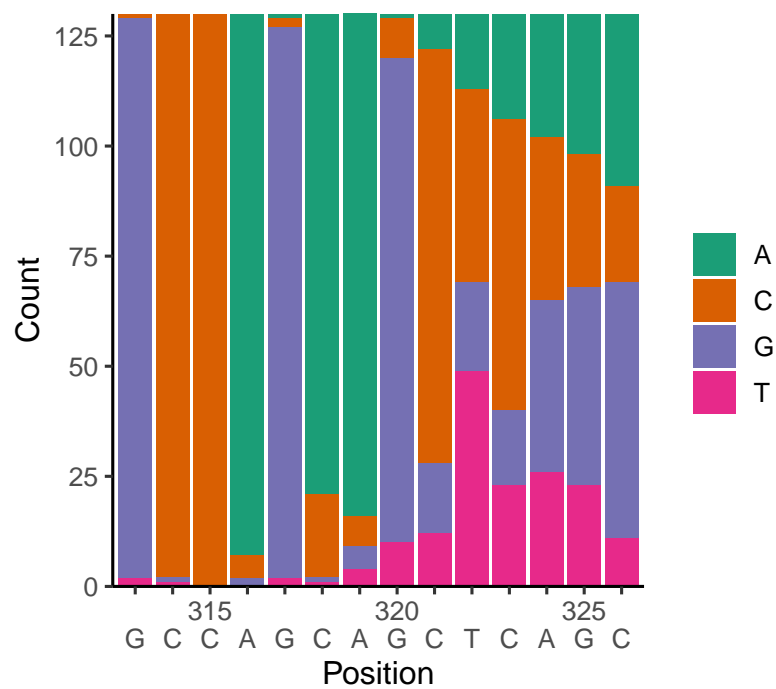
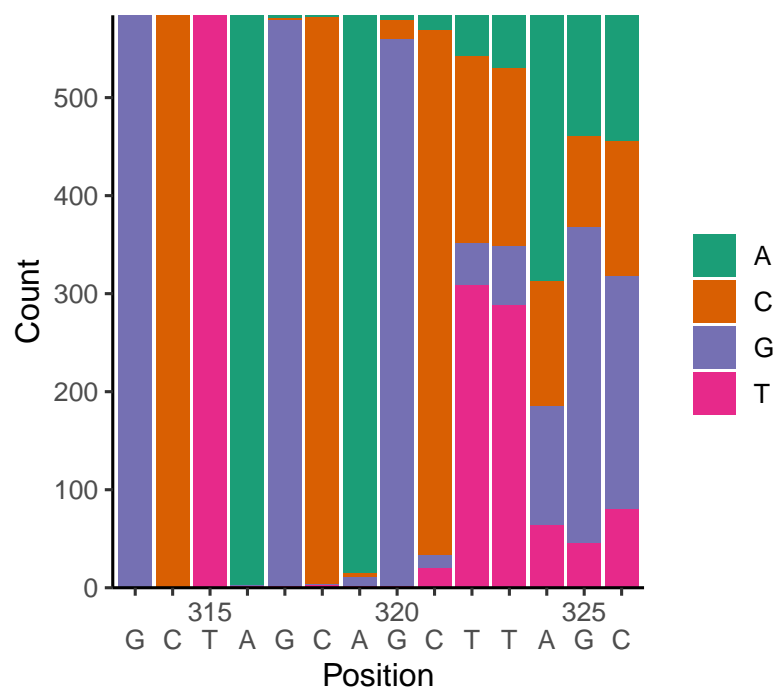


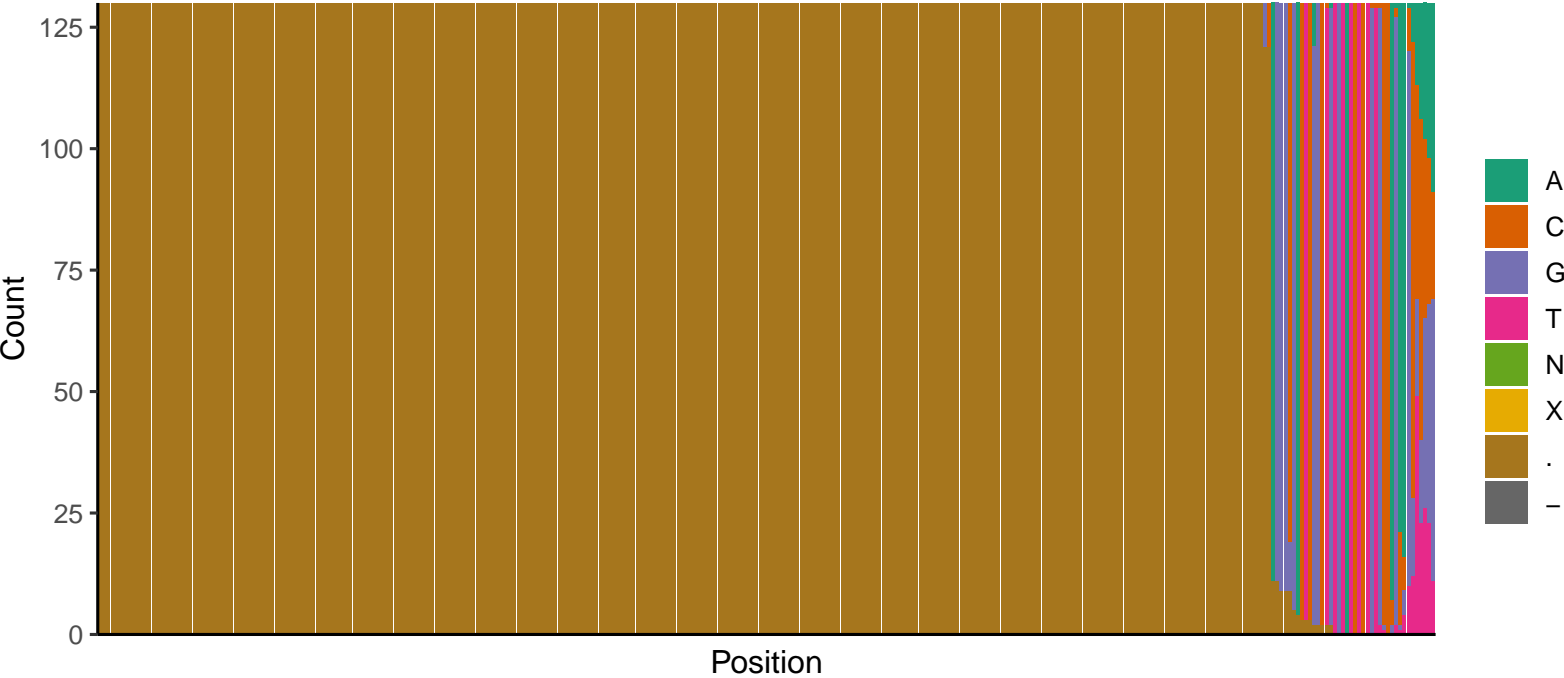
Gene TRBV7-1*ap01_T296C



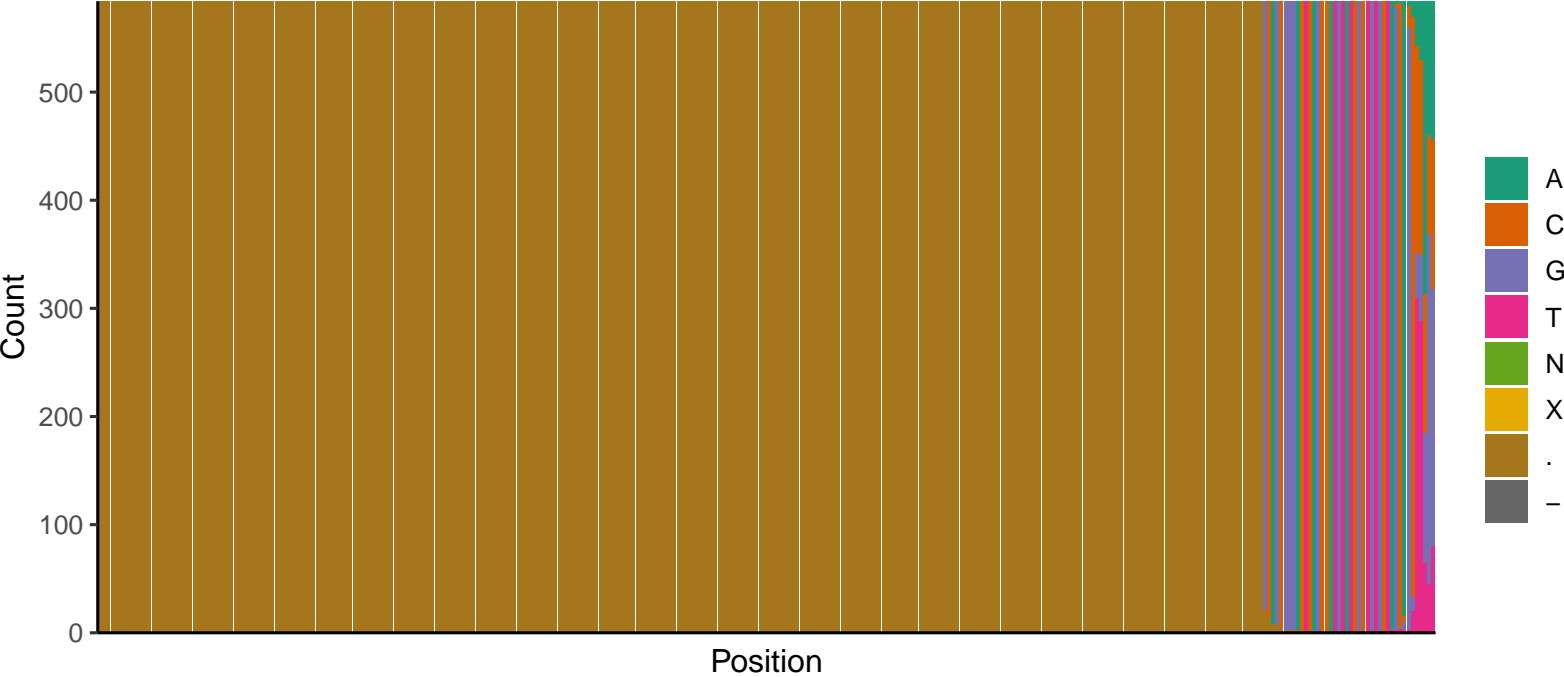
Gene TRBV7-7*ap01_C315T



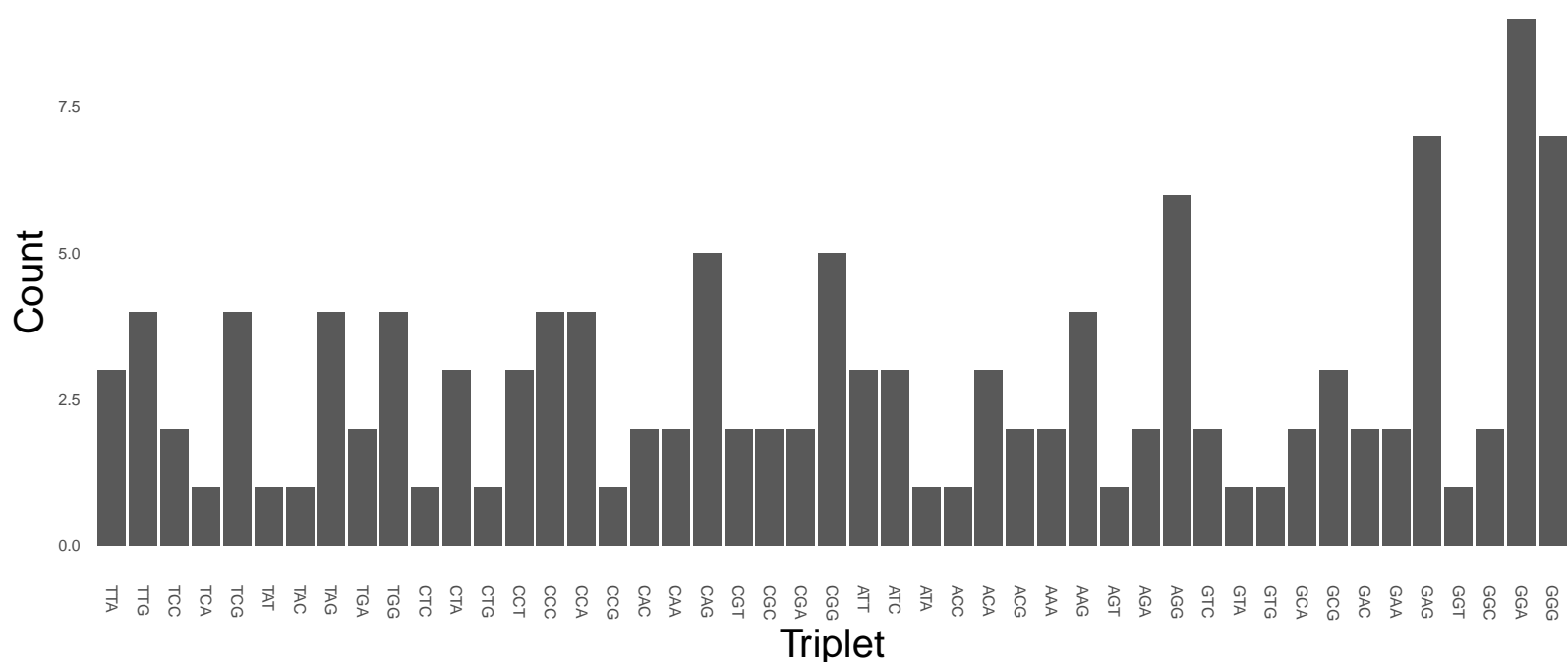
Gene TRBV7-1*ap01_T296C



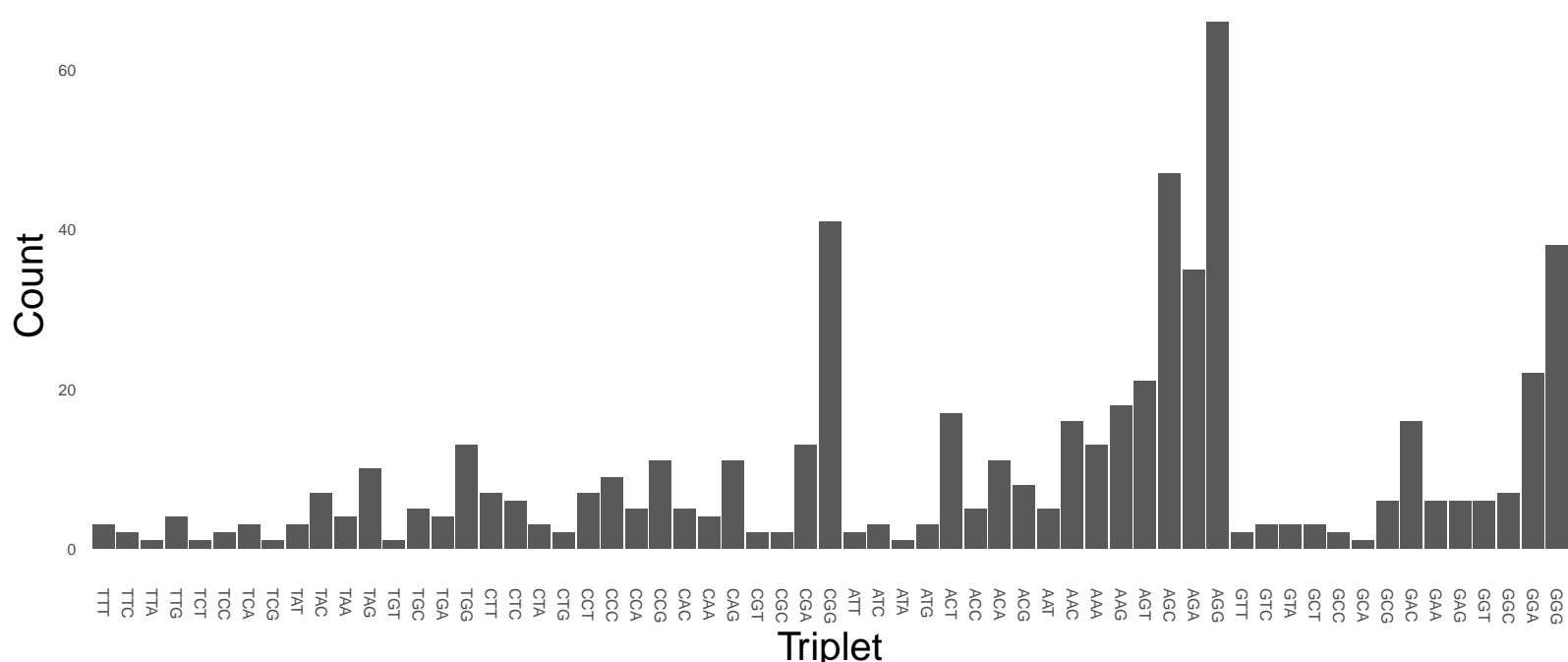
Gene TRBV7-7*ap01_C315T



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

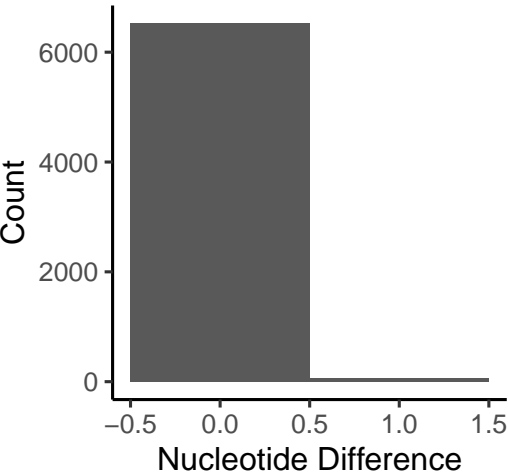


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



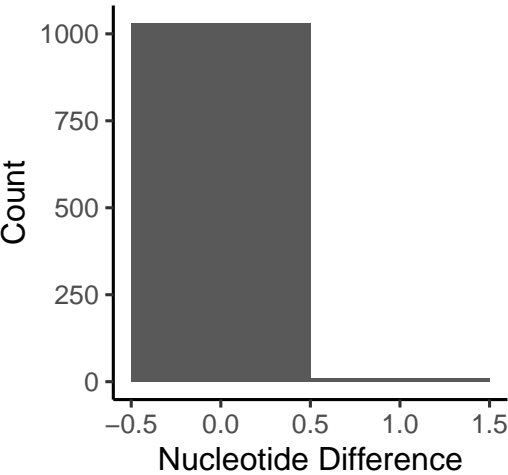
TRBV20-1*ap01

6594 sequences assigned
6524 (98.9%) exact matches, in which:
6448 unique CDR3
13 unique J



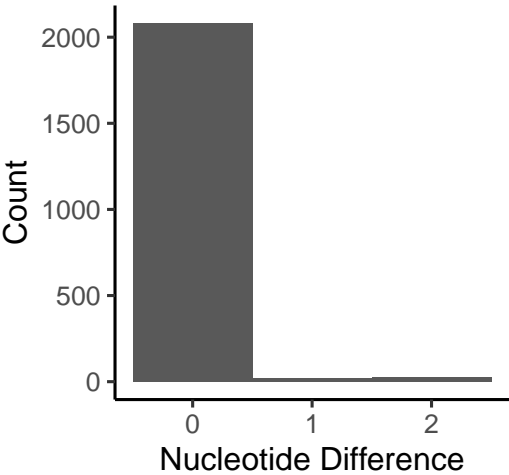
TRBV10-2*ap01

1041 sequences assigned
1030 (98.9%) exact matches, in which:
1013 unique CDR3
13 unique J



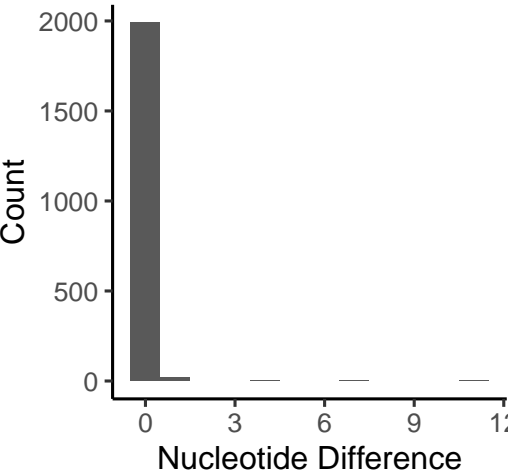
TRBV13*ap01

2126 sequences assigned
2080 (97.8%) exact matches, in which:
2030 unique CDR3
13 unique J



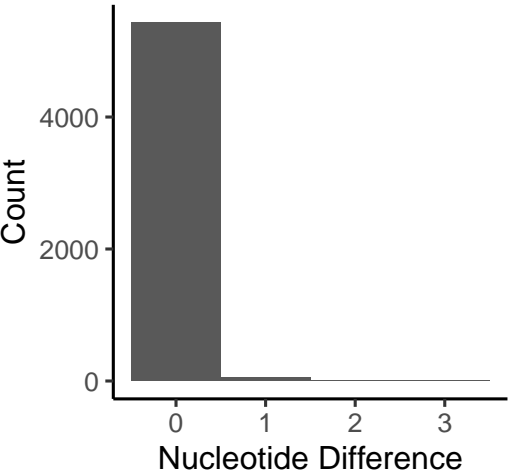
TRBV10-1*ap01

2014 sequences assigned
1990 (98.8%) exact matches, in which:
1954 unique CDR3
13 unique J



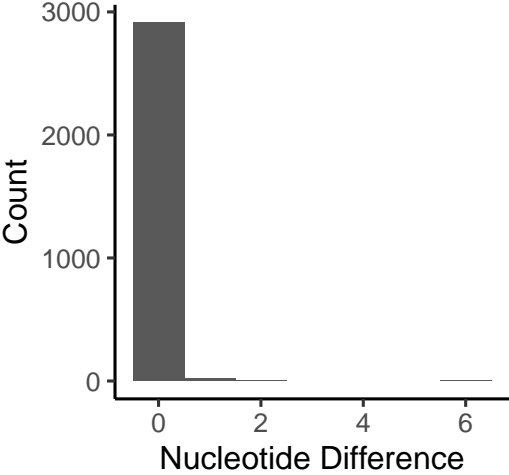
TRBV10-3*ap01

5480 sequences assigned
5429 (99.1%) exact matches, in which:
5363 unique CDR3
13 unique J



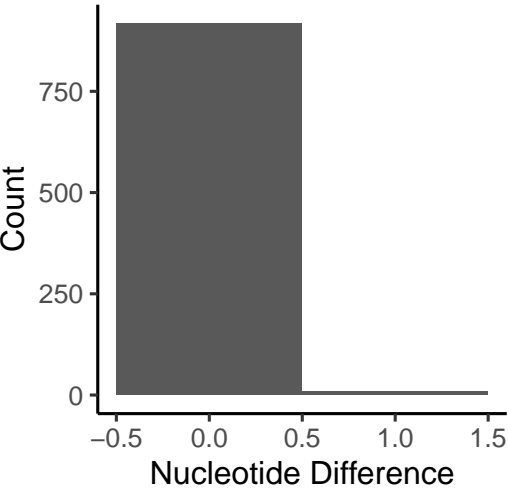
TRBV14*ap01

2933 sequences assigned
2912 (99.3%) exact matches, in which:
2876 unique CDR3
13 unique J



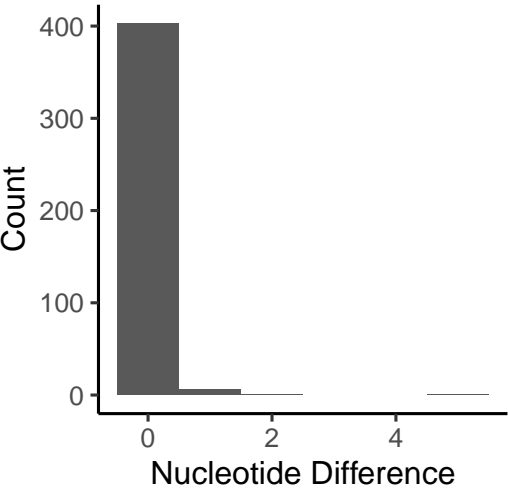
TRBV20-1*ap02

926 sequences assigned
918 (99.1%) exact matches, in which:
911 unique CDR3
13 unique J



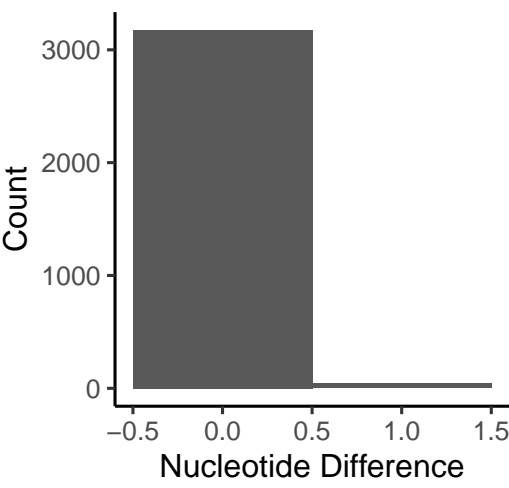
TRBV1*ap01

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



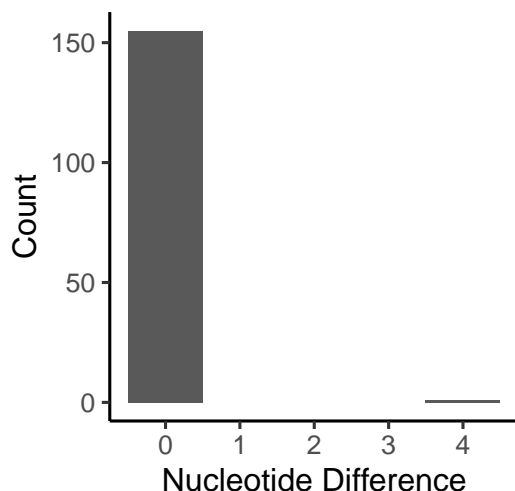
TRBV15*ap02

3219 sequences assigned
3175 (98.6%) exact matches, in which:
3116 unique CDR3
13 unique J



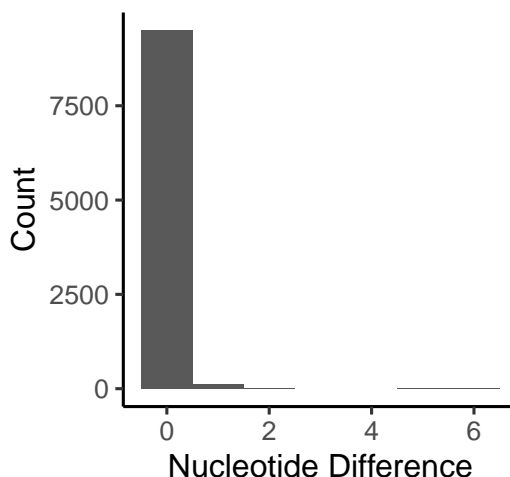
TRBV16*ap01

156 sequences assigned
155 (99.4%) exact matches, in which:
154 unique CDR3
12 unique J



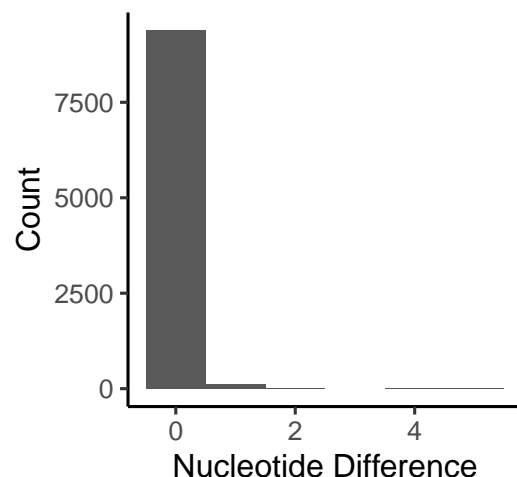
TRBV2*ap01

9610 sequences assigned
9497 (98.8%) exact matches, in which:
9316 unique CDR3
13 unique J



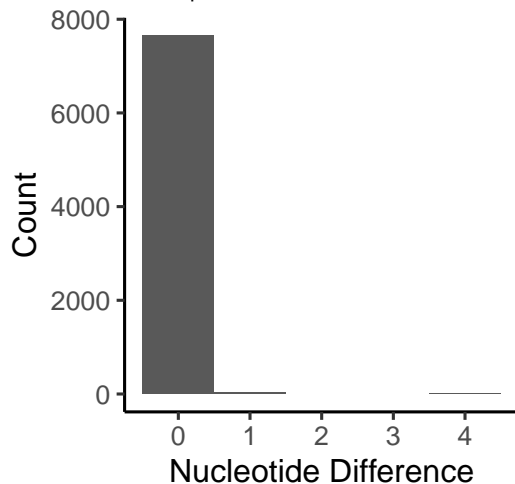
TRBV30*ap01

9519 sequences assigned
9383 (98.6%) exact matches, in which:
9247 unique CDR3
13 unique J



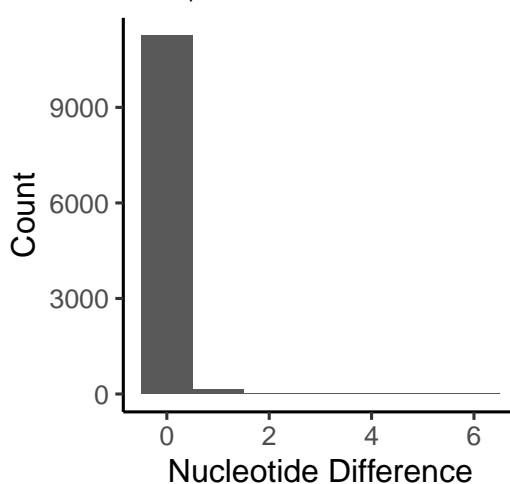
TRBV18*ap01

7679 sequences assigned
7648 (99.6%) exact matches, in which:
7583 unique CDR3
13 unique J



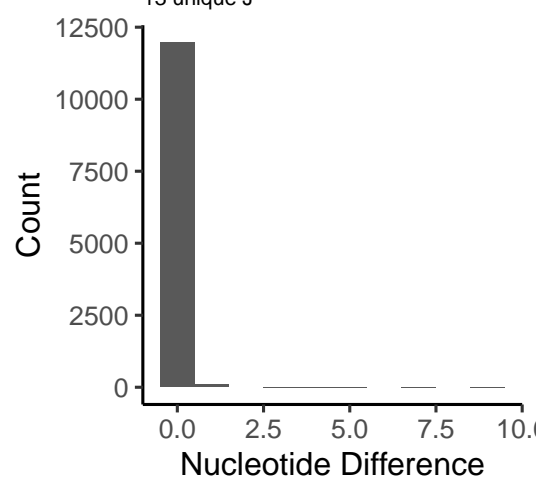
TRBV27*ap01

11403 sequences assigned
11250 (98.7%) exact matches, in which:
11074 unique CDR3
13 unique J



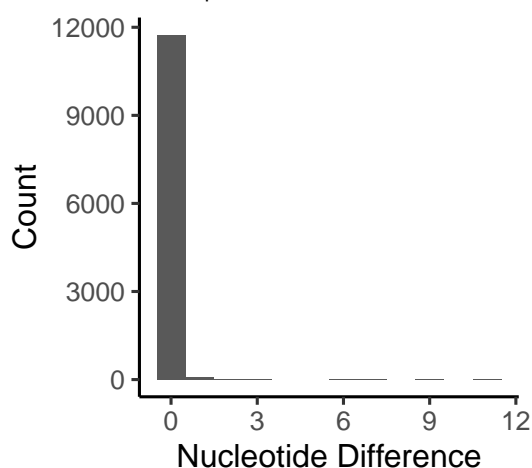
TRBV9*ap01

12072 sequences assigned
11970 (99.2%) exact matches, in which:
11833 unique CDR3
13 unique J



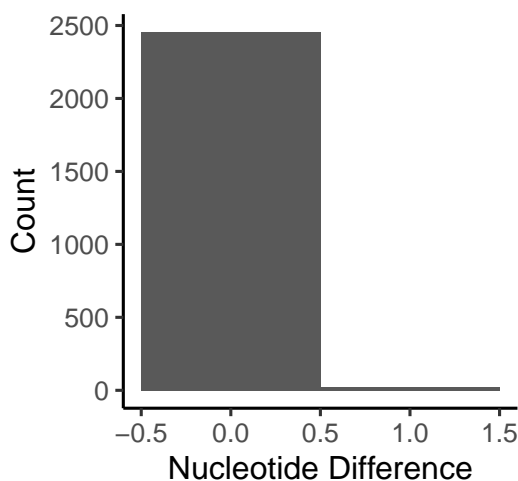
TRBV19*ap01

11832 sequences assigned
11744 (99.3%) exact matches, in which:
11672 unique CDR3
13 unique J



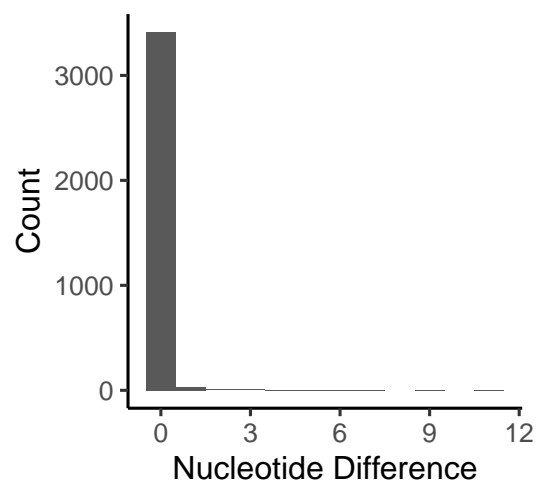
TRBV28*ap01

2476 sequences assigned
2455 (99.2%) exact matches, in which:
2425 unique CDR3
13 unique J



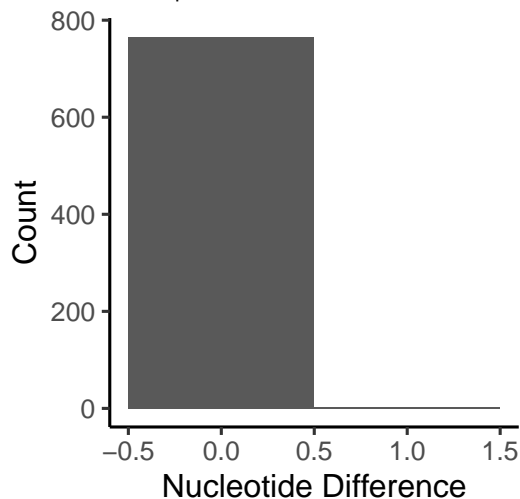
TRBV21-1*ap01

3474 sequences assigned
3413 (98.2%) exact matches, in which:
3379 unique CDR3
13 unique J



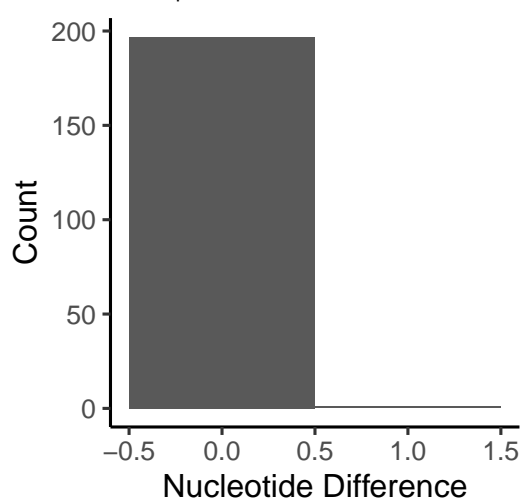
TRBV11-1*ap01

769 sequences assigned
766 (99.6%) exact matches, in which:
751 unique CDR3
13 unique J



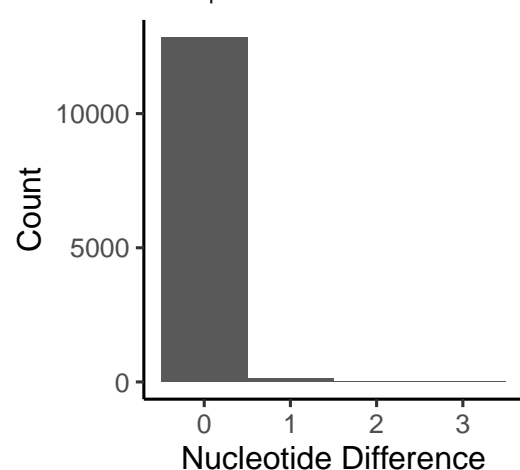
TRBV12-1*ap01

198 sequences assigned
197 (99.5%) exact matches, in which:
194 unique CDR3
13 unique J



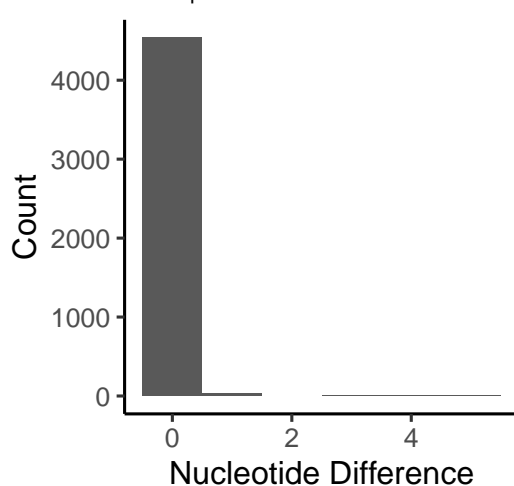
TRBV12-34*ap01

12973 sequences assigned
12849 (99%) exact matches, in which:
12675 unique CDR3
13 unique J



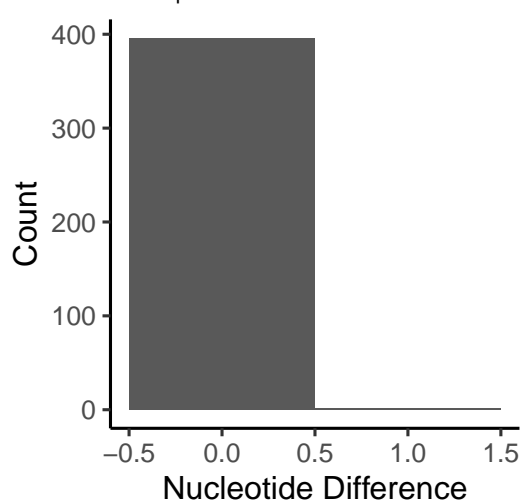
TRBV11-2*ap01

4575 sequences assigned
4538 (99.2%) exact matches, in which:
4479 unique CDR3
13 unique J



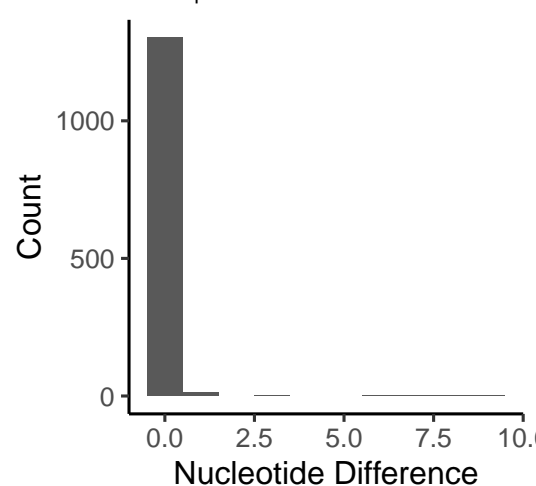
TRBV12-2*ap01

398 sequences assigned
396 (99.5%) exact matches, in which:
393 unique CDR3
13 unique J



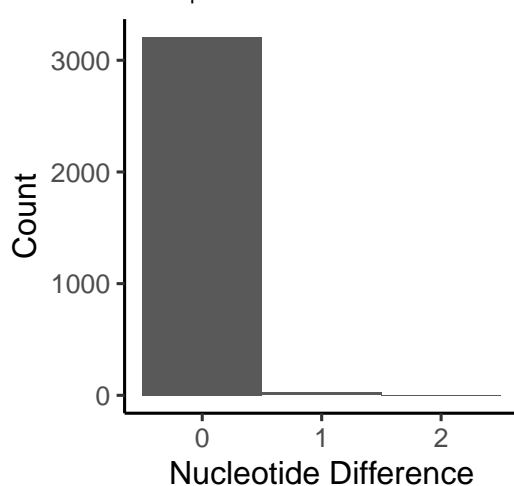
TRBV23-1*ap01

1322 sequences assigned
1302 (98.5%) exact matches, in which:
1290 unique CDR3
13 unique J



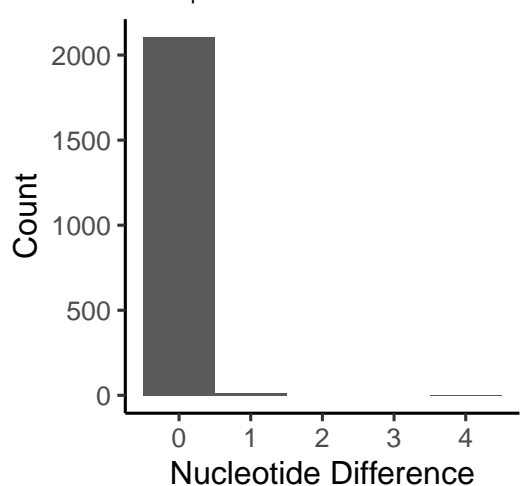
TRBV11-3*ap01

3235 sequences assigned
3208 (99.2%) exact matches, in which:
3179 unique CDR3
13 unique J



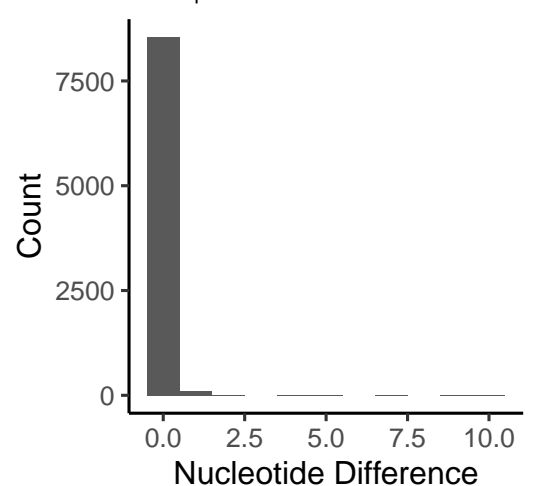
TRBV12-5*ap01

2121 sequences assigned
2106 (99.3%) exact matches, in which:
2075 unique CDR3
13 unique J



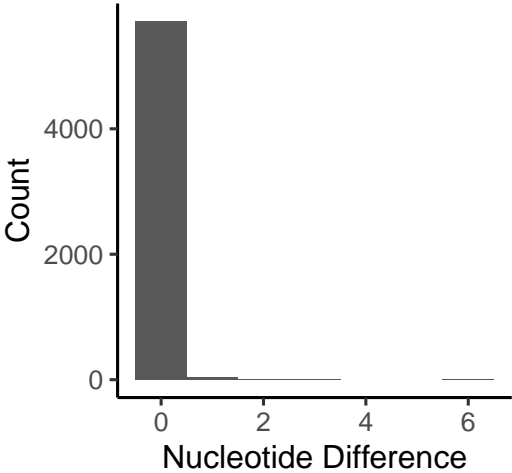
TRBV3-12*ap01

8656 sequences assigned
8547 (98.7%) exact matches, in which:
8392 unique CDR3
13 unique J



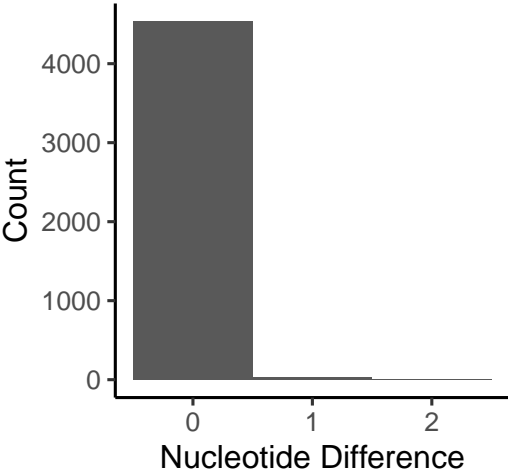
TRBV4-1*ap01

5763 sequences assigned
5713 (99.1%) exact matches, in which:
5623 unique CDR3
13 unique J



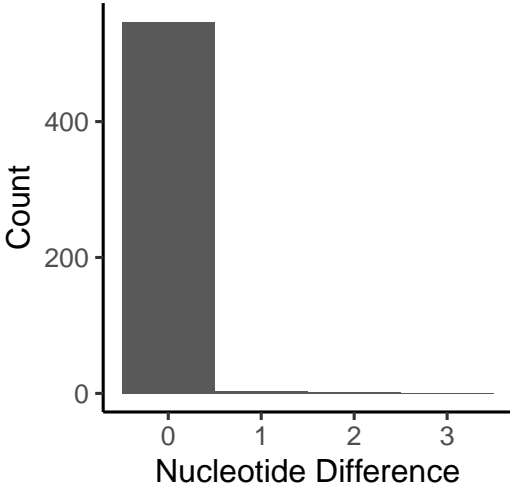
TRBV4-3*ap01

4572 sequences assigned
4535 (99.2%) exact matches, in which:
4479 unique CDR3
13 unique J



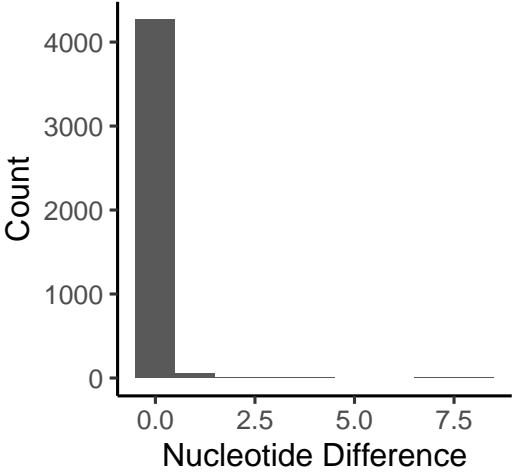
TRBV5-3*ap01

553 sequences assigned
547 (98.9%) exact matches, in which:
538 unique CDR3
13 unique J



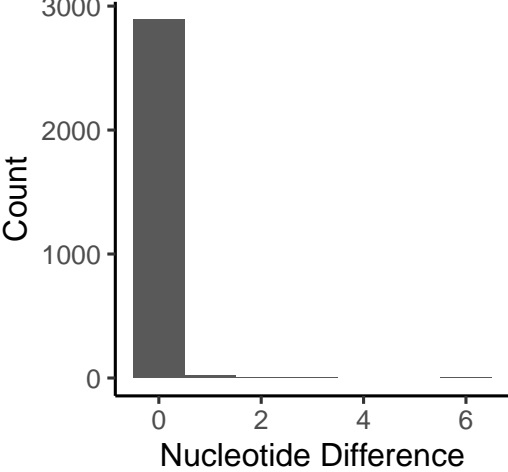
TRBV24-1*ap01

4331 sequences assigned
4266 (98.5%) exact matches, in which:
4208 unique CDR3
13 unique J



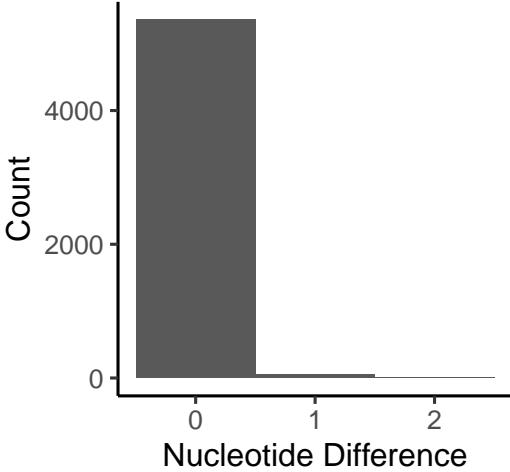
TRBV25-1*ap01

2914 sequences assigned
2890 (99.2%) exact matches, in which:
2836 unique CDR3
13 unique J



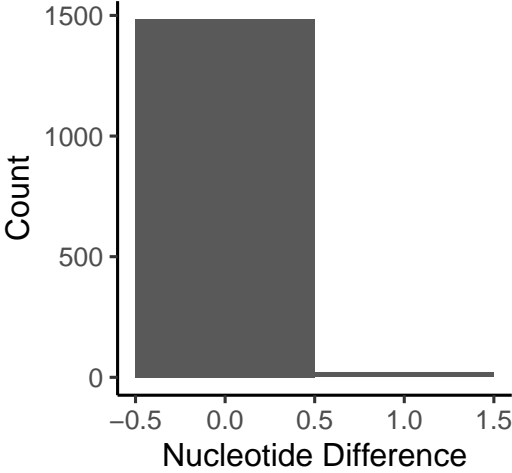
TRBV5-4*ap01

5411 sequences assigned
5358 (99%) exact matches, in which:
5261 unique CDR3
13 unique J



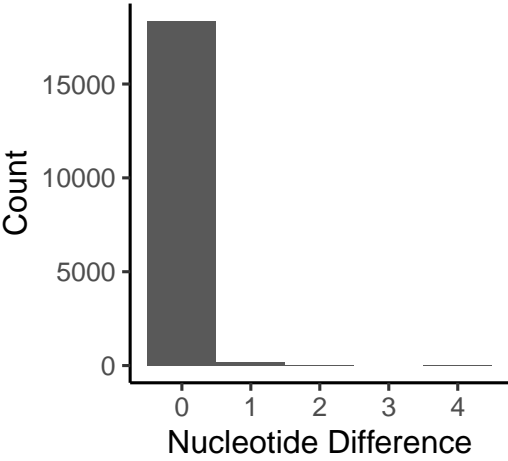
TRBV4-2*ap01

1505 sequences assigned
1485 (98.7%) exact matches, in which:
1459 unique CDR3
13 unique J



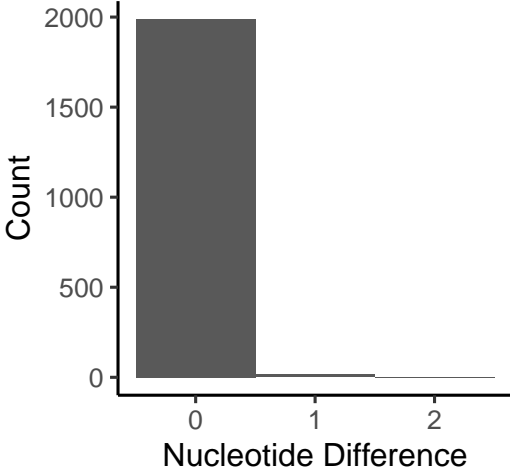
TRBV5-1*ap01

18564 sequences assigned
18369 (98.9%) exact matches, in which:
18021 unique CDR3
13 unique J



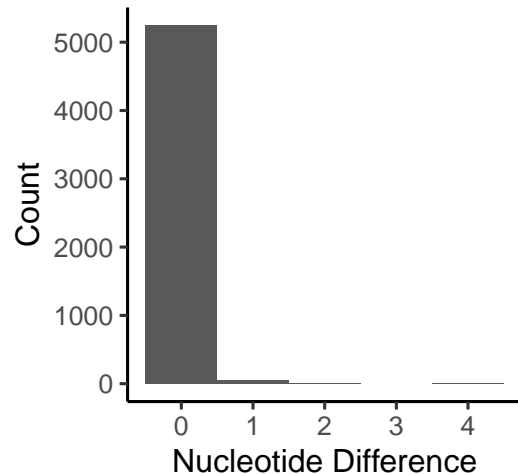
TRBV5-5*ap01

2006 sequences assigned
1989 (99.2%) exact matches, in which:
1962 unique CDR3
13 unique J



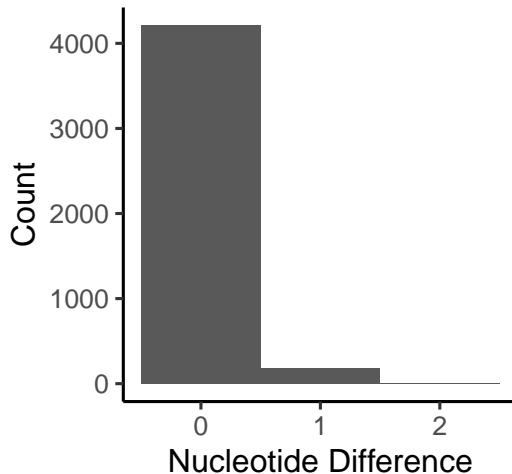
TRBV5-6*ap01

5304 sequences assigned
5246 (98.9%) exact matches, in which:
5149 unique CDR3
13 unique J



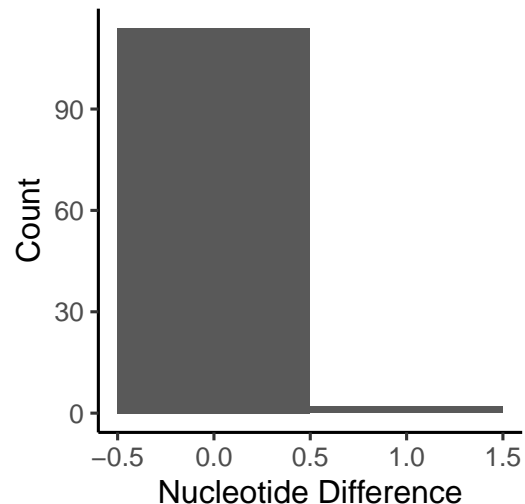
TRBV6-1*ap01

4392 sequences assigned
4211 (95.9%) exact matches, in which:
4131 unique CDR3
13 unique J



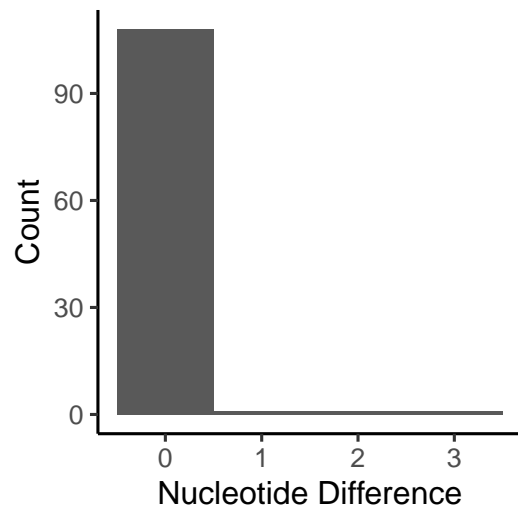
TRBV6-8*ap01

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



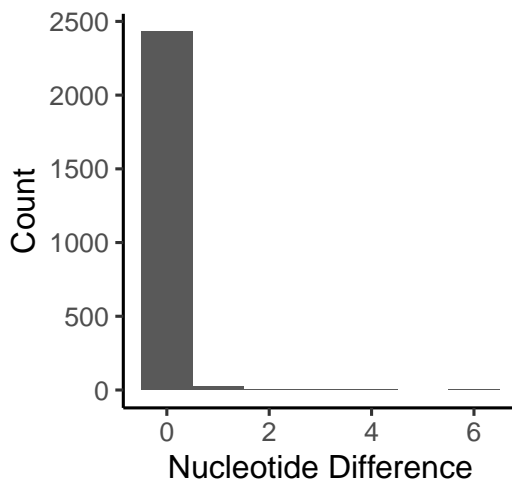
TRBV5-7*ap01

111 sequences assigned
108 (97.3%) exact matches, in which:
106 unique CDR3
13 unique J



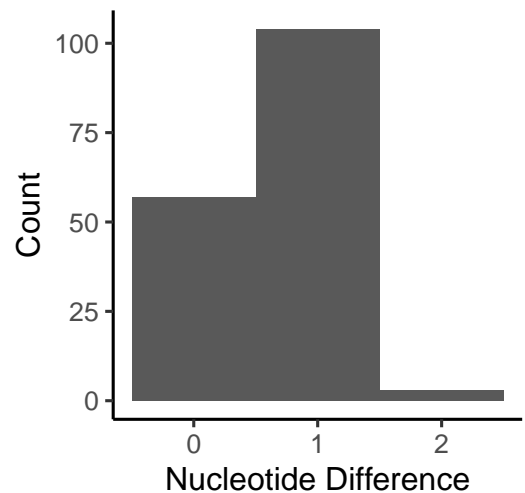
TRBV6-4*ap01

2467 sequences assigned
2430 (98.5%) exact matches, in which:
2404 unique CDR3
13 unique J



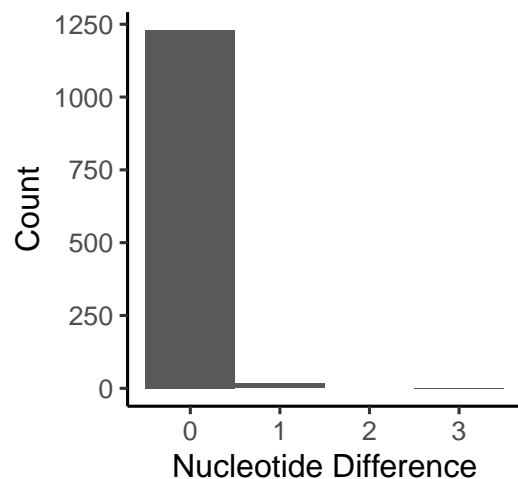
TRBV6-9*ap01

164 sequences assigned
57 (34.8%) exact matches, in which:
56 unique CDR3
12 unique J



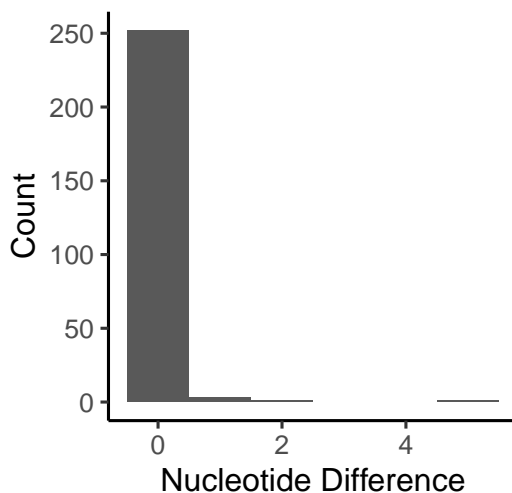
TRBV5-8*ap01

1248 sequences assigned
1230 (98.6%) exact matches, in which:
1221 unique CDR3
13 unique J



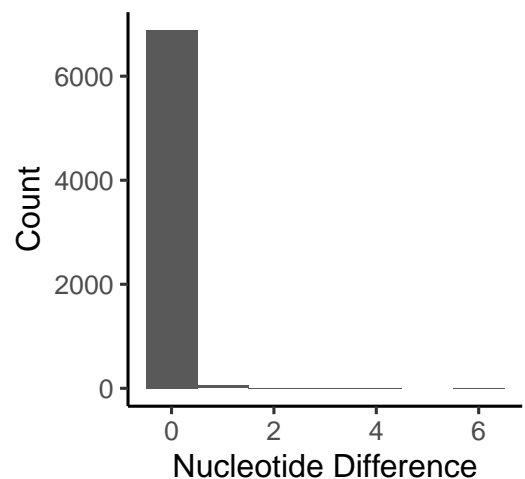
TRBV6-7*ap01

257 sequences assigned
252 (98.1%) exact matches, in which:
244 unique CDR3
13 unique J



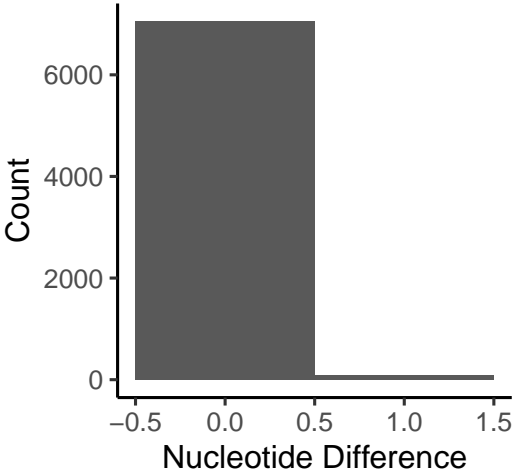
TRBV6-23*ap01

6951 sequences assigned
6887 (99.1%) exact matches, in which:
6743 unique CDR3
13 unique J



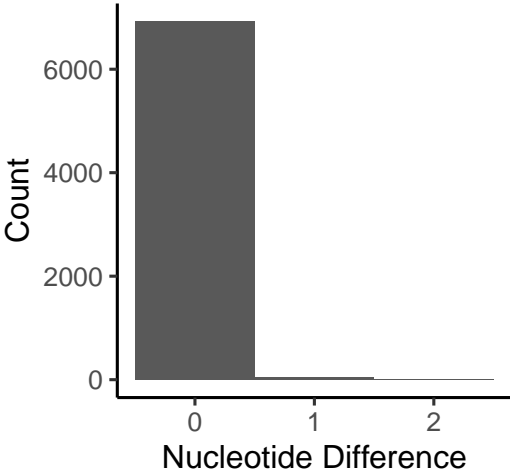
TRBV6-56*ap01

7134 sequences assigned
7051 (98.8%) exact matches, in which:
6906 unique CDR3
13 unique J



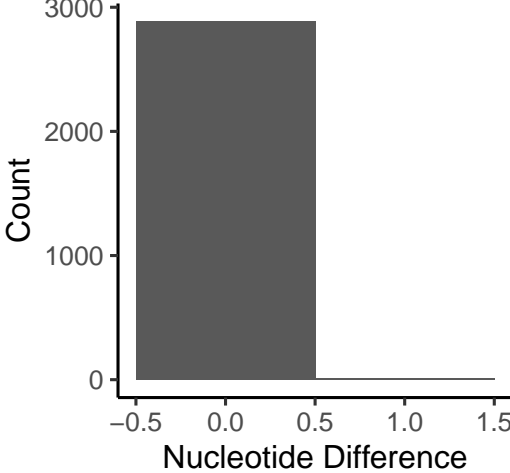
TRBV7-2*ap01

6979 sequences assigned
6924 (99.2%) exact matches, in which:
6852 unique CDR3
13 unique J



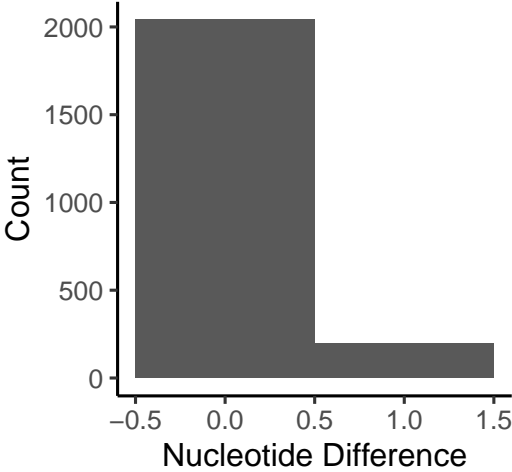
TRBV7-6*ap01

2901 sequences assigned
2886 (99.5%) exact matches, in which:
2858 unique CDR3
13 unique J



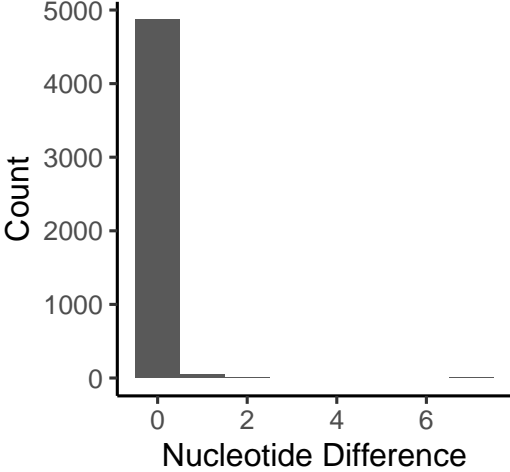
TRBV6-56*ap02

2239 sequences assigned
2041 (91.2%) exact matches, in which:
2003 unique CDR3
13 unique J



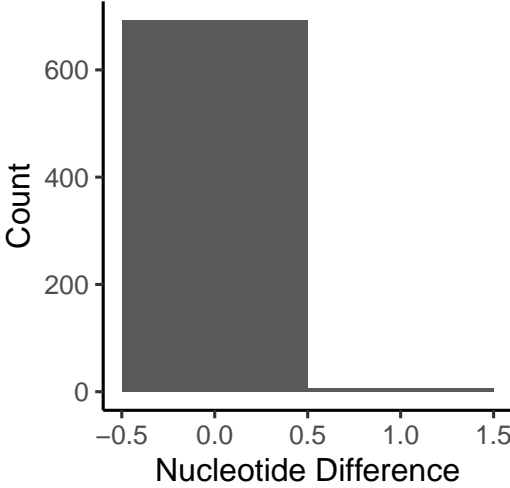
TRBV7-3*ap01

4918 sequences assigned
4868 (99%) exact matches, in which:
4817 unique CDR3
13 unique J



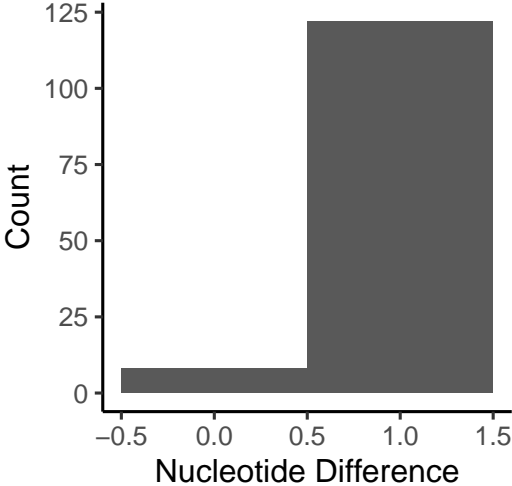
TRBV7-7*ap01

699 sequences assigned
693 (99.1%) exact matches, in which:
683 unique CDR3
13 unique J



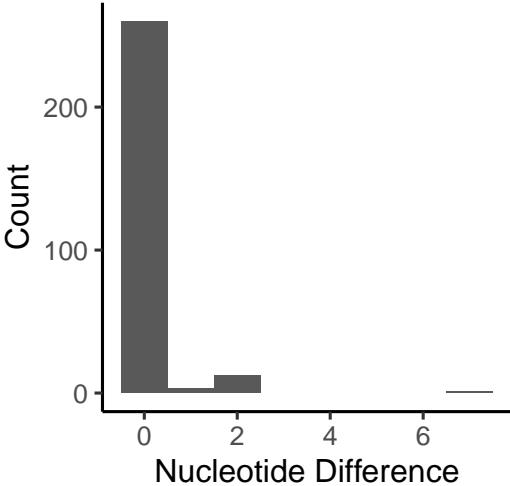
TRBV7-1*ap01_T296C

130 sequences assigned
8 (6.2%) exact matches, in which:
8 unique CDR3
5 unique J



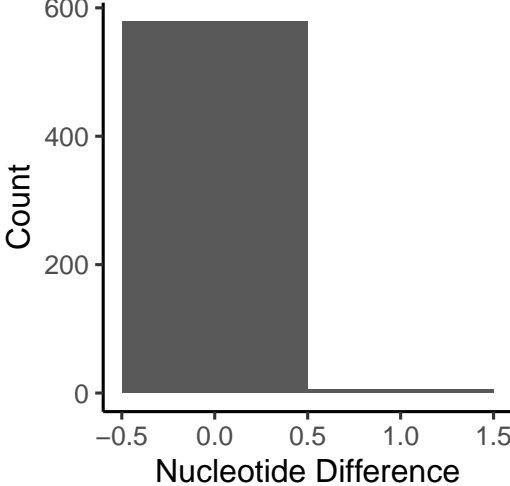
TRBV7-4*ap01

276 sequences assigned
260 (94.2%) exact matches, in which:
259 unique CDR3
13 unique J



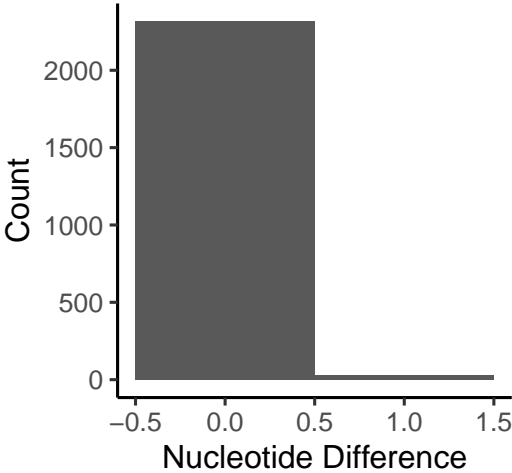
TRBV7-7*ap01_C315T

584 sequences assigned
579 (99.1%) exact matches, in which:
571 unique CDR3
13 unique J



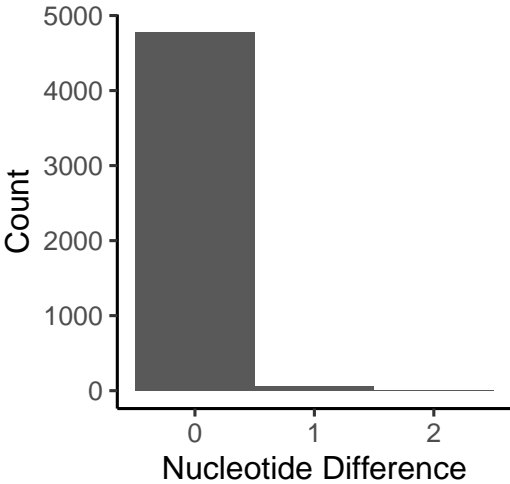
TRBV7-8*ap01

2348 sequences assigned
2316 (98.6%) exact matches, in which:
2282 unique CDR3
13 unique J



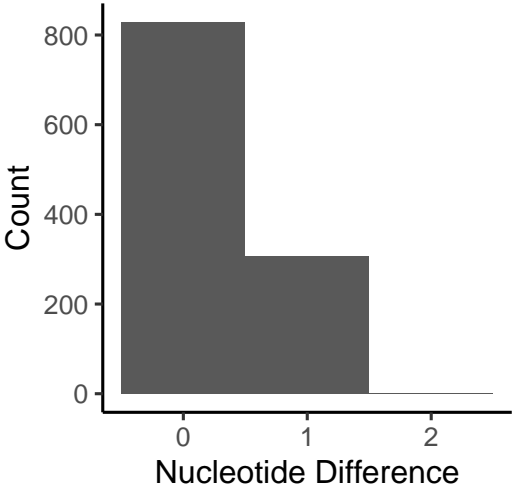
TRBV29-1*ap01

4838 sequences assigned
4775 (98.7%) exact matches, in which:
4686 unique CDR3
13 unique J



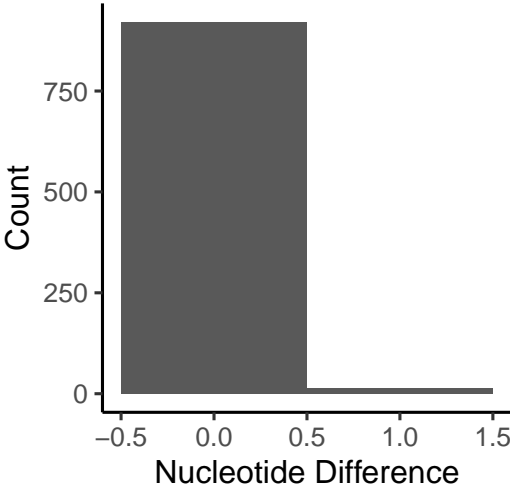
TRBV7-8*ap03

1136 sequences assigned
829 (73%) exact matches, in which:
814 unique CDR3
13 unique J



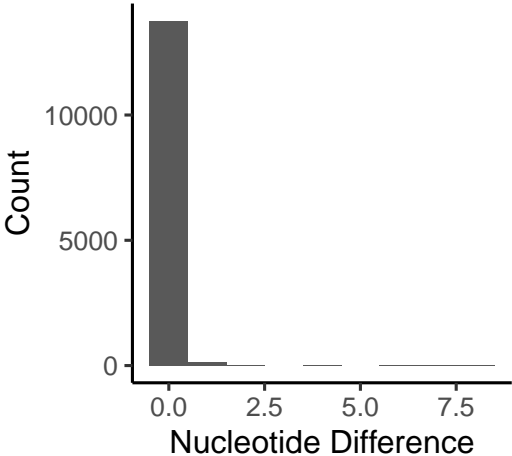
TRBV29-1*ap02

935 sequences assigned
921 (98.5%) exact matches, in which:
908 unique CDR3
13 unique J

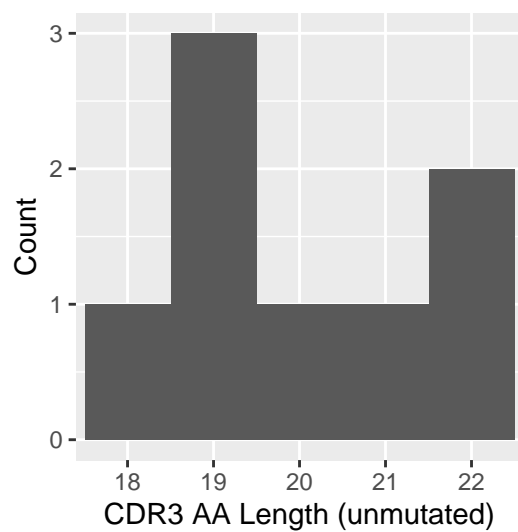


TRBV7-9*ap01

13888 sequences assigned
13761 (99.1%) exact matches, in which:
13622 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

