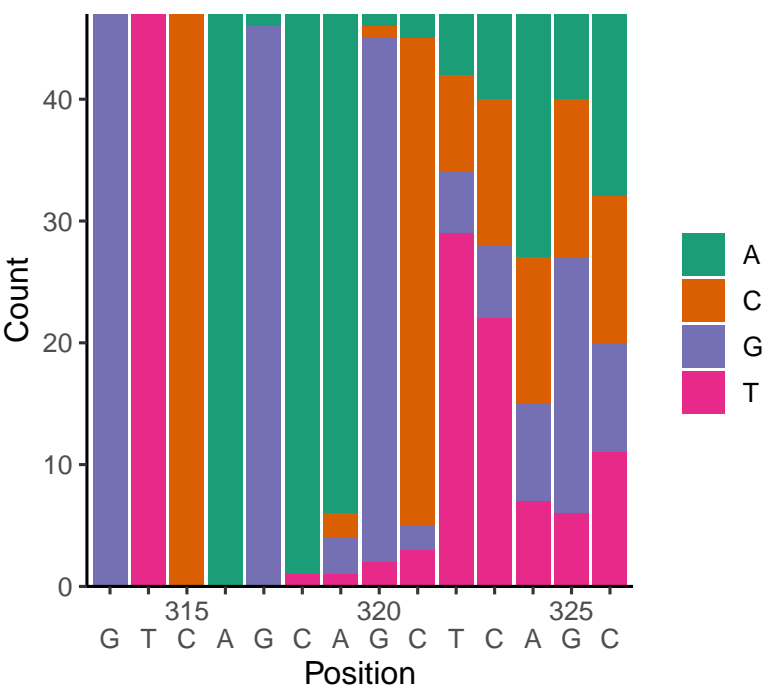
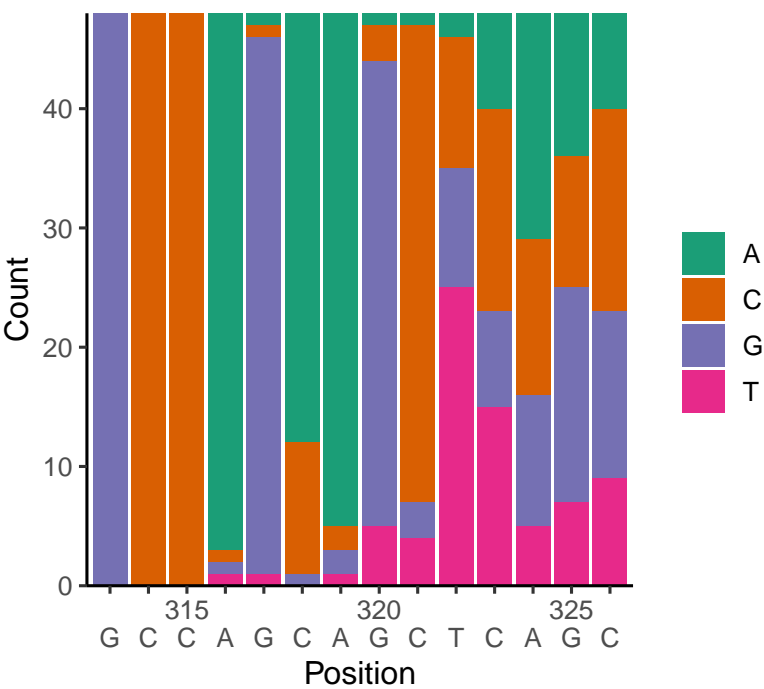


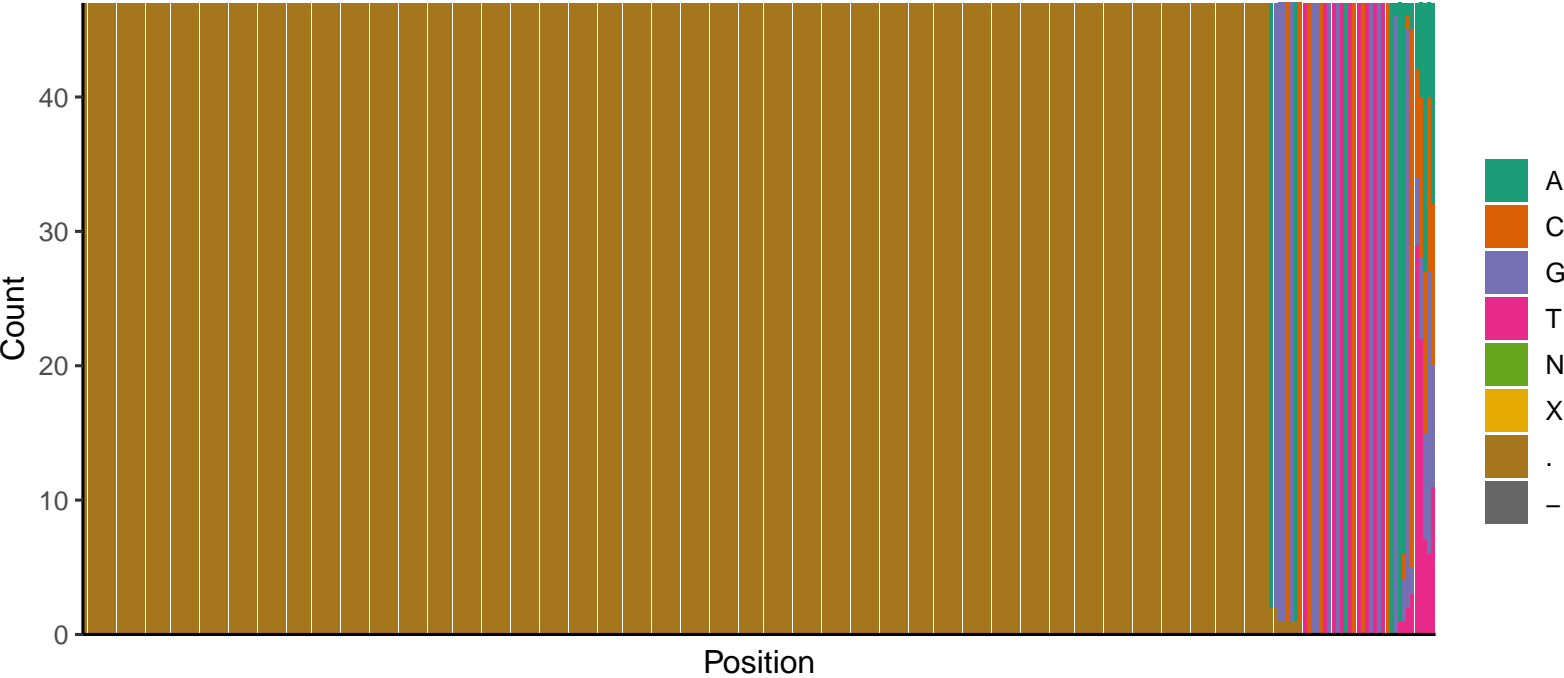
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



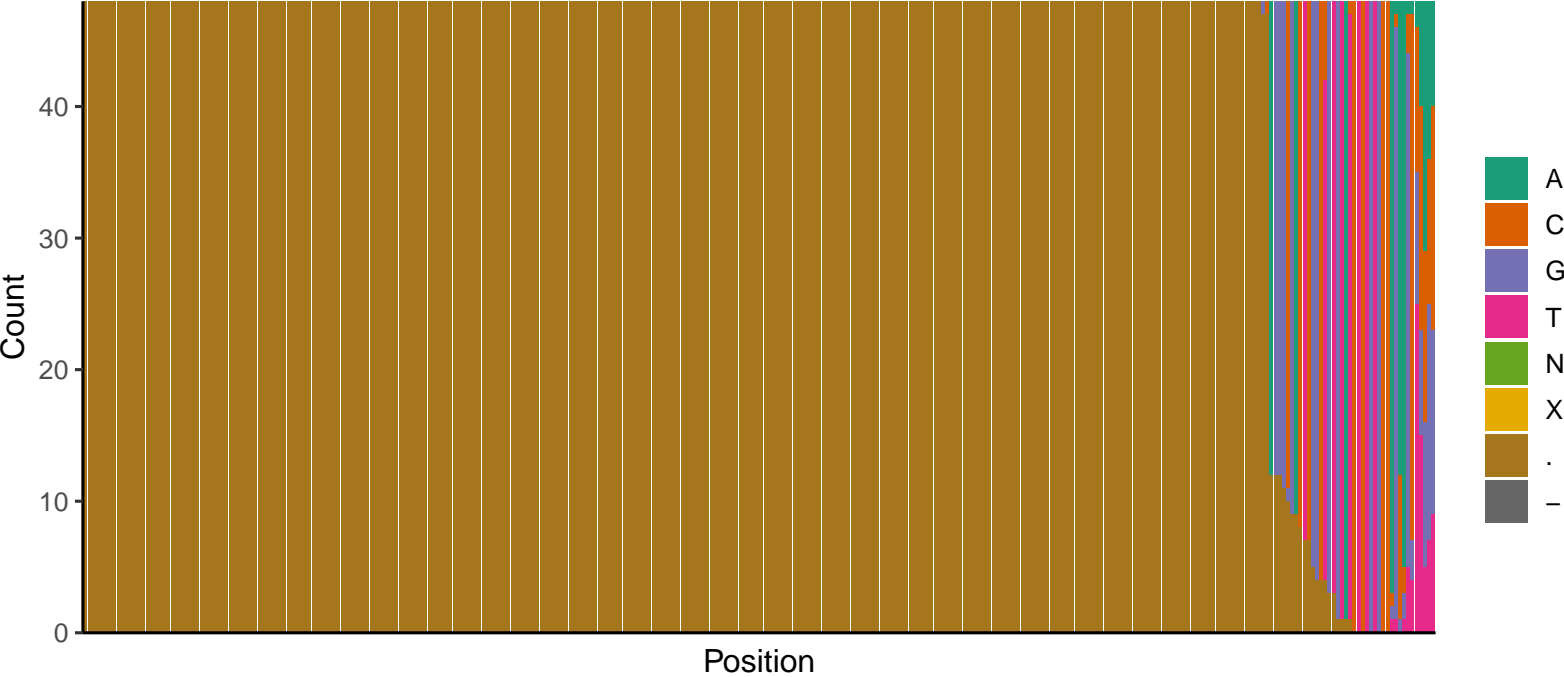
Gene TRBV7-1\*ap01\_G291C\_T296C



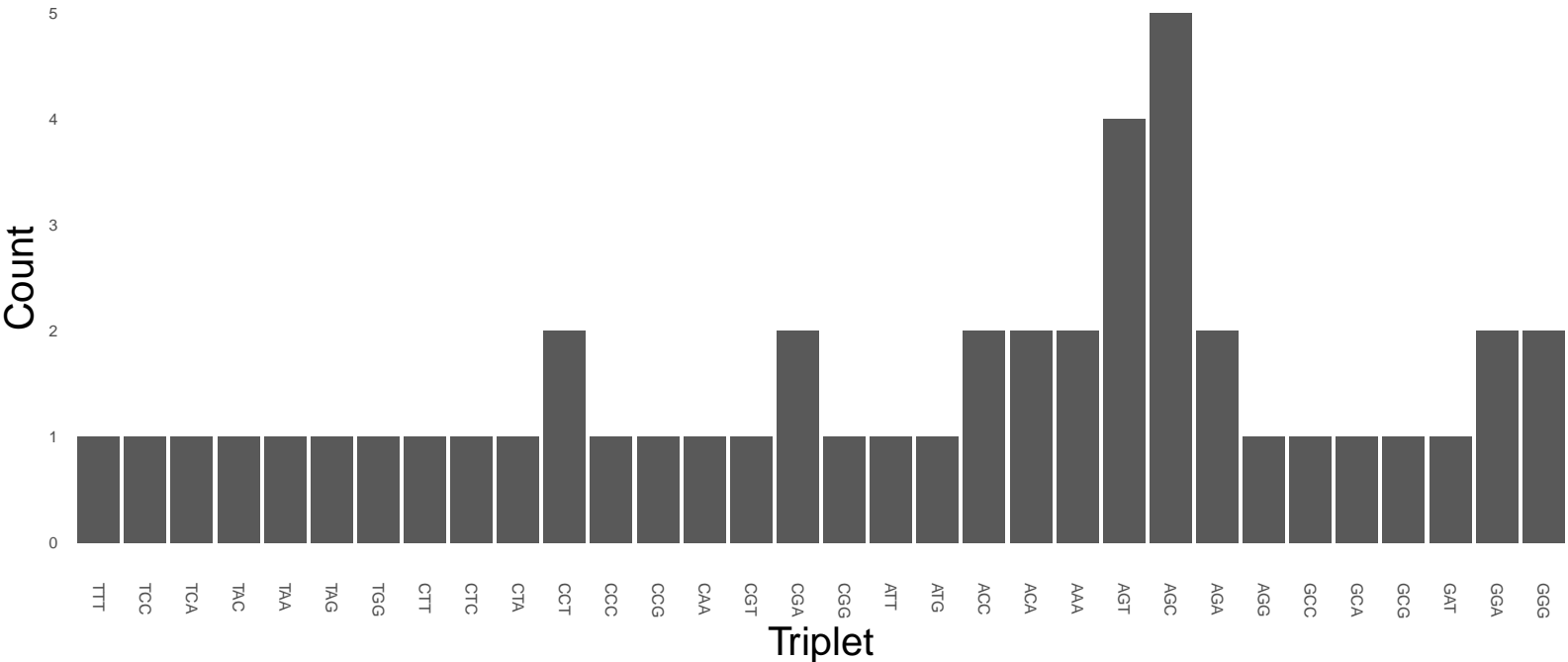
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



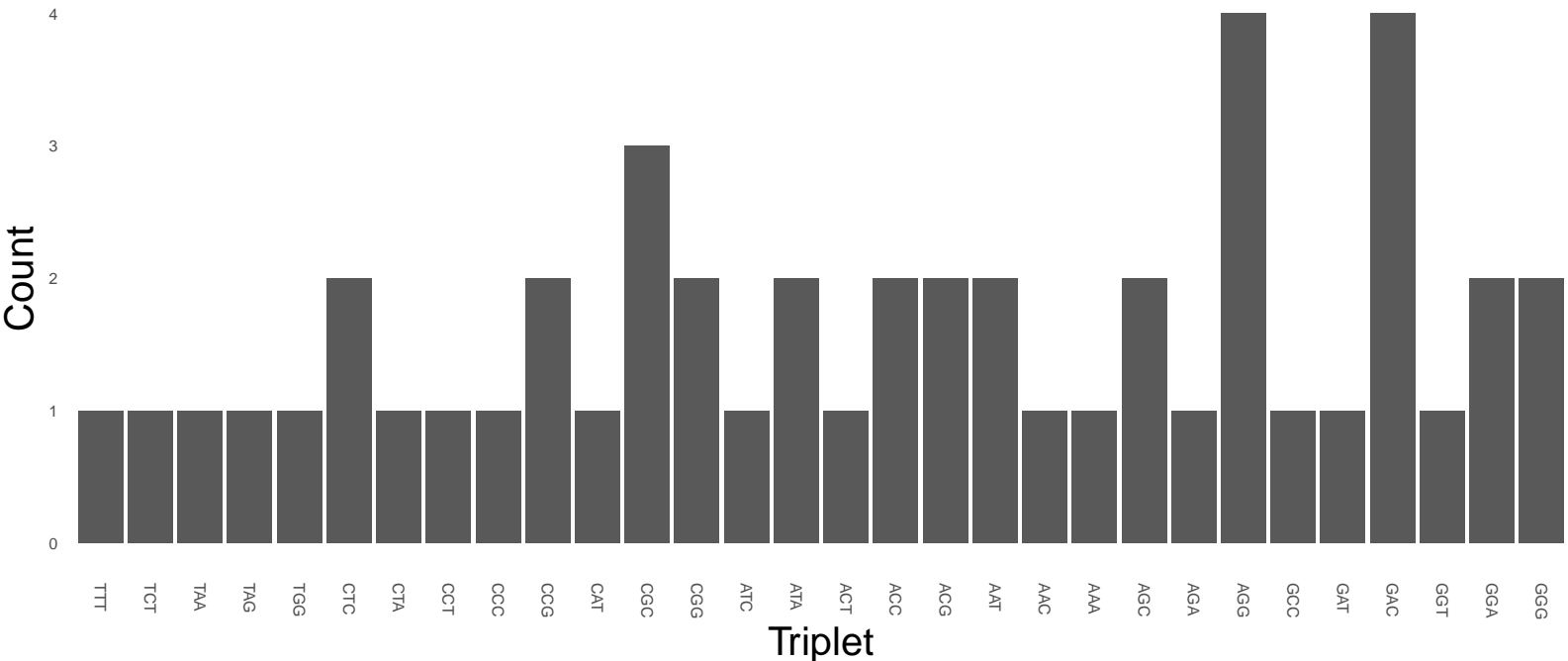
Gene TRBV7-1\*ap01\_G291C\_T296C



TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet

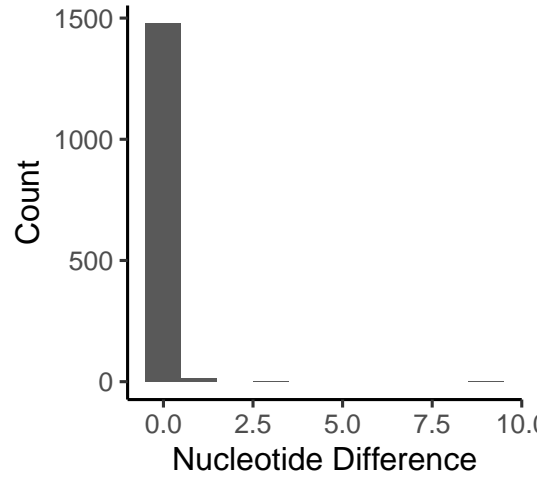


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



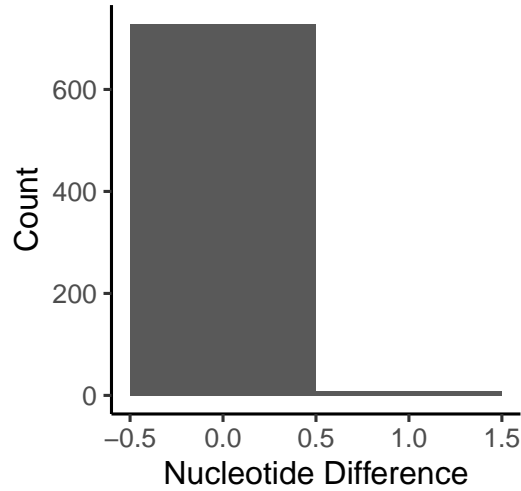
### TRBV10-1\*ap01

1496 sequences assigned  
1478 (98.8%) exact matches, in which:  
1457 unique CDR3  
13 unique J



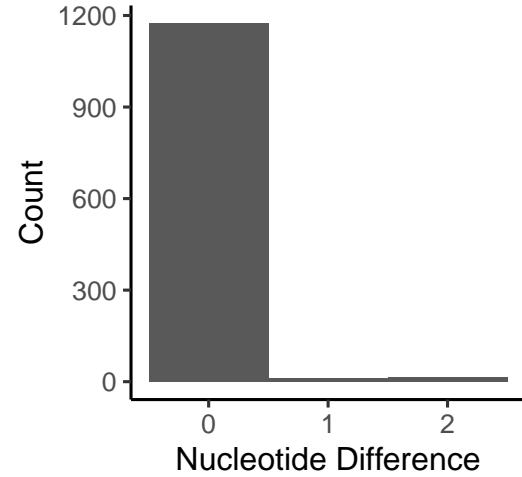
### TRBV10-2\*ap01

737 sequences assigned  
729 (98.9%) exact matches, in which:  
721 unique CDR3  
13 unique J



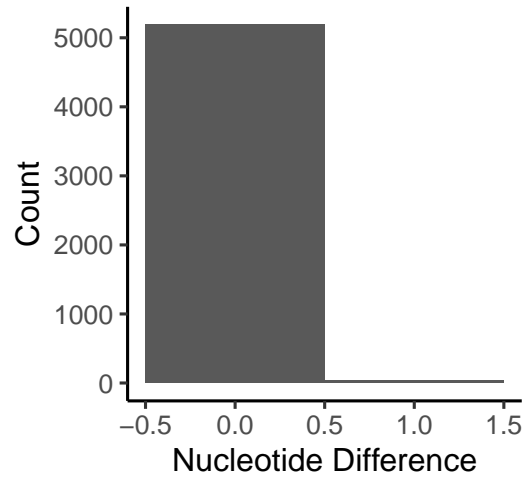
### TRBV13\*ap01

1201 sequences assigned  
1174 (97.8%) exact matches, in which:  
1154 unique CDR3  
13 unique J



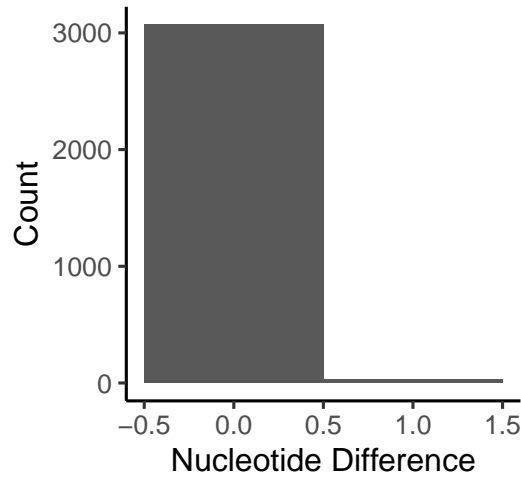
### TRBV20-1\*ap01

5227 sequences assigned  
5189 (99.3%) exact matches, in which:  
5145 unique CDR3  
13 unique J



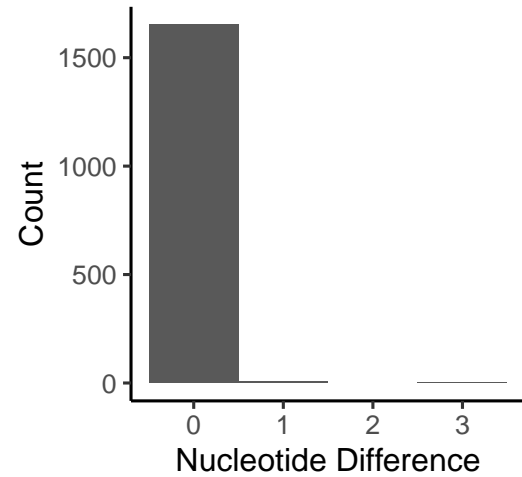
### TRBV10-3\*ap01

3102 sequences assigned  
3070 (99%) exact matches, in which:  
3045 unique CDR3  
13 unique J



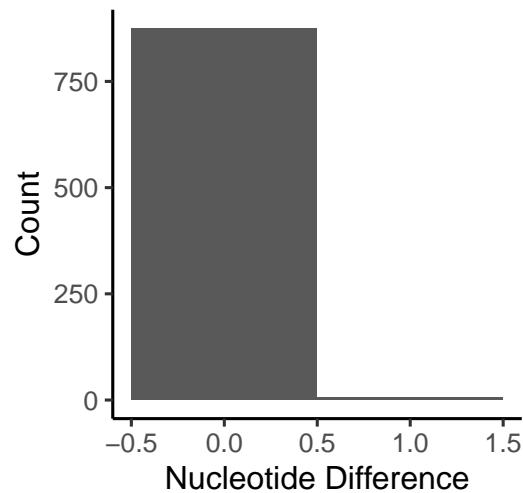
### TRBV14\*ap01

1660 sequences assigned  
1652 (99.5%) exact matches, in which:  
1640 unique CDR3  
13 unique J



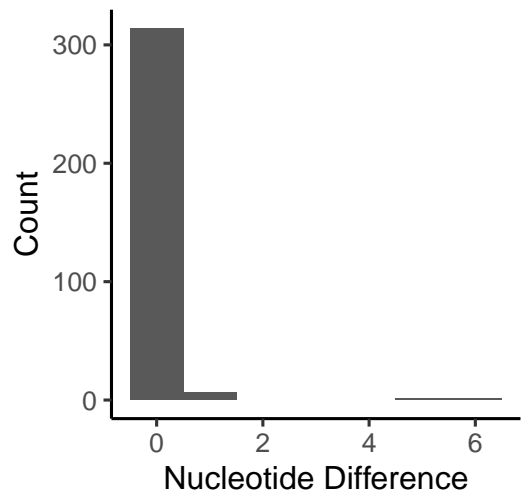
### TRBV20-1\*ap02

881 sequences assigned  
875 (99.3%) exact matches, in which:  
867 unique CDR3  
13 unique J



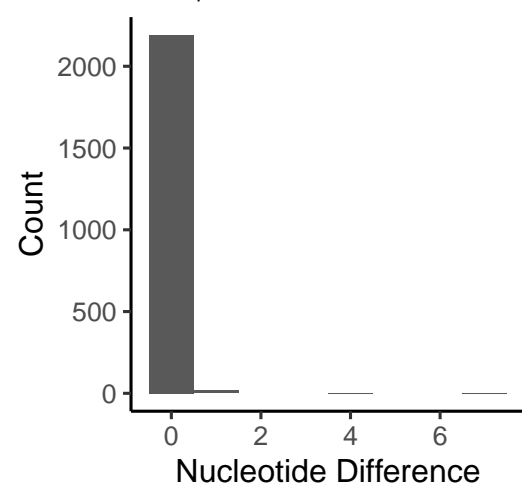
### TRBV1\*ap01

322 sequences assigned  
314 (97.5%) exact matches, in which:  
309 unique CDR3  
13 unique J



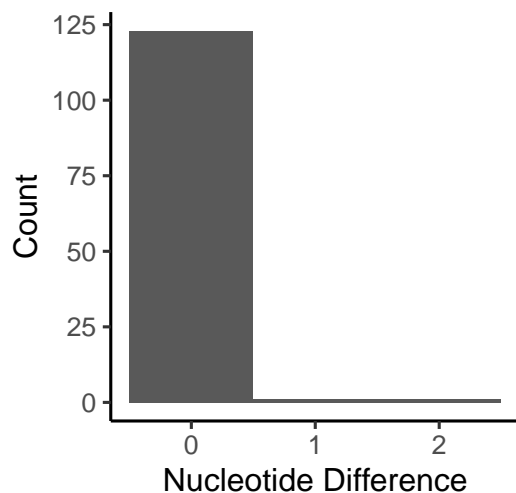
### TRBV15\*ap02

2212 sequences assigned  
2191 (99.1%) exact matches, in which:  
2171 unique CDR3  
14 unique J



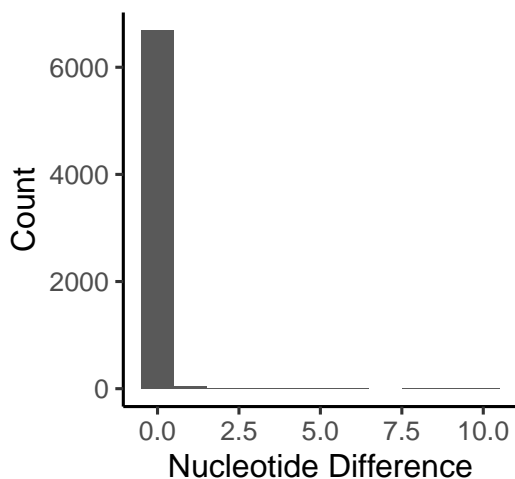
### TRBV16\*ap01

125 sequences assigned  
123 (98.4%) exact matches, in which:  
121 unique CDR3  
13 unique J



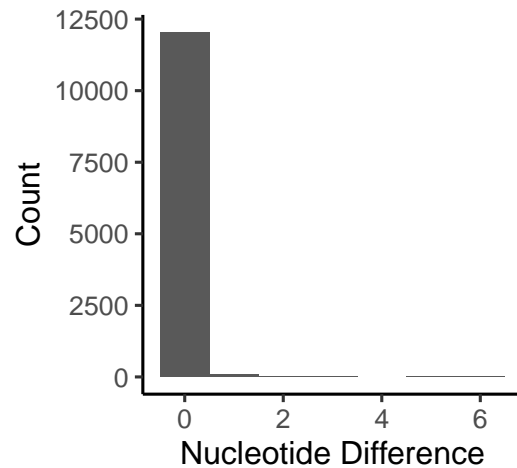
### TRBV19\*ap01

6750 sequences assigned  
6688 (99.1%) exact matches, in which:  
6656 unique CDR3  
13 unique J



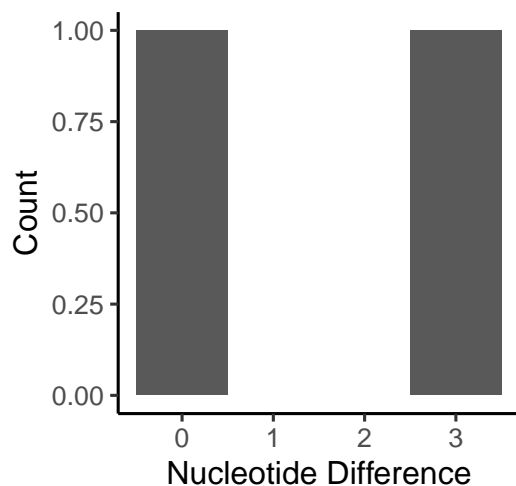
### TRBV28\*ap01

12144 sequences assigned  
12044 (99.2%) exact matches, in which:  
11974 unique CDR3  
13 unique J



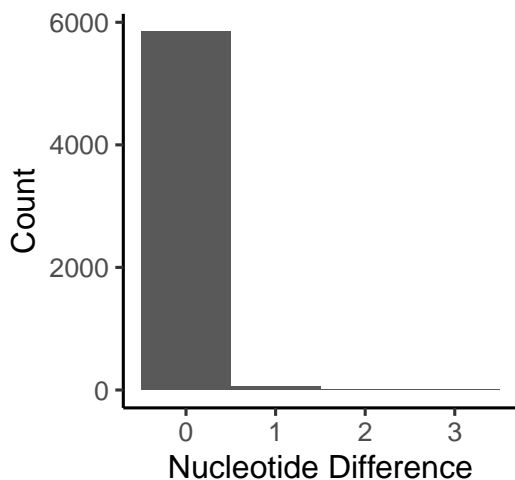
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



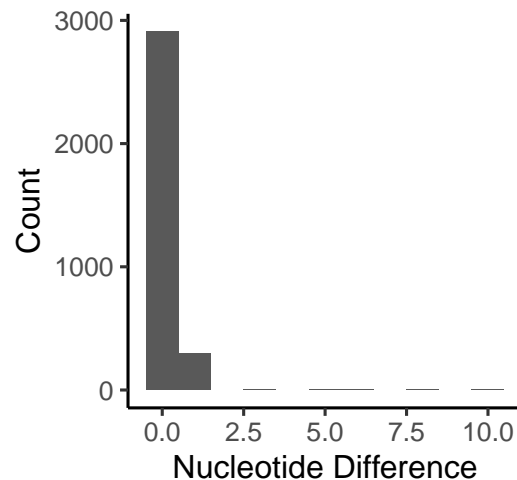
### TRBV2\*ap01

5908 sequences assigned  
5846 (99%) exact matches, in which:  
5769 unique CDR3  
13 unique J



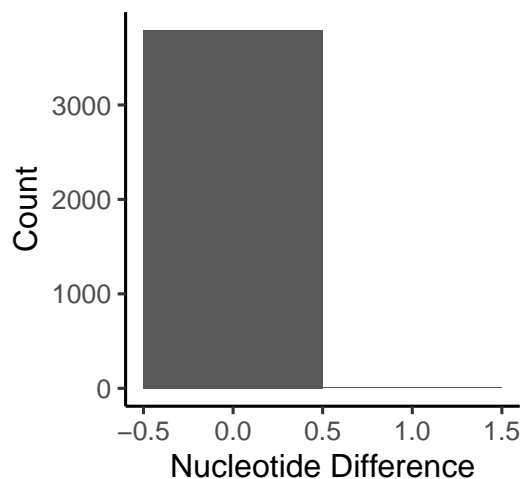
### TRBV30\*ap01

3214 sequences assigned  
2908 (90.5%) exact matches, in which:  
2855 unique CDR3  
13 unique J



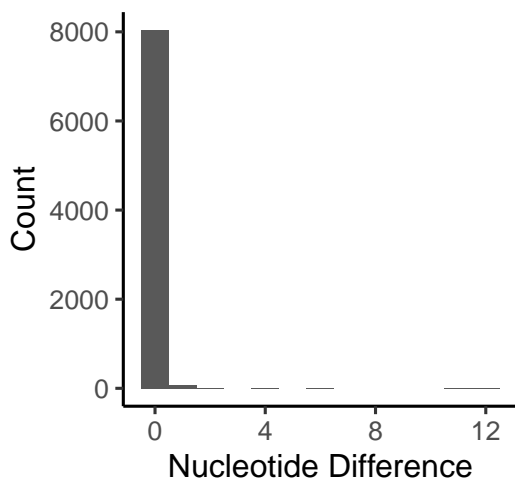
### TRBV18\*ap01

3802 sequences assigned  
3793 (99.8%) exact matches, in which:  
3773 unique CDR3  
13 unique J



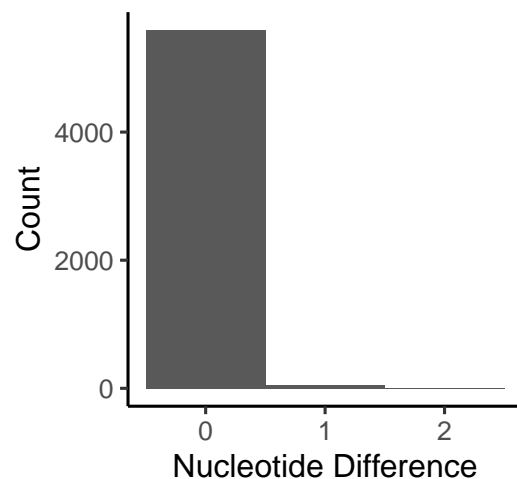
### TRBV27\*ap01

8119 sequences assigned  
8040 (99%) exact matches, in which:  
7974 unique CDR3  
13 unique J



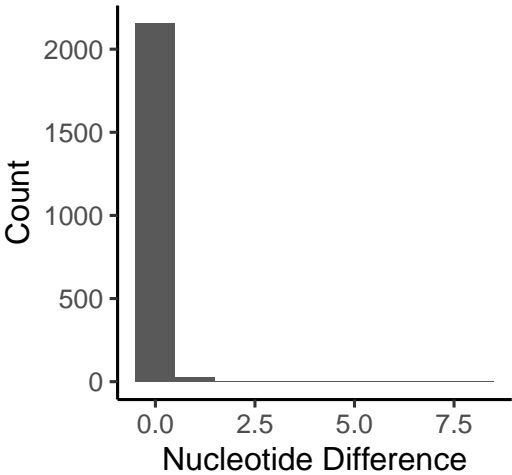
### TRBV9\*ap01

5646 sequences assigned  
5593 (99.1%) exact matches, in which:  
5557 unique CDR3  
13 unique J



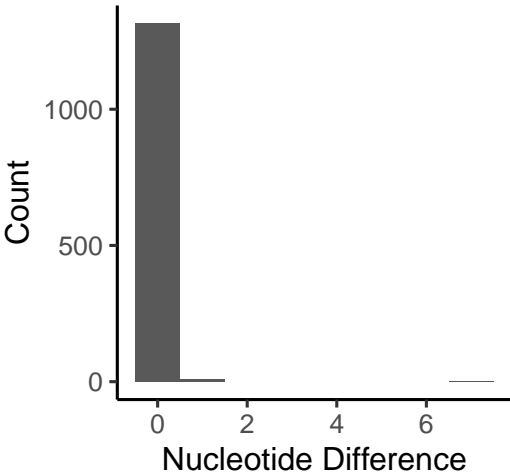
TRBV21-1\*ap01

2194 sequences assigned  
2155 (98.2%) exact matches, in which:  
2143 unique CDR3  
13 unique J



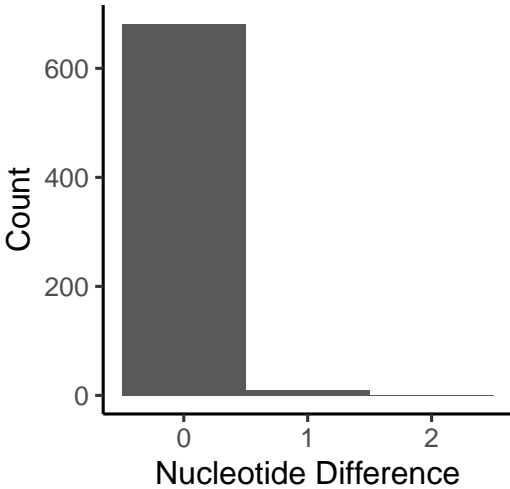
TRBV11-3\*ap01

1327 sequences assigned  
1315 (99.1%) exact matches, in which:  
1311 unique CDR3  
13 unique J



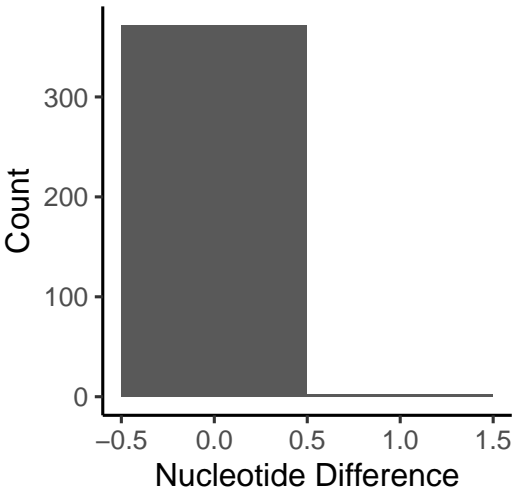
TRBV12-5\*ap01

693 sequences assigned  
682 (98.4%) exact matches, in which:  
680 unique CDR3  
12 unique J



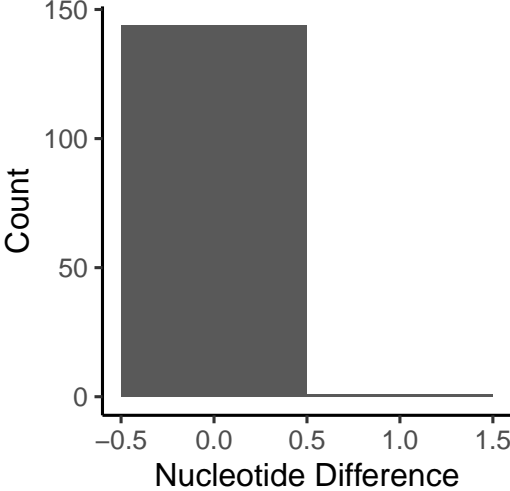
TRBV11-1\*ap01

375 sequences assigned  
372 (99.2%) exact matches, in which:  
371 unique CDR3  
13 unique J



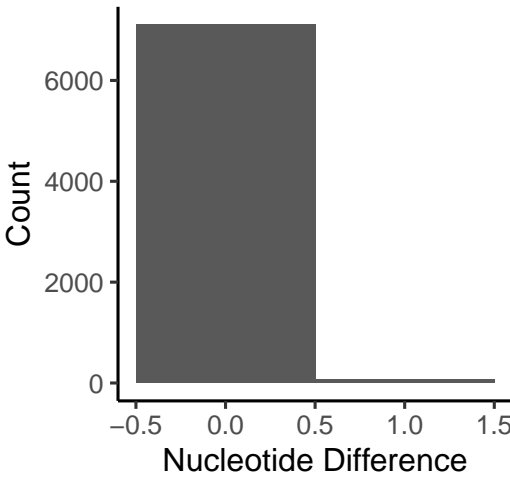
TRBV12-1\*ap01

145 sequences assigned  
144 (99.3%) exact matches, in which:  
143 unique CDR3  
12 unique J



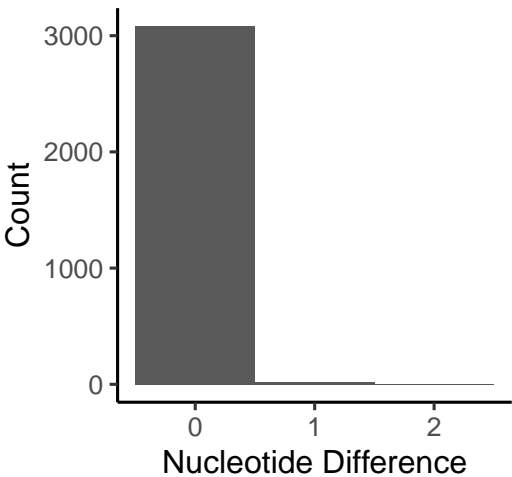
TRBV12-34\*ap01

7171 sequences assigned  
7105 (99.1%) exact matches, in which:  
7042 unique CDR3  
13 unique J



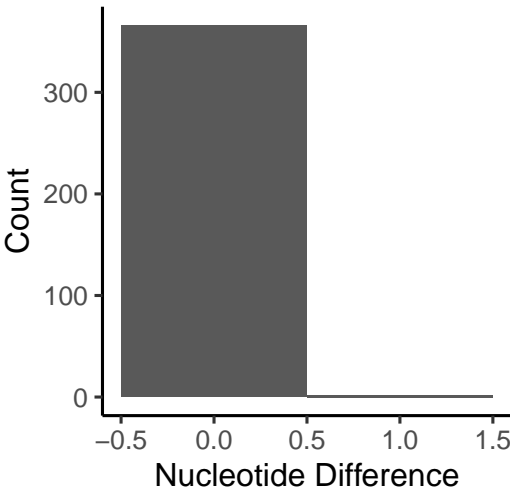
TRBV11-2\*ap01

3109 sequences assigned  
3083 (99.2%) exact matches, in which:  
3067 unique CDR3  
13 unique J



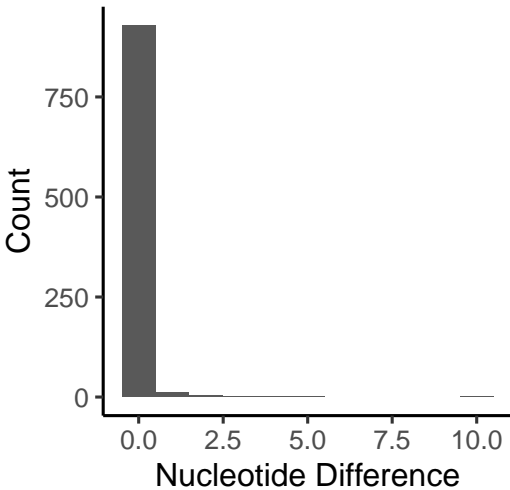
TRBV12-2\*ap01

368 sequences assigned  
366 (99.5%) exact matches, in which:  
361 unique CDR3  
12 unique J



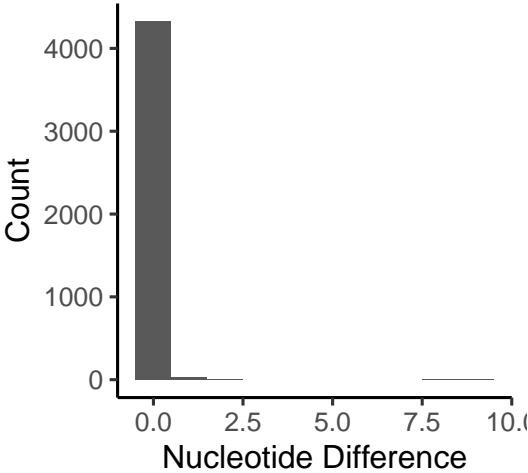
TRBV23-1\*ap01

949 sequences assigned  
929 (97.9%) exact matches, in which:  
922 unique CDR3  
13 unique J



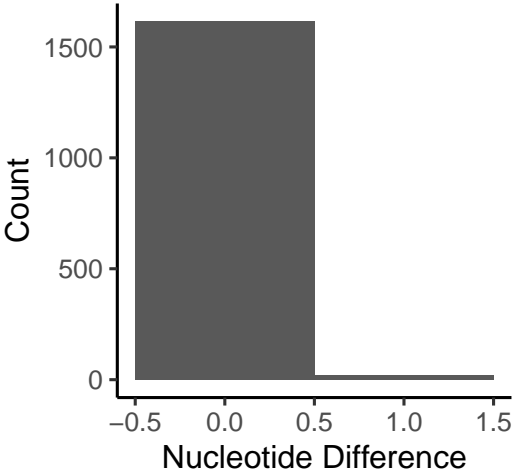
TRBV3-12\*ap01

4361 sequences assigned  
4326 (99.2%) exact matches, in which:  
4303 unique CDR3  
13 unique J



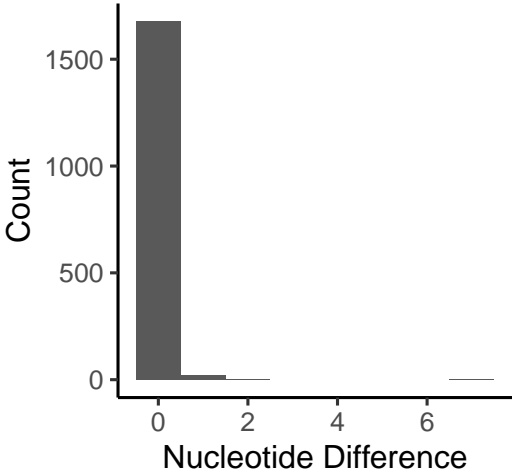
TRBV4-2\*ap01

1636 sequences assigned  
1615 (98.7%) exact matches, in which:  
1597 unique CDR3  
13 unique J



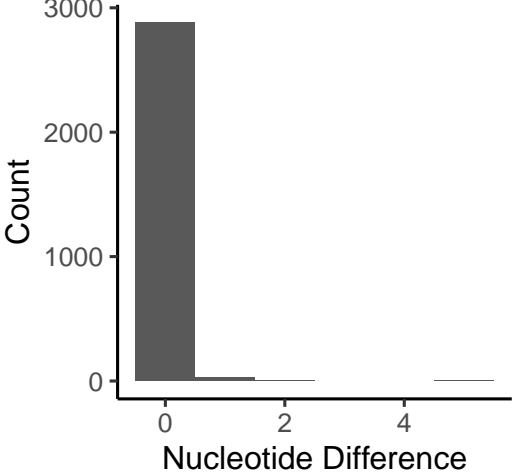
TRBV25-1\*ap01

1701 sequences assigned  
1677 (98.6%) exact matches, in which:  
1642 unique CDR3  
13 unique J



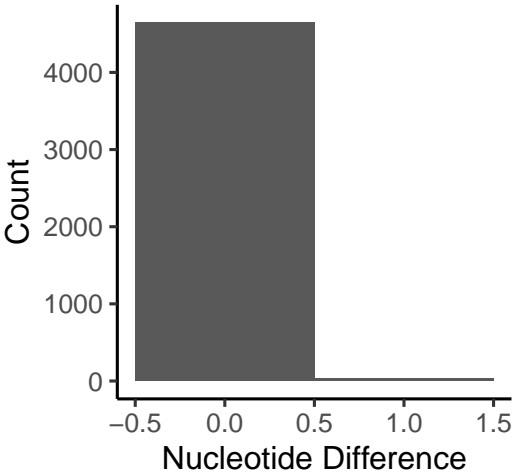
TRBV4-1\*ap01

2914 sequences assigned  
2880 (98.8%) exact matches, in which:  
2850 unique CDR3  
13 unique J



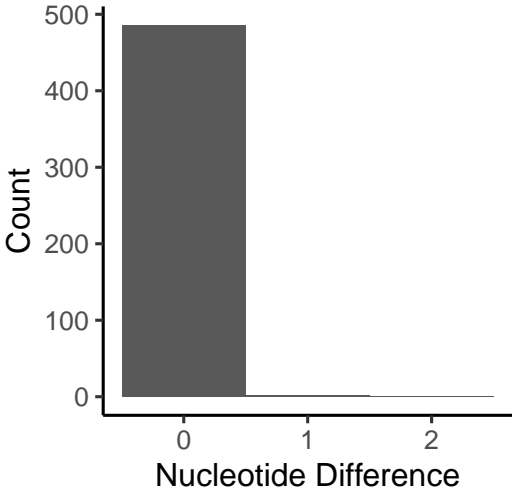
TRBV4-3\*ap01

4678 sequences assigned  
4644 (99.3%) exact matches, in which:  
4608 unique CDR3  
13 unique J



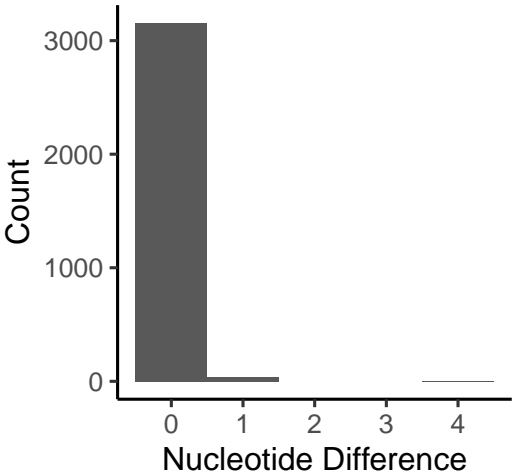
TRBV5-3\*ap01

489 sequences assigned  
486 (99.4%) exact matches, in which:  
482 unique CDR3  
13 unique J



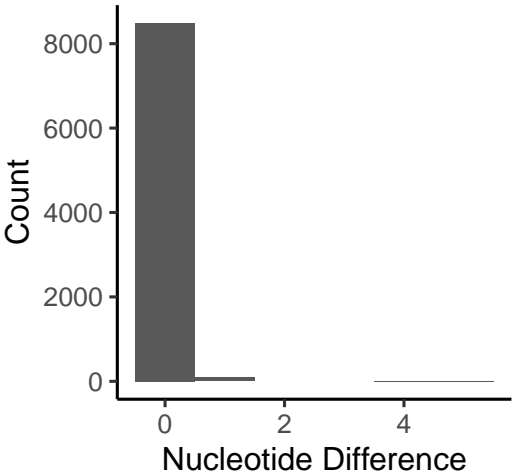
TRBV24-1\*ap01

3195 sequences assigned  
3155 (98.7%) exact matches, in which:  
3109 unique CDR3  
13 unique J



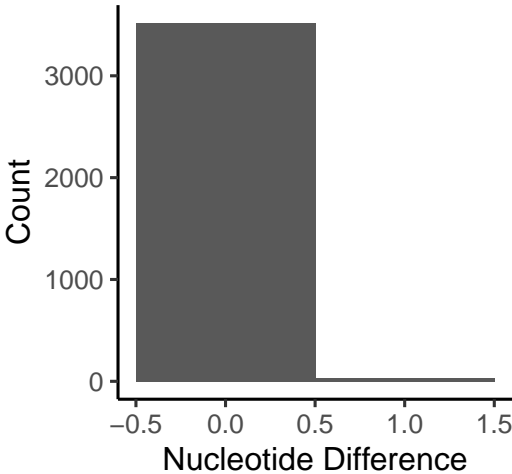
TRBV5-1\*ap01

8586 sequences assigned  
8489 (98.9%) exact matches, in which:  
8388 unique CDR3  
13 unique J



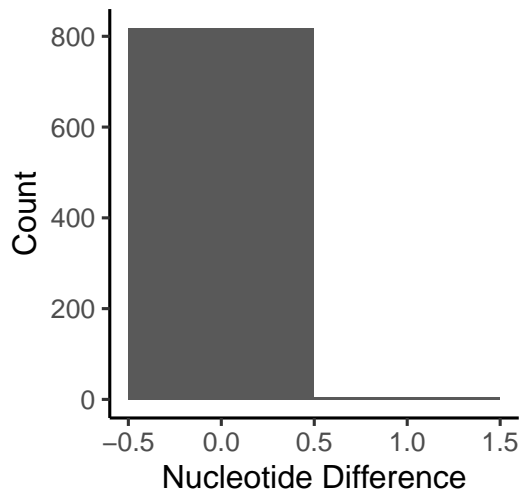
TRBV5-4\*ap01

3553 sequences assigned  
3518 (99%) exact matches, in which:  
3472 unique CDR3  
13 unique J



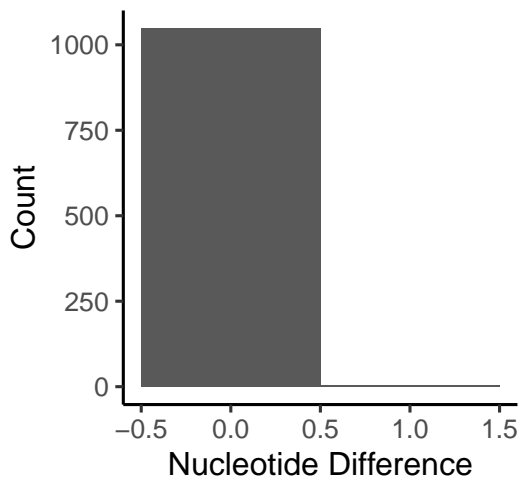
### TRBV5-5\*ap01

824 sequences assigned  
819 (99.4%) exact matches, in which:  
814 unique CDR3  
13 unique J



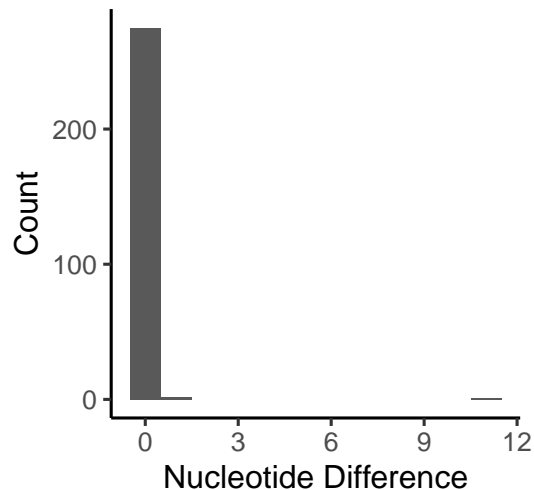
### TRBV5-8\*ap01

1052 sequences assigned  
1048 (99.6%) exact matches, in which:  
1040 unique CDR3  
13 unique J



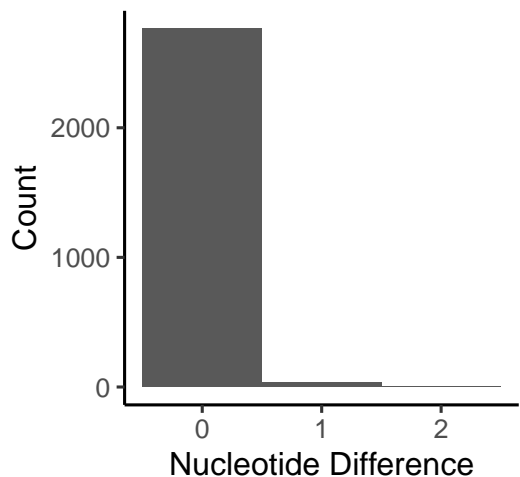
### TRBV6-7\*ap01

278 sequences assigned  
275 (98.9%) exact matches, in which:  
262 unique CDR3  
14 unique J



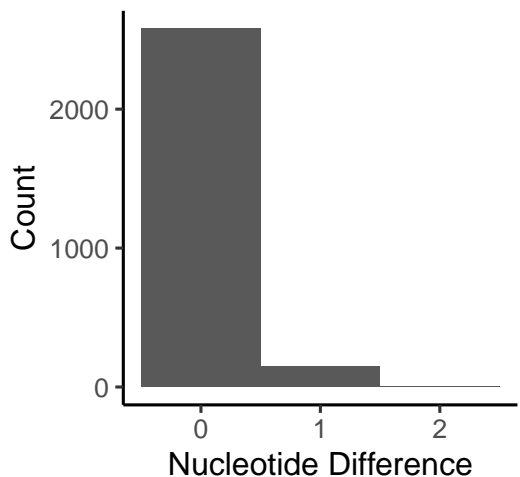
### TRBV5-6\*ap01

2796 sequences assigned  
2764 (98.9%) exact matches, in which:  
2712 unique CDR3  
13 unique J



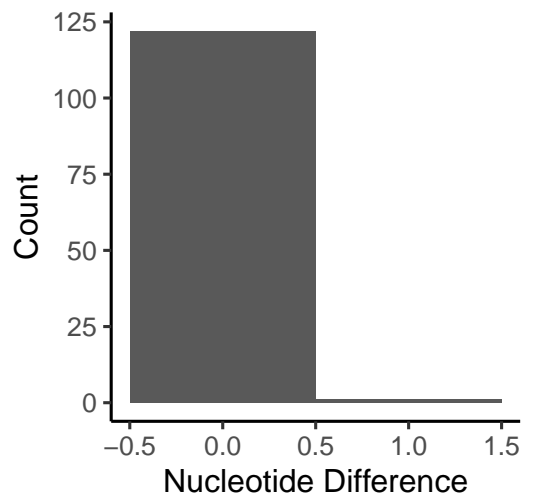
### TRBV6-1\*ap01

2727 sequences assigned  
2579 (94.6%) exact matches, in which:  
2533 unique CDR3  
13 unique J



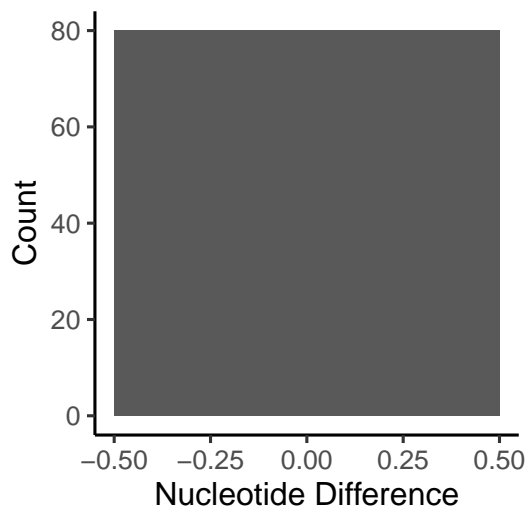
### TRBV6-8\*ap01

123 sequences assigned  
122 (99.2%) exact matches, in which:  
121 unique CDR3  
12 unique J



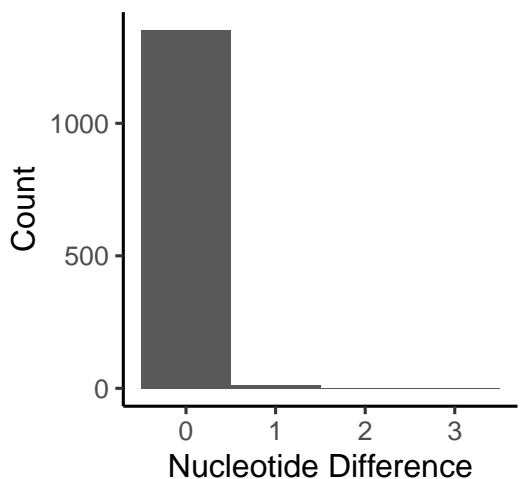
### TRBV5-7\*ap01

80 sequences assigned  
80 (100%) exact matches, in which:  
78 unique CDR3  
10 unique J



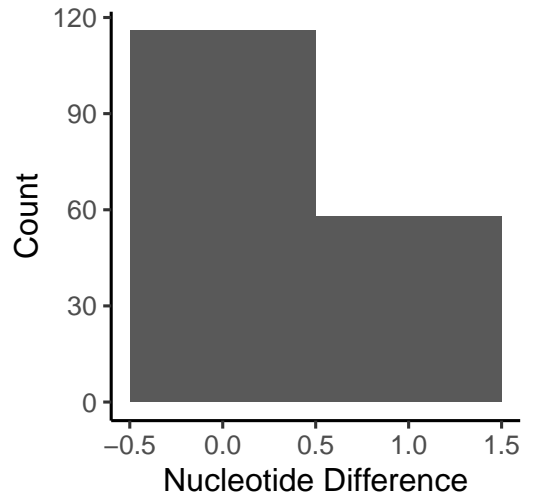
### TRBV6-4\*ap01

1368 sequences assigned  
1352 (98.8%) exact matches, in which:  
1345 unique CDR3  
13 unique J



### TRBV6-9\*ap01

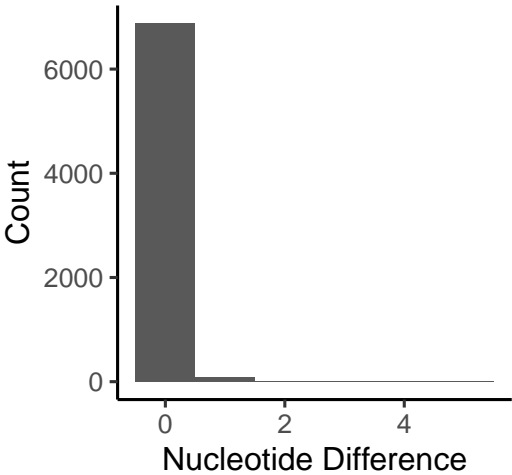
174 sequences assigned  
116 (66.7%) exact matches, in which:  
112 unique CDR3  
12 unique J





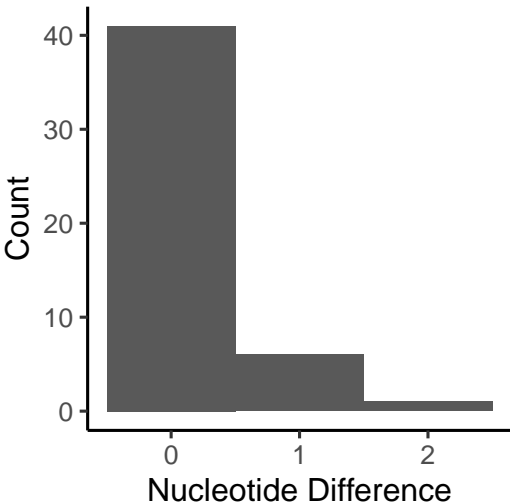
TRBV6-23\*ap01

6963 sequences assigned  
6877 (98.8%) exact matches, in which:  
6750 unique CDR3  
13 unique J



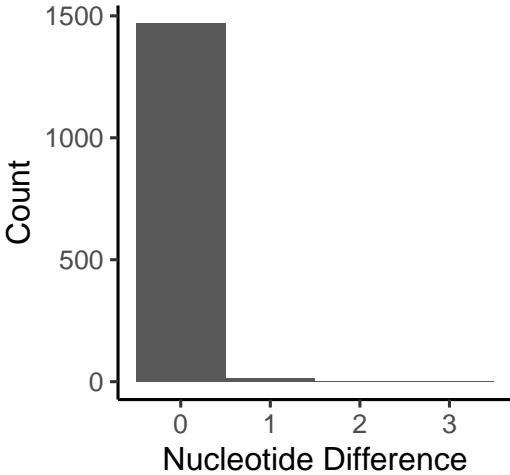
TRBV7-1\*ap01\_G291C\_T

48 sequences assigned  
41 (85.4%) exact matches, in which:  
41 unique CDR3  
9 unique J



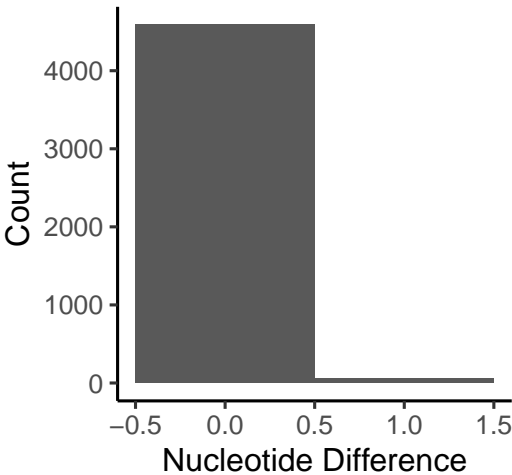
TRBV7-3\*ap01

1485 sequences assigned  
1469 (98.9%) exact matches, in which:  
1459 unique CDR3  
13 unique J



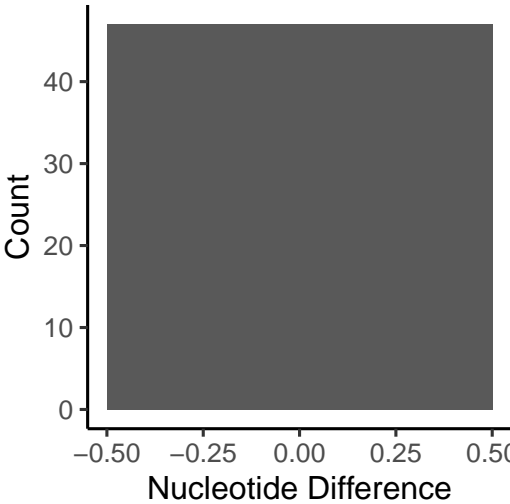
TRBV6-56\*ap01

4648 sequences assigned  
4589 (98.7%) exact matches, in which:  
4520 unique CDR3  
13 unique J



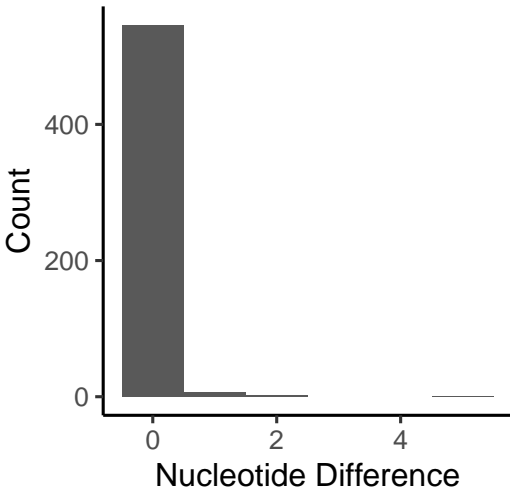
TRBV7-1\*ap01\_G291C\_T

47 sequences assigned  
47 (100%) exact matches, in which:  
47 unique CDR3  
11 unique J



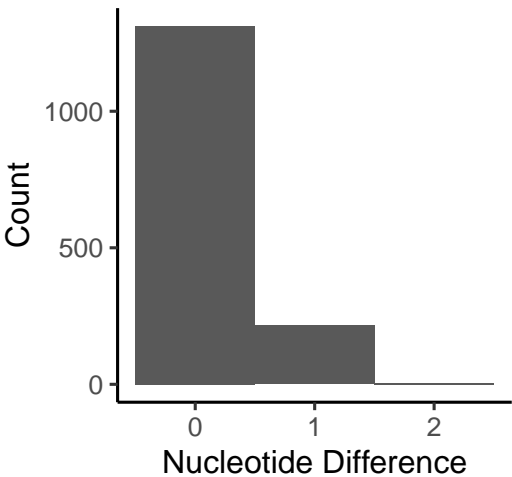
TRBV7-3\*ap02

555 sequences assigned  
546 (98.4%) exact matches, in which:  
542 unique CDR3  
13 unique J



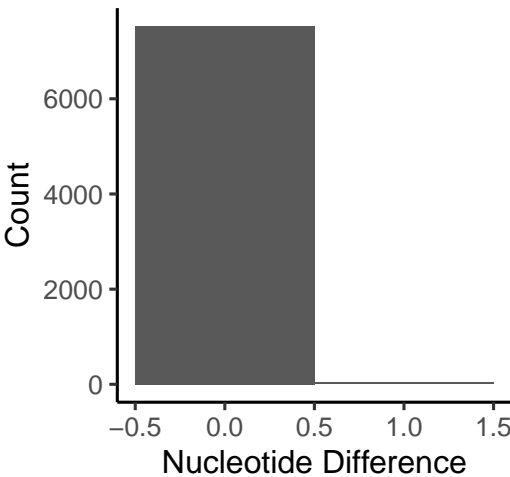
TRBV6-56\*ap02

1534 sequences assigned  
1312 (85.5%) exact matches, in which:  
1289 unique CDR3  
13 unique J



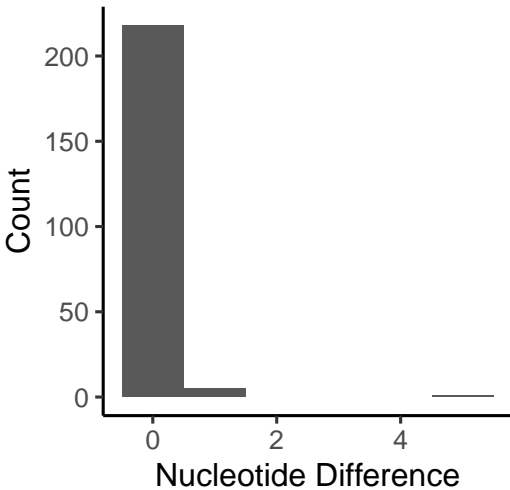
TRBV7-2\*ap01

7568 sequences assigned  
7529 (99.5%) exact matches, in which:  
7467 unique CDR3  
13 unique J



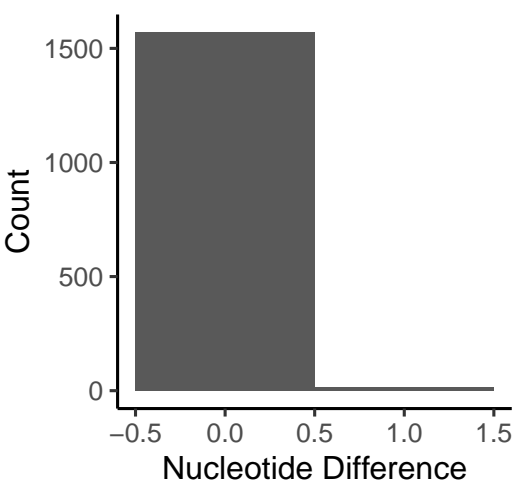
TRBV7-4\*ap01

224 sequences assigned  
218 (97.3%) exact matches, in which:  
215 unique CDR3  
13 unique J



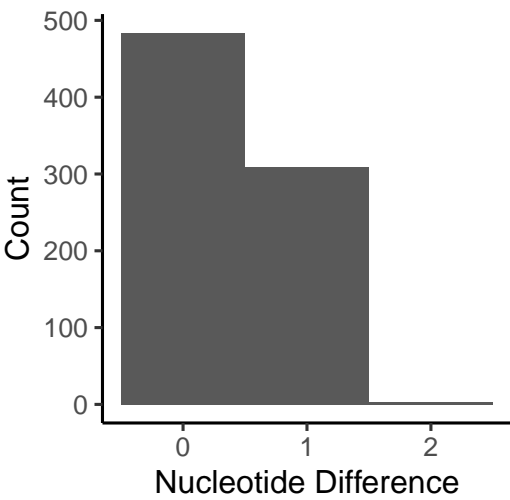
TRBV7-6\*ap01

1586 sequences assigned  
1570 (99%) exact matches, in which:  
1562 unique CDR3  
13 unique J



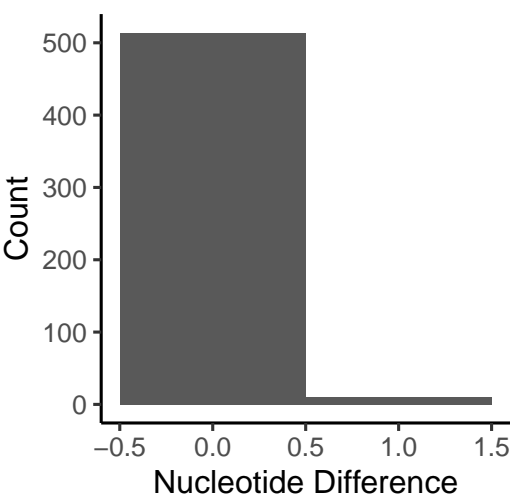
TRBV7-8\*ap03

796 sequences assigned  
484 (60.8%) exact matches, in which:  
479 unique CDR3  
13 unique J



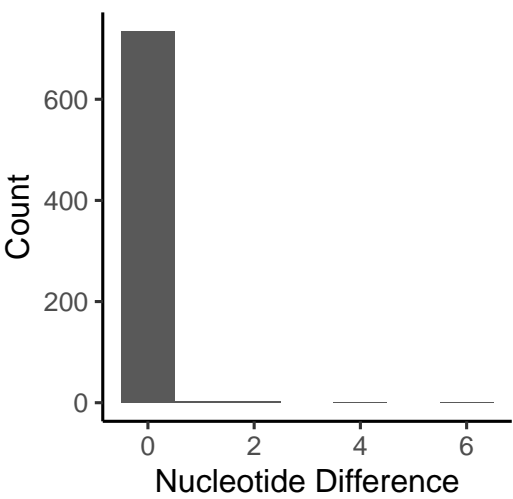
TRBV29-1\*ap02

524 sequences assigned  
514 (98.1%) exact matches, in which:  
504 unique CDR3  
13 unique J



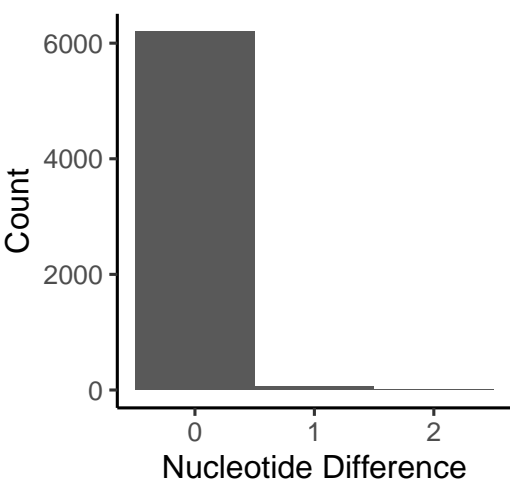
TRBV7-7\*ap01

741 sequences assigned  
735 (99.2%) exact matches, in which:  
732 unique CDR3  
13 unique J



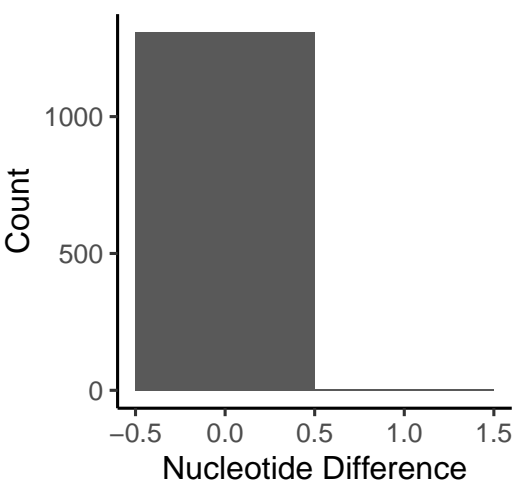
TRBV7-9\*ap01

6259 sequences assigned  
6198 (99%) exact matches, in which:  
6151 unique CDR3  
13 unique J



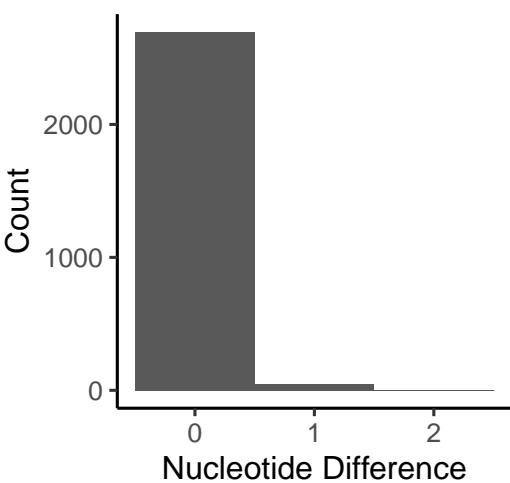
TRBV7-8\*ap01

1314 sequences assigned  
1309 (99.6%) exact matches, in which:  
1296 unique CDR3  
13 unique J

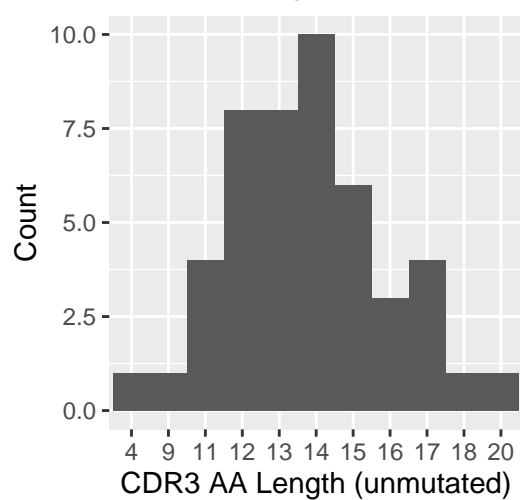


TRBV29-1\*ap01

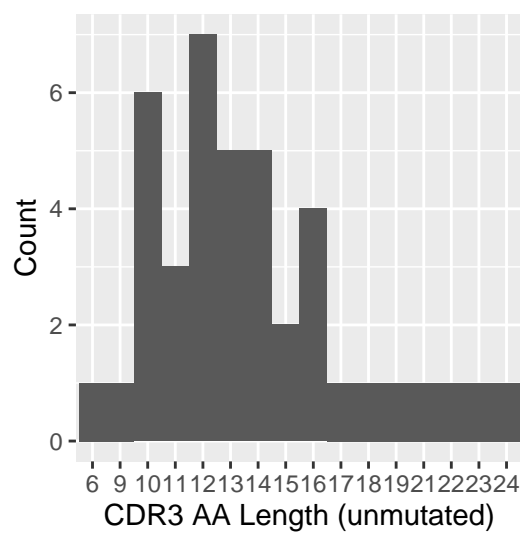
2743 sequences assigned  
2695 (98.3%) exact matches, in which:  
2627 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C





[illegible]