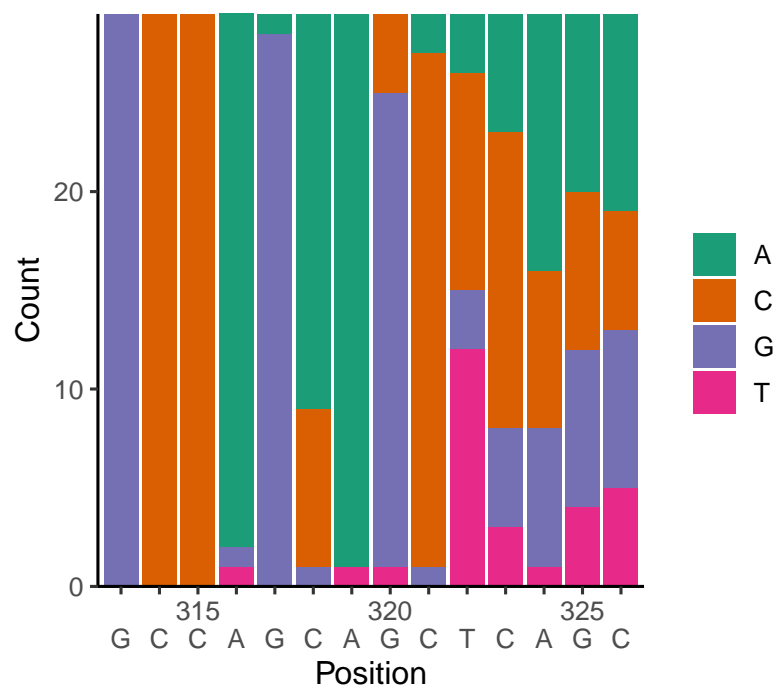
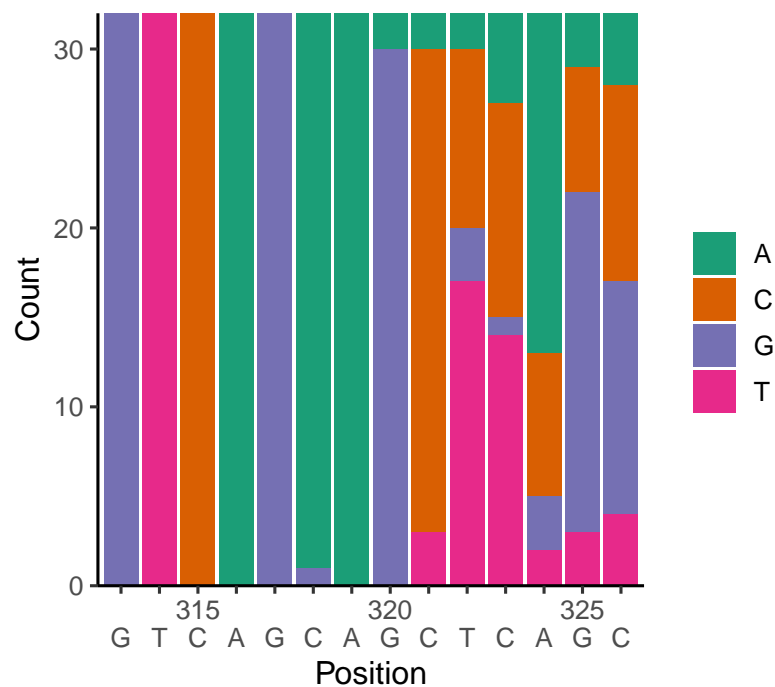


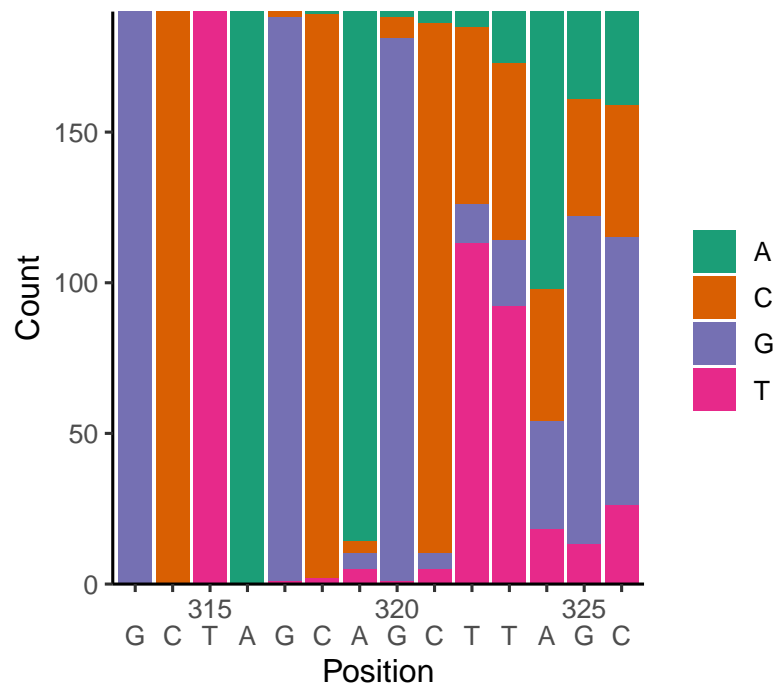
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_T296C



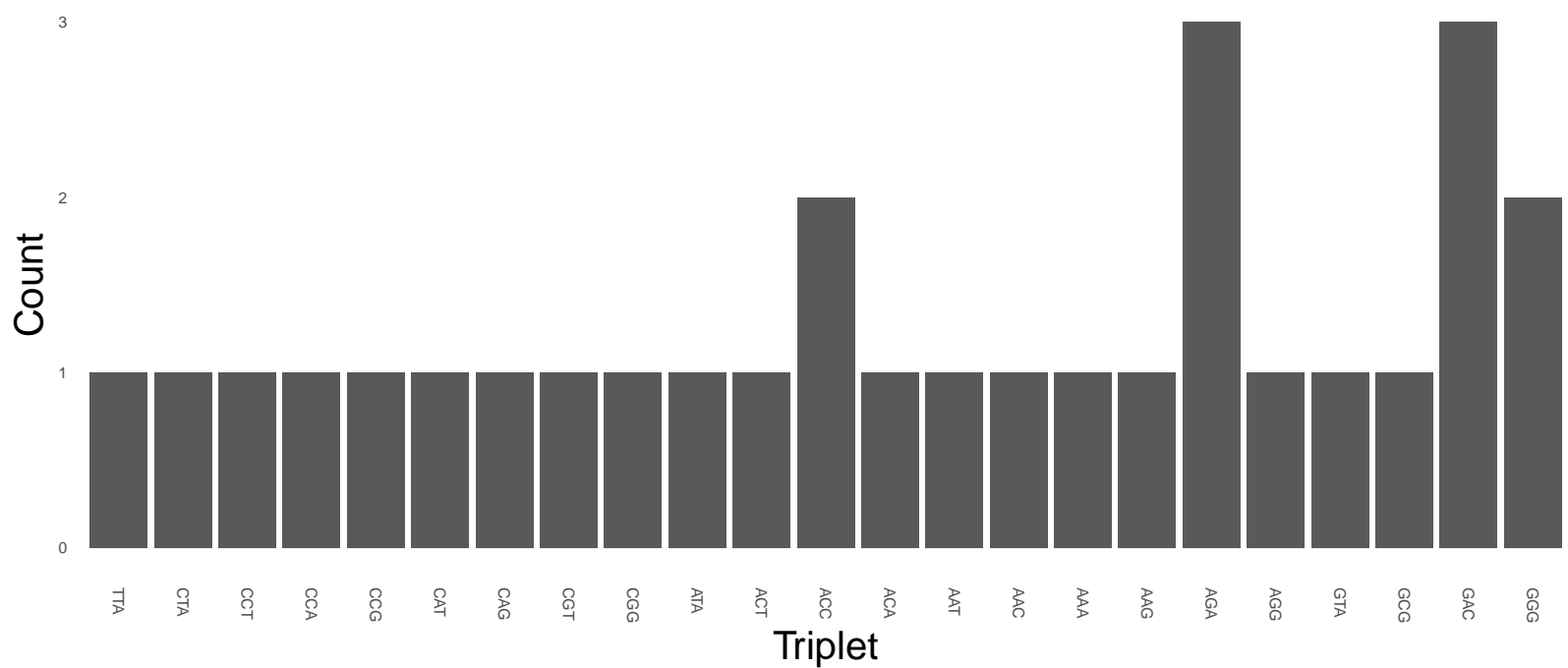
Gene TRBV7-1*ap01_T296C_C314T



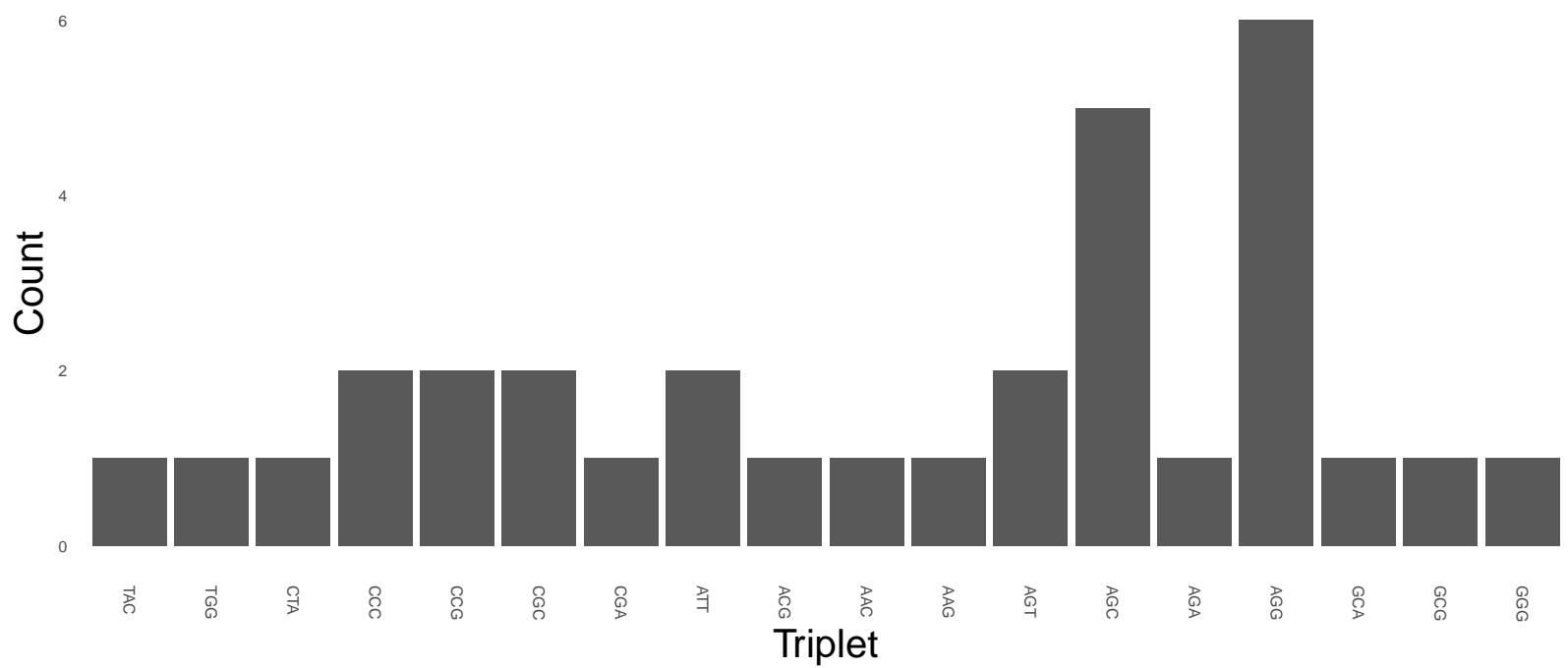
Gene TRBV7-7*ap01_C315T



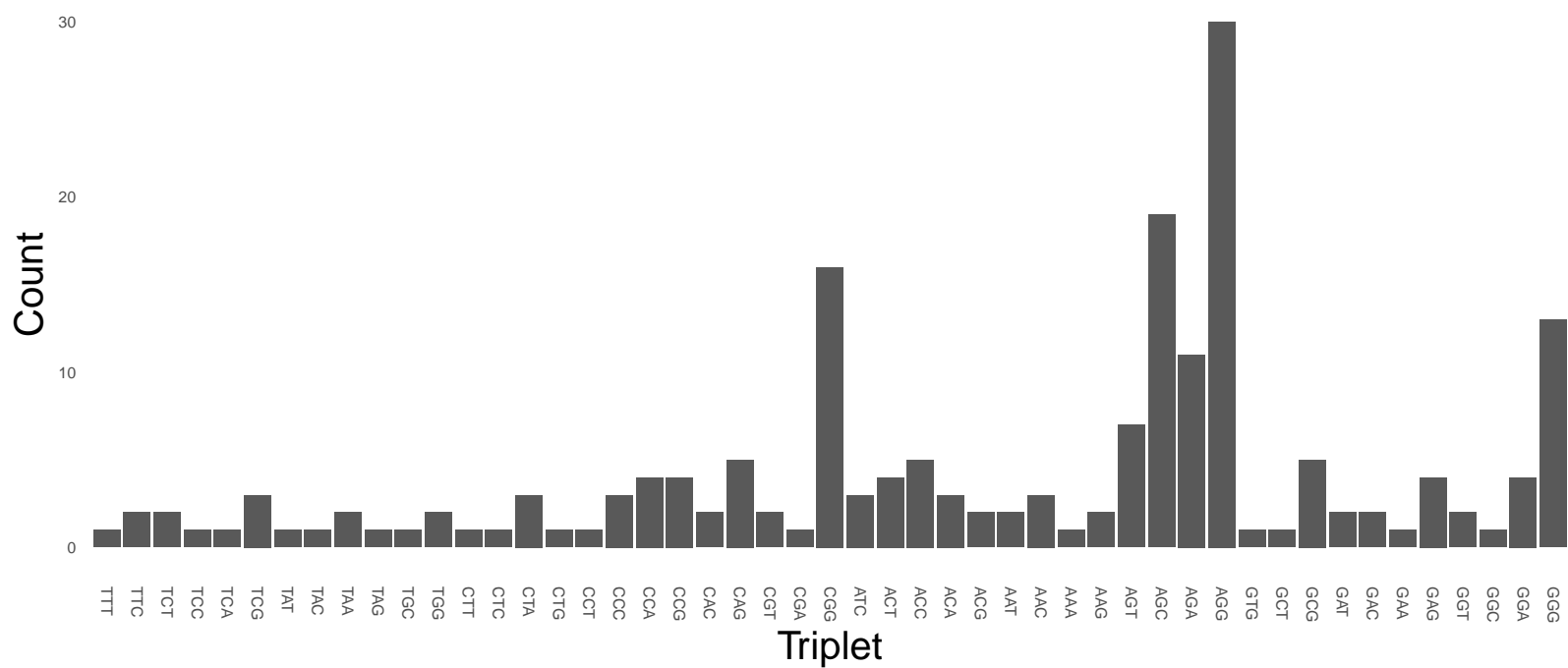
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



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

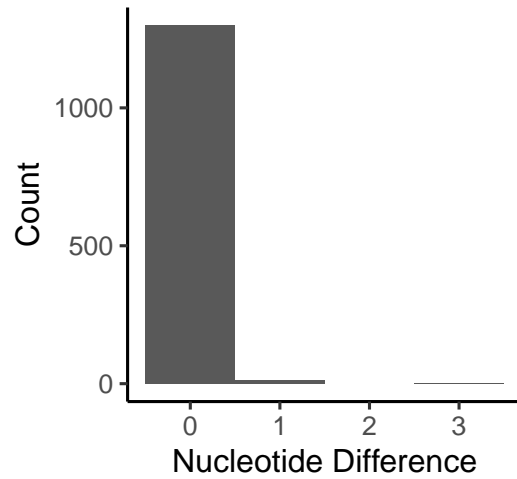


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



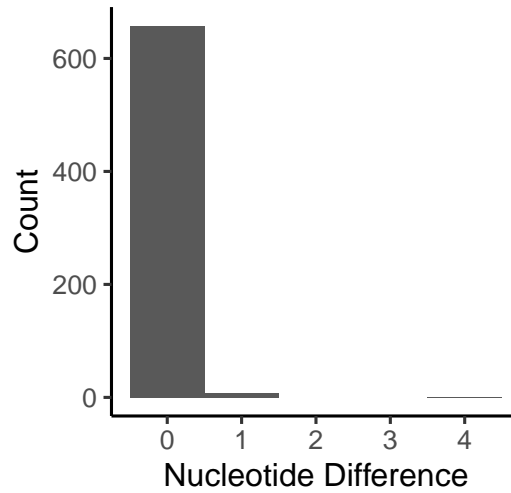
TRBV10-1*ap01

1311 sequences assigned
1299 (99.1%) exact matches, in which:
1280 unique CDR3
13 unique J



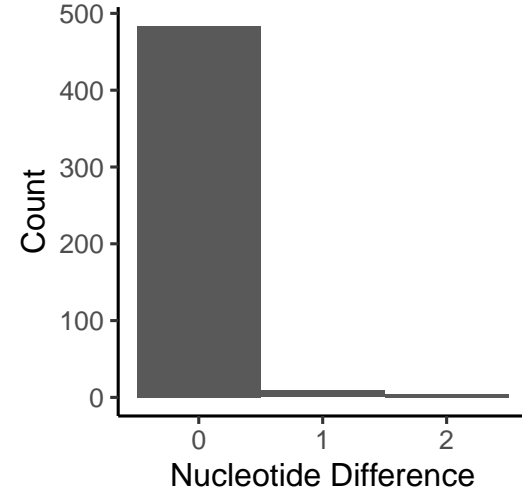
TRBV10-2*ap01

667 sequences assigned
658 (98.7%) exact matches, in which:
642 unique CDR3
13 unique J



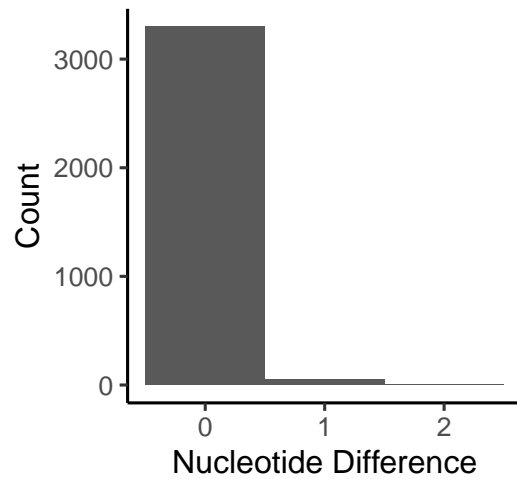
TRBV13*ap01

497 sequences assigned
484 (97.4%) exact matches, in which:
475 unique CDR3
13 unique J



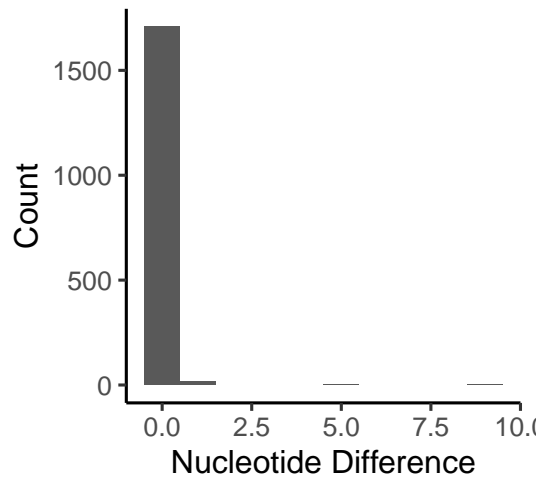
TRBV20-1*ap01

3346 sequences assigned
3298 (98.6%) exact matches, in which:
3224 unique CDR3
13 unique J



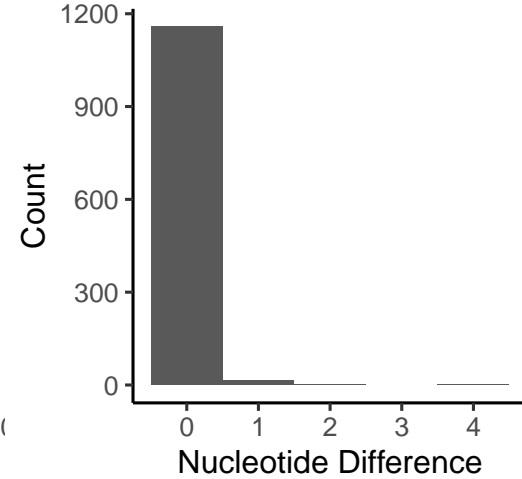
TRBV10-3*ap01

1727 sequences assigned
1708 (98.9%) exact matches, in which:
1674 unique CDR3
13 unique J



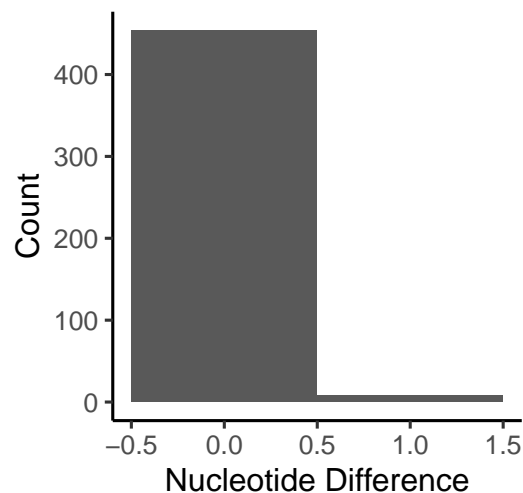
TRBV14*ap01

1176 sequences assigned
1158 (98.5%) exact matches, in which:
1138 unique CDR3
13 unique J



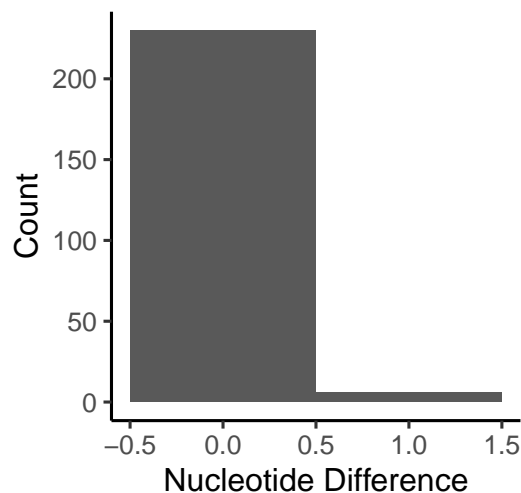
TRBV20-1*ap02

462 sequences assigned
454 (98.3%) exact matches, in which:
443 unique CDR3
13 unique J



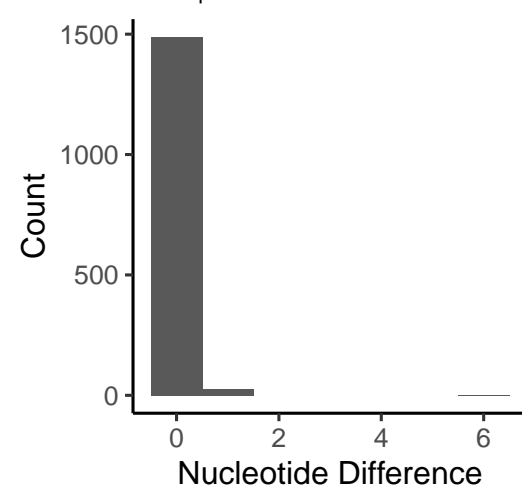
TRBV1*ap01

236 sequences assigned
230 (97.5%) exact matches, in which:
225 unique CDR3
12 unique J



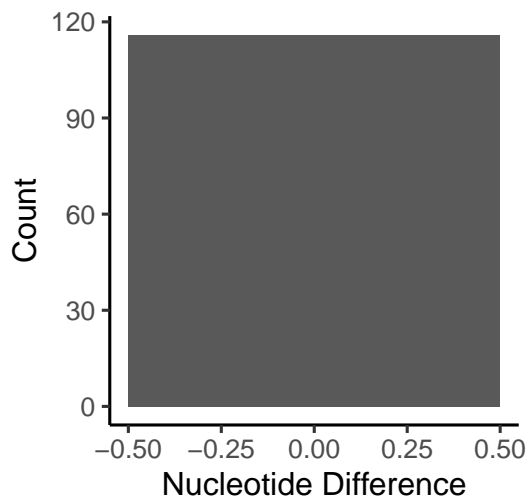
TRBV15*ap02

1516 sequences assigned
1488 (98.2%) exact matches, in which:
1452 unique CDR3
13 unique J



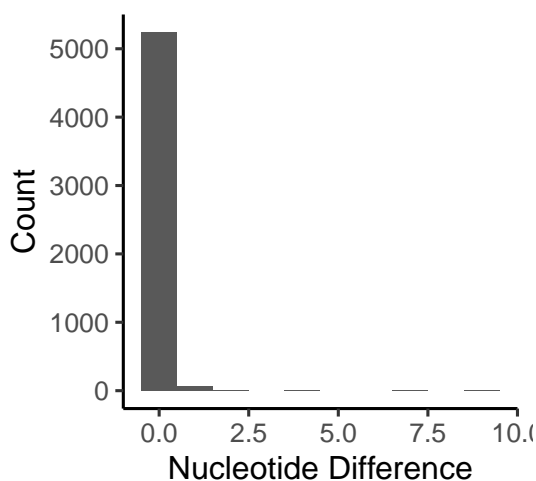
TRBV16*ap01

116 sequences assigned
116 (100%) exact matches, in which:
115 unique CDR3
13 unique J



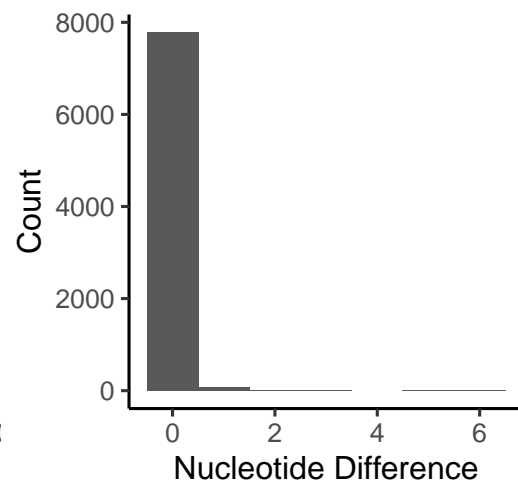
TRBV19*ap01

5305 sequences assigned
5239 (98.8%) exact matches, in which:
5132 unique CDR3
13 unique J



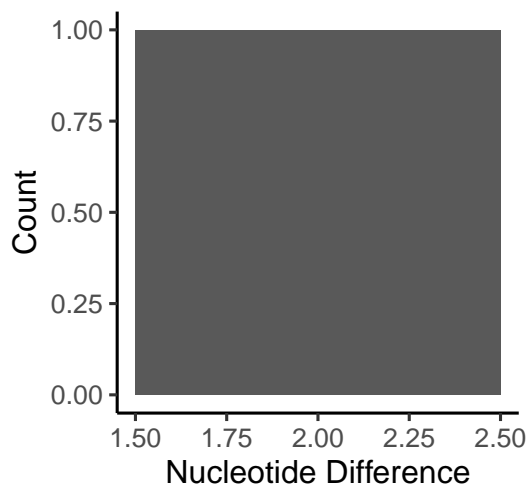
TRBV28*ap01

7872 sequences assigned
7781 (98.8%) exact matches, in which:
7637 unique CDR3
13 unique J



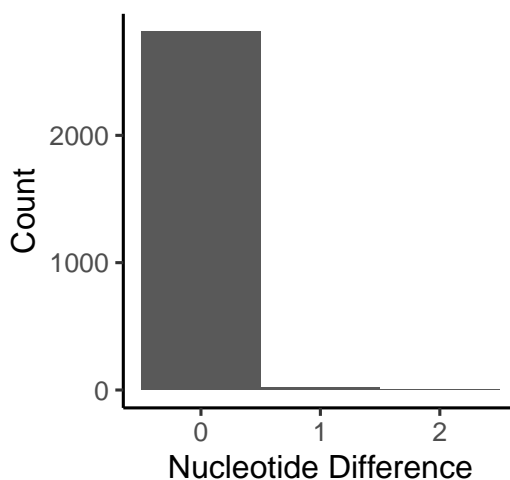
TRBV17*ap01

1 sequences assigned
No exact matches.



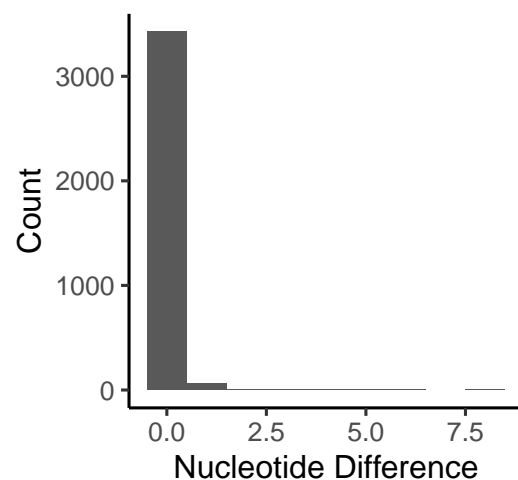
TRBV2*ap01

2834 sequences assigned
2814 (99.3%) exact matches, in which:
2786 unique CDR3
13 unique J



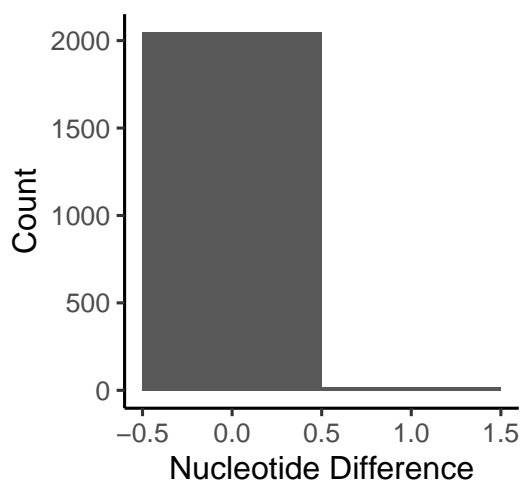
TRBV30*ap01

3500 sequences assigned
3426 (97.9%) exact matches, in which:
3389 unique CDR3
13 unique J



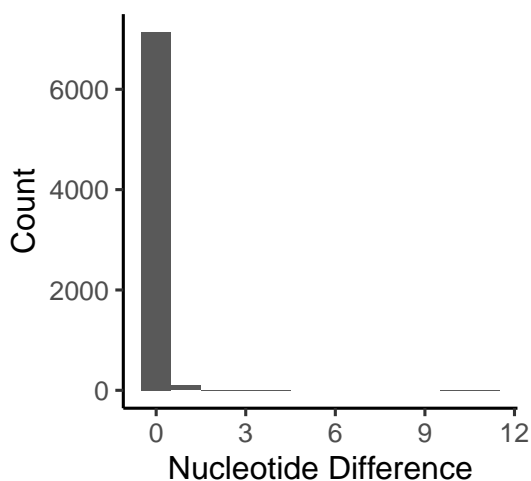
TRBV18*ap01

2067 sequences assigned
2049 (99.1%) exact matches, in which:
2017 unique CDR3
13 unique J



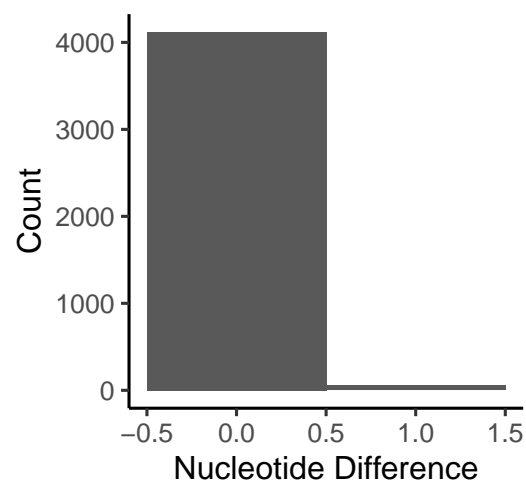
TRBV27*ap01

7244 sequences assigned
7141 (98.6%) exact matches, in which:
7003 unique CDR3
13 unique J



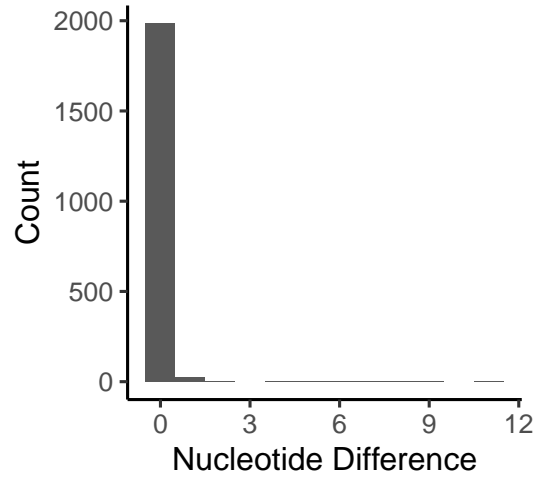
TRBV9*ap01

4174 sequences assigned
4119 (98.7%) exact matches, in which:
4033 unique CDR3
13 unique J



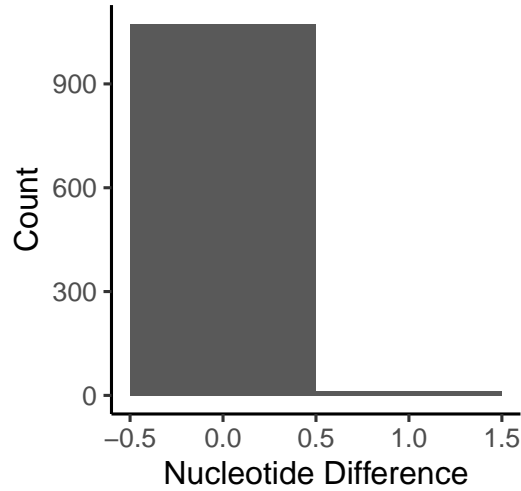
TRBV21-1*ap01

2020 sequences assigned
1985 (98.3%) exact matches, in which:
1945 unique CDR3
13 unique J



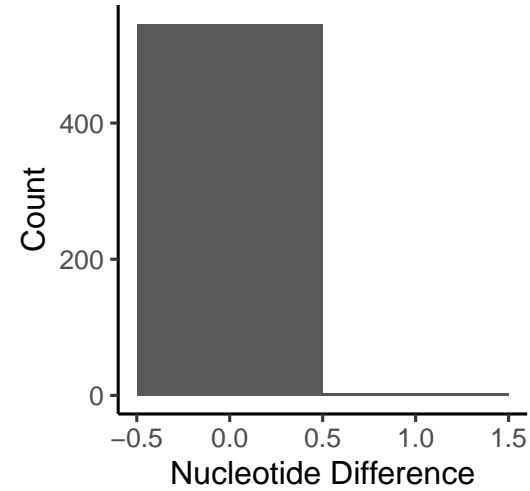
TRBV11-3*ap01

1087 sequences assigned
1074 (98.8%) exact matches, in which:
1053 unique CDR3
13 unique J



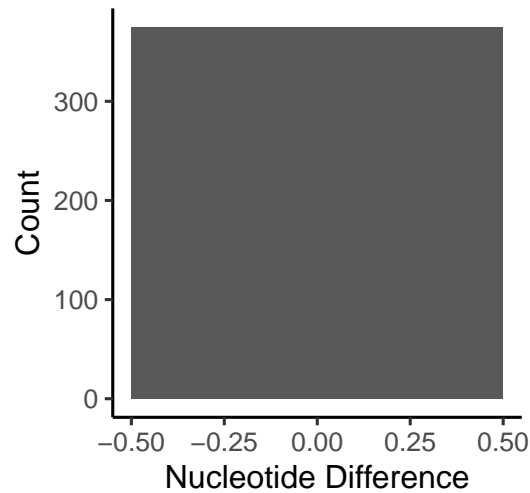
TRBV12-5*ap01

549 sequences assigned
546 (99.5%) exact matches, in which:
536 unique CDR3
13 unique J



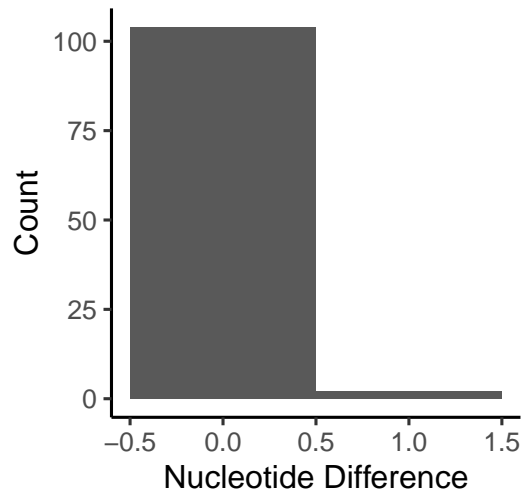
TRBV11-1*ap01

375 sequences assigned
375 (100%) exact matches, in which:
364 unique CDR3
13 unique J



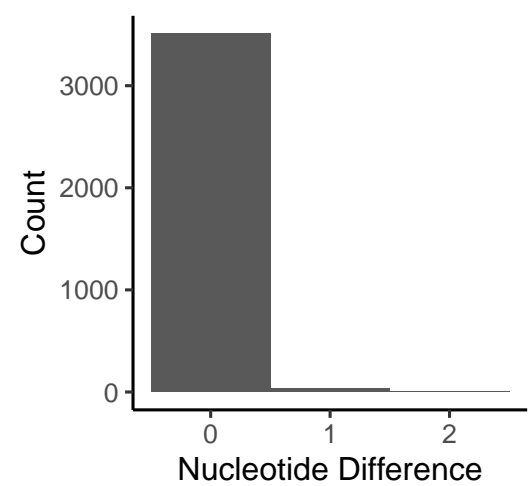
TRBV12-1*ap01

106 sequences assigned
104 (98.1%) exact matches, in which:
103 unique CDR3
13 unique J



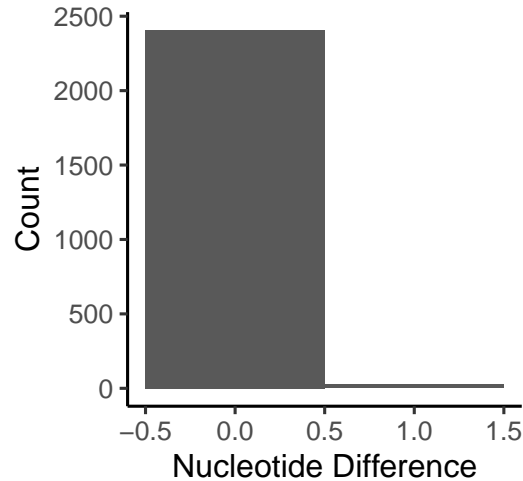
TRBV12-34*ap01

3548 sequences assigned
3509 (98.9%) exact matches, in which:
3444 unique CDR3
13 unique J



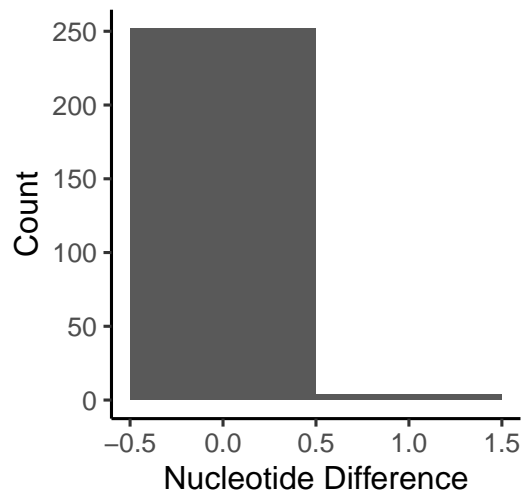
TRBV11-2*ap01

2433 sequences assigned
2407 (98.9%) exact matches, in which:
2364 unique CDR3
13 unique J



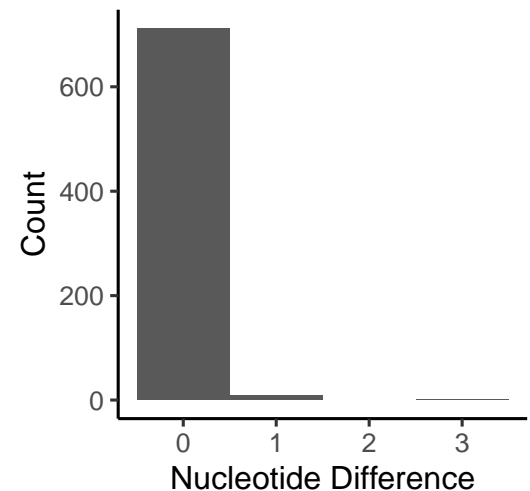
TRBV12-2*ap01

256 sequences assigned
252 (98.4%) exact matches, in which:
244 unique CDR3
13 unique J



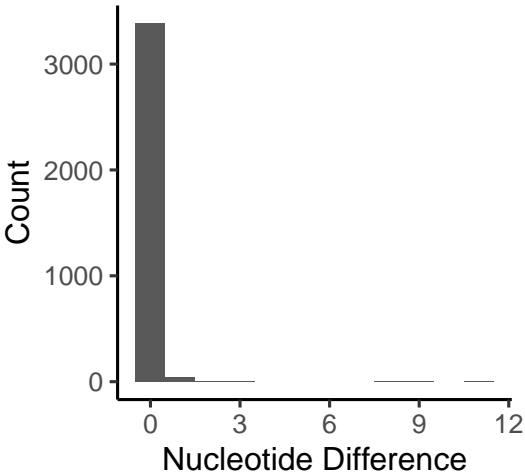
TRBV23-1*ap01

722 sequences assigned
712 (98.6%) exact matches, in which:
704 unique CDR3
13 unique J



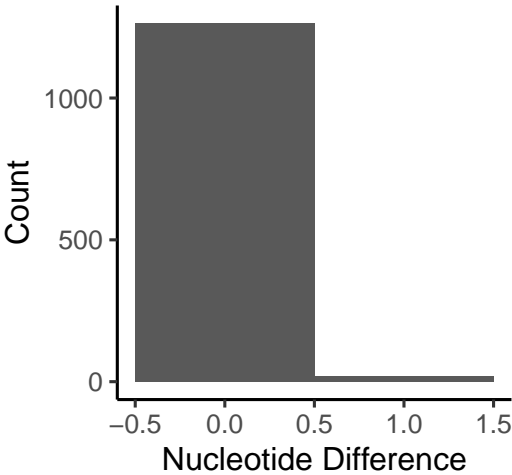
TRBV3-12*ap01

3431 sequences assigned
3384 (98.6%) exact matches, in which:
3330 unique CDR3
13 unique J



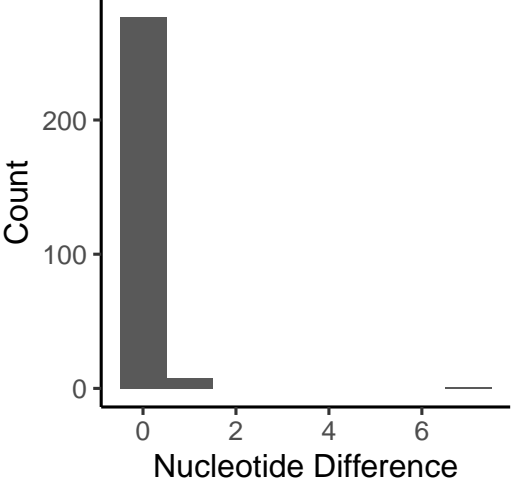
TRBV4-2*ap01

1281 sequences assigned
1263 (98.6%) exact matches, in which:
1240 unique CDR3
13 unique J



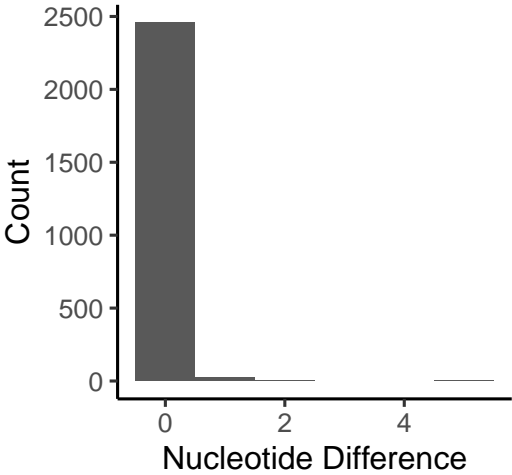
TRBV5-3*ap01

286 sequences assigned
277 (96.9%) exact matches, in which:
271 unique CDR3
13 unique J



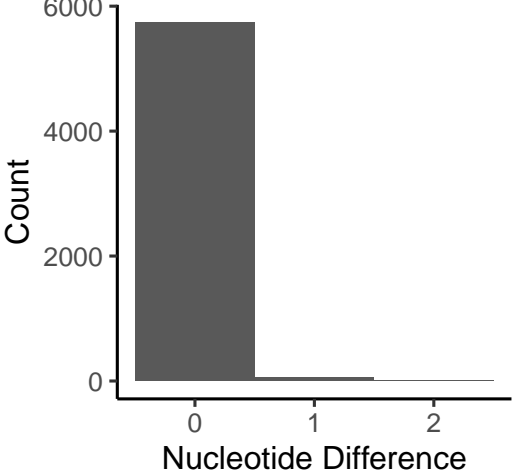
TRBV4-1*ap01

2483 sequences assigned
2457 (99%) exact matches, in which:
2416 unique CDR3
13 unique J



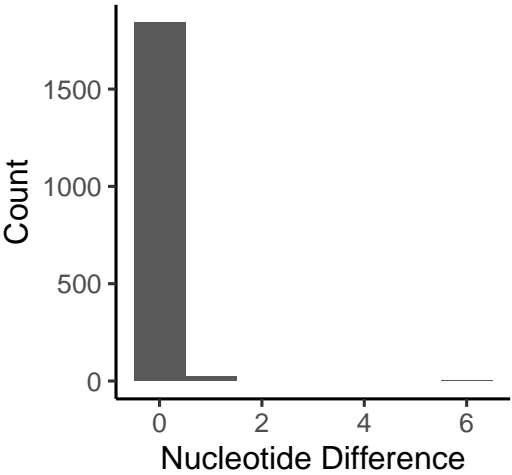
TRBV5-1*ap01

5801 sequences assigned
5735 (98.9%) exact matches, in which:
5613 unique CDR3
13 unique J



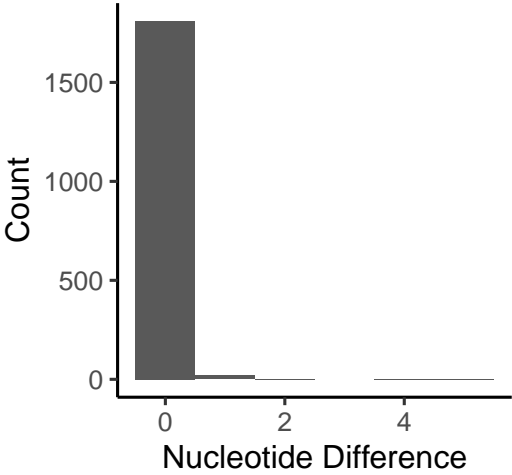
TRBV5-4*ap01

1865 sequences assigned
1841 (98.7%) exact matches, in which:
1805 unique CDR3
13 unique J



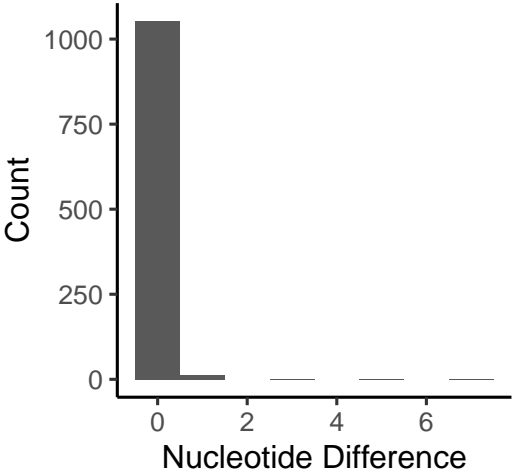
TRBV24-1*ap01

1836 sequences assigned
1810 (98.6%) exact matches, in which:
1796 unique CDR3
13 unique J



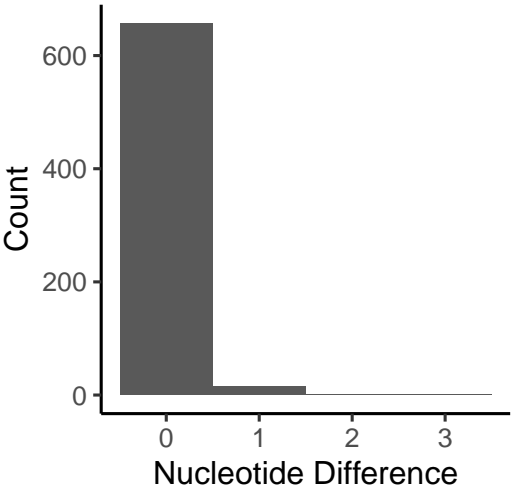
TRBV25-1*ap01

1069 sequences assigned
1053 (98.5%) exact matches, in which:
1048 unique CDR3
13 unique J



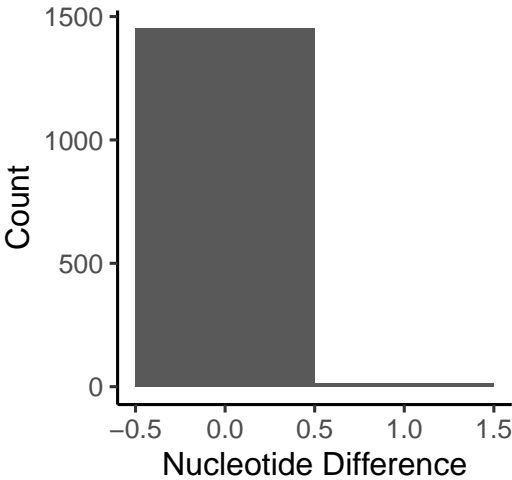
TRBV5-5*ap01

674 sequences assigned
657 (97.5%) exact matches, in which:
642 unique CDR3
13 unique J



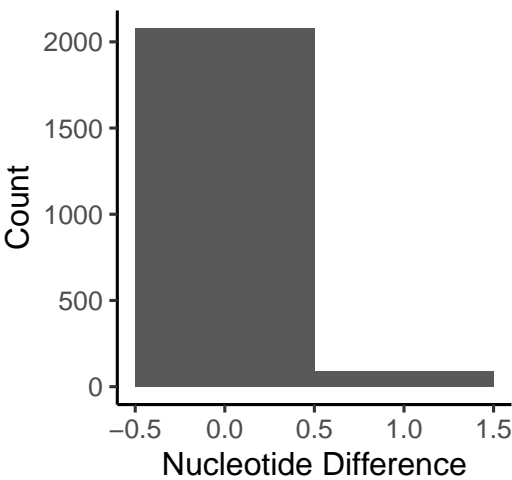
TRBV5-6*ap01

1467 sequences assigned
1452 (99%) exact matches, in which:
1426 unique CDR3
13 unique J



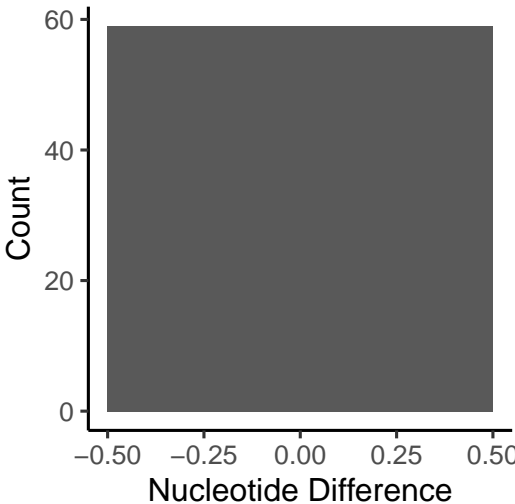
TRBV6-1*ap01

2169 sequences assigned
2078 (95.8%) exact matches, in which:
2037 unique CDR3
13 unique J



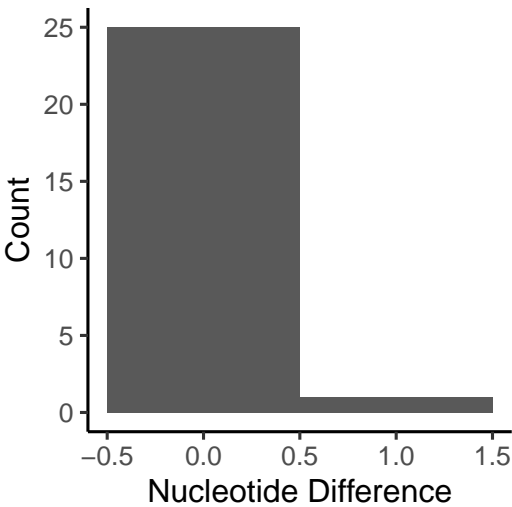
TRBV6-8*ap01

59 sequences assigned
59 (100%) exact matches, in which:
58 unique CDR3
12 unique J



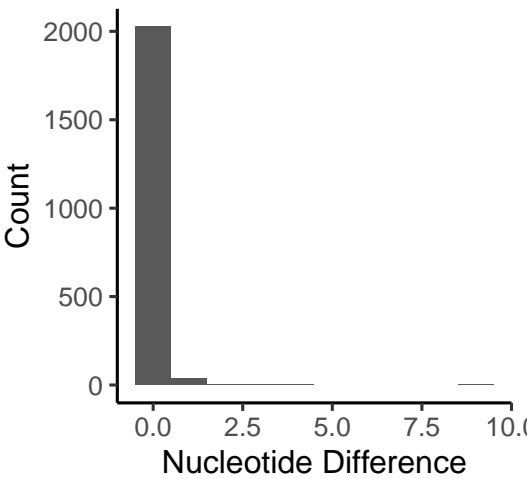
TRBV5-7*ap01

26 sequences assigned
25 (96.2%) exact matches, in which:
25 unique CDR3
10 unique J



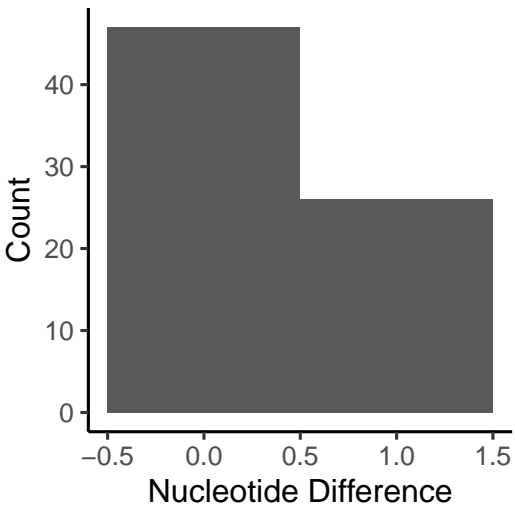
TRBV6-4*ap01

2070 sequences assigned
2026 (97.9%) exact matches, in which:
2004 unique CDR3
13 unique J



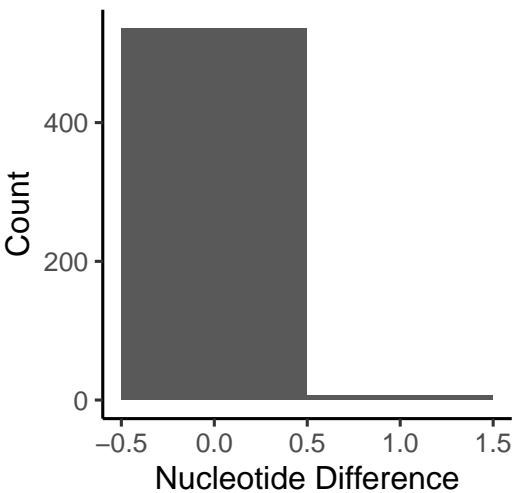
TRBV6-9*ap01

73 sequences assigned
47 (64.4%) exact matches, in which:
47 unique CDR3
12 unique J



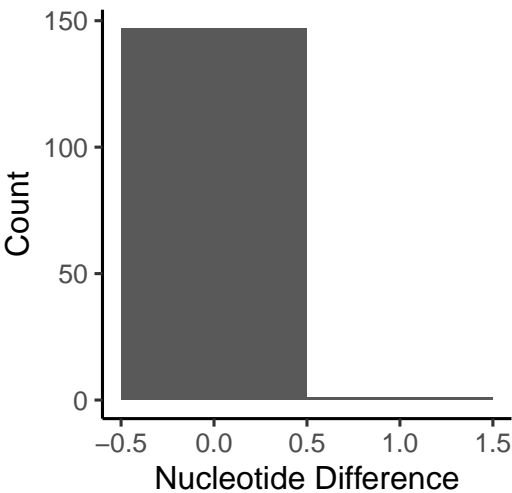
TRBV5-8*ap01

542 sequences assigned
536 (98.9%) exact matches, in which:
532 unique CDR3
13 unique J



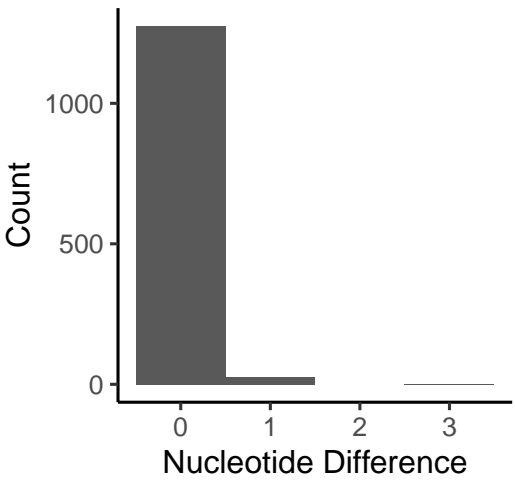
TRBV6-7*ap01

148 sequences assigned
147 (99.3%) exact matches, in which:
144 unique CDR3
13 unique J



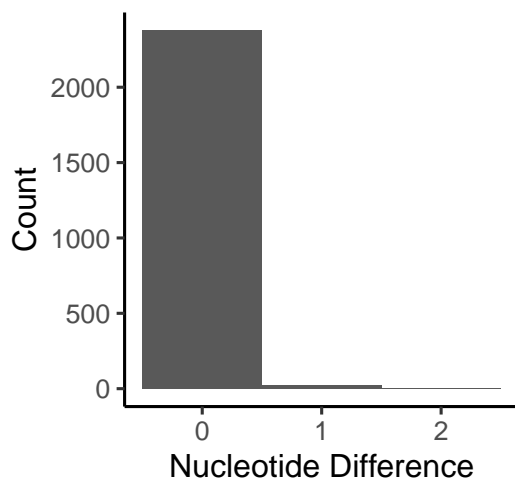
TRBV6-23*ap01

1301 sequences assigned
1275 (98%) exact matches, in which:
1261 unique CDR3
13 unique J



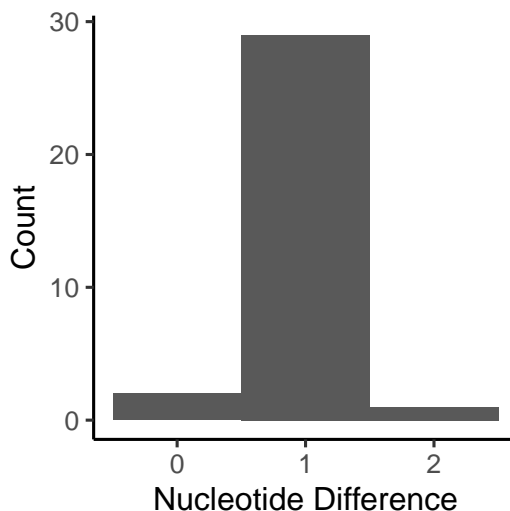
TRBV6-56*ap01

2405 sequences assigned
2377 (98.8%) exact matches, in which:
2346 unique CDR3
13 unique J



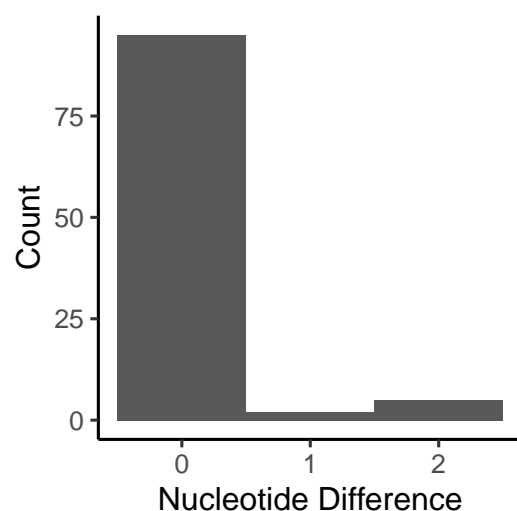
TRBV7-1*ap01_T296C_C

32 sequences assigned
2 (6.2%) exact matches, in which:
2 unique CDR3
1 unique J



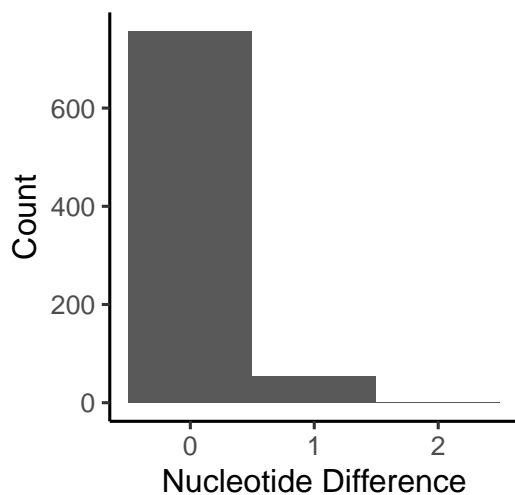
TRBV7-4*ap01

102 sequences assigned
95 (93.1%) exact matches, in which:
92 unique CDR3
13 unique J



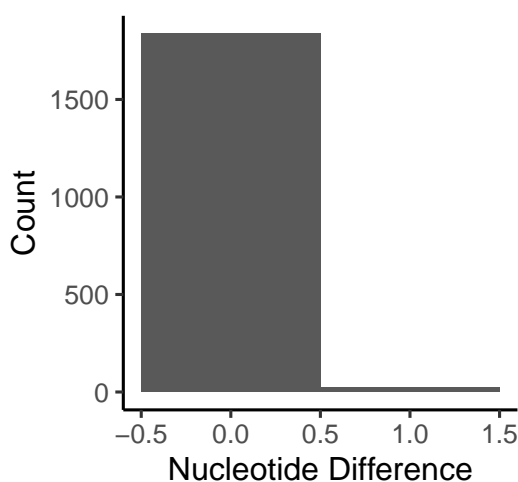
TRBV6-56*ap02

812 sequences assigned
757 (93.2%) exact matches, in which:
751 unique CDR3
13 unique J



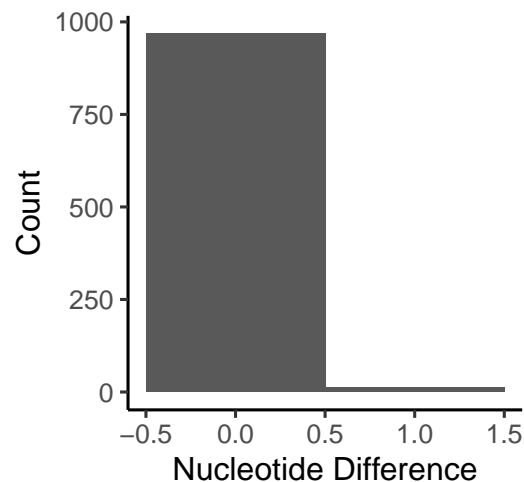
TRBV7-2*ap01

1859 sequences assigned
1837 (98.8%) exact matches, in which:
1806 unique CDR3
13 unique J



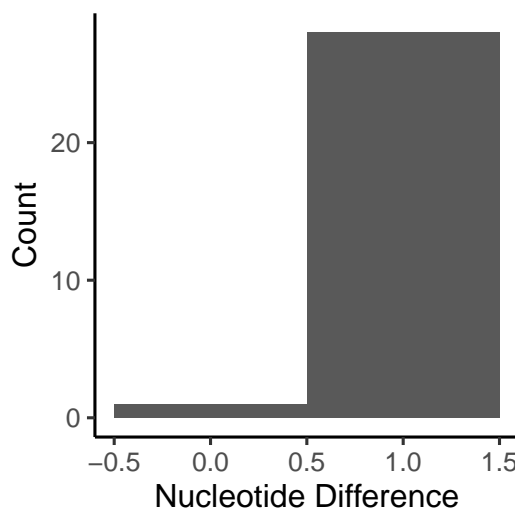
TRBV7-6*ap01

981 sequences assigned
968 (98.7%) exact matches, in which:
943 unique CDR3
13 unique J



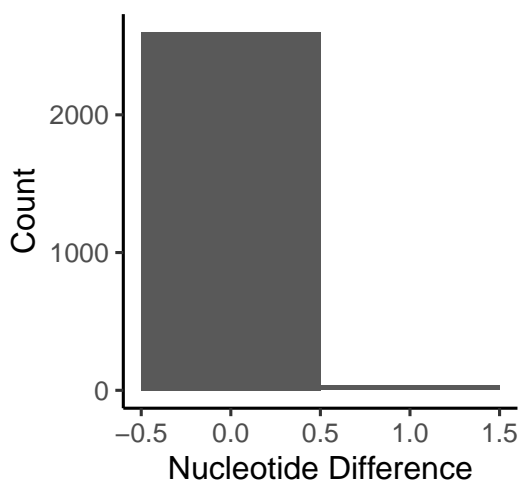
TRBV7-1*ap01_T296C

29 sequences assigned
1 (3.4%) exact matches, in which:
1 unique CDR3
1 unique J



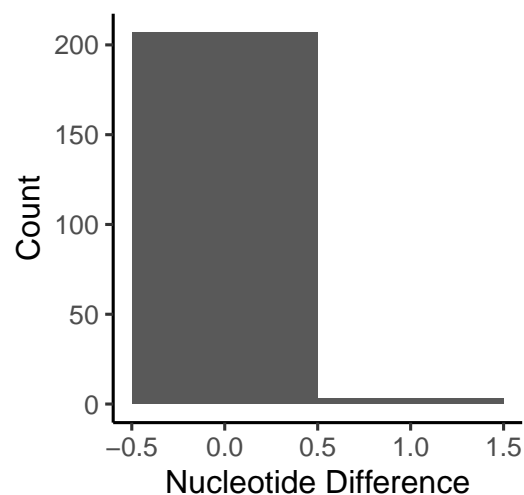
TRBV7-3*ap01

2635 sequences assigned
2601 (98.7%) exact matches, in which:
2545 unique CDR3
13 unique J



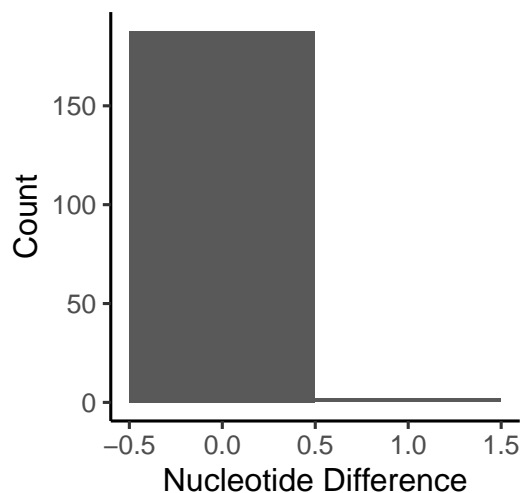
TRBV7-7*ap01

210 sequences assigned
207 (98.6%) exact matches, in which:
202 unique CDR3
13 unique J



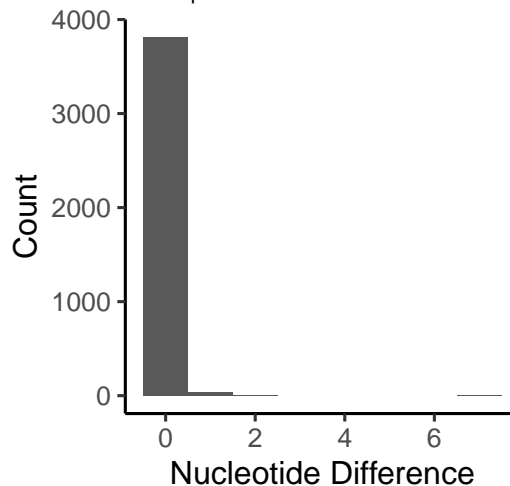
TRBV7-7*ap01_C315T

190 sequences assigned
188 (98.9%) exact matches, in which:
184 unique CDR3
13 unique J



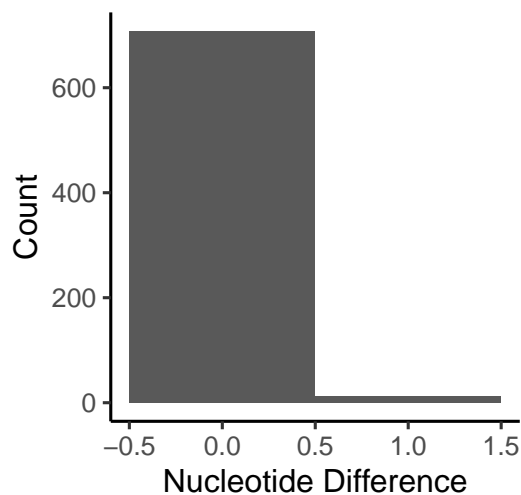
TRBV7-9*ap01

3851 sequences assigned
3810 (98.9%) exact matches, in which:
3739 unique CDR3
13 unique J



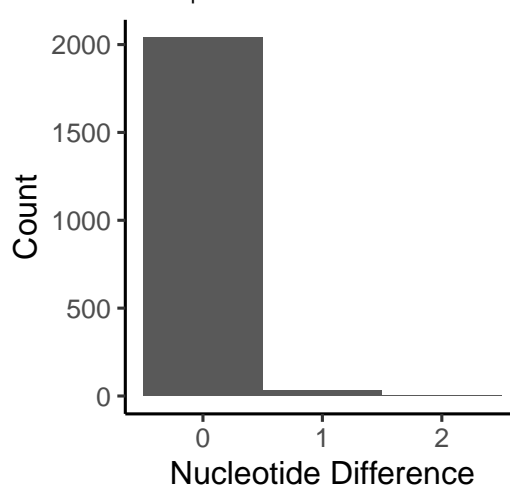
TRBV7-8*ap01

720 sequences assigned
708 (98.3%) exact matches, in which:
696 unique CDR3
13 unique J



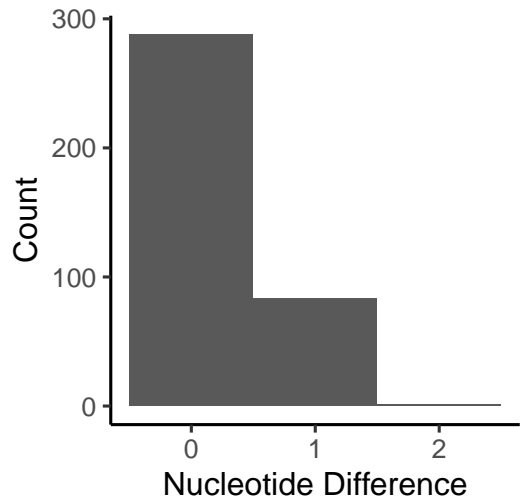
TRBV29-1*ap01

2073 sequences assigned
2039 (98.4%) exact matches, in which:
2016 unique CDR3
13 unique J



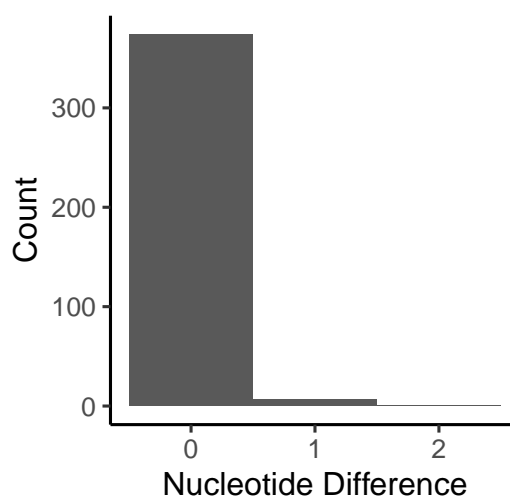
TRBV7-8*ap03

372 sequences assigned
288 (77.4%) exact matches, in which:
284 unique CDR3
13 unique J

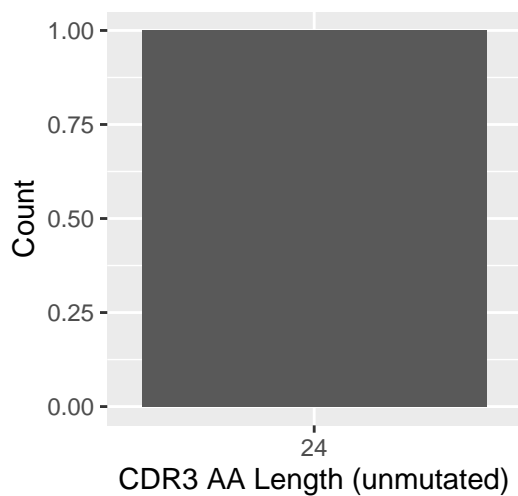


TRBV29-1*ap02

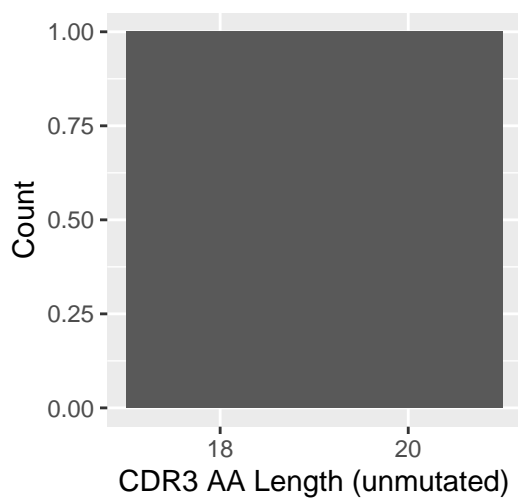
382 sequences assigned
374 (97.9%) exact matches, in which:
368 unique CDR3
13 unique J



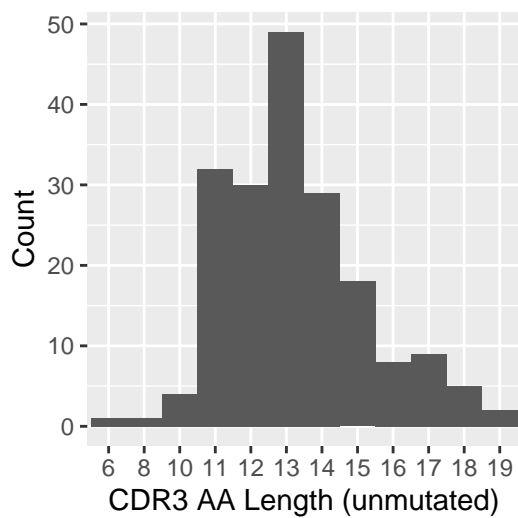
TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]