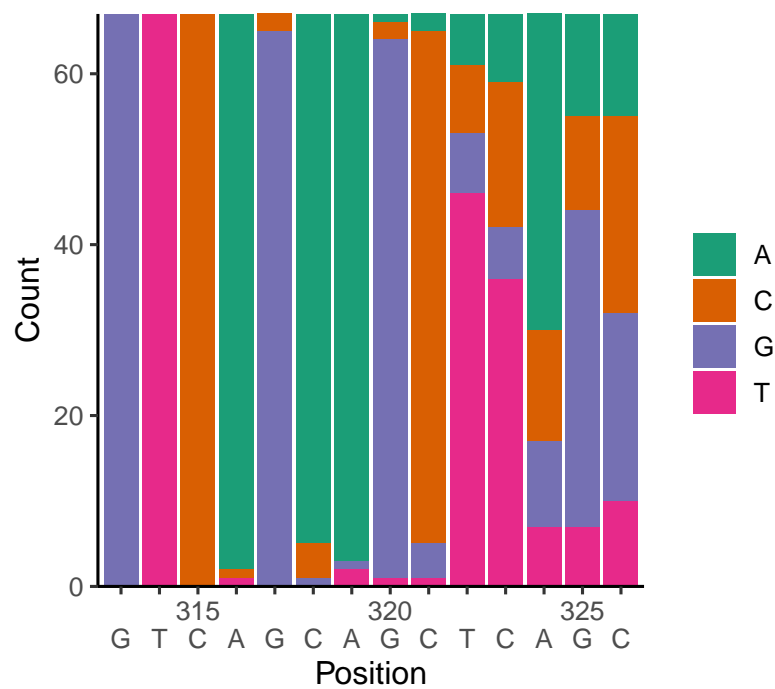
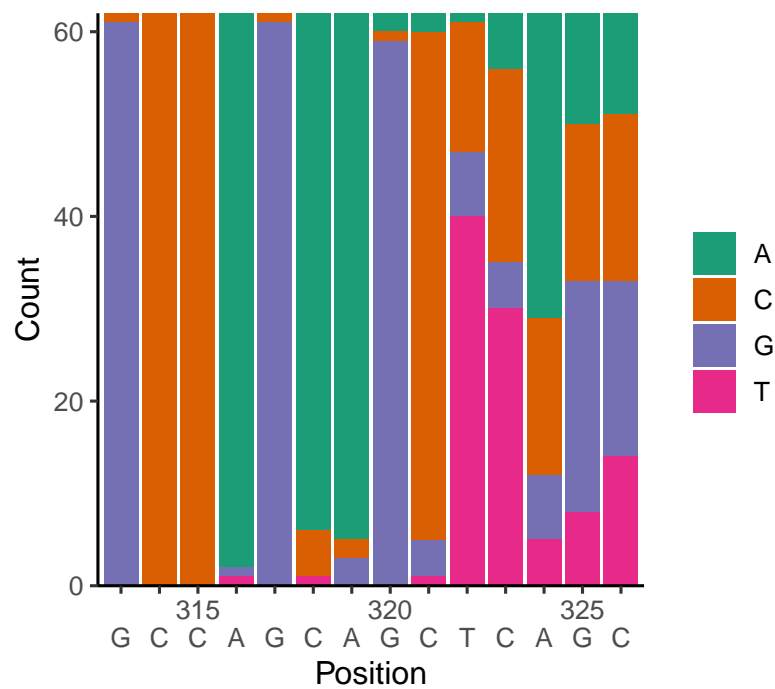


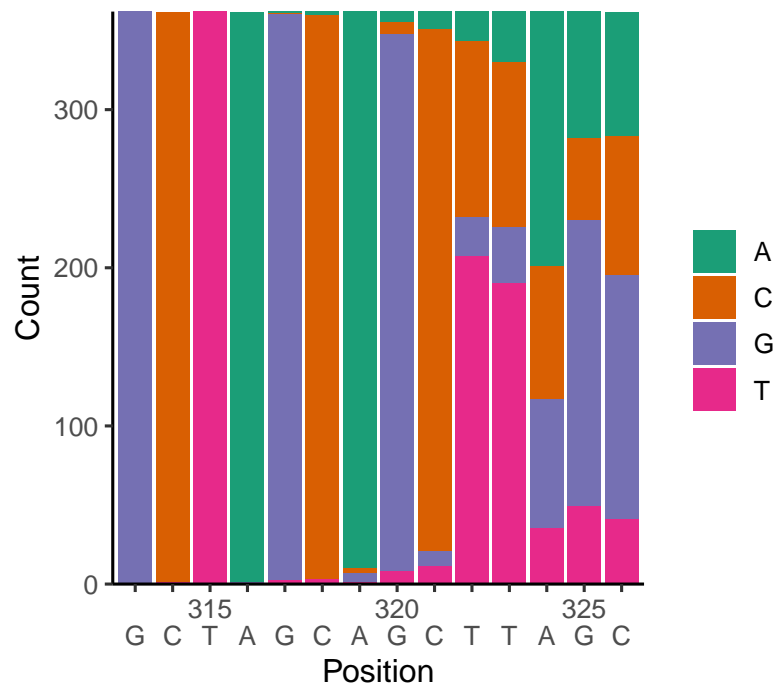
Gene TRBV7-1*ap01_G291C_T296C_C314T



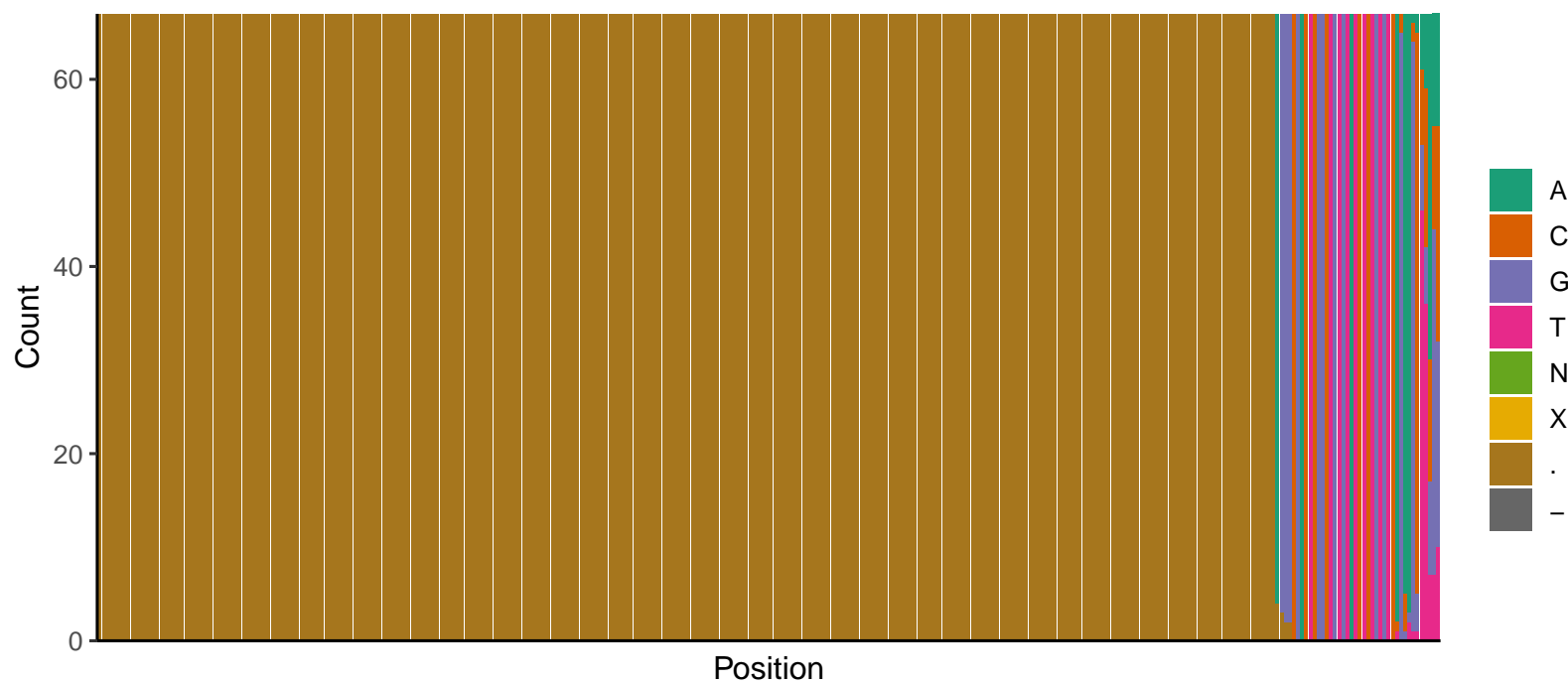
Gene TRBV7-1*ap01_G291C_T296C



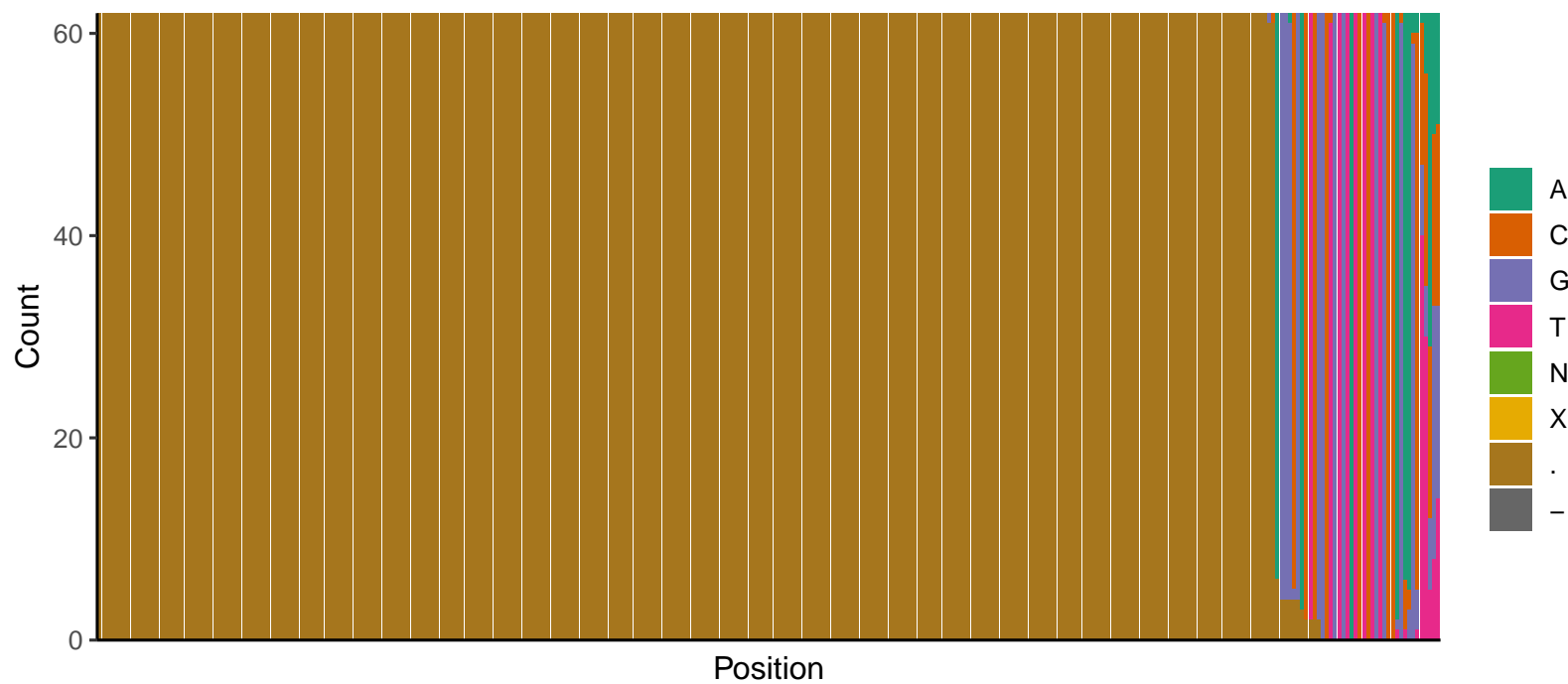
Gene TRBV7-7*ap01_C315T



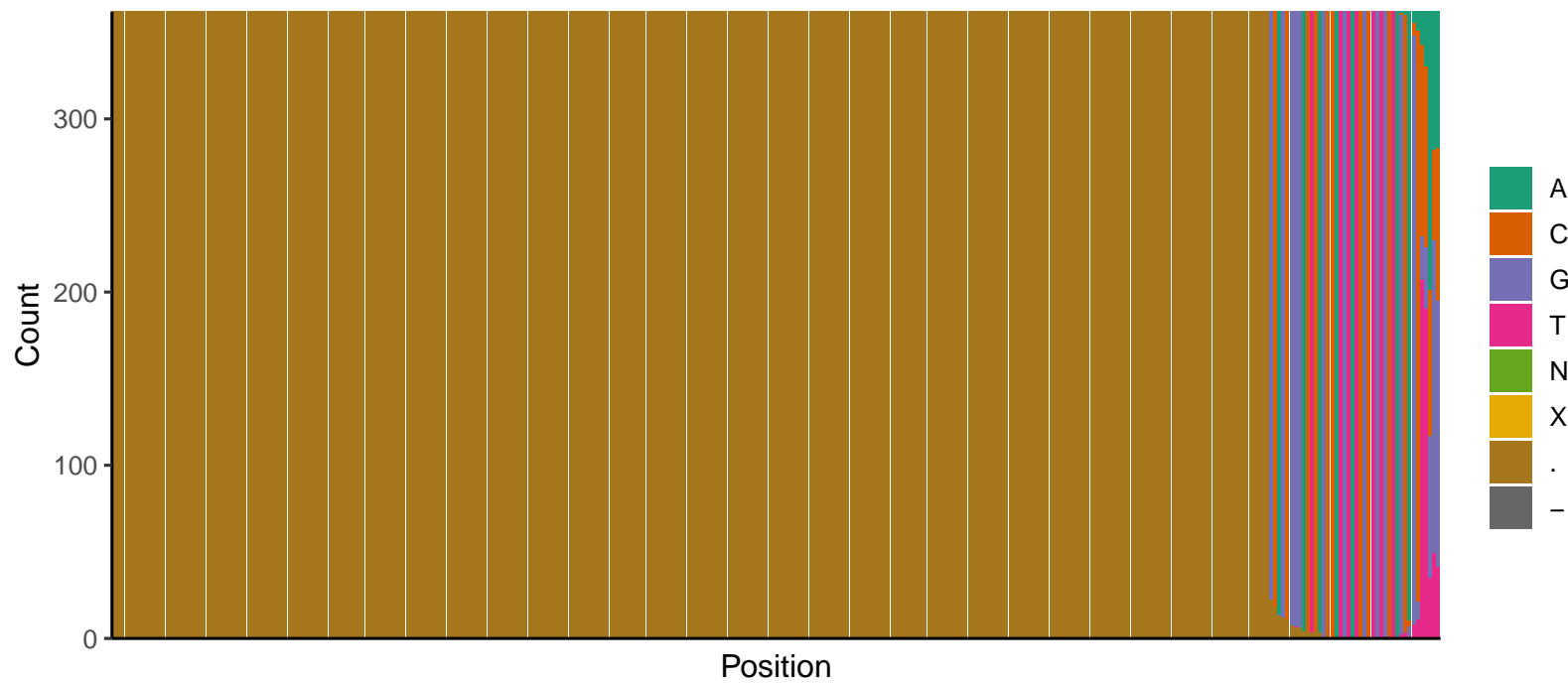
Gene TRBV7-1*ap01_G291C_T296C_C314T



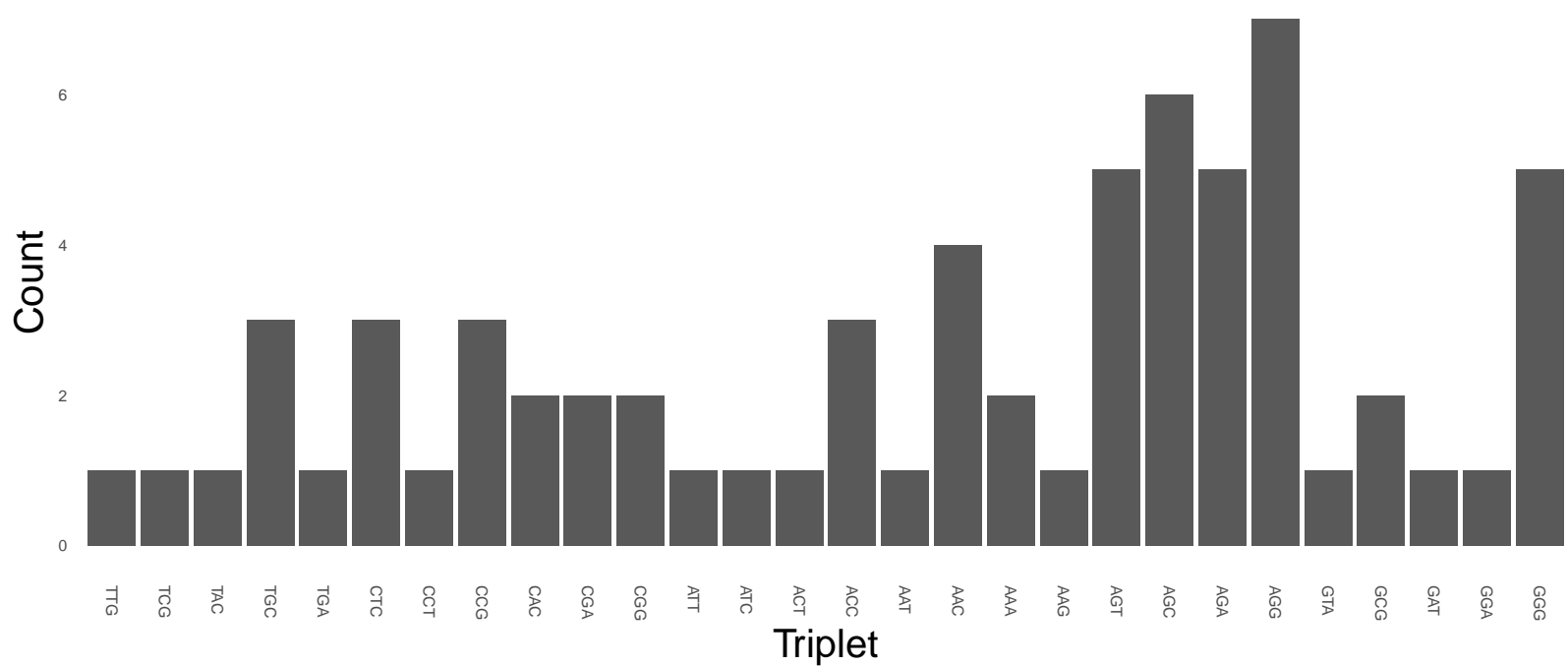
Gene TRBV7-1*ap01_G291C_T296C



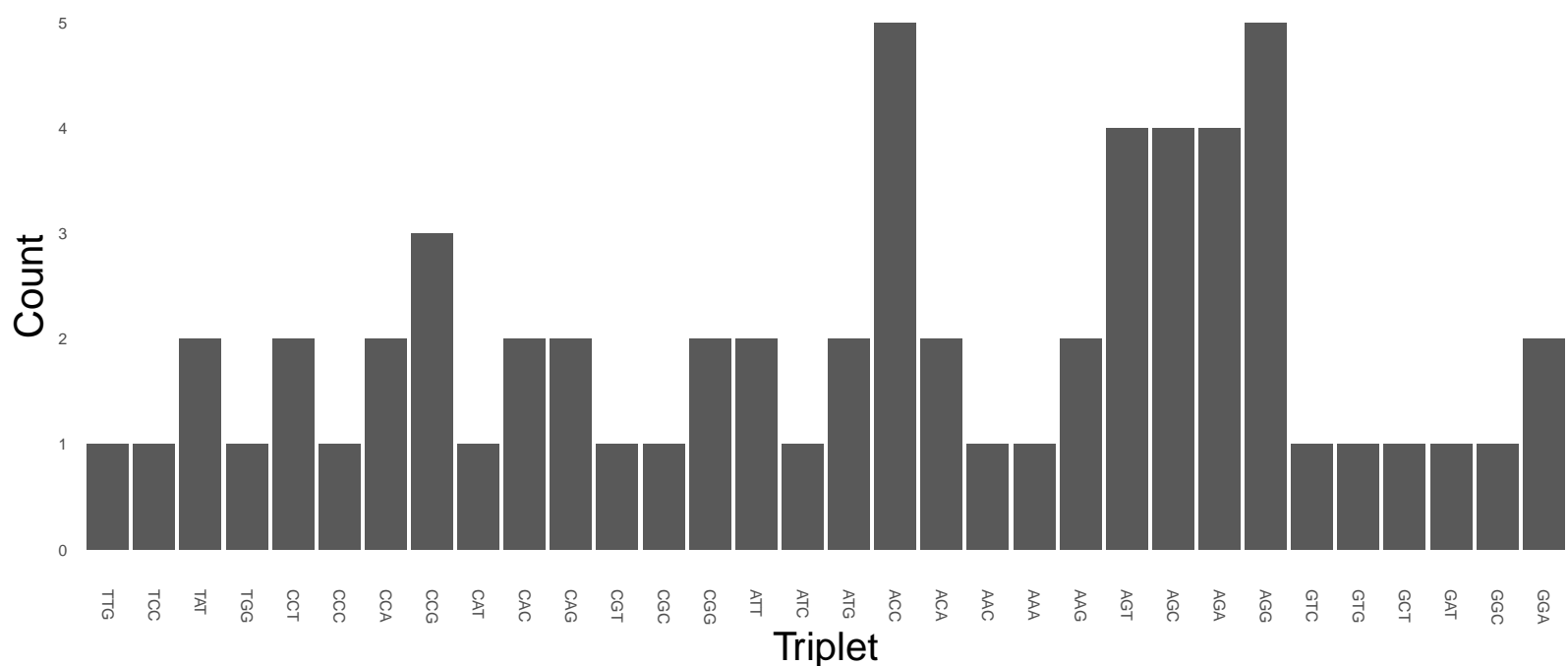
Gene TRBV7-7*ap01_C315T



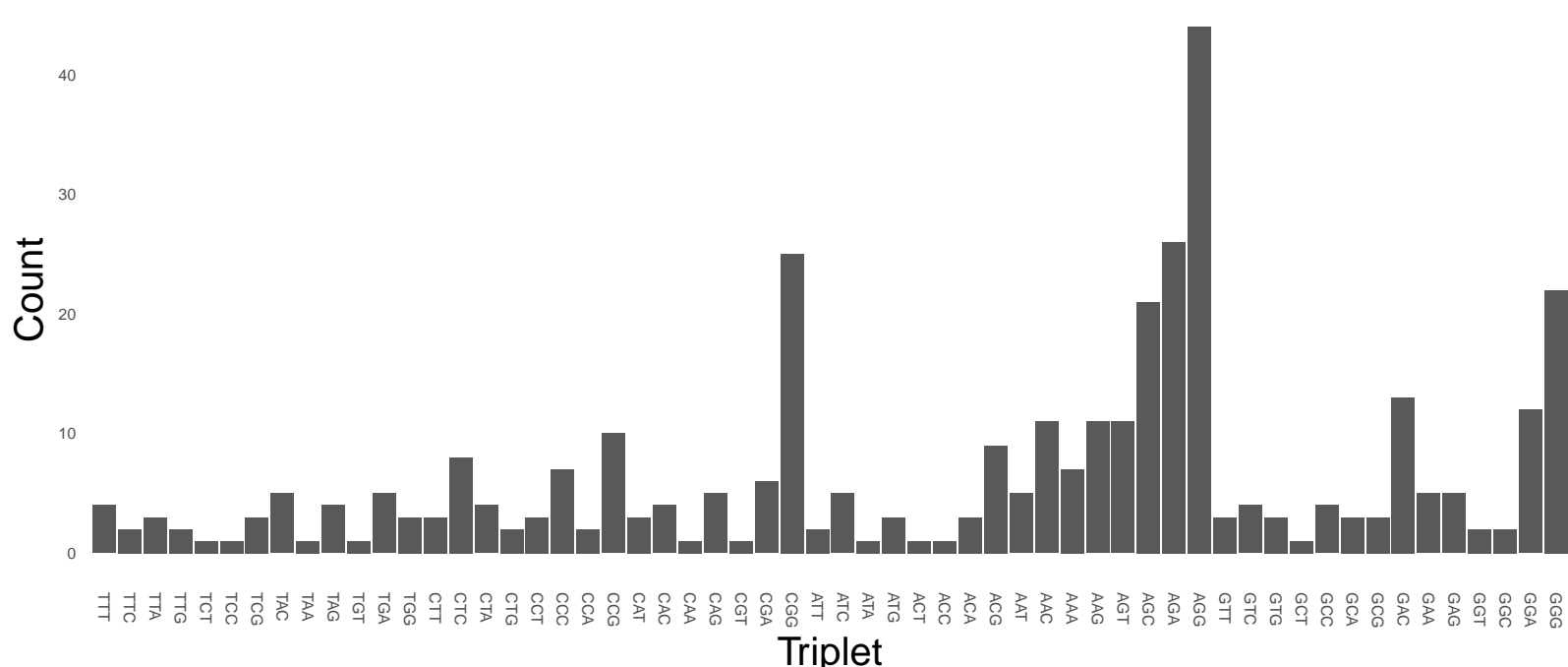
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

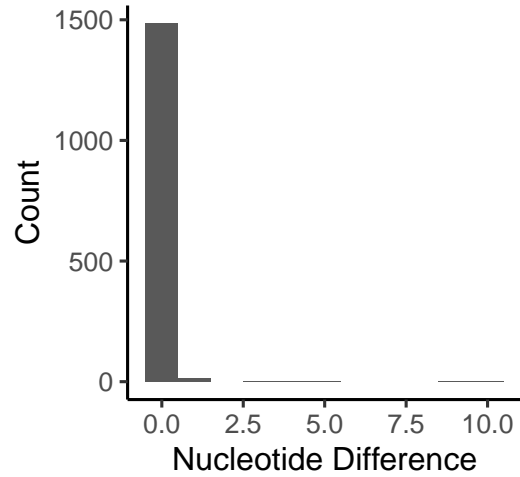


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



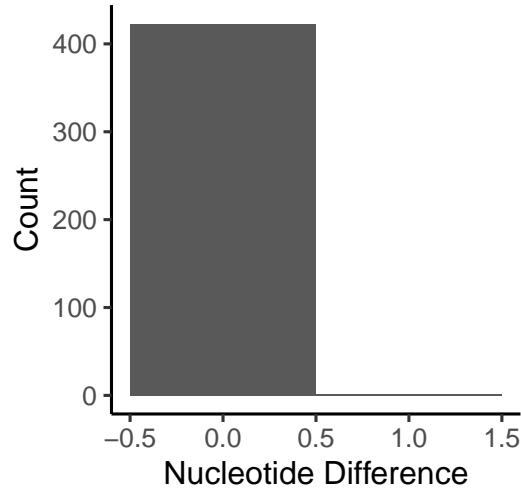
TRBV10-1*ap01

1504 sequences assigned
1485 (98.7%) exact matches, in which:
1478 unique CDR3
13 unique J



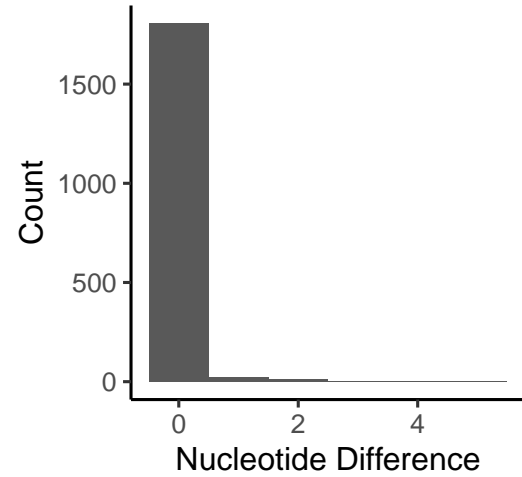
TRBV10-2*ap01

425 sequences assigned
423 (99.5%) exact matches, in which:
420 unique CDR3
13 unique J



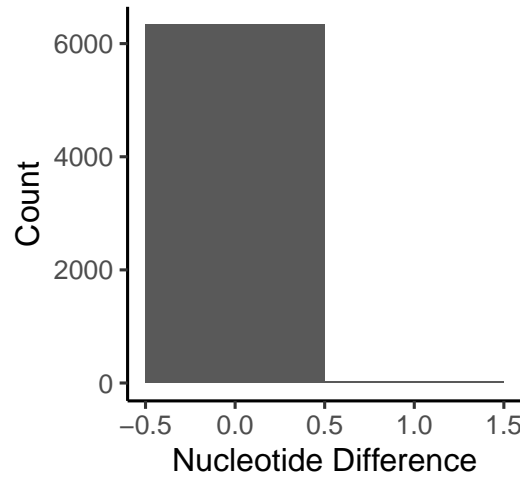
TRBV13*ap01

1848 sequences assigned
1806 (97.7%) exact matches, in which:
1795 unique CDR3
13 unique J



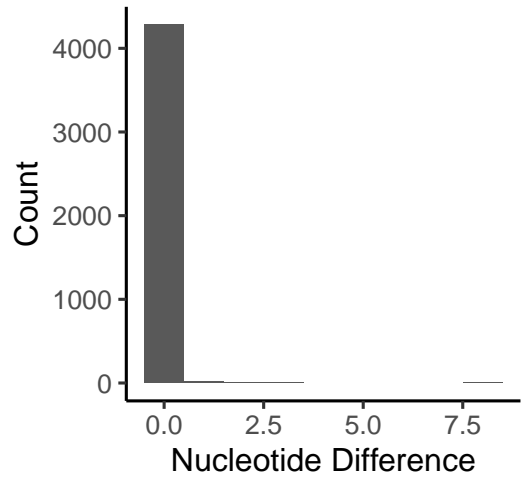
TRBV20-1*ap01

6367 sequences assigned
6334 (99.5%) exact matches, in which:
6305 unique CDR3
13 unique J



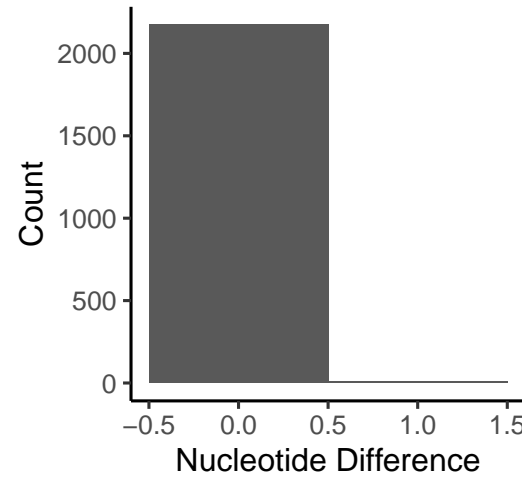
TRBV10-3*ap01

4307 sequences assigned
4282 (99.4%) exact matches, in which:
4257 unique CDR3
13 unique J



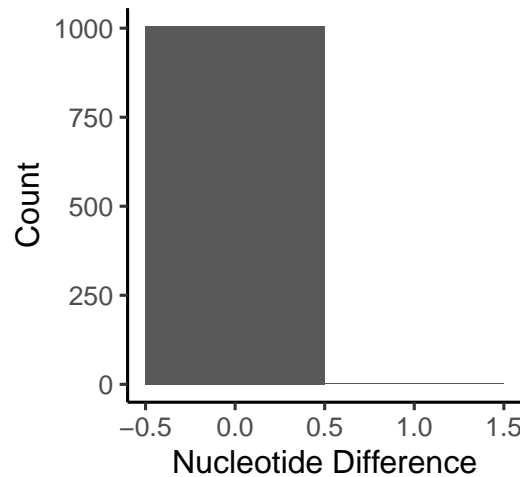
TRBV14*ap01

2184 sequences assigned
2174 (99.5%) exact matches, in which:
2165 unique CDR3
13 unique J



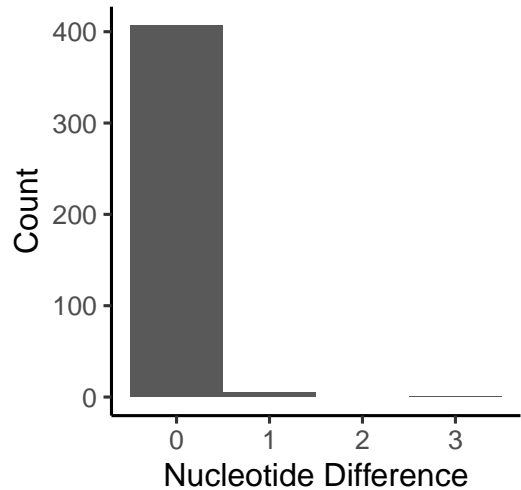
TRBV20-1*ap02

1008 sequences assigned
1006 (99.8%) exact matches, in which:
1000 unique CDR3
13 unique J



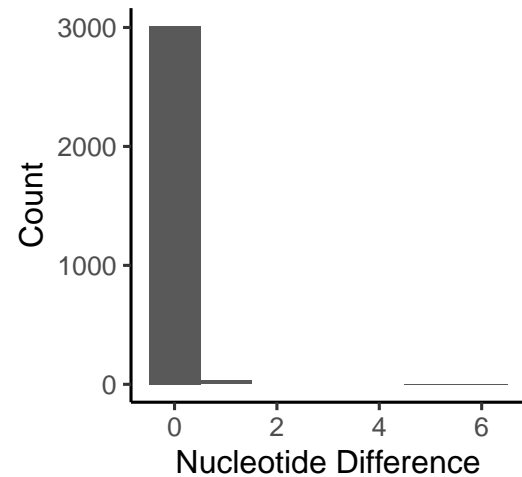
TRBV1*ap01

413 sequences assigned
407 (98.5%) exact matches, in which:
400 unique CDR3
13 unique J



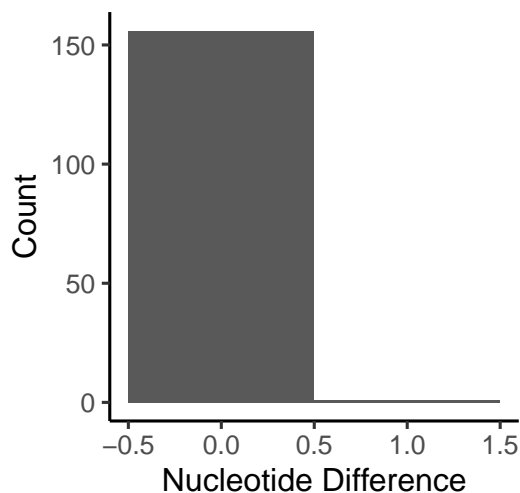
TRBV15*ap02

3045 sequences assigned
3012 (98.9%) exact matches, in which:
2987 unique CDR3
13 unique J



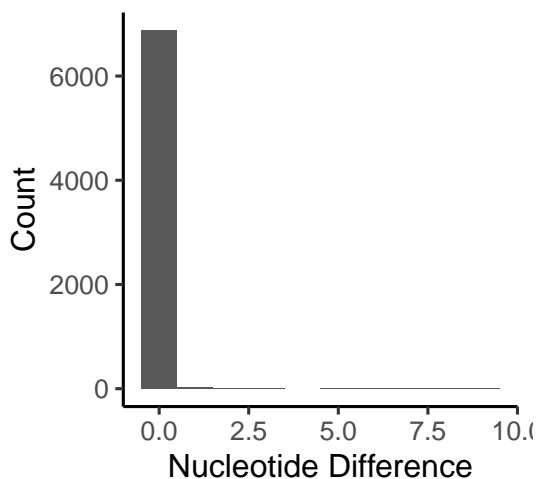
TRBV16*ap01

157 sequences assigned
156 (99.4%) exact matches, in which:
156 unique CDR3
13 unique J



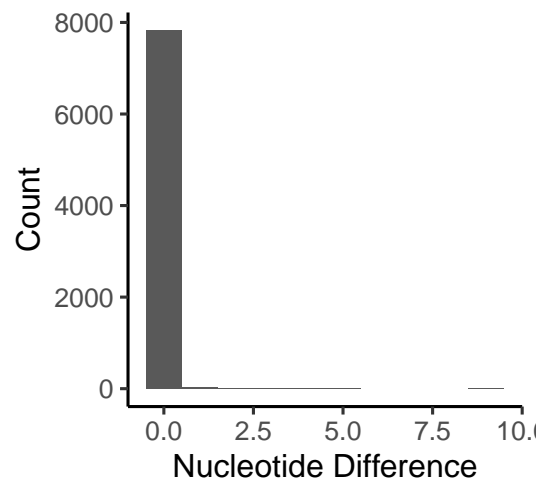
TRBV19*ap01

6922 sequences assigned
6876 (99.3%) exact matches, in which:
6860 unique CDR3
13 unique J



TRBV27*ap01

7873 sequences assigned
7826 (99.4%) exact matches, in which:
7779 unique CDR3
13 unique J



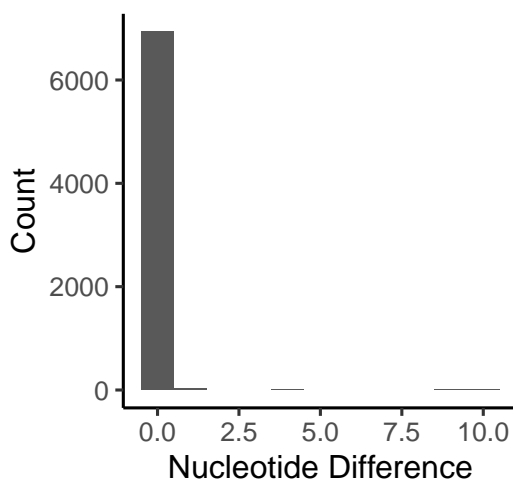
TRBV17*ap01

1 sequences assigned
No exact matches.



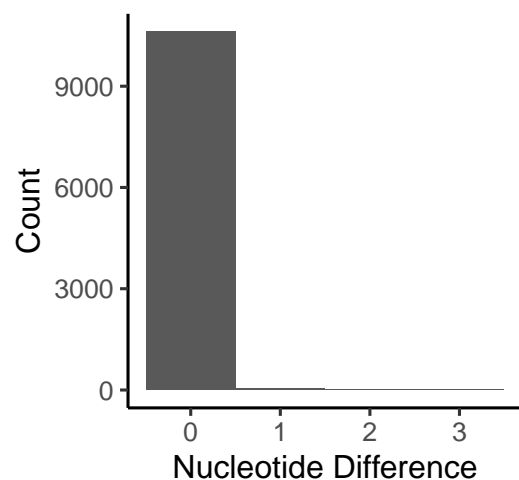
TRBV2*ap01

6972 sequences assigned
6934 (99.5%) exact matches, in which:
6894 unique CDR3
13 unique J



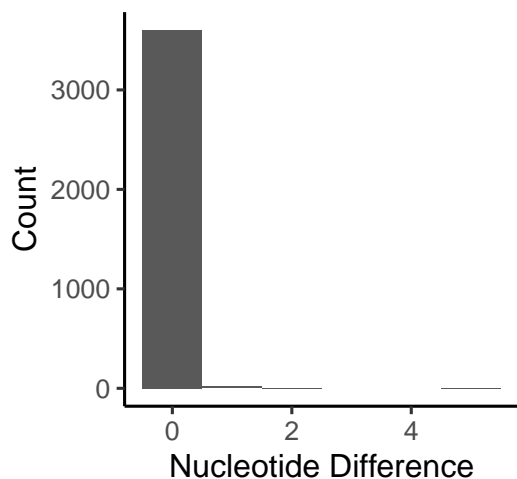
TRBV28*ap01

10668 sequences assigned
10614 (99.5%) exact matches, in which:
10580 unique CDR3
13 unique J



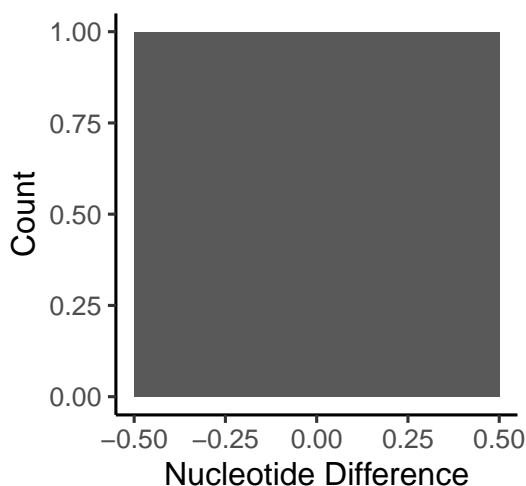
TRBV18*ap01

3622 sequences assigned
3602 (99.4%) exact matches, in which:
3597 unique CDR3
13 unique J



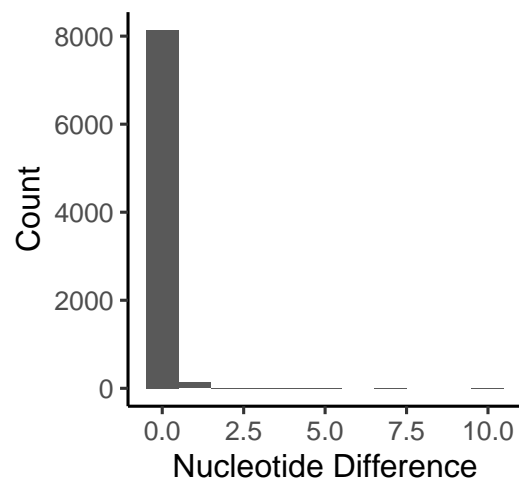
TRBV26*ap01

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



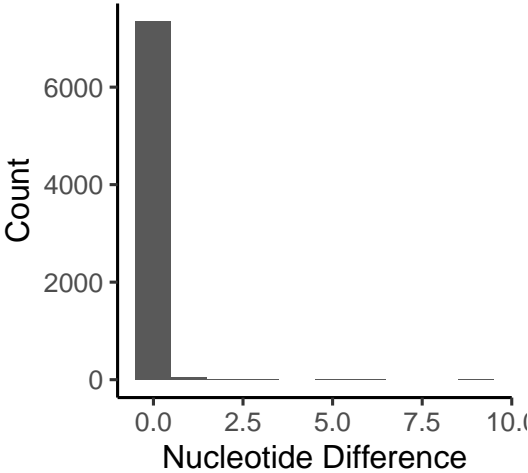
TRBV30*ap01

8281 sequences assigned
8138 (98.3%) exact matches, in which:
7987 unique CDR3
13 unique J



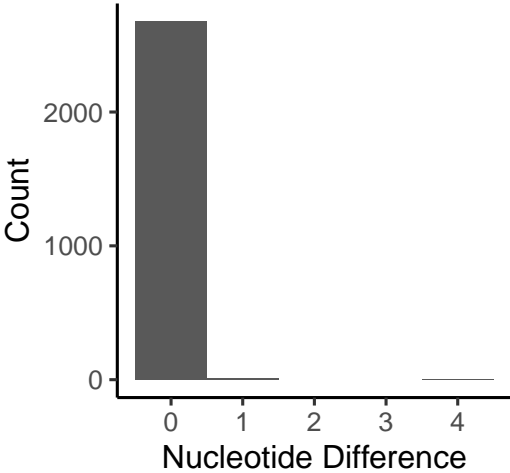
TRBV9*ap01

7409 sequences assigned
7348 (99.2%) exact matches, in which:
7321 unique CDR3
13 unique J



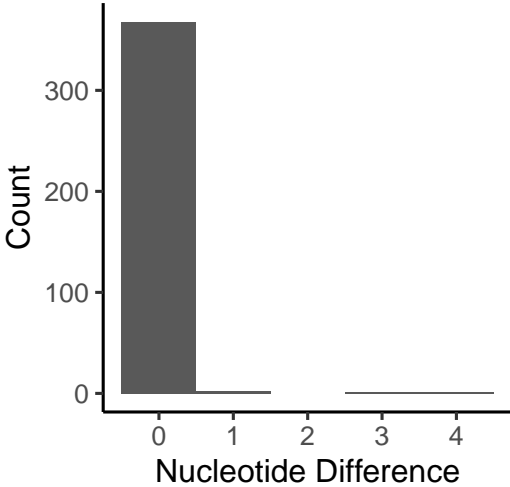
TRBV11-2*ap01

2688 sequences assigned
2677 (99.6%) exact matches, in which:
2667 unique CDR3
13 unique J



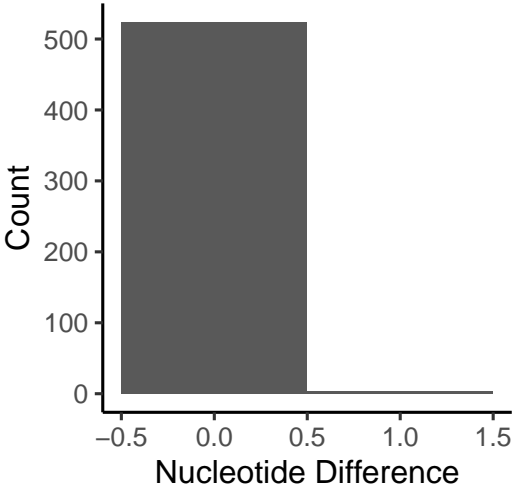
TRBV12-2*ap01

372 sequences assigned
368 (98.9%) exact matches, in which:
365 unique CDR3
13 unique J



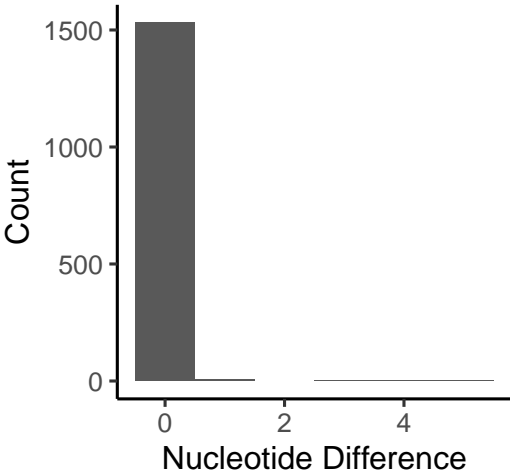
TRBV11-1*ap01

528 sequences assigned
524 (99.2%) exact matches, in which:
522 unique CDR3
13 unique J



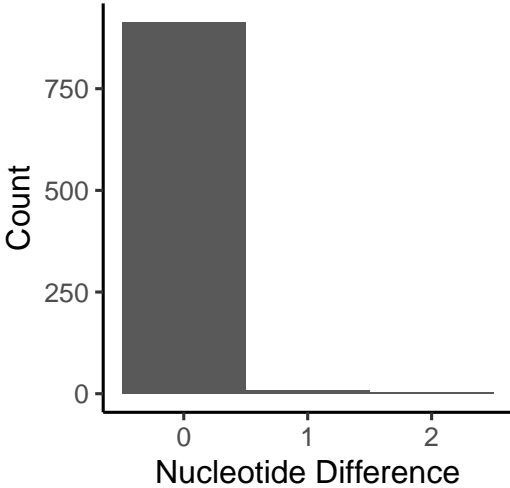
TRBV11-3*ap01

1542 sequences assigned
1531 (99.3%) exact matches, in which:
1527 unique CDR3
13 unique J



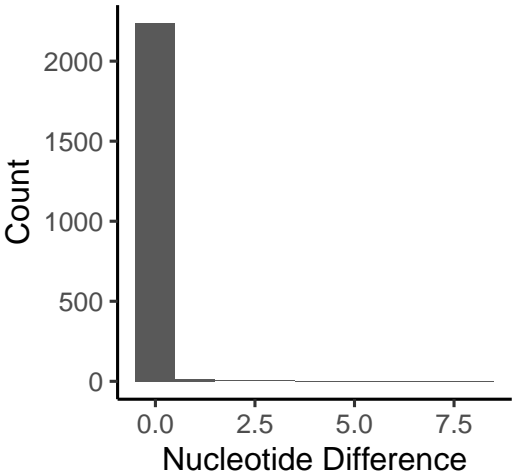
TRBV12-5*ap01

925 sequences assigned
914 (98.8%) exact matches, in which:
911 unique CDR3
13 unique J



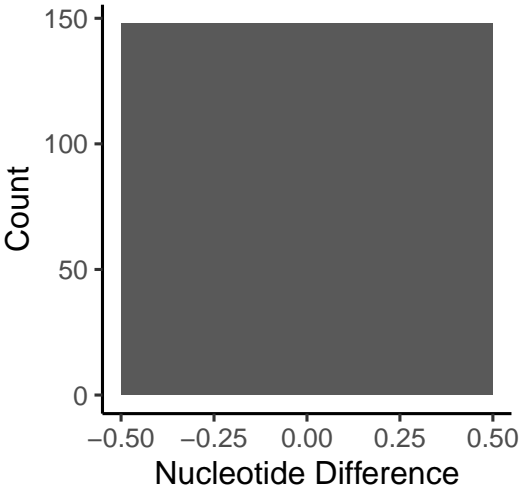
TRBV21-1*ap01

2269 sequences assigned
2238 (98.6%) exact matches, in which:
2234 unique CDR3
13 unique J



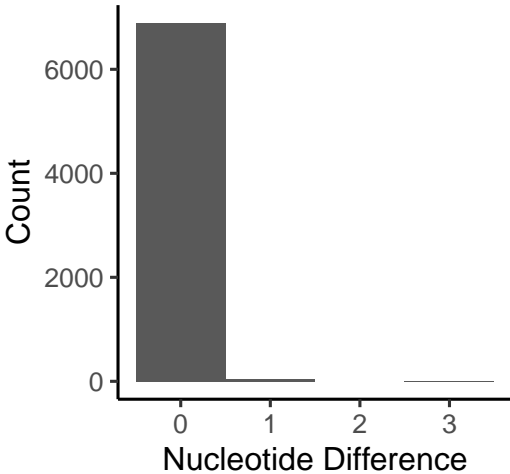
TRBV12-1*ap01

148 sequences assigned
148 (100%) exact matches, in which:
147 unique CDR3
13 unique J



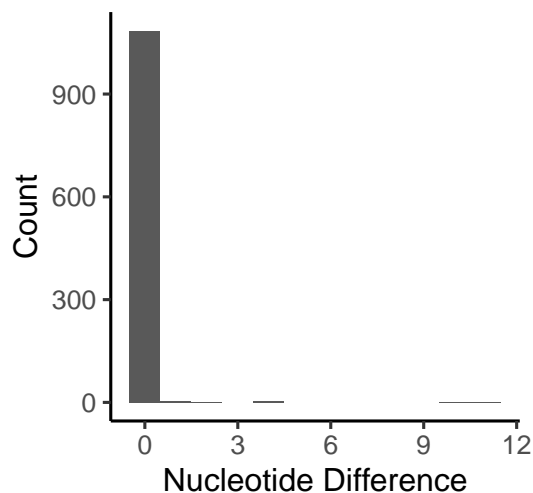
TRBV12-34*ap01

6932 sequences assigned
6890 (99.4%) exact matches, in which:
6852 unique CDR3
13 unique J



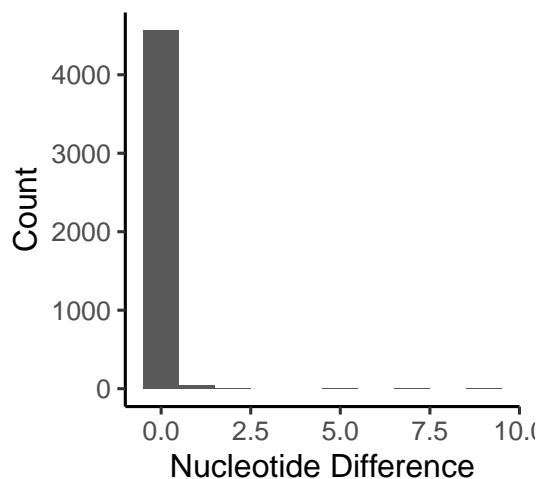
TRBV23-1*ap01

1096 sequences assigned
1085 (99%) exact matches, in which:
1082 unique CDR3
13 unique J



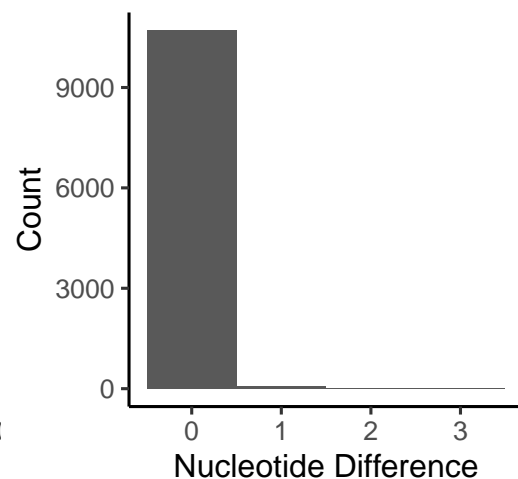
TRBV24-1*ap01

4615 sequences assigned
4565 (98.9%) exact matches, in which:
4531 unique CDR3
13 unique J



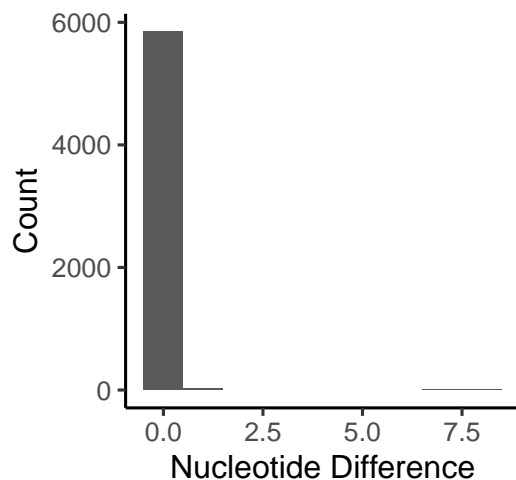
TRBV5-1*ap01

10802 sequences assigned
10706 (99.1%) exact matches, in which:
10638 unique CDR3
13 unique J



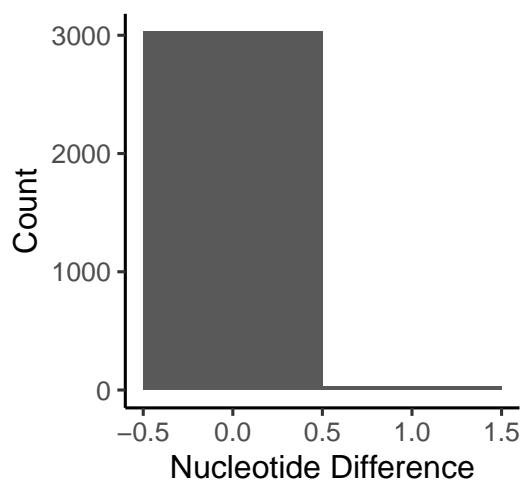
TRBV3-12*ap01

5869 sequences assigned
5847 (99.6%) exact matches, in which:
5833 unique CDR3
13 unique J



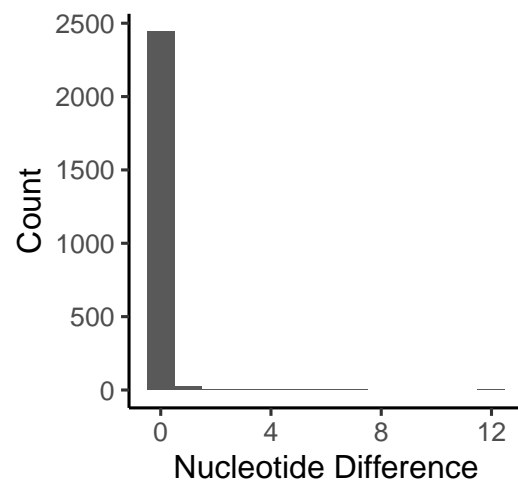
TRBV4-2*ap01

3059 sequences assigned
3030 (99.1%) exact matches, in which:
3011 unique CDR3
13 unique J



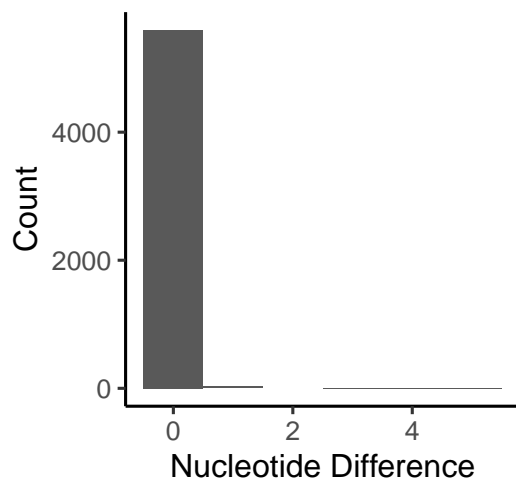
TRBV25-1*ap01

2479 sequences assigned
2442 (98.5%) exact matches, in which:
2394 unique CDR3
13 unique J



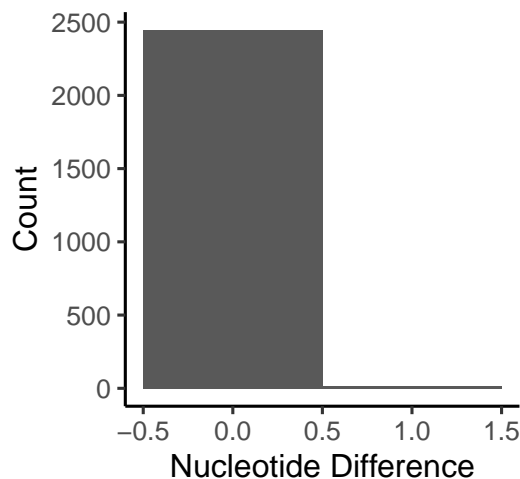
TRBV4-1*ap01

5627 sequences assigned
5595 (99.4%) exact matches, in which:
5549 unique CDR3
13 unique J



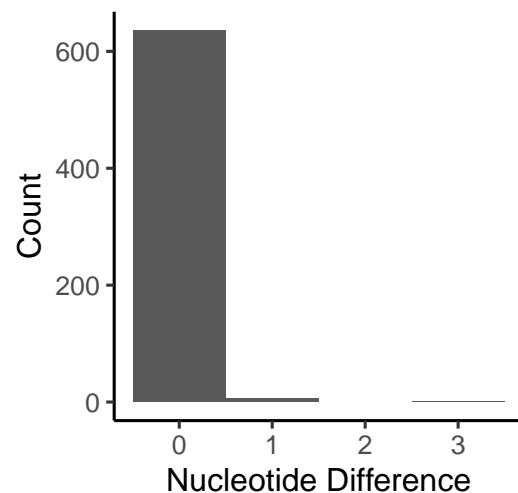
TRBV4-3*ap01

2462 sequences assigned
2446 (99.4%) exact matches, in which:
2428 unique CDR3
13 unique J



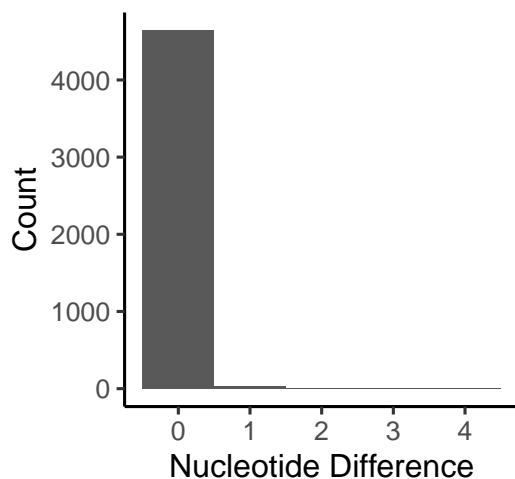
TRBV5-3*ap01

643 sequences assigned
636 (98.9%) exact matches, in which:
632 unique CDR3
13 unique J



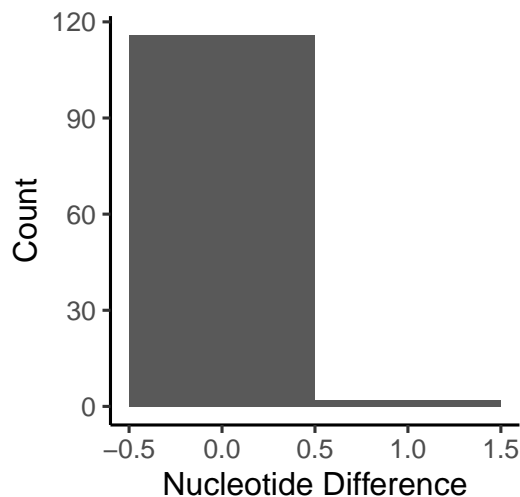
TRBV5-4*ap01

4673 sequences assigned
4642 (99.3%) exact matches, in which:
4614 unique CDR3
13 unique J



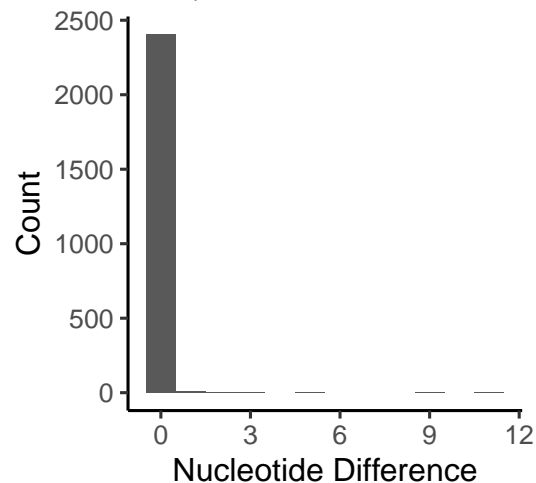
TRBV5-7*ap01

118 sequences assigned
116 (98.3%) exact matches, in which:
113 unique CDR3
13 unique J



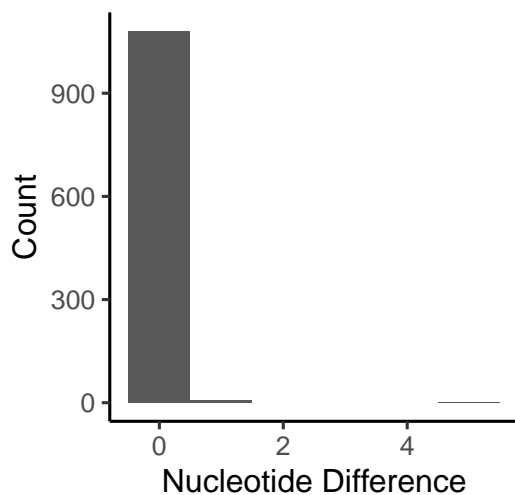
TRBV6-4*ap01

2424 sequences assigned
2405 (99.2%) exact matches, in which:
2397 unique CDR3
13 unique J



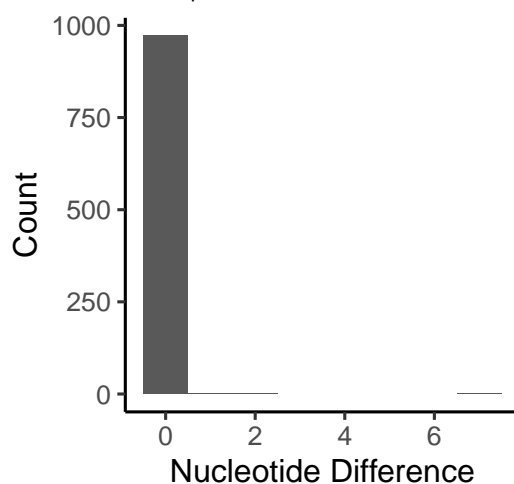
TRBV5-5*ap01

1088 sequences assigned
1081 (99.4%) exact matches, in which:
1079 unique CDR3
13 unique J



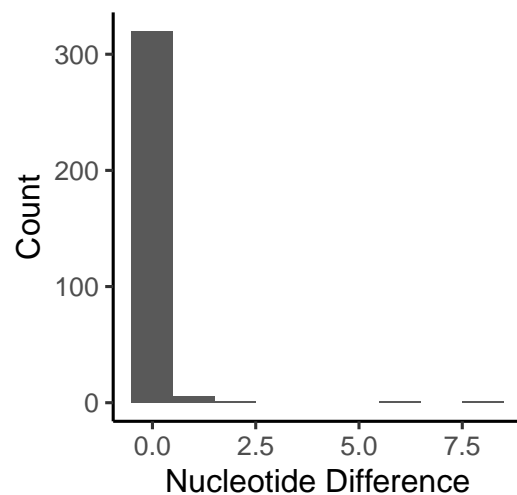
TRBV5-8*ap01

976 sequences assigned
972 (99.6%) exact matches, in which:
970 unique CDR3
13 unique J



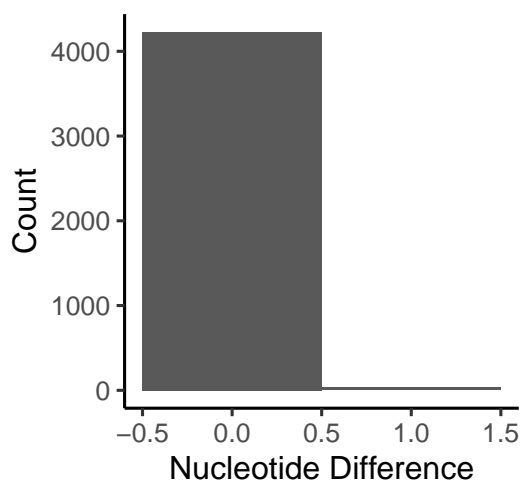
TRBV6-7*ap01

329 sequences assigned
320 (97.3%) exact matches, in which:
318 unique CDR3
13 unique J



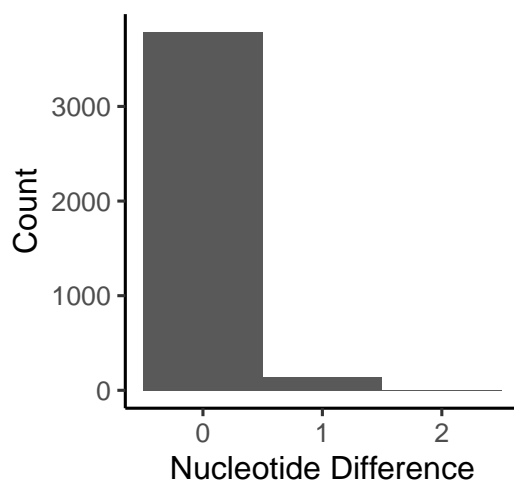
TRBV5-6*ap01

4260 sequences assigned
4227 (99.2%) exact matches, in which:
4175 unique CDR3
13 unique J



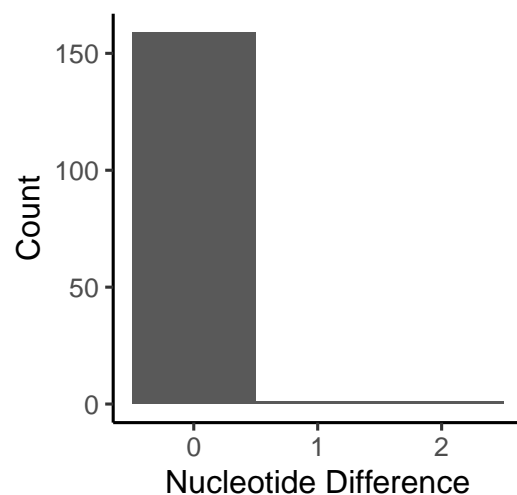
TRBV6-1*ap01

3931 sequences assigned
3786 (96.3%) exact matches, in which:
3749 unique CDR3
13 unique J



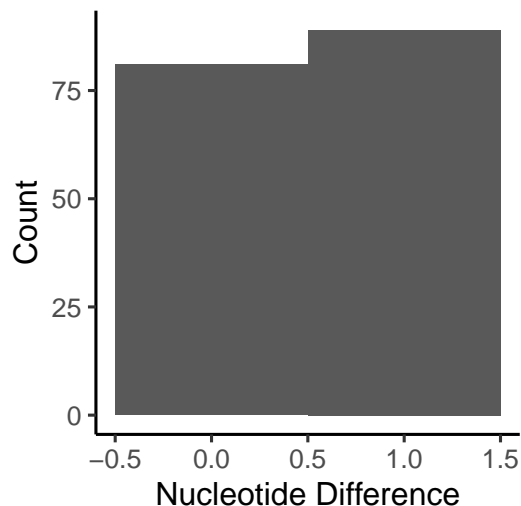
TRBV6-8*ap01

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



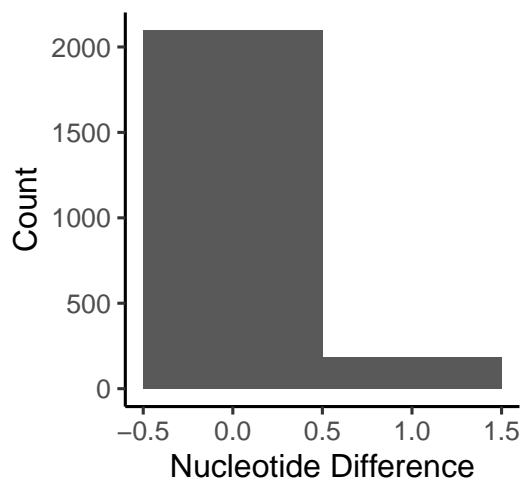
TRBV6-9*ap01

170 sequences assigned
81 (47.6%) exact matches, in which:
79 unique CDR3
13 unique J



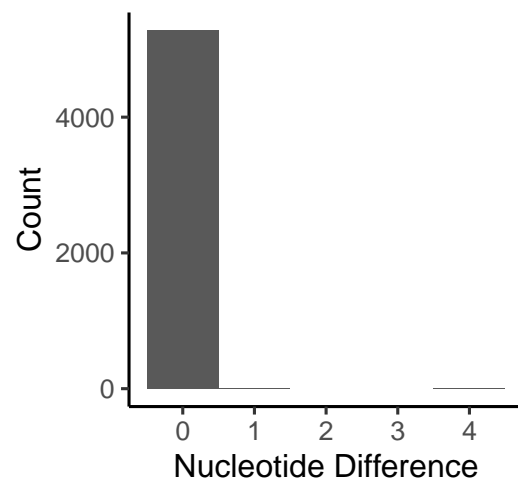
TRBV6-56*ap02

2282 sequences assigned
2097 (91.9%) exact matches, in which:
2070 unique CDR3
13 unique J



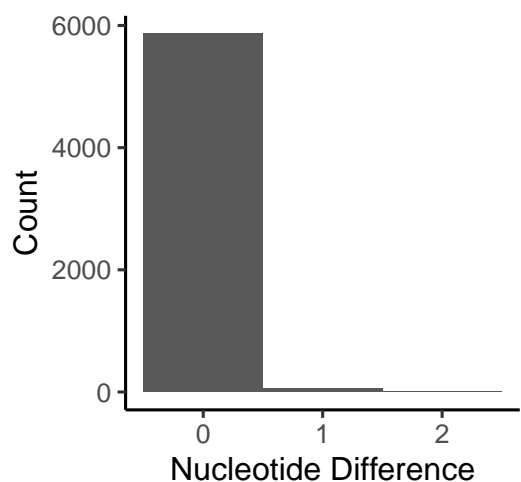
TRBV7-2*ap01

5294 sequences assigned
5278 (99.7%) exact matches, in which:
5254 unique CDR3
13 unique J



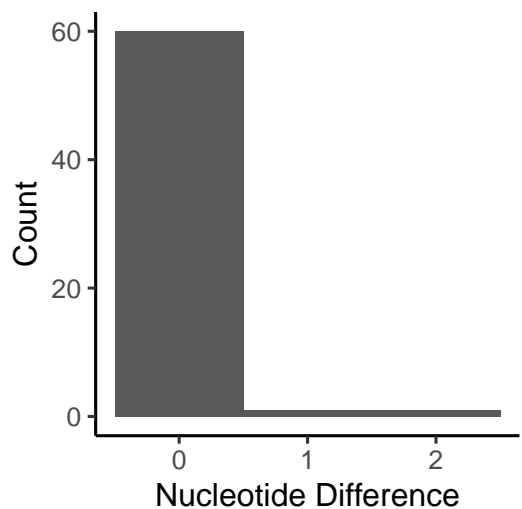
TRBV6-23*ap01

5922 sequences assigned
5865 (99%) exact matches, in which:
5783 unique CDR3
13 unique J



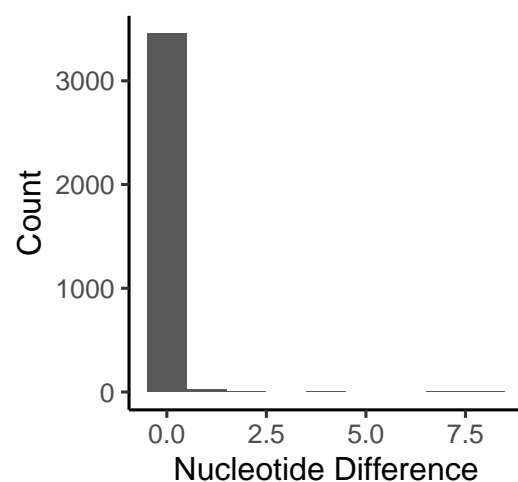
TRBV7-1*ap01_G291C_T

62 sequences assigned
60 (96.8%) exact matches, in which:
59 unique CDR3
11 unique J



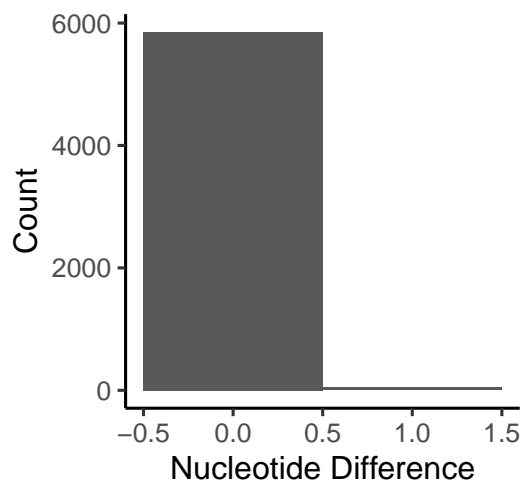
TRBV7-3*ap01

3485 sequences assigned
3454 (99.1%) exact matches, in which:
3444 unique CDR3
13 unique J



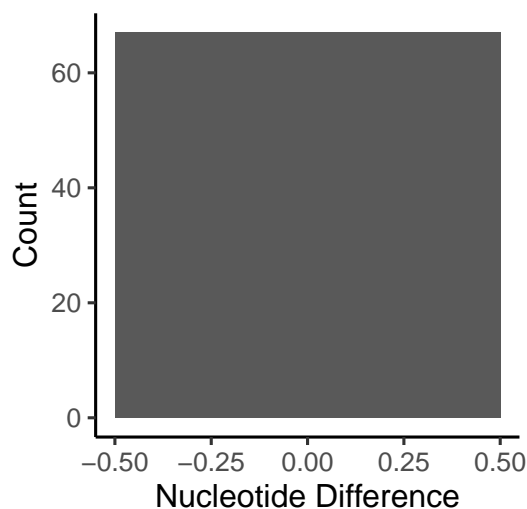
TRBV6-56*ap01

5896 sequences assigned
5853 (99.3%) exact matches, in which:
5787 unique CDR3
13 unique J



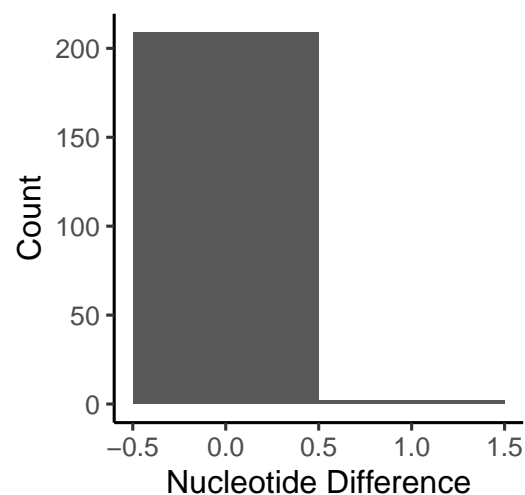
TRBV7-1*ap01_G291C_T

67 sequences assigned
67 (100%) exact matches, in which:
66 unique CDR3
10 unique J



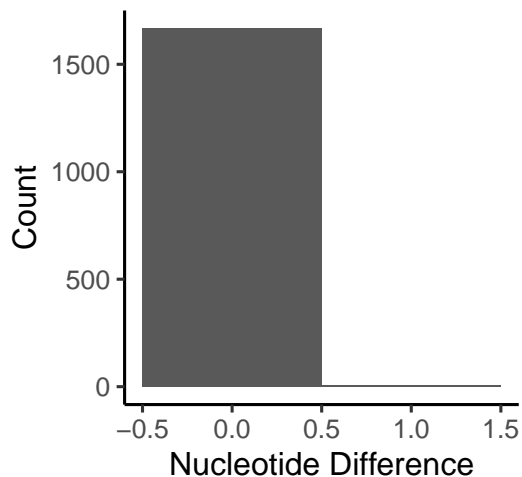
TRBV7-4*ap01

211 sequences assigned
209 (99.1%) exact matches, in which:
207 unique CDR3
13 unique J



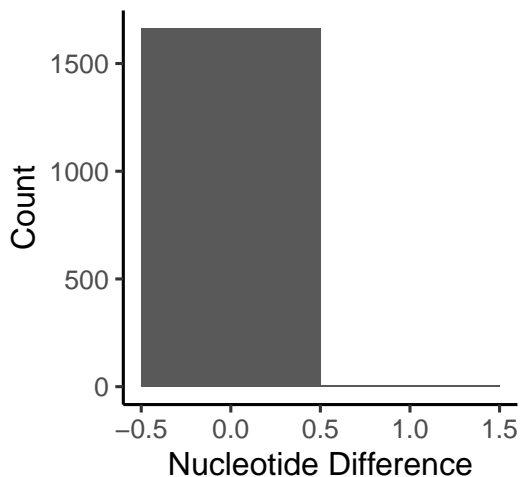
TRBV7-6*ap01

1672 sequences assigned
1667 (99.7%) exact matches, in which:
1656 unique CDR3
13 unique J



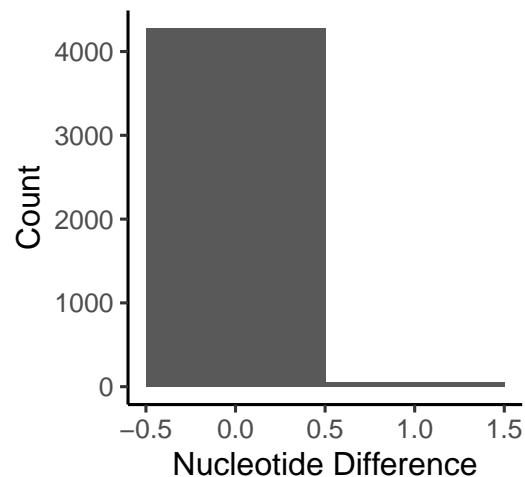
TRBV7-8*ap01

1671 sequences assigned
1663 (99.5%) exact matches, in which:
1660 unique CDR3
13 unique J



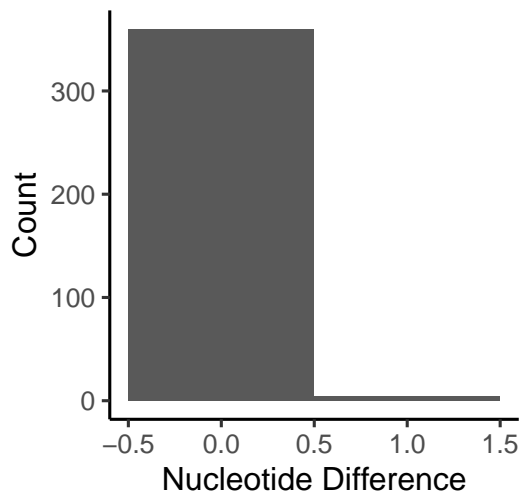
TRBV29-1*ap01

4327 sequences assigned
4276 (98.8%) exact matches, in which:
4194 unique CDR3
13 unique J



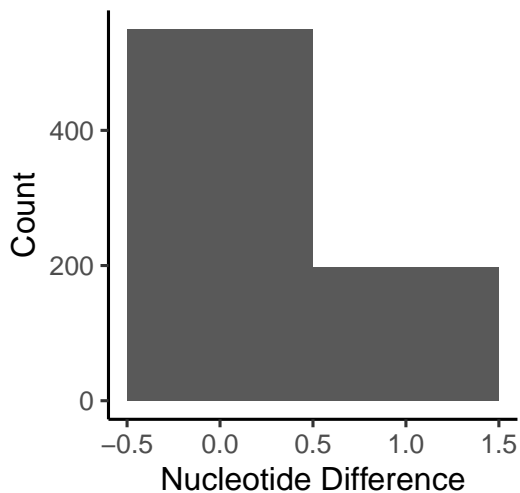
TRBV7-7*ap01

364 sequences assigned
360 (98.9%) exact matches, in which:
358 unique CDR3
13 unique J



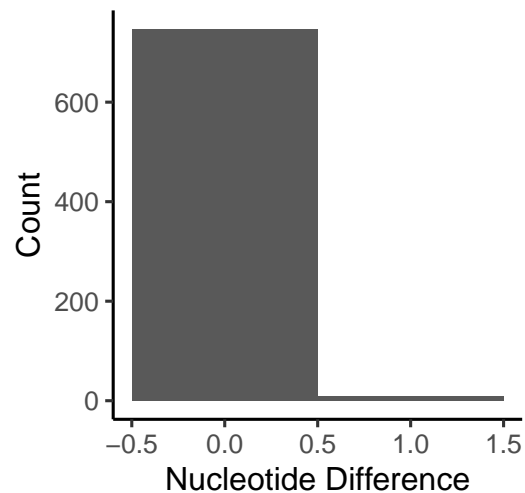
TRBV7-8*ap03

748 sequences assigned
550 (73.5%) exact matches, in which:
550 unique CDR3
13 unique J



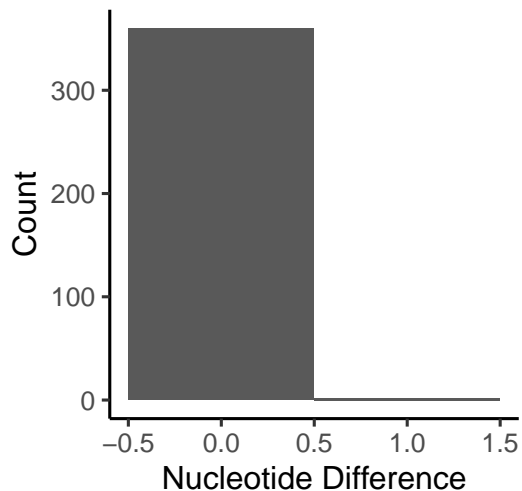
TRBV29-1*ap02

757 sequences assigned
747 (98.7%) exact matches, in which:
739 unique CDR3
13 unique J



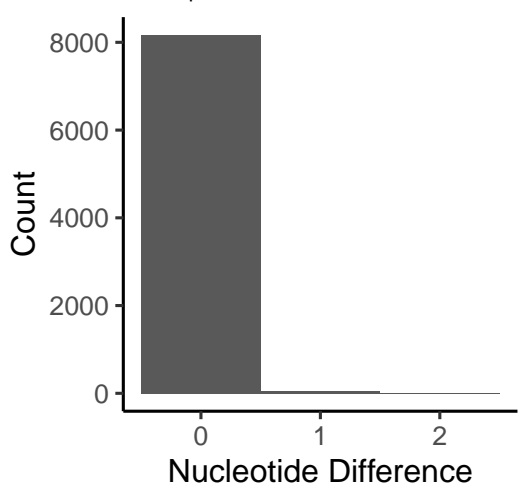
TRBV7-7*ap01_C315T

362 sequences assigned
360 (99.4%) exact matches, in which:
358 unique CDR3
13 unique J

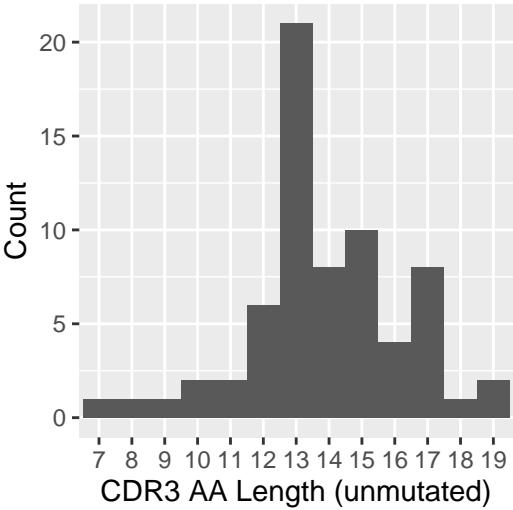


TRBV7-9*ap01

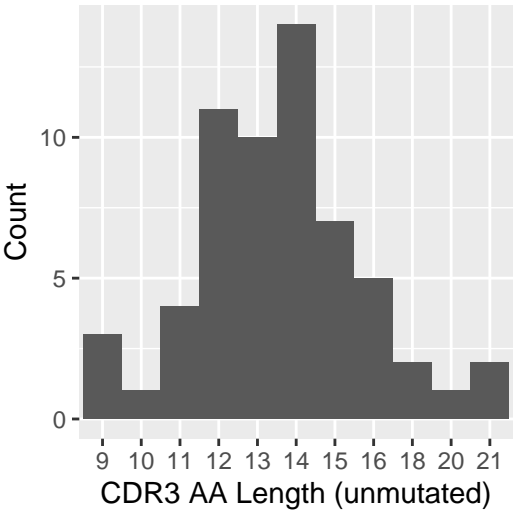
8214 sequences assigned
8166 (99.4%) exact matches, in which:
8135 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

