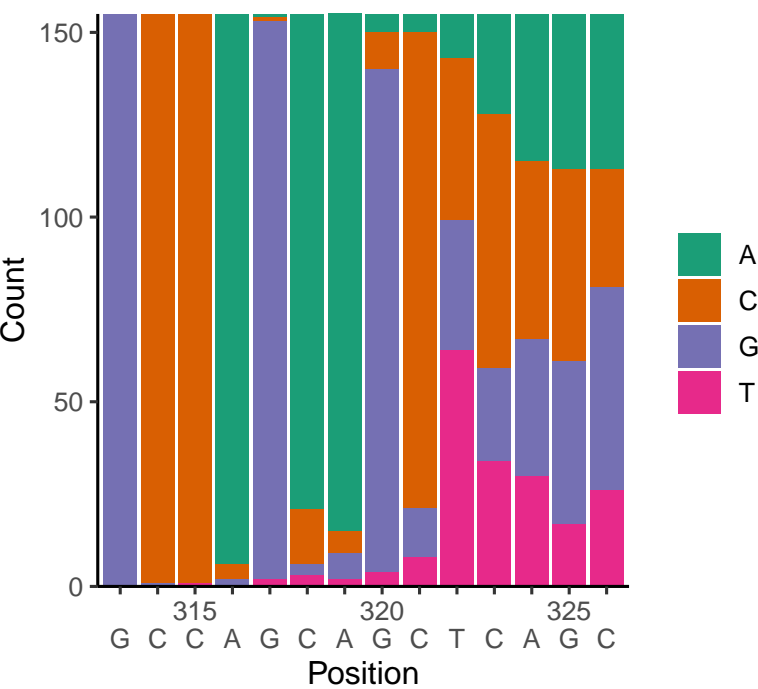
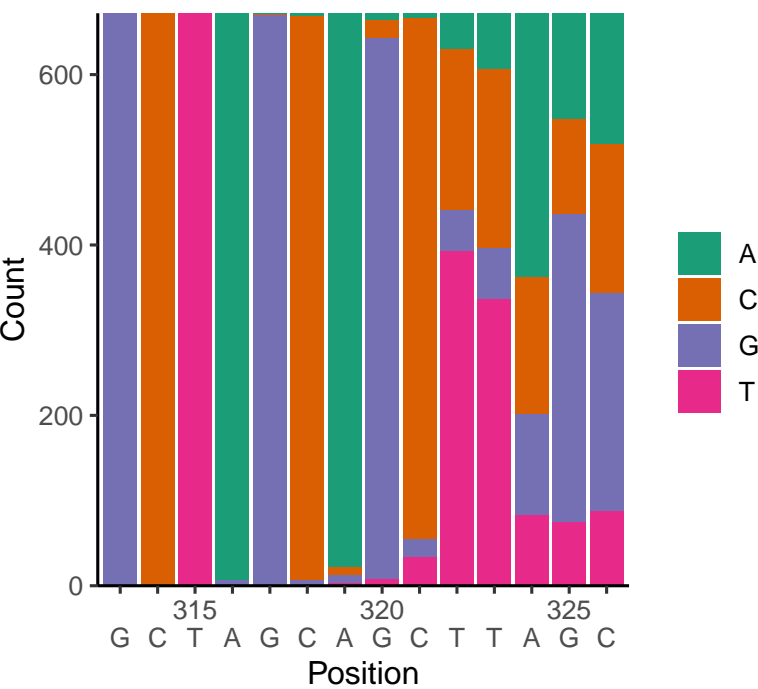


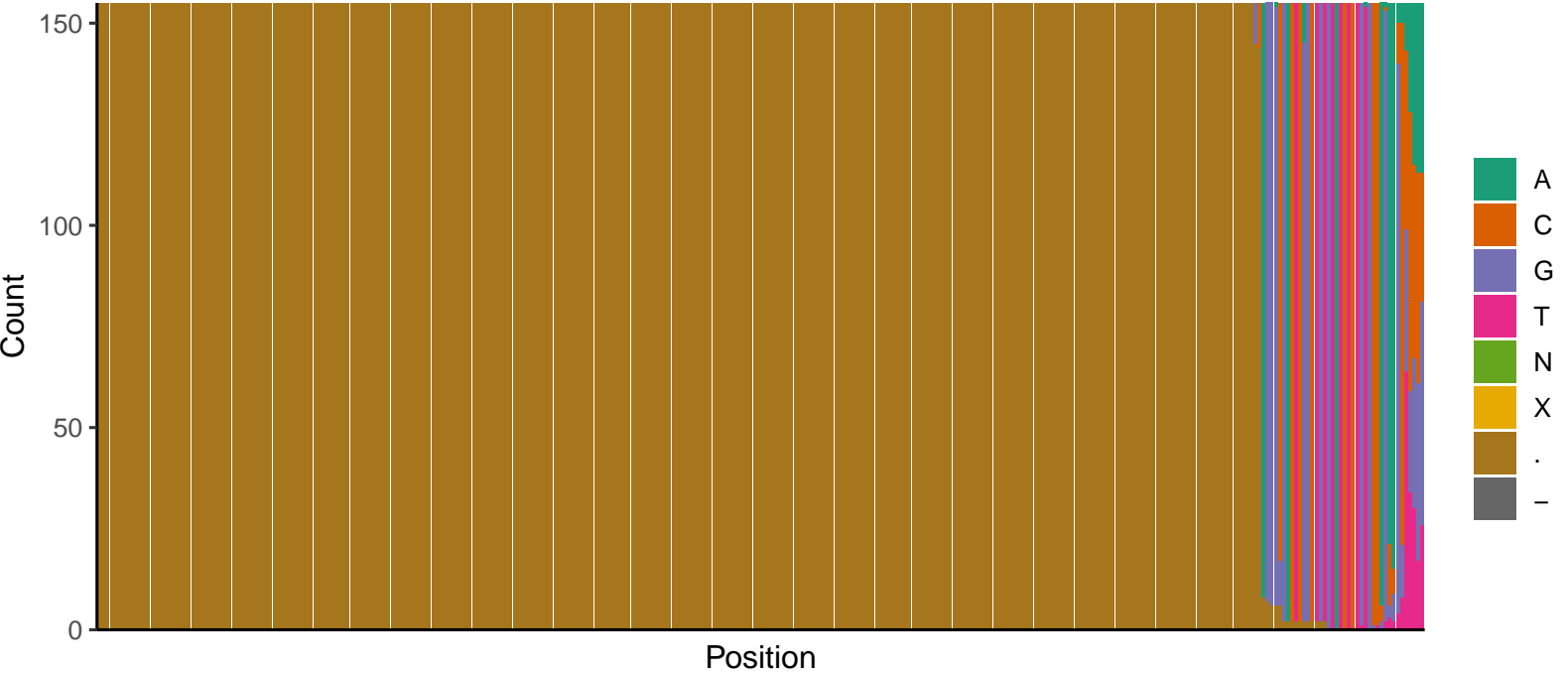
Gene TRBV7-1\*ap01\_T296C



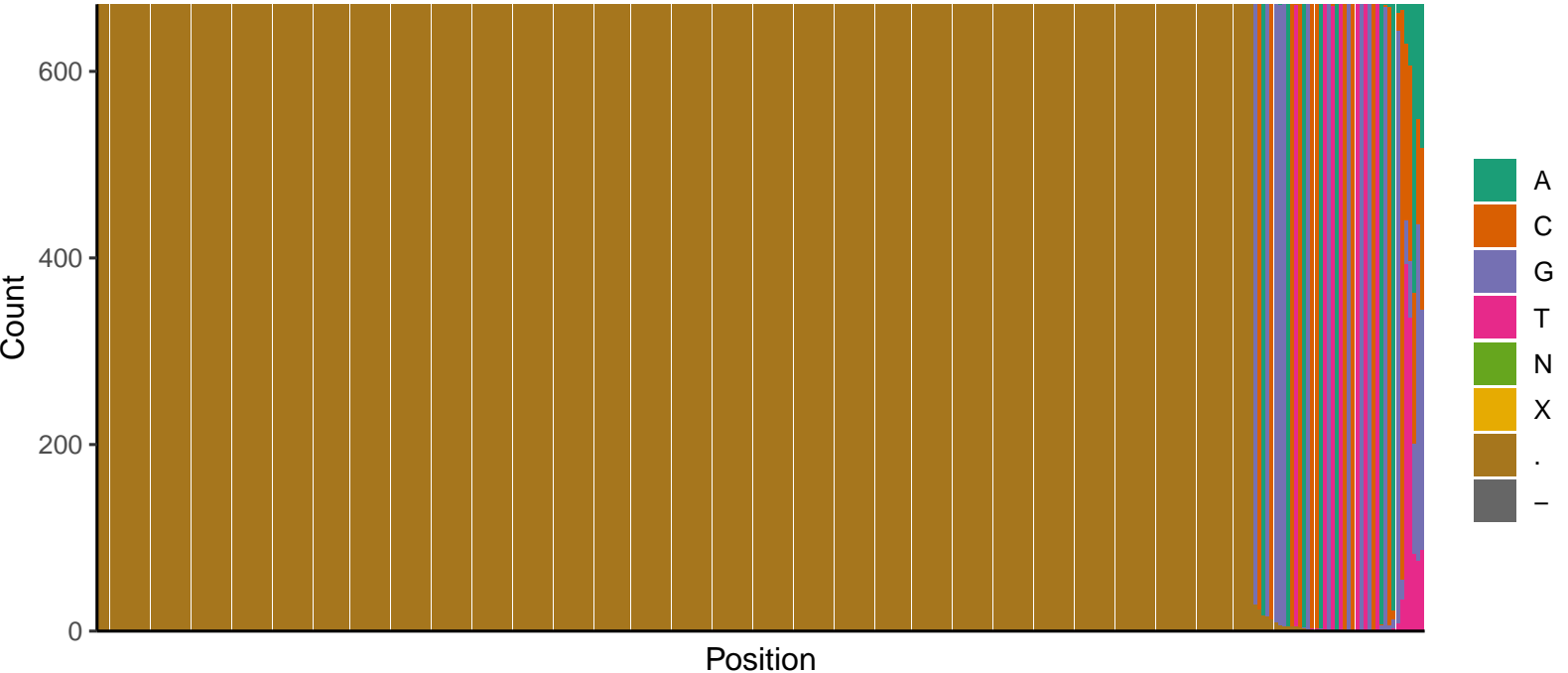
Gene TRBV7-7\*ap01\_C315T



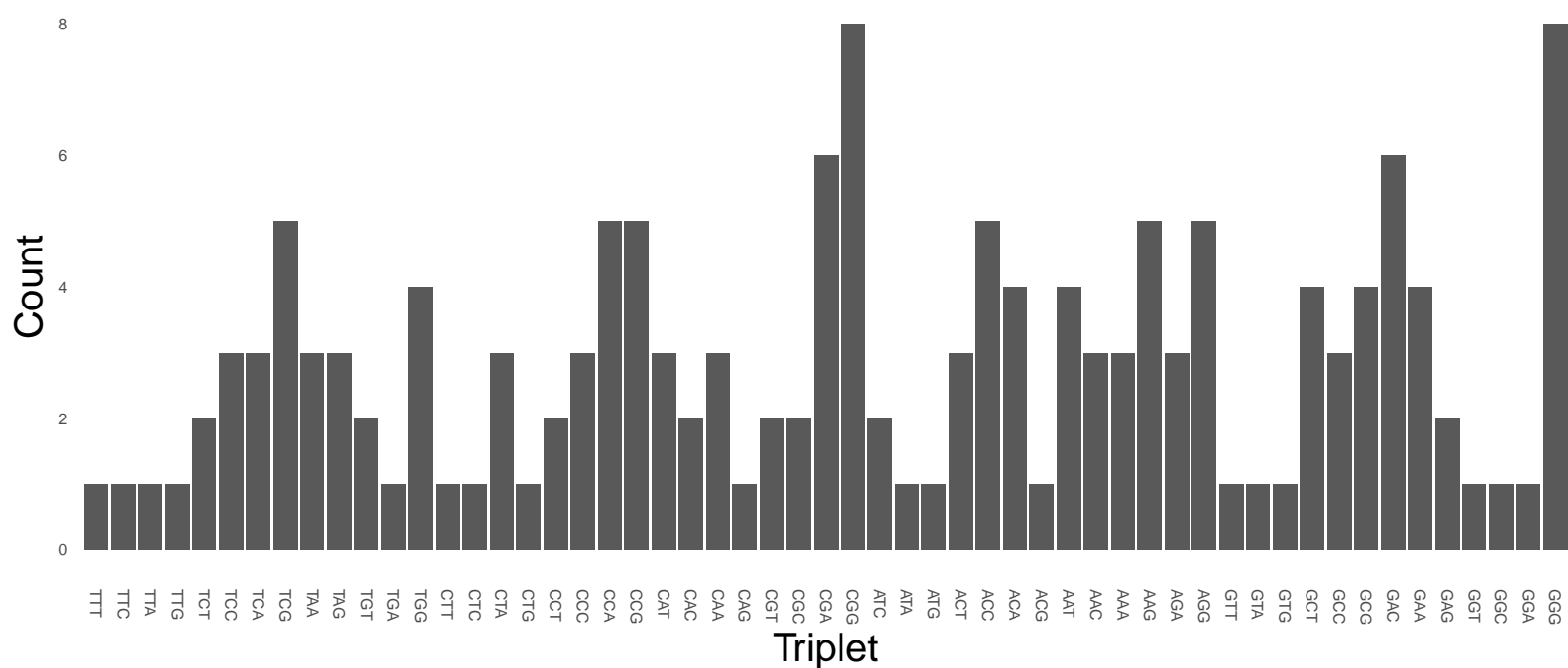
Gene TRBV7-1\*ap01\_T296C



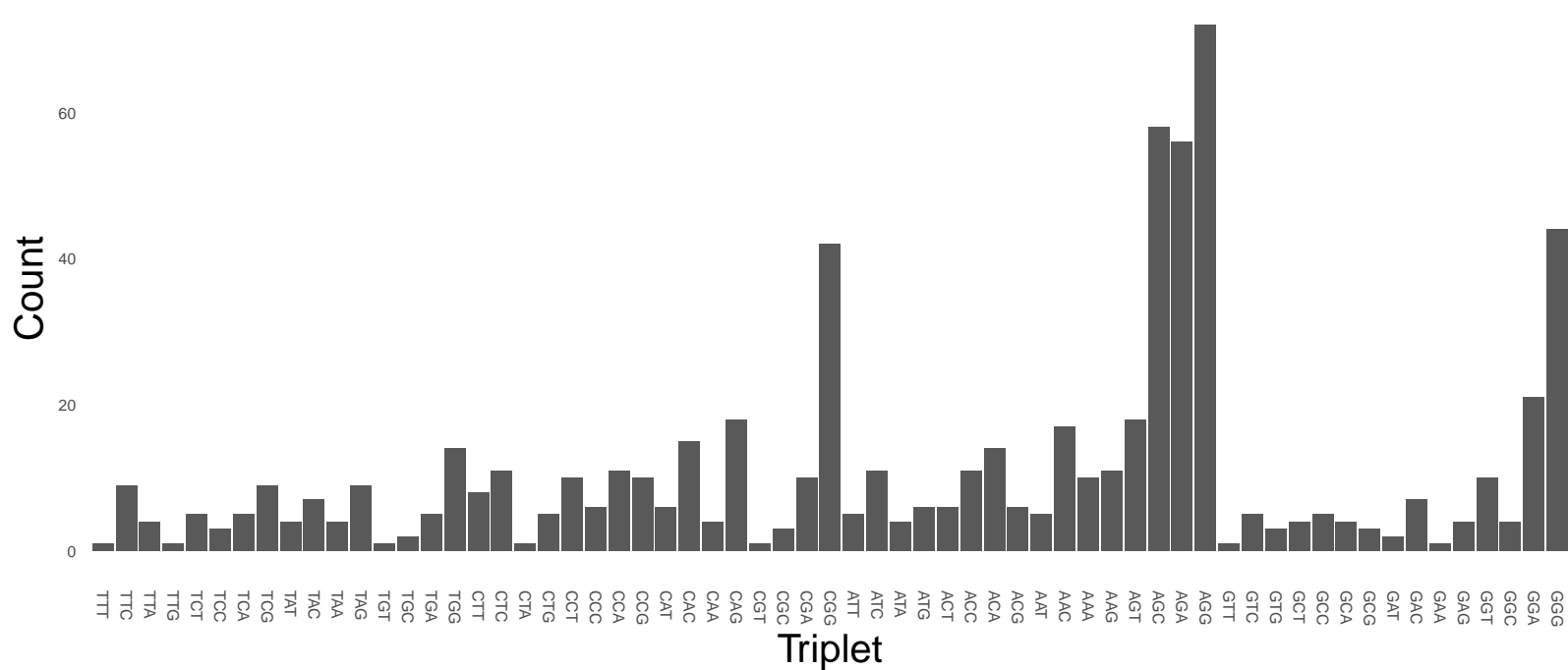
Gene TRBV7-7\*ap01\_C315T



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

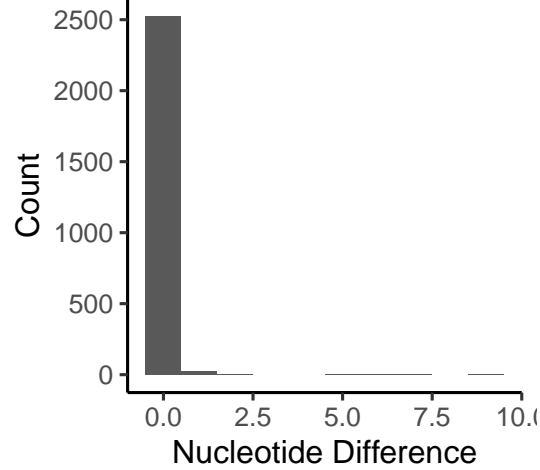


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



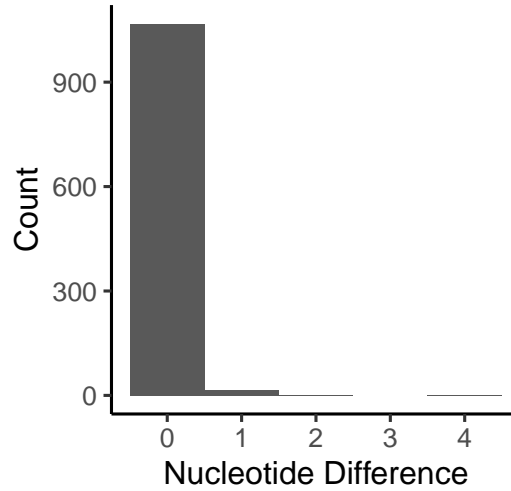
### TRBV10-1\*ap01

2557 sequences assigned  
2523 (98.7%) exact matches, in which:  
2445 unique CDR3  
13 unique J



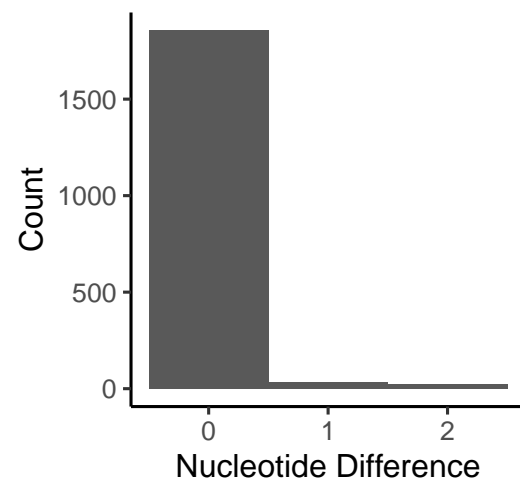
### TRBV10-2\*ap01

1087 sequences assigned  
1068 (98.3%) exact matches, in which:  
1043 unique CDR3  
13 unique J



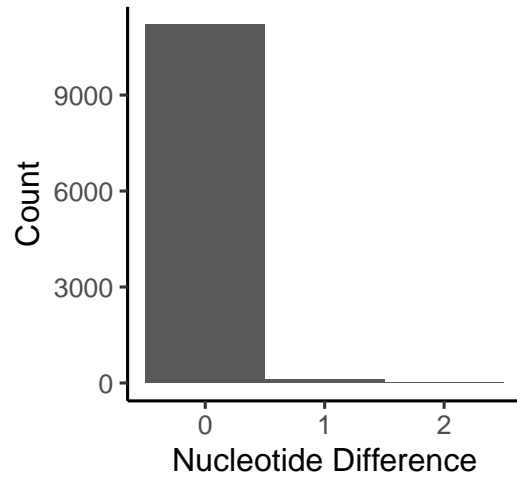
### TRBV13\*ap01

1913 sequences assigned  
1856 (97%) exact matches, in which:  
1793 unique CDR3  
13 unique J



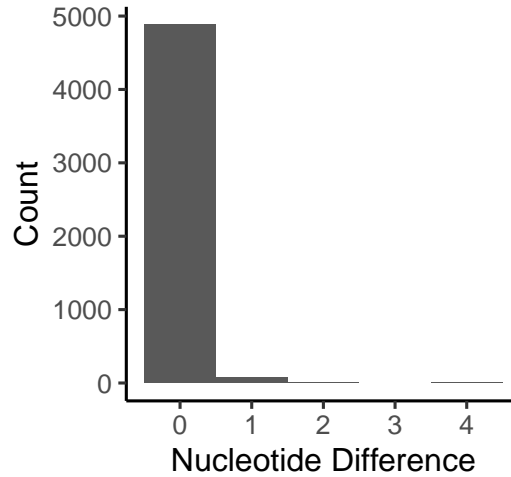
### TRBV20-1\*ap01

11312 sequences assigned  
11199 (99%) exact matches, in which:  
11002 unique CDR3  
13 unique J



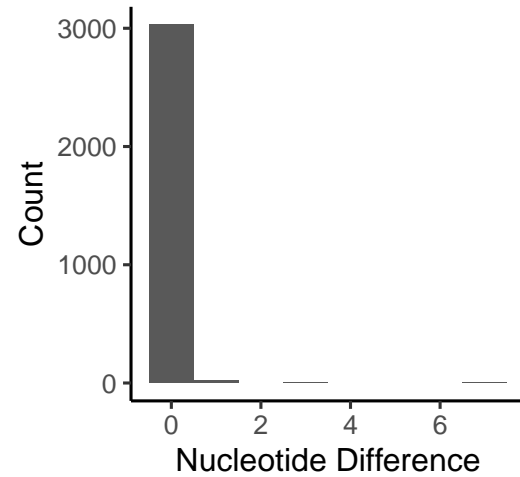
### TRBV10-3\*ap01

4968 sequences assigned  
4882 (98.3%) exact matches, in which:  
4783 unique CDR3  
13 unique J



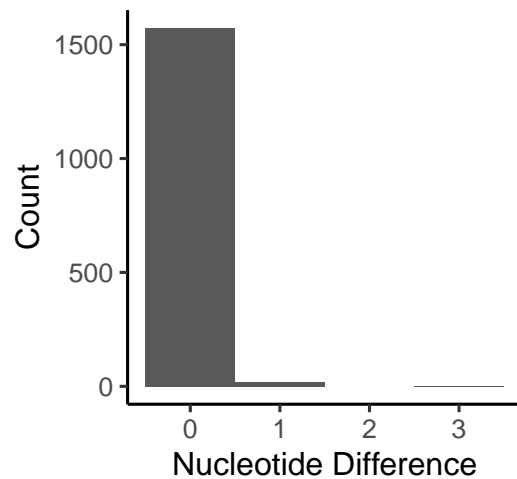
### TRBV14\*ap01

3057 sequences assigned  
3030 (99.1%) exact matches, in which:  
2983 unique CDR3  
13 unique J



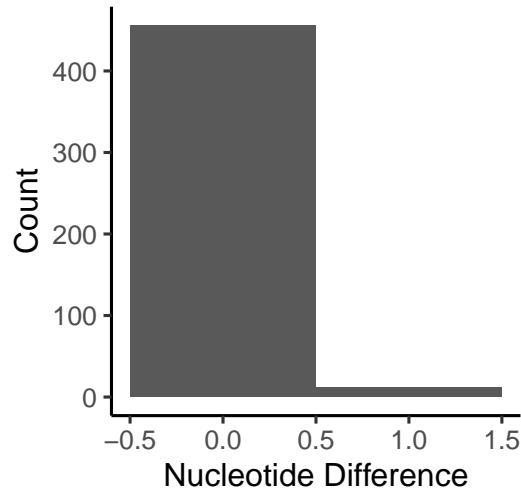
### TRBV20-1\*ap02

1593 sequences assigned  
1573 (98.7%) exact matches, in which:  
1545 unique CDR3  
13 unique J



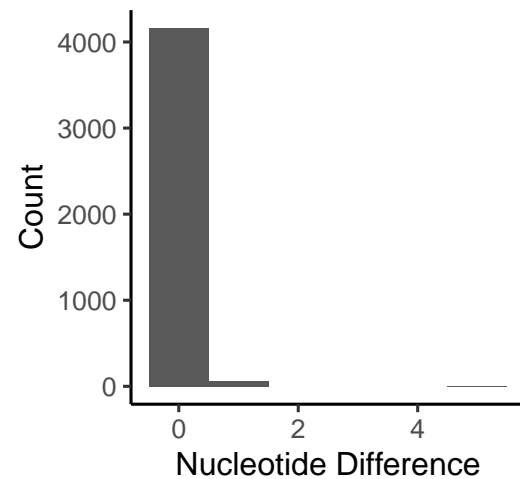
### TRBV1\*ap01

468 sequences assigned  
456 (97.4%) exact matches, in which:  
443 unique CDR3  
13 unique J



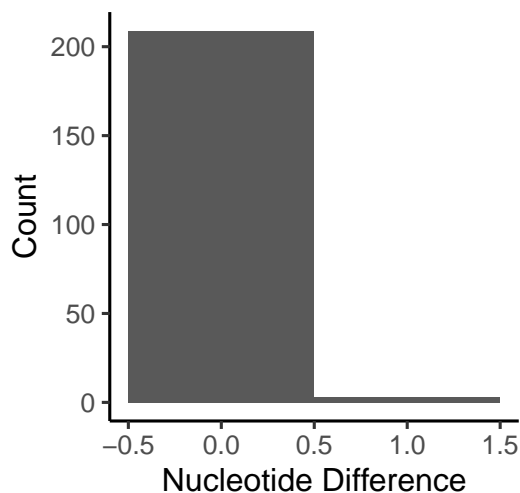
### TRBV15\*ap02

4227 sequences assigned  
4162 (98.5%) exact matches, in which:  
4075 unique CDR3  
13 unique J



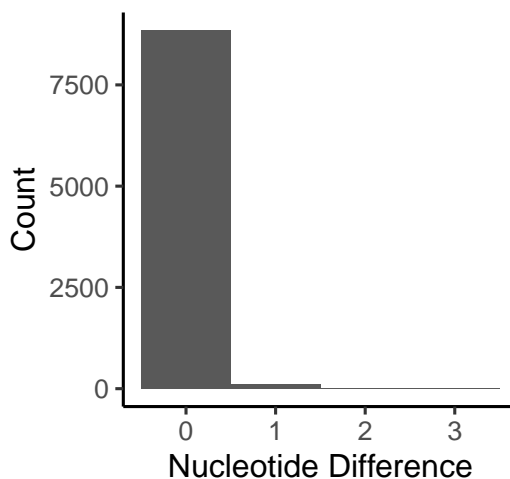
### TRBV16\*ap01

212 sequences assigned  
209 (98.6%) exact matches, in which:  
206 unique CDR3  
13 unique J



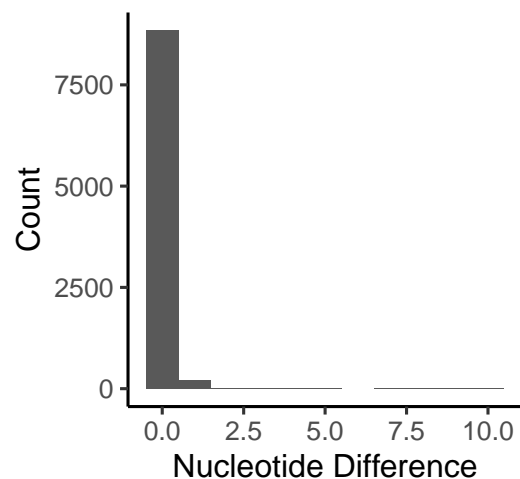
### TRBV2\*ap01

8957 sequences assigned  
8845 (98.7%) exact matches, in which:  
8670 unique CDR3  
13 unique J



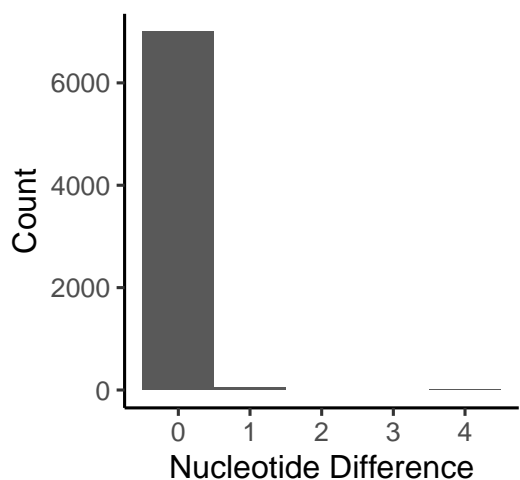
### TRBV30\*ap01

9066 sequences assigned  
8844 (97.6%) exact matches, in which:  
8632 unique CDR3  
13 unique J



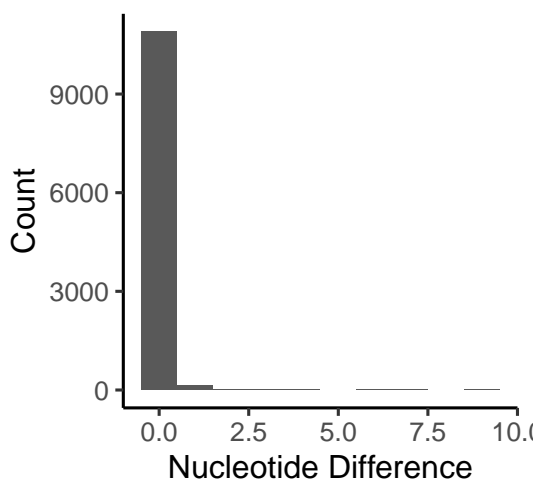
### TRBV18\*ap01

7044 sequences assigned  
6999 (99.4%) exact matches, in which:  
6944 unique CDR3  
13 unique J



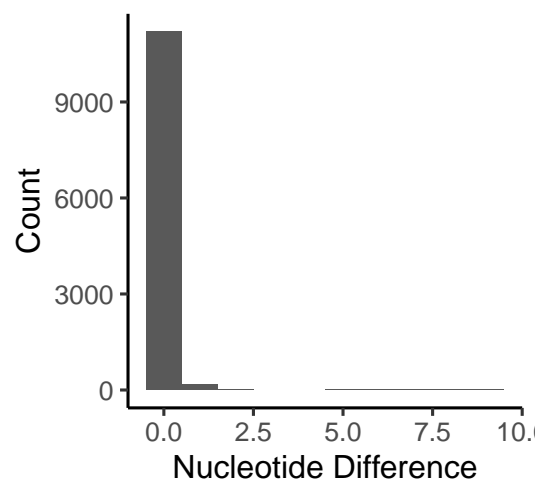
### TRBV27\*ap01

11031 sequences assigned  
10895 (98.8%) exact matches, in which:  
10701 unique CDR3  
13 unique J



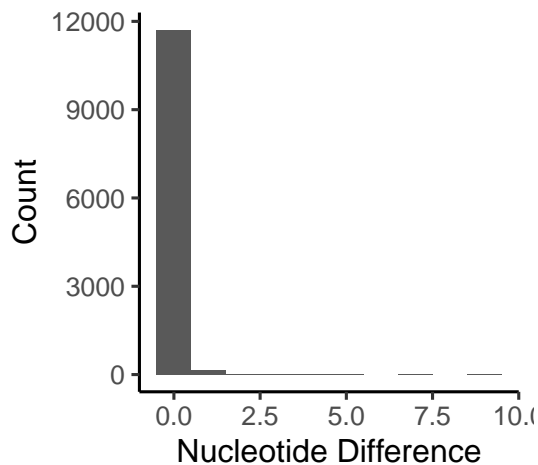
### TRBV9\*ap01

11369 sequences assigned  
11195 (98.5%) exact matches, in which:  
11053 unique CDR3  
13 unique J



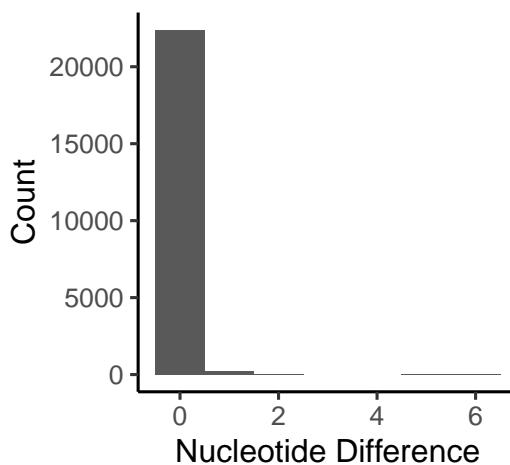
### TRBV19\*ap01

11887 sequences assigned  
11714 (98.5%) exact matches, in which:  
11591 unique CDR3  
13 unique J



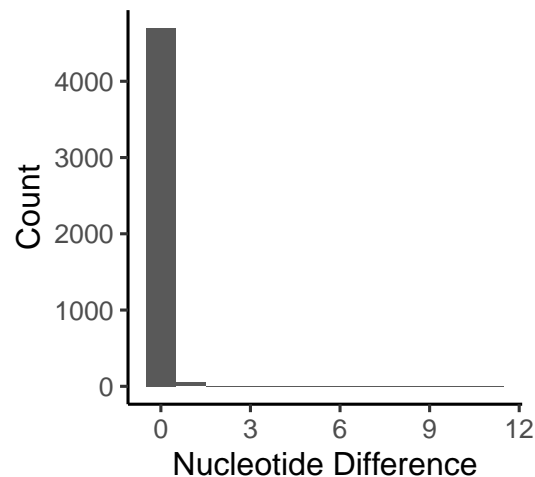
### TRBV28\*ap01

22643 sequences assigned  
22400 (98.9%) exact matches, in which:  
22078 unique CDR3  
13 unique J



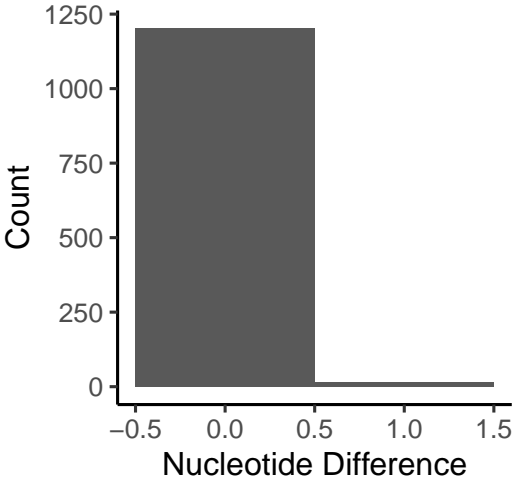
### TRBV21-1\*ap01

4776 sequences assigned  
4698 (98.4%) exact matches, in which:  
4655 unique CDR3  
13 unique J



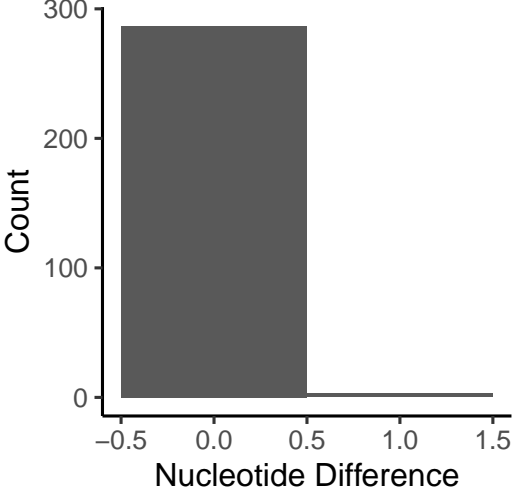
TRBV11-1\*ap01

1216 sequences assigned  
1202 (98.8%) exact matches, in which:  
1177 unique CDR3  
13 unique J



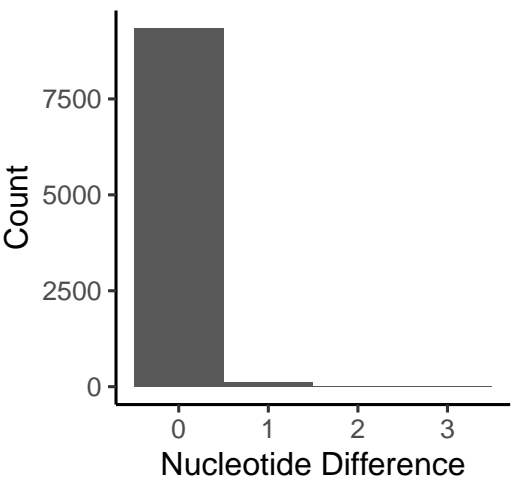
TRBV12-1\*ap01

290 sequences assigned  
287 (99%) exact matches, in which:  
281 unique CDR3  
13 unique J



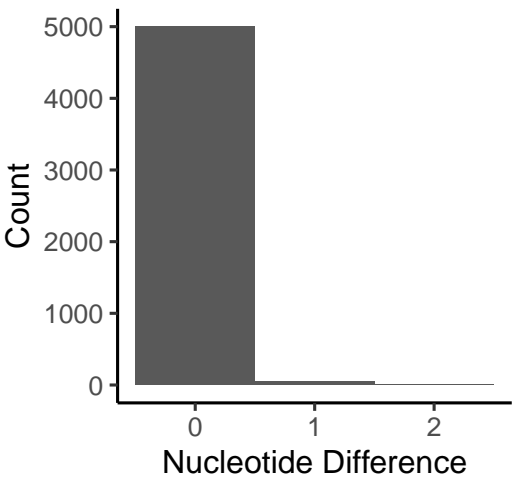
TRBV12-34\*ap01

9447 sequences assigned  
9338 (98.8%) exact matches, in which:  
9166 unique CDR3  
13 unique J



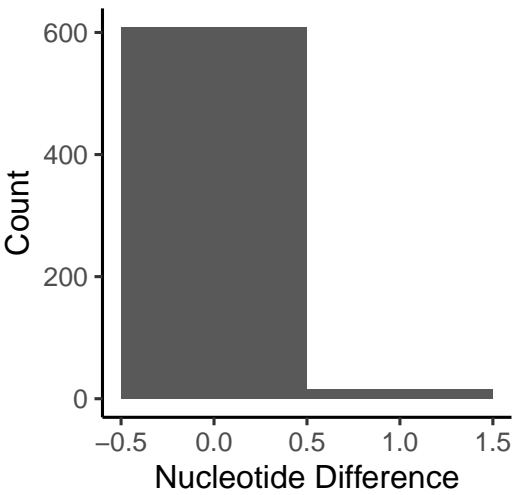
TRBV11-2\*ap01

5050 sequences assigned  
4999 (99%) exact matches, in which:  
4940 unique CDR3  
13 unique J



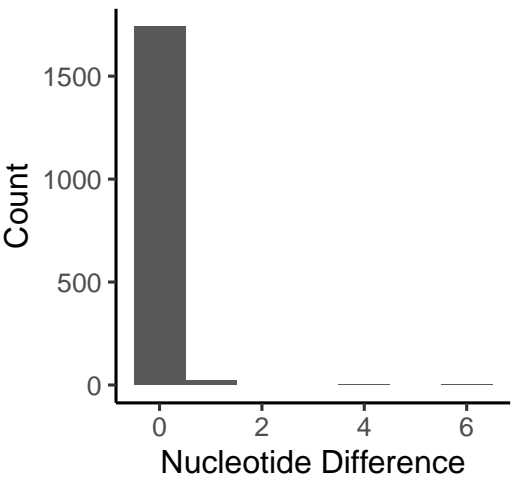
TRBV12-2\*ap01

624 sequences assigned  
609 (97.6%) exact matches, in which:  
598 unique CDR3  
13 unique J



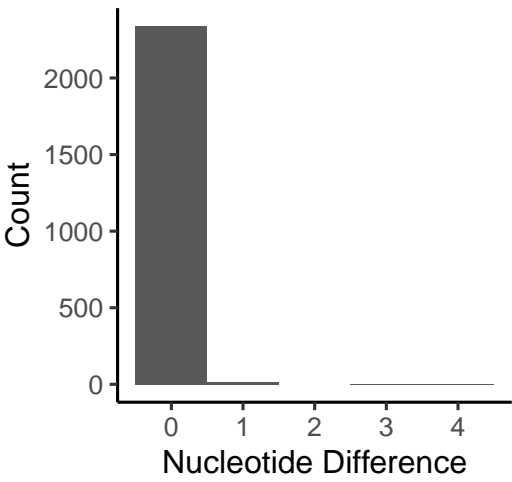
TRBV23-1\*ap01

1764 sequences assigned  
1740 (98.6%) exact matches, in which:  
1722 unique CDR3  
13 unique J



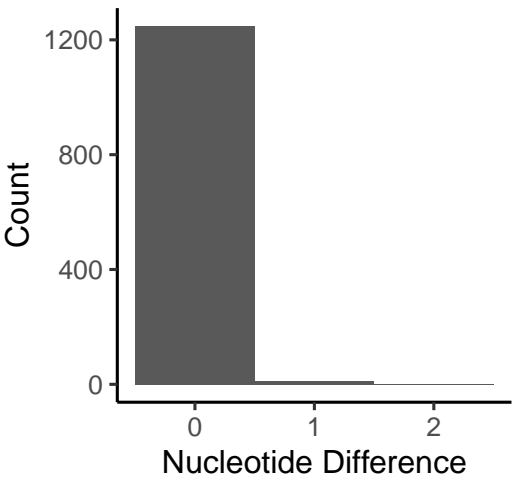
TRBV11-3\*ap01

2359 sequences assigned  
2339 (99.2%) exact matches, in which:  
2306 unique CDR3  
13 unique J



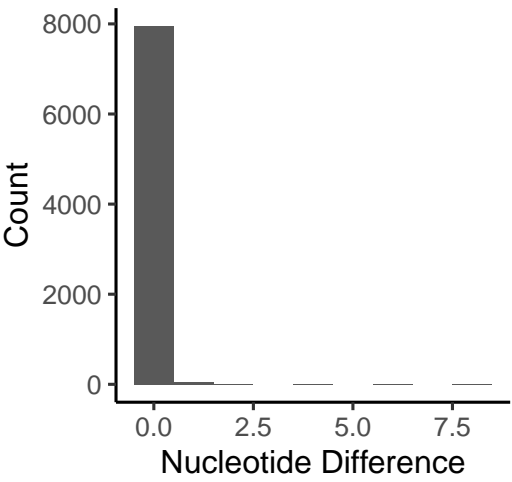
TRBV12-5\*ap01

1260 sequences assigned  
1248 (99%) exact matches, in which:  
1227 unique CDR3  
13 unique J



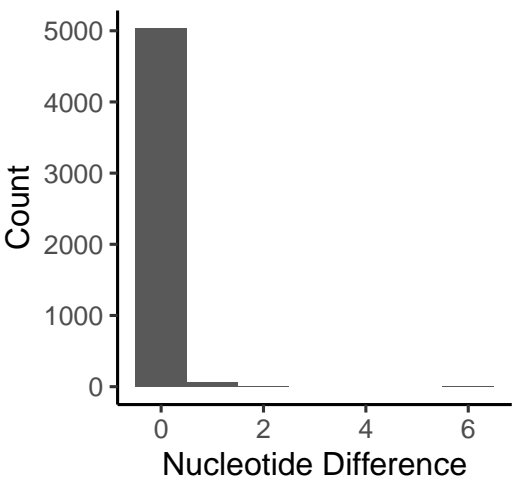
TRBV3-12\*ap01

8012 sequences assigned  
7952 (99.3%) exact matches, in which:  
7878 unique CDR3  
13 unique J



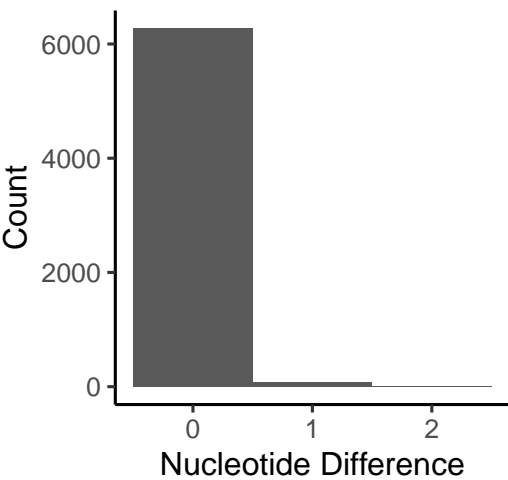
TRBV4-1\*ap01

5096 sequences assigned  
5033 (98.8%) exact matches, in which:  
4919 unique CDR3  
13 unique J



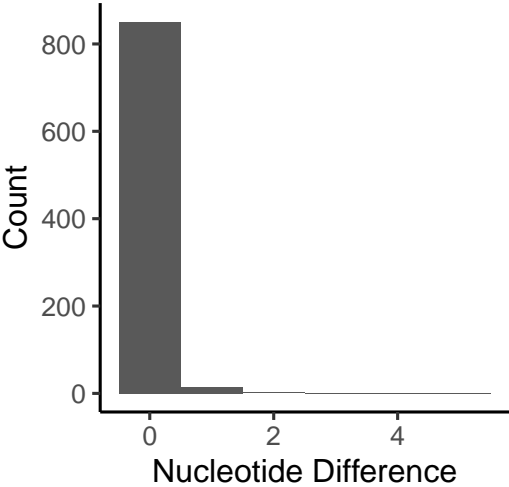
TRBV4-3\*ap01

6352 sequences assigned  
6273 (98.8%) exact matches, in which:  
6136 unique CDR3  
13 unique J



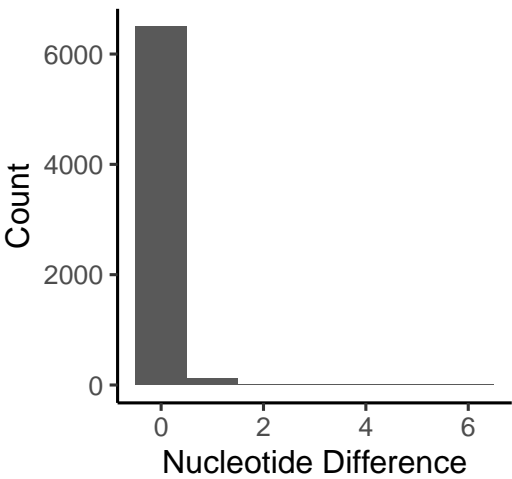
TRBV5-3\*ap01

870 sequences assigned  
851 (97.8%) exact matches, in which:  
837 unique CDR3  
13 unique J



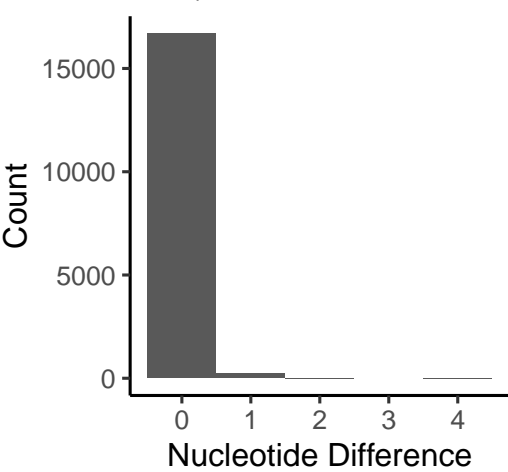
TRBV24-1\*ap01

6627 sequences assigned  
6495 (98%) exact matches, in which:  
6366 unique CDR3  
13 unique J



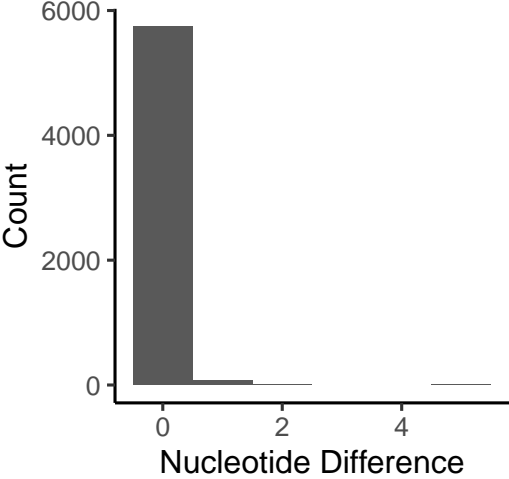
TRBV5-1\*ap01

16924 sequences assigned  
16695 (98.6%) exact matches, in which:  
16336 unique CDR3  
13 unique J



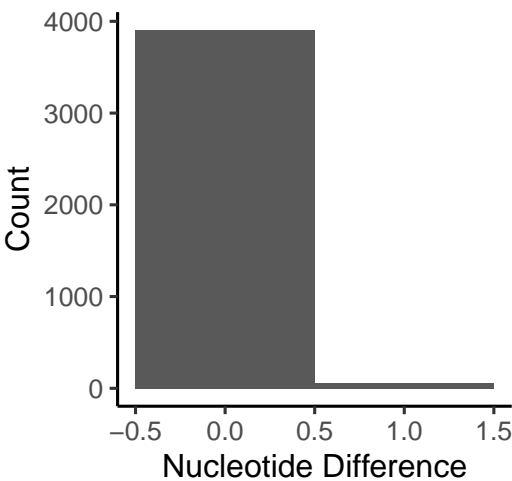
TRBV5-4\*ap01

5809 sequences assigned  
5740 (98.8%) exact matches, in which:  
5611 unique CDR3  
13 unique J



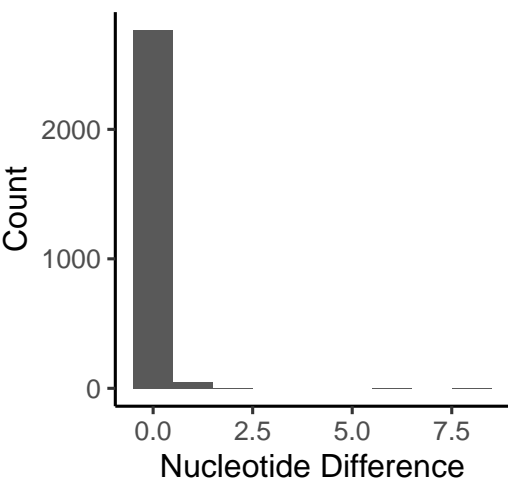
TRBV4-2\*ap01

3965 sequences assigned  
3905 (98.5%) exact matches, in which:  
3808 unique CDR3  
13 unique J



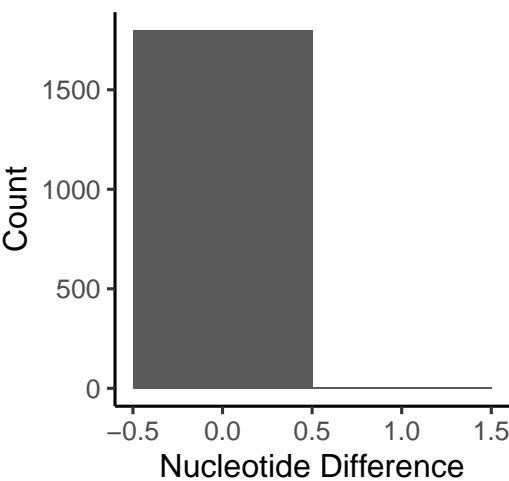
TRBV25-1\*ap01

2821 sequences assigned  
2767 (98.1%) exact matches, in which:  
2703 unique CDR3  
13 unique J



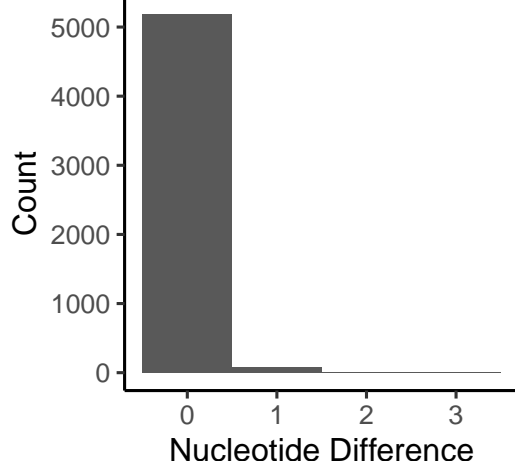
TRBV5-5\*ap01

1807 sequences assigned  
1800 (99.6%) exact matches, in which:  
1787 unique CDR3  
13 unique J



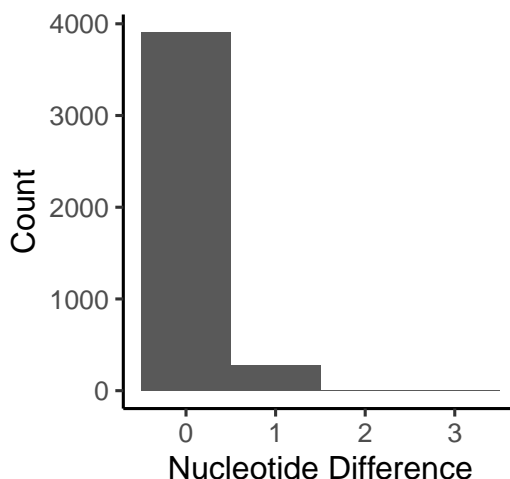
### TRBV5-6\*ap01

5270 sequences assigned  
5183 (98.3%) exact matches, in which:  
5020 unique CDR3  
13 unique J



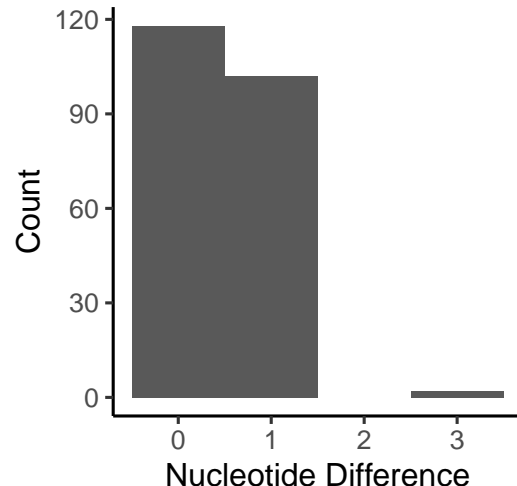
### TRBV6-1\*ap01

4184 sequences assigned  
3906 (93.4%) exact matches, in which:  
3806 unique CDR3  
13 unique J



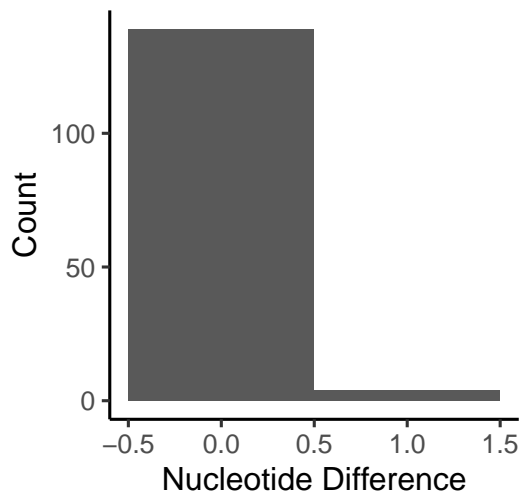
### TRBV6-9\*ap01

222 sequences assigned  
118 (53.2%) exact matches, in which:  
111 unique CDR3  
13 unique J



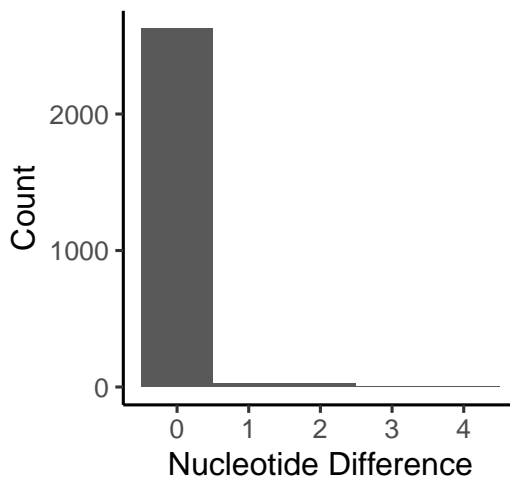
### TRBV5-7\*ap01

143 sequences assigned  
139 (97.2%) exact matches, in which:  
136 unique CDR3  
13 unique J



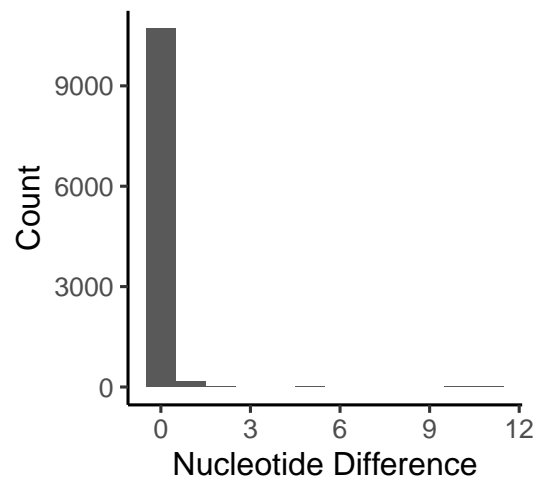
### TRBV6-4\*ap01

2672 sequences assigned  
2625 (98.2%) exact matches, in which:  
2574 unique CDR3  
13 unique J



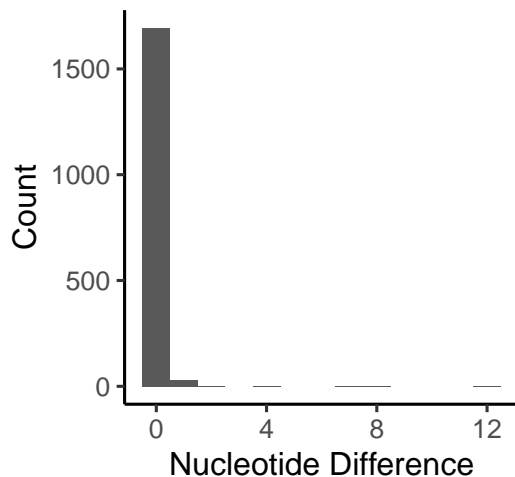
### TRBV6-23\*ap01

10876 sequences assigned  
10707 (98.4%) exact matches, in which:  
10371 unique CDR3  
13 unique J



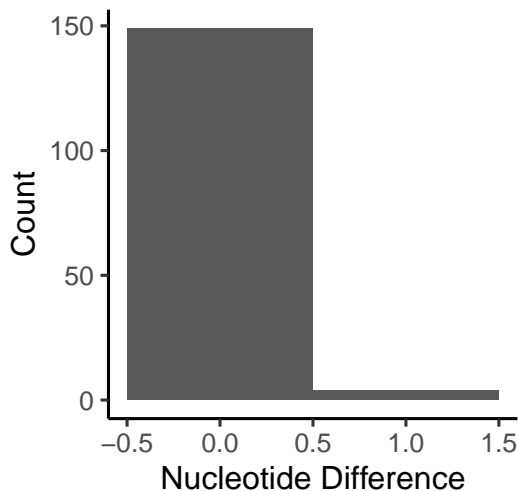
### TRBV5-8\*ap01

1729 sequences assigned  
1693 (97.9%) exact matches, in which:  
1663 unique CDR3  
13 unique J



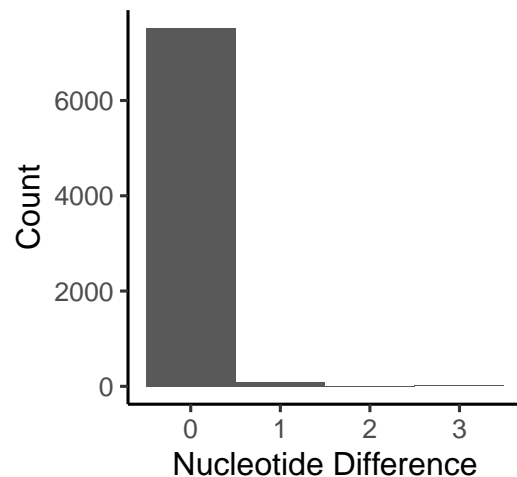
### TRBV6-8\*ap01

153 sequences assigned  
149 (97.4%) exact matches, in which:  
144 unique CDR3  
12 unique J



### TRBV6-56\*ap01

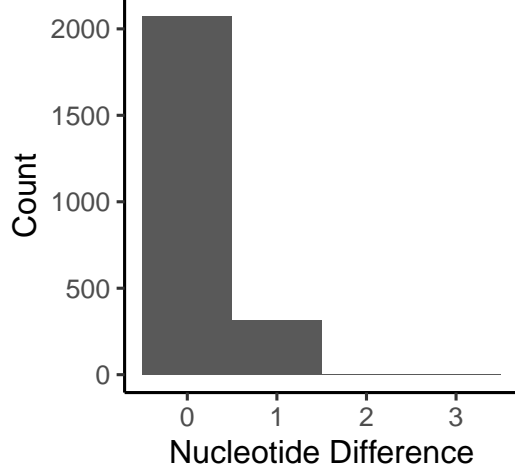
7629 sequences assigned  
7521 (98.6%) exact matches, in which:  
7326 unique CDR3  
13 unique J





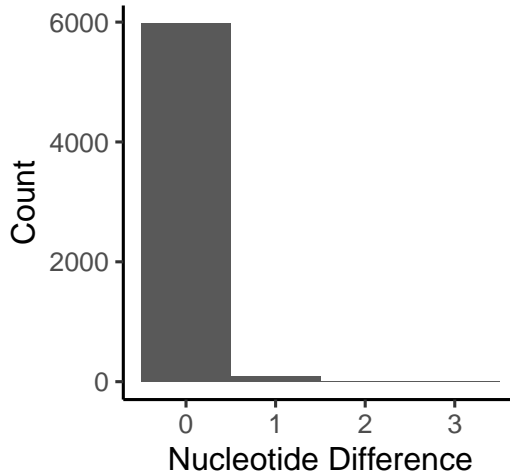
### TRBV6-56\*ap02

2395 sequences assigned  
2072 (86.5%) exact matches, in which:  
2006 unique CDR3  
13 unique J



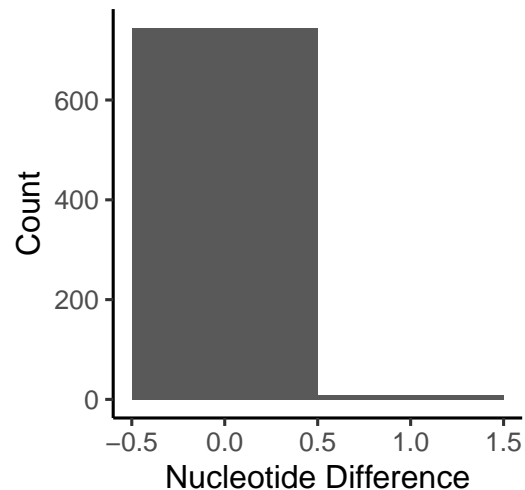
### TRBV7-3\*ap01

6077 sequences assigned  
5978 (98.4%) exact matches, in which:  
5898 unique CDR3  
13 unique J



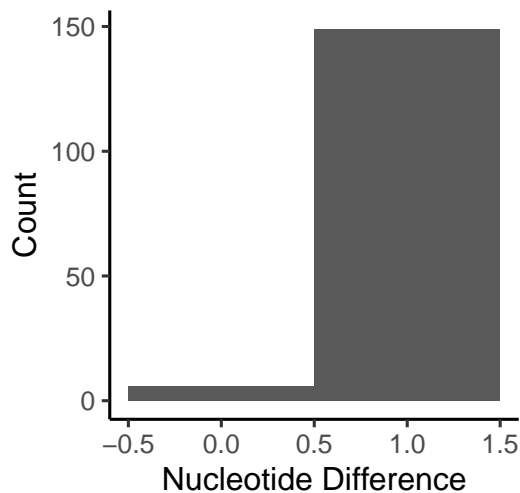
### TRBV7-7\*ap01

754 sequences assigned  
745 (98.8%) exact matches, in which:  
726 unique CDR3  
13 unique J



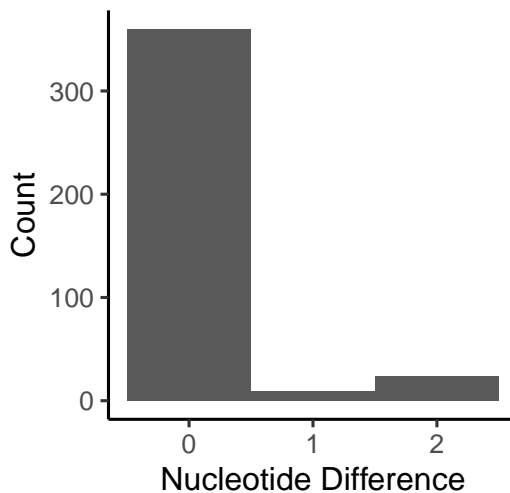
### TRBV7-1\*ap01\_T296C

155 sequences assigned  
6 (3.9%) exact matches, in which:  
6 unique CDR3  
4 unique J



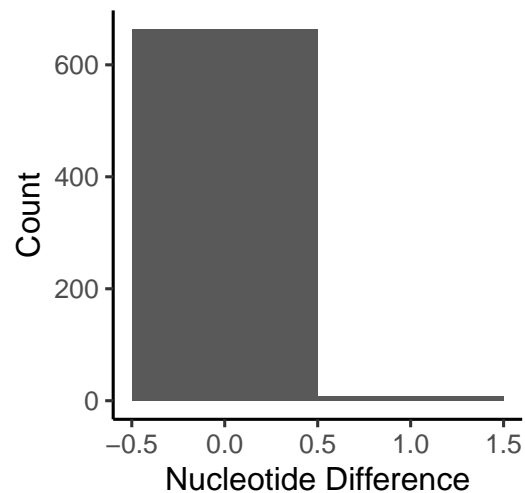
### TRBV7-4\*ap01

393 sequences assigned  
360 (91.6%) exact matches, in which:  
349 unique CDR3  
13 unique J



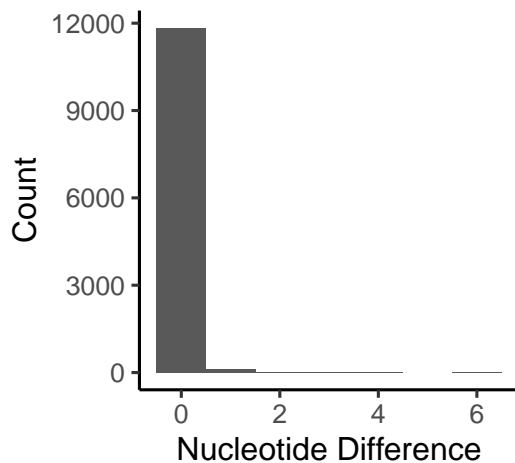
### TRBV7-7\*ap01\_C315T

672 sequences assigned  
664 (98.8%) exact matches, in which:  
644 unique CDR3  
13 unique J



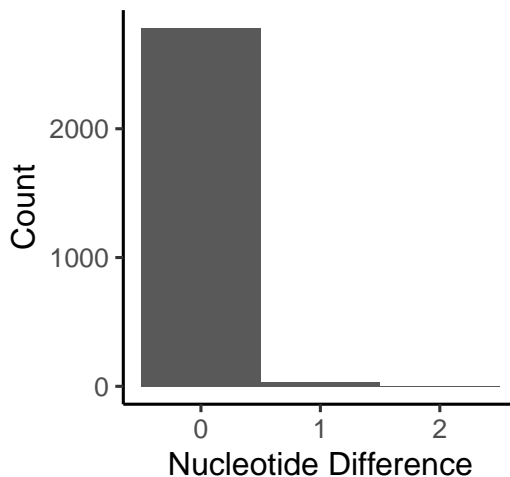
### TRBV7-2\*ap01

11957 sequences assigned  
11842 (99%) exact matches, in which:  
11672 unique CDR3  
13 unique J



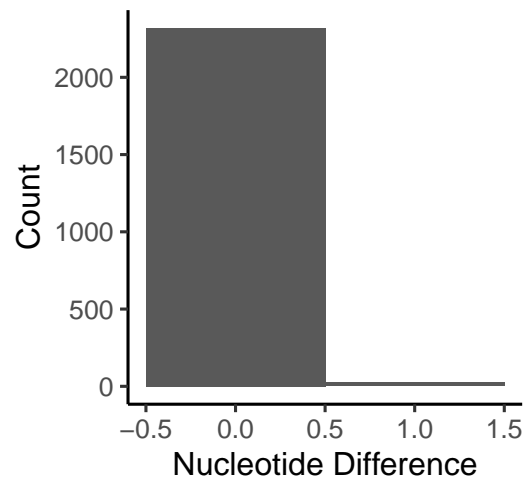
### TRBV7-6\*ap01

2816 sequences assigned  
2782 (98.8%) exact matches, in which:  
2733 unique CDR3  
13 unique J



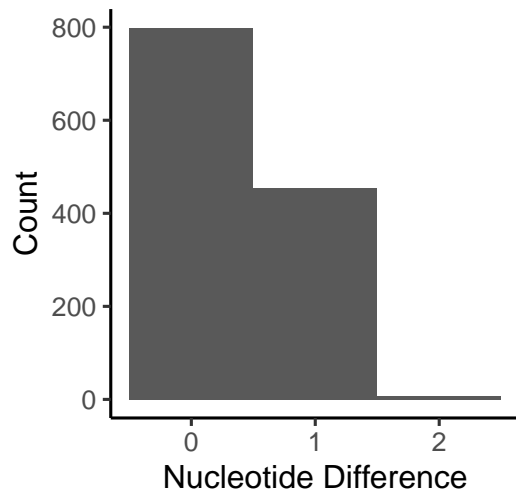
### TRBV7-8\*ap01

2344 sequences assigned  
2319 (98.9%) exact matches, in which:  
2272 unique CDR3  
13 unique J



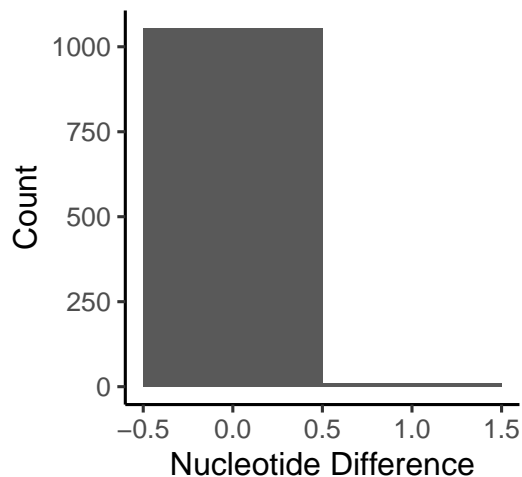
### TRBV7-8\*ap03

1260 sequences assigned  
799 (63.4%) exact matches, in which:  
791 unique CDR3  
13 unique J



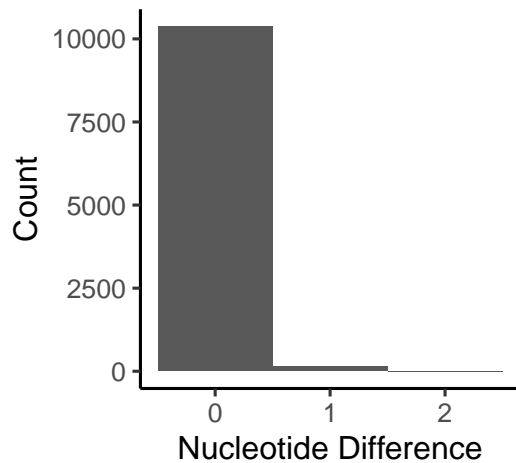
### TRBV29-1\*ap02

1064 sequences assigned  
1054 (99.1%) exact matches, in which:  
1021 unique CDR3  
13 unique J



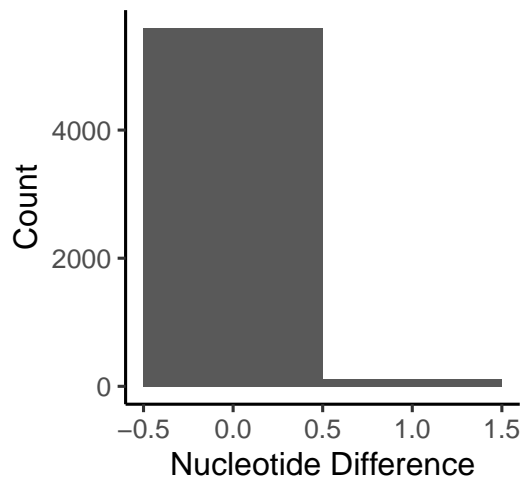
### TRBV7-9\*ap01

10524 sequences assigned  
10373 (98.6%) exact matches, in which:  
10204 unique CDR3  
13 unique J

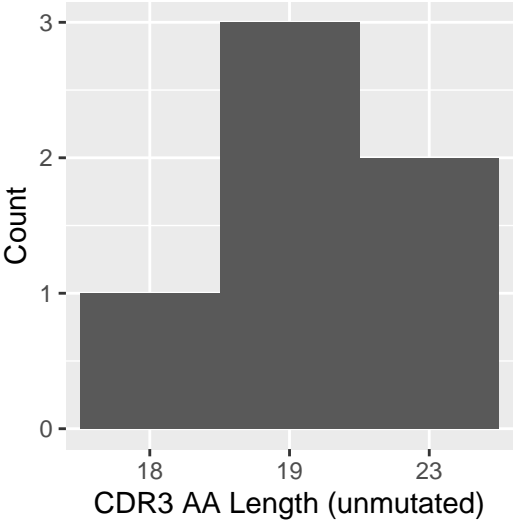


### TRBV29-1\*ap01

5708 sequences assigned  
5593 (98%) exact matches, in which:  
5398 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

