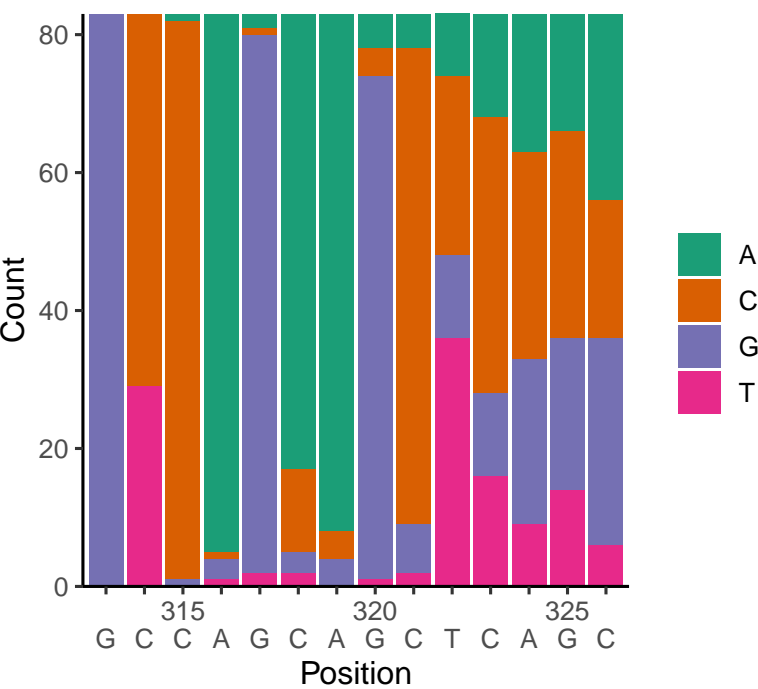
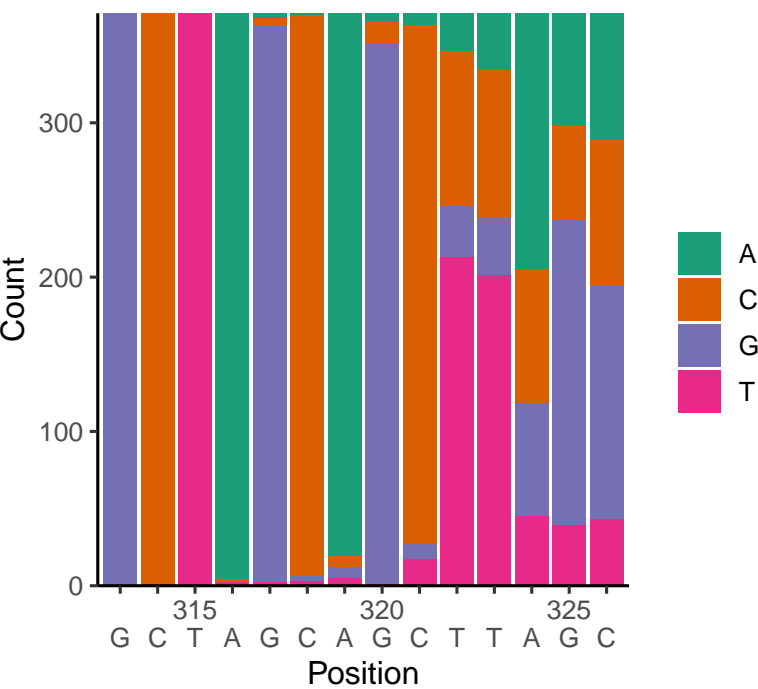


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



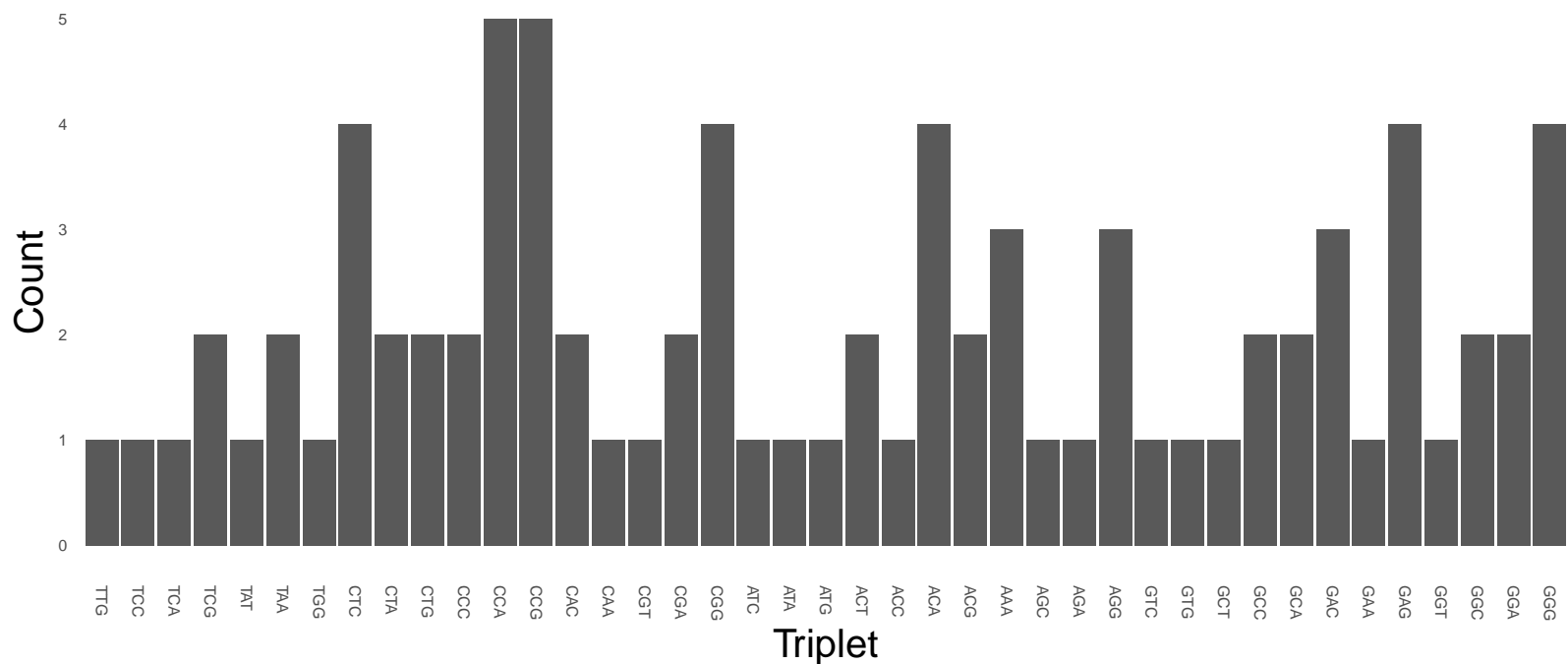
Gene TRBV7-1\*ap01\_T296C



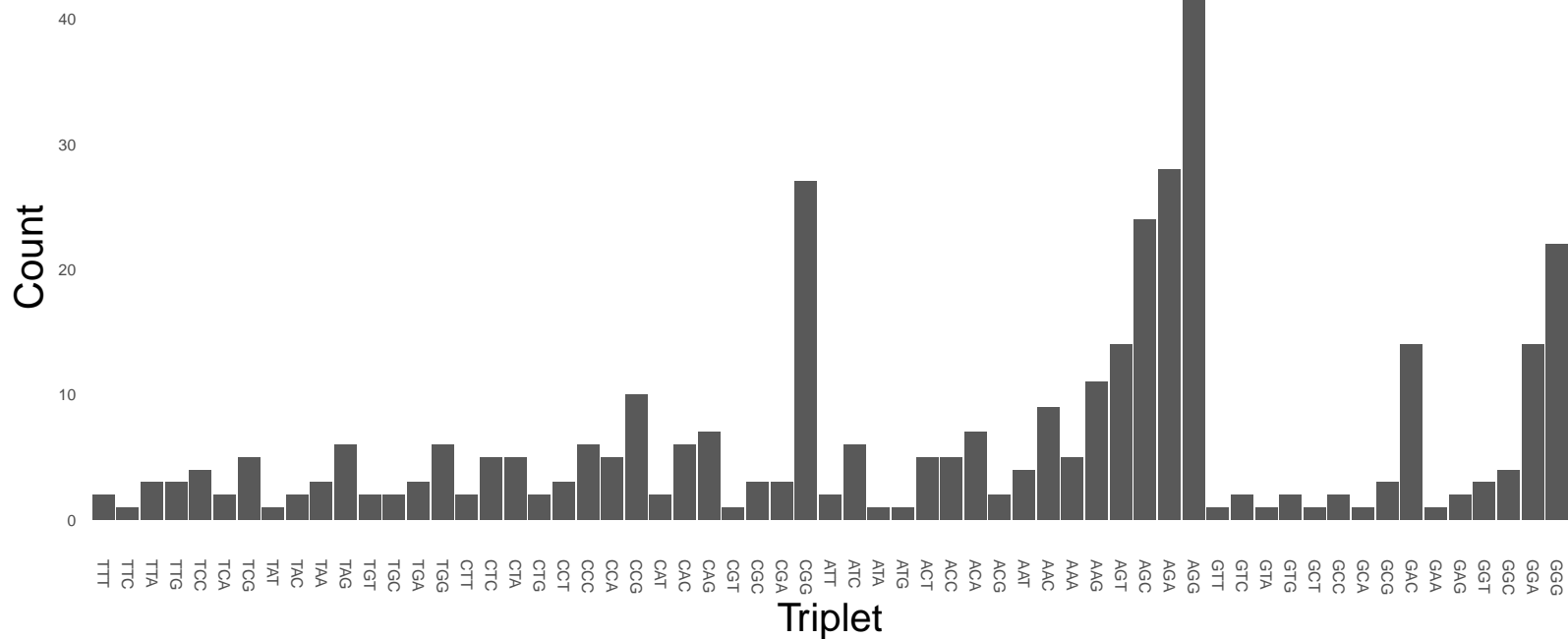
Gene TRBV7-7\*ap01\_C315T



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

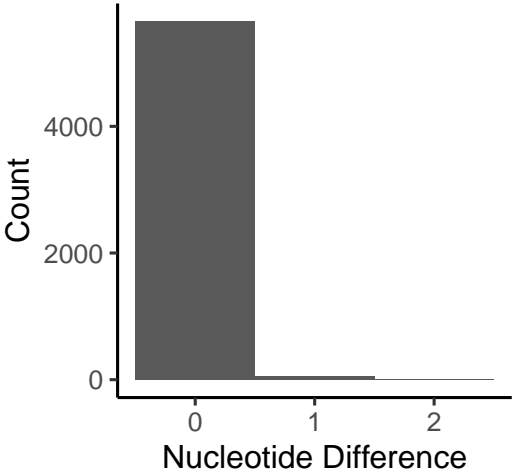


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



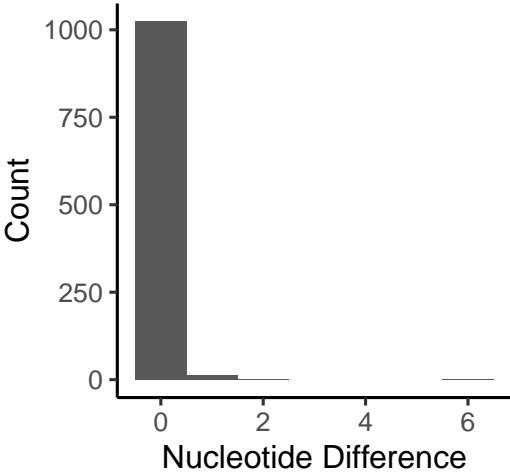
TRBV20-1\*ap01

5719 sequences assigned  
5657 (98.9%) exact matches, in which:  
5592 unique CDR3  
13 unique J



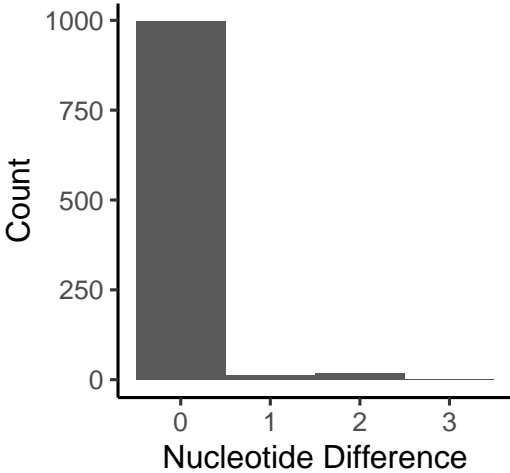
TRBV10-2\*ap01

1039 sequences assigned  
1024 (98.6%) exact matches, in which:  
1004 unique CDR3  
13 unique J



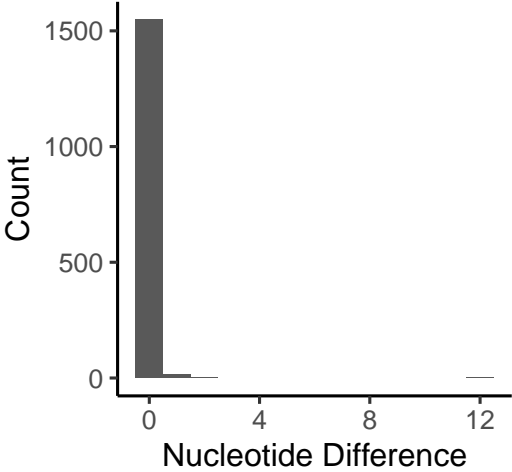
TRBV13\*ap01

1028 sequences assigned  
997 (97%) exact matches, in which:  
984 unique CDR3  
13 unique J



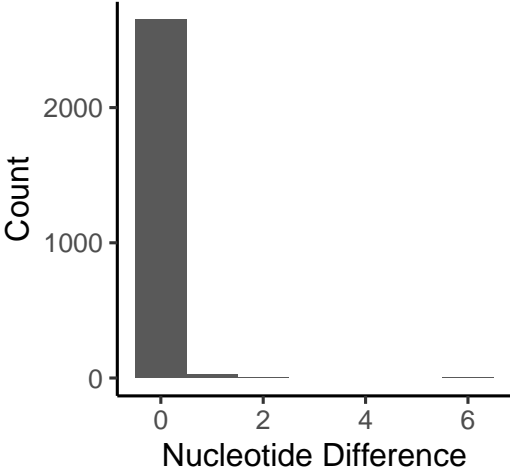
TRBV10-1\*ap01

1567 sequences assigned  
1548 (98.8%) exact matches, in which:  
1527 unique CDR3  
13 unique J



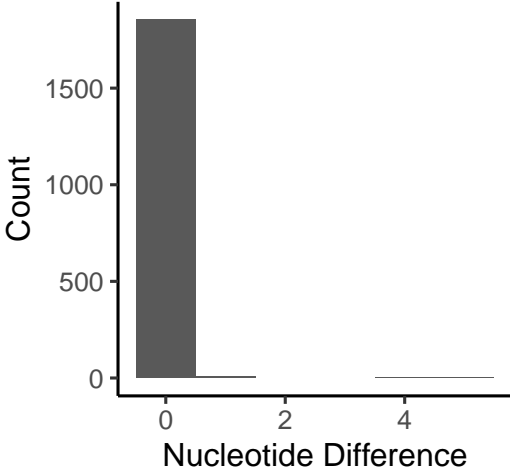
TRBV10-3\*ap01

2675 sequences assigned  
2650 (99.1%) exact matches, in which:  
2605 unique CDR3  
13 unique J



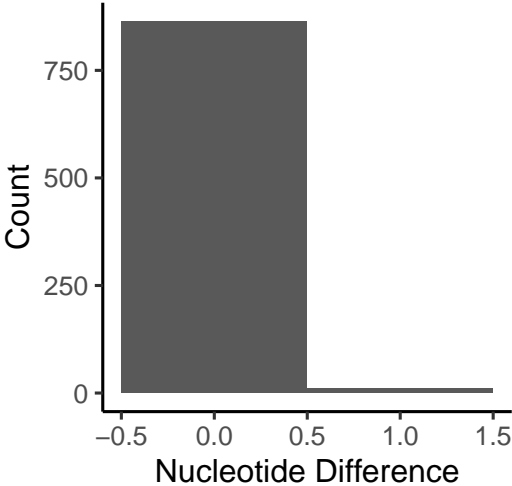
TRBV14\*ap01

1867 sequences assigned  
1854 (99.3%) exact matches, in which:  
1830 unique CDR3  
13 unique J



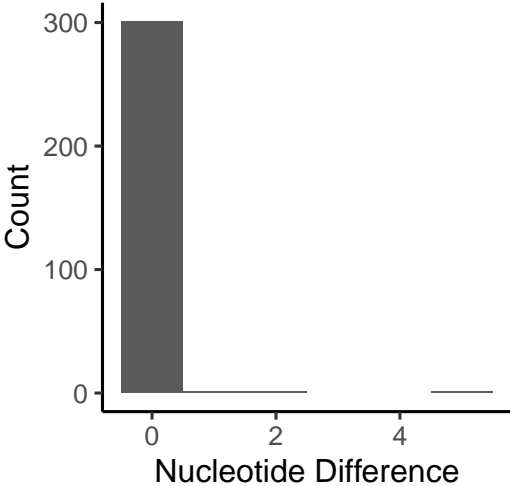
TRBV20-1\*ap02

874 sequences assigned  
864 (98.9%) exact matches, in which:  
859 unique CDR3  
13 unique J



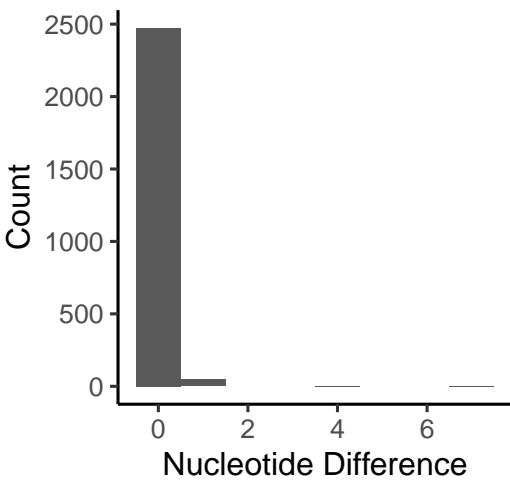
TRBV1\*ap01

304 sequences assigned  
301 (99%) exact matches, in which:  
296 unique CDR3  
13 unique J



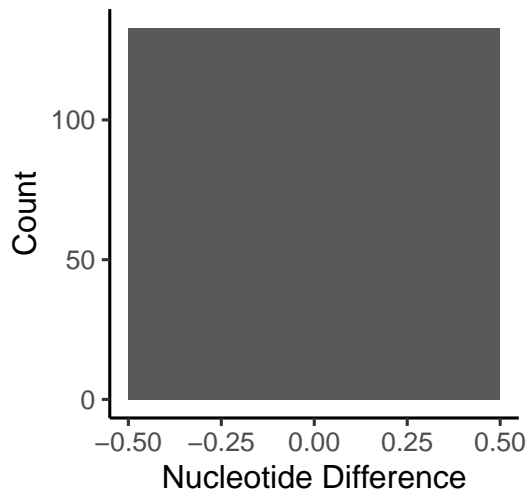
TRBV15\*ap02

2522 sequences assigned  
2473 (98.1%) exact matches, in which:  
2431 unique CDR3  
13 unique J



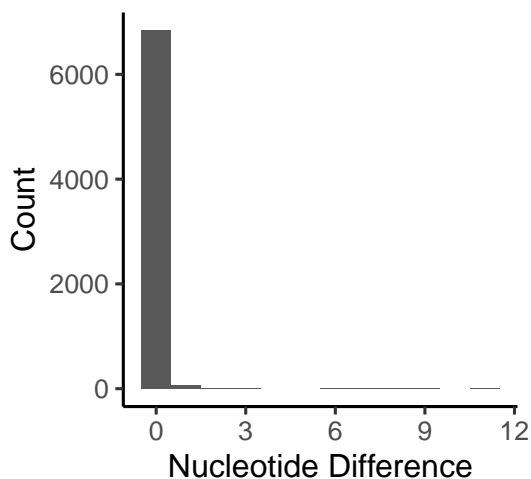
### TRBV16\*ap01

133 sequences assigned  
133 (100%) exact matches, in which:  
132 unique CDR3  
13 unique J



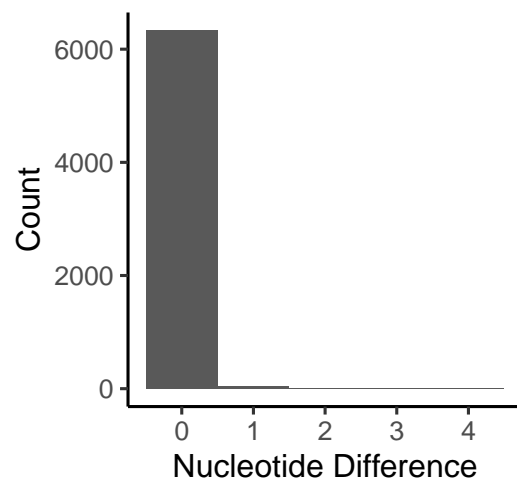
### TRBV19\*ap01

6912 sequences assigned  
6839 (98.9%) exact matches, in which:  
6797 unique CDR3  
14 unique J



### TRBV28\*ap01

6384 sequences assigned  
6332 (99.2%) exact matches, in which:  
6261 unique CDR3  
13 unique J



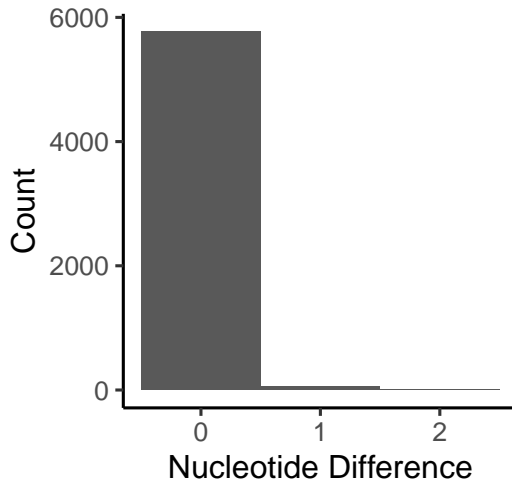
### TRBV17\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



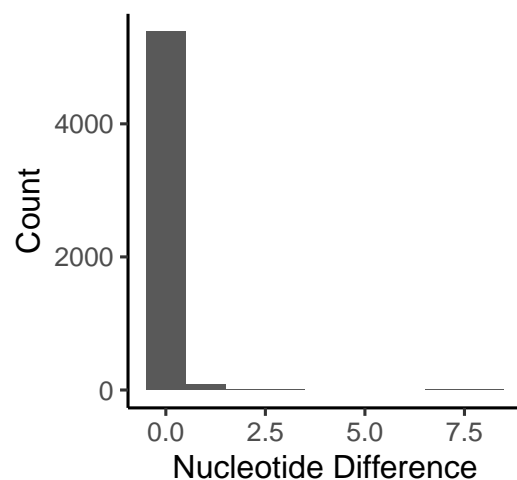
### TRBV2\*ap01

5827 sequences assigned  
5769 (99%) exact matches, in which:  
5686 unique CDR3  
13 unique J



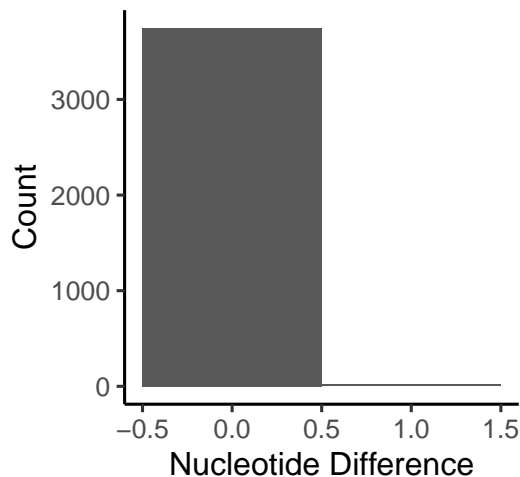
### TRBV30\*ap01

5479 sequences assigned  
5384 (98.3%) exact matches, in which:  
5286 unique CDR3  
13 unique J



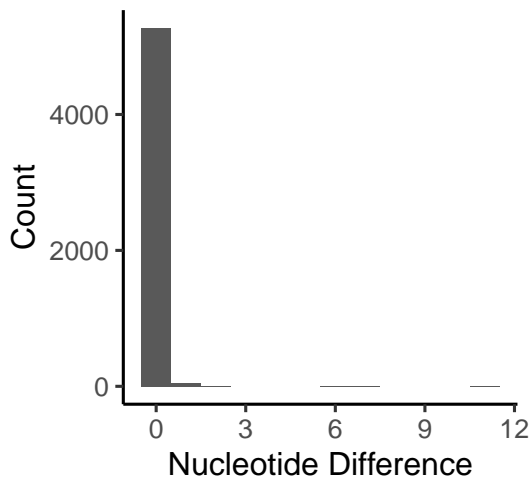
### TRBV18\*ap01

3768 sequences assigned  
3747 (99.4%) exact matches, in which:  
3727 unique CDR3  
13 unique J



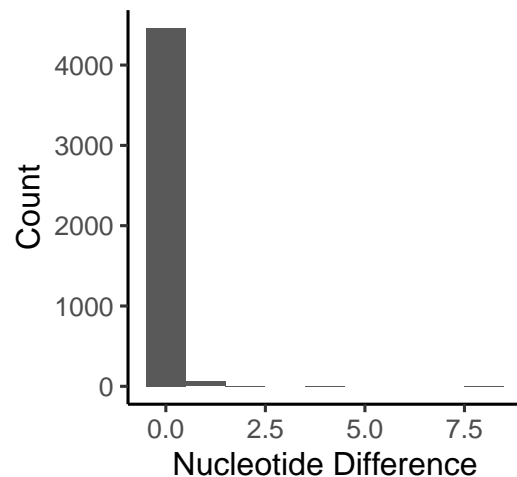
### TRBV27\*ap01

5330 sequences assigned  
5272 (98.9%) exact matches, in which:  
5196 unique CDR3  
13 unique J



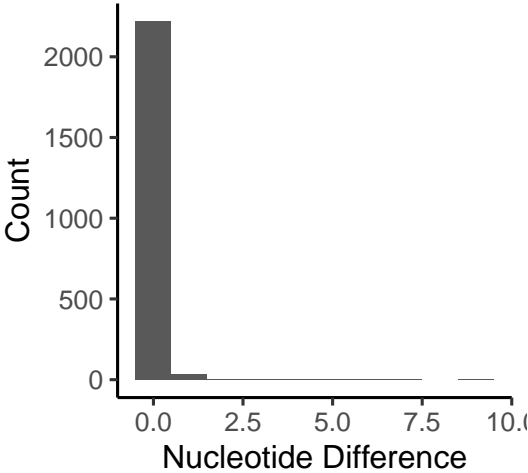
### TRBV9\*ap01

4530 sequences assigned  
4461 (98.5%) exact matches, in which:  
4410 unique CDR3  
13 unique J



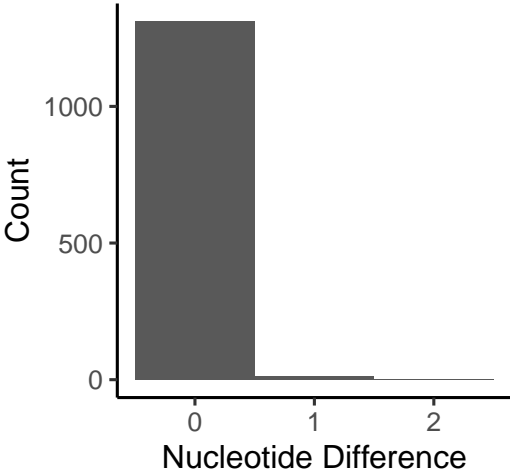
TRBV21-1\*ap01

2263 sequences assigned  
2219 (98.1%) exact matches, in which:  
2208 unique CDR3  
13 unique J



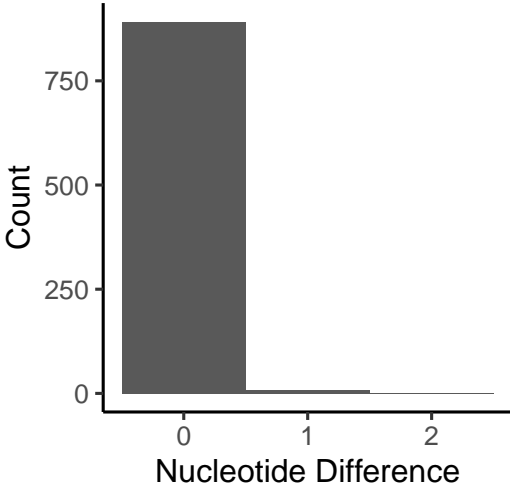
TRBV11-3\*ap01

1323 sequences assigned  
1311 (99.1%) exact matches, in which:  
1303 unique CDR3  
13 unique J



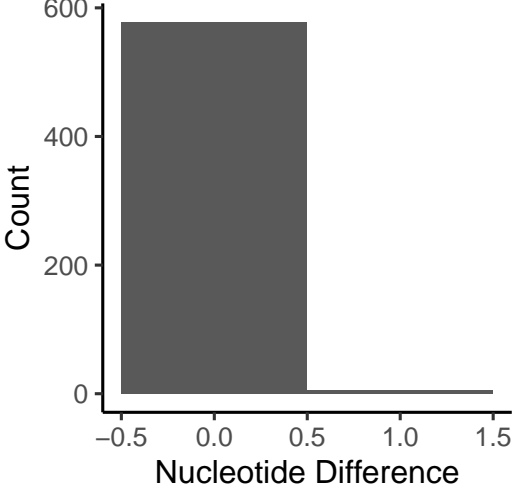
TRBV12-5\*ap01

902 sequences assigned  
892 (98.9%) exact matches, in which:  
881 unique CDR3  
13 unique J



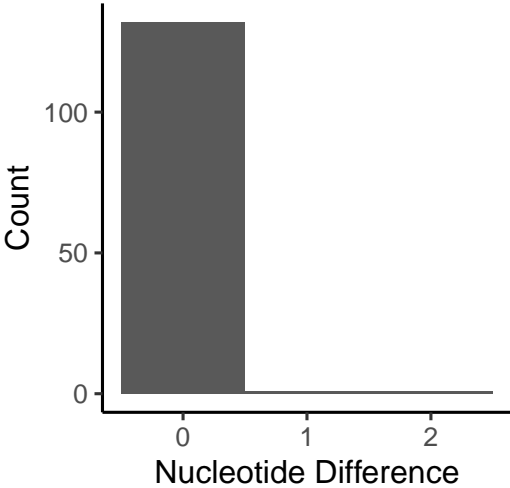
TRBV11-1\*ap01

583 sequences assigned  
578 (99.1%) exact matches, in which:  
572 unique CDR3  
13 unique J



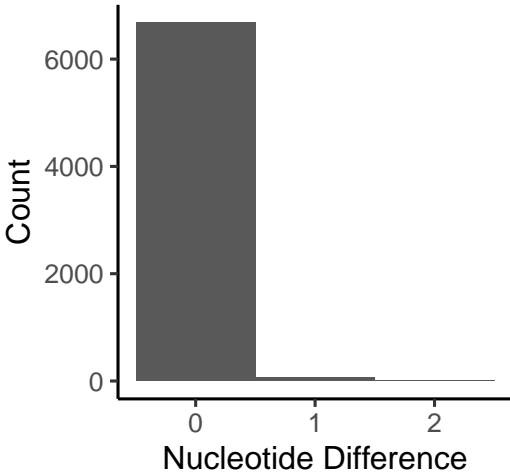
TRBV12-1\*ap01

134 sequences assigned  
132 (98.5%) exact matches, in which:  
129 unique CDR3  
12 unique J



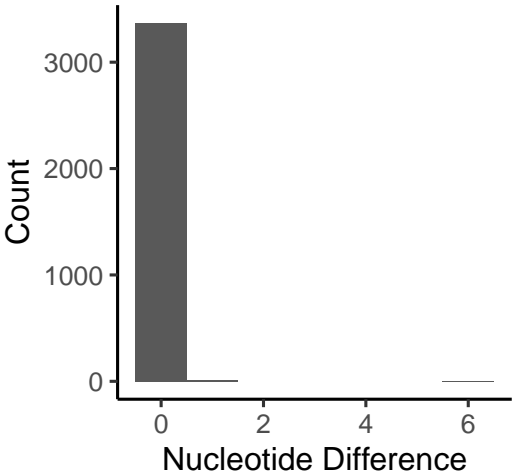
TRBV12-34\*ap01

6752 sequences assigned  
6678 (98.9%) exact matches, in which:  
6591 unique CDR3  
13 unique J



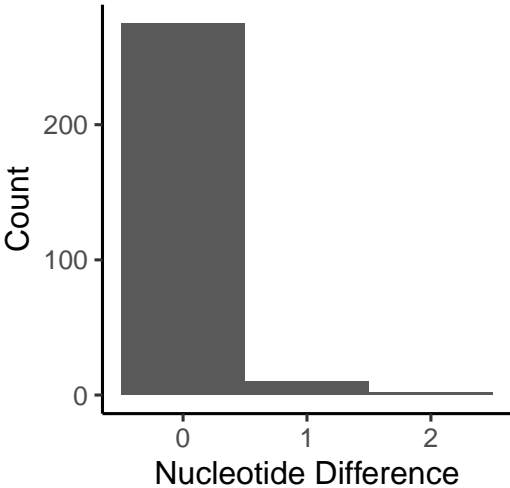
TRBV11-2\*ap01

3383 sequences assigned  
3368 (99.6%) exact matches, in which:  
3337 unique CDR3  
13 unique J



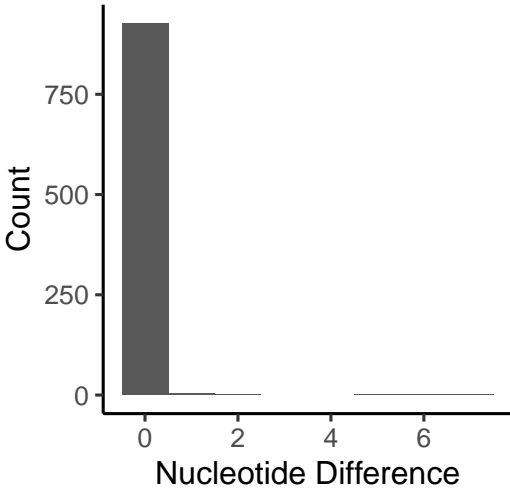
TRBV12-2\*ap01

287 sequences assigned  
275 (95.8%) exact matches, in which:  
270 unique CDR3  
13 unique J



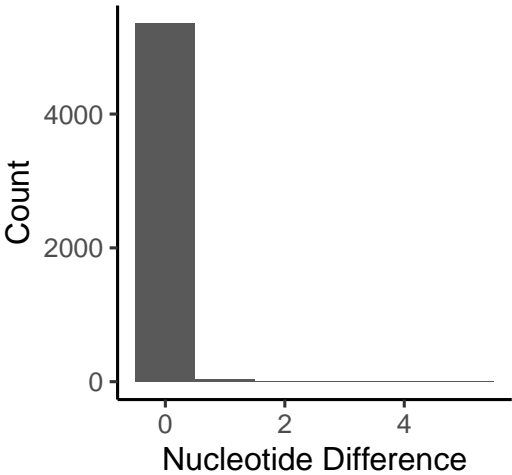
TRBV23-1\*ap01

937 sequences assigned  
927 (98.9%) exact matches, in which:  
917 unique CDR3  
13 unique J



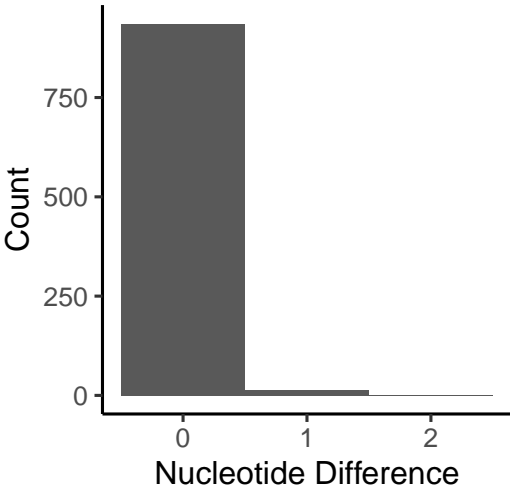
TRBV3-12\*ap01

5399 sequences assigned  
5355 (99.2%) exact matches, in which:  
5310 unique CDR3  
13 unique J



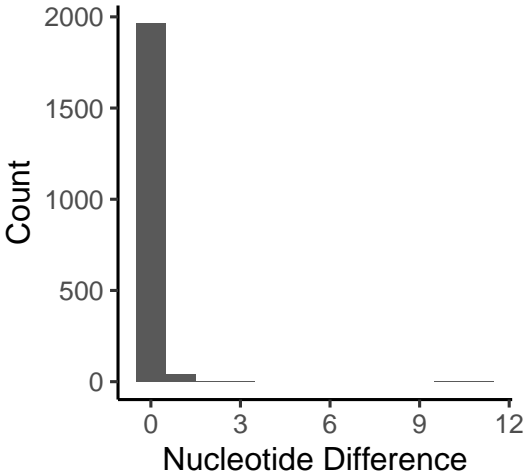
TRBV4-2\*ap01

951 sequences assigned  
936 (98.4%) exact matches, in which:  
917 unique CDR3  
13 unique J



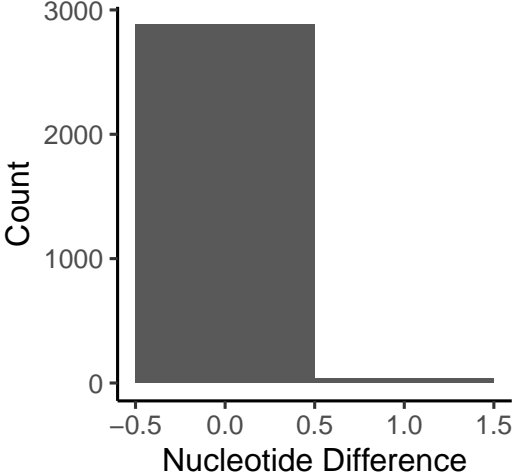
TRBV25-1\*ap01

2009 sequences assigned  
1964 (97.8%) exact matches, in which:  
1917 unique CDR3  
13 unique J



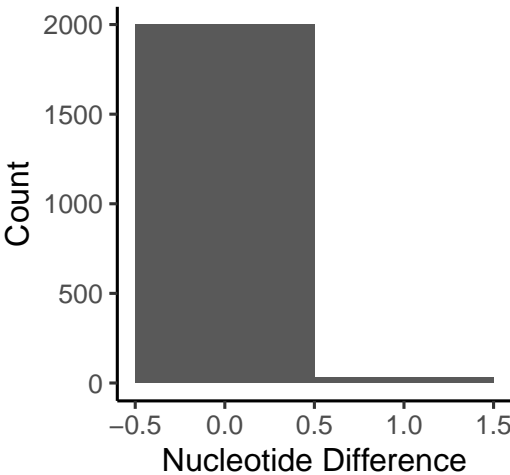
TRBV4-1\*ap01

2918 sequences assigned  
2881 (98.7%) exact matches, in which:  
2840 unique CDR3  
13 unique J



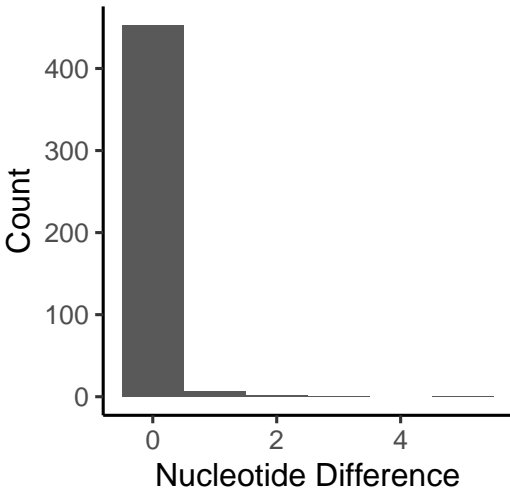
TRBV4-3\*ap01

2027 sequences assigned  
1999 (98.6%) exact matches, in which:  
1964 unique CDR3  
13 unique J



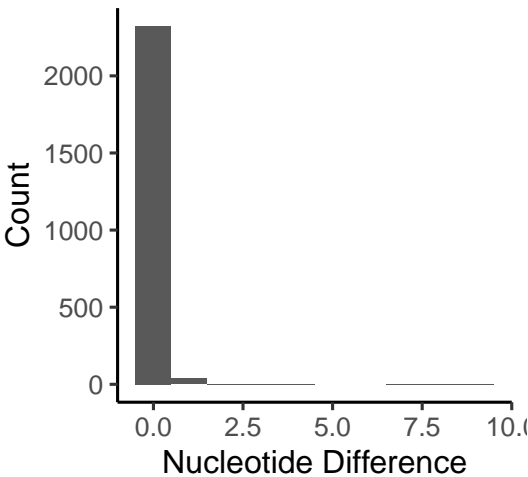
TRBV5-3\*ap01

464 sequences assigned  
453 (97.6%) exact matches, in which:  
448 unique CDR3  
13 unique J



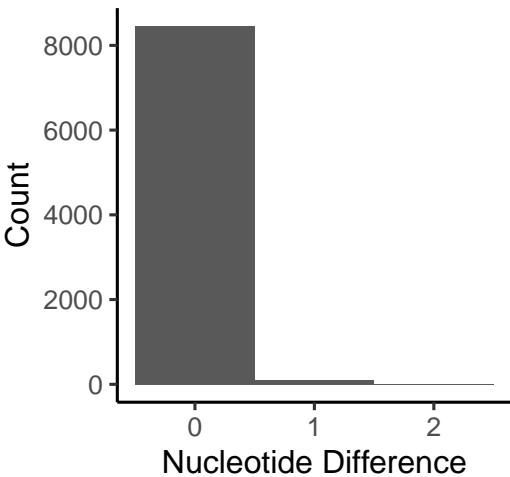
TRBV24-1\*ap01

2368 sequences assigned  
2323 (98.1%) exact matches, in which:  
2293 unique CDR3  
13 unique J



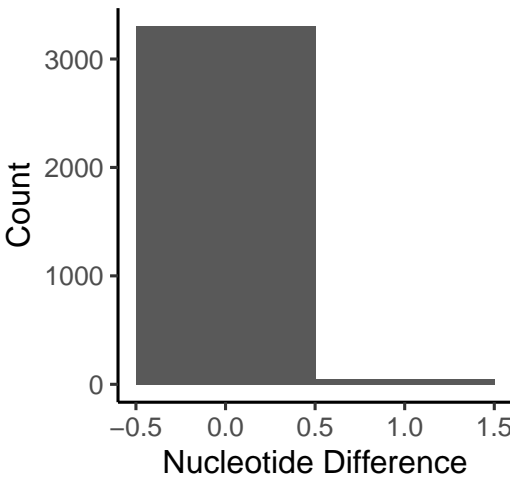
TRBV5-1\*ap01

8555 sequences assigned  
8456 (98.8%) exact matches, in which:  
8303 unique CDR3  
13 unique J



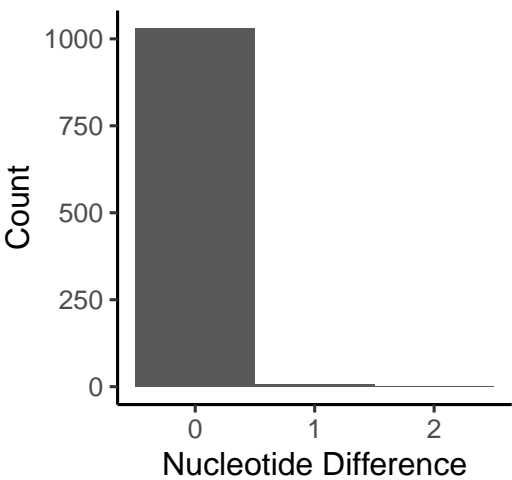
TRBV5-4\*ap01

3354 sequences assigned  
3304 (98.5%) exact matches, in which:  
3247 unique CDR3  
13 unique J



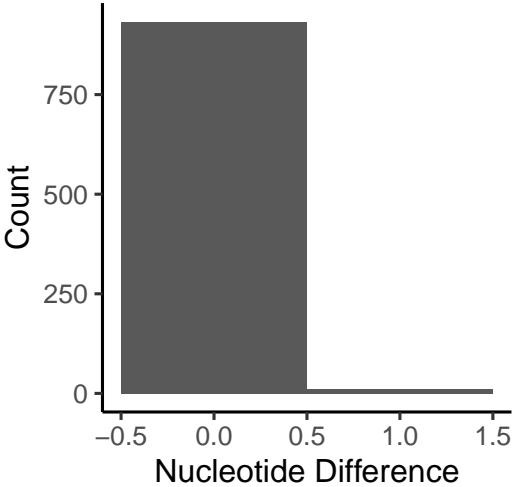
TRBV5-5\*ap01

1039 sequences assigned  
1030 (99.1%) exact matches, in which:  
1025 unique CDR3  
13 unique J



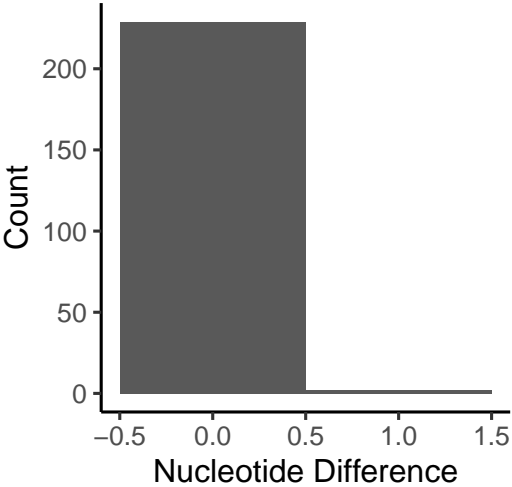
TRBV5-8\*ap01

944 sequences assigned  
933 (98.8%) exact matches, in which:  
922 unique CDR3  
13 unique J



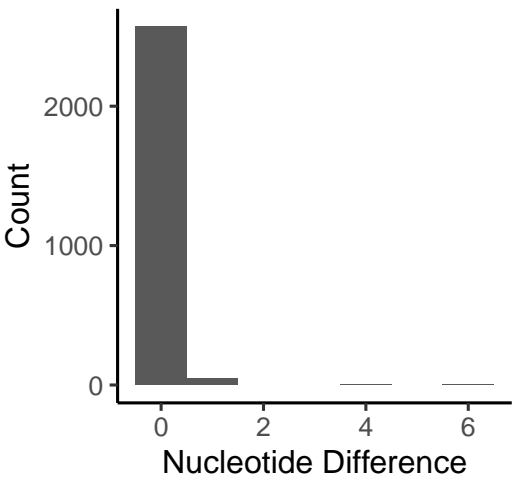
TRBV6-7\*ap01

231 sequences assigned  
229 (99.1%) exact matches, in which:  
224 unique CDR3  
13 unique J



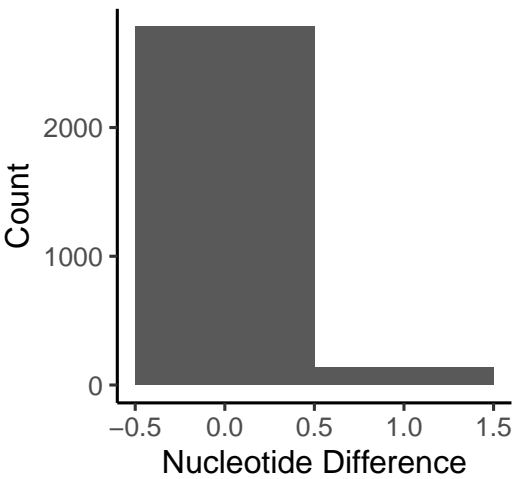
TRBV5-6\*ap01

2616 sequences assigned  
2570 (98.2%) exact matches, in which:  
2510 unique CDR3  
13 unique J



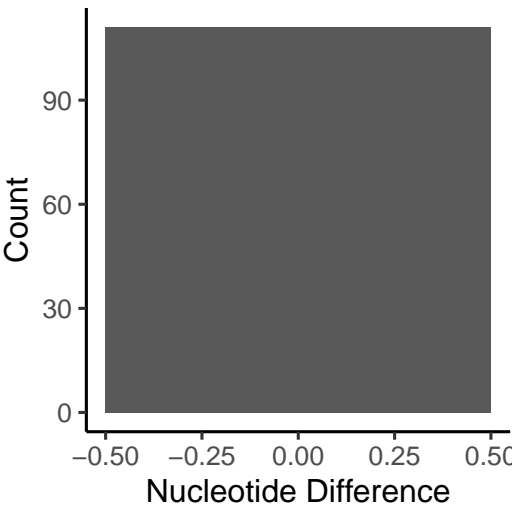
TRBV6-1\*ap01

2916 sequences assigned  
2783 (95.4%) exact matches, in which:  
2731 unique CDR3  
13 unique J



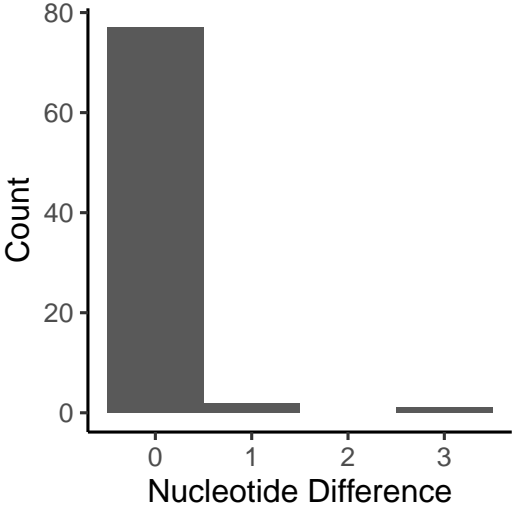
TRBV6-8\*ap01

111 sequences assigned  
111 (100%) exact matches, in which:  
107 unique CDR3  
12 unique J



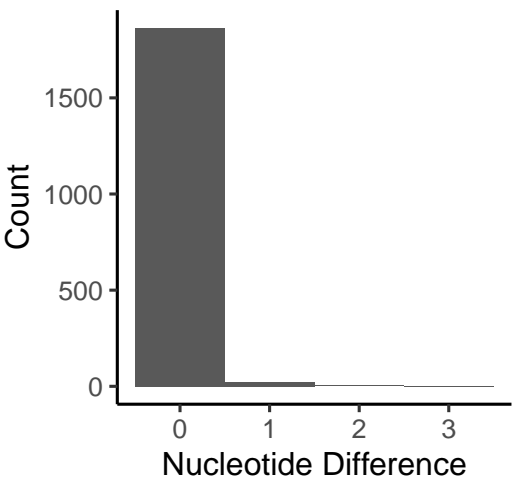
TRBV5-7\*ap01

80 sequences assigned  
77 (96.2%) exact matches, in which:  
73 unique CDR3  
11 unique J



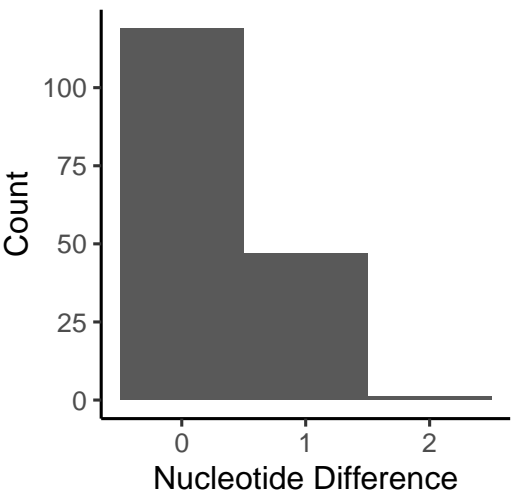
TRBV6-4\*ap01

1889 sequences assigned  
1863 (98.6%) exact matches, in which:  
1846 unique CDR3  
13 unique J



TRBV6-9\*ap01

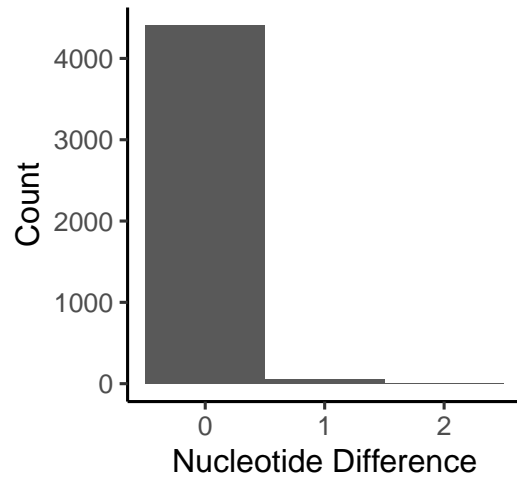
167 sequences assigned  
119 (71.3%) exact matches, in which:  
112 unique CDR3  
12 unique J





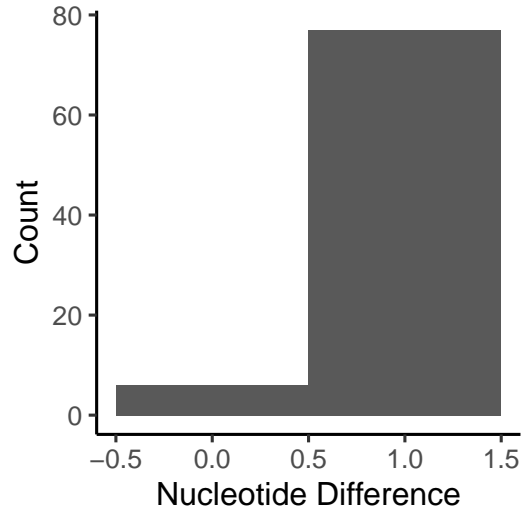
### TRBV6-23\*ap01

4462 sequences assigned  
4406 (98.7%) exact matches, in which:  
4292 unique CDR3  
13 unique J



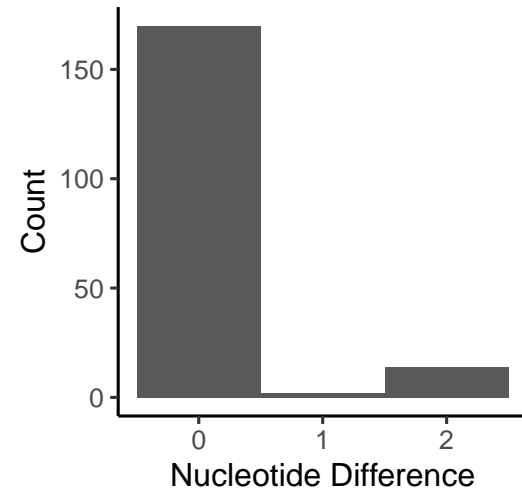
### TRBV7-1\*ap01\_T296C

83 sequences assigned  
6 (7.2%) exact matches, in which:  
6 unique CDR3  
4 unique J



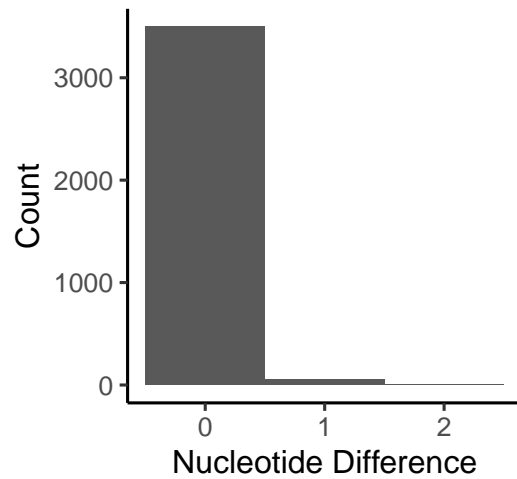
### TRBV7-4\*ap01

186 sequences assigned  
170 (91.4%) exact matches, in which:  
166 unique CDR3  
13 unique J



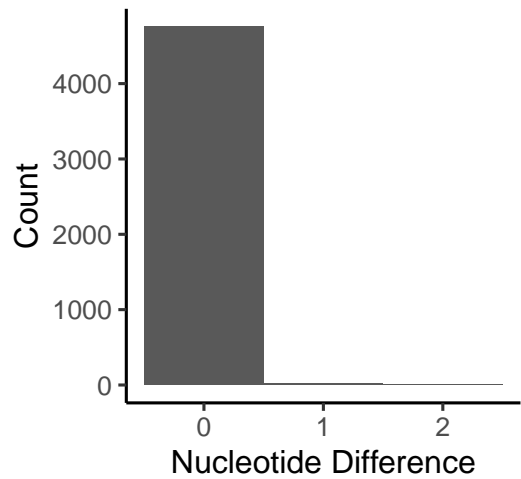
### TRBV6-56\*ap01

3549 sequences assigned  
3498 (98.6%) exact matches, in which:  
3405 unique CDR3  
13 unique J



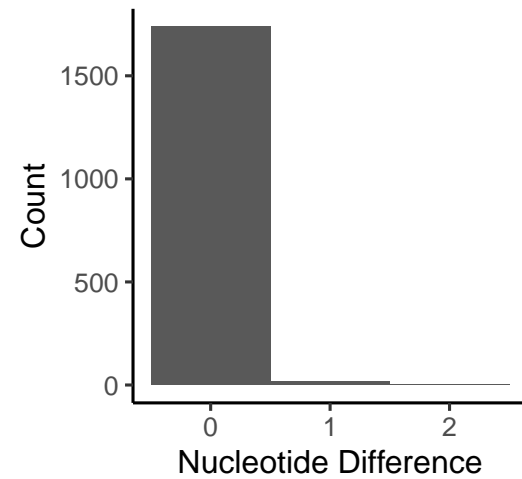
### TRBV7-2\*ap01

4778 sequences assigned  
4755 (99.5%) exact matches, in which:  
4689 unique CDR3  
13 unique J



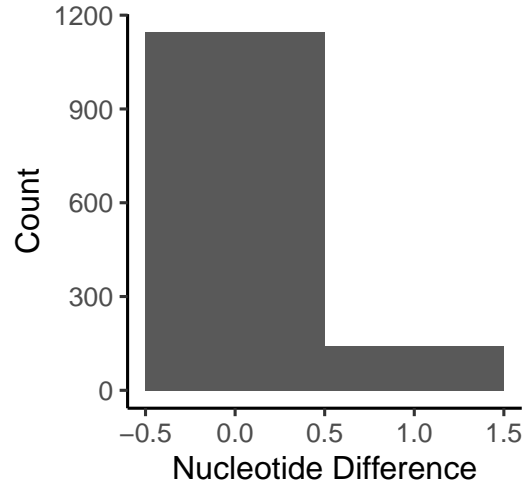
### TRBV7-6\*ap01

1754 sequences assigned  
1738 (99.1%) exact matches, in which:  
1712 unique CDR3  
13 unique J



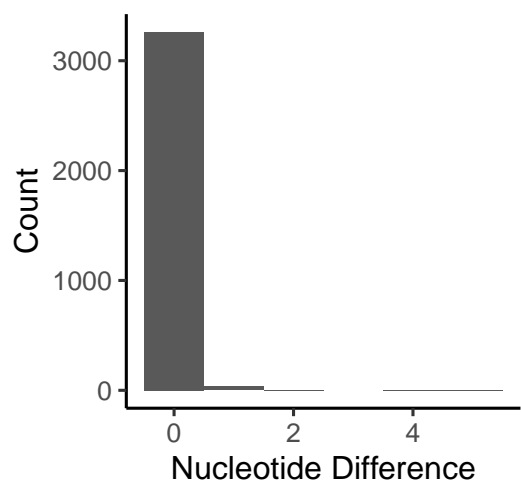
### TRBV6-56\*ap02

1287 sequences assigned  
1146 (89%) exact matches, in which:  
1128 unique CDR3  
13 unique J



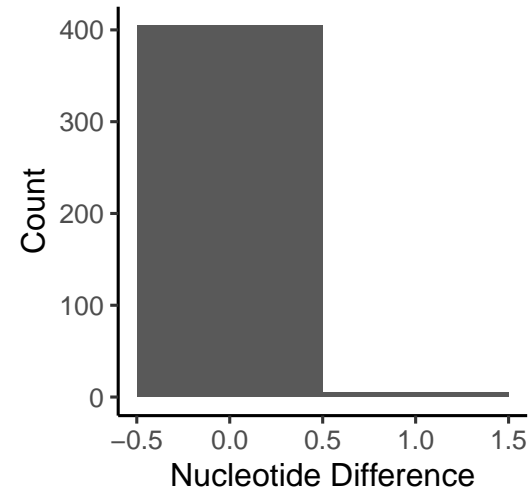
### TRBV7-3\*ap01

3301 sequences assigned  
3261 (98.8%) exact matches, in which:  
3220 unique CDR3  
13 unique J



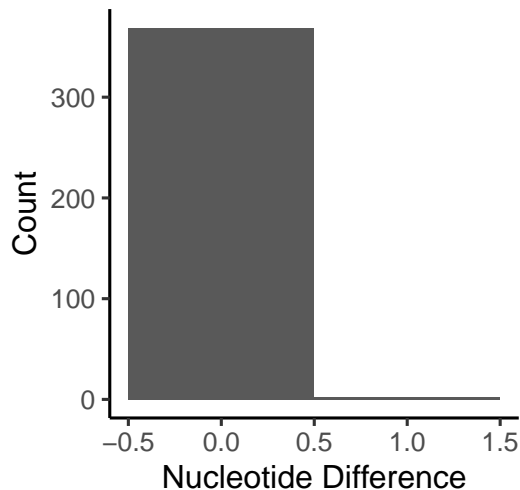
### TRBV7-7\*ap01

410 sequences assigned  
405 (98.8%) exact matches, in which:  
394 unique CDR3  
13 unique J



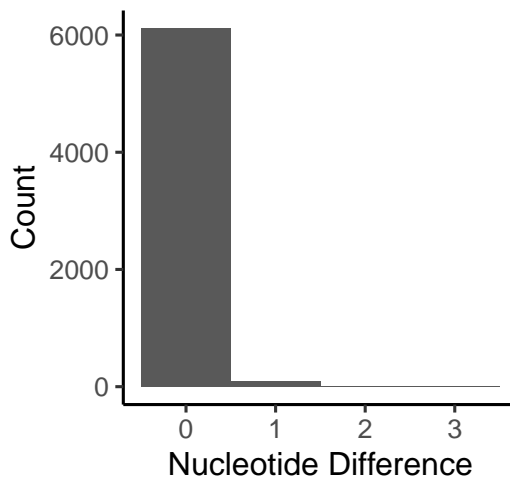
### TRBV7-7\*ap01\_C315T

371 sequences assigned  
369 (99.5%) exact matches, in which:  
366 unique CDR3  
13 unique J



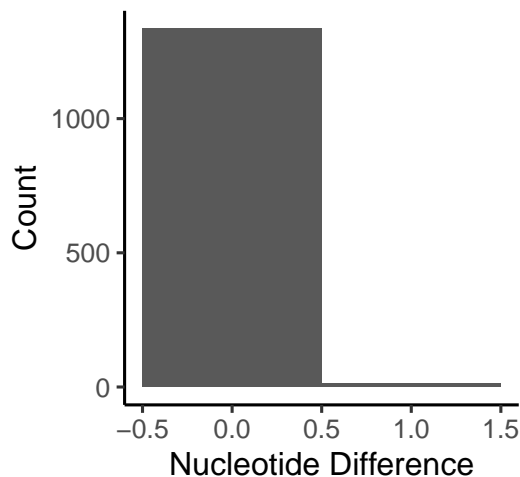
### TRBV7-9\*ap01

6201 sequences assigned  
6113 (98.6%) exact matches, in which:  
6022 unique CDR3  
13 unique J



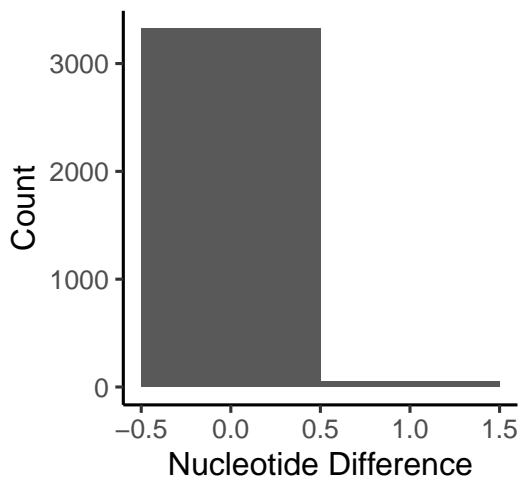
### TRBV7-8\*ap01

1349 sequences assigned  
1335 (99%) exact matches, in which:  
1316 unique CDR3  
13 unique J



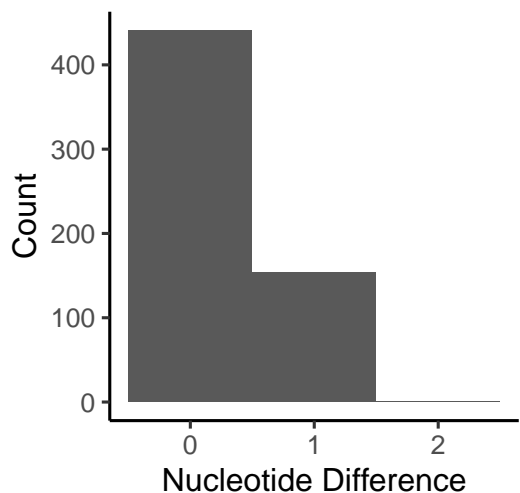
### TRBV29-1\*ap01

3374 sequences assigned  
3323 (98.5%) exact matches, in which:  
3253 unique CDR3  
13 unique J



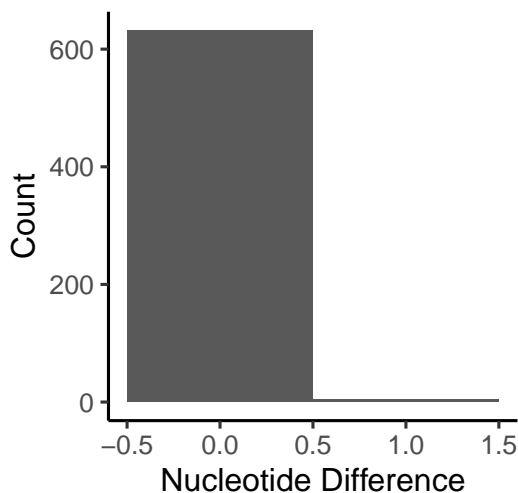
### TRBV7-8\*ap03

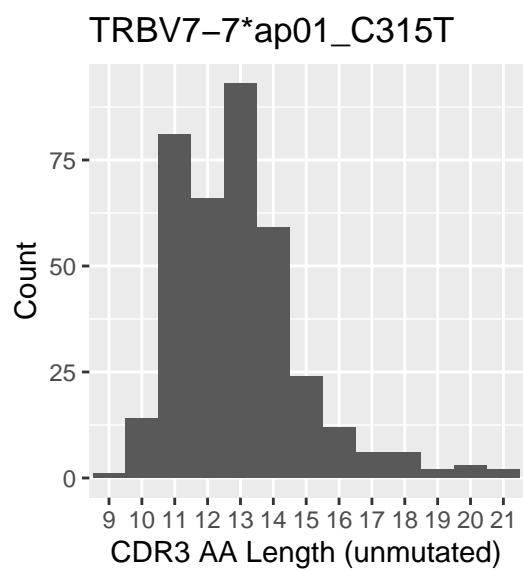
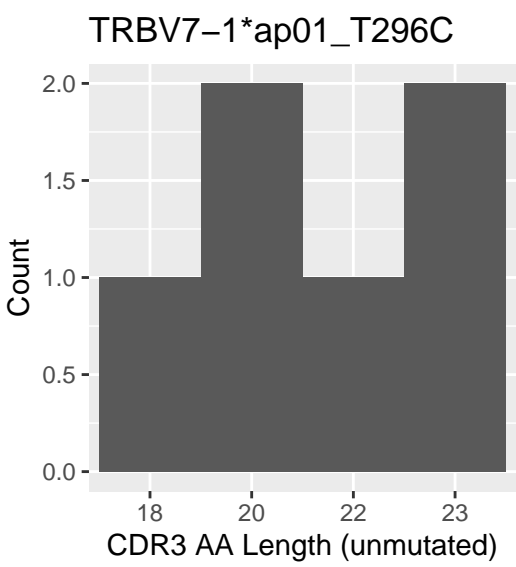
596 sequences assigned  
441 (74%) exact matches, in which:  
434 unique CDR3  
13 unique J



### TRBV29-1\*ap02

636 sequences assigned  
632 (99.4%) exact matches, in which:  
613 unique CDR3  
13 unique J







Warning – no inferred sequences found.

Warning – no inferred sequences found.