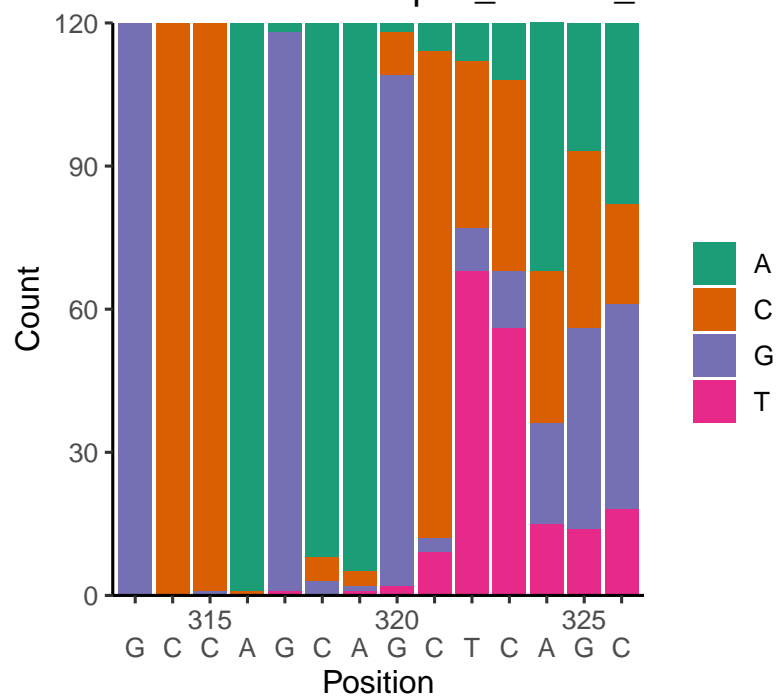
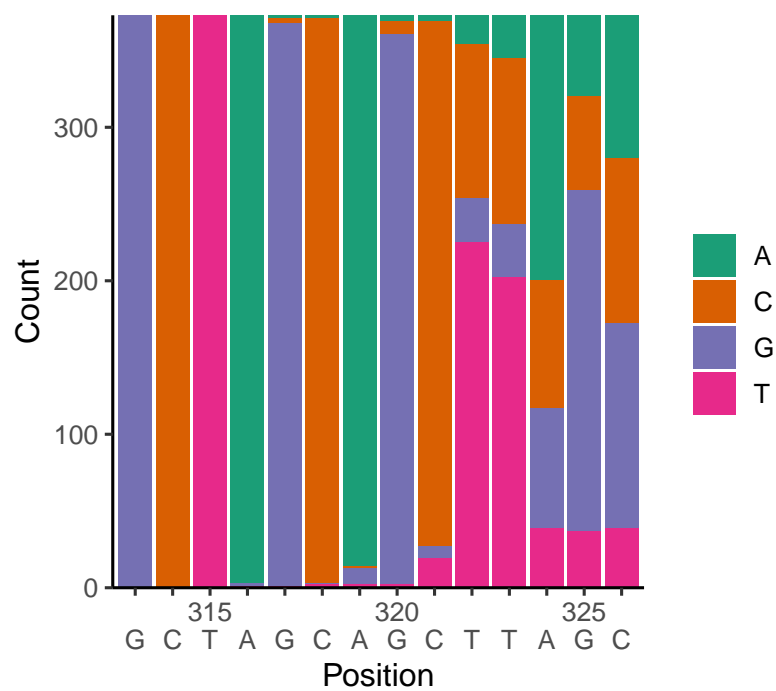


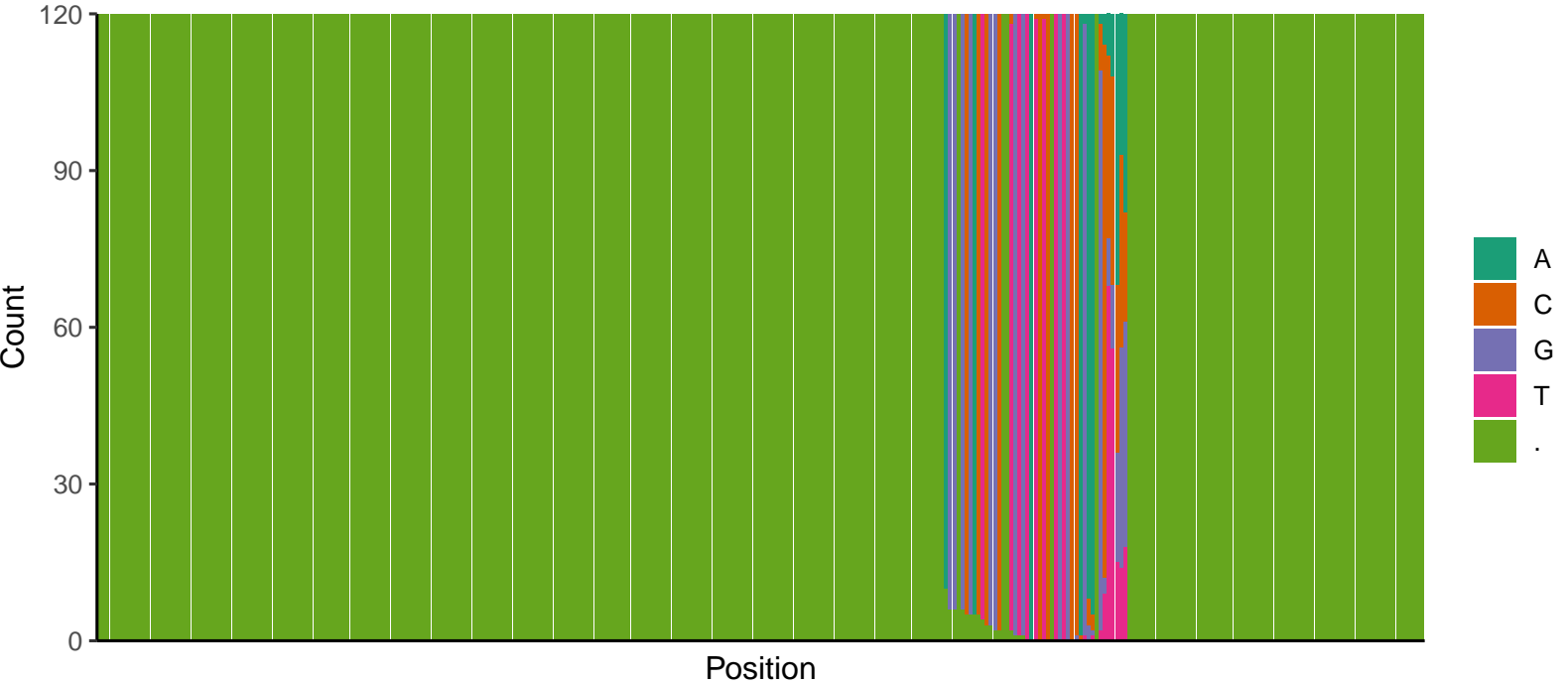
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



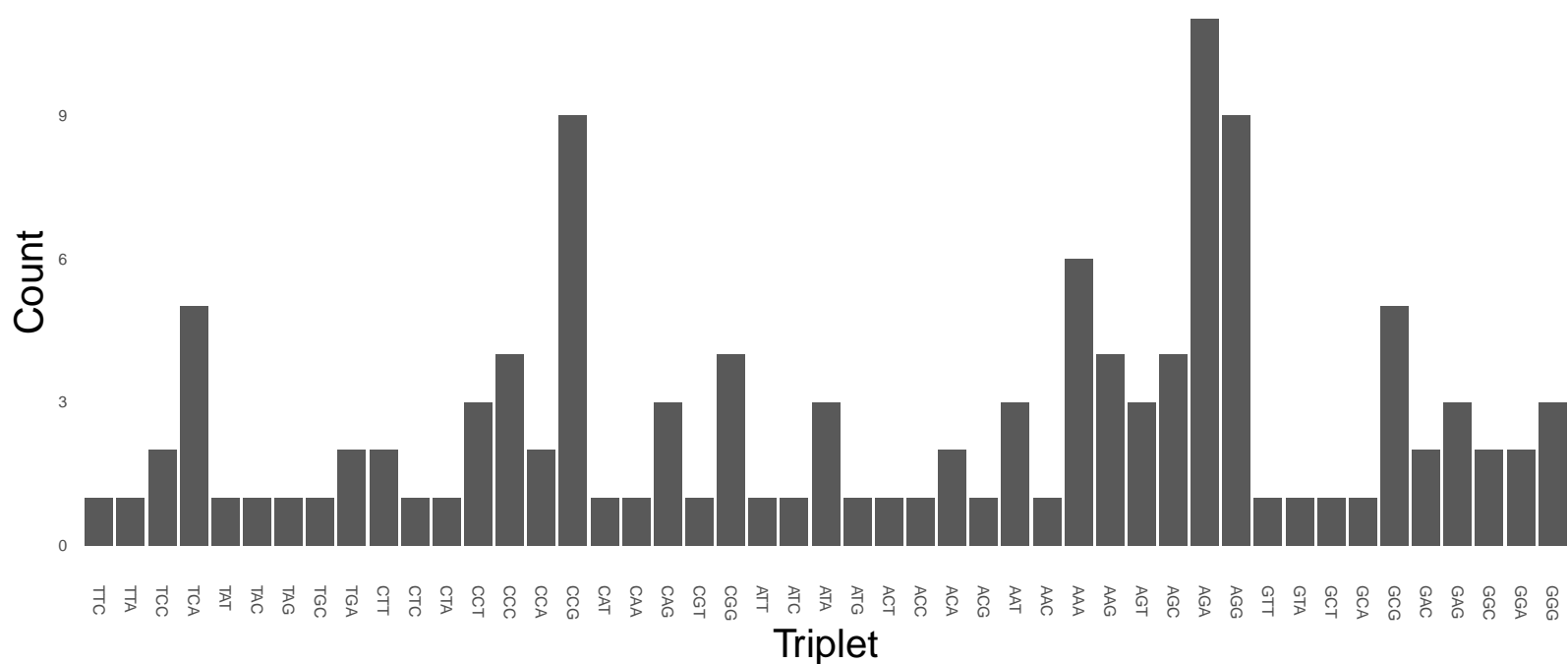
Gene TRBV7-1\*ap01\_G291C\_T296C



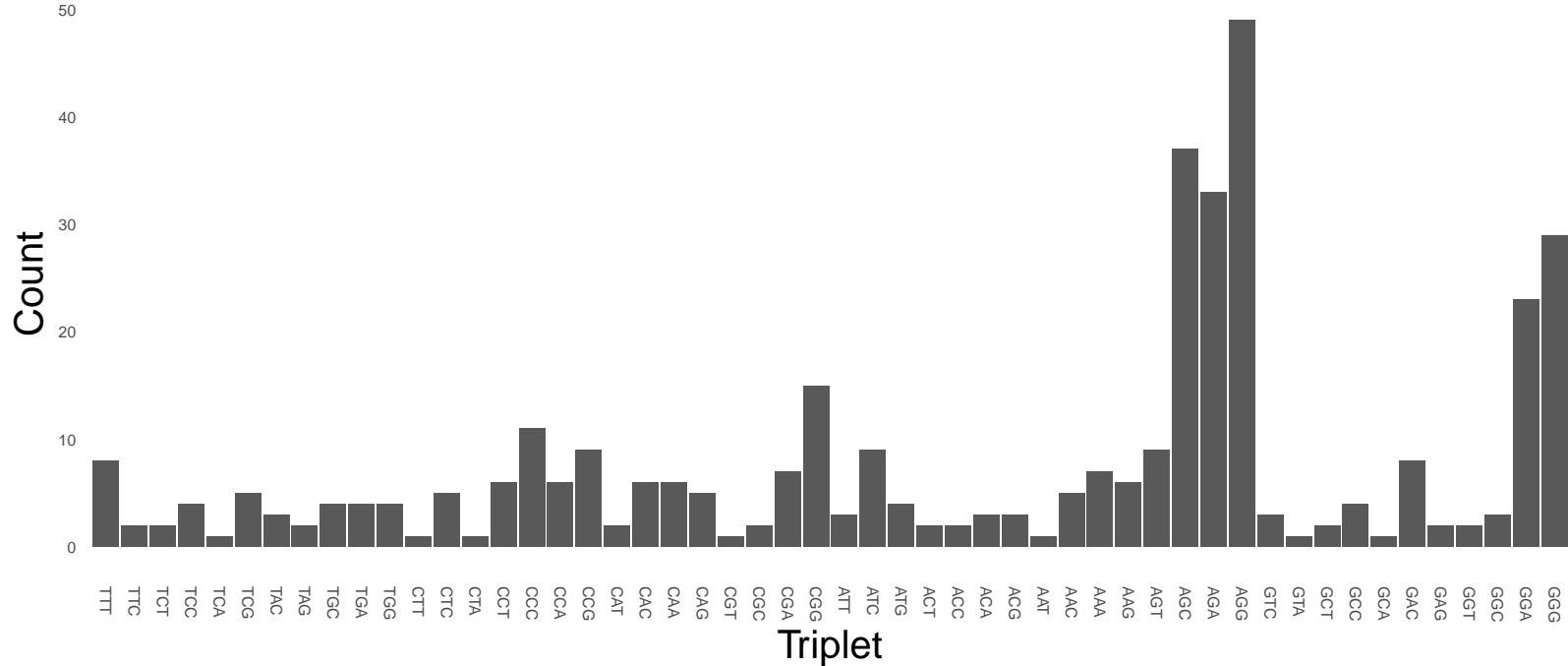
Gene TRBV7-7\*ap01\_C315T



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

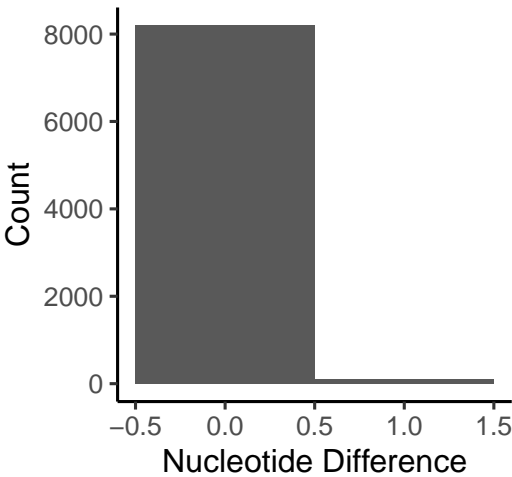


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



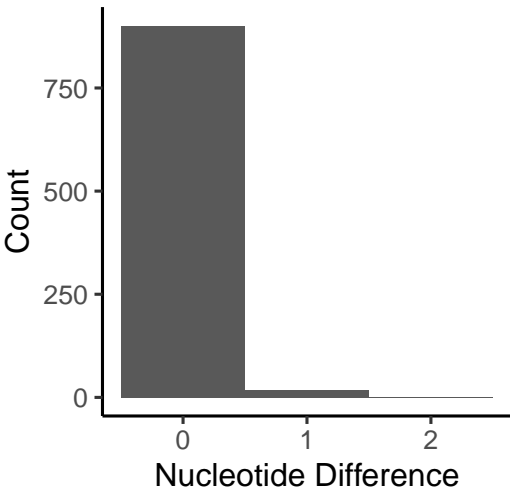
TRBV20-1\*ap01

8304 sequences assigned  
8198 (98.7%) exact matches, in which:  
7999 unique CDR3  
13 unique J



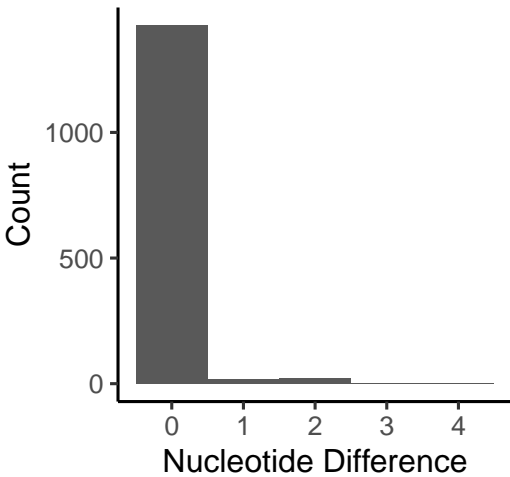
TRBV10-2\*ap01

920 sequences assigned  
901 (97.9%) exact matches, in which:  
876 unique CDR3  
13 unique J



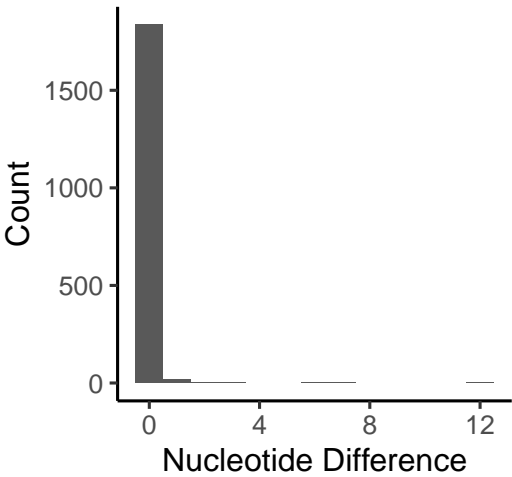
TRBV13\*ap01

1469 sequences assigned  
1426 (97.1%) exact matches, in which:  
1372 unique CDR3  
13 unique J



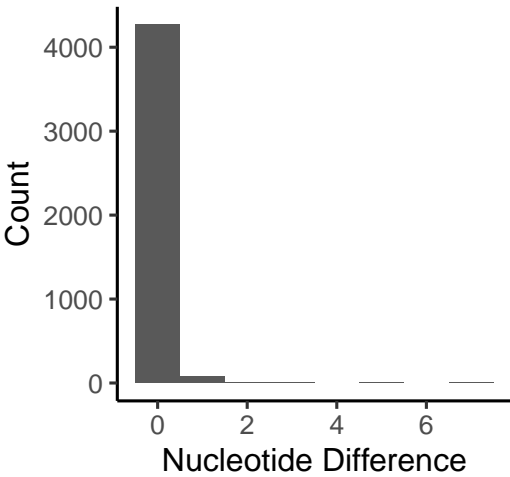
TRBV10-1\*ap01

1860 sequences assigned  
1836 (98.7%) exact matches, in which:  
1771 unique CDR3  
13 unique J



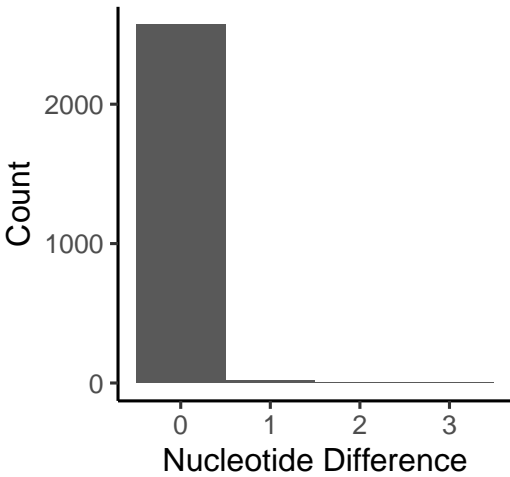
TRBV10-3\*ap01

4349 sequences assigned  
4268 (98.1%) exact matches, in which:  
4144 unique CDR3  
13 unique J



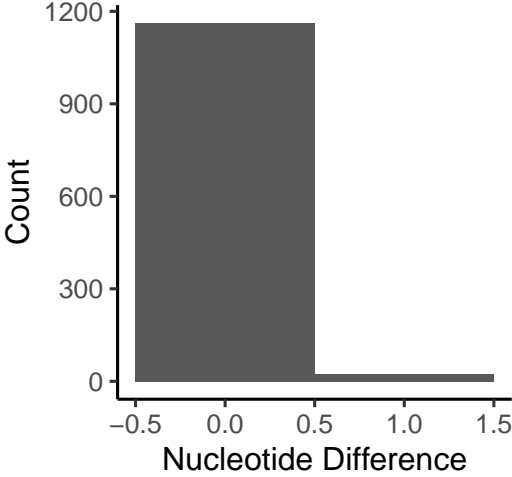
TRBV14\*ap01

2592 sequences assigned  
2570 (99.2%) exact matches, in which:  
2524 unique CDR3  
13 unique J



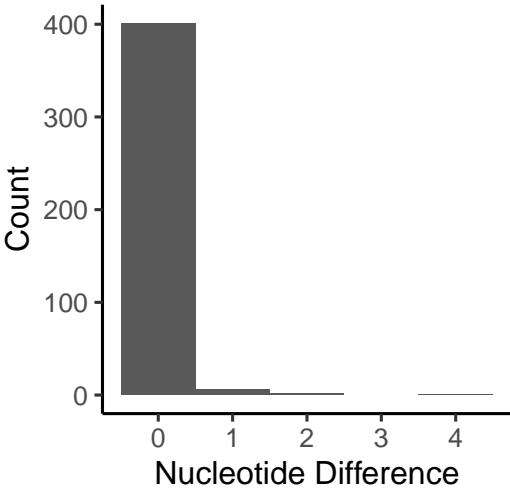
TRBV20-1\*ap02

1185 sequences assigned  
1162 (98.1%) exact matches, in which:  
1142 unique CDR3  
13 unique J



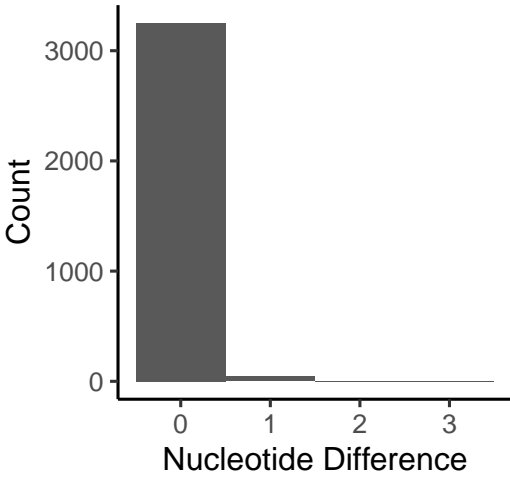
TRBV1\*ap01

410 sequences assigned  
401 (97.8%) exact matches, in which:  
389 unique CDR3  
13 unique J



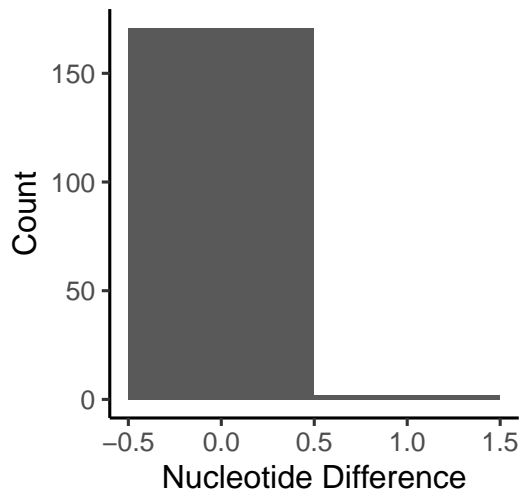
TRBV15\*ap02

3299 sequences assigned  
3251 (98.5%) exact matches, in which:  
3152 unique CDR3  
13 unique J



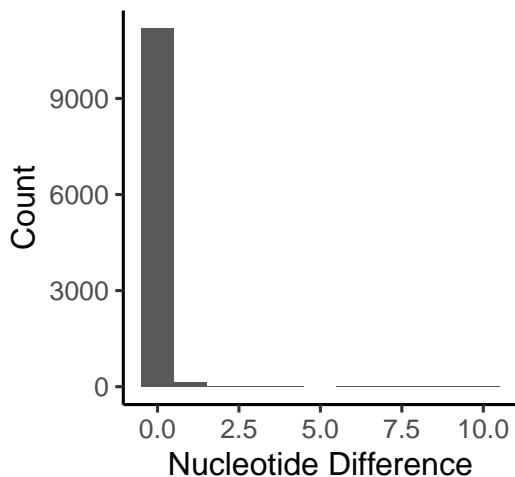
### TRBV16\*ap01

173 sequences assigned  
171 (98.8%) exact matches, in which:  
170 unique CDR3  
13 unique J



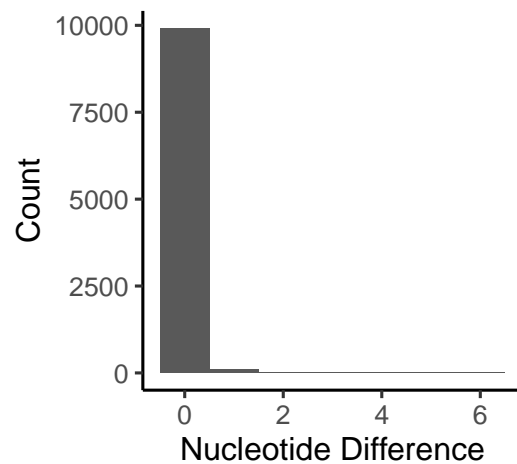
### TRBV19\*ap01

11352 sequences assigned  
11187 (98.5%) exact matches, in which:  
11025 unique CDR3  
13 unique J



### TRBV27\*ap01

10032 sequences assigned  
9919 (98.9%) exact matches, in which:  
9745 unique CDR3  
13 unique J



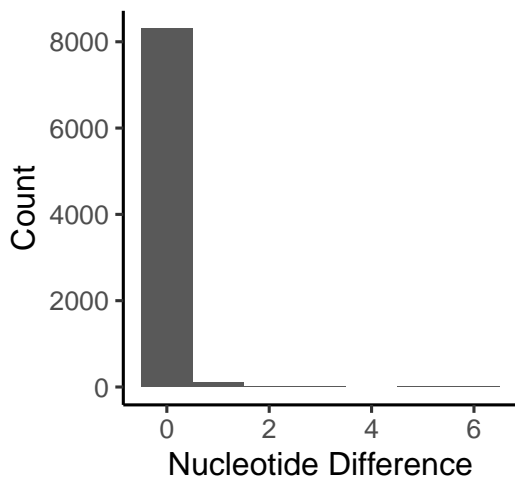
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



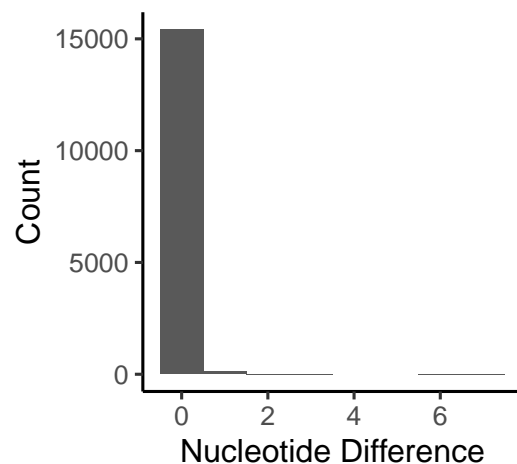
### TRBV2\*ap01

8417 sequences assigned  
8302 (98.6%) exact matches, in which:  
8084 unique CDR3  
13 unique J



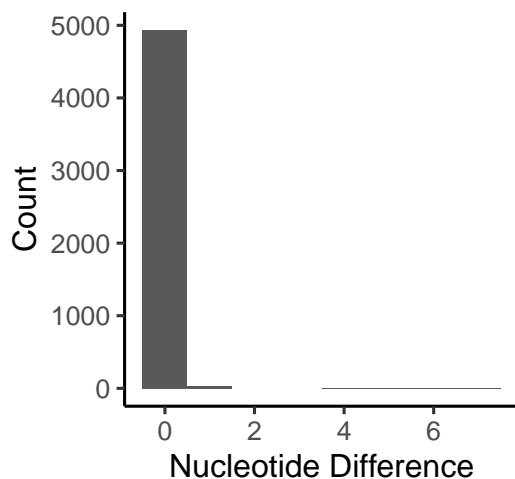
### TRBV28\*ap01

15543 sequences assigned  
15419 (99.2%) exact matches, in which:  
15198 unique CDR3  
13 unique J



### TRBV18\*ap01

4975 sequences assigned  
4935 (99.2%) exact matches, in which:  
4866 unique CDR3  
13 unique J



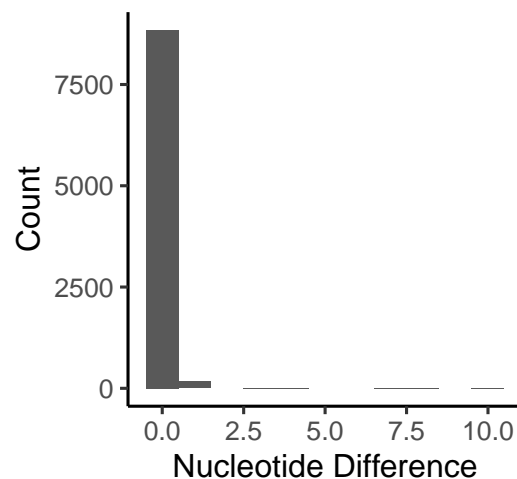
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



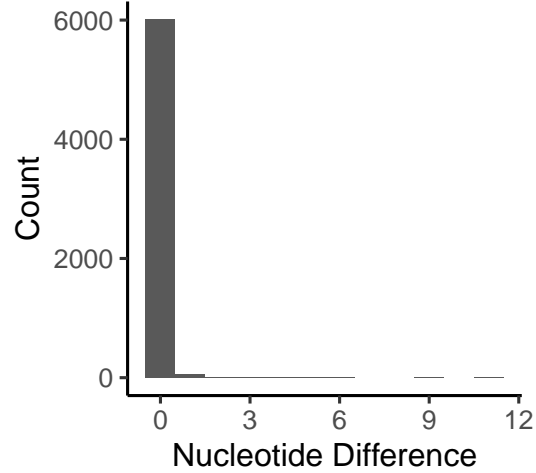
### TRBV30\*ap01

9018 sequences assigned  
8844 (98.1%) exact matches, in which:  
8537 unique CDR3  
13 unique J



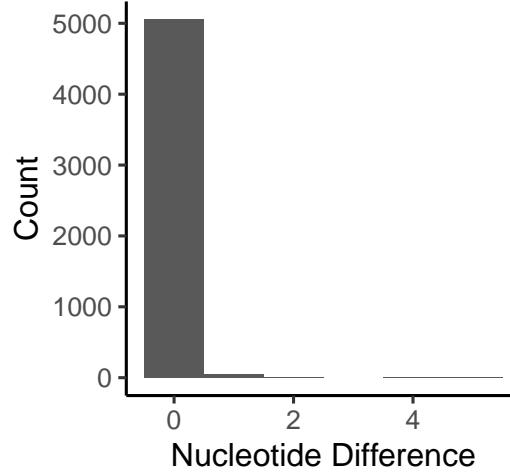
### TRBV9\*ap01

6076 sequences assigned  
6011 (98.9%) exact matches, in which:  
5902 unique CDR3  
13 unique J



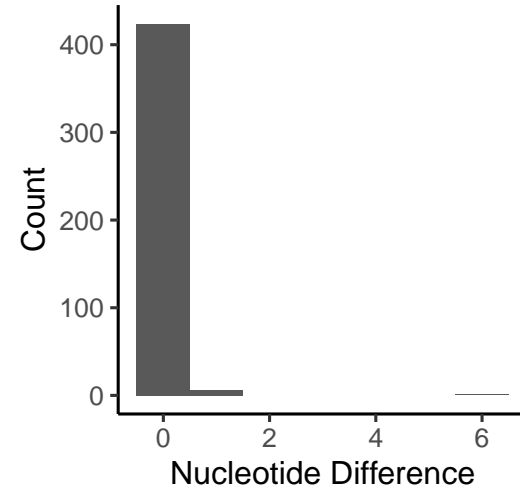
### TRBV11-2\*ap01

5115 sequences assigned  
5055 (98.8%) exact matches, in which:  
4943 unique CDR3  
13 unique J



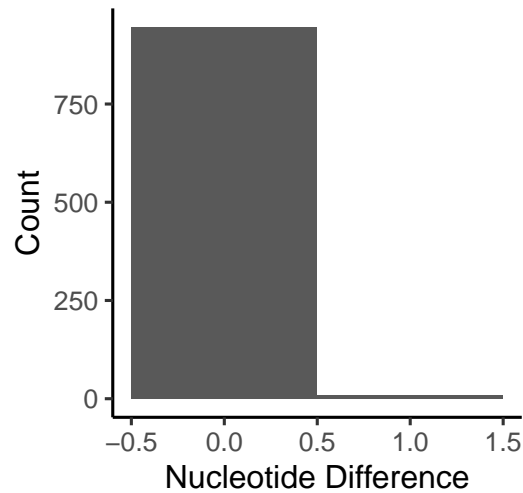
### TRBV12-2\*ap01

431 sequences assigned  
424 (98.4%) exact matches, in which:  
421 unique CDR3  
13 unique J



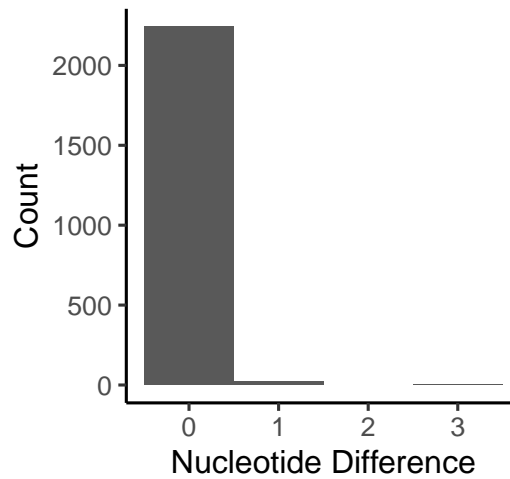
### TRBV11-1\*ap01

955 sequences assigned  
946 (99.1%) exact matches, in which:  
928 unique CDR3  
13 unique J



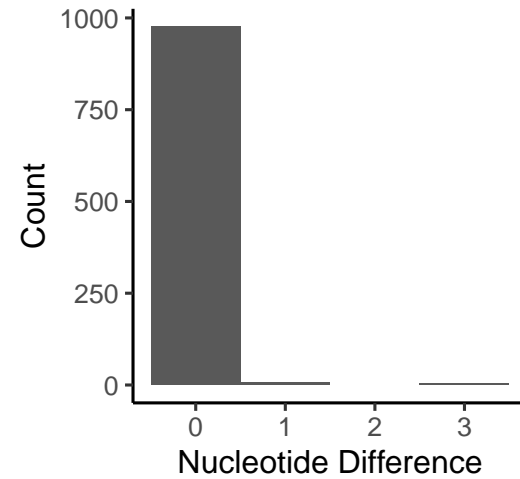
### TRBV11-3\*ap01

2262 sequences assigned  
2242 (99.1%) exact matches, in which:  
2201 unique CDR3  
13 unique J



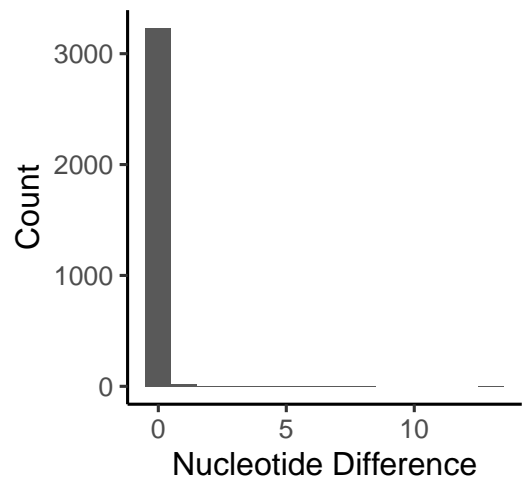
### TRBV12-5\*ap01

986 sequences assigned  
976 (99%) exact matches, in which:  
958 unique CDR3  
13 unique J



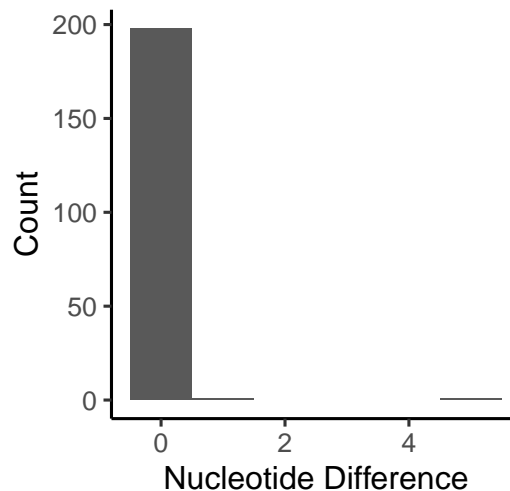
### TRBV21-1\*ap01

3273 sequences assigned  
3231 (98.7%) exact matches, in which:  
3207 unique CDR3  
13 unique J



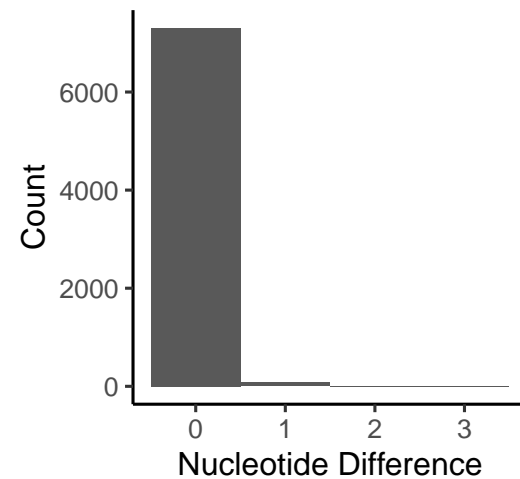
### TRBV12-1\*ap01

200 sequences assigned  
198 (99%) exact matches, in which:  
193 unique CDR3  
12 unique J



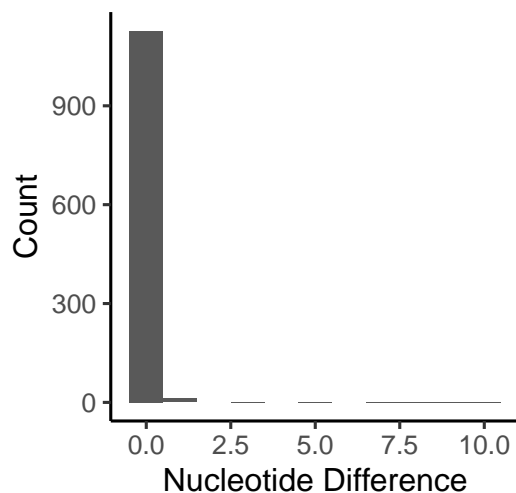
### TRBV12-34\*ap01

7383 sequences assigned  
7304 (98.9%) exact matches, in which:  
7158 unique CDR3  
13 unique J



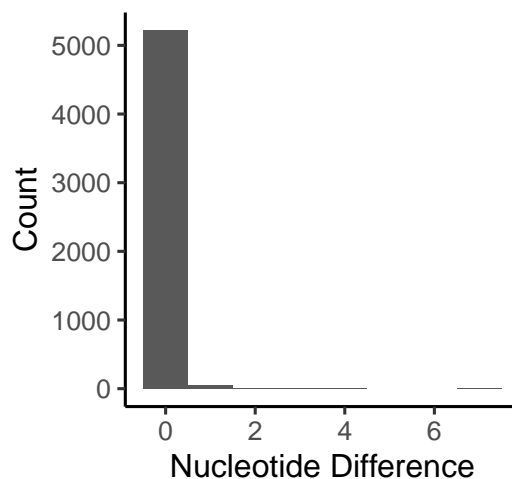
### TRBV23-1\*ap01

1148 sequences assigned  
1128 (98.3%) exact matches, in which:  
1117 unique CDR3  
13 unique J



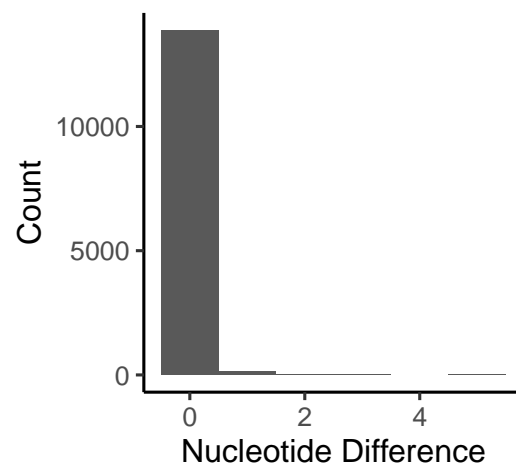
### TRBV4-1\*ap01

5279 sequences assigned  
5218 (98.8%) exact matches, in which:  
5071 unique CDR3  
13 unique J



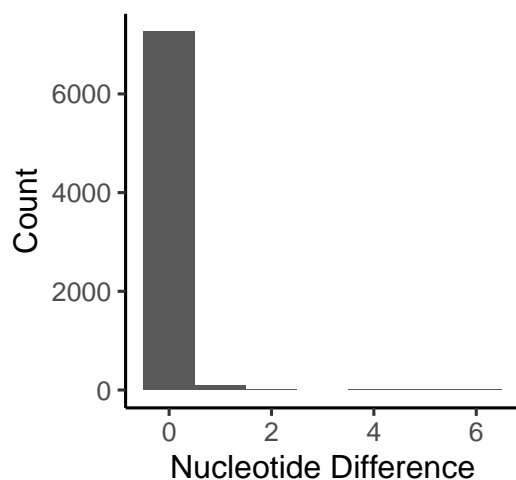
### TRBV5-1\*ap01

14041 sequences assigned  
13877 (98.8%) exact matches, in which:  
13402 unique CDR3  
13 unique J



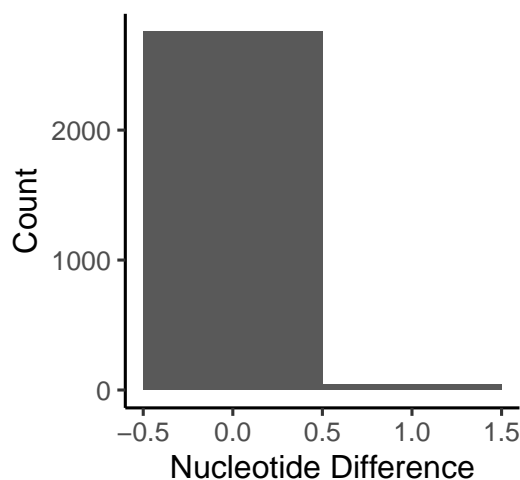
### TRBV3-12\*ap01

7352 sequences assigned  
7260 (98.7%) exact matches, in which:  
7079 unique CDR3  
13 unique J



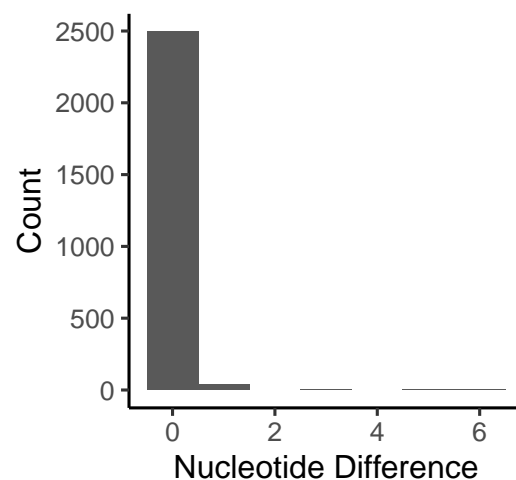
### TRBV4-2\*ap01

2796 sequences assigned  
2757 (98.6%) exact matches, in which:  
2682 unique CDR3  
13 unique J



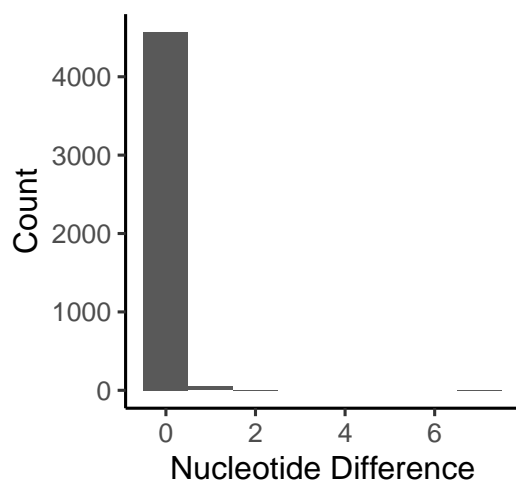
### TRBV25-1\*ap01

2541 sequences assigned  
2495 (98.2%) exact matches, in which:  
2410 unique CDR3  
13 unique J



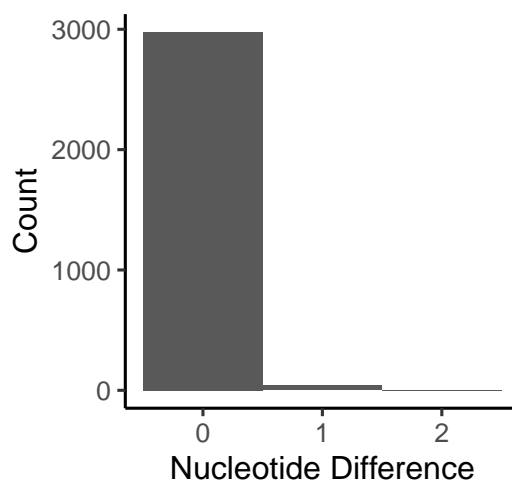
### TRBV24-1\*ap01

4625 sequences assigned  
4570 (98.8%) exact matches, in which:  
4476 unique CDR3  
14 unique J



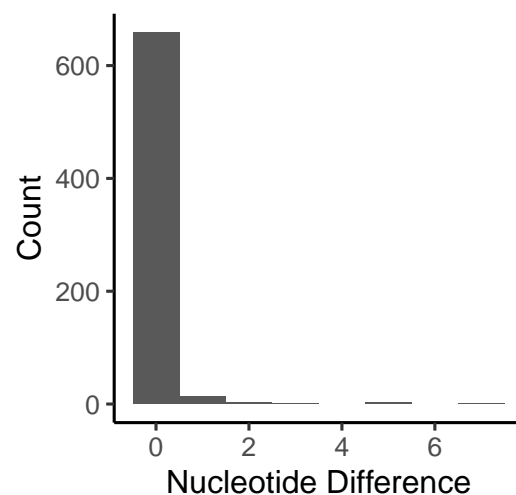
### TRBV4-3\*ap01

3019 sequences assigned  
2977 (98.6%) exact matches, in which:  
2887 unique CDR3  
13 unique J



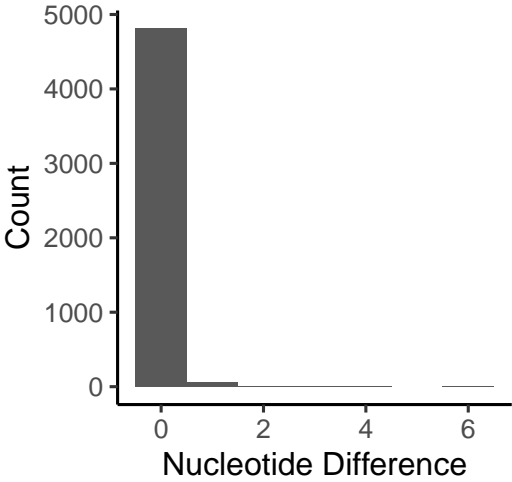
### TRBV5-3\*ap01

678 sequences assigned  
659 (97.2%) exact matches, in which:  
645 unique CDR3  
13 unique J



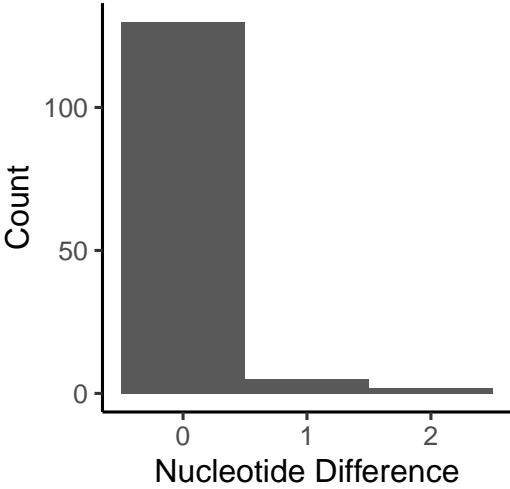
TRBV5-4\*ap01

4885 sequences assigned  
4813 (98.5%) exact matches, in which:  
4702 unique CDR3  
13 unique J



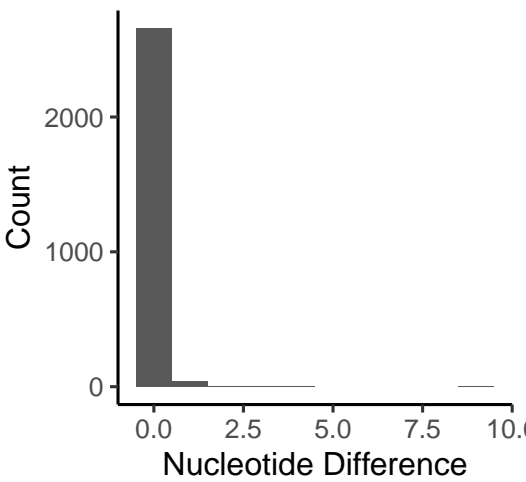
TRBV5-7\*ap01

137 sequences assigned  
130 (94.9%) exact matches, in which:  
123 unique CDR3  
13 unique J



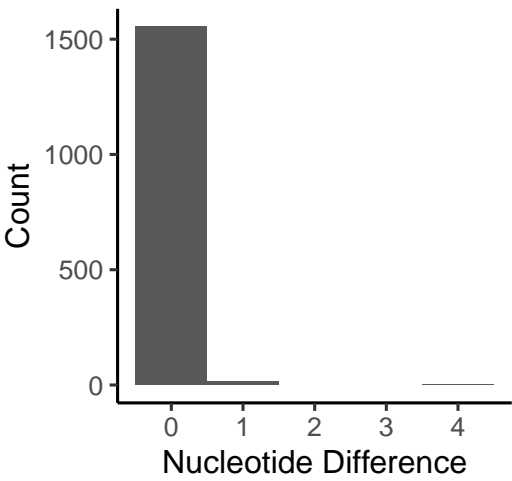
TRBV6-4\*ap01

2705 sequences assigned  
2657 (98.2%) exact matches, in which:  
2618 unique CDR3  
13 unique J



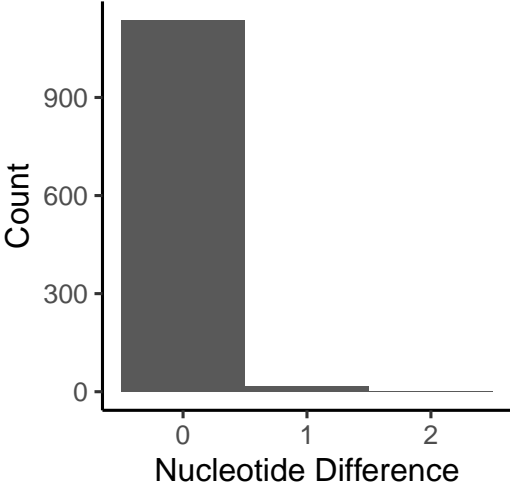
TRBV5-5\*ap01

1572 sequences assigned  
1554 (98.9%) exact matches, in which:  
1537 unique CDR3  
13 unique J



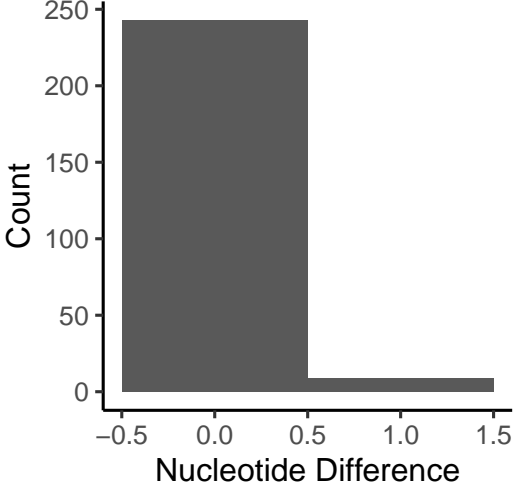
TRBV5-8\*ap01

1156 sequences assigned  
1137 (98.4%) exact matches, in which:  
1121 unique CDR3  
13 unique J



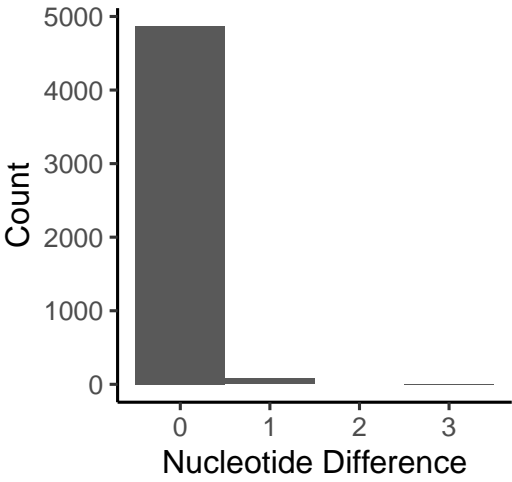
TRBV6-7\*ap01

252 sequences assigned  
243 (96.4%) exact matches, in which:  
238 unique CDR3  
13 unique J



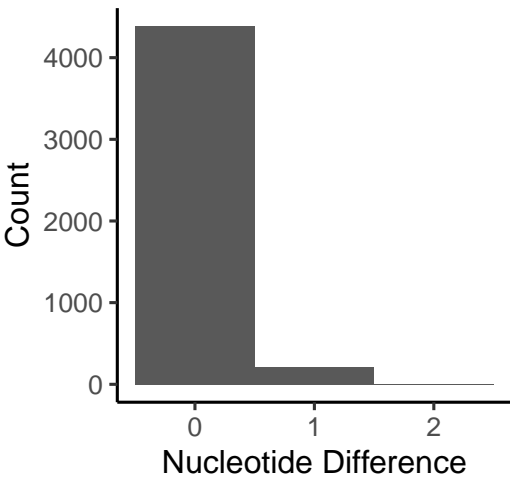
TRBV5-6\*ap01

4950 sequences assigned  
4870 (98.4%) exact matches, in which:  
4662 unique CDR3  
13 unique J



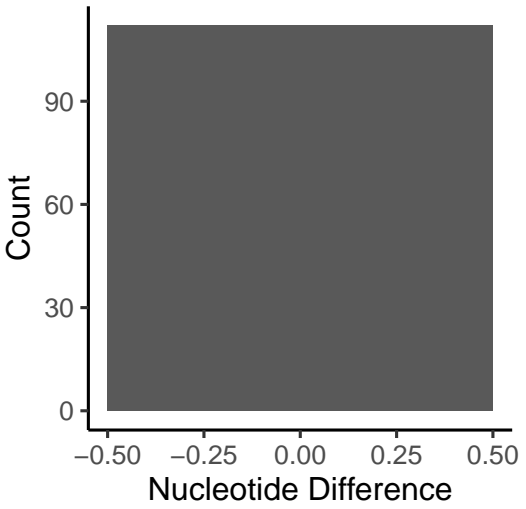
TRBV6-1\*ap01

4602 sequences assigned  
4387 (95.3%) exact matches, in which:  
4209 unique CDR3  
13 unique J



TRBV6-8\*ap01

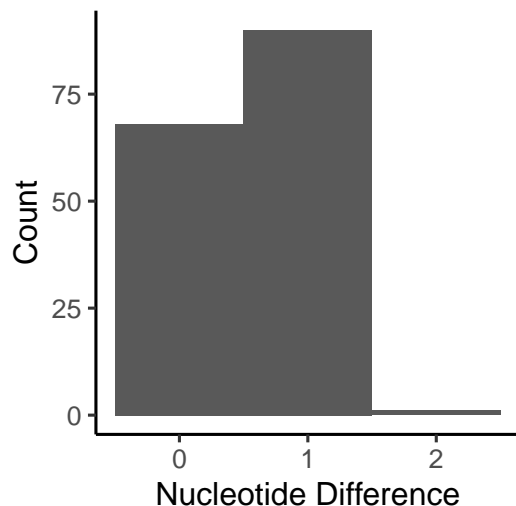
112 sequences assigned  
112 (100%) exact matches, in which:  
109 unique CDR3  
13 unique J





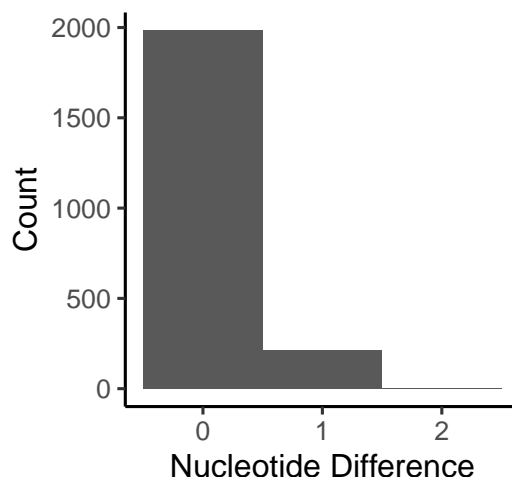
### TRBV6-9\*ap01

159 sequences assigned  
68 (42.8%) exact matches, in which:  
63 unique CDR3  
13 unique J



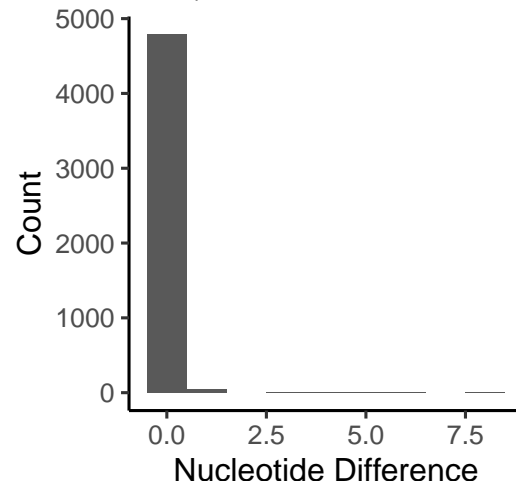
### TRBV6-56\*ap02

2197 sequences assigned  
1984 (90.3%) exact matches, in which:  
1914 unique CDR3  
13 unique J



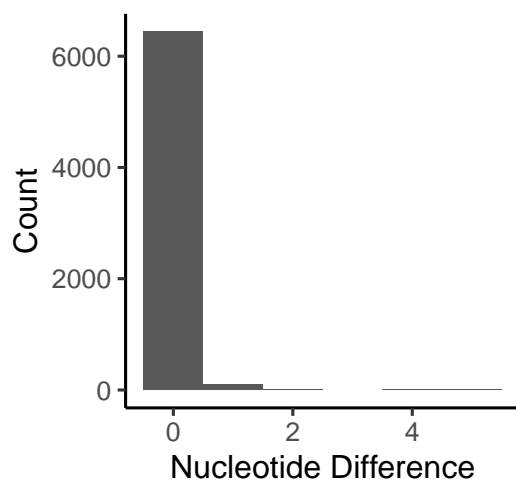
### TRBV7-3\*ap01

4843 sequences assigned  
4789 (98.9%) exact matches, in which:  
4702 unique CDR3  
13 unique J



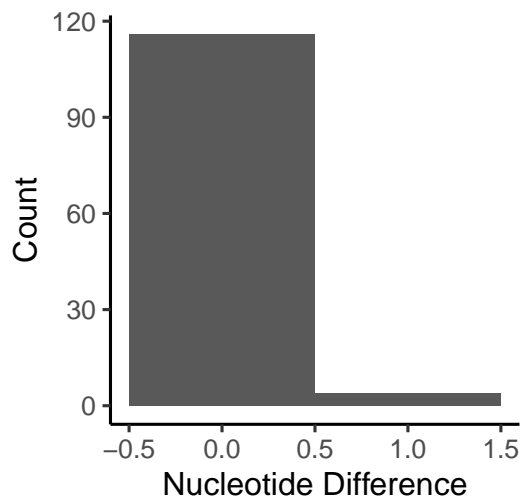
### TRBV6-23\*ap01

6535 sequences assigned  
6440 (98.5%) exact matches, in which:  
6130 unique CDR3  
13 unique J



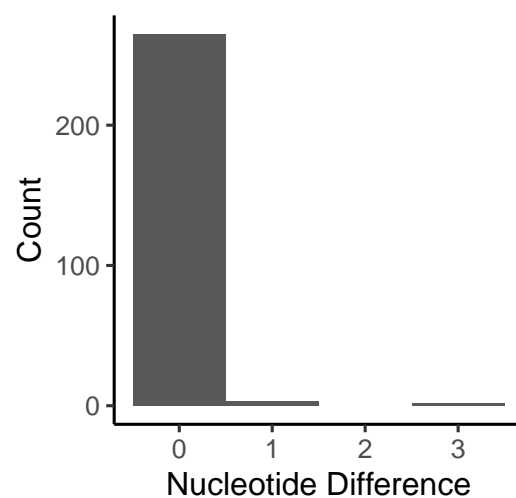
### TRBV7-1\*ap01\_G291C\_

120 sequences assigned  
116 (96.7%) exact matches, in which:  
112 unique CDR3  
12 unique J



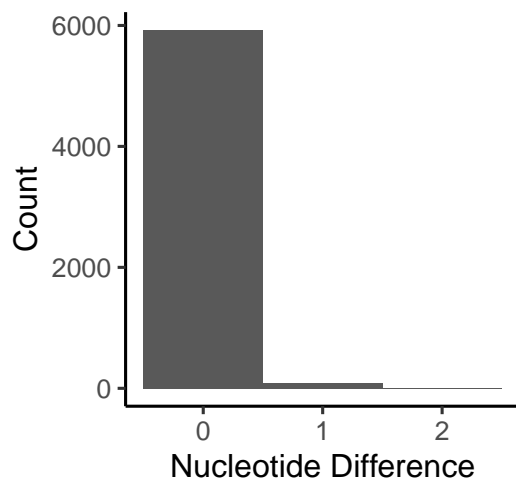
### TRBV7-4\*ap01

270 sequences assigned  
265 (98.1%) exact matches, in which:  
259 unique CDR3  
13 unique J



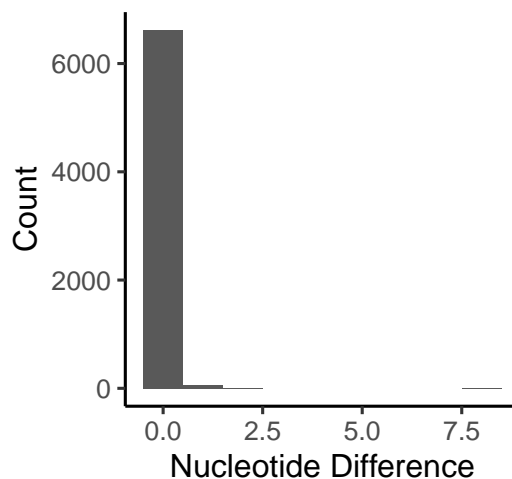
### TRBV6-56\*ap01

6011 sequences assigned  
5924 (98.6%) exact matches, in which:  
5692 unique CDR3  
13 unique J



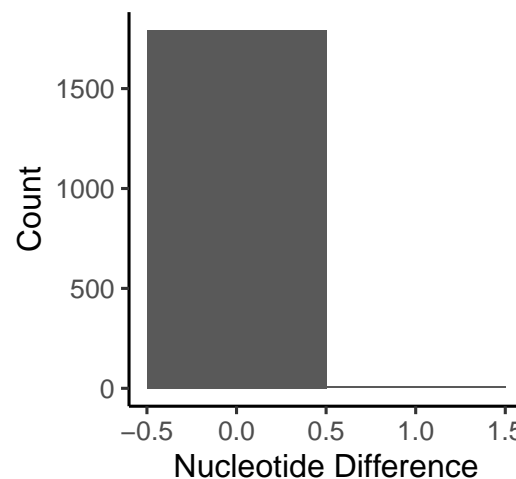
### TRBV7-2\*ap01

6683 sequences assigned  
6619 (99%) exact matches, in which:  
6465 unique CDR3  
13 unique J



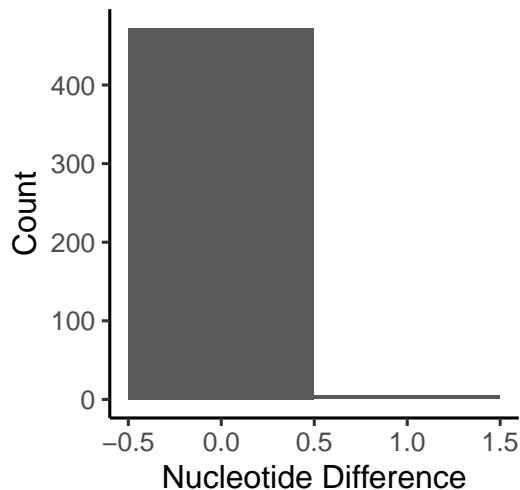
### TRBV7-6\*ap01

1803 sequences assigned  
1793 (99.4%) exact matches, in which:  
1747 unique CDR3  
13 unique J



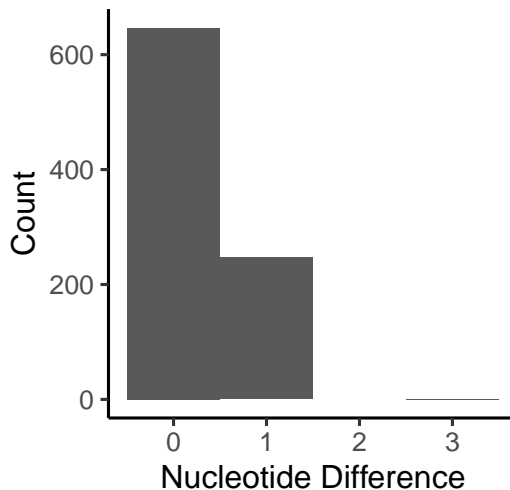
### TRBV7-7\*ap01

478 sequences assigned  
473 (99%) exact matches, in which:  
458 unique CDR3  
13 unique J



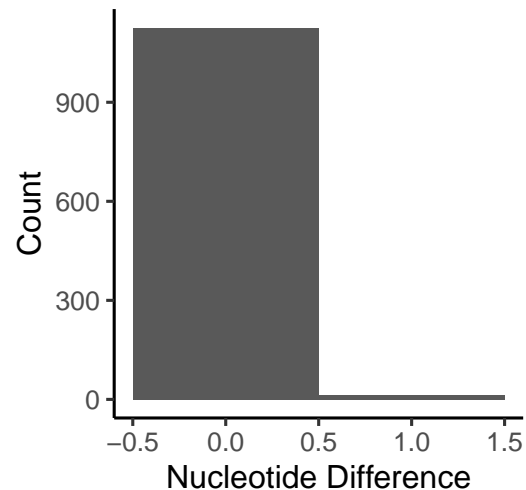
### TRBV7-8\*ap03

895 sequences assigned  
647 (72.3%) exact matches, in which:  
634 unique CDR3  
13 unique J



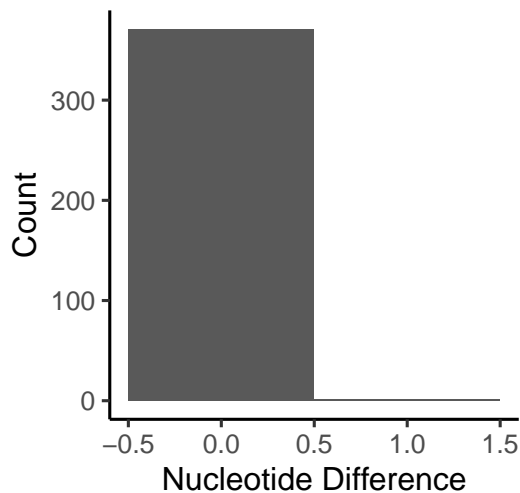
### TRBV29-1\*ap02

1139 sequences assigned  
1126 (98.9%) exact matches, in which:  
1077 unique CDR3  
13 unique J



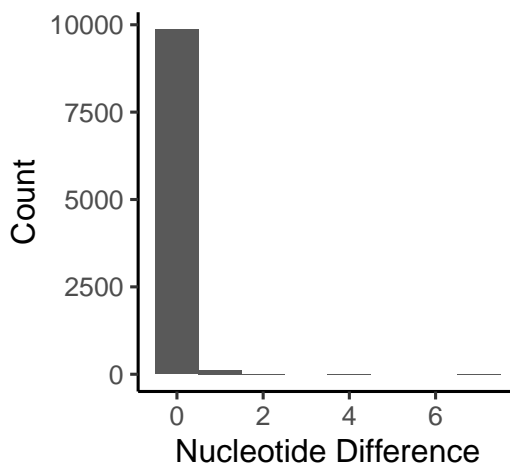
### TRBV7-7\*ap01\_C315T

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



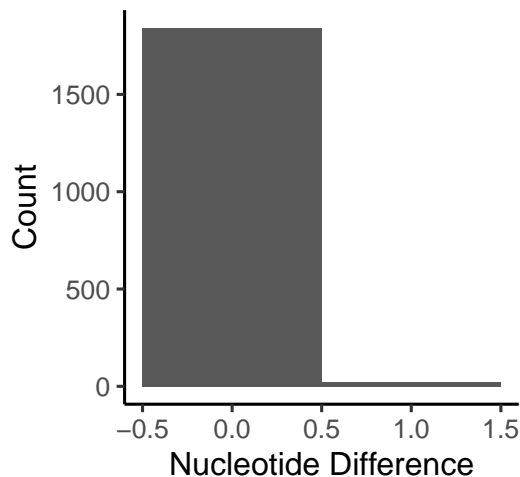
### TRBV7-9\*ap01

9988 sequences assigned  
9865 (98.8%) exact matches, in which:  
9584 unique CDR3  
13 unique J



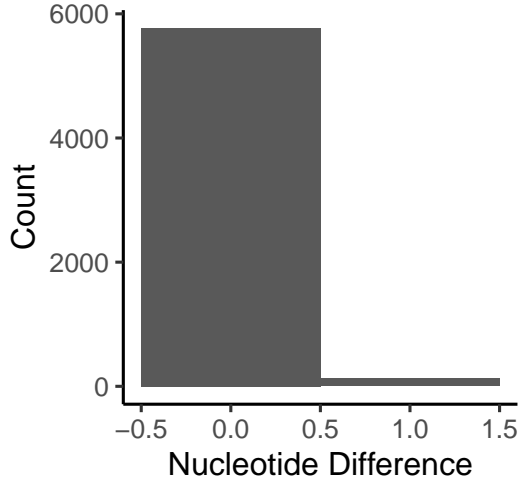
### TRBV7-8\*ap01

1863 sequences assigned  
1841 (98.8%) exact matches, in which:  
1793 unique CDR3  
13 unique J

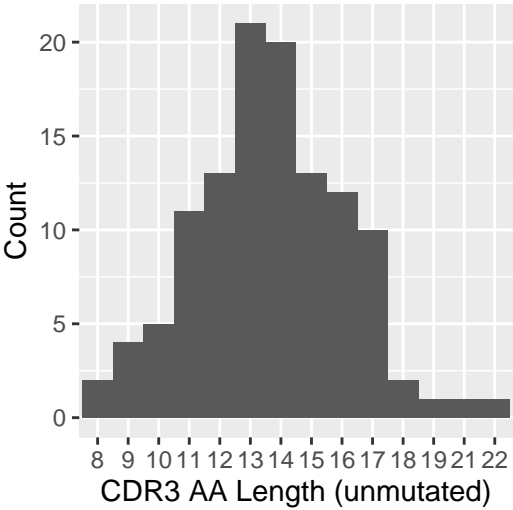


### TRBV29-1\*ap01

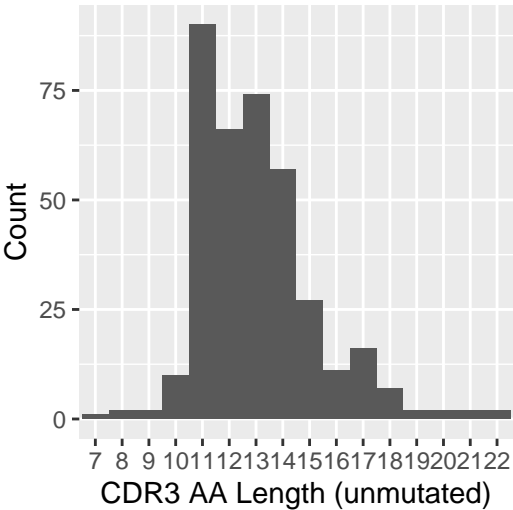
5896 sequences assigned  
5771 (97.9%) exact matches, in which:  
5545 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.