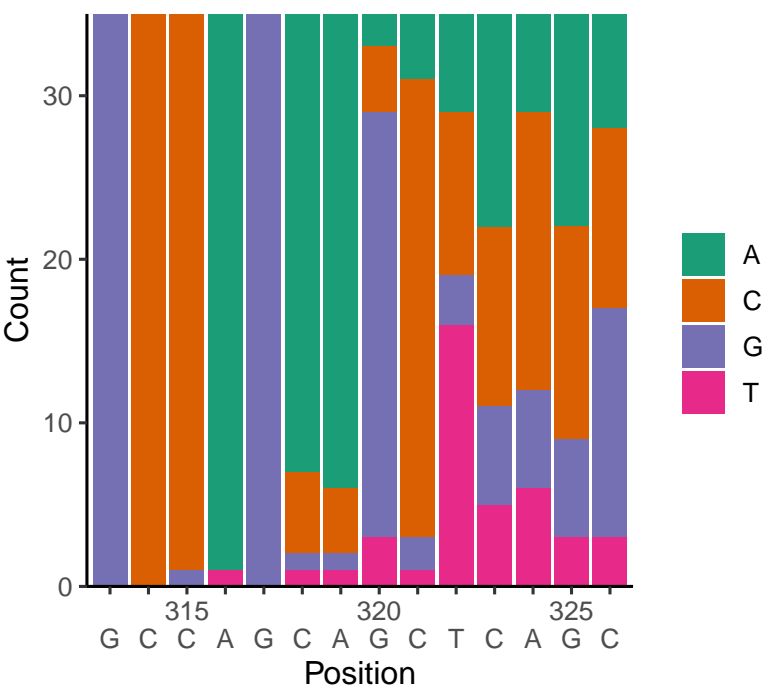
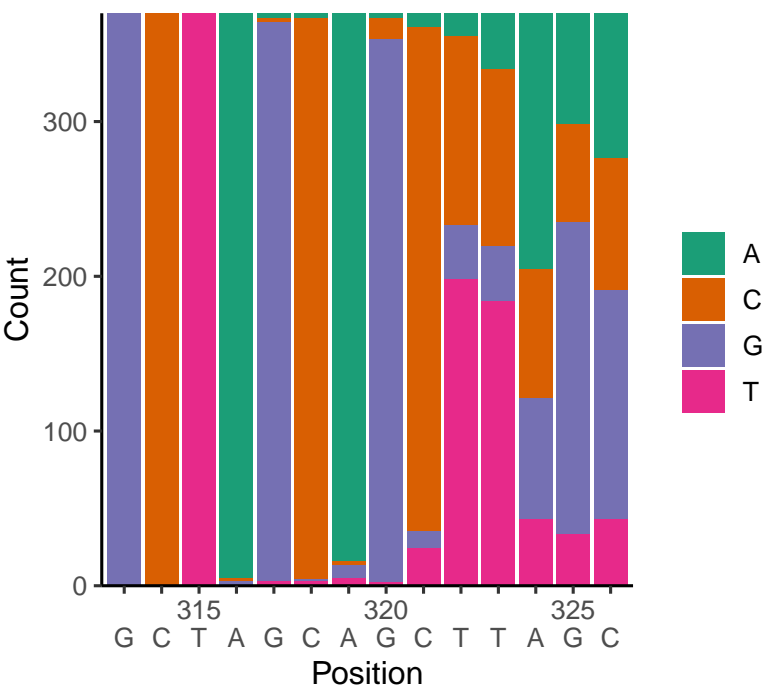


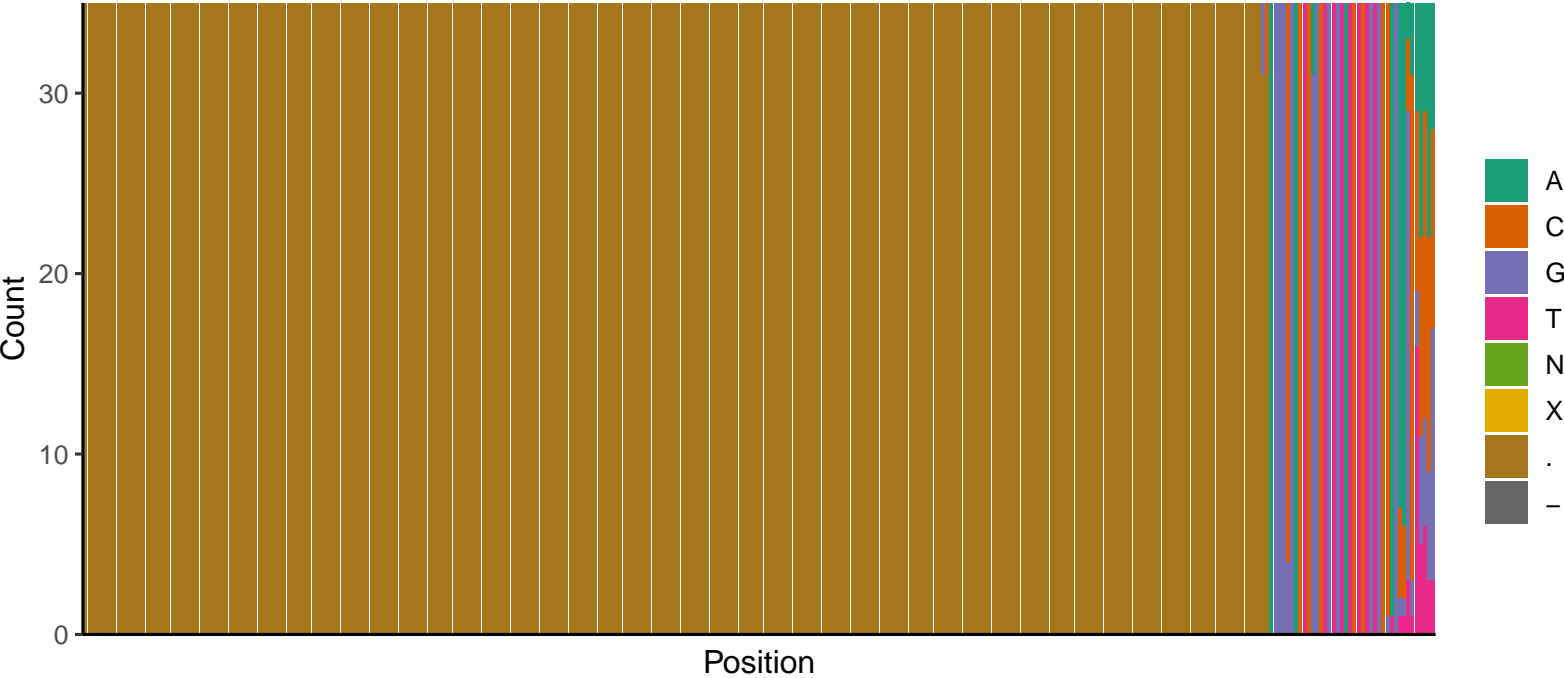
Gene TRBV7-1\*ap01\_T296C



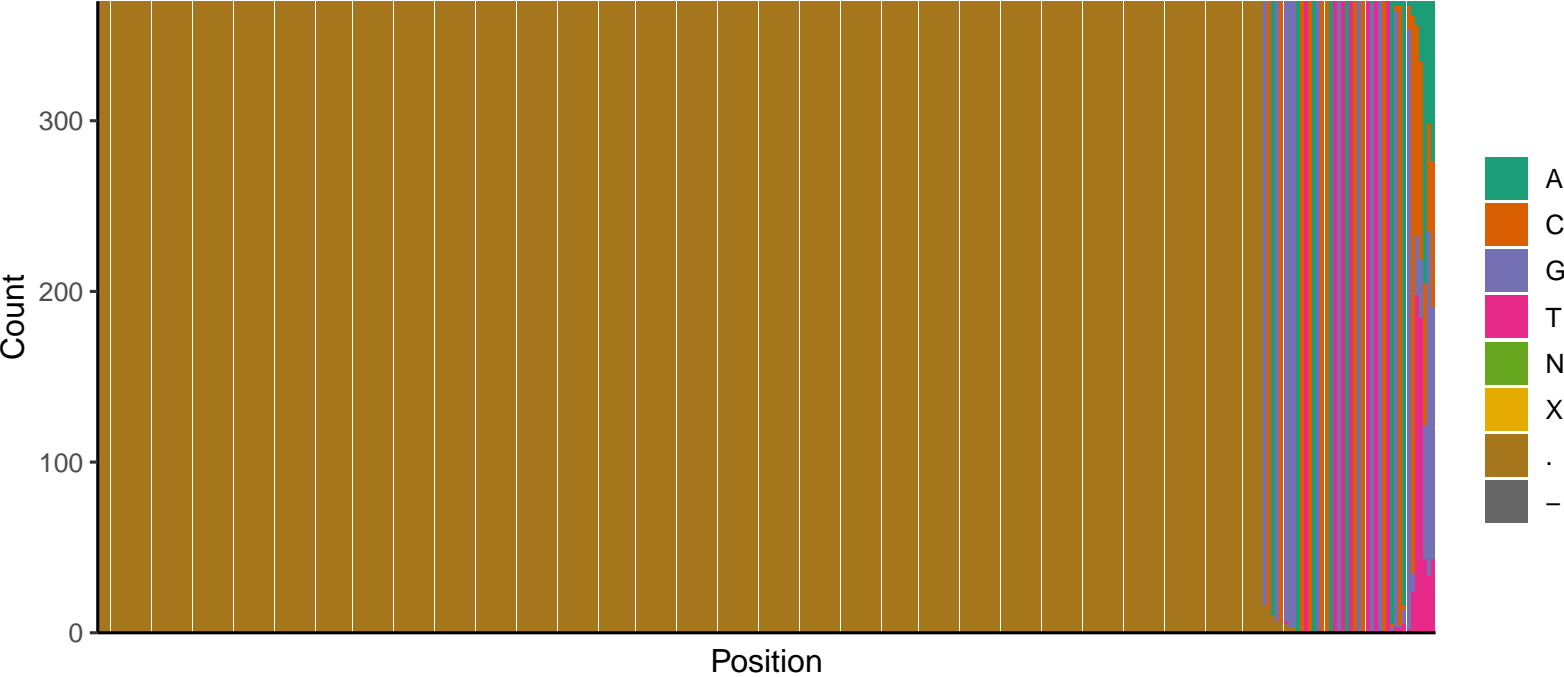
Gene TRBV7-7\*ap01\_C315T



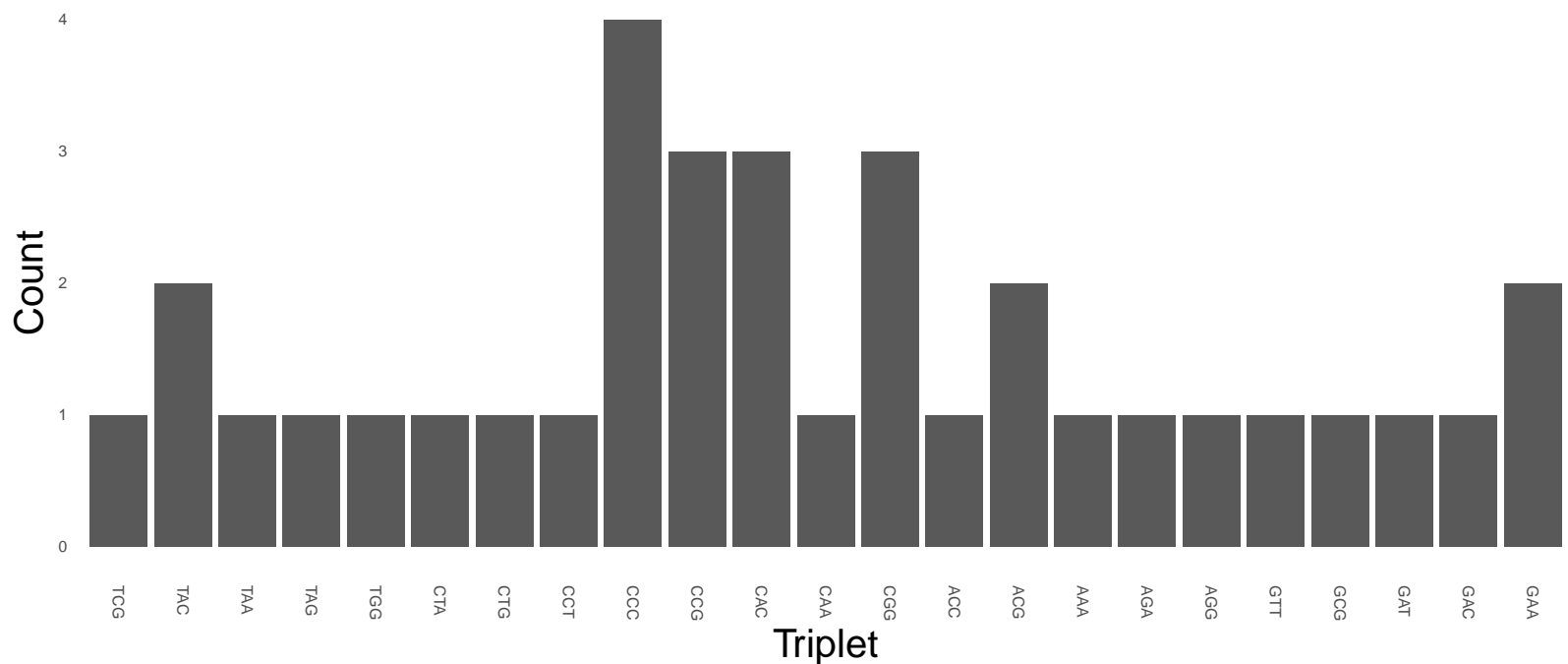
Gene TRBV7-1\*ap01\_T296C



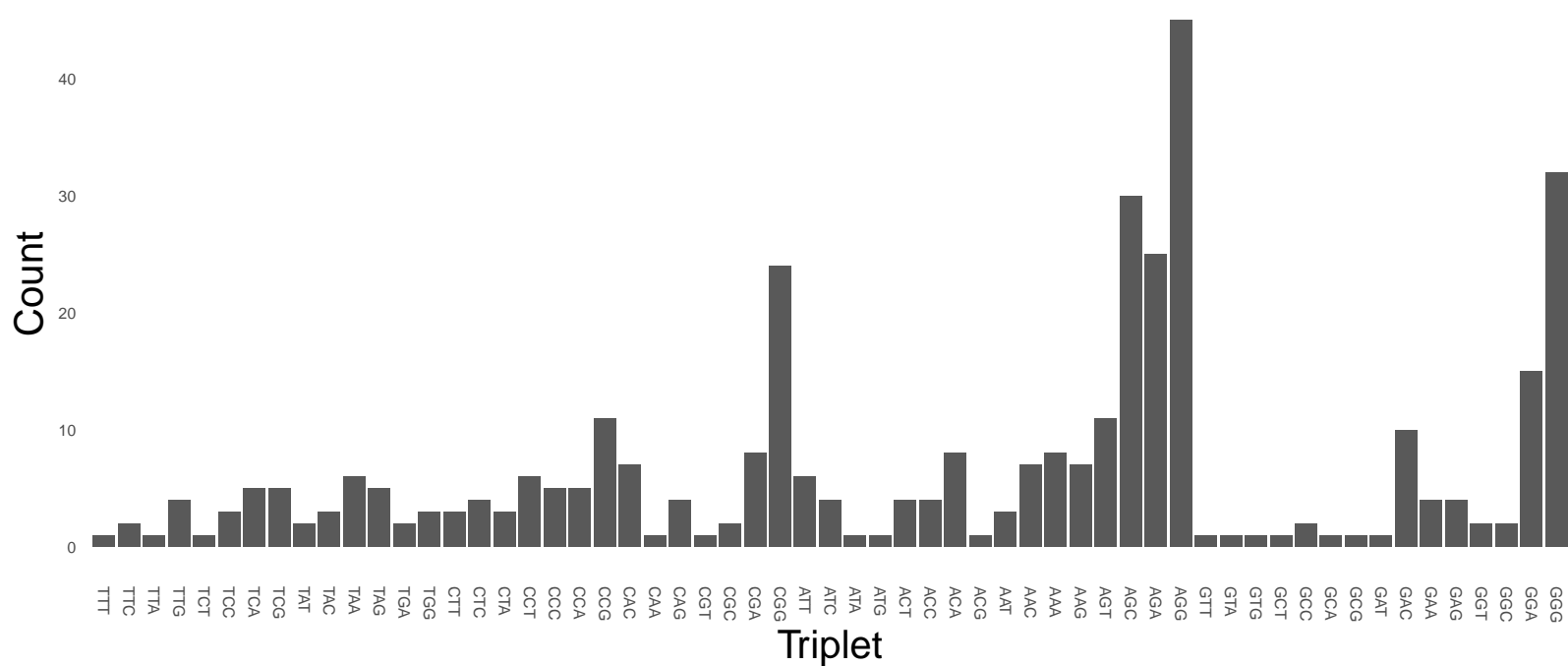
Gene TRBV7-7\*ap01\_C315T



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

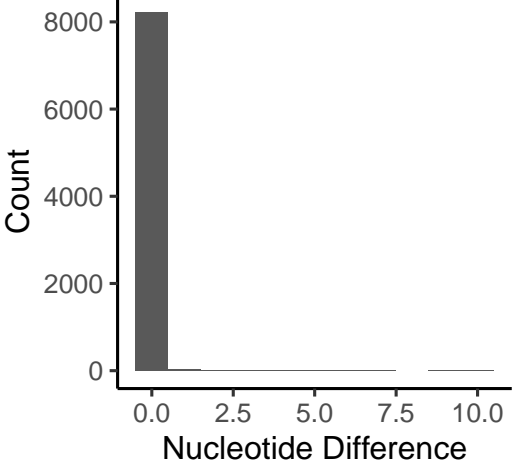


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



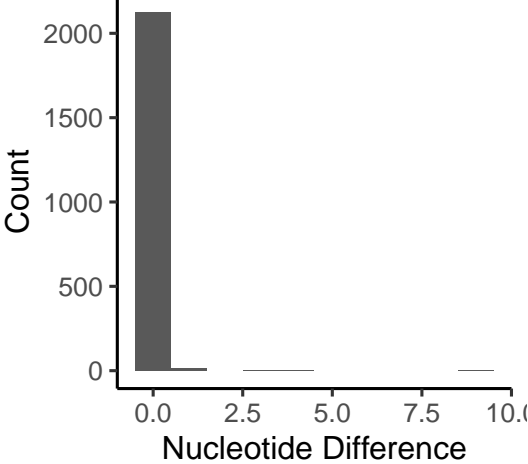
TRBV20-1\*ap01

8270 sequences assigned  
8217 (99.4%) exact matches, in which:  
8173 unique CDR3  
13 unique J



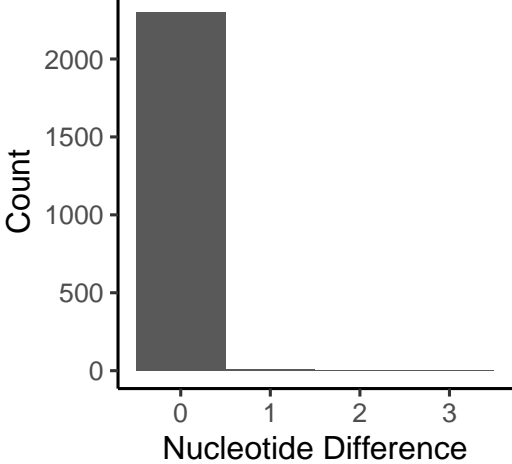
TRBV10-3\*ap01

2140 sequences assigned  
2124 (99.3%) exact matches, in which:  
2114 unique CDR3  
13 unique J



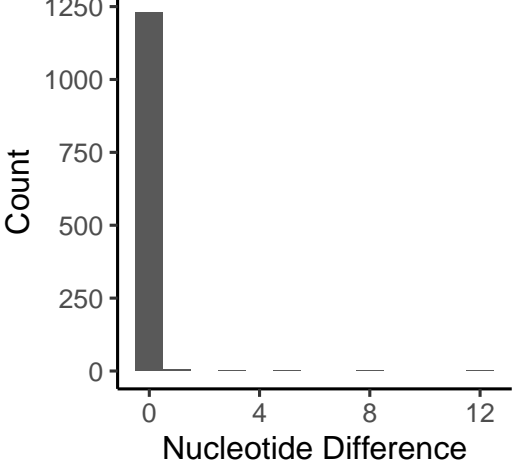
TRBV14\*ap01

2309 sequences assigned  
2299 (99.6%) exact matches, in which:  
2292 unique CDR3  
13 unique J



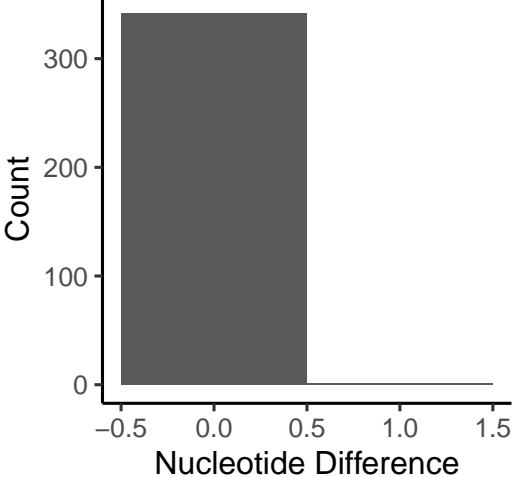
TRBV10-1\*ap01

1238 sequences assigned  
1229 (99.3%) exact matches, in which:  
1224 unique CDR3  
13 unique J



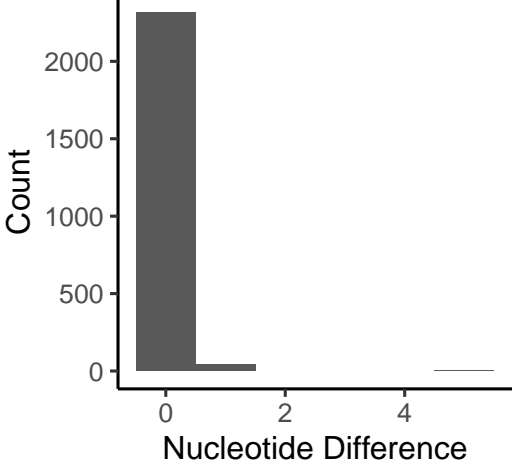
TRBV1\*ap01

343 sequences assigned  
342 (99.7%) exact matches, in which:  
337 unique CDR3  
13 unique J



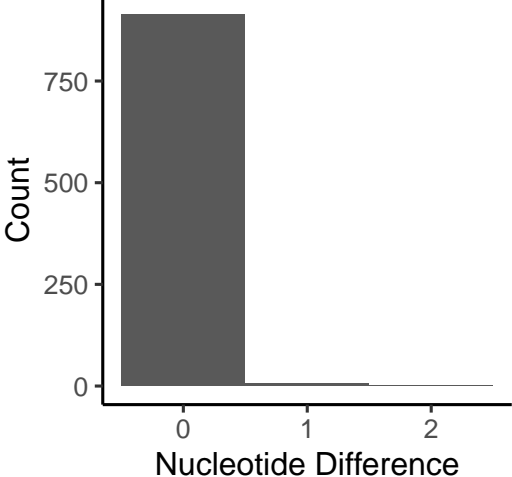
TRBV15\*ap02

2360 sequences assigned  
2314 (98.1%) exact matches, in which:  
2296 unique CDR3  
13 unique J



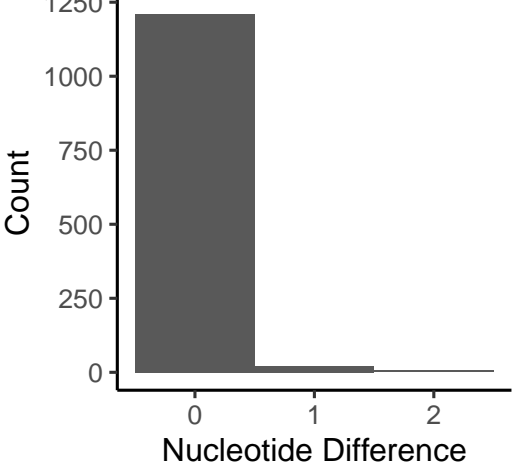
TRBV10-2\*ap01

921 sequences assigned  
914 (99.2%) exact matches, in which:  
910 unique CDR3  
13 unique J



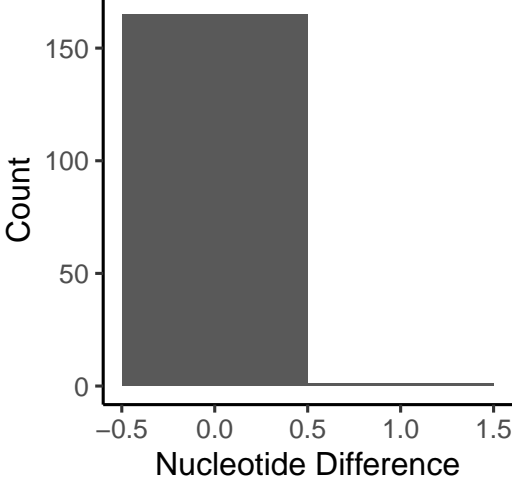
TRBV13\*ap01

1237 sequences assigned  
1210 (97.8%) exact matches, in which:  
1205 unique CDR3  
13 unique J



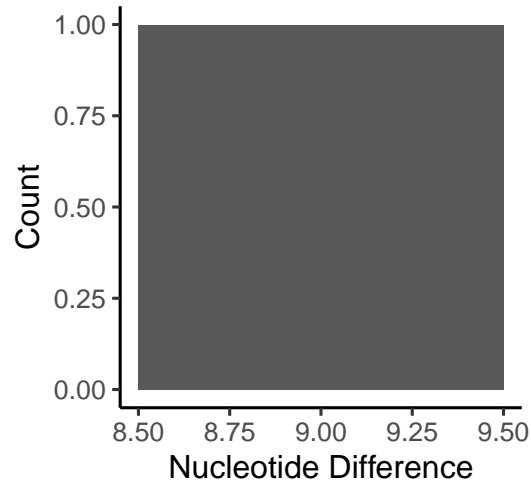
TRBV16\*ap01

166 sequences assigned  
165 (99.4%) exact matches, in which:  
165 unique CDR3  
13 unique J



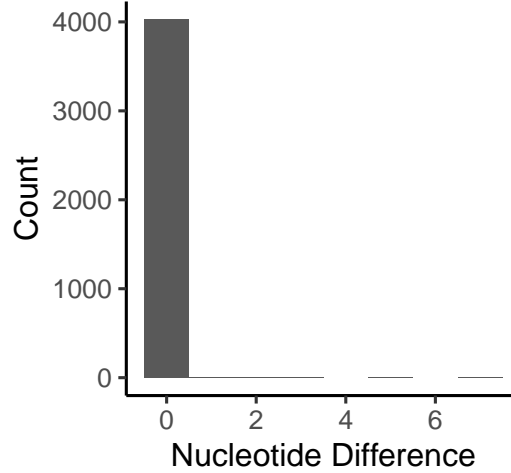
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



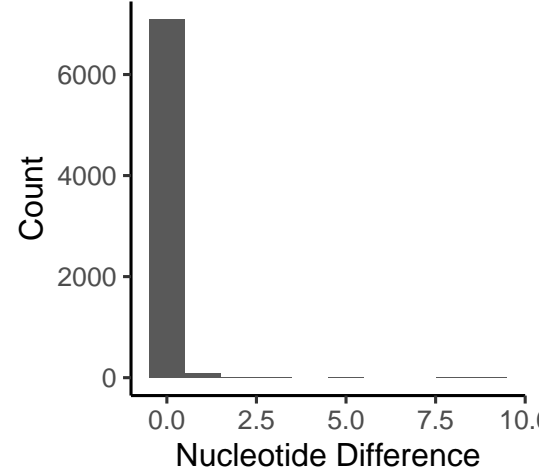
### TRBV2\*ap01

4042 sequences assigned  
4028 (99.7%) exact matches, in which:  
4015 unique CDR3  
13 unique J



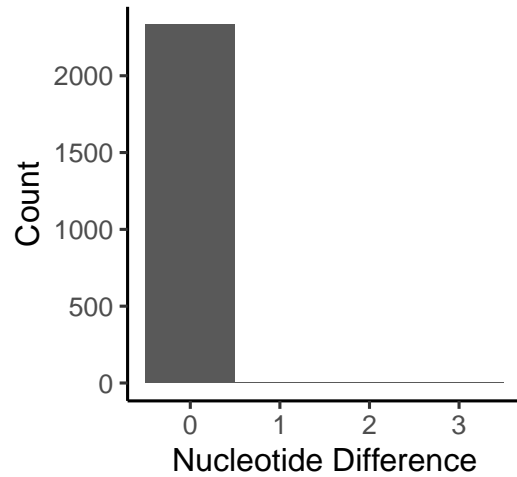
### TRBV30\*ap02

7181 sequences assigned  
7091 (98.7%) exact matches, in which:  
7018 unique CDR3  
13 unique J



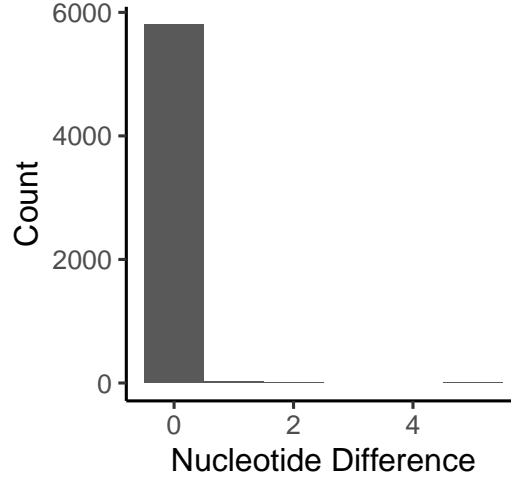
### TRBV18\*ap01

2338 sequences assigned  
2332 (99.7%) exact matches, in which:  
2329 unique CDR3  
13 unique J



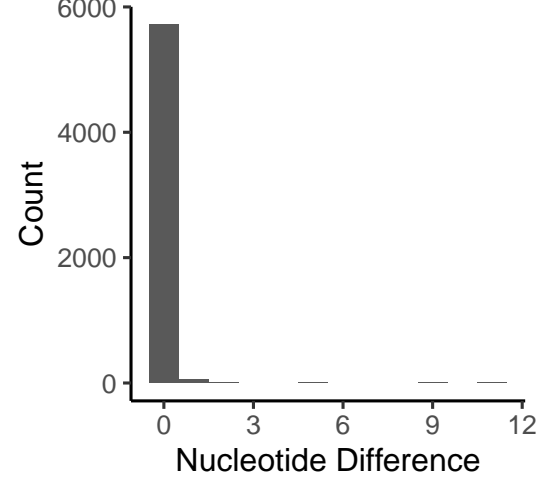
### TRBV27\*ap01

5823 sequences assigned  
5800 (99.6%) exact matches, in which:  
5771 unique CDR3  
13 unique J



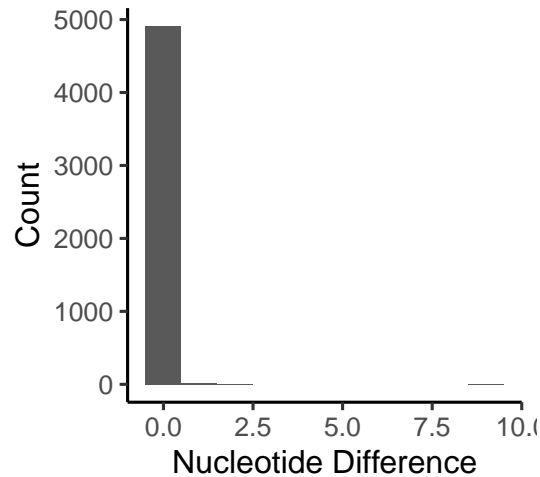
### TRBV9\*ap01

5785 sequences assigned  
5716 (98.8%) exact matches, in which:  
5698 unique CDR3  
13 unique J



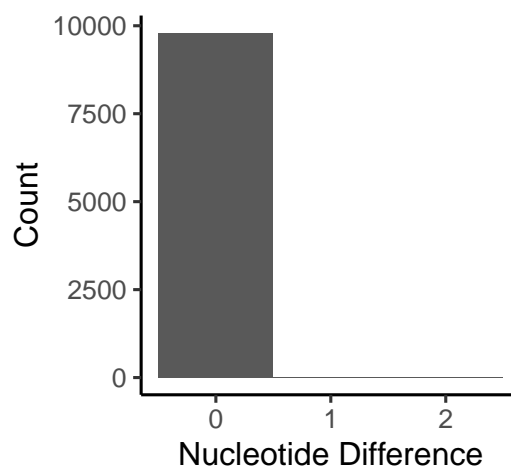
### TRBV19\*ap01

4929 sequences assigned  
4911 (99.6%) exact matches, in which:  
4903 unique CDR3  
13 unique J



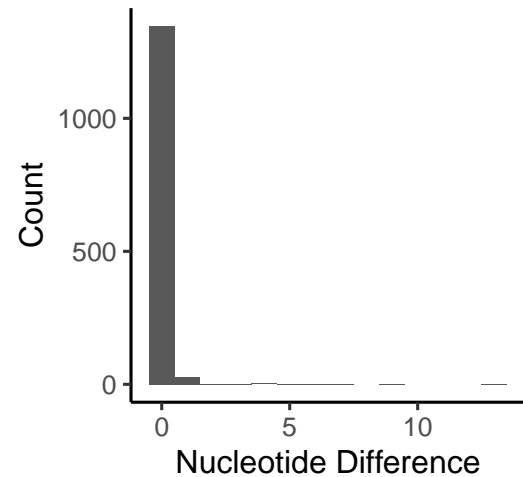
### TRBV28\*ap01

9829 sequences assigned  
9800 (99.7%) exact matches, in which:  
9774 unique CDR3  
13 unique J



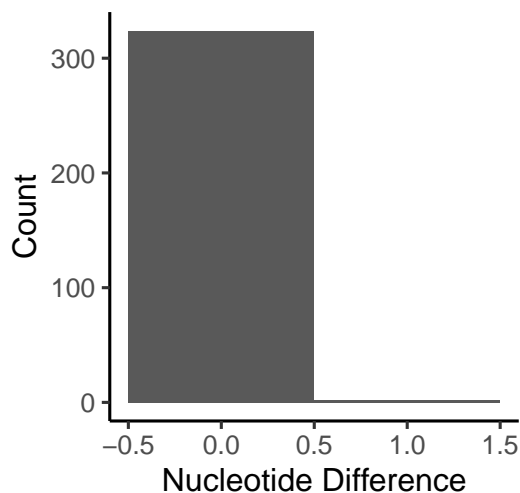
### TRBV21-1\*ap01

1386 sequences assigned  
1347 (97.2%) exact matches, in which:  
1337 unique CDR3  
13 unique J



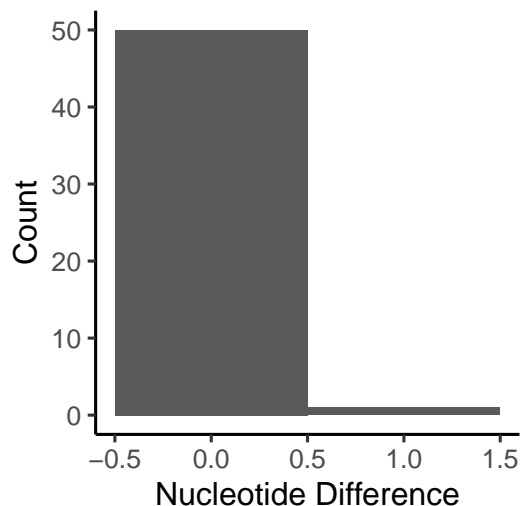
### TRBV11-1\*ap01

326 sequences assigned  
324 (99.4%) exact matches, in which:  
323 unique CDR3  
13 unique J



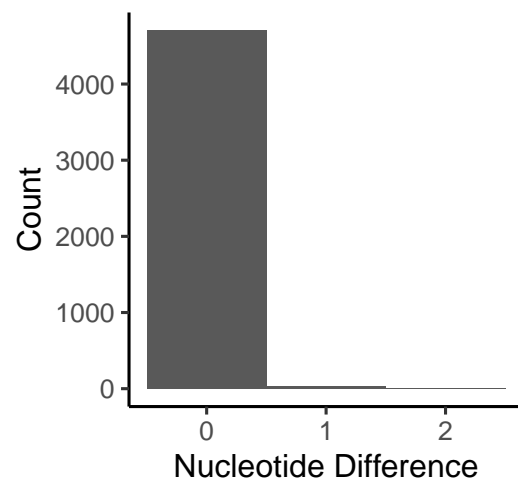
### TRBV12-1\*ap01

51 sequences assigned  
50 (98%) exact matches, in which:  
50 unique CDR3  
11 unique J



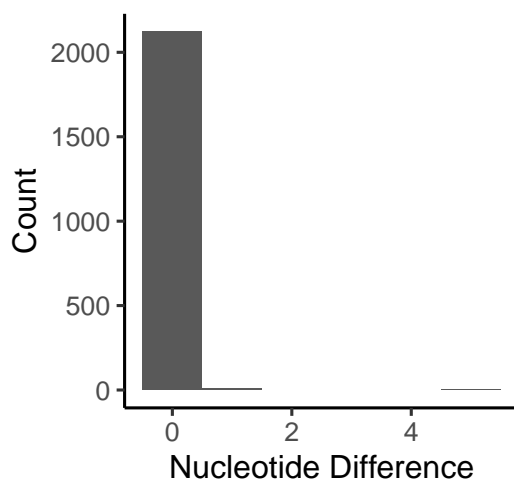
### TRBV12-34\*ap01

4737 sequences assigned  
4704 (99.3%) exact matches, in which:  
4687 unique CDR3  
13 unique J



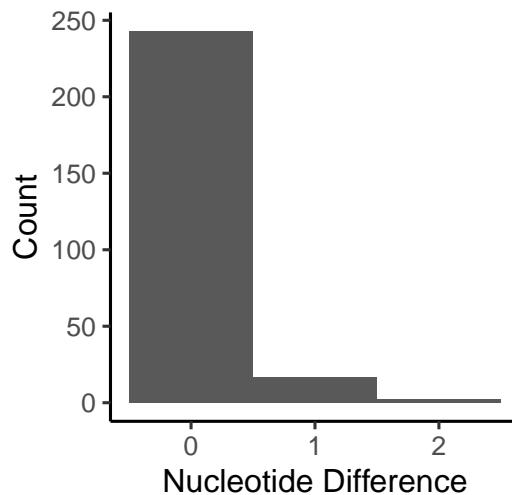
### TRBV11-2\*ap01

2129 sequences assigned  
2122 (99.7%) exact matches, in which:  
2116 unique CDR3  
13 unique J



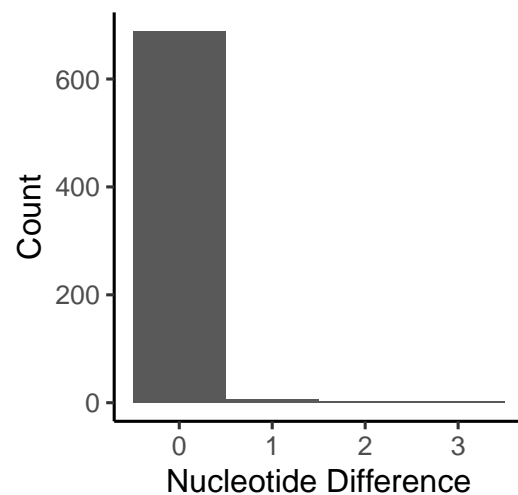
### TRBV12-2\*ap01

262 sequences assigned  
243 (92.7%) exact matches, in which:  
241 unique CDR3  
13 unique J



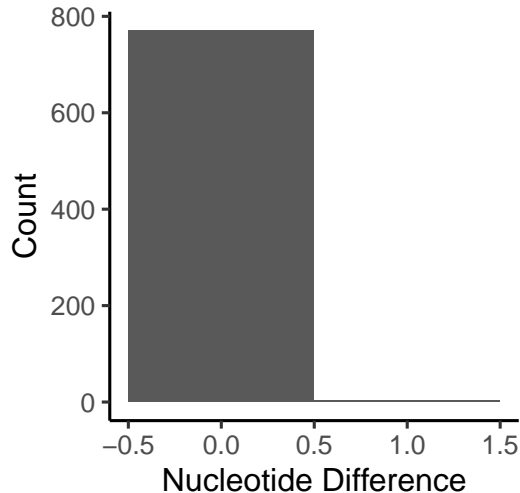
### TRBV23-1\*ap01

699 sequences assigned  
689 (98.6%) exact matches, in which:  
688 unique CDR3  
13 unique J



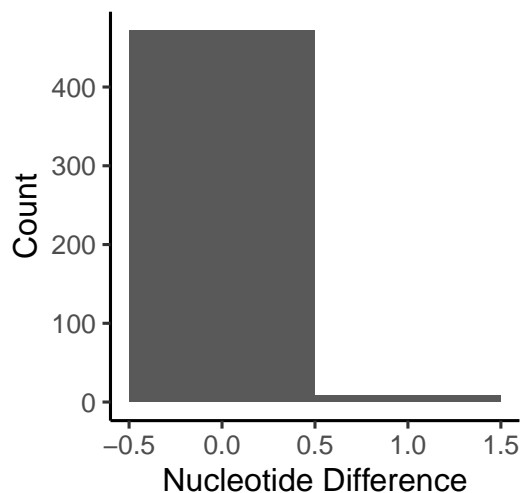
### TRBV11-3\*ap01

774 sequences assigned  
771 (99.6%) exact matches, in which:  
768 unique CDR3  
13 unique J



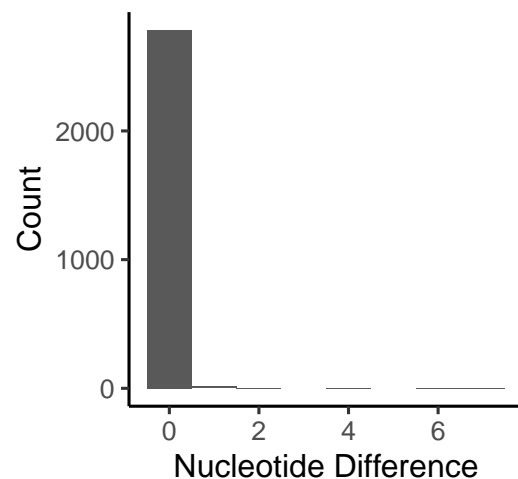
### TRBV12-5\*ap01

480 sequences assigned  
472 (98.3%) exact matches, in which:  
470 unique CDR3  
13 unique J



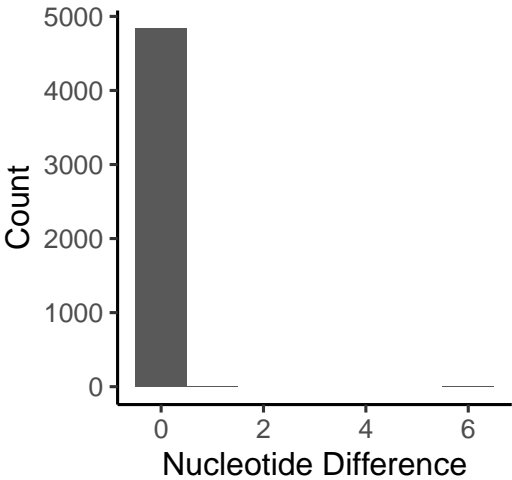
### TRBV3-12\*ap01

2804 sequences assigned  
2784 (99.3%) exact matches, in which:  
2780 unique CDR3  
13 unique J



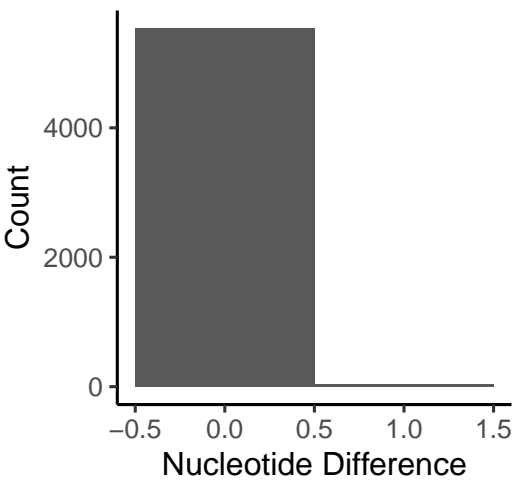
TRBV4-1\*ap01

4852 sequences assigned  
4838 (99.7%) exact matches, in which:  
4802 unique CDR3  
13 unique J



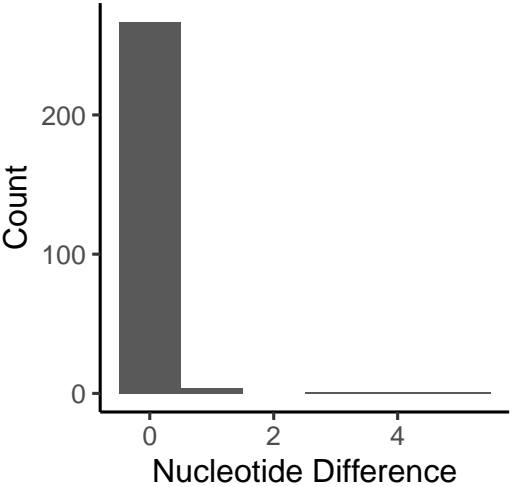
TRBV4-3\*ap01

5576 sequences assigned  
5537 (99.3%) exact matches, in which:  
5504 unique CDR3  
13 unique J



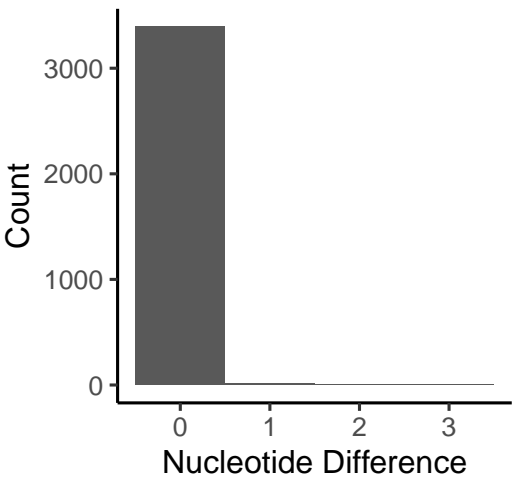
TRBV5-3\*ap01

274 sequences assigned  
267 (97.4%) exact matches, in which:  
267 unique CDR3  
13 unique J



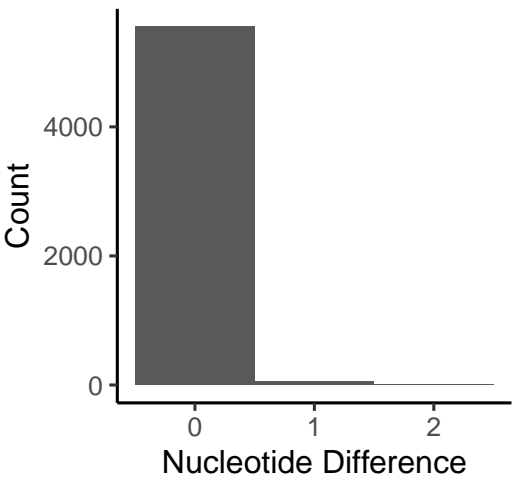
TRBV24-1\*ap01

3414 sequences assigned  
3393 (99.4%) exact matches, in which:  
3370 unique CDR3  
13 unique J



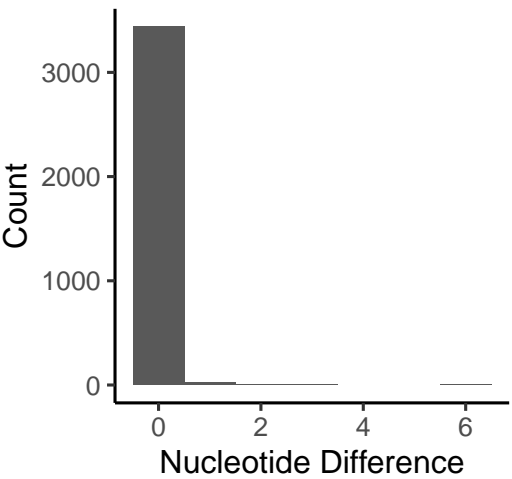
TRBV5-1\*ap01

5600 sequences assigned  
5551 (99.1%) exact matches, in which:  
5523 unique CDR3  
13 unique J



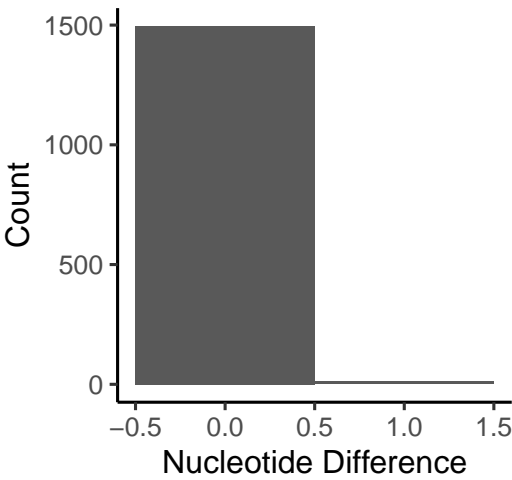
TRBV5-4\*ap01

3461 sequences assigned  
3438 (99.3%) exact matches, in which:  
3426 unique CDR3  
13 unique J



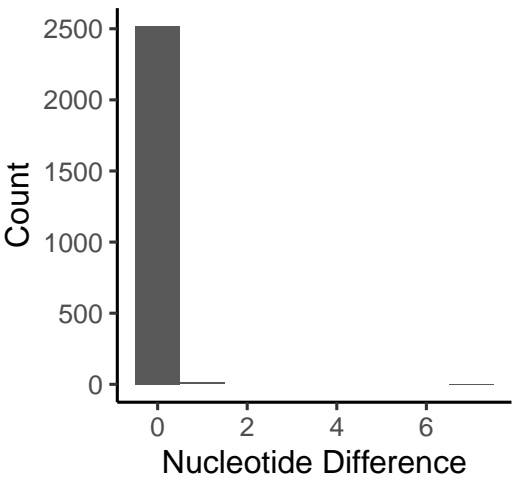
TRBV4-2\*ap01

1507 sequences assigned  
1496 (99.3%) exact matches, in which:  
1489 unique CDR3  
13 unique J



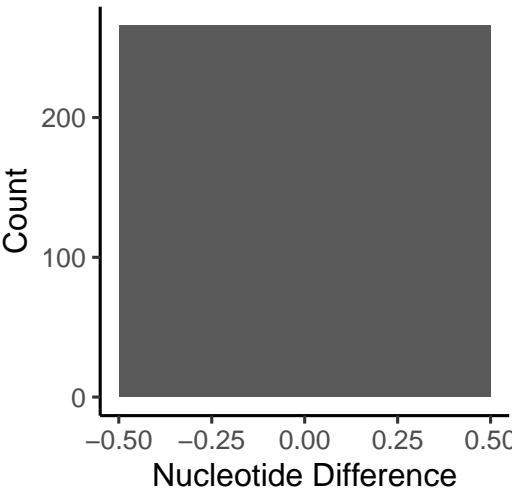
TRBV25-1\*ap01

2533 sequences assigned  
2519 (99.4%) exact matches, in which:  
2486 unique CDR3  
13 unique J



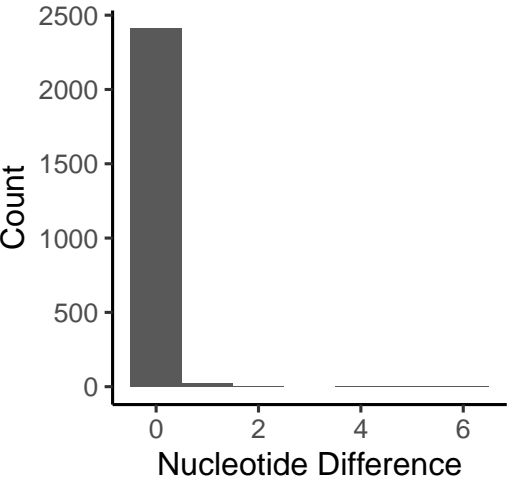
TRBV5-5\*ap01

266 sequences assigned  
266 (100%) exact matches, in which:  
265 unique CDR3  
12 unique J



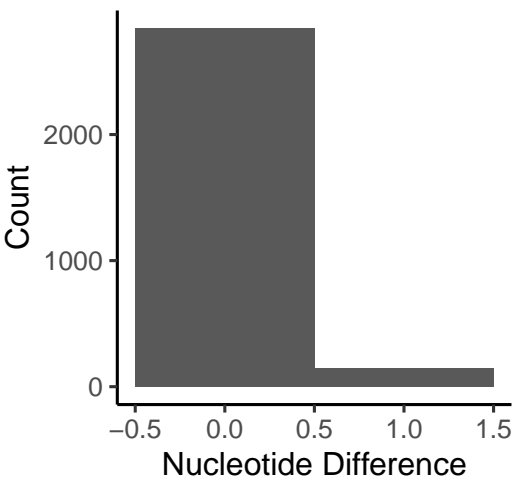
TRBV5-6\*ap01

2440 sequences assigned  
2411 (98.8%) exact matches, in which:  
2396 unique CDR3  
13 unique J



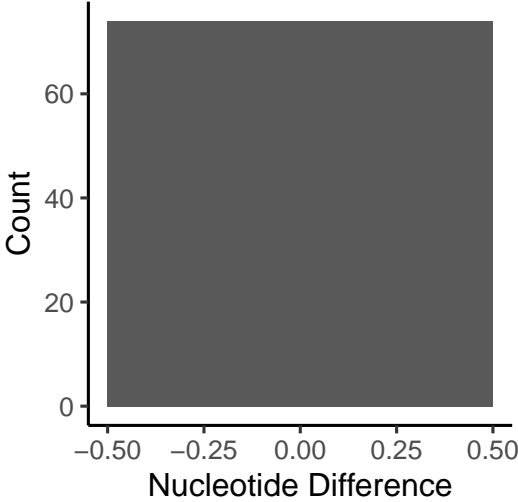
TRBV6-1\*ap01

2985 sequences assigned  
2842 (95.2%) exact matches, in which:  
2826 unique CDR3  
13 unique J



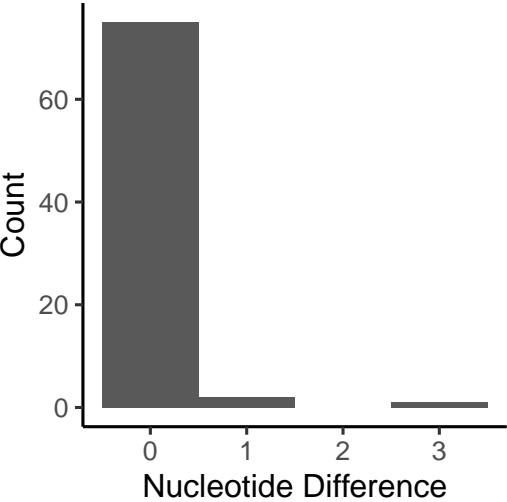
TRBV6-8\*ap01

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



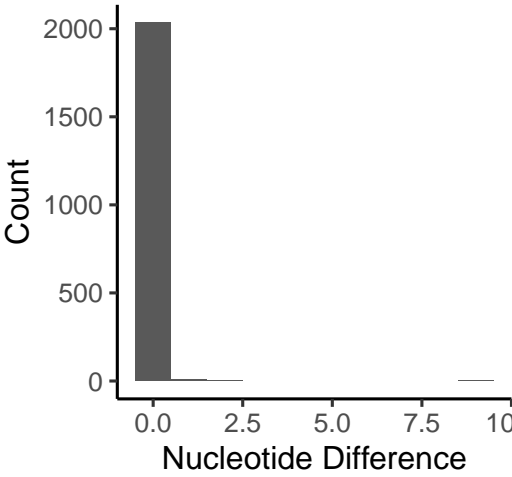
TRBV5-7\*ap01

78 sequences assigned  
75 (96.2%) exact matches, in which:  
74 unique CDR3  
13 unique J



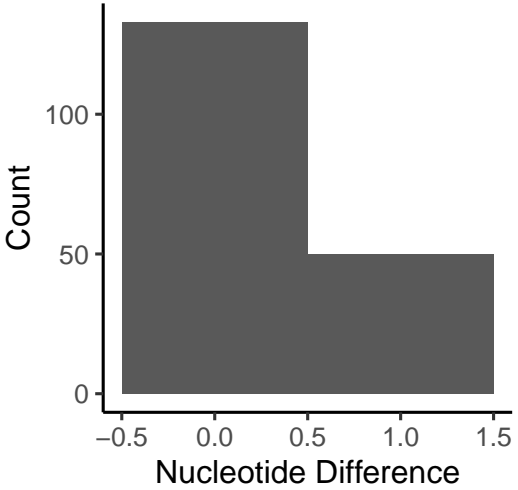
TRBV6-4\*ap01

2047 sequences assigned  
2034 (99.4%) exact matches, in which:  
2029 unique CDR3  
13 unique J



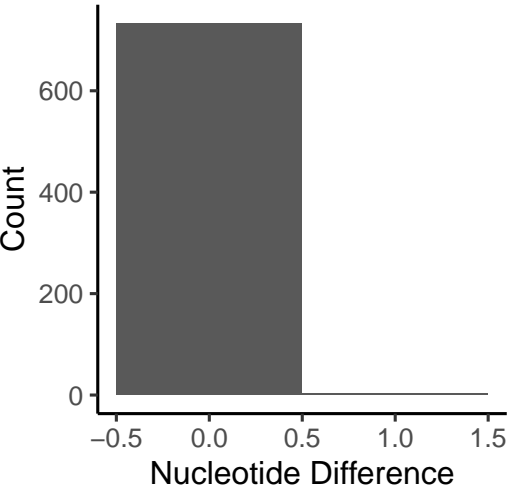
TRBV6-9\*ap01

183 sequences assigned  
133 (72.7%) exact matches, in which:  
133 unique CDR3  
13 unique J



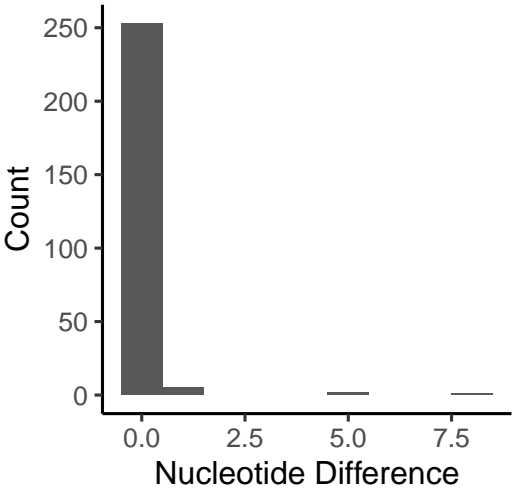
TRBV5-8\*ap01

736 sequences assigned  
733 (99.6%) exact matches, in which:  
731 unique CDR3  
13 unique J



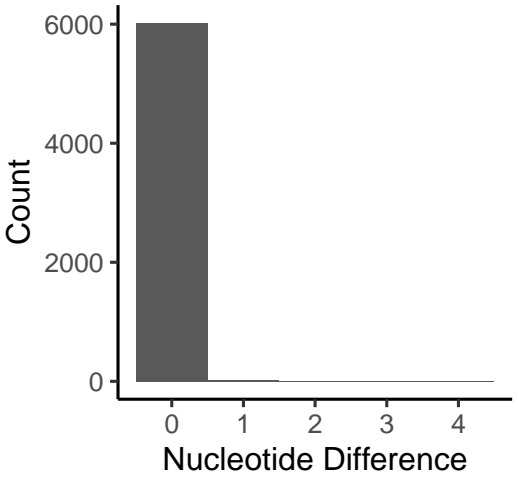
TRBV6-7\*ap01

261 sequences assigned  
253 (96.9%) exact matches, in which:  
251 unique CDR3  
13 unique J



TRBV6-23\*ap01

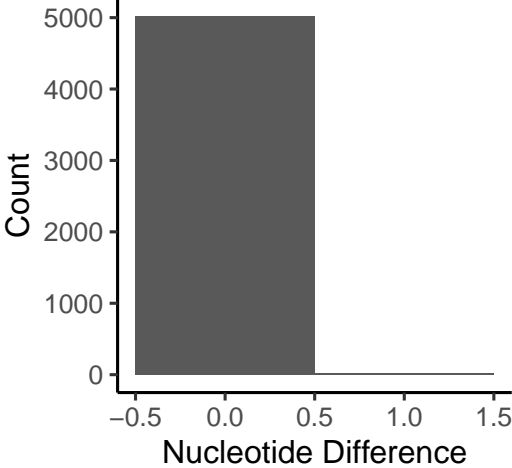
6045 sequences assigned  
6019 (99.6%) exact matches, in which:  
5983 unique CDR3  
13 unique J





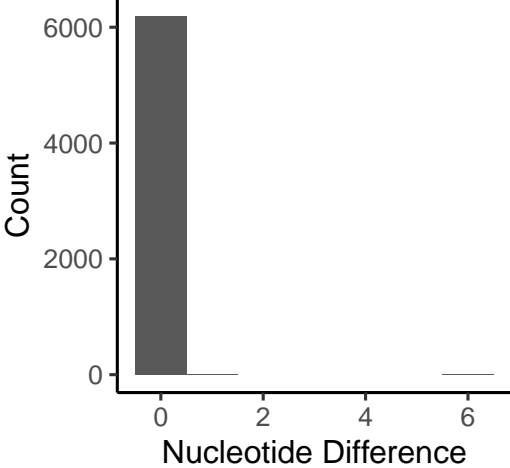
TRBV6-56\*ap01

5034 sequences assigned  
5017 (99.7%) exact matches, in which:  
4990 unique CDR3  
13 unique J



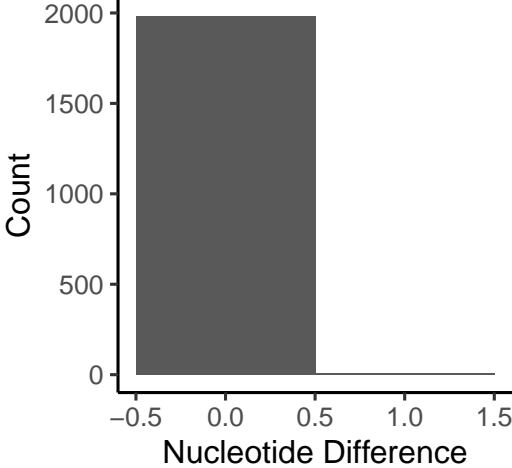
TRBV7-2\*ap01

6202 sequences assigned  
6187 (99.8%) exact matches, in which:  
6167 unique CDR3  
13 unique J



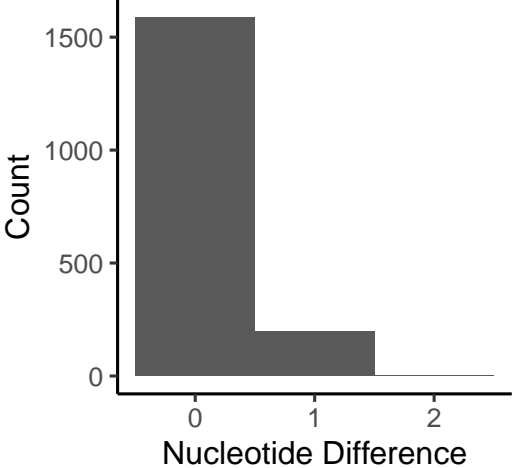
TRBV7-6\*ap01

1992 sequences assigned  
1981 (99.4%) exact matches, in which:  
1968 unique CDR3  
13 unique J



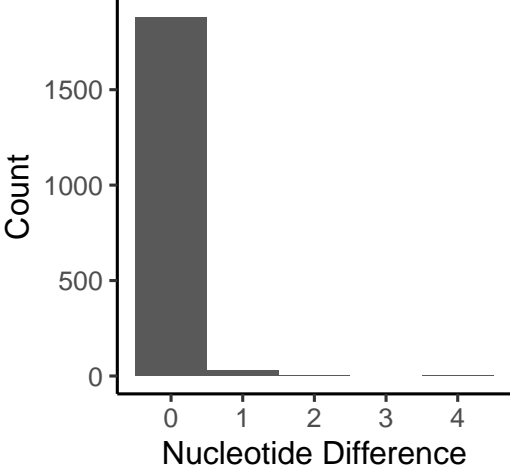
TRBV6-56\*ap02

1783 sequences assigned  
1586 (89%) exact matches, in which:  
1578 unique CDR3  
13 unique J



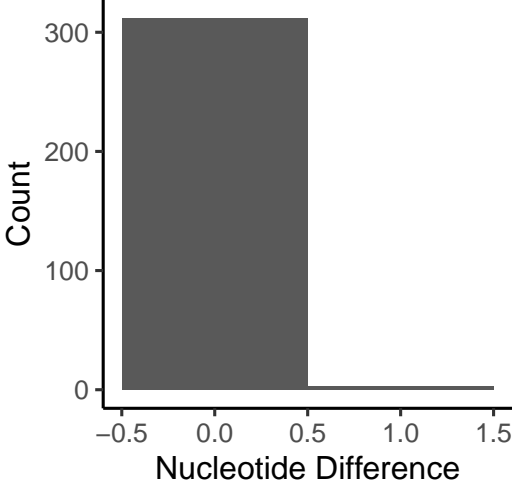
TRBV7-3\*ap01

1908 sequences assigned  
1877 (98.4%) exact matches, in which:  
1867 unique CDR3  
13 unique J



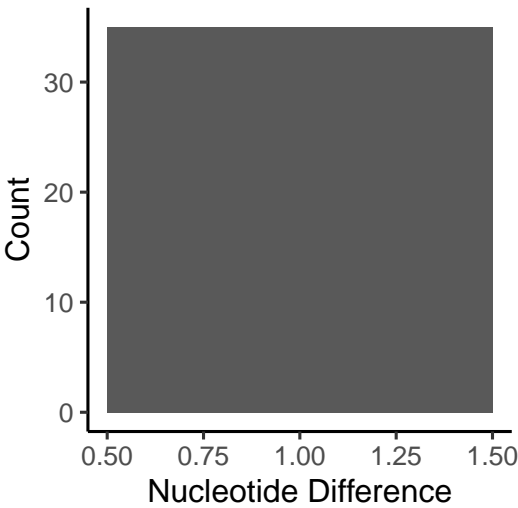
TRBV7-7\*ap01

315 sequences assigned  
312 (99%) exact matches, in which:  
312 unique CDR3  
13 unique J



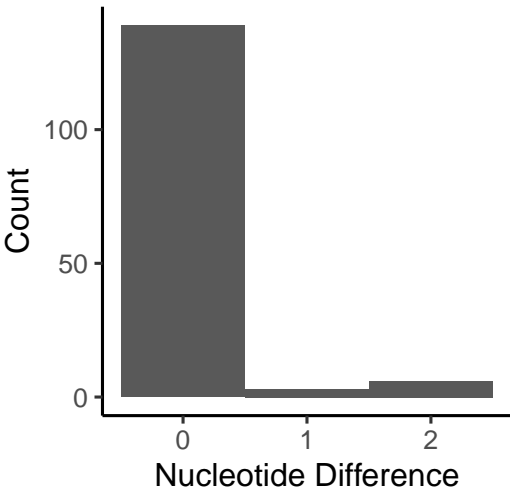
TRBV7-1\*ap01\_T296C

35 sequences assigned  
No exact matches.



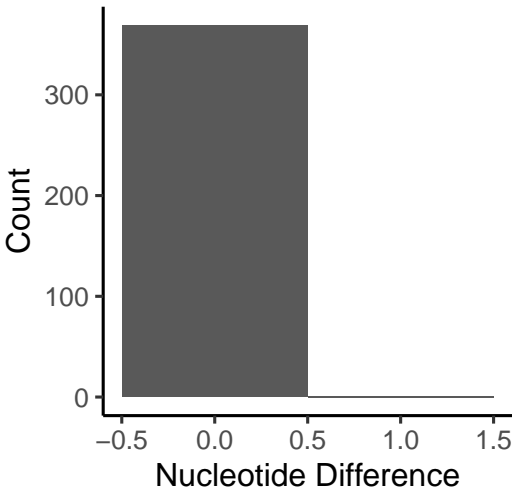
TRBV7-4\*ap01

148 sequences assigned  
139 (93.9%) exact matches, in which:  
138 unique CDR3  
13 unique J



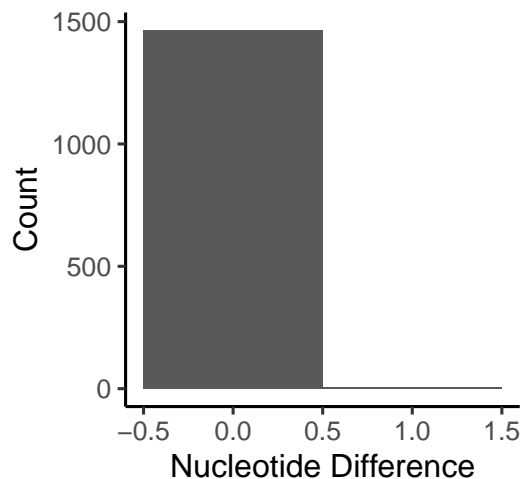
TRBV7-7\*ap01\_C315T

370 sequences assigned  
369 (99.7%) exact matches, in which:  
367 unique CDR3  
13 unique J



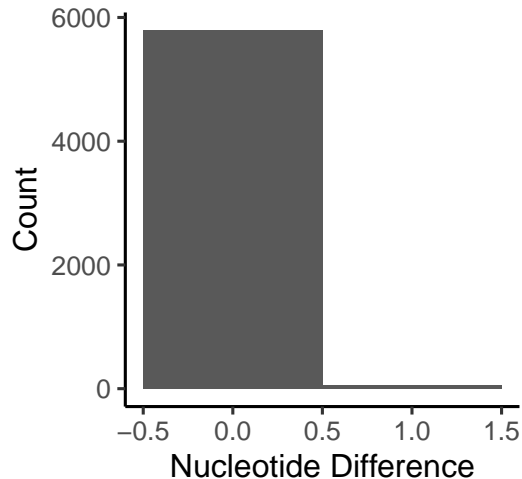
### TRBV7-8\*ap01

1470 sequences assigned  
1464 (99.6%) exact matches, in which:  
1457 unique CDR3  
13 unique J



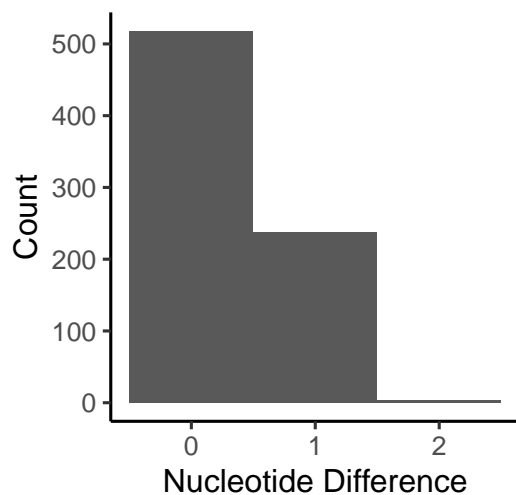
### TRBV29-1\*ap01

5846 sequences assigned  
5791 (99.1%) exact matches, in which:  
5700 unique CDR3  
13 unique J



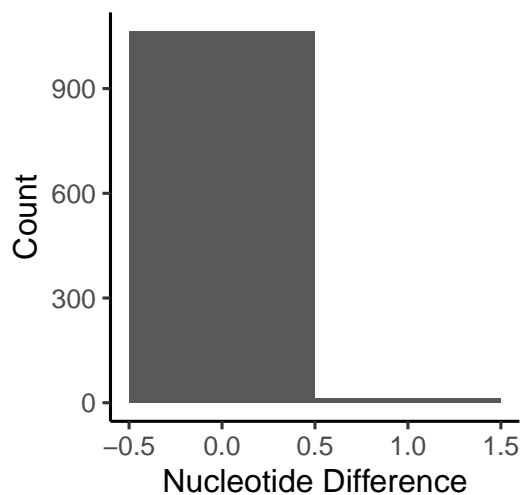
### TRBV7-8\*ap03

759 sequences assigned  
518 (68.2%) exact matches, in which:  
514 unique CDR3  
13 unique J



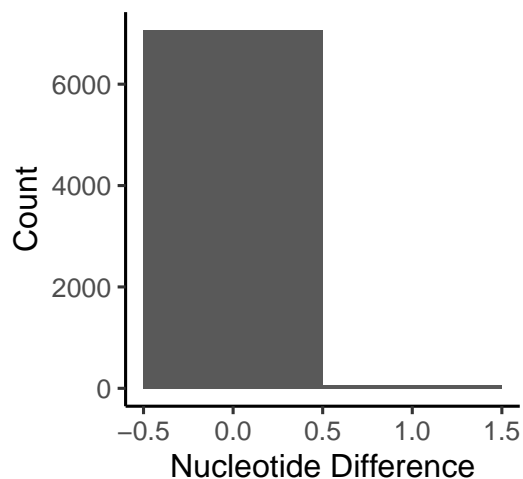
### TRBV29-1\*ap02

1079 sequences assigned  
1065 (98.7%) exact matches, in which:  
1054 unique CDR3  
13 unique J

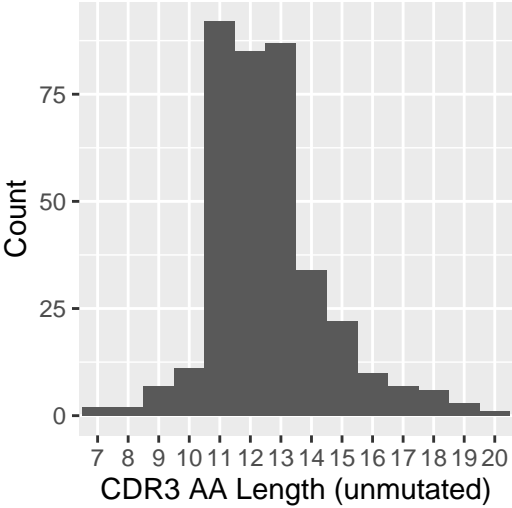


### TRBV7-9\*ap01

7128 sequences assigned  
7068 (99.2%) exact matches, in which:  
7043 unique CDR3  
13 unique J



TRBV7-7\*ap01\_C315T





[illegible]