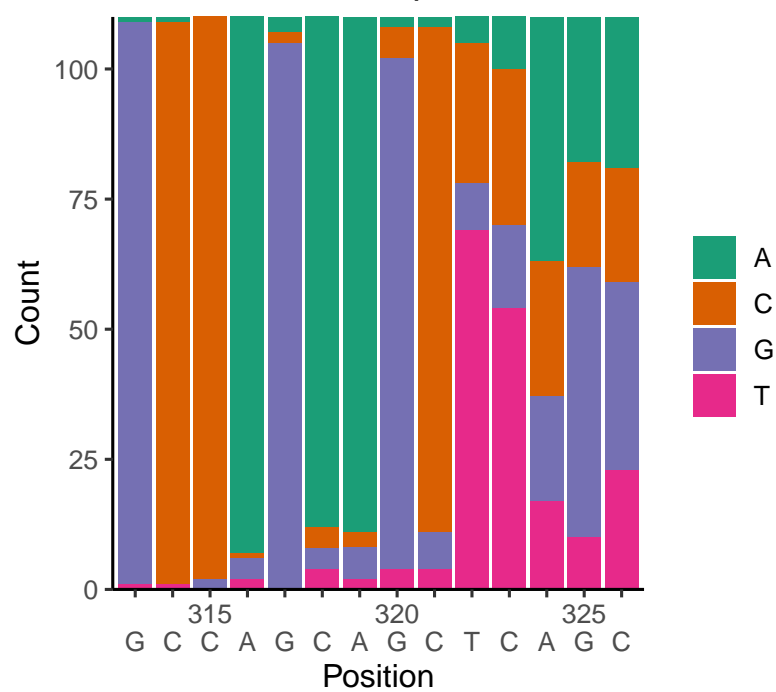
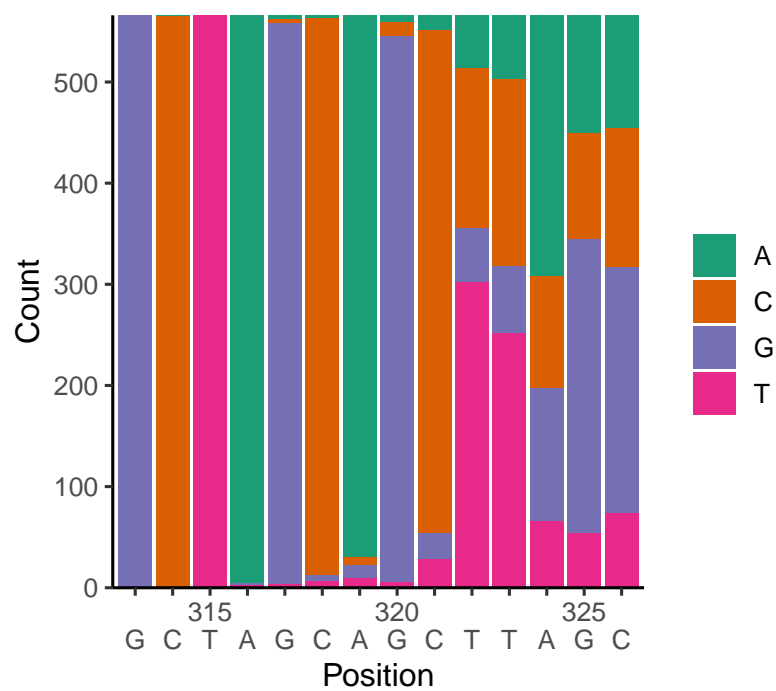


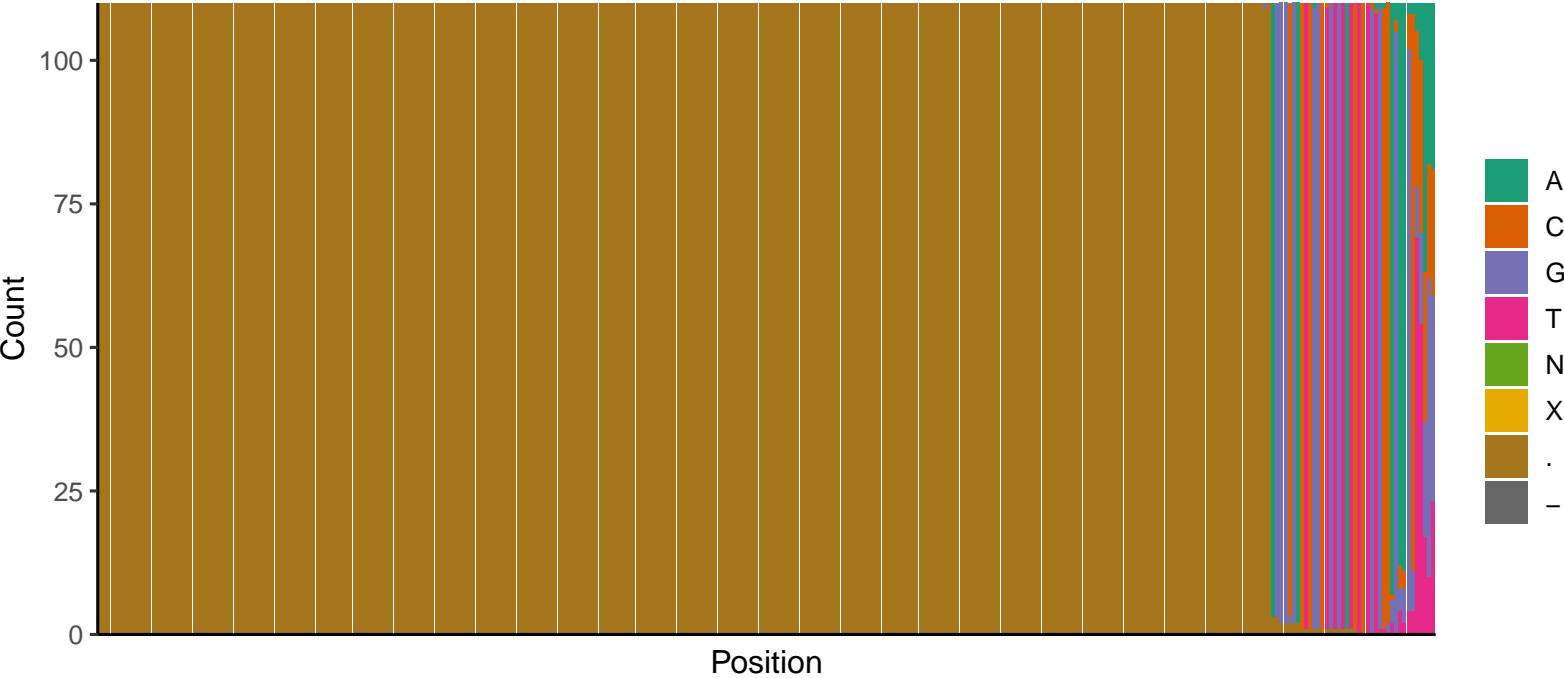
Gene TRBV7-1\*ap01\_G291C\_T296C



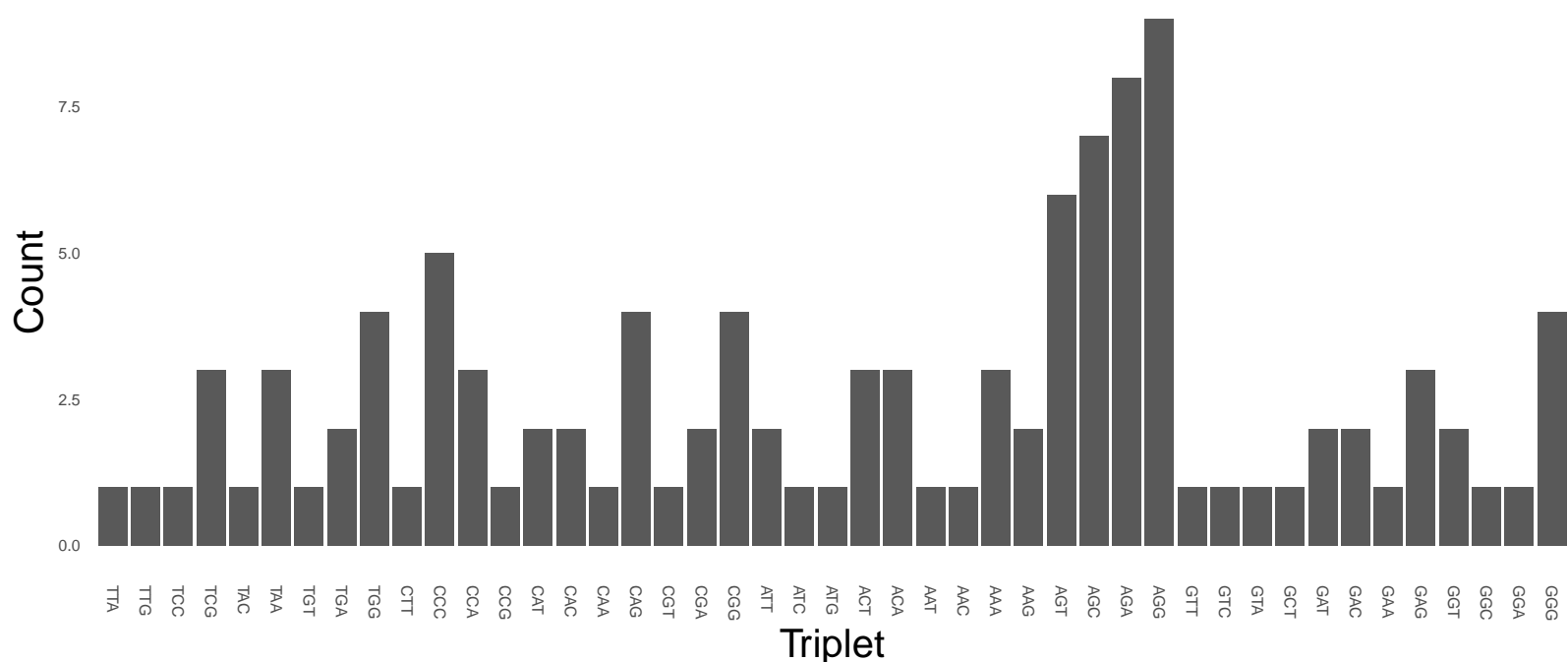
Gene TRBV7-7\*ap01\_C315T



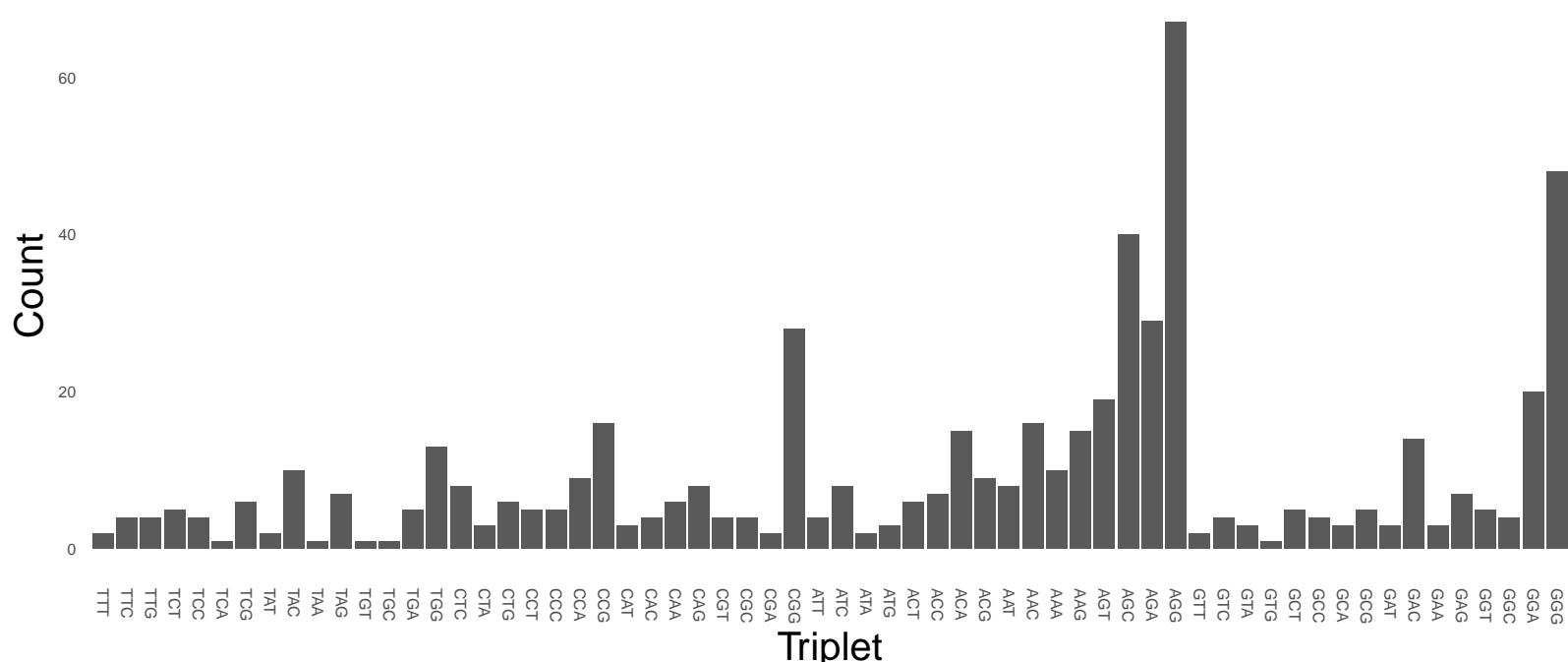
Gene TRBV7-1\*ap01\_G291C\_T296C



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

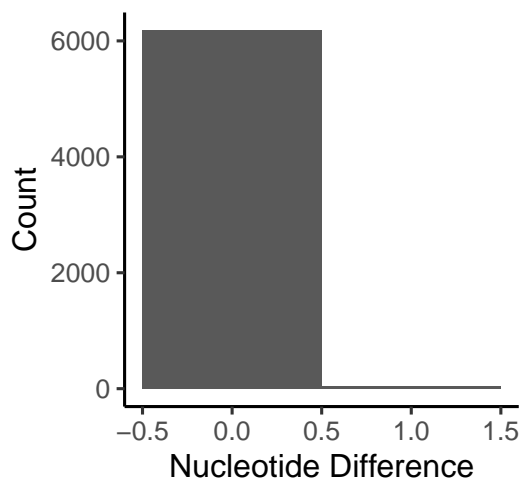


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



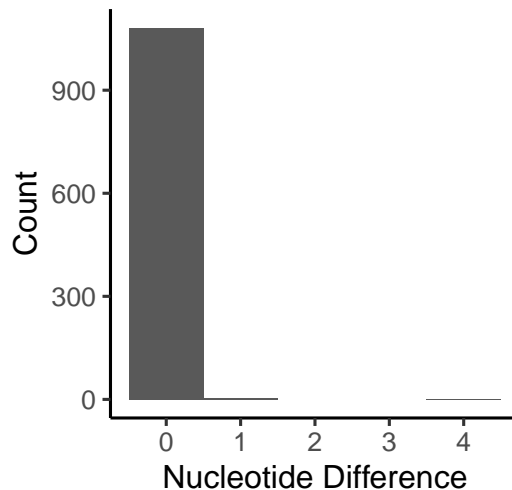
### TRBV20-1\*ap01

6220 sequences assigned  
6181 (99.4%) exact matches, in which:  
6151 unique CDR3  
13 unique J



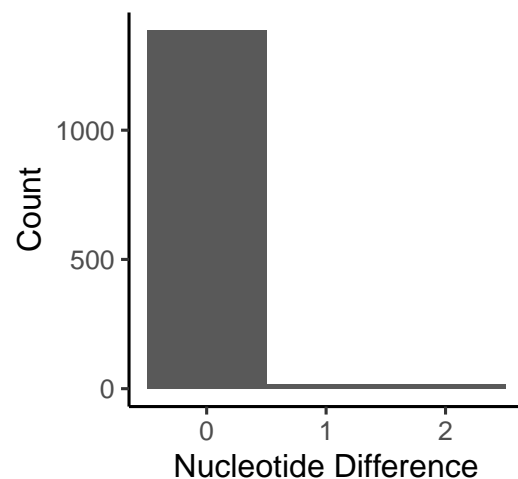
### TRBV10-2\*ap01

1087 sequences assigned  
1082 (99.5%) exact matches, in which:  
1080 unique CDR3  
13 unique J



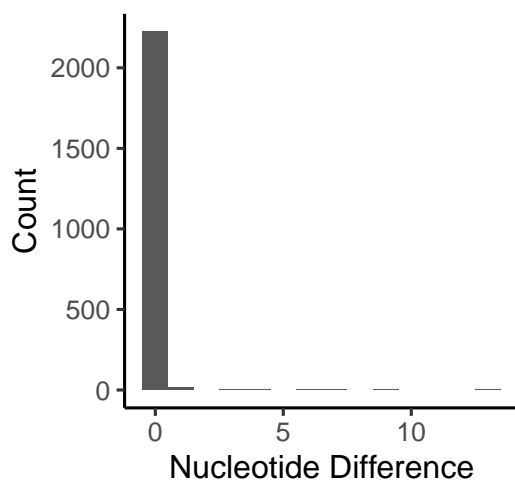
### TRBV13\*ap01

1420 sequences assigned  
1386 (97.6%) exact matches, in which:  
1372 unique CDR3  
13 unique J



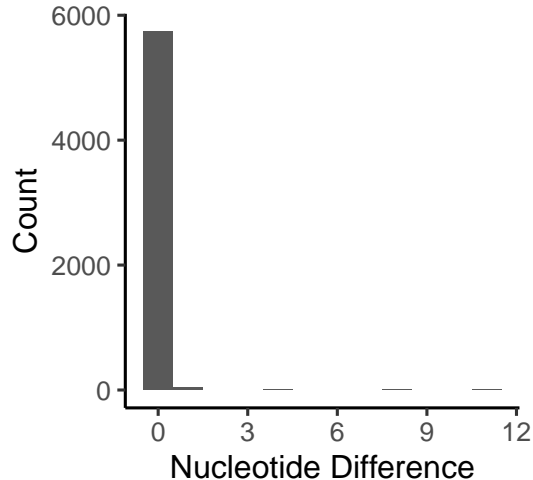
### TRBV10-1\*ap01

2248 sequences assigned  
2224 (98.9%) exact matches, in which:  
2213 unique CDR3  
13 unique J



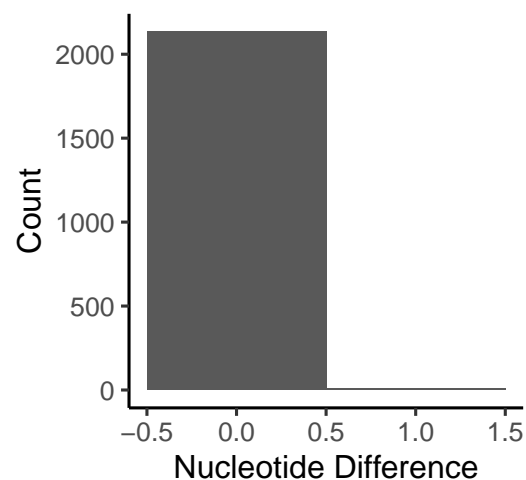
### TRBV10-3\*ap01

5775 sequences assigned  
5736 (99.3%) exact matches, in which:  
5706 unique CDR3  
13 unique J



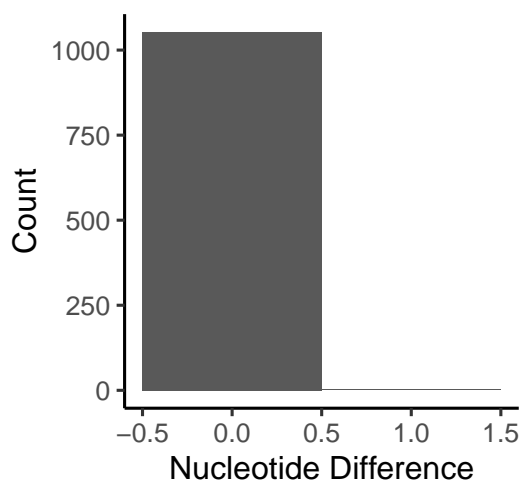
### TRBV14\*ap01

2141 sequences assigned  
2134 (99.7%) exact matches, in which:  
2125 unique CDR3  
13 unique J



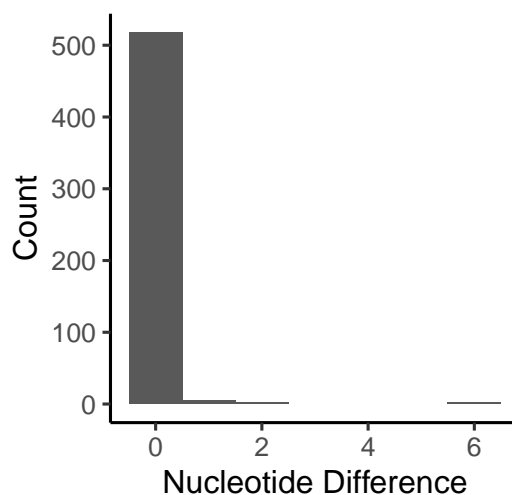
### TRBV20-1\*ap02

1055 sequences assigned  
1053 (99.8%) exact matches, in which:  
1046 unique CDR3  
13 unique J



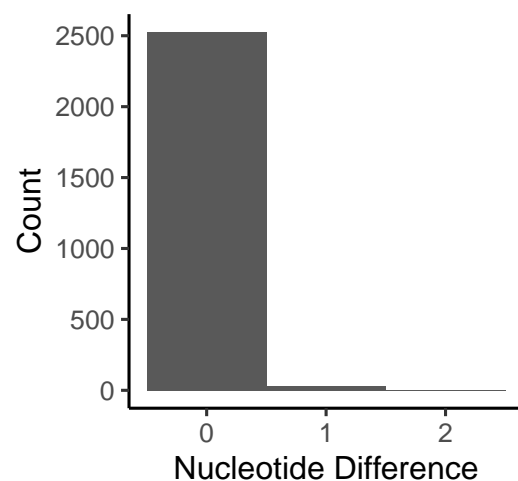
### TRBV1\*ap01

527 sequences assigned  
518 (98.3%) exact matches, in which:  
512 unique CDR3  
13 unique J



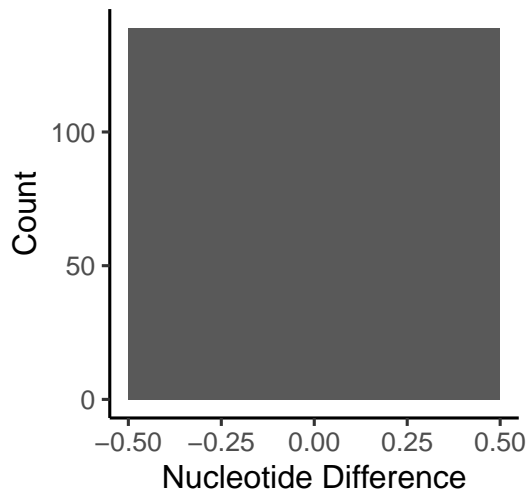
### TRBV15\*ap02

2560 sequences assigned  
2526 (98.7%) exact matches, in which:  
2504 unique CDR3  
13 unique J



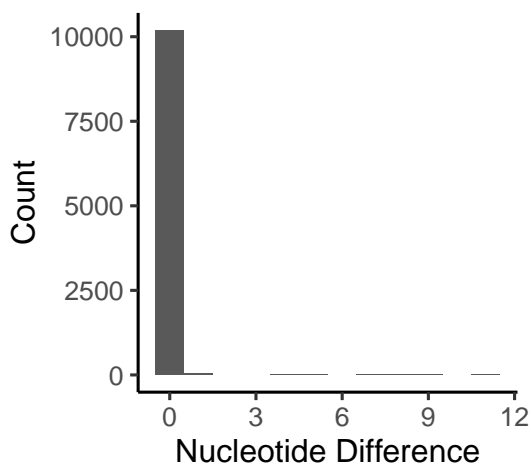
### TRBV16\*ap01

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



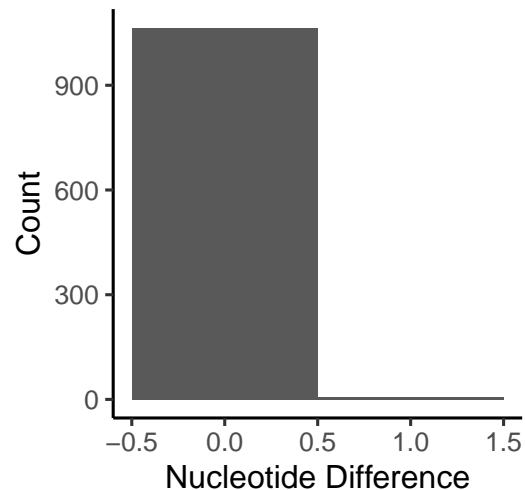
### TRBV19\*ap01

10253 sequences assigned  
10194 (99.4%) exact matches, in which:  
10163 unique CDR3  
13 unique J



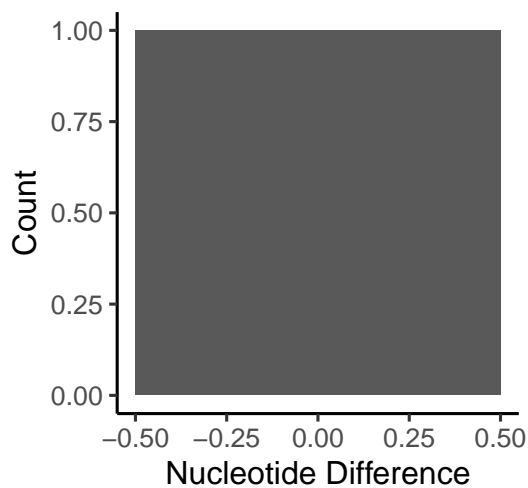
### TRBV28\*ap01

1071 sequences assigned  
1065 (99.4%) exact matches, in which:  
1054 unique CDR3  
13 unique J



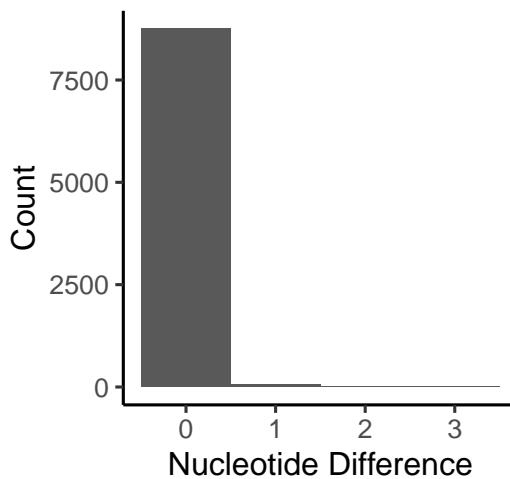
### TRBV17\*ap01

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



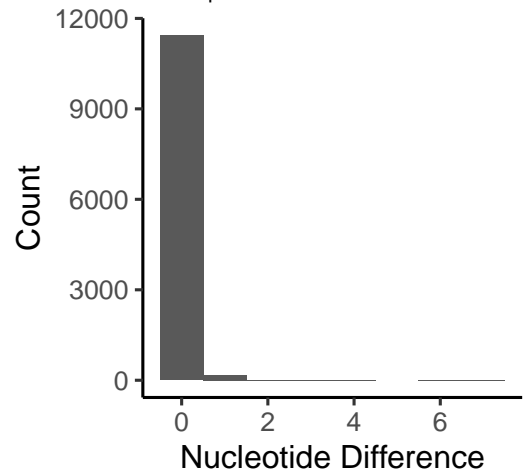
### TRBV2\*ap01

8811 sequences assigned  
8753 (99.3%) exact matches, in which:  
8704 unique CDR3  
13 unique J



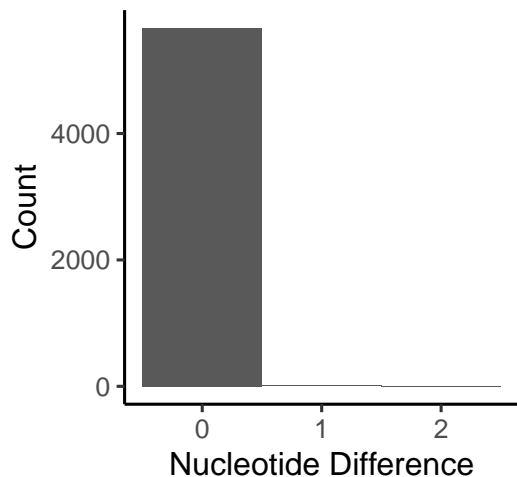
### TRBV30\*ap01

11621 sequences assigned  
11434 (98.4%) exact matches, in which:  
11269 unique CDR3  
13 unique J



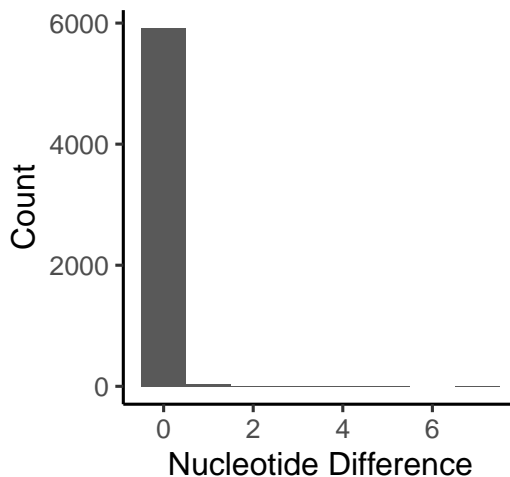
### TRBV18\*ap01

5684 sequences assigned  
5669 (99.7%) exact matches, in which:  
5650 unique CDR3  
13 unique J



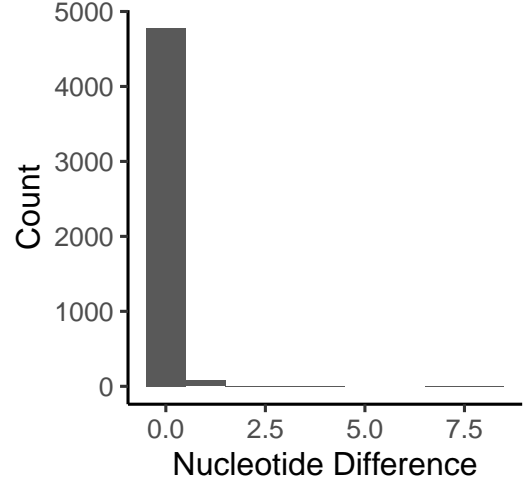
### TRBV27\*ap01

5966 sequences assigned  
5918 (99.2%) exact matches, in which:  
5892 unique CDR3  
13 unique J



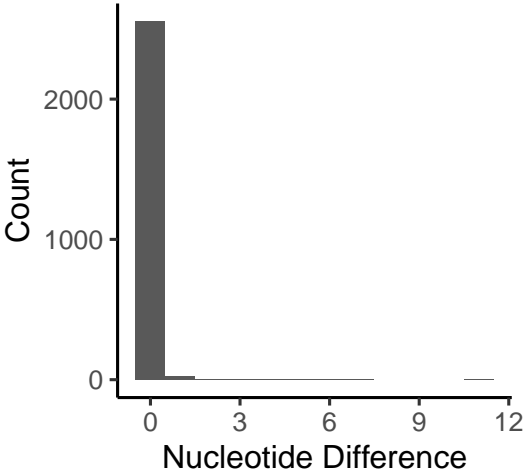
### TRBV9\*ap01

4869 sequences assigned  
4779 (98.2%) exact matches, in which:  
4753 unique CDR3  
13 unique J



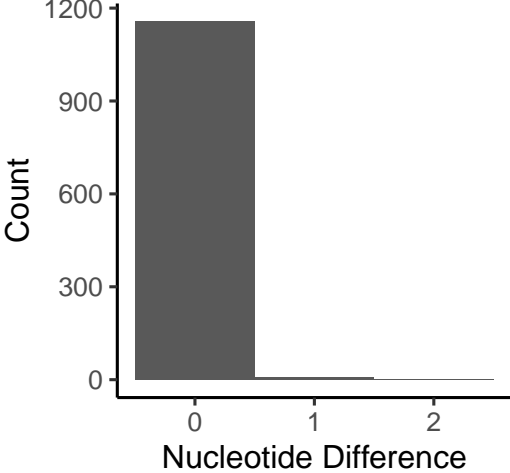
TRBV21-1\*ap01

2592 sequences assigned  
2554 (98.5%) exact matches, in which:  
2547 unique CDR3  
13 unique J



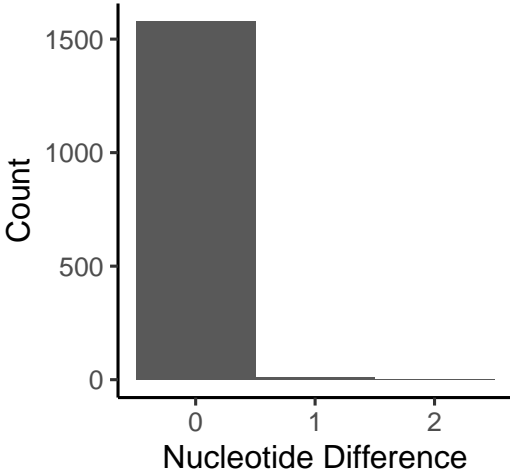
TRBV11-3\*ap01

1166 sequences assigned  
1157 (99.2%) exact matches, in which:  
1154 unique CDR3  
13 unique J



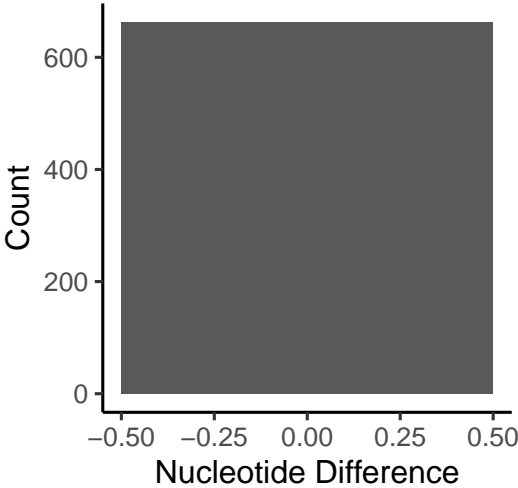
TRBV12-5\*ap01

1589 sequences assigned  
1578 (99.3%) exact matches, in which:  
1567 unique CDR3  
13 unique J



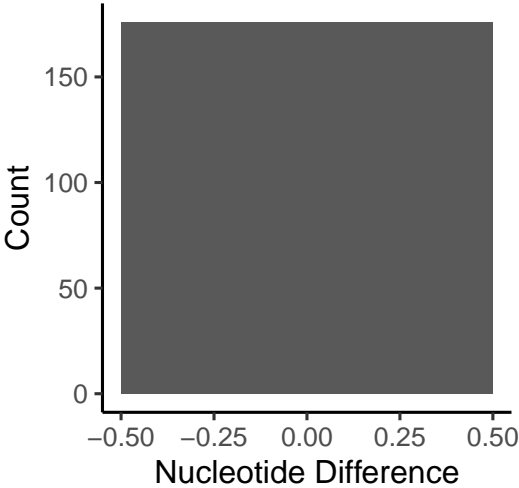
TRBV11-1\*ap01

663 sequences assigned  
663 (100%) exact matches, in which:  
659 unique CDR3  
13 unique J



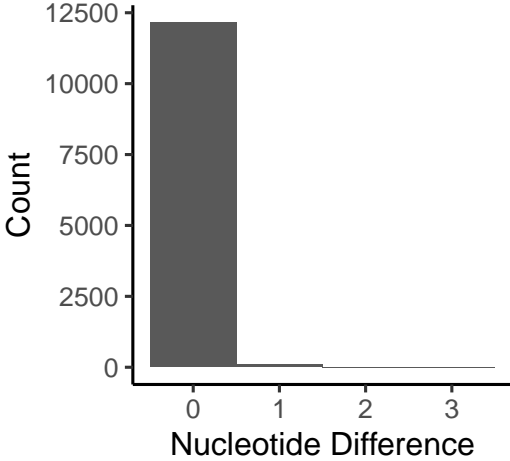
TRBV12-1\*ap01

176 sequences assigned  
176 (100%) exact matches, in which:  
175 unique CDR3  
12 unique J



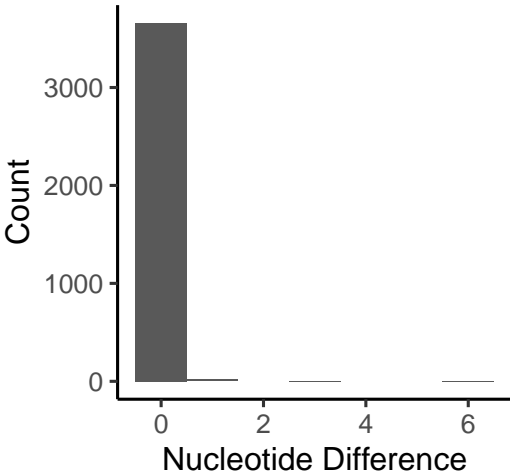
TRBV12-34\*ap01

12254 sequences assigned  
12157 (99.2%) exact matches, in which:  
12079 unique CDR3  
13 unique J



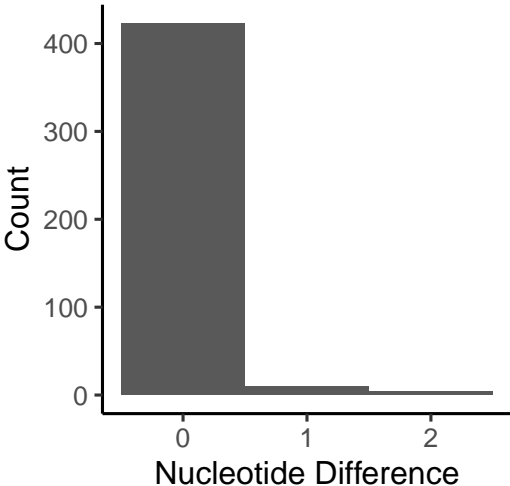
TRBV11-2\*ap01

3678 sequences assigned  
3658 (99.5%) exact matches, in which:  
3643 unique CDR3  
13 unique J



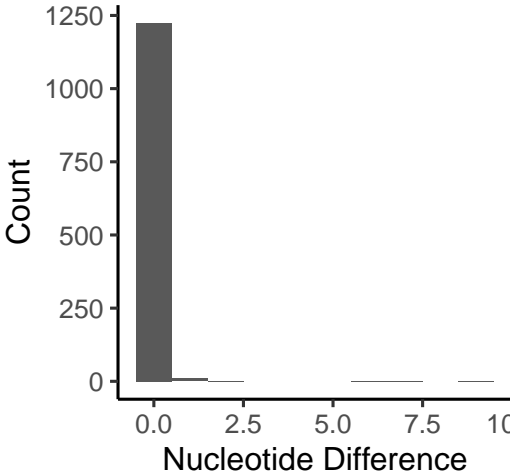
TRBV12-2\*ap01

437 sequences assigned  
423 (96.8%) exact matches, in which:  
421 unique CDR3  
13 unique J



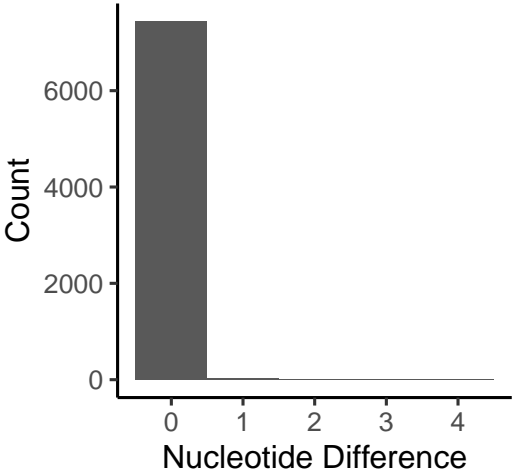
TRBV23-1\*ap01

1238 sequences assigned  
1224 (98.9%) exact matches, in which:  
1219 unique CDR3  
13 unique J



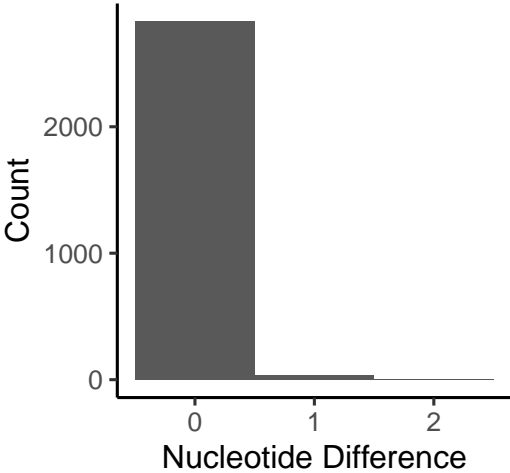
TRBV3-12\*ap01

7471 sequences assigned  
7438 (99.6%) exact matches, in which:  
7419 unique CDR3  
13 unique J



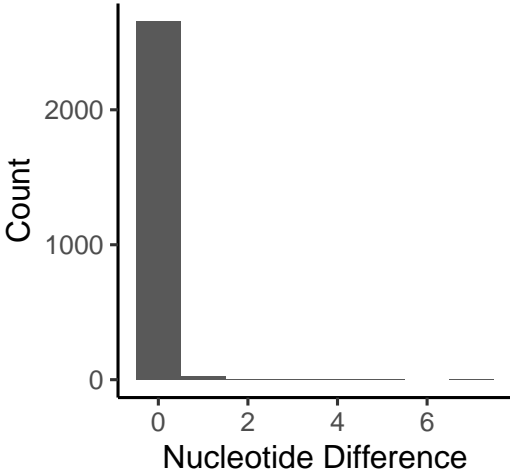
TRBV4-2\*ap01

2869 sequences assigned  
2833 (98.7%) exact matches, in which:  
2816 unique CDR3  
13 unique J



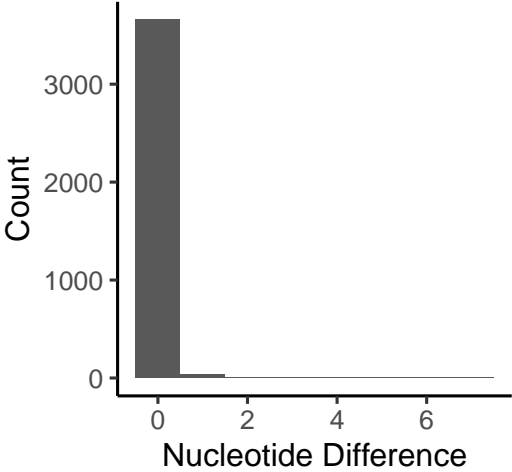
TRBV25-1\*ap01

2689 sequences assigned  
2655 (98.7%) exact matches, in which:  
2620 unique CDR3  
13 unique J



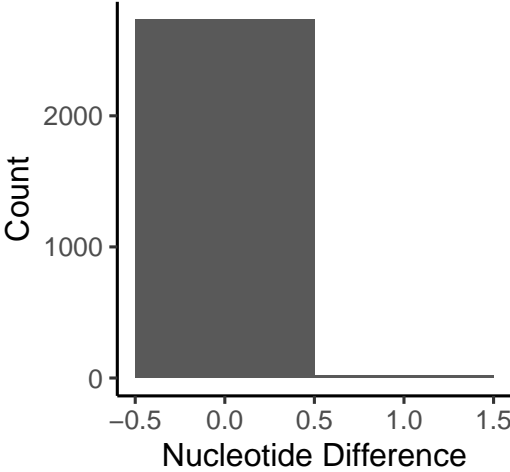
TRBV24-1\*ap01

3709 sequences assigned  
3658 (98.6%) exact matches, in which:  
3623 unique CDR3  
13 unique J



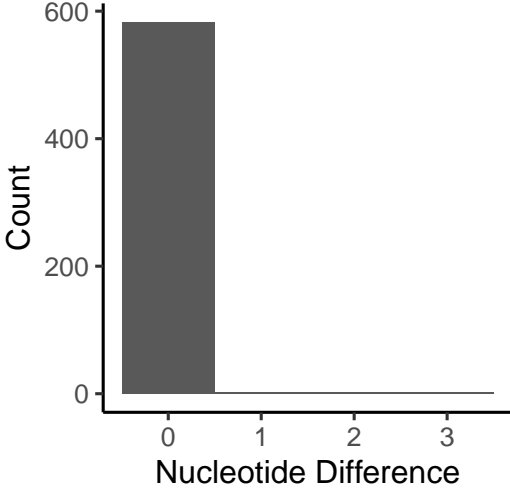
TRBV4-3\*ap01

2750 sequences assigned  
2733 (99.4%) exact matches, in which:  
2712 unique CDR3  
13 unique J



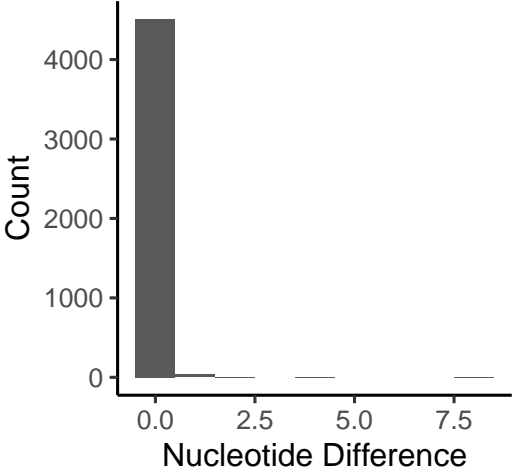
TRBV5-3\*ap01

591 sequences assigned  
583 (98.6%) exact matches, in which:  
574 unique CDR3  
13 unique J



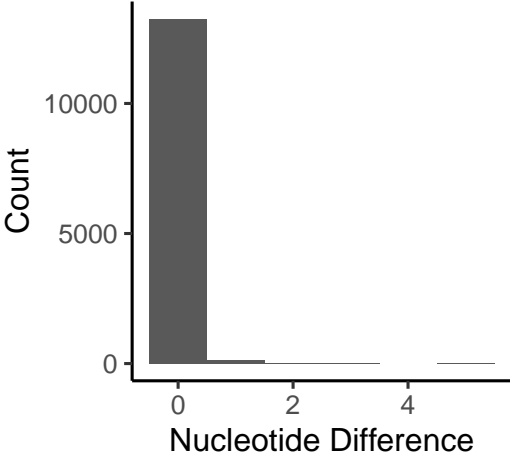
TRBV4-1\*ap01

4548 sequences assigned  
4510 (99.2%) exact matches, in which:  
4465 unique CDR3  
13 unique J



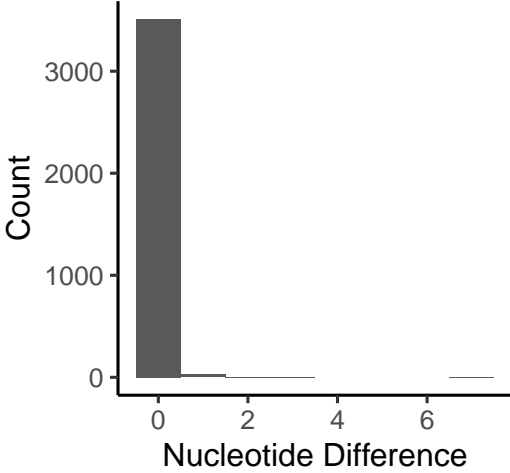
TRBV5-1\*ap01

13397 sequences assigned  
13256 (98.9%) exact matches, in which:  
13178 unique CDR3  
13 unique J



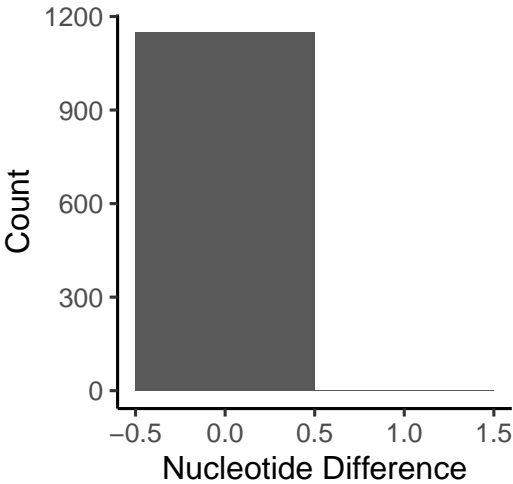
TRBV5-4\*ap01

3542 sequences assigned  
3511 (99.1%) exact matches, in which:  
3487 unique CDR3  
13 unique J



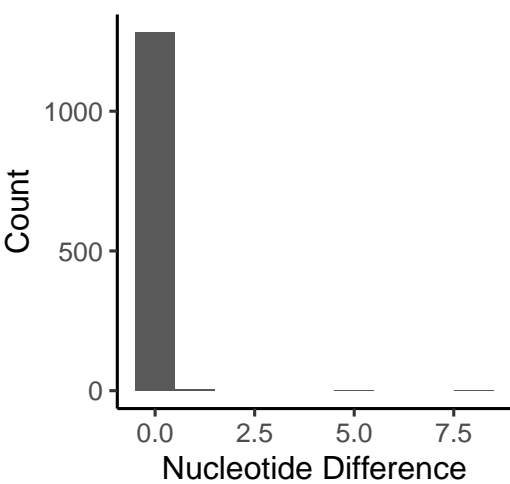
TRBV5-5\*ap01

1152 sequences assigned  
1149 (99.7%) exact matches, in which:  
1144 unique CDR3  
13 unique J



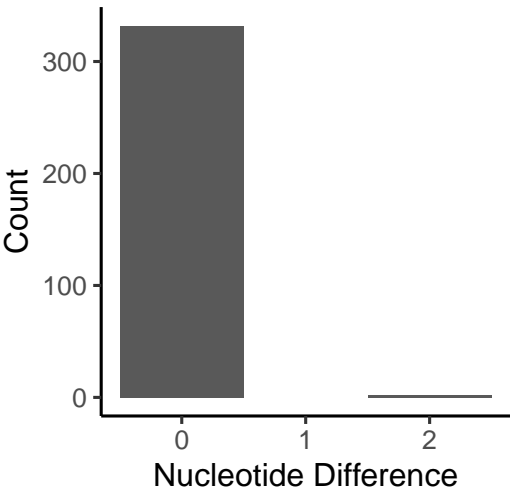
TRBV5-8\*ap01

1290 sequences assigned  
1282 (99.4%) exact matches, in which:  
1275 unique CDR3  
13 unique J



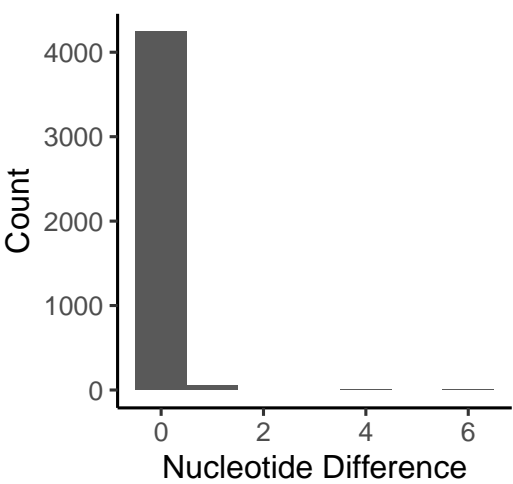
TRBV6-7\*ap01

334 sequences assigned  
332 (99.4%) exact matches, in which:  
330 unique CDR3  
13 unique J



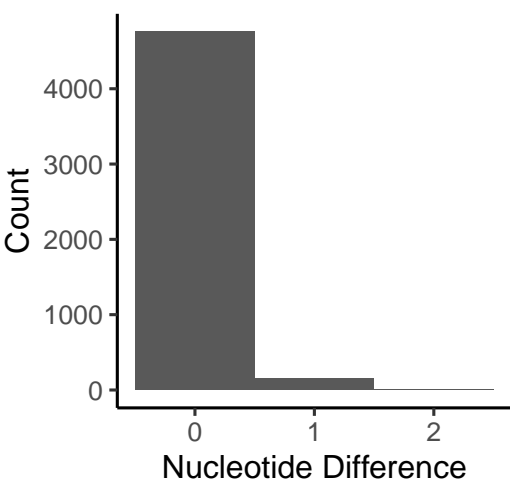
TRBV5-6\*ap01

4298 sequences assigned  
4243 (98.7%) exact matches, in which:  
4210 unique CDR3  
13 unique J



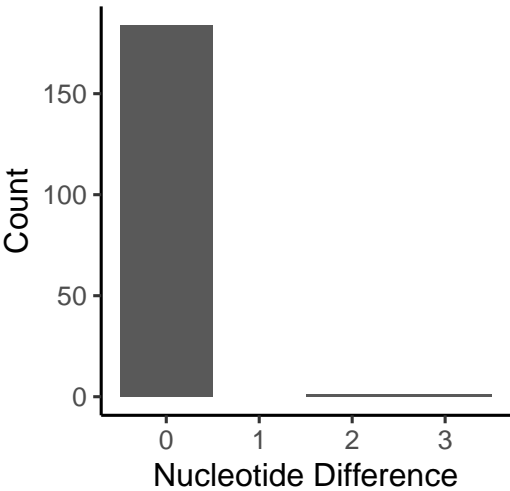
TRBV6-1\*ap01

4912 sequences assigned  
4757 (96.8%) exact matches, in which:  
4716 unique CDR3  
13 unique J



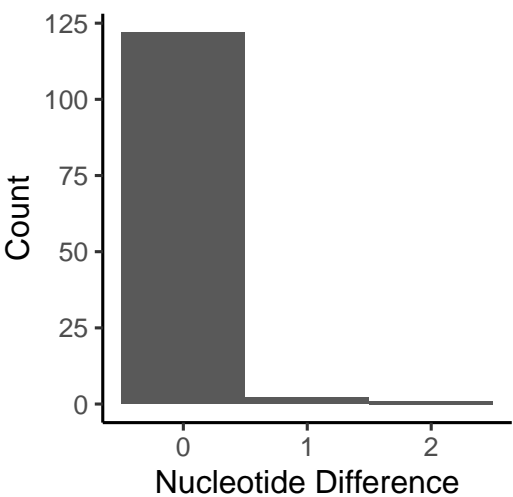
TRBV6-8\*ap01

186 sequences assigned  
184 (98.9%) exact matches, in which:  
181 unique CDR3  
13 unique J



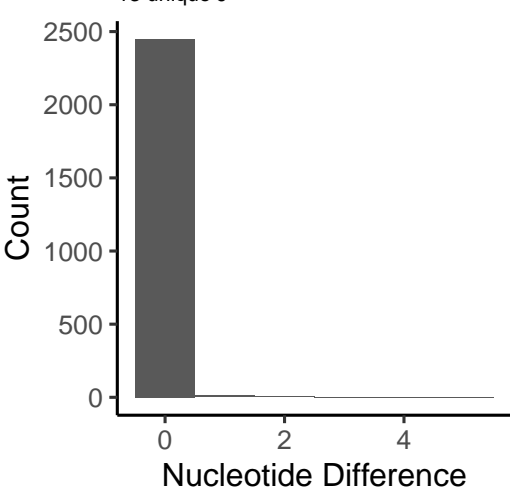
TRBV5-7\*ap01

125 sequences assigned  
122 (97.6%) exact matches, in which:  
119 unique CDR3  
13 unique J



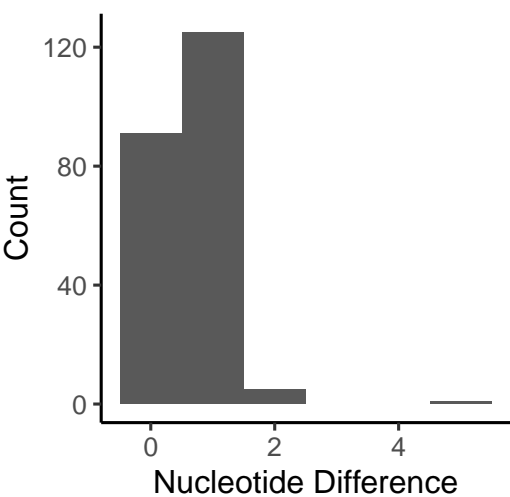
TRBV6-4\*ap01

2472 sequences assigned  
2449 (99.1%) exact matches, in which:  
2444 unique CDR3  
13 unique J



TRBV6-9\*ap01

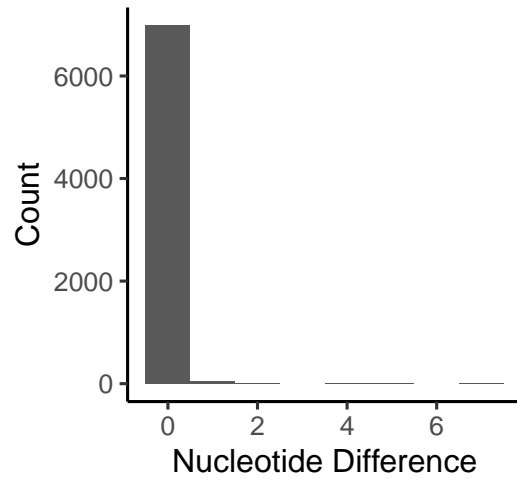
222 sequences assigned  
91 (41%) exact matches, in which:  
91 unique CDR3  
13 unique J





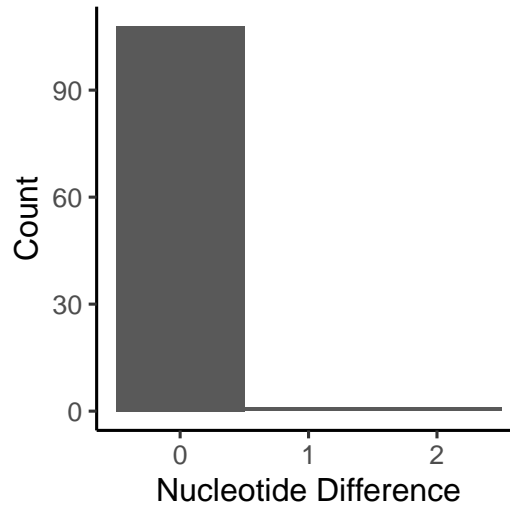
### TRBV6-23\*ap01

7036 sequences assigned  
6986 (99.3%) exact matches, in which:  
6904 unique CDR3  
13 unique J



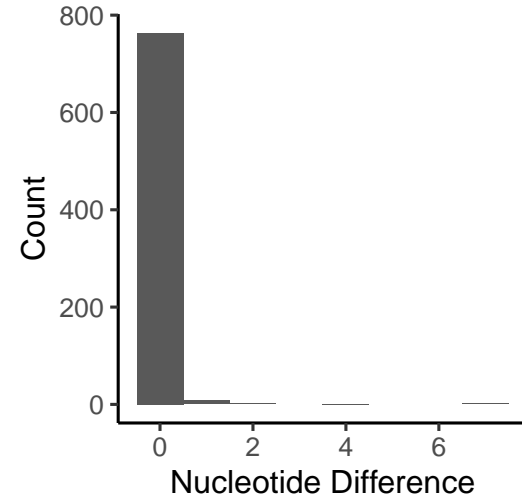
### TRBV7-1\*ap01\_G291C\_T

110 sequences assigned  
108 (98.2%) exact matches, in which:  
107 unique CDR3  
12 unique J



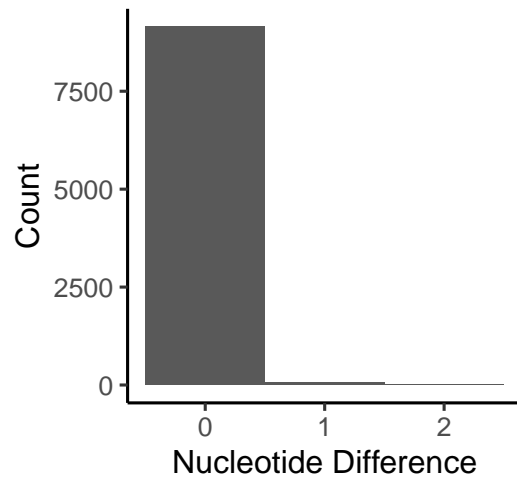
### TRBV7-3\*ap03

777 sequences assigned  
764 (98.3%) exact matches, in which:  
762 unique CDR3  
13 unique J



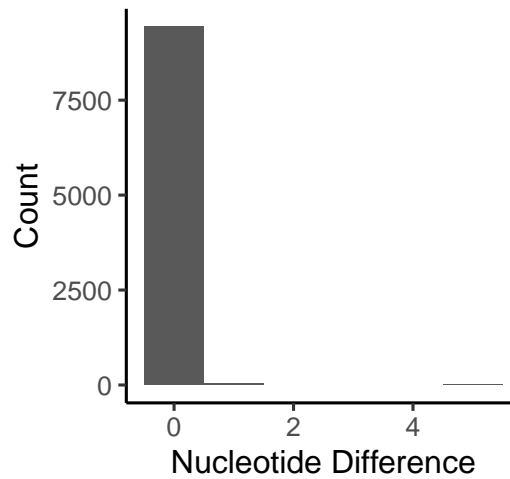
### TRBV6-56\*ap01

9204 sequences assigned  
9147 (99.4%) exact matches, in which:  
9063 unique CDR3  
13 unique J



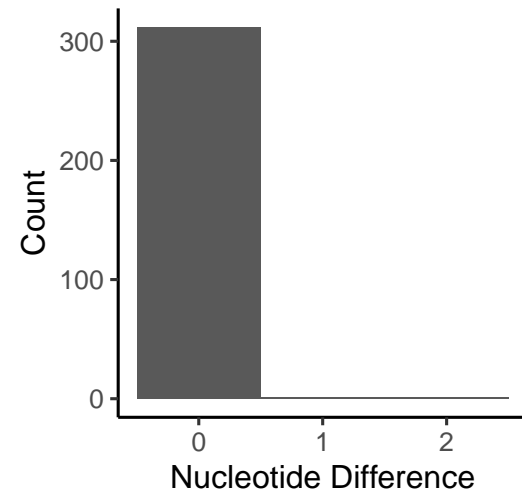
### TRBV7-2\*ap01

9479 sequences assigned  
9434 (99.5%) exact matches, in which:  
9388 unique CDR3  
13 unique J



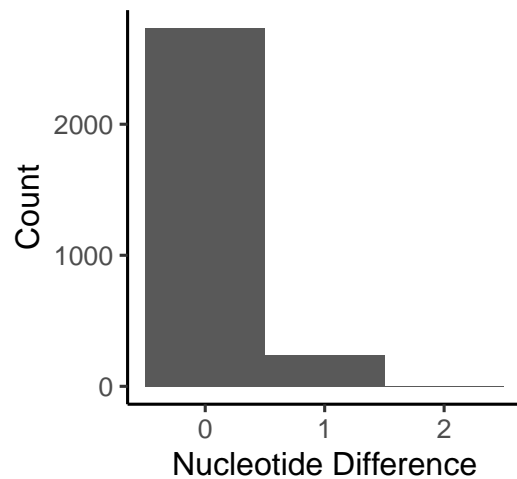
### TRBV7-4\*ap01

314 sequences assigned  
312 (99.4%) exact matches, in which:  
311 unique CDR3  
13 unique J



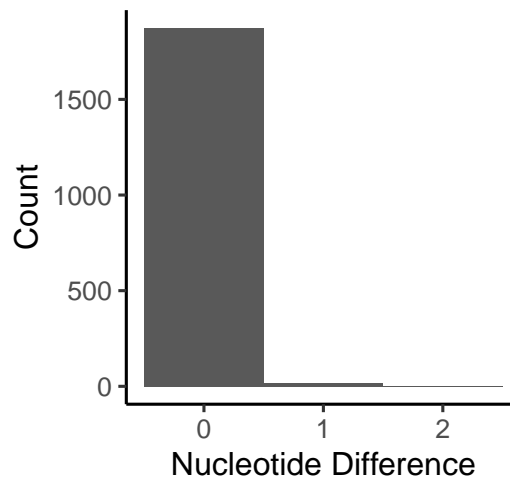
### TRBV6-56\*ap02

2974 sequences assigned  
2734 (91.9%) exact matches, in which:  
2713 unique CDR3  
13 unique J



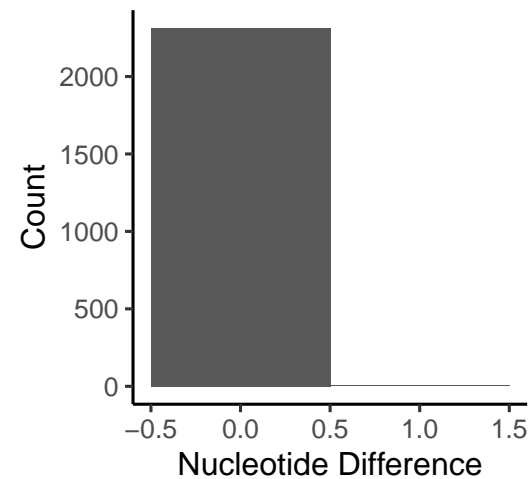
### TRBV7-3\*ap01

1890 sequences assigned  
1873 (99.1%) exact matches, in which:  
1865 unique CDR3  
13 unique J



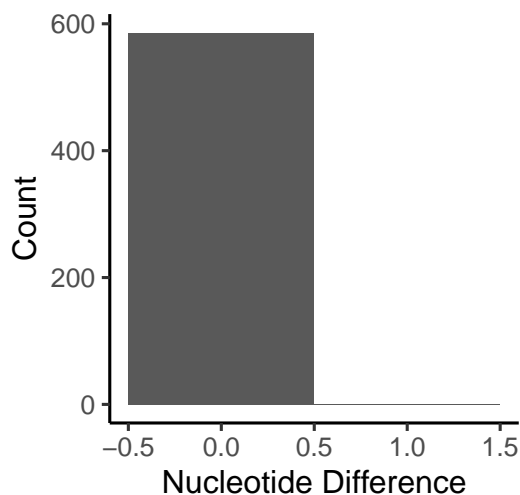
### TRBV7-6\*ap01

2318 sequences assigned  
2313 (99.8%) exact matches, in which:  
2295 unique CDR3  
13 unique J



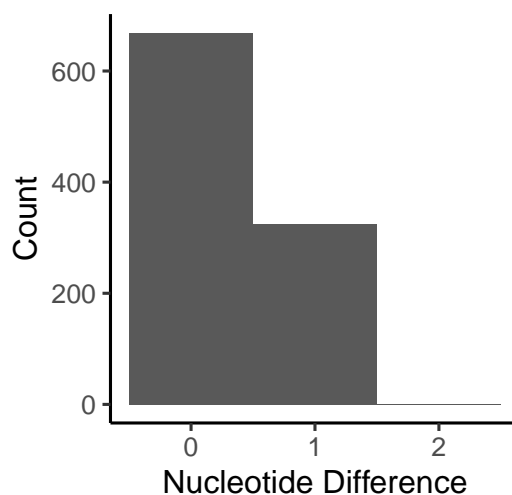
### TRBV7-7\*ap01

587 sequences assigned  
586 (99.8%) exact matches, in which:  
586 unique CDR3  
13 unique J



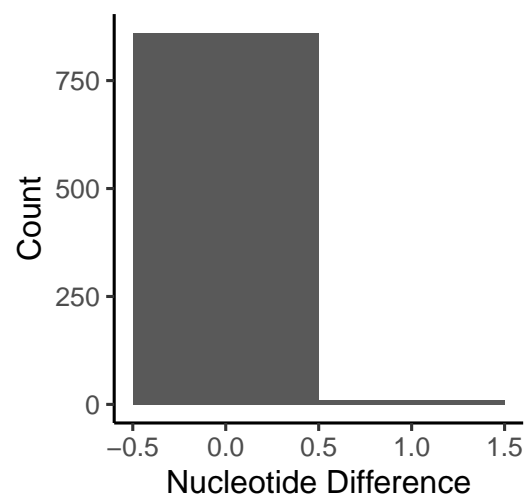
### TRBV7-8\*ap03

995 sequences assigned  
669 (67.2%) exact matches, in which:  
664 unique CDR3  
13 unique J



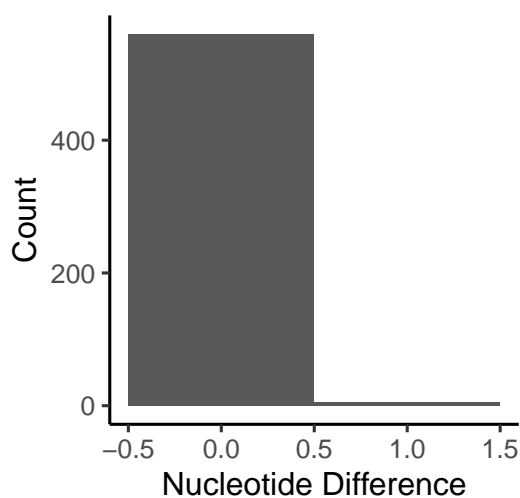
### TRBV29-1\*ap02

872 sequences assigned  
861 (98.7%) exact matches, in which:  
853 unique CDR3  
13 unique J



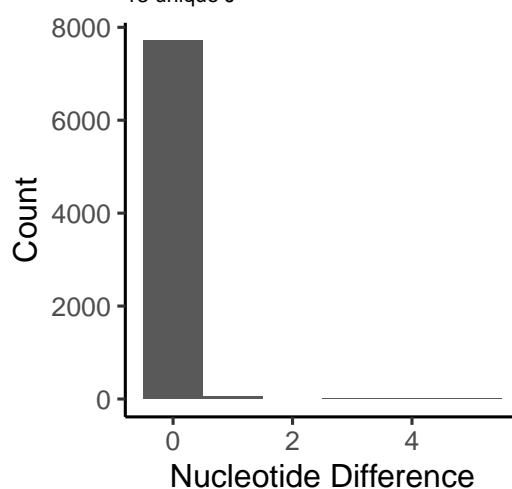
### TRBV7-7\*ap01\_C315T

566 sequences assigned  
560 (98.9%) exact matches, in which:  
557 unique CDR3  
13 unique J



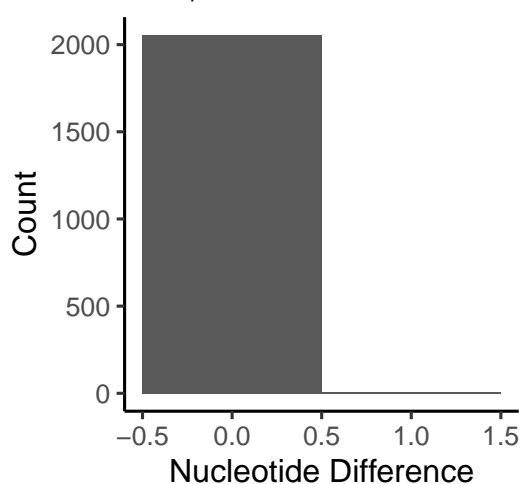
### TRBV7-9\*ap01

7775 sequences assigned  
7711 (99.2%) exact matches, in which:  
7672 unique CDR3  
13 unique J



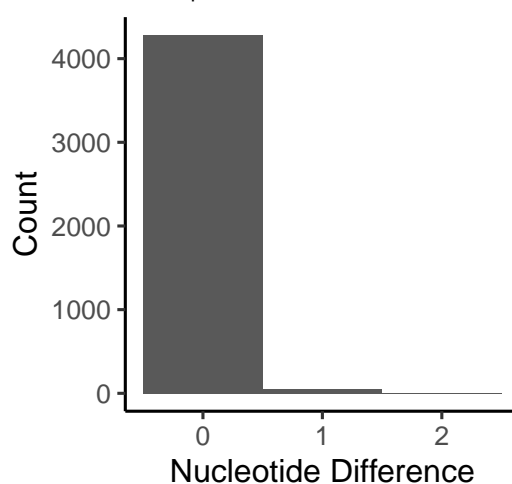
### TRBV7-8\*ap01

2063 sequences assigned  
2055 (99.6%) exact matches, in which:  
2043 unique CDR3  
13 unique J

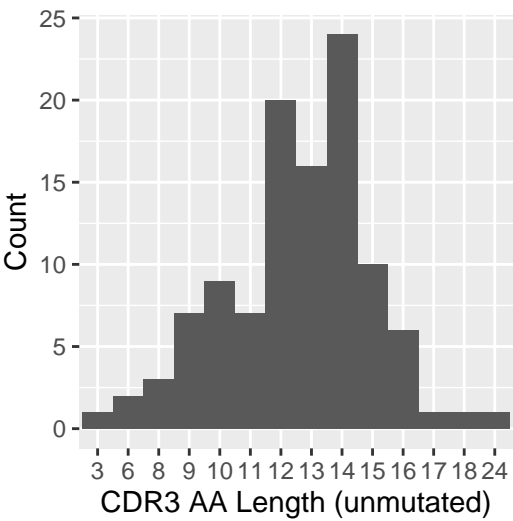


### TRBV29-1\*ap01

4338 sequences assigned  
4282 (98.7%) exact matches, in which:  
4224 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

