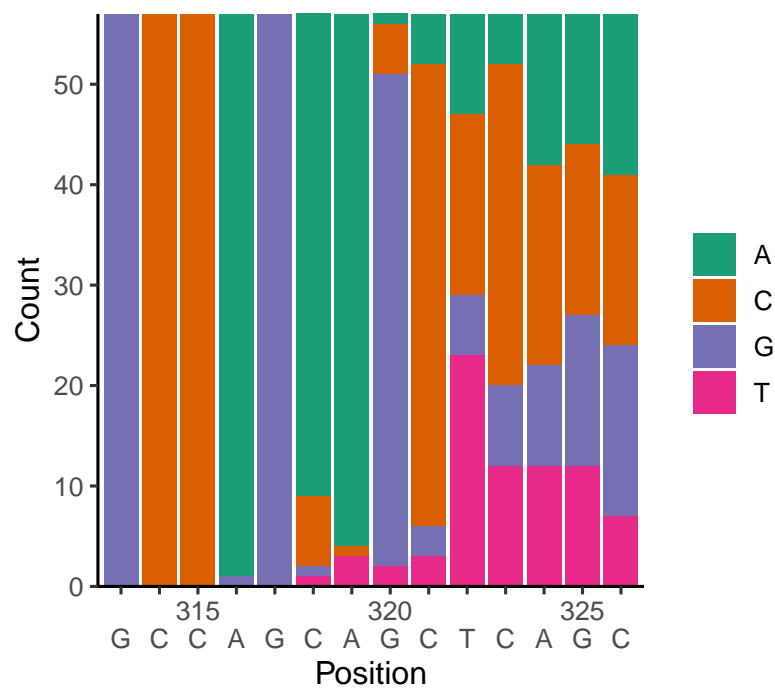
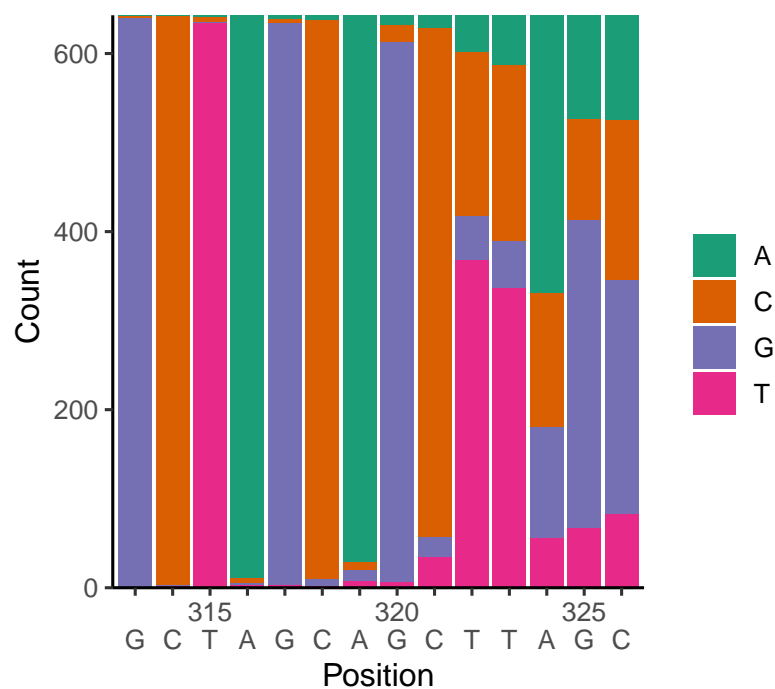


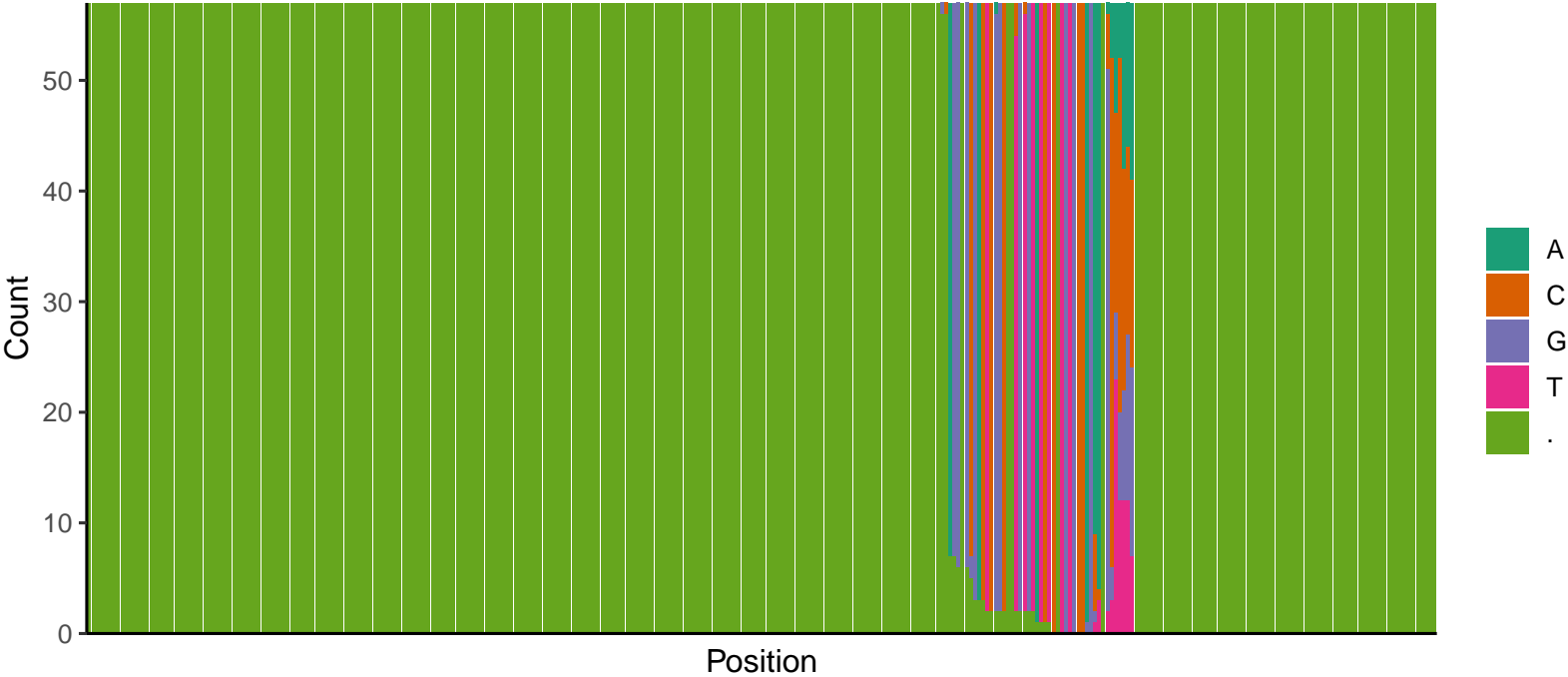
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



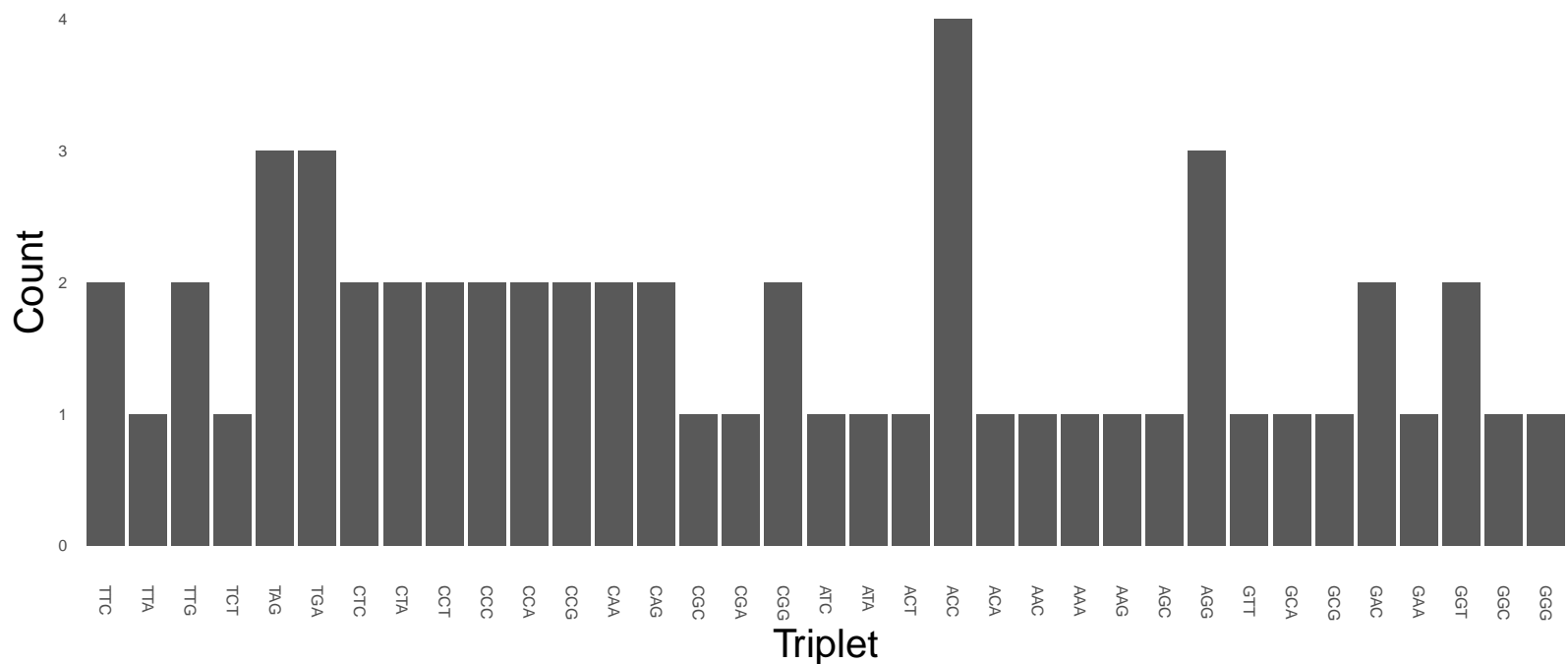
Gene TRBV7-1\*ap01\_T296C



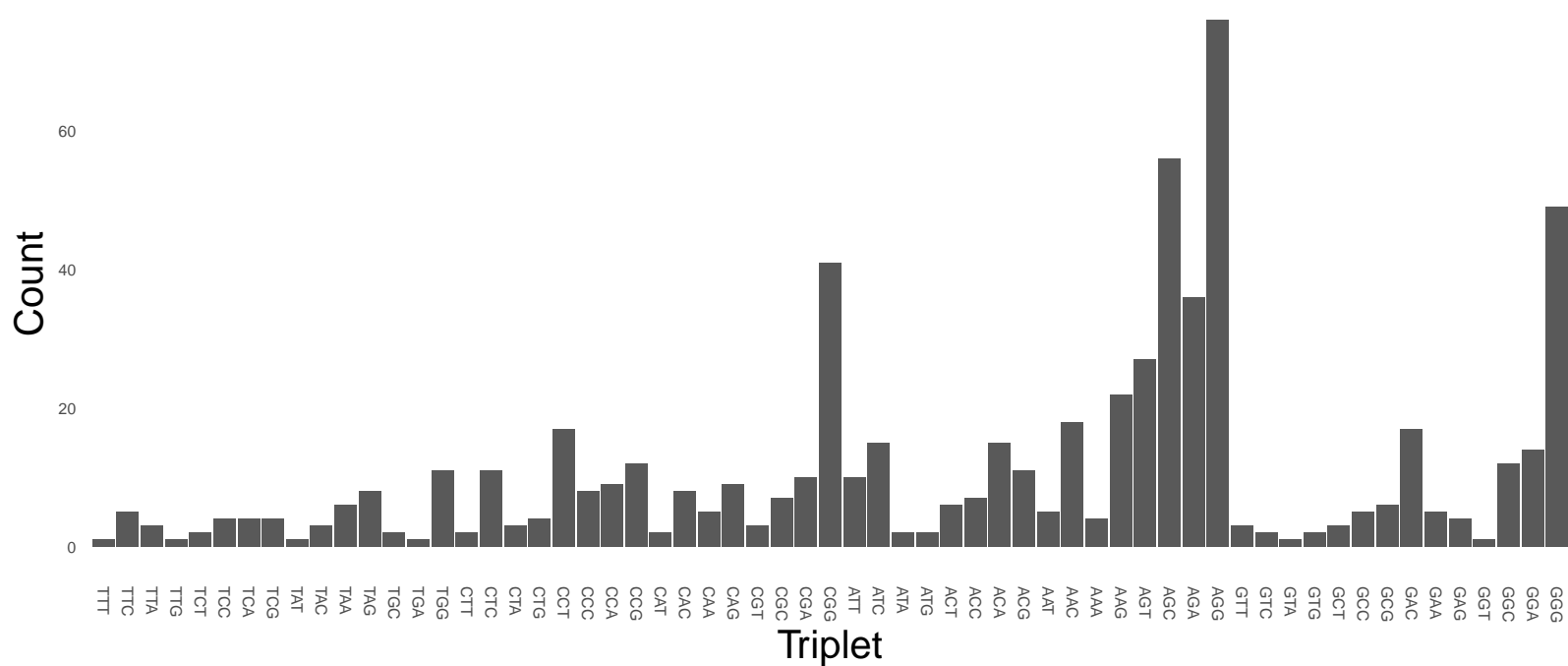
Gene TRBV7-7\*ap01\_C315T



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

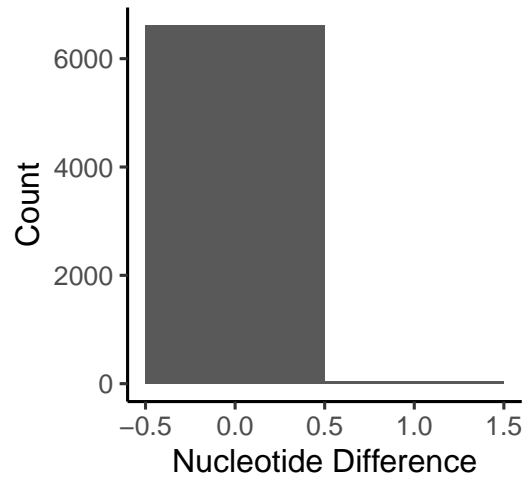


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



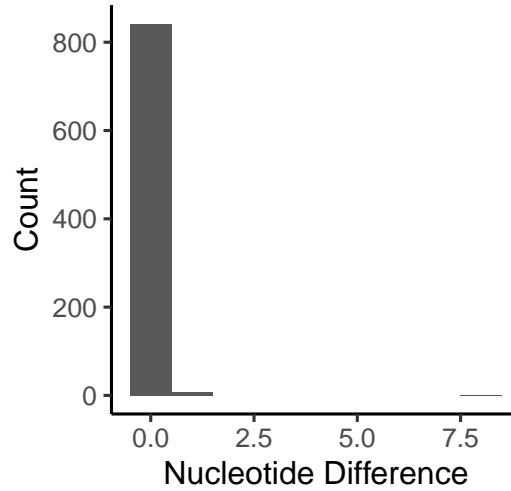
### TRBV20-1\*ap01

6668 sequences assigned  
6614 (99.2%) exact matches, in which:  
6549 unique CDR3  
13 unique J



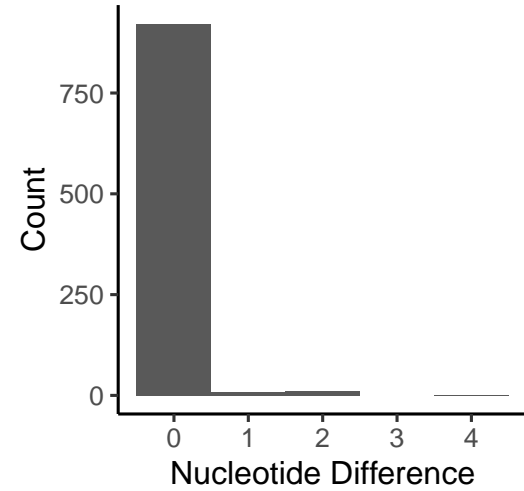
### TRBV10-2\*ap01

850 sequences assigned  
842 (99.1%) exact matches, in which:  
831 unique CDR3  
13 unique J



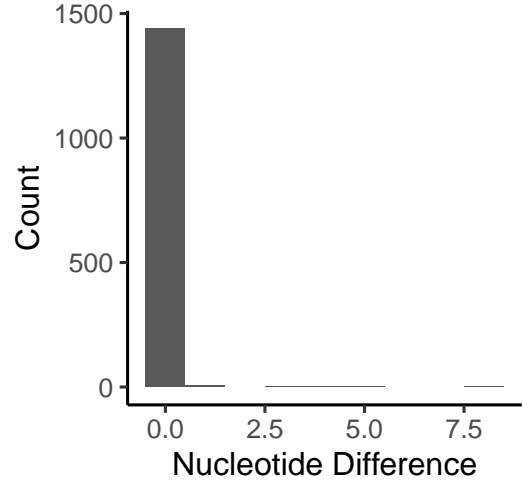
### TRBV13\*ap01

942 sequences assigned  
922 (97.9%) exact matches, in which:  
915 unique CDR3  
13 unique J



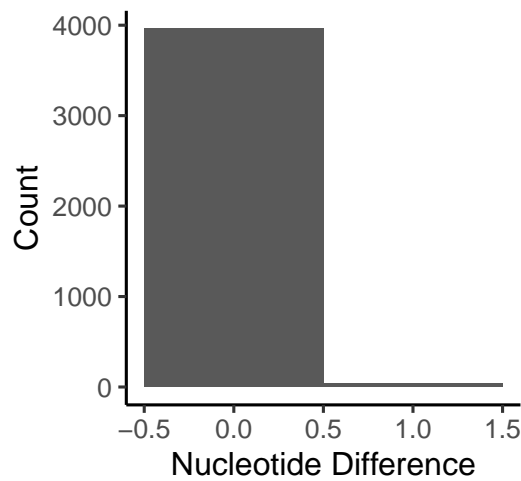
### TRBV10-1\*ap01

1450 sequences assigned  
1439 (99.2%) exact matches, in which:  
1419 unique CDR3  
13 unique J



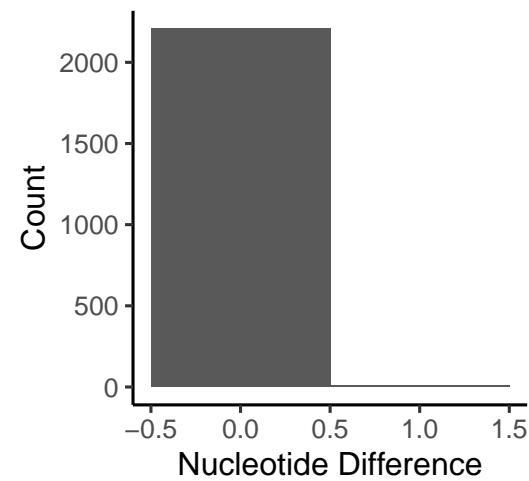
### TRBV10-3\*ap01

4003 sequences assigned  
3961 (99%) exact matches, in which:  
3900 unique CDR3  
13 unique J



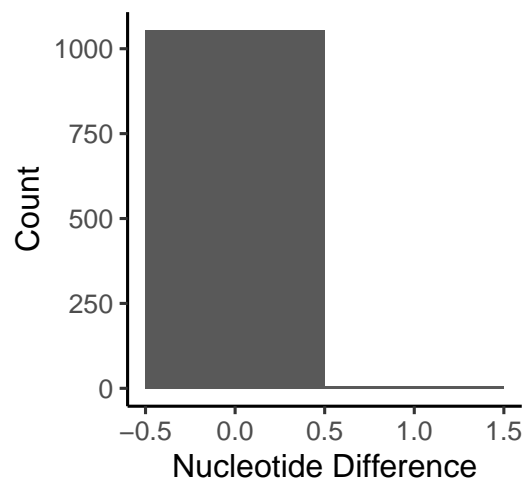
### TRBV14\*ap01

2219 sequences assigned  
2207 (99.5%) exact matches, in which:  
2189 unique CDR3  
13 unique J



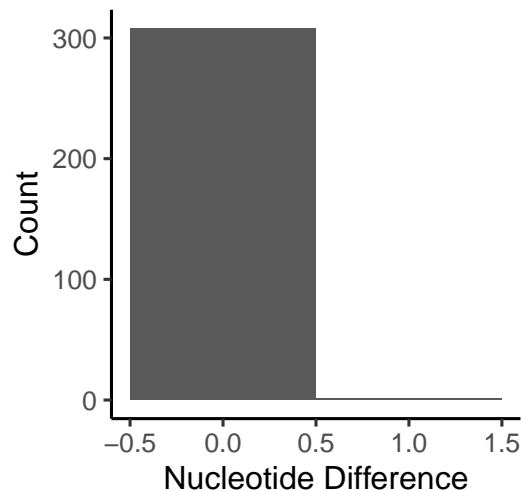
### TRBV20-1\*ap02

1062 sequences assigned  
1055 (99.3%) exact matches, in which:  
1040 unique CDR3  
13 unique J



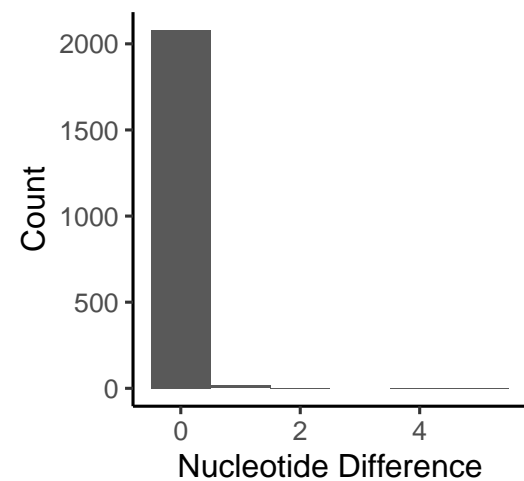
### TRBV1\*ap01

309 sequences assigned  
308 (99.7%) exact matches, in which:  
303 unique CDR3  
13 unique J



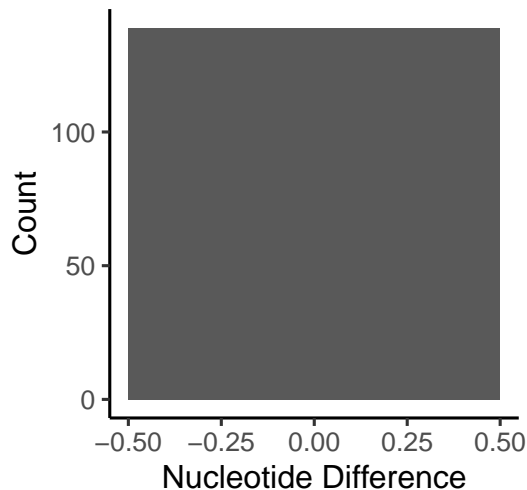
### TRBV15\*ap02

2100 sequences assigned  
2080 (99%) exact matches, in which:  
2056 unique CDR3  
13 unique J



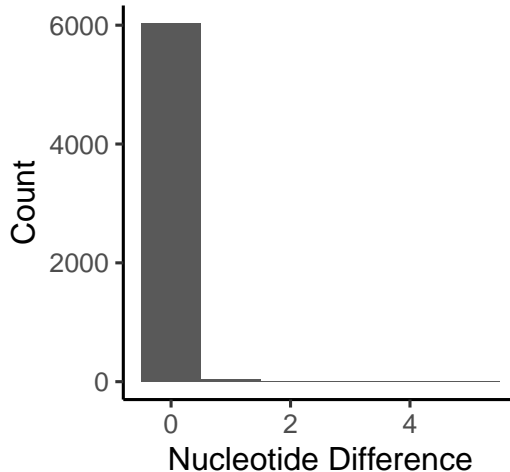
### TRBV16\*ap01

139 sequences assigned  
139 (100%) exact matches, in which:  
138 unique CDR3  
11 unique J



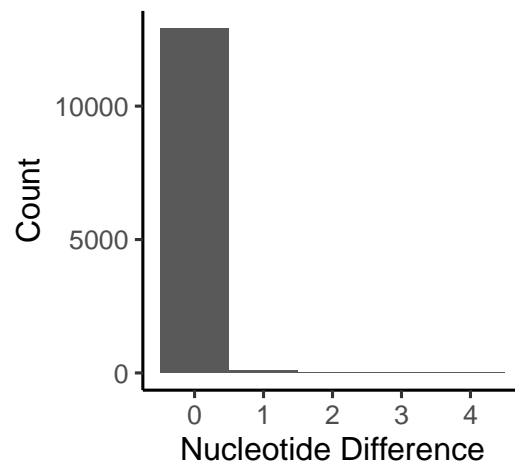
### TRBV2\*ap01

6083 sequences assigned  
6030 (99.1%) exact matches, in which:  
5950 unique CDR3  
13 unique J



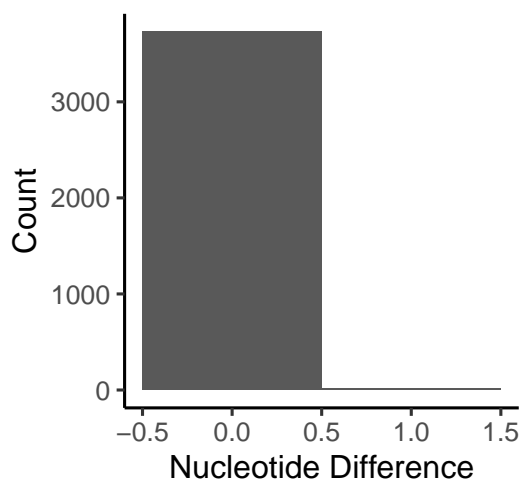
### TRBV28\*ap01

13029 sequences assigned  
12923 (99.2%) exact matches, in which:  
12820 unique CDR3  
13 unique J



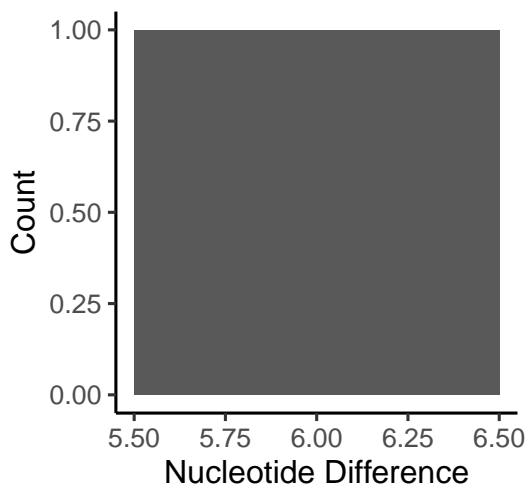
### TRBV18\*ap01

3747 sequences assigned  
3730 (99.5%) exact matches, in which:  
3707 unique CDR3  
13 unique J



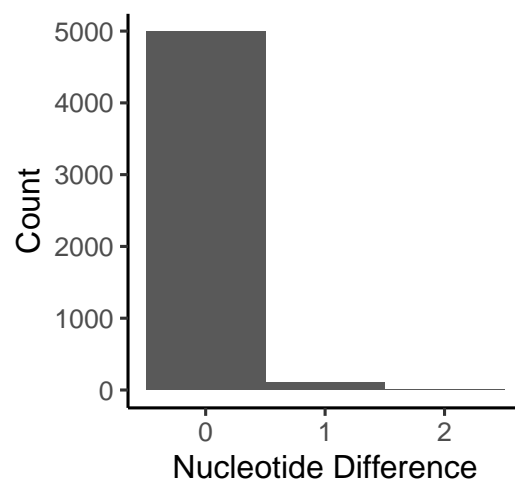
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



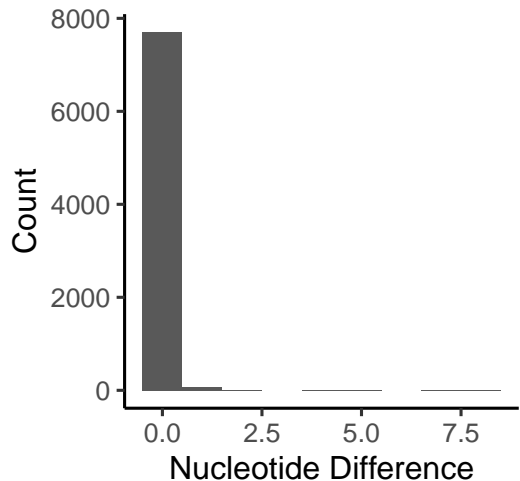
### TRBV30\*ap01

5105 sequences assigned  
4991 (97.8%) exact matches, in which:  
4895 unique CDR3  
13 unique J



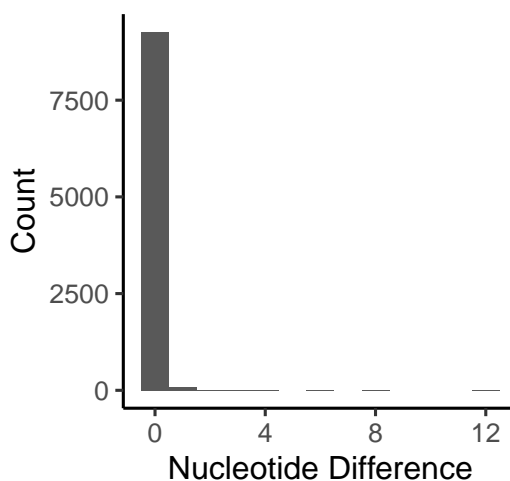
### TRBV19\*ap01

7778 sequences assigned  
7705 (99.1%) exact matches, in which:  
7655 unique CDR3  
13 unique J



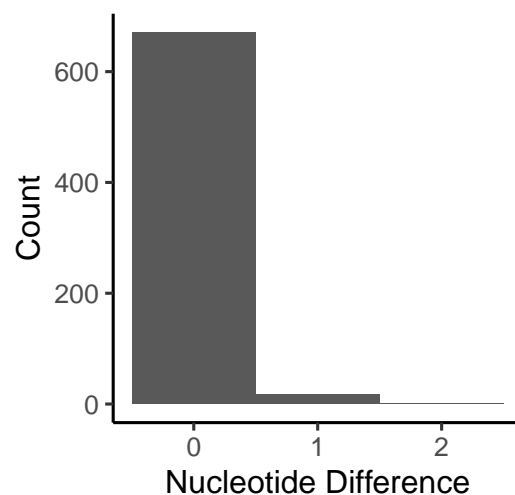
### TRBV27\*ap01

9363 sequences assigned  
9261 (98.9%) exact matches, in which:  
9146 unique CDR3  
13 unique J



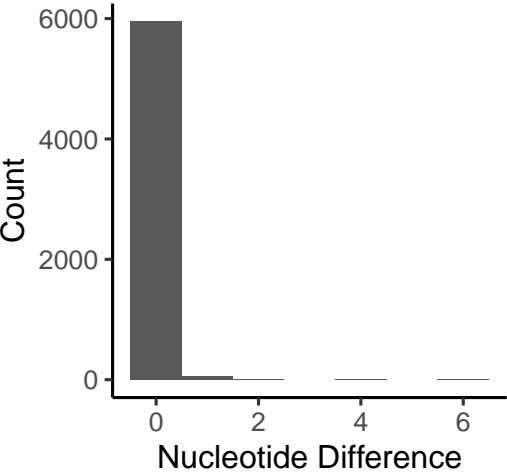
### TRBV30\*ap03

689 sequences assigned  
671 (97.4%) exact matches, in which:  
663 unique CDR3  
13 unique J



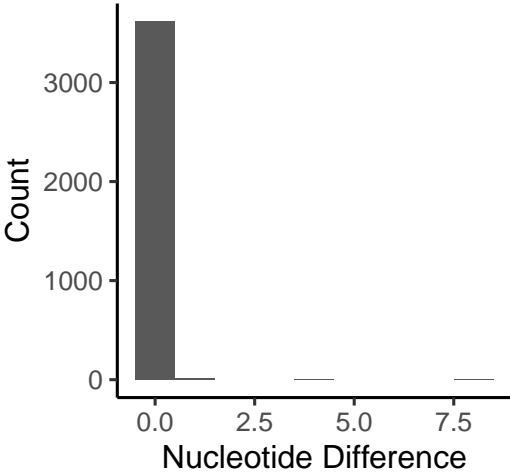
TRBV9\*ap01

6006 sequences assigned  
5953 (99.1%) exact matches, in which:  
5895 unique CDR3  
13 unique J



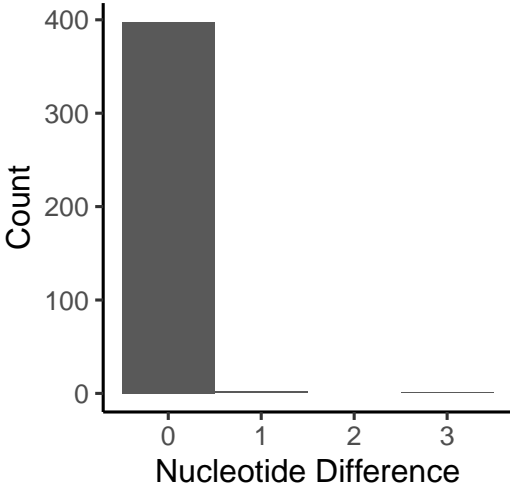
TRBV11-2\*ap01

3637 sequences assigned  
3617 (99.5%) exact matches, in which:  
3587 unique CDR3  
13 unique J



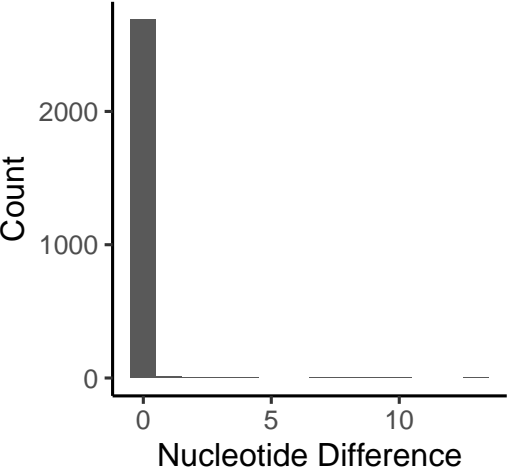
TRBV12-2\*ap01

401 sequences assigned  
398 (99.3%) exact matches, in which:  
396 unique CDR3  
13 unique J



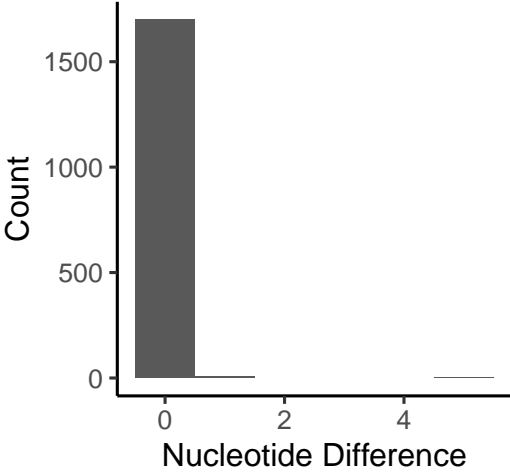
TRBV21-1\*ap01

2723 sequences assigned  
2688 (98.7%) exact matches, in which:  
2667 unique CDR3  
13 unique J



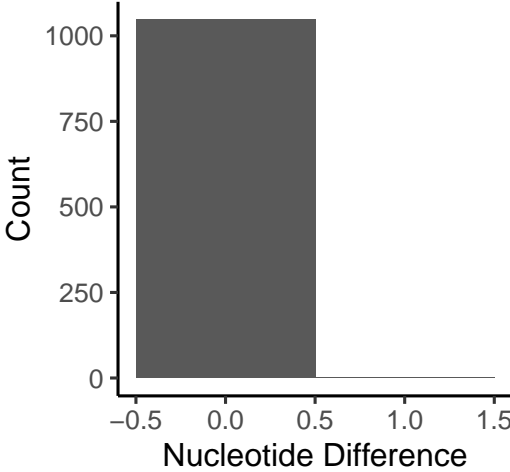
TRBV11-3\*ap01

1708 sequences assigned  
1699 (99.5%) exact matches, in which:  
1692 unique CDR3  
13 unique J



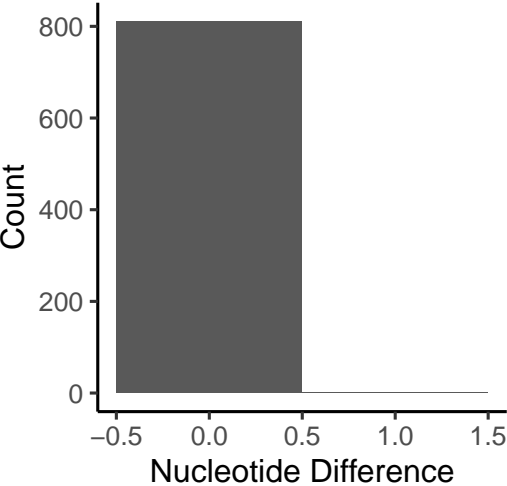
TRBV12-5\*ap01

1049 sequences assigned  
1047 (99.8%) exact matches, in which:  
1035 unique CDR3  
13 unique J



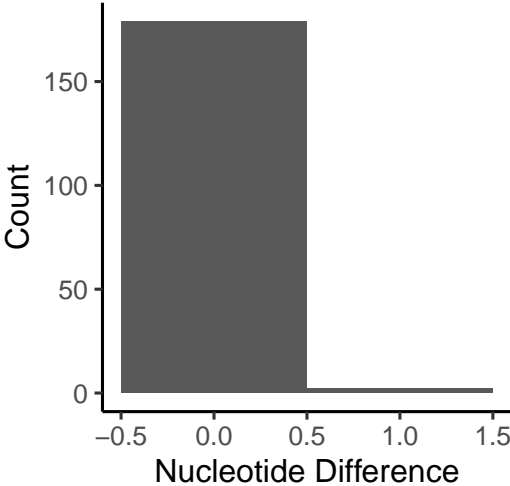
TRBV11-1\*ap01

813 sequences assigned  
811 (99.8%) exact matches, in which:  
801 unique CDR3  
13 unique J



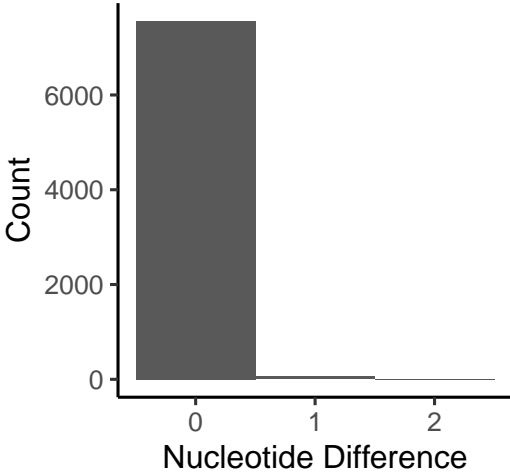
TRBV12-1\*ap01

181 sequences assigned  
179 (98.9%) exact matches, in which:  
178 unique CDR3  
13 unique J



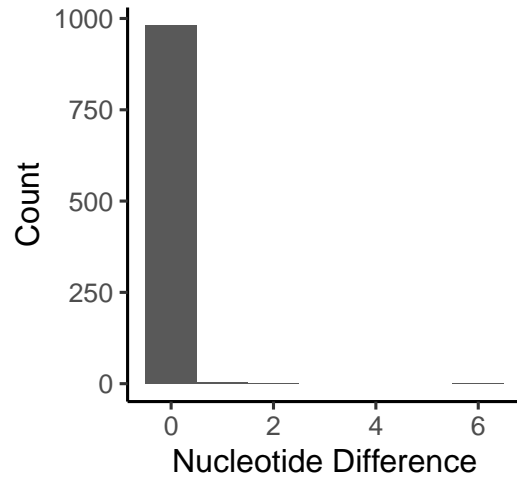
TRBV12-34\*ap01

7620 sequences assigned  
7560 (99.2%) exact matches, in which:  
7465 unique CDR3  
13 unique J



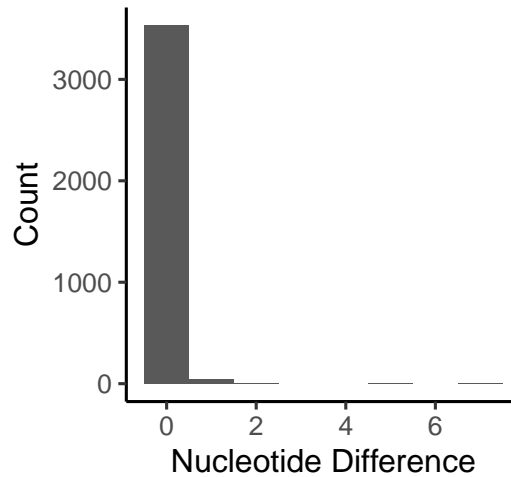
### TRBV23-1\*ap01

987 sequences assigned  
981 (99.4%) exact matches, in which:  
973 unique CDR3  
13 unique J



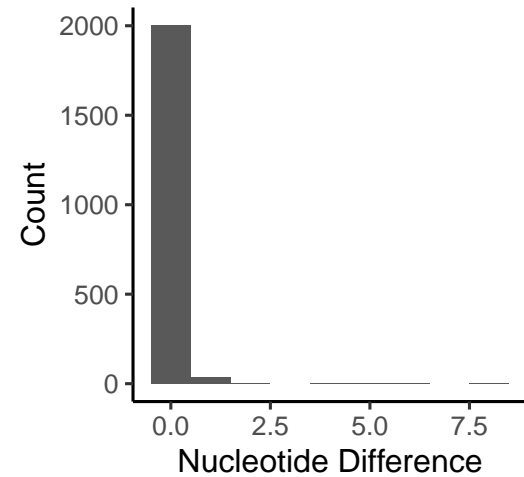
### TRBV24-1\*ap01

3577 sequences assigned  
3532 (98.7%) exact matches, in which:  
3472 unique CDR3  
13 unique J



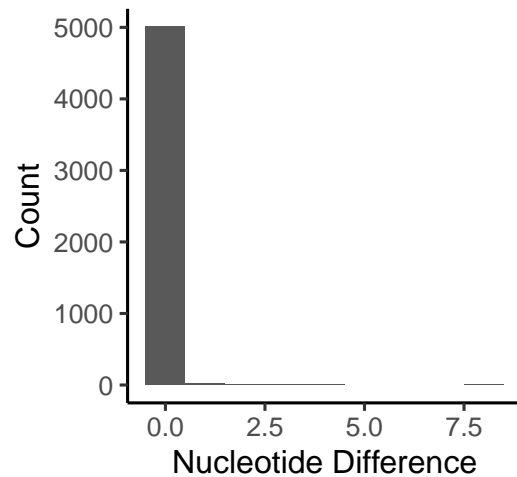
### TRBV25-1\*ap01

2047 sequences assigned  
2002 (97.8%) exact matches, in which:  
1969 unique CDR3  
13 unique J



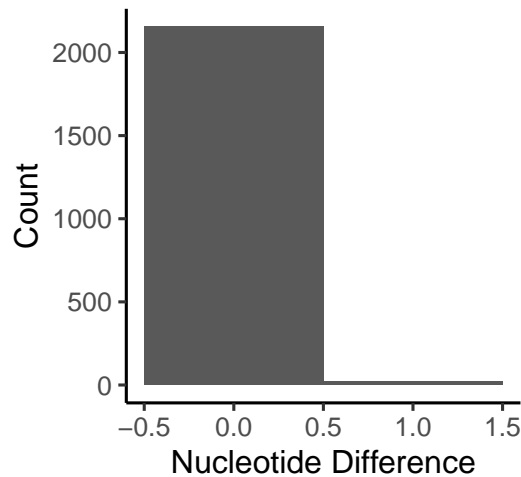
### TRBV3-12\*ap01

5040 sequences assigned  
5009 (99.4%) exact matches, in which:  
4974 unique CDR3  
13 unique J



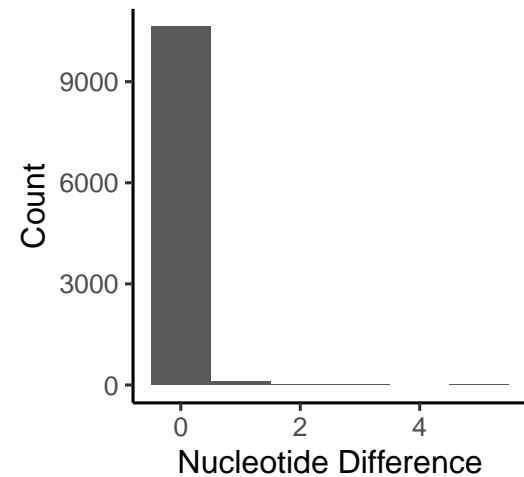
### TRBV4-2\*ap01

2177 sequences assigned  
2155 (99%) exact matches, in which:  
2122 unique CDR3  
13 unique J



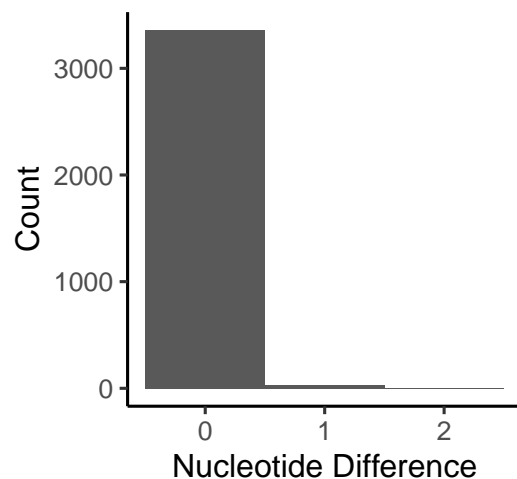
### TRBV5-1\*ap01

10741 sequences assigned  
10630 (99%) exact matches, in which:  
10497 unique CDR3  
13 unique J



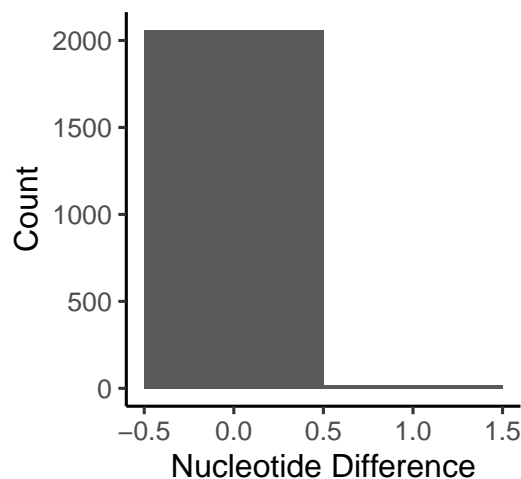
### TRBV4-1\*ap01

3391 sequences assigned  
3359 (99.1%) exact matches, in which:  
3319 unique CDR3  
13 unique J



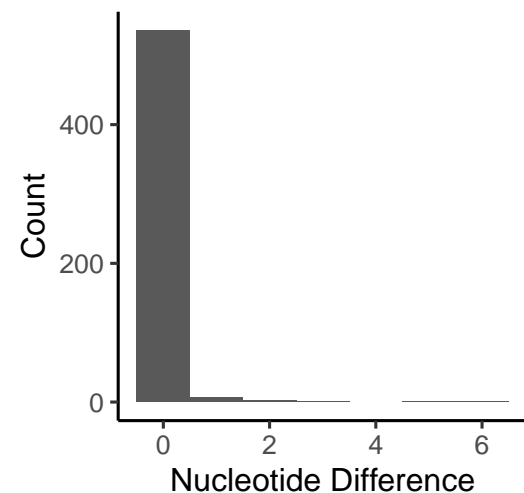
### TRBV4-3\*ap01

2080 sequences assigned  
2060 (99%) exact matches, in which:  
2035 unique CDR3  
13 unique J



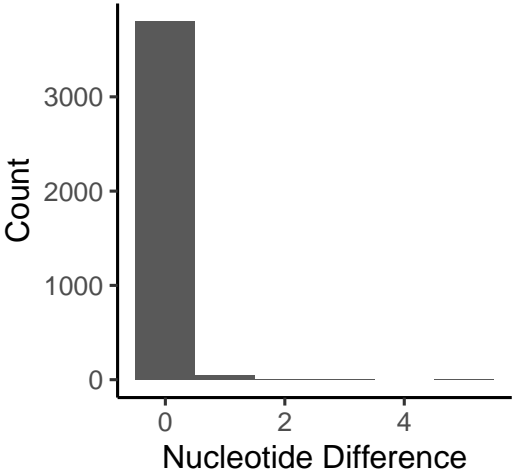
### TRBV5-3\*ap01

547 sequences assigned  
536 (98%) exact matches, in which:  
529 unique CDR3  
13 unique J



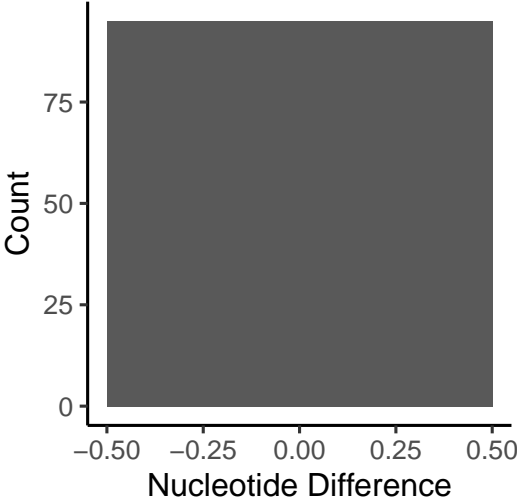
TRBV5-4\*ap01

3850 sequences assigned  
3800 (98.7%) exact matches, in which:  
3745 unique CDR3  
13 unique J



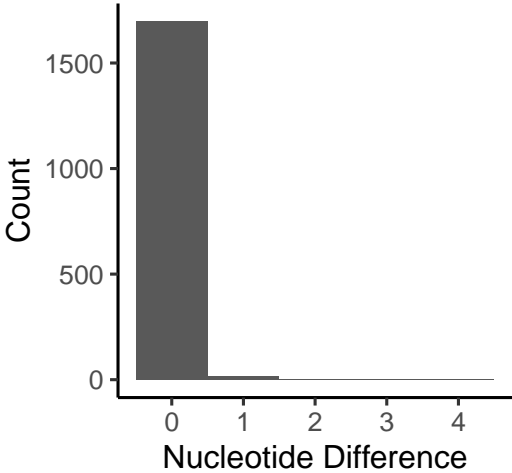
TRBV5-7\*ap01

95 sequences assigned  
95 (100%) exact matches, in which:  
95 unique CDR3  
12 unique J



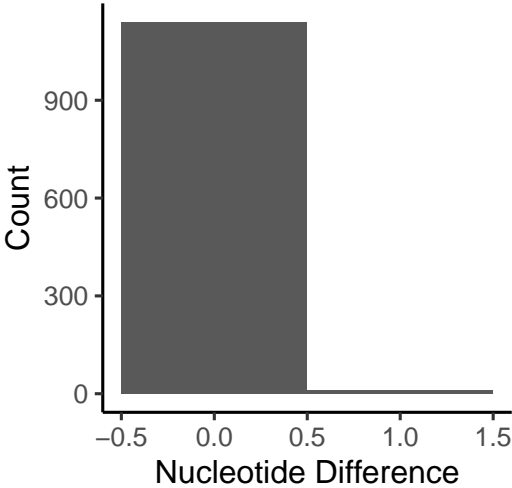
TRBV6-4\*ap01

1722 sequences assigned  
1697 (98.5%) exact matches, in which:  
1677 unique CDR3  
13 unique J



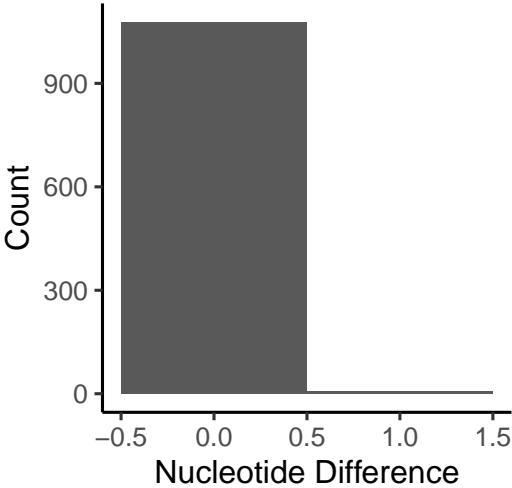
TRBV5-5\*ap01

1152 sequences assigned  
1140 (99%) exact matches, in which:  
1137 unique CDR3  
13 unique J



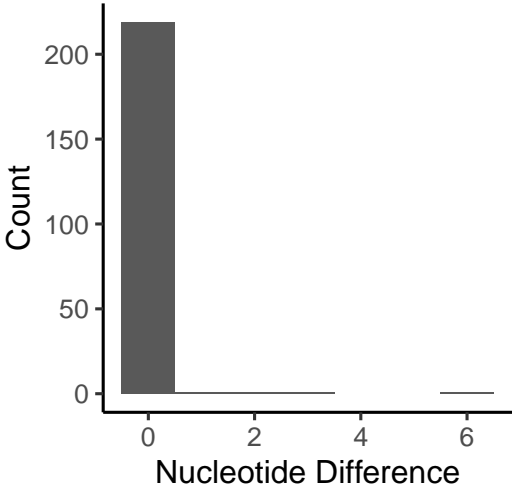
TRBV5-8\*ap01

1084 sequences assigned  
1078 (99.4%) exact matches, in which:  
1062 unique CDR3  
13 unique J



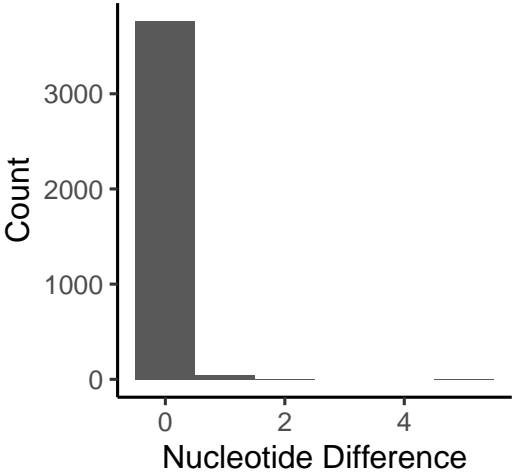
TRBV6-7\*ap01

223 sequences assigned  
219 (98.2%) exact matches, in which:  
211 unique CDR3  
13 unique J



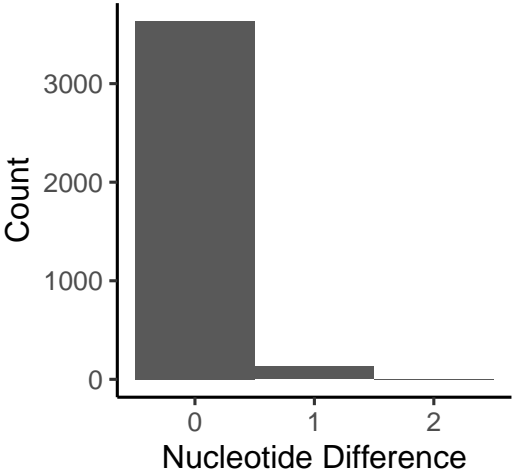
TRBV5-6\*ap01

3812 sequences assigned  
3764 (98.7%) exact matches, in which:  
3665 unique CDR3  
13 unique J



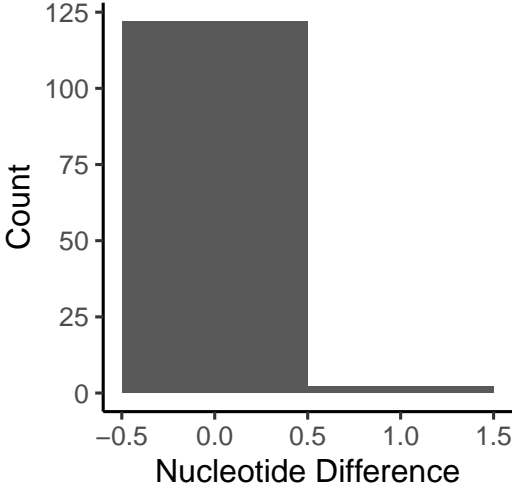
TRBV6-1\*ap01

3767 sequences assigned  
3635 (96.5%) exact matches, in which:  
3576 unique CDR3  
13 unique J



TRBV6-8\*ap01

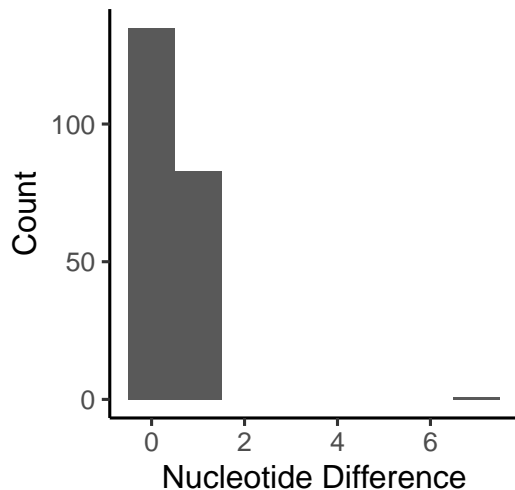
124 sequences assigned  
122 (98.4%) exact matches, in which:  
121 unique CDR3  
13 unique J





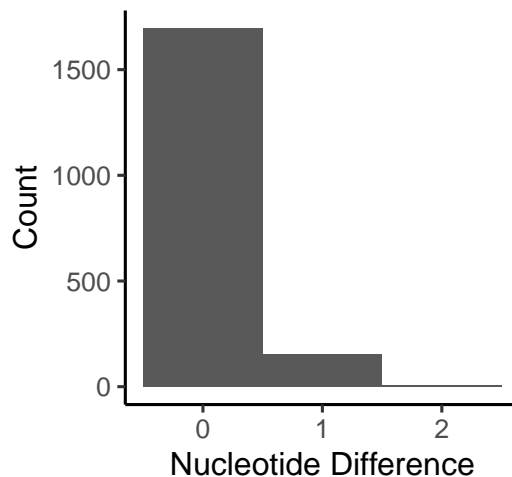
### TRBV6-9\*ap01

219 sequences assigned  
135 (61.6%) exact matches, in which:  
132 unique CDR3  
12 unique J



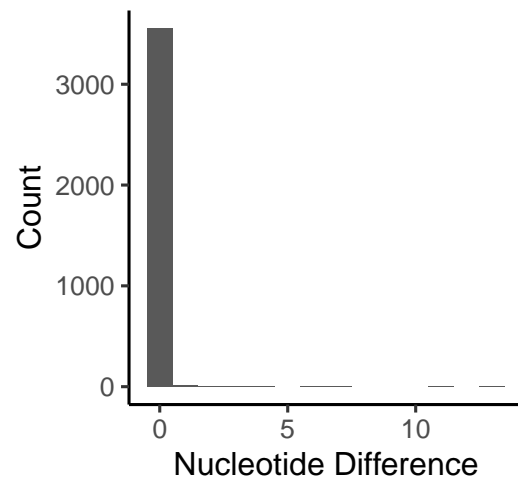
### TRBV6-56\*ap02

1855 sequences assigned  
1695 (91.4%) exact matches, in which:  
1665 unique CDR3  
13 unique J



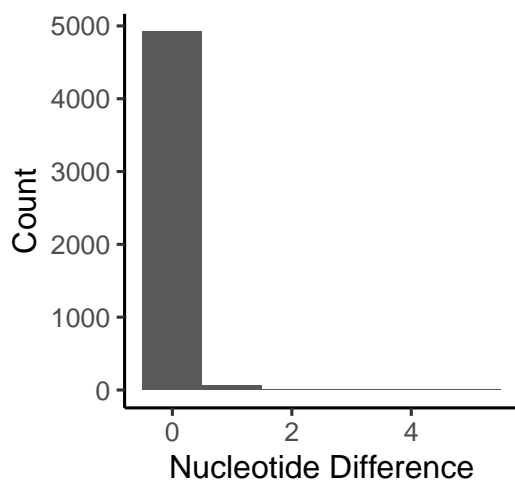
### TRBV7-3\*ap01

3574 sequences assigned  
3554 (99.4%) exact matches, in which:  
3517 unique CDR3  
13 unique J



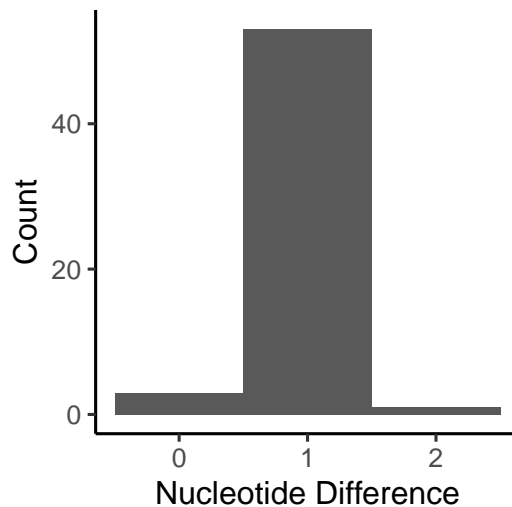
### TRBV6-23\*ap01

4987 sequences assigned  
4920 (98.7%) exact matches, in which:  
4821 unique CDR3  
13 unique J



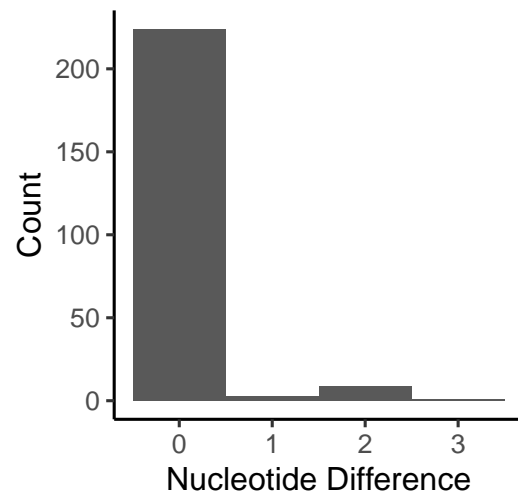
### TRBV7-1\*ap01\_T296C

57 sequences assigned  
3 (5.3%) exact matches, in which:  
3 unique CDR3  
3 unique J



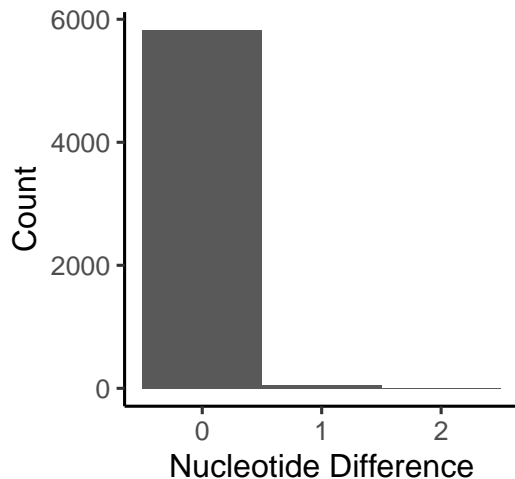
### TRBV7-4\*ap01

237 sequences assigned  
224 (94.5%) exact matches, in which:  
223 unique CDR3  
13 unique J



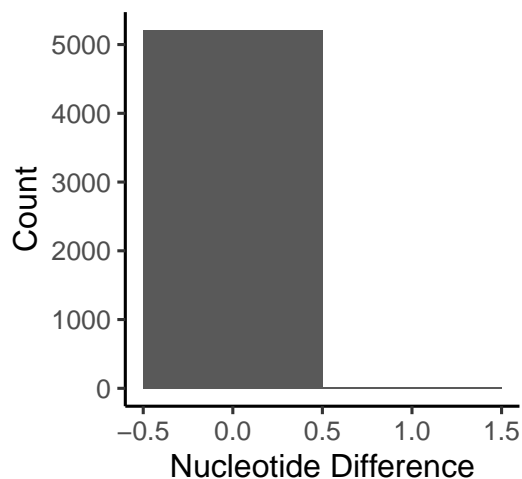
### TRBV6-56\*ap01

5884 sequences assigned  
5825 (99%) exact matches, in which:  
5711 unique CDR3  
13 unique J



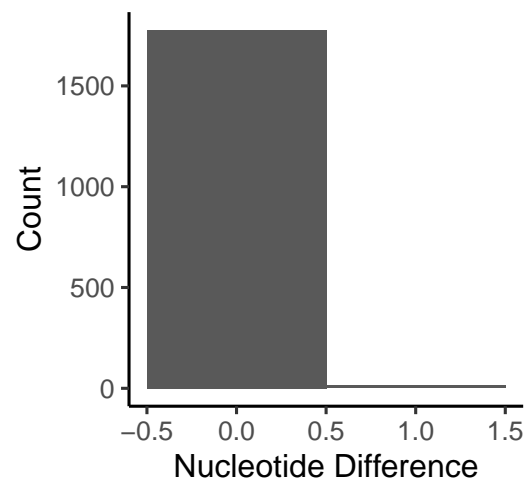
### TRBV7-2\*ap01

5231 sequences assigned  
5211 (99.6%) exact matches, in which:  
5172 unique CDR3  
13 unique J



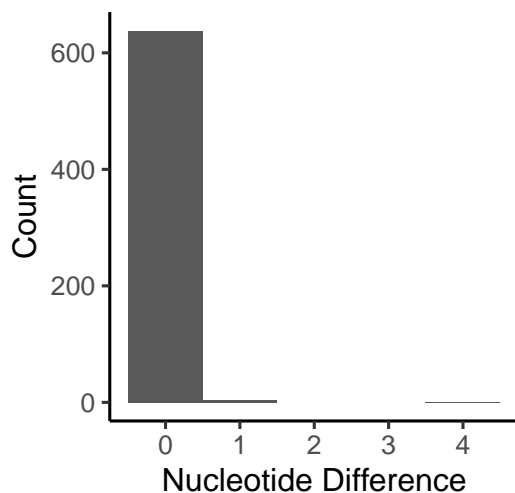
### TRBV7-6\*ap01

1791 sequences assigned  
1777 (99.2%) exact matches, in which:  
1758 unique CDR3  
13 unique J



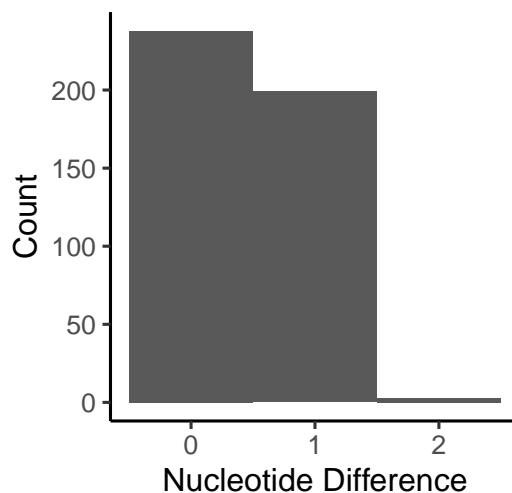
### TRBV7-7\*ap01\_C315T

643 sequences assigned  
638 (99.2%) exact matches, in which:  
633 unique CDR3  
13 unique J



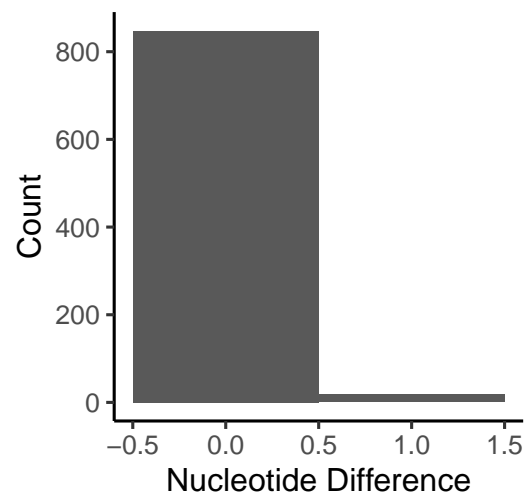
### TRBV7-8\*ap03

440 sequences assigned  
238 (54.1%) exact matches, in which:  
235 unique CDR3  
13 unique J



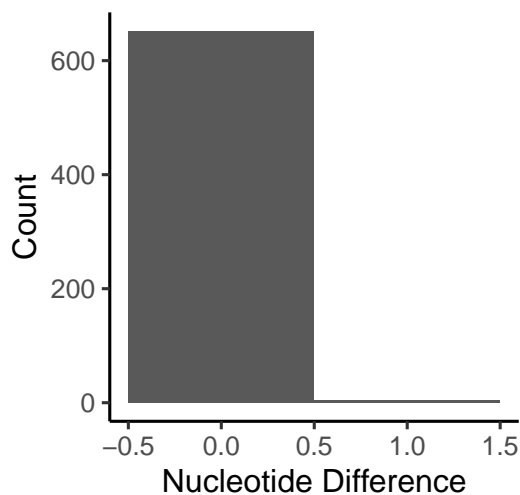
### TRBV29-1\*ap02

866 sequences assigned  
848 (97.9%) exact matches, in which:  
839 unique CDR3  
13 unique J



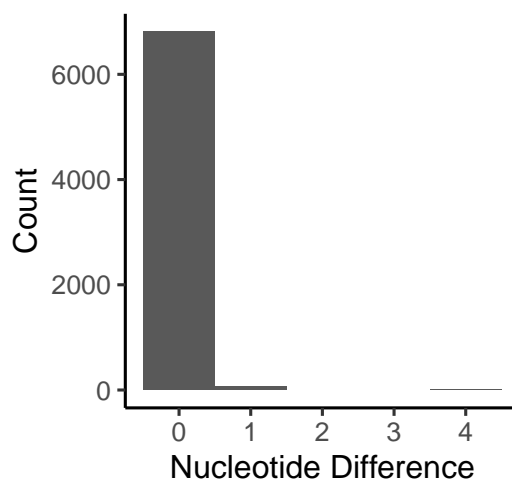
### TRBV7-8\*ap01

656 sequences assigned  
652 (99.4%) exact matches, in which:  
649 unique CDR3  
13 unique J



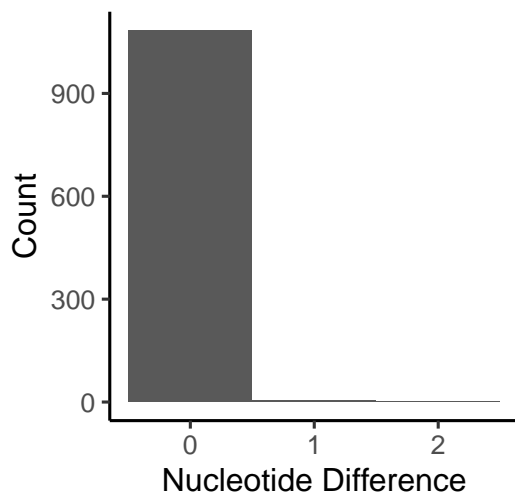
### TRBV7-9\*ap01

6870 sequences assigned  
6810 (99.1%) exact matches, in which:  
6742 unique CDR3  
13 unique J



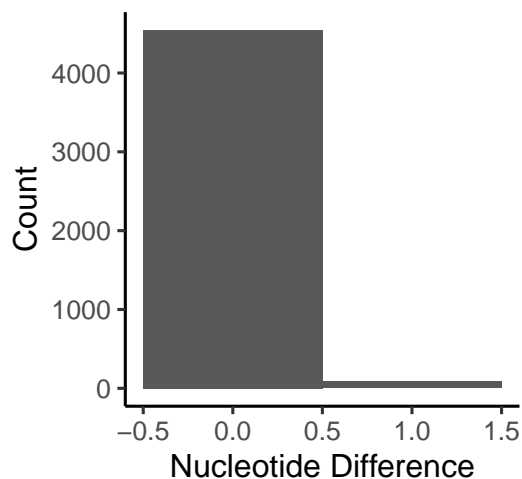
### TRBV7-8\*ap02

1090 sequences assigned  
1084 (99.4%) exact matches, in which:  
1065 unique CDR3  
13 unique J

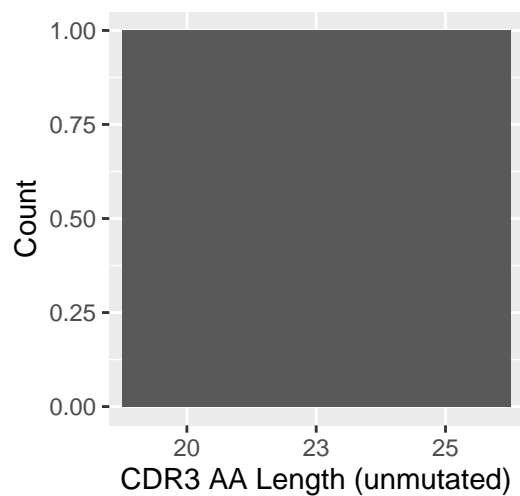


### TRBV29-1\*ap01

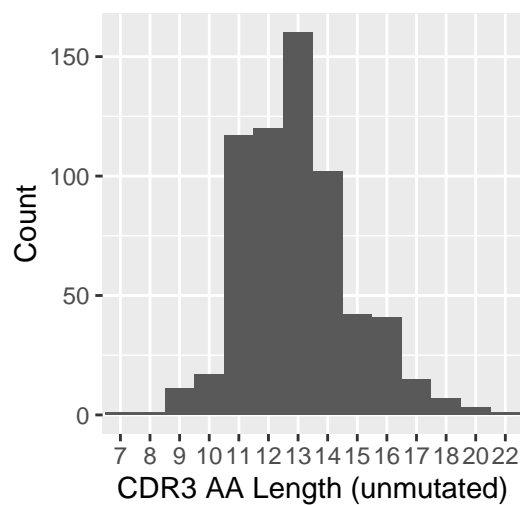
4632 sequences assigned  
4545 (98.1%) exact matches, in which:  
4443 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.