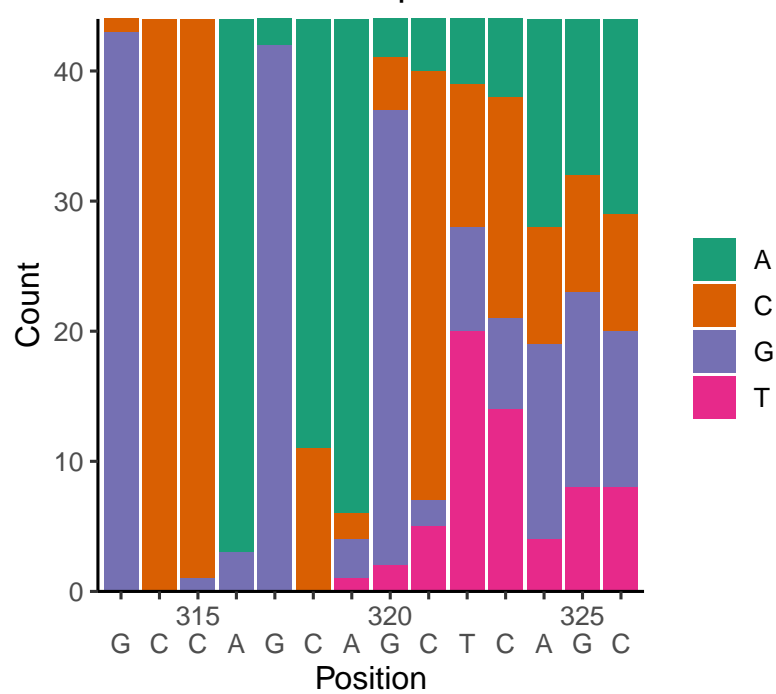
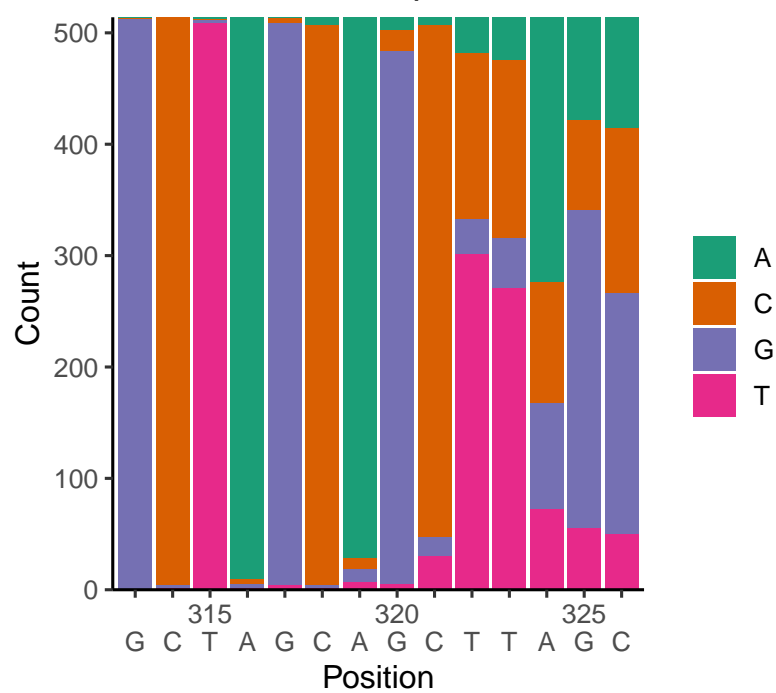


Gene TRBV7-1\*ap01\_T296C



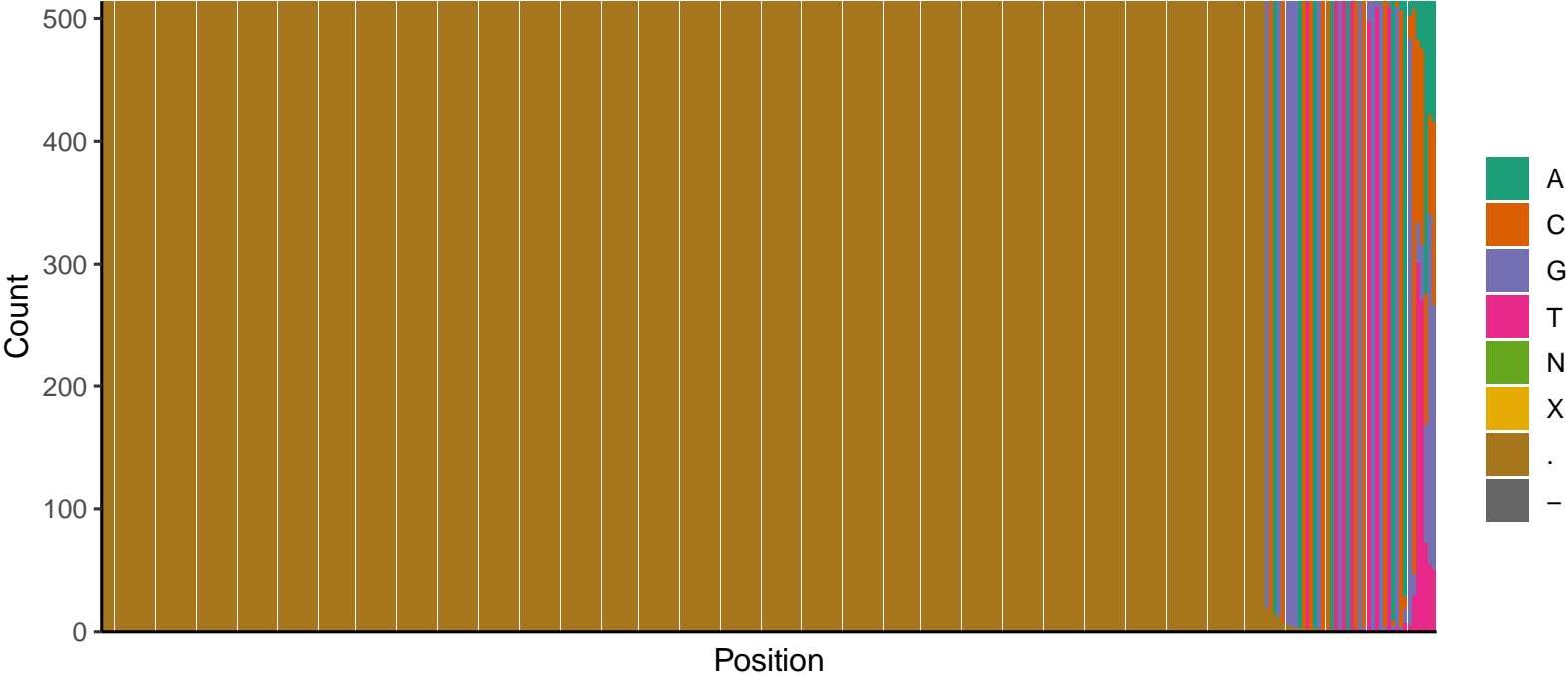
Gene TRBV7-7\*ap01\_C315T



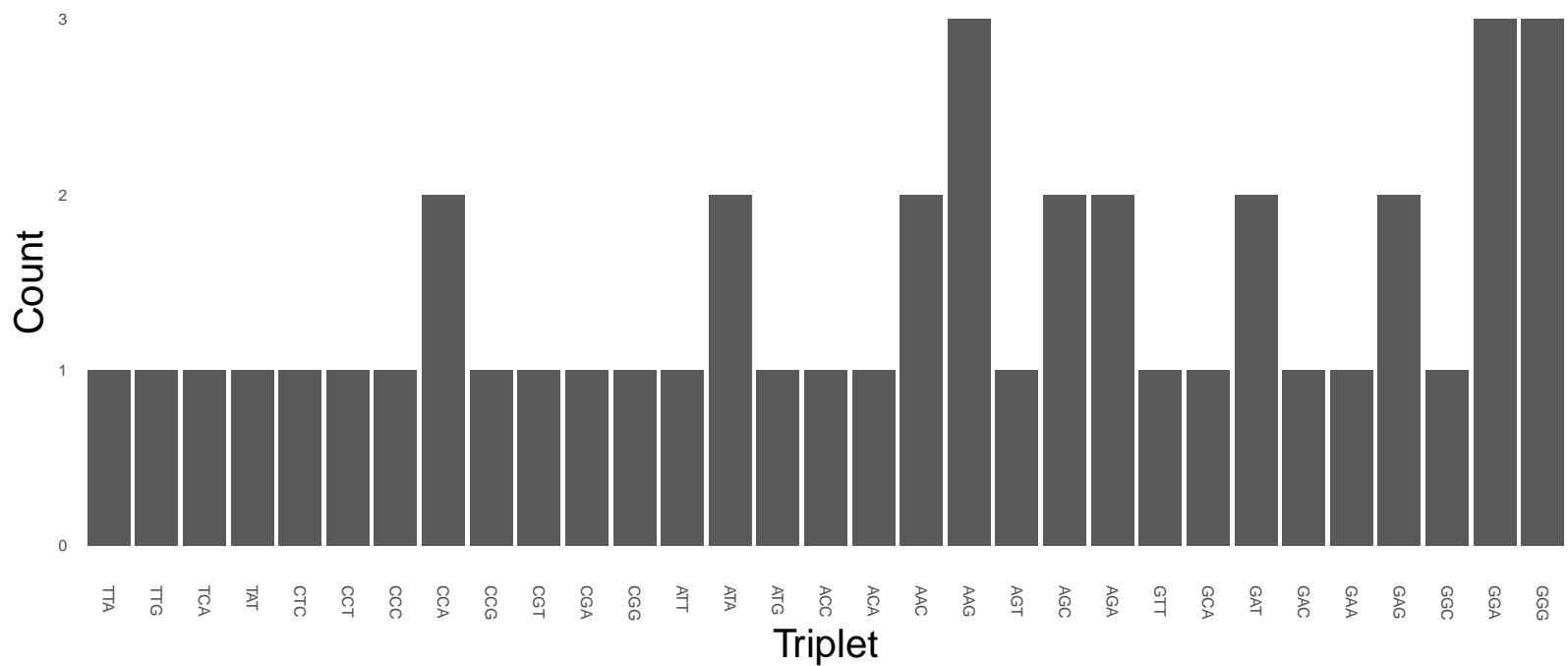
Gene TRBV7-1\*ap01\_T296C



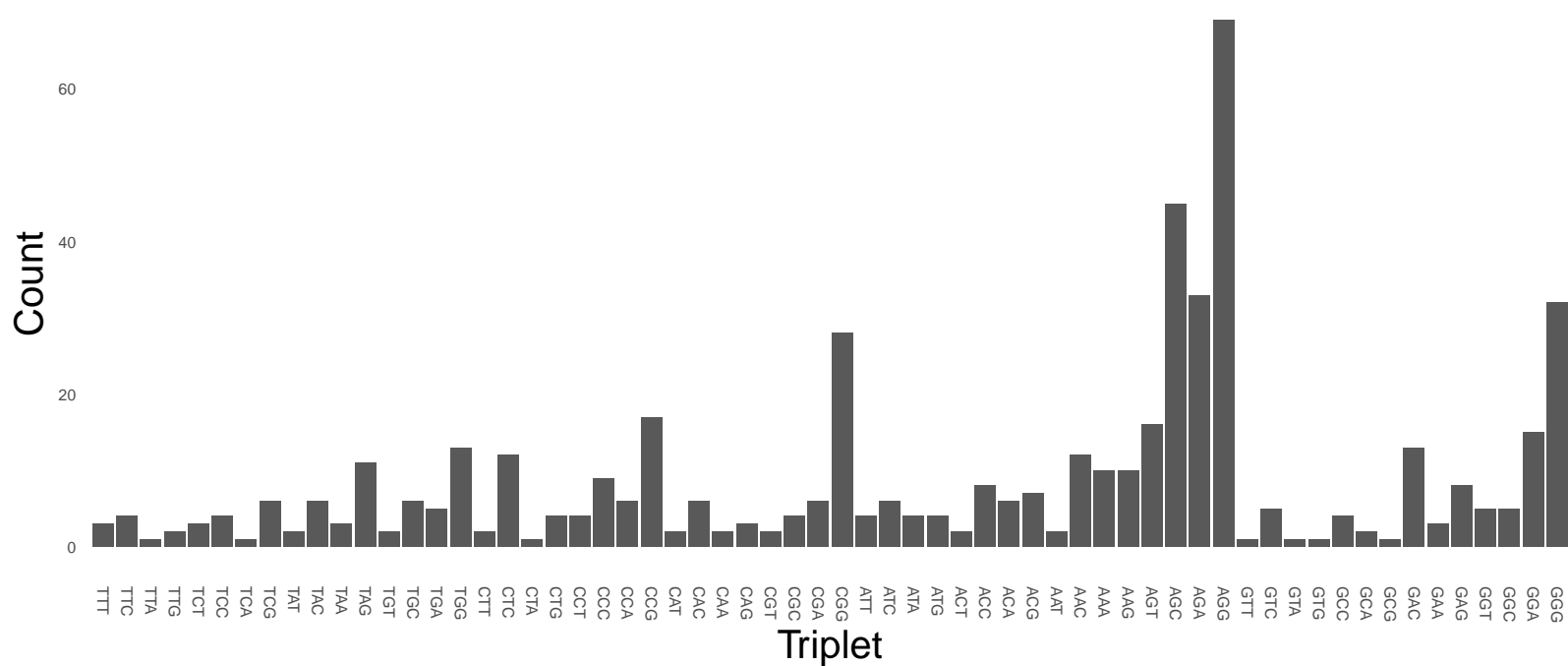
Gene TRBV7-7\*ap01\_C315T



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

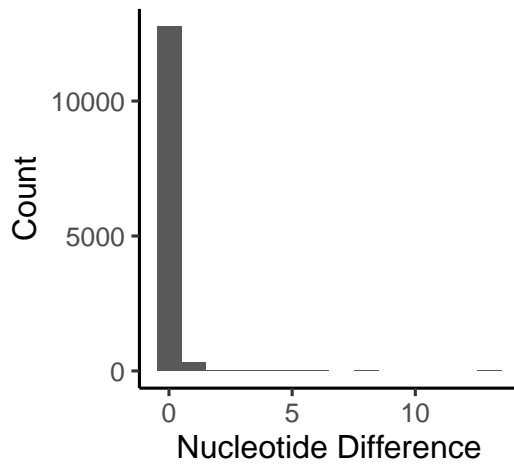


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



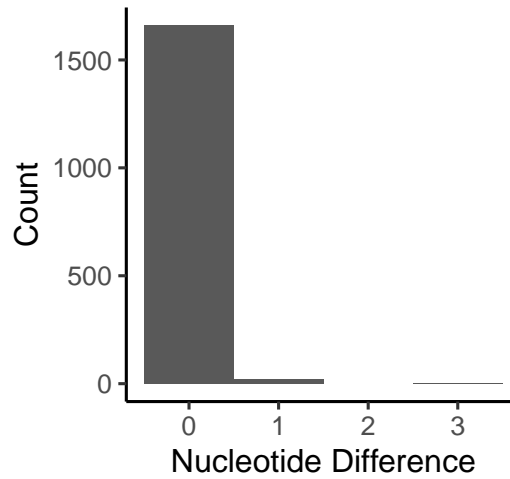
### TRBV20-1\*ap01

13122 sequences assigned  
12775 (97.4%) exact matches, in which:  
12429 unique CDR3  
13 unique J



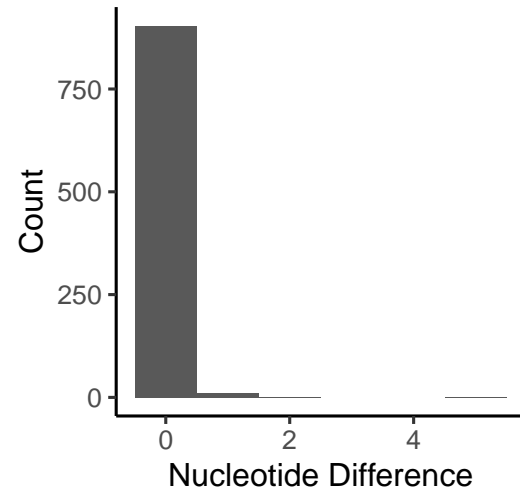
### TRBV10-3\*ap01

1683 sequences assigned  
1660 (98.6%) exact matches, in which:  
1645 unique CDR3  
13 unique J



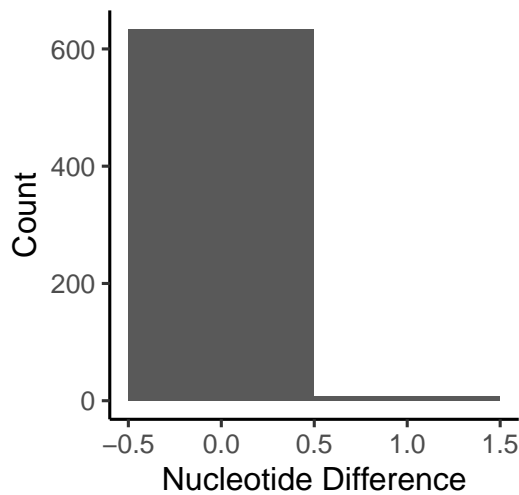
### TRBV14\*ap01

917 sequences assigned  
904 (98.6%) exact matches, in which:  
894 unique CDR3  
13 unique J



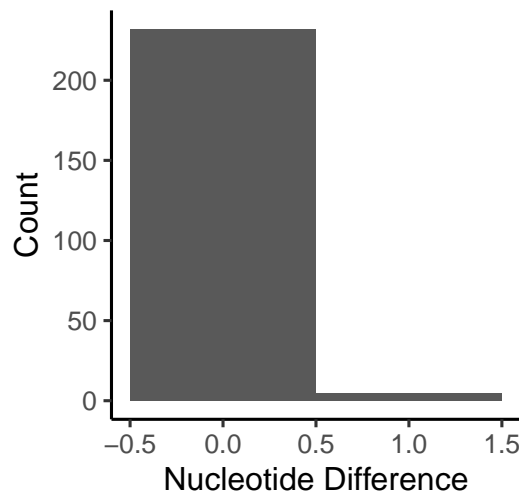
### TRBV10-1\*ap01

641 sequences assigned  
634 (98.9%) exact matches, in which:  
624 unique CDR3  
13 unique J



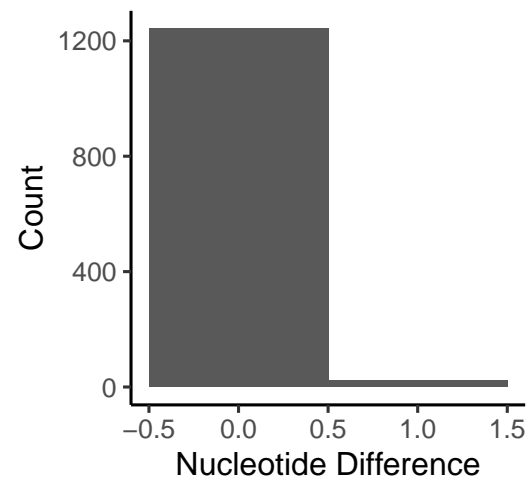
### TRBV1\*ap01

237 sequences assigned  
232 (97.9%) exact matches, in which:  
229 unique CDR3  
13 unique J



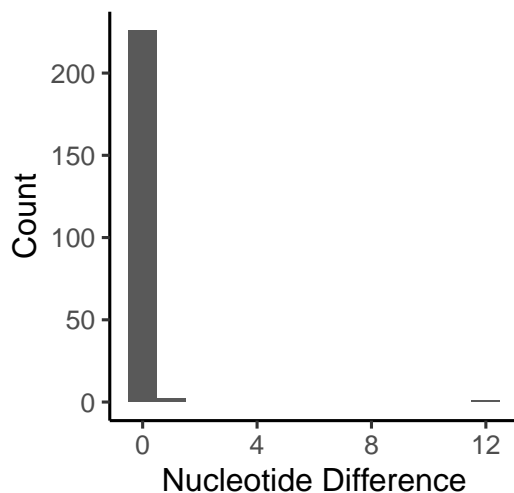
### TRBV15\*ap02

1264 sequences assigned  
1242 (98.3%) exact matches, in which:  
1226 unique CDR3  
13 unique J



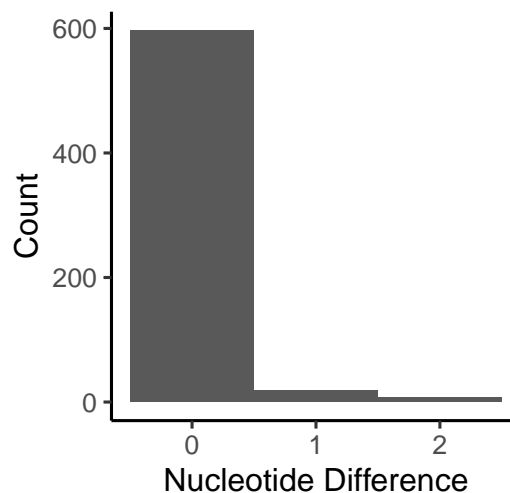
### TRBV10-2\*ap01

229 sequences assigned  
226 (98.7%) exact matches, in which:  
224 unique CDR3  
13 unique J



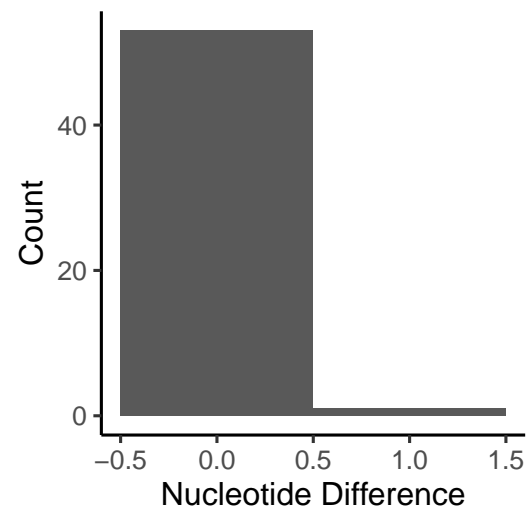
### TRBV13\*ap01

623 sequences assigned  
597 (95.8%) exact matches, in which:  
589 unique CDR3  
13 unique J



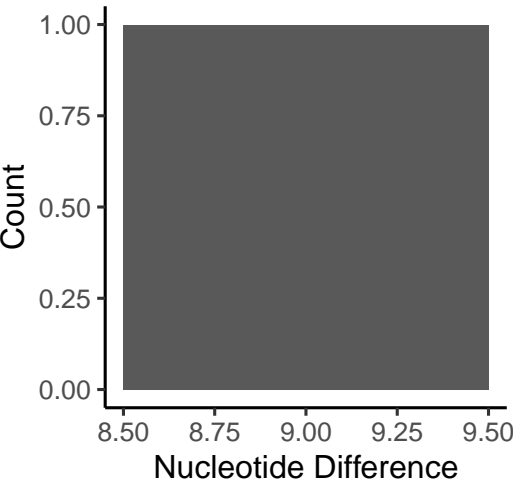
### TRBV16\*ap01

54 sequences assigned  
53 (98.1%) exact matches, in which:  
52 unique CDR3  
12 unique J



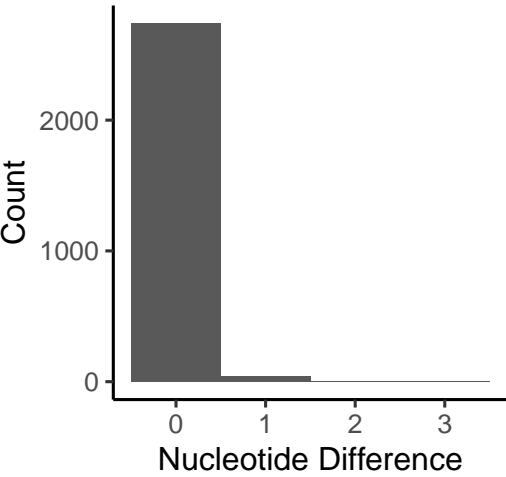
TRBV17\*ap01

1 sequences assigned  
No exact matches.



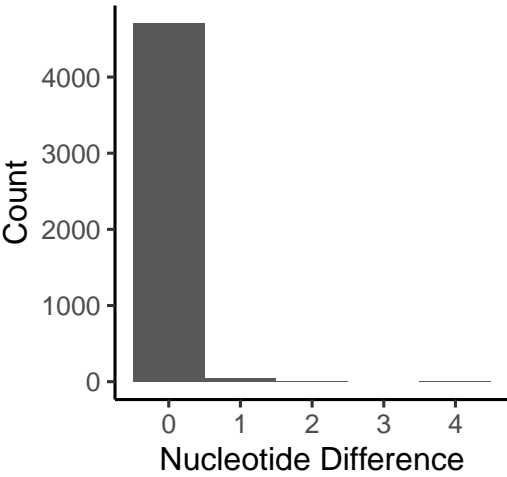
TRBV2\*ap01

2786 sequences assigned  
2740 (98.3%) exact matches, in which:  
2716 unique CDR3  
13 unique J



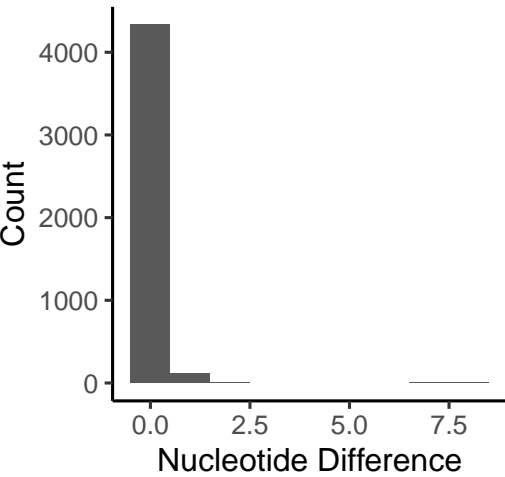
TRBV28\*ap01

4754 sequences assigned  
4704 (98.9%) exact matches, in which:  
4655 unique CDR3  
13 unique J



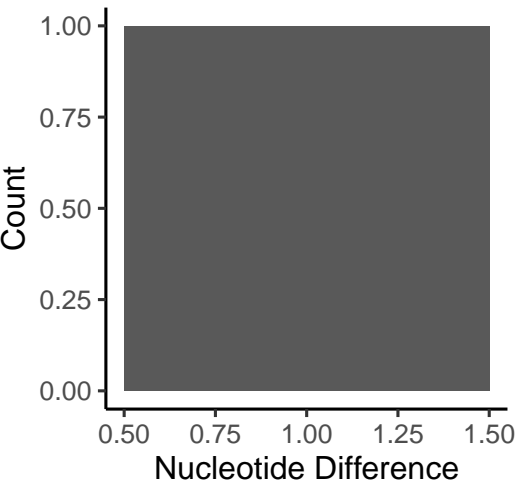
TRBV18\*ap01

4447 sequences assigned  
4333 (97.4%) exact matches, in which:  
4248 unique CDR3  
14 unique J



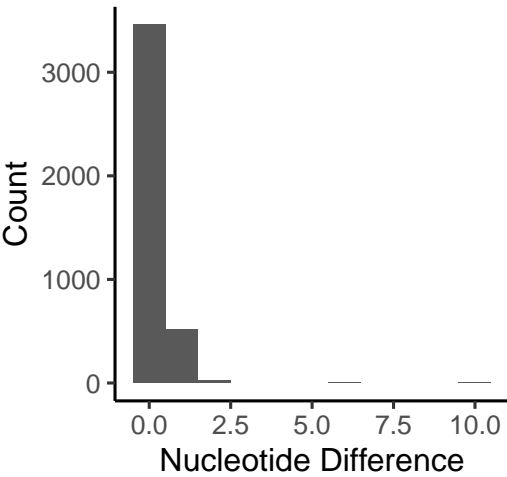
TRBV26\*ap01

1 sequences assigned  
No exact matches.



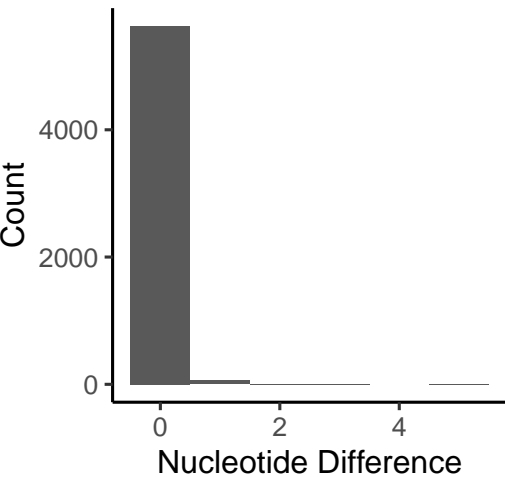
TRBV30\*ap01

3996 sequences assigned  
3459 (86.6%) exact matches, in which:  
3282 unique CDR3  
13 unique J



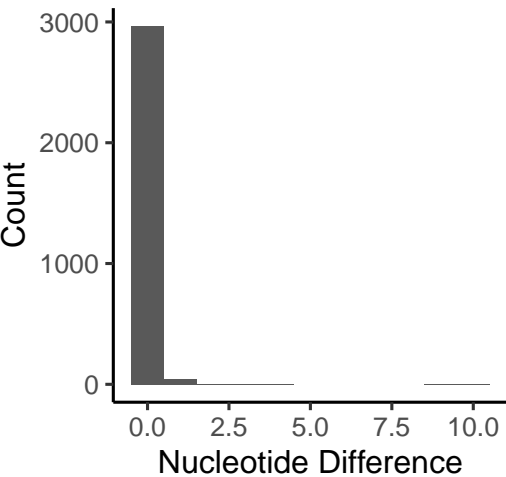
TRBV19\*ap01

5694 sequences assigned  
5630 (98.9%) exact matches, in which:  
5566 unique CDR3  
13 unique J



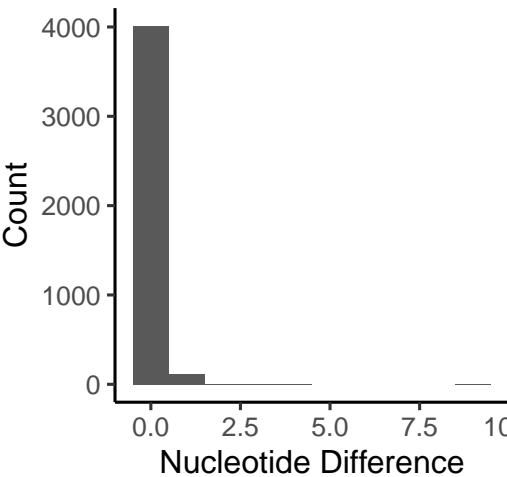
TRBV27\*ap01

3015 sequences assigned  
2966 (98.4%) exact matches, in which:  
2932 unique CDR3  
13 unique J



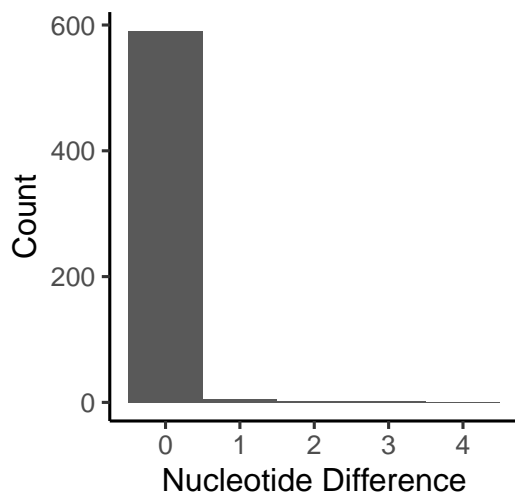
TRBV9\*ap01

4133 sequences assigned  
4010 (97%) exact matches, in which:  
3955 unique CDR3  
13 unique J



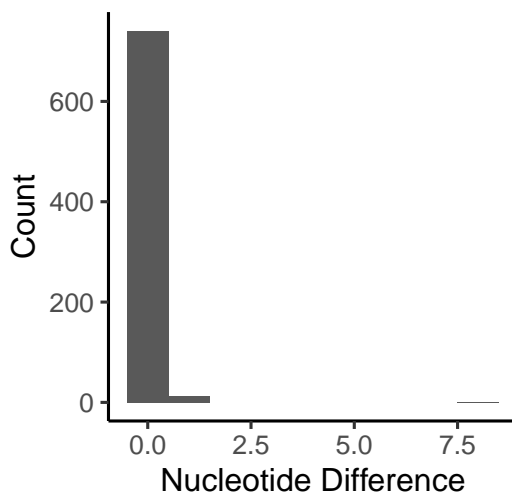
### TRBV21–1\*ap01

602 sequences assigned  
591 (98.2%) exact matches, in which:  
590 unique CDR3  
13 unique J



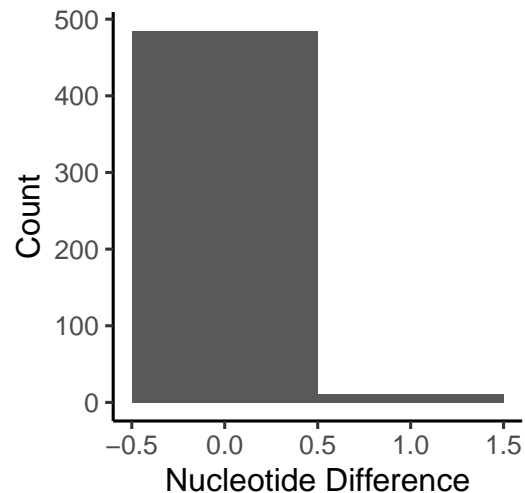
### TRBV11–3\*ap01

755 sequences assigned  
741 (98.1%) exact matches, in which:  
733 unique CDR3  
13 unique J



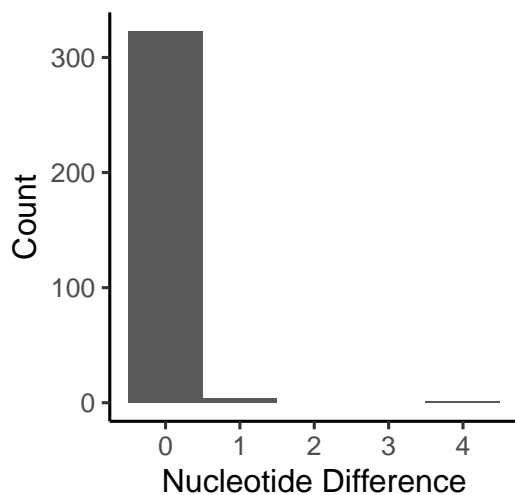
### TRBV12–5\*ap01

496 sequences assigned  
485 (97.8%) exact matches, in which:  
482 unique CDR3  
13 unique J



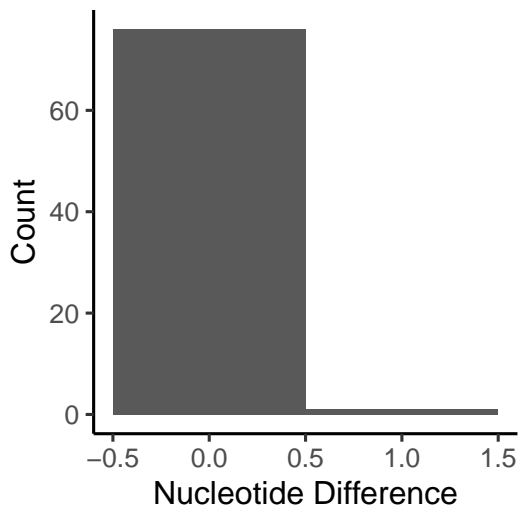
### TRBV11–1\*ap01

328 sequences assigned  
323 (98.5%) exact matches, in which:  
318 unique CDR3  
13 unique J



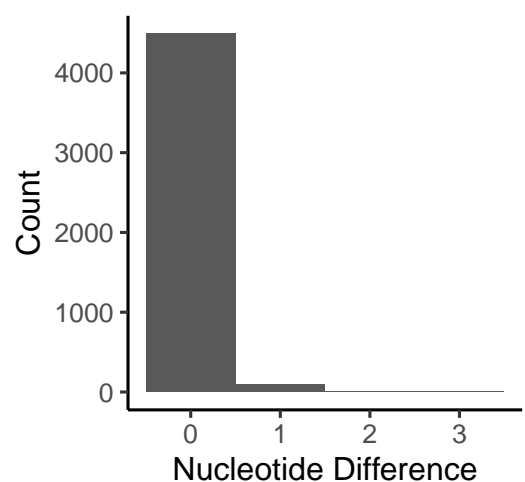
### TRBV12–1\*ap01

77 sequences assigned  
76 (98.7%) exact matches, in which:  
75 unique CDR3  
12 unique J



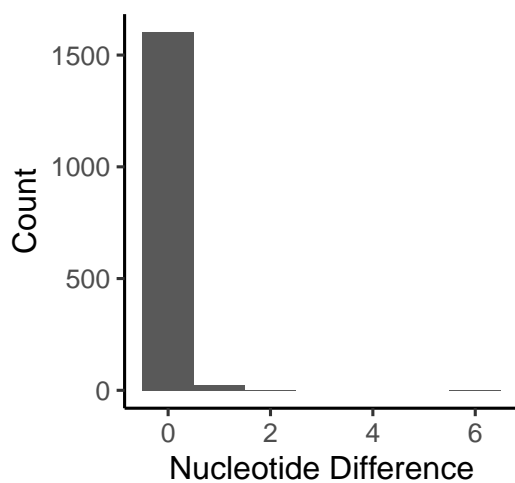
### TRBV12–34\*ap01

4588 sequences assigned  
4491 (97.9%) exact matches, in which:  
4429 unique CDR3  
13 unique J



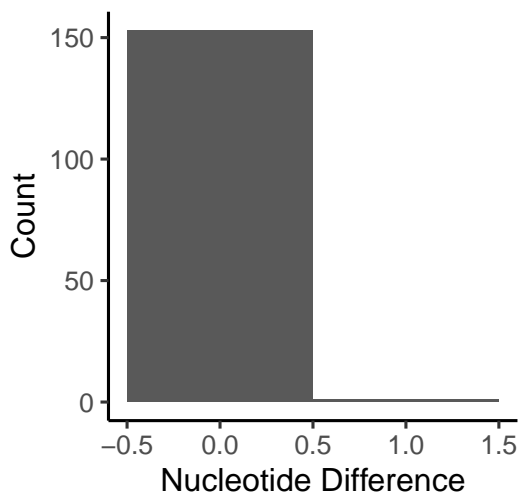
### TRBV11–2\*ap01

1631 sequences assigned  
1603 (98.3%) exact matches, in which:  
1580 unique CDR3  
13 unique J



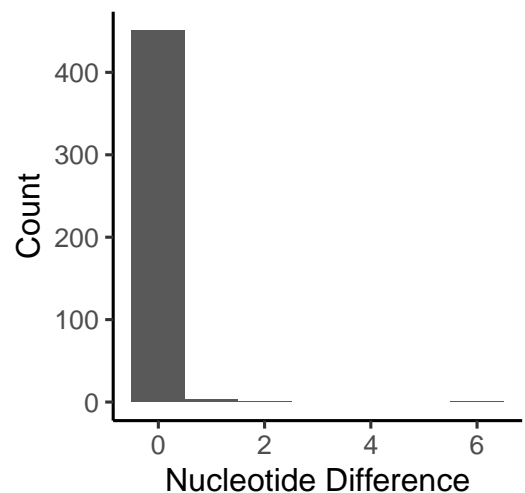
### TRBV12–2\*ap01

154 sequences assigned  
153 (99.4%) exact matches, in which:  
153 unique CDR3  
13 unique J



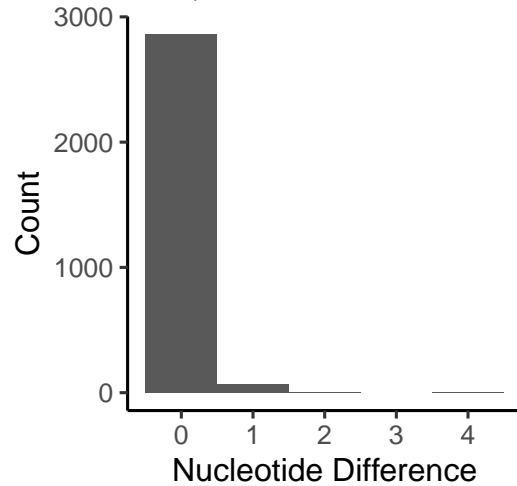
### TRBV23–1\*ap01

456 sequences assigned  
451 (98.9%) exact matches, in which:  
450 unique CDR3  
13 unique J



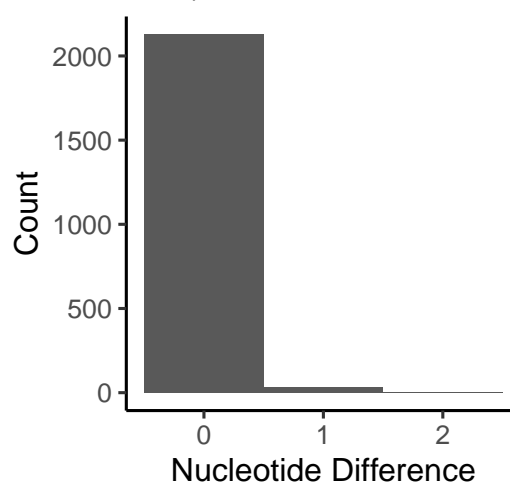
### TRBV3-12\*ap01

2929 sequences assigned  
2860 (97.6%) exact matches, in which:  
2831 unique CDR3  
13 unique J



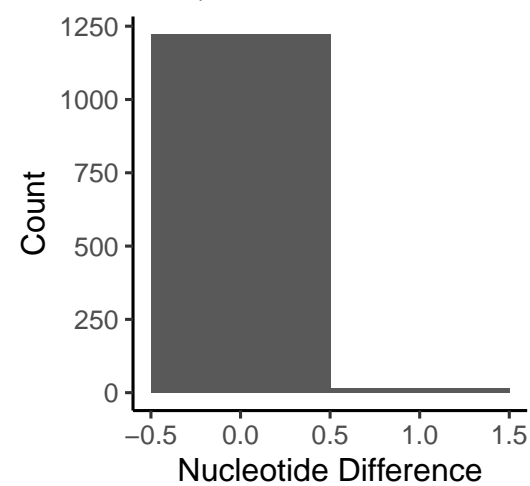
### TRBV4-2\*ap01

2159 sequences assigned  
2128 (98.6%) exact matches, in which:  
2092 unique CDR3  
13 unique J



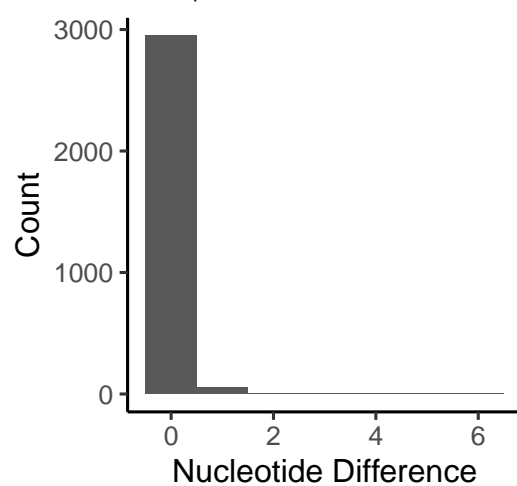
### TRBV25-1\*ap01

1239 sequences assigned  
1222 (98.6%) exact matches, in which:  
1205 unique CDR3  
13 unique J



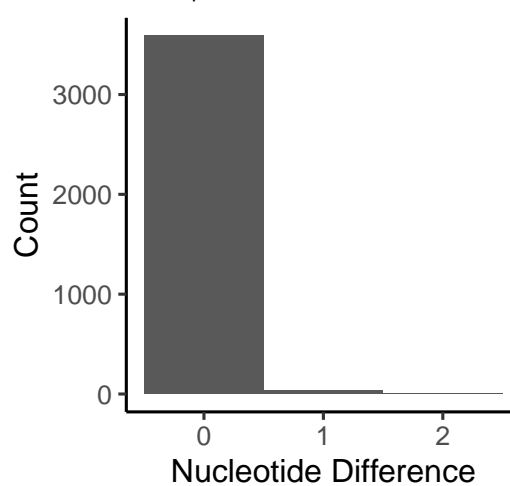
### TRBV24-1\*ap01

3006 sequences assigned  
2949 (98.1%) exact matches, in which:  
2915 unique CDR3  
13 unique J



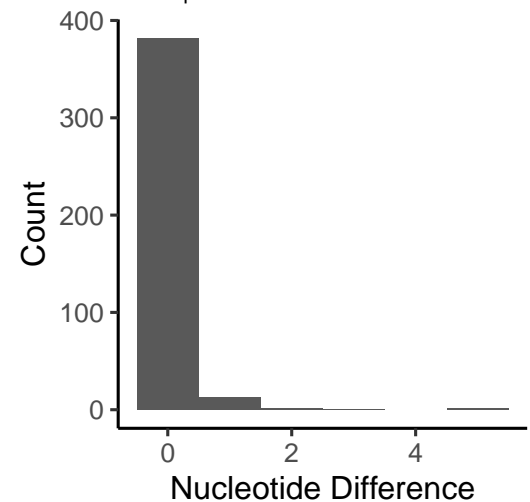
### TRBV4-3\*ap01

3626 sequences assigned  
3589 (99%) exact matches, in which:  
3527 unique CDR3  
13 unique J



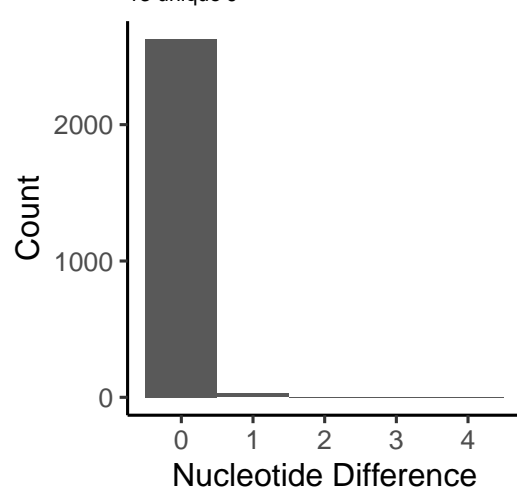
### TRBV5-3\*ap01

400 sequences assigned  
382 (95.5%) exact matches, in which:  
372 unique CDR3  
13 unique J



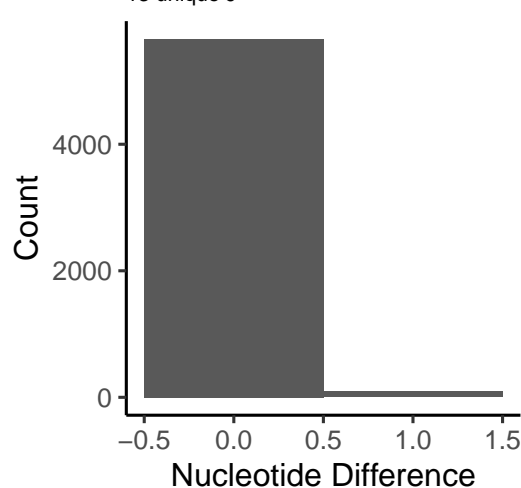
### TRBV4-1\*ap01

2662 sequences assigned  
2628 (98.7%) exact matches, in which:  
2567 unique CDR3  
13 unique J



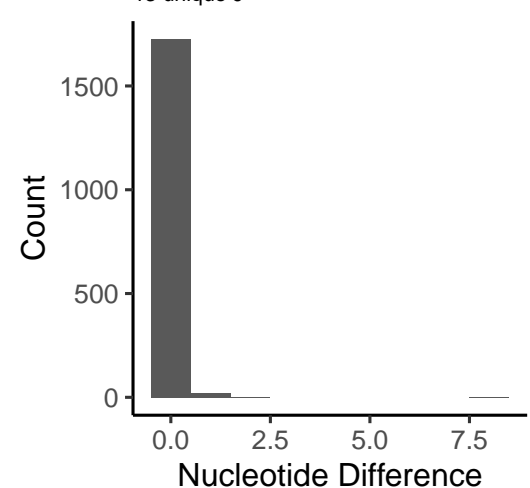
### TRBV5-1\*ap01

5755 sequences assigned  
5663 (98.4%) exact matches, in which:  
5562 unique CDR3  
13 unique J



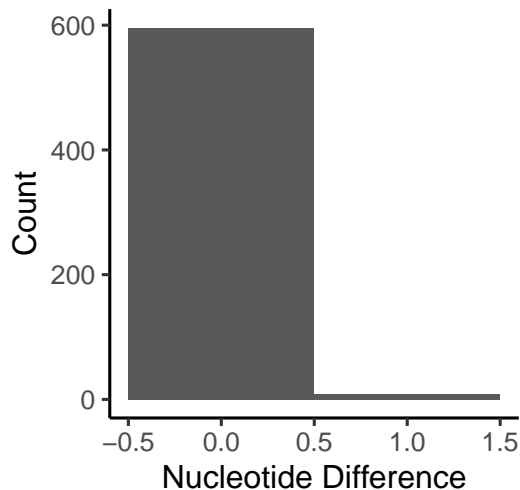
### TRBV5-4\*ap01

1749 sequences assigned  
1726 (98.7%) exact matches, in which:  
1707 unique CDR3  
13 unique J



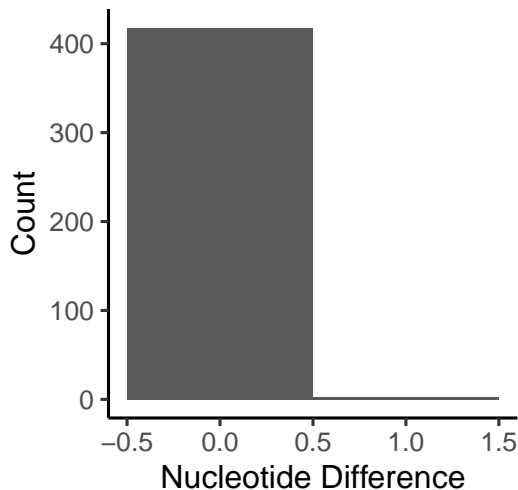
### TRBV5-5\*ap01

605 sequences assigned  
596 (98.5%) exact matches, in which:  
589 unique CDR3  
13 unique J



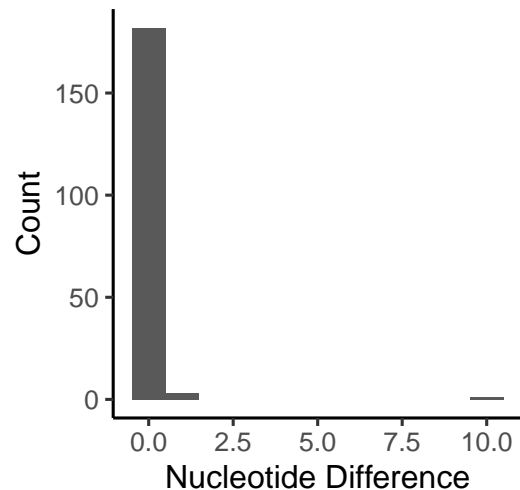
### TRBV5-8\*ap01

421 sequences assigned  
418 (99.3%) exact matches, in which:  
416 unique CDR3  
13 unique J



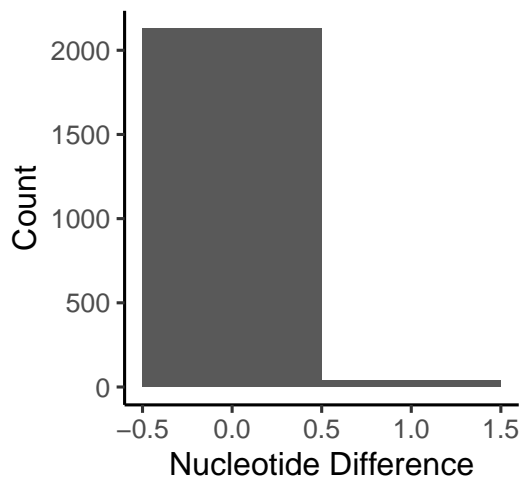
### TRBV6-7\*ap01

186 sequences assigned  
182 (97.8%) exact matches, in which:  
181 unique CDR3  
13 unique J



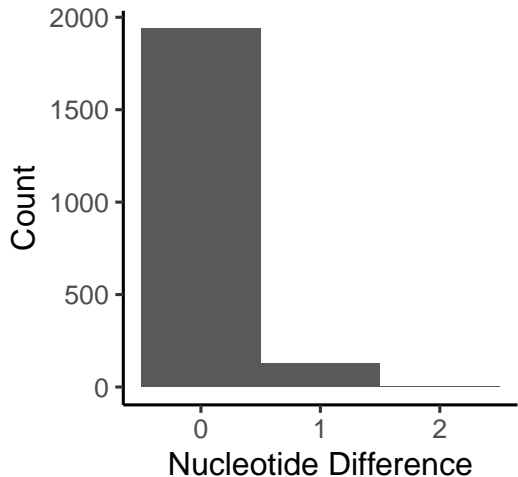
### TRBV5-6\*ap01

2165 sequences assigned  
2128 (98.3%) exact matches, in which:  
2056 unique CDR3  
13 unique J



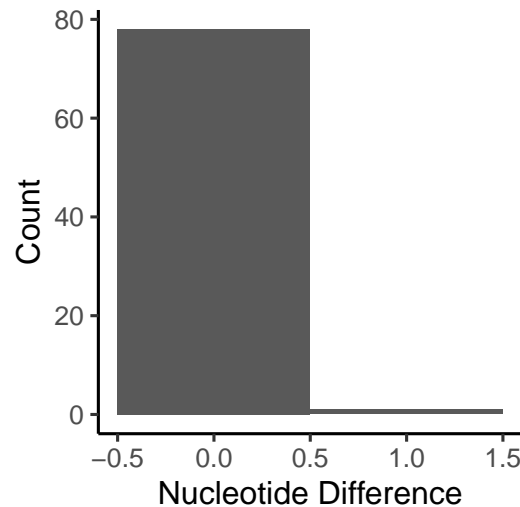
### TRBV6-1\*ap01

2067 sequences assigned  
1938 (93.8%) exact matches, in which:  
1910 unique CDR3  
13 unique J



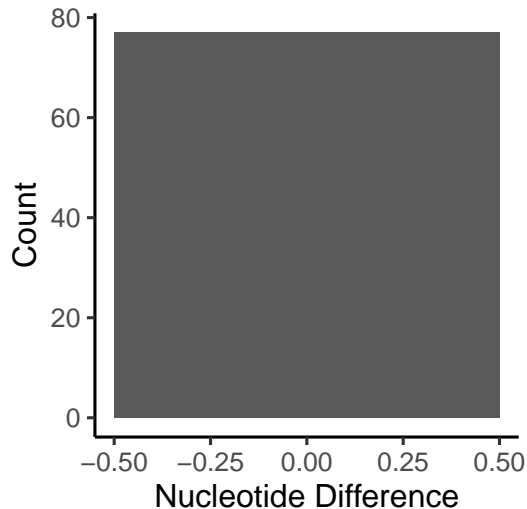
### TRBV6-8\*ap01

79 sequences assigned  
78 (98.7%) exact matches, in which:  
77 unique CDR3  
12 unique J



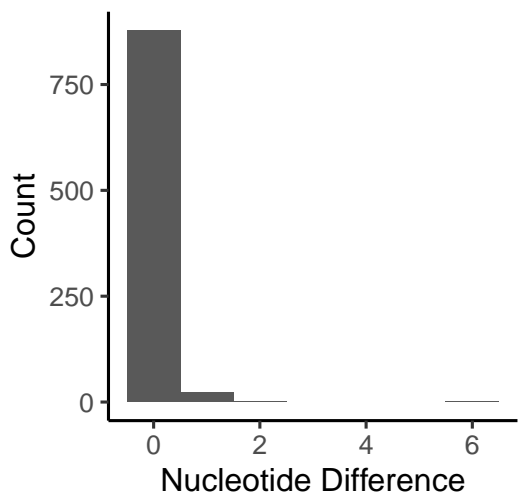
### TRBV5-7\*ap01

77 sequences assigned  
77 (100%) exact matches, in which:  
74 unique CDR3  
12 unique J



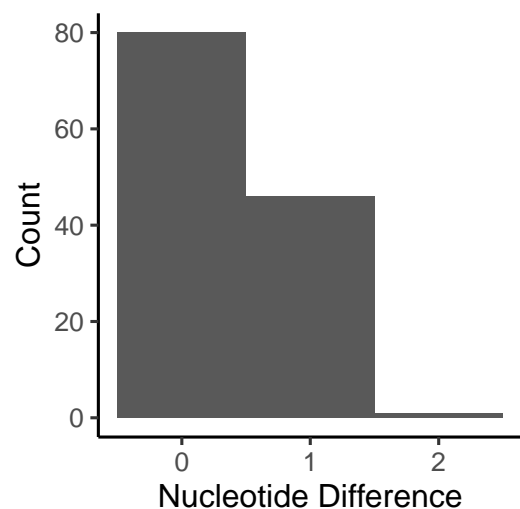
### TRBV6-4\*ap01

904 sequences assigned  
878 (97.1%) exact matches, in which:  
868 unique CDR3  
13 unique J



### TRBV6-9\*ap01

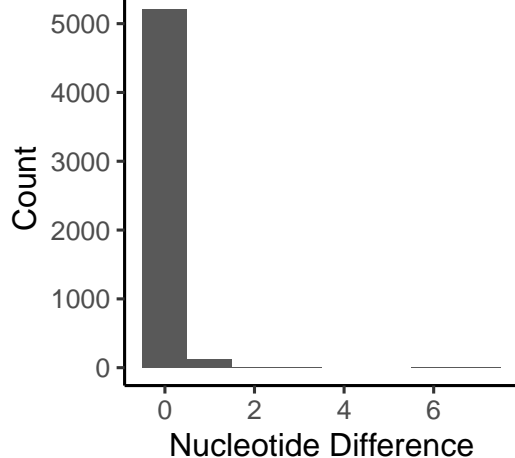
127 sequences assigned  
80 (63%) exact matches, in which:  
78 unique CDR3  
12 unique J





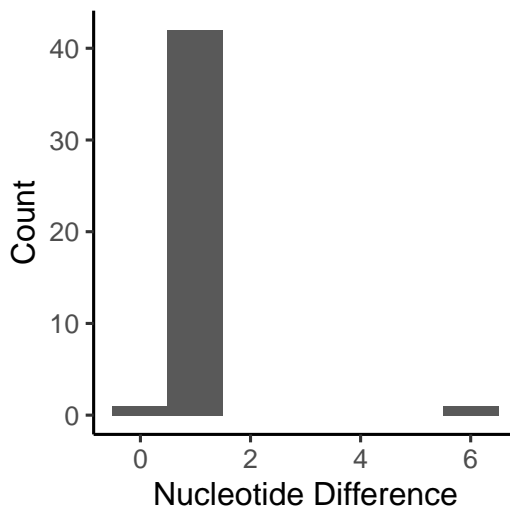
### TRBV6-23\*ap01

5345 sequences assigned  
5207 (97.4%) exact matches, in which:  
5114 unique CDR3  
13 unique J



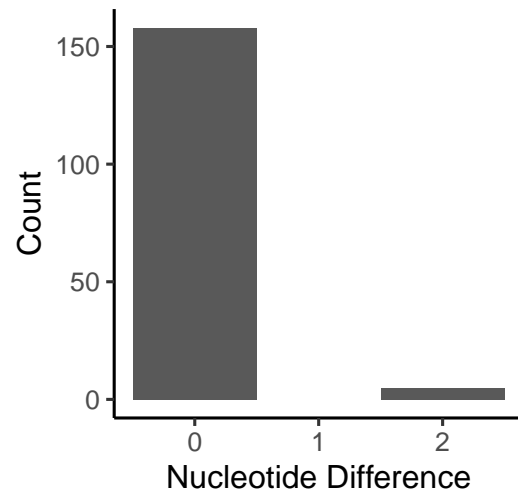
### TRBV7-1\*ap01\_T296C

44 sequences assigned  
1 (2.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



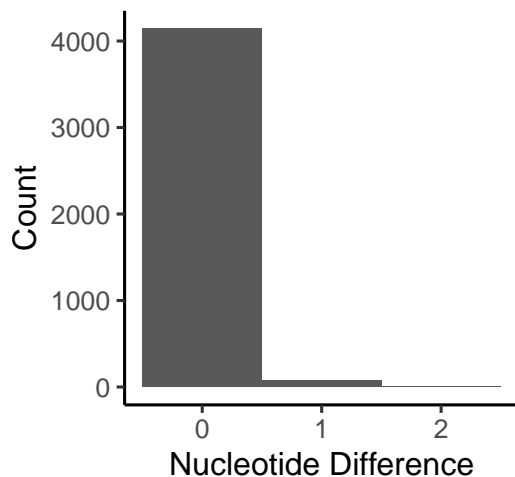
### TRBV7-4\*ap01

163 sequences assigned  
158 (96.9%) exact matches, in which:  
155 unique CDR3  
13 unique J



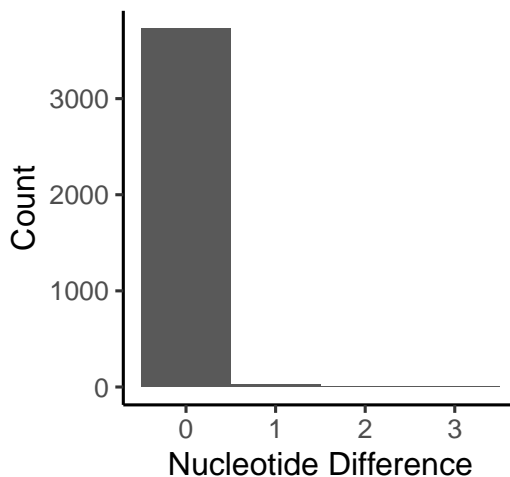
### TRBV6-56\*ap01

4218 sequences assigned  
4142 (98.2%) exact matches, in which:  
4075 unique CDR3  
13 unique J



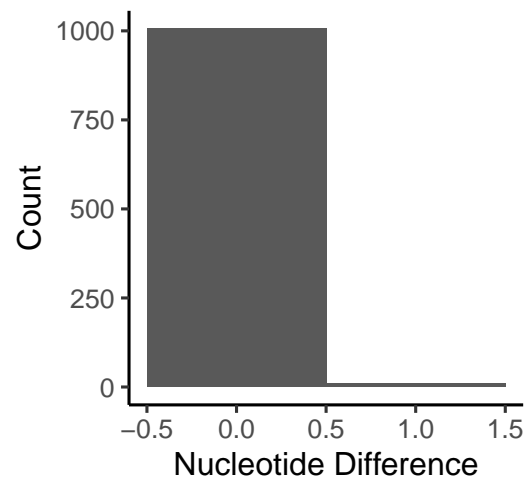
### TRBV7-2\*ap01

3750 sequences assigned  
3727 (99.4%) exact matches, in which:  
3685 unique CDR3  
13 unique J



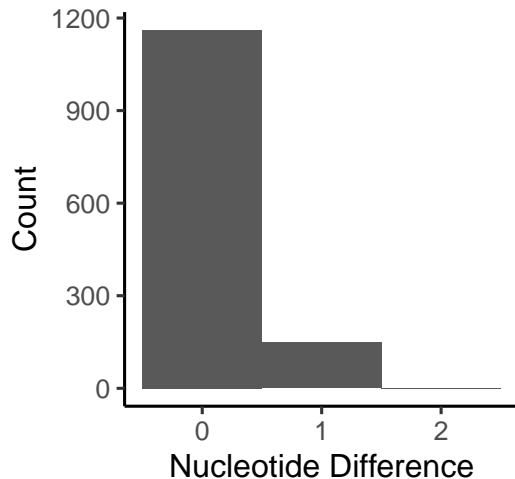
### TRBV7-6\*ap01

1017 sequences assigned  
1006 (98.9%) exact matches, in which:  
985 unique CDR3  
13 unique J



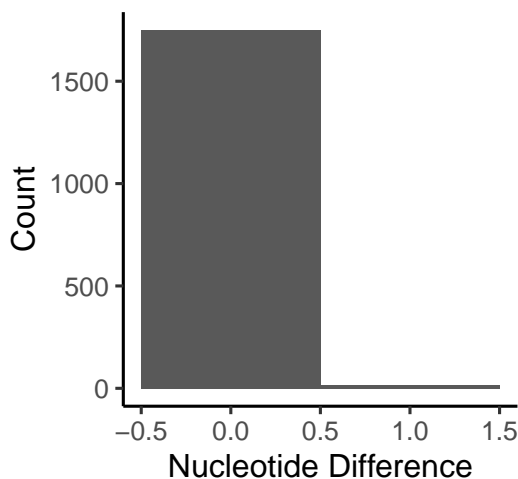
### TRBV6-56\*ap02

1311 sequences assigned  
1161 (88.6%) exact matches, in which:  
1138 unique CDR3  
13 unique J



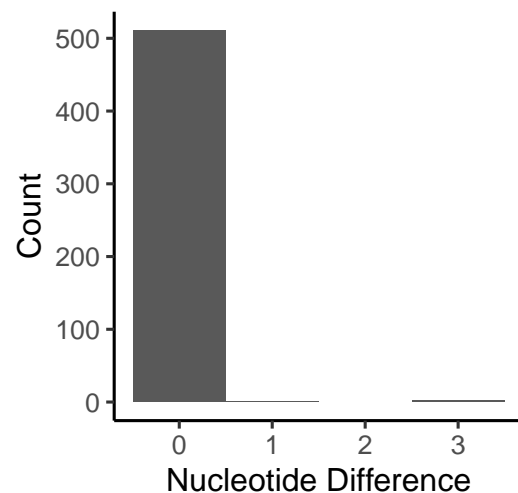
### TRBV7-3\*ap01

1766 sequences assigned  
1750 (99.1%) exact matches, in which:  
1724 unique CDR3  
13 unique J



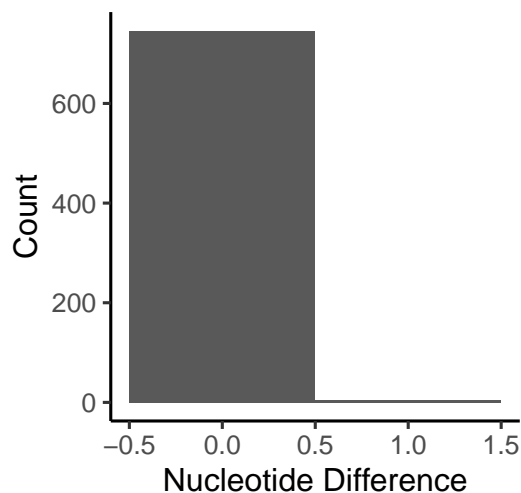
### TRBV7-7\*ap01\_C315T

514 sequences assigned  
511 (99.4%) exact matches, in which:  
497 unique CDR3  
13 unique J



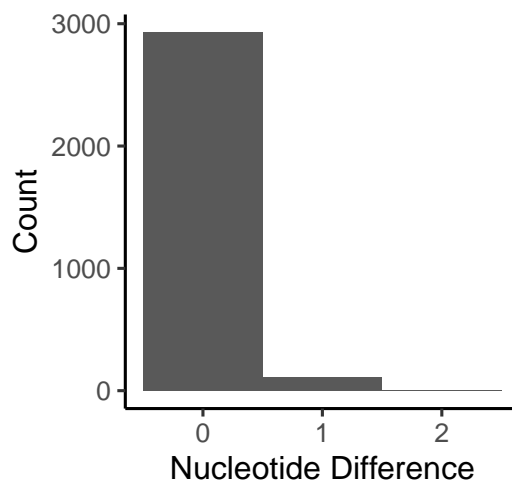
### TRBV7-8\*ap01

751 sequences assigned  
746 (99.3%) exact matches, in which:  
739 unique CDR3  
13 unique J



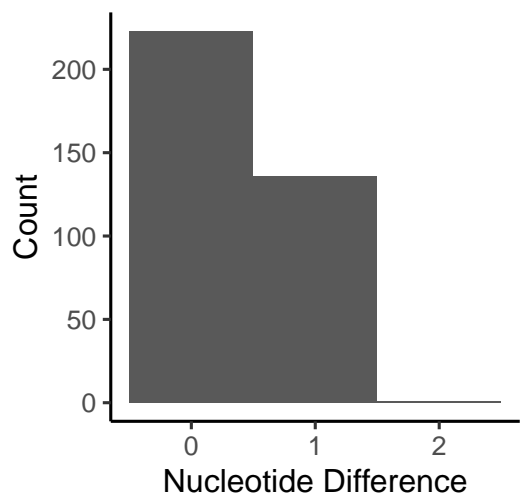
### TRBV29-1\*ap01

3045 sequences assigned  
2929 (96.2%) exact matches, in which:  
2788 unique CDR3  
13 unique J



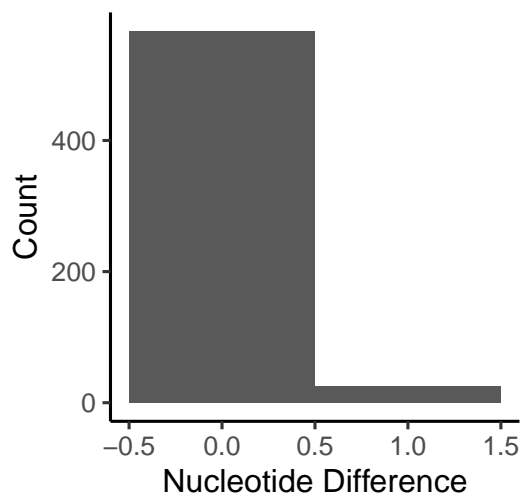
### TRBV7-8\*ap03

360 sequences assigned  
223 (61.9%) exact matches, in which:  
219 unique CDR3  
13 unique J



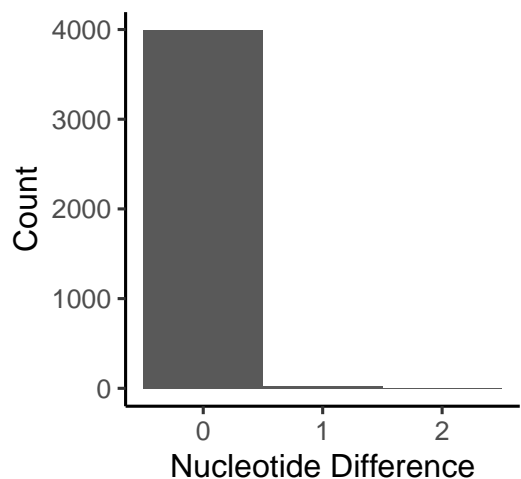
### TRBV29-1\*ap02

592 sequences assigned  
567 (95.8%) exact matches, in which:  
539 unique CDR3  
13 unique J

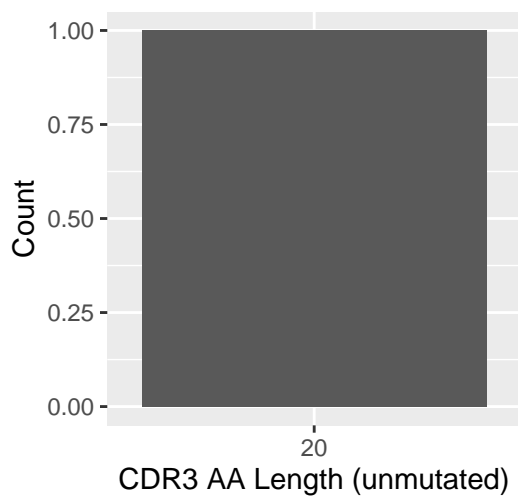


### TRBV7-9\*ap01

4021 sequences assigned  
3994 (99.3%) exact matches, in which:  
3929 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

