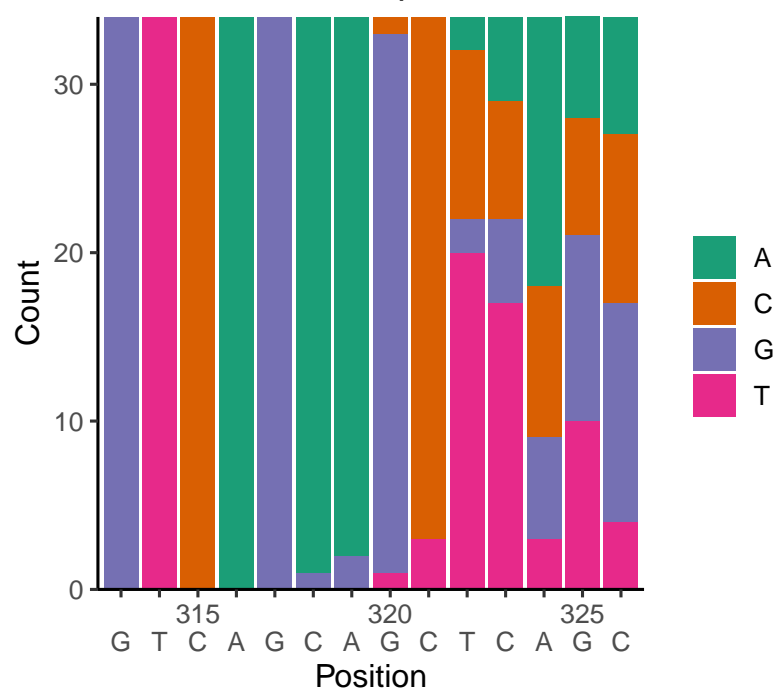
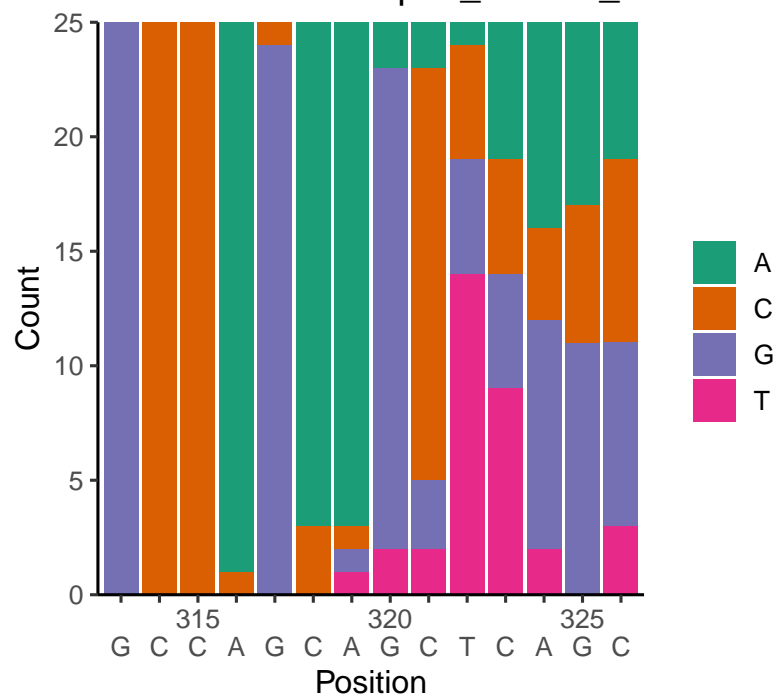


Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



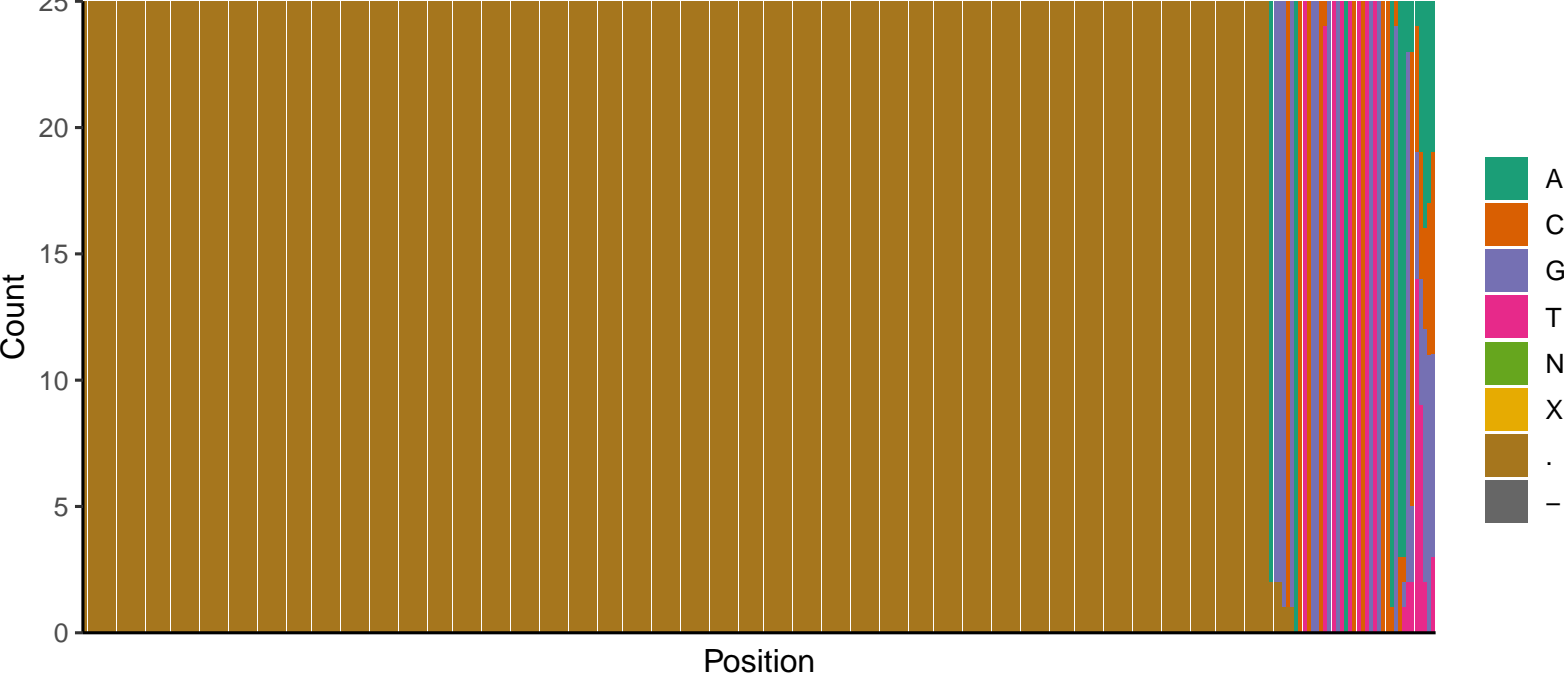
Gene TRBV7-1\*ap01\_G291C\_T296C



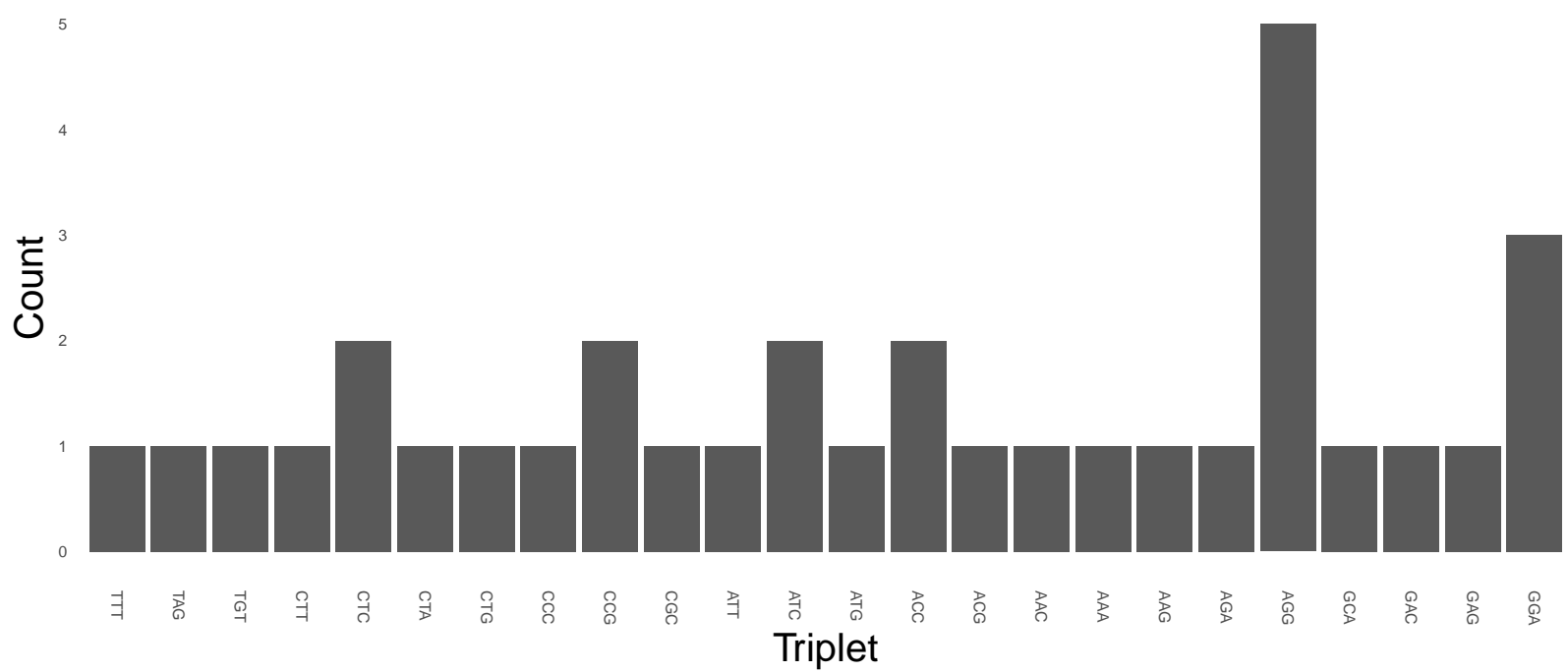
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



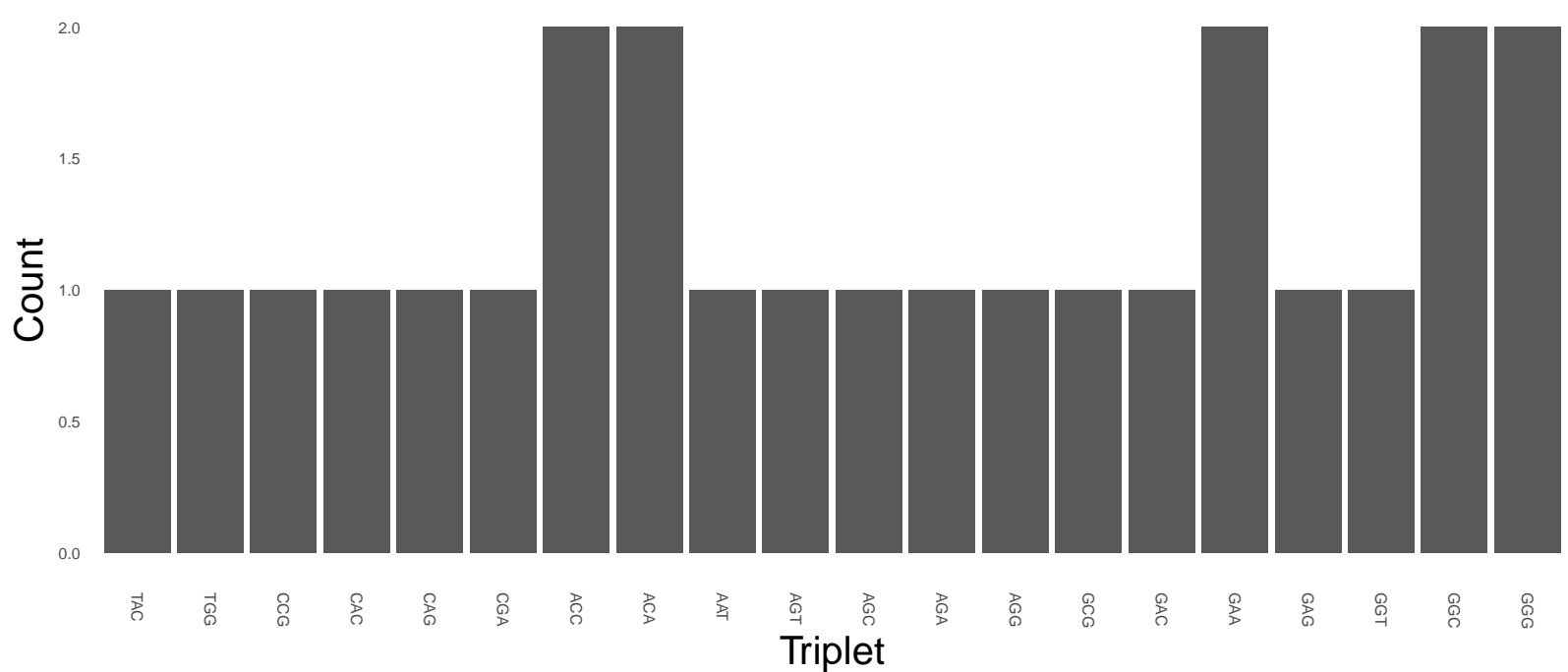
Gene TRBV7-1\*ap01\_G291C\_T296C



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

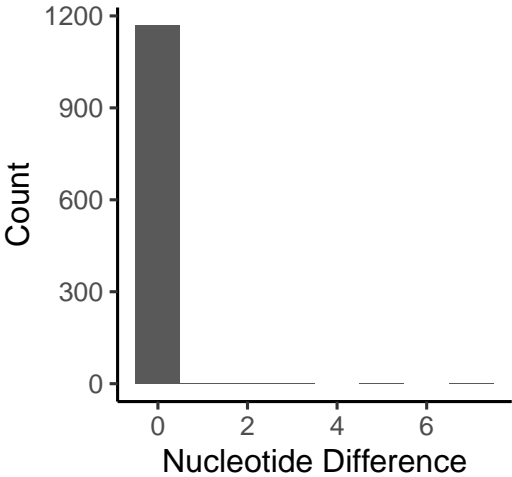


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



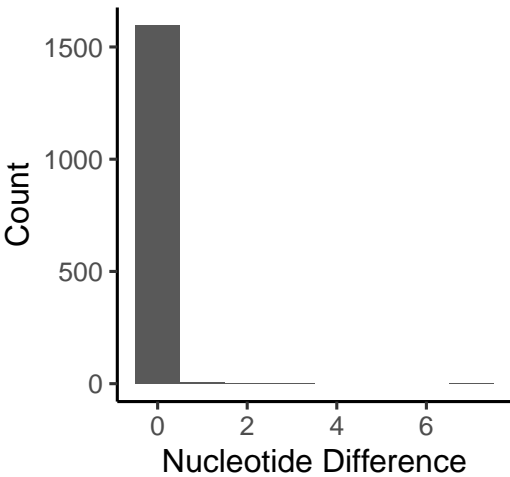
TRBV10-1\*ap01

1175 sequences assigned  
1169 (99.5%) exact matches, in which:  
1167 unique CDR3  
13 unique J



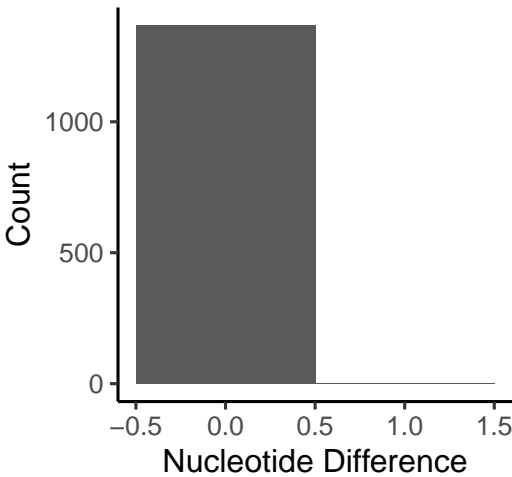
TRBV10-3\*ap01

1606 sequences assigned  
1596 (99.4%) exact matches, in which:  
1591 unique CDR3  
13 unique J



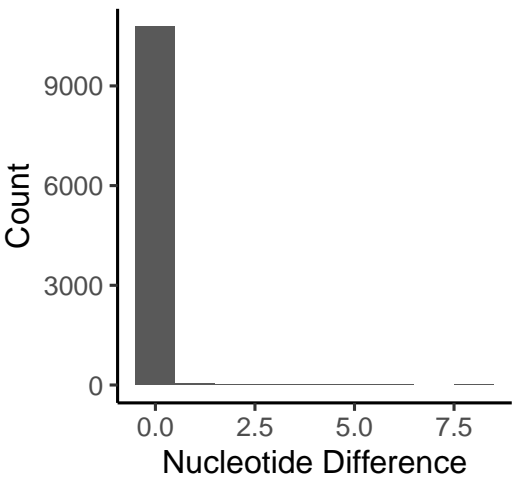
TRBV14\*ap01

1370 sequences assigned  
1368 (99.9%) exact matches, in which:  
1367 unique CDR3  
13 unique J



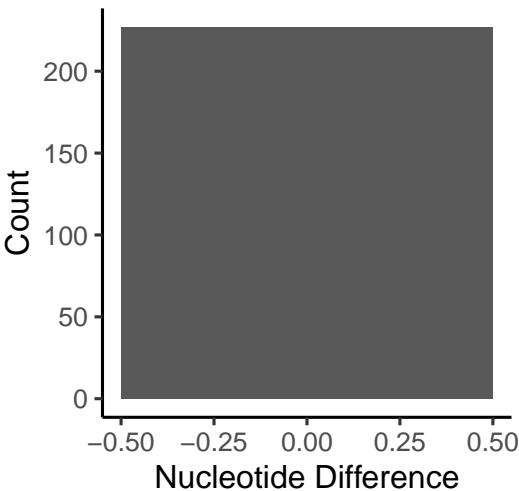
TRBV20-1\*ap01

10837 sequences assigned  
10781 (99.5%) exact matches, in which:  
10737 unique CDR3  
13 unique J



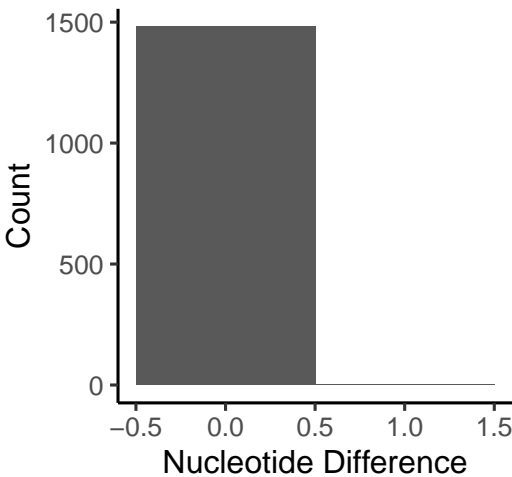
TRBV1\*ap01

227 sequences assigned  
227 (100%) exact matches, in which:  
227 unique CDR3  
13 unique J



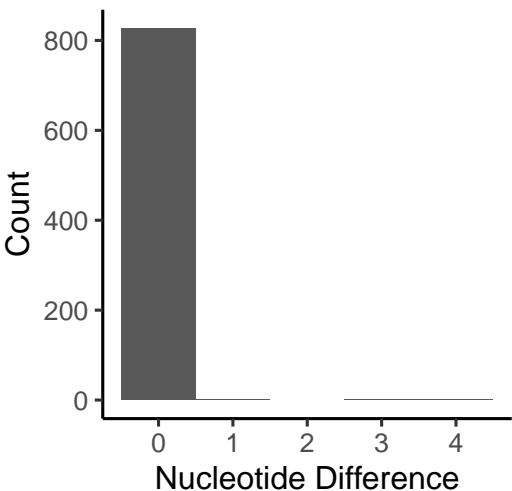
TRBV15\*ap02

1484 sequences assigned  
1481 (99.8%) exact matches, in which:  
1470 unique CDR3  
13 unique J



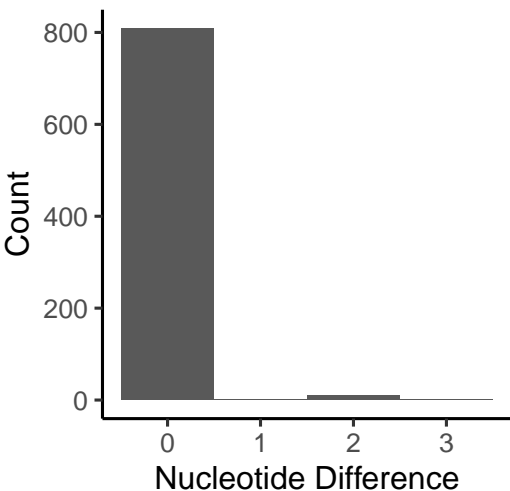
TRBV10-2\*ap01

832 sequences assigned  
827 (99.4%) exact matches, in which:  
826 unique CDR3  
13 unique J



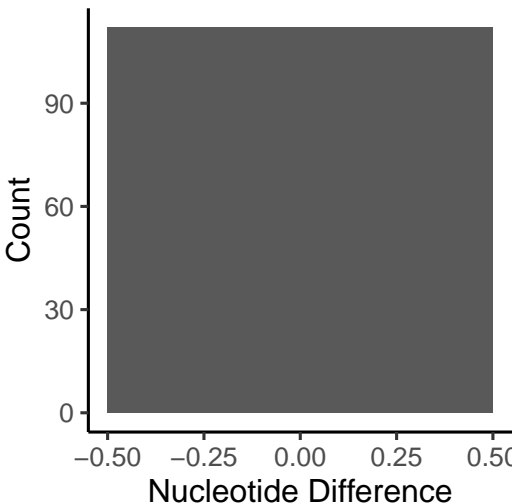
TRBV13\*ap01

821 sequences assigned  
809 (98.5%) exact matches, in which:  
807 unique CDR3  
13 unique J



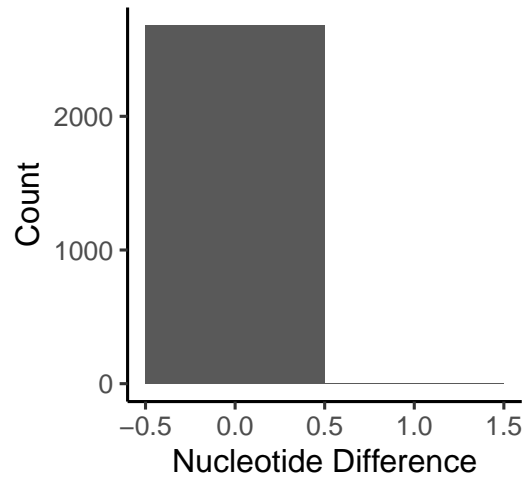
TRBV16\*ap01

112 sequences assigned  
112 (100%) exact matches, in which:  
111 unique CDR3  
12 unique J



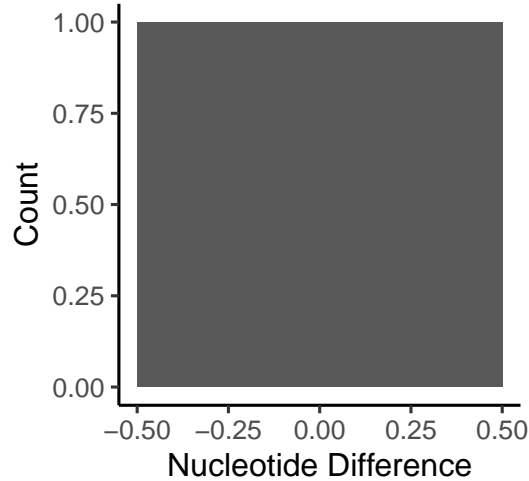
### TRBV18\*ap01

2681 sequences assigned  
2680 (100%) exact matches, in which:  
2676 unique CDR3  
13 unique J



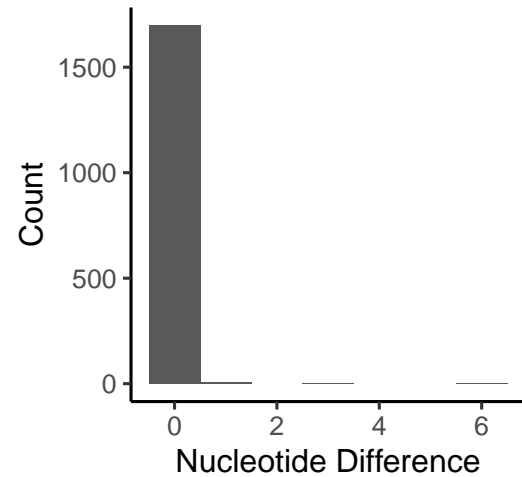
### TRBV26\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



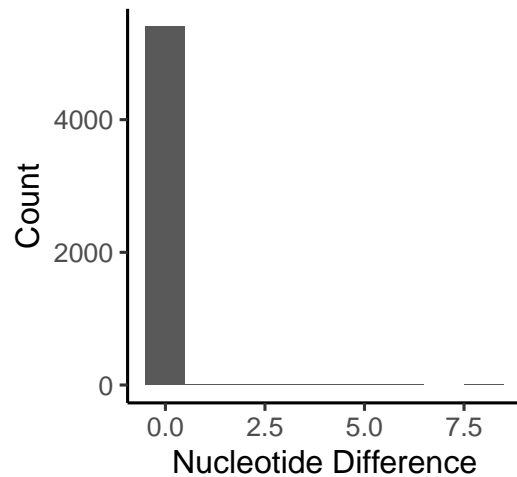
### TRBV30\*ap01

1707 sequences assigned  
1698 (99.5%) exact matches, in which:  
1695 unique CDR3  
13 unique J



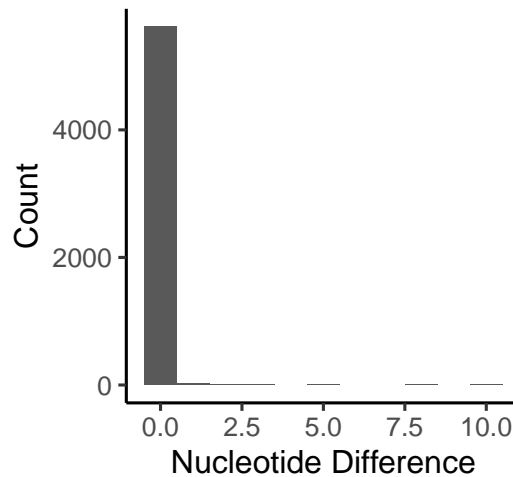
### TRBV19\*ap01

5424 sequences assigned  
5401 (99.6%) exact matches, in which:  
5400 unique CDR3  
13 unique J



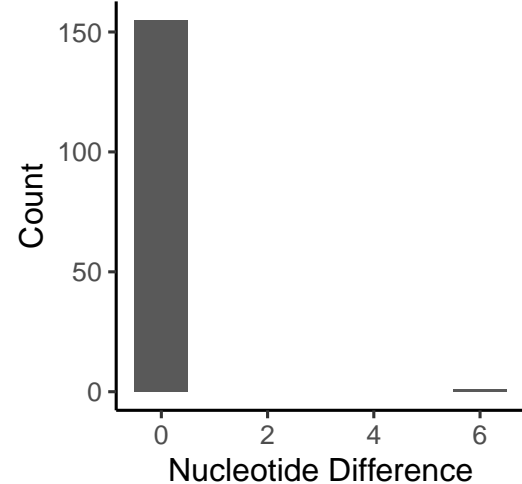
### TRBV27\*ap01

5646 sequences assigned  
5617 (99.5%) exact matches, in which:  
5605 unique CDR3  
13 unique J



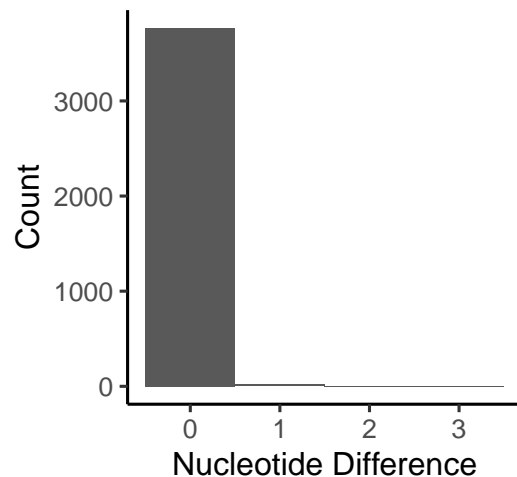
### TRBV30\*ap02

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



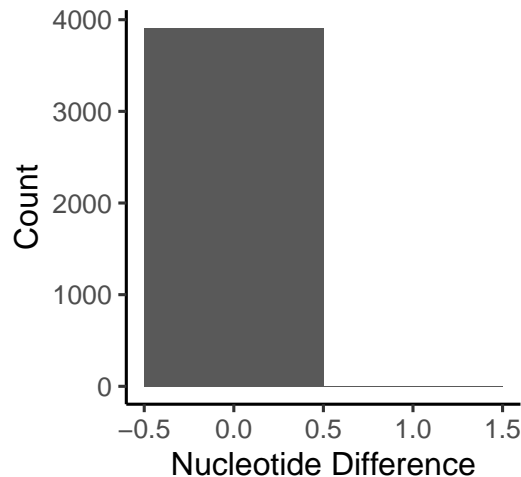
### TRBV2\*ap01

3787 sequences assigned  
3766 (99.4%) exact matches, in which:  
3755 unique CDR3  
13 unique J



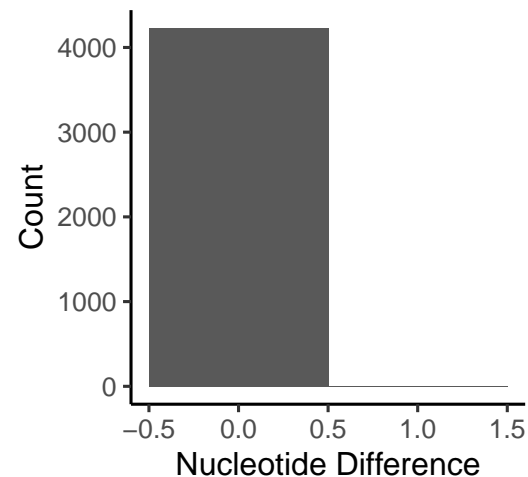
### TRBV28\*ap01

3915 sequences assigned  
3909 (99.8%) exact matches, in which:  
3902 unique CDR3  
13 unique J



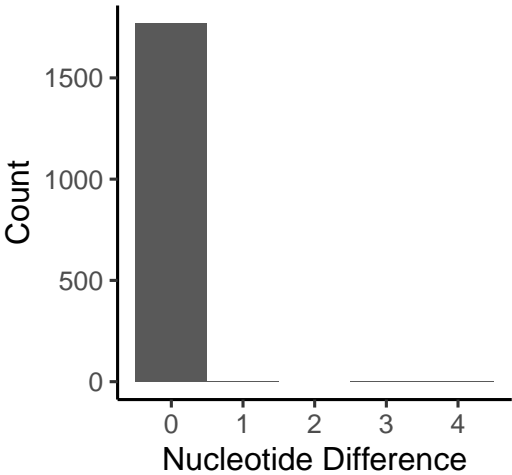
### TRBV9\*ap01

4236 sequences assigned  
4229 (99.8%) exact matches, in which:  
4219 unique CDR3  
13 unique J



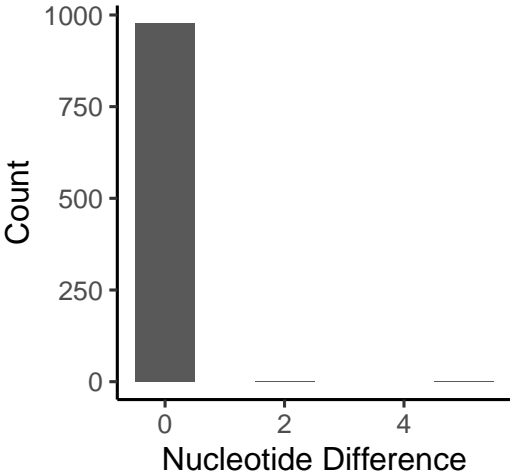
TRBV21-1\*ap01

1775 sequences assigned  
1769 (99.7%) exact matches, in which:  
1767 unique CDR3  
13 unique J



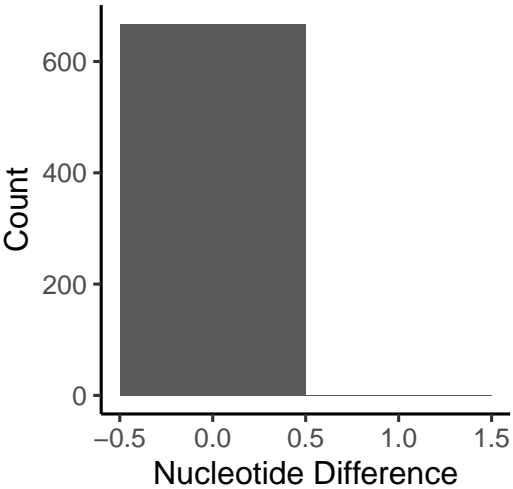
TRBV11-3\*ap01

979 sequences assigned  
977 (99.8%) exact matches, in which:  
976 unique CDR3  
13 unique J



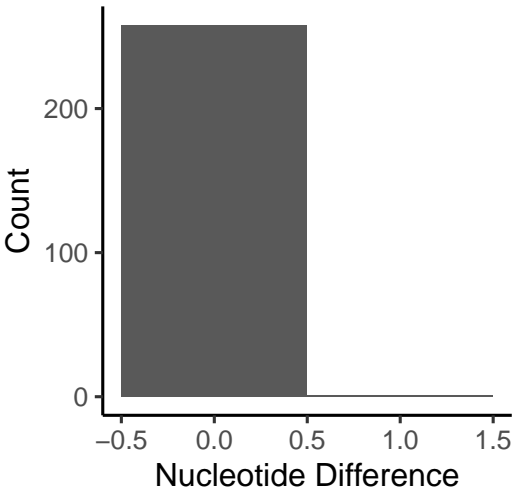
TRBV12-5\*ap01

669 sequences assigned  
668 (99.9%) exact matches, in which:  
668 unique CDR3  
13 unique J



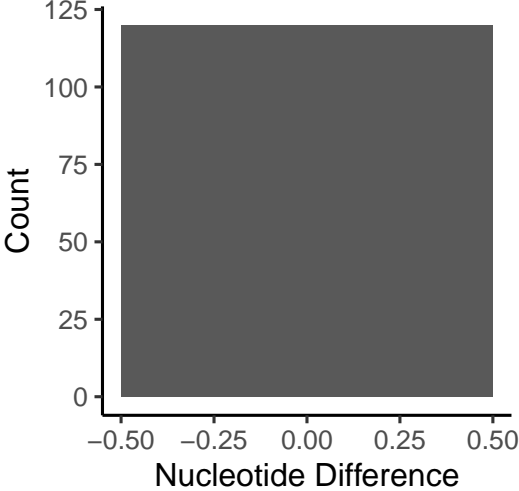
TRBV11-1\*ap01

259 sequences assigned  
258 (99.6%) exact matches, in which:  
255 unique CDR3  
12 unique J



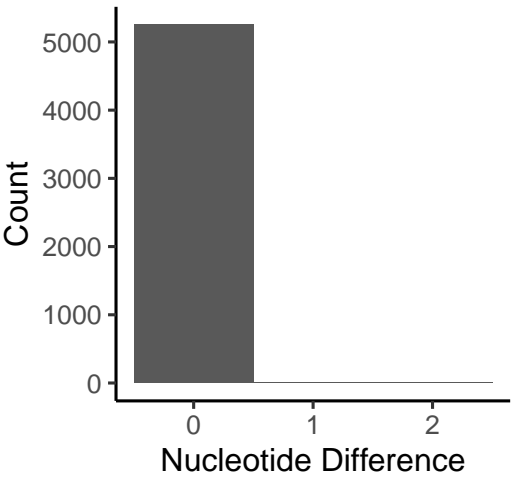
TRBV12-1\*ap01

120 sequences assigned  
120 (100%) exact matches, in which:  
120 unique CDR3  
13 unique J



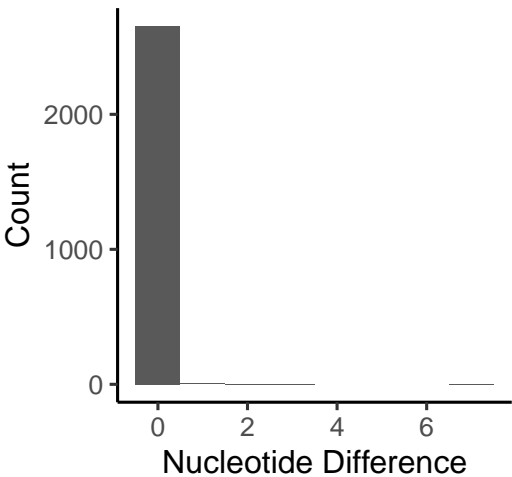
TRBV12-34\*ap01

5262 sequences assigned  
5252 (99.8%) exact matches, in which:  
5241 unique CDR3  
13 unique J



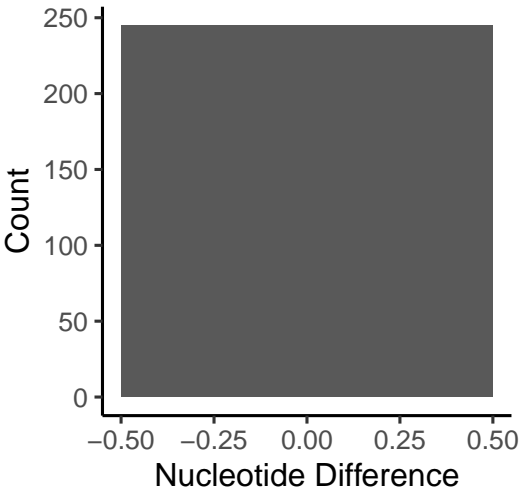
TRBV11-2\*ap01

2662 sequences assigned  
2654 (99.7%) exact matches, in which:  
2651 unique CDR3  
13 unique J



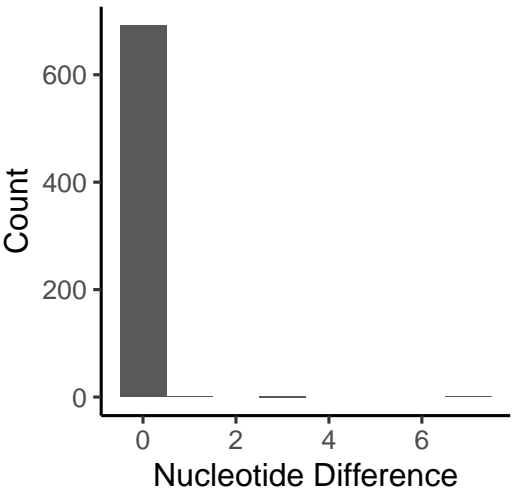
TRBV12-2\*ap01

245 sequences assigned  
245 (100%) exact matches, in which:  
244 unique CDR3  
13 unique J



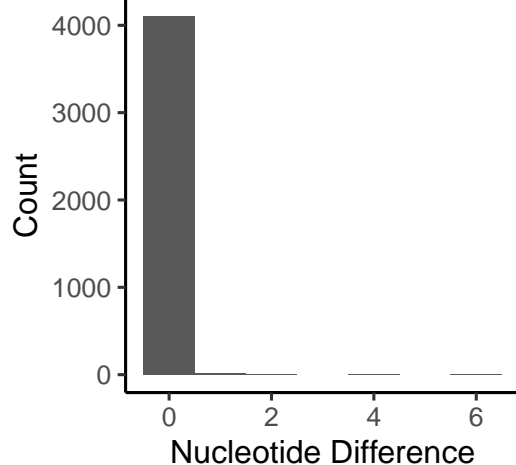
TRBV23-1\*ap01

696 sequences assigned  
692 (99.4%) exact matches, in which:  
692 unique CDR3  
13 unique J



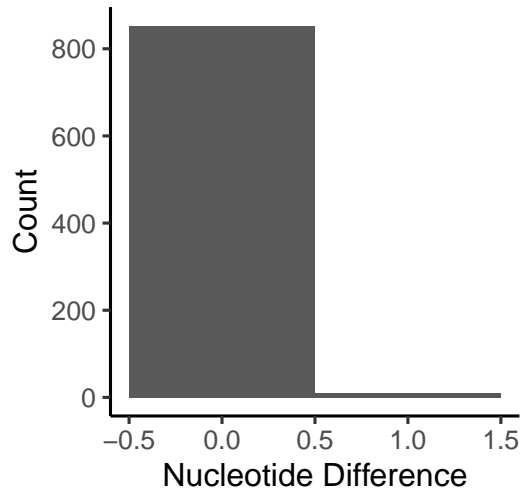
### TRBV3-12\*ap01

4122 sequences assigned  
4102 (99.5%) exact matches, in which:  
4085 unique CDR3  
13 unique J



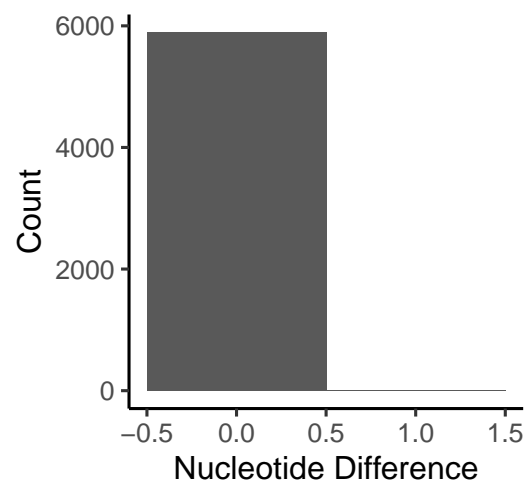
### TRBV4-2\*ap01

863 sequences assigned  
853 (98.8%) exact matches, in which:  
847 unique CDR3  
13 unique J



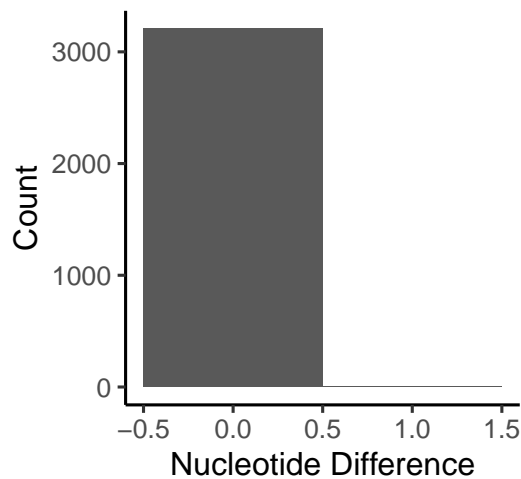
### TRBV5-1\*ap01

5904 sequences assigned  
5892 (99.8%) exact matches, in which:  
5852 unique CDR3  
13 unique J



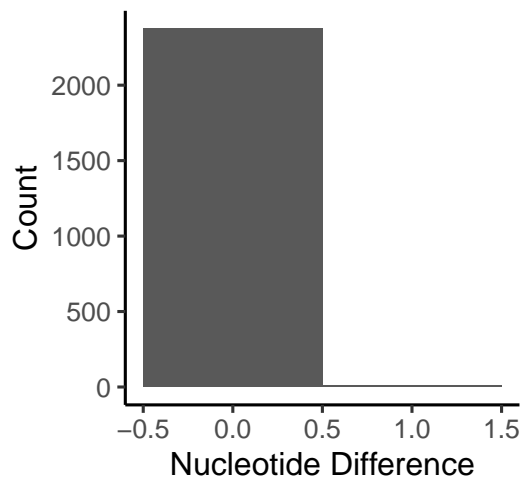
### TRBV4-1\*ap01

3213 sequences assigned  
3207 (99.8%) exact matches, in which:  
3197 unique CDR3  
13 unique J



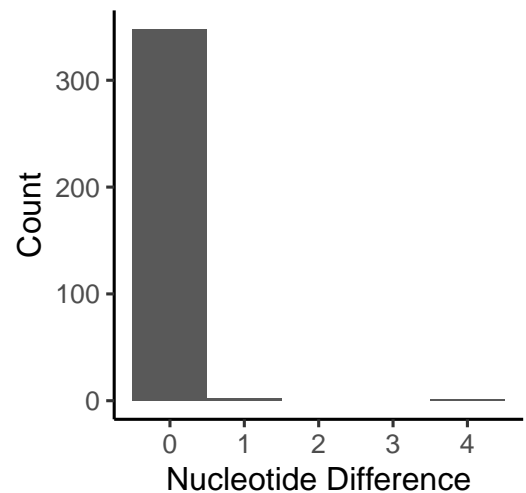
### TRBV4-3\*ap01

2386 sequences assigned  
2374 (99.5%) exact matches, in which:  
2366 unique CDR3  
13 unique J



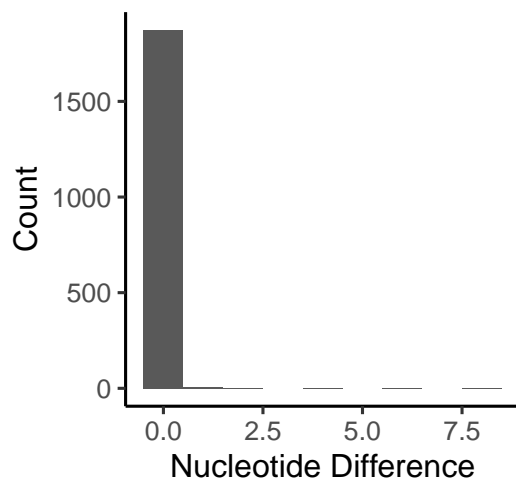
### TRBV5-3\*ap01

351 sequences assigned  
348 (99.1%) exact matches, in which:  
346 unique CDR3  
13 unique J



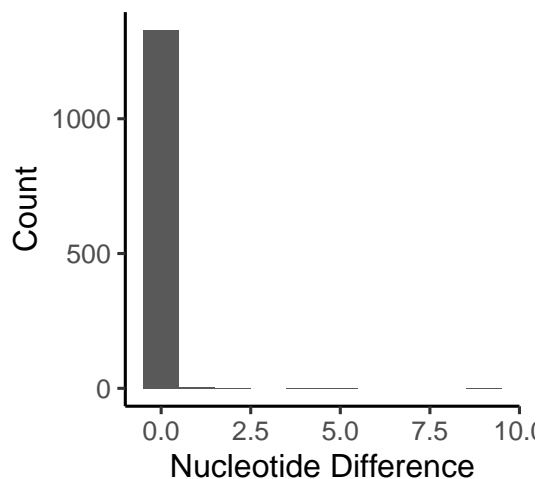
### TRBV24-1\*ap01

1885 sequences assigned  
1873 (99.4%) exact matches, in which:  
1871 unique CDR3  
13 unique J



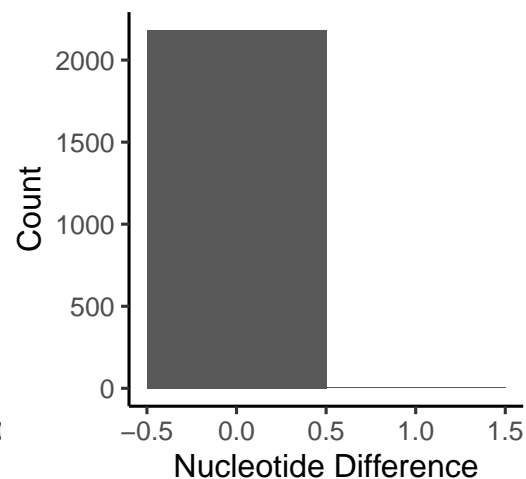
### TRBV25-1\*ap01

1339 sequences assigned  
1329 (99.3%) exact matches, in which:  
1328 unique CDR3  
13 unique J



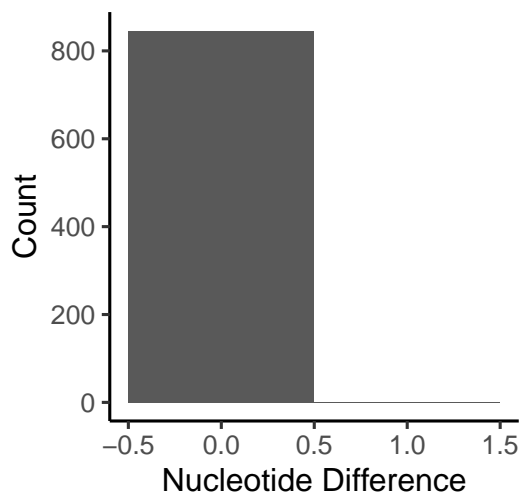
### TRBV5-4\*ap01

2189 sequences assigned  
2183 (99.7%) exact matches, in which:  
2179 unique CDR3  
13 unique J



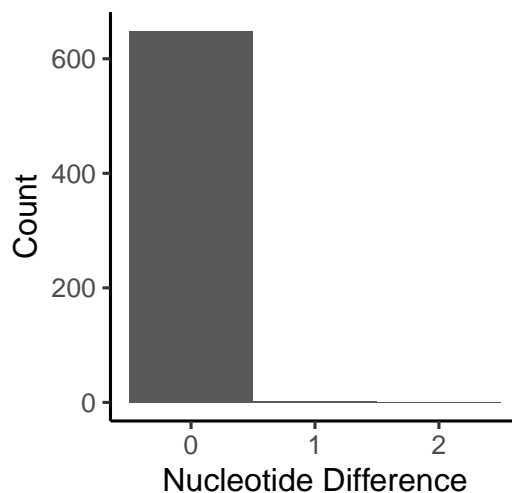
### TRBV5-5\*ap01

847 sequences assigned  
846 (99.9%) exact matches, in which:  
843 unique CDR3  
13 unique J



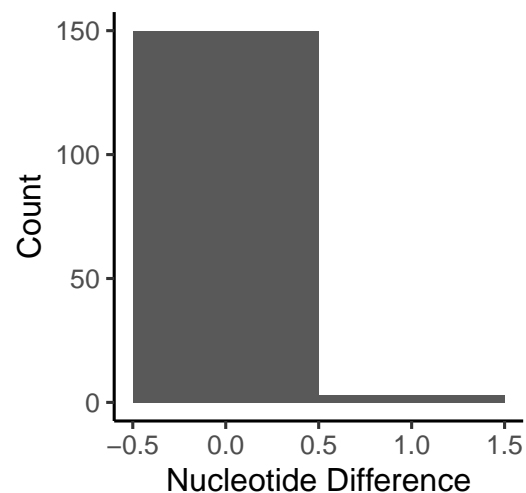
### TRBV5-8\*ap01

652 sequences assigned  
649 (99.5%) exact matches, in which:  
648 unique CDR3  
13 unique J



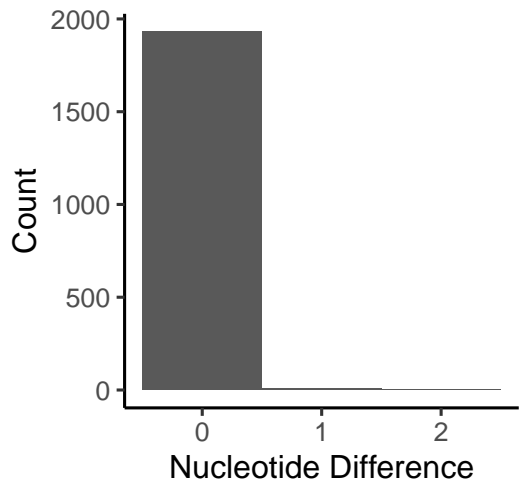
### TRBV6-7\*ap01

153 sequences assigned  
150 (98%) exact matches, in which:  
149 unique CDR3  
13 unique J



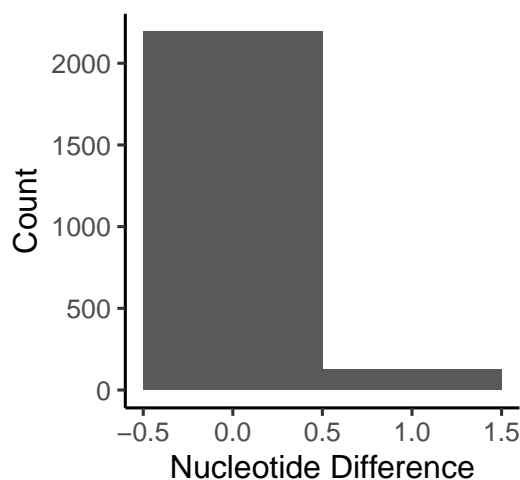
### TRBV5-6\*ap01

1938 sequences assigned  
1931 (99.6%) exact matches, in which:  
1921 unique CDR3  
13 unique J



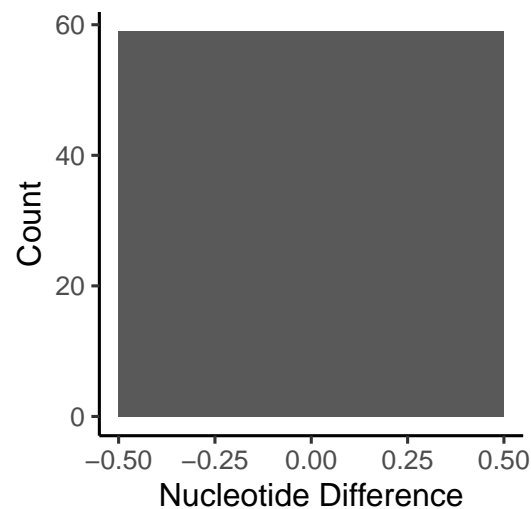
### TRBV6-1\*ap01

2316 sequences assigned  
2193 (94.7%) exact matches, in which:  
2187 unique CDR3  
13 unique J



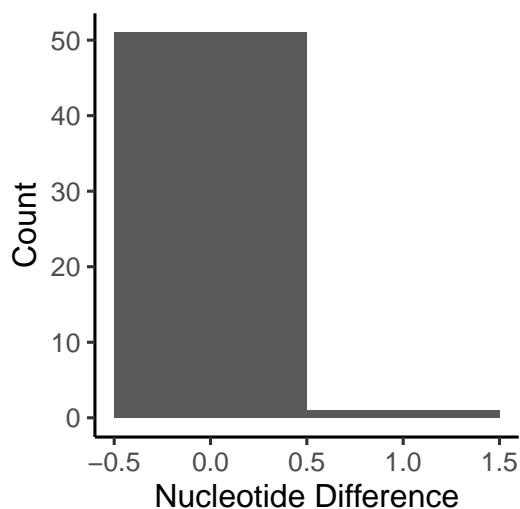
### TRBV6-8\*ap01

59 sequences assigned  
59 (100%) exact matches, in which:  
59 unique CDR3  
12 unique J



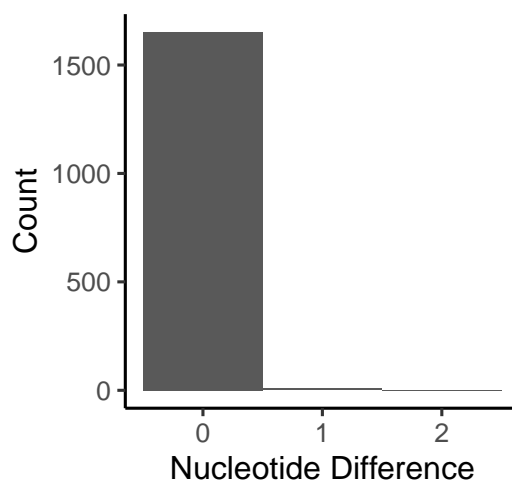
### TRBV5-7\*ap01

52 sequences assigned  
51 (98.1%) exact matches, in which:  
51 unique CDR3  
11 unique J



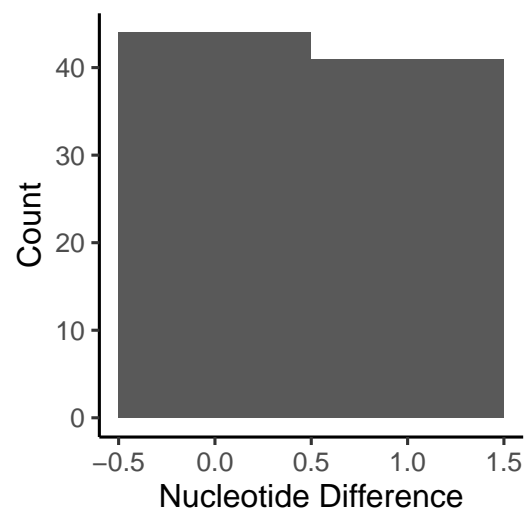
### TRBV6-4\*ap01

1662 sequences assigned  
1652 (99.4%) exact matches, in which:  
1647 unique CDR3  
13 unique J



### TRBV6-9\*ap01

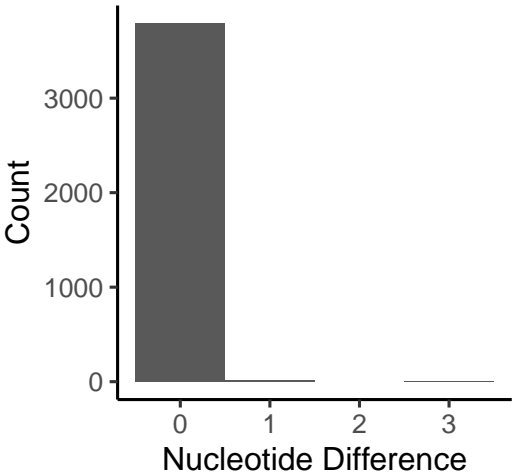
85 sequences assigned  
44 (51.8%) exact matches, in which:  
44 unique CDR3  
11 unique J





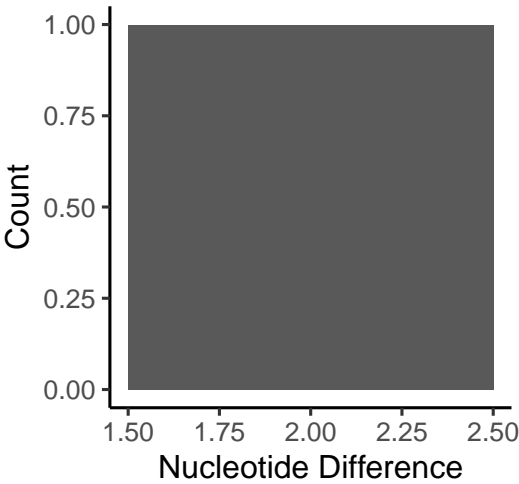
TRBV6-23\*ap01

3808 sequences assigned  
3791 (99.6%) exact matches, in which:  
3777 unique CDR3  
13 unique J



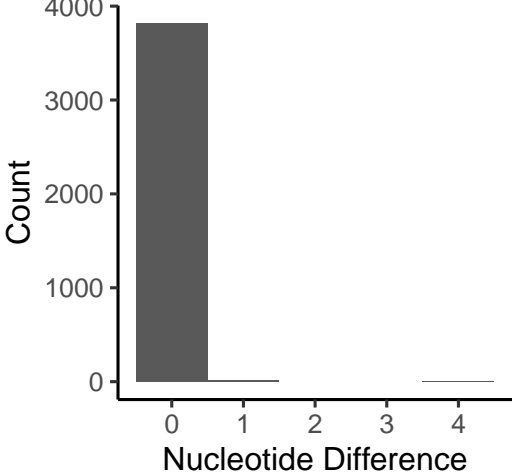
TRBV7-1\*ap01

1 sequences assigned  
No exact matches.



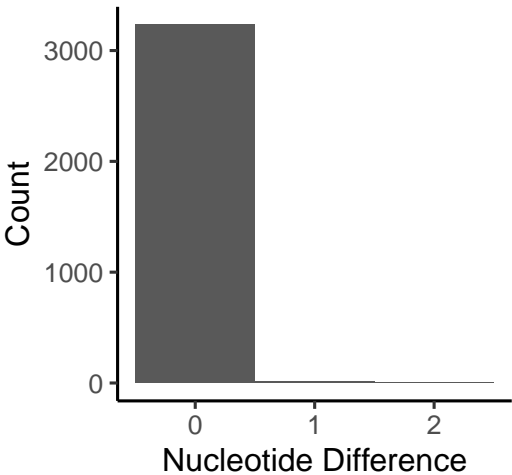
TRBV7-2\*ap01

3828 sequences assigned  
3816 (99.7%) exact matches, in which:  
3803 unique CDR3  
13 unique J



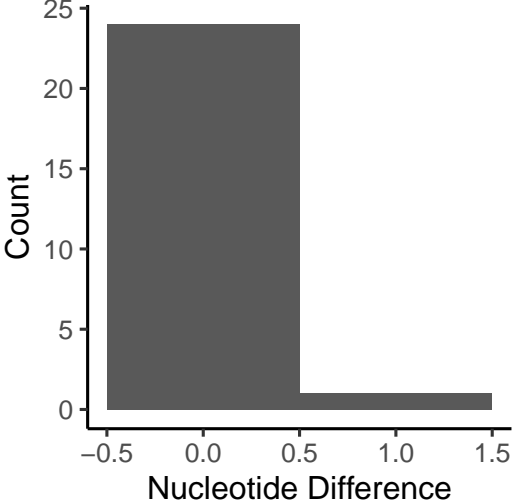
TRBV6-56\*ap01

3251 sequences assigned  
3233 (99.4%) exact matches, in which:  
3217 unique CDR3  
13 unique J



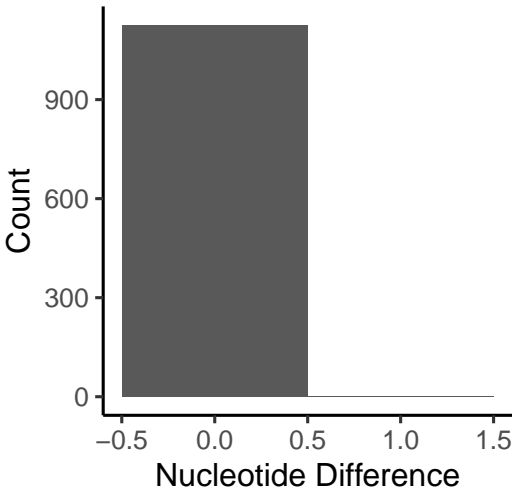
TRBV7-1\*ap01\_G291C\_T

25 sequences assigned  
24 (96%) exact matches, in which:  
24 unique CDR3  
11 unique J



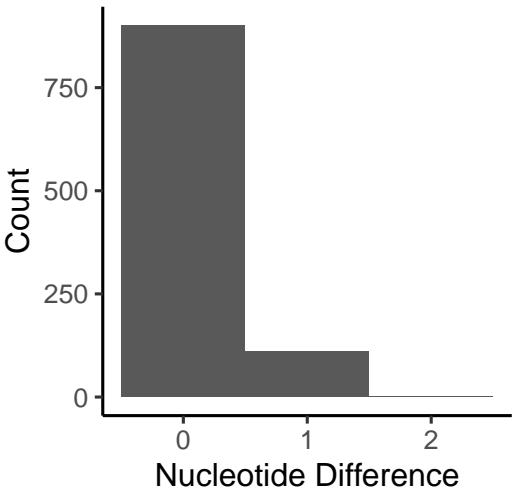
TRBV7-3\*ap01

1129 sequences assigned  
1126 (99.7%) exact matches, in which:  
1124 unique CDR3  
13 unique J



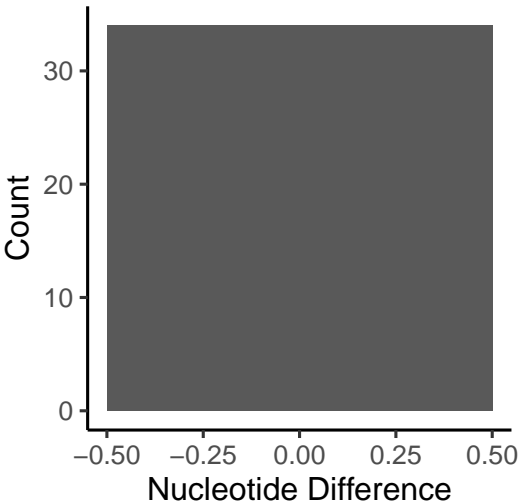
TRBV6-56\*ap02

1012 sequences assigned  
901 (89%) exact matches, in which:  
898 unique CDR3  
13 unique J



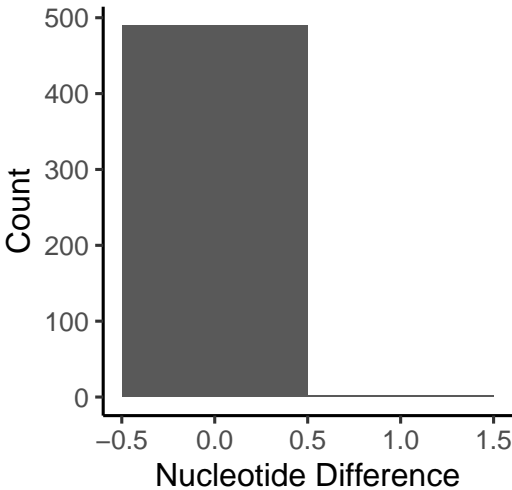
TRBV7-1\*ap01\_G291C\_T

34 sequences assigned  
34 (100%) exact matches, in which:  
34 unique CDR3  
12 unique J



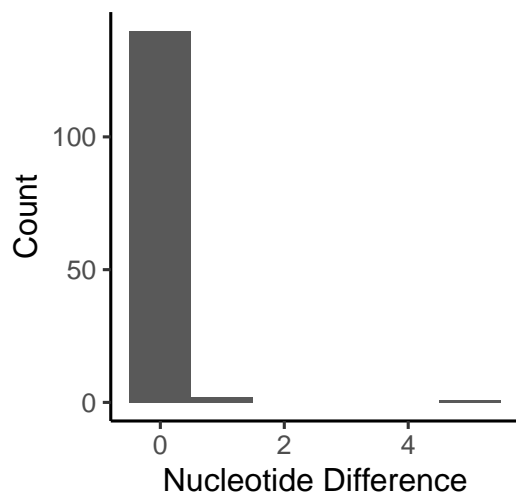
TRBV7-3\*ap02

492 sequences assigned  
490 (99.6%) exact matches, in which:  
488 unique CDR3  
13 unique J



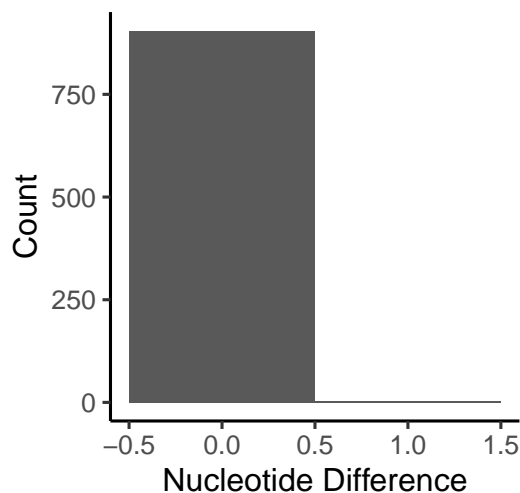
### TRBV7-4\*ap01

143 sequences assigned  
140 (97.9%) exact matches, in which:  
140 unique CDR3  
13 unique J



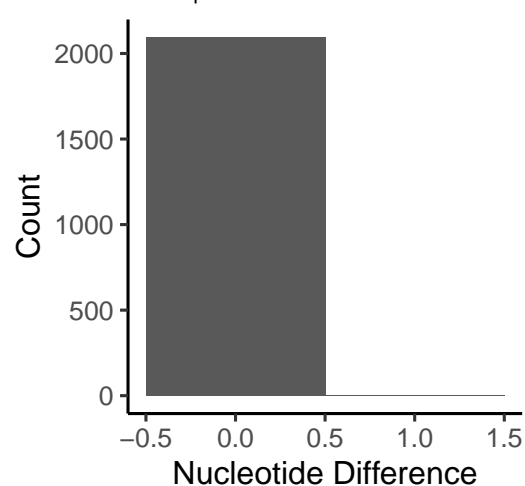
### TRBV7-8\*ap01

908 sequences assigned  
905 (99.7%) exact matches, in which:  
905 unique CDR3  
13 unique J



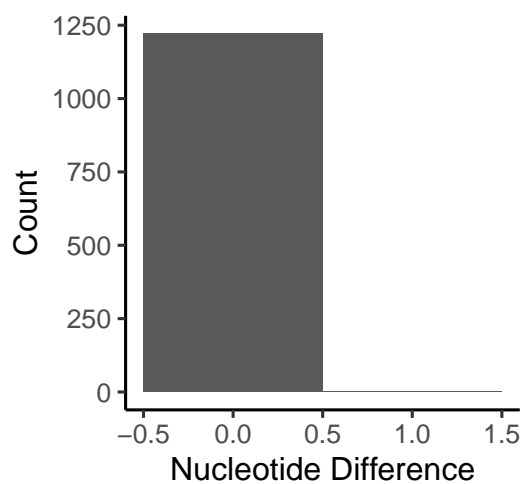
### TRBV29-1\*ap01

2098 sequences assigned  
2094 (99.8%) exact matches, in which:  
2089 unique CDR3  
13 unique J



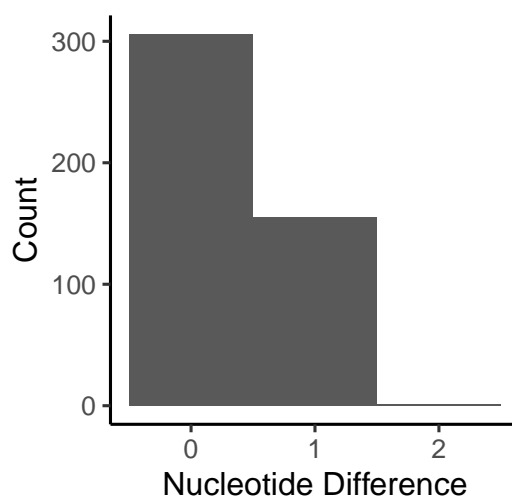
### TRBV7-6\*ap01

1224 sequences assigned  
1221 (99.8%) exact matches, in which:  
1219 unique CDR3  
13 unique J



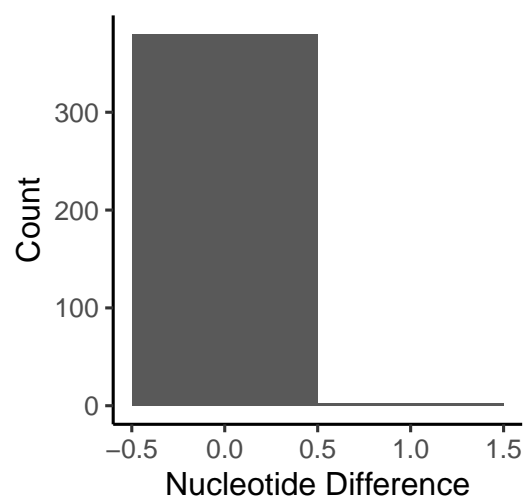
### TRBV7-8\*ap03

462 sequences assigned  
306 (66.2%) exact matches, in which:  
305 unique CDR3  
13 unique J



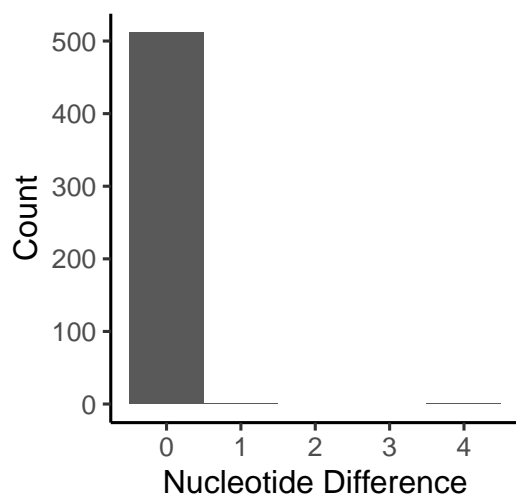
### TRBV29-1\*ap02

383 sequences assigned  
380 (99.2%) exact matches, in which:  
379 unique CDR3  
13 unique J



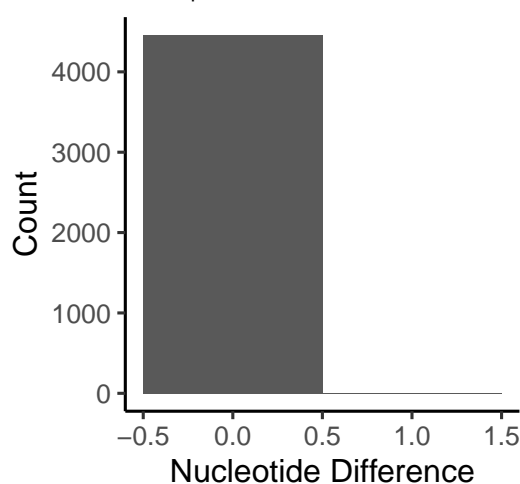
### TRBV7-7\*ap01

514 sequences assigned  
512 (99.6%) exact matches, in which:  
511 unique CDR3  
13 unique J

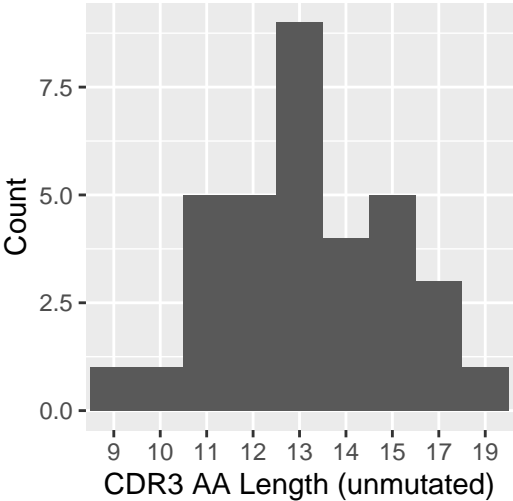


### TRBV7-9\*ap01

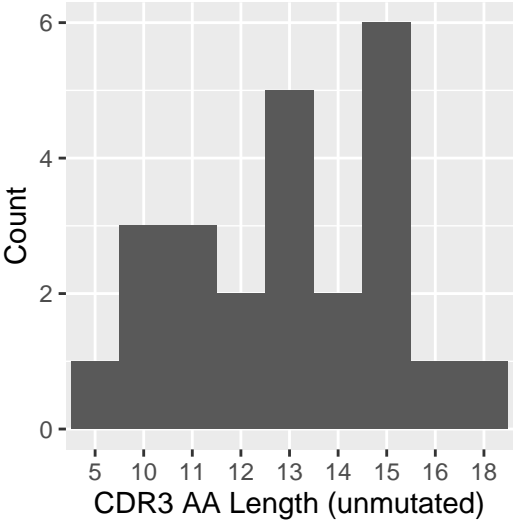
4463 sequences assigned  
4458 (99.9%) exact matches, in which:  
4448 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C





[illegible]