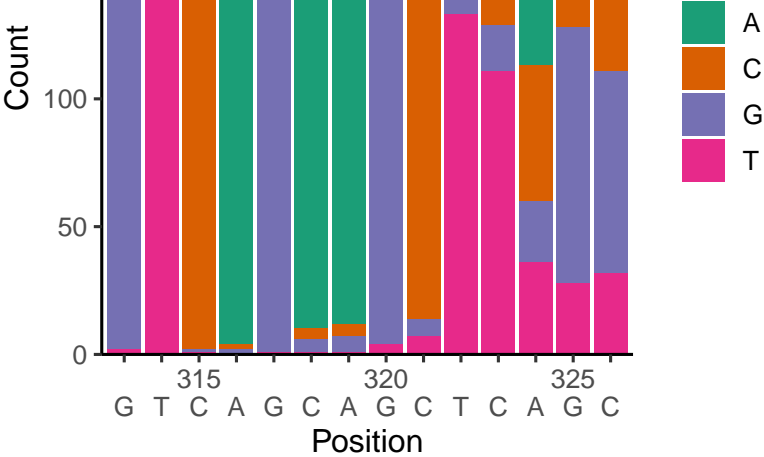


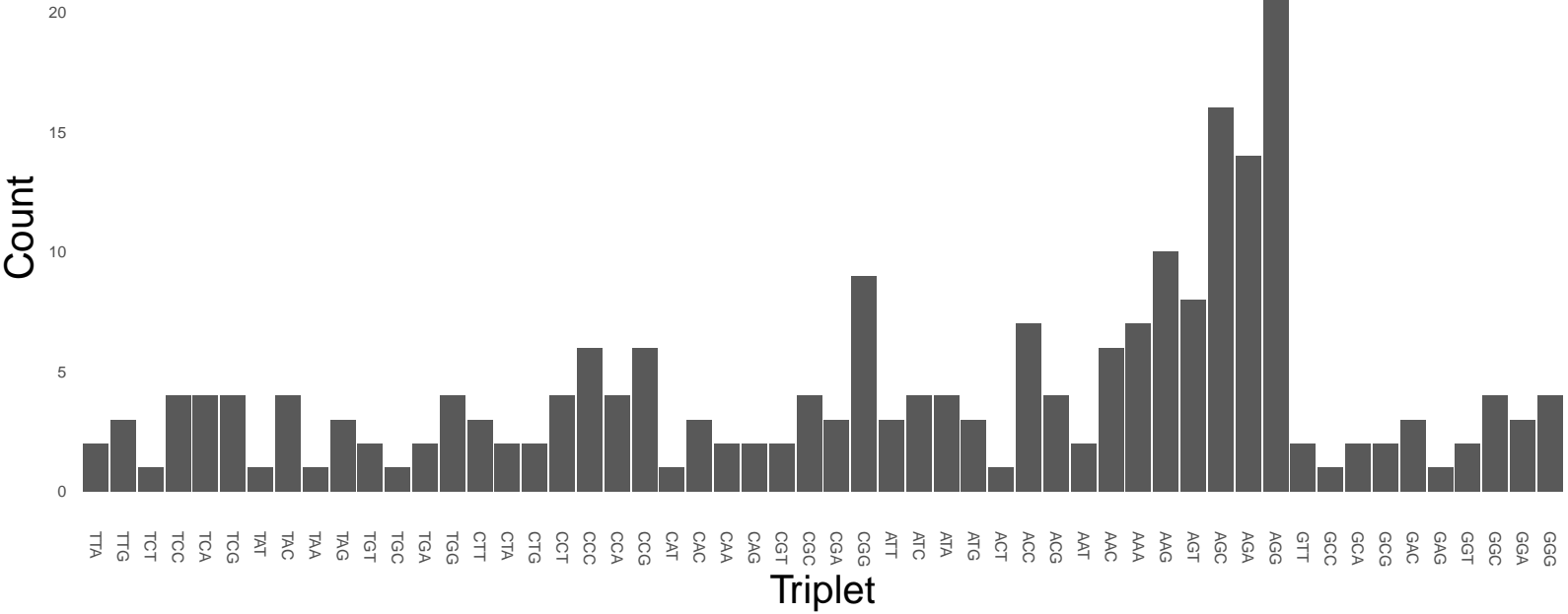
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C\_C314T

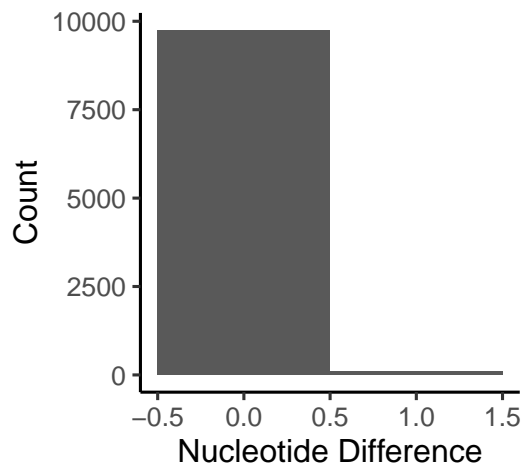


TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



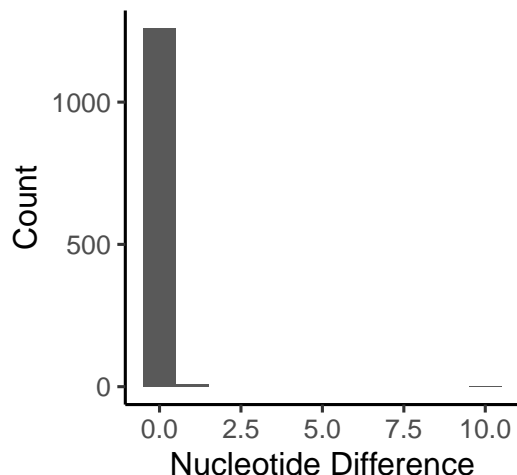
### TRBV20-1\*ap01

9847 sequences assigned  
9749 (99%) exact matches, in which:  
9653 unique CDR3  
13 unique J



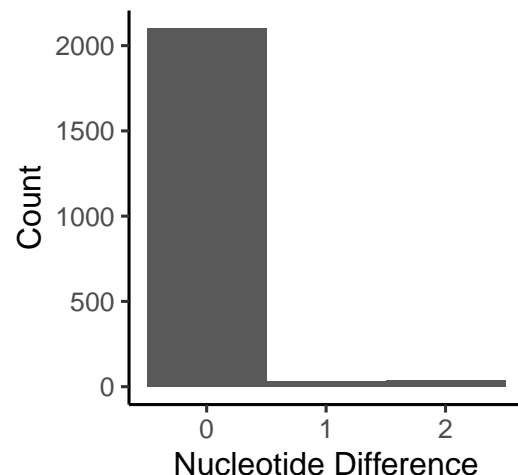
### TRBV10-2\*ap01

1269 sequences assigned  
1259 (99.2%) exact matches, in which:  
1236 unique CDR3  
13 unique J



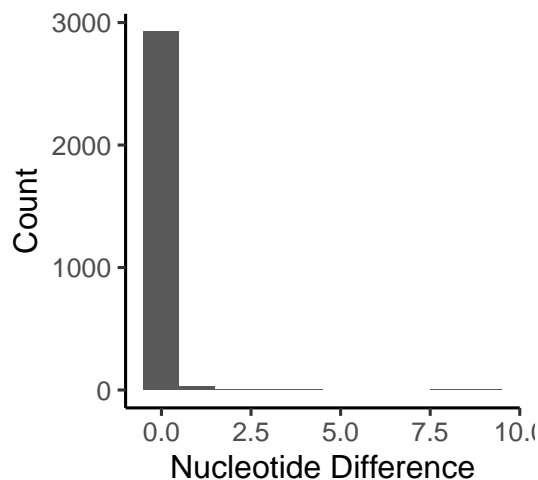
### TRBV13\*ap01

2168 sequences assigned  
2101 (96.9%) exact matches, in which:  
2039 unique CDR3  
13 unique J



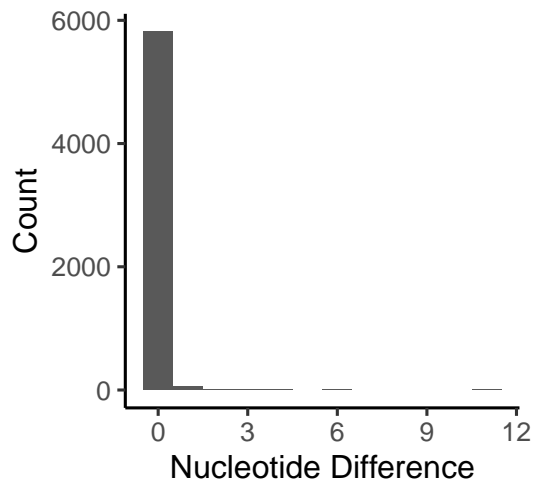
### TRBV10-1\*ap01

2962 sequences assigned  
2925 (98.8%) exact matches, in which:  
2871 unique CDR3  
13 unique J



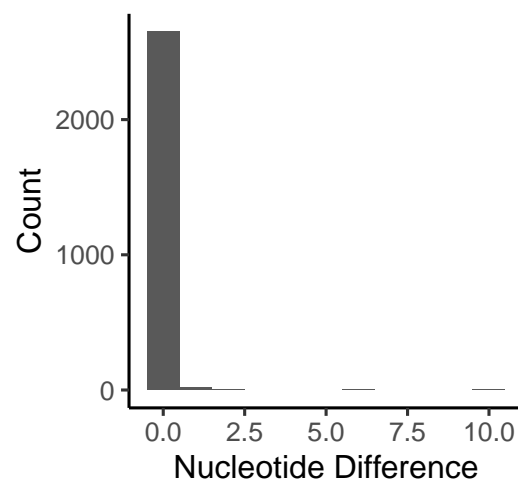
### TRBV10-3\*ap01

5875 sequences assigned  
5815 (99%) exact matches, in which:  
5755 unique CDR3  
13 unique J



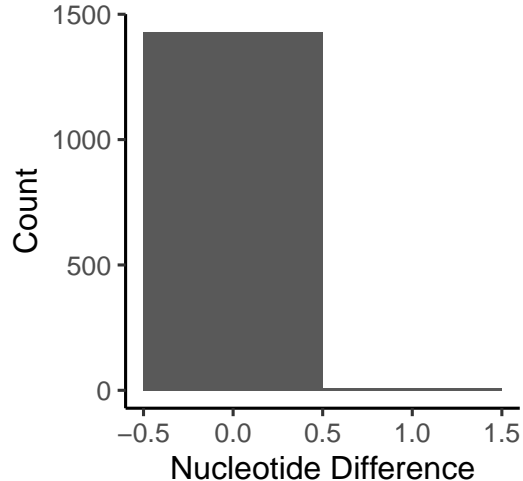
### TRBV14\*ap01

2669 sequences assigned  
2650 (99.3%) exact matches, in which:  
2625 unique CDR3  
13 unique J



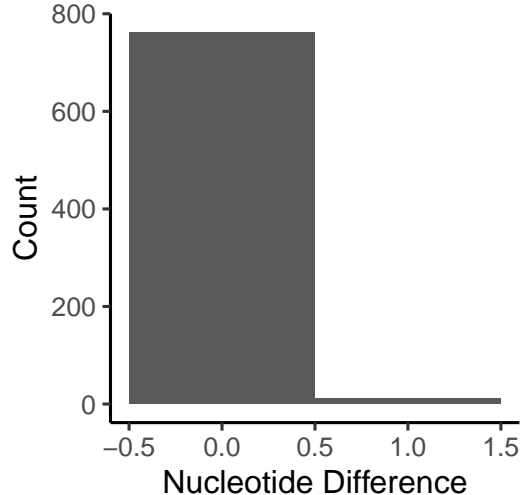
### TRBV20-1\*ap02

1438 sequences assigned  
1429 (99.4%) exact matches, in which:  
1412 unique CDR3  
13 unique J



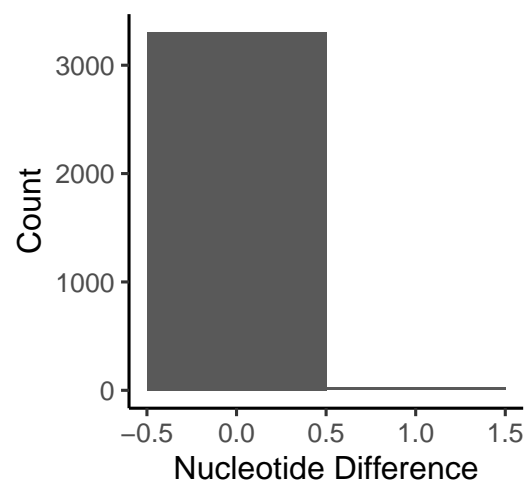
### TRBV1\*ap01

773 sequences assigned  
762 (98.6%) exact matches, in which:  
750 unique CDR3  
13 unique J



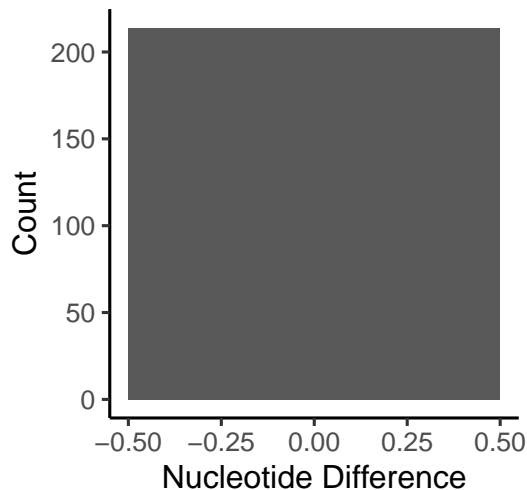
### TRBV15\*ap02

3333 sequences assigned  
3306 (99.2%) exact matches, in which:  
3267 unique CDR3  
13 unique J



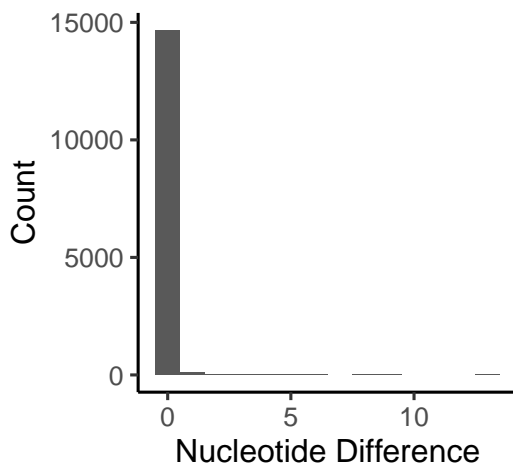
### TRBV16\*ap01

214 sequences assigned  
214 (100%) exact matches, in which:  
214 unique CDR3  
13 unique J



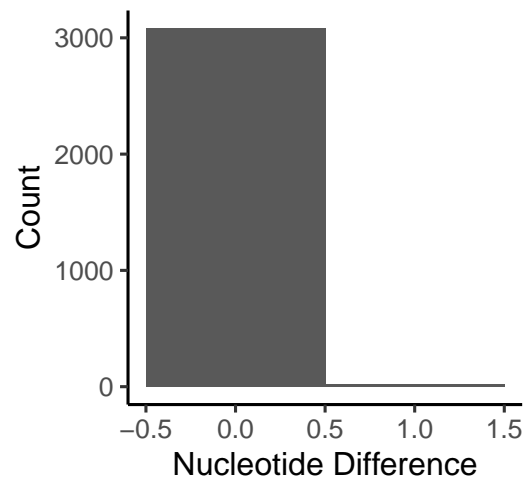
### TRBV19\*ap01

14808 sequences assigned  
14669 (99.1%) exact matches, in which:  
14583 unique CDR3  
13 unique J



### TRBV28\*ap01

3103 sequences assigned  
3081 (99.3%) exact matches, in which:  
3052 unique CDR3  
13 unique J



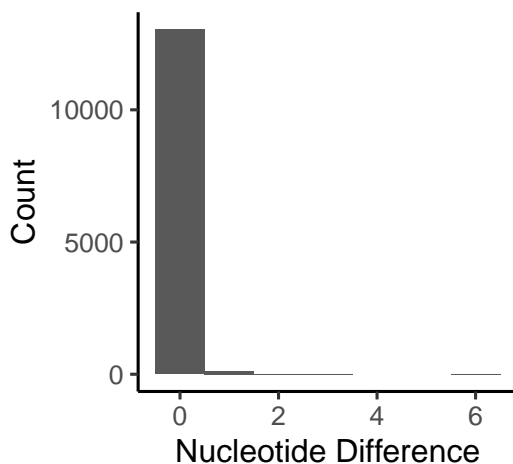
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



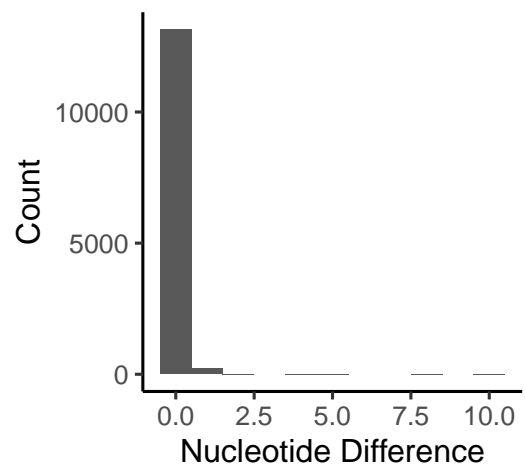
### TRBV2\*ap01

13178 sequences assigned  
13039 (98.9%) exact matches, in which:  
12850 unique CDR3  
13 unique J



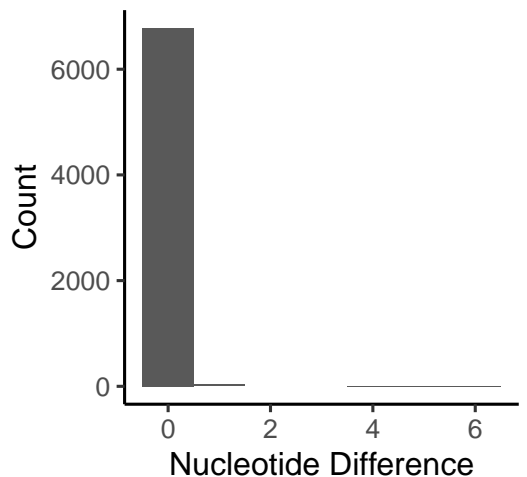
### TRBV30\*ap01

13378 sequences assigned  
13148 (98.3%) exact matches, in which:  
12951 unique CDR3  
13 unique J



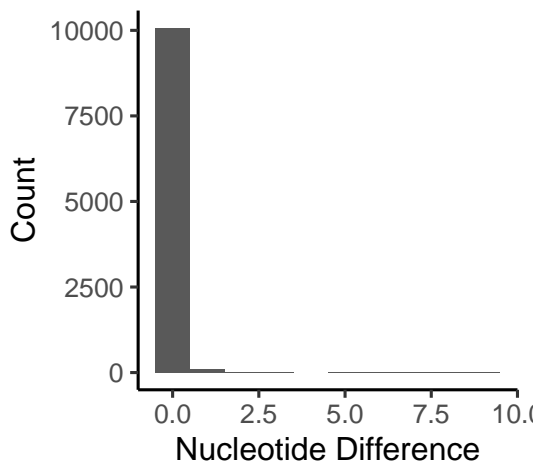
### TRBV18\*ap01

6818 sequences assigned  
6779 (99.4%) exact matches, in which:  
6740 unique CDR3  
13 unique J



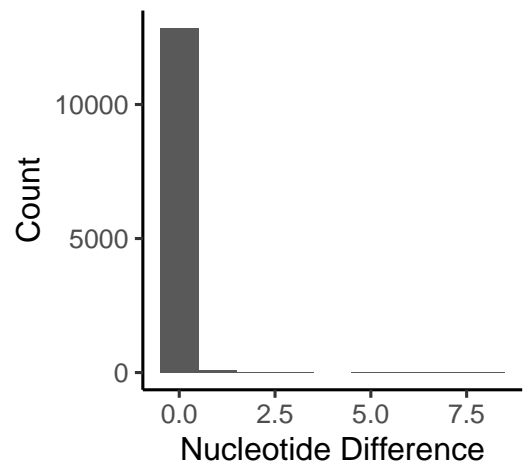
### TRBV27\*ap01

10192 sequences assigned  
10075 (98.9%) exact matches, in which:  
9904 unique CDR3  
13 unique J



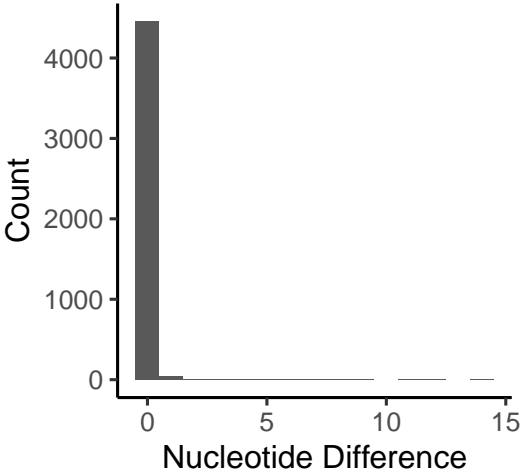
### TRBV9\*ap01

12979 sequences assigned  
12861 (99.1%) exact matches, in which:  
12712 unique CDR3  
13 unique J



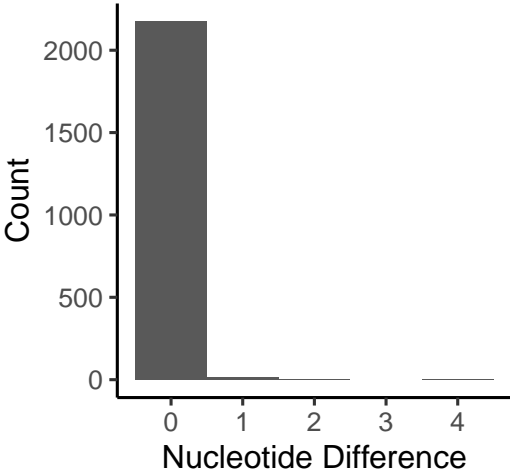
TRBV21-1\*ap01

4528 sequences assigned  
4455 (98.4%) exact matches, in which:  
4413 unique CDR3  
13 unique J



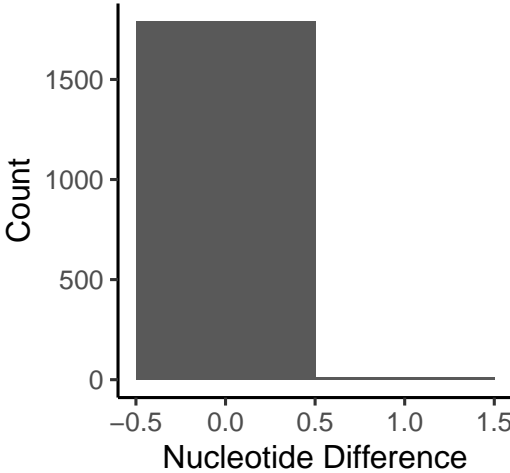
TRBV11-3\*ap01

2195 sequences assigned  
2175 (99.1%) exact matches, in which:  
2157 unique CDR3  
13 unique J



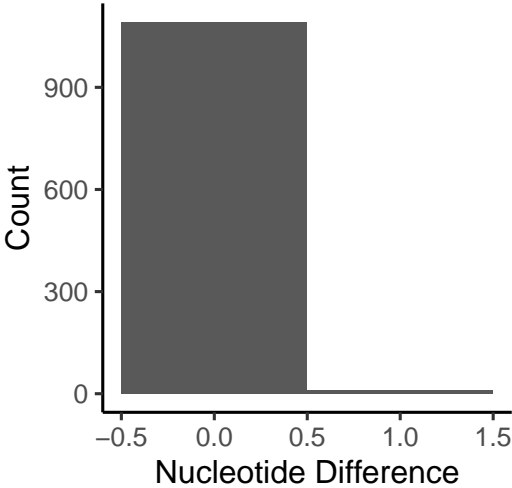
TRBV12-5\*ap01

1802 sequences assigned  
1790 (99.3%) exact matches, in which:  
1771 unique CDR3  
13 unique J



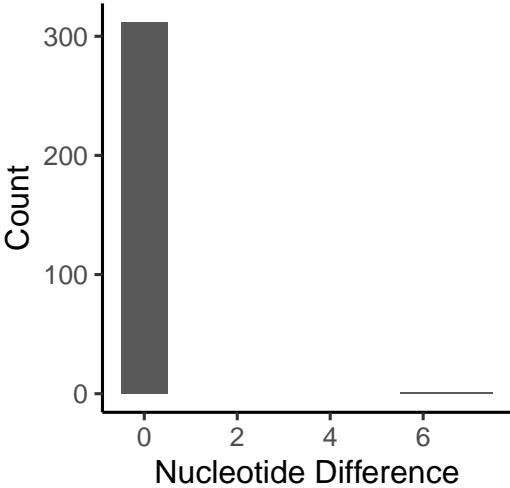
TRBV11-1\*ap01

1102 sequences assigned  
1092 (99.1%) exact matches, in which:  
1076 unique CDR3  
13 unique J



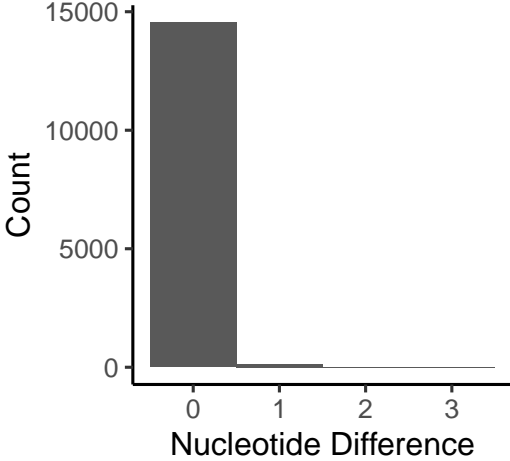
TRBV12-1\*ap01

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



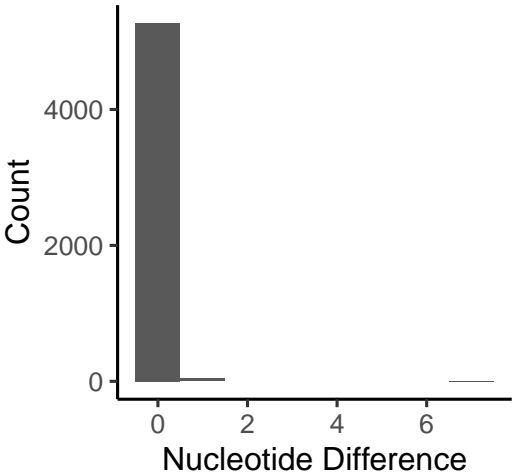
TRBV12-34\*ap01

14701 sequences assigned  
14547 (99%) exact matches, in which:  
14362 unique CDR3  
13 unique J



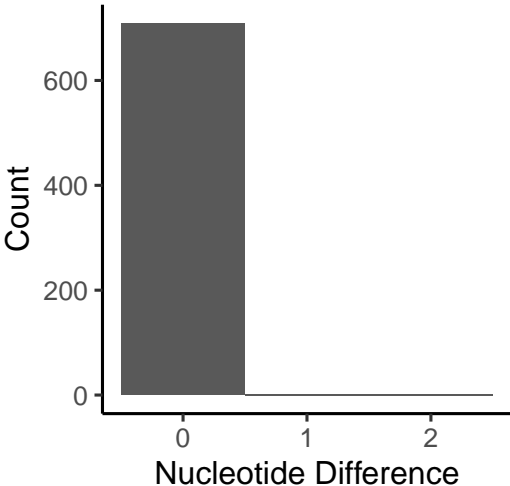
TRBV11-2\*ap01

5316 sequences assigned  
5271 (99.2%) exact matches, in which:  
5221 unique CDR3  
13 unique J



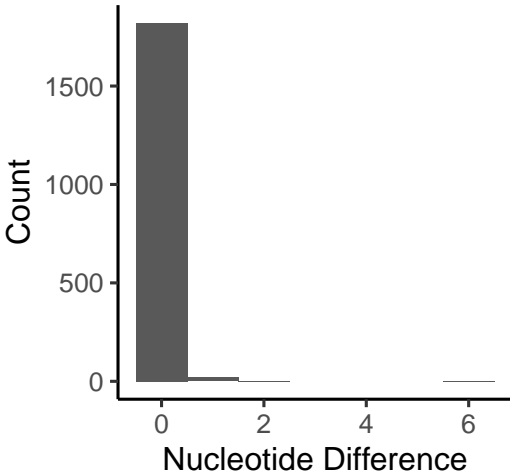
TRBV12-2\*ap01

713 sequences assigned  
709 (99.4%) exact matches, in which:  
694 unique CDR3  
13 unique J



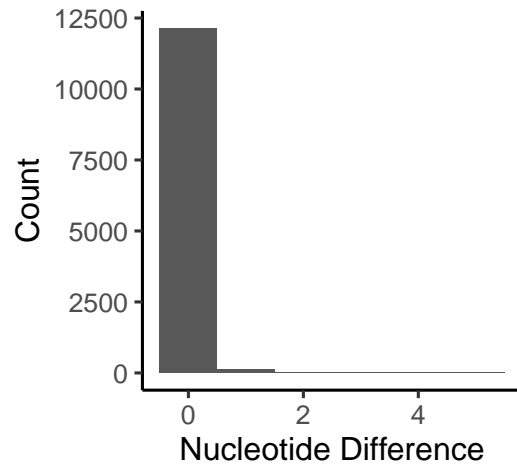
TRBV23-1\*ap01

1843 sequences assigned  
1820 (98.8%) exact matches, in which:  
1801 unique CDR3  
13 unique J



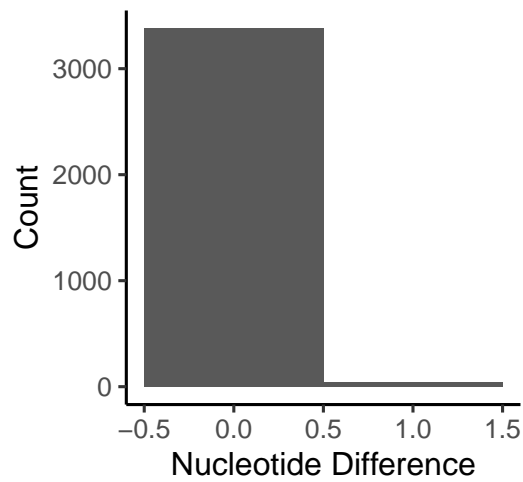
### TRBV3-12\*ap01

12264 sequences assigned  
12143 (99%) exact matches, in which:  
11966 unique CDR3  
13 unique J



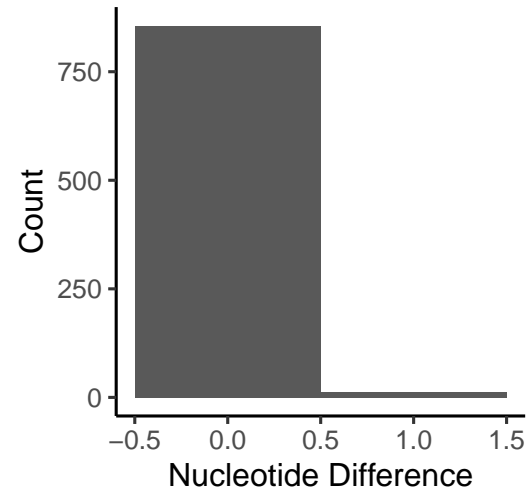
### TRBV4-2\*ap01

3424 sequences assigned  
3380 (98.7%) exact matches, in which:  
3321 unique CDR3  
13 unique J



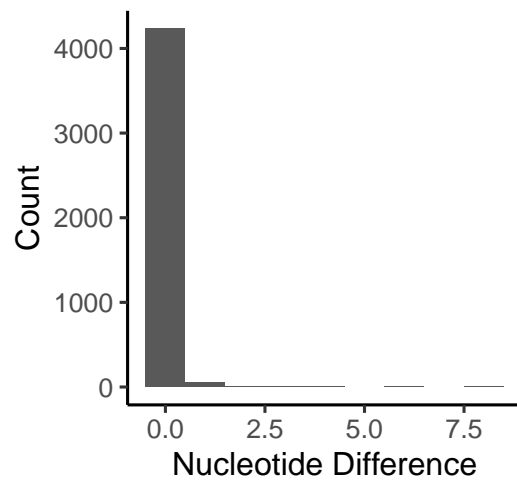
### TRBV5-3\*ap01

868 sequences assigned  
856 (98.6%) exact matches, in which:  
847 unique CDR3  
13 unique J



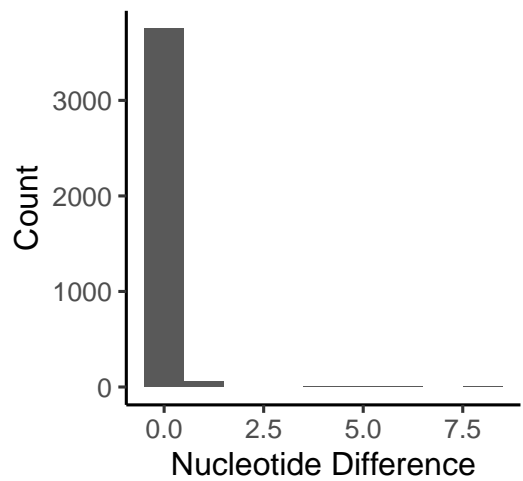
### TRBV24-1\*ap01

4296 sequences assigned  
4233 (98.5%) exact matches, in which:  
4159 unique CDR3  
13 unique J



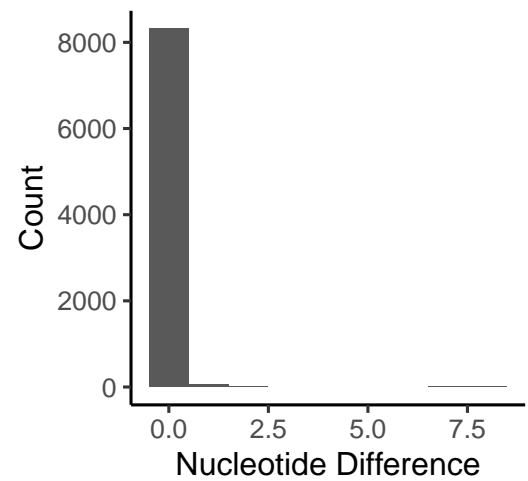
### TRBV25-1\*ap01

3814 sequences assigned  
3750 (98.3%) exact matches, in which:  
3694 unique CDR3  
13 unique J



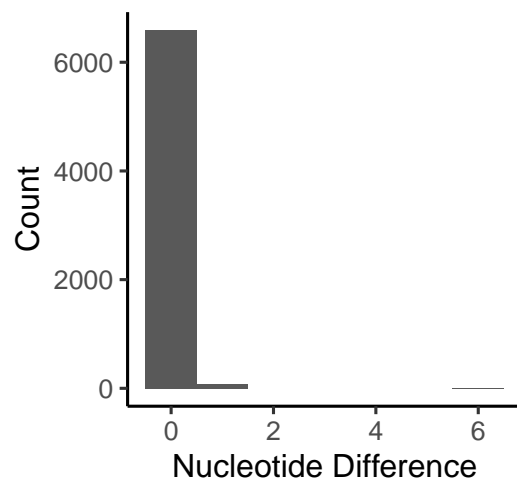
### TRBV5-4\*ap01

8386 sequences assigned  
8316 (99.2%) exact matches, in which:  
8184 unique CDR3  
13 unique J



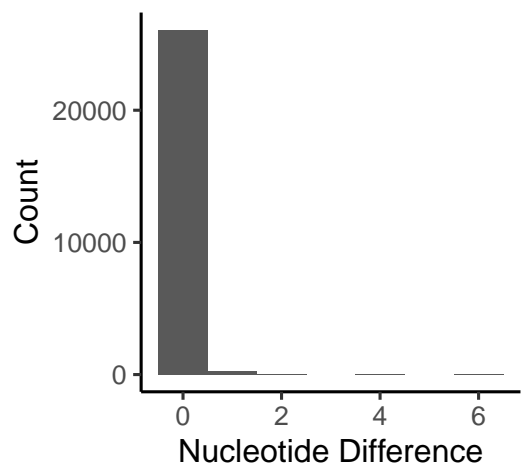
### TRBV4-1\*ap01

6668 sequences assigned  
6593 (98.9%) exact matches, in which:  
6479 unique CDR3  
13 unique J



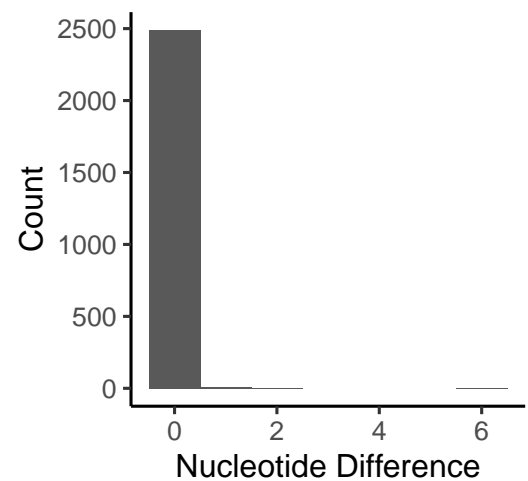
### TRBV5-1\*ap01

26355 sequences assigned  
26086 (99%) exact matches, in which:  
25674 unique CDR3  
13 unique J



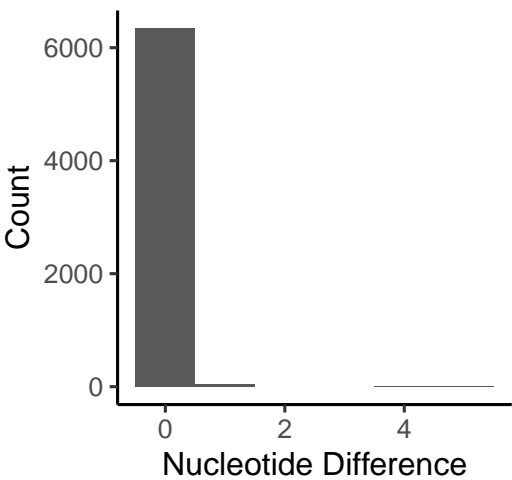
### TRBV5-5\*ap01

2503 sequences assigned  
2490 (99.5%) exact matches, in which:  
2473 unique CDR3  
13 unique J



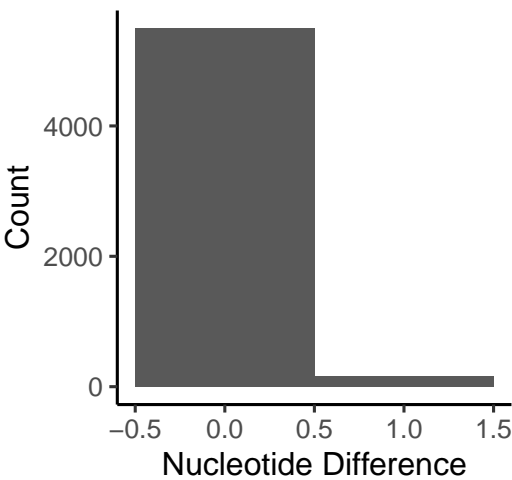
TRBV5-6\*ap01

6395 sequences assigned  
6341 (99.2%) exact matches, in which:  
6208 unique CDR3  
13 unique J



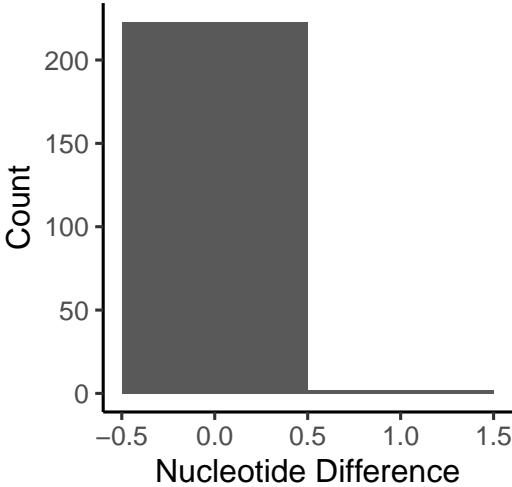
TRBV6-1\*ap01

5654 sequences assigned  
5496 (97.2%) exact matches, in which:  
5404 unique CDR3  
13 unique J



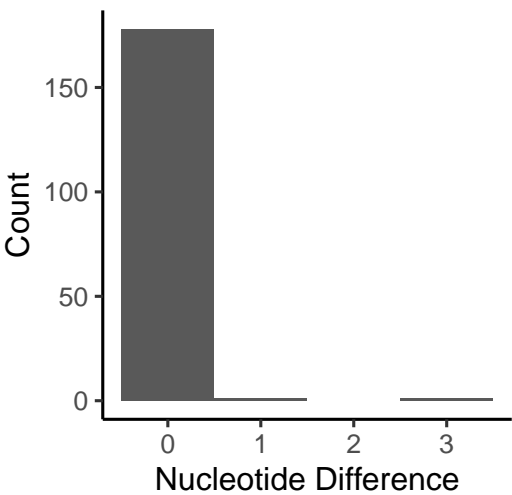
TRBV6-8\*ap01

225 sequences assigned  
223 (99.1%) exact matches, in which:  
219 unique CDR3  
13 unique J



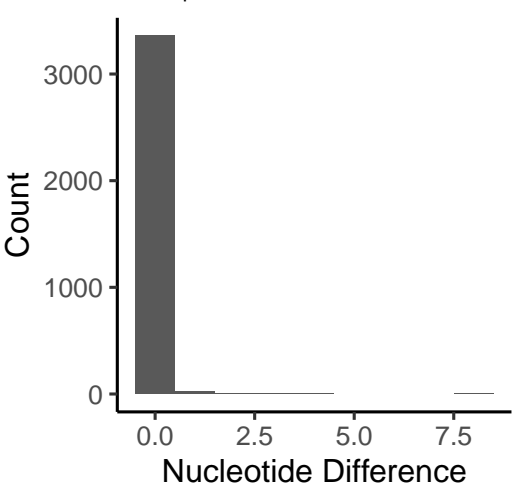
TRBV5-7\*ap01

180 sequences assigned  
178 (98.9%) exact matches, in which:  
171 unique CDR3  
13 unique J



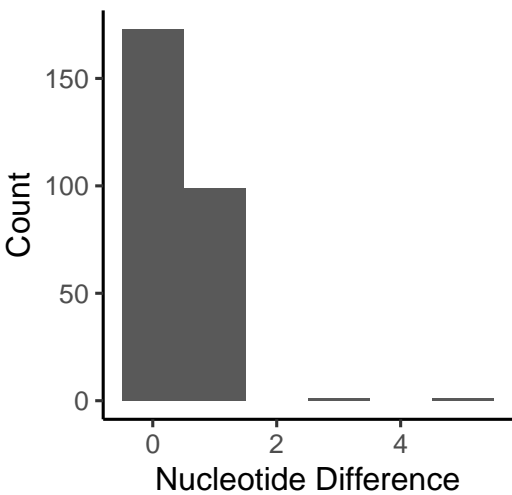
TRBV6-4\*ap01

3396 sequences assigned  
3359 (98.9%) exact matches, in which:  
3325 unique CDR3  
13 unique J



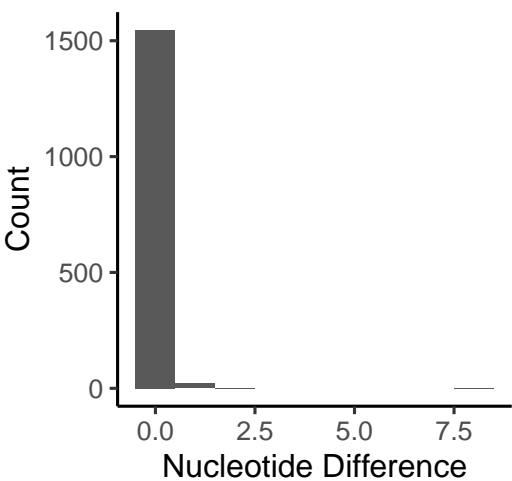
TRBV6-9\*ap01

274 sequences assigned  
173 (63.1%) exact matches, in which:  
170 unique CDR3  
13 unique J



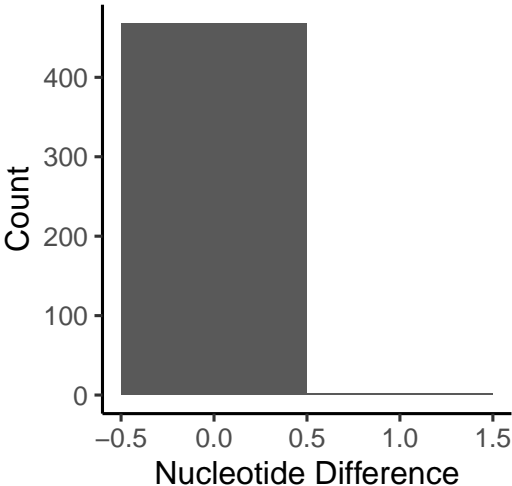
TRBV5-8\*ap01

1569 sequences assigned  
1546 (98.5%) exact matches, in which:  
1535 unique CDR3  
13 unique J



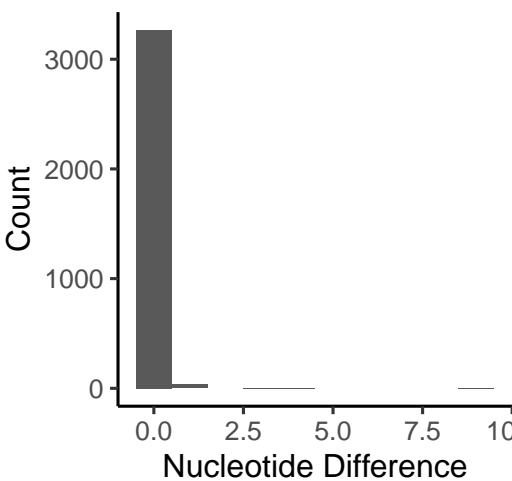
TRBV6-7\*ap01

470 sequences assigned  
468 (99.6%) exact matches, in which:  
462 unique CDR3  
13 unique J



TRBV6-23\*ap01

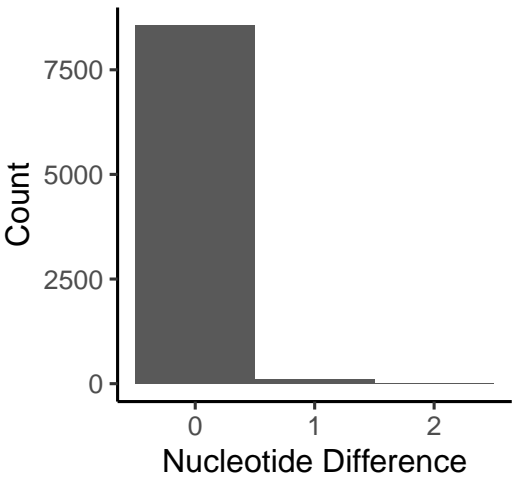
3305 sequences assigned  
3266 (98.8%) exact matches, in which:  
3207 unique CDR3  
13 unique J





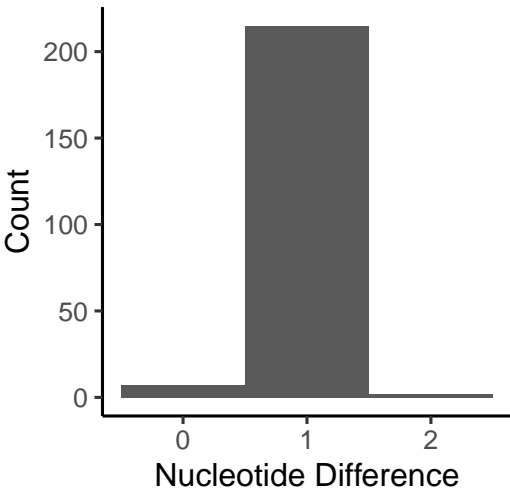
TRBV6-56\*ap01

8663 sequences assigned  
8560 (98.8%) exact matches, in which:  
8406 unique CDR3  
13 unique J



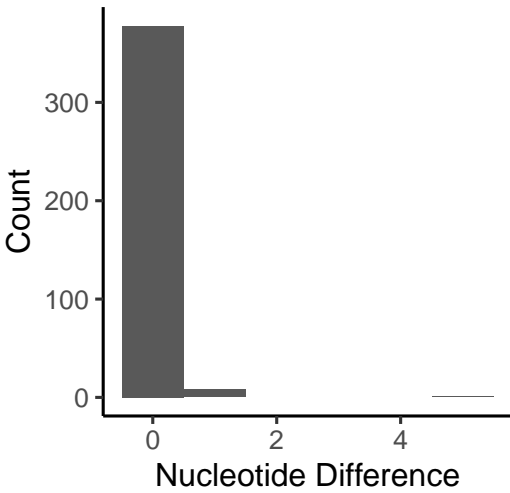
TRBV7-1\*ap01\_T296C\_()

224 sequences assigned  
7 (3.1%) exact matches, in which:  
7 unique CDR3  
4 unique J



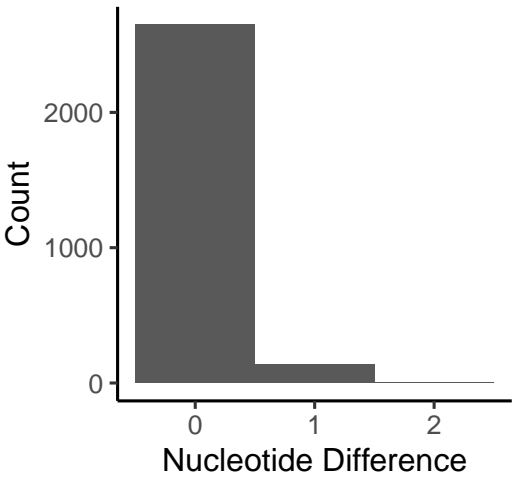
TRBV7-4\*ap01

387 sequences assigned  
378 (97.7%) exact matches, in which:  
373 unique CDR3  
13 unique J



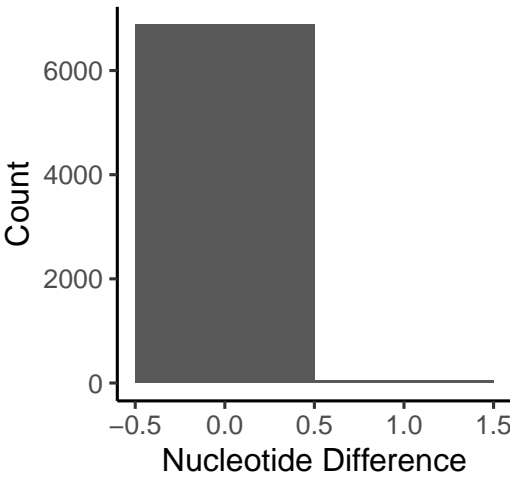
TRBV6-56\*ap02

2789 sequences assigned  
2648 (94.9%) exact matches, in which:  
2603 unique CDR3  
13 unique J



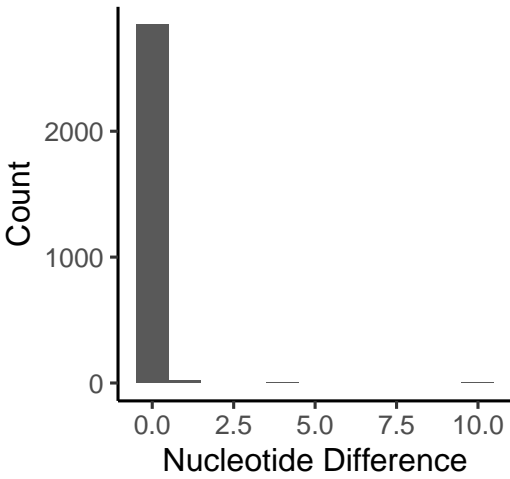
TRBV7-2\*ap01

6926 sequences assigned  
6880 (99.3%) exact matches, in which:  
6817 unique CDR3  
13 unique J



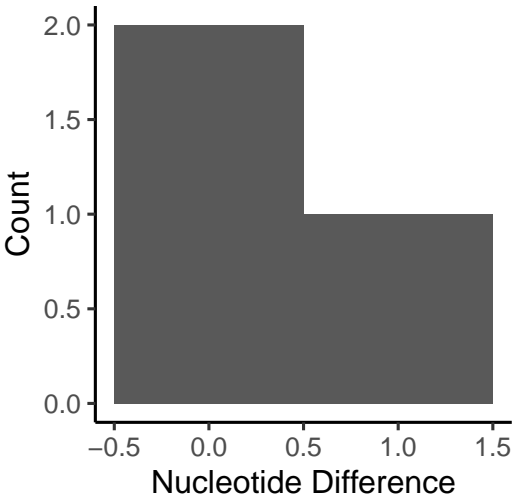
TRBV7-6\*ap01

2869 sequences assigned  
2846 (99.2%) exact matches, in which:  
2812 unique CDR3  
13 unique J



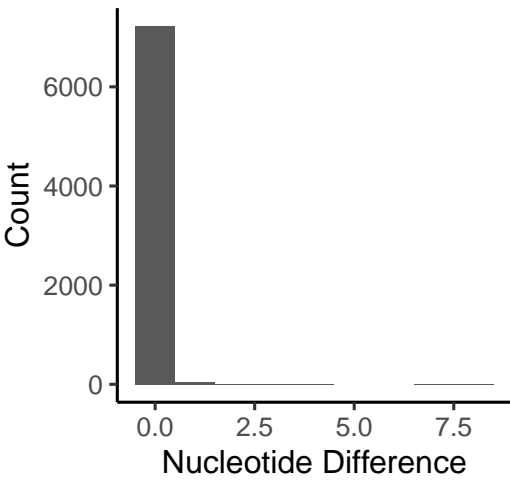
TRBV7-1\*ap01

3 sequences assigned  
2 (66.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



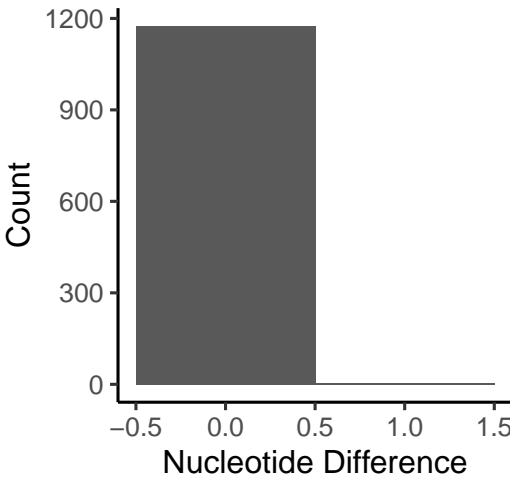
TRBV7-3\*ap01

7283 sequences assigned  
7226 (99.2%) exact matches, in which:  
7160 unique CDR3  
13 unique J



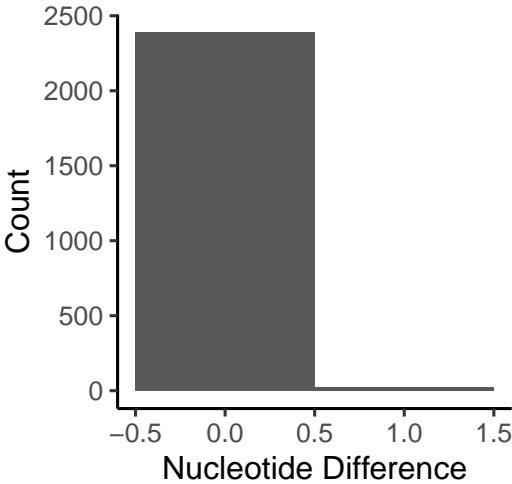
TRBV7-7\*ap01

1179 sequences assigned  
1175 (99.7%) exact matches, in which:  
1161 unique CDR3  
13 unique J



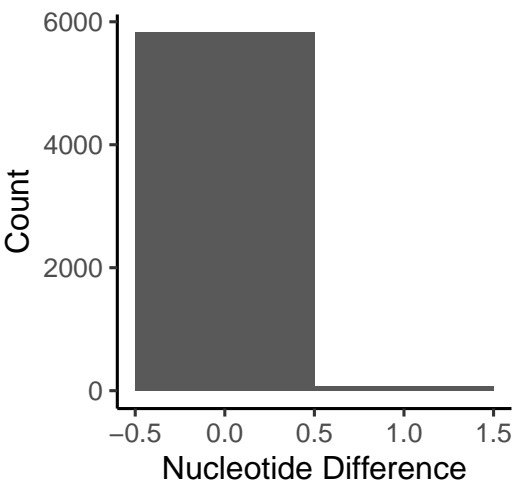
TRBV7-8\*ap01

2412 sequences assigned  
2389 (99%) exact matches, in which:  
2350 unique CDR3  
13 unique J



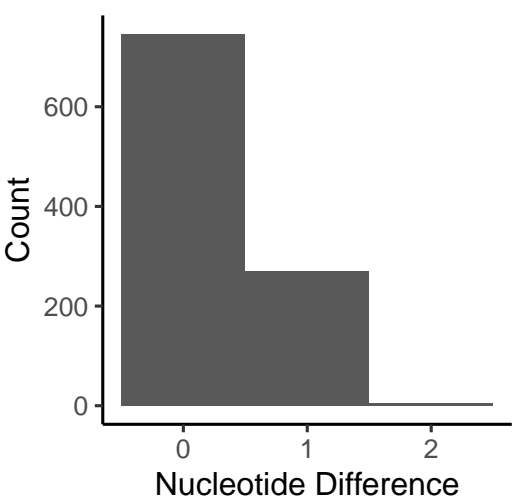
TRBV29-1\*ap01

5902 sequences assigned  
5827 (98.7%) exact matches, in which:  
5733 unique CDR3  
13 unique J



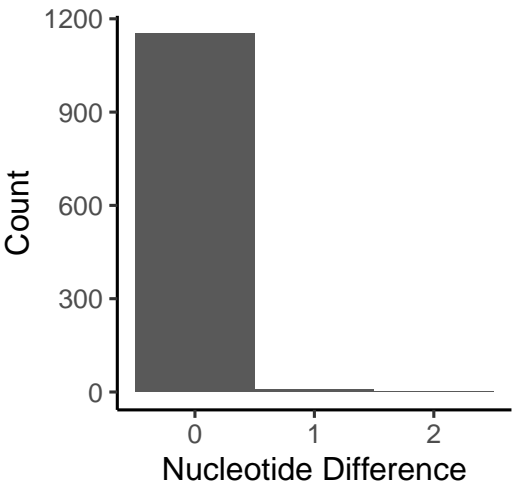
TRBV7-8\*ap03

1021 sequences assigned  
746 (73.1%) exact matches, in which:  
736 unique CDR3  
13 unique J



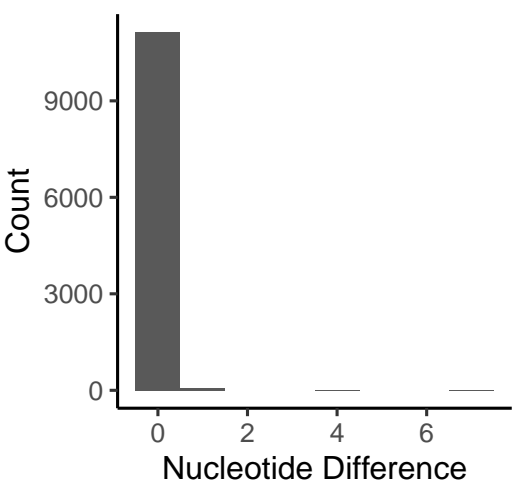
TRBV29-1\*ap02

1161 sequences assigned  
1152 (99.2%) exact matches, in which:  
1130 unique CDR3  
13 unique J

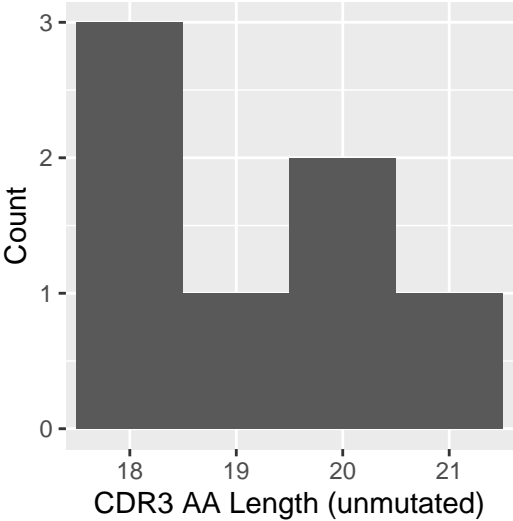


TRBV7-9\*ap01

11216 sequences assigned  
11139 (99.3%) exact matches, in which:  
11035 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C\_C314T





[illegible]