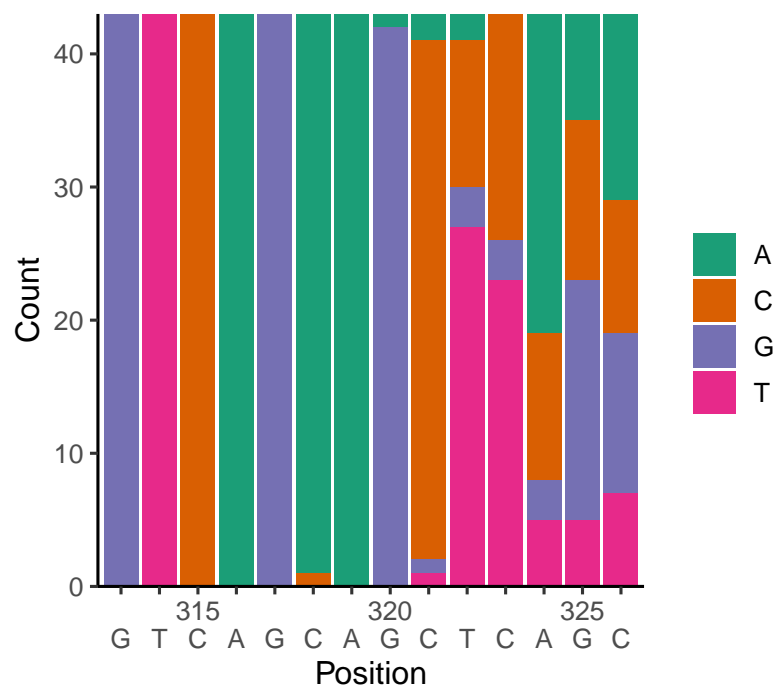
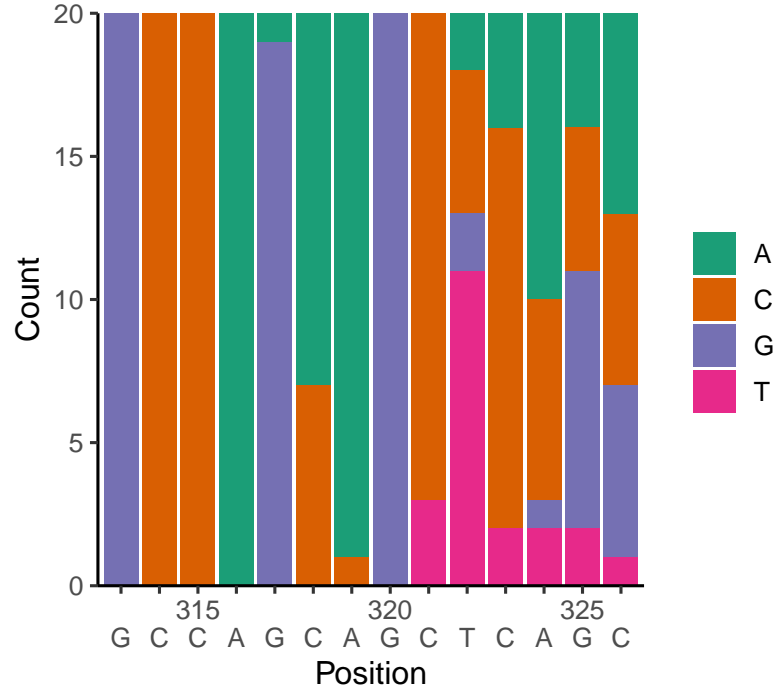


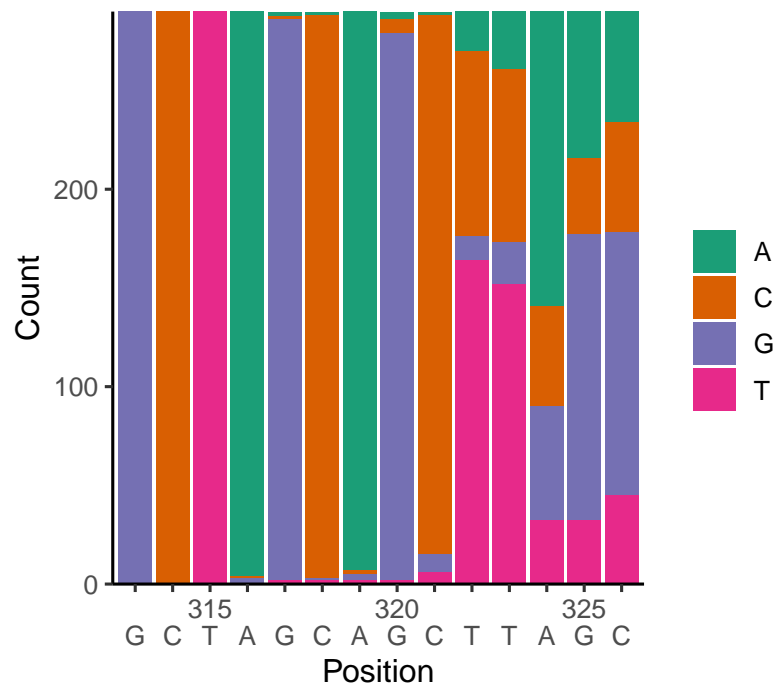
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



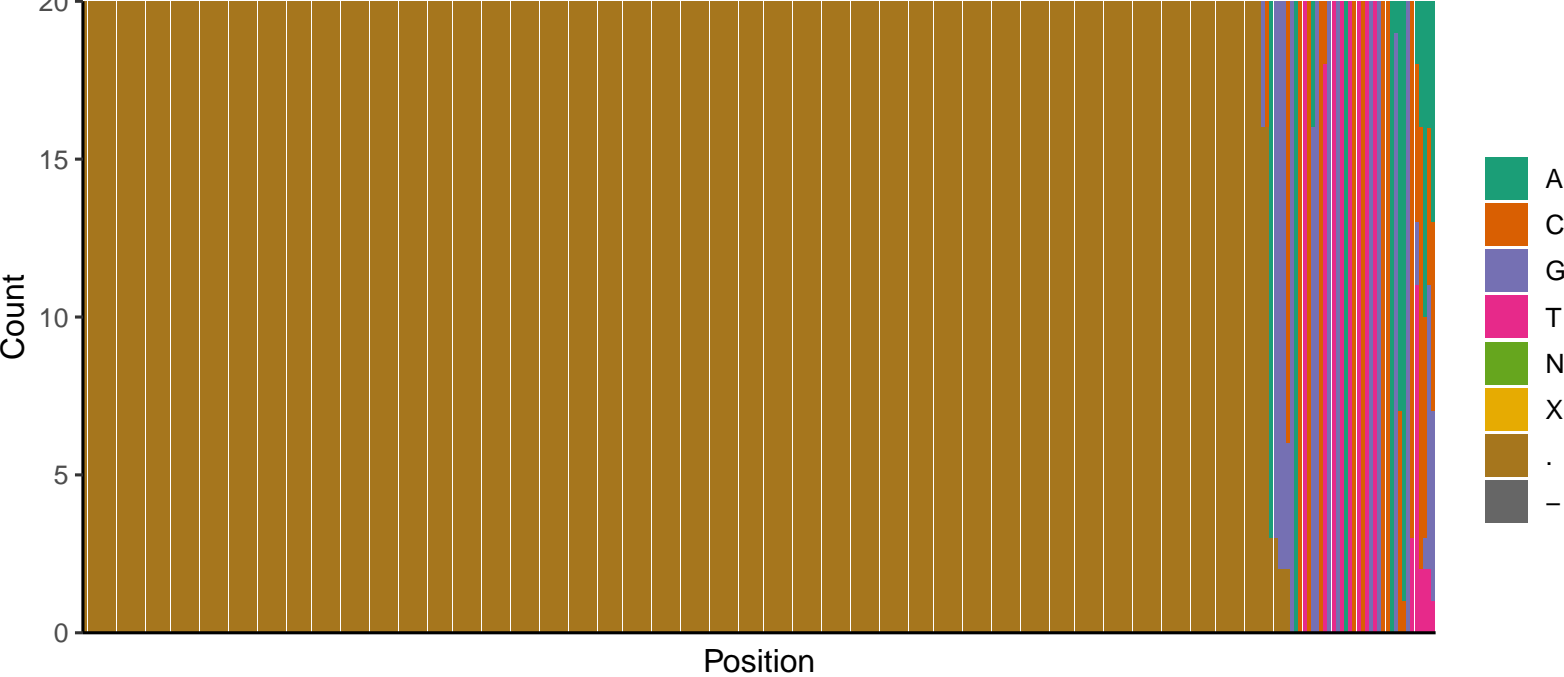
Gene TRBV7-7*ap01_C315T



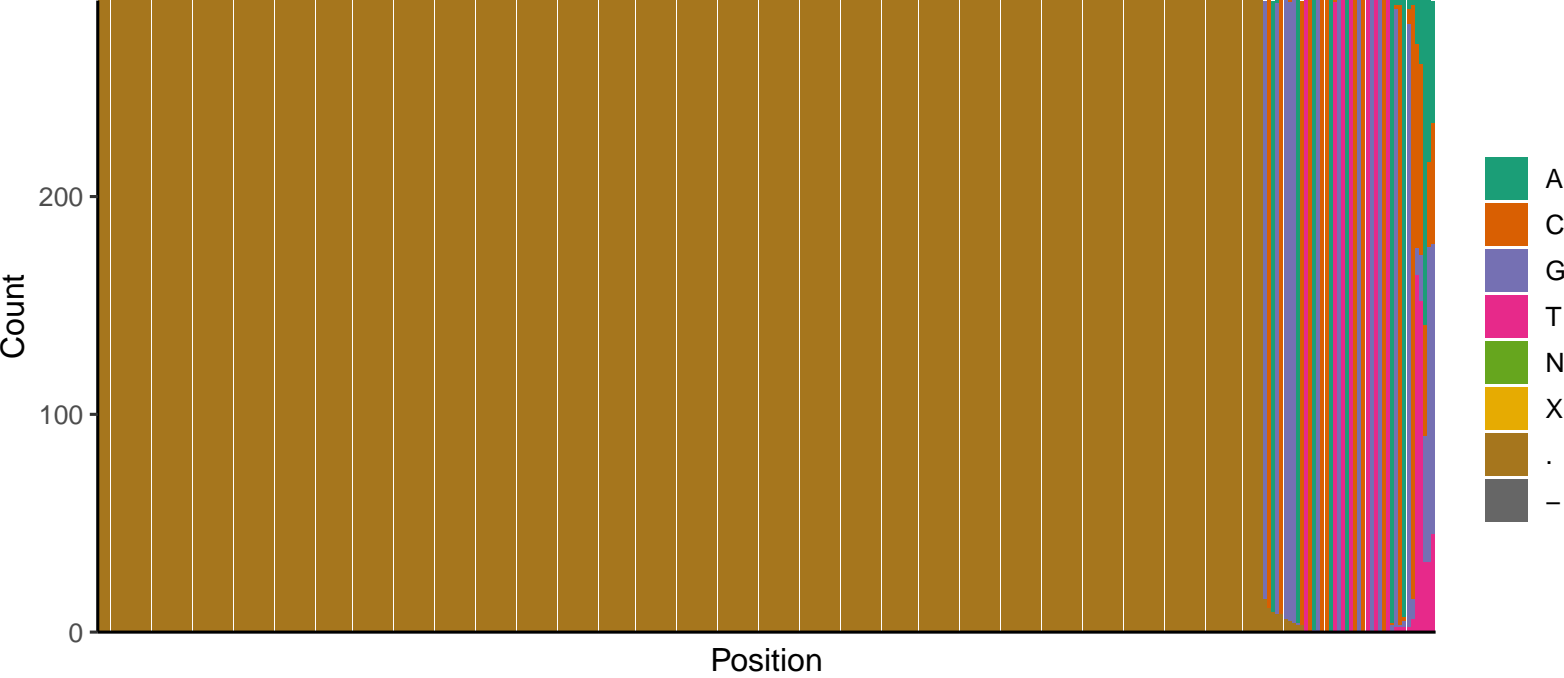
Gene TRBV7-1*ap01_T296C_C314T



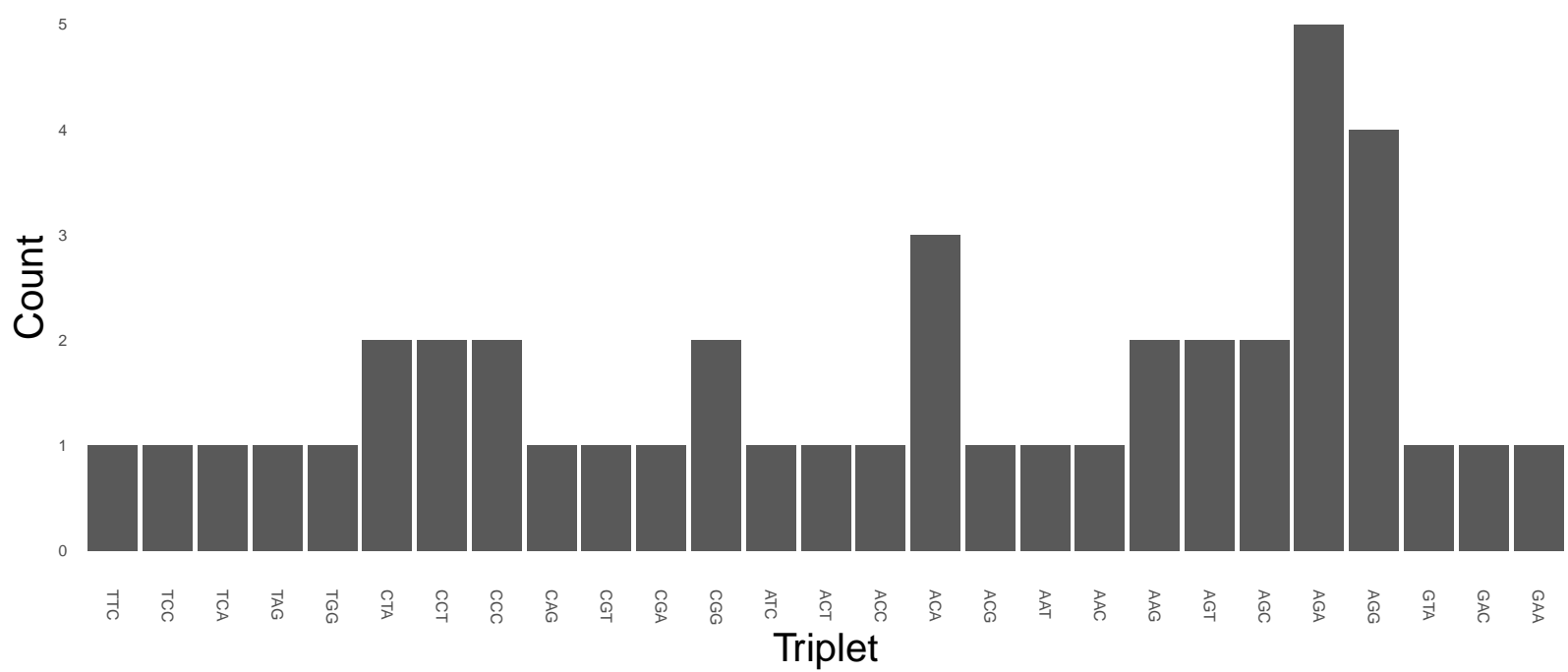
Gene TRBV7-1*ap01_T296C



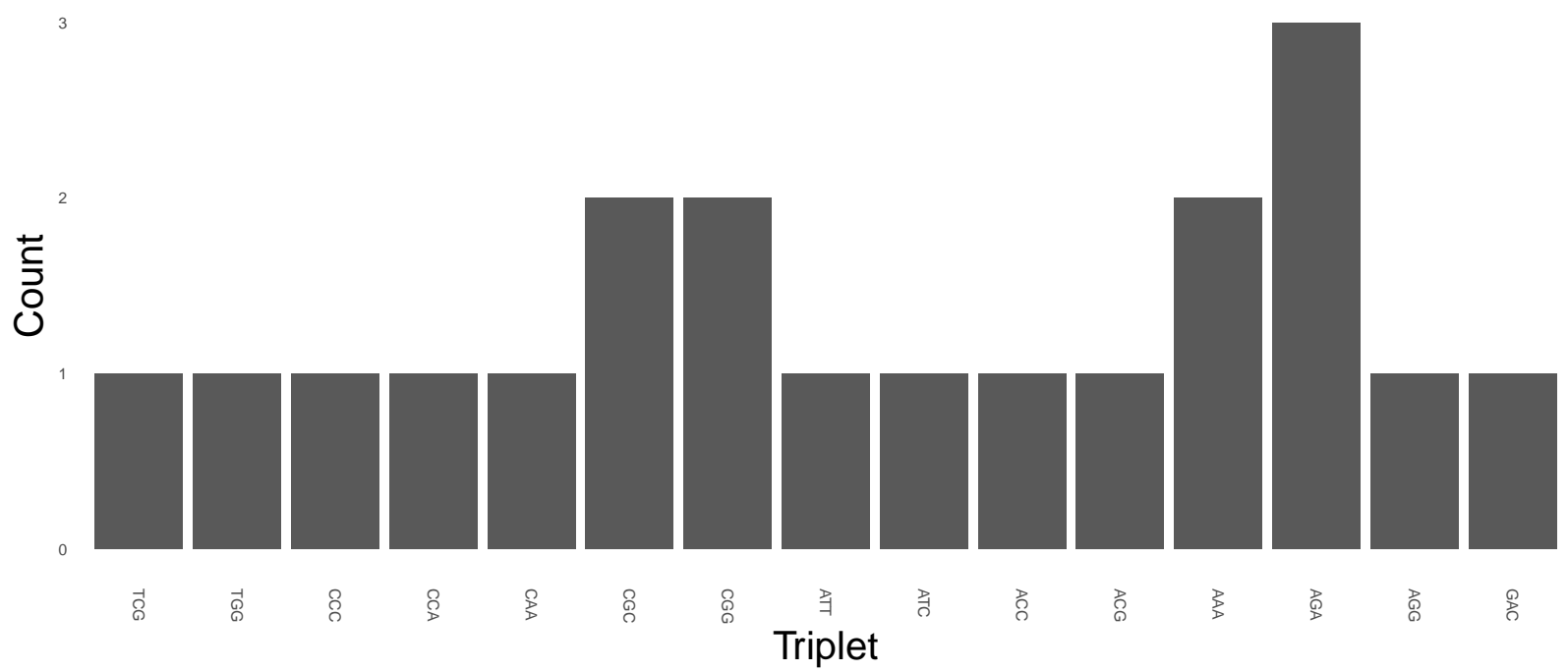
Gene TRBV7-7*ap01_C315T



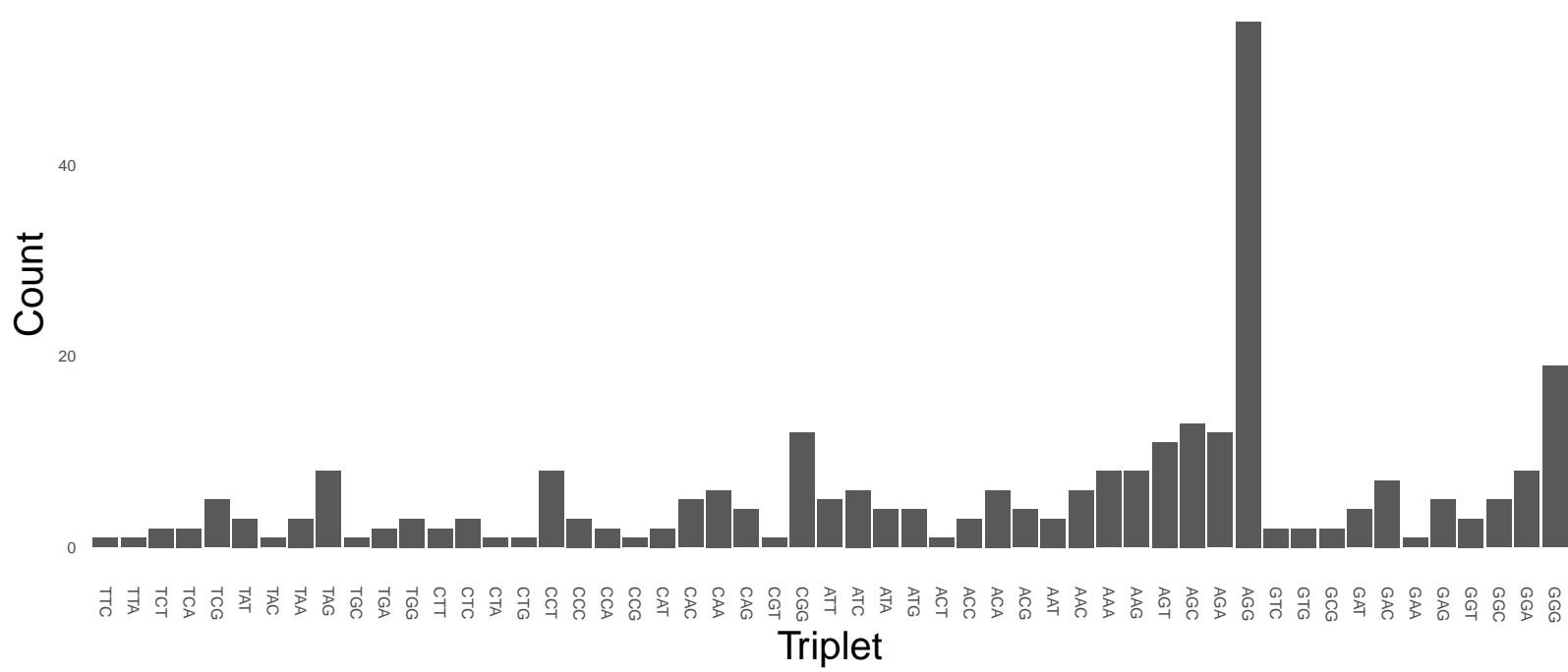
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

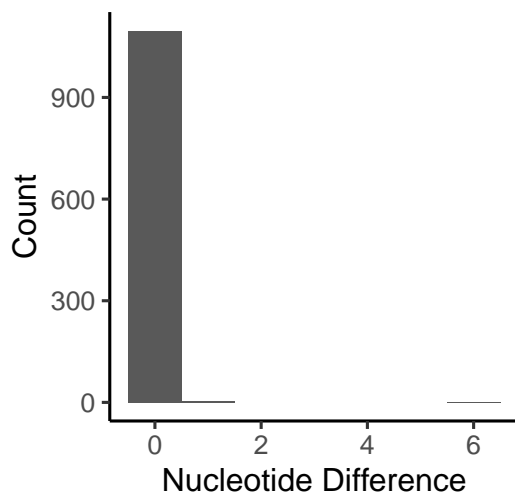


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



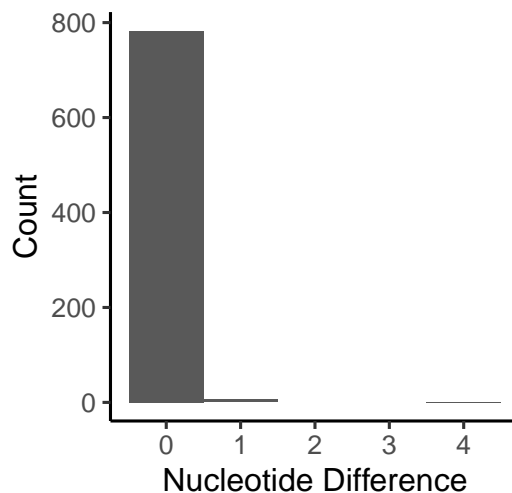
TRBV10–1*ap01

1103 sequences assigned
1097 (99.5%) exact matches, in which:
1088 unique CDR3
13 unique J



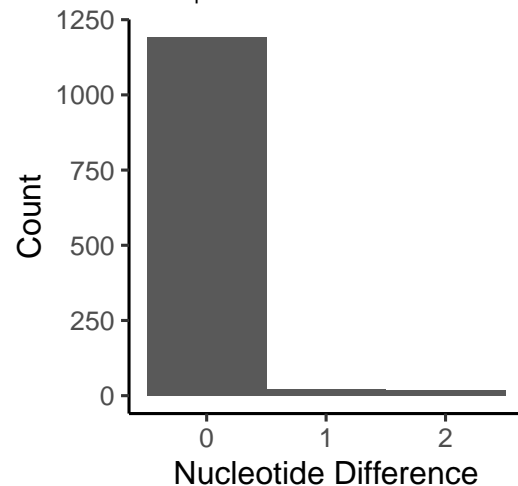
TRBV10–2*ap01

790 sequences assigned
783 (99.1%) exact matches, in which:
770 unique CDR3
13 unique J



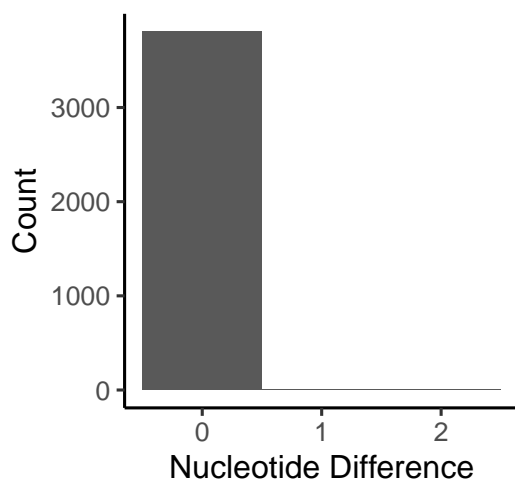
TRBV13*ap01

1231 sequences assigned
1191 (96.8%) exact matches, in which:
1164 unique CDR3
13 unique J



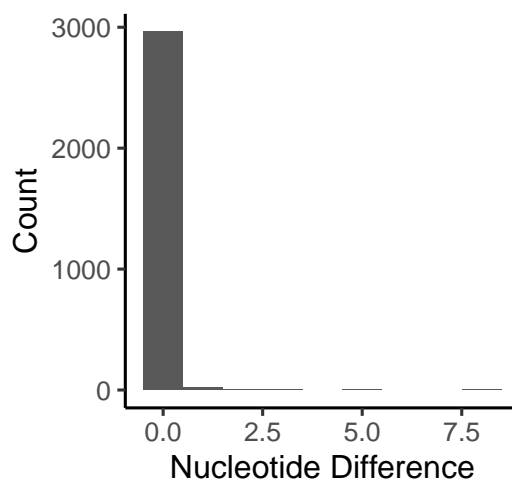
TRBV20–1*ap01

3816 sequences assigned
3805 (99.7%) exact matches, in which:
3794 unique CDR3
13 unique J



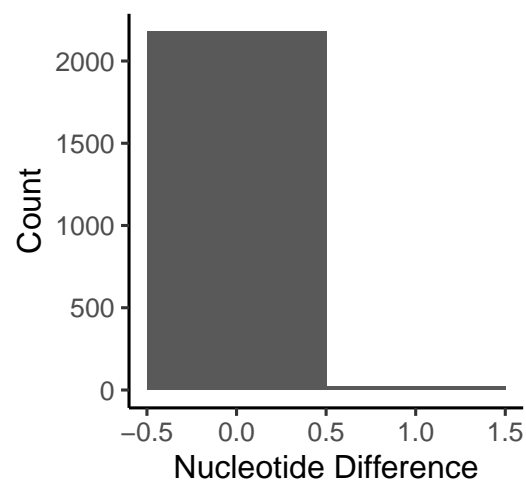
TRBV10–3*ap01

2989 sequences assigned
2963 (99.1%) exact matches, in which:
2941 unique CDR3
13 unique J



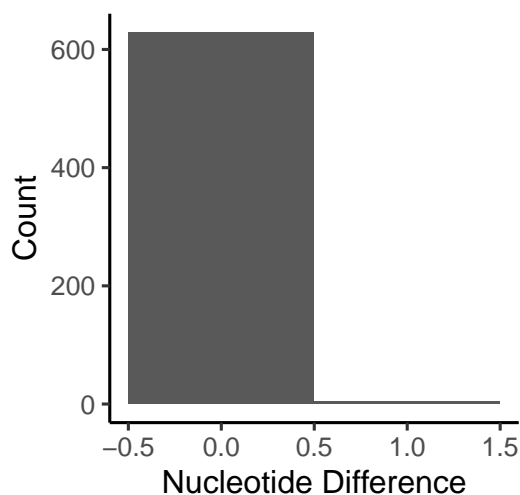
TRBV14*ap01

2197 sequences assigned
2178 (99.1%) exact matches, in which:
2157 unique CDR3
13 unique J



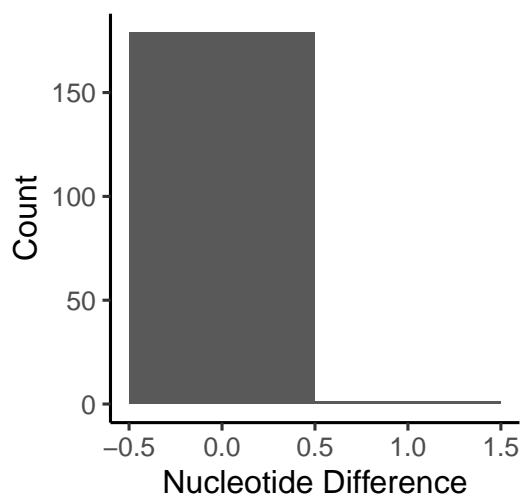
TRBV20–1*ap02

633 sequences assigned
629 (99.4%) exact matches, in which:
624 unique CDR3
13 unique J



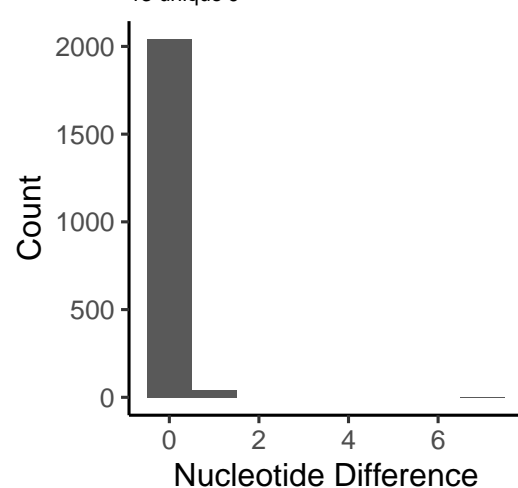
TRBV1*ap01

180 sequences assigned
179 (99.4%) exact matches, in which:
176 unique CDR3
13 unique J



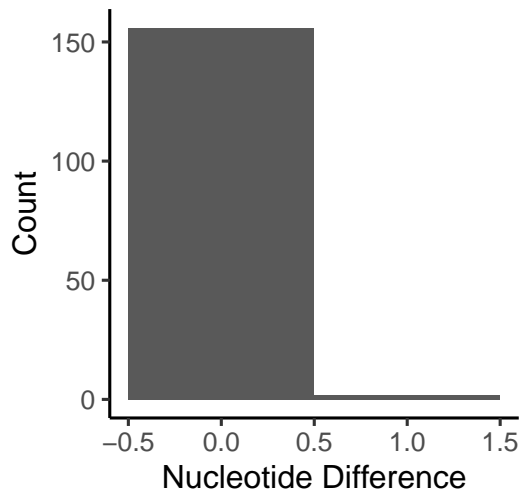
TRBV15*ap02

2085 sequences assigned
2042 (97.9%) exact matches, in which:
2020 unique CDR3
13 unique J



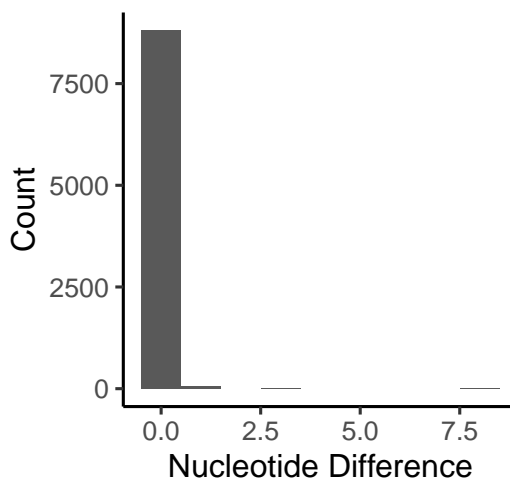
TRBV16*ap01

158 sequences assigned
156 (98.7%) exact matches, in which:
154 unique CDR3
13 unique J



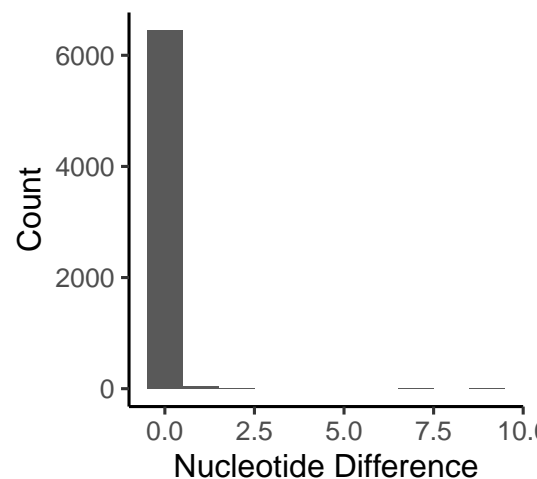
TRBV19*ap01

8870 sequences assigned
8808 (99.3%) exact matches, in which:
8763 unique CDR3
13 unique J



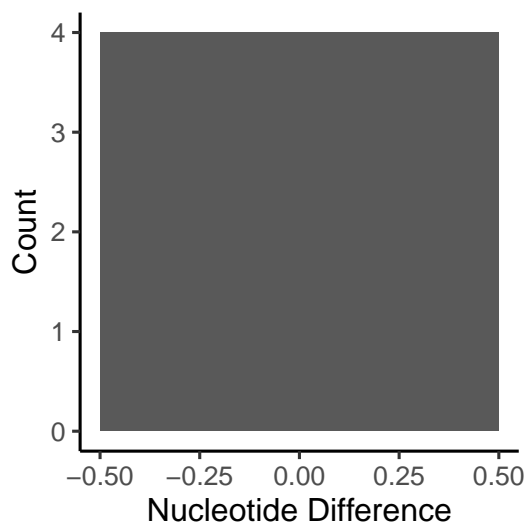
TRBV27*ap01

6504 sequences assigned
6448 (99.1%) exact matches, in which:
6376 unique CDR3
13 unique J



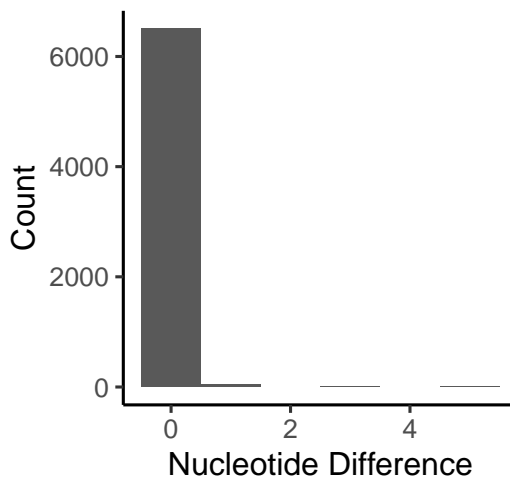
TRBV17*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



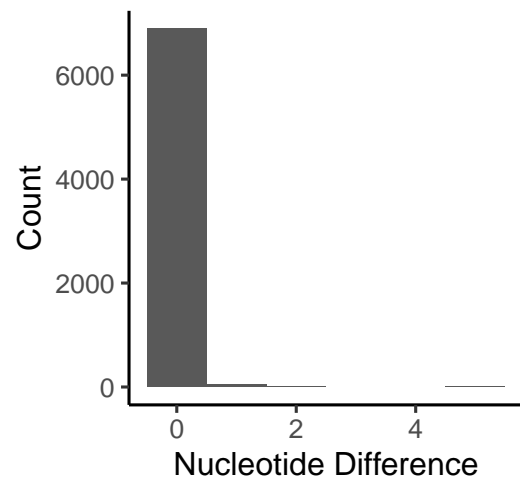
TRBV2*ap01

6552 sequences assigned
6504 (99.3%) exact matches, in which:
6430 unique CDR3
13 unique J



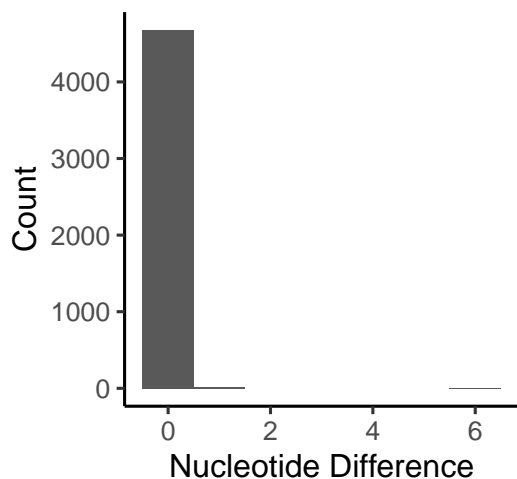
TRBV28*ap01

6944 sequences assigned
6893 (99.3%) exact matches, in which:
6844 unique CDR3
13 unique J



TRBV18*ap01

4699 sequences assigned
4677 (99.5%) exact matches, in which:
4645 unique CDR3
13 unique J



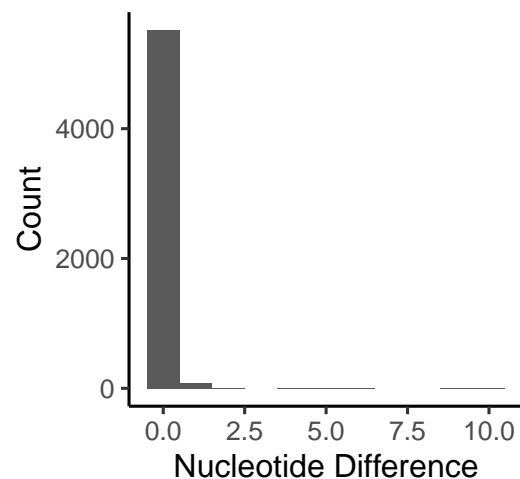
TRBV26*ap01

1 sequences assigned
No exact matches.



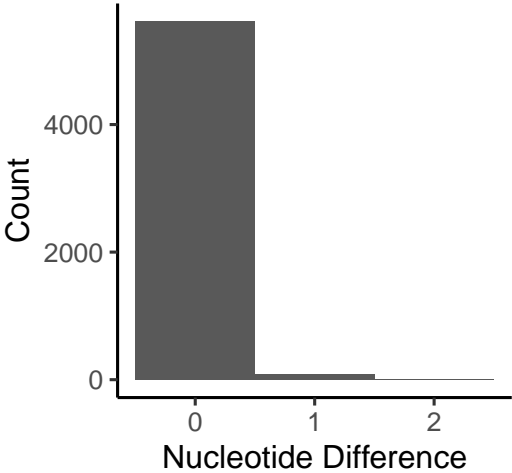
TRBV30*ap01

5610 sequences assigned
5519 (98.4%) exact matches, in which:
5419 unique CDR3
13 unique J



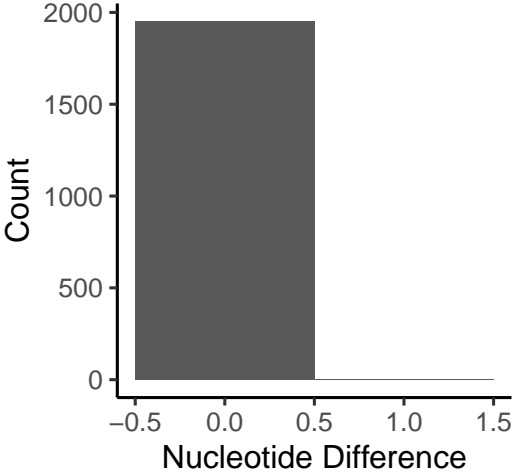
TRBV9*ap01

5708 sequences assigned
5617 (98.4%) exact matches, in which:
5585 unique CDR3
13 unique J



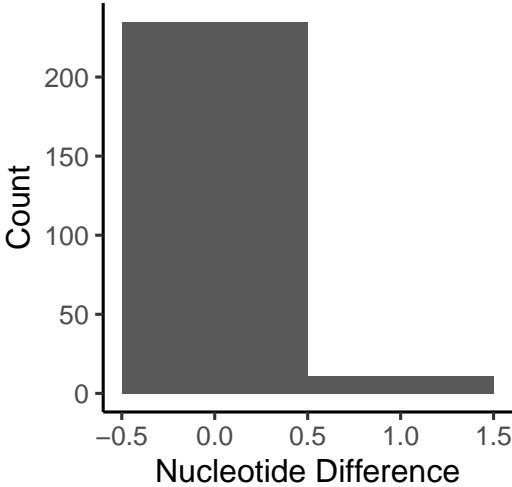
TRBV11-2*ap01

1953 sequences assigned
1951 (99.9%) exact matches, in which:
1943 unique CDR3
13 unique J



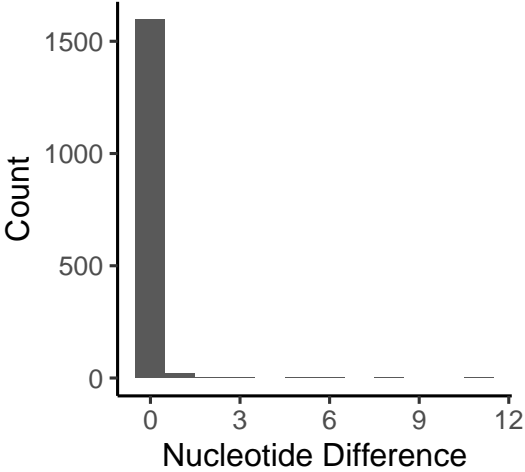
TRBV12-2*ap01

246 sequences assigned
235 (95.5%) exact matches, in which:
232 unique CDR3
13 unique J



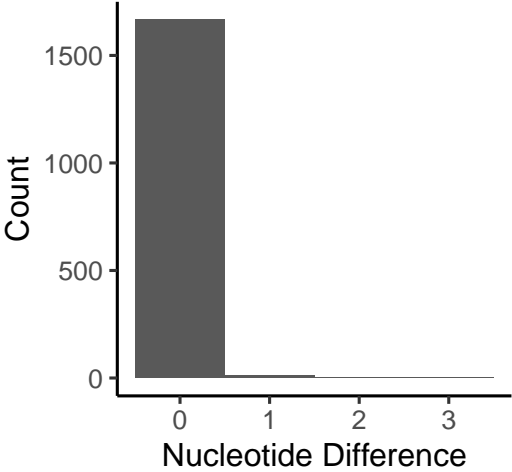
TRBV21-1*ap01

1624 sequences assigned
1596 (98.3%) exact matches, in which:
1584 unique CDR3
13 unique J



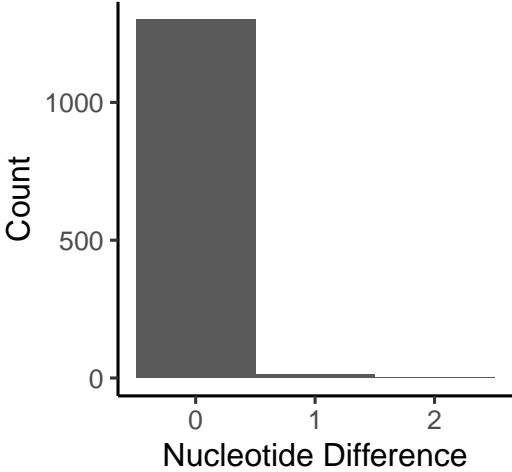
TRBV11-3*ap01

1681 sequences assigned
1666 (99.1%) exact matches, in which:
1659 unique CDR3
13 unique J



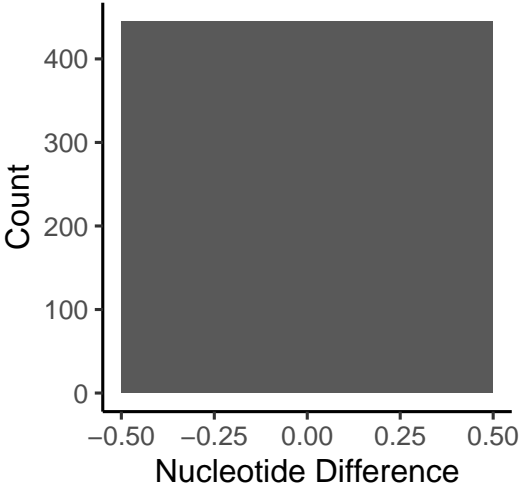
TRBV12-5*ap01

1312 sequences assigned
1300 (99.1%) exact matches, in which:
1287 unique CDR3
13 unique J



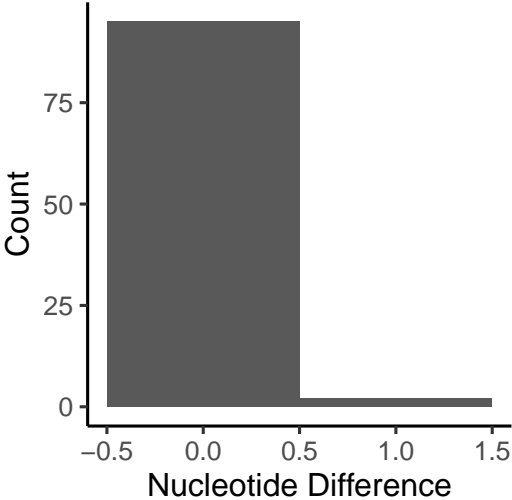
TRBV11-1*ap01

445 sequences assigned
445 (100%) exact matches, in which:
442 unique CDR3
13 unique J



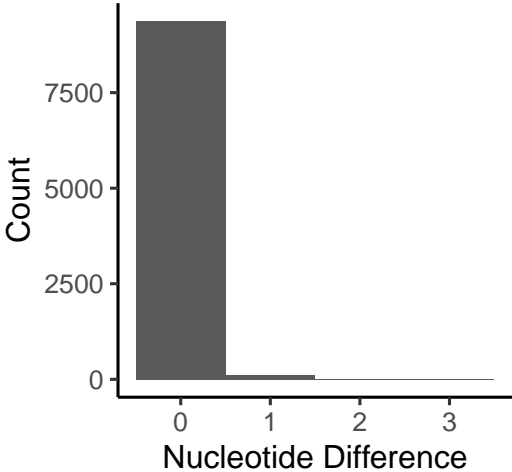
TRBV12-1*ap01

97 sequences assigned
95 (97.9%) exact matches, in which:
93 unique CDR3
12 unique J



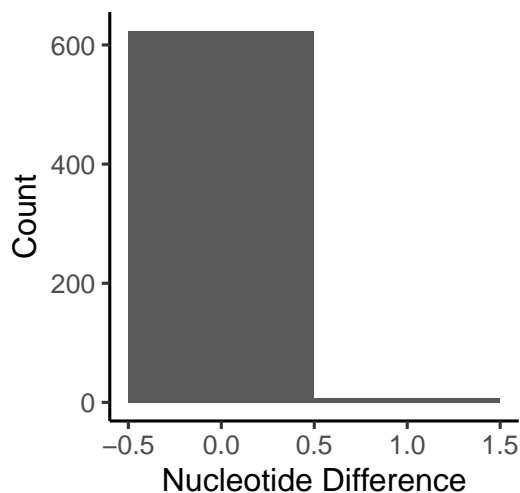
TRBV12-34*ap01

9482 sequences assigned
9373 (98.9%) exact matches, in which:
9271 unique CDR3
13 unique J



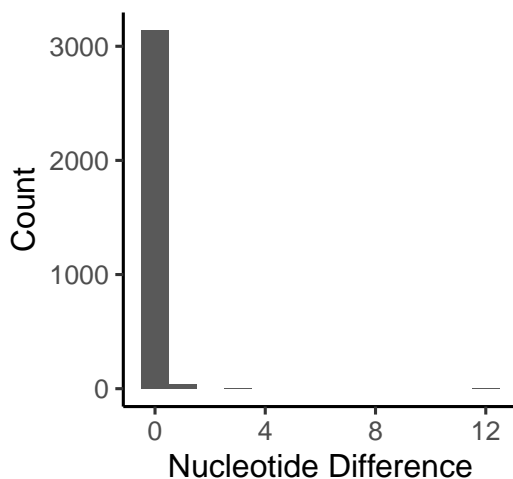
TRBV23-1*ap01

632 sequences assigned
624 (98.7%) exact matches, in which:
615 unique CDR3
13 unique J



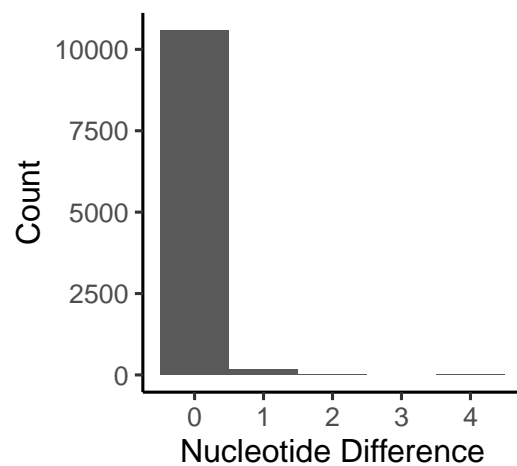
TRBV24-1*ap01

3180 sequences assigned
3139 (98.7%) exact matches, in which:
3096 unique CDR3
13 unique J



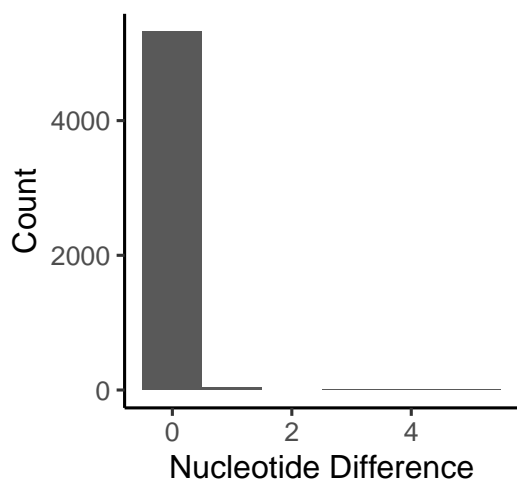
TRBV5-1*ap01

10750 sequences assigned
10590 (98.5%) exact matches, in which:
10443 unique CDR3
13 unique J



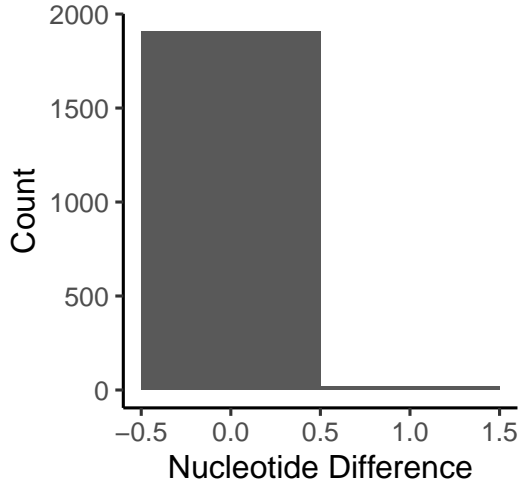
TRBV3-12*ap01

5363 sequences assigned
5320 (99.2%) exact matches, in which:
5286 unique CDR3
13 unique J



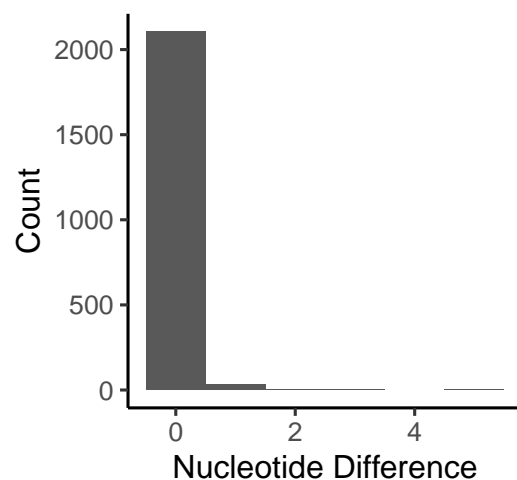
TRBV4-2*ap01

1925 sequences assigned
1906 (99%) exact matches, in which:
1872 unique CDR3
13 unique J



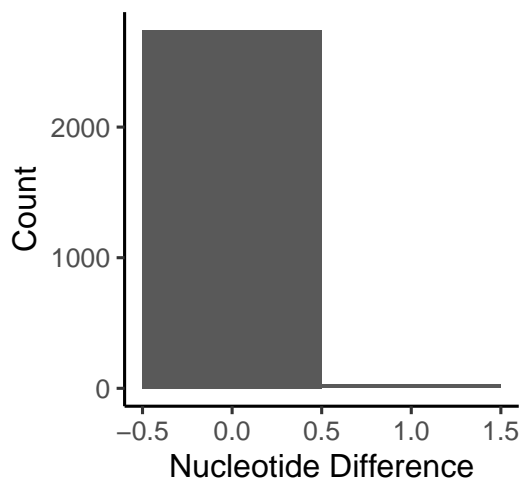
TRBV25-1*ap01

2141 sequences assigned
2105 (98.3%) exact matches, in which:
2070 unique CDR3
13 unique J



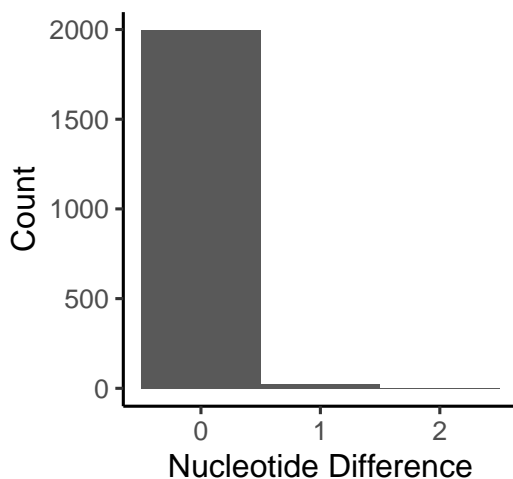
TRBV4-1*ap01

2771 sequences assigned
2743 (99%) exact matches, in which:
2698 unique CDR3
13 unique J



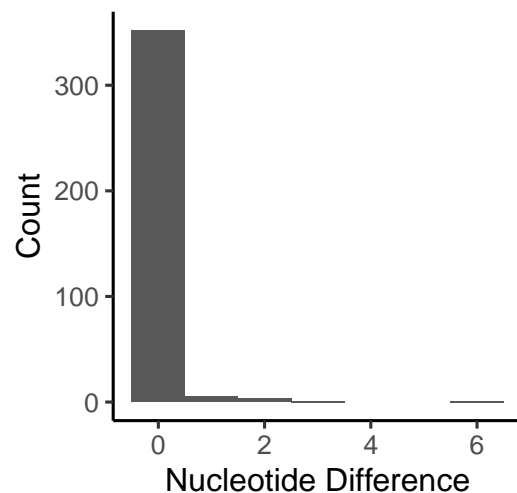
TRBV4-3*ap01

2023 sequences assigned
1997 (98.7%) exact matches, in which:
1970 unique CDR3
13 unique J



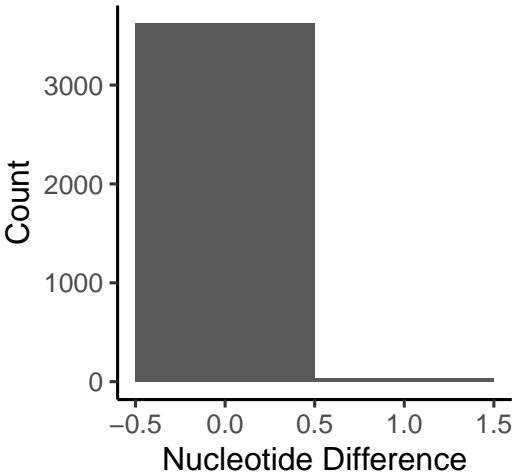
TRBV5-3*ap01

362 sequences assigned
352 (97.2%) exact matches, in which:
350 unique CDR3
13 unique J



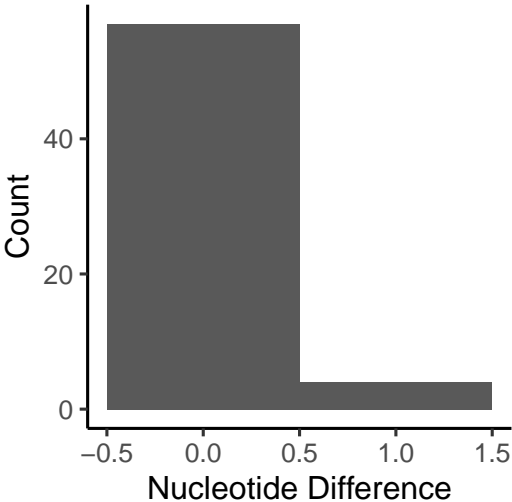
TRBV5-4*ap01

3661 sequences assigned
3624 (99%) exact matches, in which:
3575 unique CDR3
13 unique J



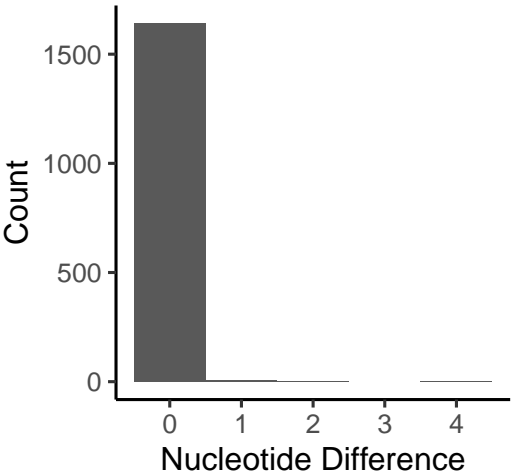
TRBV5-7*ap01

61 sequences assigned
57 (93.4%) exact matches, in which:
56 unique CDR3
10 unique J



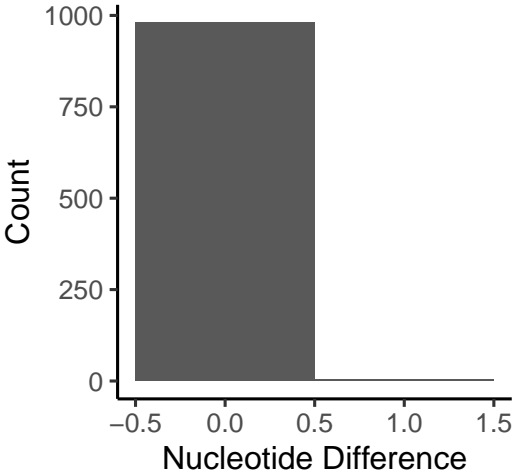
TRBV6-4*ap01

1652 sequences assigned
1641 (99.3%) exact matches, in which:
1625 unique CDR3
13 unique J



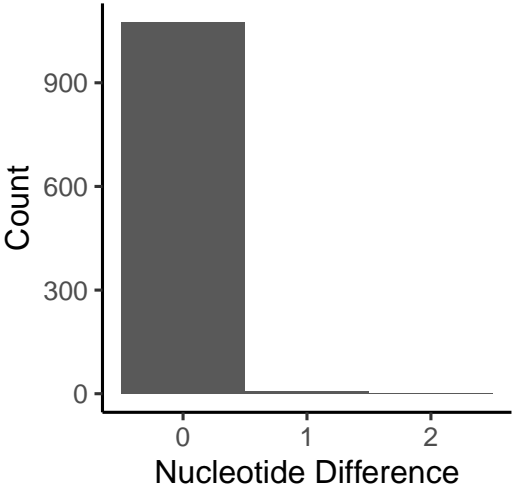
TRBV5-5*ap01

983 sequences assigned
980 (99.7%) exact matches, in which:
977 unique CDR3
13 unique J



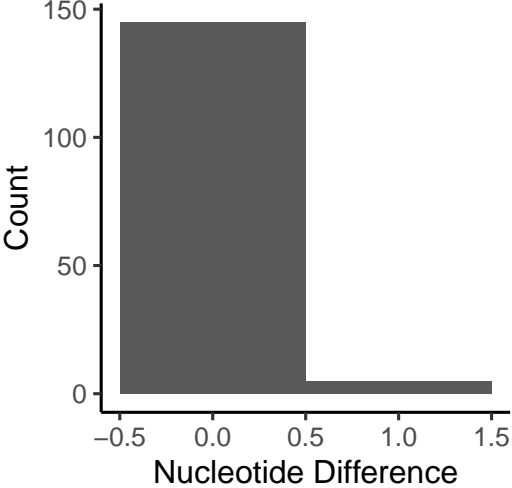
TRBV5-8*ap01

1083 sequences assigned
1076 (99.4%) exact matches, in which:
1067 unique CDR3
13 unique J



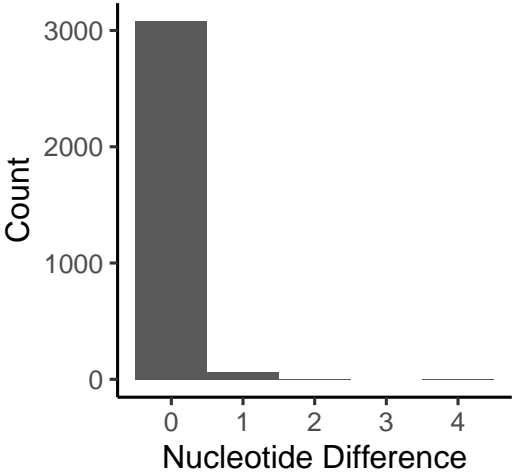
TRBV6-7*ap01

150 sequences assigned
145 (96.7%) exact matches, in which:
144 unique CDR3
12 unique J



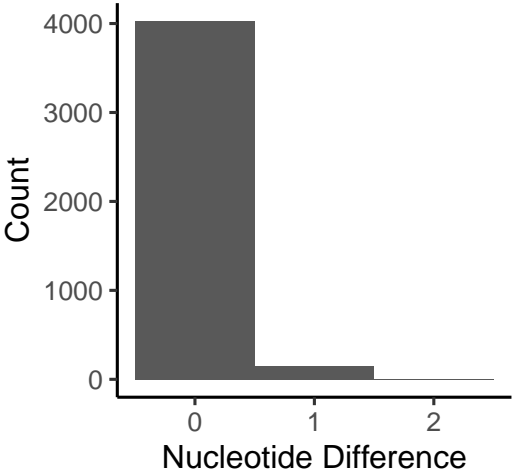
TRBV5-6*ap01

3148 sequences assigned
3081 (97.9%) exact matches, in which:
3003 unique CDR3
13 unique J



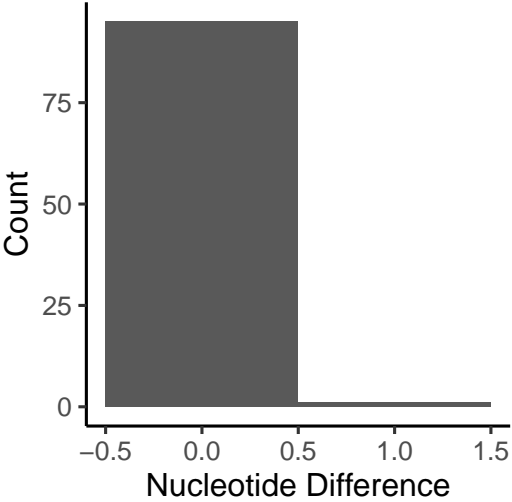
TRBV6-1*ap01

4179 sequences assigned
4028 (96.4%) exact matches, in which:
3963 unique CDR3
13 unique J



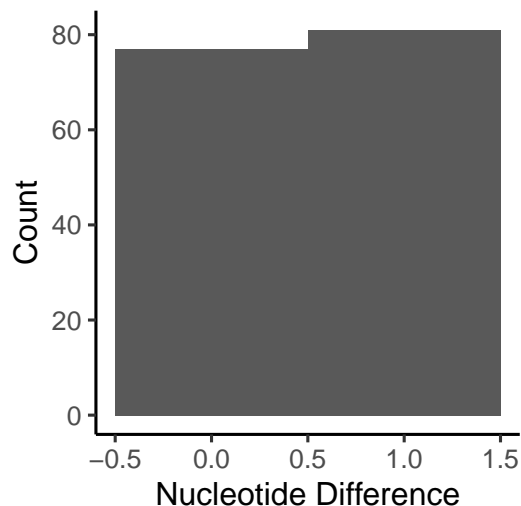
TRBV6-8*ap01

96 sequences assigned
95 (99%) exact matches, in which:
94 unique CDR3
13 unique J



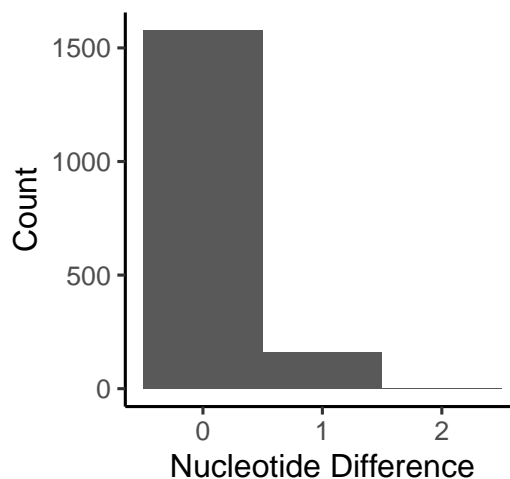
TRBV6-9*ap01

158 sequences assigned
77 (48.7%) exact matches, in which:
77 unique CDR3
13 unique J



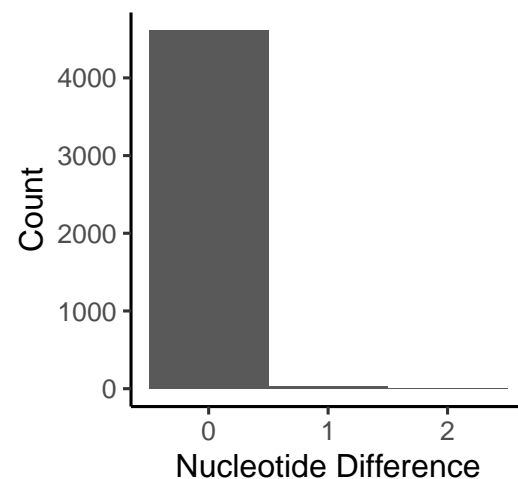
TRBV6-56*ap02

1739 sequences assigned
1577 (90.7%) exact matches, in which:
1559 unique CDR3
13 unique J



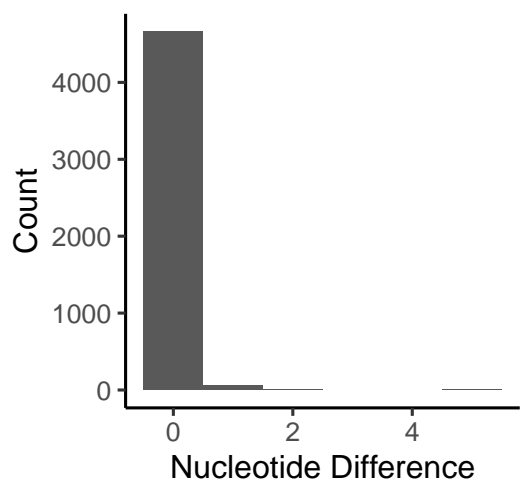
TRBV7-2*ap01

4641 sequences assigned
4611 (99.4%) exact matches, in which:
4565 unique CDR3
13 unique J



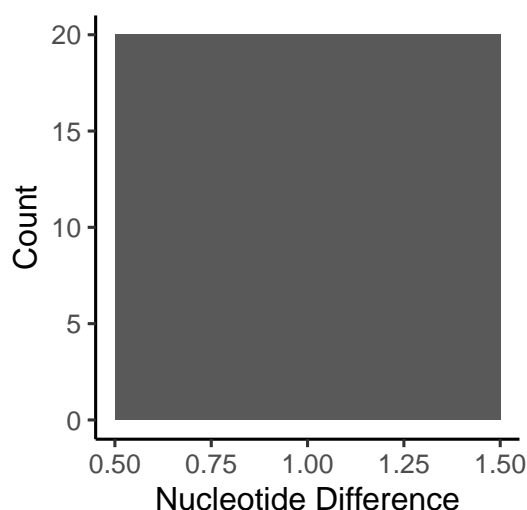
TRBV6-23*ap01

4714 sequences assigned
4659 (98.8%) exact matches, in which:
4578 unique CDR3
13 unique J



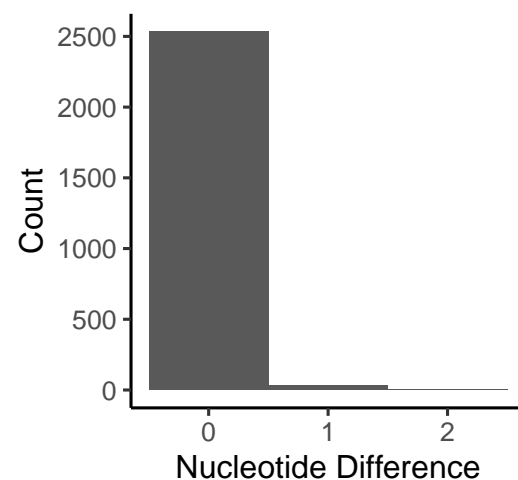
TRBV7-1*ap01_T296C

20 sequences assigned
No exact matches.



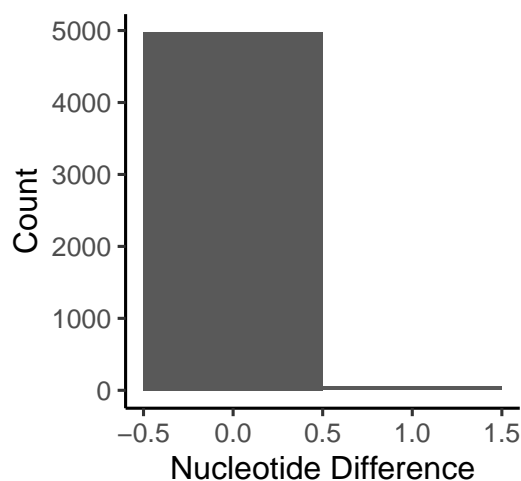
TRBV7-3*ap01

2567 sequences assigned
2533 (98.7%) exact matches, in which:
2517 unique CDR3
13 unique J



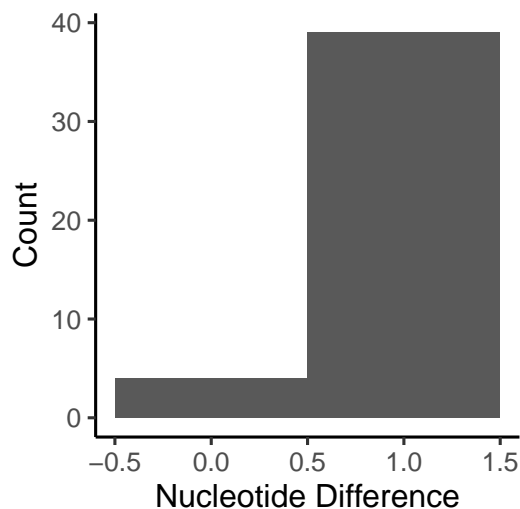
TRBV6-56*ap01

5031 sequences assigned
4979 (99%) exact matches, in which:
4902 unique CDR3
13 unique J



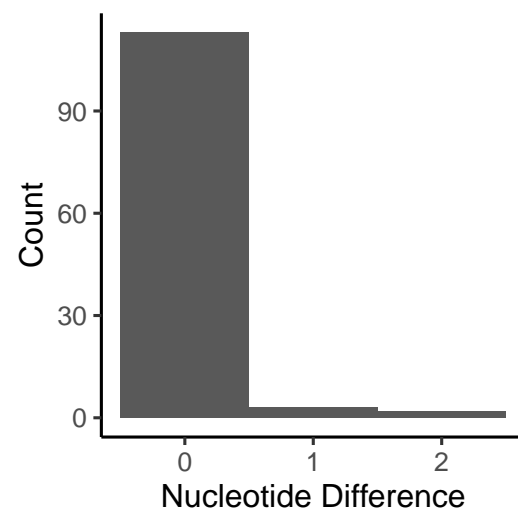
TRBV7-1*ap01_T296C_C

43 sequences assigned
4 (9.3%) exact matches, in which:
4 unique CDR3
3 unique J



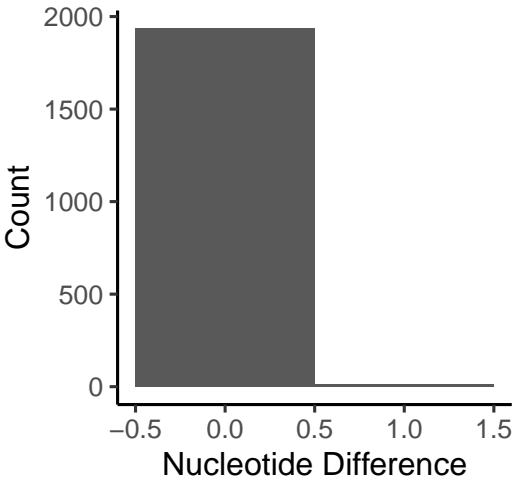
TRBV7-4*ap01

118 sequences assigned
113 (95.8%) exact matches, in which:
113 unique CDR3
12 unique J



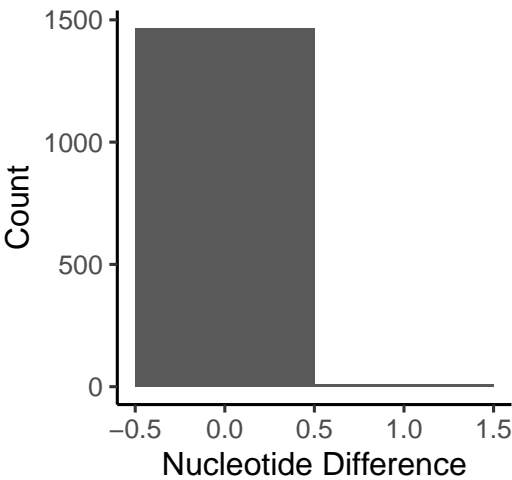
TRBV7-6*ap01

1950 sequences assigned
1936 (99.3%) exact matches, in which:
1915 unique CDR3
13 unique J



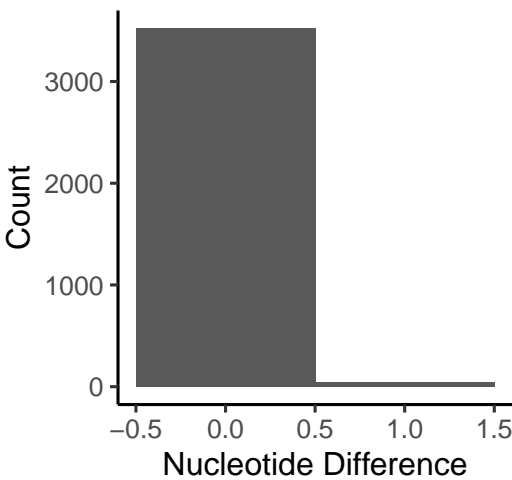
TRBV7-8*ap01

1475 sequences assigned
1465 (99.3%) exact matches, in which:
1454 unique CDR3
13 unique J



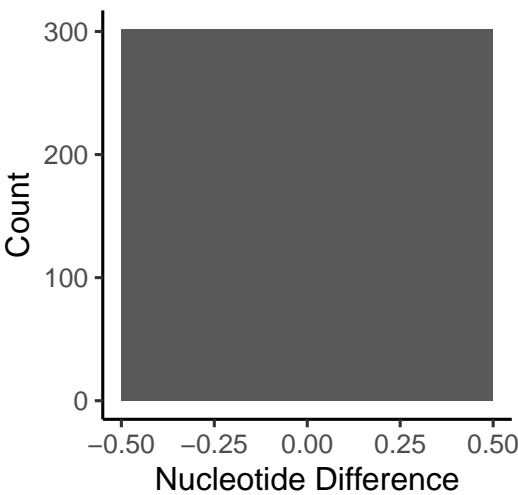
TRBV29-1*ap01

3565 sequences assigned
3522 (98.8%) exact matches, in which:
3453 unique CDR3
13 unique J



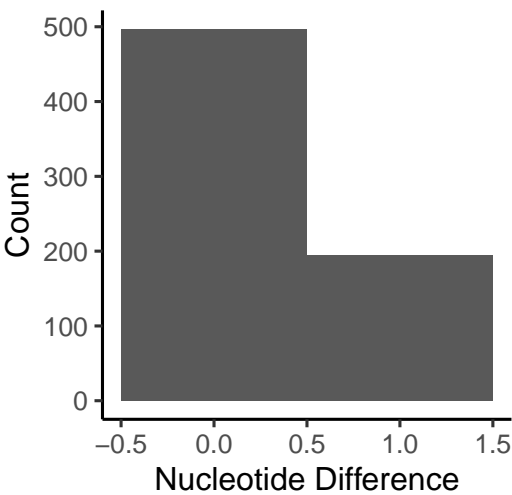
TRBV7-7*ap01

302 sequences assigned
302 (100%) exact matches, in which:
298 unique CDR3
13 unique J



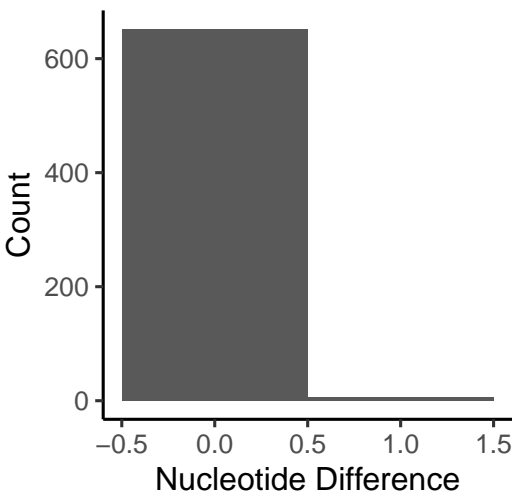
TRBV7-8*ap03

692 sequences assigned
497 (71.8%) exact matches, in which:
491 unique CDR3
13 unique J



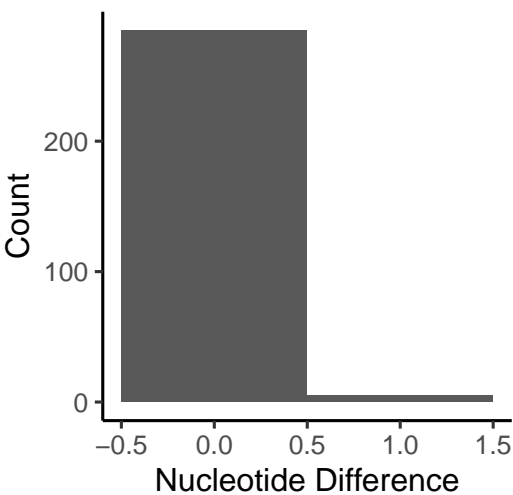
TRBV29-1*ap02

659 sequences assigned
652 (98.9%) exact matches, in which:
640 unique CDR3
13 unique J



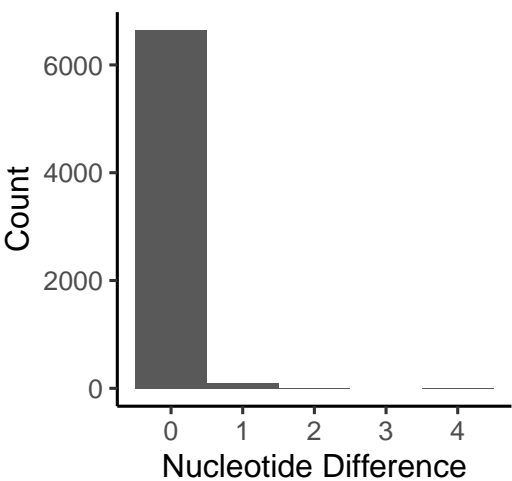
TRBV7-7*ap01_C315T

290 sequences assigned
285 (98.3%) exact matches, in which:
283 unique CDR3
13 unique J

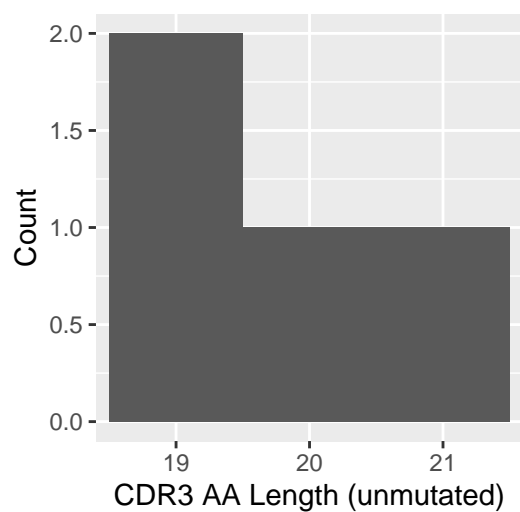


TRBV7-9*ap01

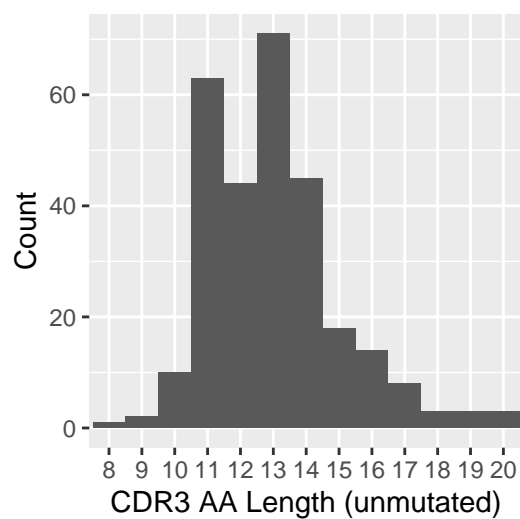
6742 sequences assigned
6647 (98.6%) exact matches, in which:
6583 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]