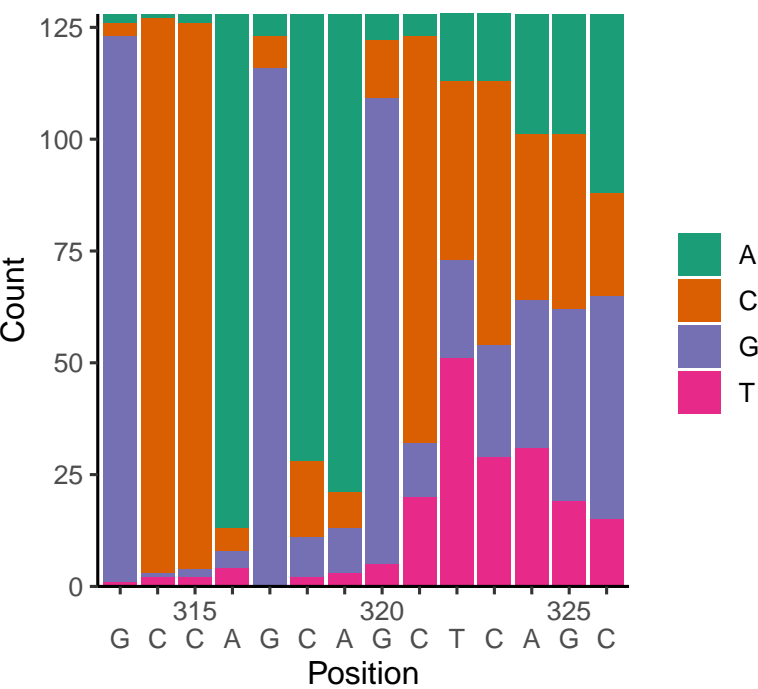
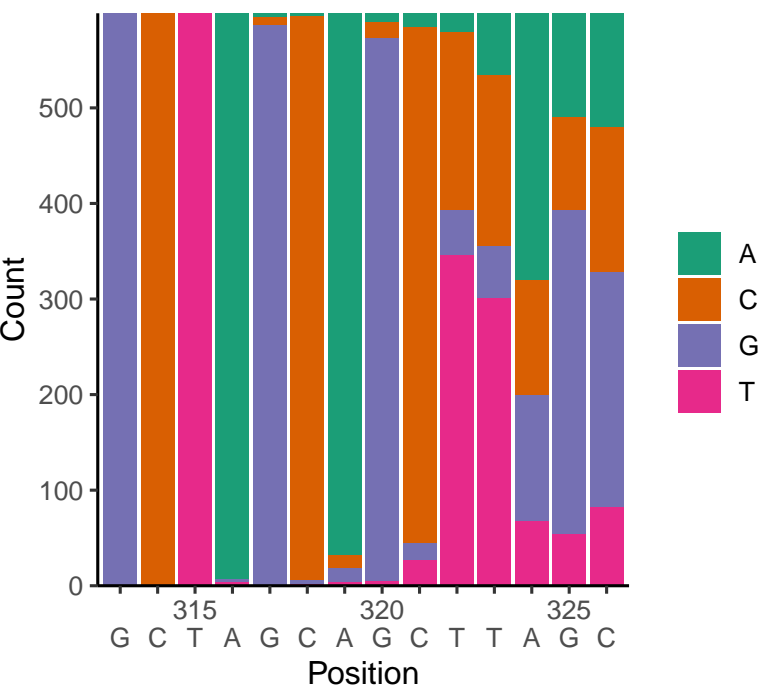


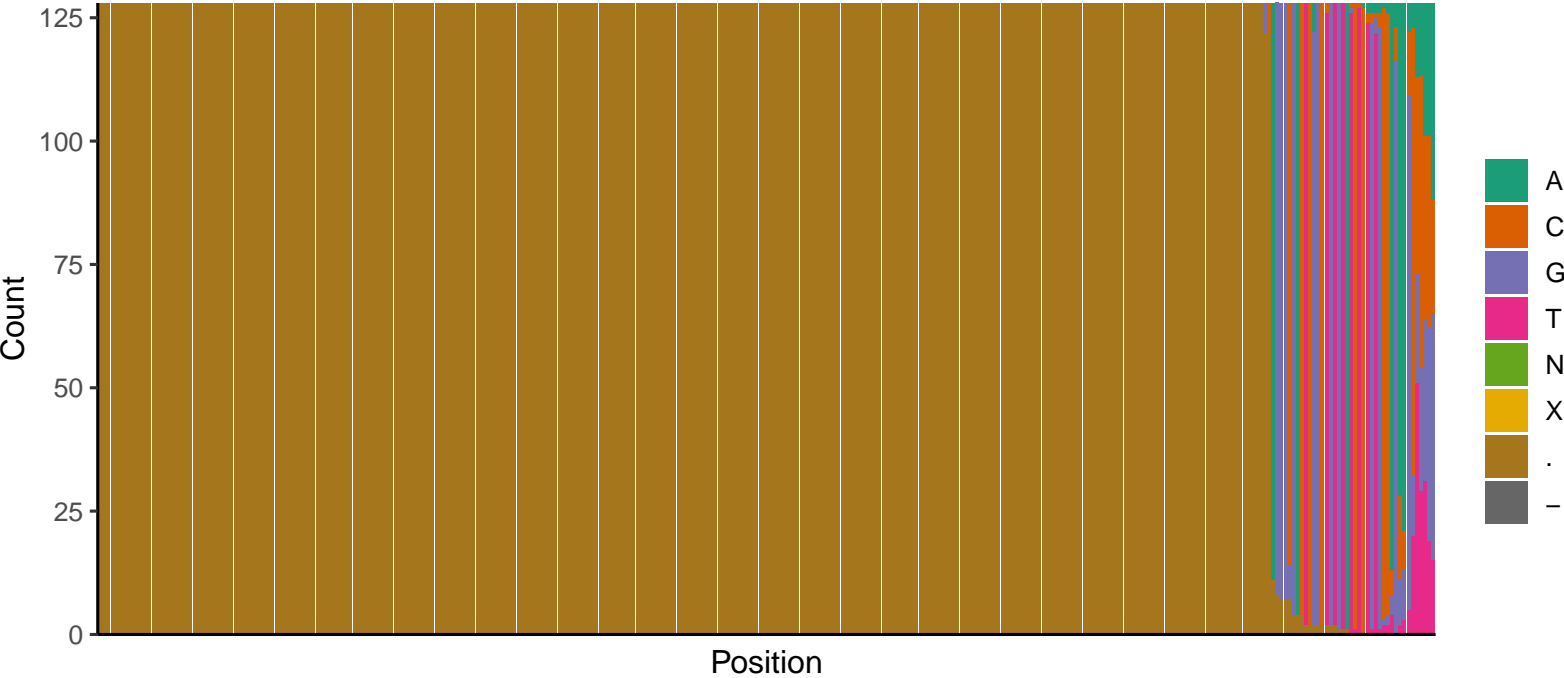
Gene TRBV7-1*ap01_T296C



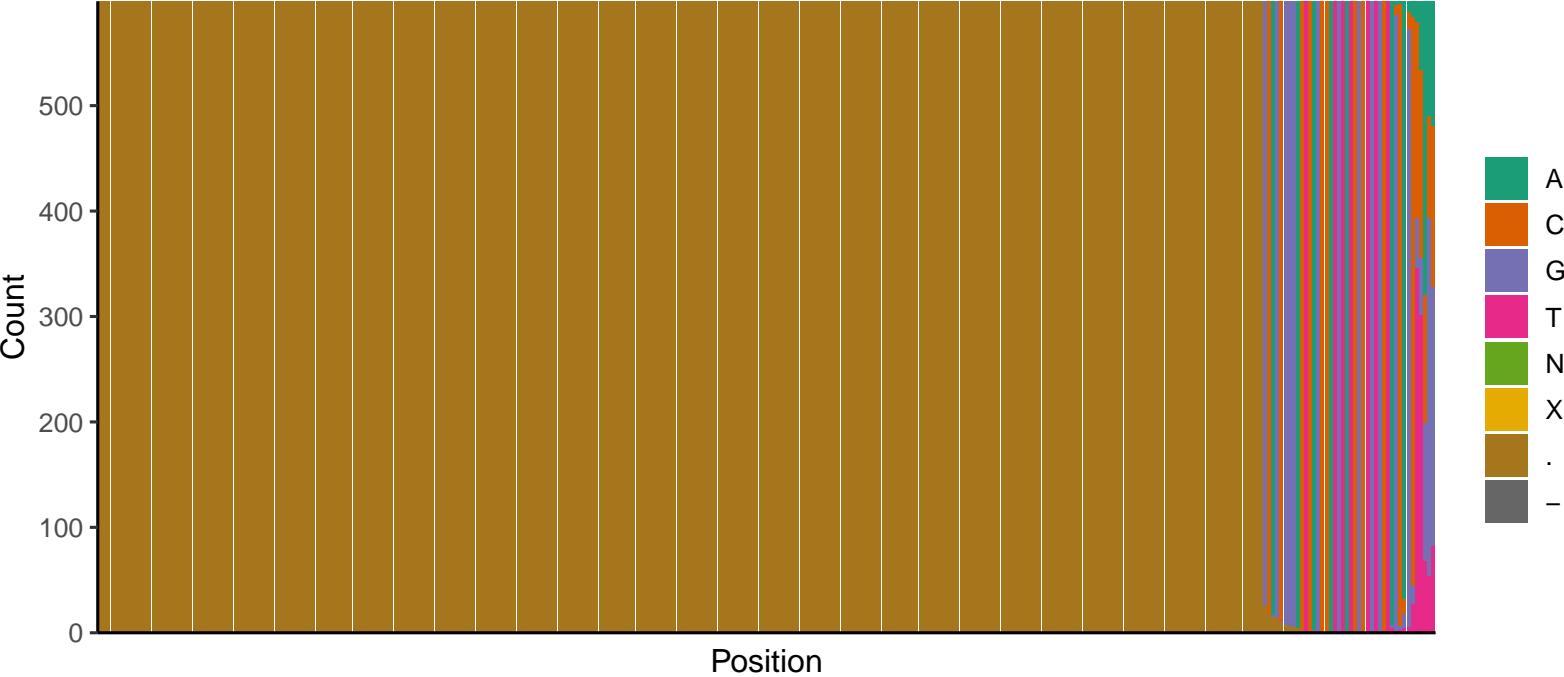
Gene TRBV7-7*ap01_C315T



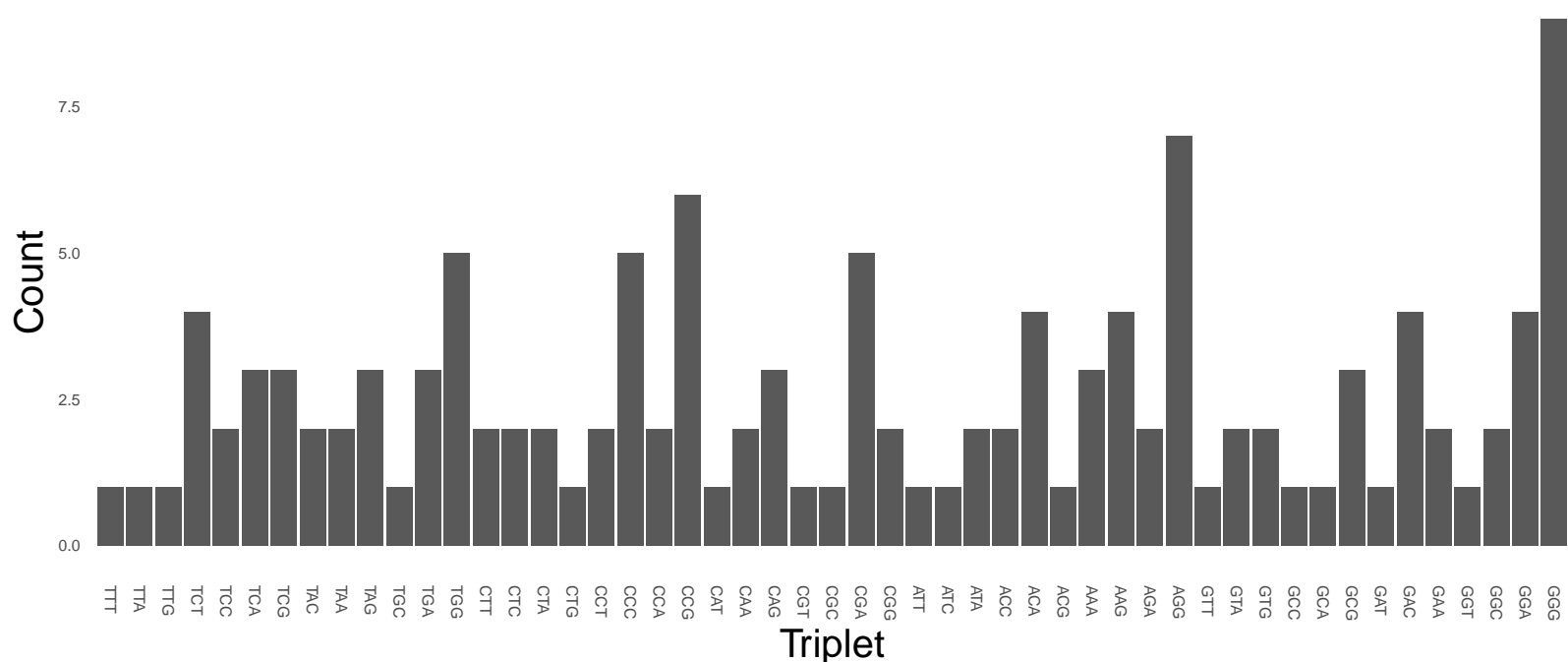
Gene TRBV7-1*ap01_T296C



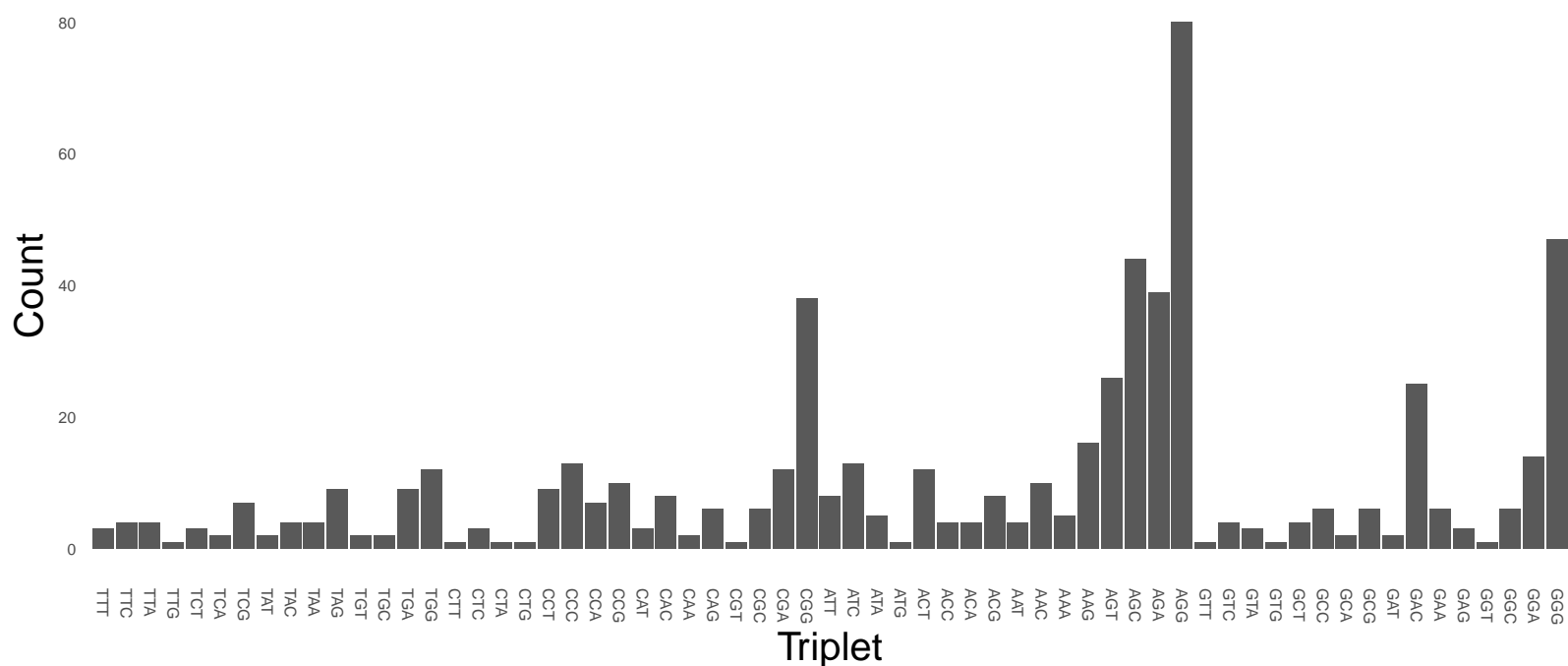
Gene TRBV7-7*ap01_C315T



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

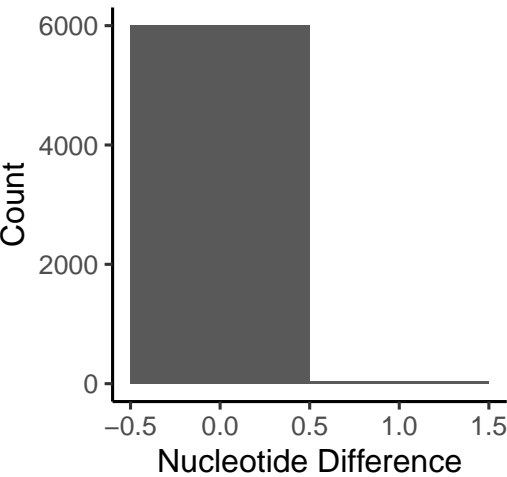


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



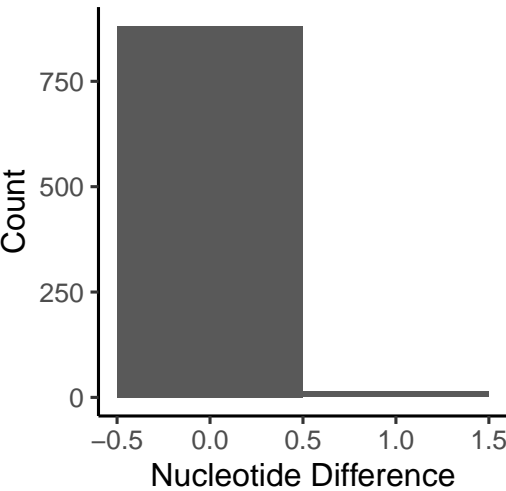
TRBV20-1*ap01

6053 sequences assigned
6004 (99.2%) exact matches, in which:
5953 unique CDR3
13 unique J



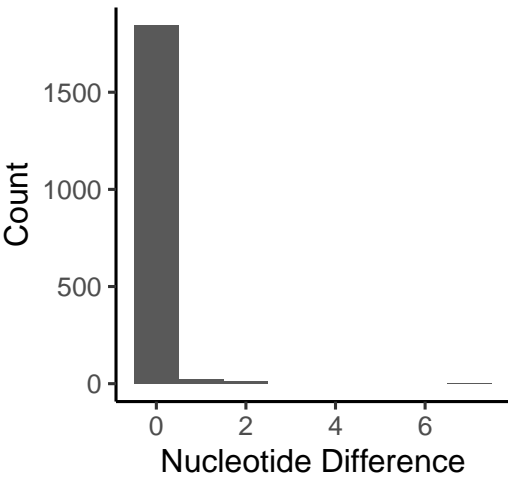
TRBV10-2*ap01

896 sequences assigned
882 (98.4%) exact matches, in which:
871 unique CDR3
13 unique J



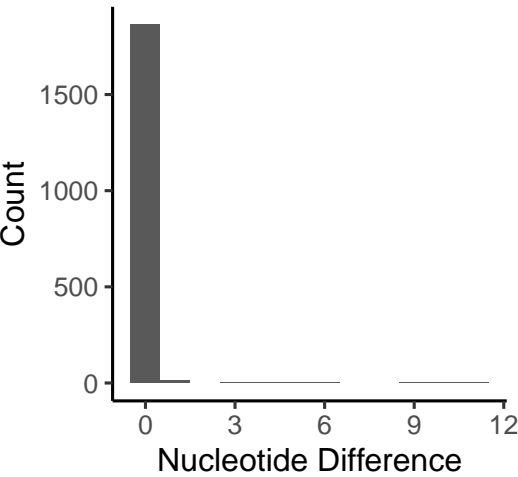
TRBV13*ap01

1880 sequences assigned
1844 (98.1%) exact matches, in which:
1812 unique CDR3
13 unique J



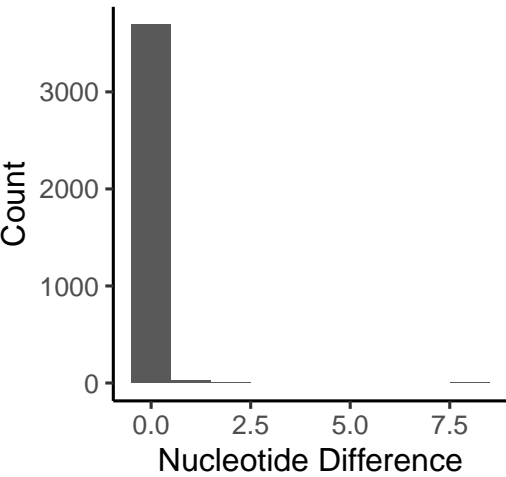
TRBV10-1*ap01

1887 sequences assigned
1863 (98.7%) exact matches, in which:
1841 unique CDR3
13 unique J



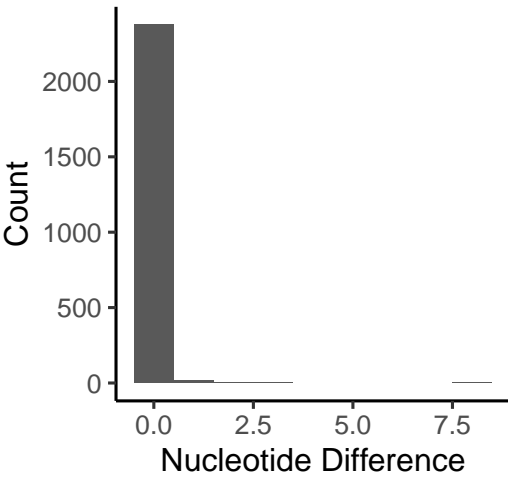
TRBV10-3*ap01

3723 sequences assigned
3692 (99.2%) exact matches, in which:
3642 unique CDR3
13 unique J



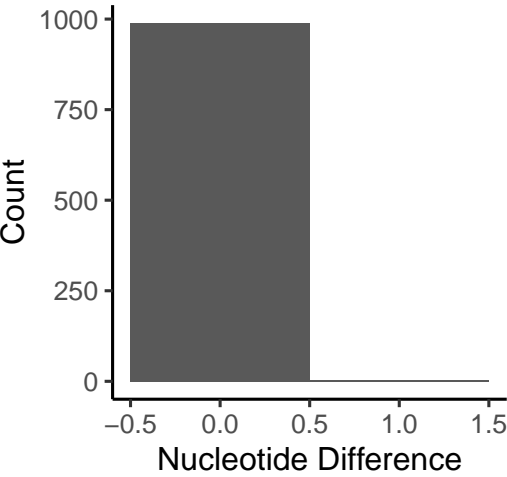
TRBV14*ap01

2397 sequences assigned
2376 (99.1%) exact matches, in which:
2352 unique CDR3
13 unique J



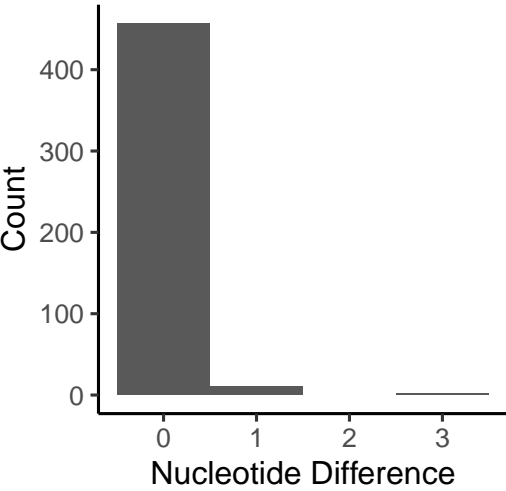
TRBV20-1*ap02

993 sequences assigned
989 (99.6%) exact matches, in which:
976 unique CDR3
13 unique J



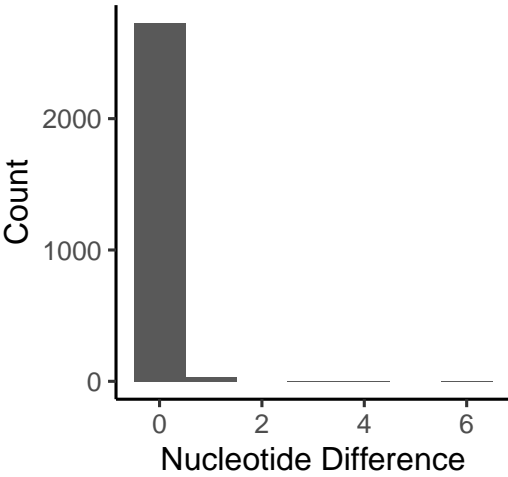
TRBV1*ap01

470 sequences assigned
457 (97.2%) exact matches, in which:
450 unique CDR3
13 unique J



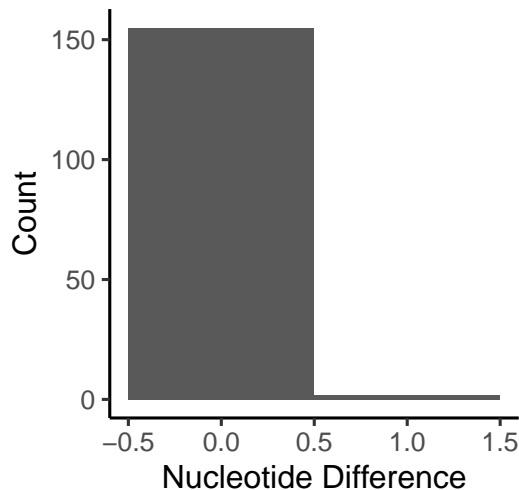
TRBV15*ap02

2764 sequences assigned
2728 (98.7%) exact matches, in which:
2700 unique CDR3
13 unique J



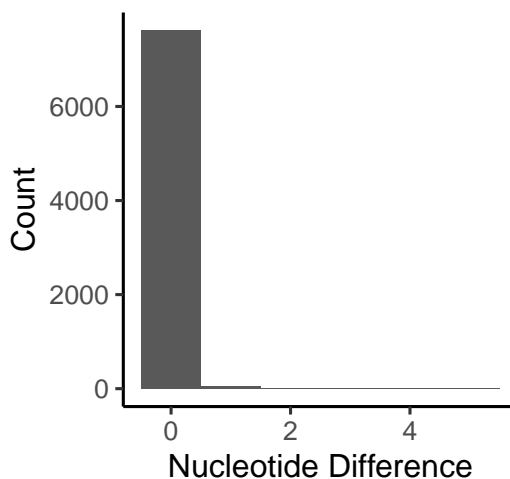
TRBV16*ap01

157 sequences assigned
155 (98.7%) exact matches, in which:
154 unique CDR3
13 unique J



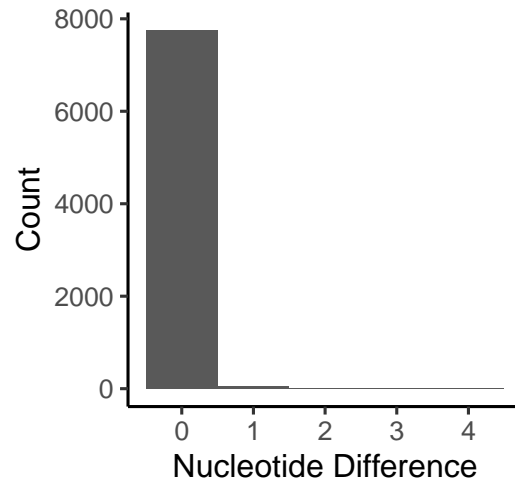
TRBV2*ap01

7676 sequences assigned
7617 (99.2%) exact matches, in which:
7536 unique CDR3
13 unique J



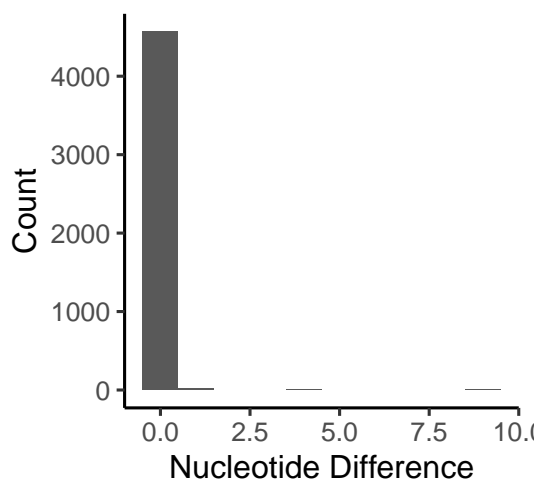
TRBV28*ap01

7809 sequences assigned
7749 (99.2%) exact matches, in which:
7689 unique CDR3
13 unique J



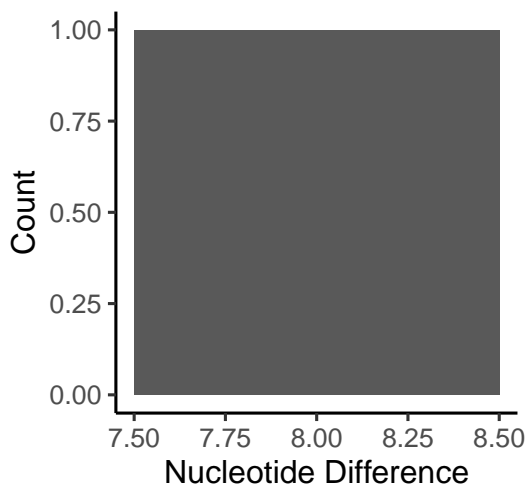
TRBV18*ap01

4588 sequences assigned
4567 (99.5%) exact matches, in which:
4557 unique CDR3
13 unique J



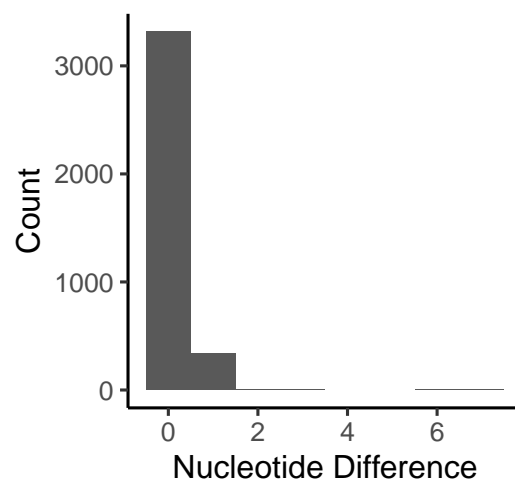
TRBV26*ap01

1 sequences assigned
No exact matches.



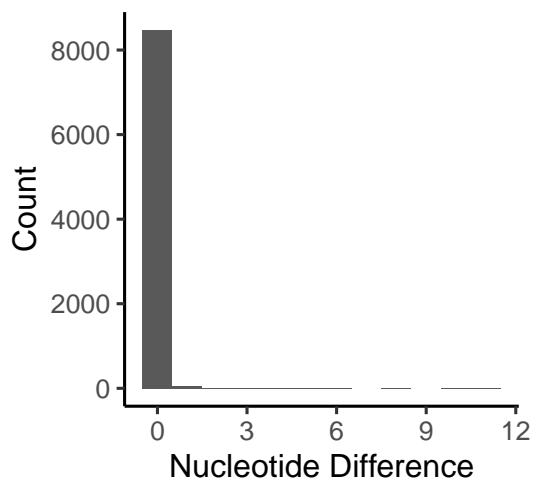
TRBV30*ap01

3659 sequences assigned
3316 (90.6%) exact matches, in which:
3232 unique CDR3
13 unique J



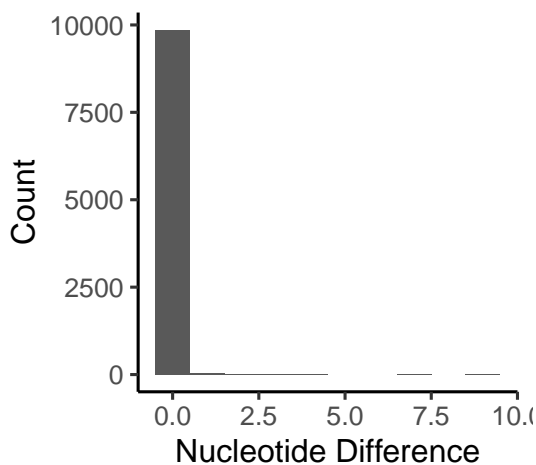
TRBV19*ap01

8548 sequences assigned
8472 (99.1%) exact matches, in which:
8428 unique CDR3
13 unique J



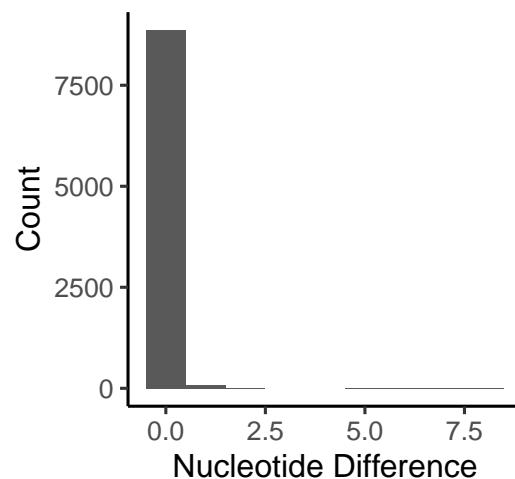
TRBV27*ap01

9925 sequences assigned
9861 (99.4%) exact matches, in which:
9755 unique CDR3
13 unique J



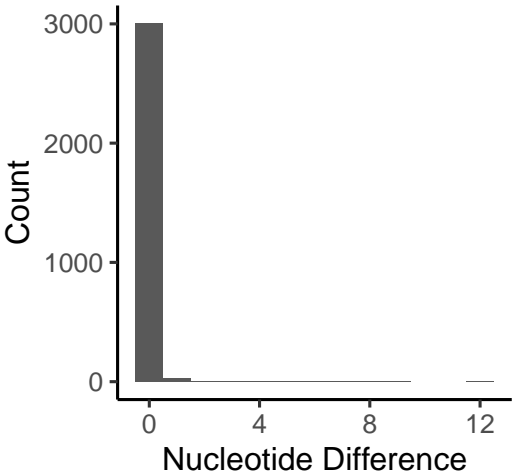
TRBV9*ap01

8962 sequences assigned
8866 (98.9%) exact matches, in which:
8803 unique CDR3
13 unique J



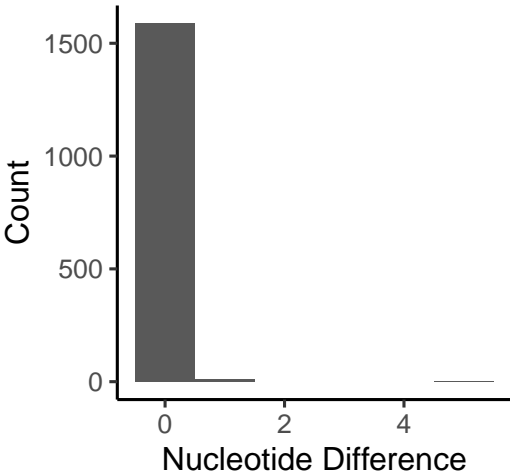
TRBV21-1*ap01

3058 sequences assigned
3004 (98.2%) exact matches, in which:
2998 unique CDR3
13 unique J



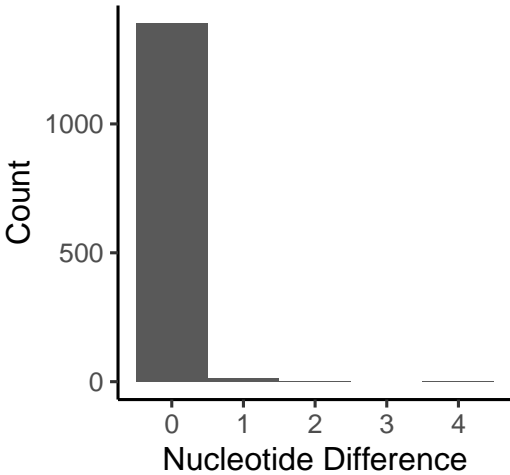
TRBV11-3*ap01

1601 sequences assigned
1588 (99.2%) exact matches, in which:
1581 unique CDR3
13 unique J



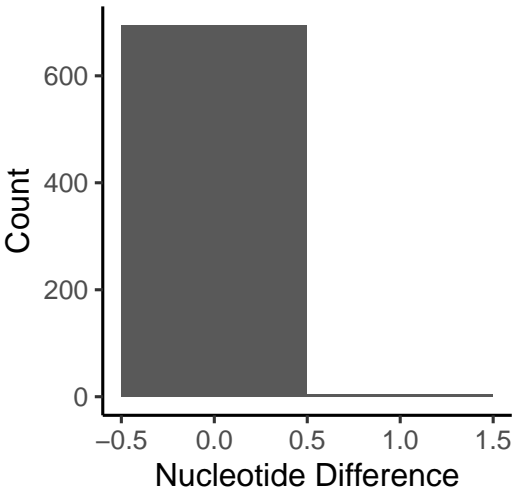
TRBV12-5*ap01

1405 sequences assigned
1390 (98.9%) exact matches, in which:
1381 unique CDR3
13 unique J



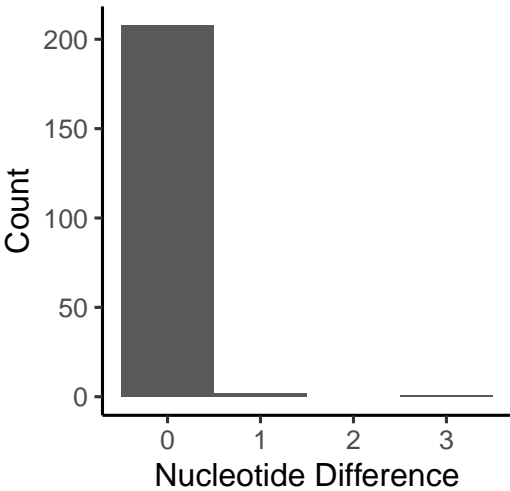
TRBV11-1*ap01

699 sequences assigned
695 (99.4%) exact matches, in which:
693 unique CDR3
13 unique J



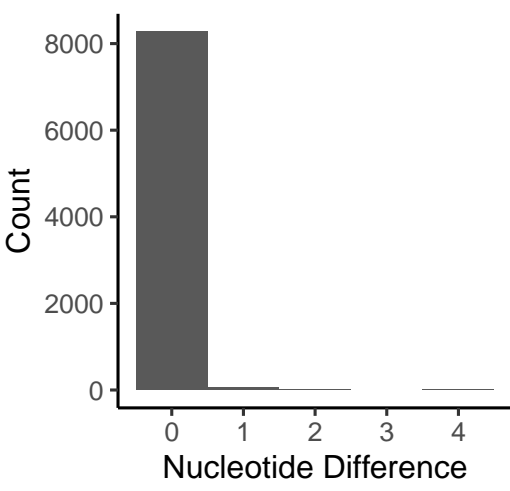
TRBV12-1*ap01

211 sequences assigned
208 (98.6%) exact matches, in which:
207 unique CDR3
13 unique J



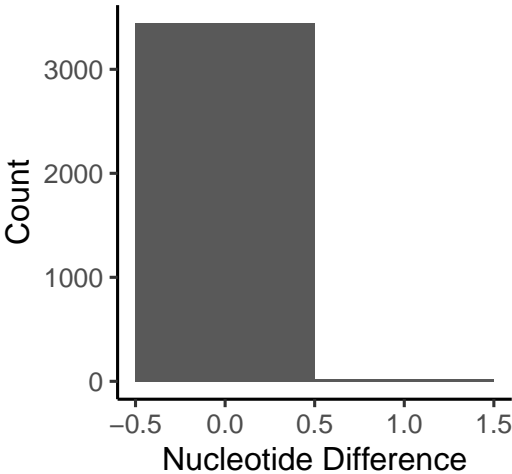
TRBV12-34*ap01

8344 sequences assigned
8274 (99.2%) exact matches, in which:
8191 unique CDR3
13 unique J



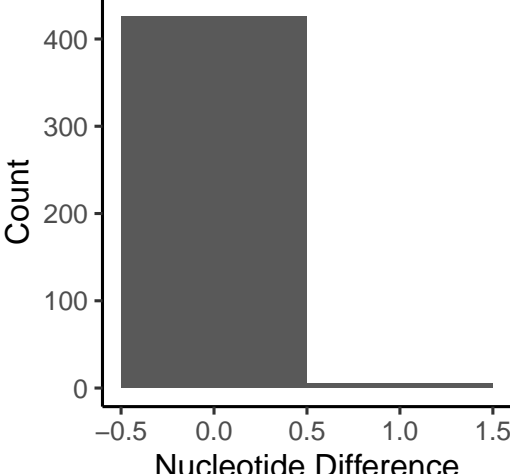
TRBV11-2*ap01

3468 sequences assigned
3445 (99.3%) exact matches, in which:
3425 unique CDR3
13 unique J



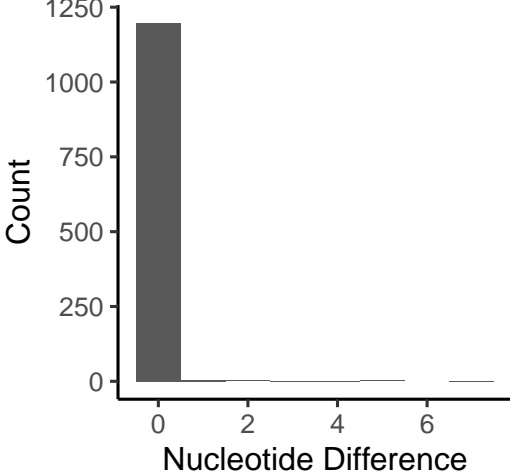
TRBV12-2*ap01

431 sequences assigned
426 (98.8%) exact matches, in which:
423 unique CDR3
13 unique J



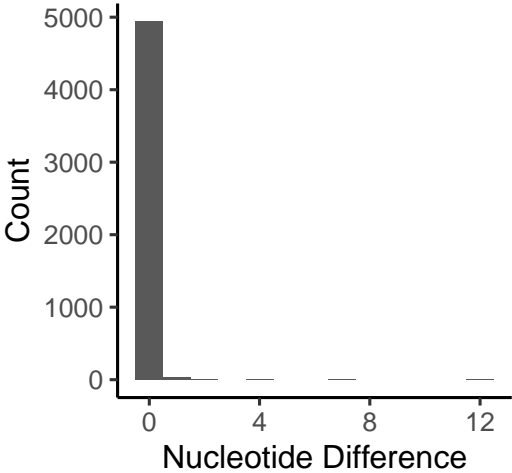
TRBV23-1*ap01

1210 sequences assigned
1197 (98.9%) exact matches, in which:
1190 unique CDR3
13 unique J



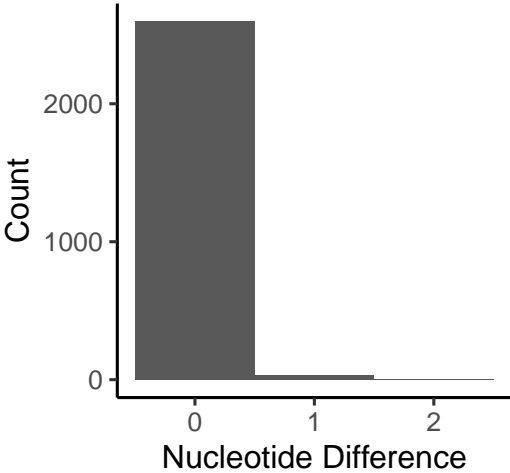
TRBV3-12*ap01

4979 sequences assigned
4942 (99.3%) exact matches, in which:
4917 unique CDR3
13 unique J



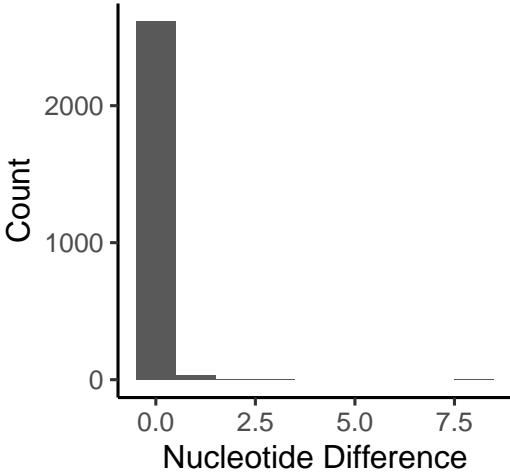
TRBV4-2*ap01

2635 sequences assigned
2597 (98.6%) exact matches, in which:
2566 unique CDR3
13 unique J



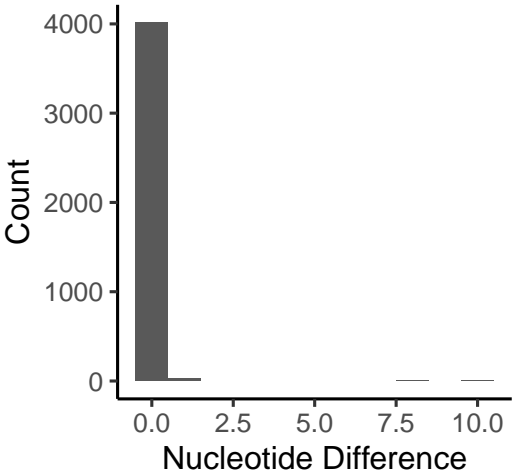
TRBV25-1*ap01

2652 sequences assigned
2615 (98.6%) exact matches, in which:
2576 unique CDR3
13 unique J



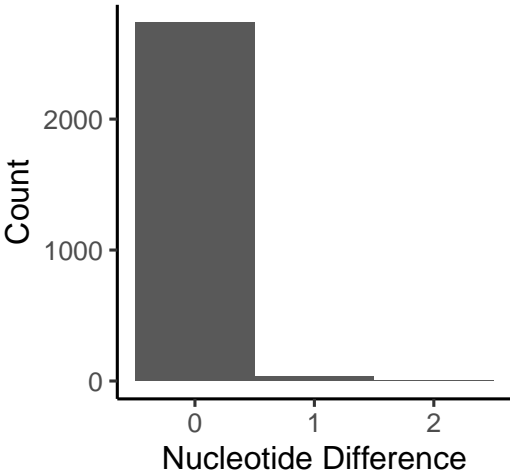
TRBV4-1*ap01

4041 sequences assigned
4013 (99.3%) exact matches, in which:
3972 unique CDR3
13 unique J



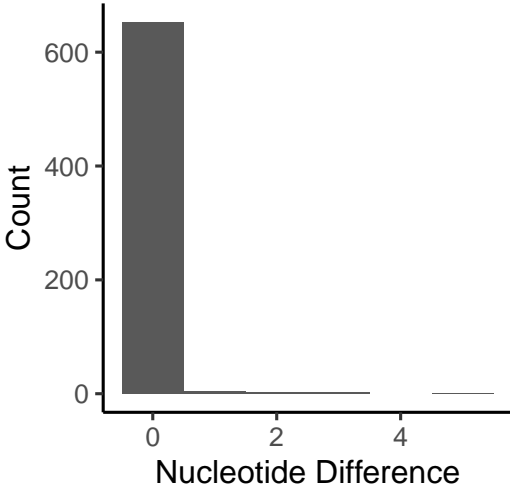
TRBV4-3*ap01

2768 sequences assigned
2736 (98.8%) exact matches, in which:
2698 unique CDR3
13 unique J



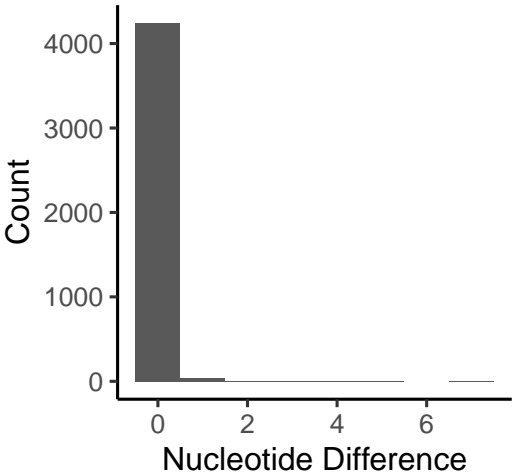
TRBV5-3*ap01

665 sequences assigned
653 (98.2%) exact matches, in which:
644 unique CDR3
13 unique J



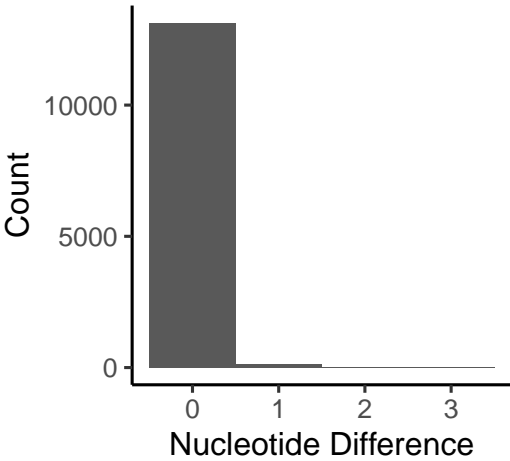
TRBV24-1*ap01

4294 sequences assigned
4243 (98.8%) exact matches, in which:
4186 unique CDR3
13 unique J



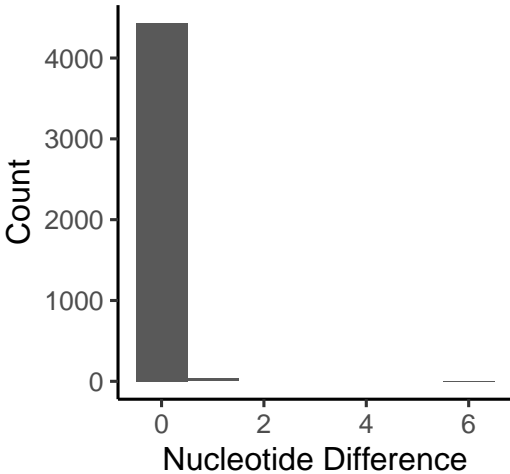
TRBV5-1*ap01

13271 sequences assigned
13135 (99%) exact matches, in which:
12977 unique CDR3
13 unique J



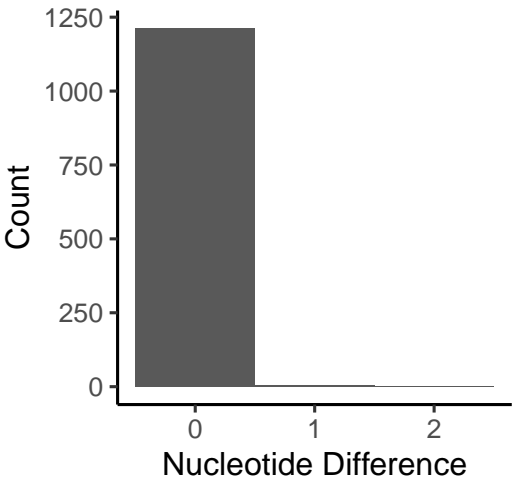
TRBV5-4*ap01

4467 sequences assigned
4433 (99.2%) exact matches, in which:
4384 unique CDR3
13 unique J



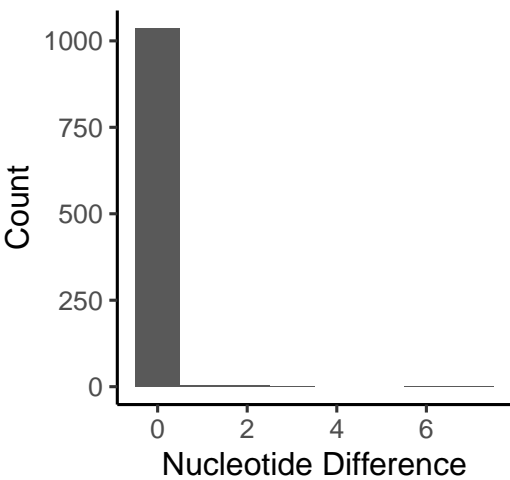
TRBV5-5*ap01

1218 sequences assigned
1212 (99.5%) exact matches, in which:
1203 unique CDR3
13 unique J



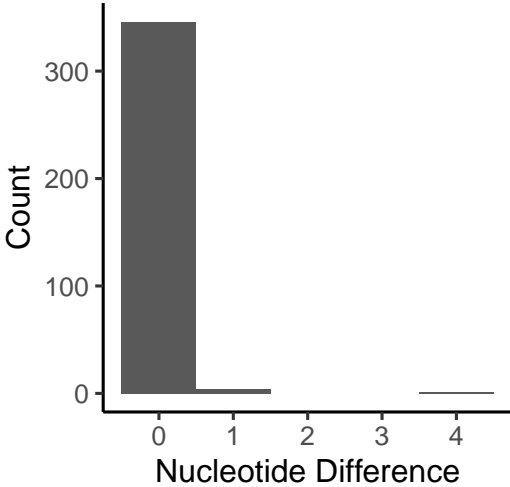
TRBV5-8*ap01

1047 sequences assigned
1036 (98.9%) exact matches, in which:
1023 unique CDR3
13 unique J



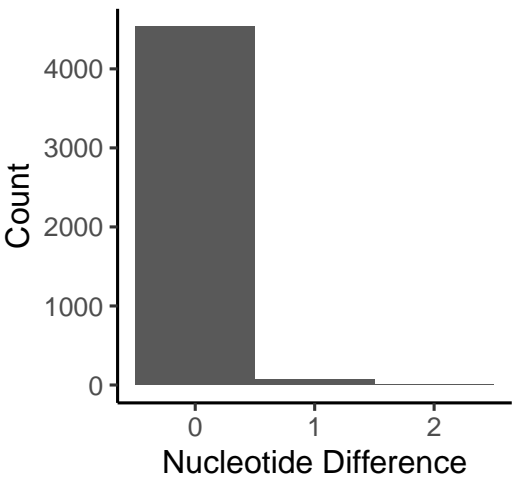
TRBV6-7*ap01

351 sequences assigned
346 (98.6%) exact matches, in which:
340 unique CDR3
13 unique J



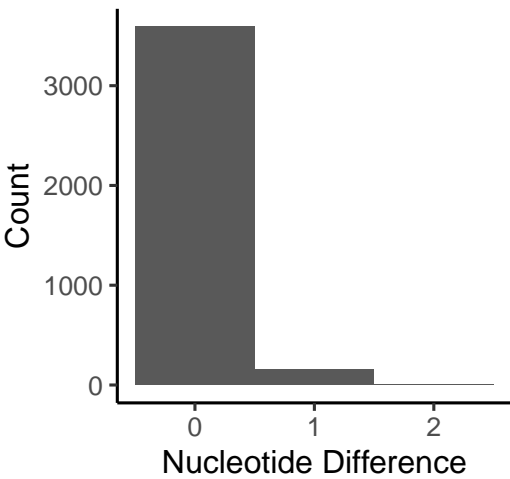
TRBV5-6*ap01

4605 sequences assigned
4533 (98.4%) exact matches, in which:
4456 unique CDR3
13 unique J



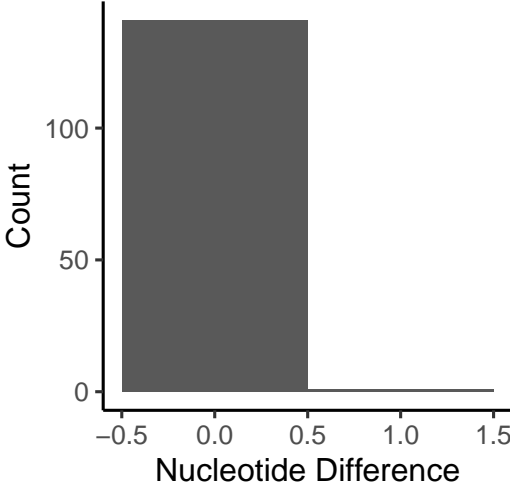
TRBV6-1*ap01

3751 sequences assigned
3591 (95.7%) exact matches, in which:
3543 unique CDR3
13 unique J



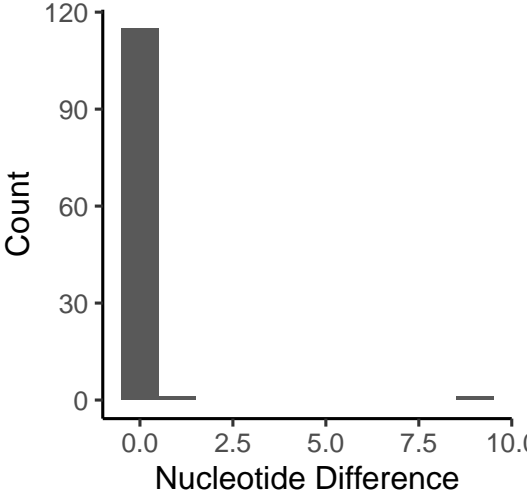
TRBV6-8*ap01

142 sequences assigned
141 (99.3%) exact matches, in which:
139 unique CDR3
13 unique J



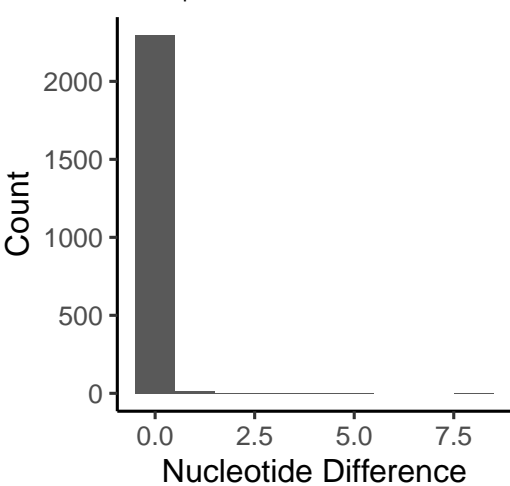
TRBV5-7*ap01

117 sequences assigned
115 (98.3%) exact matches, in which:
114 unique CDR3
13 unique J



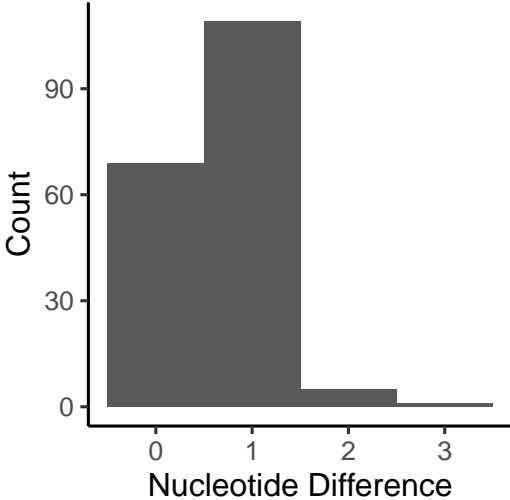
TRBV6-4*ap01

2320 sequences assigned
2297 (99%) exact matches, in which:
2277 unique CDR3
13 unique J



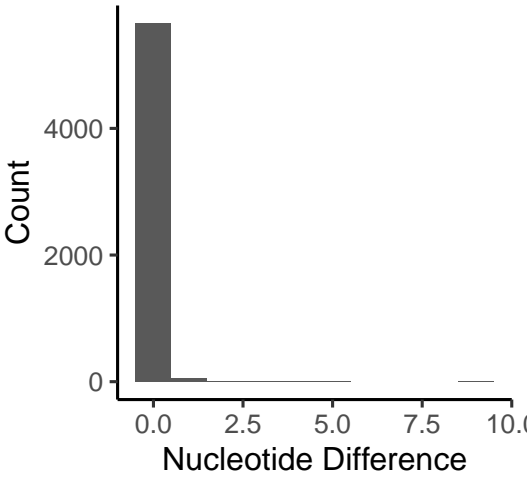
TRBV6-9*ap01

184 sequences assigned
69 (37.5%) exact matches, in which:
66 unique CDR3
12 unique J



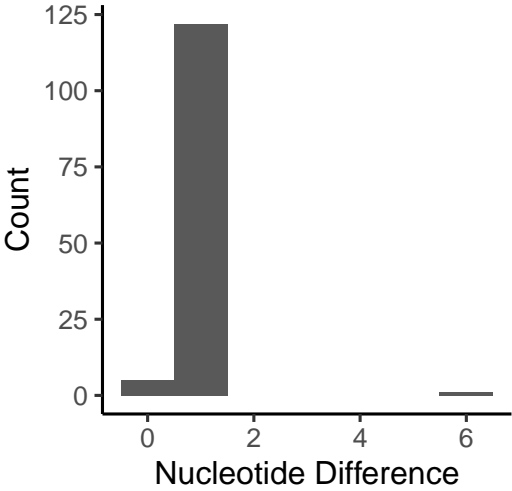
TRBV6-23*ap01

5715 sequences assigned
5658 (99%) exact matches, in which:
5558 unique CDR3
13 unique J



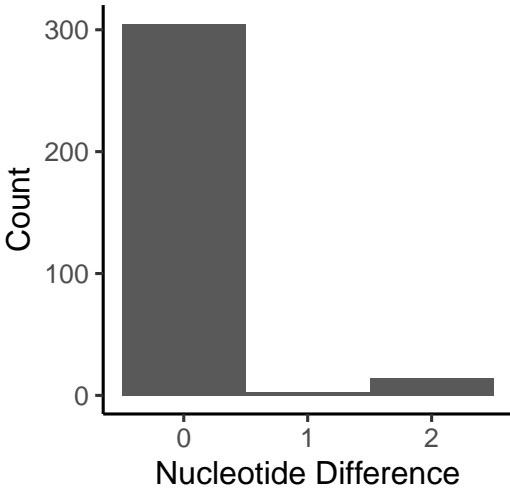
TRBV7-1*ap01_T296C

128 sequences assigned
5 (3.9%) exact matches, in which:
4 unique CDR3
3 unique J



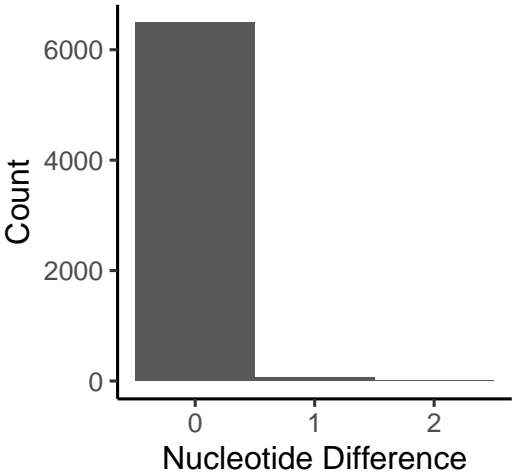
TRBV7-4*ap01

322 sequences assigned
305 (94.7%) exact matches, in which:
305 unique CDR3
13 unique J



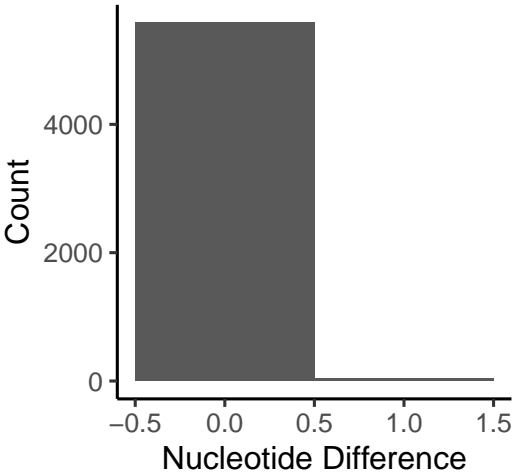
TRBV6-56*ap01

6551 sequences assigned
6489 (99.1%) exact matches, in which:
6378 unique CDR3
13 unique J



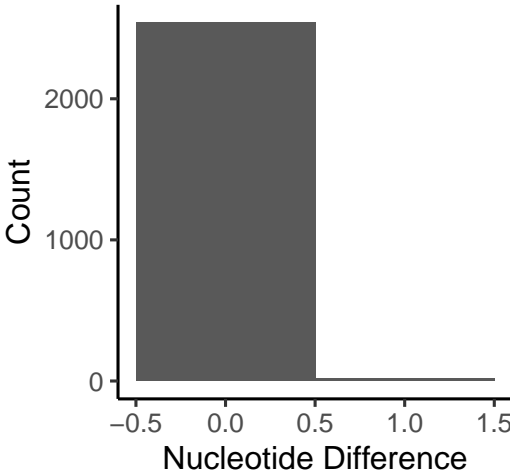
TRBV7-2*ap01

5618 sequences assigned
5584 (99.4%) exact matches, in which:
5540 unique CDR3
13 unique J



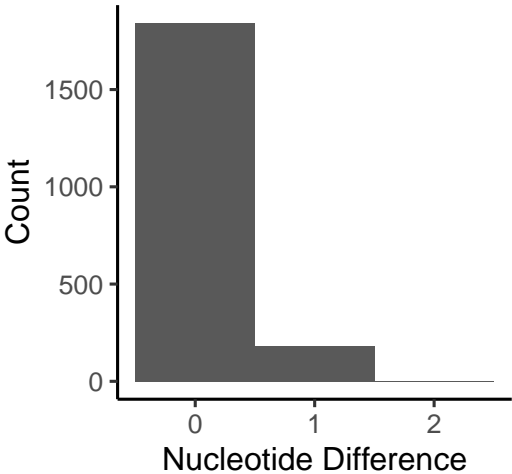
TRBV7-6*ap01

2556 sequences assigned
2539 (99.3%) exact matches, in which:
2515 unique CDR3
13 unique J



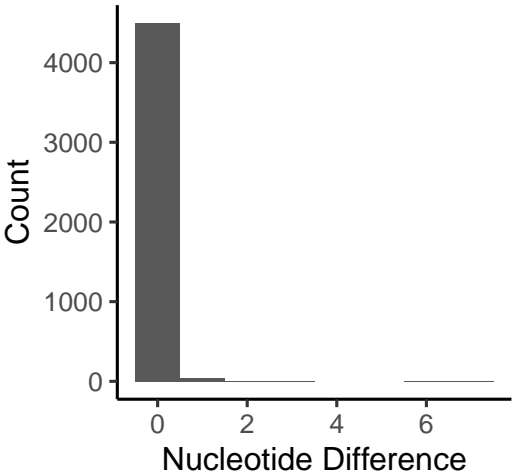
TRBV6-56*ap02

2026 sequences assigned
1842 (90.9%) exact matches, in which:
1813 unique CDR3
13 unique J



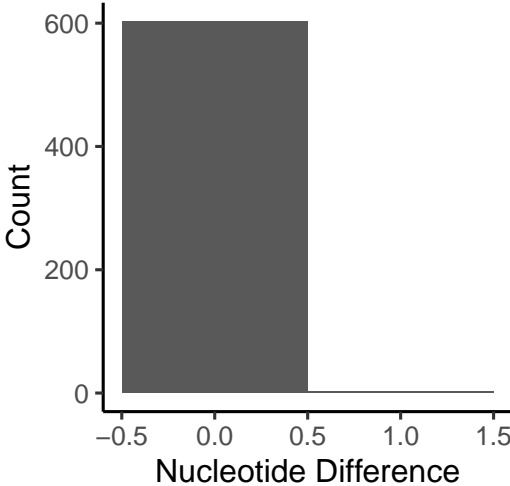
TRBV7-3*ap01

4546 sequences assigned
4497 (98.9%) exact matches, in which:
4462 unique CDR3
13 unique J



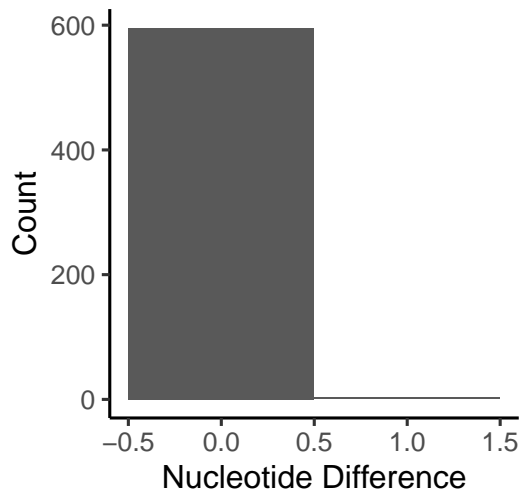
TRBV7-7*ap01

606 sequences assigned
603 (99.5%) exact matches, in which:
597 unique CDR3
13 unique J



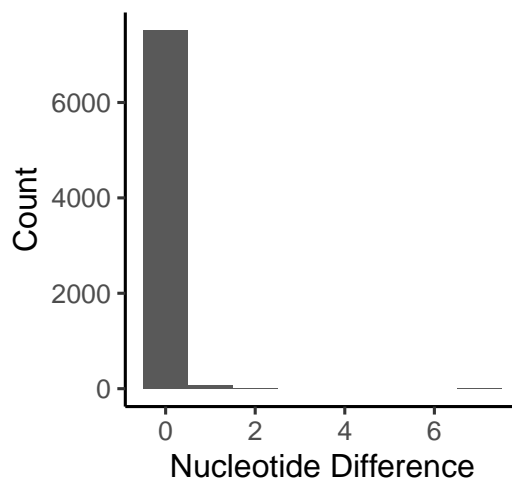
TRBV7-7*ap01_C315T

599 sequences assigned
596 (99.5%) exact matches, in which:
589 unique CDR3
13 unique J



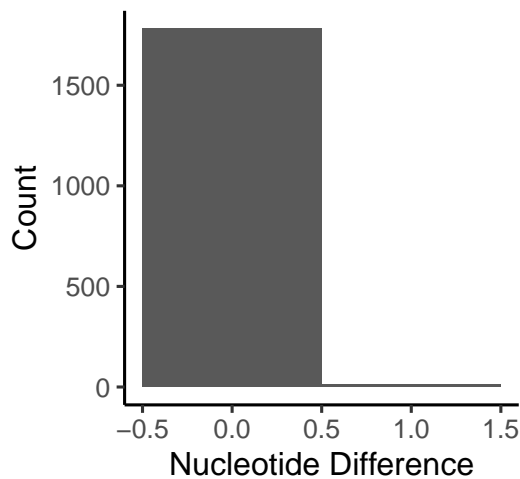
TRBV7-9*ap01

7583 sequences assigned
7511 (99.1%) exact matches, in which:
7441 unique CDR3
13 unique J



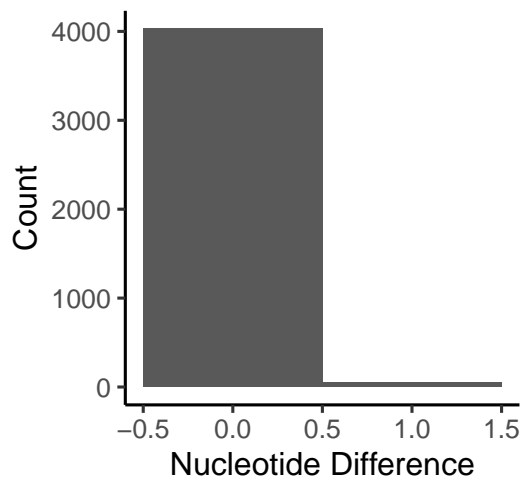
TRBV7-8*ap01

1795 sequences assigned
1781 (99.2%) exact matches, in which:
1767 unique CDR3
13 unique J



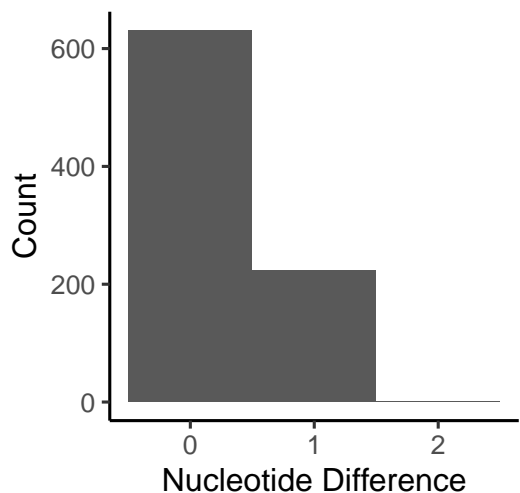
TRBV29-1*ap01

4077 sequences assigned
4030 (98.8%) exact matches, in which:
3935 unique CDR3
13 unique J



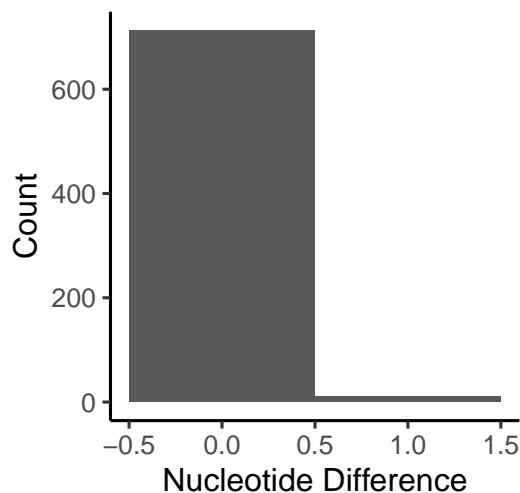
TRBV7-8*ap03

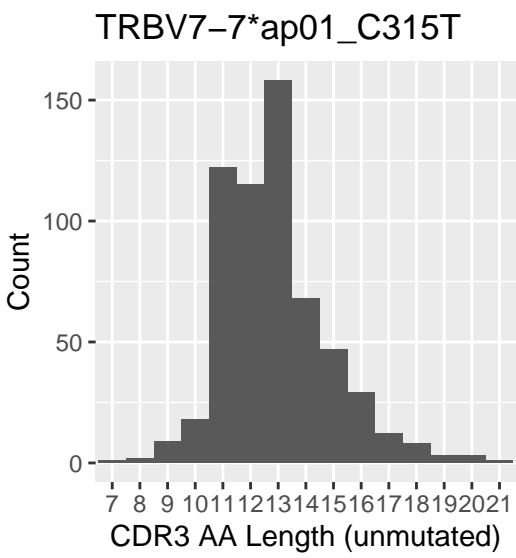
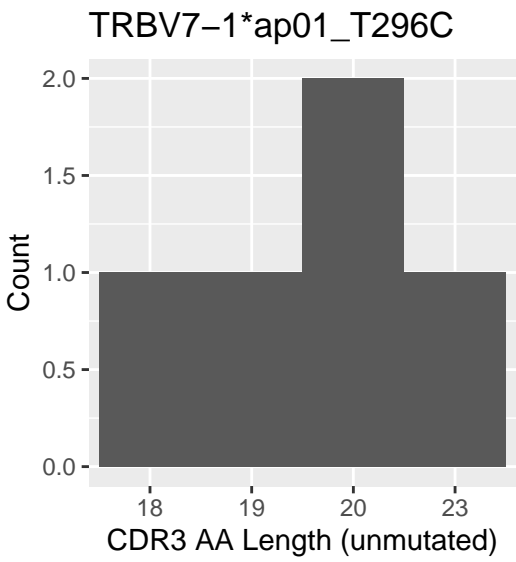
855 sequences assigned
631 (73.8%) exact matches, in which:
622 unique CDR3
13 unique J



TRBV29-1*ap02

723 sequences assigned
713 (98.6%) exact matches, in which:
696 unique CDR3
13 unique J







[illegible]