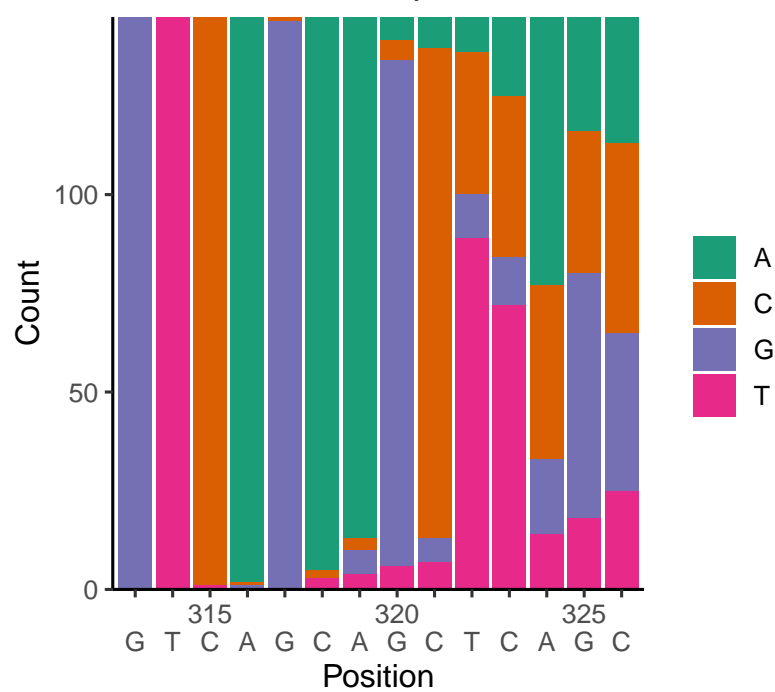
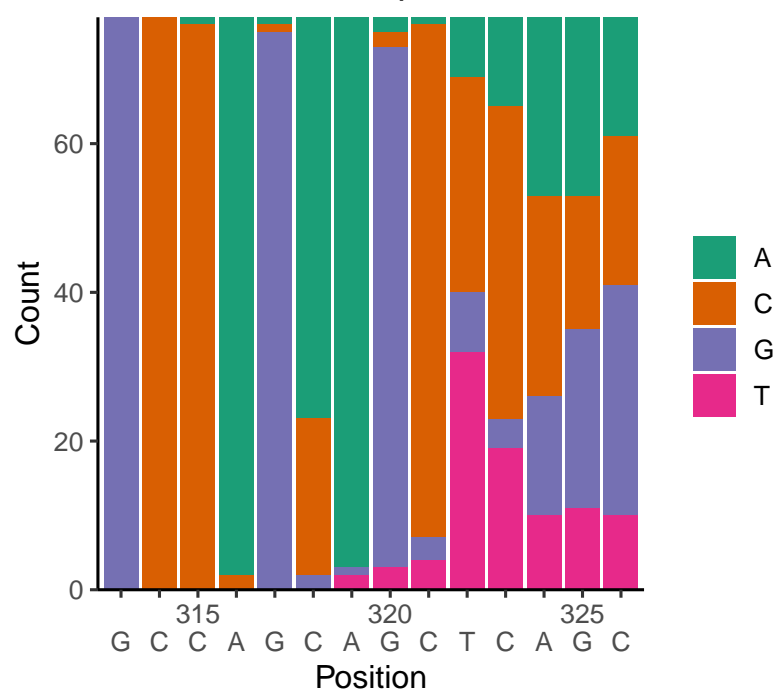


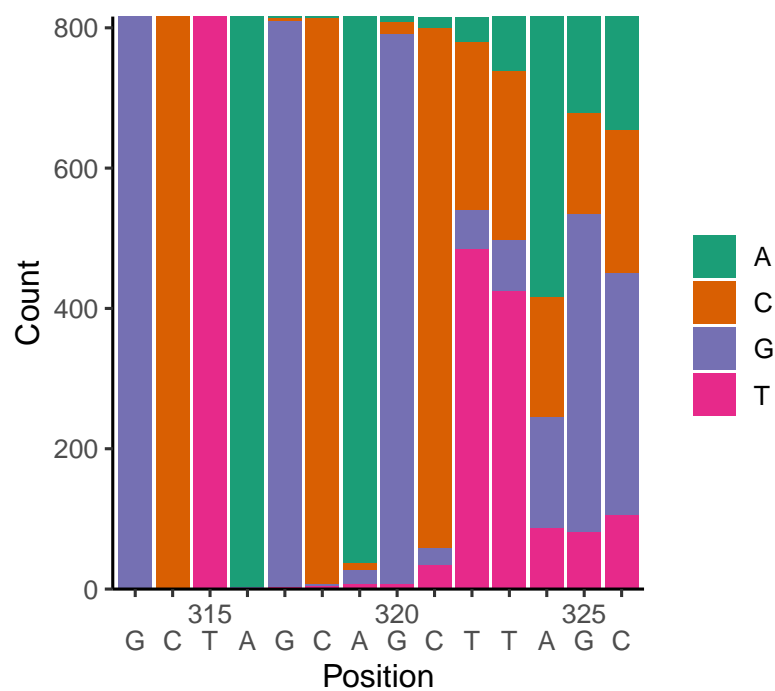
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C\_C314T



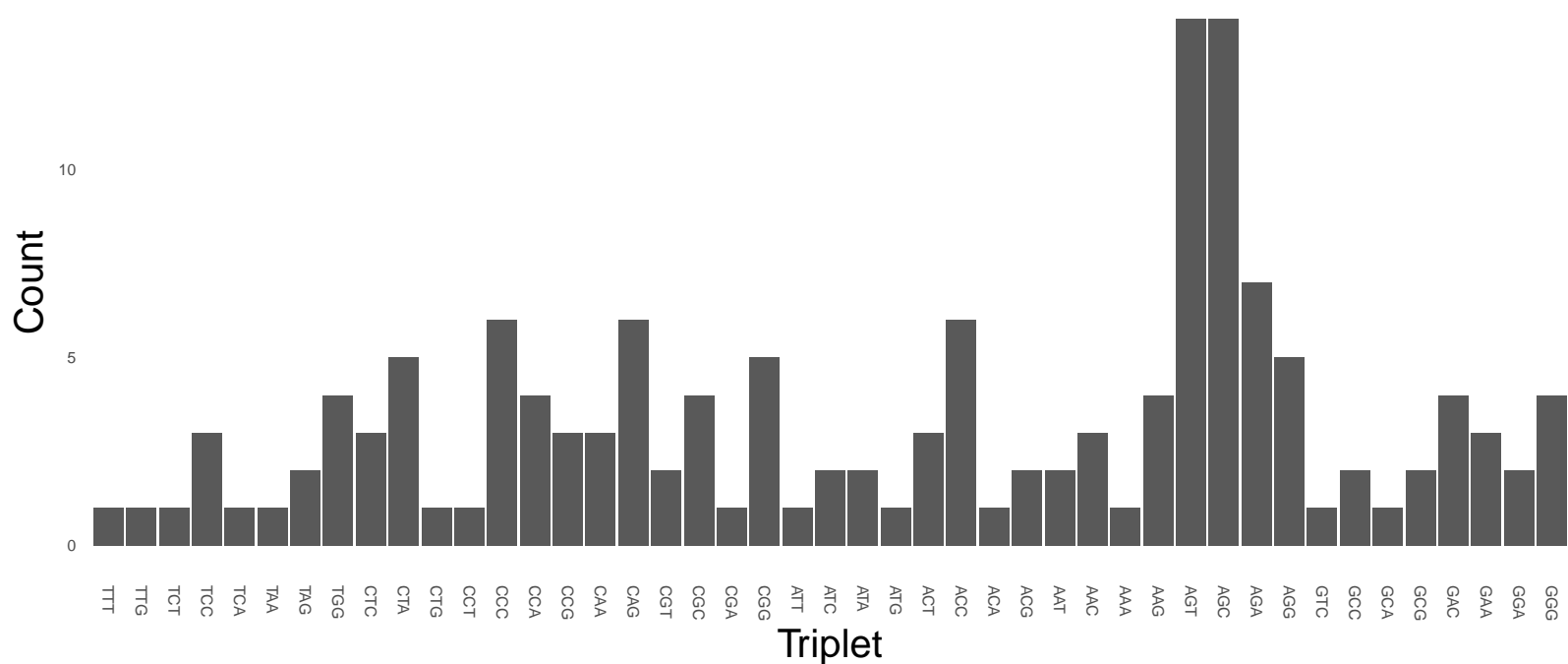
Gene TRBV7-1\*ap01\_T296C



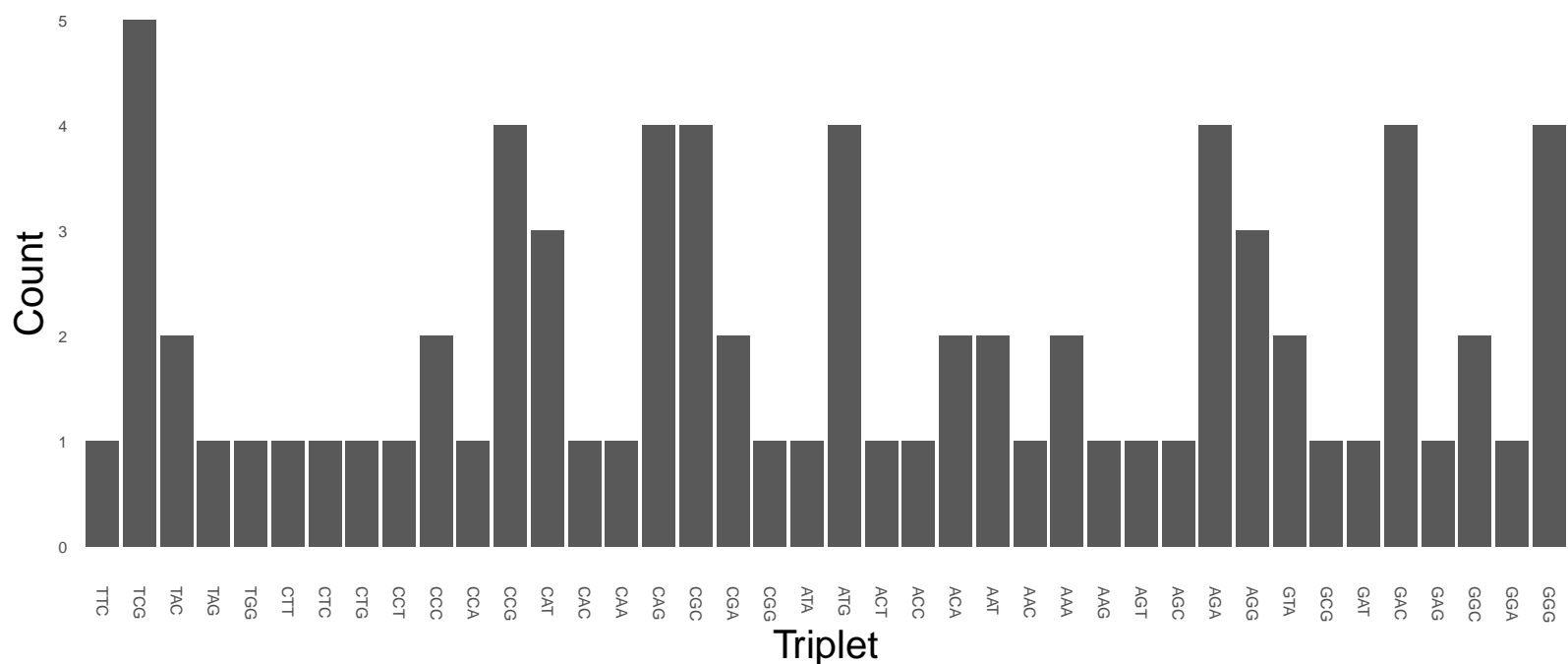
Gene TRBV7-7\*ap01\_C315T



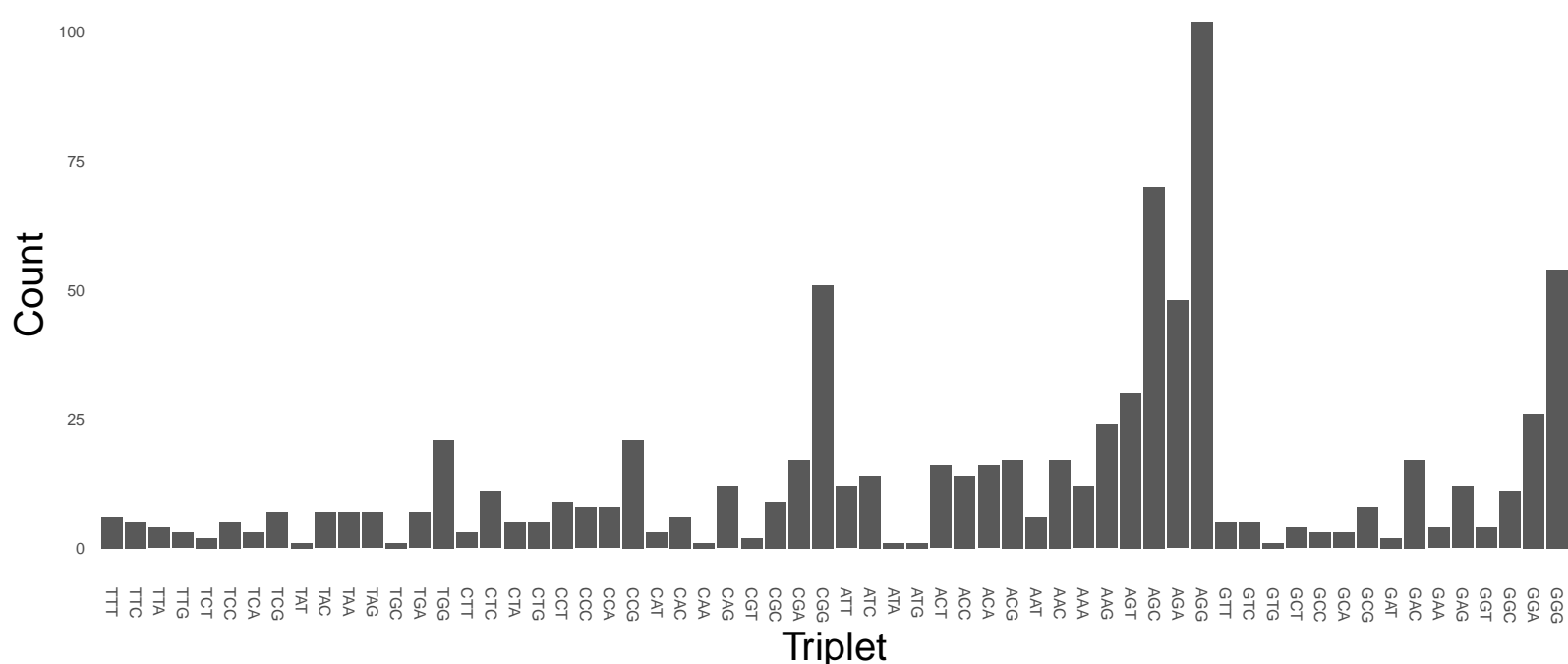
TRBV7-1\*ap01\_T296C\_ C314T- Final 3 nucleotides as a triplet



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

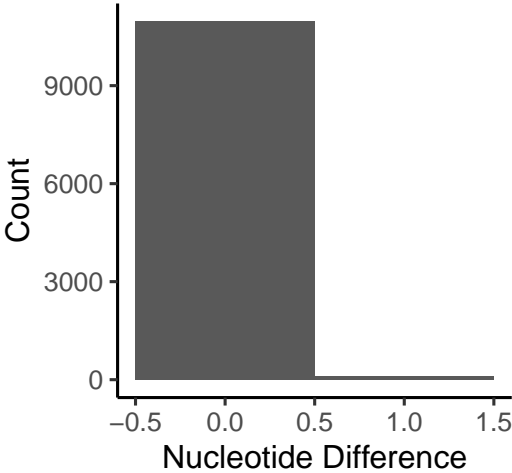


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



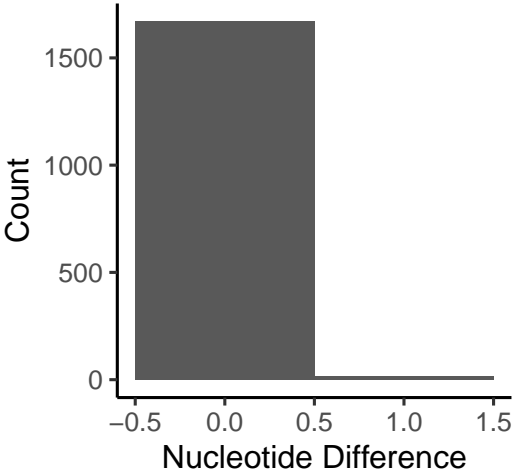
TRBV20-1\*ap01

11085 sequences assigned  
10966 (98.9%) exact matches, in which:  
10768 unique CDR3  
13 unique J



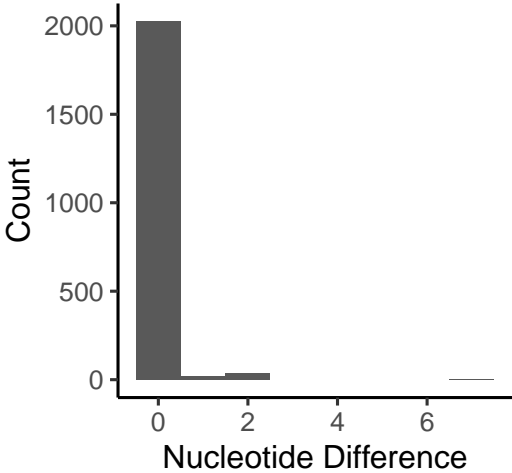
TRBV10-2\*ap01

1686 sequences assigned  
1670 (99.1%) exact matches, in which:  
1623 unique CDR3  
13 unique J



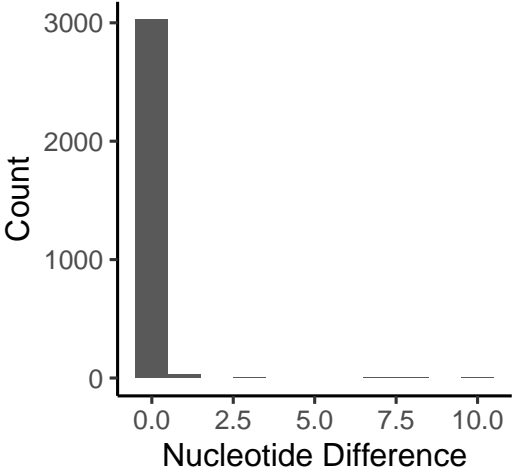
TRBV13\*ap01

2084 sequences assigned  
2025 (97.2%) exact matches, in which:  
1955 unique CDR3  
13 unique J



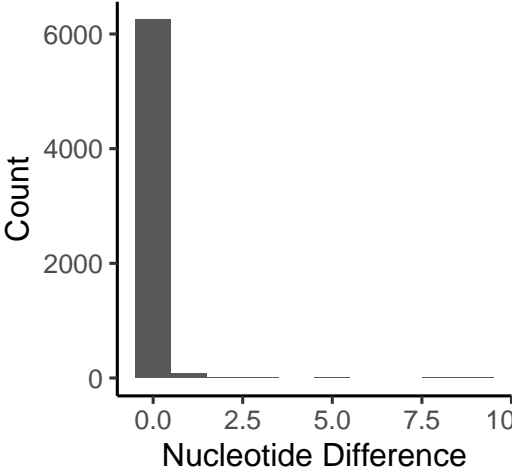
TRBV10-1\*ap01

3057 sequences assigned  
3026 (99%) exact matches, in which:  
2959 unique CDR3  
13 unique J



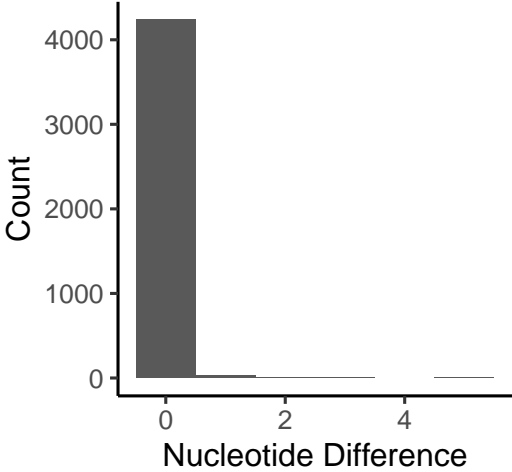
TRBV10-3\*ap01

6332 sequences assigned  
6249 (98.7%) exact matches, in which:  
6113 unique CDR3  
13 unique J



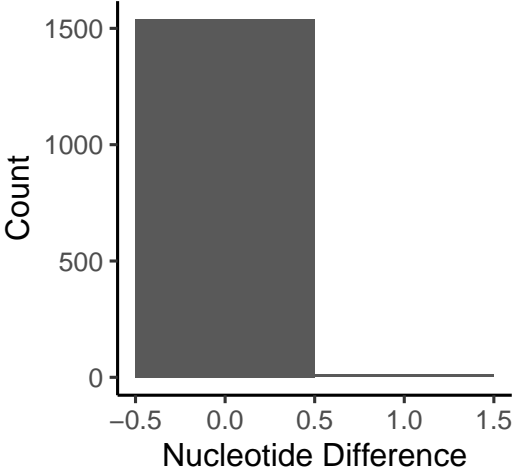
TRBV14\*ap01

4267 sequences assigned  
4237 (99.3%) exact matches, in which:  
4166 unique CDR3  
13 unique J



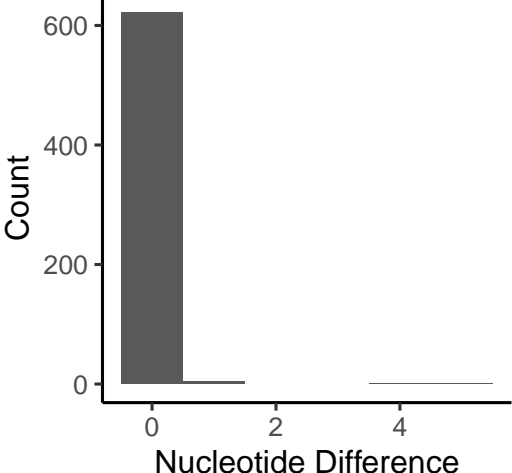
TRBV20-1\*ap02

1552 sequences assigned  
1540 (99.2%) exact matches, in which:  
1504 unique CDR3  
13 unique J



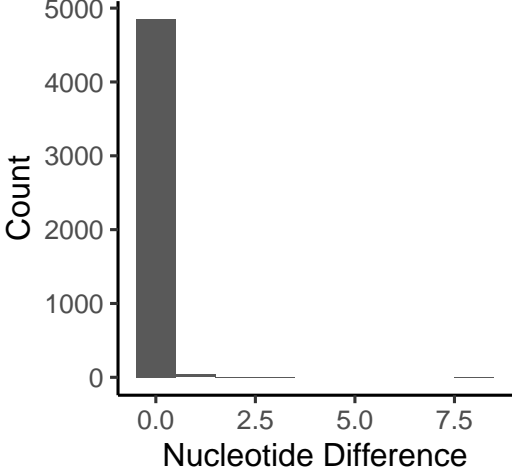
TRBV1\*ap01

628 sequences assigned  
622 (99%) exact matches, in which:  
602 unique CDR3  
13 unique J



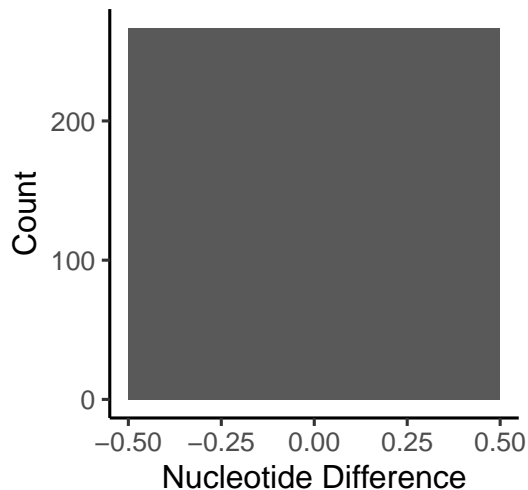
TRBV15\*ap02

4894 sequences assigned  
4852 (99.1%) exact matches, in which:  
4757 unique CDR3  
13 unique J



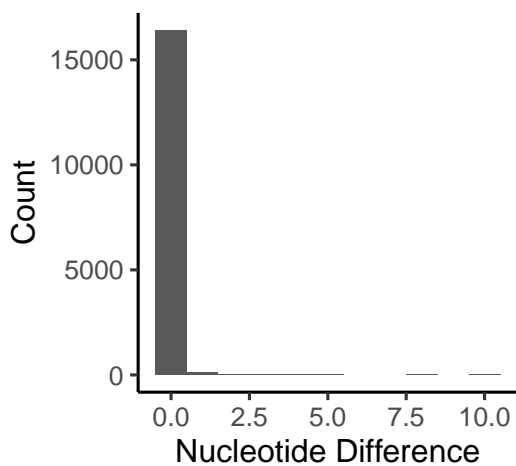
### TRBV16\*ap01

267 sequences assigned  
267 (100%) exact matches, in which:  
265 unique CDR3  
13 unique J



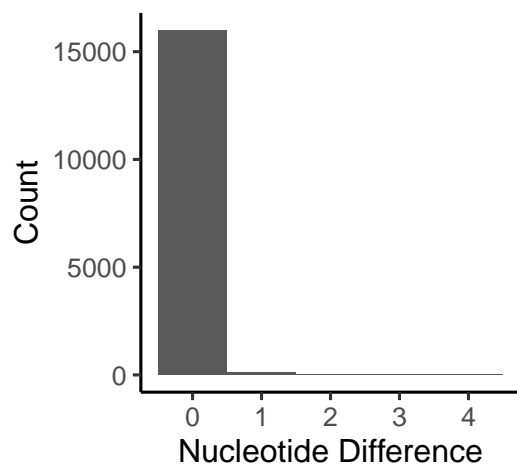
### TRBV19\*ap01

16564 sequences assigned  
16413 (99.1%) exact matches, in which:  
16157 unique CDR3  
13 unique J



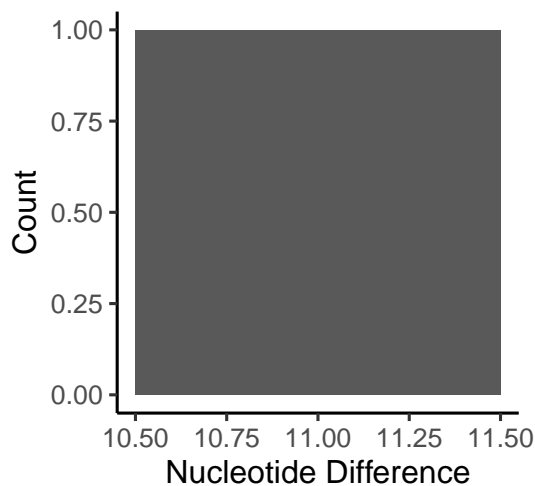
### TRBV28\*ap01

16131 sequences assigned  
15999 (99.2%) exact matches, in which:  
15665 unique CDR3  
13 unique J



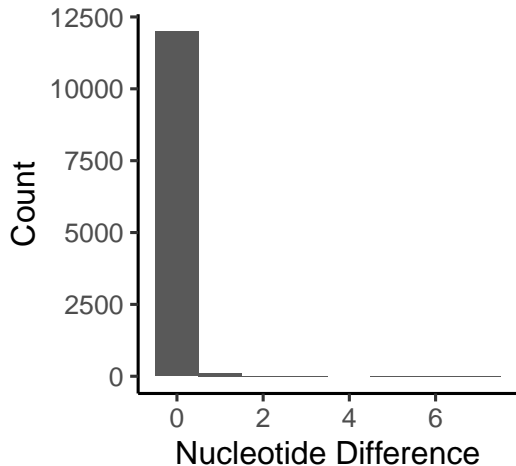
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



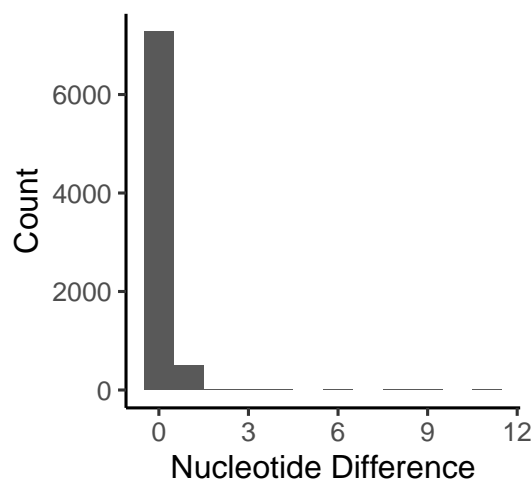
### TRBV2\*ap01

12118 sequences assigned  
11995 (99%) exact matches, in which:  
11756 unique CDR3  
13 unique J



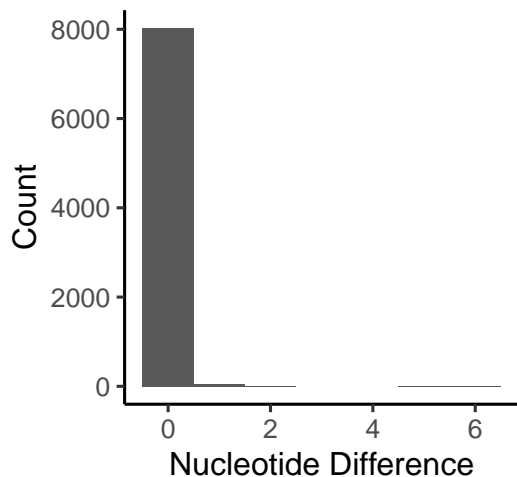
### TRBV30\*ap01

7786 sequences assigned  
7275 (93.4%) exact matches, in which:  
7179 unique CDR3  
13 unique J



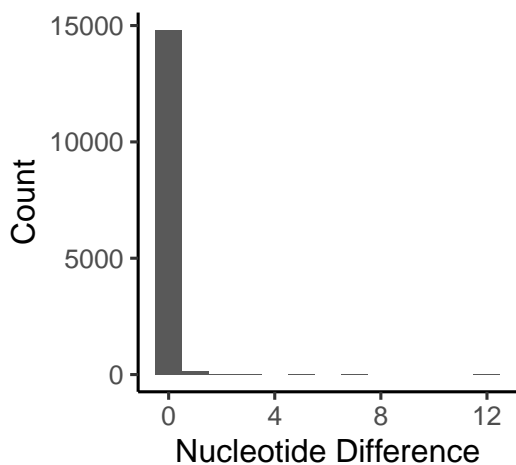
### TRBV18\*ap01

8088 sequences assigned  
8028 (99.3%) exact matches, in which:  
7912 unique CDR3  
13 unique J



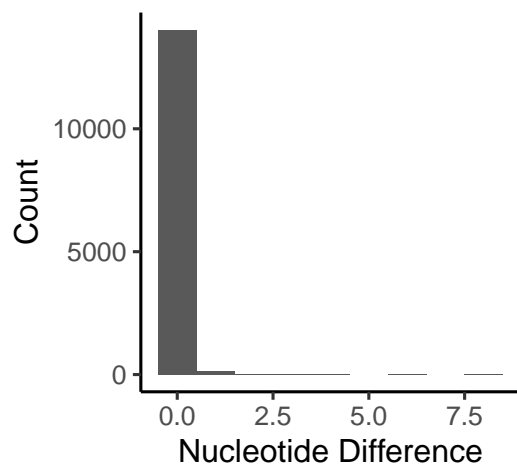
### TRBV27\*ap01

14996 sequences assigned  
14818 (98.8%) exact matches, in which:  
14444 unique CDR3  
13 unique J



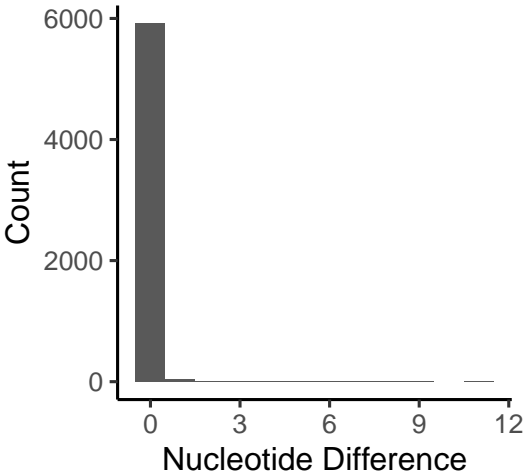
### TRBV9\*ap01

14185 sequences assigned  
14028 (98.9%) exact matches, in which:  
13745 unique CDR3  
13 unique J



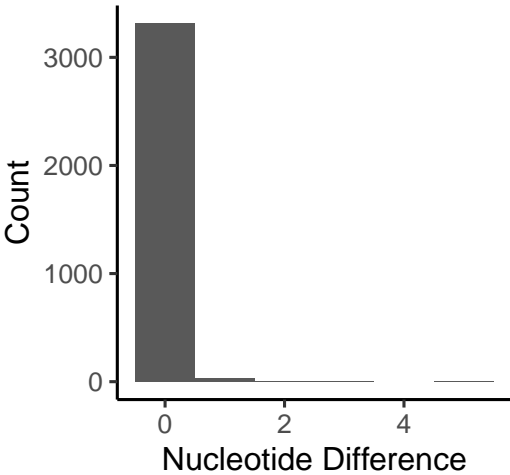
TRBV21-1\*ap01

5993 sequences assigned  
5918 (98.7%) exact matches, in which:  
5785 unique CDR3  
14 unique J



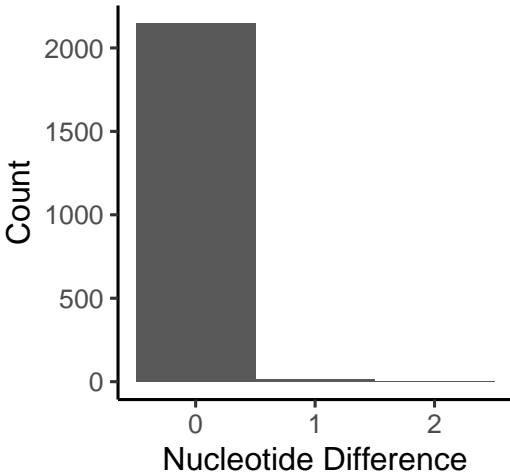
TRBV11-3\*ap01

3349 sequences assigned  
3314 (99%) exact matches, in which:  
3239 unique CDR3  
13 unique J



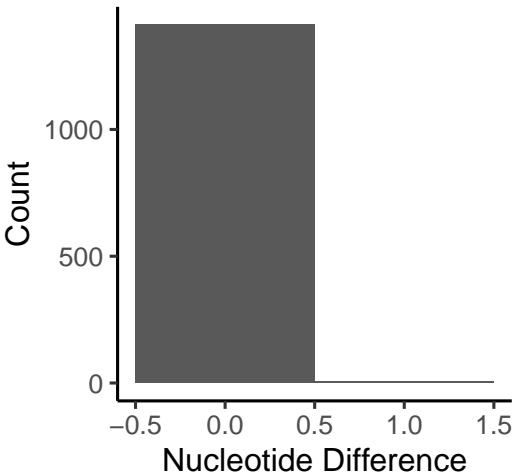
TRBV12-5\*ap01

2165 sequences assigned  
2147 (99.2%) exact matches, in which:  
2110 unique CDR3  
13 unique J



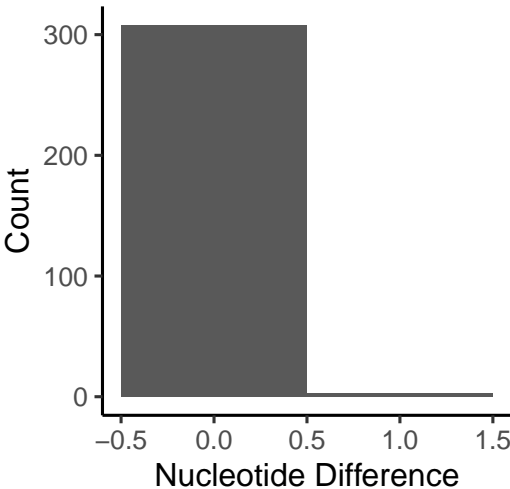
TRBV11-1\*ap01

1418 sequences assigned  
1413 (99.6%) exact matches, in which:  
1378 unique CDR3  
13 unique J



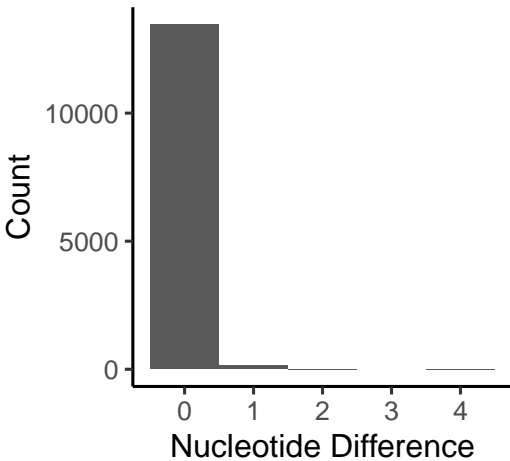
TRBV12-1\*ap01

311 sequences assigned  
308 (99%) exact matches, in which:  
305 unique CDR3  
12 unique J



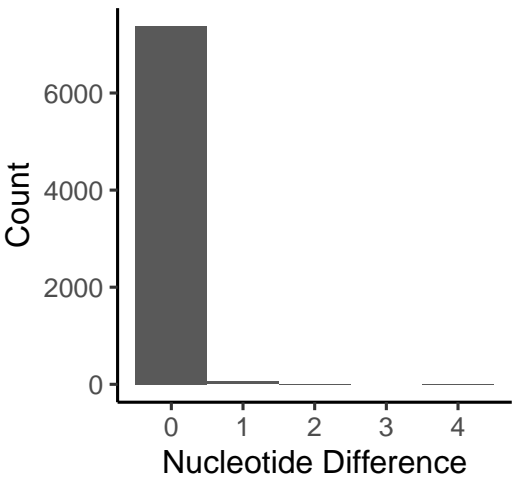
TRBV12-34\*ap01

13611 sequences assigned  
13463 (98.9%) exact matches, in which:  
13202 unique CDR3  
13 unique J



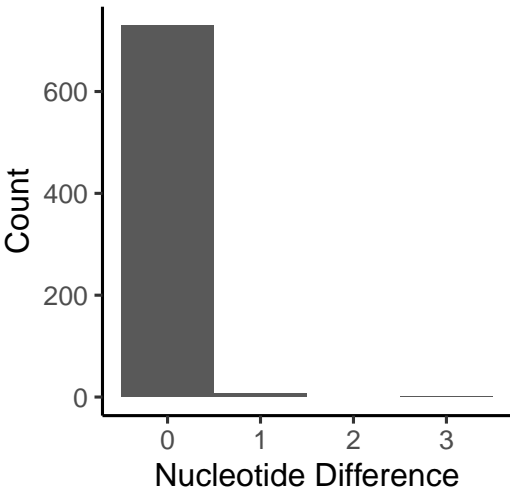
TRBV11-2\*ap01

7439 sequences assigned  
7379 (99.2%) exact matches, in which:  
7191 unique CDR3  
13 unique J



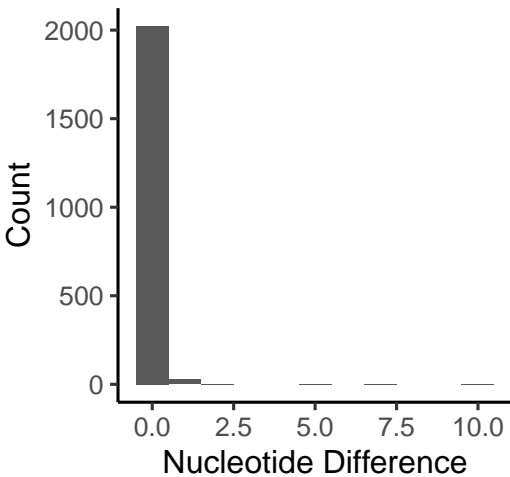
TRBV12-2\*ap01

738 sequences assigned  
730 (98.9%) exact matches, in which:  
716 unique CDR3  
13 unique J



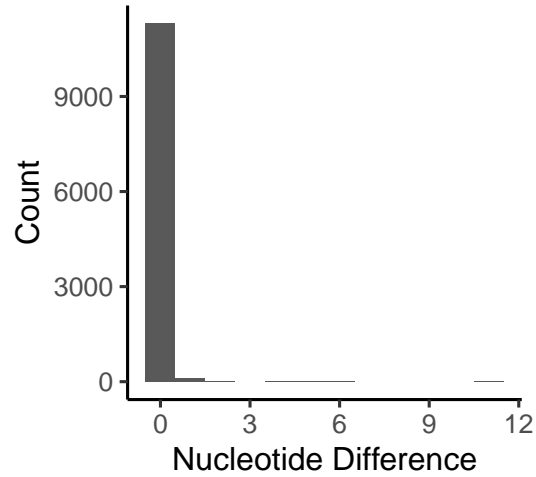
TRBV23-1\*ap01

2056 sequences assigned  
2023 (98.4%) exact matches, in which:  
1979 unique CDR3  
13 unique J



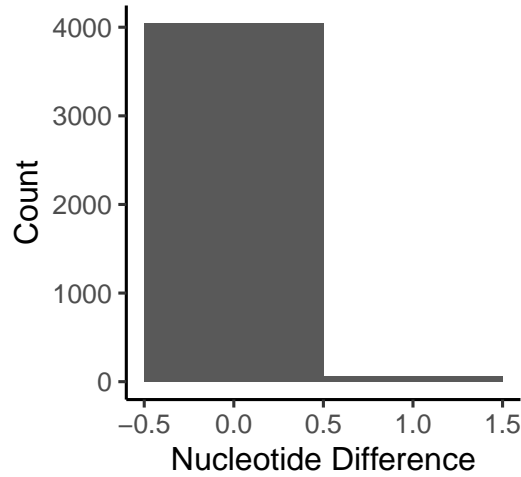
### TRBV3-12\*ap01

11428 sequences assigned  
11306 (98.9%) exact matches, in which:  
11035 unique CDR3  
13 unique J



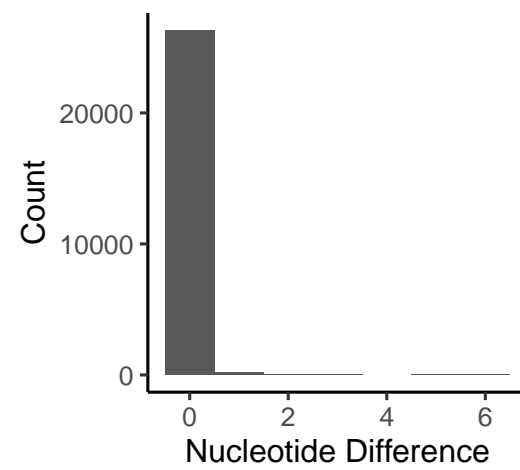
### TRBV4-2\*ap01

4106 sequences assigned  
4043 (98.5%) exact matches, in which:  
3966 unique CDR3  
13 unique J



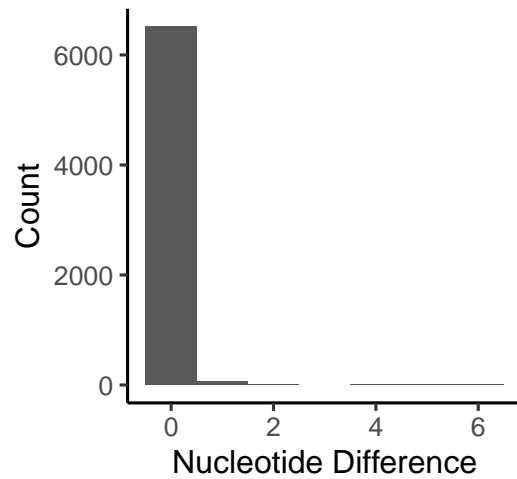
### TRBV5-1\*ap01

26560 sequences assigned  
26320 (99.1%) exact matches, in which:  
25726 unique CDR3  
13 unique J



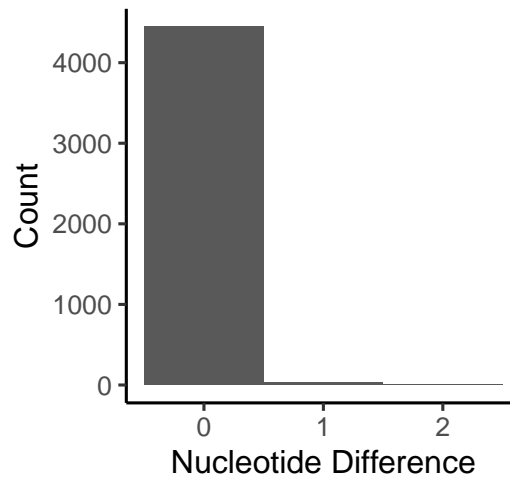
### TRBV24-1\*ap01

6585 sequences assigned  
6513 (98.9%) exact matches, in which:  
6412 unique CDR3  
13 unique J



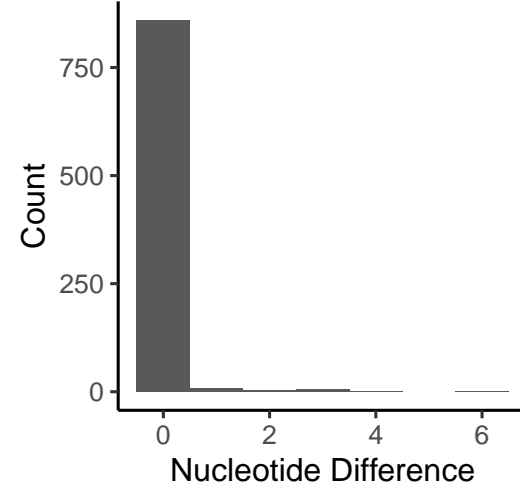
### TRBV4-3\*ap01

4483 sequences assigned  
4446 (99.2%) exact matches, in which:  
4350 unique CDR3  
13 unique J



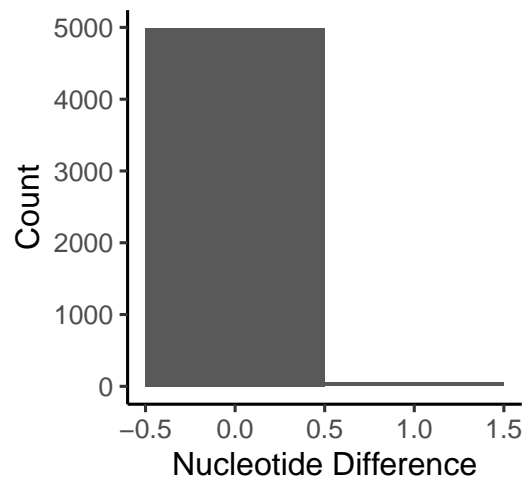
### TRBV5-3\*ap01

878 sequences assigned  
860 (97.9%) exact matches, in which:  
845 unique CDR3  
13 unique J



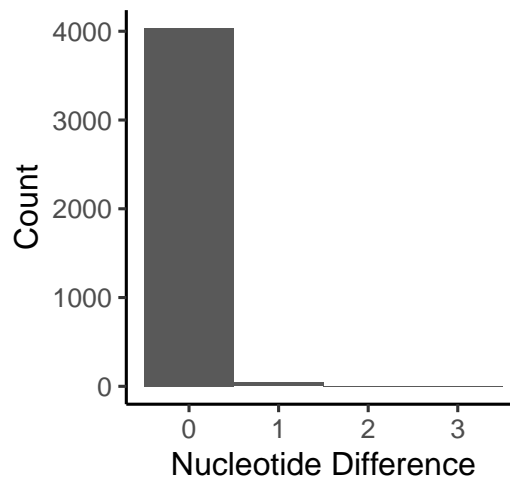
### TRBV4-1\*ap01

5044 sequences assigned  
4991 (98.9%) exact matches, in which:  
4897 unique CDR3  
13 unique J



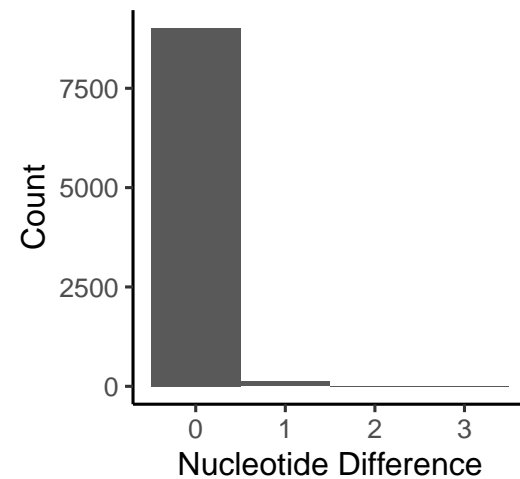
### TRBV25-1\*ap01

4090 sequences assigned  
4036 (98.7%) exact matches, in which:  
3949 unique CDR3  
13 unique J



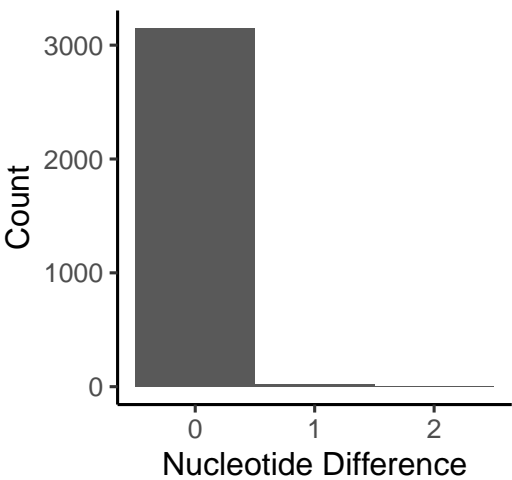
### TRBV5-4\*ap01

9138 sequences assigned  
9016 (98.7%) exact matches, in which:  
8799 unique CDR3  
13 unique J



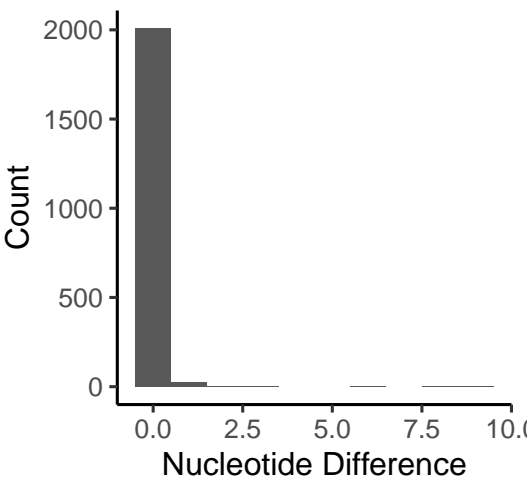
TRBV5-5\*ap01

3173 sequences assigned  
3147 (99.2%) exact matches, in which:  
3123 unique CDR3  
13 unique J



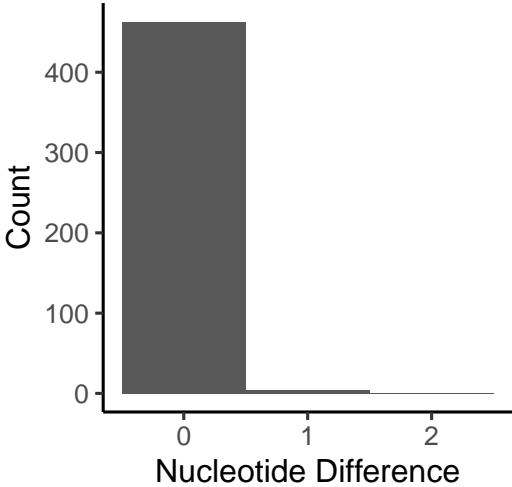
TRBV5-8\*ap01

2040 sequences assigned  
2008 (98.4%) exact matches, in which:  
1973 unique CDR3  
13 unique J



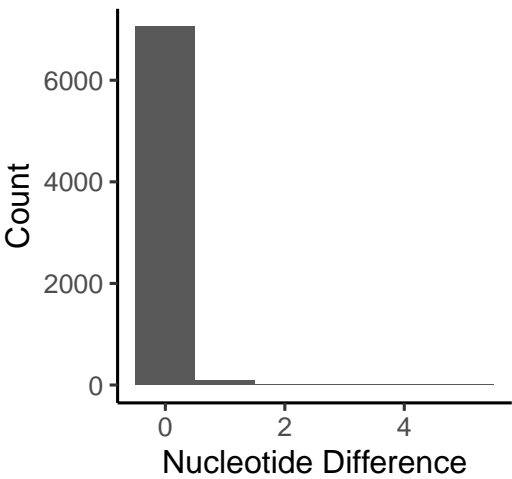
TRBV6-7\*ap01

468 sequences assigned  
463 (98.9%) exact matches, in which:  
449 unique CDR3  
13 unique J



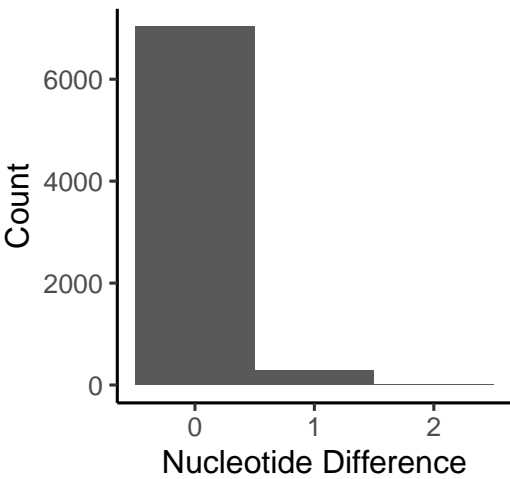
TRBV5-6\*ap01

7144 sequences assigned  
7054 (98.7%) exact matches, in which:  
6864 unique CDR3  
13 unique J



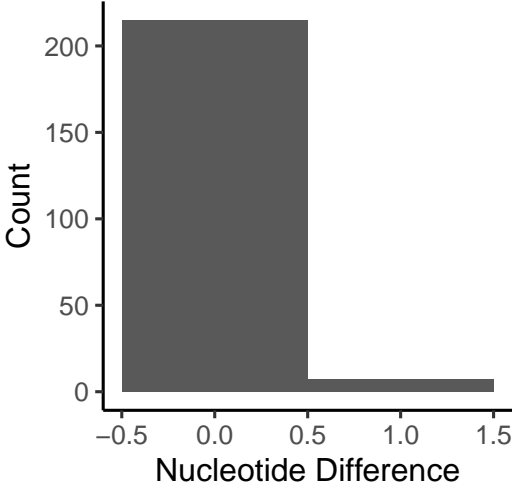
TRBV6-1\*ap01

7322 sequences assigned  
7030 (96%) exact matches, in which:  
6878 unique CDR3  
13 unique J



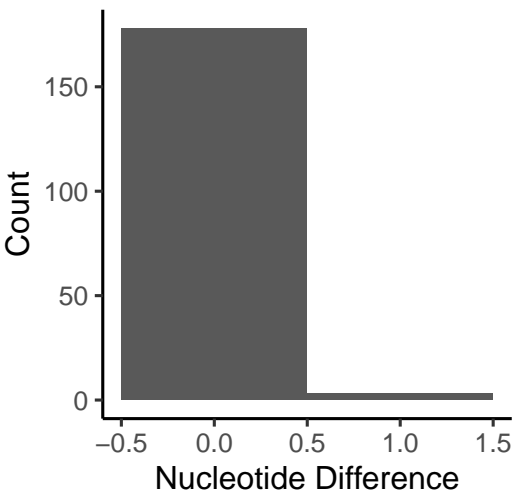
TRBV6-8\*ap01

222 sequences assigned  
215 (96.8%) exact matches, in which:  
210 unique CDR3  
13 unique J



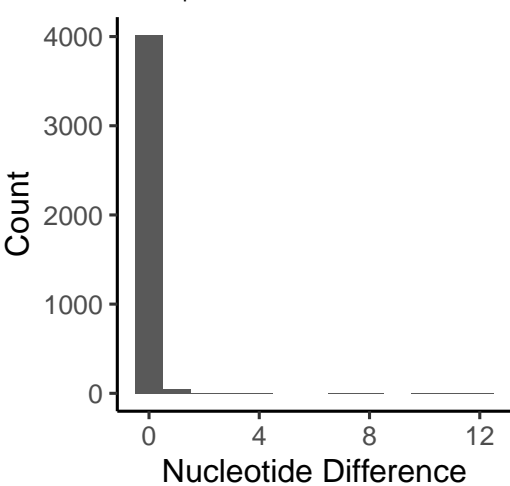
TRBV5-7\*ap01

181 sequences assigned  
178 (98.3%) exact matches, in which:  
172 unique CDR3  
13 unique J



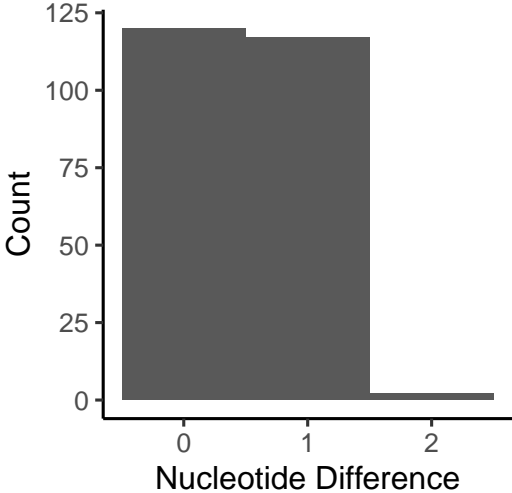
TRBV6-4\*ap01

4081 sequences assigned  
4017 (98.4%) exact matches, in which:  
3949 unique CDR3  
13 unique J



TRBV6-9\*ap01

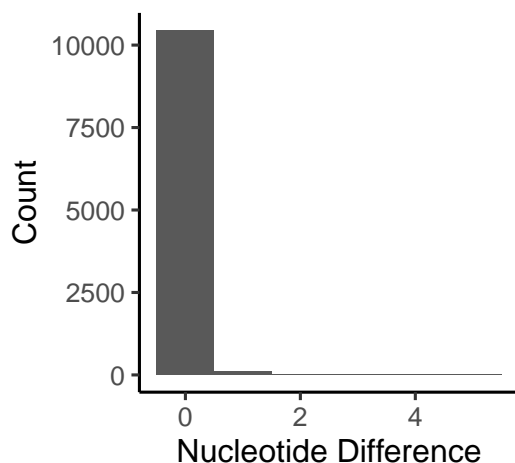
239 sequences assigned  
120 (50.2%) exact matches, in which:  
116 unique CDR3  
12 unique J





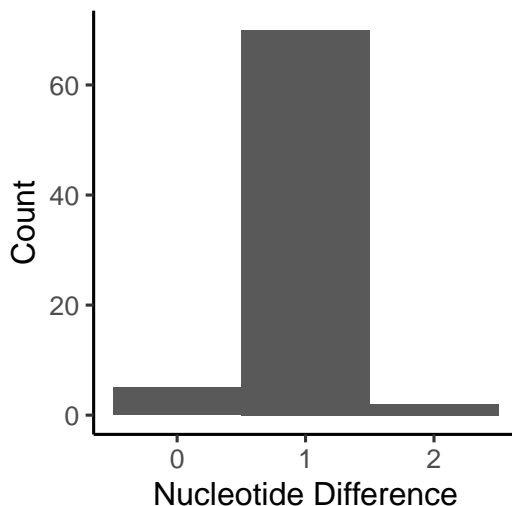
### TRBV6-23\*ap01

10561 sequences assigned  
10453 (99%) exact matches, in which:  
10183 unique CDR3  
13 unique J



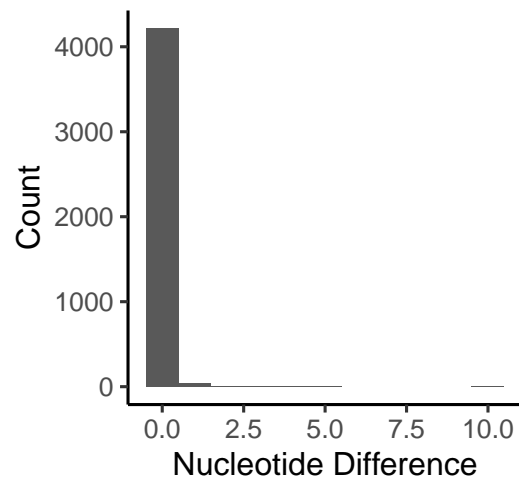
### TRBV7-1\*ap01\_T296C

77 sequences assigned  
5 (6.5%) exact matches, in which:  
5 unique CDR3  
5 unique J



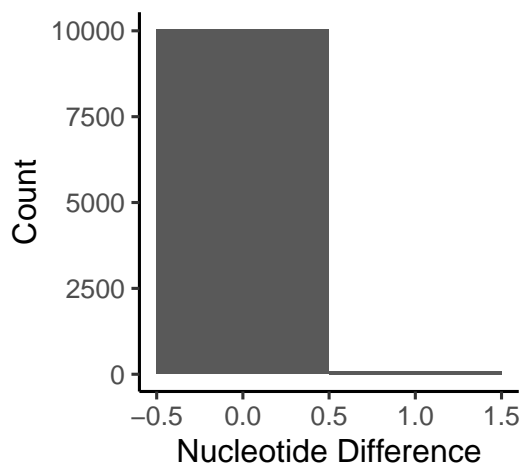
### TRBV7-3\*ap01

4266 sequences assigned  
4216 (98.8%) exact matches, in which:  
4141 unique CDR3  
13 unique J



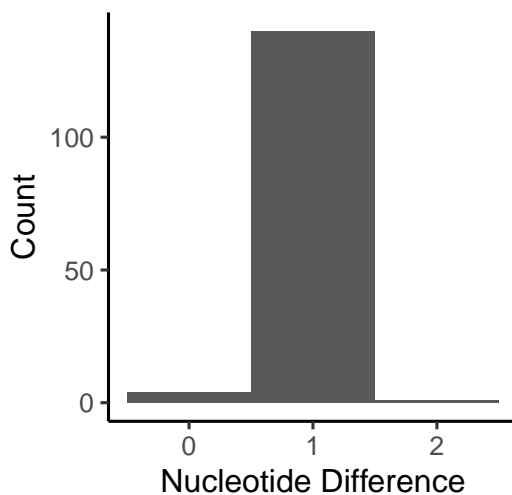
### TRBV6-56\*ap01

10140 sequences assigned  
10039 (99%) exact matches, in which:  
9813 unique CDR3  
13 unique J



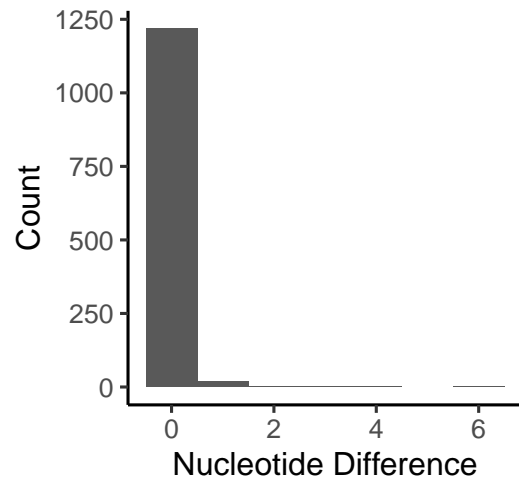
### TRBV7-1\*ap01\_T296C\_()

145 sequences assigned  
4 (2.8%) exact matches, in which:  
4 unique CDR3  
2 unique J



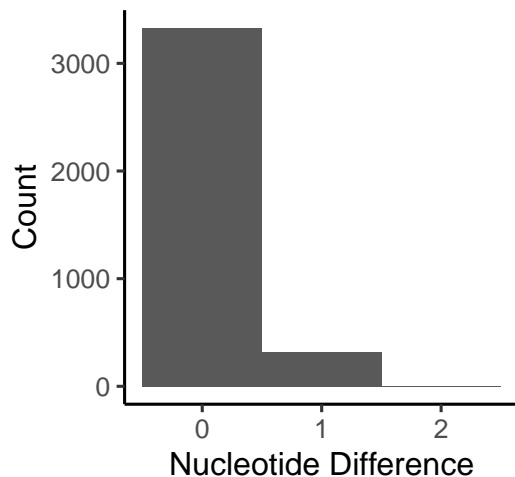
### TRBV7-3\*ap03

1241 sequences assigned  
1218 (98.1%) exact matches, in which:  
1199 unique CDR3  
13 unique J



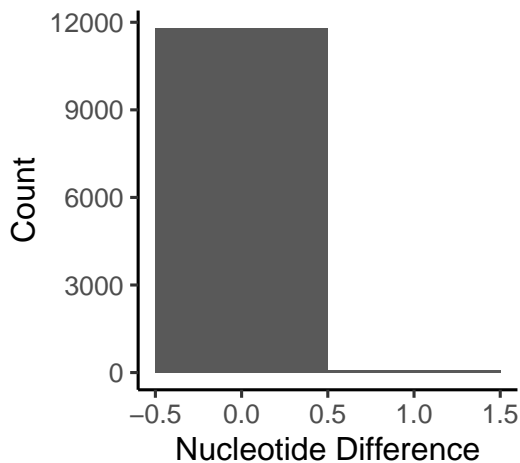
### TRBV6-56\*ap02

3649 sequences assigned  
3328 (91.2%) exact matches, in which:  
3223 unique CDR3  
13 unique J



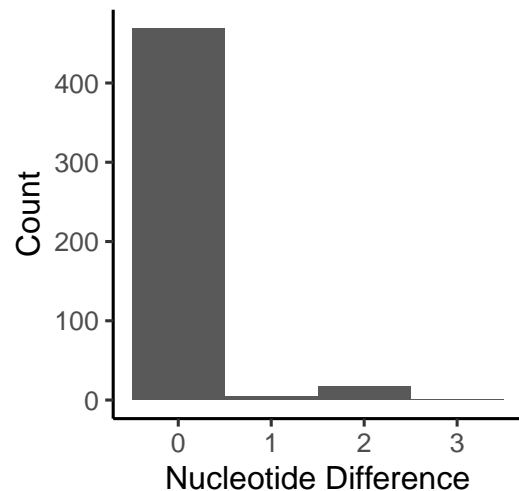
### TRBV7-2\*ap01

11902 sequences assigned  
11811 (99.2%) exact matches, in which:  
11554 unique CDR3  
13 unique J



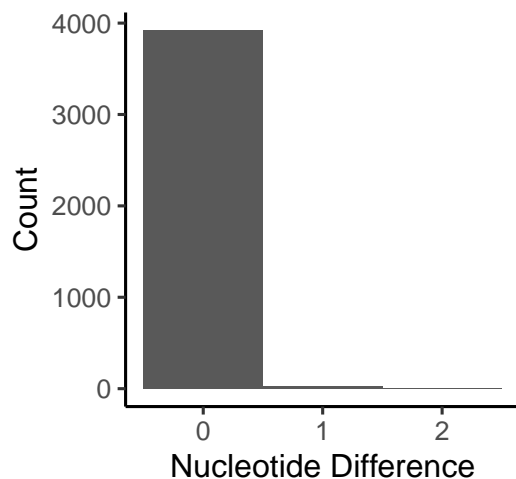
### TRBV7-4\*ap01

492 sequences assigned  
469 (95.3%) exact matches, in which:  
462 unique CDR3  
13 unique J



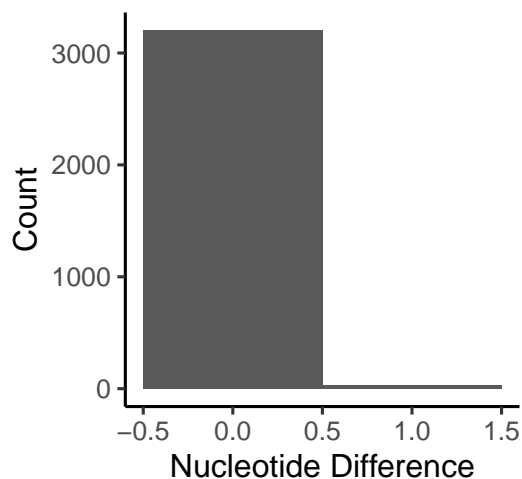
### TRBV7-6\*ap01

3944 sequences assigned  
3920 (99.4%) exact matches, in which:  
3821 unique CDR3  
13 unique J



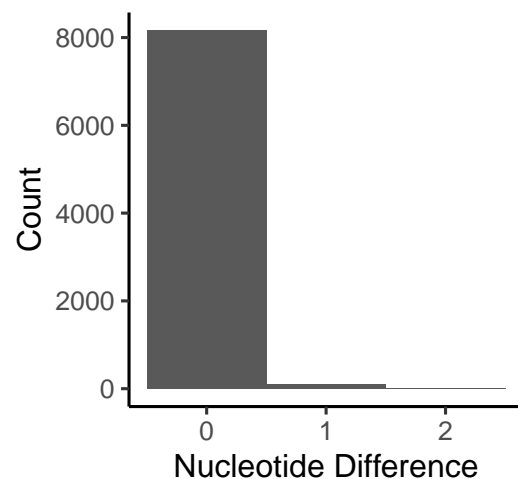
### TRBV7-8\*ap01

3230 sequences assigned  
3202 (99.1%) exact matches, in which:  
3132 unique CDR3  
13 unique J



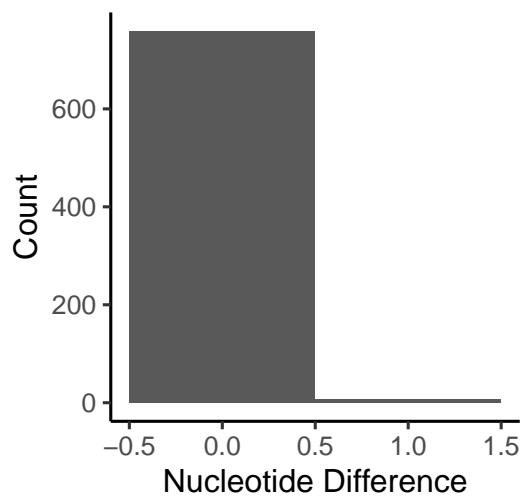
### TRBV29-1\*ap01

8262 sequences assigned  
8163 (98.8%) exact matches, in which:  
8021 unique CDR3  
13 unique J



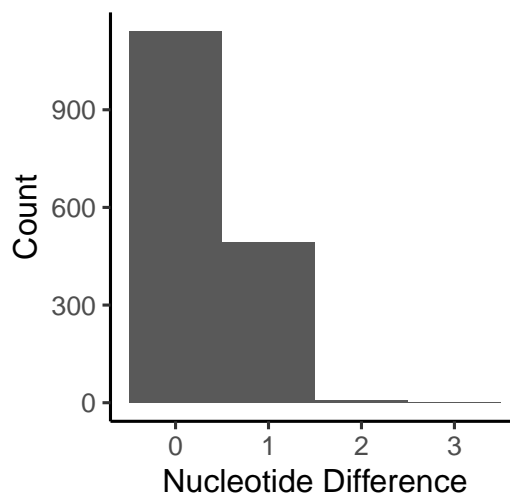
### TRBV7-7\*ap01

766 sequences assigned  
759 (99.1%) exact matches, in which:  
748 unique CDR3  
13 unique J



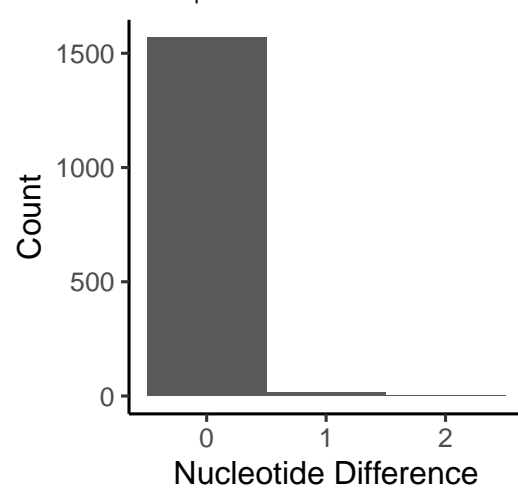
### TRBV7-8\*ap03

1644 sequences assigned  
1142 (69.5%) exact matches, in which:  
1121 unique CDR3  
13 unique J



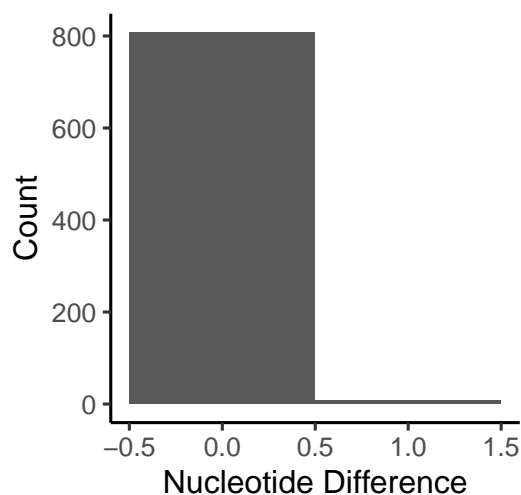
### TRBV29-1\*ap02

1583 sequences assigned  
1568 (99.1%) exact matches, in which:  
1533 unique CDR3  
13 unique J



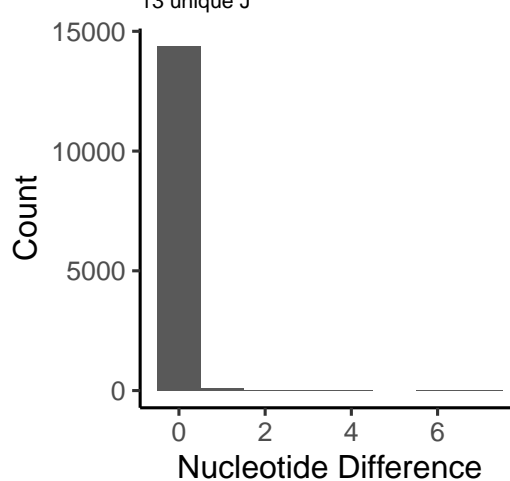
### TRBV7-7\*ap01\_C315T

816 sequences assigned  
808 (99%) exact matches, in which:  
786 unique CDR3  
13 unique J

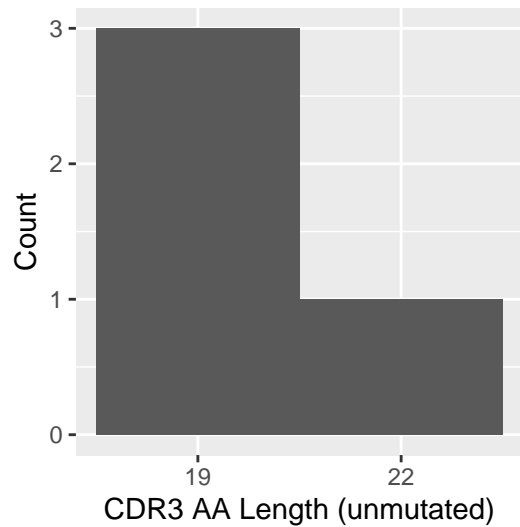


### TRBV7-9\*ap01

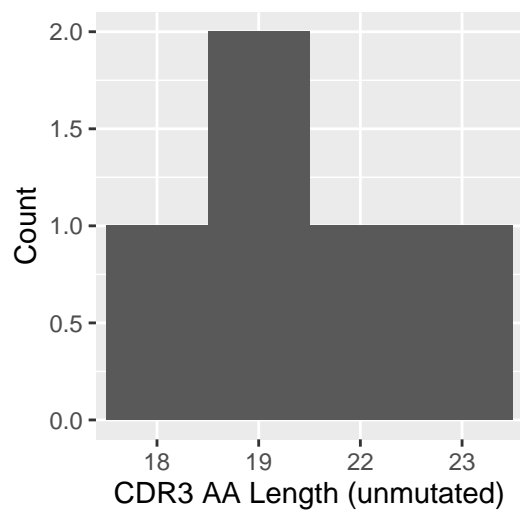
14506 sequences assigned  
14396 (99.2%) exact matches, in which:  
14145 unique CDR3  
13 unique J



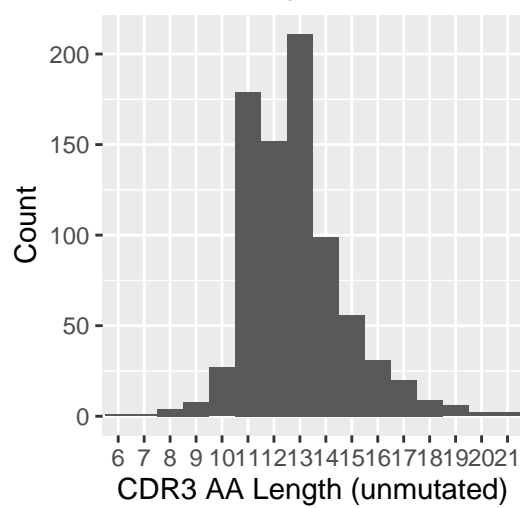
TRBV7-1\*ap01\_T296C\_C314T



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.