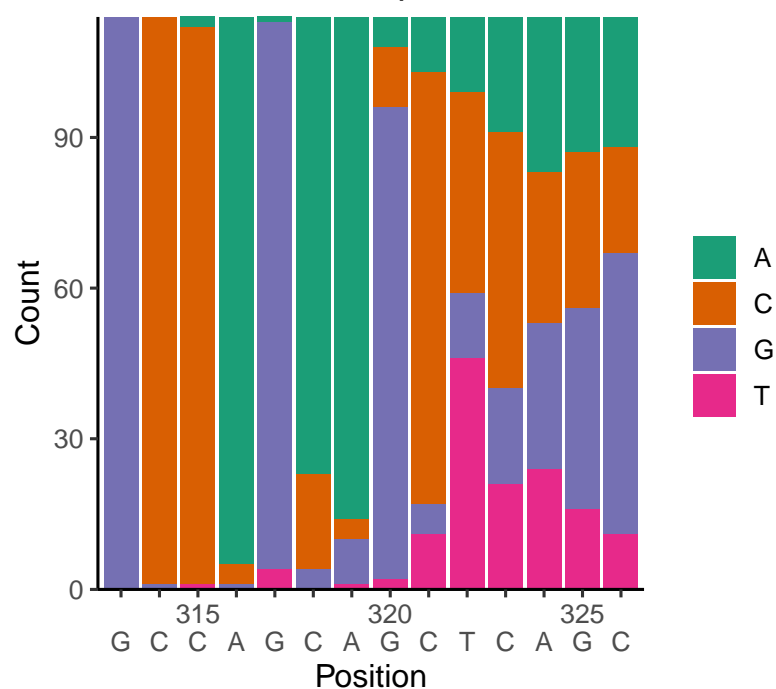
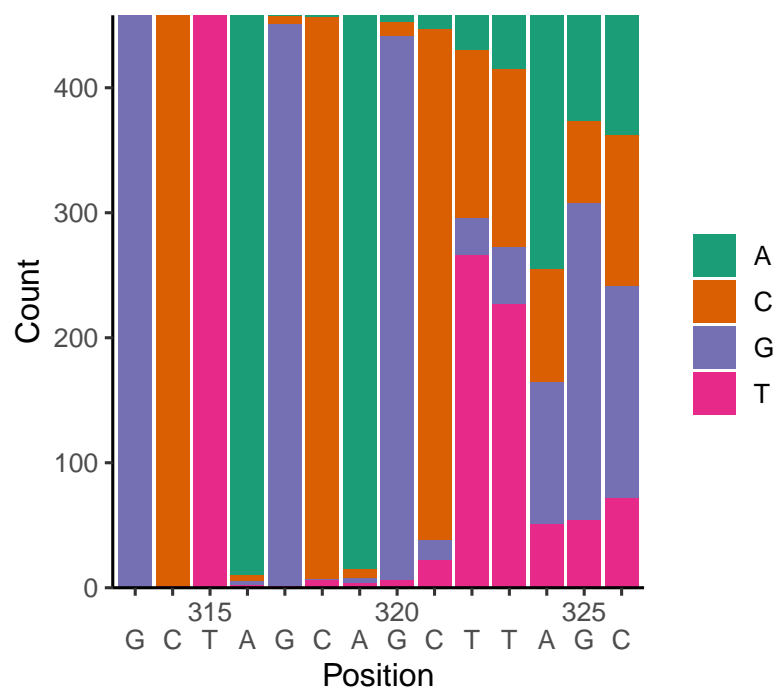


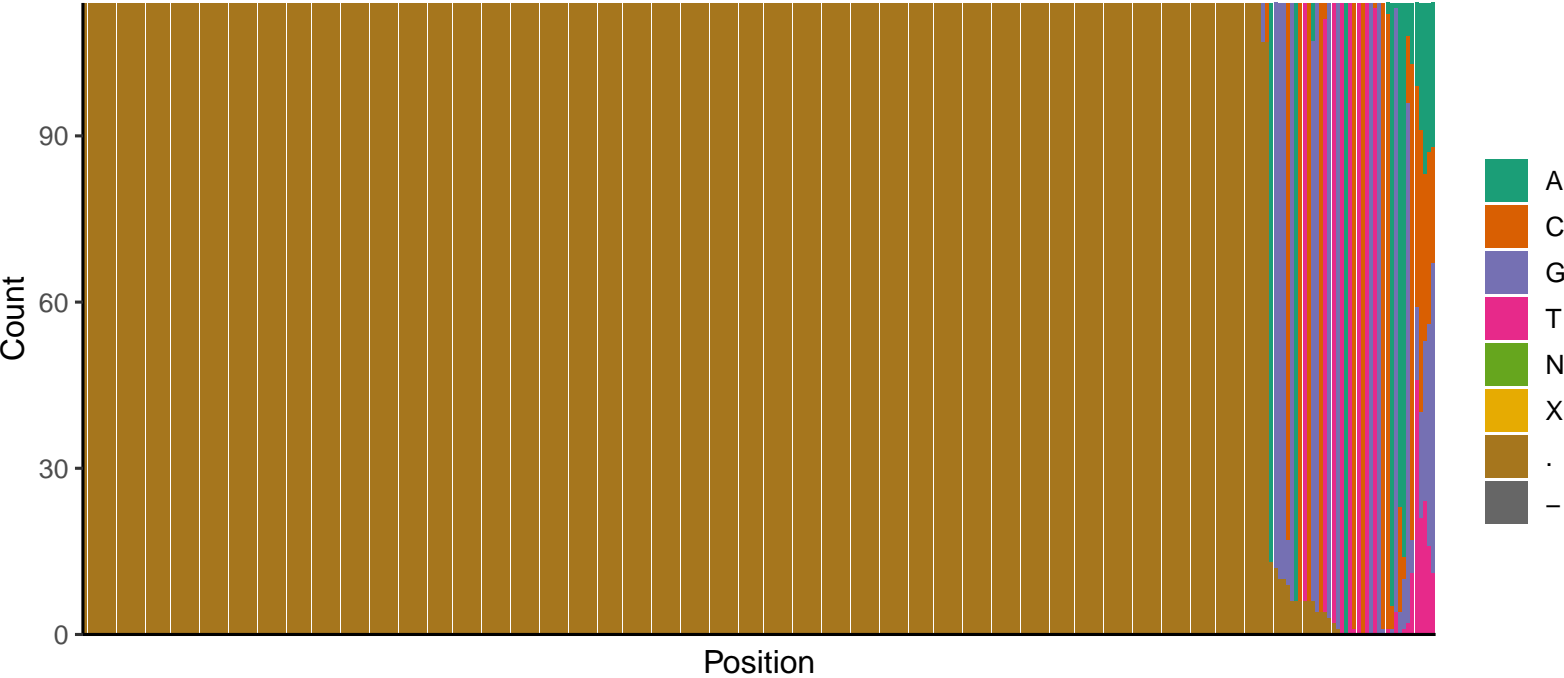
Gene TRBV7-1\*ap01\_T296C



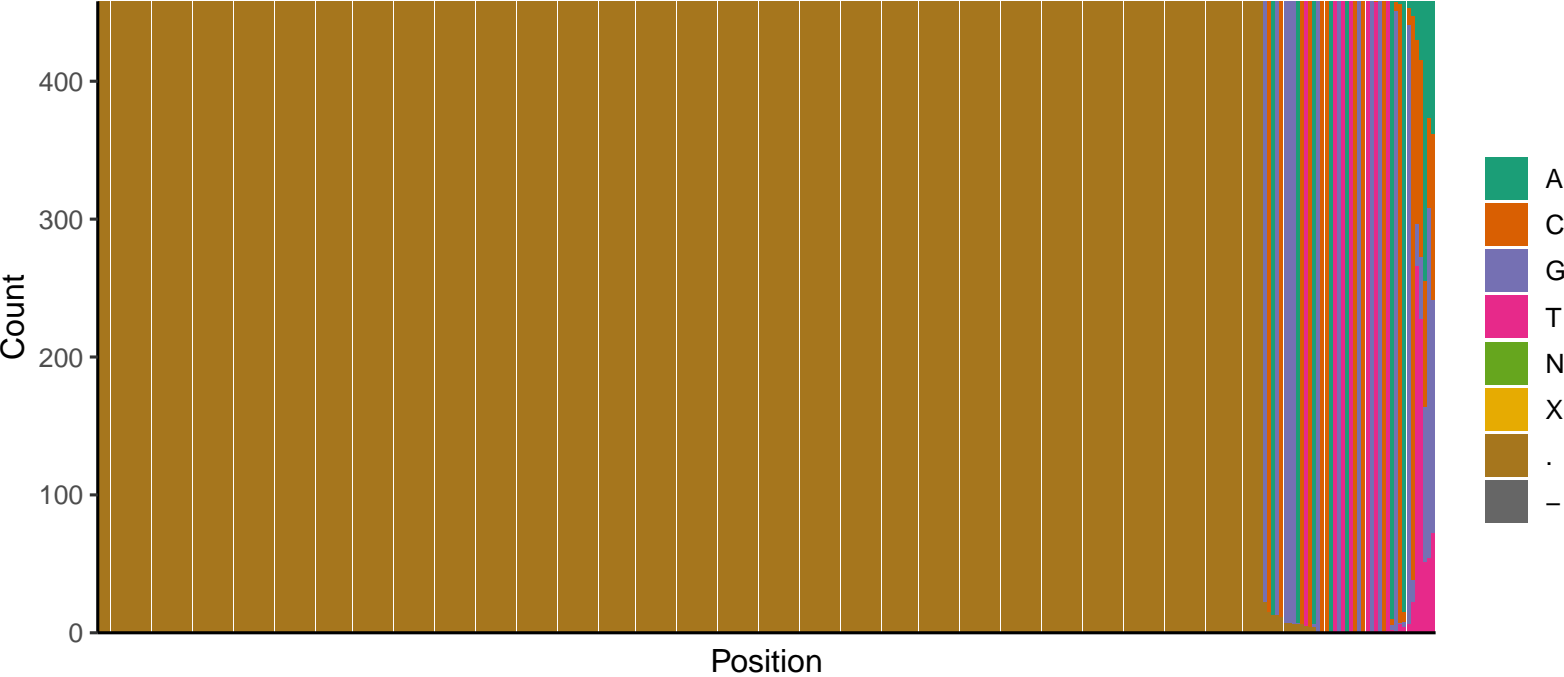
Gene TRBV7-7\*ap01\_C315T



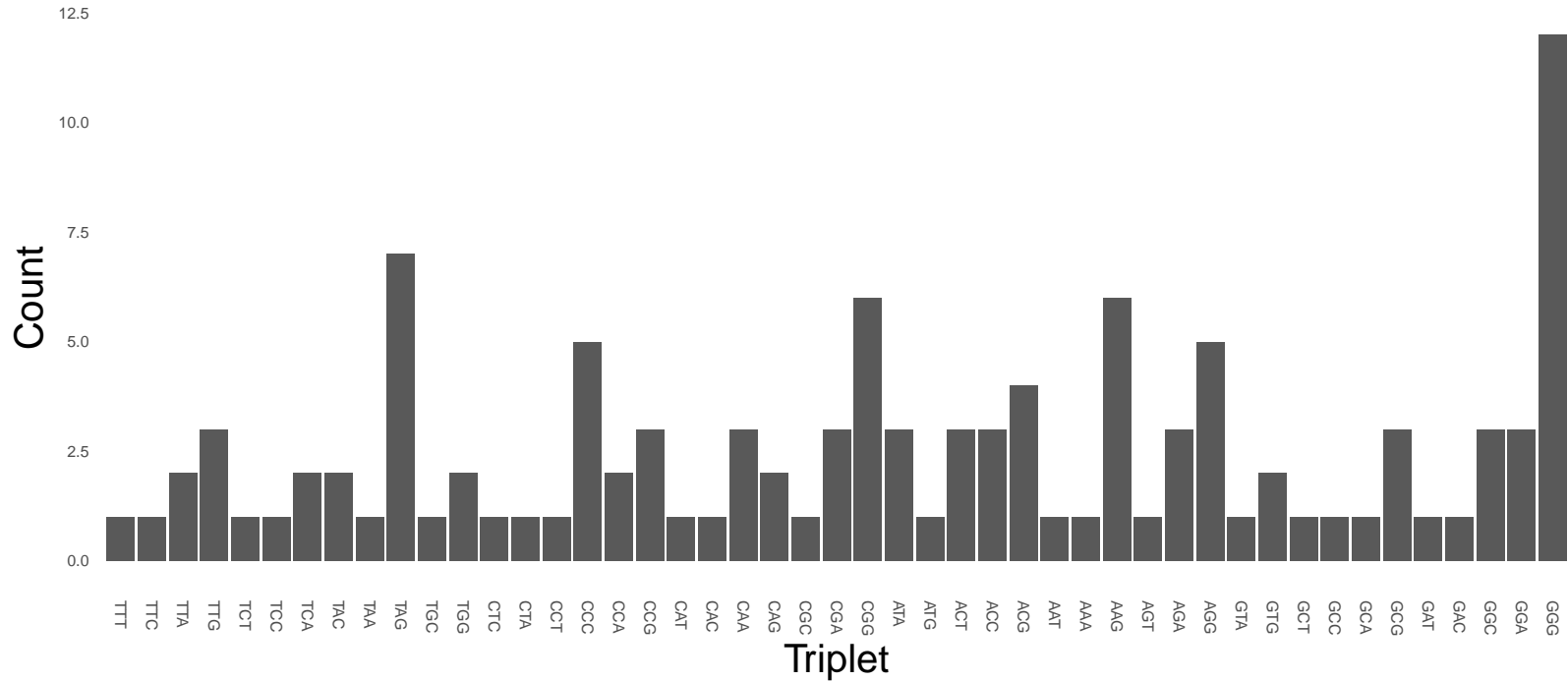
Gene TRBV7-1\*ap01\_T296C



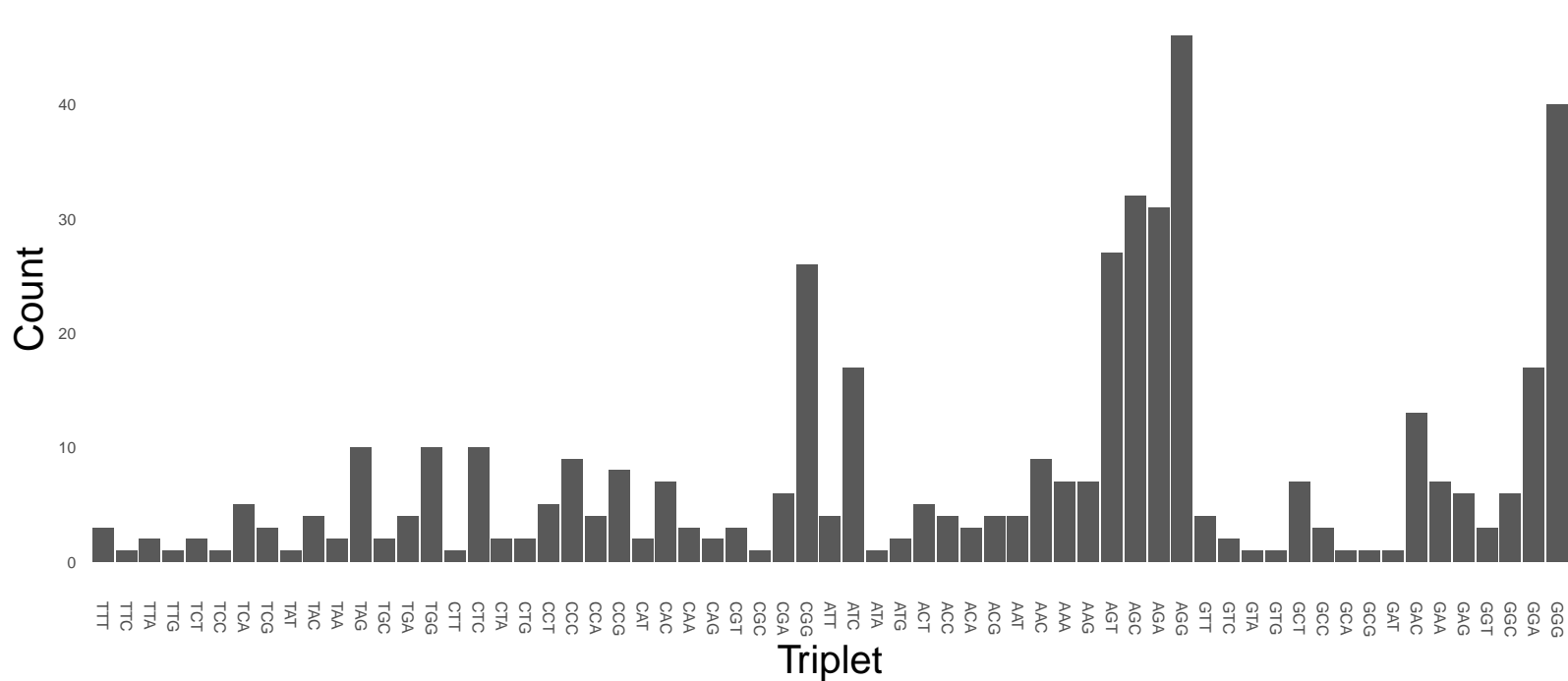
Gene TRBV7-7\*ap01\_C315T



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

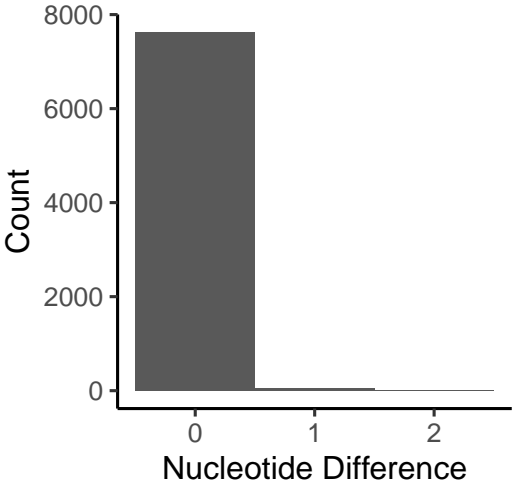


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



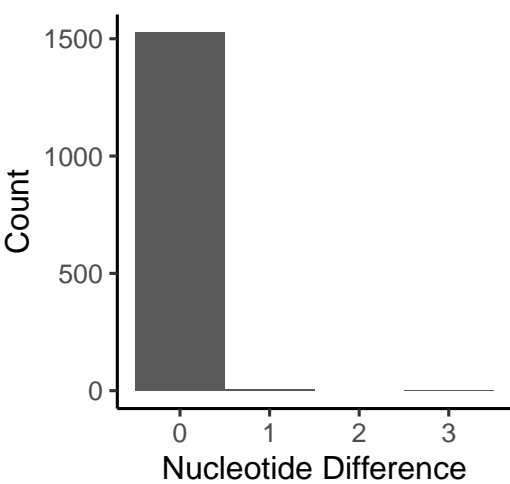
TRBV20-1\*ap01

7667 sequences assigned  
7621 (99.4%) exact matches, in which:  
7508 unique CDR3  
13 unique J



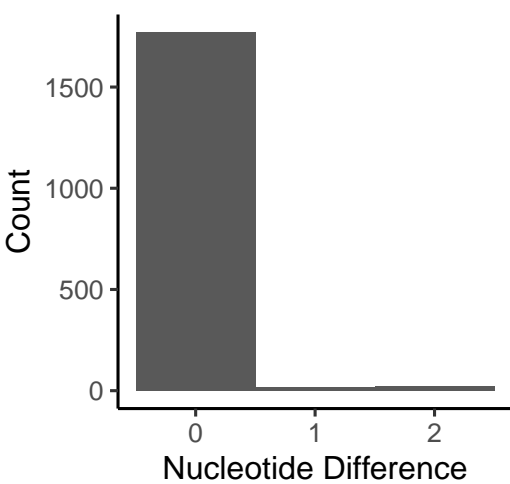
TRBV10-2\*ap01

1535 sequences assigned  
1527 (99.5%) exact matches, in which:  
1495 unique CDR3  
13 unique J



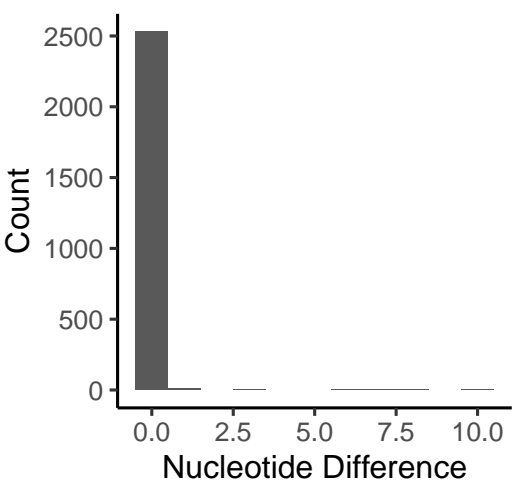
TRBV13\*ap01

1807 sequences assigned  
1770 (98%) exact matches, in which:  
1710 unique CDR3  
13 unique J



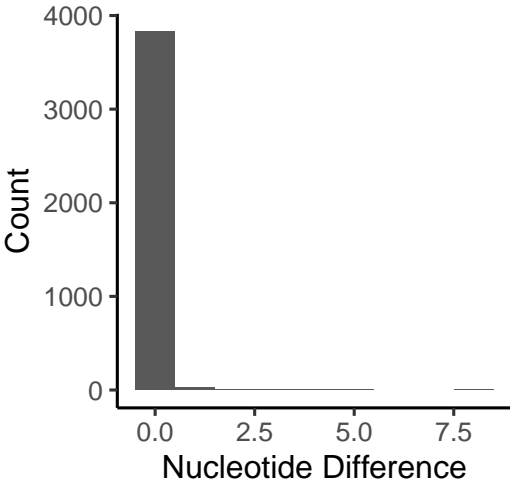
TRBV10-1\*ap01

2547 sequences assigned  
2530 (99.3%) exact matches, in which:  
2488 unique CDR3  
13 unique J



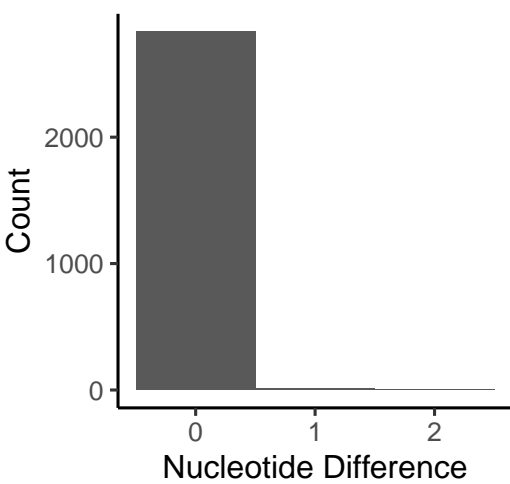
TRBV10-3\*ap01

3864 sequences assigned  
3827 (99%) exact matches, in which:  
3769 unique CDR3  
13 unique J



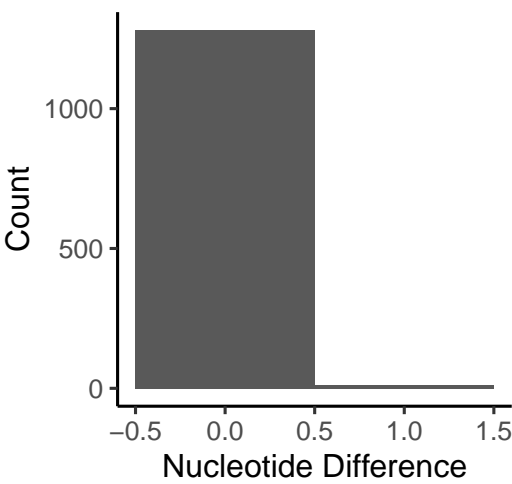
TRBV14\*ap01

2848 sequences assigned  
2834 (99.5%) exact matches, in which:  
2781 unique CDR3  
13 unique J



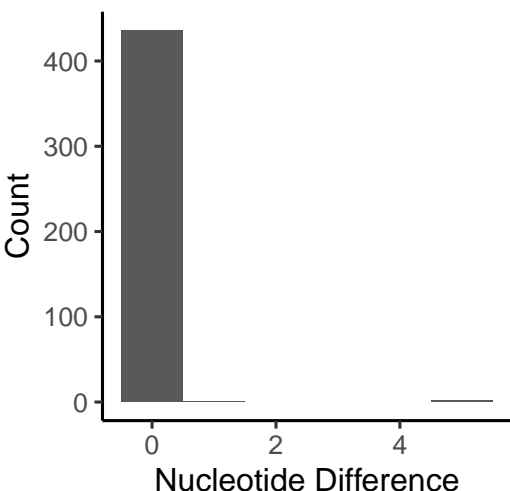
TRBV20-1\*ap02

1293 sequences assigned  
1281 (99.1%) exact matches, in which:  
1260 unique CDR3  
13 unique J



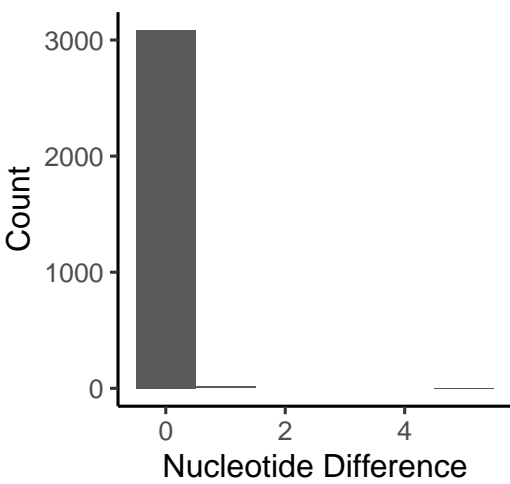
TRBV1\*ap01

439 sequences assigned  
436 (99.3%) exact matches, in which:  
426 unique CDR3  
13 unique J



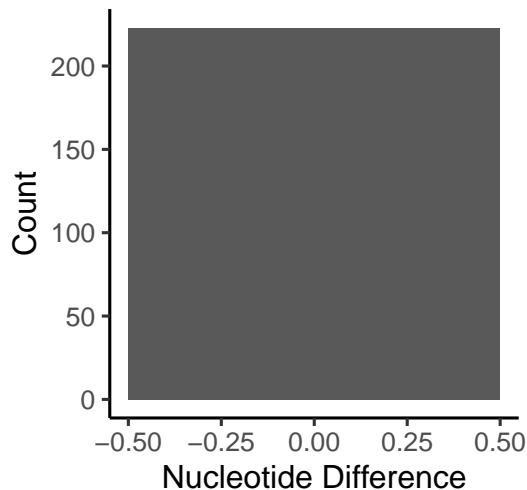
TRBV15\*ap02

3103 sequences assigned  
3086 (99.5%) exact matches, in which:  
3020 unique CDR3  
13 unique J



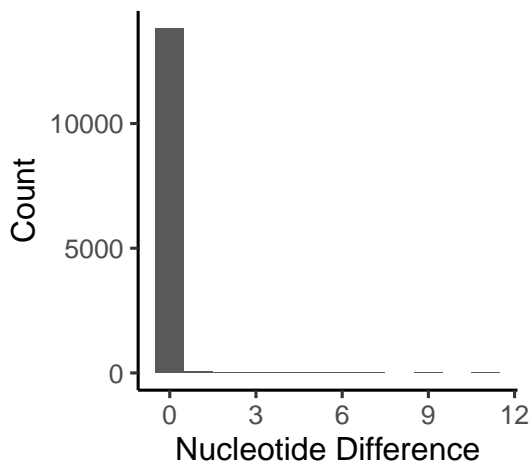
### TRBV16\*ap01

223 sequences assigned  
223 (100%) exact matches, in which:  
221 unique CDR3  
13 unique J



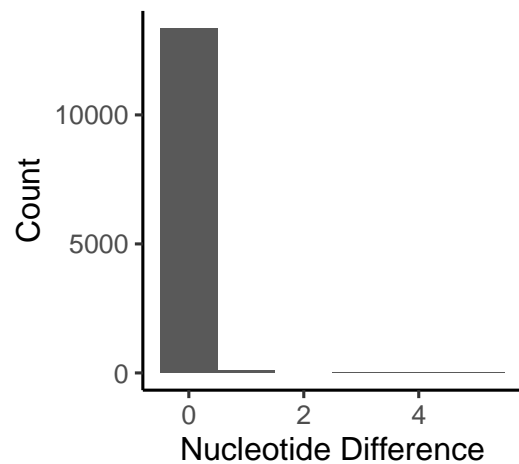
### TRBV19\*ap01

13918 sequences assigned  
13823 (99.3%) exact matches, in which:  
13694 unique CDR3  
13 unique J



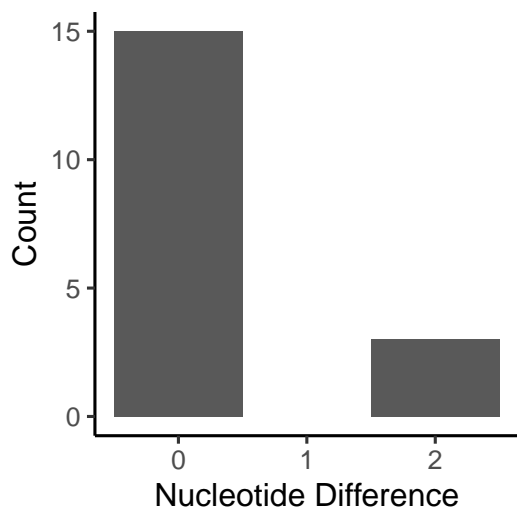
### TRBV27\*ap01

13450 sequences assigned  
13362 (99.3%) exact matches, in which:  
13066 unique CDR3  
13 unique J



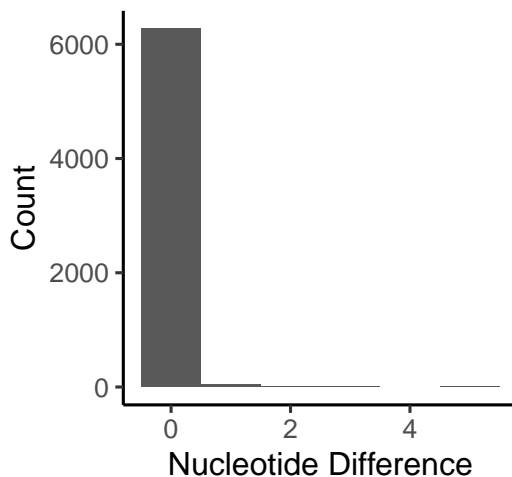
### TRBV17\*ap01

18 sequences assigned  
15 (83.3%) exact matches, in which:  
15 unique CDR3  
9 unique J



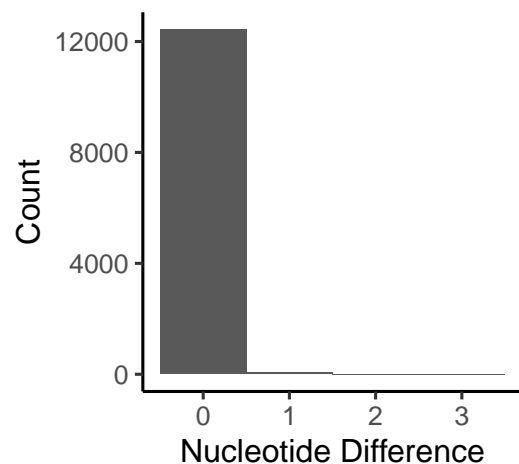
### TRBV2\*ap01

6321 sequences assigned  
6272 (99.2%) exact matches, in which:  
6163 unique CDR3  
13 unique J



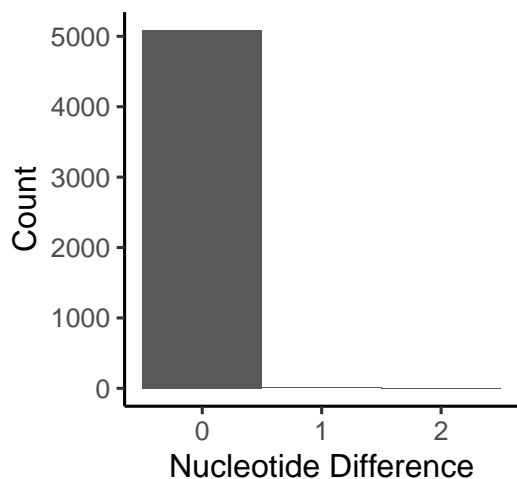
### TRBV28\*ap01

12506 sequences assigned  
12434 (99.4%) exact matches, in which:  
12252 unique CDR3  
13 unique J



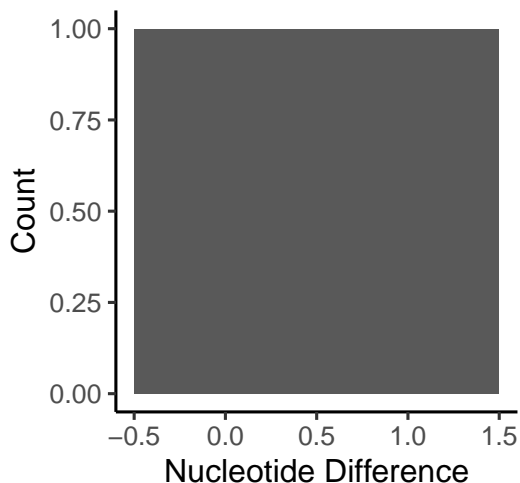
### TRBV18\*ap01

5102 sequences assigned  
5089 (99.7%) exact matches, in which:  
5029 unique CDR3  
13 unique J



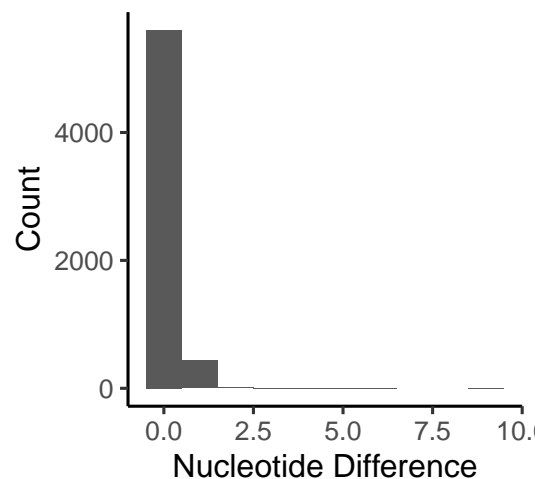
### TRBV26\*ap01

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



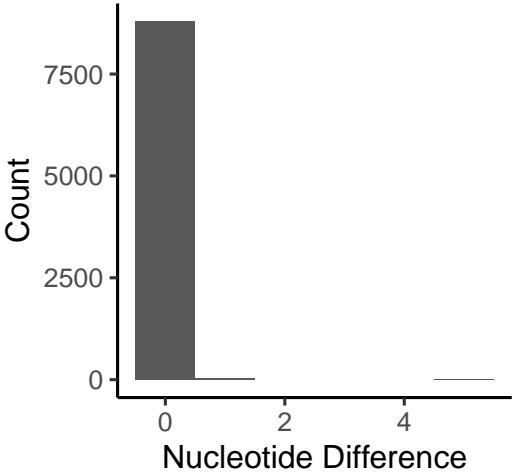
### TRBV30\*ap01

6058 sequences assigned  
5602 (92.5%) exact matches, in which:  
5461 unique CDR3  
13 unique J



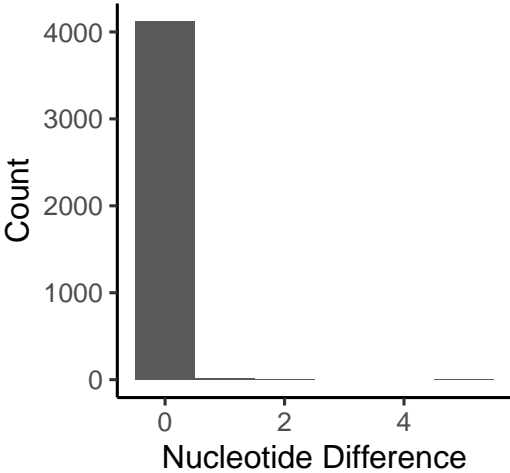
TRBV9\*ap01

8839 sequences assigned  
8792 (99.5%) exact matches, in which:  
8670 unique CDR3  
13 unique J



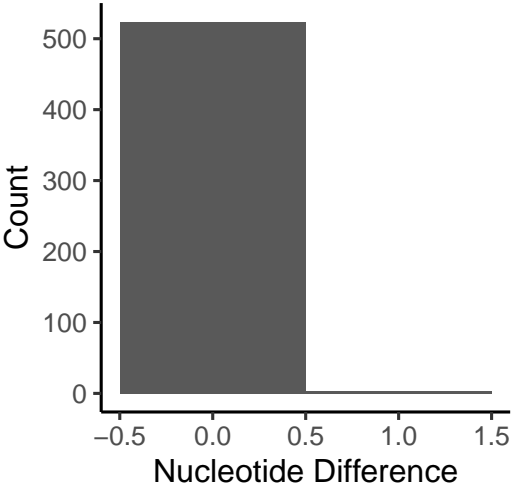
TRBV11-2\*ap01

4135 sequences assigned  
4121 (99.7%) exact matches, in which:  
4085 unique CDR3  
13 unique J



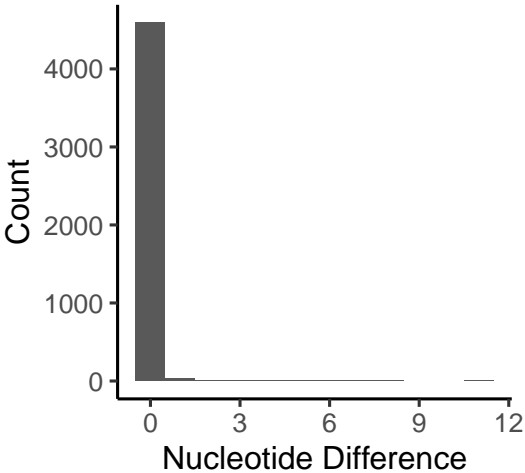
TRBV12-2\*ap01

527 sequences assigned  
524 (99.4%) exact matches, in which:  
515 unique CDR3  
13 unique J



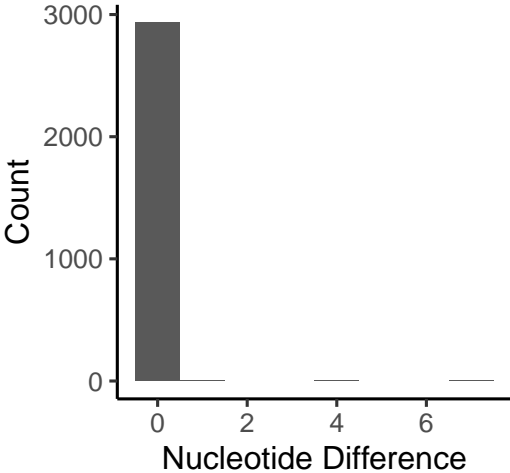
TRBV21-1\*ap01

4644 sequences assigned  
4592 (98.9%) exact matches, in which:  
4535 unique CDR3  
13 unique J



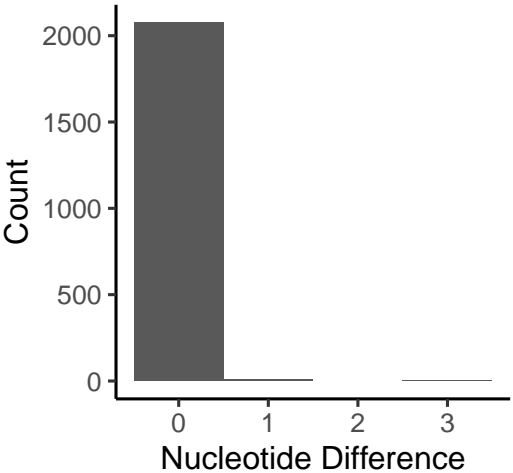
TRBV11-3\*ap01

2943 sequences assigned  
2933 (99.7%) exact matches, in which:  
2913 unique CDR3  
13 unique J



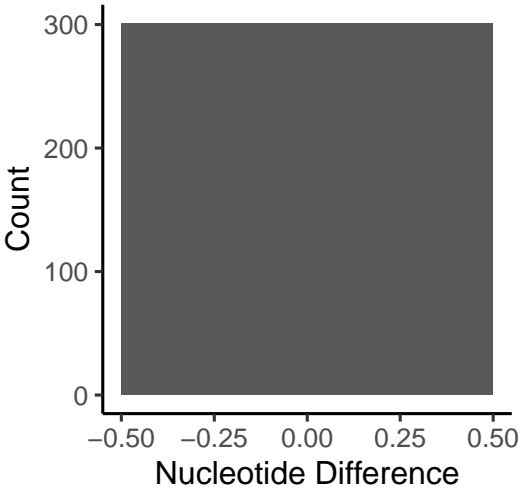
TRBV12-5\*ap01

2085 sequences assigned  
2075 (99.5%) exact matches, in which:  
2046 unique CDR3  
13 unique J



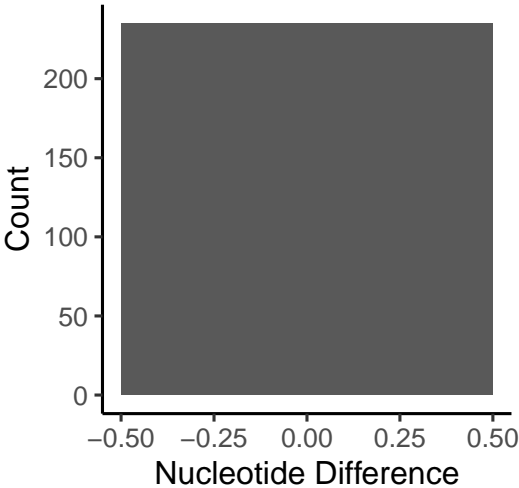
TRBV11-1\*ap01

301 sequences assigned  
301 (100%) exact matches, in which:  
298 unique CDR3  
12 unique J



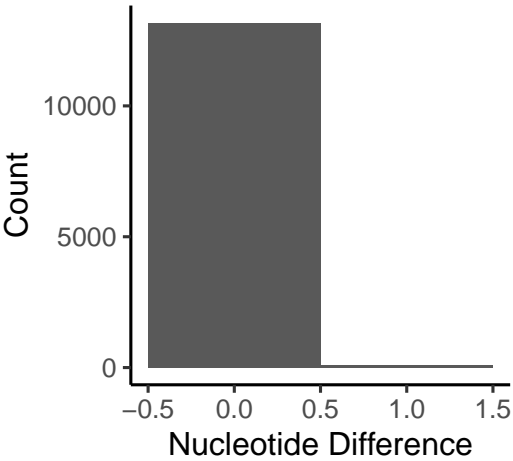
TRBV12-1\*ap01

235 sequences assigned  
235 (100%) exact matches, in which:  
232 unique CDR3  
13 unique J



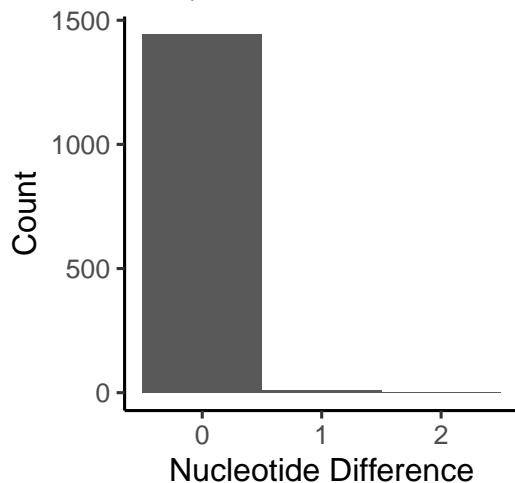
TRBV12-34\*ap01

13257 sequences assigned  
13176 (99.4%) exact matches, in which:  
12959 unique CDR3  
13 unique J



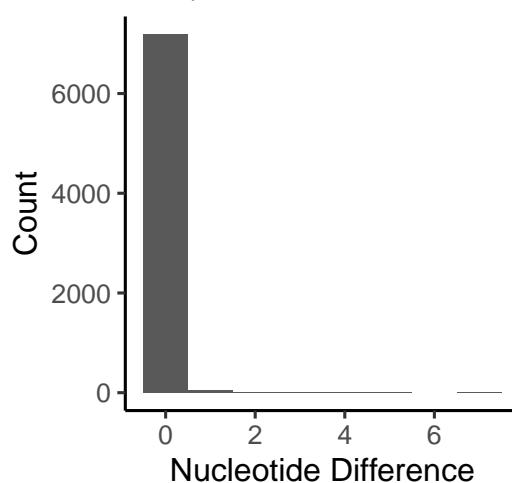
### TRBV23-1\*ap01

1457 sequences assigned  
1443 (99%) exact matches, in which:  
1412 unique CDR3  
13 unique J



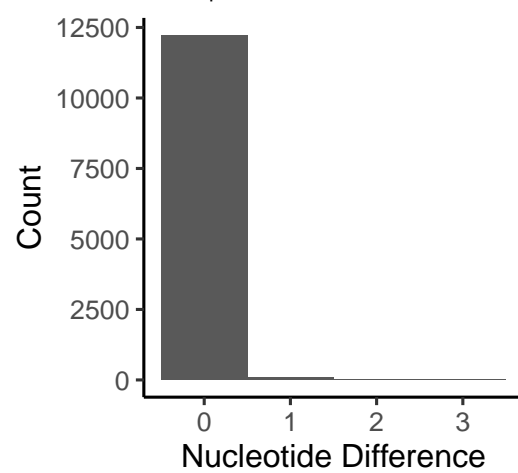
### TRBV24-1\*ap01

7245 sequences assigned  
7186 (99.2%) exact matches, in which:  
7058 unique CDR3  
13 unique J



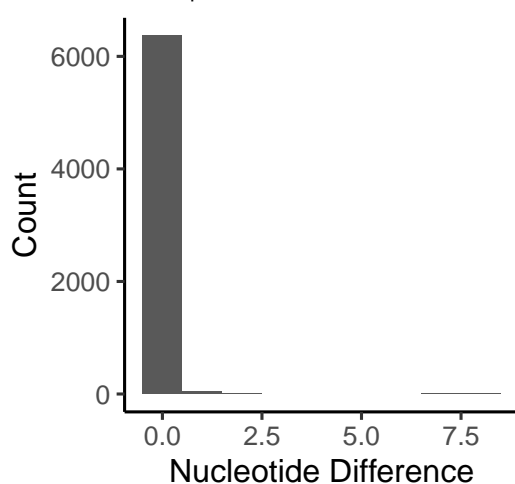
### TRBV5-1\*ap01

12317 sequences assigned  
12228 (99.3%) exact matches, in which:  
11937 unique CDR3  
13 unique J



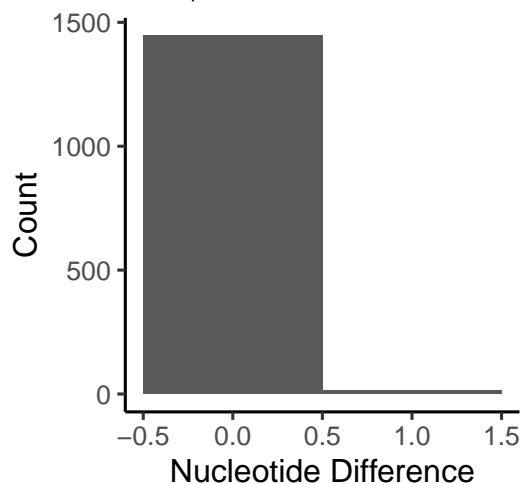
### TRBV3-12\*ap01

6407 sequences assigned  
6367 (99.4%) exact matches, in which:  
6296 unique CDR3  
13 unique J



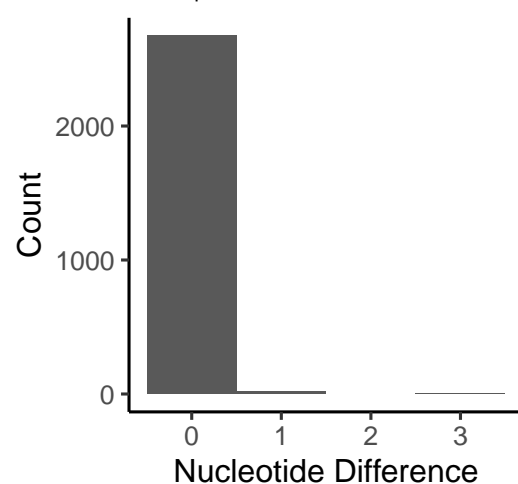
### TRBV4-2\*ap01

1461 sequences assigned  
1446 (99%) exact matches, in which:  
1398 unique CDR3  
13 unique J



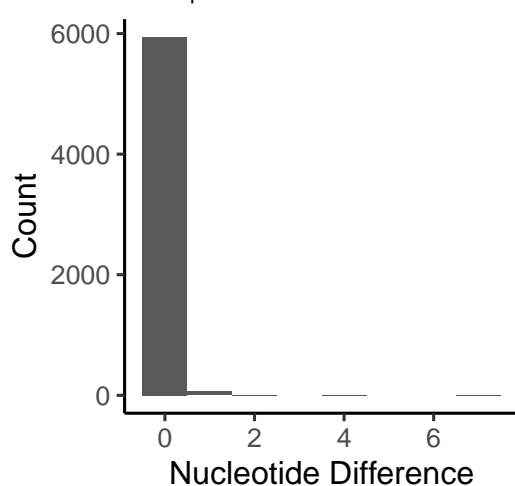
### TRBV25-1\*ap01

2693 sequences assigned  
2674 (99.3%) exact matches, in which:  
2605 unique CDR3  
13 unique J



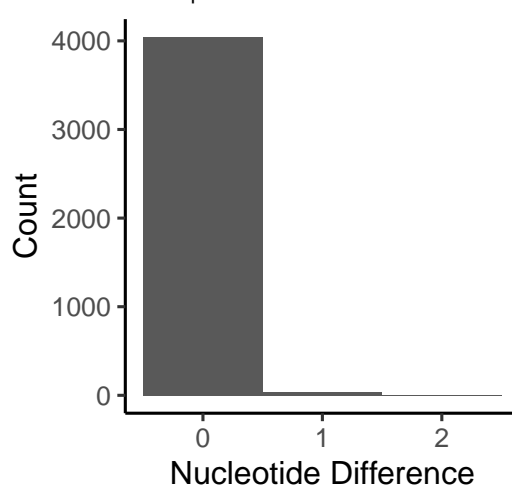
### TRBV4-1\*ap01

6008 sequences assigned  
5943 (98.9%) exact matches, in which:  
5781 unique CDR3  
13 unique J



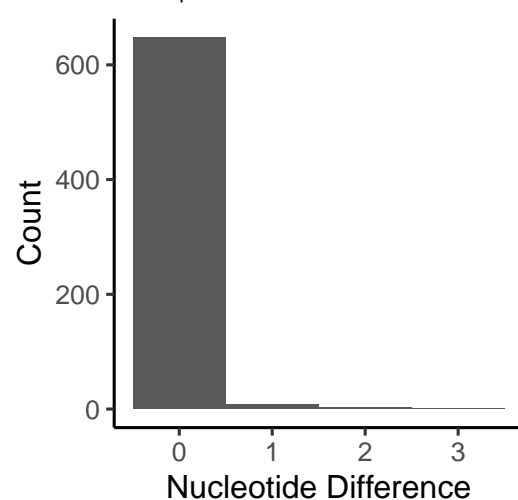
### TRBV4-3\*ap01

4080 sequences assigned  
4043 (99.1%) exact matches, in which:  
3938 unique CDR3  
13 unique J



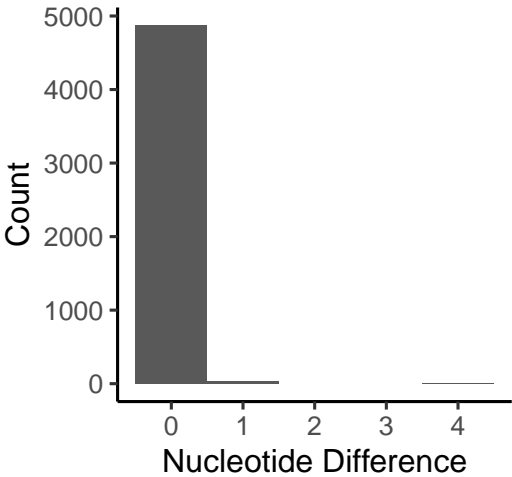
### TRBV5-3\*ap01

659 sequences assigned  
648 (98.3%) exact matches, in which:  
636 unique CDR3  
13 unique J



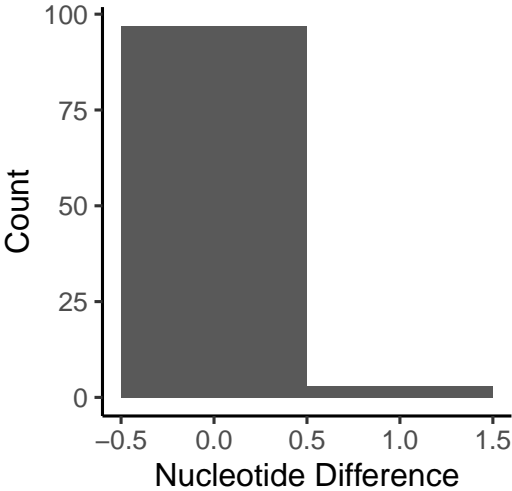
TRBV5-4\*ap01

4907 sequences assigned  
4872 (99.3%) exact matches, in which:  
4751 unique CDR3  
13 unique J



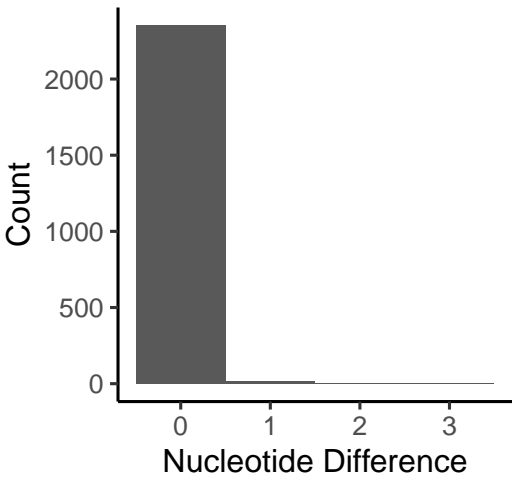
TRBV5-7\*ap01

100 sequences assigned  
97 (97%) exact matches, in which:  
89 unique CDR3  
13 unique J



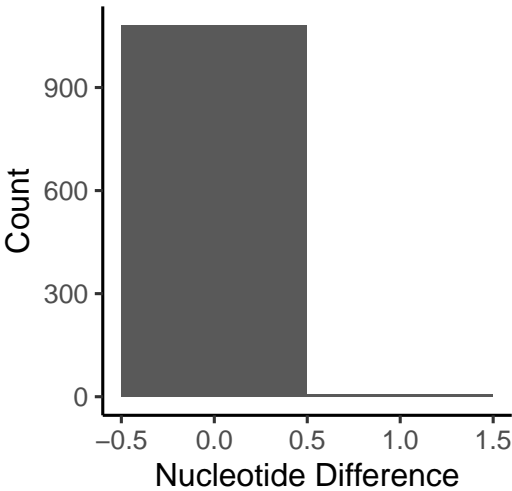
TRBV6-4\*ap01

2373 sequences assigned  
2352 (99.1%) exact matches, in which:  
2316 unique CDR3  
13 unique J



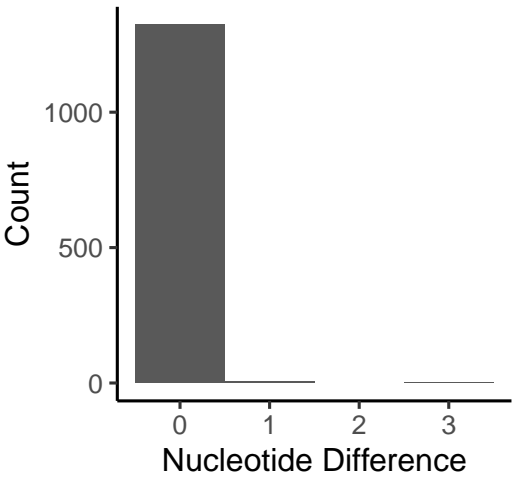
TRBV5-5\*ap01

1089 sequences assigned  
1082 (99.4%) exact matches, in which:  
1074 unique CDR3  
13 unique J



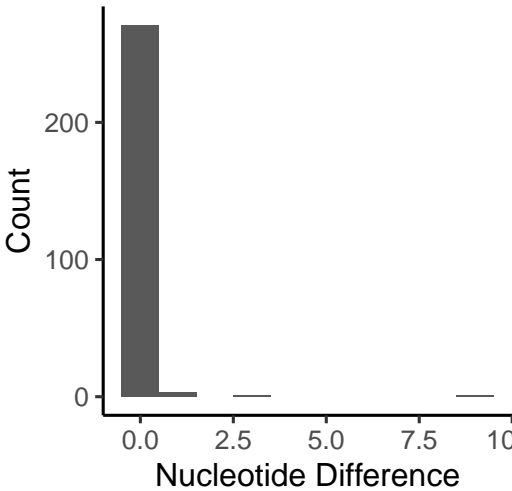
TRBV5-8\*ap01

1331 sequences assigned  
1323 (99.4%) exact matches, in which:  
1297 unique CDR3  
13 unique J



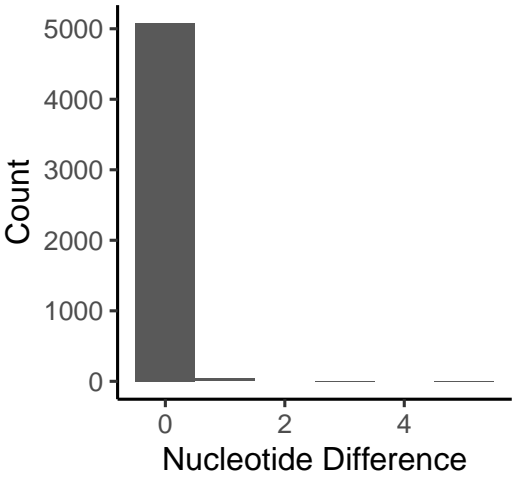
TRBV6-7\*ap01

276 sequences assigned  
271 (98.2%) exact matches, in which:  
260 unique CDR3  
13 unique J



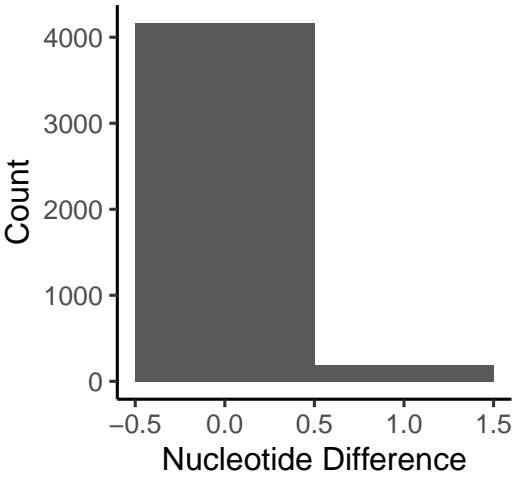
TRBV5-6\*ap01

5125 sequences assigned  
5081 (99.1%) exact matches, in which:  
4904 unique CDR3  
13 unique J



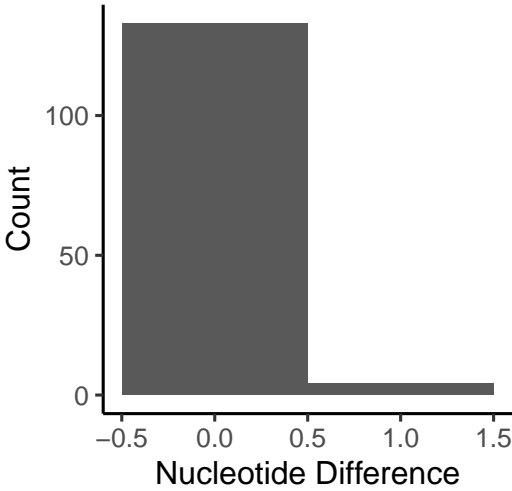
TRBV6-1\*ap01

4358 sequences assigned  
4165 (95.6%) exact matches, in which:  
4073 unique CDR3  
13 unique J



TRBV6-8\*ap01

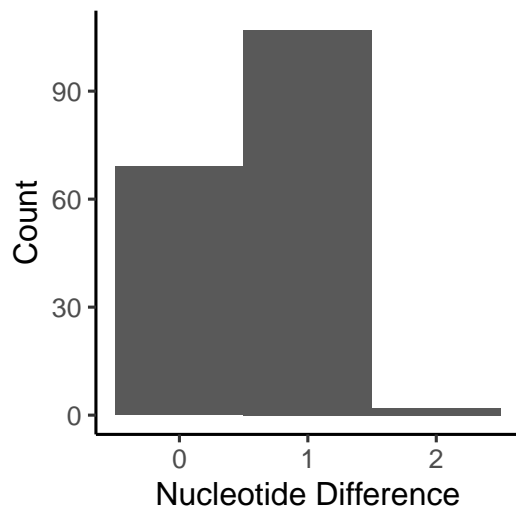
137 sequences assigned  
133 (97.1%) exact matches, in which:  
129 unique CDR3  
11 unique J





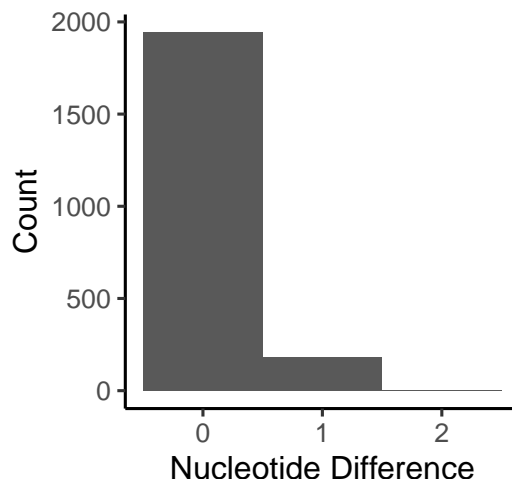
### TRBV6-9\*ap01

178 sequences assigned  
69 (38.8%) exact matches, in which:  
67 unique CDR3  
12 unique J



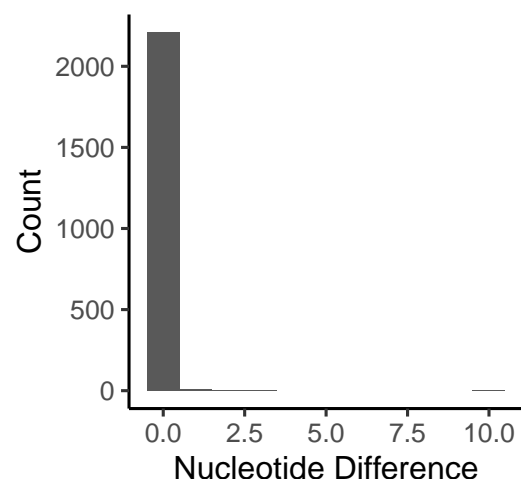
### TRBV6-56\*ap02

2124 sequences assigned  
1943 (91.5%) exact matches, in which:  
1901 unique CDR3  
13 unique J



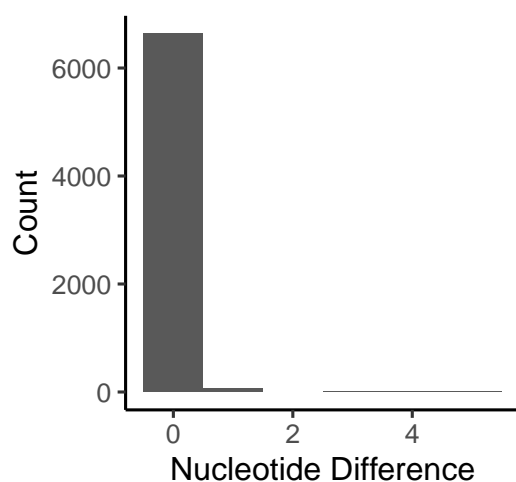
### TRBV7-3\*ap01

2224 sequences assigned  
2209 (99.3%) exact matches, in which:  
2173 unique CDR3  
13 unique J



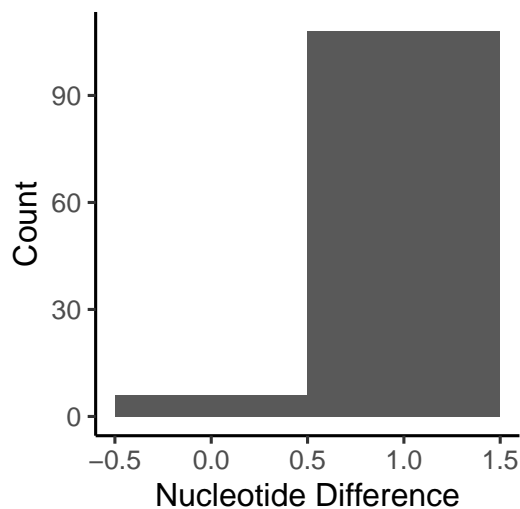
### TRBV6-23\*ap01

6694 sequences assigned  
6635 (99.1%) exact matches, in which:  
6434 unique CDR3  
13 unique J



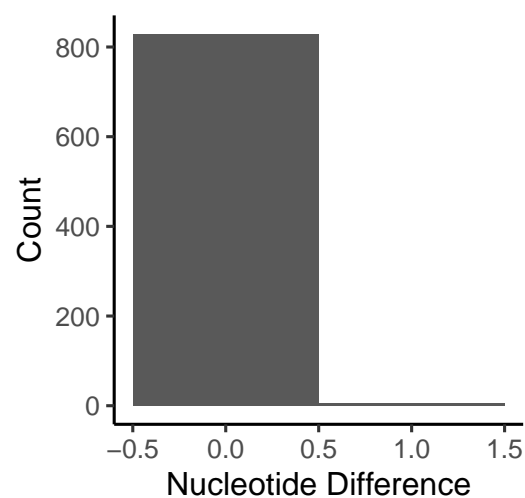
### TRBV7-1\*ap01\_T296C

114 sequences assigned  
6 (5.3%) exact matches, in which:  
6 unique CDR3  
5 unique J



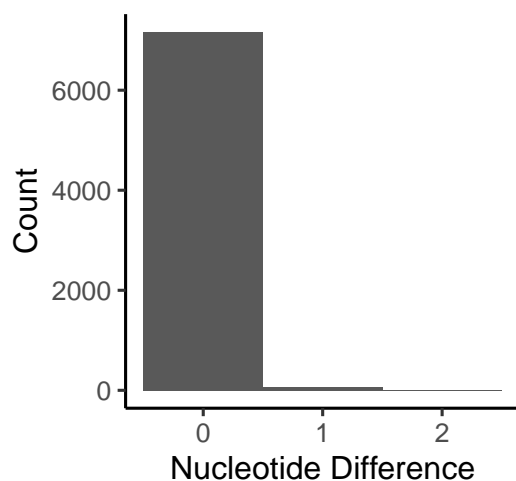
### TRBV7-3\*ap02

834 sequences assigned  
829 (99.4%) exact matches, in which:  
814 unique CDR3  
13 unique J



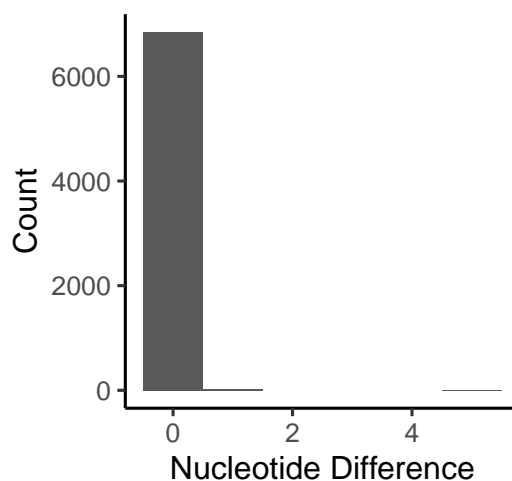
### TRBV6-56\*ap01

7232 sequences assigned  
7163 (99%) exact matches, in which:  
6953 unique CDR3  
13 unique J



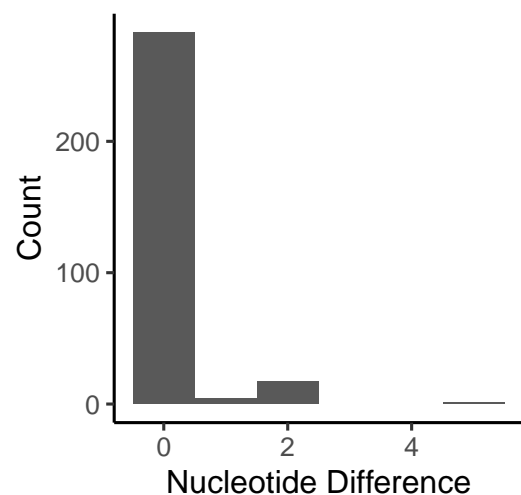
### TRBV7-2\*ap01

6878 sequences assigned  
6847 (99.5%) exact matches, in which:  
6728 unique CDR3  
13 unique J



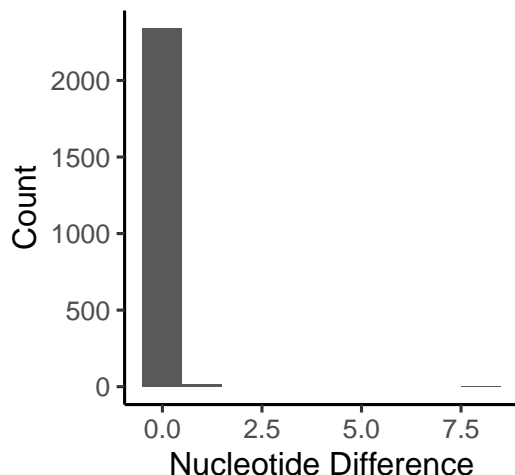
### TRBV7-4\*ap01

305 sequences assigned  
283 (92.8%) exact matches, in which:  
281 unique CDR3  
13 unique J



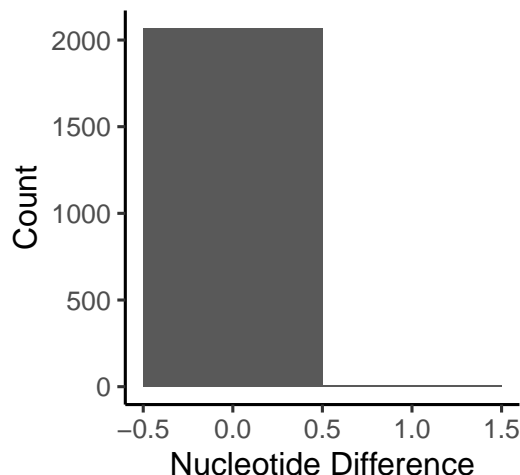
### TRBV7-6\*ap01

2356 sequences assigned  
2340 (99.3%) exact matches, in which:  
2298 unique CDR3  
13 unique J



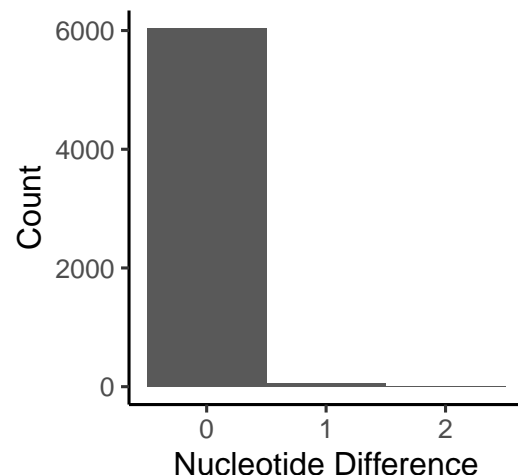
### TRBV7-8\*ap01

2078 sequences assigned  
2067 (99.5%) exact matches, in which:  
2038 unique CDR3  
13 unique J



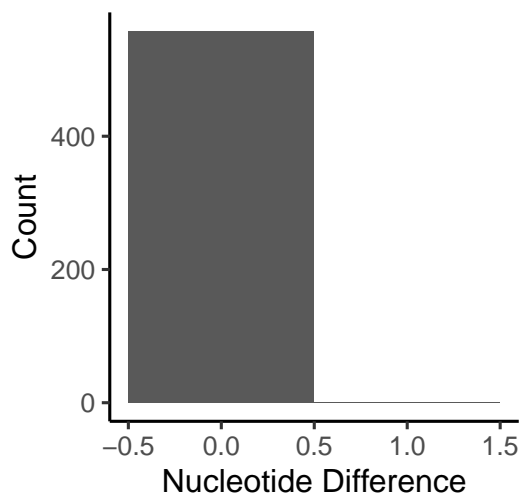
### TRBV29-1\*ap01

6095 sequences assigned  
6036 (99%) exact matches, in which:  
5848 unique CDR3  
13 unique J



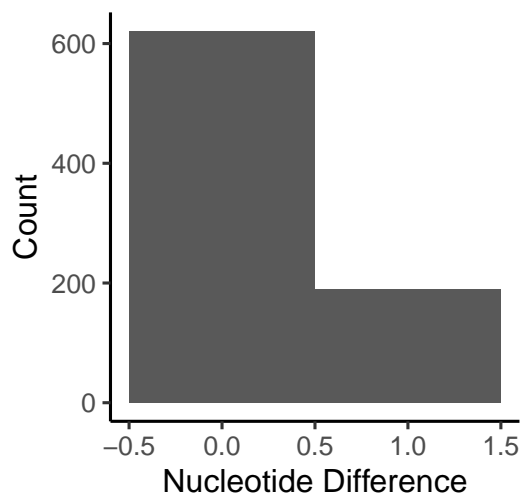
### TRBV7-7\*ap01

559 sequences assigned  
558 (99.8%) exact matches, in which:  
544 unique CDR3  
13 unique J



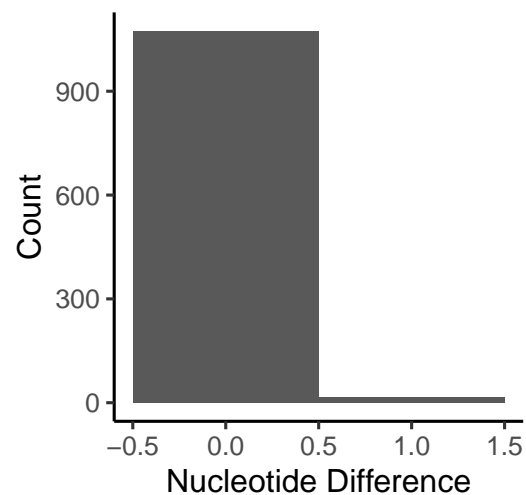
### TRBV7-8\*ap03

811 sequences assigned  
621 (76.6%) exact matches, in which:  
611 unique CDR3  
13 unique J



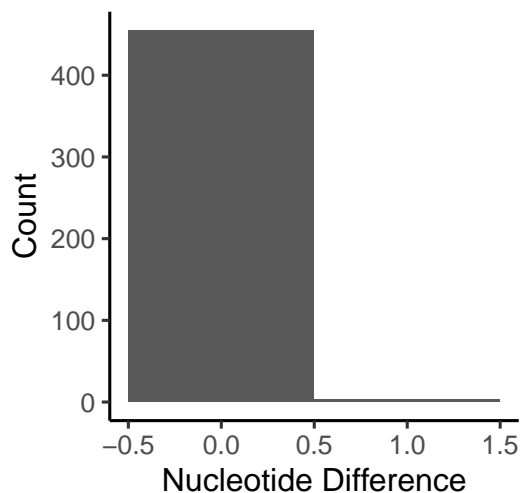
### TRBV29-1\*ap02

1090 sequences assigned  
1074 (98.5%) exact matches, in which:  
1039 unique CDR3  
13 unique J



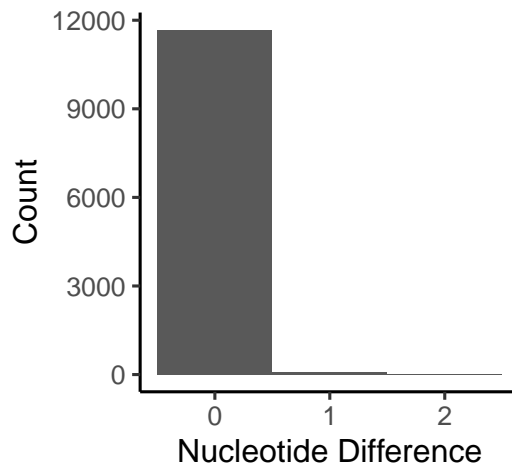
### TRBV7-7\*ap01\_C315T

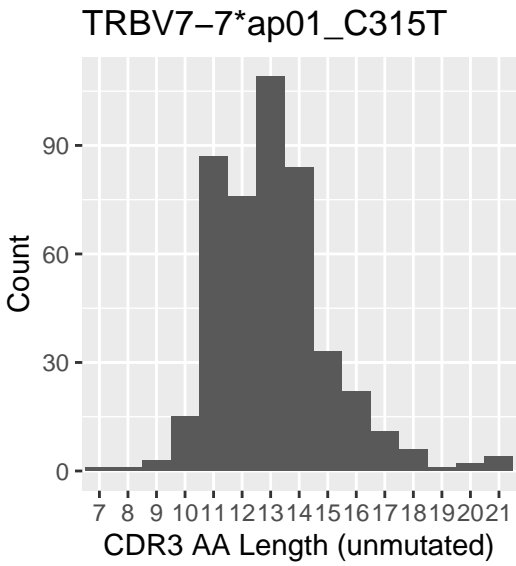
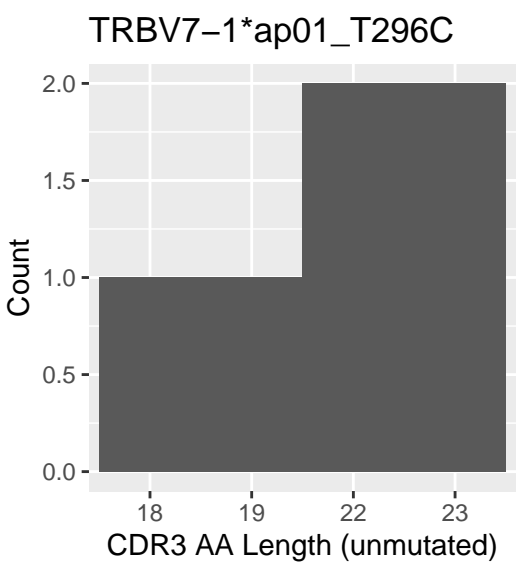
458 sequences assigned  
455 (99.3%) exact matches, in which:  
442 unique CDR3  
13 unique J



### TRBV7-9\*ap01

11748 sequences assigned  
11676 (99.4%) exact matches, in which:  
11432 unique CDR3  
13 unique J







[illegible]