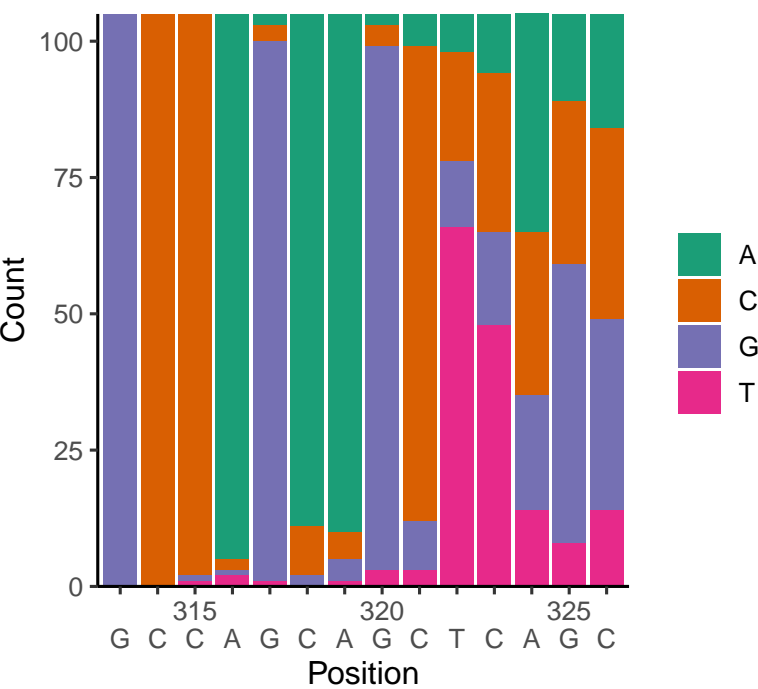
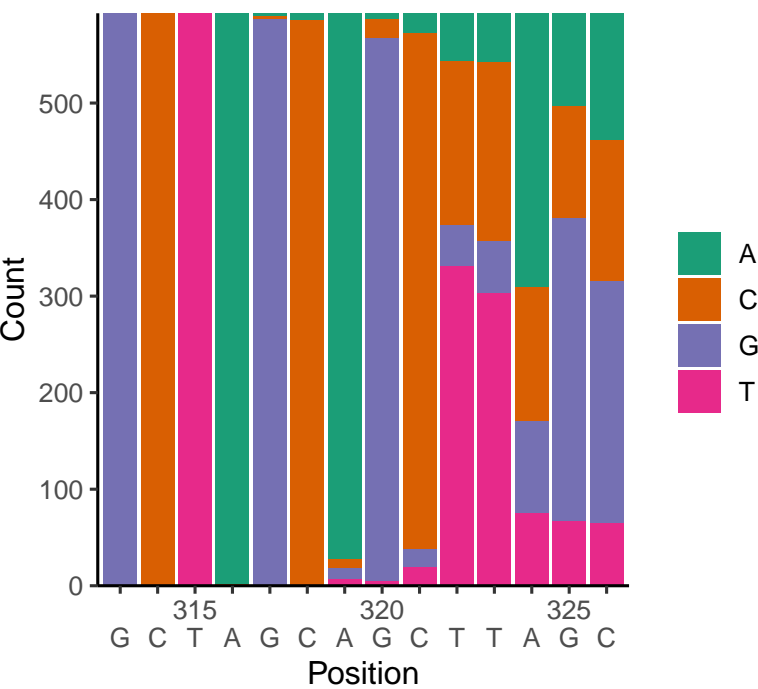


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



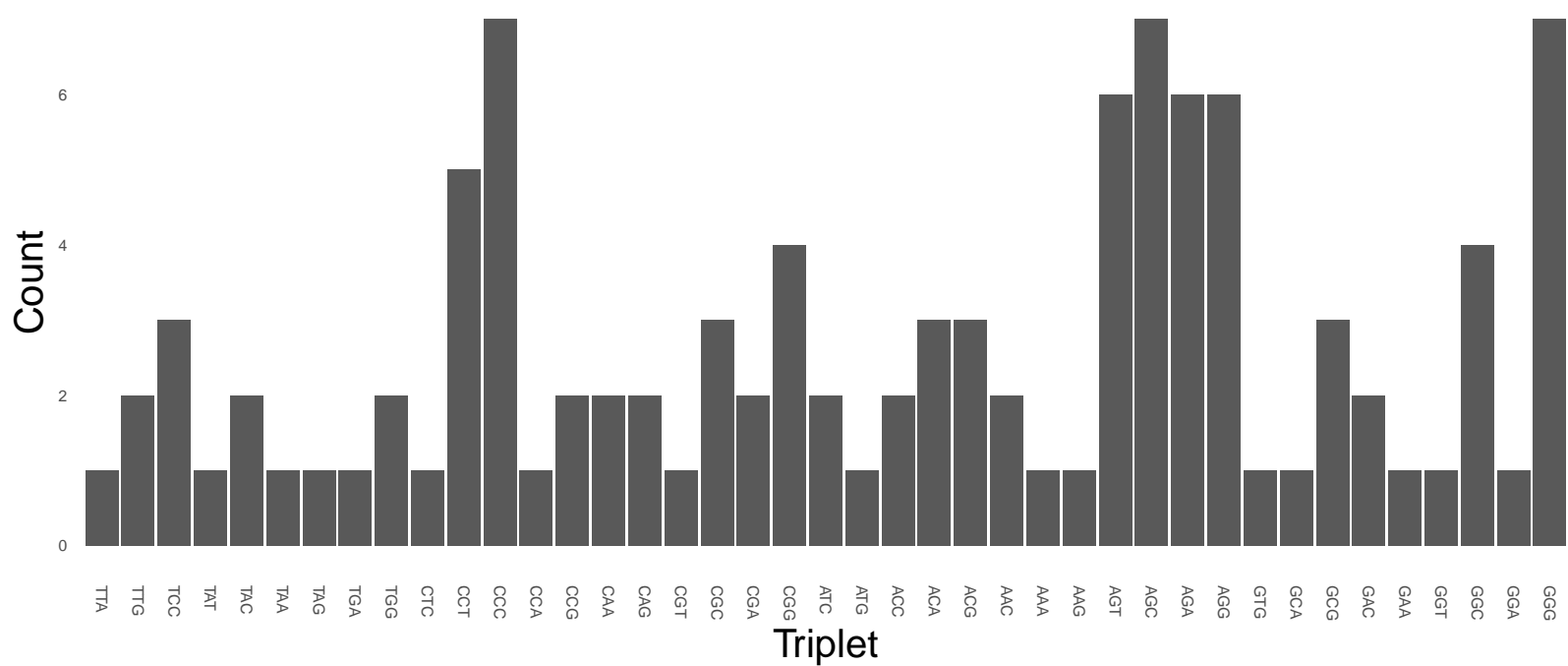
Gene TRBV7-1\*ap01\_G291C\_T296C



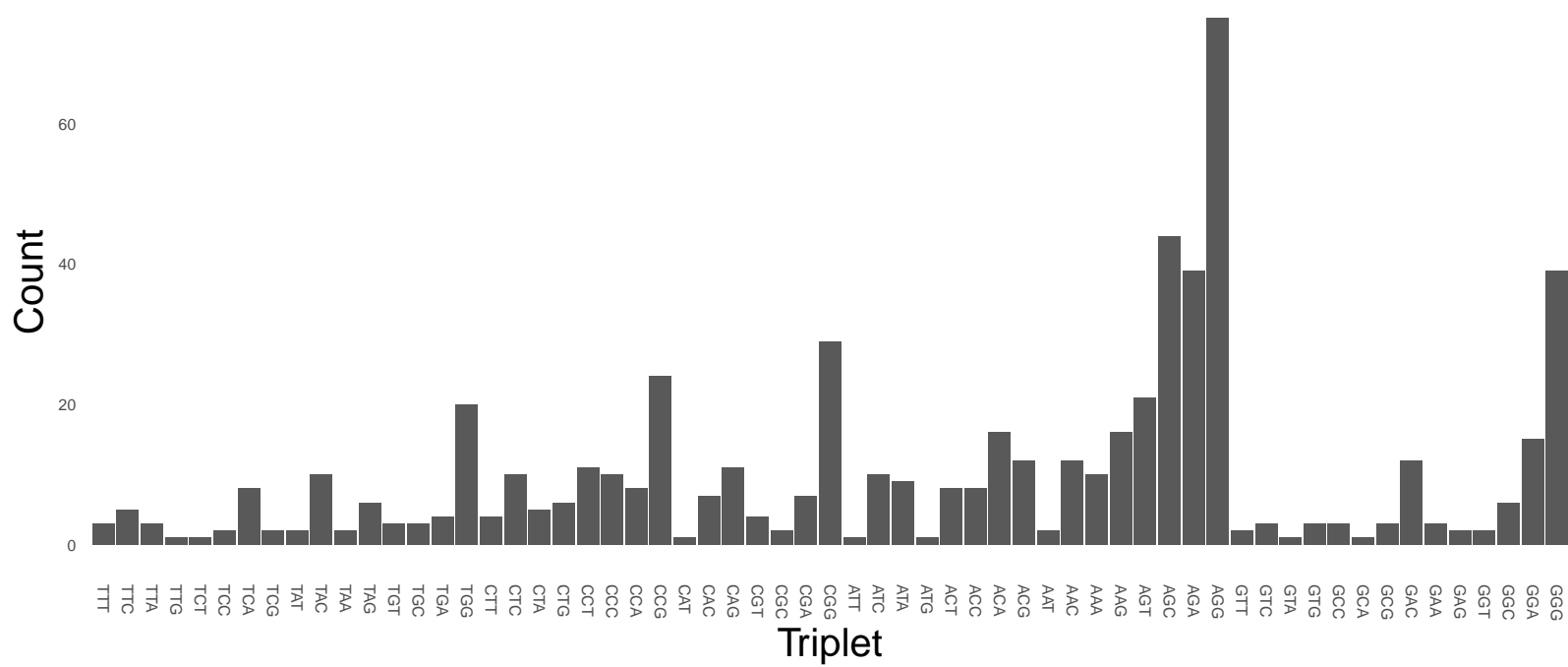
Gene TRBV7-7\*ap01\_C315T



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

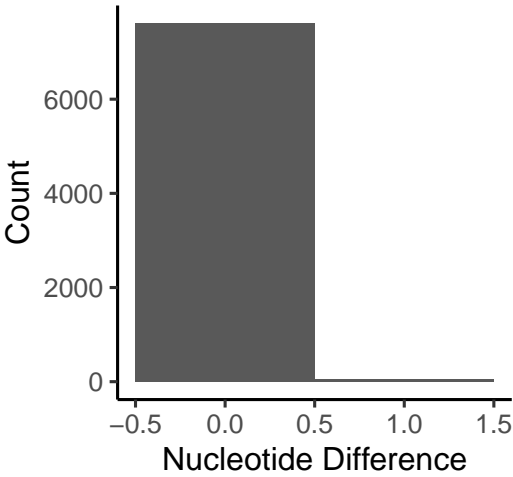


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



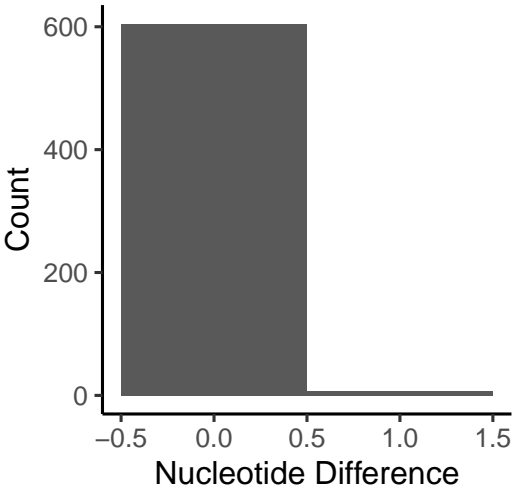
TRBV20-1\*ap01

7657 sequences assigned  
7610 (99.4%) exact matches, in which:  
7560 unique CDR3  
13 unique J



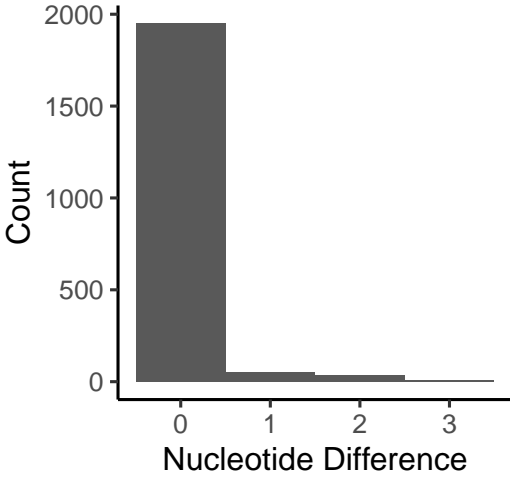
TRBV10-2\*ap01

612 sequences assigned  
605 (98.9%) exact matches, in which:  
599 unique CDR3  
13 unique J



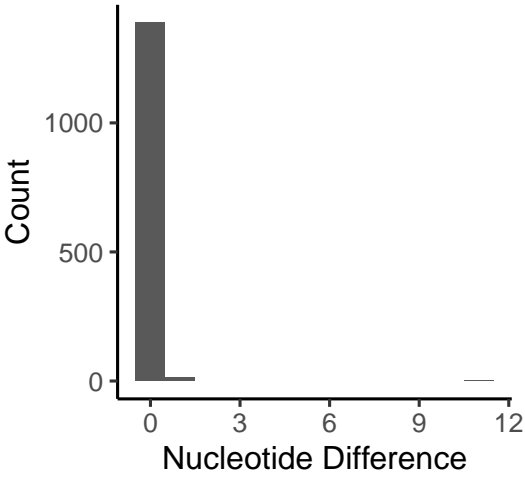
TRBV13\*ap01

2044 sequences assigned  
1950 (95.4%) exact matches, in which:  
1927 unique CDR3  
13 unique J



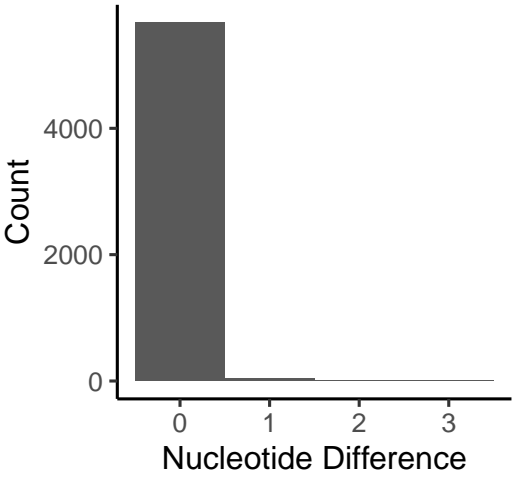
TRBV10-1\*ap01

1401 sequences assigned  
1388 (99.1%) exact matches, in which:  
1368 unique CDR3  
13 unique J



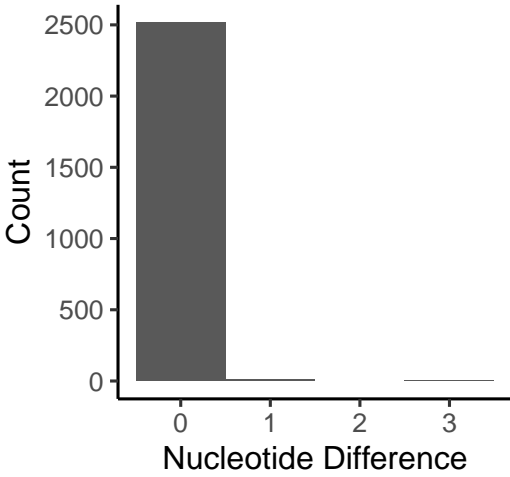
TRBV10-3\*ap01

5711 sequences assigned  
5672 (99.3%) exact matches, in which:  
5626 unique CDR3  
13 unique J



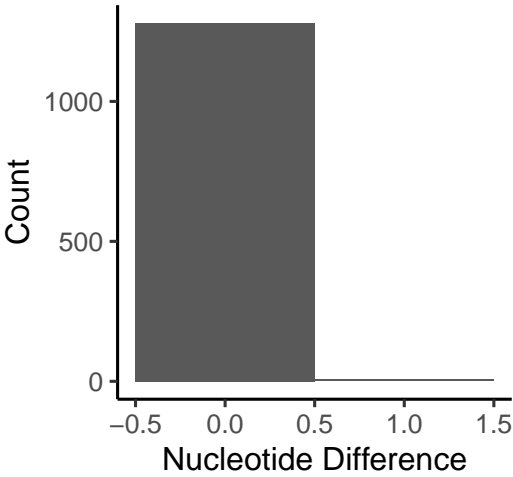
TRBV14\*ap01

2529 sequences assigned  
2515 (99.4%) exact matches, in which:  
2503 unique CDR3  
13 unique J



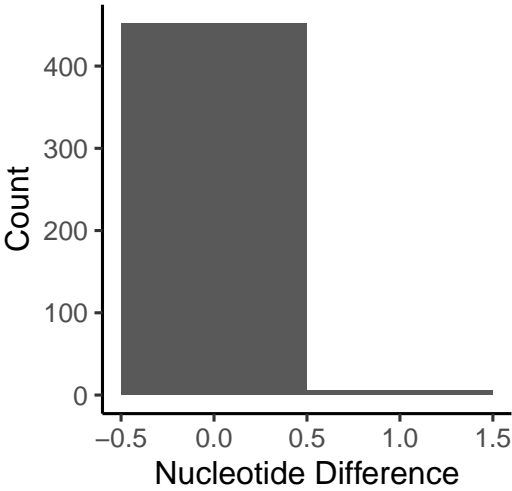
TRBV20-1\*ap02

1286 sequences assigned  
1280 (99.5%) exact matches, in which:  
1267 unique CDR3  
13 unique J



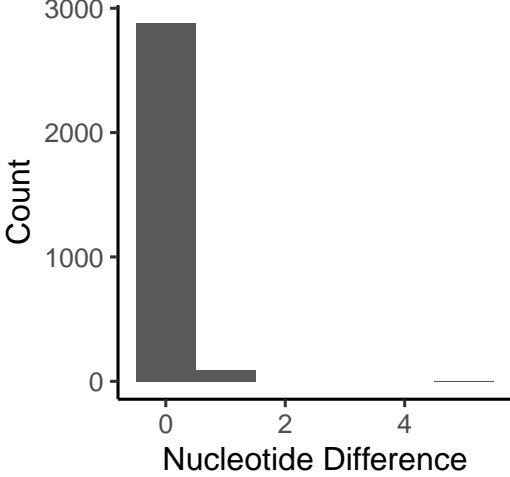
TRBV1\*ap01

457 sequences assigned  
452 (98.9%) exact matches, in which:  
441 unique CDR3  
13 unique J



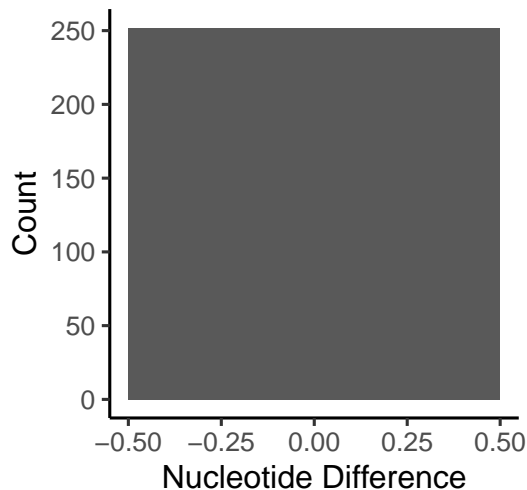
TRBV15\*ap02

2972 sequences assigned  
2881 (96.9%) exact matches, in which:  
2845 unique CDR3  
13 unique J



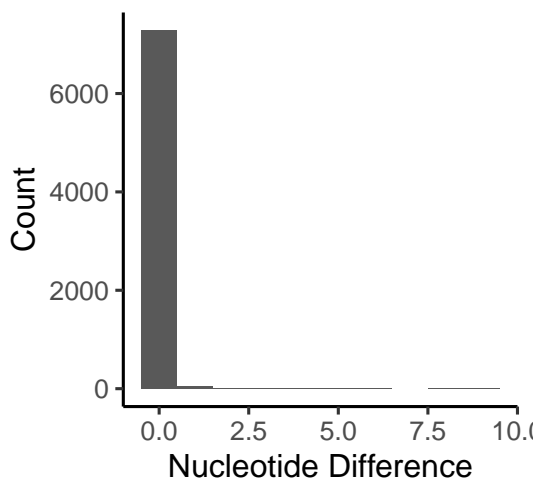
### TRBV16\*ap01

252 sequences assigned  
252 (100%) exact matches, in which:  
251 unique CDR3  
12 unique J



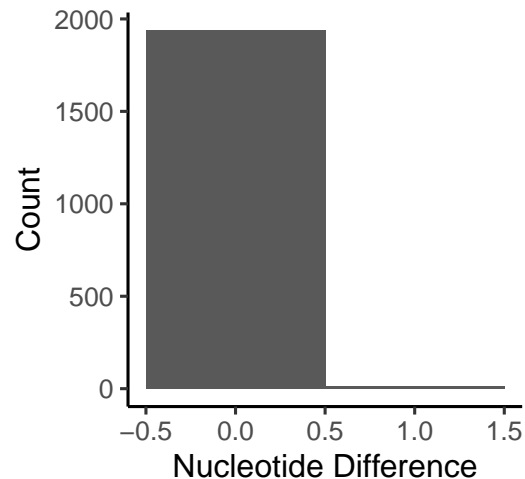
### TRBV19\*ap01

7343 sequences assigned  
7283 (99.2%) exact matches, in which:  
7256 unique CDR3  
13 unique J



### TRBV28\*ap01

1950 sequences assigned  
1938 (99.4%) exact matches, in which:  
1928 unique CDR3  
13 unique J



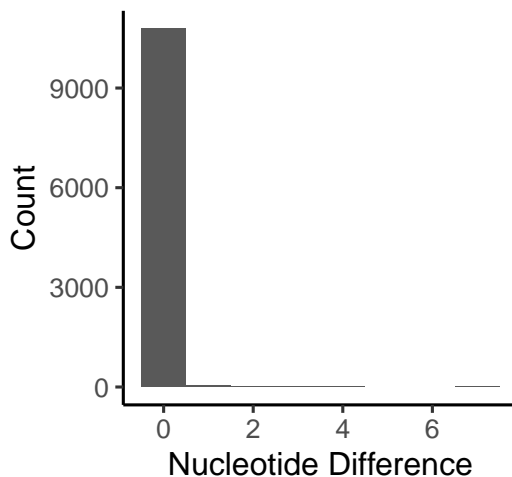
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



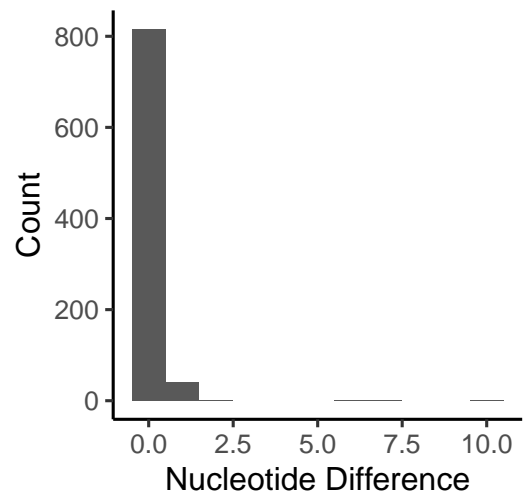
### TRBV2\*ap01

10849 sequences assigned  
10785 (99.4%) exact matches, in which:  
10730 unique CDR3  
13 unique J



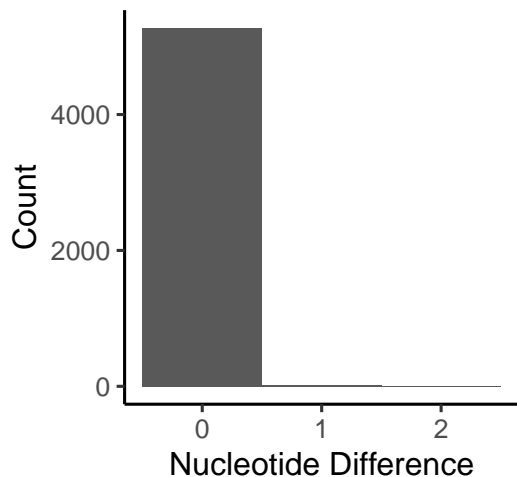
### TRBV30\*ap02

861 sequences assigned  
816 (94.8%) exact matches, in which:  
802 unique CDR3  
14 unique J



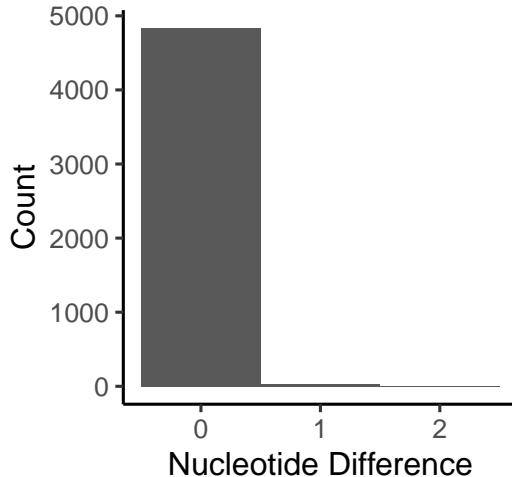
### TRBV18\*ap01

5289 sequences assigned  
5273 (99.7%) exact matches, in which:  
5255 unique CDR3  
13 unique J



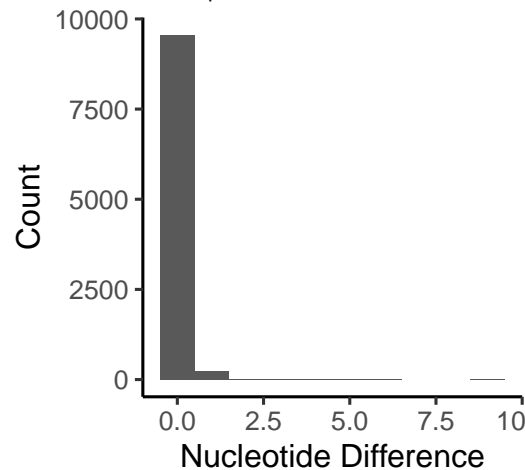
### TRBV27\*ap01

4871 sequences assigned  
4835 (99.3%) exact matches, in which:  
4806 unique CDR3  
13 unique J



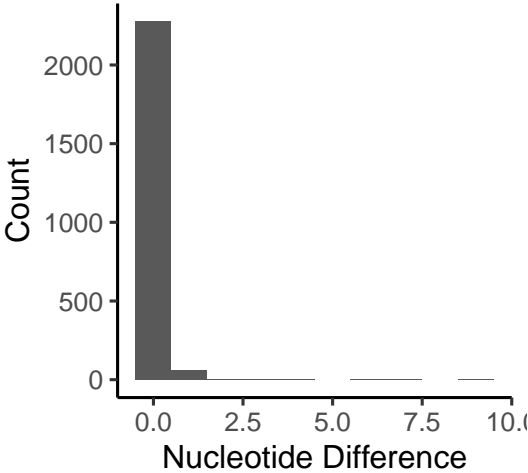
### TRBV9\*ap01

9795 sequences assigned  
9560 (97.6%) exact matches, in which:  
9492 unique CDR3  
13 unique J



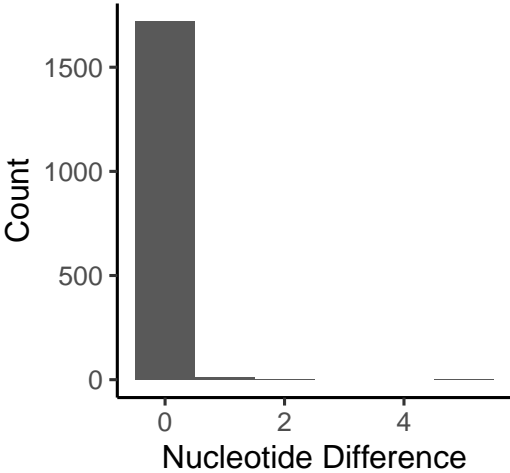
TRBV21-1\*ap01

2346 sequences assigned  
2277 (97.1%) exact matches, in which:  
2256 unique CDR3  
13 unique J



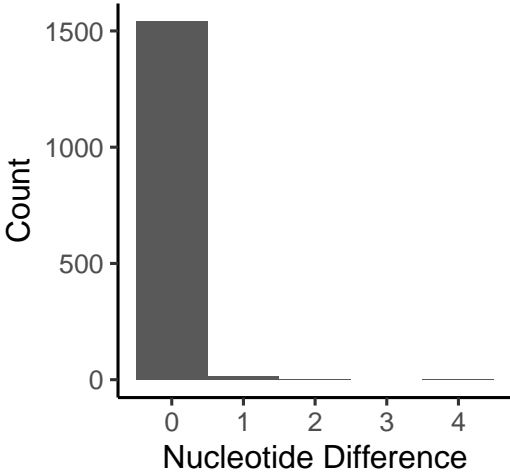
TRBV11-3\*ap01

1736 sequences assigned  
1720 (99.1%) exact matches, in which:  
1709 unique CDR3  
13 unique J



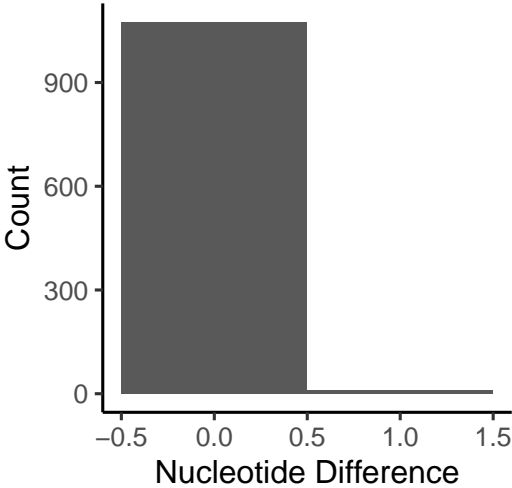
TRBV12-5\*ap01

1559 sequences assigned  
1541 (98.8%) exact matches, in which:  
1535 unique CDR3  
13 unique J



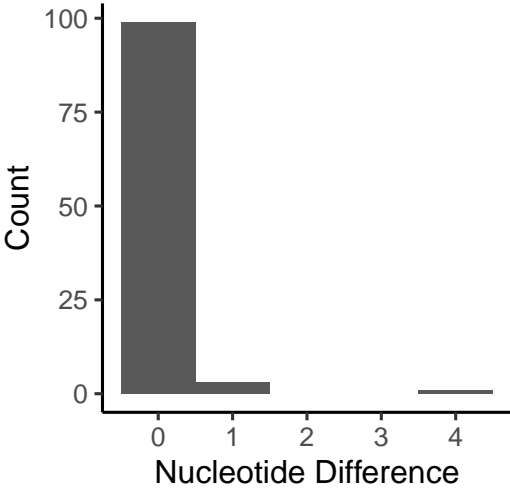
TRBV11-1\*ap01

1086 sequences assigned  
1075 (99%) exact matches, in which:  
1067 unique CDR3  
13 unique J



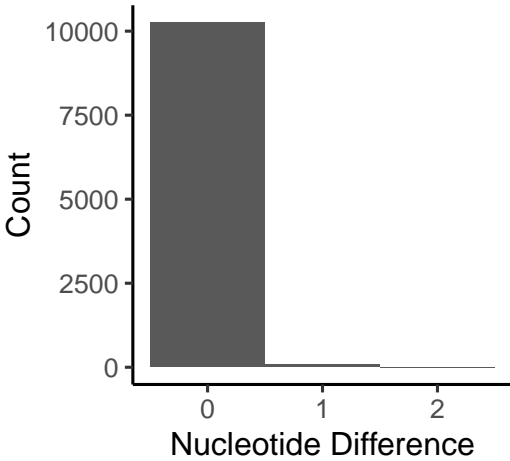
TRBV12-1\*ap01

103 sequences assigned  
99 (96.1%) exact matches, in which:  
99 unique CDR3  
13 unique J



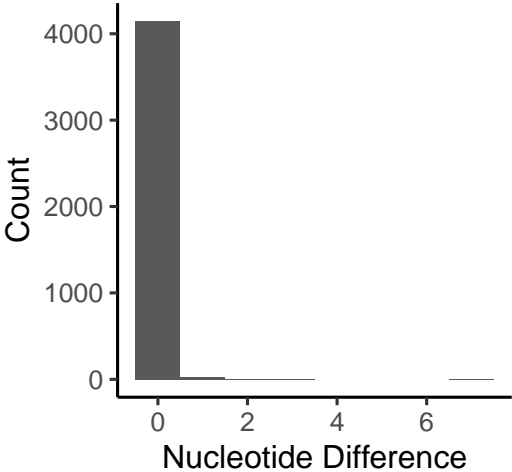
TRBV12-34\*ap01

10343 sequences assigned  
10258 (99.2%) exact matches, in which:  
10197 unique CDR3  
13 unique J



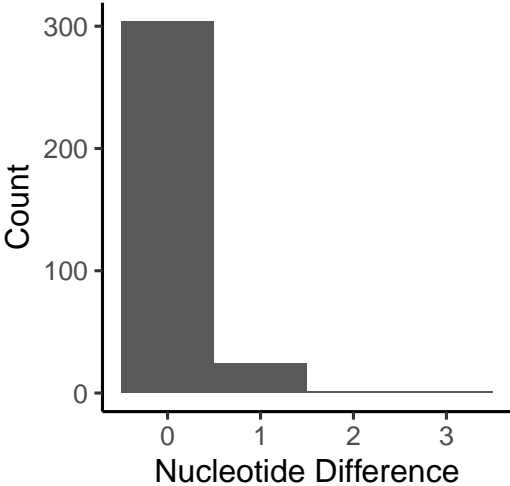
TRBV11-2\*ap01

4178 sequences assigned  
4147 (99.3%) exact matches, in which:  
4125 unique CDR3  
13 unique J



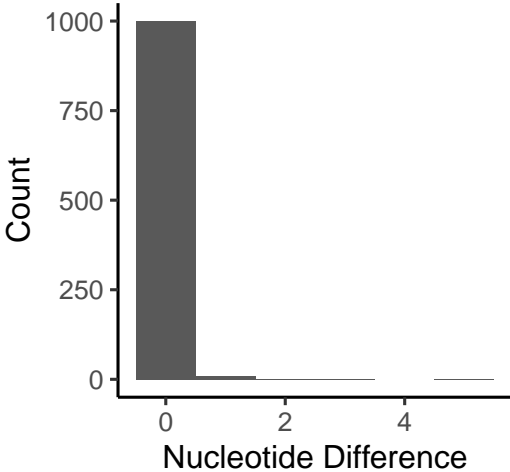
TRBV12-2\*ap01

330 sequences assigned  
304 (92.1%) exact matches, in which:  
299 unique CDR3  
13 unique J



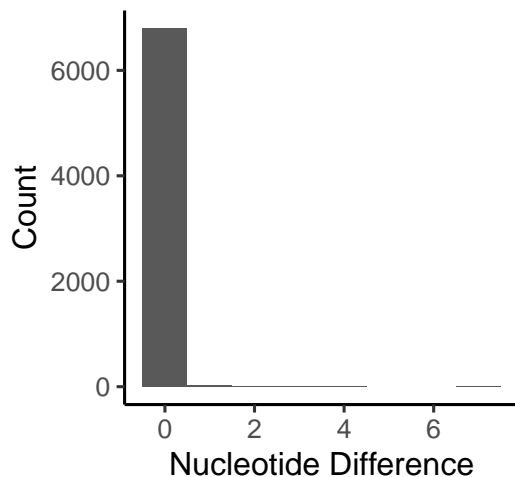
TRBV23-1\*ap01

1012 sequences assigned  
1000 (98.8%) exact matches, in which:  
998 unique CDR3  
13 unique J



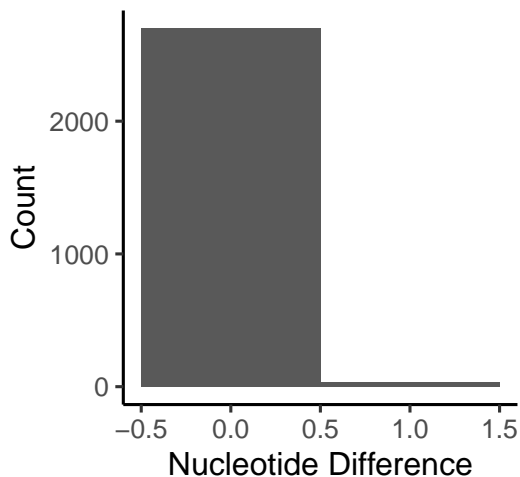
### TRBV3-12\*ap01

6834 sequences assigned  
6796 (99.4%) exact matches, in which:  
6774 unique CDR3  
13 unique J



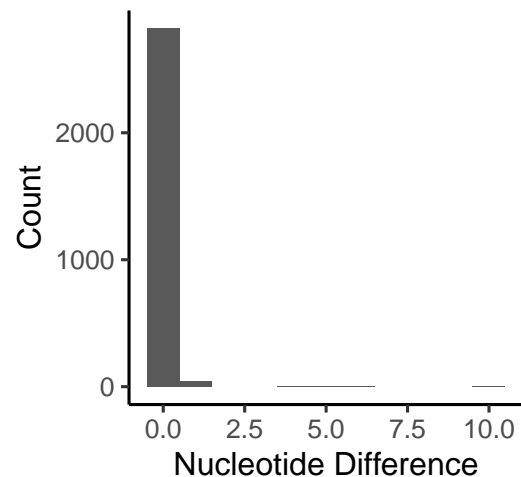
### TRBV4-2\*ap01

2735 sequences assigned  
2699 (98.7%) exact matches, in which:  
2671 unique CDR3  
13 unique J



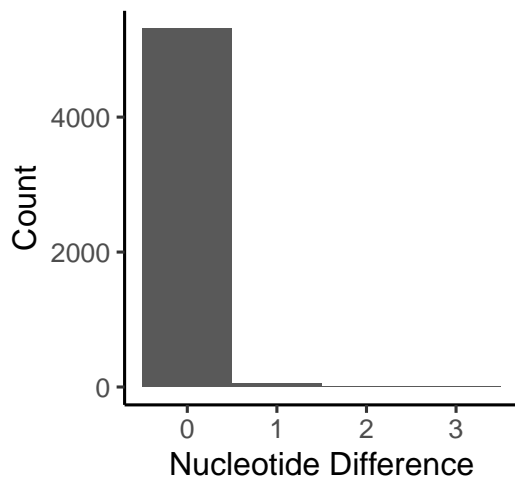
### TRBV25-1\*ap01

2869 sequences assigned  
2822 (98.4%) exact matches, in which:  
2793 unique CDR3  
13 unique J



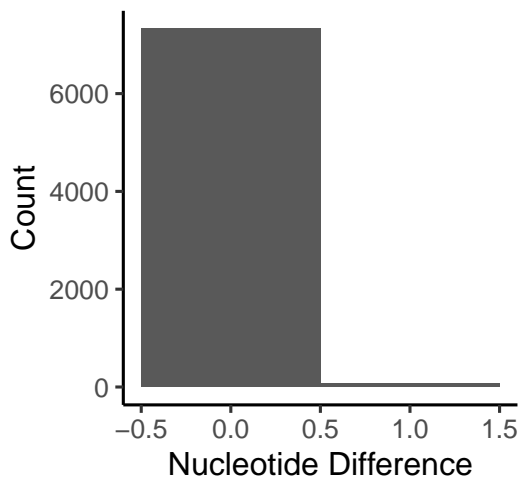
### TRBV4-1\*ap01

5365 sequences assigned  
5310 (99%) exact matches, in which:  
5263 unique CDR3  
13 unique J



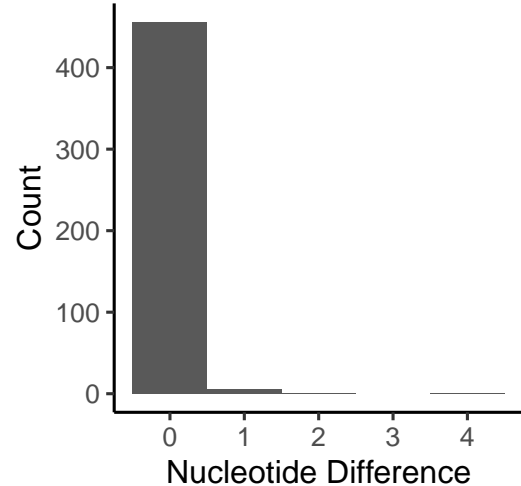
### TRBV4-3\*ap01

7399 sequences assigned  
7327 (99%) exact matches, in which:  
7251 unique CDR3  
13 unique J



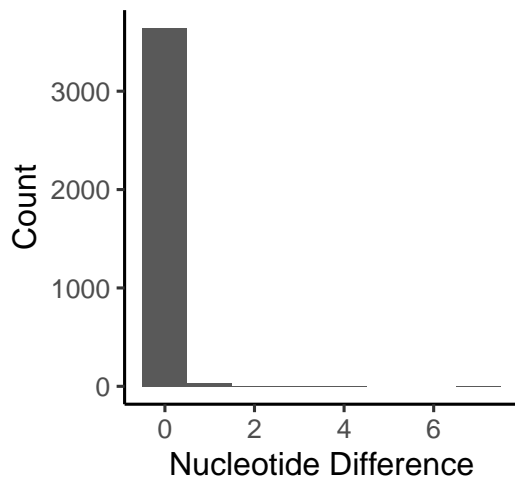
### TRBV5-3\*ap01

464 sequences assigned  
456 (98.3%) exact matches, in which:  
455 unique CDR3  
13 unique J



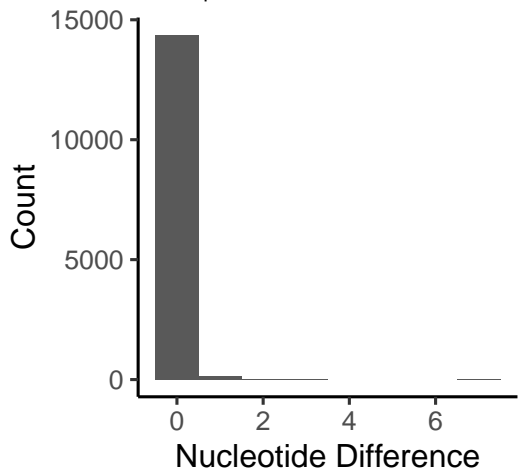
### TRBV24-1\*ap01

3683 sequences assigned  
3642 (98.9%) exact matches, in which:  
3598 unique CDR3  
13 unique J



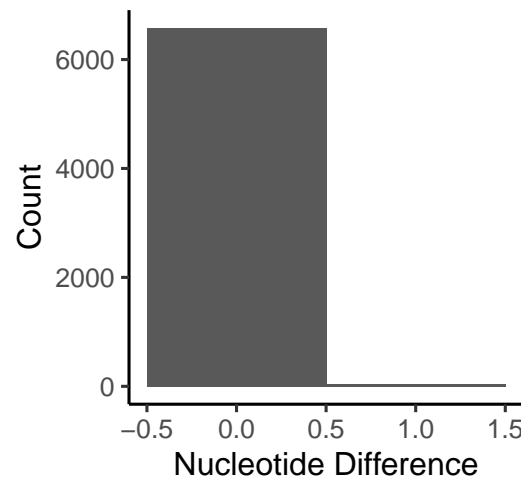
### TRBV5-1\*ap01

14546 sequences assigned  
14374 (98.8%) exact matches, in which:  
14286 unique CDR3  
13 unique J



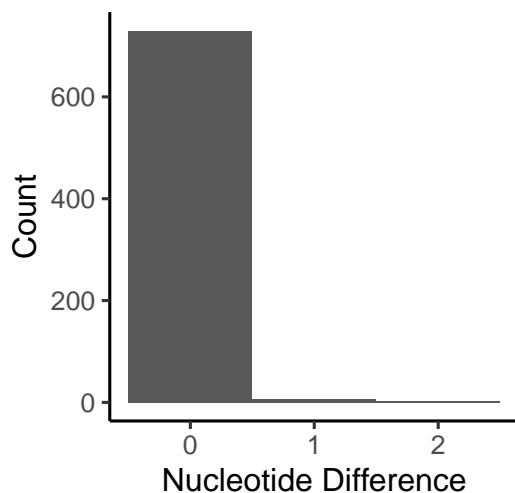
### TRBV5-4\*ap01

6620 sequences assigned  
6578 (99.4%) exact matches, in which:  
6540 unique CDR3  
13 unique J



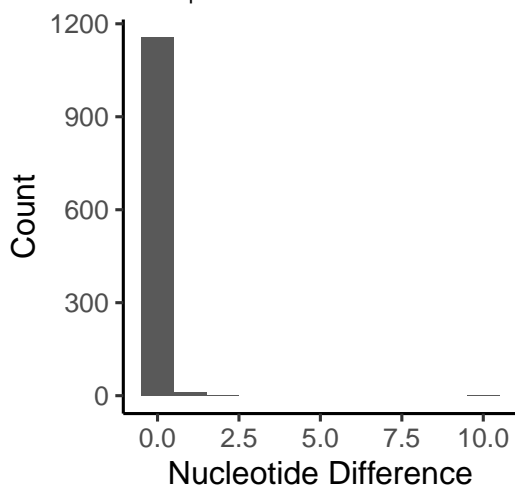
### TRBV5-5\*ap01

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



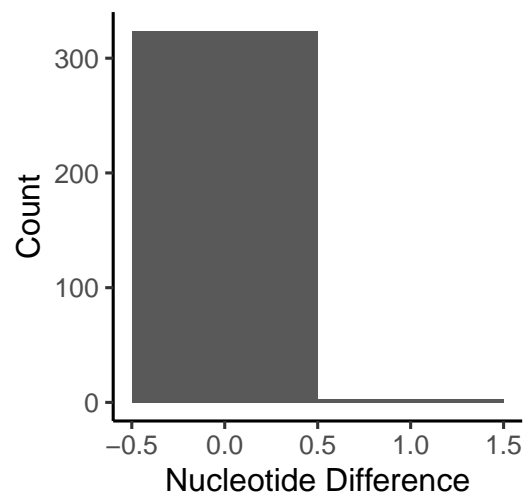
### TRBV5-8\*ap01

1170 sequences assigned  
1156 (98.8%) exact matches, in which:  
1151 unique CDR3  
13 unique J



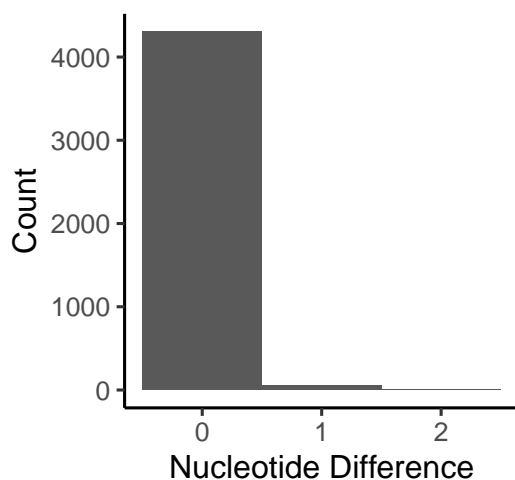
### TRBV6-7\*ap01

327 sequences assigned  
324 (99.1%) exact matches, in which:  
320 unique CDR3  
13 unique J



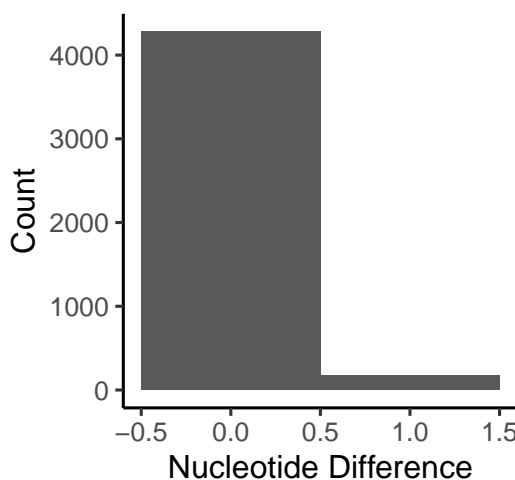
### TRBV5-6\*ap01

4360 sequences assigned  
4304 (98.7%) exact matches, in which:  
4267 unique CDR3  
13 unique J



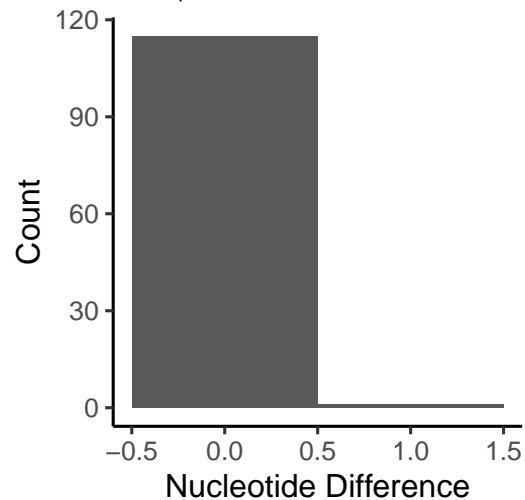
### TRBV6-1\*ap01

4453 sequences assigned  
4279 (96.1%) exact matches, in which:  
4236 unique CDR3  
13 unique J



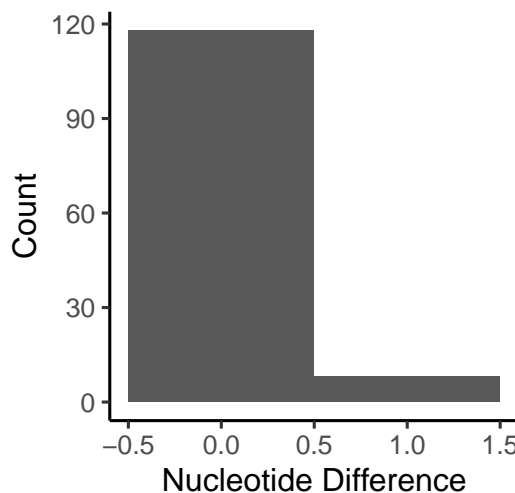
### TRBV6-8\*ap01

116 sequences assigned  
115 (99.1%) exact matches, in which:  
114 unique CDR3  
13 unique J



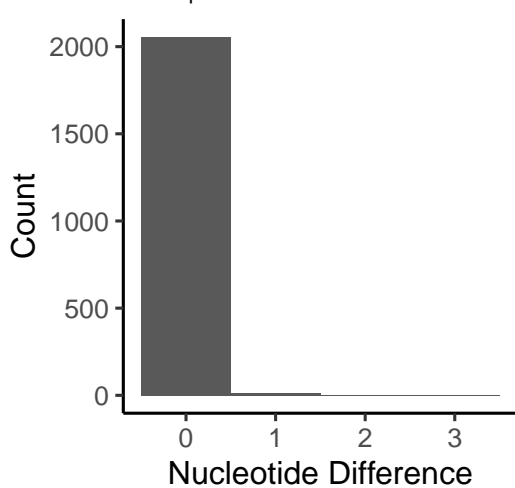
### TRBV5-7\*ap01

126 sequences assigned  
118 (93.7%) exact matches, in which:  
116 unique CDR3  
13 unique J



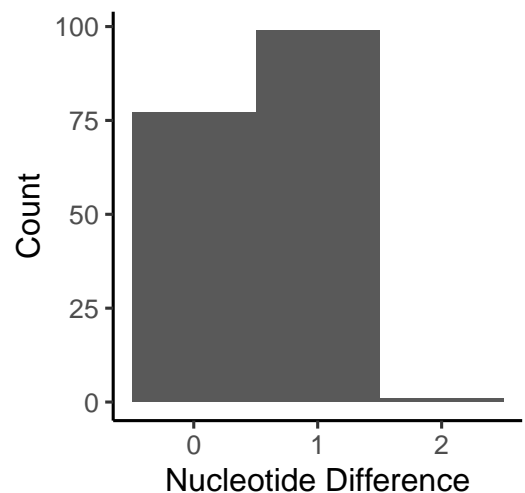
### TRBV6-4\*ap01

2072 sequences assigned  
2055 (99.2%) exact matches, in which:  
2040 unique CDR3  
13 unique J



### TRBV6-9\*ap01

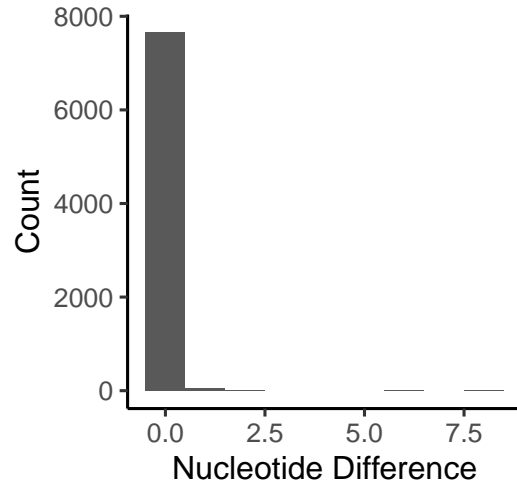
177 sequences assigned  
77 (43.5%) exact matches, in which:  
73 unique CDR3  
13 unique J





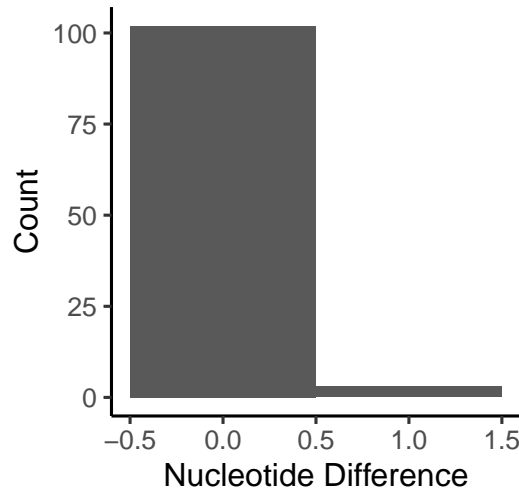
### TRBV6-23\*ap01

7715 sequences assigned  
7656 (99.2%) exact matches, in which:  
7582 unique CDR3  
13 unique J



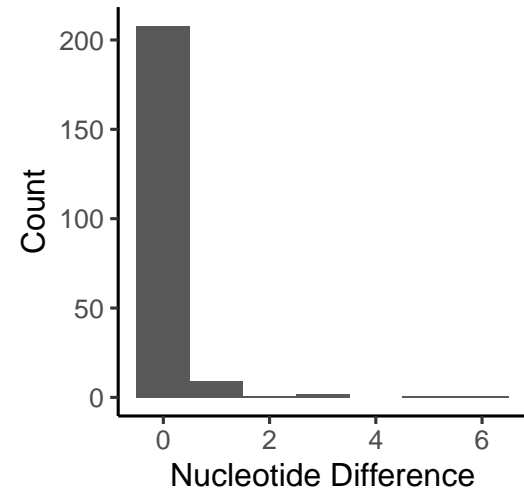
### TRBV7-1\*ap01\_G291C\_

105 sequences assigned  
102 (97.1%) exact matches, in which:  
102 unique CDR3  
13 unique J



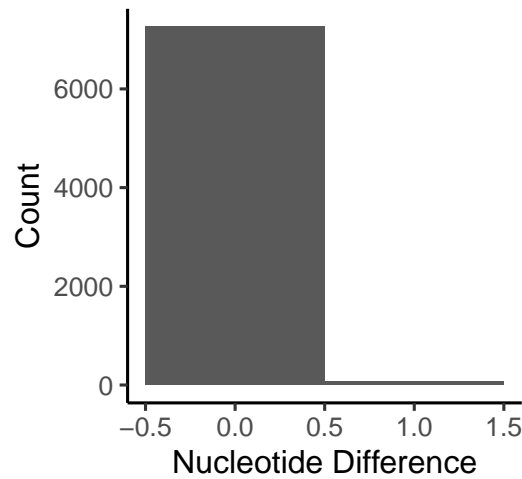
### TRBV7-4\*ap01

222 sequences assigned  
208 (93.7%) exact matches, in which:  
207 unique CDR3  
13 unique J



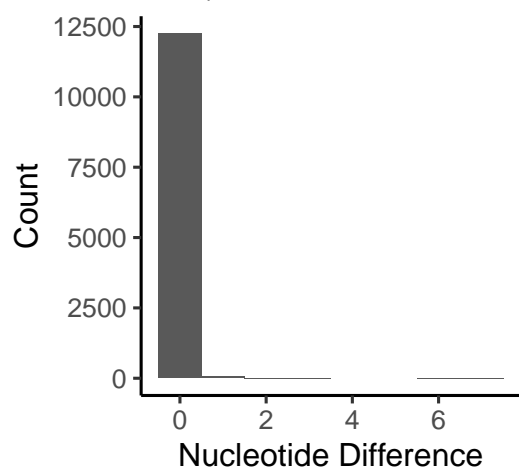
### TRBV6-56\*ap01

7334 sequences assigned  
7260 (99%) exact matches, in which:  
7183 unique CDR3  
13 unique J



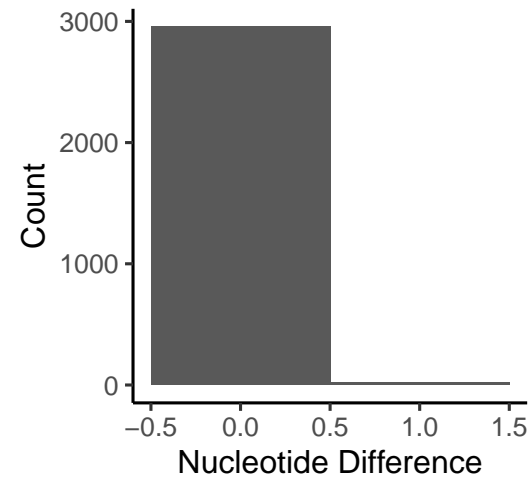
### TRBV7-2\*ap01

12316 sequences assigned  
12253 (99.5%) exact matches, in which:  
12162 unique CDR3  
13 unique J



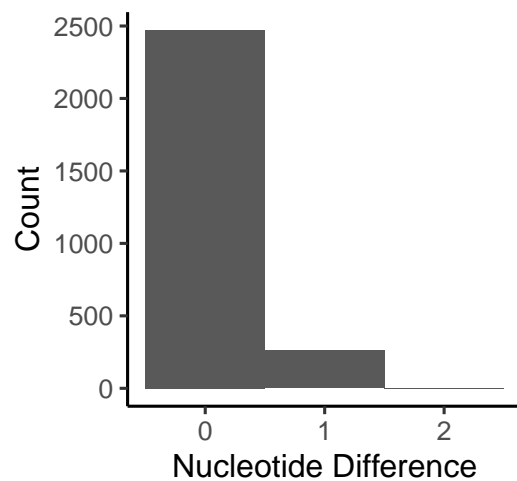
### TRBV7-6\*ap01

2975 sequences assigned  
2956 (99.4%) exact matches, in which:  
2937 unique CDR3  
13 unique J



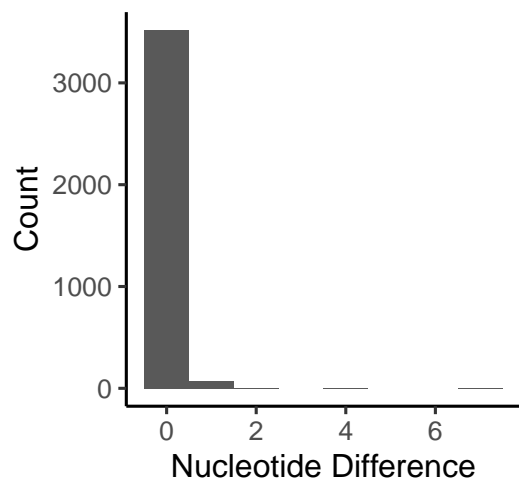
### TRBV6-56\*ap02

2737 sequences assigned  
2472 (90.3%) exact matches, in which:  
2441 unique CDR3  
13 unique J



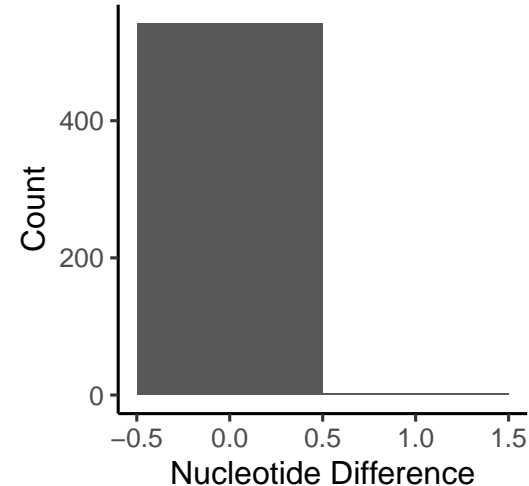
### TRBV7-3\*ap01

3597 sequences assigned  
3519 (97.8%) exact matches, in which:  
3496 unique CDR3  
13 unique J



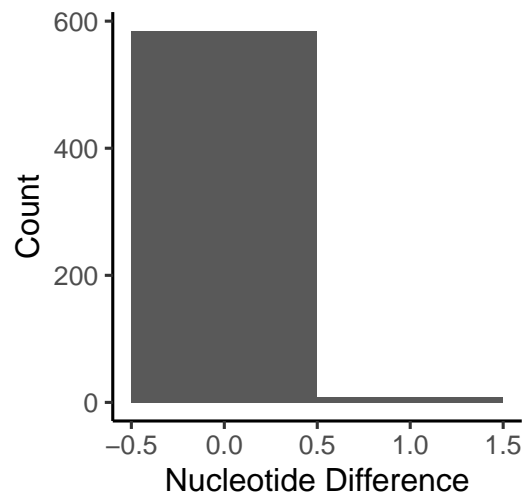
### TRBV7-7\*ap01

544 sequences assigned  
542 (99.6%) exact matches, in which:  
537 unique CDR3  
13 unique J



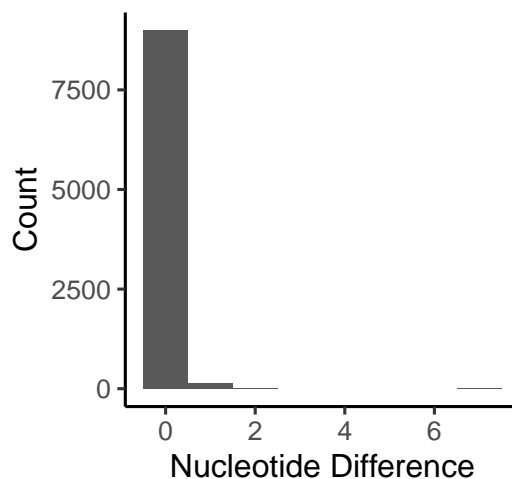
### TRBV7-7\*ap01\_C315T

593 sequences assigned  
585 (98.7%) exact matches, in which:  
576 unique CDR3  
13 unique J



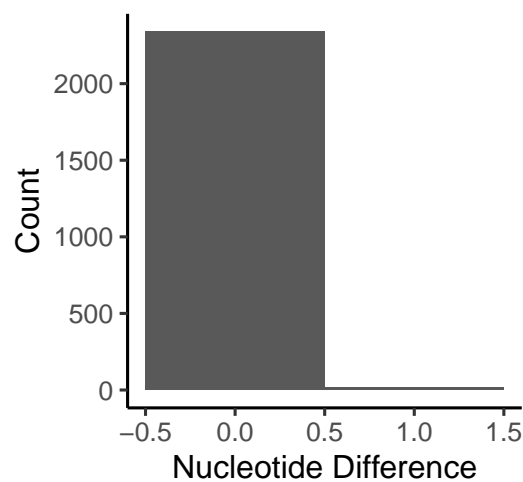
### TRBV7-9\*ap01

9143 sequences assigned  
8993 (98.4%) exact matches, in which:  
8939 unique CDR3  
13 unique J



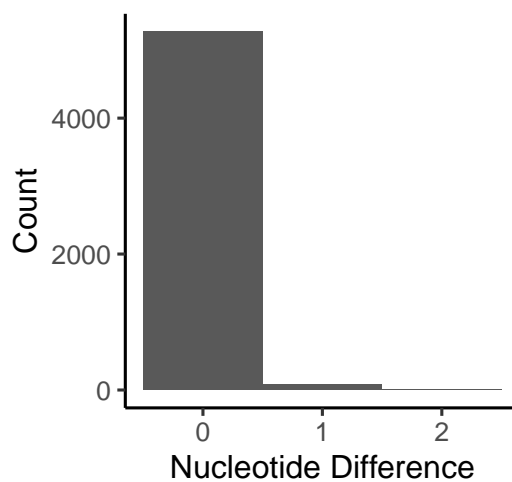
### TRBV7-8\*ap01

2356 sequences assigned  
2339 (99.3%) exact matches, in which:  
2319 unique CDR3  
13 unique J



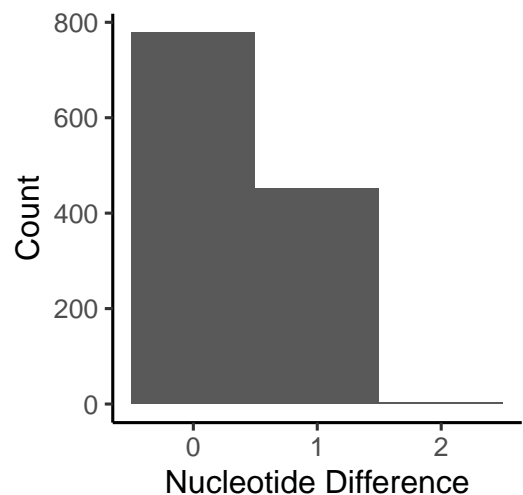
### TRBV29-1\*ap01

5358 sequences assigned  
5271 (98.4%) exact matches, in which:  
5179 unique CDR3  
13 unique J



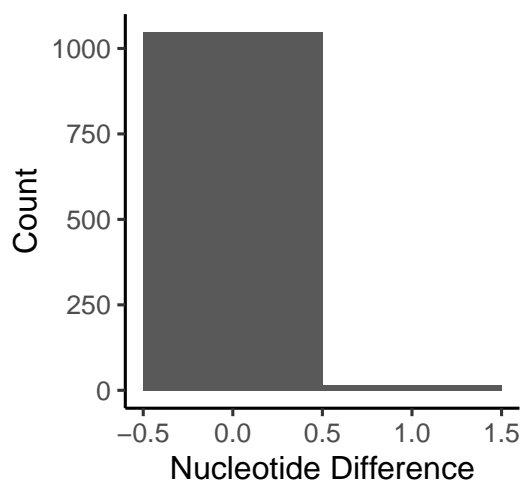
### TRBV7-8\*ap03

1234 sequences assigned  
779 (63.1%) exact matches, in which:  
771 unique CDR3  
13 unique J

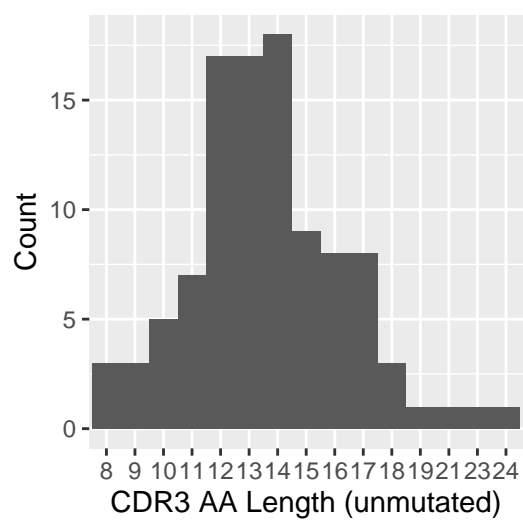


### TRBV29-1\*ap02

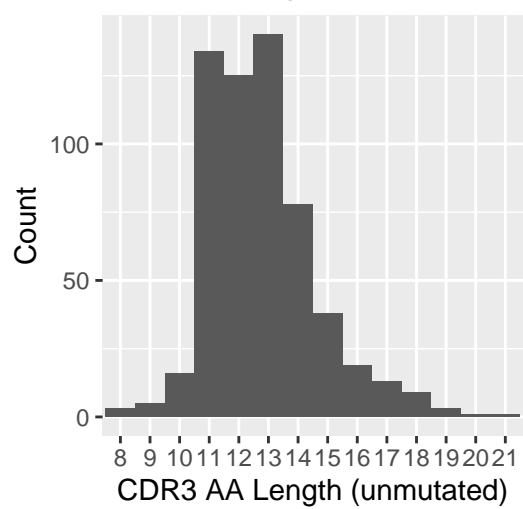
1063 sequences assigned  
1048 (98.6%) exact matches, in which:  
1023 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.