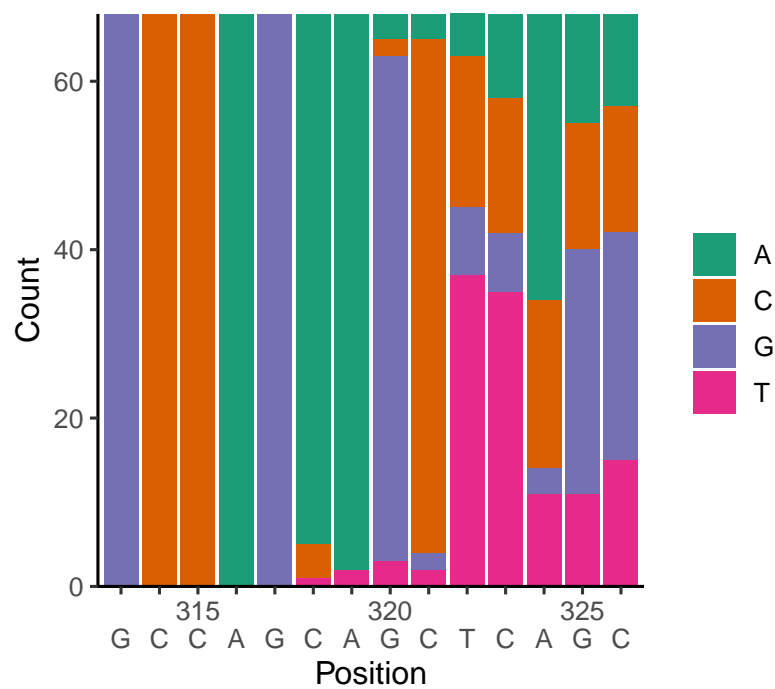
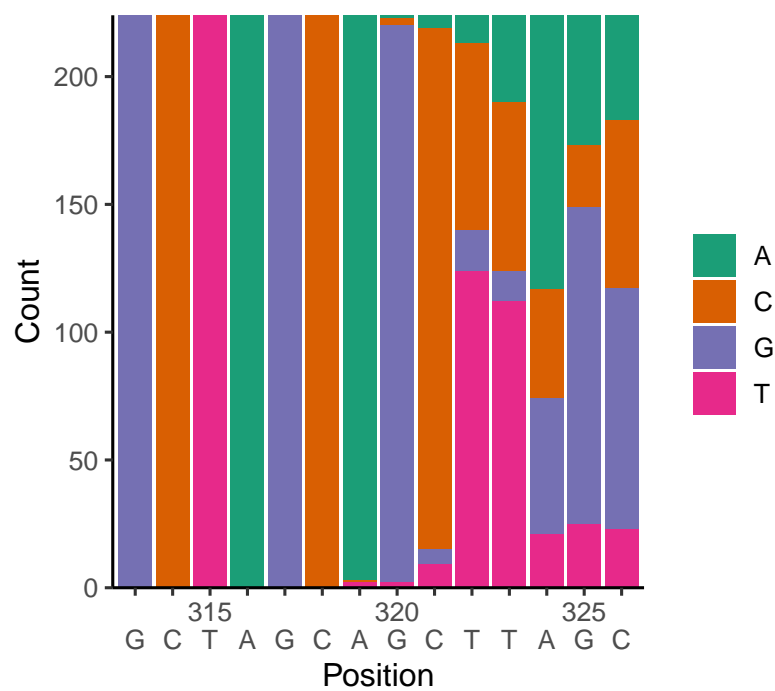


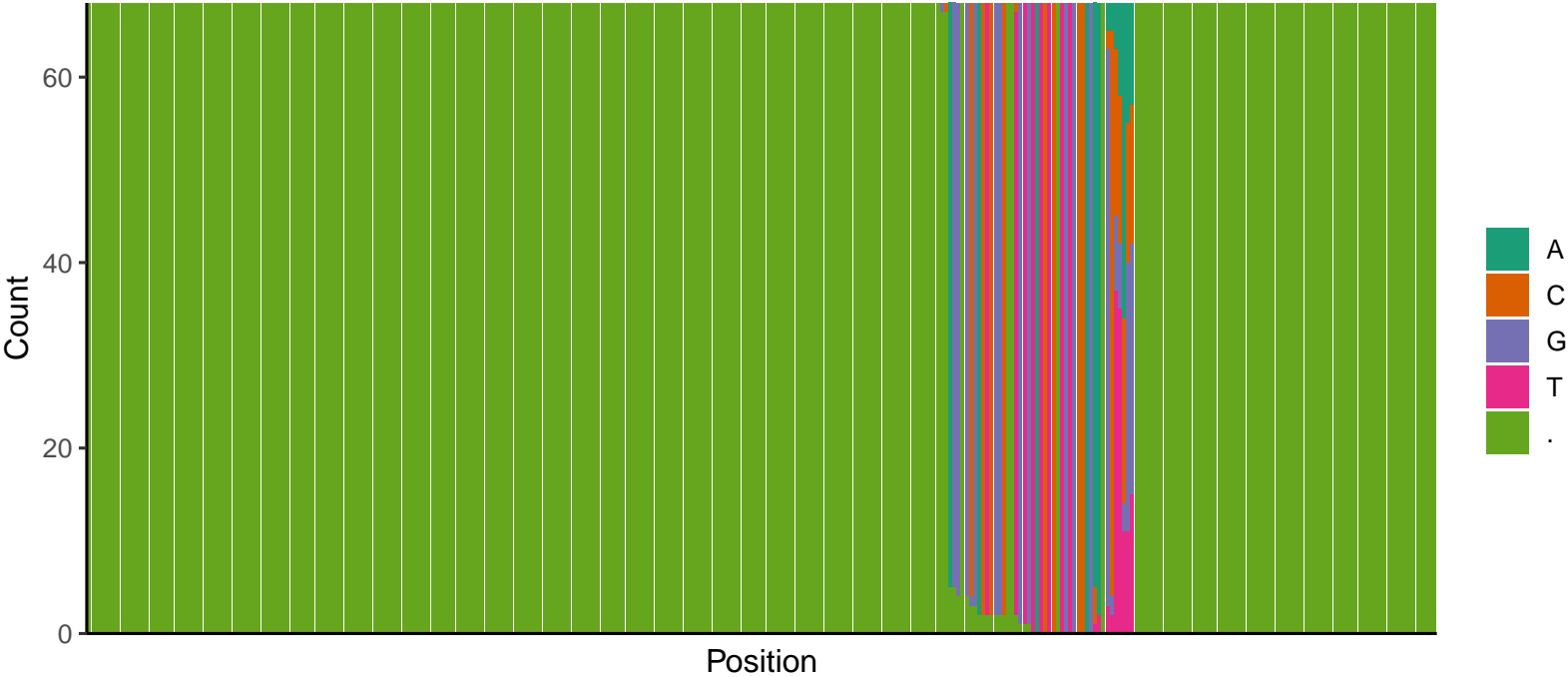
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



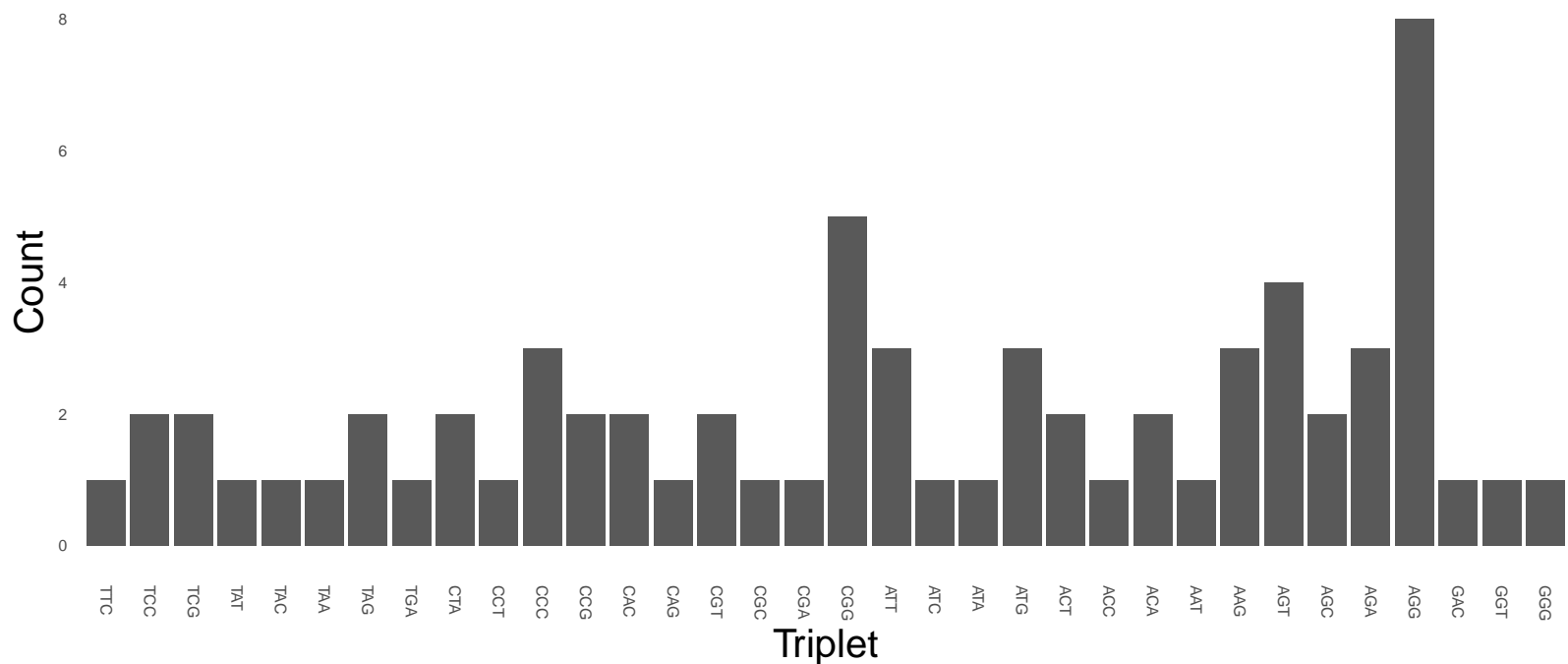
Gene TRBV7-1\*ap01\_G291C\_T296C



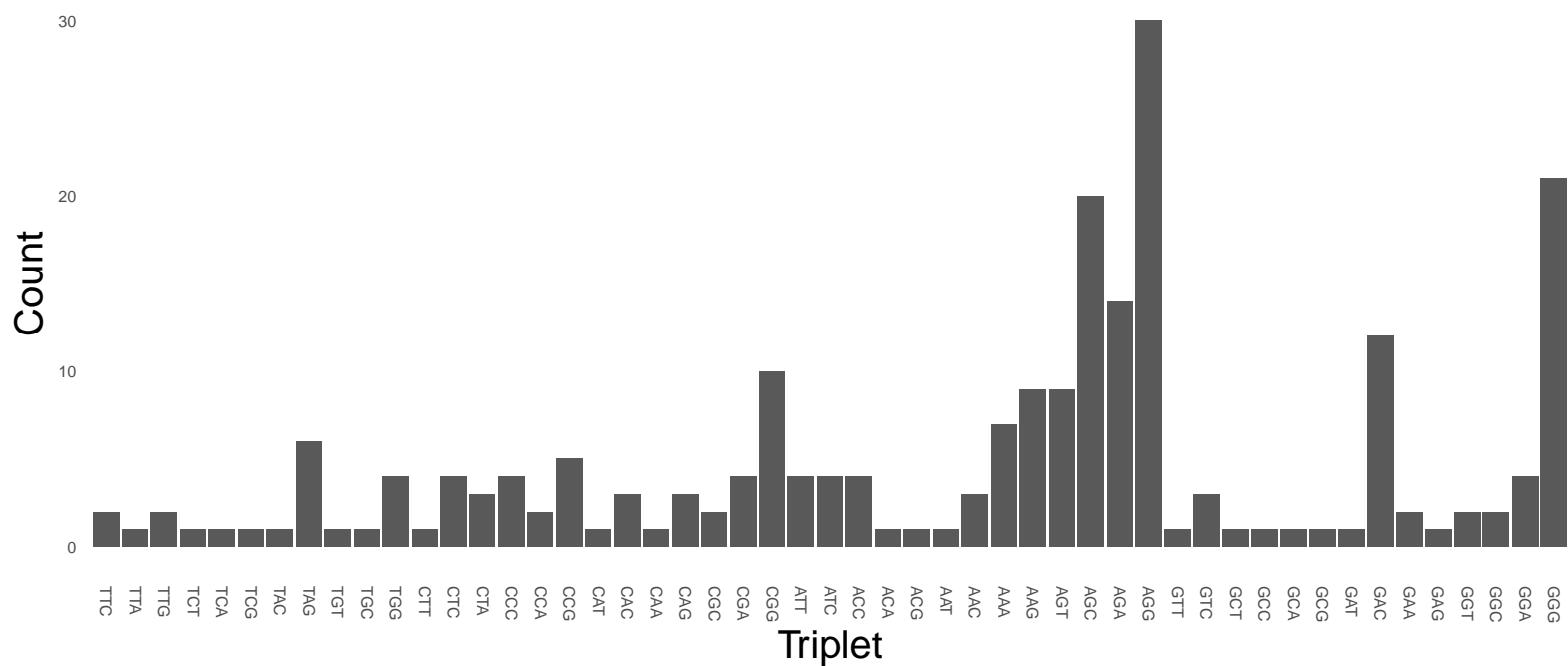
Gene TRBV7-7\*ap01\_C315T



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

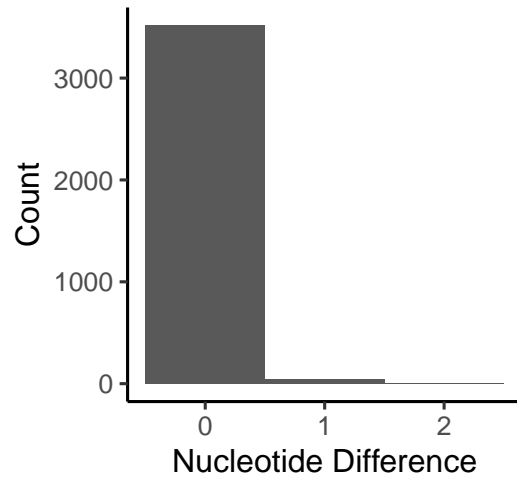


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



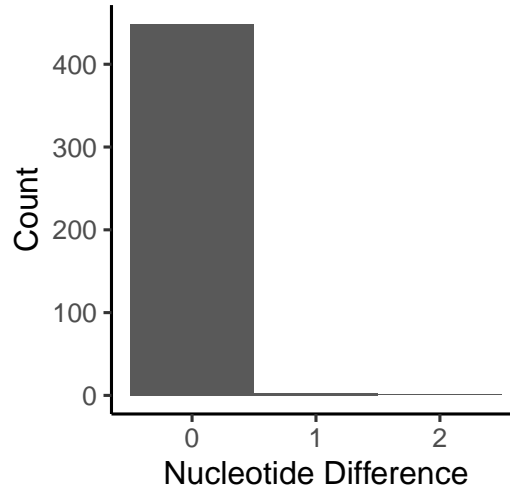
### TRBV20-1\*ap01

3566 sequences assigned  
3517 (98.6%) exact matches, in which:  
3481 unique CDR3  
13 unique J



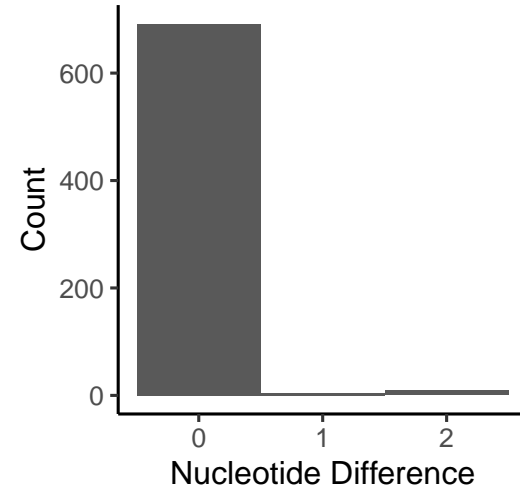
### TRBV10-2\*ap01

453 sequences assigned  
449 (99.1%) exact matches, in which:  
446 unique CDR3  
13 unique J



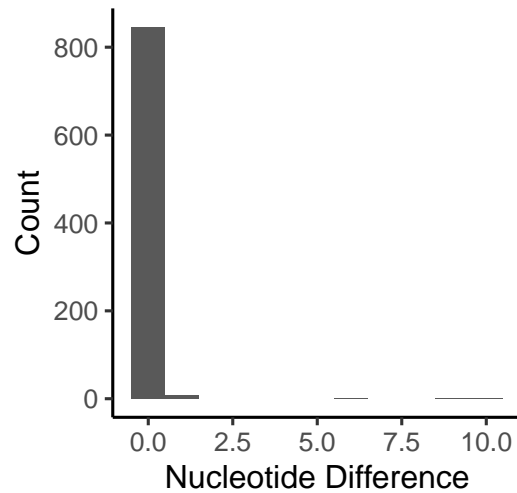
### TRBV13\*ap01

705 sequences assigned  
692 (98.2%) exact matches, in which:  
683 unique CDR3  
13 unique J



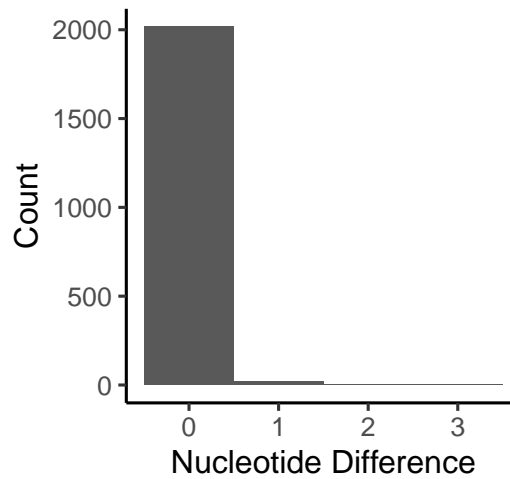
### TRBV10-1\*ap01

858 sequences assigned  
846 (98.6%) exact matches, in which:  
842 unique CDR3  
13 unique J



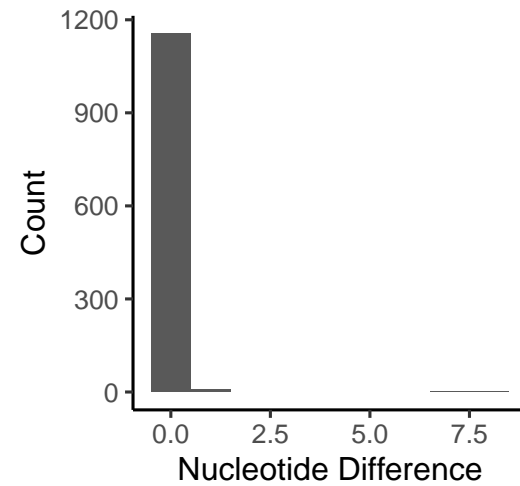
### TRBV10-3\*ap01

2039 sequences assigned  
2017 (98.9%) exact matches, in which:  
1992 unique CDR3  
13 unique J



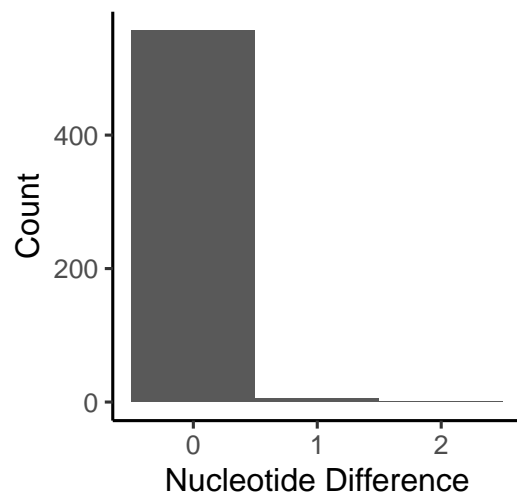
### TRBV14\*ap01

1164 sequences assigned  
1155 (99.2%) exact matches, in which:  
1146 unique CDR3  
13 unique J



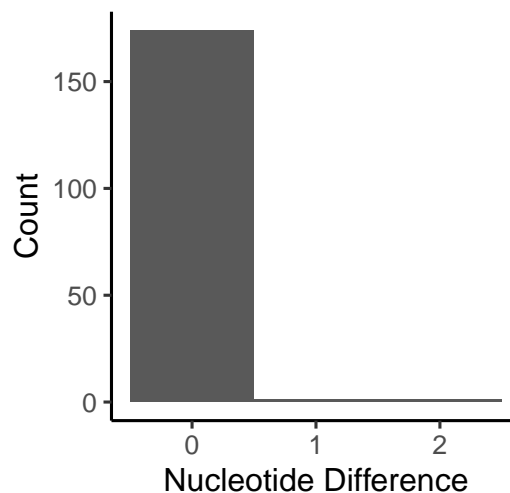
### TRBV20-1\*ap02

564 sequences assigned  
557 (98.8%) exact matches, in which:  
550 unique CDR3  
13 unique J



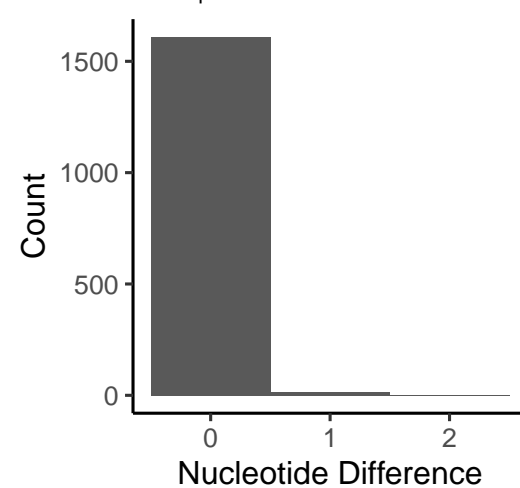
### TRBV1\*ap01

176 sequences assigned  
174 (98.9%) exact matches, in which:  
172 unique CDR3  
12 unique J



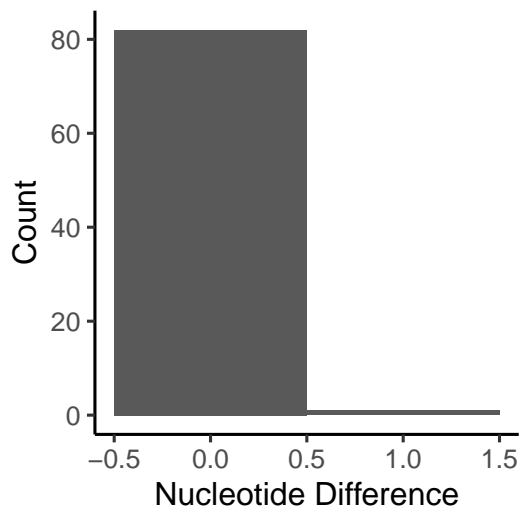
### TRBV15\*ap02

1626 sequences assigned  
1609 (99%) exact matches, in which:  
1592 unique CDR3  
13 unique J



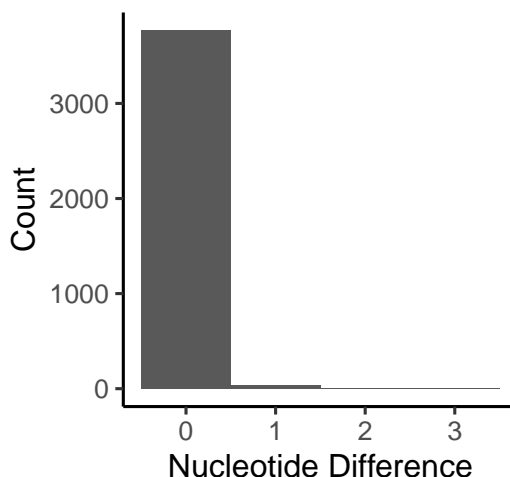
### TRBV16\*ap01

83 sequences assigned  
82 (98.8%) exact matches, in which:  
82 unique CDR3  
12 unique J



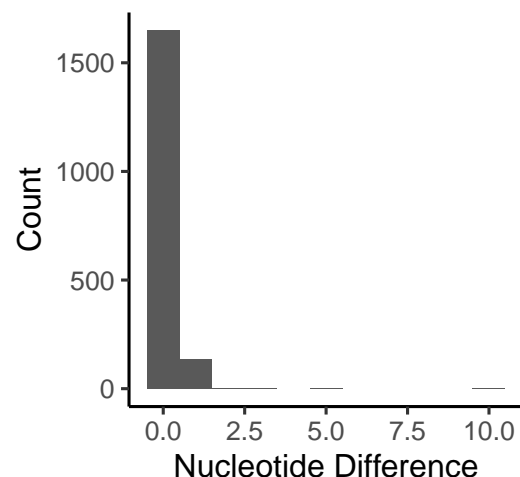
### TRBV2\*ap01

3807 sequences assigned  
3768 (99%) exact matches, in which:  
3754 unique CDR3  
13 unique J



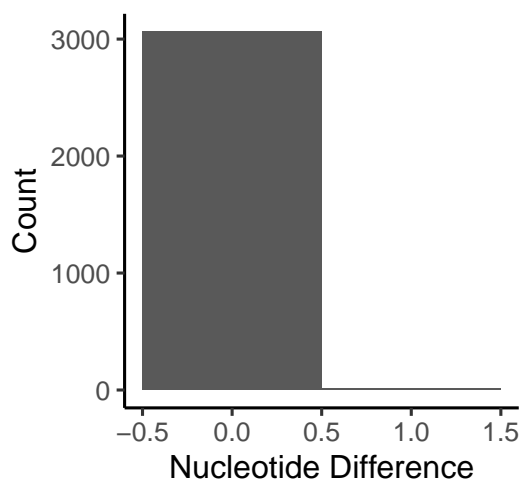
### TRBV30\*ap01

1789 sequences assigned  
1649 (92.2%) exact matches, in which:  
1641 unique CDR3  
13 unique J



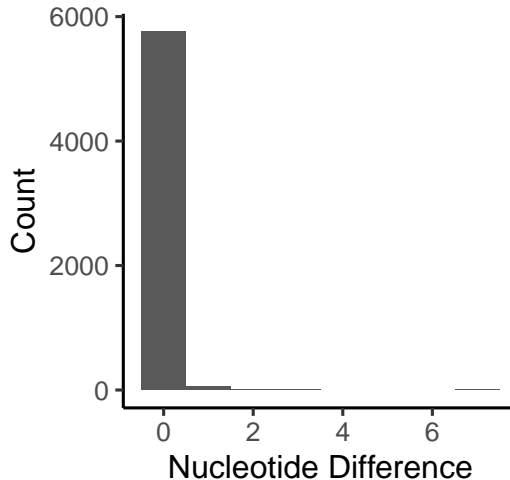
### TRBV18\*ap01

3078 sequences assigned  
3063 (99.5%) exact matches, in which:  
3043 unique CDR3  
13 unique J



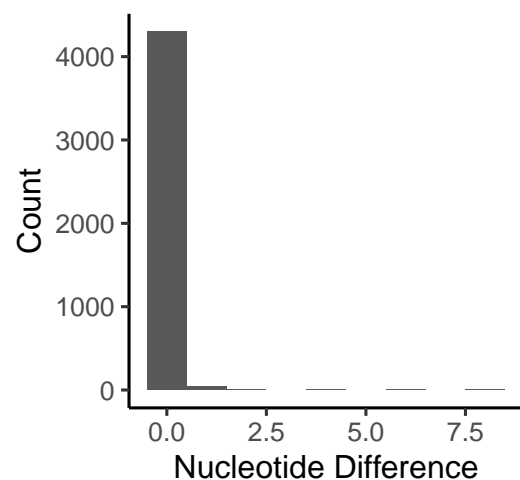
### TRBV27\*ap01

5822 sequences assigned  
5757 (98.9%) exact matches, in which:  
5712 unique CDR3  
13 unique J



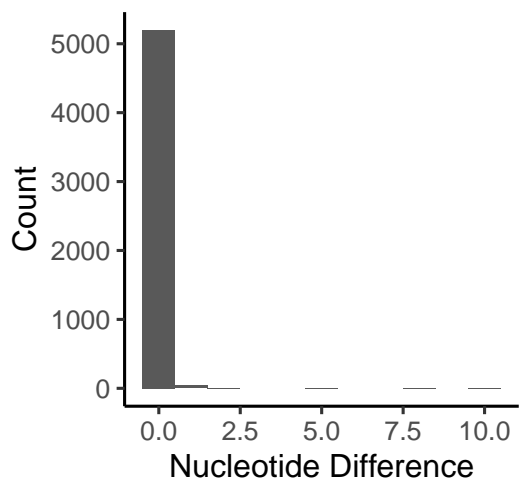
### TRBV9\*ap01

4343 sequences assigned  
4299 (99%) exact matches, in which:  
4250 unique CDR3  
13 unique J



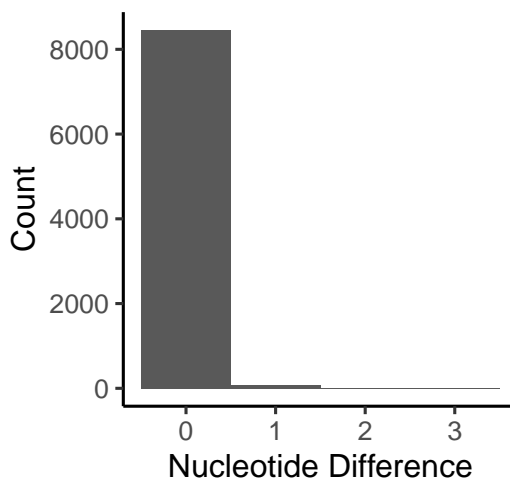
### TRBV19\*ap01

5244 sequences assigned  
5199 (99.1%) exact matches, in which:  
5170 unique CDR3  
13 unique J



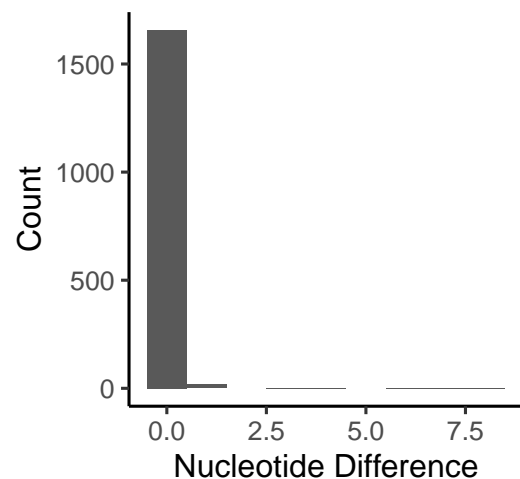
### TRBV28\*ap01

8544 sequences assigned  
8455 (99%) exact matches, in which:  
8379 unique CDR3  
13 unique J



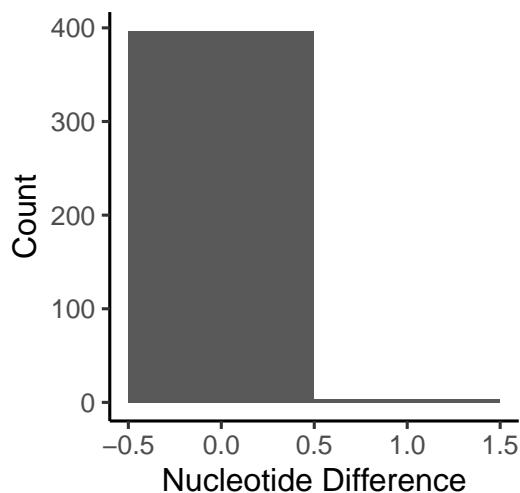
### TRBV21-1\*ap01

1683 sequences assigned  
1657 (98.5%) exact matches, in which:  
1643 unique CDR3  
13 unique J



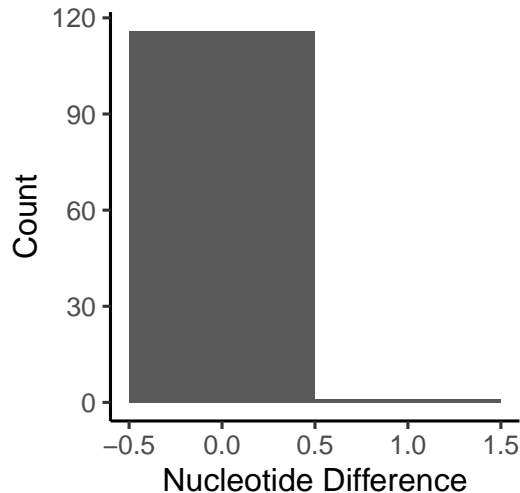
### TRBV11-1\*ap01

401 sequences assigned  
397 (99%) exact matches, in which:  
389 unique CDR3  
13 unique J



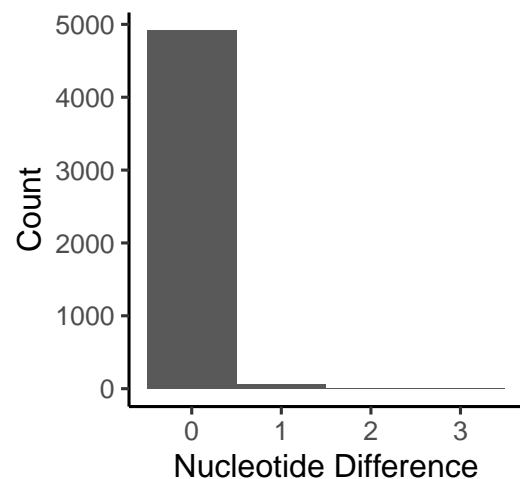
### TRBV12-1\*ap01

117 sequences assigned  
116 (99.1%) exact matches, in which:  
116 unique CDR3  
12 unique J



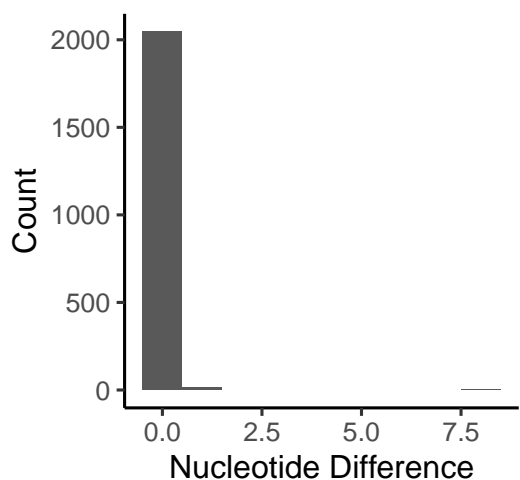
### TRBV12-34\*ap01

4982 sequences assigned  
4917 (98.7%) exact matches, in which:  
4873 unique CDR3  
13 unique J



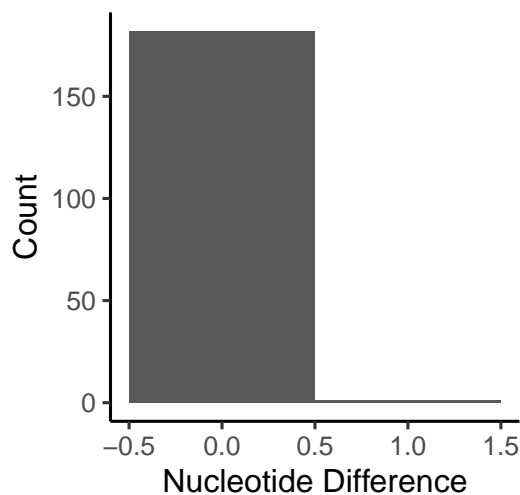
### TRBV11-2\*ap01

2060 sequences assigned  
2046 (99.3%) exact matches, in which:  
2025 unique CDR3  
13 unique J



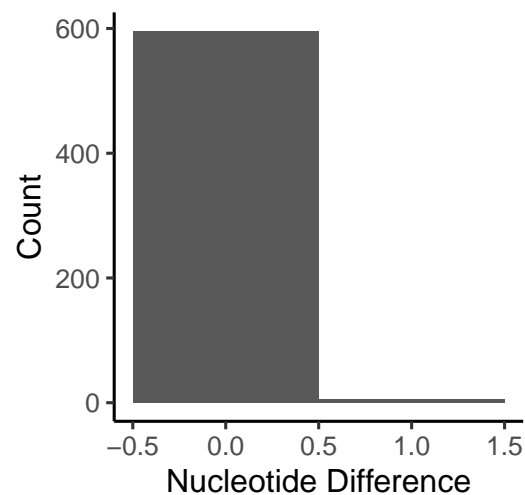
### TRBV12-2\*ap01

183 sequences assigned  
182 (99.5%) exact matches, in which:  
179 unique CDR3  
13 unique J



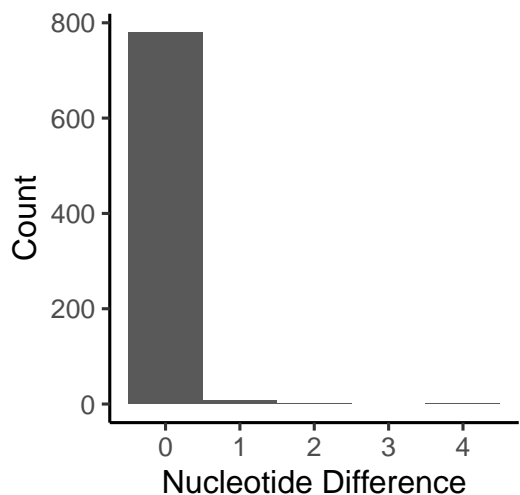
### TRBV23-1\*ap01

601 sequences assigned  
596 (99.2%) exact matches, in which:  
591 unique CDR3  
13 unique J



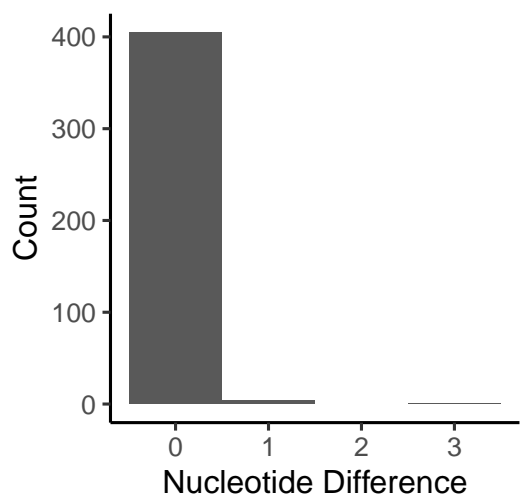
### TRBV11-3\*ap01

790 sequences assigned  
780 (98.7%) exact matches, in which:  
776 unique CDR3  
13 unique J



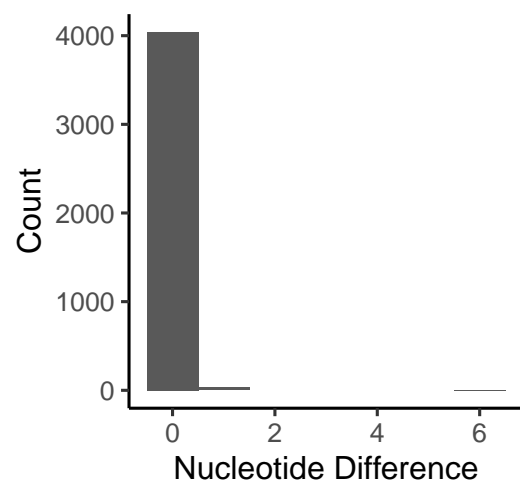
### TRBV12-5\*ap01

410 sequences assigned  
405 (98.8%) exact matches, in which:  
401 unique CDR3  
12 unique J



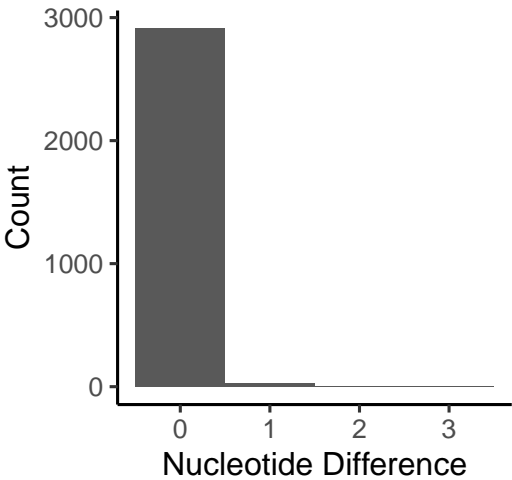
### TRBV3-12\*ap01

4074 sequences assigned  
4041 (99.2%) exact matches, in which:  
4018 unique CDR3  
13 unique J



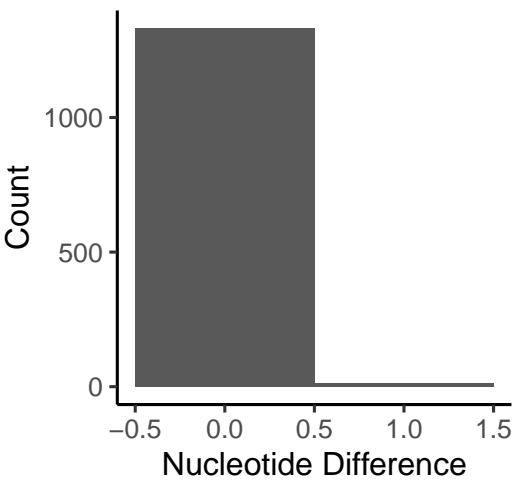
TRBV4-1\*ap01

2948 sequences assigned  
2912 (98.8%) exact matches, in which:  
2889 unique CDR3  
13 unique J



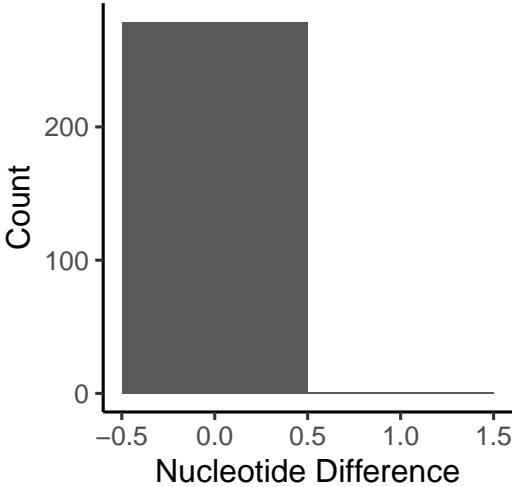
TRBV4-3\*ap01

1344 sequences assigned  
1331 (99%) exact matches, in which:  
1316 unique CDR3  
13 unique J



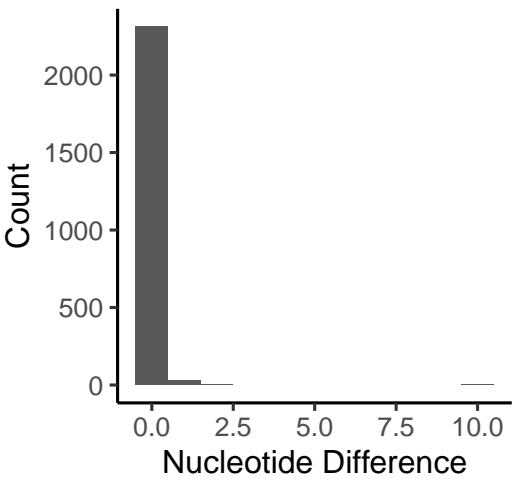
TRBV5-3\*ap01

280 sequences assigned  
279 (99.6%) exact matches, in which:  
271 unique CDR3  
13 unique J



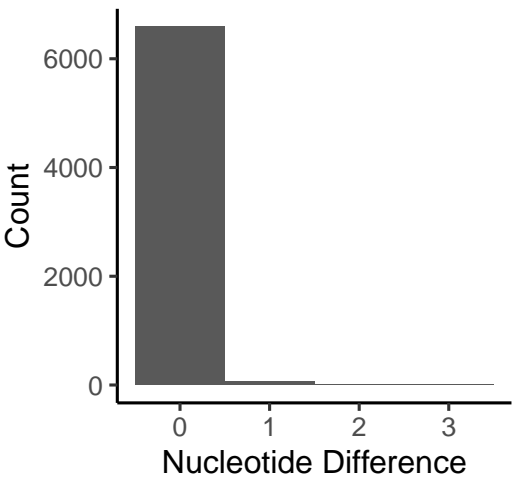
TRBV24-1\*ap01

2342 sequences assigned  
2312 (98.7%) exact matches, in which:  
2306 unique CDR3  
13 unique J



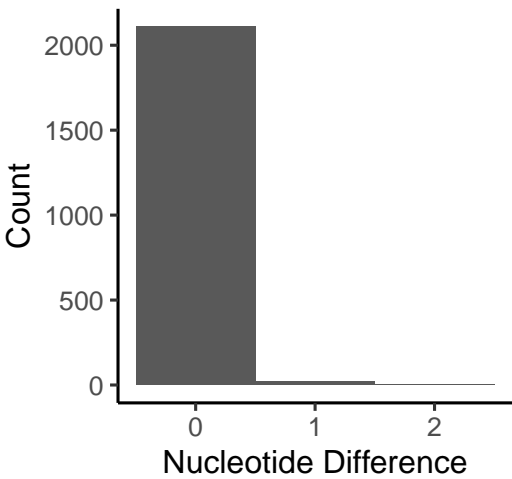
TRBV5-1\*ap01

6668 sequences assigned  
6589 (98.8%) exact matches, in which:  
6504 unique CDR3  
13 unique J



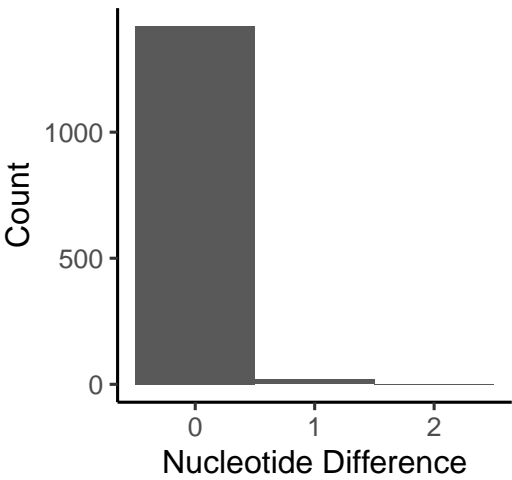
TRBV5-4\*ap01

2133 sequences assigned  
2109 (98.9%) exact matches, in which:  
2085 unique CDR3  
13 unique J



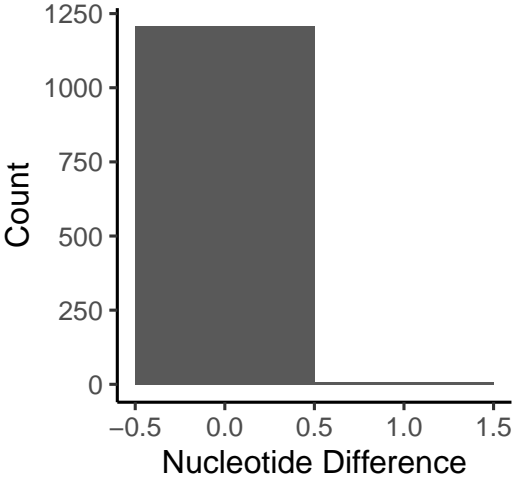
TRBV4-2\*ap01

1441 sequences assigned  
1421 (98.6%) exact matches, in which:  
1417 unique CDR3  
13 unique J



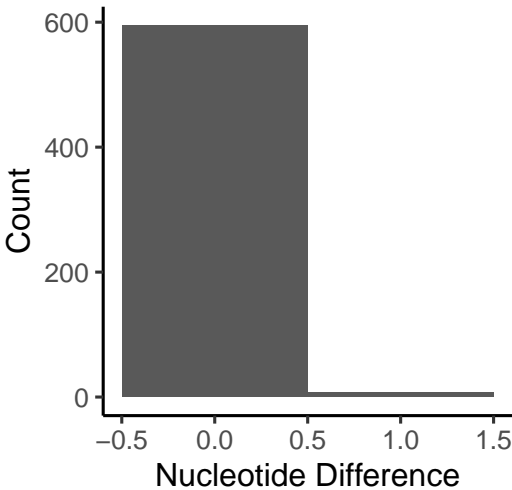
TRBV25-1\*ap01

1216 sequences assigned  
1208 (99.3%) exact matches, in which:  
1204 unique CDR3  
13 unique J



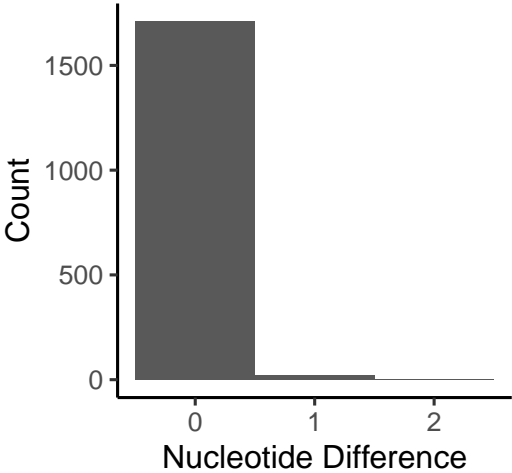
TRBV5-5\*ap01

603 sequences assigned  
595 (98.7%) exact matches, in which:  
584 unique CDR3  
13 unique J



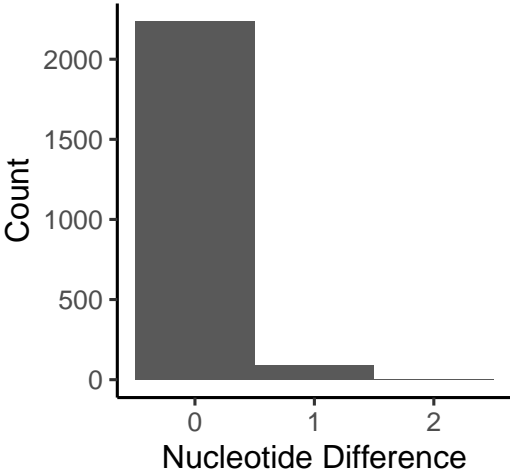
TRBV5-6\*ap01

1731 sequences assigned  
1710 (98.8%) exact matches, in which:  
1695 unique CDR3  
13 unique J



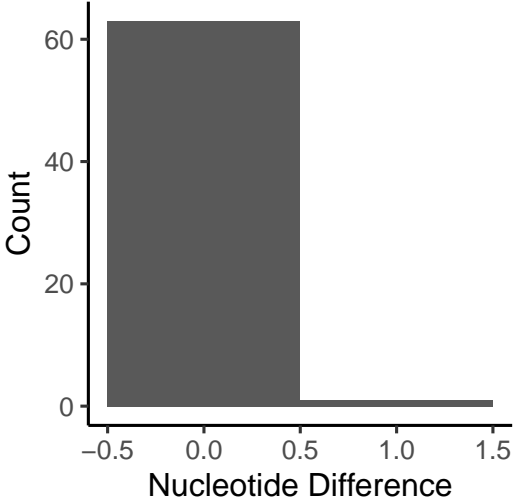
TRBV6-1\*ap01

2329 sequences assigned  
2236 (96%) exact matches, in which:  
2218 unique CDR3  
13 unique J



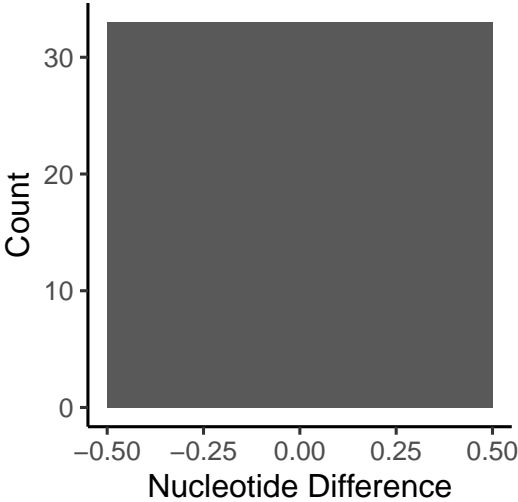
TRBV6-8\*ap01

64 sequences assigned  
63 (98.4%) exact matches, in which:  
63 unique CDR3  
11 unique J



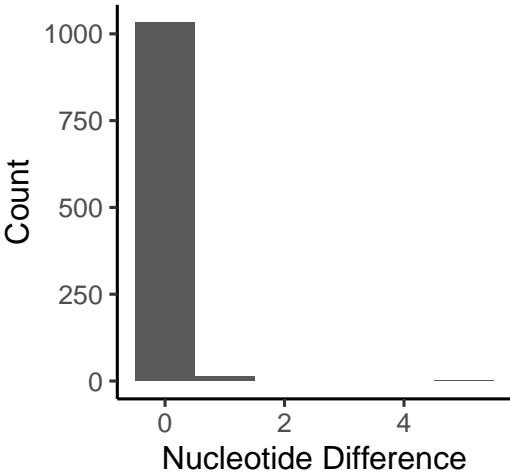
TRBV5-7\*ap01

33 sequences assigned  
33 (100%) exact matches, in which:  
33 unique CDR3  
12 unique J



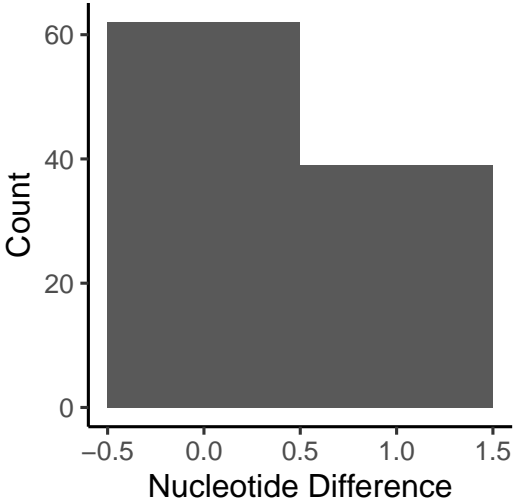
TRBV6-4\*ap01

1045 sequences assigned  
1032 (98.8%) exact matches, in which:  
1023 unique CDR3  
13 unique J



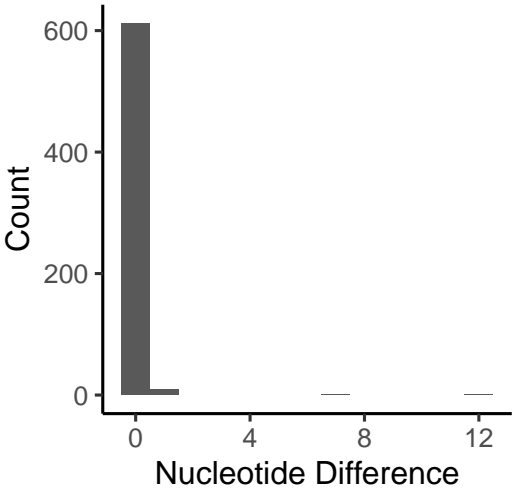
TRBV6-9\*ap01

101 sequences assigned  
62 (61.4%) exact matches, in which:  
62 unique CDR3  
10 unique J



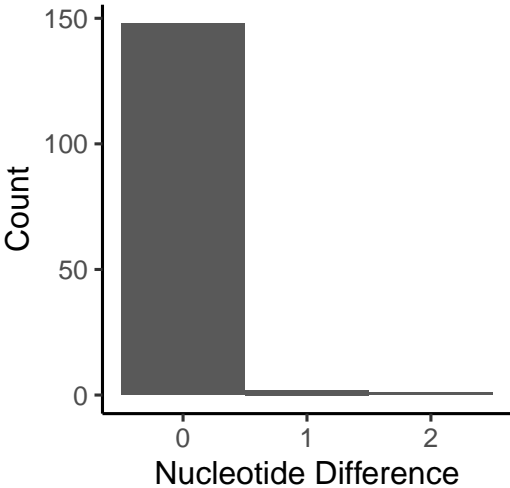
TRBV5-8\*ap01

623 sequences assigned  
612 (98.2%) exact matches, in which:  
605 unique CDR3  
13 unique J



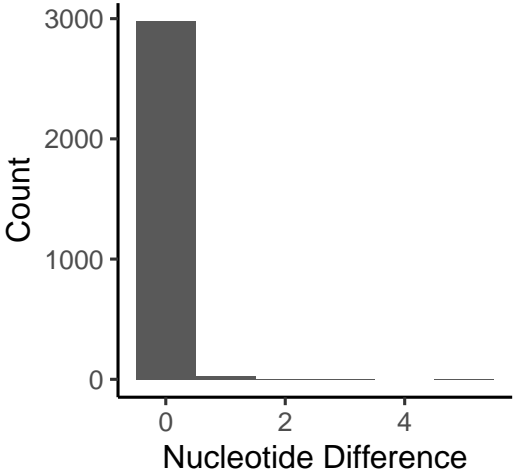
TRBV6-7\*ap01

151 sequences assigned  
148 (98%) exact matches, in which:  
146 unique CDR3  
12 unique J



TRBV6-23\*ap01

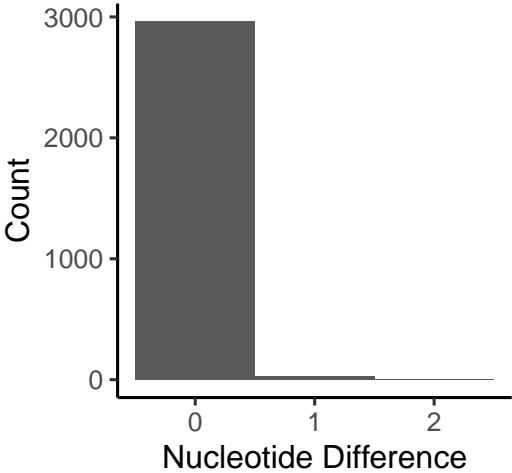
3016 sequences assigned  
2980 (98.8%) exact matches, in which:  
2960 unique CDR3  
13 unique J





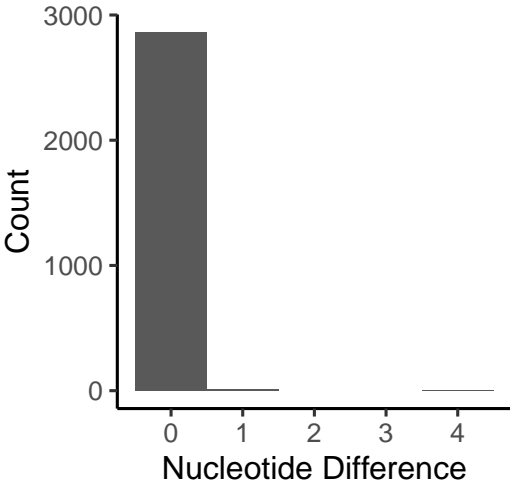
TRBV6-56\*ap01

2989 sequences assigned  
2963 (99.1%) exact matches, in which:  
2947 unique CDR3  
13 unique J



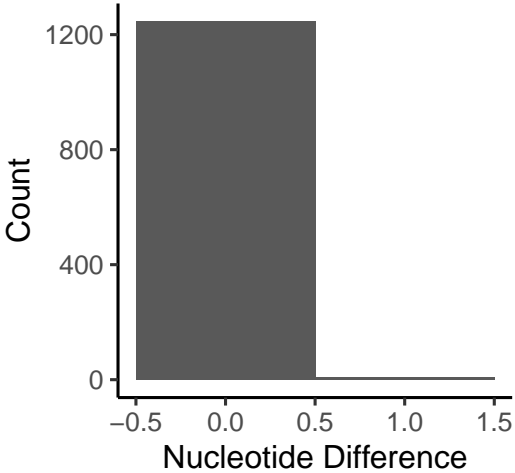
TRBV7-2\*ap01

2876 sequences assigned  
2861 (99.5%) exact matches, in which:  
2829 unique CDR3  
13 unique J



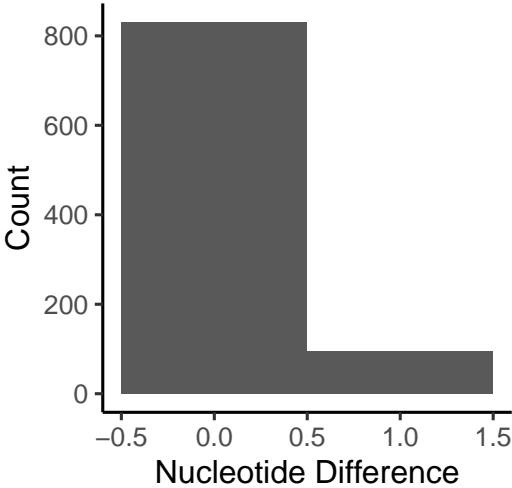
TRBV7-6\*ap01

1256 sequences assigned  
1246 (99.2%) exact matches, in which:  
1238 unique CDR3  
13 unique J



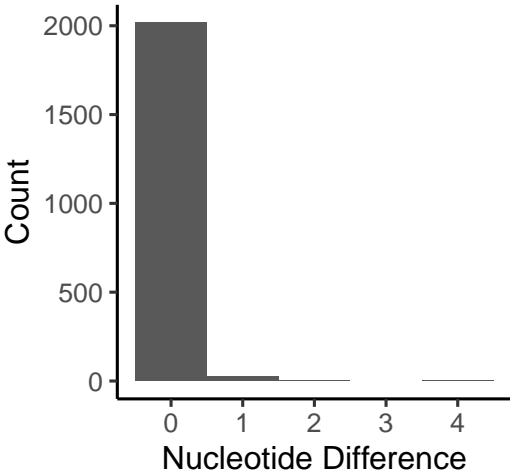
TRBV6-56\*ap02

927 sequences assigned  
831 (89.6%) exact matches, in which:  
825 unique CDR3  
13 unique J



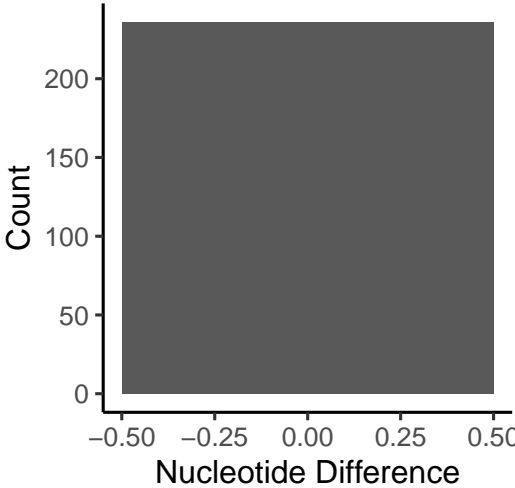
TRBV7-3\*ap01

2043 sequences assigned  
2017 (98.7%) exact matches, in which:  
1992 unique CDR3  
13 unique J



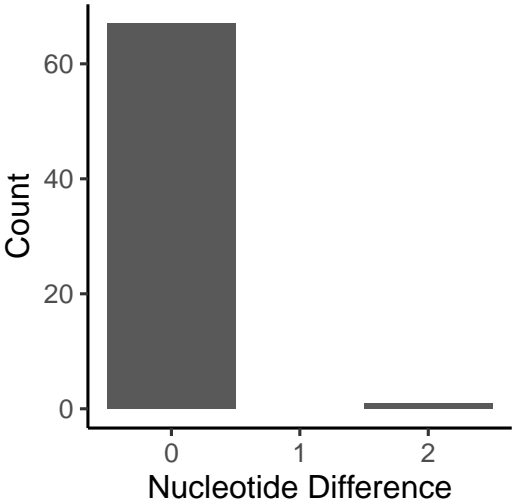
TRBV7-7\*ap01

236 sequences assigned  
236 (100%) exact matches, in which:  
235 unique CDR3  
13 unique J



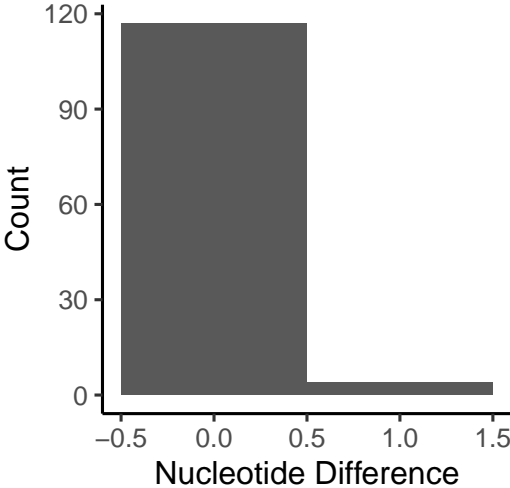
TRBV7-1\*ap01\_G291C\_T

68 sequences assigned  
67 (98.5%) exact matches, in which:  
67 unique CDR3  
11 unique J



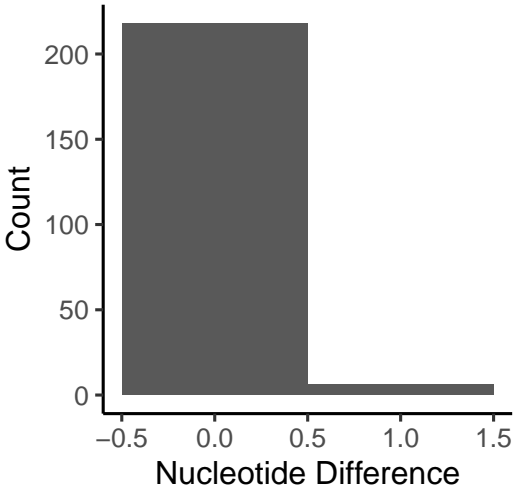
TRBV7-4\*ap01

121 sequences assigned  
117 (96.7%) exact matches, in which:  
117 unique CDR3  
13 unique J



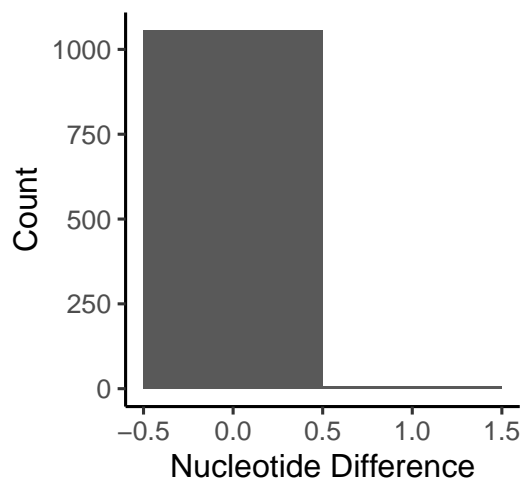
TRBV7-7\*ap01\_C315T

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



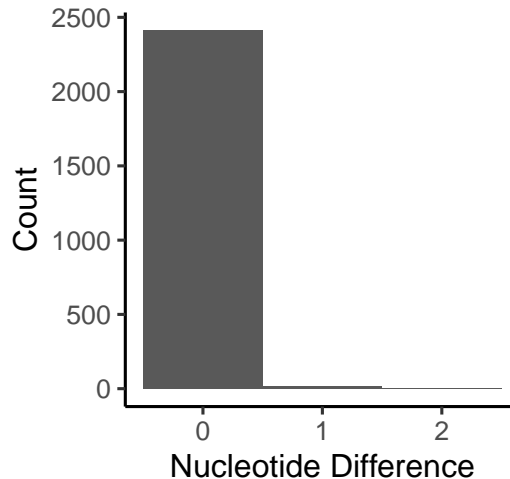
### TRBV7-8\*ap01

1063 sequences assigned  
1056 (99.3%) exact matches, in which:  
1048 unique CDR3  
13 unique J



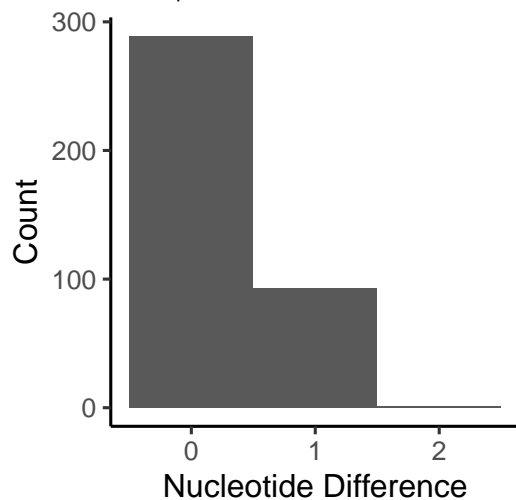
### TRBV29-1\*ap01

2430 sequences assigned  
2412 (99.3%) exact matches, in which:  
2390 unique CDR3  
13 unique J



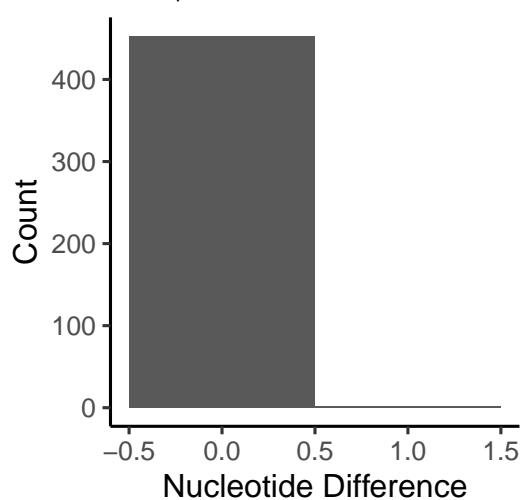
### TRBV7-8\*ap03

383 sequences assigned  
289 (75.5%) exact matches, in which:  
286 unique CDR3  
13 unique J



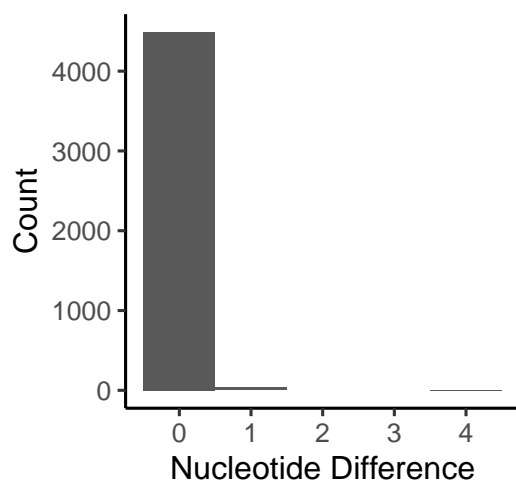
### TRBV29-1\*ap02

455 sequences assigned  
453 (99.6%) exact matches, in which:  
449 unique CDR3  
12 unique J

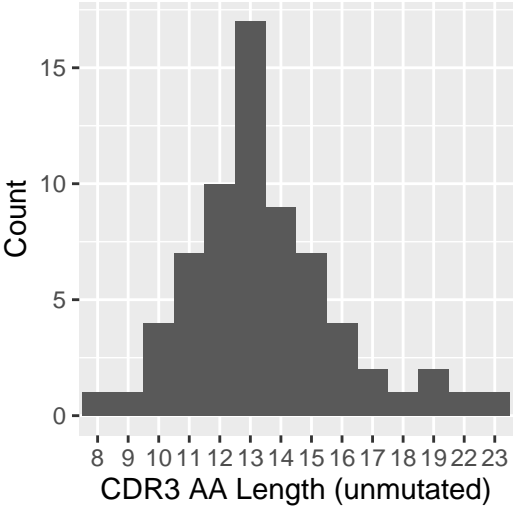


### TRBV7-9\*ap01

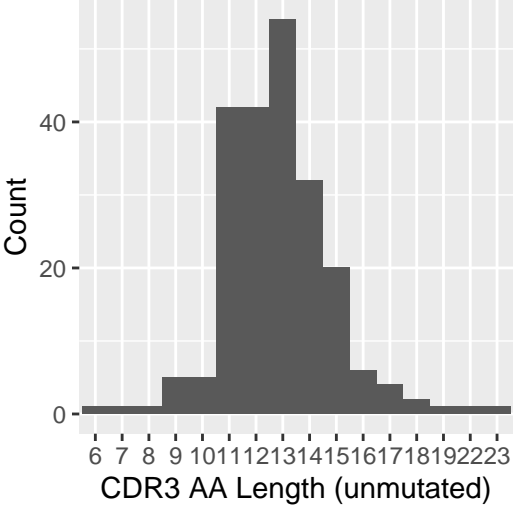
4527 sequences assigned  
4490 (99.2%) exact matches, in which:  
4452 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]