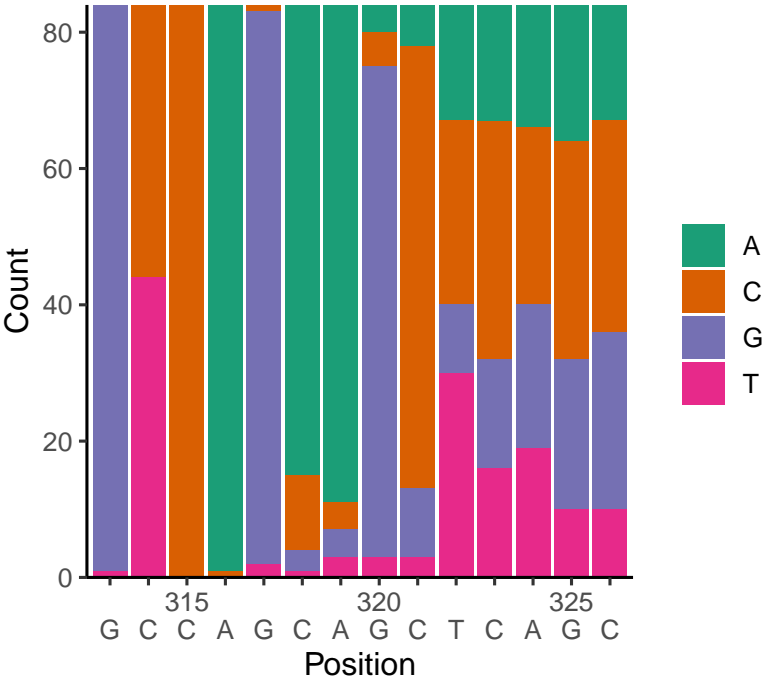
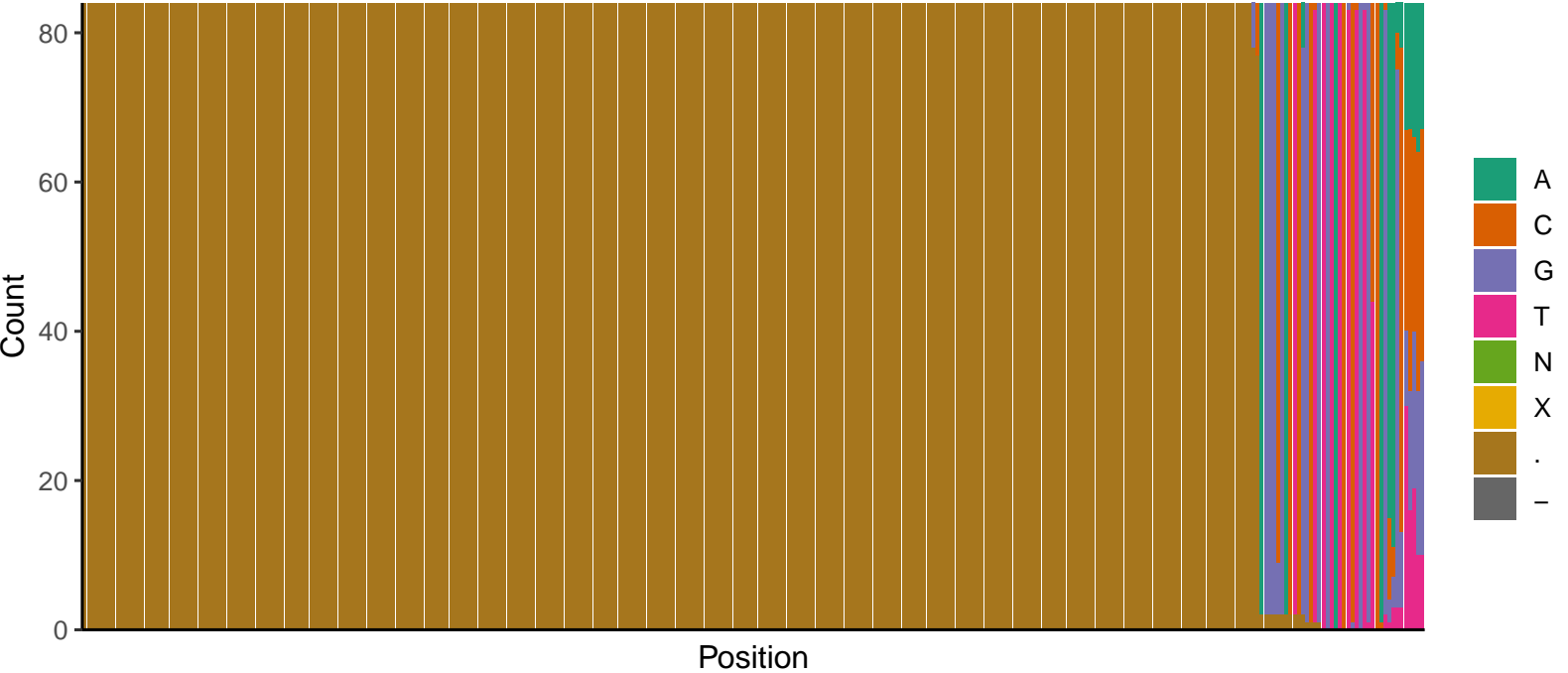


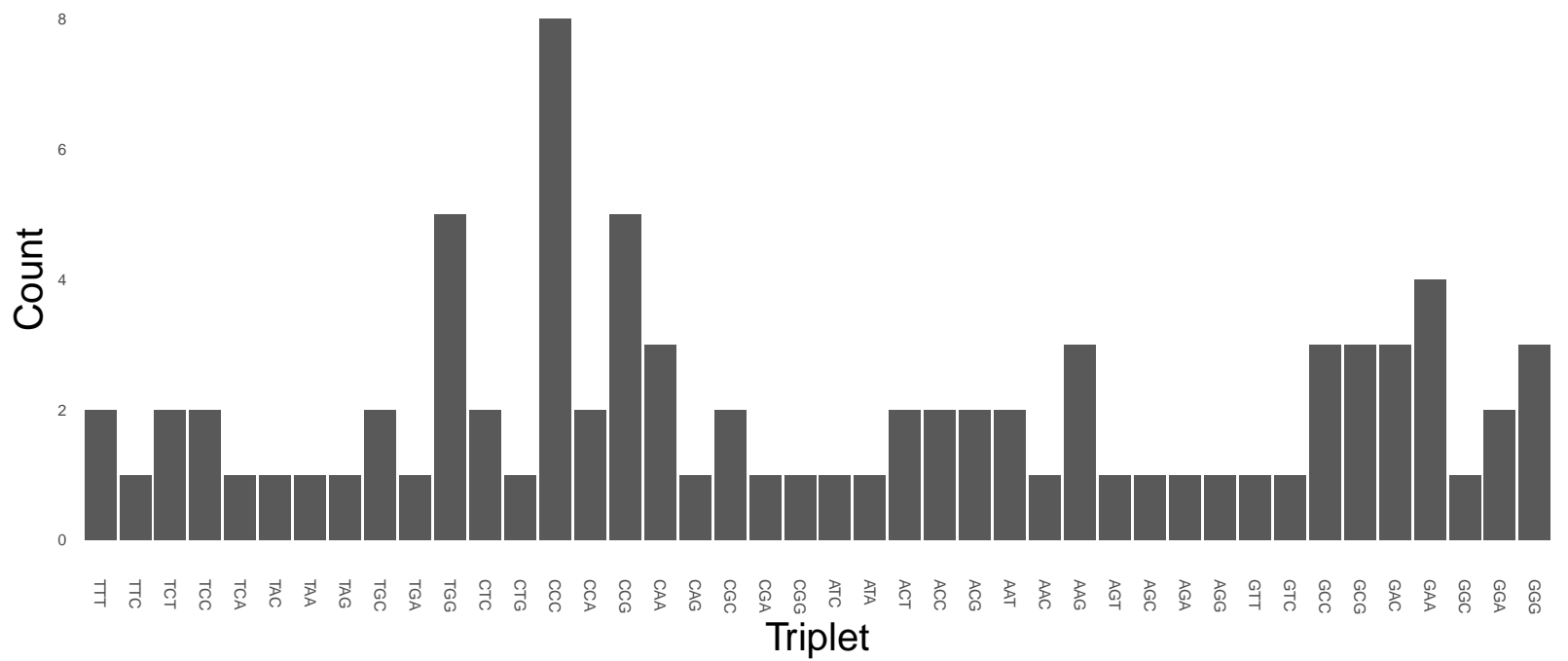
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C

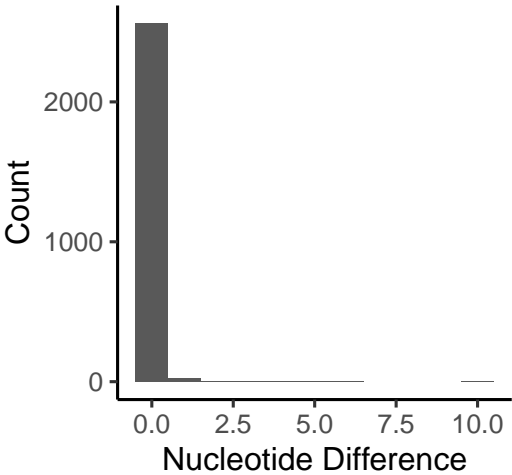


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



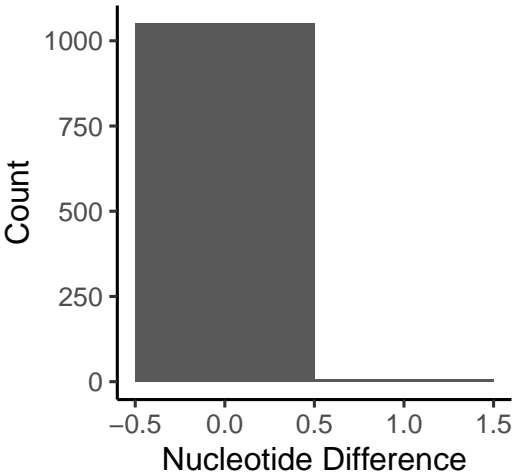
TRBV10-1*ap01

2592 sequences assigned
2561 (98.8%) exact matches, in which:
2523 unique CDR3
13 unique J



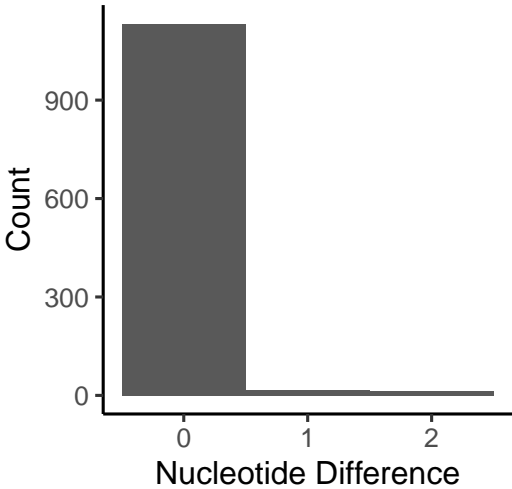
TRBV10-2*ap01

1059 sequences assigned
1051 (99.2%) exact matches, in which:
1033 unique CDR3
13 unique J



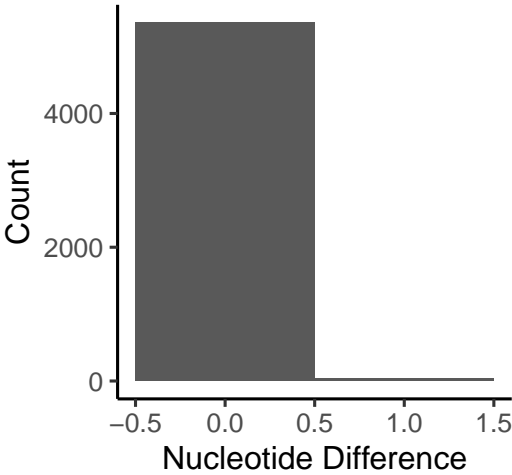
TRBV13*ap01

1162 sequences assigned
1133 (97.5%) exact matches, in which:
1109 unique CDR3
13 unique J



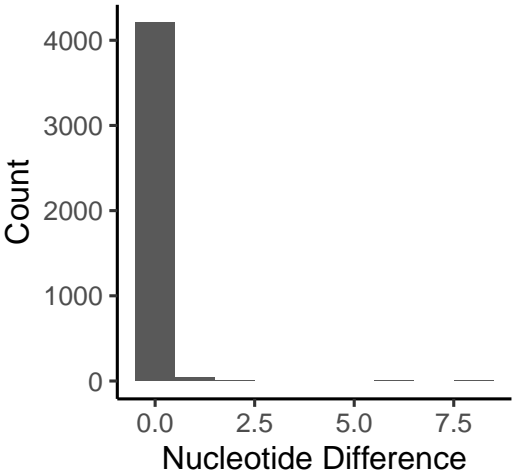
TRBV20-1*ap01

5400 sequences assigned
5357 (99.2%) exact matches, in which:
5321 unique CDR3
13 unique J



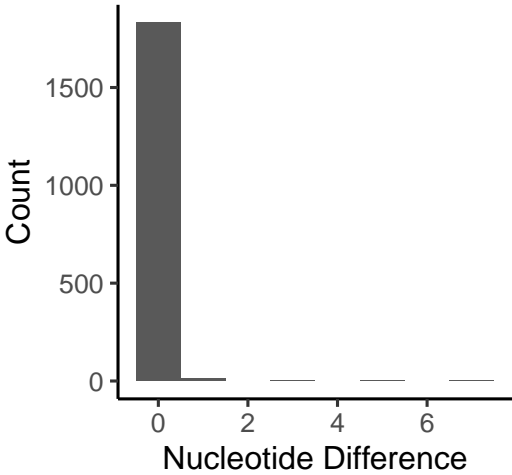
TRBV10-3*ap01

4249 sequences assigned
4206 (99%) exact matches, in which:
4146 unique CDR3
13 unique J



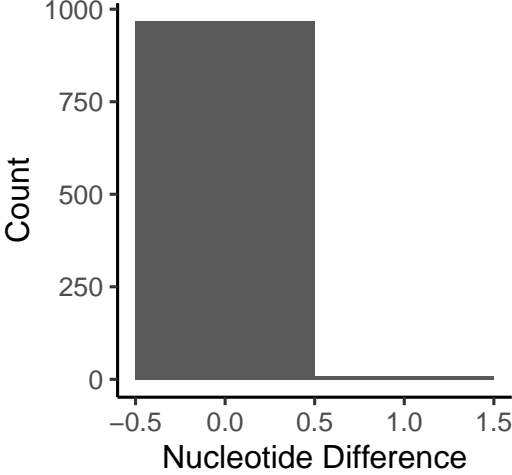
TRBV14*ap01

1847 sequences assigned
1831 (99.1%) exact matches, in which:
1814 unique CDR3
13 unique J



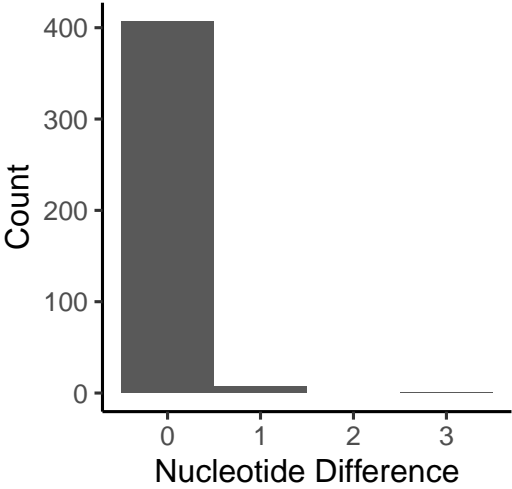
TRBV20-1*ap02

977 sequences assigned
968 (99.1%) exact matches, in which:
960 unique CDR3
13 unique J



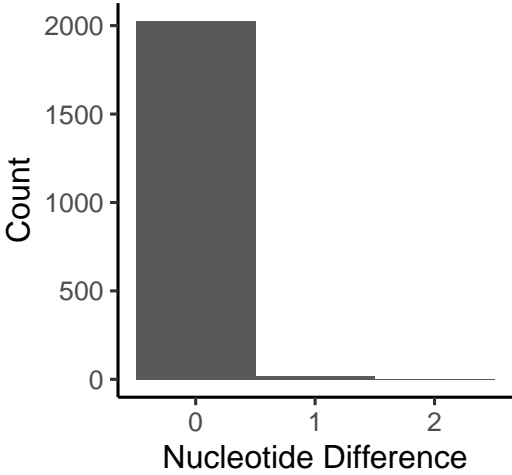
TRBV1*ap01

415 sequences assigned
407 (98.1%) exact matches, in which:
403 unique CDR3
13 unique J



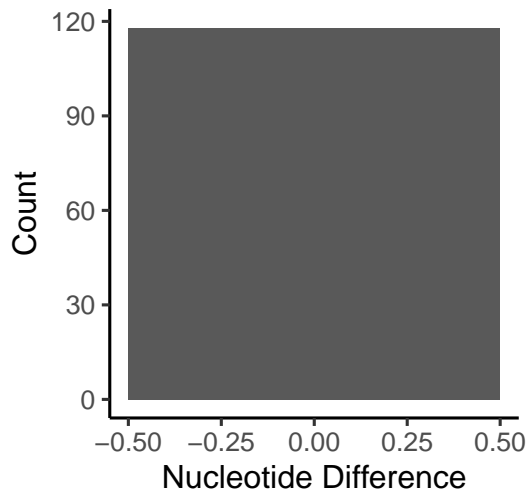
TRBV15*ap02

2047 sequences assigned
2026 (99%) exact matches, in which:
1996 unique CDR3
13 unique J



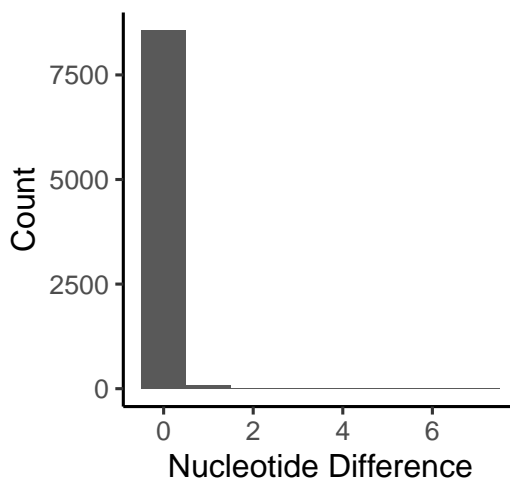
TRBV16*ap01

118 sequences assigned
118 (100%) exact matches, in which:
118 unique CDR3
12 unique J



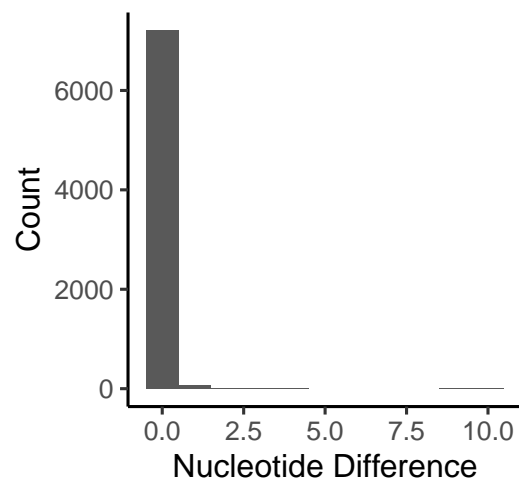
TRBV19*ap01

8653 sequences assigned
8564 (99%) exact matches, in which:
8513 unique CDR3
13 unique J



TRBV27*ap01

7297 sequences assigned
7208 (98.8%) exact matches, in which:
7118 unique CDR3
13 unique J



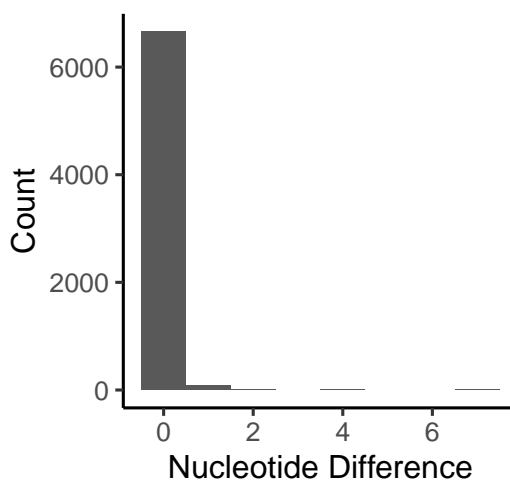
TRBV17*ap01

2 sequences assigned
No exact matches.



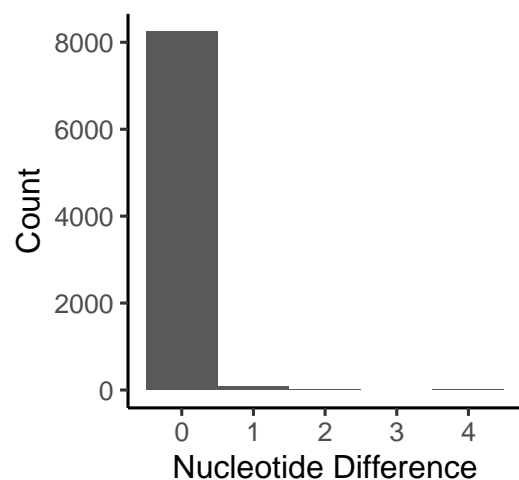
TRBV2*ap01

6757 sequences assigned
6657 (98.5%) exact matches, in which:
6565 unique CDR3
13 unique J



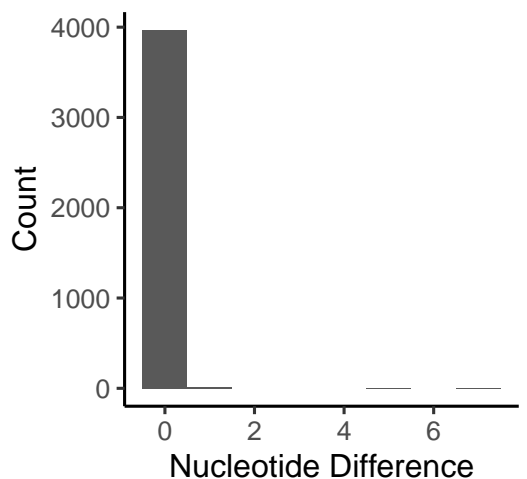
TRBV28*ap01

8318 sequences assigned
8243 (99.1%) exact matches, in which:
8164 unique CDR3
13 unique J



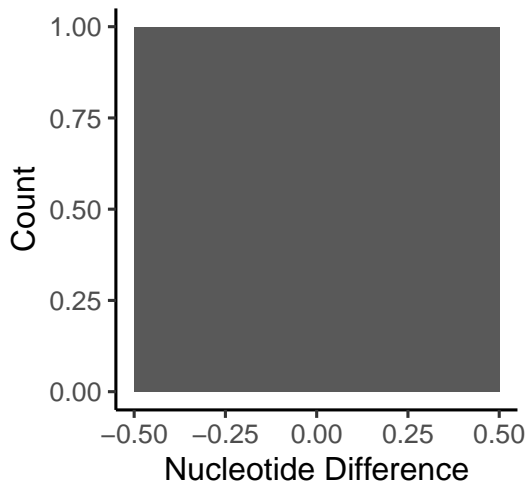
TRBV18*ap01

3987 sequences assigned
3968 (99.5%) exact matches, in which:
3954 unique CDR3
13 unique J



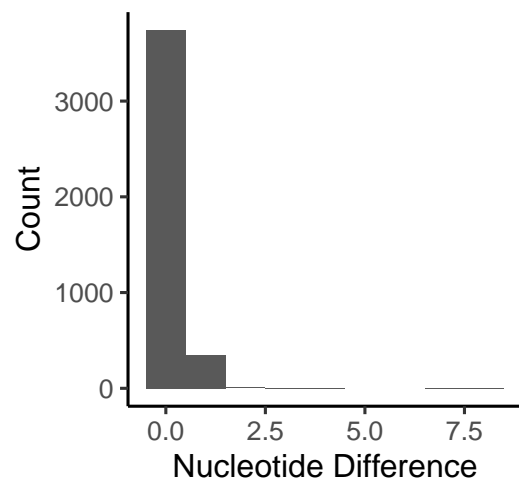
TRBV26*ap01

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



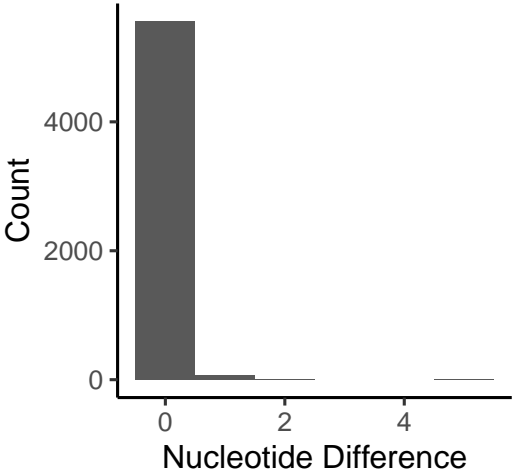
TRBV30*ap01

4109 sequences assigned
3742 (91.1%) exact matches, in which:
3639 unique CDR3
13 unique J



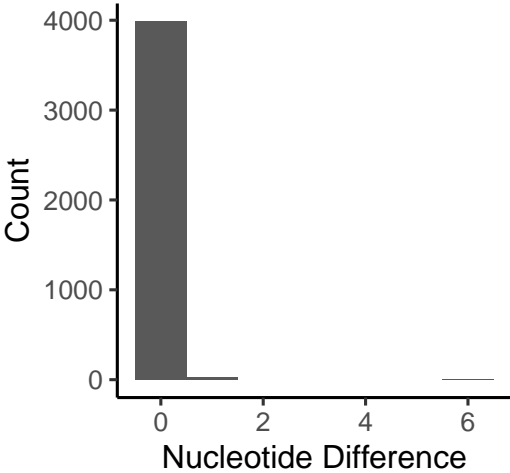
TRBV9*ap01

5627 sequences assigned
5558 (98.8%) exact matches, in which:
5521 unique CDR3
13 unique J



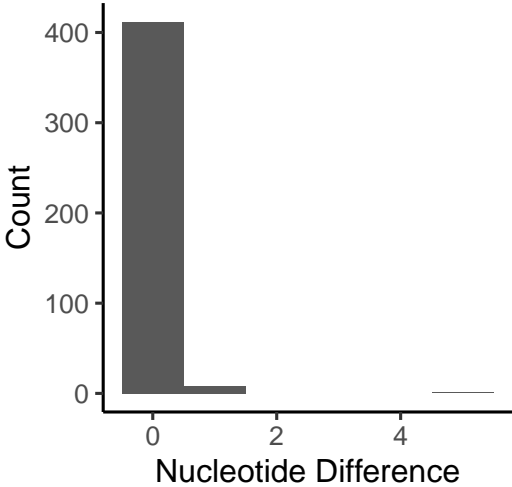
TRBV11-2*ap01

4012 sequences assigned
3987 (99.4%) exact matches, in which:
3955 unique CDR3
13 unique J



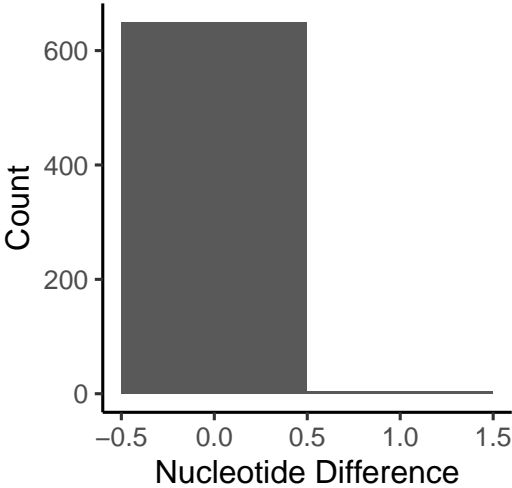
TRBV12-2*ap01

421 sequences assigned
412 (97.9%) exact matches, in which:
409 unique CDR3
13 unique J



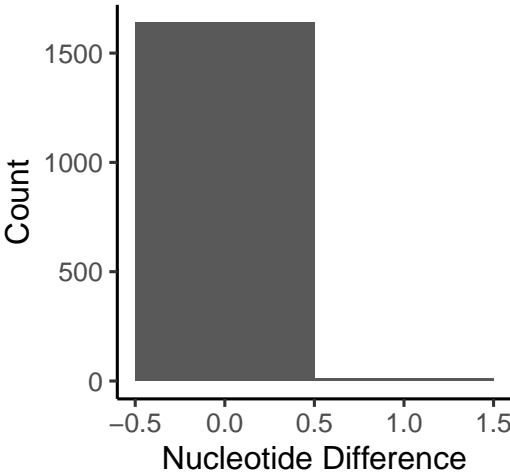
TRBV11-1*ap01

655 sequences assigned
650 (99.2%) exact matches, in which:
644 unique CDR3
13 unique J



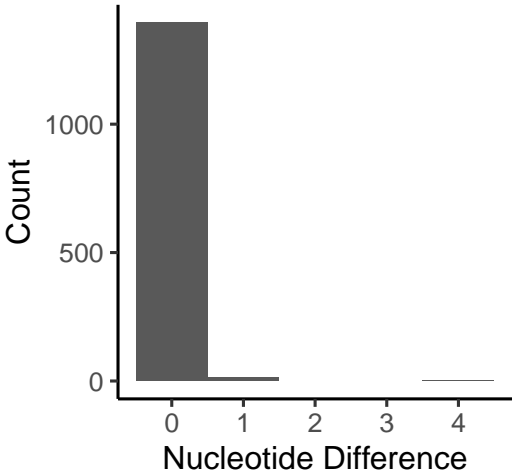
TRBV11-3*ap01

1649 sequences assigned
1639 (99.4%) exact matches, in which:
1624 unique CDR3
13 unique J



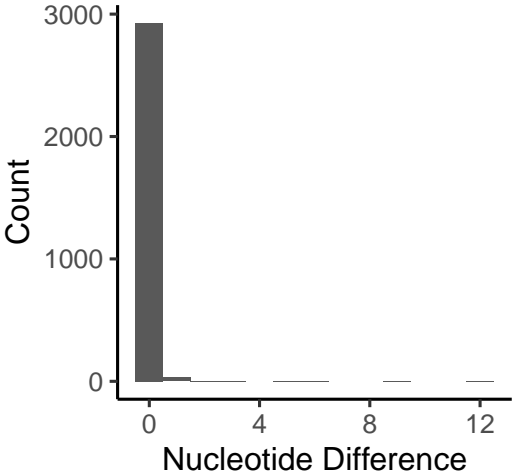
TRBV12-5*ap01

1410 sequences assigned
1395 (98.9%) exact matches, in which:
1386 unique CDR3
13 unique J



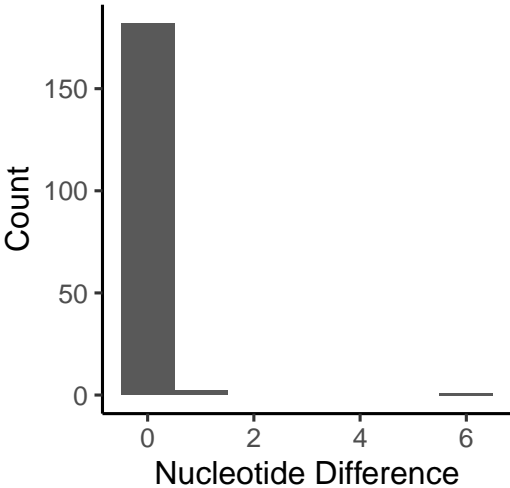
TRBV21-1*ap01

2976 sequences assigned
2927 (98.4%) exact matches, in which:
2912 unique CDR3
13 unique J



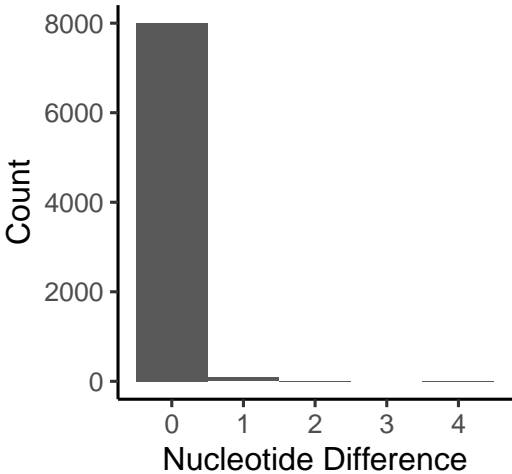
TRBV12-1*ap01

185 sequences assigned
182 (98.4%) exact matches, in which:
181 unique CDR3
13 unique J



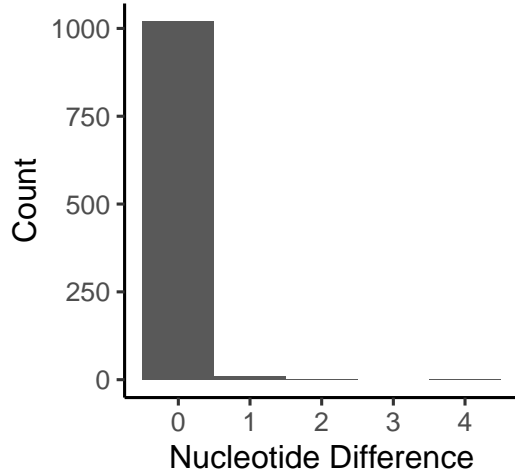
TRBV12-34*ap01

8094 sequences assigned
8003 (98.9%) exact matches, in which:
7914 unique CDR3
13 unique J



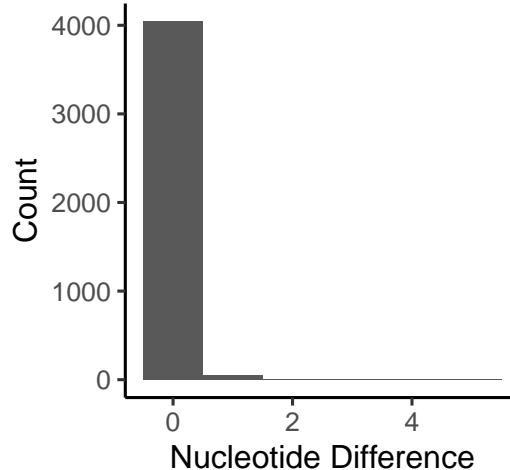
TRBV23-1*ap01

1032 sequences assigned
1020 (98.8%) exact matches, in which:
1016 unique CDR3
13 unique J



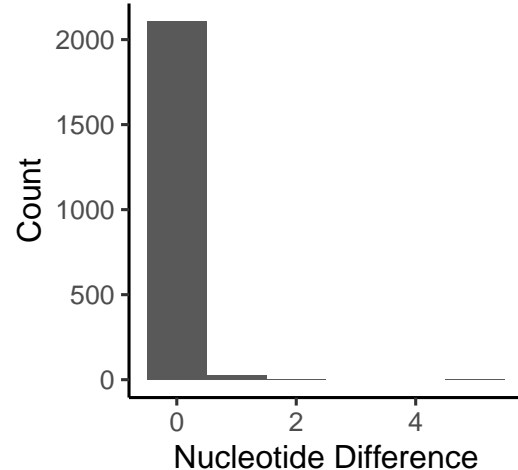
TRBV24-1*ap01

4107 sequences assigned
4044 (98.5%) exact matches, in which:
3983 unique CDR3
13 unique J



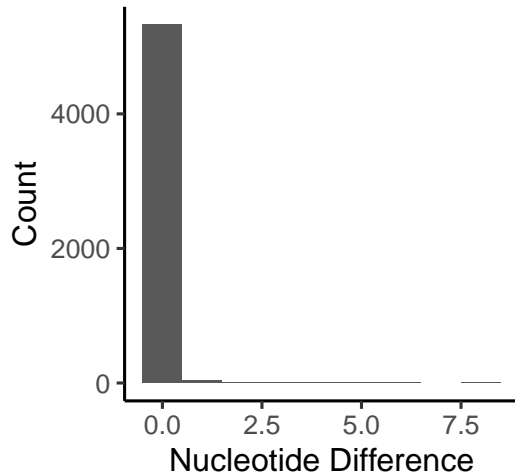
TRBV25-1*ap01

2137 sequences assigned
2107 (98.6%) exact matches, in which:
2066 unique CDR3
13 unique J



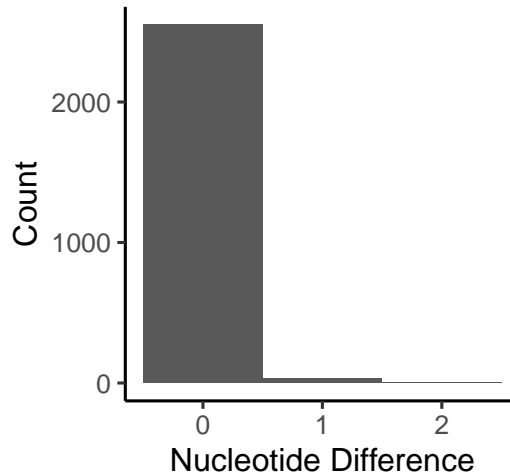
TRBV3-12*ap01

5369 sequences assigned
5325 (99.2%) exact matches, in which:
5286 unique CDR3
13 unique J



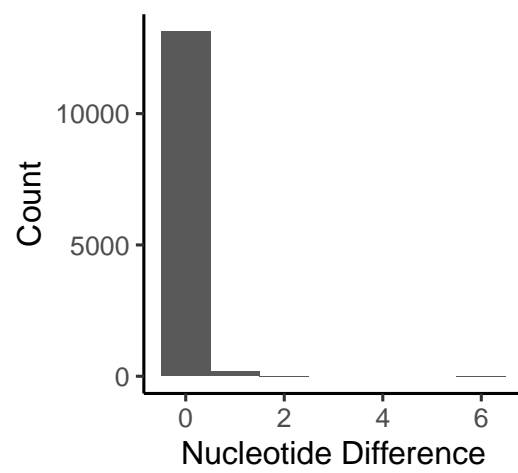
TRBV4-2*ap01

2582 sequences assigned
2550 (98.8%) exact matches, in which:
2511 unique CDR3
13 unique J



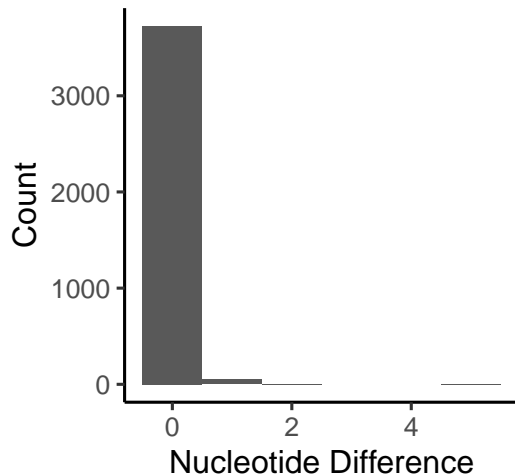
TRBV5-1*ap01

13304 sequences assigned
13128 (98.7%) exact matches, in which:
12950 unique CDR3
13 unique J



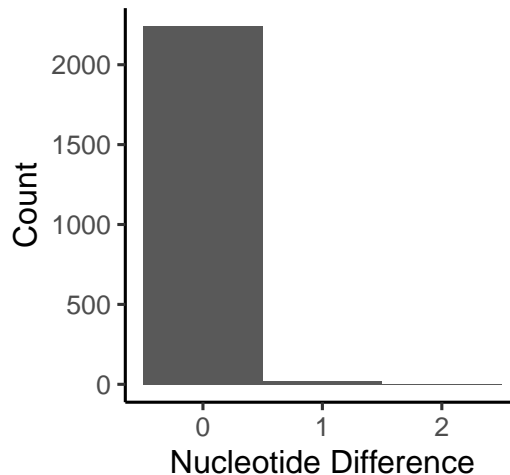
TRBV4-1*ap01

3779 sequences assigned
3725 (98.6%) exact matches, in which:
3674 unique CDR3
13 unique J



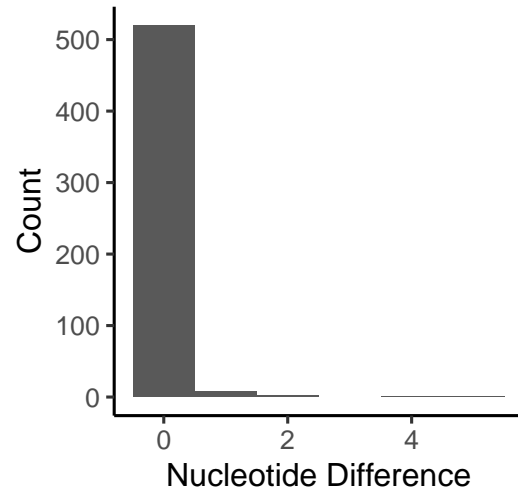
TRBV4-3*ap01

2264 sequences assigned
2242 (99%) exact matches, in which:
2211 unique CDR3
13 unique J



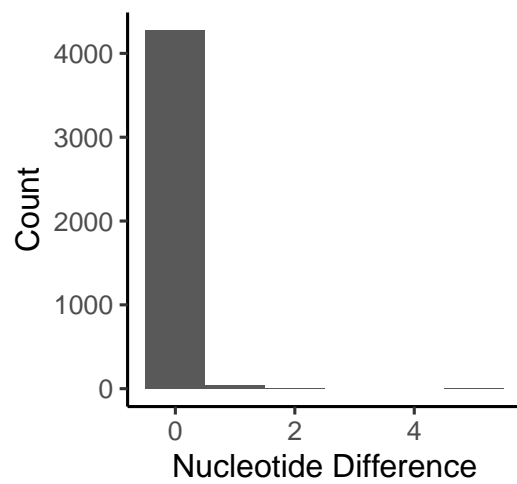
TRBV5-3*ap01

532 sequences assigned
520 (97.7%) exact matches, in which:
516 unique CDR3
13 unique J



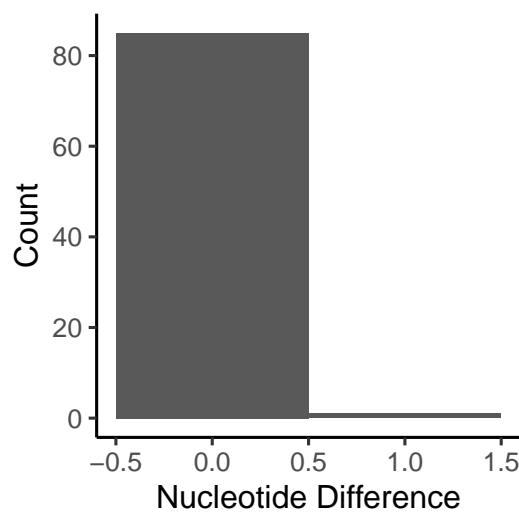
TRBV5-4*ap01

4314 sequences assigned
4274 (99.1%) exact matches, in which:
4224 unique CDR3
13 unique J



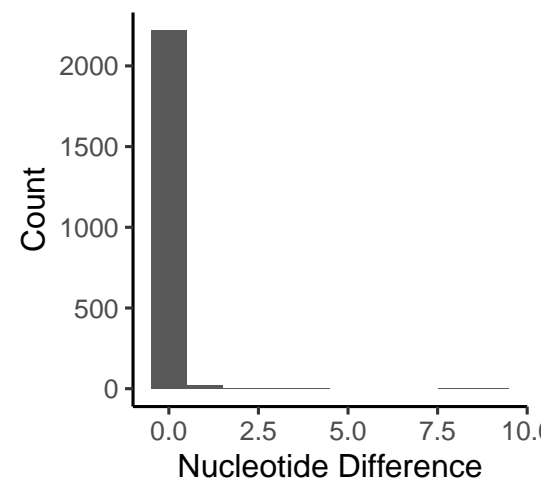
TRBV5-7*ap01

86 sequences assigned
85 (98.8%) exact matches, in which:
82 unique CDR3
13 unique J



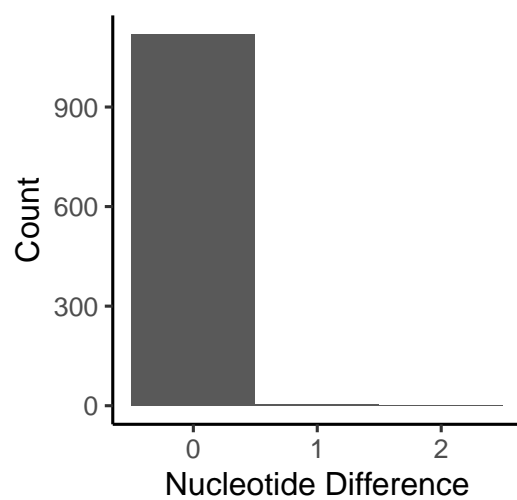
TRBV6-4*ap01

2251 sequences assigned
2220 (98.6%) exact matches, in which:
2207 unique CDR3
13 unique J



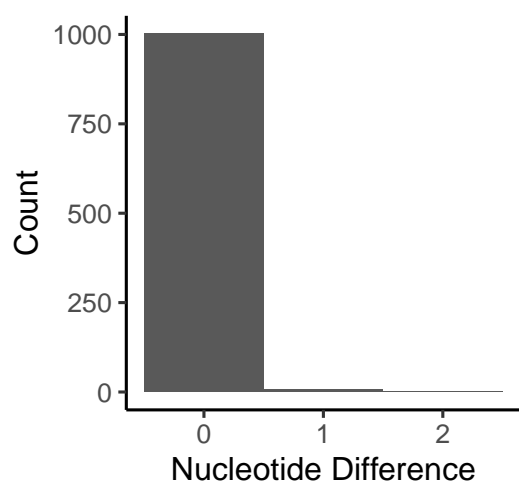
TRBV5-5*ap01

1127 sequences assigned
1120 (99.4%) exact matches, in which:
1114 unique CDR3
13 unique J



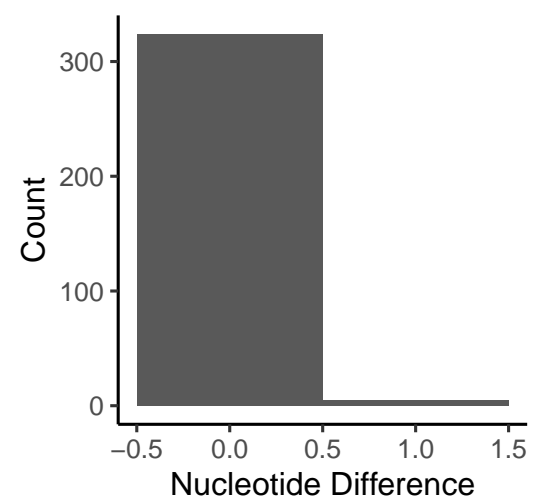
TRBV5-8*ap01

1011 sequences assigned
1002 (99.1%) exact matches, in which:
995 unique CDR3
13 unique J



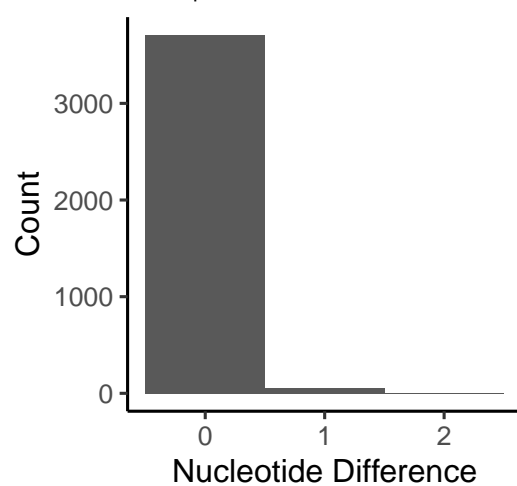
TRBV6-7*ap01

329 sequences assigned
324 (98.5%) exact matches, in which:
321 unique CDR3
13 unique J



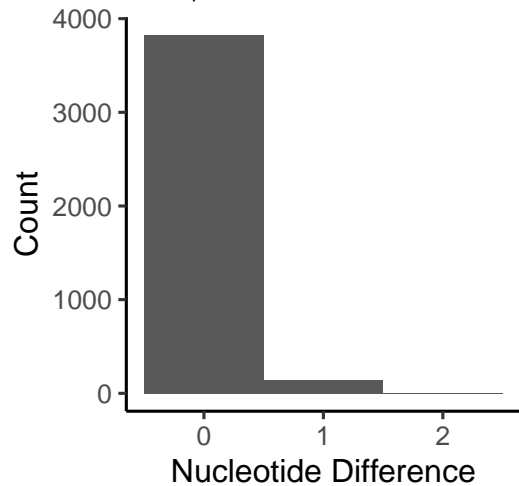
TRBV5-6*ap01

3761 sequences assigned
3707 (98.6%) exact matches, in which:
3632 unique CDR3
13 unique J



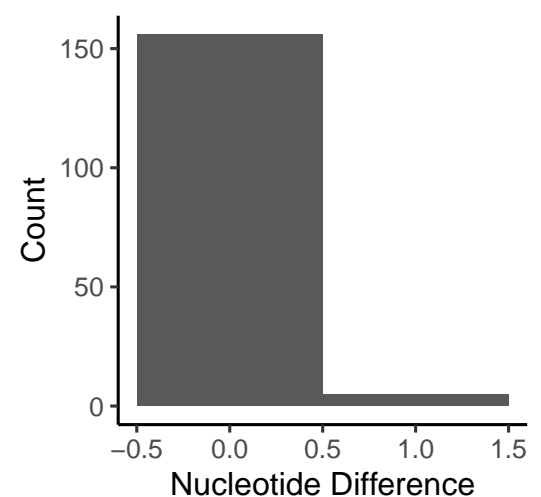
TRBV6-1*ap01

3971 sequences assigned
3825 (96.3%) exact matches, in which:
3764 unique CDR3
13 unique J



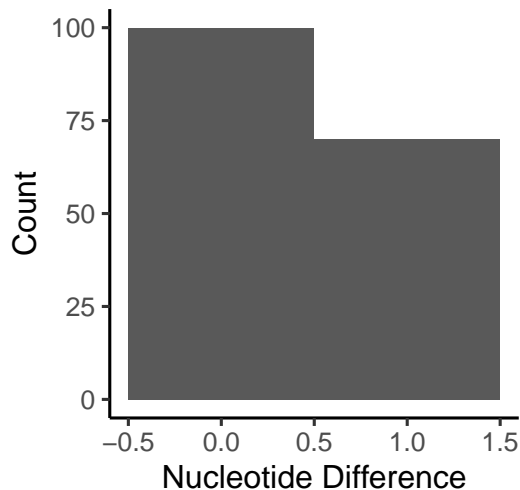
TRBV6-8*ap01

161 sequences assigned
156 (96.9%) exact matches, in which:
148 unique CDR3
12 unique J



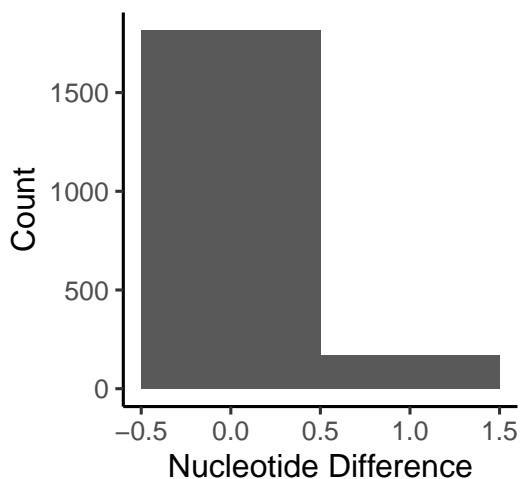
TRBV6-9*ap01

170 sequences assigned
100 (58.8%) exact matches, in which:
96 unique CDR3
13 unique J



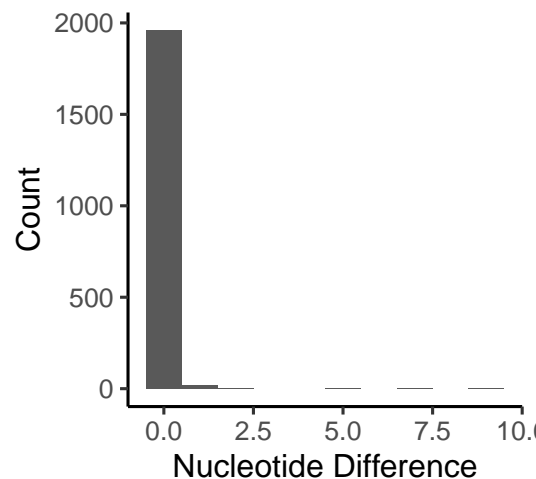
TRBV6-56*ap02

1984 sequences assigned
1815 (91.5%) exact matches, in which:
1778 unique CDR3
13 unique J



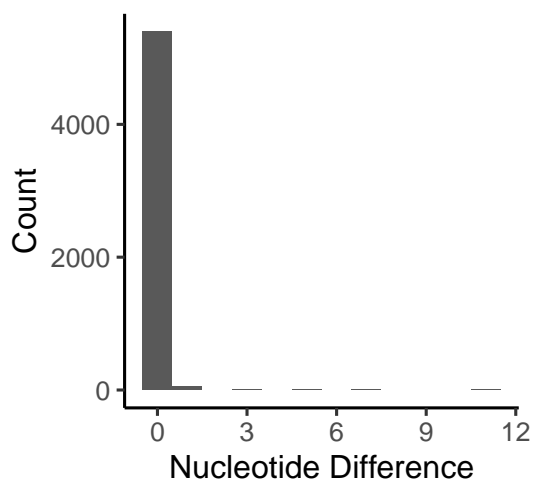
TRBV7-3*ap01

1983 sequences assigned
1959 (98.8%) exact matches, in which:
1942 unique CDR3
13 unique J



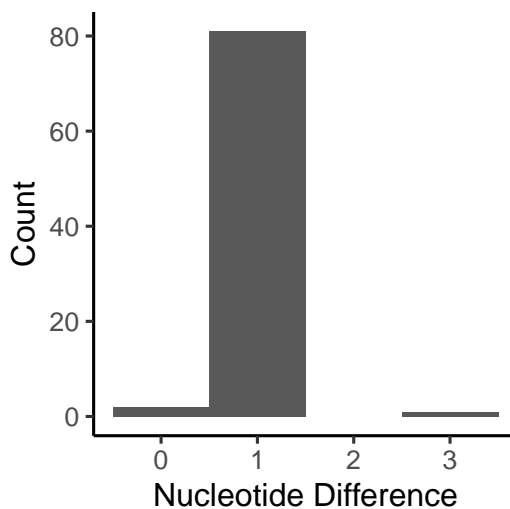
TRBV6-23*ap01

5459 sequences assigned
5395 (98.8%) exact matches, in which:
5258 unique CDR3
13 unique J



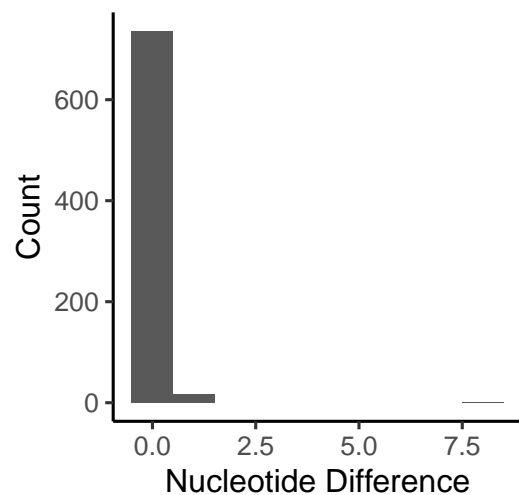
TRBV7-1*ap01_T296C

84 sequences assigned
2 (2.4%) exact matches, in which:
2 unique CDR3
2 unique J



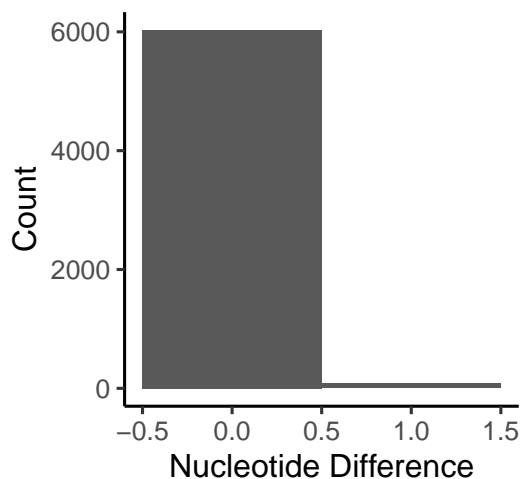
TRBV7-3*ap03

753 sequences assigned
736 (97.7%) exact matches, in which:
729 unique CDR3
13 unique J



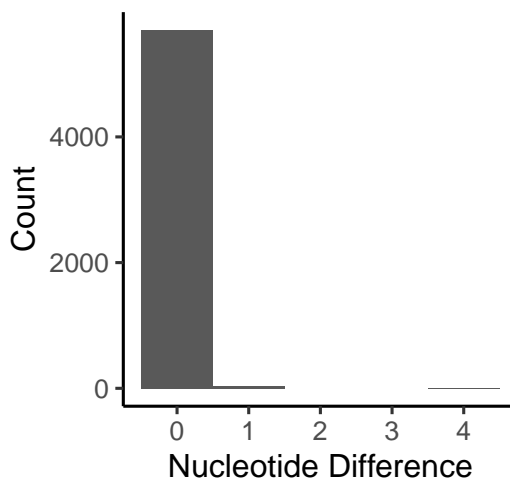
TRBV6-56*ap01

6108 sequences assigned
6030 (98.7%) exact matches, in which:
5906 unique CDR3
13 unique J



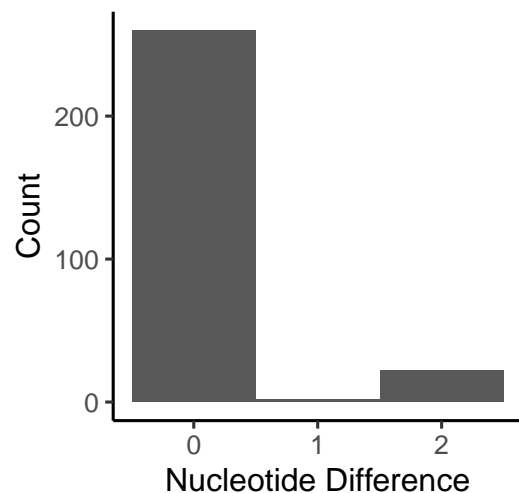
TRBV7-2*ap01

5739 sequences assigned
5700 (99.3%) exact matches, in which:
5637 unique CDR3
13 unique J



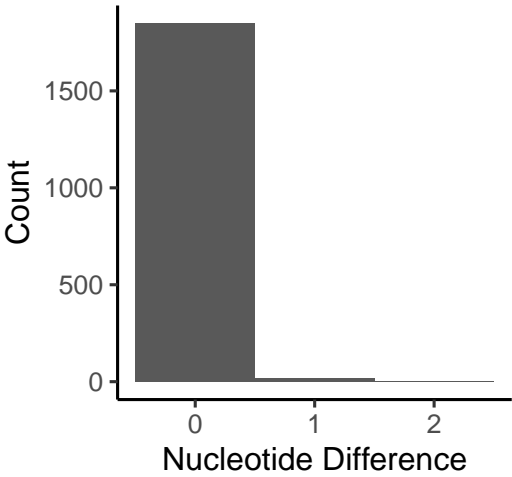
TRBV7-4*ap01

284 sequences assigned
260 (91.5%) exact matches, in which:
258 unique CDR3
13 unique J



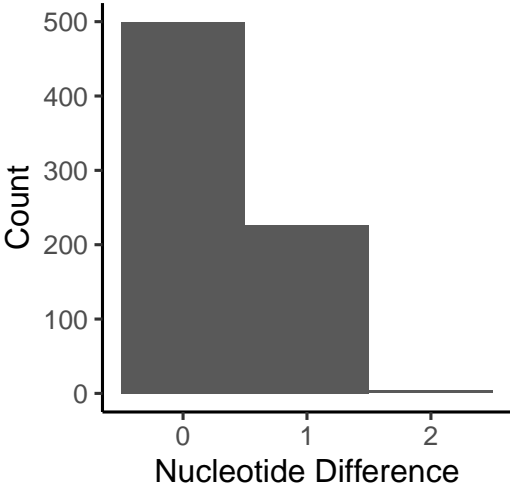
TRBV7-6*ap01

1865 sequences assigned
1848 (99.1%) exact matches, in which:
1824 unique CDR3
13 unique J



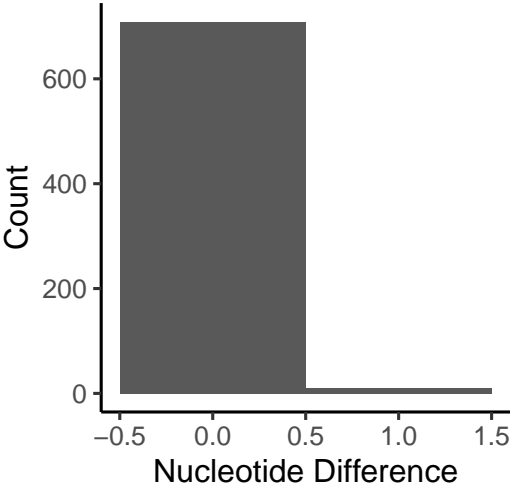
TRBV7-8*ap03

731 sequences assigned
500 (68.4%) exact matches, in which:
497 unique CDR3
13 unique J



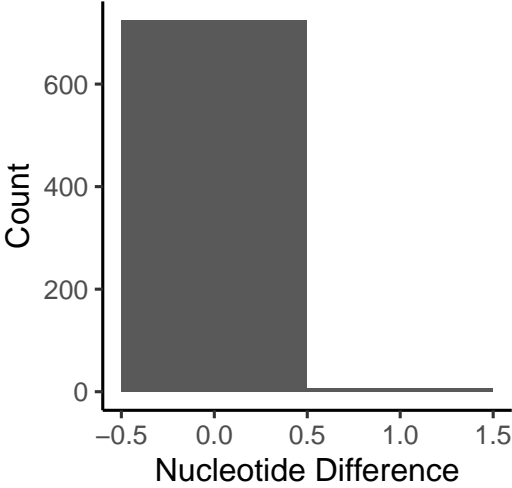
TRBV29-1*ap02

720 sequences assigned
709 (98.5%) exact matches, in which:
688 unique CDR3
13 unique J



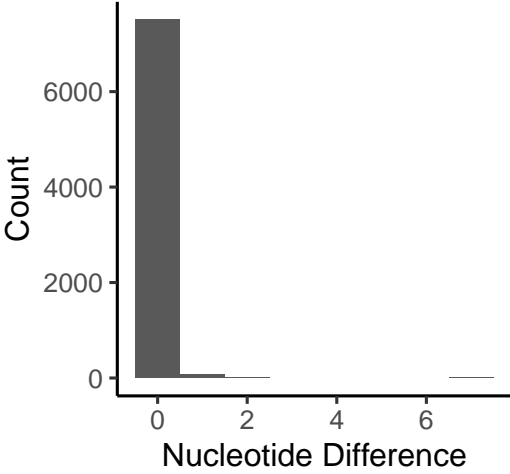
TRBV7-7*ap01

731 sequences assigned
725 (99.2%) exact matches, in which:
719 unique CDR3
13 unique J



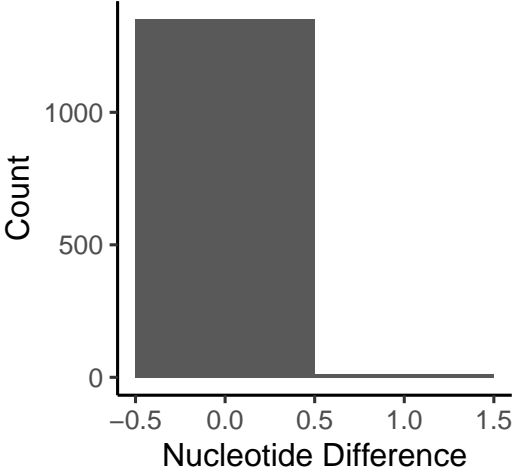
TRBV7-9*ap01

7590 sequences assigned
7506 (98.9%) exact matches, in which:
7427 unique CDR3
13 unique J



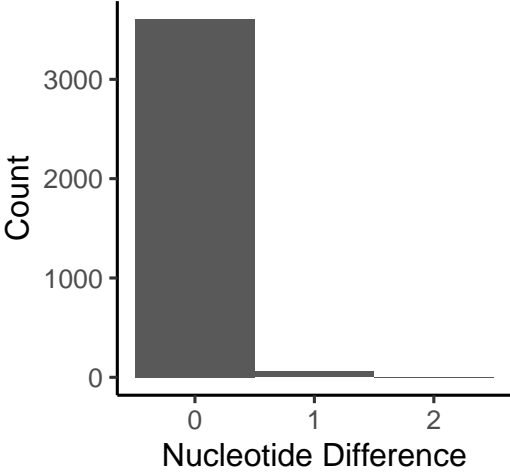
TRBV7-8*ap01

1364 sequences assigned
1352 (99.1%) exact matches, in which:
1341 unique CDR3
13 unique J

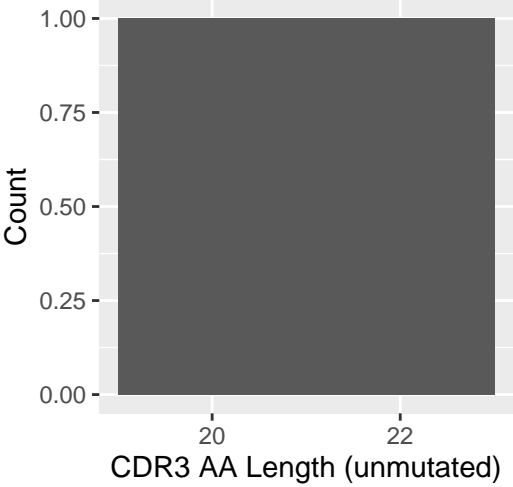


TRBV29-1*ap01

3665 sequences assigned
3607 (98.4%) exact matches, in which:
3505 unique CDR3
13 unique J



TRBV7-1*ap01_T296C





[illegible]