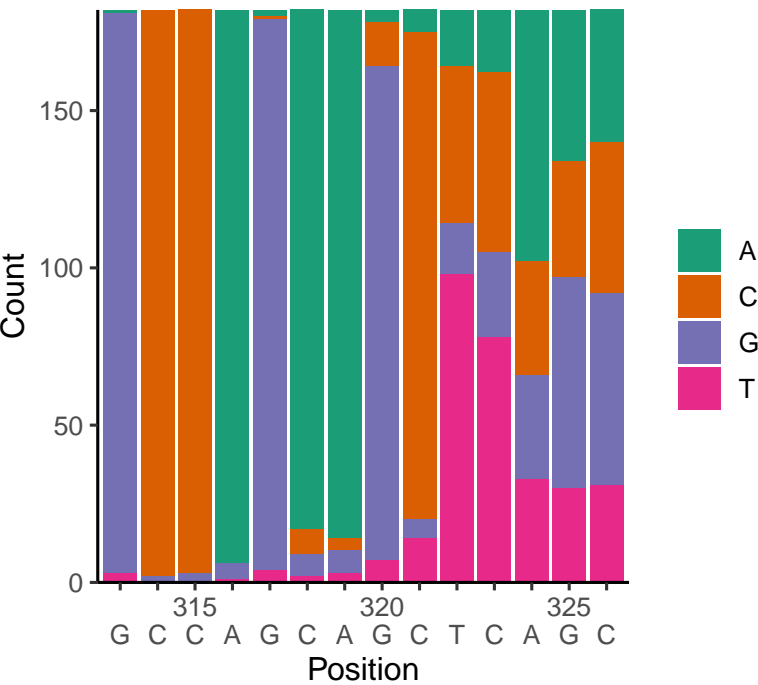


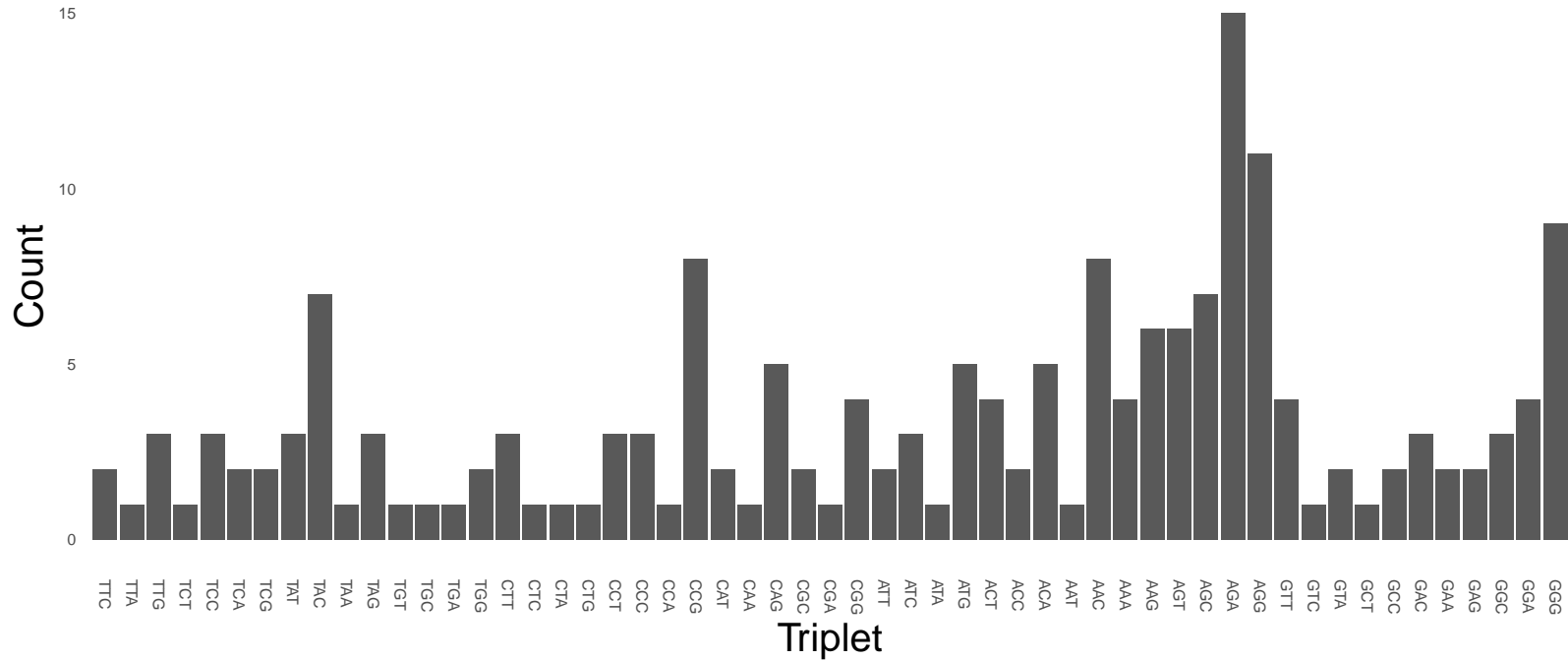
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-1\*ap01\_G291C\_T296C

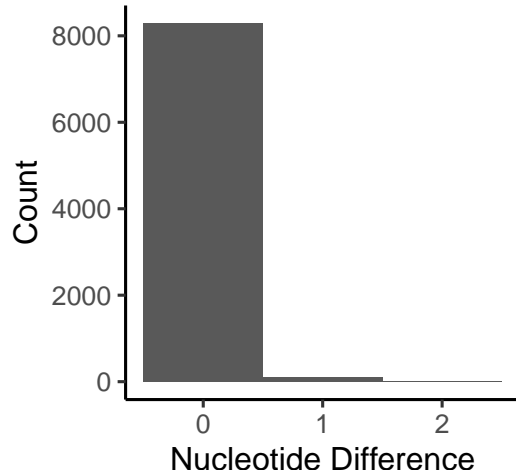


TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet



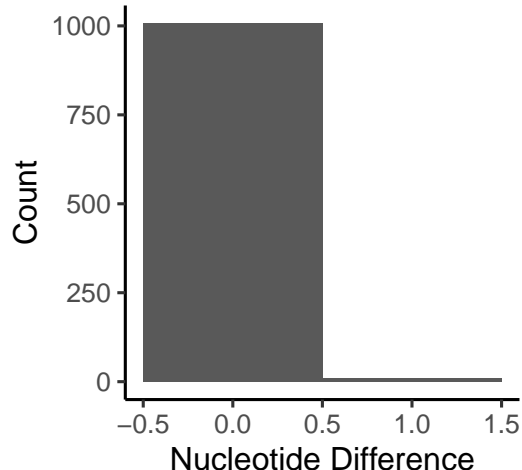
### TRBV20-1\*ap01

8393 sequences assigned  
8287 (98.7%) exact matches, in which:  
8171 unique CDR3  
13 unique J



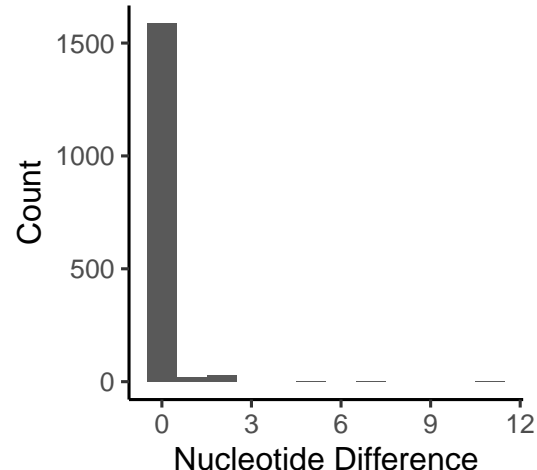
### TRBV10-2\*ap01

1018 sequences assigned  
1007 (98.9%) exact matches, in which:  
984 unique CDR3  
13 unique J



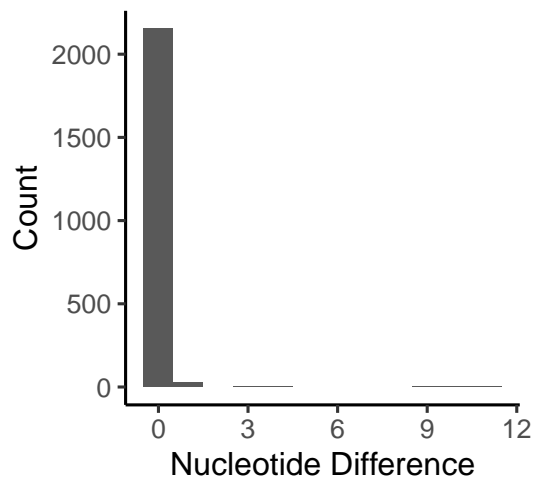
### TRBV13\*ap01

1639 sequences assigned  
1587 (96.8%) exact matches, in which:  
1551 unique CDR3  
13 unique J



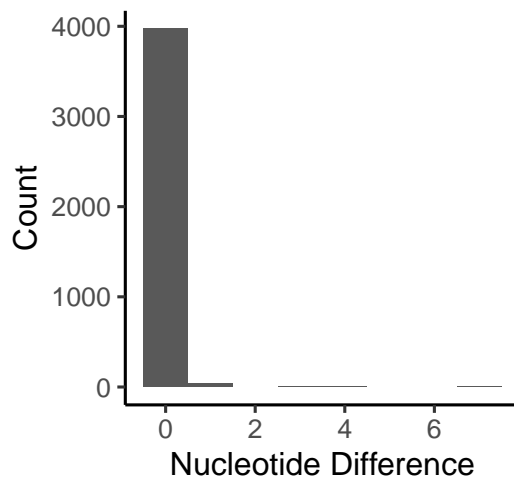
### TRBV10-1\*ap01

2187 sequences assigned  
2153 (98.4%) exact matches, in which:  
2085 unique CDR3  
13 unique J



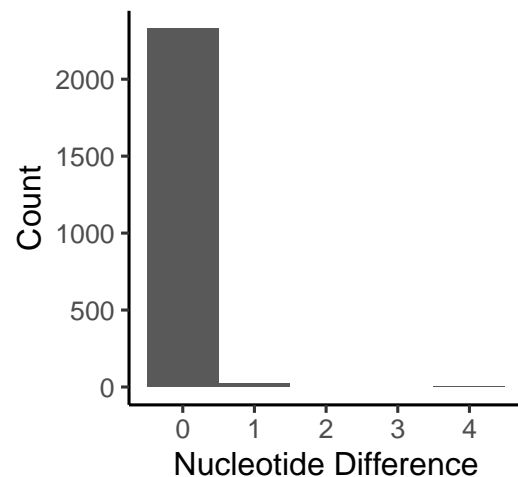
### TRBV10-3\*ap01

4016 sequences assigned  
3973 (98.9%) exact matches, in which:  
3897 unique CDR3  
13 unique J



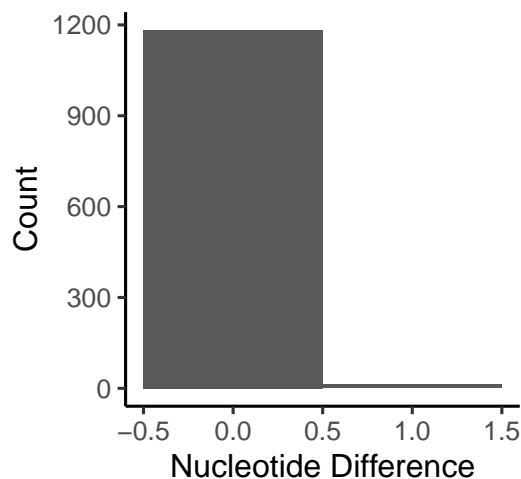
### TRBV14\*ap01

2349 sequences assigned  
2328 (99.1%) exact matches, in which:  
2301 unique CDR3  
13 unique J



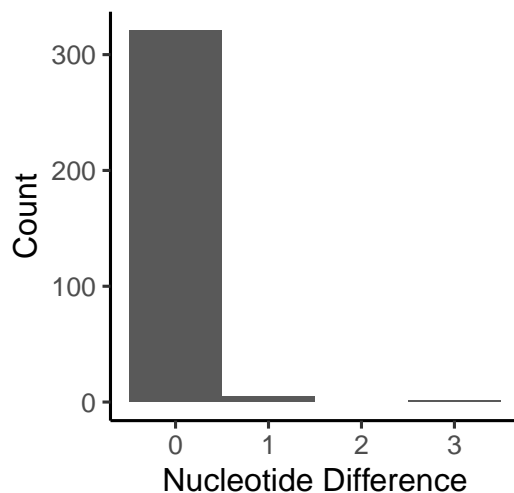
### TRBV20-1\*ap02

1196 sequences assigned  
1183 (98.9%) exact matches, in which:  
1160 unique CDR3  
13 unique J



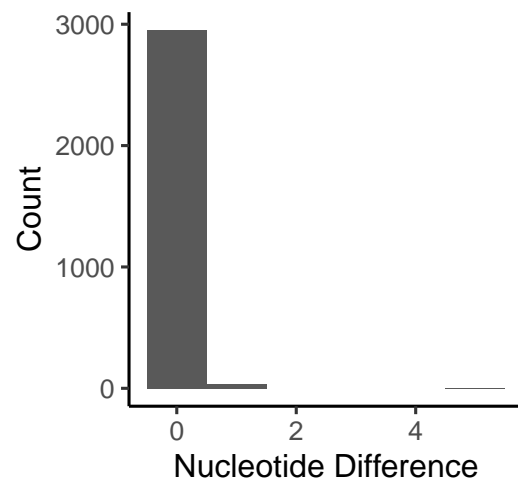
### TRBV1\*ap01

327 sequences assigned  
321 (98.2%) exact matches, in which:  
314 unique CDR3  
13 unique J



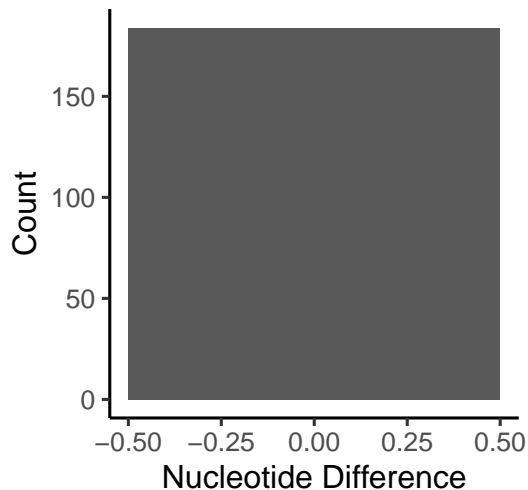
### TRBV15\*ap02

2987 sequences assigned  
2952 (98.8%) exact matches, in which:  
2884 unique CDR3  
13 unique J



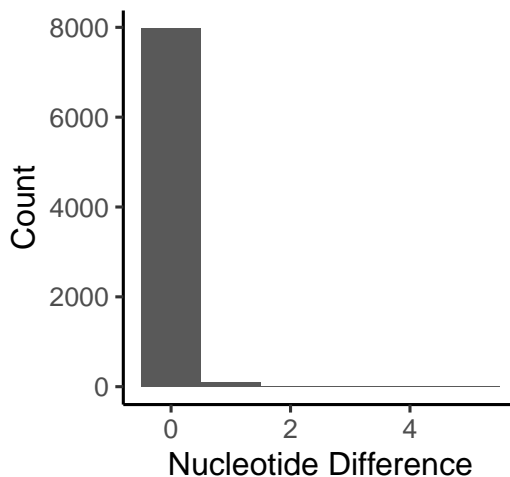
### TRBV16\*ap01

184 sequences assigned  
184 (100%) exact matches, in which:  
181 unique CDR3  
13 unique J



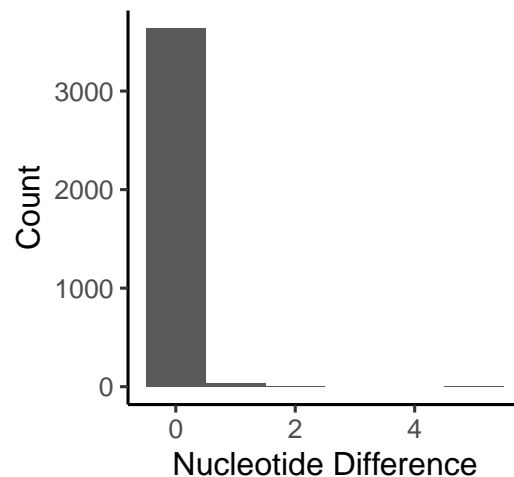
### TRBV2\*ap01

8085 sequences assigned  
7976 (98.7%) exact matches, in which:  
7816 unique CDR3  
13 unique J



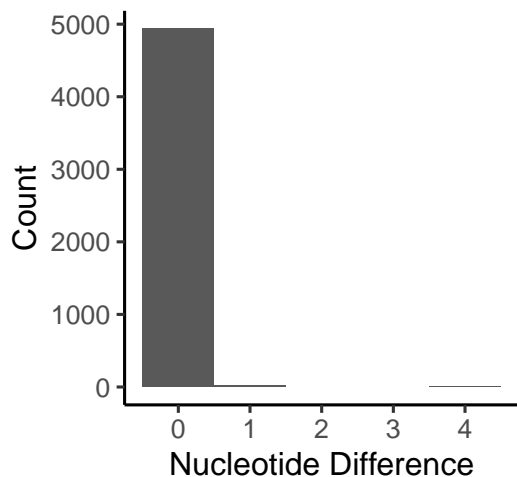
### TRBV30\*ap01

3680 sequences assigned  
3636 (98.8%) exact matches, in which:  
3575 unique CDR3  
13 unique J



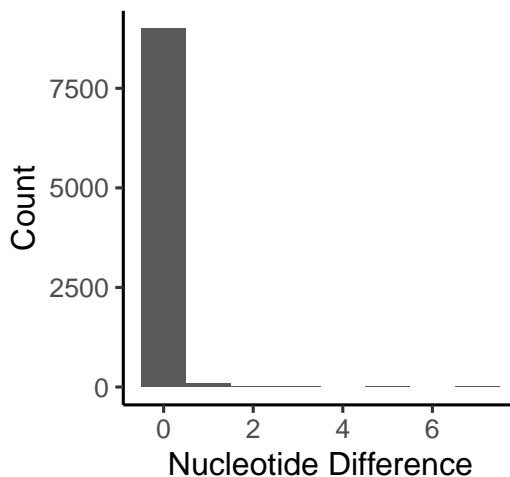
### TRBV18\*ap01

4959 sequences assigned  
4937 (99.6%) exact matches, in which:  
4897 unique CDR3  
13 unique J



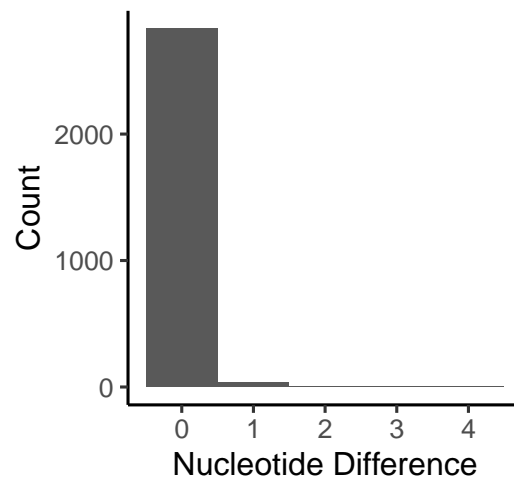
### TRBV27\*ap01

9105 sequences assigned  
8996 (98.8%) exact matches, in which:  
8758 unique CDR3  
13 unique J



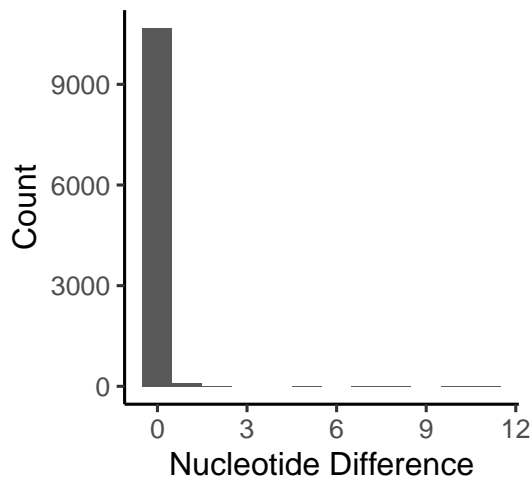
### TRBV30\*ap02

2878 sequences assigned  
2833 (98.4%) exact matches, in which:  
2782 unique CDR3  
13 unique J



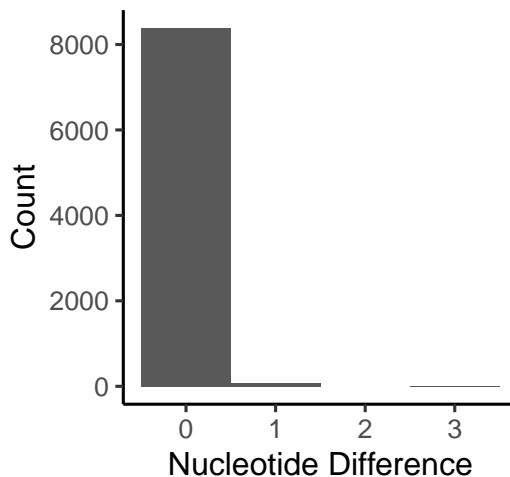
### TRBV19\*ap01

10794 sequences assigned  
10678 (98.9%) exact matches, in which:  
10567 unique CDR3  
14 unique J



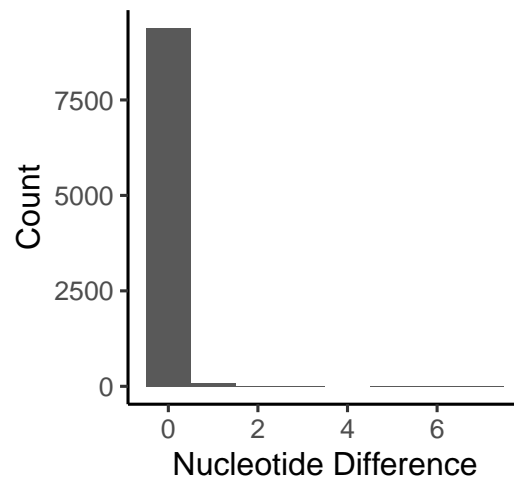
### TRBV28\*ap01

8459 sequences assigned  
8385 (99.1%) exact matches, in which:  
8246 unique CDR3  
13 unique J



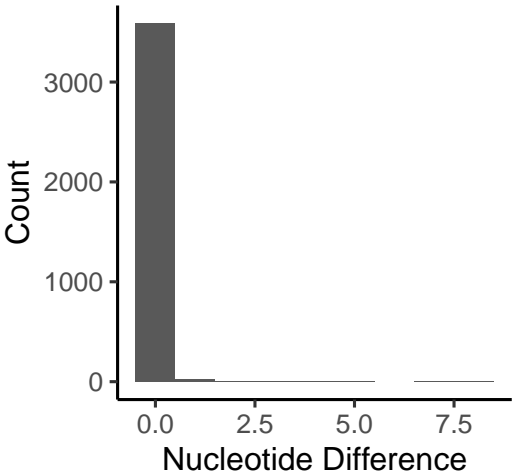
### TRBV9\*ap01

9474 sequences assigned  
9383 (99%) exact matches, in which:  
9240 unique CDR3  
13 unique J



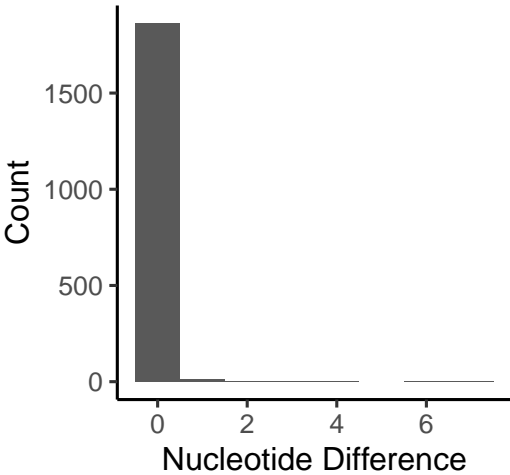
TRBV21-1\*ap01

3625 sequences assigned  
3587 (99%) exact matches, in which:  
3545 unique CDR3  
13 unique J



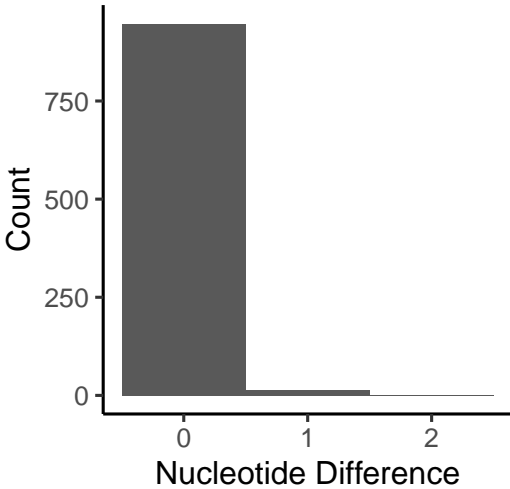
TRBV11-3\*ap01

1880 sequences assigned  
1862 (99%) exact matches, in which:  
1848 unique CDR3  
13 unique J



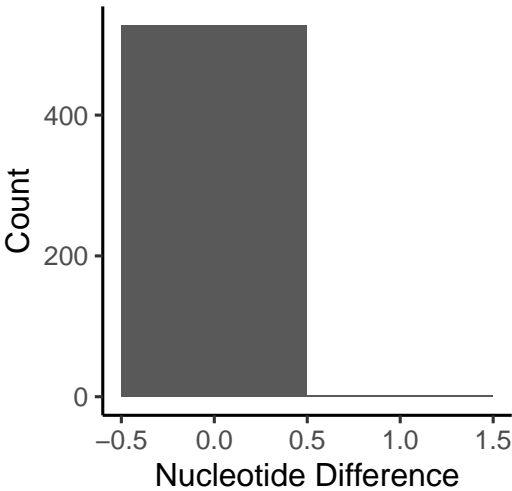
TRBV12-5\*ap01

962 sequences assigned  
947 (98.4%) exact matches, in which:  
932 unique CDR3  
13 unique J



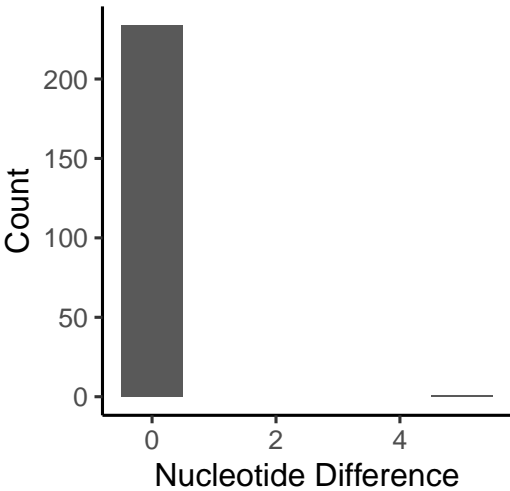
TRBV11-1\*ap01

530 sequences assigned  
528 (99.6%) exact matches, in which:  
525 unique CDR3  
13 unique J



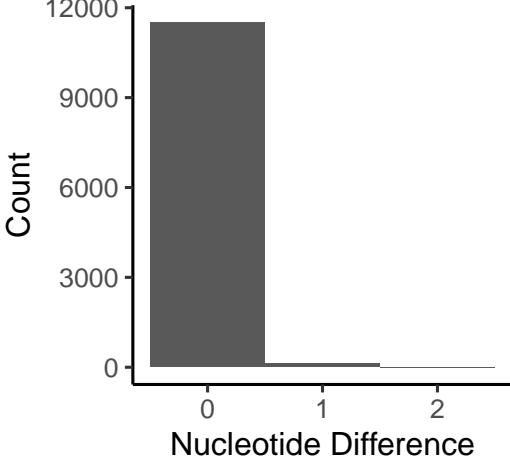
TRBV12-1\*ap01

235 sequences assigned  
234 (99.6%) exact matches, in which:  
232 unique CDR3  
13 unique J



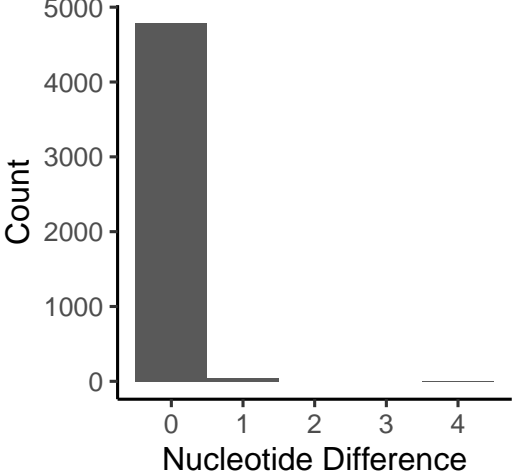
TRBV12-34\*ap01

11635 sequences assigned  
11508 (98.9%) exact matches, in which:  
11296 unique CDR3  
13 unique J



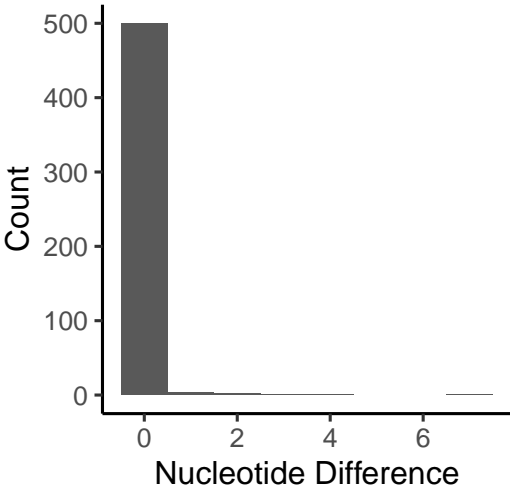
TRBV11-2\*ap01

4835 sequences assigned  
4788 (99%) exact matches, in which:  
4736 unique CDR3  
13 unique J



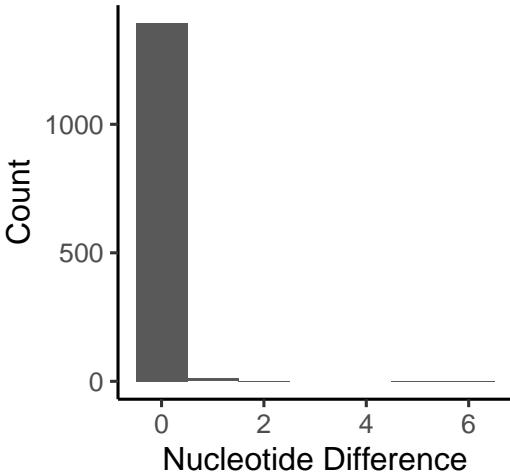
TRBV12-2\*ap01

508 sequences assigned  
500 (98.4%) exact matches, in which:  
496 unique CDR3  
13 unique J



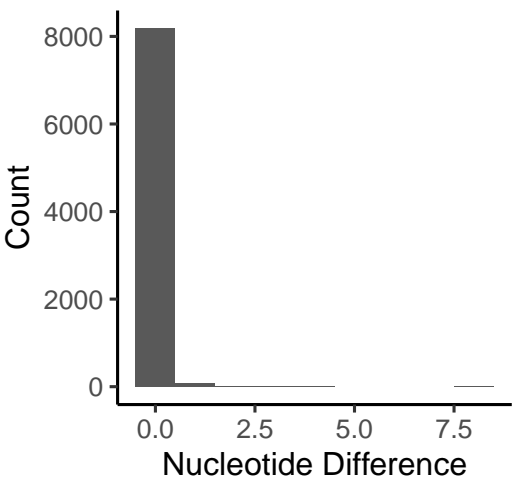
TRBV23-1\*ap01

1408 sequences assigned  
1394 (99%) exact matches, in which:  
1382 unique CDR3  
13 unique J



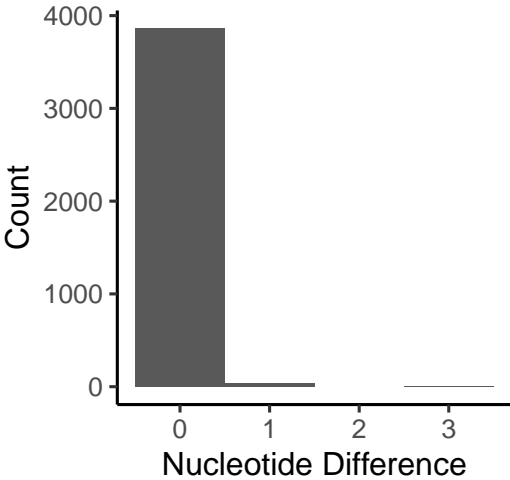
TRBV3-12\*ap01

8281 sequences assigned  
8183 (98.8%) exact matches, in which:  
8019 unique CDR3  
13 unique J



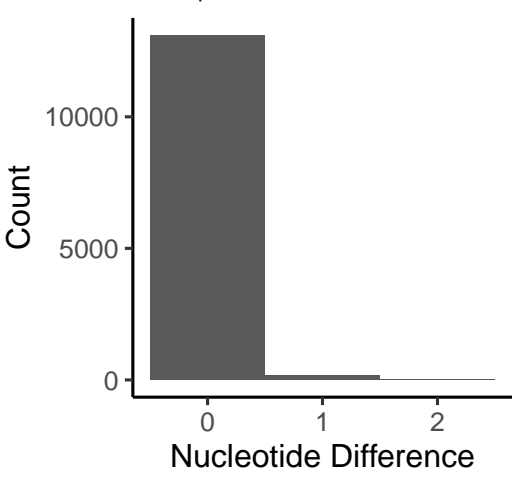
TRBV4-2\*ap01

3901 sequences assigned  
3862 (99%) exact matches, in which:  
3761 unique CDR3  
13 unique J



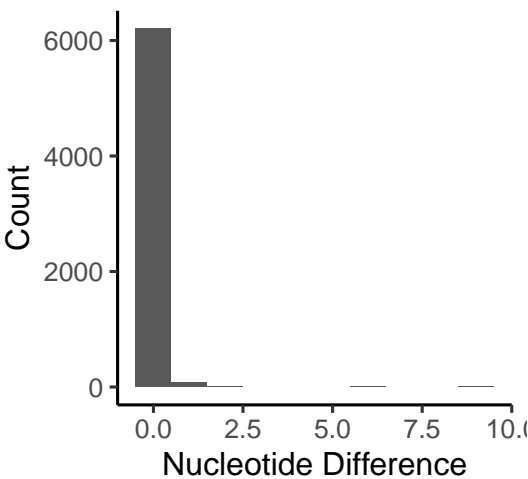
TRBV5-1\*ap01

13266 sequences assigned  
13103 (98.8%) exact matches, in which:  
12763 unique CDR3  
13 unique J



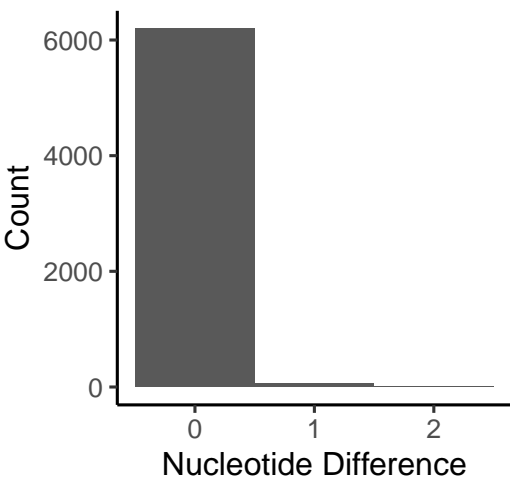
TRBV4-1\*ap01

6281 sequences assigned  
6204 (98.8%) exact matches, in which:  
6058 unique CDR3  
13 unique J



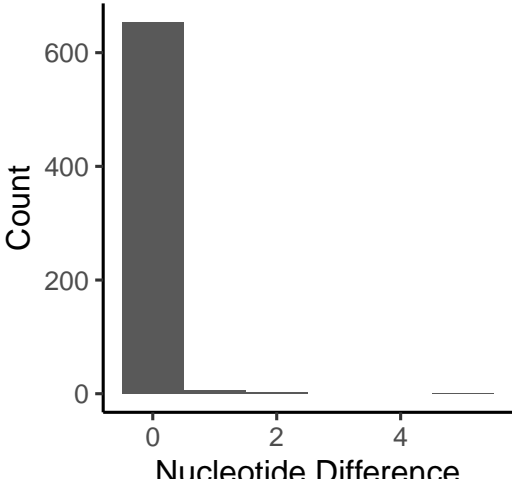
TRBV4-3\*ap01

6265 sequences assigned  
6195 (98.9%) exact matches, in which:  
6064 unique CDR3  
13 unique J



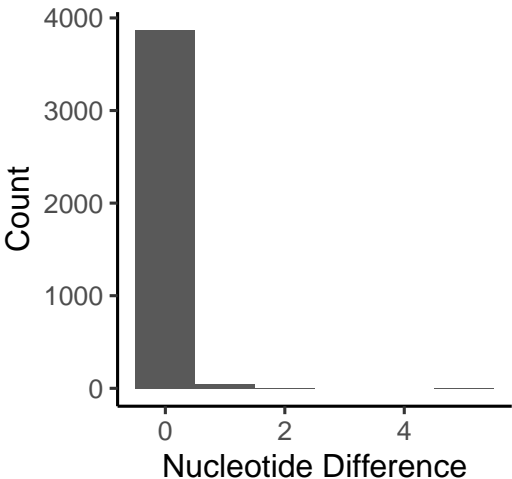
TRBV5-3\*ap01

664 sequences assigned  
654 (98.5%) exact matches, in which:  
643 unique CDR3  
13 unique J



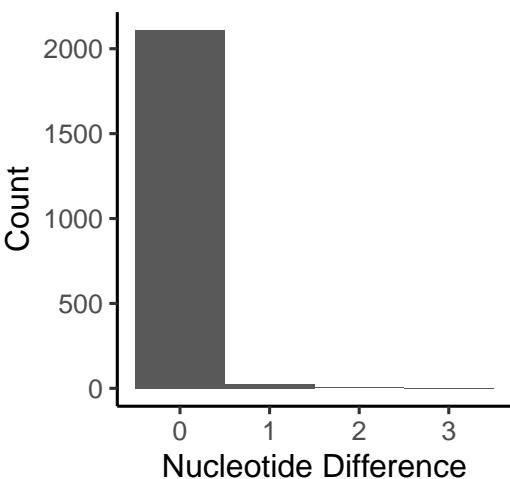
TRBV24-1\*ap01

3920 sequences assigned  
3869 (98.7%) exact matches, in which:  
3805 unique CDR3  
13 unique J



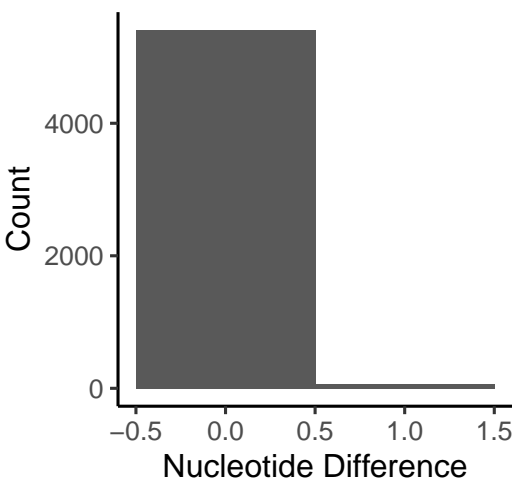
TRBV25-1\*ap01

2142 sequences assigned  
2110 (98.5%) exact matches, in which:  
2073 unique CDR3  
13 unique J



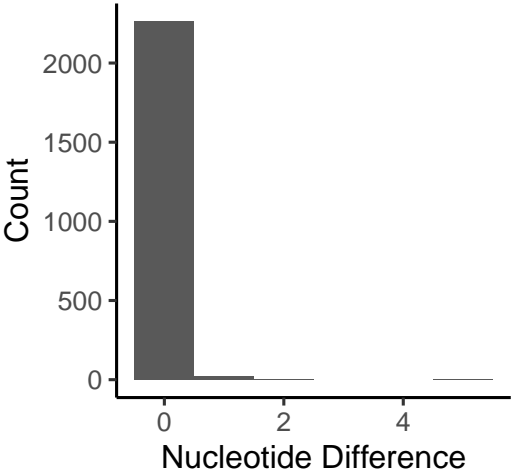
TRBV5-4\*ap01

5473 sequences assigned  
5407 (98.8%) exact matches, in which:  
5293 unique CDR3  
13 unique J



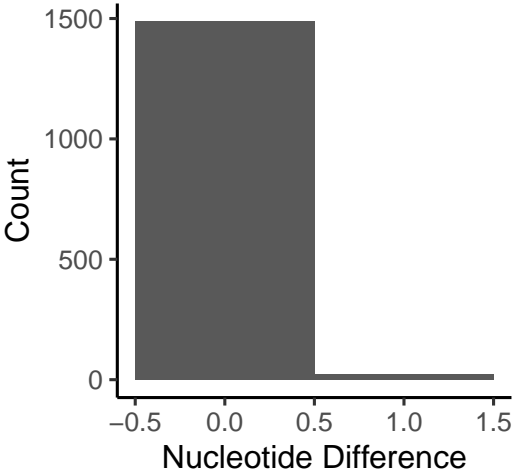
TRBV5-5\*ap01

2285 sequences assigned  
2263 (99%) exact matches, in which:  
2231 unique CDR3  
13 unique J



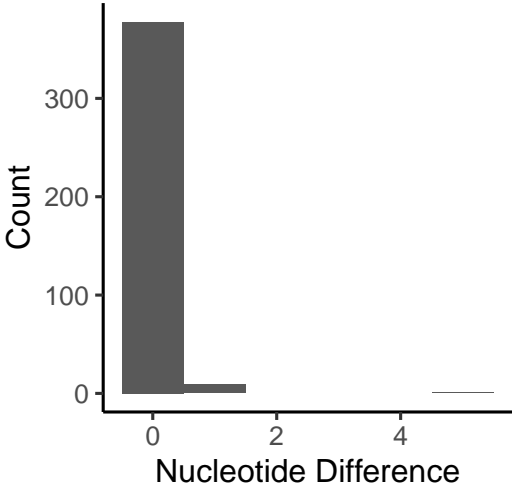
TRBV5-8\*ap01

1509 sequences assigned  
1488 (98.6%) exact matches, in which:  
1471 unique CDR3  
13 unique J



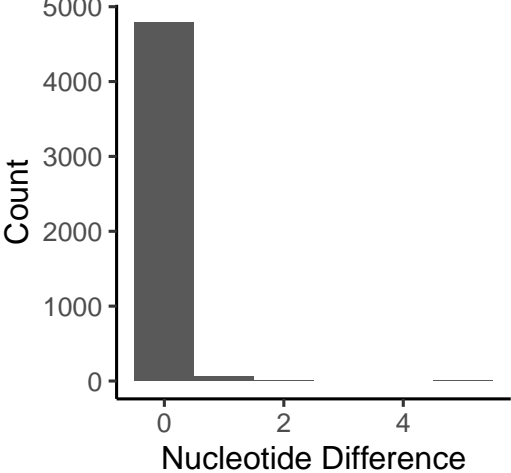
TRBV6-7\*ap01

388 sequences assigned  
378 (97.4%) exact matches, in which:  
366 unique CDR3  
13 unique J



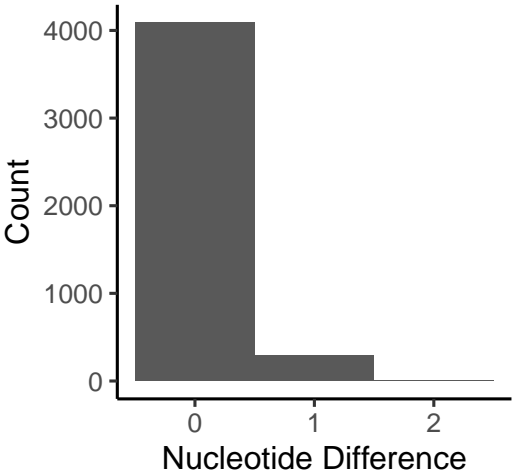
TRBV5-6\*ap01

4844 sequences assigned  
4786 (98.8%) exact matches, in which:  
4649 unique CDR3  
13 unique J



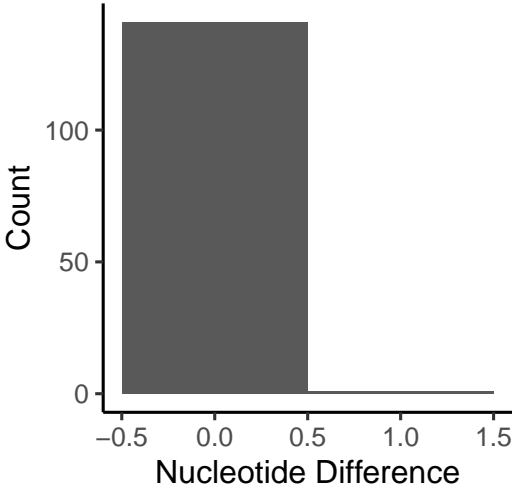
TRBV6-1\*ap01

4375 sequences assigned  
4088 (93.4%) exact matches, in which:  
3999 unique CDR3  
13 unique J



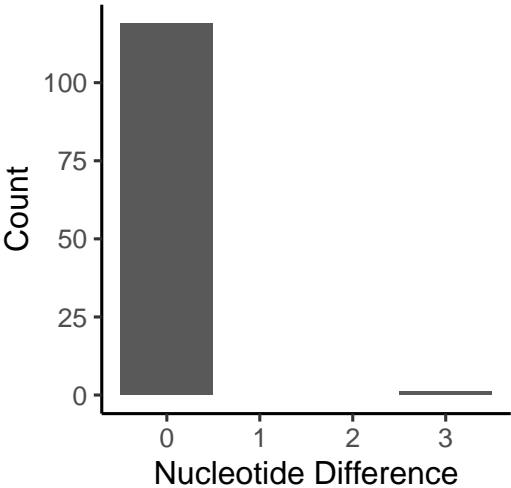
TRBV6-8\*ap01

142 sequences assigned  
141 (99.3%) exact matches, in which:  
140 unique CDR3  
13 unique J



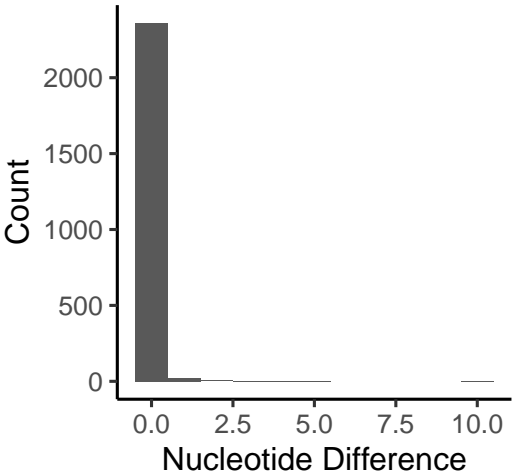
TRBV5-7\*ap01

120 sequences assigned  
119 (99.2%) exact matches, in which:  
117 unique CDR3  
13 unique J



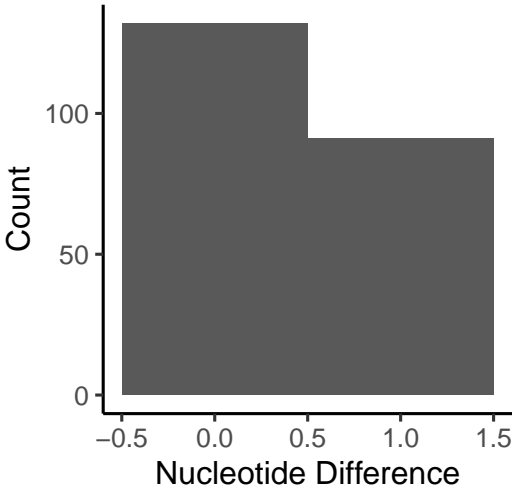
TRBV6-4\*ap01

2393 sequences assigned  
2360 (98.6%) exact matches, in which:  
2334 unique CDR3  
13 unique J



TRBV6-9\*ap01

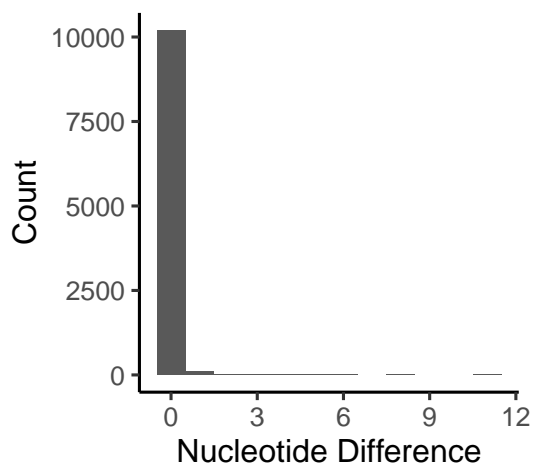
223 sequences assigned  
132 (59.2%) exact matches, in which:  
128 unique CDR3  
13 unique J





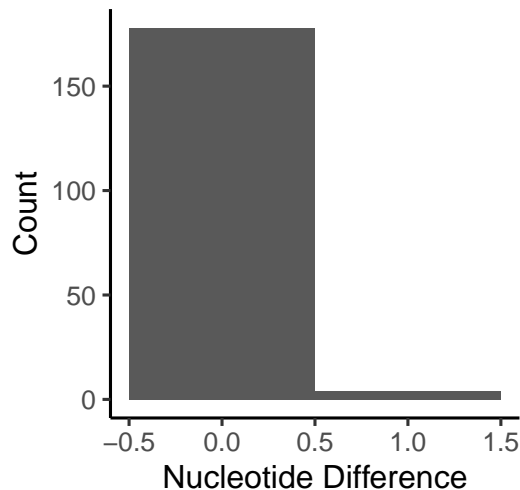
### TRBV6-23\*ap01

10311 sequences assigned  
10203 (99%) exact matches, in which:  
9917 unique CDR3  
13 unique J



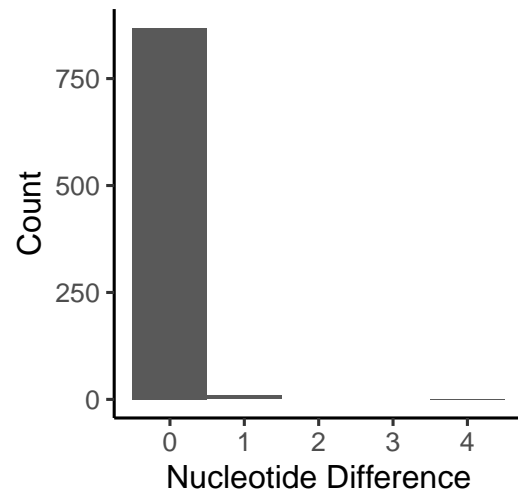
### TRBV7-1\*ap01\_G291C\_

182 sequences assigned  
178 (97.8%) exact matches, in which:  
177 unique CDR3  
13 unique J



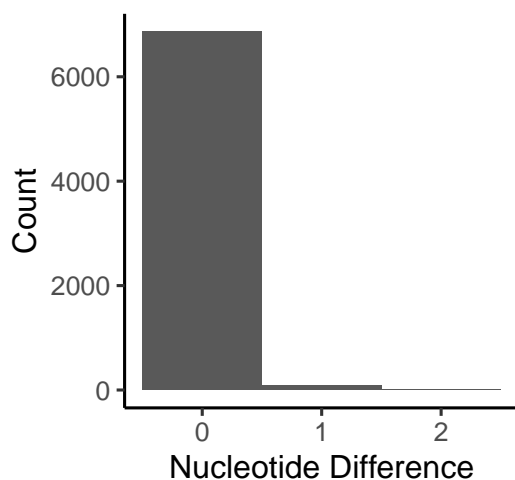
### TRBV7-3\*ap02

879 sequences assigned  
869 (98.9%) exact matches, in which:  
859 unique CDR3  
14 unique J



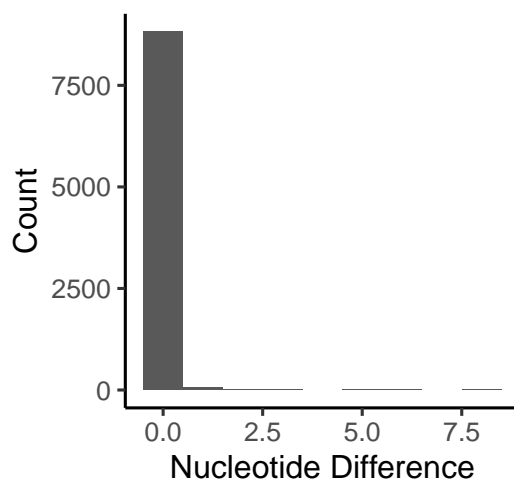
### TRBV6-56\*ap01

6943 sequences assigned  
6863 (98.8%) exact matches, in which:  
6675 unique CDR3  
13 unique J



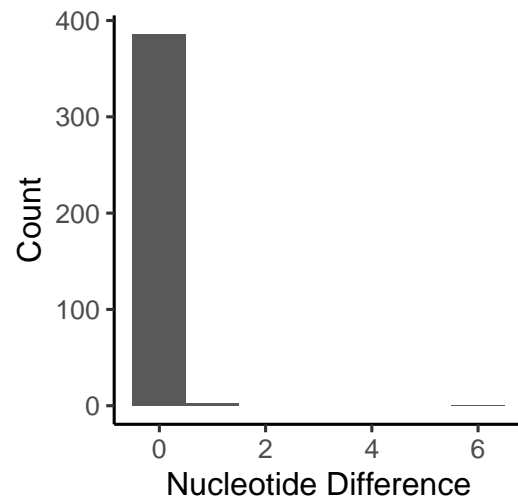
### TRBV7-2\*ap01

8900 sequences assigned  
8820 (99.1%) exact matches, in which:  
8694 unique CDR3  
13 unique J



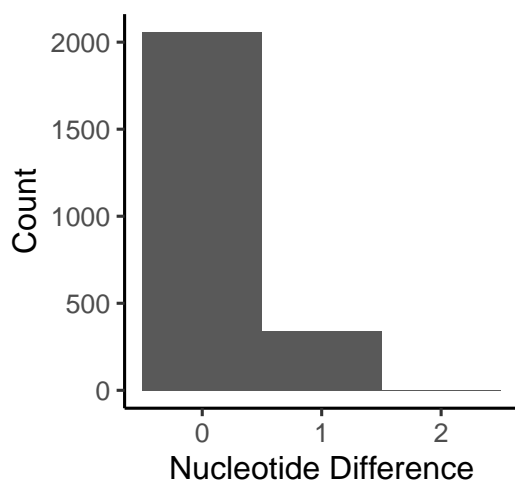
### TRBV7-4\*ap01

390 sequences assigned  
386 (99%) exact matches, in which:  
376 unique CDR3  
13 unique J



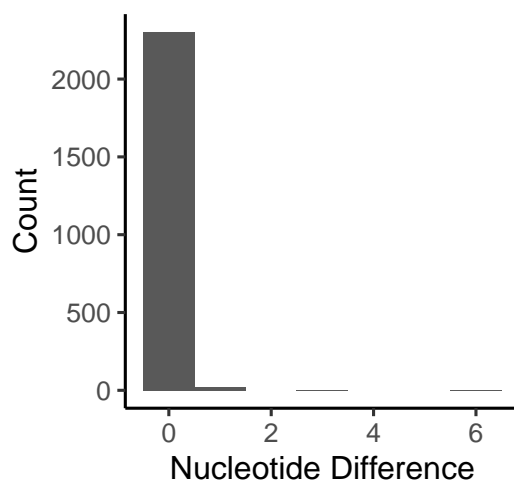
### TRBV6-56\*ap02

2401 sequences assigned  
2058 (85.7%) exact matches, in which:  
2009 unique CDR3  
13 unique J



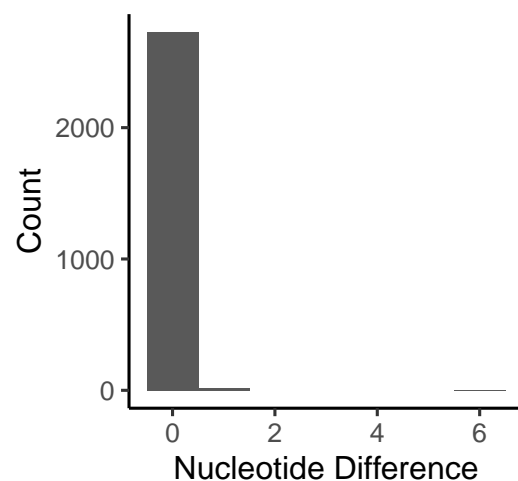
### TRBV7-3\*ap01

2326 sequences assigned  
2302 (99%) exact matches, in which:  
2273 unique CDR3  
13 unique J



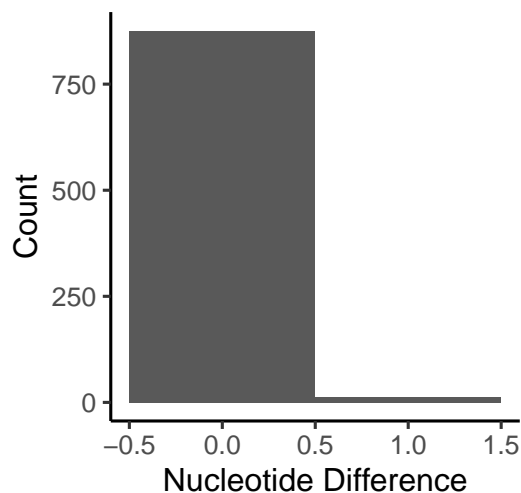
### TRBV7-6\*ap01

2749 sequences assigned  
2728 (99.2%) exact matches, in which:  
2670 unique CDR3  
13 unique J



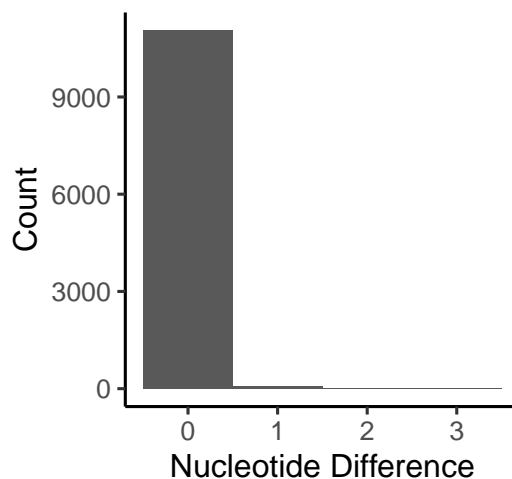
### TRBV7-7\*ap01

889 sequences assigned  
876 (98.5%) exact matches, in which:  
862 unique CDR3  
13 unique J



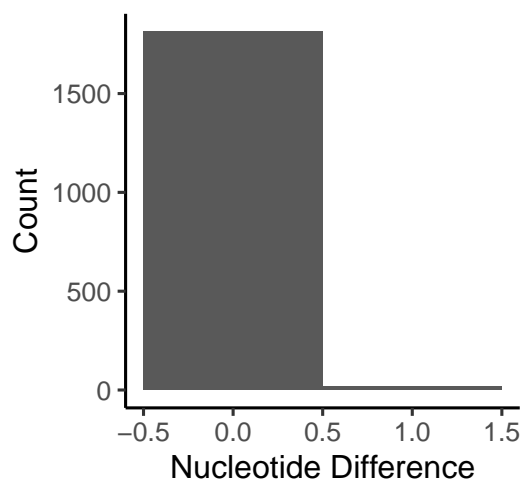
### TRBV7-9\*ap01

11140 sequences assigned  
11054 (99.2%) exact matches, in which:  
10887 unique CDR3  
13 unique J



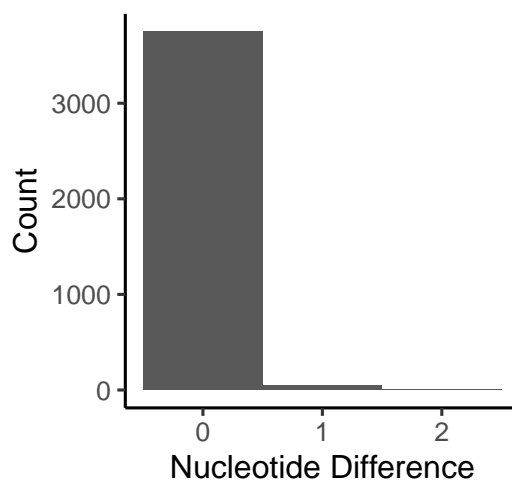
### TRBV7-8\*ap01

1831 sequences assigned  
1813 (99%) exact matches, in which:  
1769 unique CDR3  
13 unique J



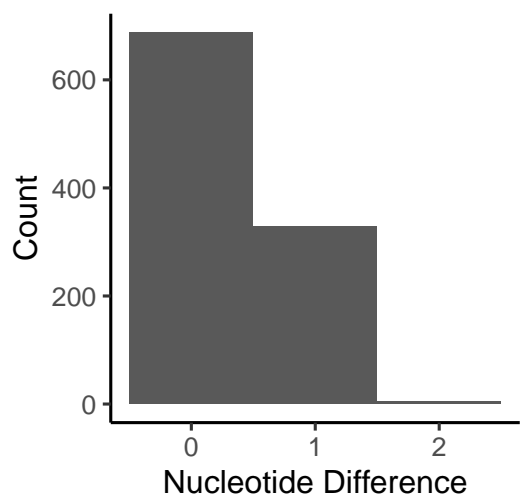
### TRBV29-1\*ap01

3796 sequences assigned  
3748 (98.7%) exact matches, in which:  
3664 unique CDR3  
13 unique J



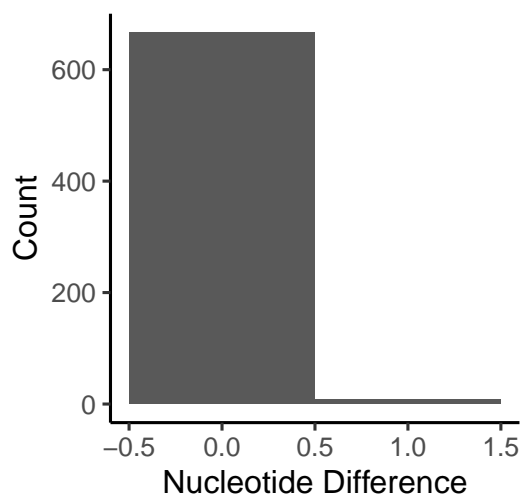
### TRBV7-8\*ap03

1022 sequences assigned  
688 (67.3%) exact matches, in which:  
671 unique CDR3  
13 unique J



### TRBV29-1\*ap02

675 sequences assigned  
667 (98.8%) exact matches, in which:  
655 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C

