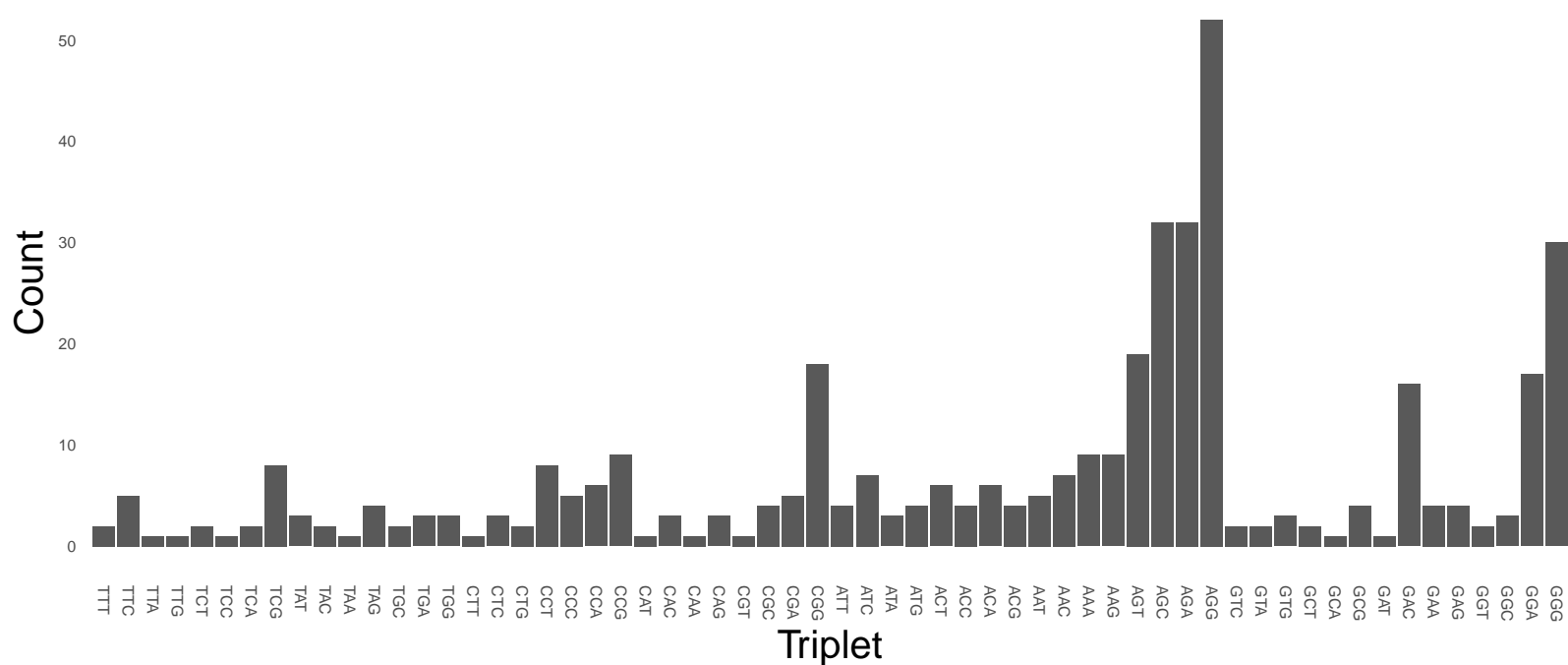
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet

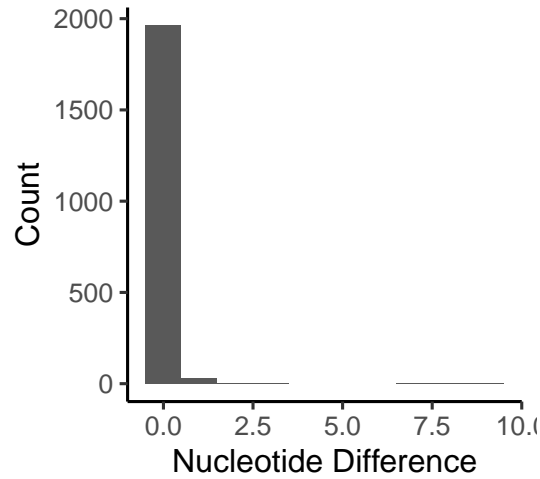


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



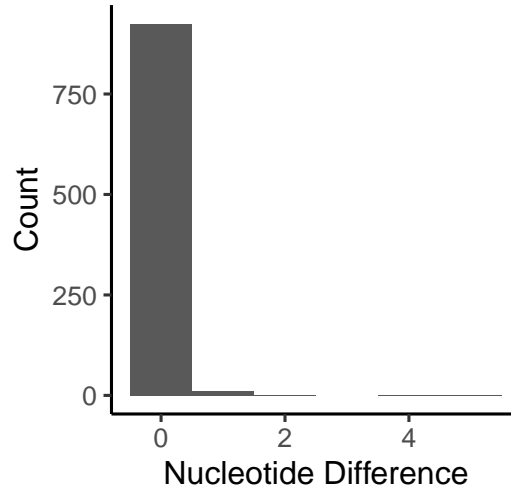
TRBV10-1*ap01

1996 sequences assigned
1963 (98.3%) exact matches, in which:
1910 unique CDR3
13 unique J



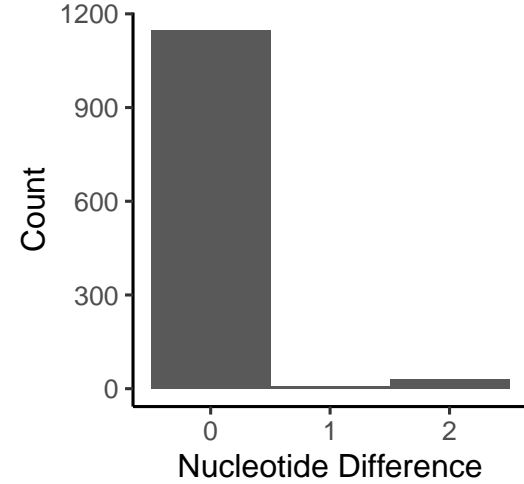
TRBV10-2*ap01

938 sequences assigned
925 (98.6%) exact matches, in which:
900 unique CDR3
13 unique J



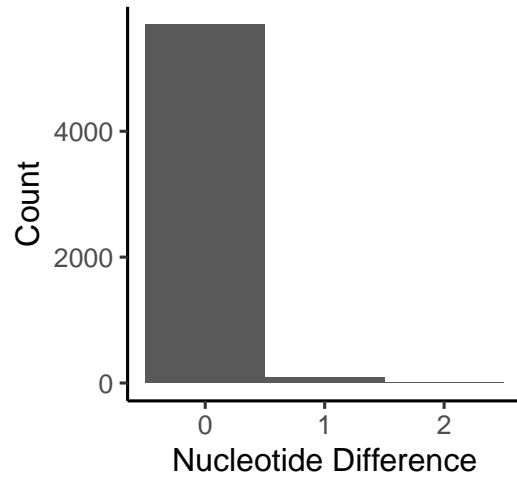
TRBV13*ap01

1185 sequences assigned
1147 (96.8%) exact matches, in which:
1115 unique CDR3
13 unique J



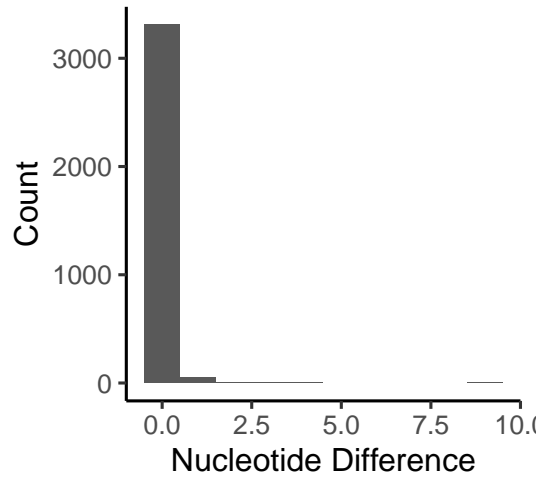
TRBV20-1*ap01

5777 sequences assigned
5693 (98.5%) exact matches, in which:
5555 unique CDR3
13 unique J



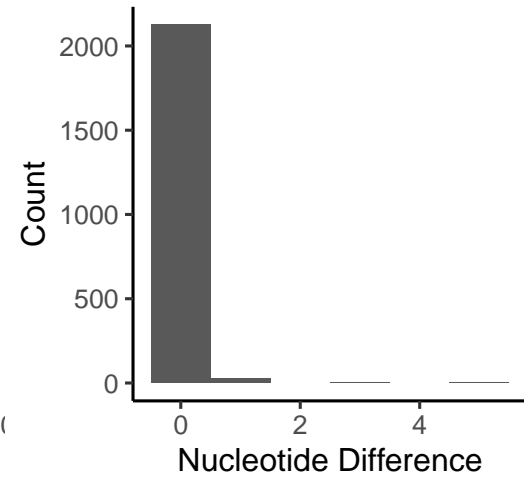
TRBV10-3*ap01

3365 sequences assigned
3310 (98.4%) exact matches, in which:
3238 unique CDR3
13 unique J



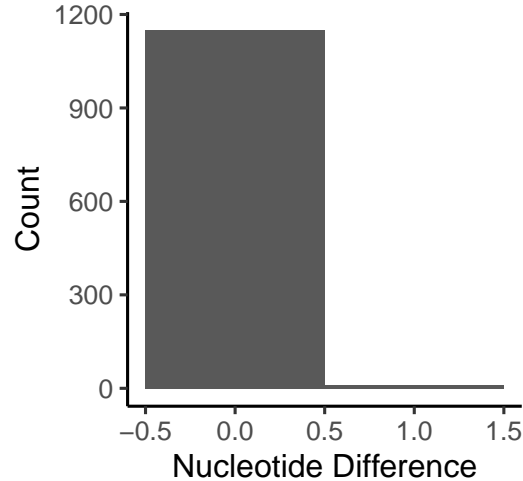
TRBV14*ap01

2153 sequences assigned
2126 (98.7%) exact matches, in which:
2054 unique CDR3
13 unique J



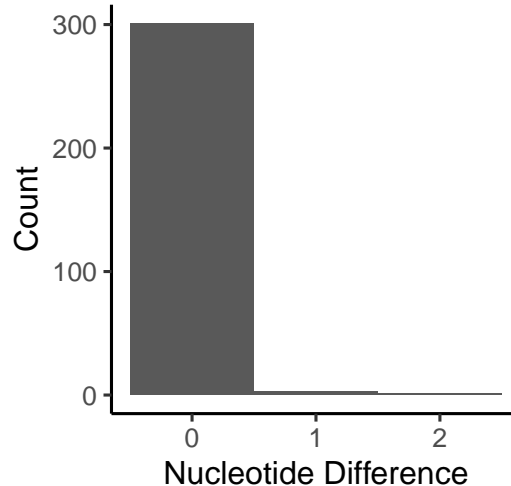
TRBV20-1*ap02

1161 sequences assigned
1150 (99.1%) exact matches, in which:
1112 unique CDR3
13 unique J



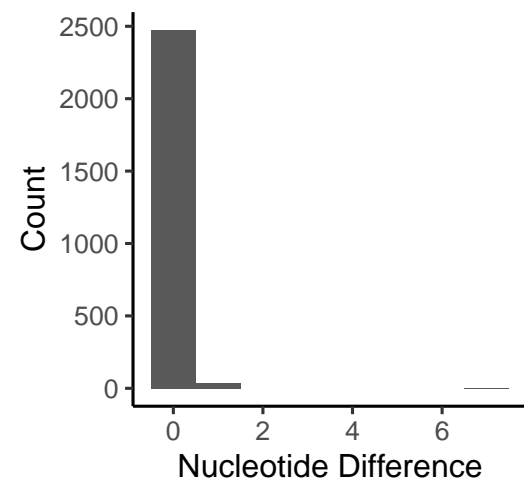
TRBV1*ap01

305 sequences assigned
301 (98.7%) exact matches, in which:
291 unique CDR3
13 unique J



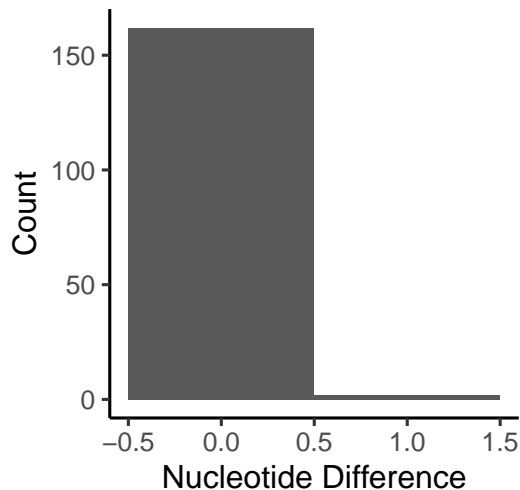
TRBV15*ap02

2510 sequences assigned
2474 (98.6%) exact matches, in which:
2400 unique CDR3
13 unique J



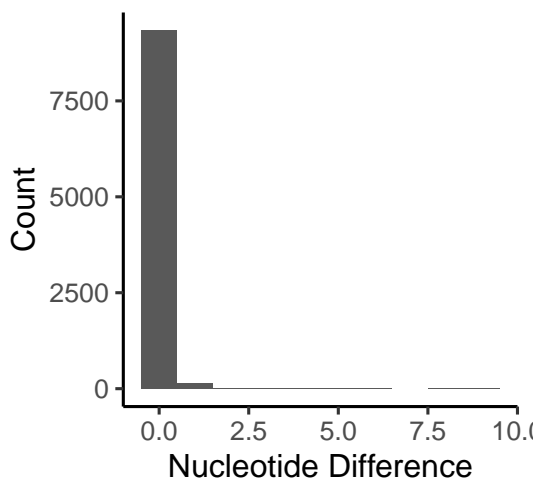
TRBV16*ap01

164 sequences assigned
162 (98.8%) exact matches, in which:
159 unique CDR3
13 unique J



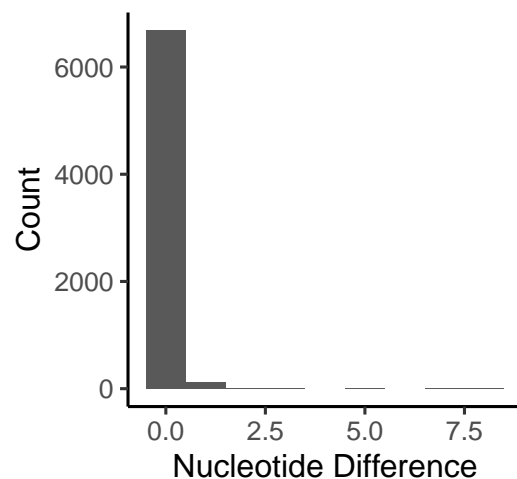
TRBV19*ap01

9487 sequences assigned
9337 (98.4%) exact matches, in which:
9158 unique CDR3
13 unique J



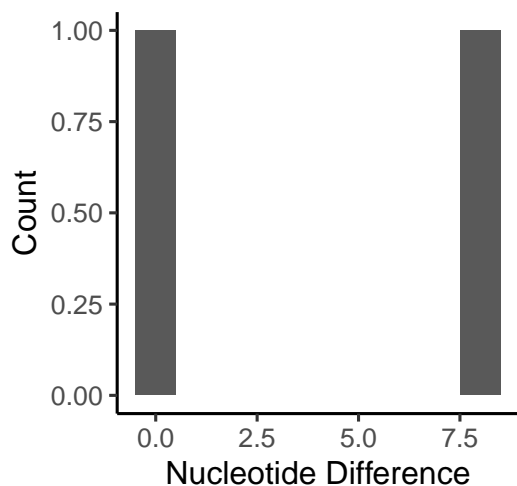
TRBV27*ap01

6823 sequences assigned
6683 (97.9%) exact matches, in which:
6486 unique CDR3
13 unique J



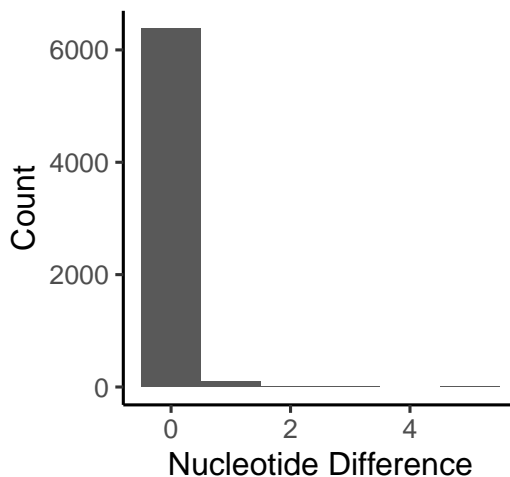
TRBV17*ap01

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



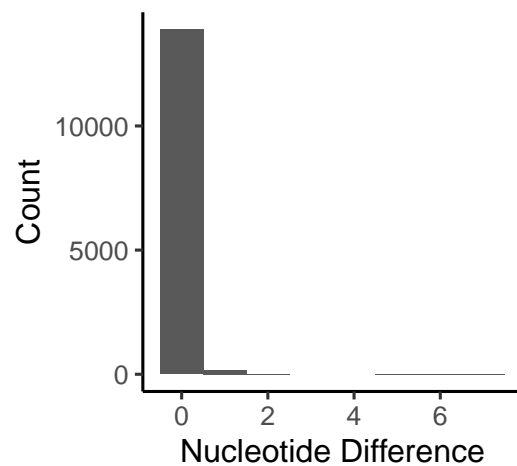
TRBV2*ap01

6493 sequences assigned
6377 (98.2%) exact matches, in which:
6237 unique CDR3
13 unique J



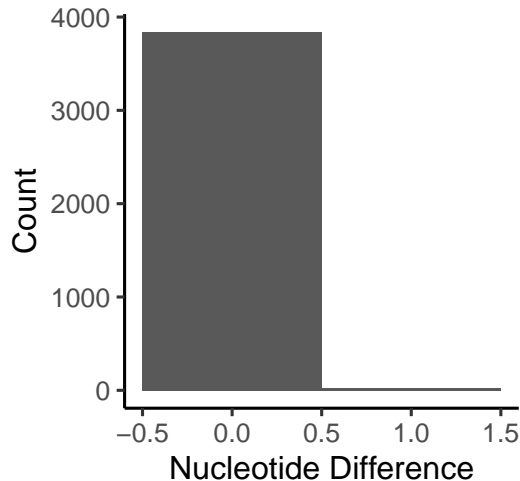
TRBV28*ap01

14069 sequences assigned
13886 (98.7%) exact matches, in which:
13510 unique CDR3
13 unique J



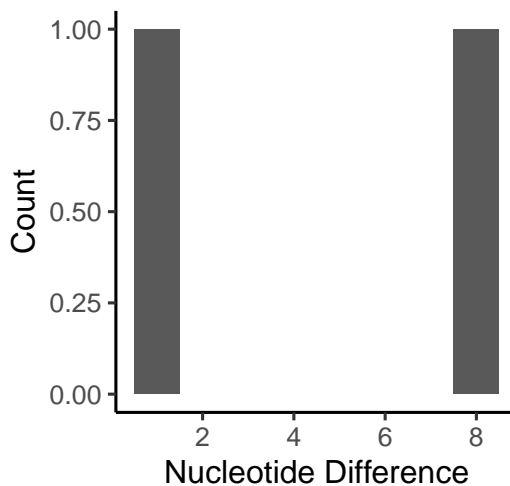
TRBV18*ap01

3865 sequences assigned
3839 (99.3%) exact matches, in which:
3755 unique CDR3
13 unique J



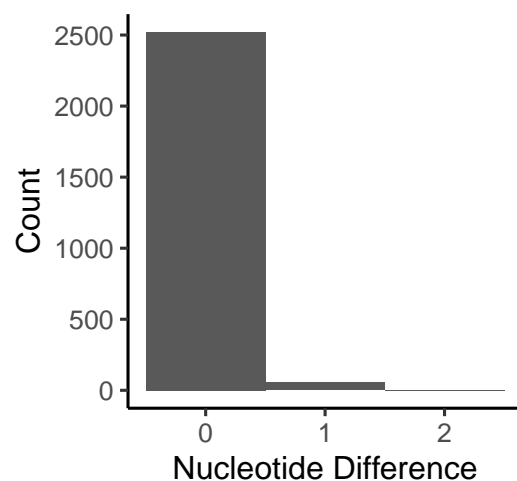
TRBV26*ap01

2 sequences assigned
No exact matches.



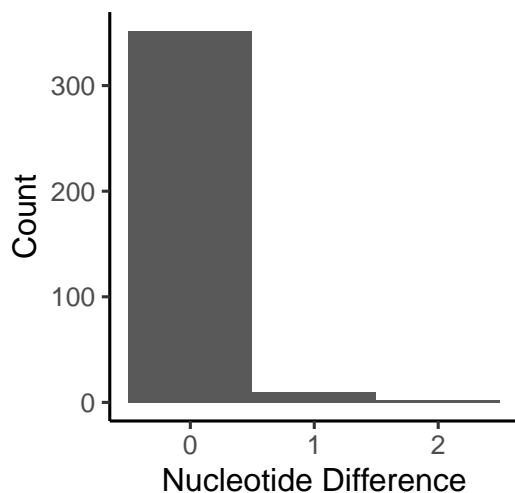
TRBV30*ap01

2578 sequences assigned
2521 (97.8%) exact matches, in which:
2489 unique CDR3
13 unique J



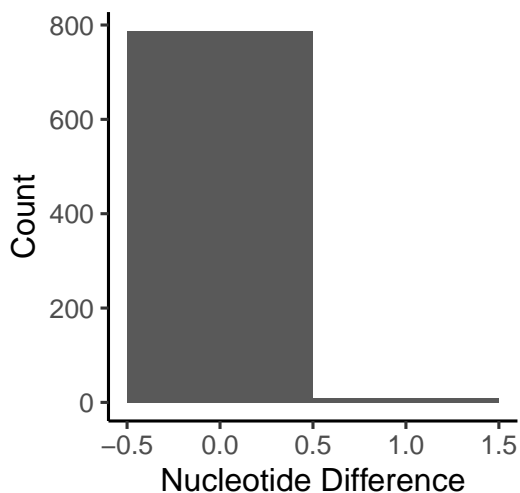
TRBV30*ap03

364 sequences assigned
352 (96.7%) exact matches, in which:
346 unique CDR3
13 unique J



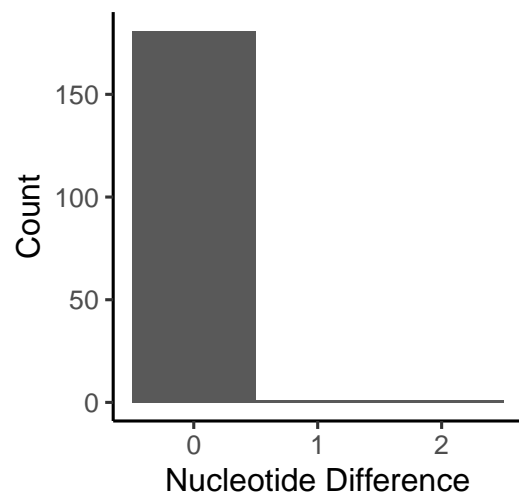
TRBV11-1*ap01

798 sequences assigned
788 (98.7%) exact matches, in which:
761 unique CDR3
13 unique J



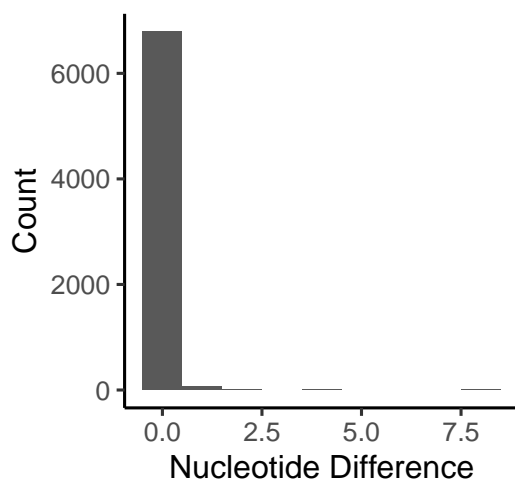
TRBV12-1*ap01

183 sequences assigned
181 (98.9%) exact matches, in which:
178 unique CDR3
13 unique J



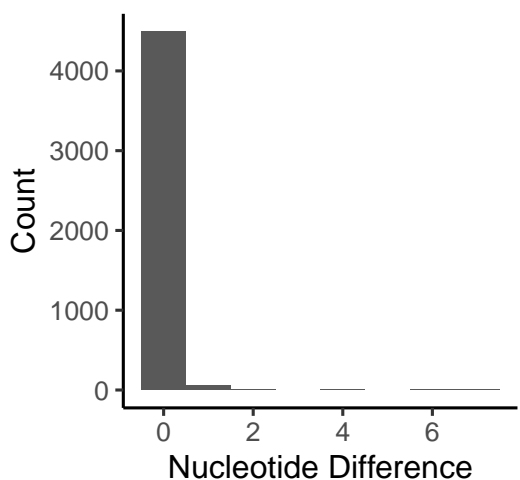
TRBV9*ap01

6871 sequences assigned
6789 (98.8%) exact matches, in which:
6631 unique CDR3
13 unique J



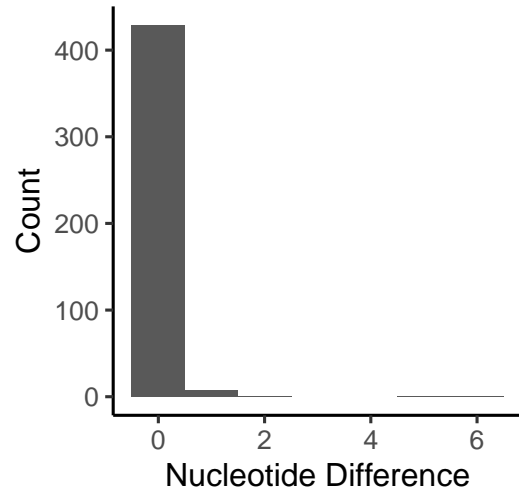
TRBV11-2*ap01

4553 sequences assigned
4491 (98.6%) exact matches, in which:
4365 unique CDR3
13 unique J



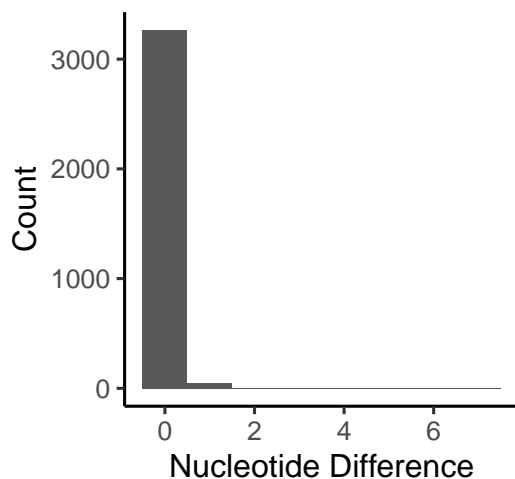
TRBV12-2*ap01

439 sequences assigned
429 (97.7%) exact matches, in which:
408 unique CDR3
13 unique J



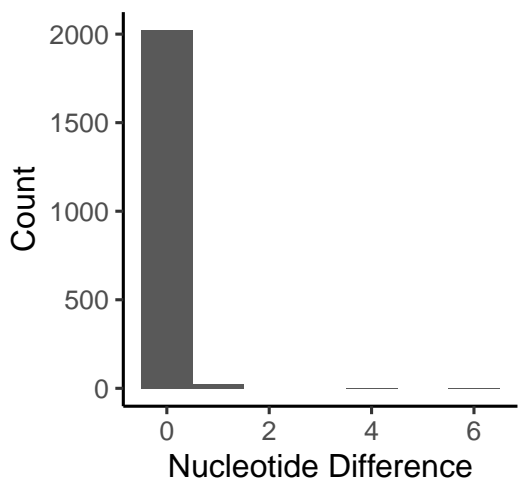
TRBV21-1*ap01

3327 sequences assigned
3265 (98.1%) exact matches, in which:
3191 unique CDR3
13 unique J



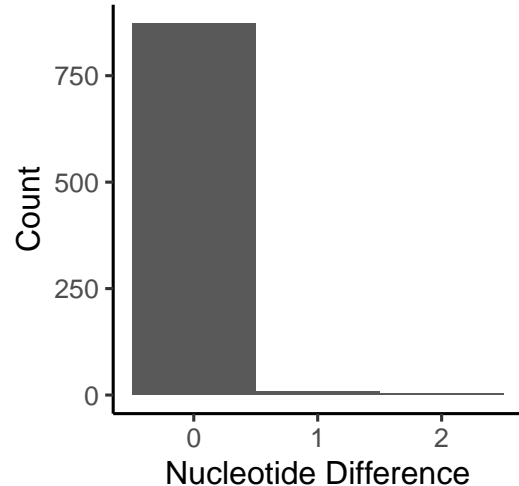
TRBV11-3*ap01

2049 sequences assigned
2023 (98.7%) exact matches, in which:
1983 unique CDR3
13 unique J



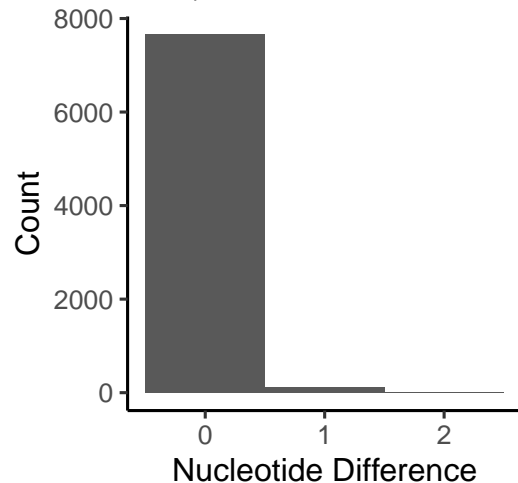
TRBV12-5*ap01

885 sequences assigned
873 (98.6%) exact matches, in which:
849 unique CDR3
13 unique J



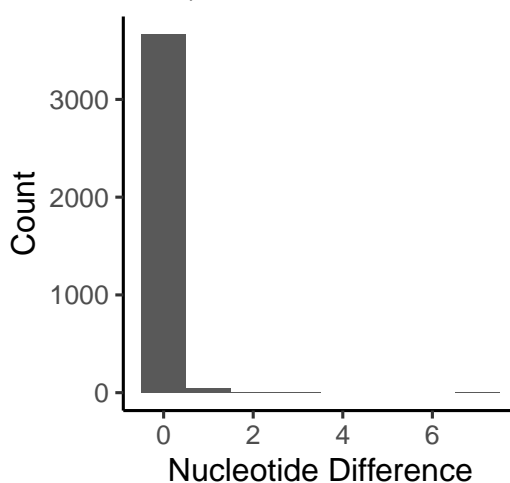
TRBV12-34*ap01

7775 sequences assigned
7660 (98.5%) exact matches, in which:
7500 unique CDR3
13 unique J



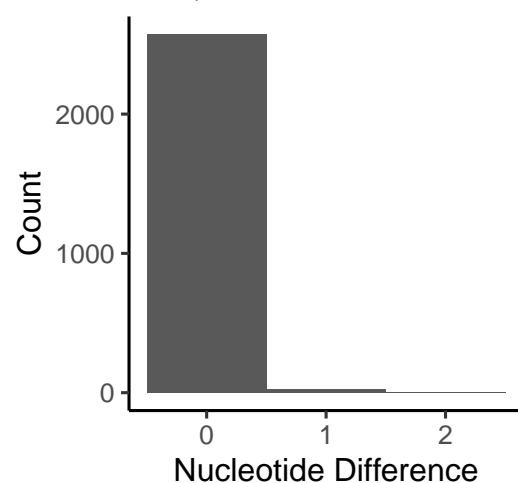
TRBV4-1*ap01

3729 sequences assigned
3665 (98.3%) exact matches, in which:
3582 unique CDR3
13 unique J



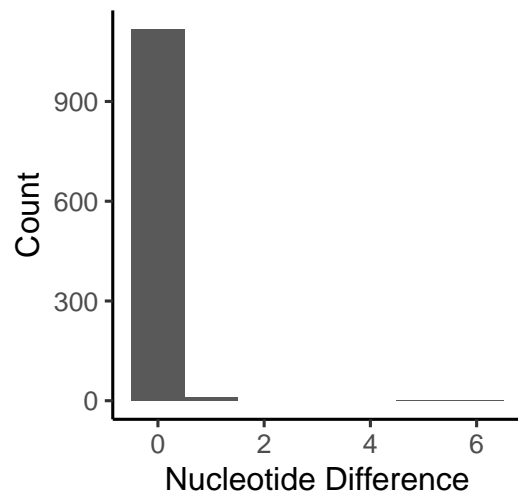
TRBV4-3*ap01

2605 sequences assigned
2572 (98.7%) exact matches, in which:
2511 unique CDR3
13 unique J



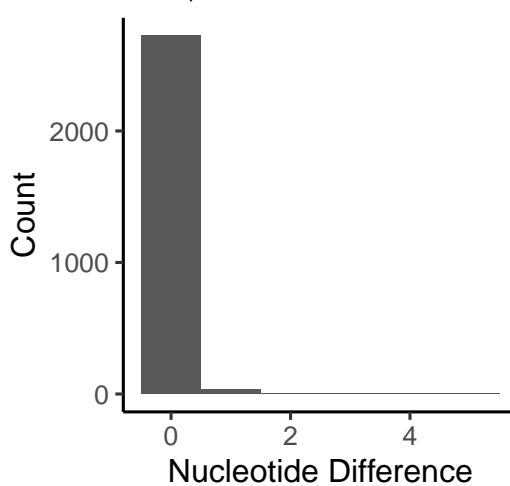
TRBV23-1*ap01

1133 sequences assigned
1118 (98.7%) exact matches, in which:
1094 unique CDR3
13 unique J



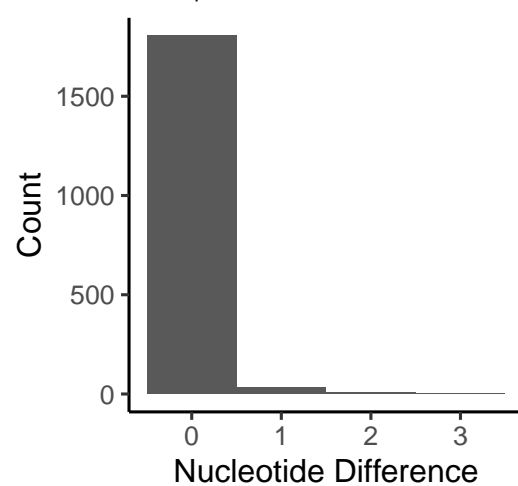
TRBV24-1*ap01

2768 sequences assigned
2724 (98.4%) exact matches, in which:
2682 unique CDR3
13 unique J



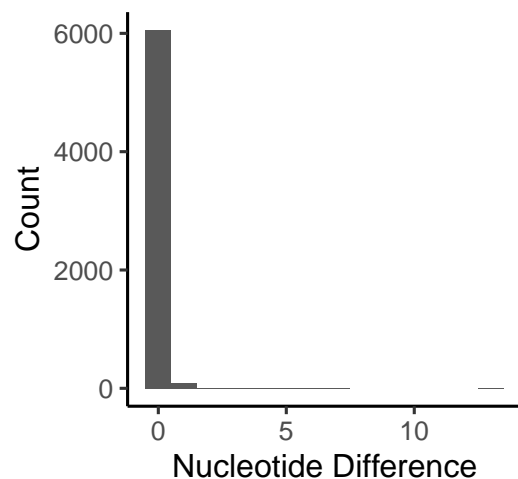
TRBV25-1*ap01

1845 sequences assigned
1805 (97.8%) exact matches, in which:
1766 unique CDR3
13 unique J



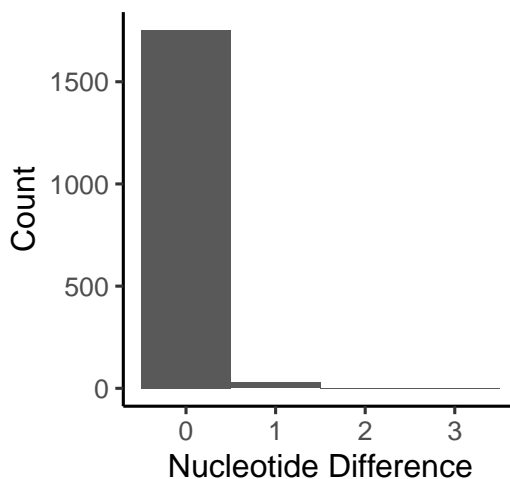
TRBV3-12*ap01

6159 sequences assigned
6056 (98.3%) exact matches, in which:
5900 unique CDR3
13 unique J



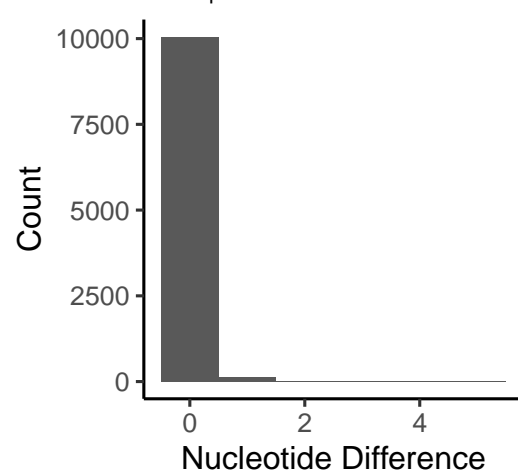
TRBV4-2*ap01

1785 sequences assigned
1753 (98.2%) exact matches, in which:
1703 unique CDR3
13 unique J



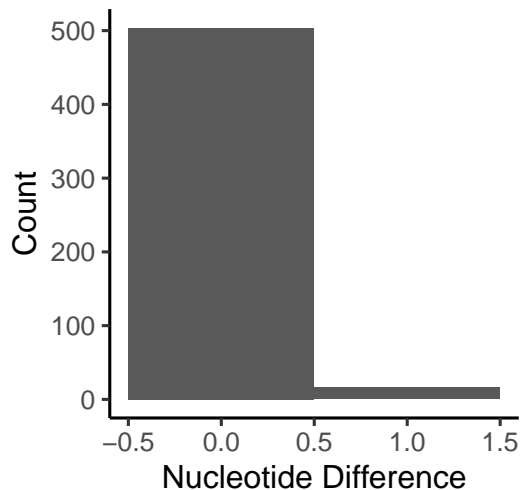
TRBV5-1*ap01

10194 sequences assigned
10053 (98.6%) exact matches, in which:
9741 unique CDR3
13 unique J



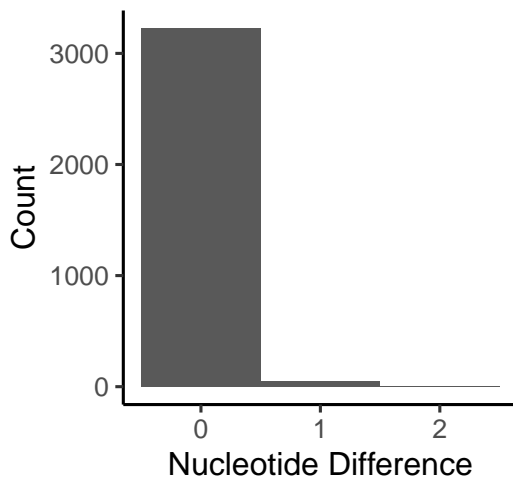
TRBV5-3*ap01

520 sequences assigned
504 (96.9%) exact matches, in which:
491 unique CDR3
13 unique J



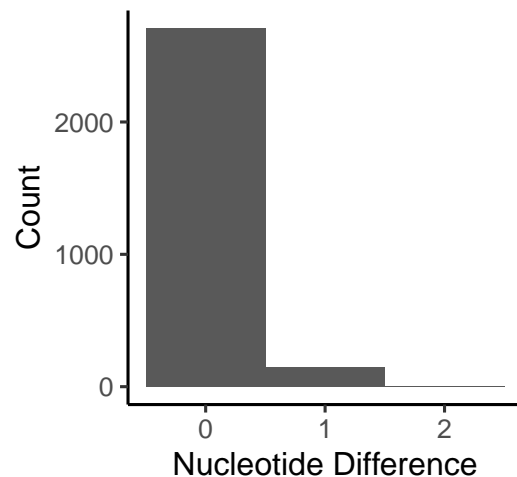
TRBV5-6*ap01

3280 sequences assigned
3225 (98.3%) exact matches, in which:
3142 unique CDR3
13 unique J



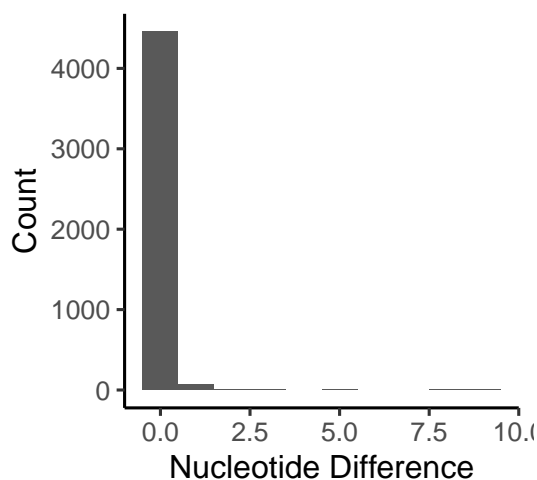
TRBV6-1*ap01

2864 sequences assigned
2707 (94.5%) exact matches, in which:
2647 unique CDR3
13 unique J



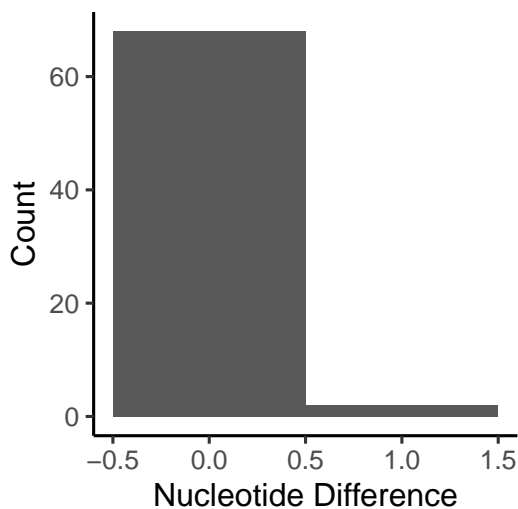
TRBV5-4*ap01

4537 sequences assigned
4456 (98.2%) exact matches, in which:
4355 unique CDR3
13 unique J



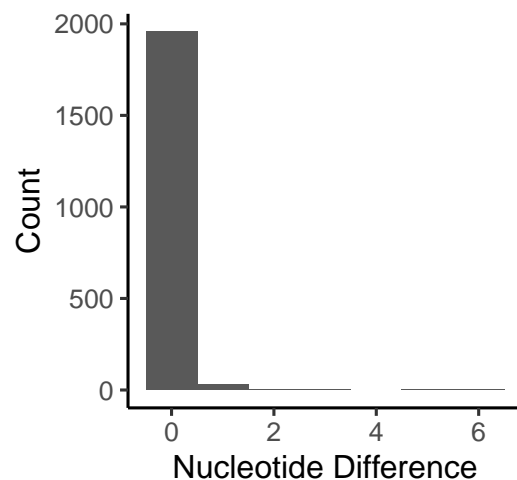
TRBV5-7*ap01

70 sequences assigned
68 (97.1%) exact matches, in which:
67 unique CDR3
11 unique J



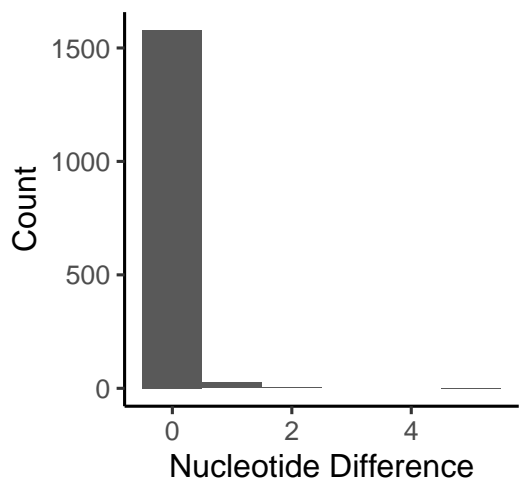
TRBV6-4*ap01

1991 sequences assigned
1957 (98.3%) exact matches, in which:
1916 unique CDR3
13 unique J



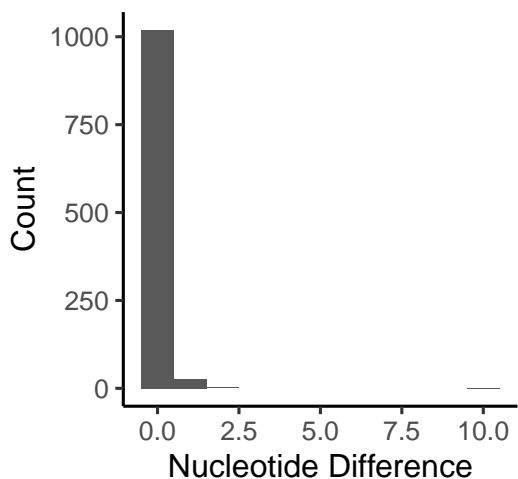
TRBV5-5*ap01

1609 sequences assigned
1579 (98.1%) exact matches, in which:
1541 unique CDR3
13 unique J



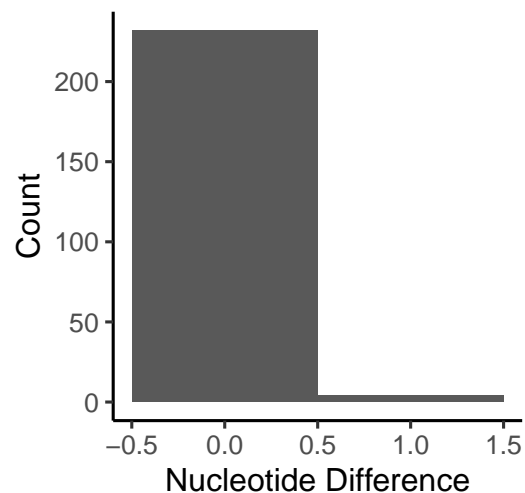
TRBV5-8*ap01

1049 sequences assigned
1019 (97.1%) exact matches, in which:
993 unique CDR3
13 unique J



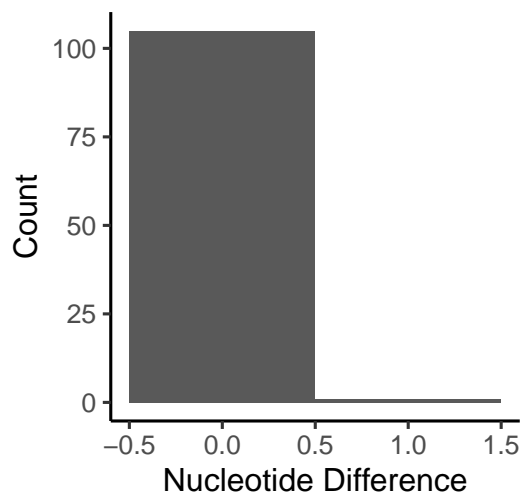
TRBV6-7*ap01

236 sequences assigned
232 (98.3%) exact matches, in which:
228 unique CDR3
13 unique J



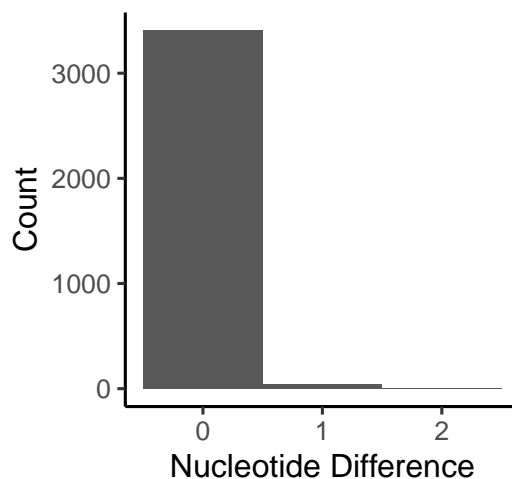
TRBV6-8*ap01

106 sequences assigned
105 (99.1%) exact matches, in which:
100 unique CDR3
12 unique J



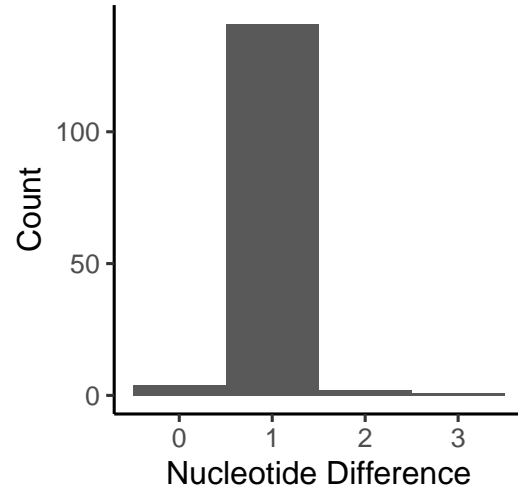
TRBV6-56*ap01

3451 sequences assigned
3407 (98.7%) exact matches, in which:
3337 unique CDR3
13 unique J



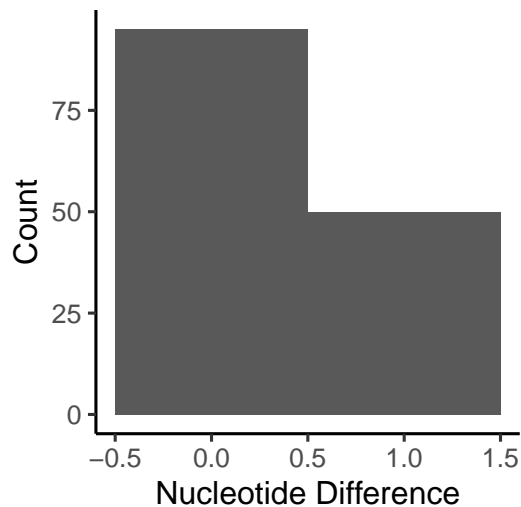
TRBV7-1*ap01_T296C_C

148 sequences assigned
4 (2.7%) exact matches, in which:
4 unique CDR3
3 unique J



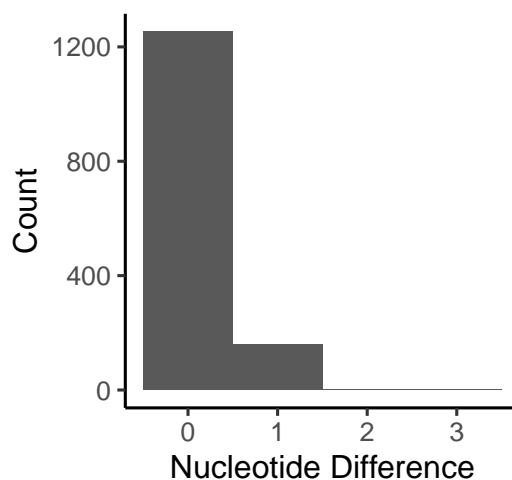
TRBV6-9*ap01

145 sequences assigned
95 (65.5%) exact matches, in which:
93 unique CDR3
12 unique J



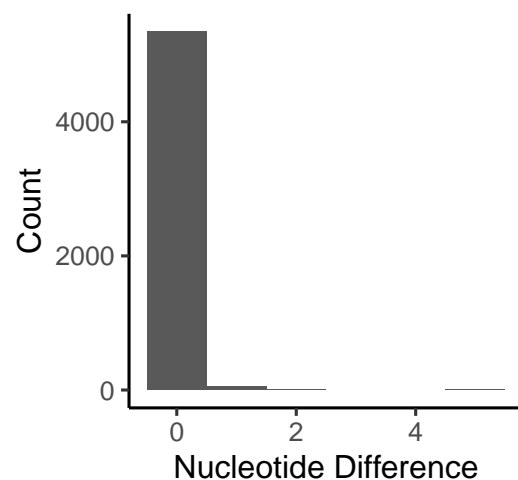
TRBV6-56*ap02

1416 sequences assigned
1253 (88.5%) exact matches, in which:
1209 unique CDR3
13 unique J



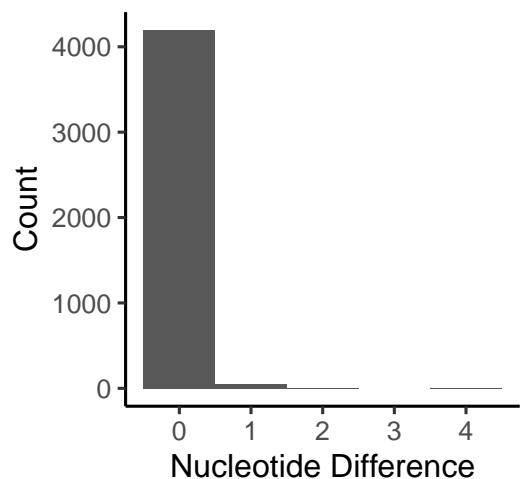
TRBV7-2*ap01

5406 sequences assigned
5343 (98.8%) exact matches, in which:
5217 unique CDR3
13 unique J



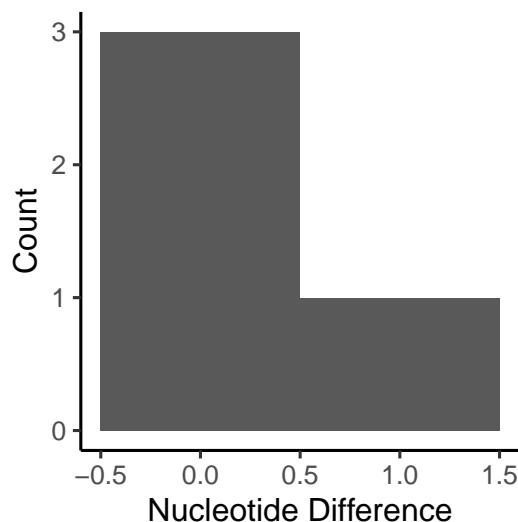
TRBV6-23*ap01

4251 sequences assigned
4196 (98.7%) exact matches, in which:
4091 unique CDR3
13 unique J



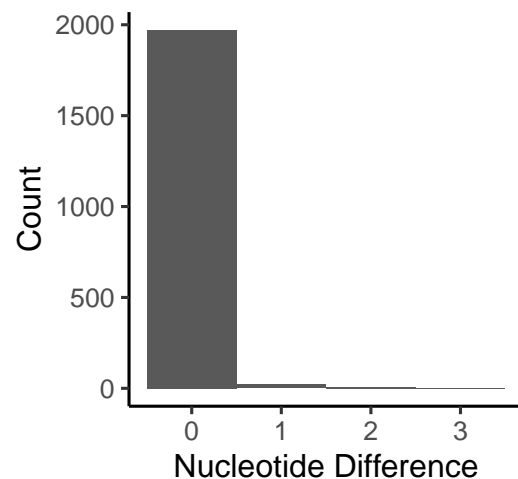
TRBV7-1*ap01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
3 unique J



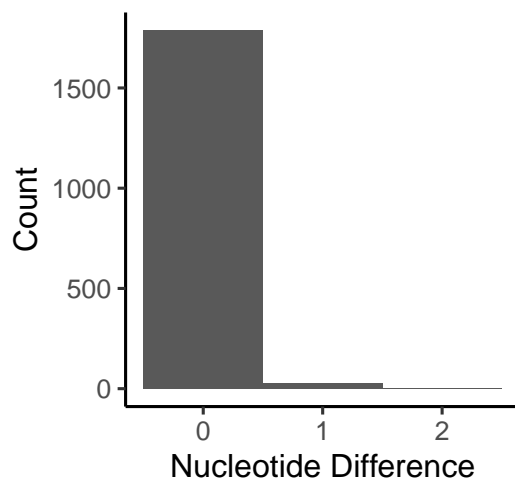
TRBV7-3*ap01

2002 sequences assigned
1971 (98.5%) exact matches, in which:
1922 unique CDR3
13 unique J



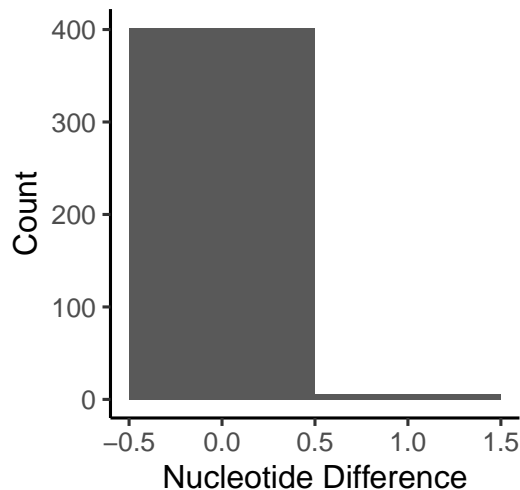
TRBV7-3*ap01_G301A

1816 sequences assigned
1787 (98.4%) exact matches, in which:
1741 unique CDR3
13 unique J



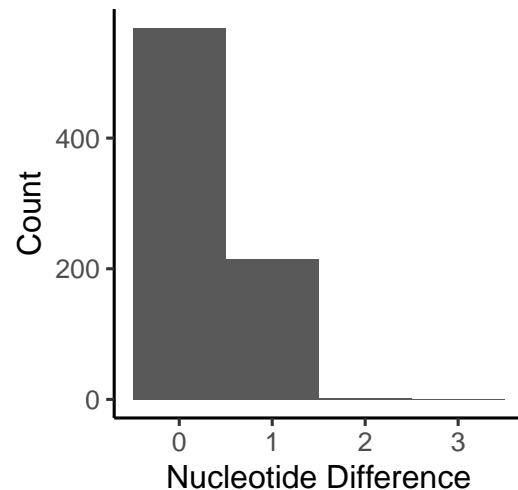
TRBV7-7*ap01

408 sequences assigned
402 (98.5%) exact matches, in which:
399 unique CDR3
13 unique J



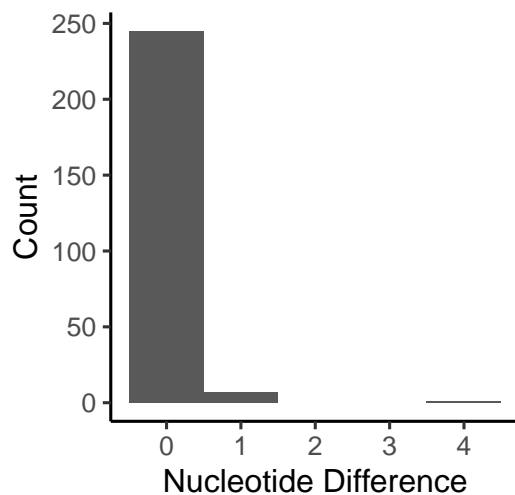
TRBV7-8*ap03

787 sequences assigned
569 (72.3%) exact matches, in which:
549 unique CDR3
13 unique J



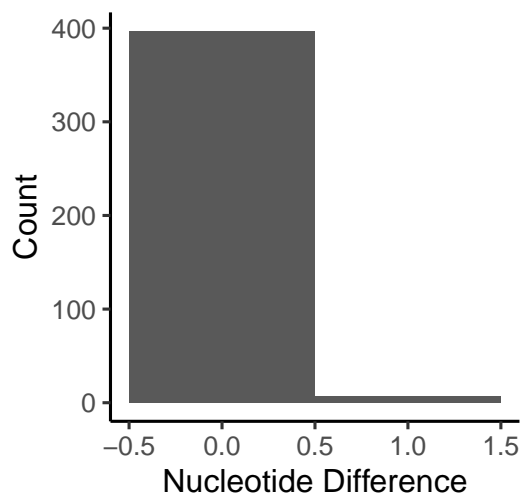
TRBV7-4*ap01

253 sequences assigned
245 (96.8%) exact matches, in which:
239 unique CDR3
13 unique J



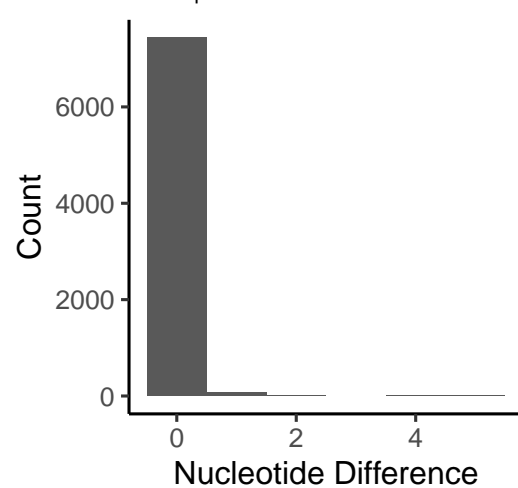
TRBV7-7*ap01_C315T

404 sequences assigned
397 (98.3%) exact matches, in which:
386 unique CDR3
13 unique J



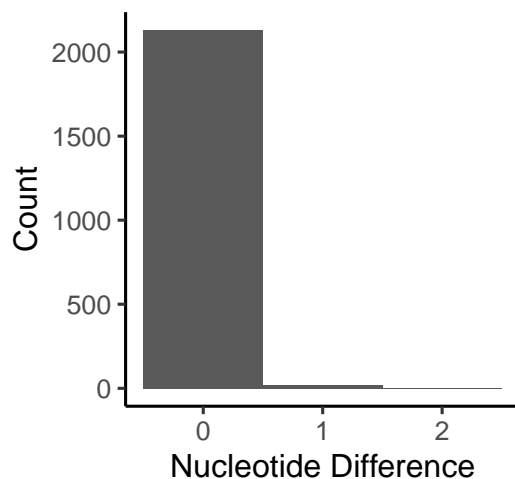
TRBV7-9*ap01

7521 sequences assigned
7436 (98.9%) exact matches, in which:
7264 unique CDR3
13 unique J



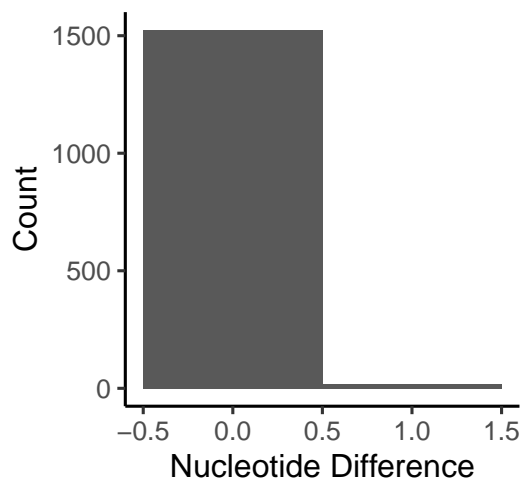
TRBV7-6*ap01

2153 sequences assigned
2131 (99%) exact matches, in which:
2065 unique CDR3
13 unique J



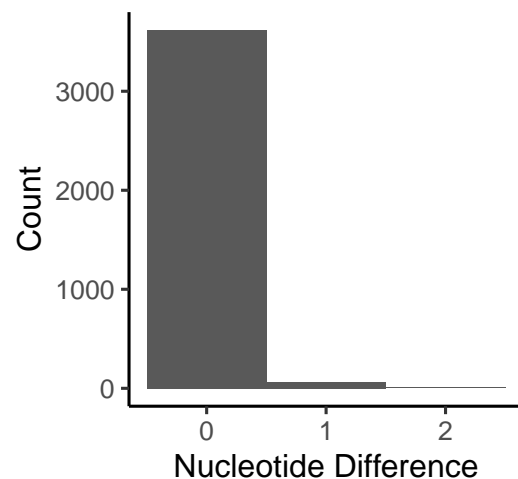
TRBV7-8*ap01

1543 sequences assigned
1524 (98.8%) exact matches, in which:
1470 unique CDR3
13 unique J



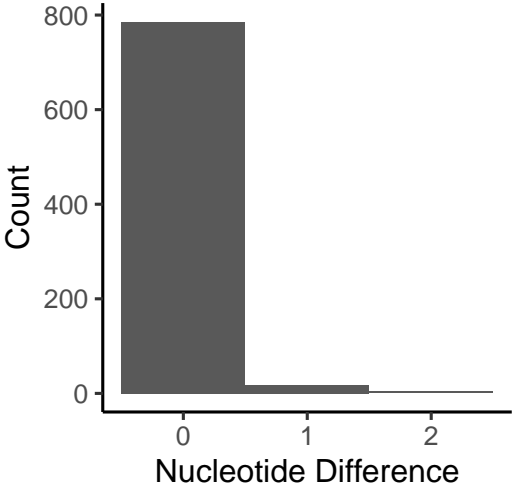
TRBV29-1*ap01

3689 sequences assigned
3618 (98.1%) exact matches, in which:
3545 unique CDR3
13 unique J

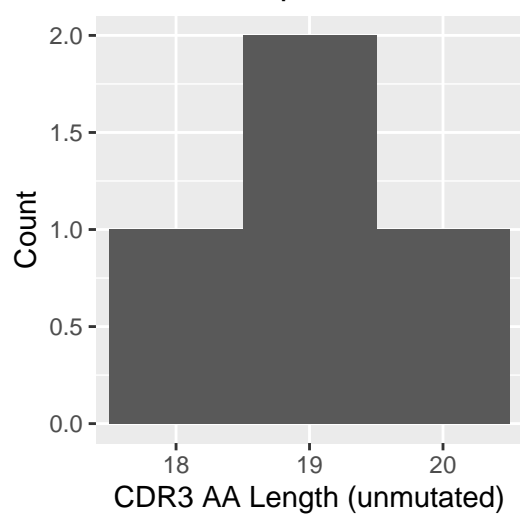


TRBV29-1*ap02

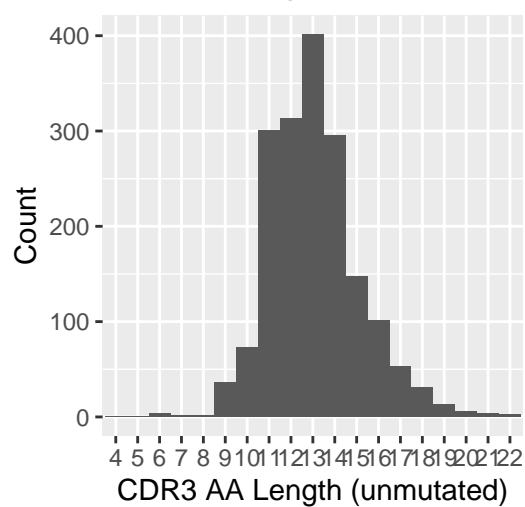
808 sequences assigned
786 (97.3%) exact matches, in which:
770 unique CDR3
13 unique J



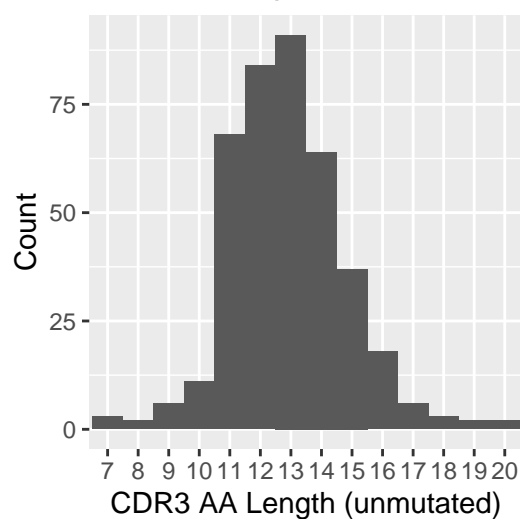
TRBV7-1*ap01_T296C_C314T

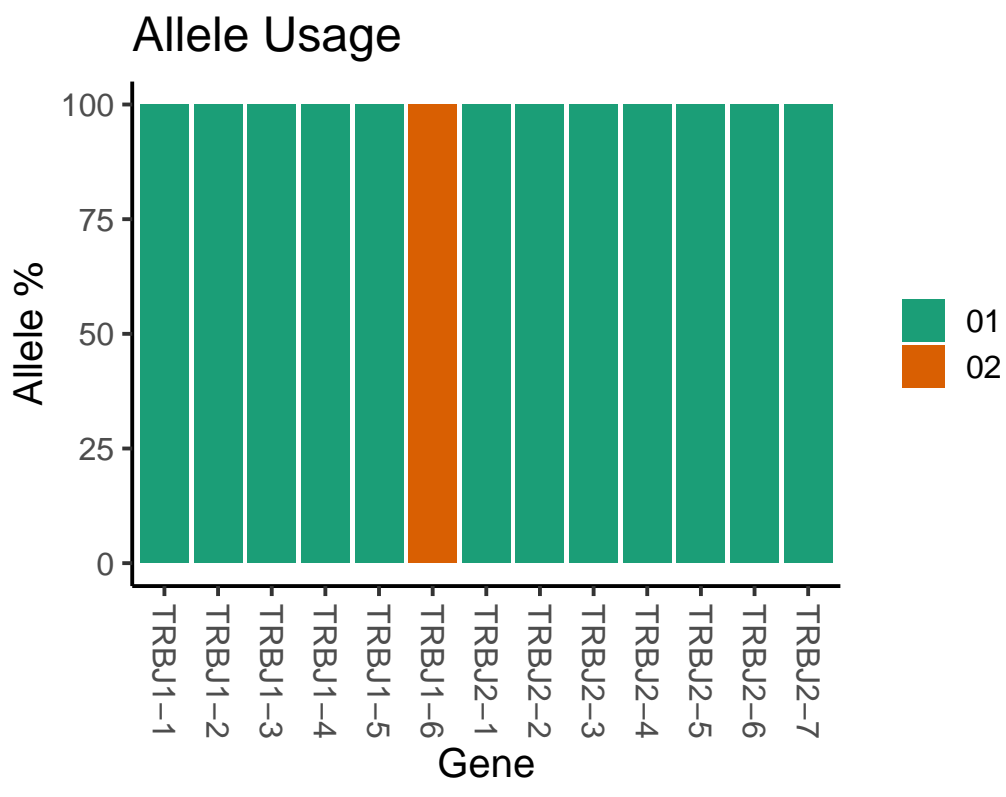


TRBV7-3*ap01_G301A



TRBV7-7*ap01_C315T





[illegible]