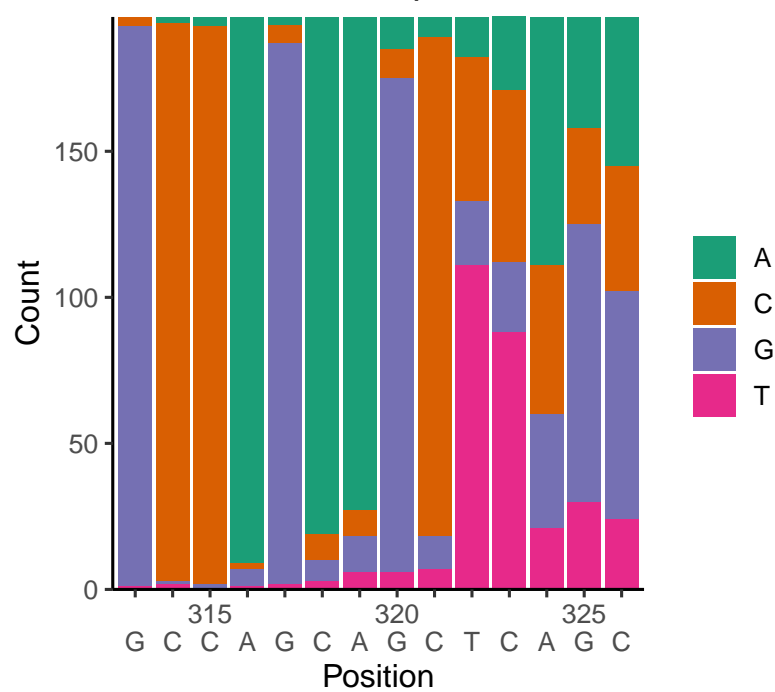
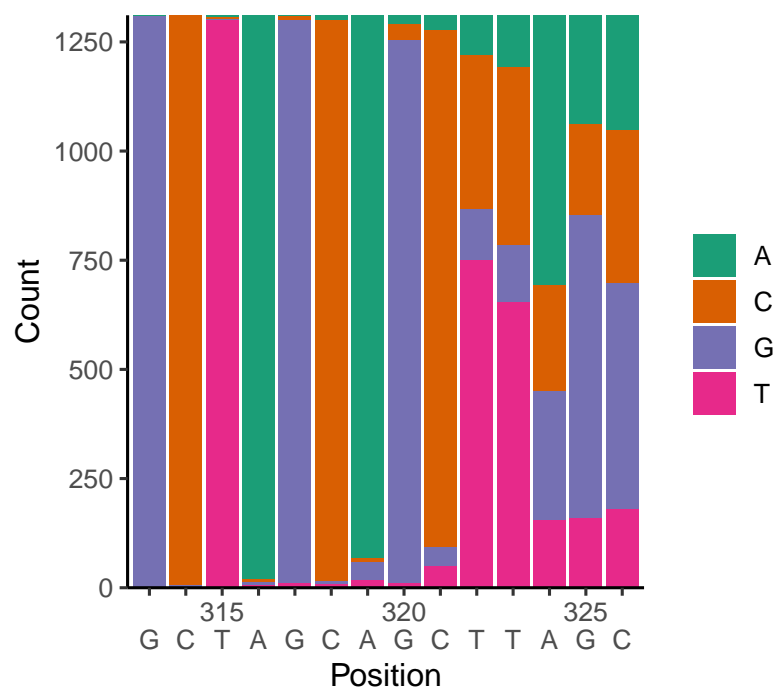


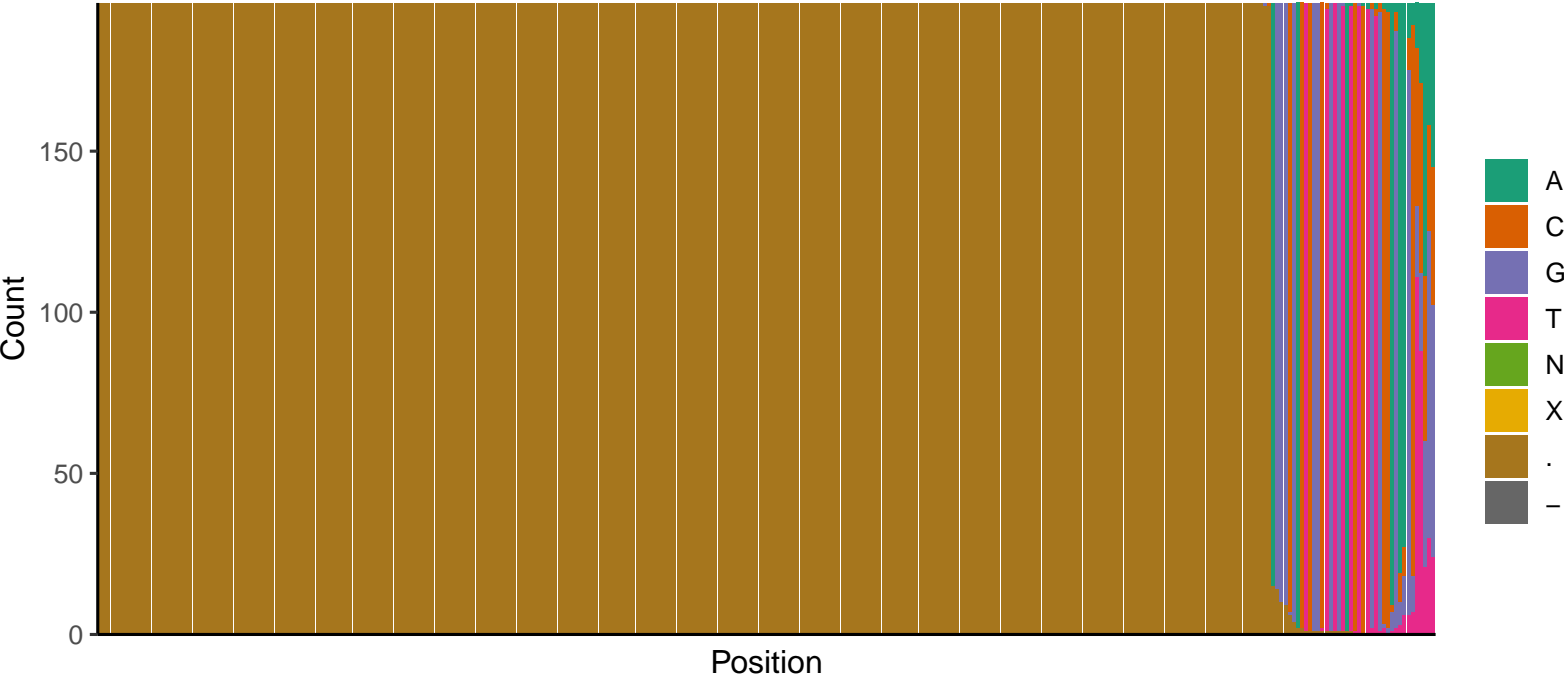
Gene TRBV7-1\*ap01\_G291C\_T296C



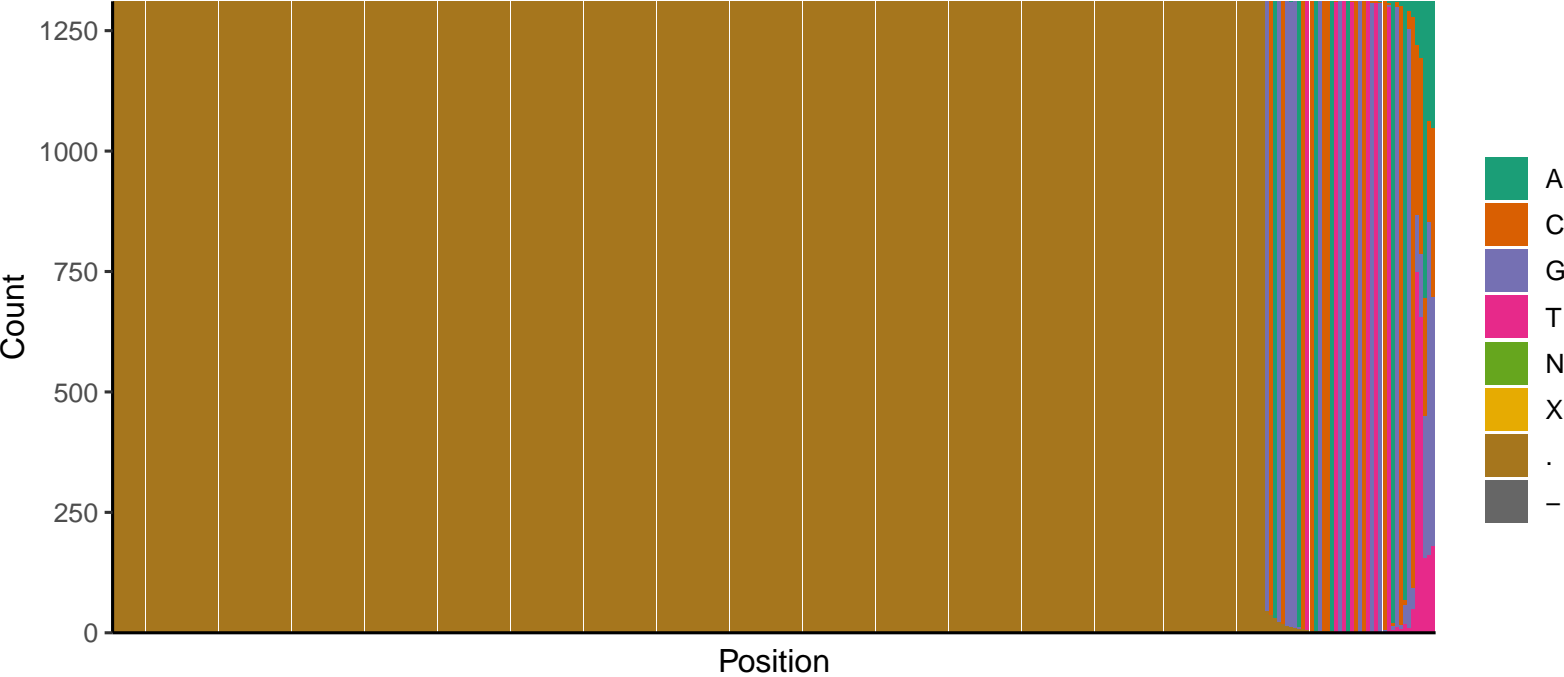
Gene TRBV7-7\*ap01\_C315T



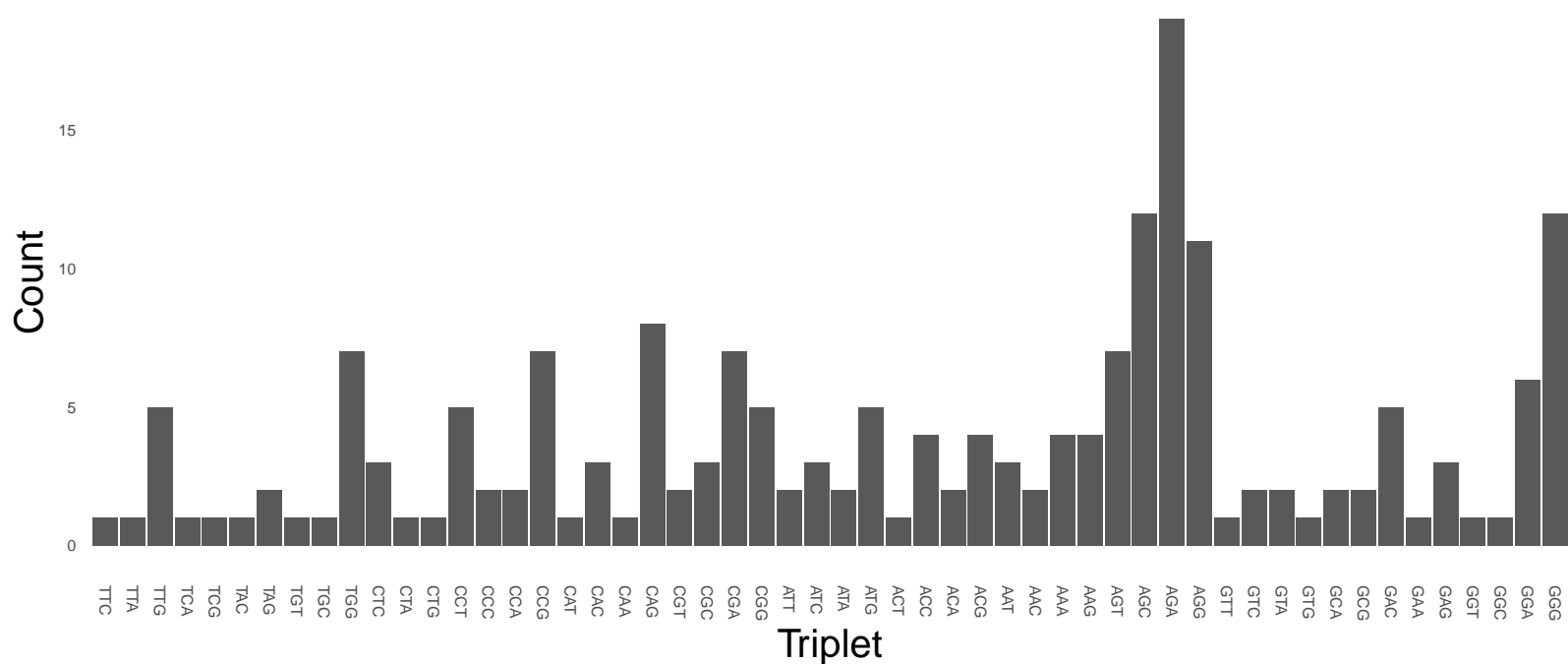
Gene TRBV7-1\*ap01\_G291C\_T296C



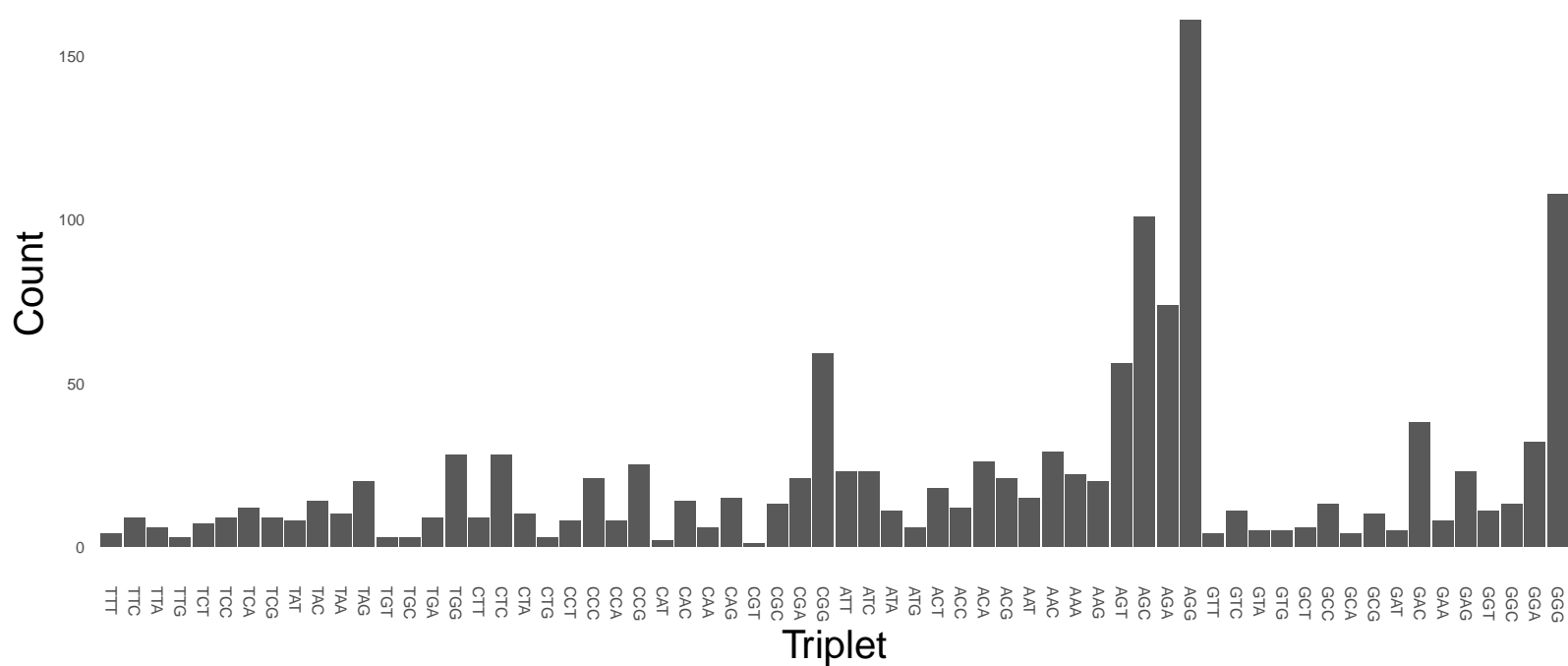
Gene TRBV7-7\*ap01\_C315T



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

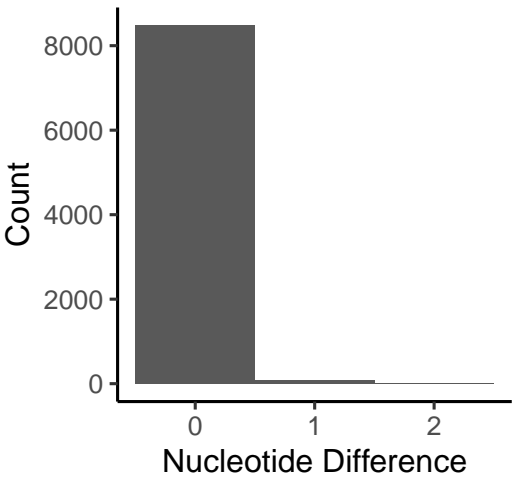


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



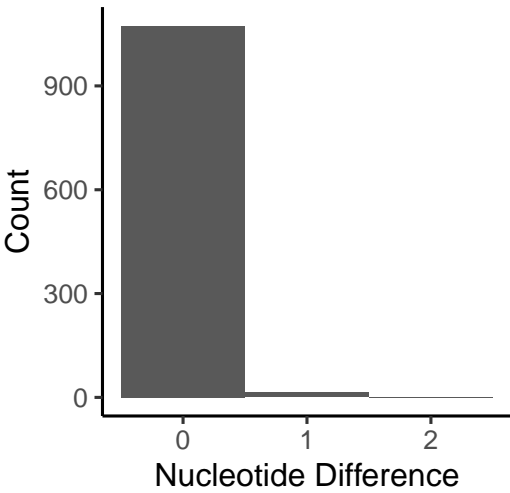
TRBV20-1\*ap01

8572 sequences assigned  
8480 (98.9%) exact matches, in which:  
8321 unique CDR3  
14 unique J



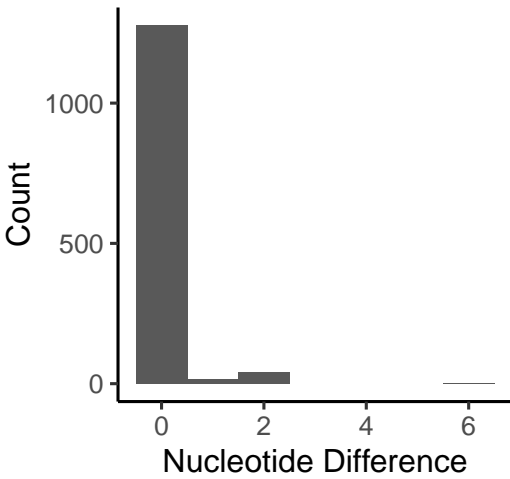
TRBV10-2\*ap01

1090 sequences assigned  
1074 (98.5%) exact matches, in which:  
1038 unique CDR3  
14 unique J



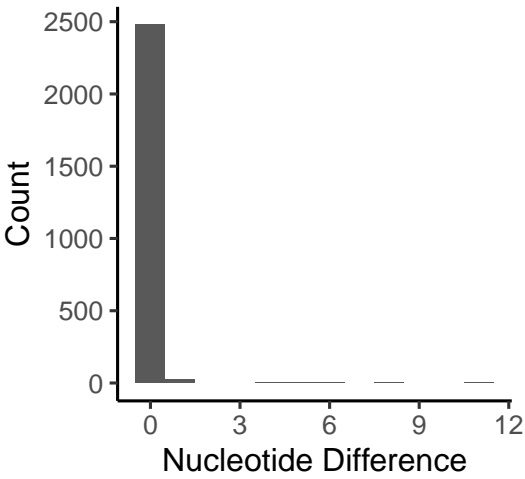
TRBV13\*ap01

1335 sequences assigned  
1277 (95.7%) exact matches, in which:  
1249 unique CDR3  
14 unique J



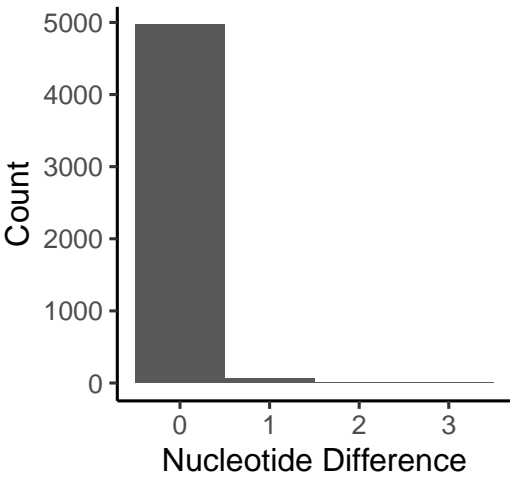
TRBV10-1\*ap01

2515 sequences assigned  
2479 (98.6%) exact matches, in which:  
2425 unique CDR3  
14 unique J



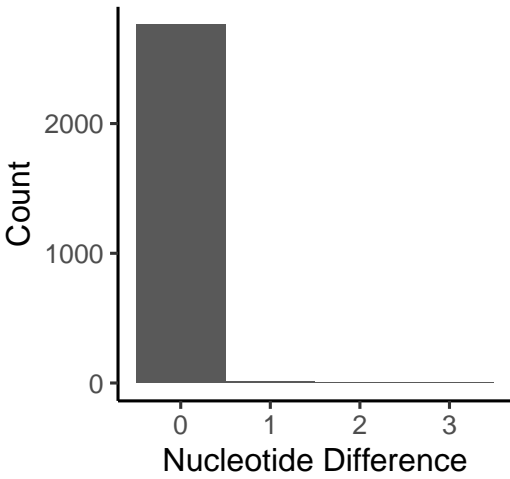
TRBV10-3\*ap01

5034 sequences assigned  
4968 (98.7%) exact matches, in which:  
4880 unique CDR3  
14 unique J



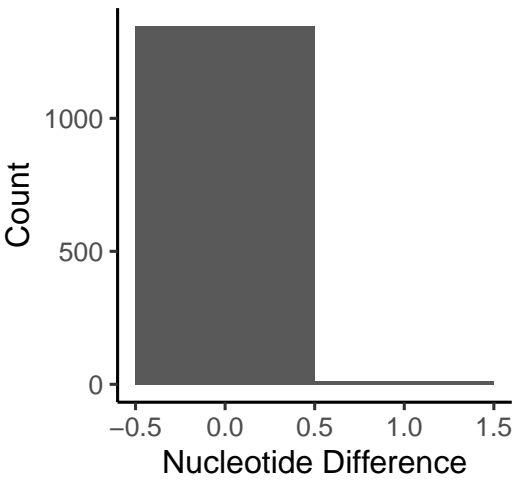
TRBV14\*ap01

2775 sequences assigned  
2762 (99.5%) exact matches, in which:  
2704 unique CDR3  
14 unique J



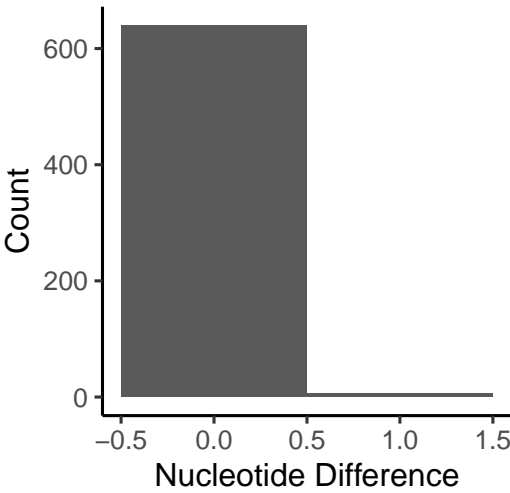
TRBV20-1\*ap02

1359 sequences assigned  
1347 (99.1%) exact matches, in which:  
1325 unique CDR3  
14 unique J



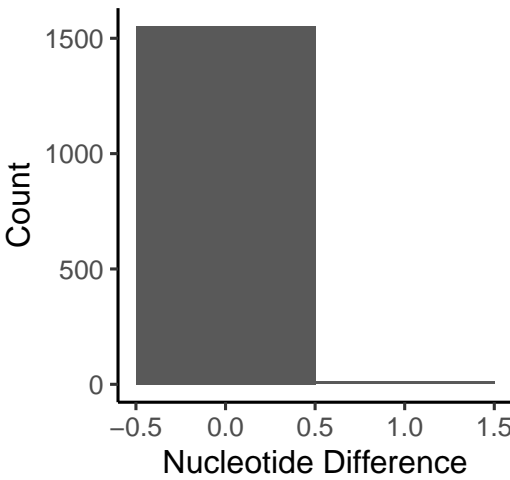
TRBV1\*ap01

646 sequences assigned  
640 (99.1%) exact matches, in which:  
617 unique CDR3  
14 unique J



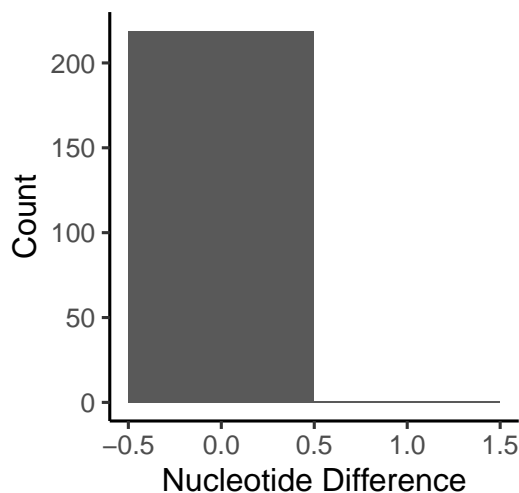
TRBV15\*ap02

1566 sequences assigned  
1553 (99.2%) exact matches, in which:  
1514 unique CDR3  
14 unique J



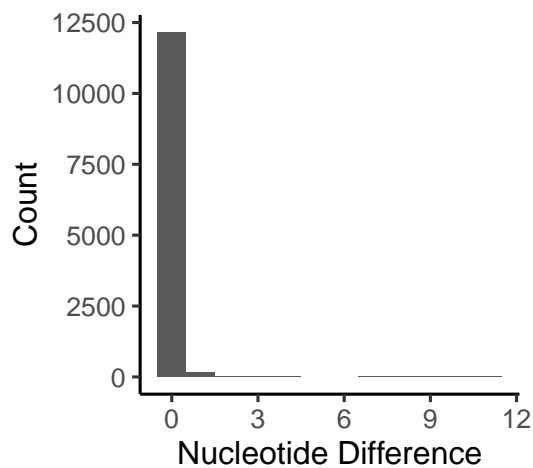
### TRBV16\*ap01

220 sequences assigned  
219 (99.5%) exact matches, in which:  
219 unique CDR3  
13 unique J



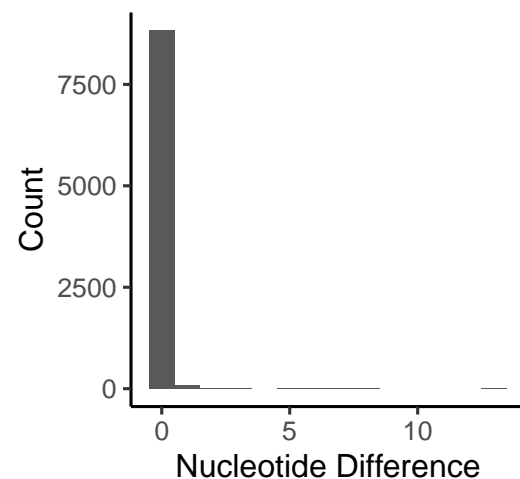
### TRBV19\*ap01

12327 sequences assigned  
12161 (98.7%) exact matches, in which:  
12008 unique CDR3  
14 unique J



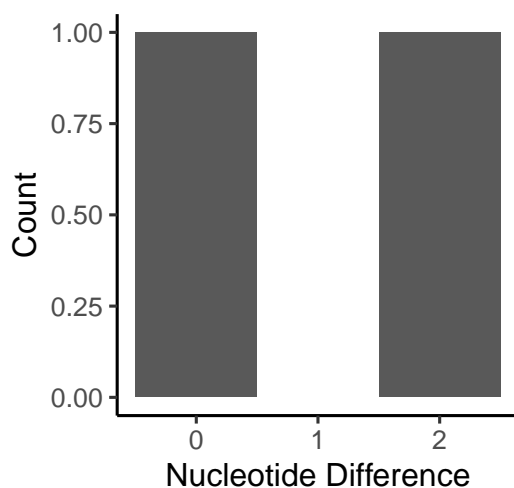
### TRBV27\*ap01

8941 sequences assigned  
8831 (98.8%) exact matches, in which:  
8642 unique CDR3  
14 unique J



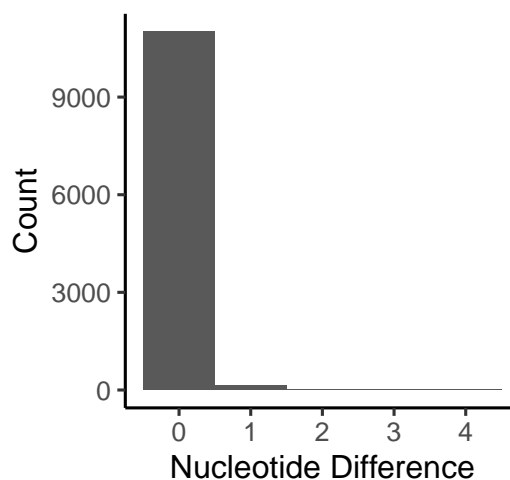
### TRBV17\*ap01

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



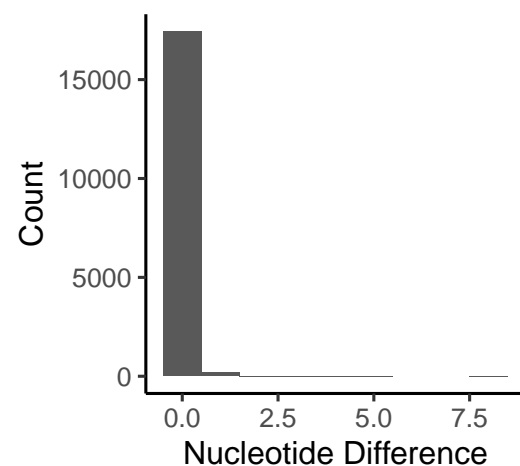
### TRBV2\*ap01

11150 sequences assigned  
11008 (98.7%) exact matches, in which:  
10811 unique CDR3  
14 unique J



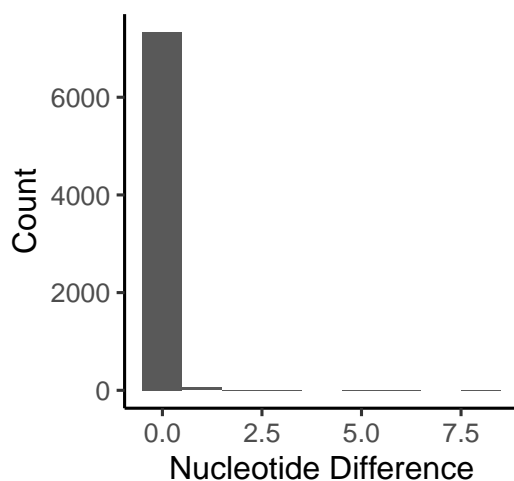
### TRBV28\*ap01

17636 sequences assigned  
17435 (98.9%) exact matches, in which:  
17099 unique CDR3  
14 unique J



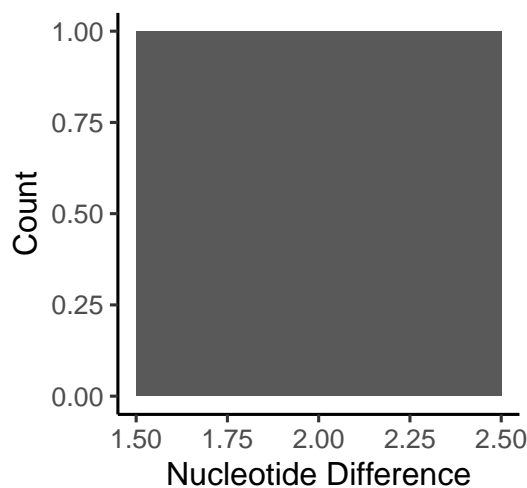
### TRBV18\*ap01

7400 sequences assigned  
7335 (99.1%) exact matches, in which:  
7221 unique CDR3  
14 unique J



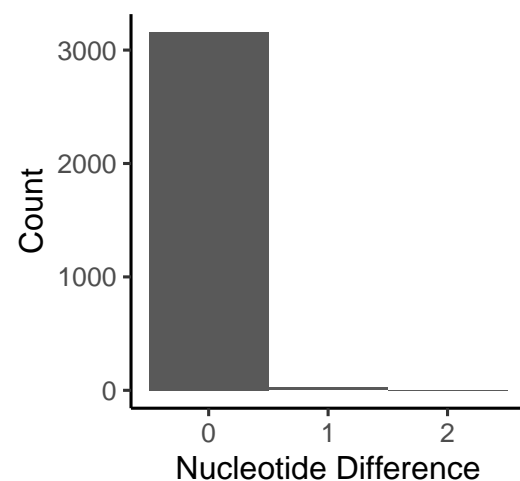
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



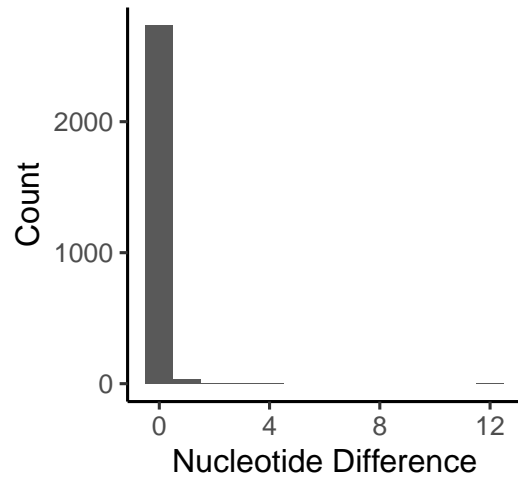
### TRBV30\*ap01

3186 sequences assigned  
3159 (99.2%) exact matches, in which:  
3111 unique CDR3  
14 unique J



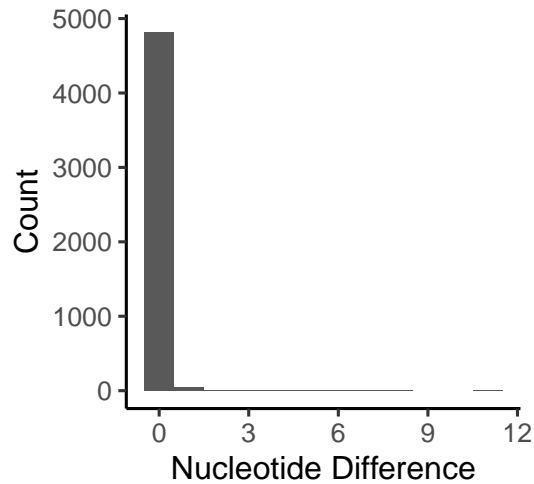
### TRBV30\*ap02

2784 sequences assigned  
2735 (98.2%) exact matches, in which:  
2717 unique CDR3  
14 unique J



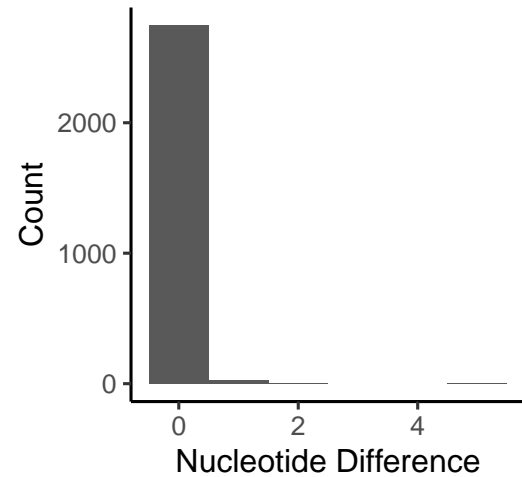
### TRBV21-1\*ap01

4888 sequences assigned  
4814 (98.5%) exact matches, in which:  
4707 unique CDR3  
14 unique J



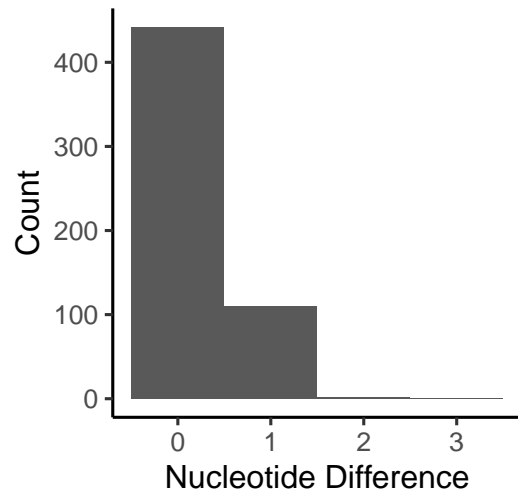
### TRBV11-3\*ap01

2773 sequences assigned  
2746 (99%) exact matches, in which:  
2699 unique CDR3  
14 unique J



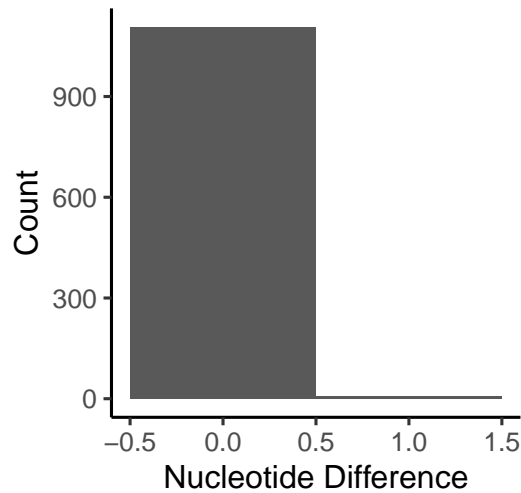
### TRBV30\*ap03

555 sequences assigned  
442 (79.6%) exact matches, in which:  
437 unique CDR3  
13 unique J



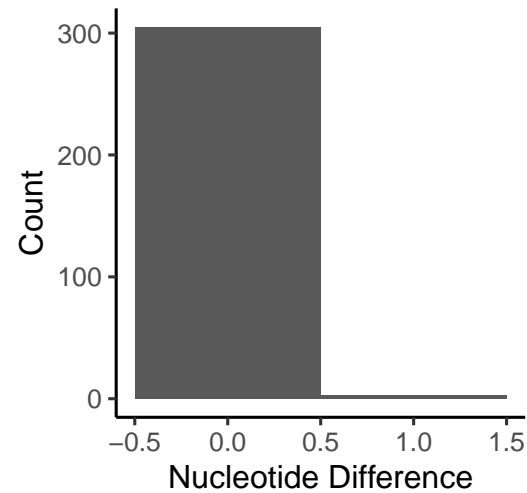
### TRBV11-1\*ap01

1114 sequences assigned  
1107 (99.4%) exact matches, in which:  
1092 unique CDR3  
14 unique J



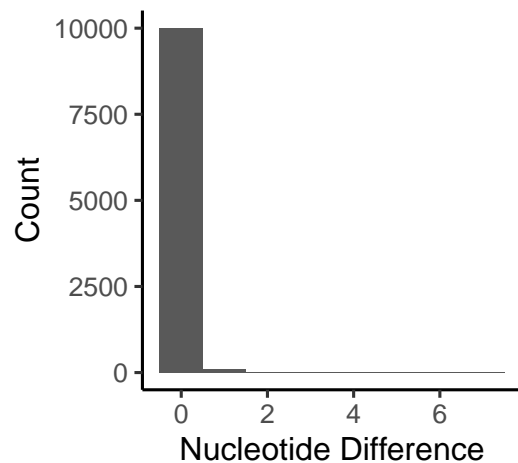
### TRBV12-1\*ap01

308 sequences assigned  
305 (99%) exact matches, in which:  
299 unique CDR3  
14 unique J



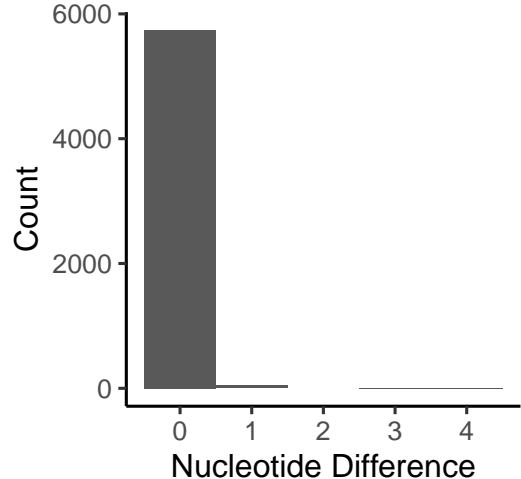
### TRBV9\*ap01

10128 sequences assigned  
10011 (98.8%) exact matches, in which:  
9861 unique CDR3  
14 unique J



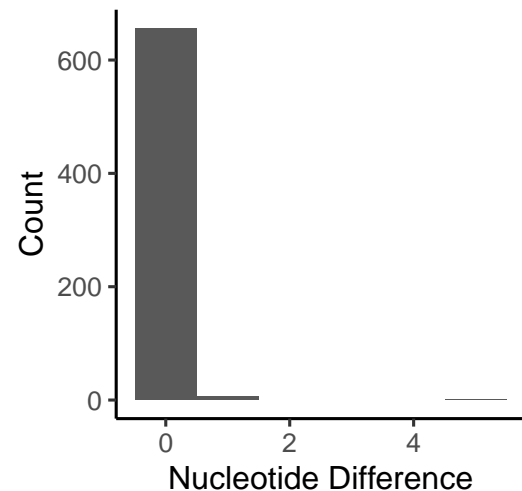
### TRBV11-2\*ap01

5792 sequences assigned  
5741 (99.1%) exact matches, in which:  
5634 unique CDR3  
14 unique J



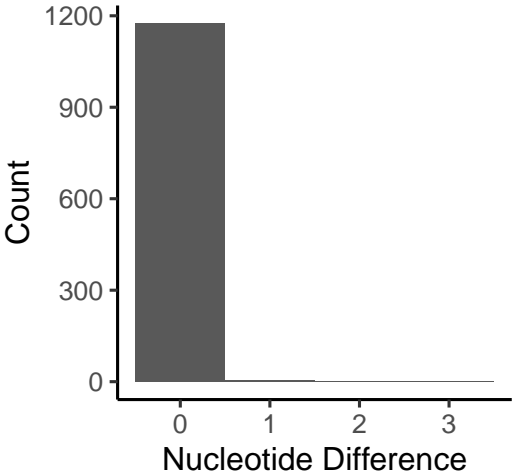
### TRBV12-2\*ap01

664 sequences assigned  
656 (98.8%) exact matches, in which:  
646 unique CDR3  
14 unique J



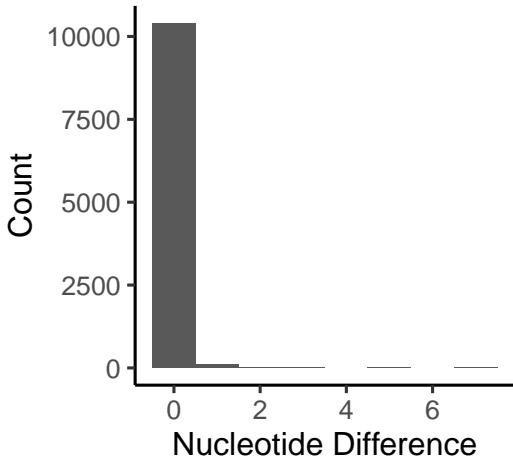
TRBV12-5\*ap01

1184 sequences assigned  
1175 (99.2%) exact matches, in which:  
1145 unique CDR3  
14 unique J



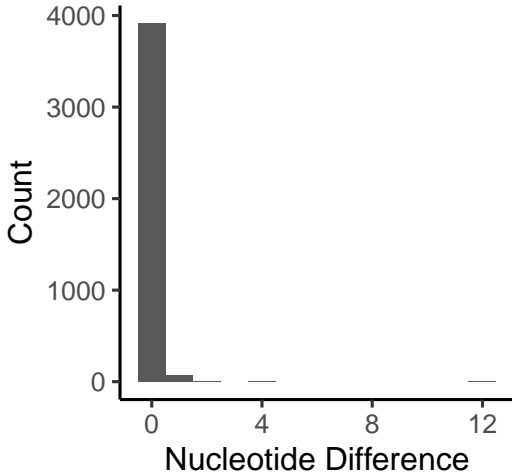
TRBV3-12\*ap01

10529 sequences assigned  
10402 (98.8%) exact matches, in which:  
10233 unique CDR3  
14 unique J



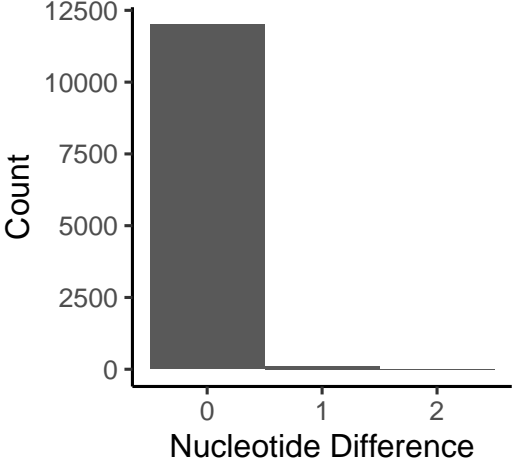
TRBV4-2\*ap01

3984 sequences assigned  
3914 (98.2%) exact matches, in which:  
3860 unique CDR3  
14 unique J



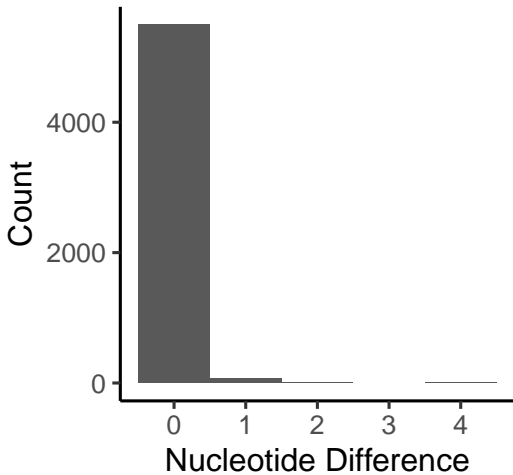
TRBV12-34\*ap01

12134 sequences assigned  
12008 (99%) exact matches, in which:  
11817 unique CDR3  
14 unique J



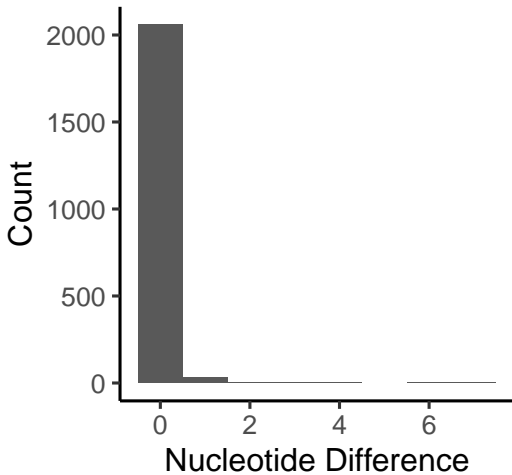
TRBV4-1\*ap01

5568 sequences assigned  
5496 (98.7%) exact matches, in which:  
5425 unique CDR3  
14 unique J



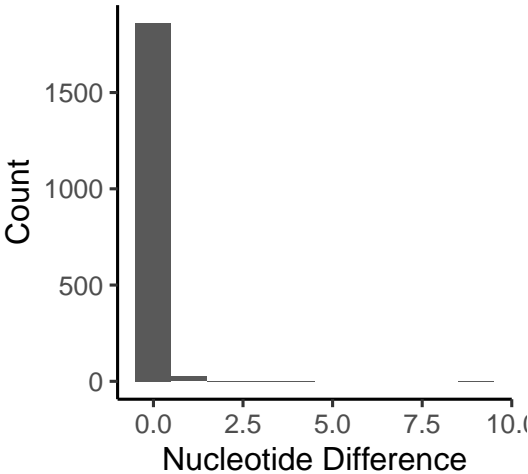
TRBV25-1\*ap01

2097 sequences assigned  
2059 (98.2%) exact matches, in which:  
2022 unique CDR3  
14 unique J



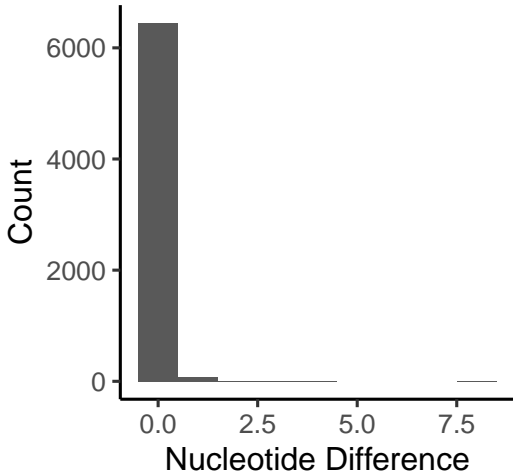
TRBV23-1\*ap01

1891 sequences assigned  
1861 (98.4%) exact matches, in which:  
1817 unique CDR3  
14 unique J



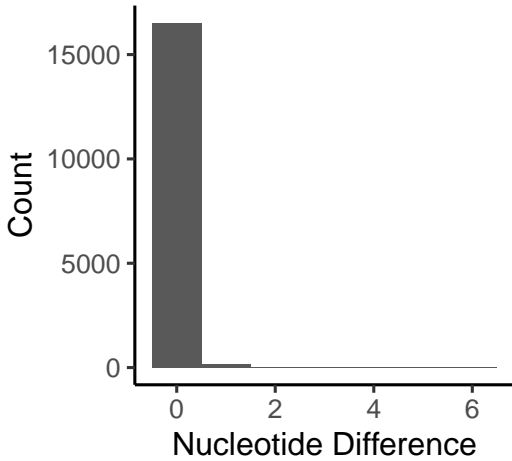
TRBV24-1\*ap01

6531 sequences assigned  
6446 (98.7%) exact matches, in which:  
6306 unique CDR3  
14 unique J



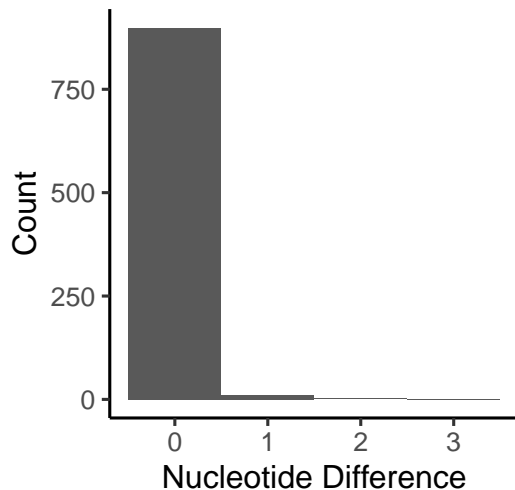
TRBV5-1\*ap01

16679 sequences assigned  
16524 (99.1%) exact matches, in which:  
16203 unique CDR3  
14 unique J



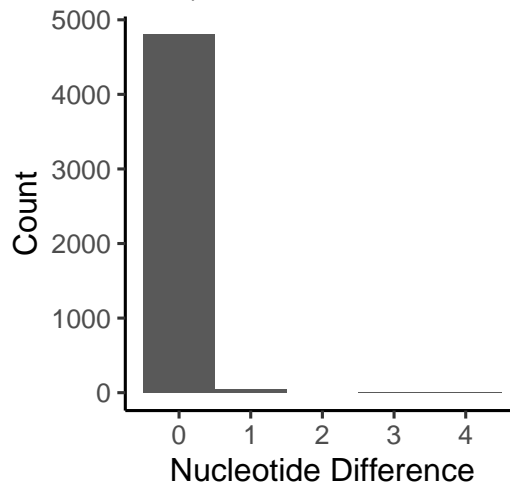
### TRBV5-3\*ap01

912 sequences assigned  
899 (98.6%) exact matches, in which:  
885 unique CDR3  
14 unique J



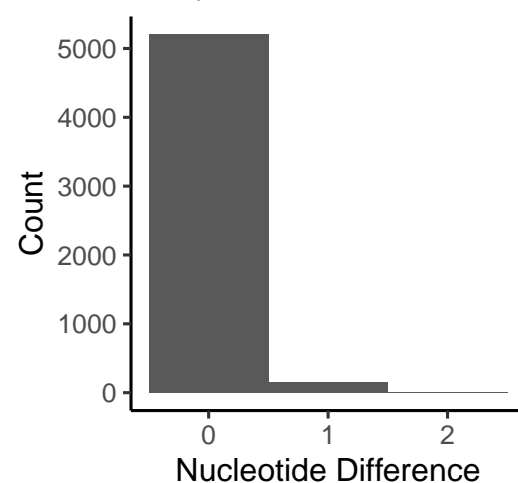
### TRBV5-6\*ap01

4858 sequences assigned  
4804 (98.9%) exact matches, in which:  
4676 unique CDR3  
14 unique J



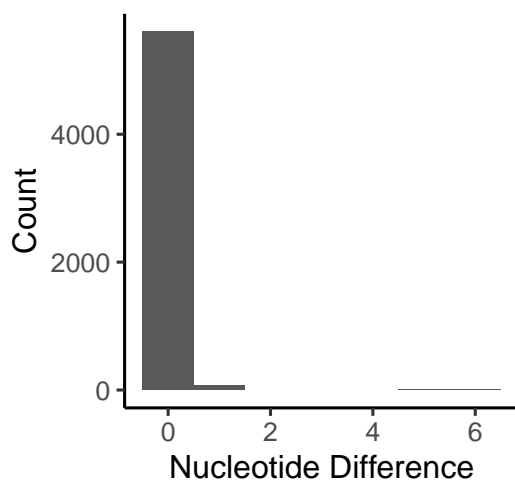
### TRBV6-1\*ap01

5365 sequences assigned  
5204 (97%) exact matches, in which:  
5083 unique CDR3  
14 unique J



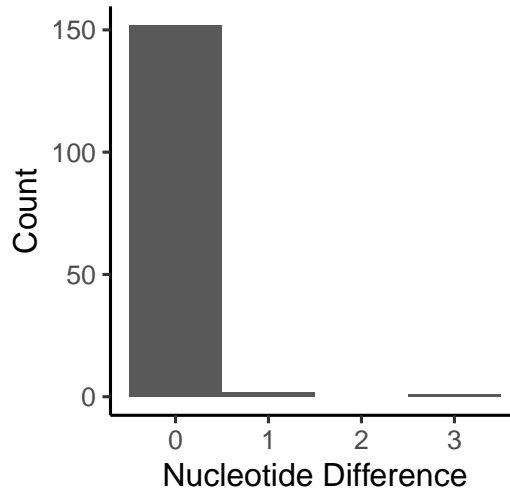
### TRBV5-4\*ap01

5682 sequences assigned  
5604 (98.6%) exact matches, in which:  
5495 unique CDR3  
14 unique J



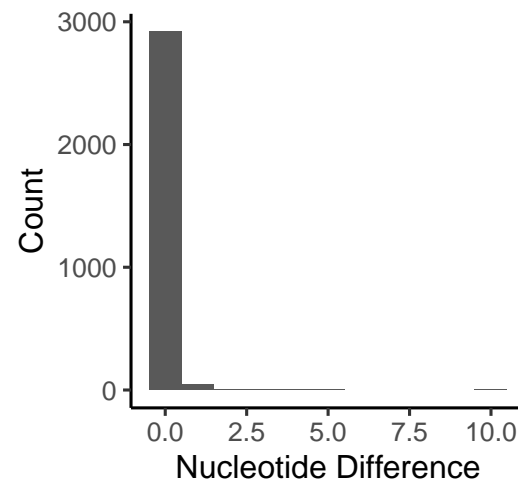
### TRBV5-7\*ap01

155 sequences assigned  
152 (98.1%) exact matches, in which:  
151 unique CDR3  
14 unique J



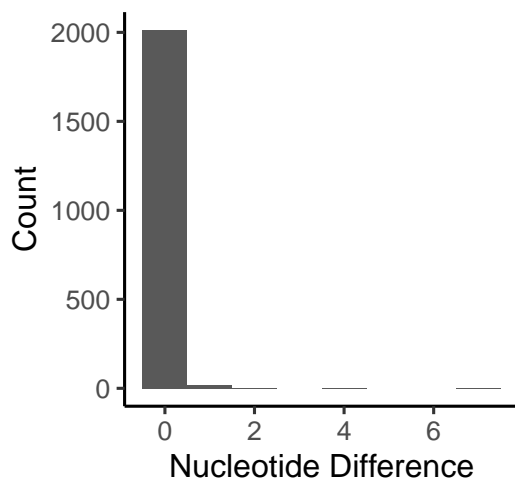
### TRBV6-4\*ap01

2970 sequences assigned  
2919 (98.3%) exact matches, in which:  
2861 unique CDR3  
14 unique J



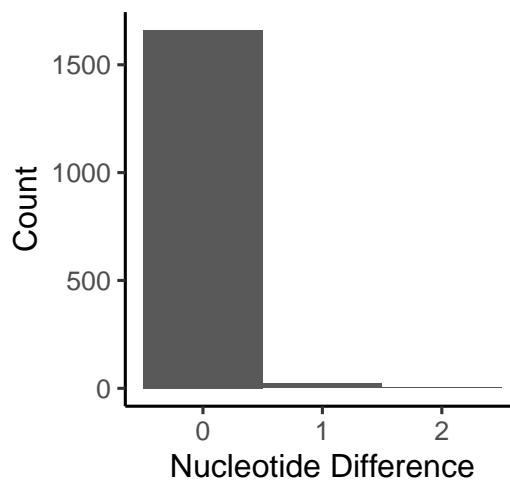
### TRBV5-5\*ap01

2033 sequences assigned  
2013 (99%) exact matches, in which:  
1984 unique CDR3  
14 unique J



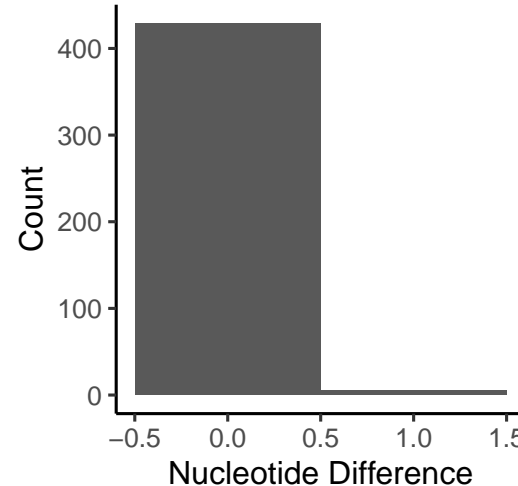
### TRBV5-8\*ap01

1686 sequences assigned  
1661 (98.5%) exact matches, in which:  
1638 unique CDR3  
14 unique J



### TRBV6-7\*ap01

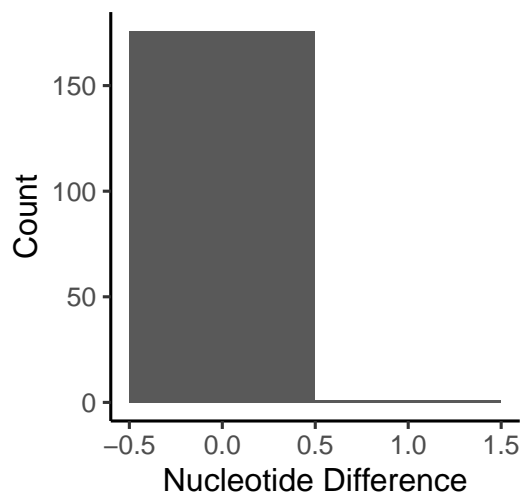
434 sequences assigned  
429 (98.8%) exact matches, in which:  
422 unique CDR3  
14 unique J





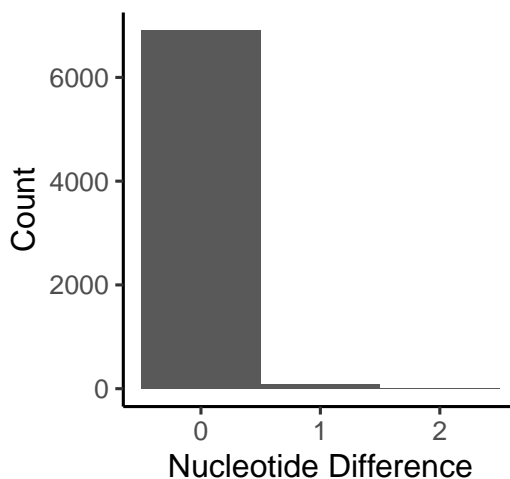
### TRBV6–8\*ap01

177 sequences assigned  
176 (99.4%) exact matches, in which:  
170 unique CDR3  
14 unique J



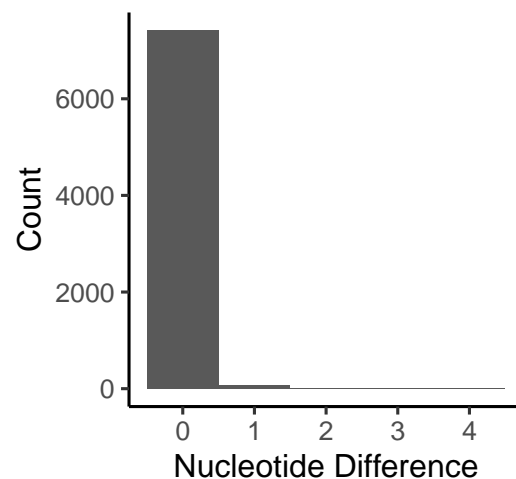
### TRBV6–56\*ap01

7002 sequences assigned  
6906 (98.6%) exact matches, in which:  
6752 unique CDR3  
14 unique J



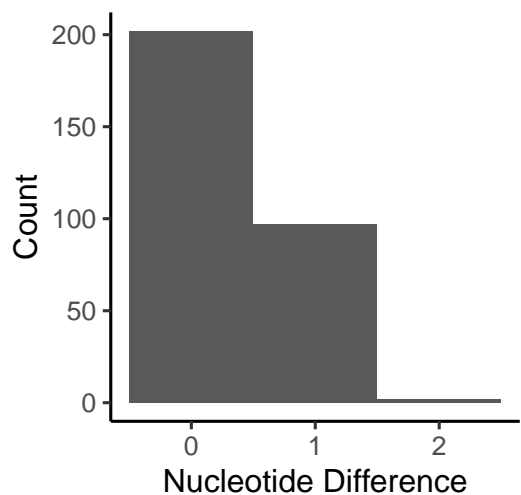
### TRBV7–2\*ap01

7481 sequences assigned  
7415 (99.1%) exact matches, in which:  
7335 unique CDR3  
14 unique J



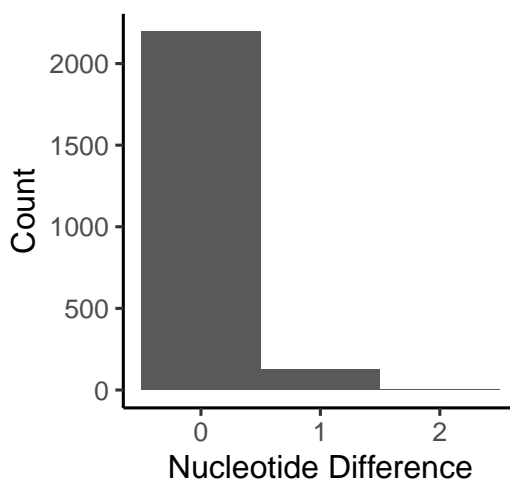
### TRBV6–9\*ap01

301 sequences assigned  
202 (67.1%) exact matches, in which:  
196 unique CDR3  
14 unique J



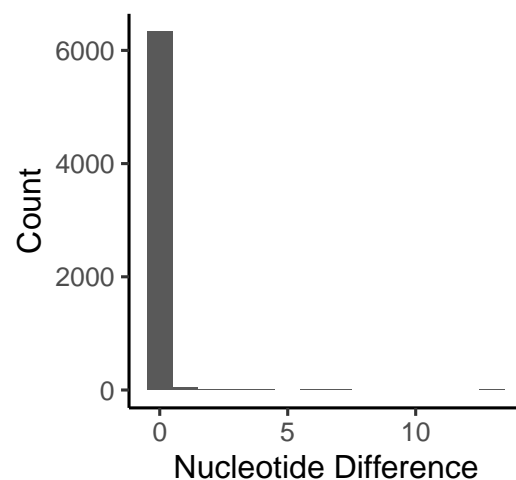
### TRBV6–56\*ap02

2321 sequences assigned  
2195 (94.6%) exact matches, in which:  
2135 unique CDR3  
14 unique J



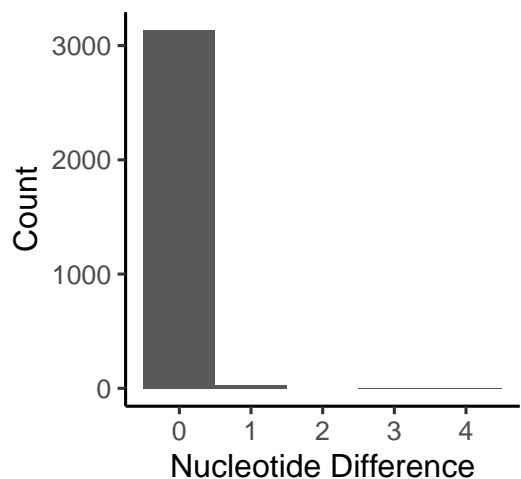
### TRBV7–3\*ap01

6382 sequences assigned  
6330 (99.2%) exact matches, in which:  
6194 unique CDR3  
14 unique J



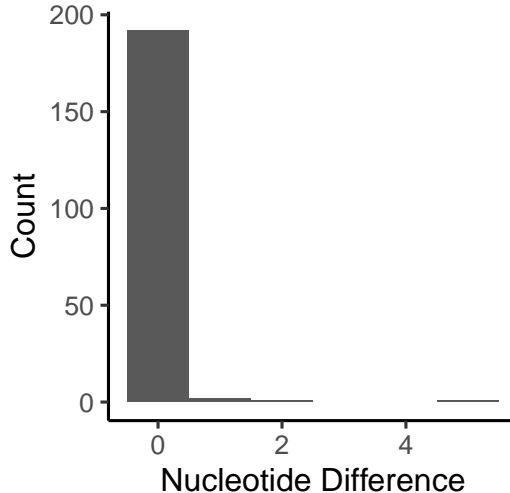
### TRBV6–23\*ap01

3169 sequences assigned  
3136 (99%) exact matches, in which:  
3065 unique CDR3  
14 unique J



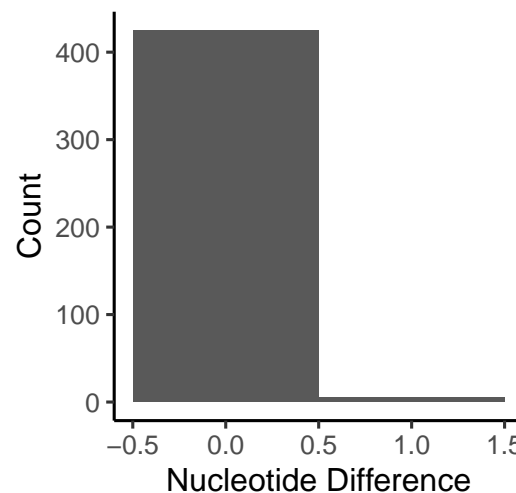
### TRBV7–1\*ap01\_G291C\_

196 sequences assigned  
192 (98%) exact matches, in which:  
186 unique CDR3  
14 unique J



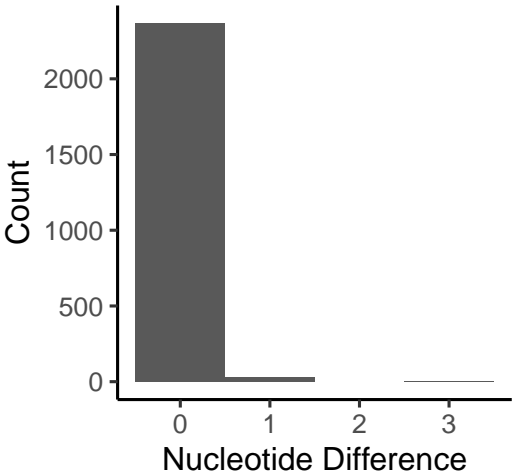
### TRBV7–4\*ap01

430 sequences assigned  
425 (98.8%) exact matches, in which:  
417 unique CDR3  
14 unique J



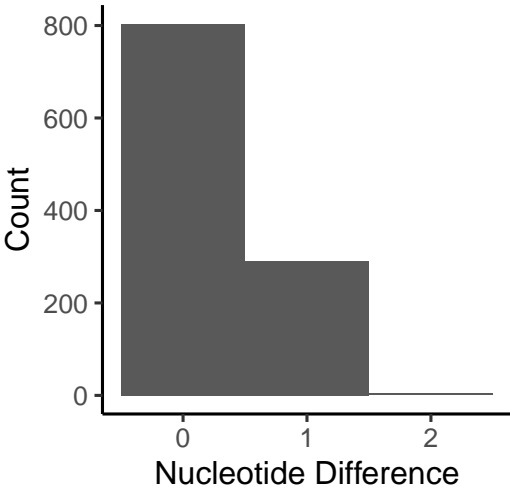
TRBV7-6\*ap01

2396 sequences assigned  
2366 (98.7%) exact matches, in which:  
2320 unique CDR3  
14 unique J



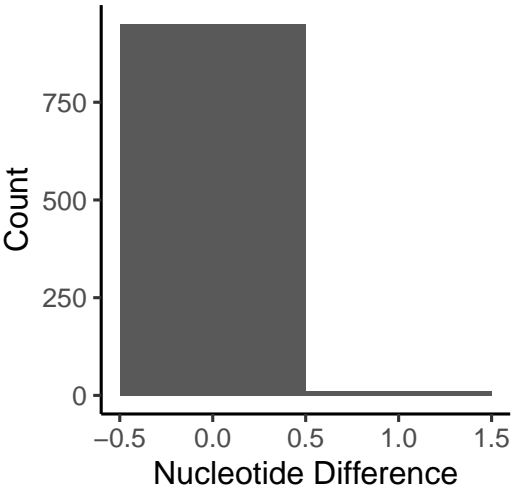
TRBV7-8\*ap03

1098 sequences assigned  
804 (73.2%) exact matches, in which:  
790 unique CDR3  
14 unique J



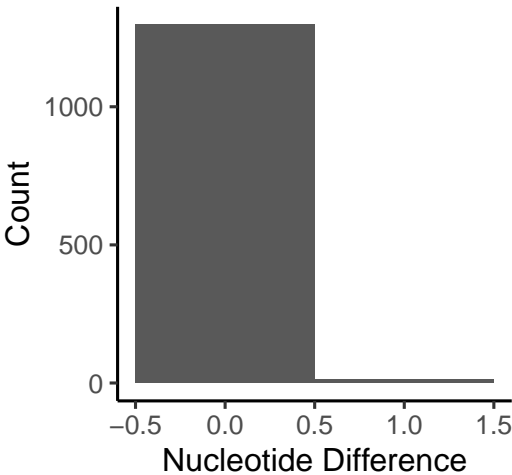
TRBV29-1\*ap02

963 sequences assigned  
951 (98.8%) exact matches, in which:  
942 unique CDR3  
14 unique J



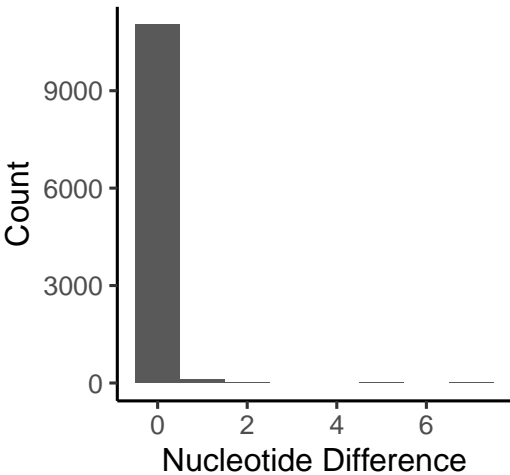
TRBV7-7\*ap01\_C315T

1311 sequences assigned  
1297 (98.9%) exact matches, in which:  
1278 unique CDR3  
14 unique J



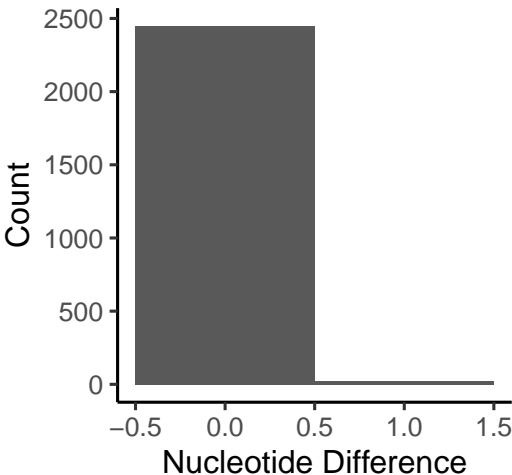
TRBV7-9\*ap01

11140 sequences assigned  
11031 (99%) exact matches, in which:  
10880 unique CDR3  
14 unique J



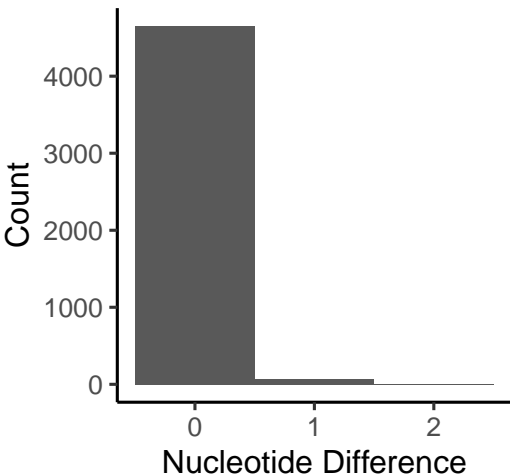
TRBV7-8\*ap01

2472 sequences assigned  
2448 (99%) exact matches, in which:  
2405 unique CDR3  
14 unique J

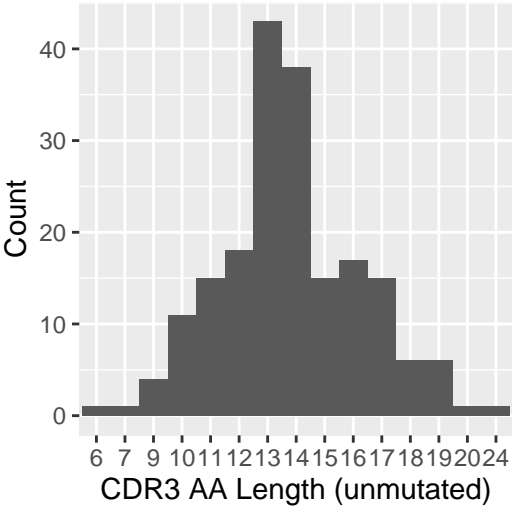


TRBV29-1\*ap01

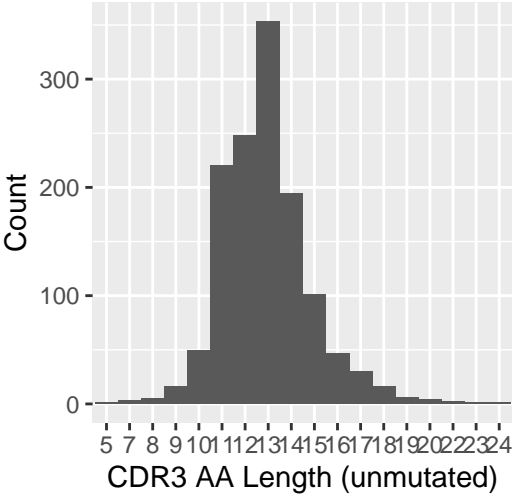
4720 sequences assigned  
4651 (98.5%) exact matches, in which:  
4578 unique CDR3  
14 unique J

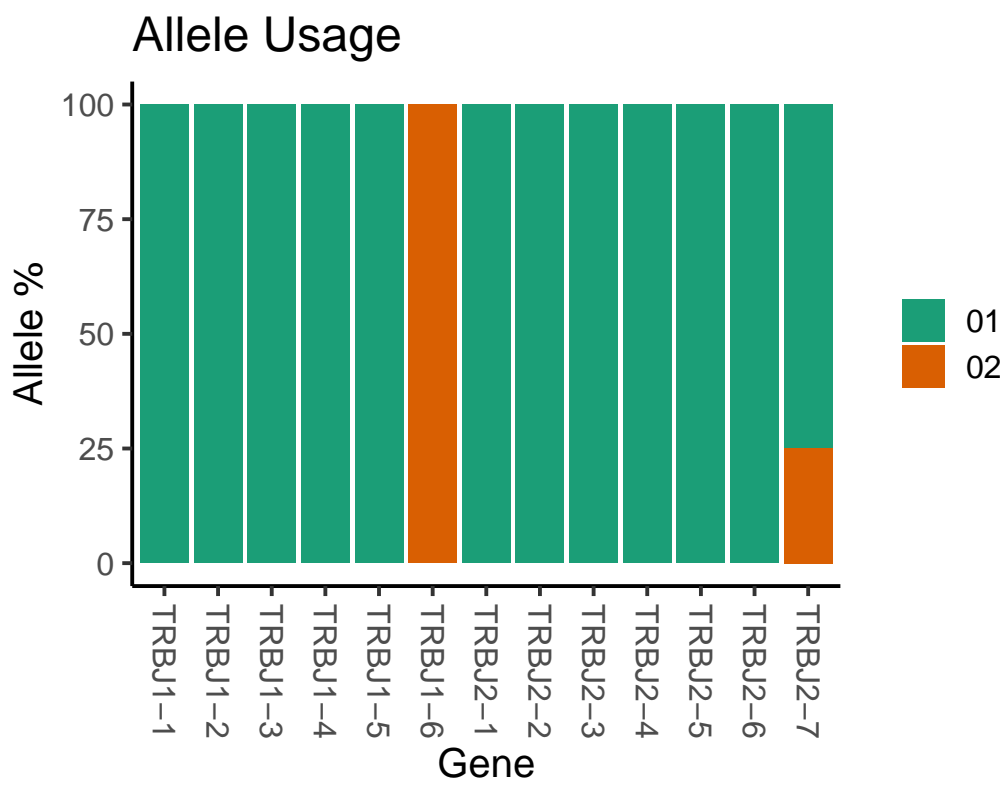


TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Sequence Count by TRBJ2-7 allele usage

