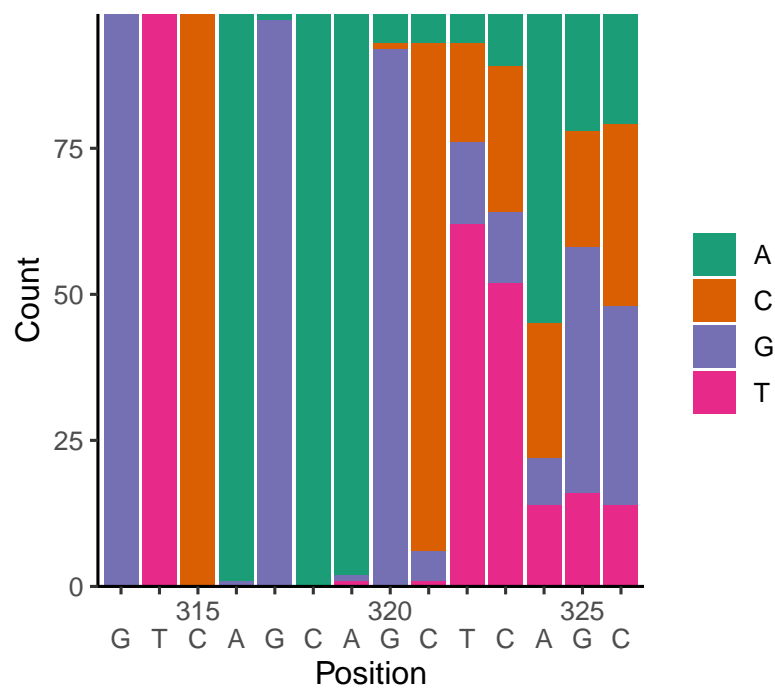
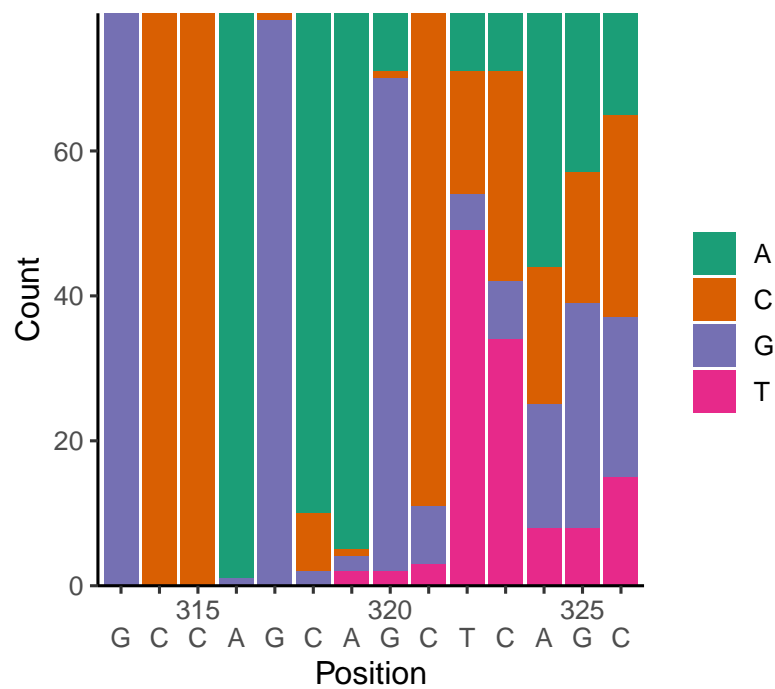


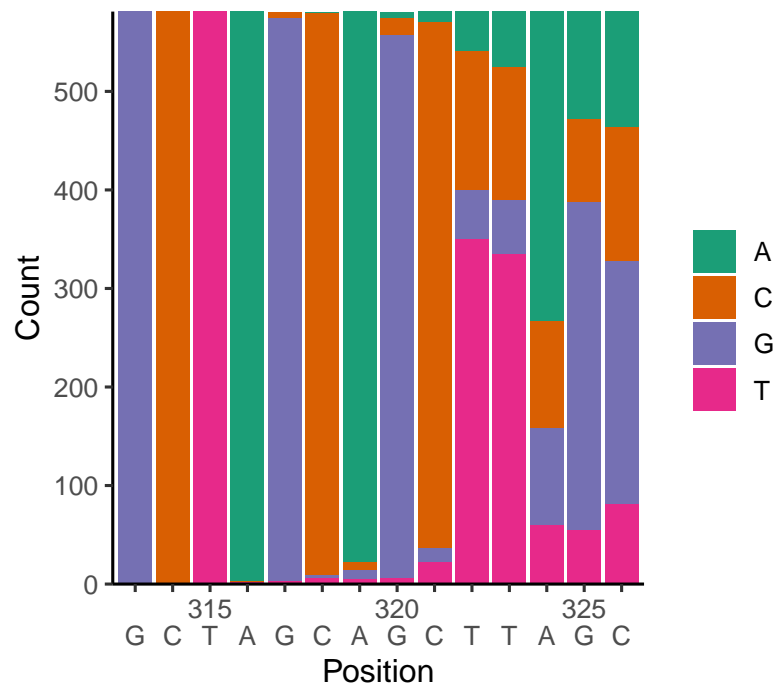
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



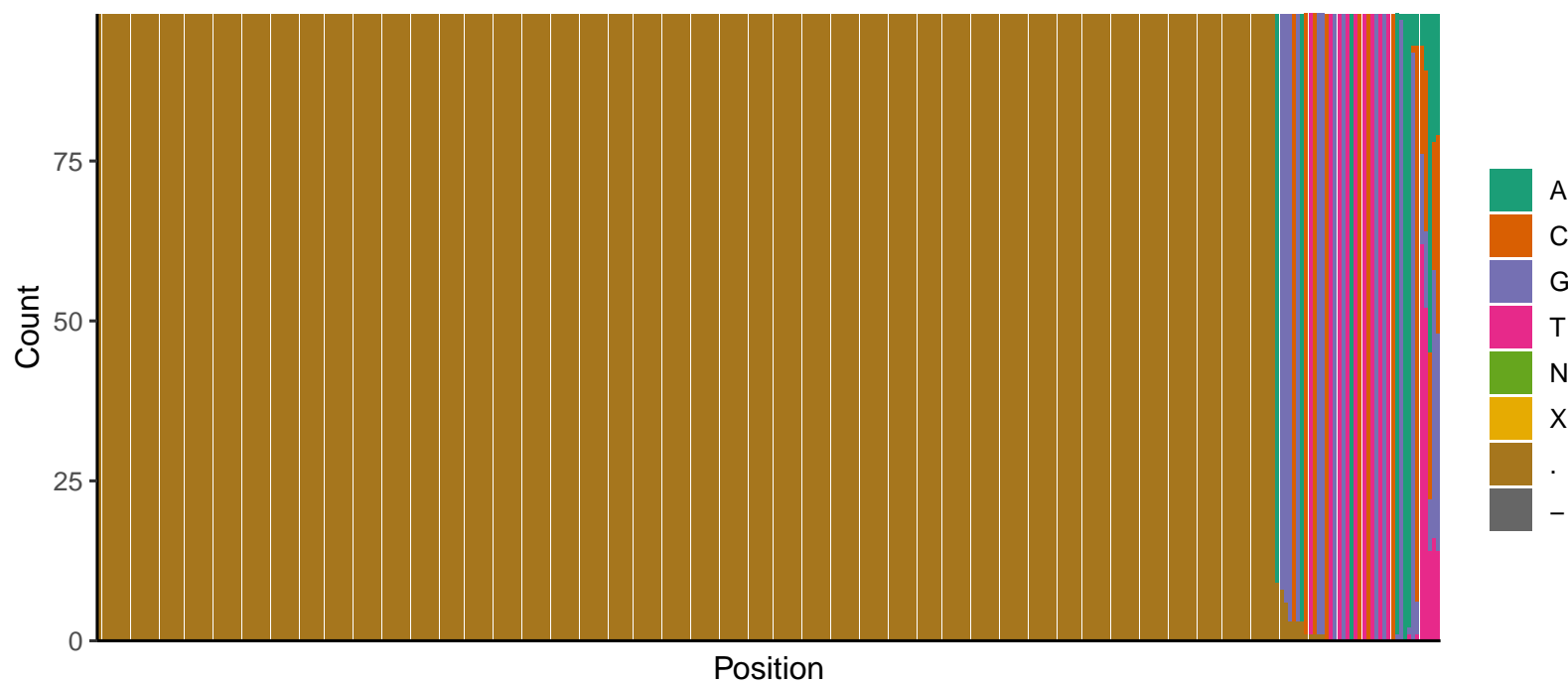
Gene TRBV7-1\*ap01\_G291C\_T296C



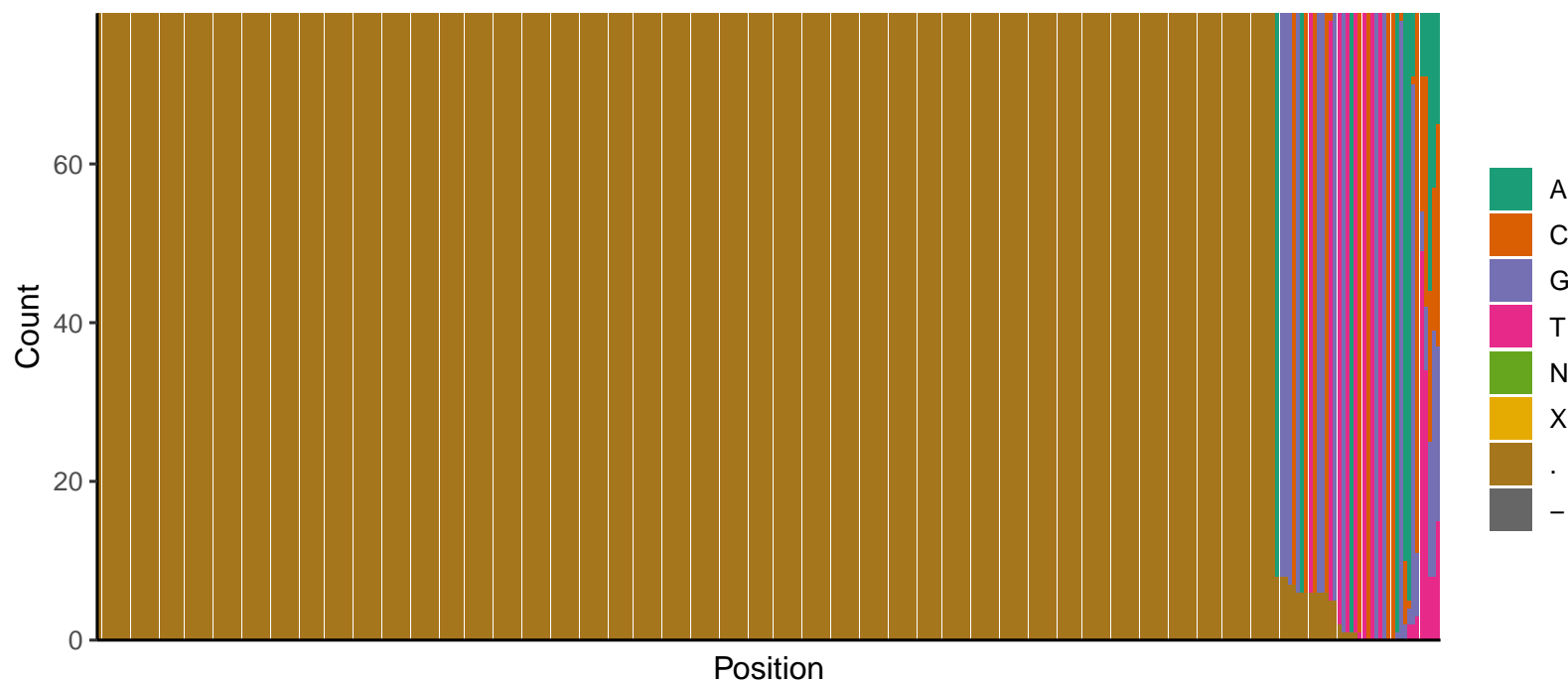
Gene TRBV7-7\*ap01\_C315T



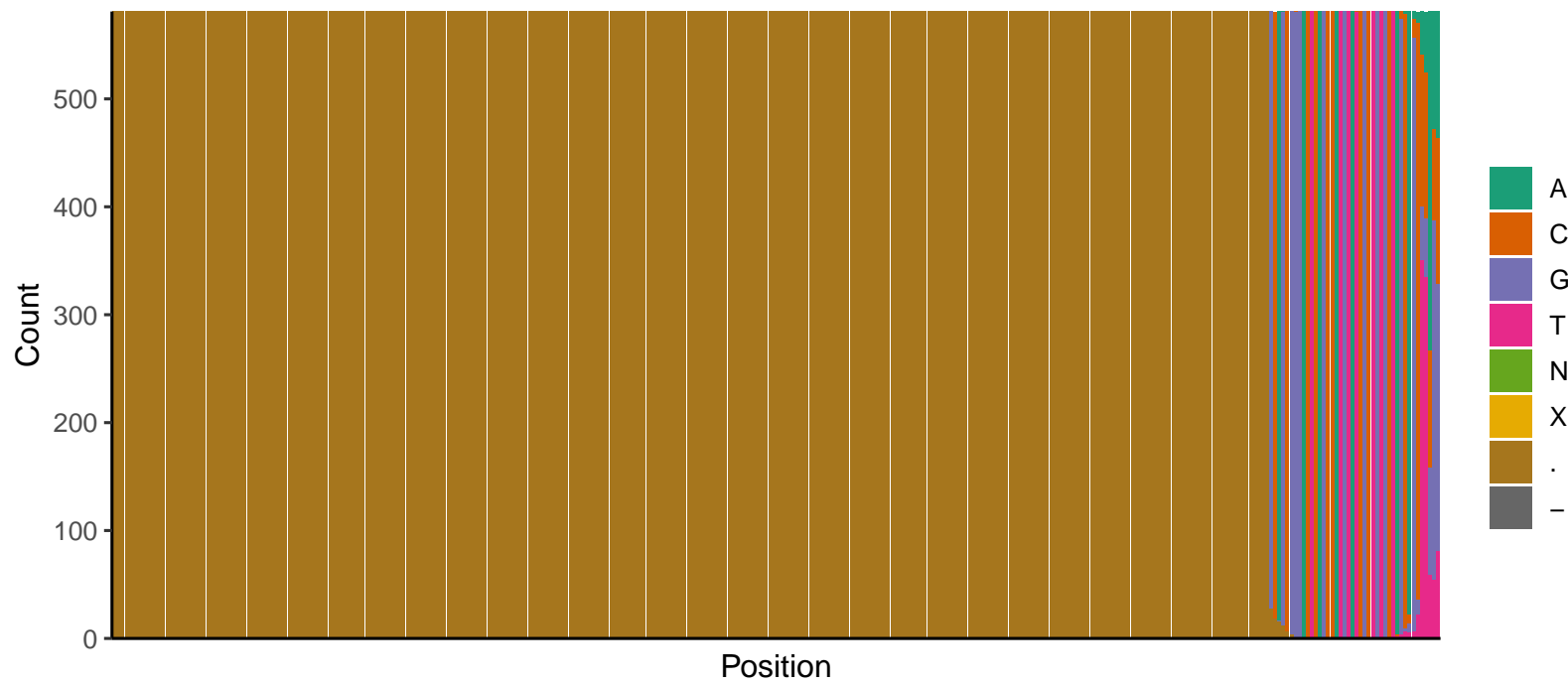
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



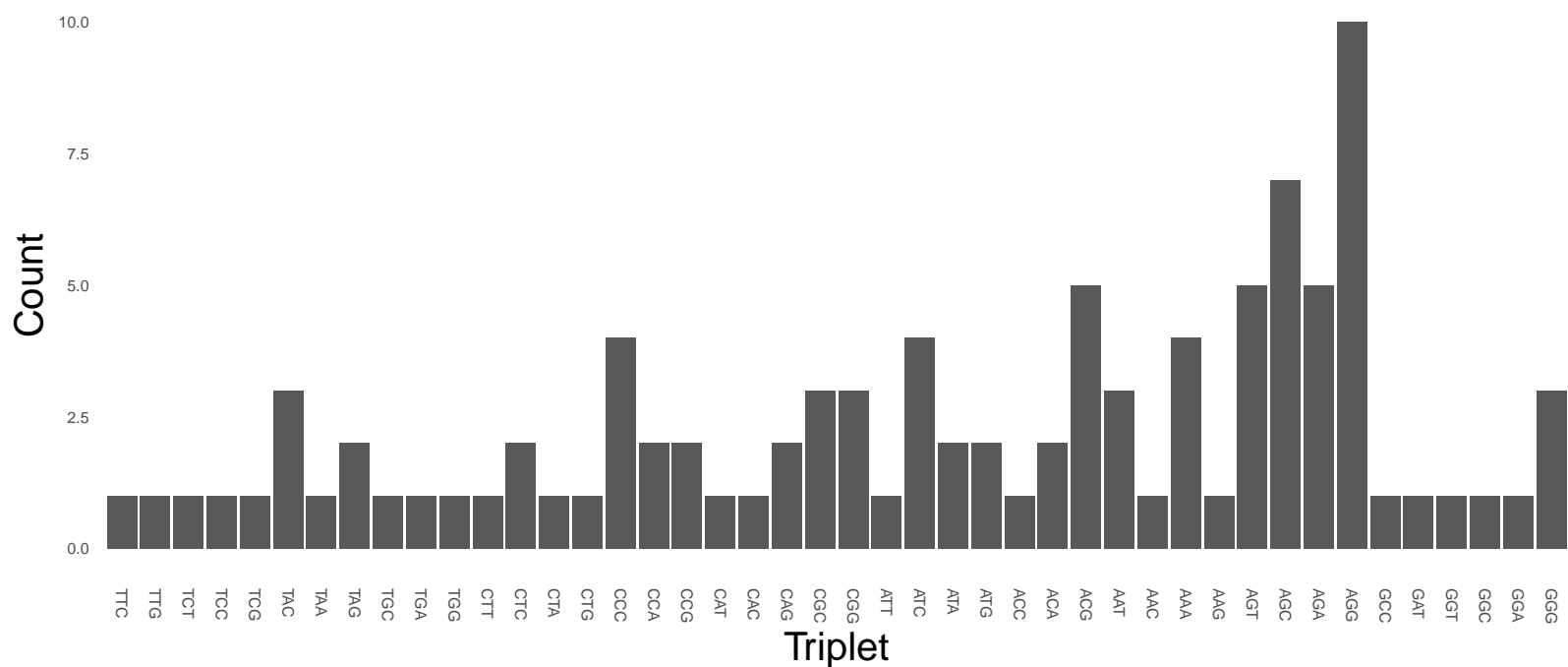
Gene TRBV7-1\*ap01\_G291C\_T296C



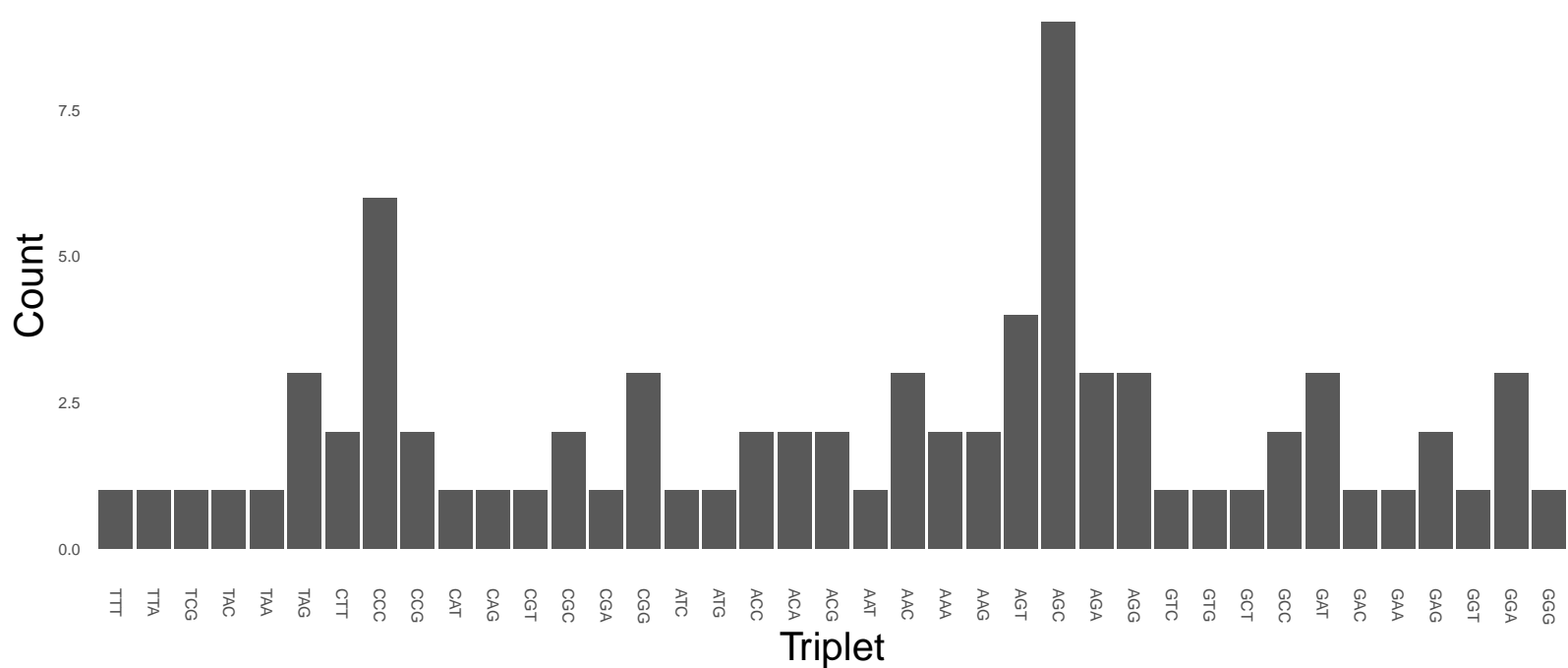
Gene TRBV7-7\*ap01\_C315T



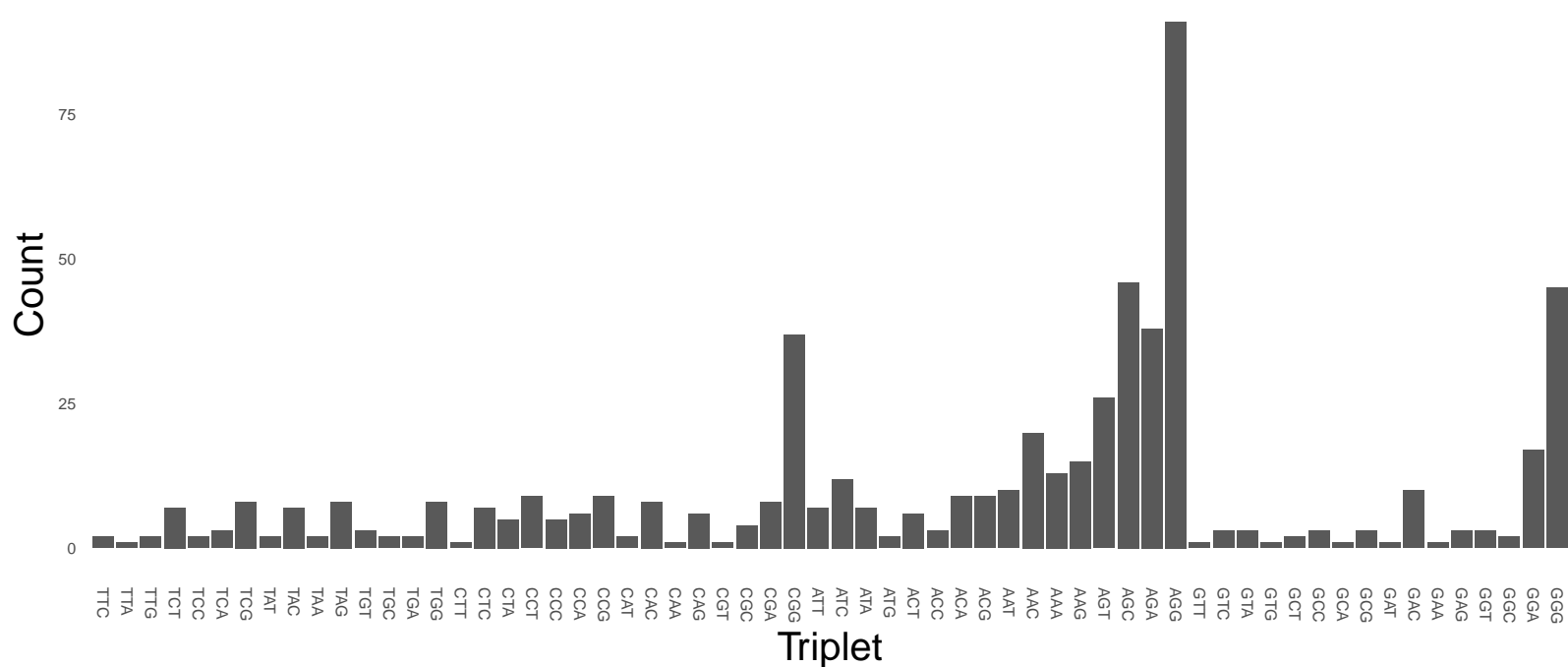
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

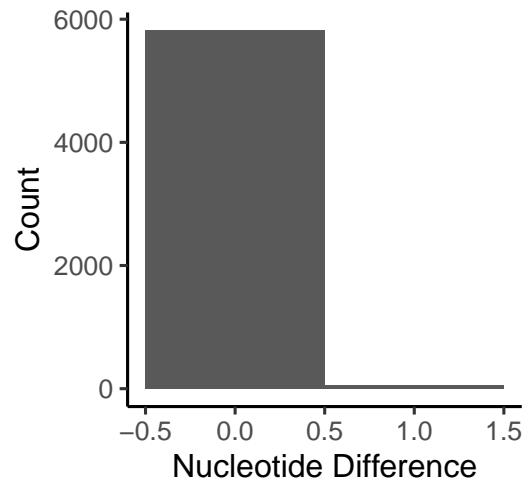


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



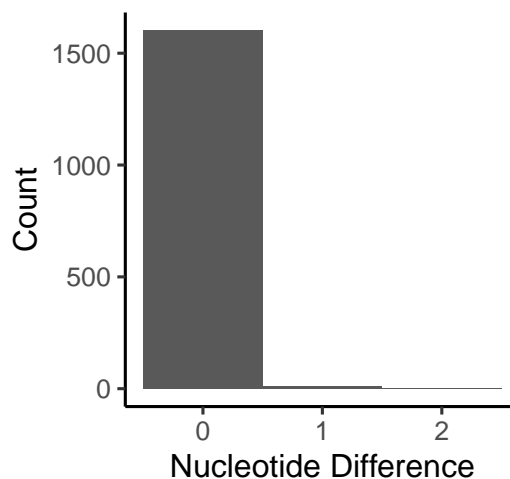
### TRBV20-1\*ap01

5881 sequences assigned  
5818 (98.9%) exact matches, in which:  
5759 unique CDR3  
13 unique J



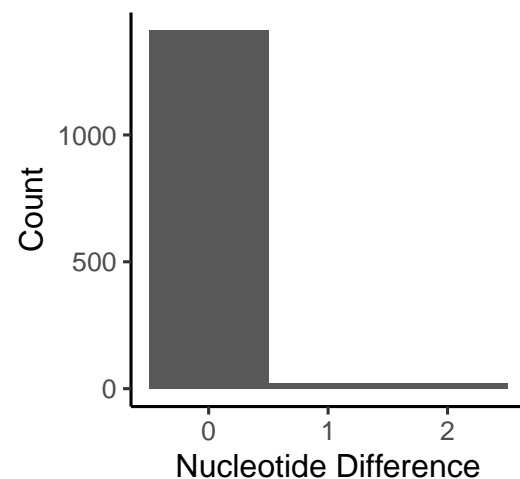
### TRBV10-2\*ap01

1614 sequences assigned  
1602 (99.3%) exact matches, in which:  
1566 unique CDR3  
13 unique J



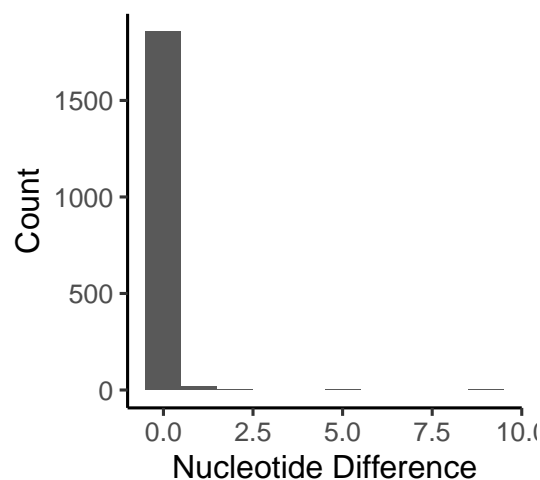
### TRBV13\*ap01

1452 sequences assigned  
1412 (97.2%) exact matches, in which:  
1375 unique CDR3  
13 unique J



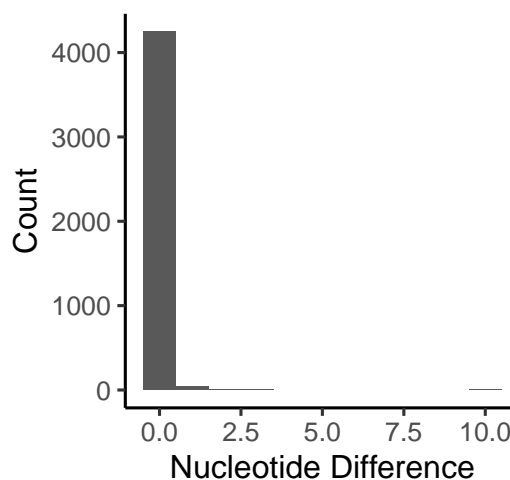
### TRBV10-1\*ap01

1877 sequences assigned  
1856 (98.9%) exact matches, in which:  
1819 unique CDR3  
13 unique J



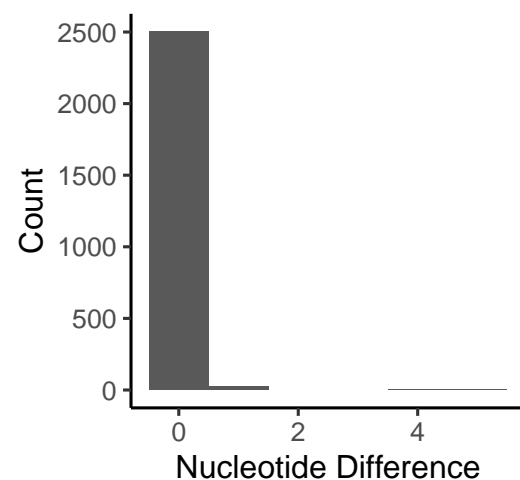
### TRBV10-3\*ap01

4291 sequences assigned  
4247 (99%) exact matches, in which:  
4186 unique CDR3  
13 unique J



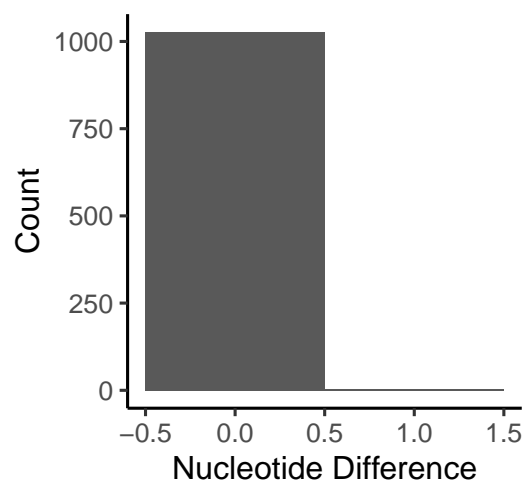
### TRBV14\*ap01

2525 sequences assigned  
2502 (99.1%) exact matches, in which:  
2467 unique CDR3  
13 unique J



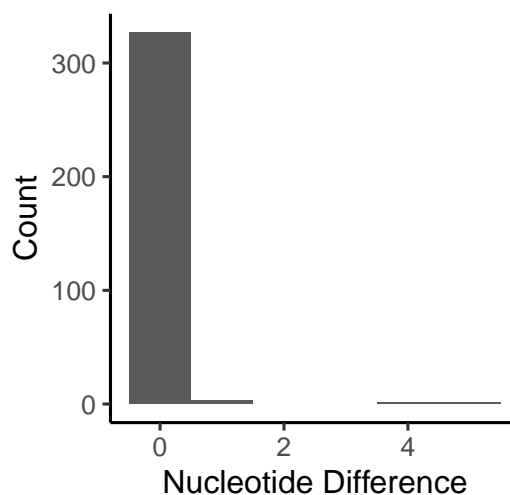
### TRBV20-1\*ap02

1031 sequences assigned  
1027 (99.6%) exact matches, in which:  
1012 unique CDR3  
13 unique J



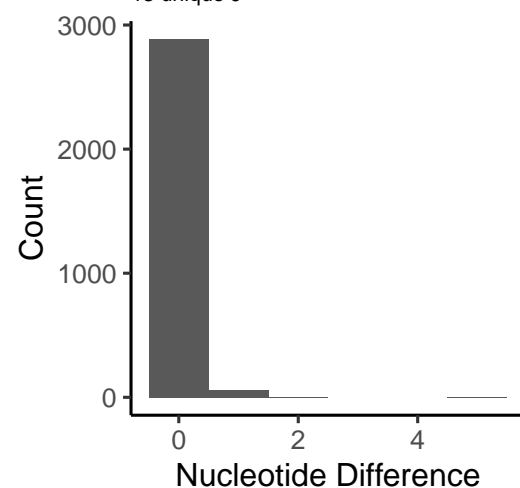
### TRBV1\*ap01

332 sequences assigned  
327 (98.5%) exact matches, in which:  
323 unique CDR3  
13 unique J



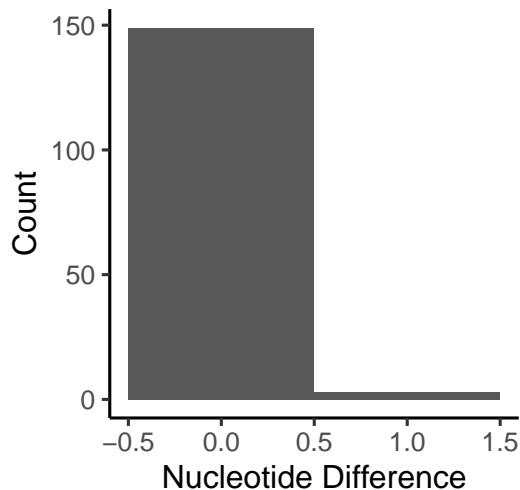
### TRBV15\*ap02

2949 sequences assigned  
2887 (97.9%) exact matches, in which:  
2840 unique CDR3  
13 unique J



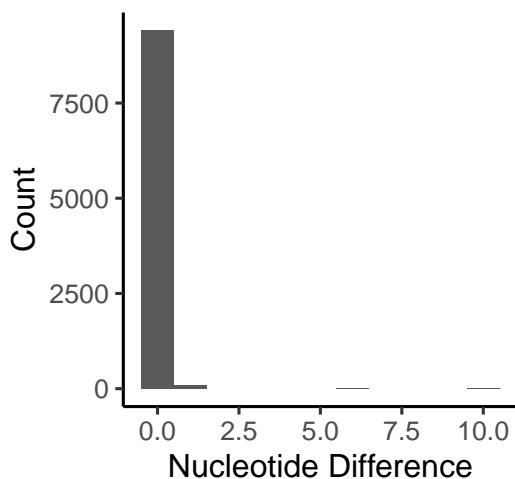
### TRBV16\*ap01

152 sequences assigned  
149 (98%) exact matches, in which:  
149 unique CDR3  
13 unique J



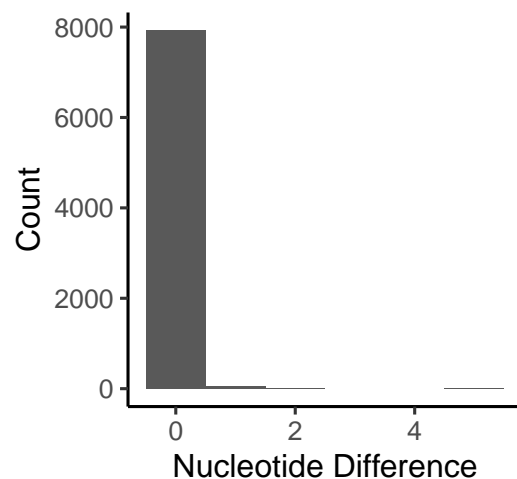
### TRBV19\*ap01

9508 sequences assigned  
9407 (98.9%) exact matches, in which:  
9335 unique CDR3  
13 unique J



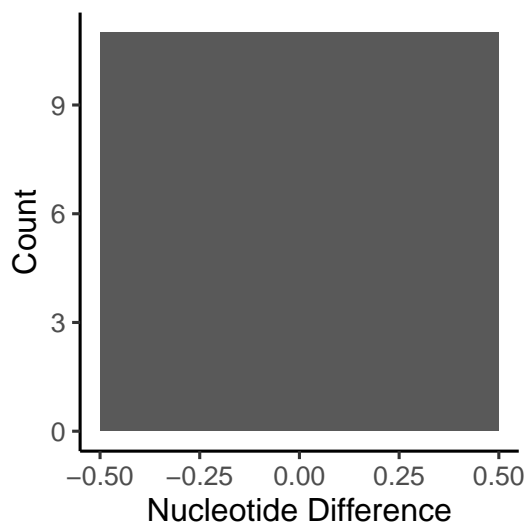
### TRBV28\*ap01

7991 sequences assigned  
7926 (99.2%) exact matches, in which:  
7827 unique CDR3  
13 unique J



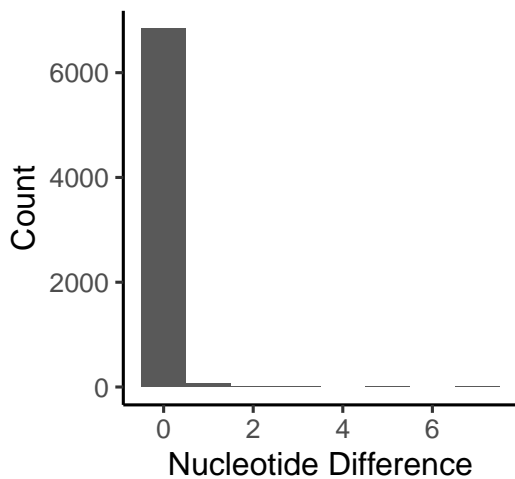
### TRBV17\*ap01

11 sequences assigned  
11 (100%) exact matches, in which:  
11 unique CDR3  
7 unique J



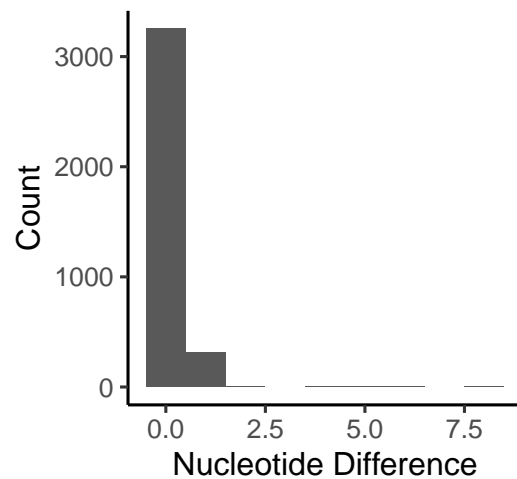
### TRBV2\*ap01

6915 sequences assigned  
6839 (98.9%) exact matches, in which:  
6713 unique CDR3  
13 unique J



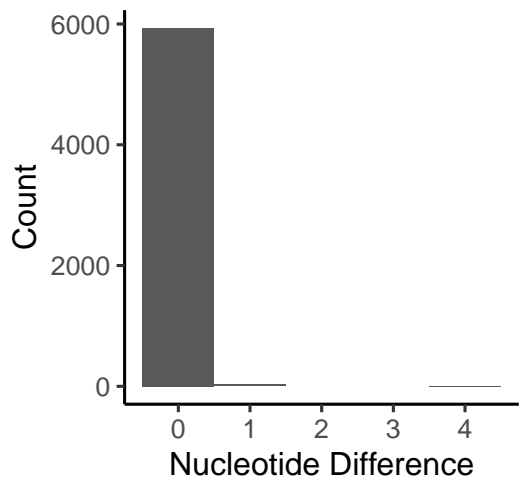
### TRBV30\*ap01

3570 sequences assigned  
3253 (91.1%) exact matches, in which:  
3190 unique CDR3  
13 unique J



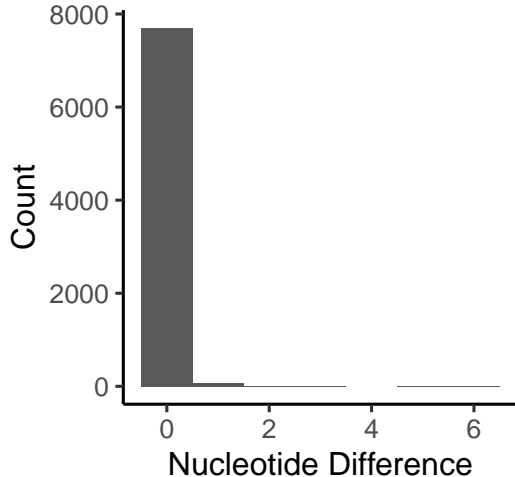
### TRBV18\*ap01

5963 sequences assigned  
5933 (99.5%) exact matches, in which:  
5898 unique CDR3  
13 unique J



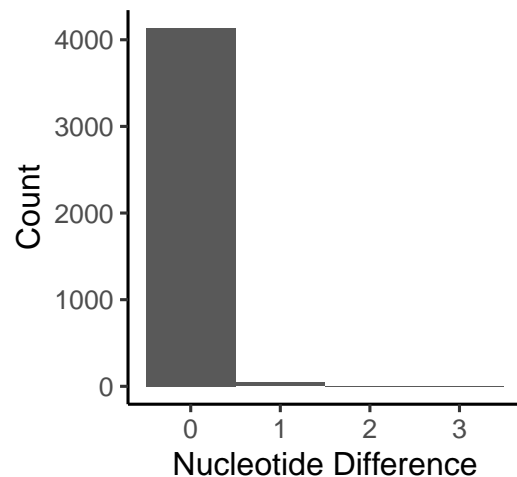
### TRBV27\*ap01

7772 sequences assigned  
7698 (99%) exact matches, in which:  
7586 unique CDR3  
13 unique J



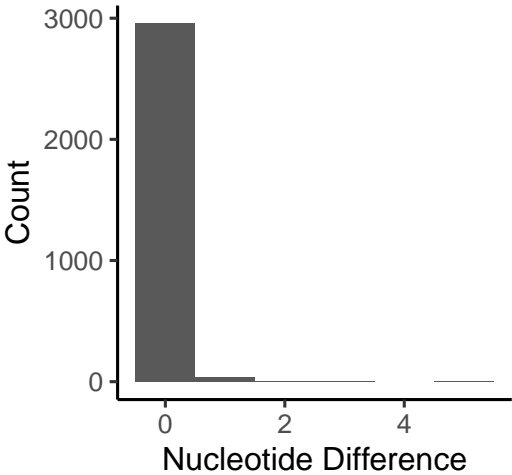
### TRBV9\*ap01

4180 sequences assigned  
4135 (98.9%) exact matches, in which:  
4103 unique CDR3  
13 unique J



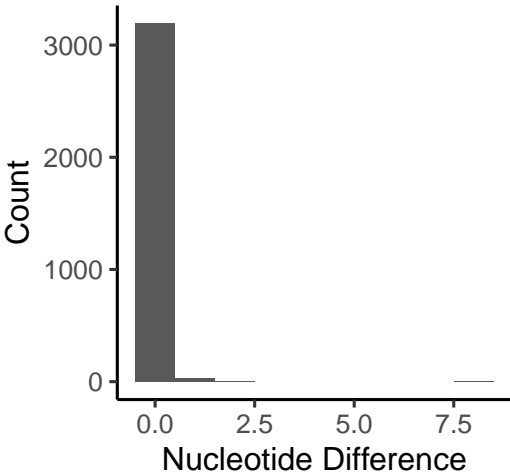
TRBV21-1\*ap01

2996 sequences assigned  
2957 (98.7%) exact matches, in which:  
2938 unique CDR3  
13 unique J



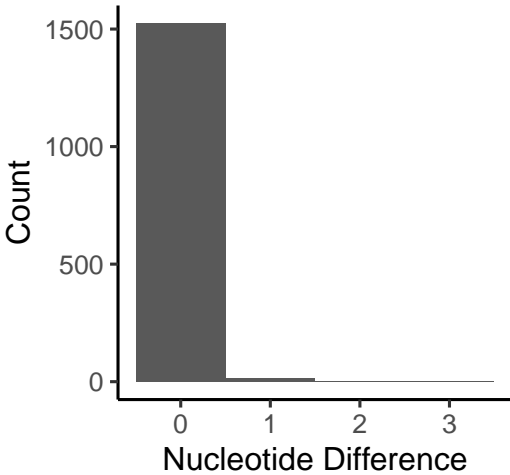
TRBV11-3\*ap01

3226 sequences assigned  
3193 (99%) exact matches, in which:  
3146 unique CDR3  
13 unique J



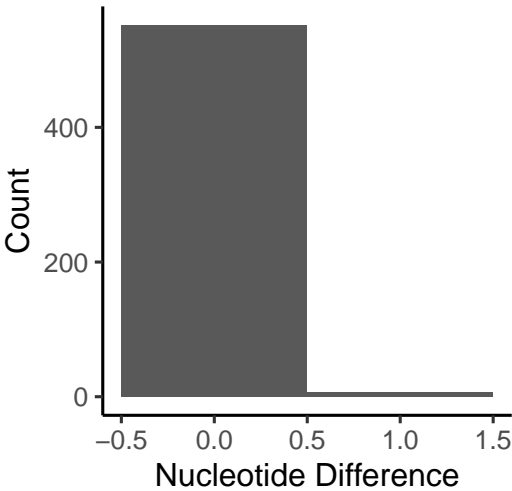
TRBV12-5\*ap01

1542 sequences assigned  
1524 (98.8%) exact matches, in which:  
1502 unique CDR3  
13 unique J



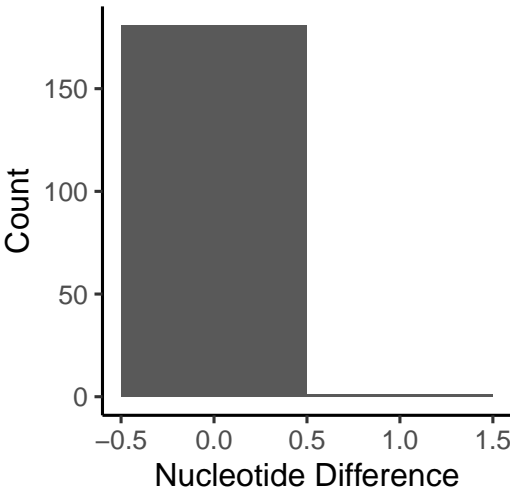
TRBV11-1\*ap01

559 sequences assigned  
552 (98.7%) exact matches, in which:  
544 unique CDR3  
13 unique J



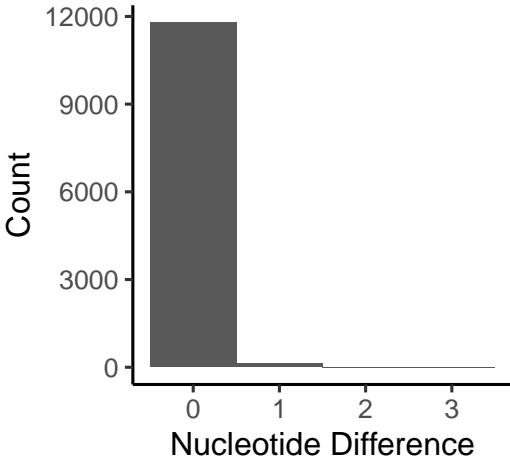
TRBV12-1\*ap01

182 sequences assigned  
181 (99.5%) exact matches, in which:  
180 unique CDR3  
12 unique J



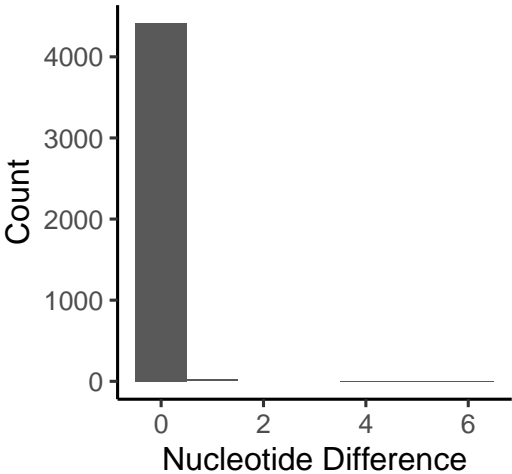
TRBV12-34\*ap01

11924 sequences assigned  
11793 (98.9%) exact matches, in which:  
11612 unique CDR3  
13 unique J



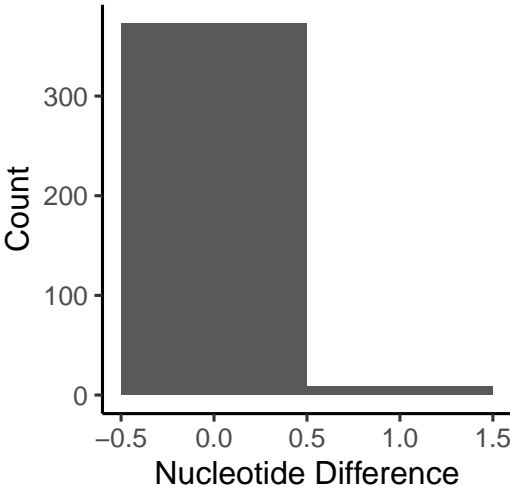
TRBV11-2\*ap01

4440 sequences assigned  
4416 (99.5%) exact matches, in which:  
4363 unique CDR3  
13 unique J



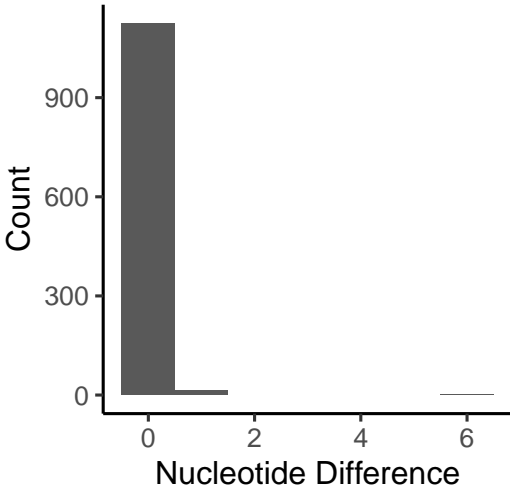
TRBV12-2\*ap01

382 sequences assigned  
373 (97.6%) exact matches, in which:  
365 unique CDR3  
13 unique J



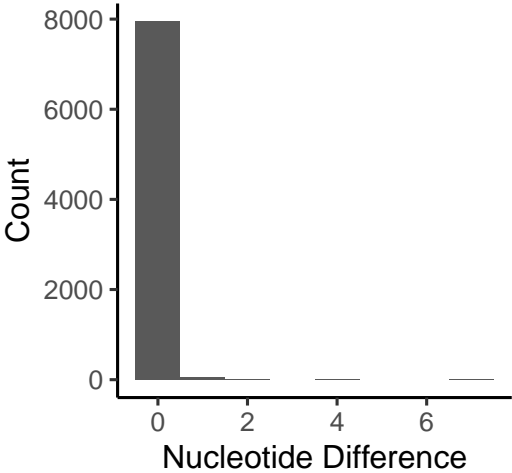
TRBV23-1\*ap01

1140 sequences assigned  
1125 (98.7%) exact matches, in which:  
1115 unique CDR3  
13 unique J



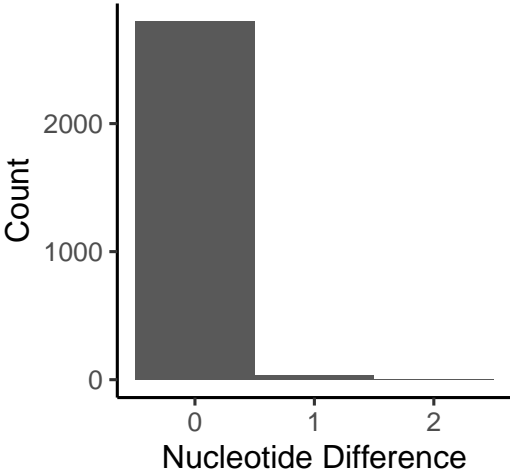
TRBV3-12\*ap01

8002 sequences assigned  
7949 (99.3%) exact matches, in which:  
7877 unique CDR3  
13 unique J



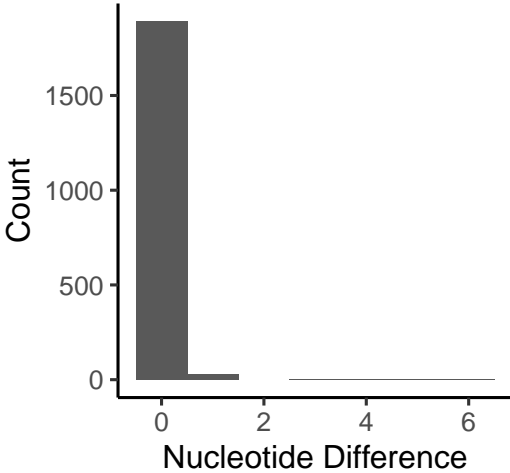
TRBV4-2\*ap01

2834 sequences assigned  
2798 (98.7%) exact matches, in which:  
2746 unique CDR3  
13 unique J



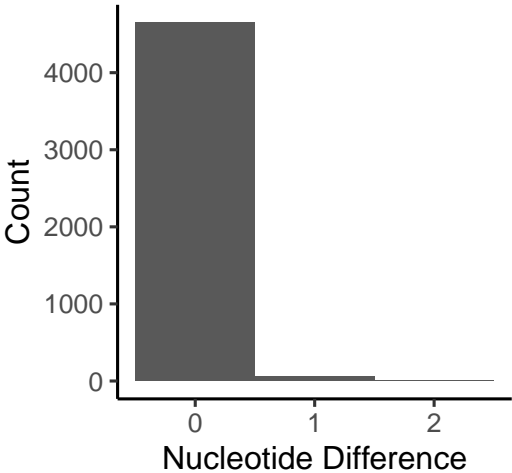
TRBV25-1\*ap01

1923 sequences assigned  
1891 (98.3%) exact matches, in which:  
1848 unique CDR3  
13 unique J



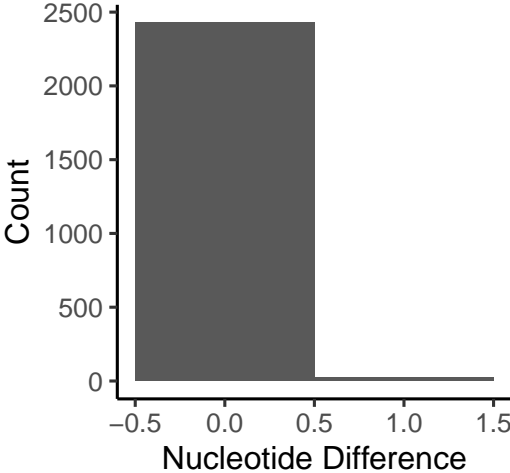
TRBV4-1\*ap01

4702 sequences assigned  
4648 (98.9%) exact matches, in which:  
4578 unique CDR3  
13 unique J



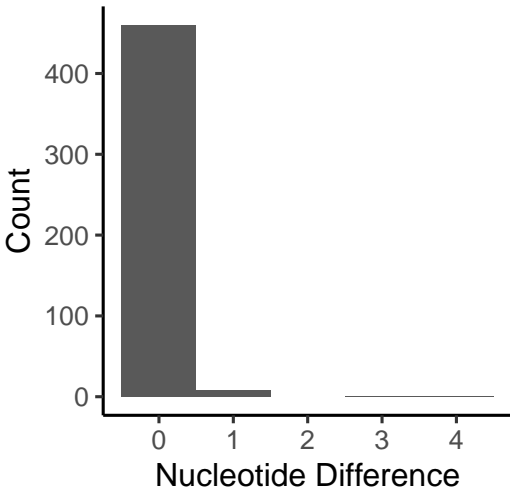
TRBV4-3\*ap01

2449 sequences assigned  
2428 (99.1%) exact matches, in which:  
2385 unique CDR3  
13 unique J



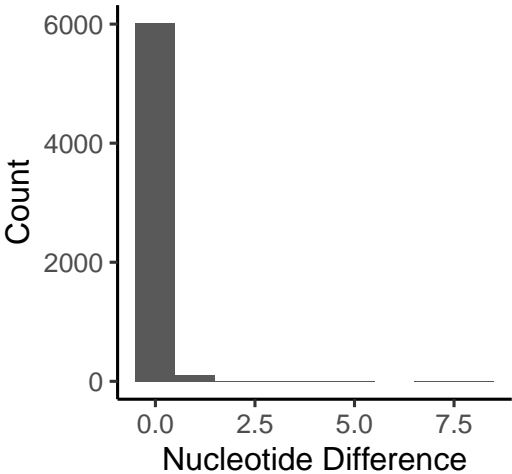
TRBV5-3\*ap01

470 sequences assigned  
460 (97.9%) exact matches, in which:  
452 unique CDR3  
13 unique J



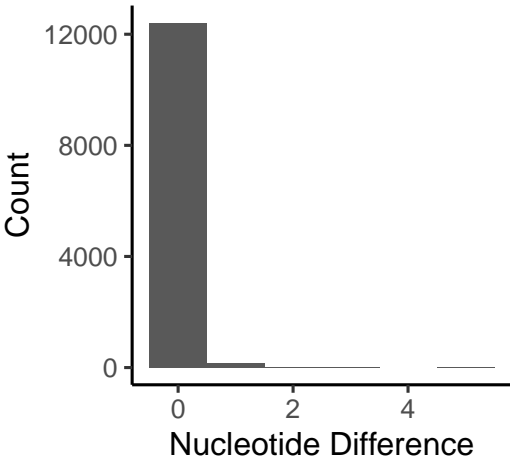
TRBV24-1\*ap01

6137 sequences assigned  
6018 (98.1%) exact matches, in which:  
5909 unique CDR3  
13 unique J



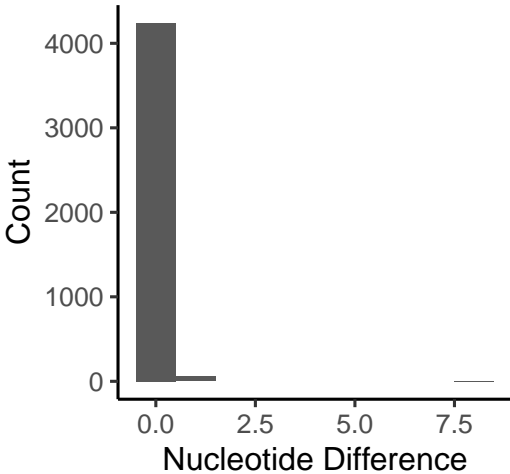
TRBV5-1\*ap01

12589 sequences assigned  
12412 (98.6%) exact matches, in which:  
12193 unique CDR3  
13 unique J



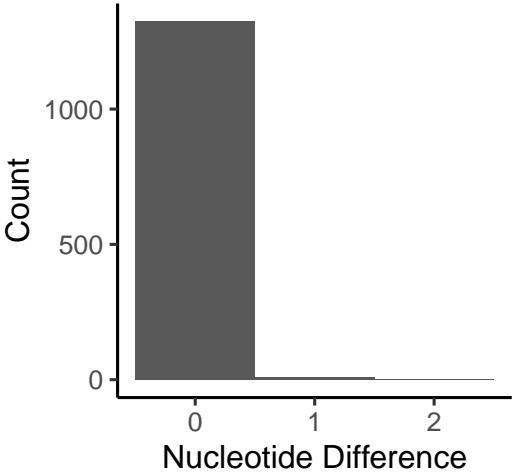
TRBV5-4\*ap01

4296 sequences assigned  
4240 (98.7%) exact matches, in which:  
4170 unique CDR3  
13 unique J



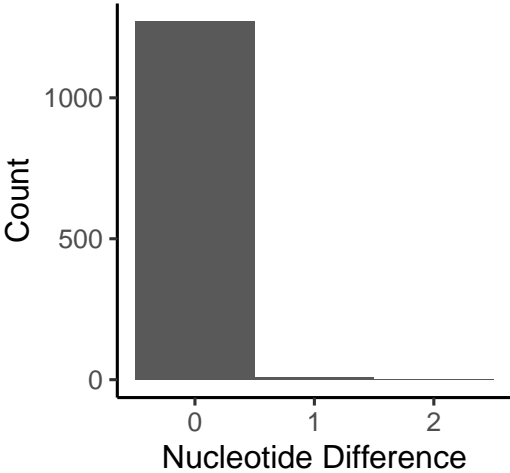
TRBV5-5\*ap01

1334 sequences assigned  
1324 (99.3%) exact matches, in which:  
1316 unique CDR3  
13 unique J



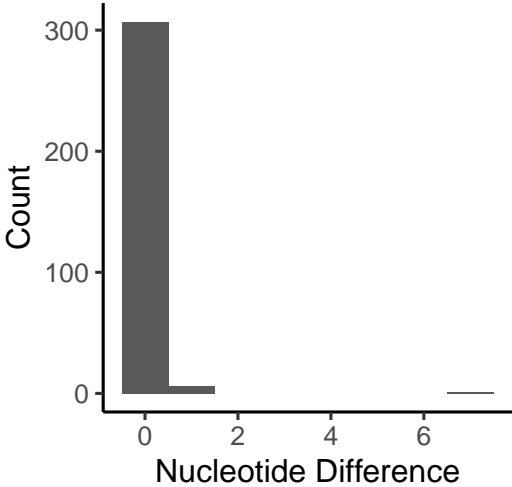
TRBV5-8\*ap01

1280 sequences assigned  
1271 (99.3%) exact matches, in which:  
1248 unique CDR3  
13 unique J



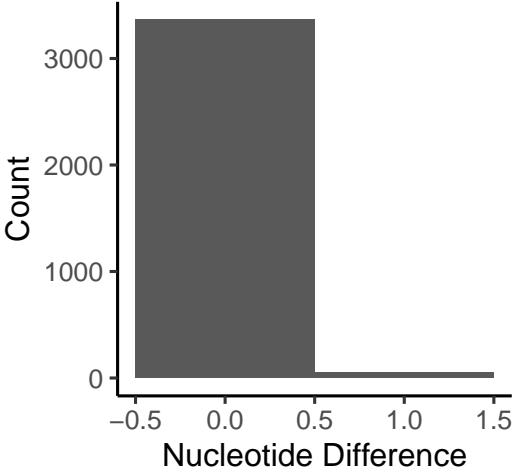
TRBV6-7\*ap01

314 sequences assigned  
307 (97.8%) exact matches, in which:  
300 unique CDR3  
13 unique J



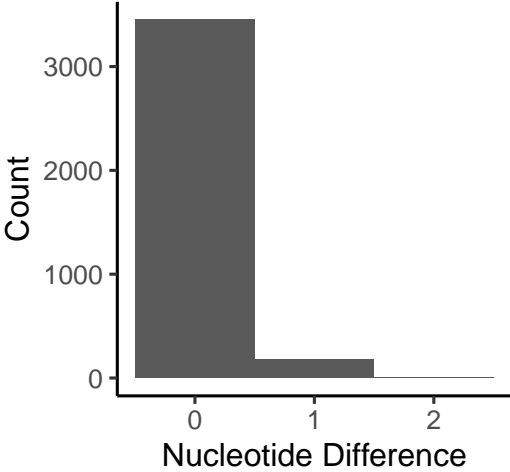
TRBV5-6\*ap01

3417 sequences assigned  
3364 (98.4%) exact matches, in which:  
3274 unique CDR3  
13 unique J



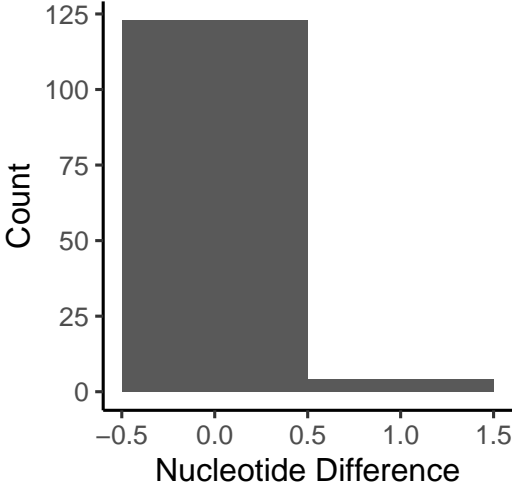
TRBV6-1\*ap01

3637 sequences assigned  
3451 (94.9%) exact matches, in which:  
3382 unique CDR3  
13 unique J



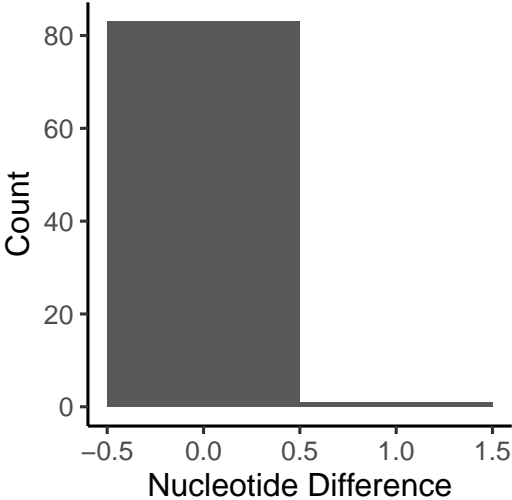
TRBV6-8\*ap01

127 sequences assigned  
123 (96.9%) exact matches, in which:  
121 unique CDR3  
13 unique J



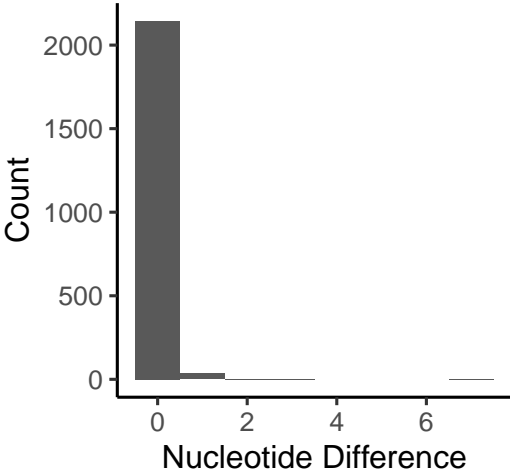
TRBV5-7\*ap01

84 sequences assigned  
83 (98.8%) exact matches, in which:  
80 unique CDR3  
13 unique J



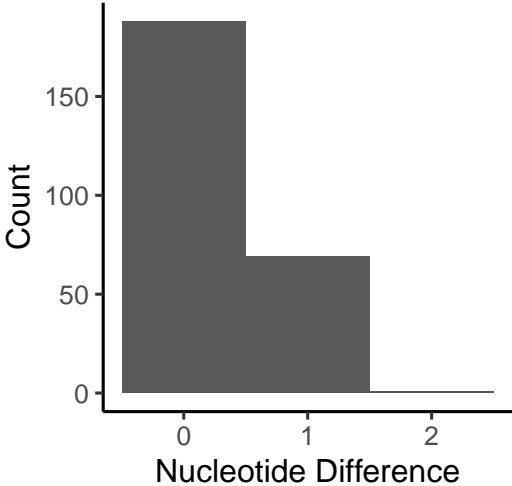
TRBV6-4\*ap01

2183 sequences assigned  
2144 (98.2%) exact matches, in which:  
2130 unique CDR3  
13 unique J



TRBV6-9\*ap01

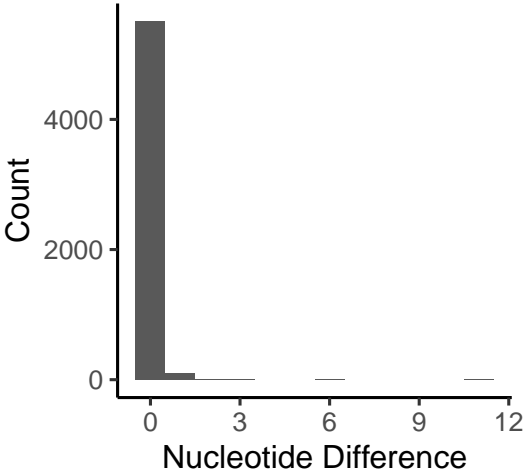
258 sequences assigned  
188 (72.9%) exact matches, in which:  
185 unique CDR3  
13 unique J





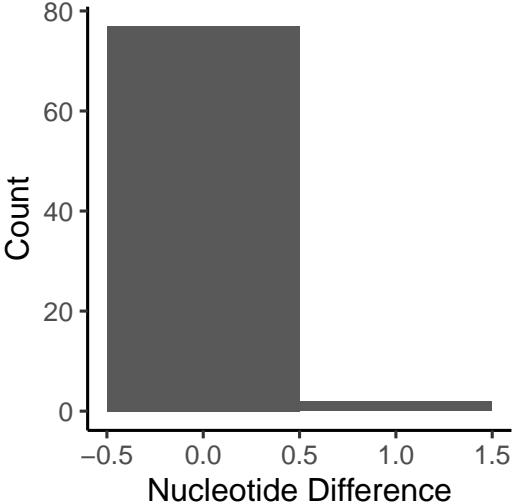
TRBV6-23\*ap01

5604 sequences assigned  
5506 (98.3%) exact matches, in which:  
5337 unique CDR3  
13 unique J



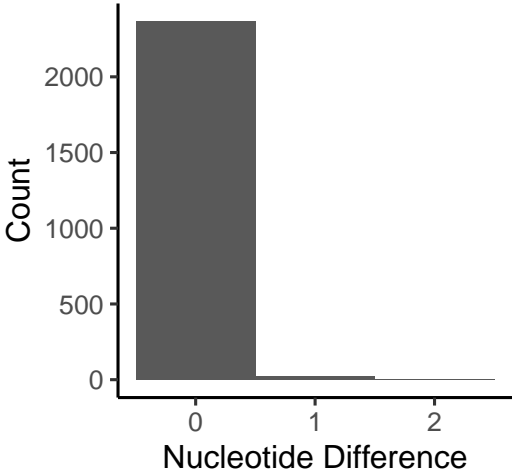
TRBV7-1\*ap01\_G291C\_T

79 sequences assigned  
77 (97.5%) exact matches, in which:  
76 unique CDR3  
11 unique J



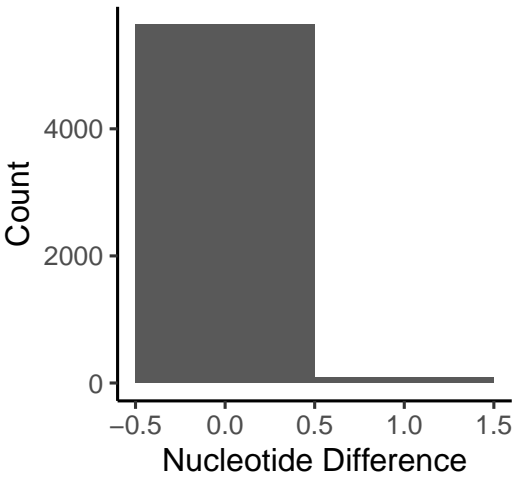
TRBV7-3\*ap01

2394 sequences assigned  
2366 (98.8%) exact matches, in which:  
2340 unique CDR3  
13 unique J



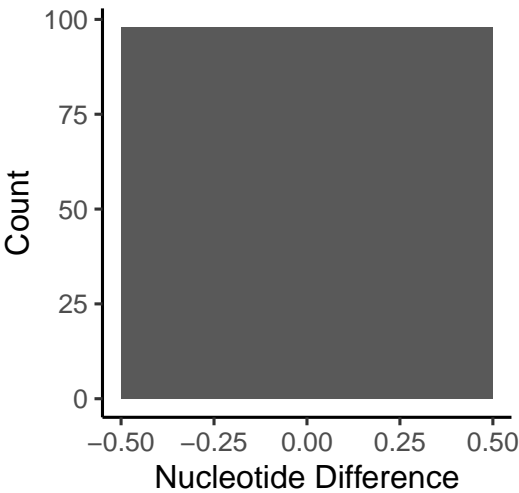
TRBV6-56\*ap01

5723 sequences assigned  
5638 (98.5%) exact matches, in which:  
5502 unique CDR3  
13 unique J



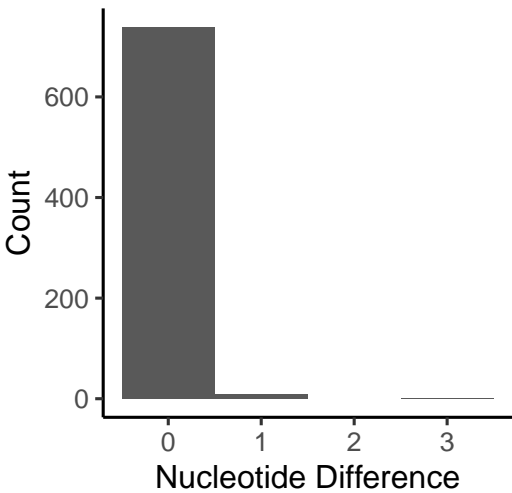
TRBV7-1\*ap01\_G291C\_

98 sequences assigned  
98 (100%) exact matches, in which:  
96 unique CDR3  
11 unique J



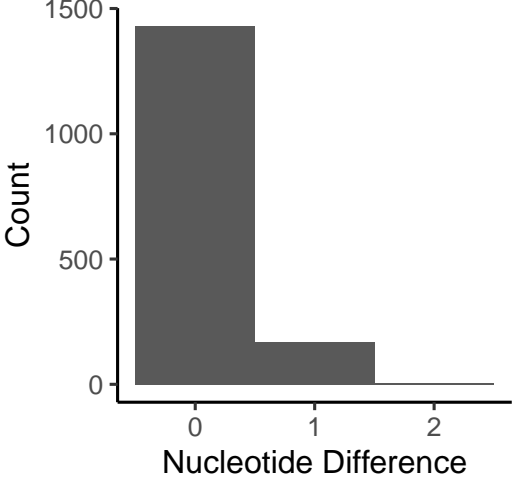
TRBV7-3\*ap03

749 sequences assigned  
739 (98.7%) exact matches, in which:  
731 unique CDR3  
13 unique J



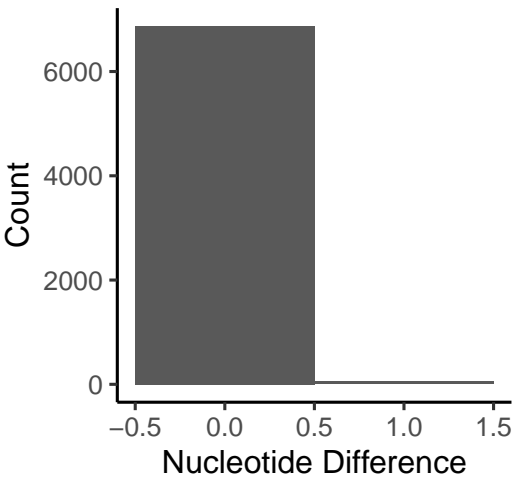
TRBV6-56\*ap02

1604 sequences assigned  
1430 (89.2%) exact matches, in which:  
1397 unique CDR3  
13 unique J



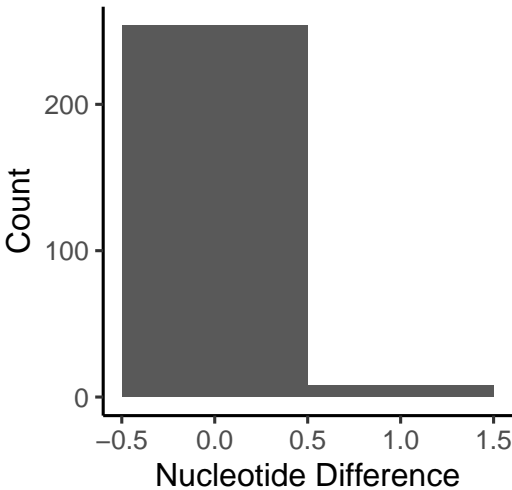
TRBV7-2\*ap01

6925 sequences assigned  
6872 (99.2%) exact matches, in which:  
6787 unique CDR3  
13 unique J



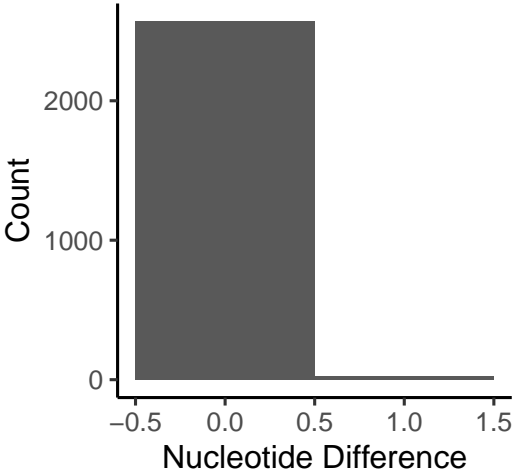
TRBV7-4\*ap01

262 sequences assigned  
254 (96.9%) exact matches, in which:  
253 unique CDR3  
13 unique J



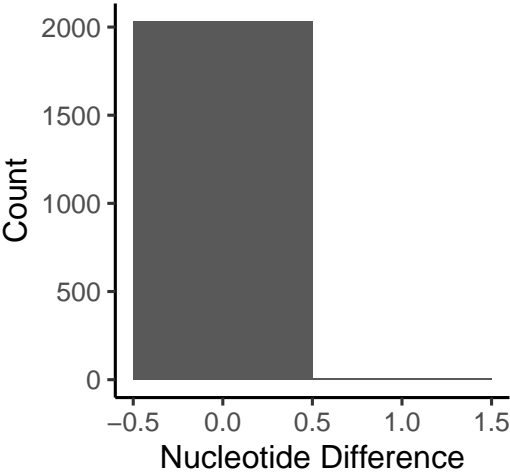
TRBV7-6\*ap01

2594 sequences assigned  
2569 (99%) exact matches, in which:  
2530 unique CDR3  
13 unique J



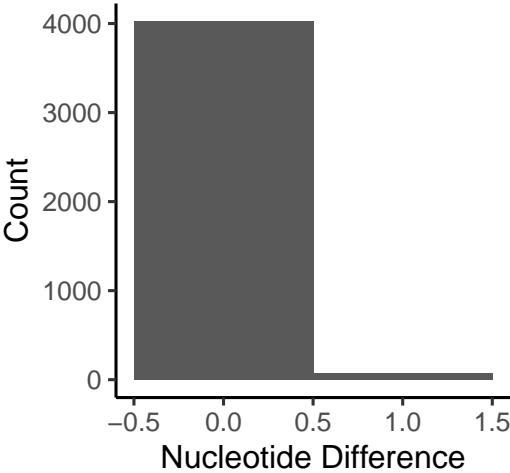
TRBV7-8\*ap01

2042 sequences assigned  
2032 (99.5%) exact matches, in which:  
2011 unique CDR3  
13 unique J



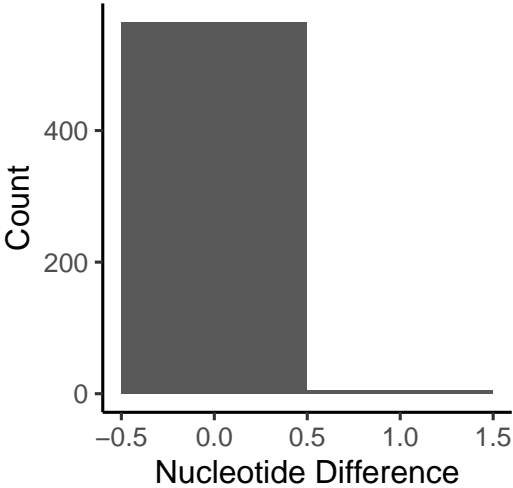
TRBV29-1\*ap01

4098 sequences assigned  
4024 (98.2%) exact matches, in which:  
3916 unique CDR3  
13 unique J



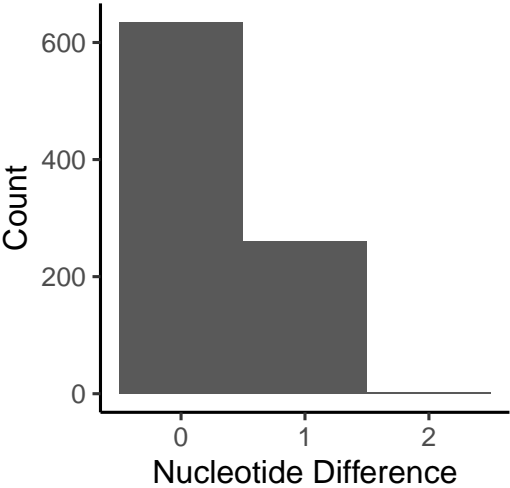
TRBV7-7\*ap01

570 sequences assigned  
565 (99.1%) exact matches, in which:  
554 unique CDR3  
13 unique J



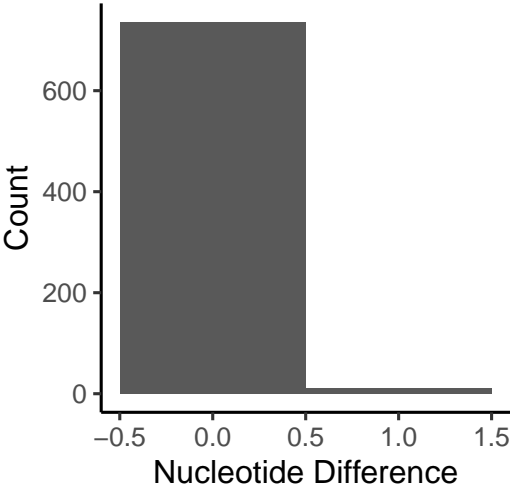
TRBV7-8\*ap03

899 sequences assigned  
635 (70.6%) exact matches, in which:  
625 unique CDR3  
13 unique J



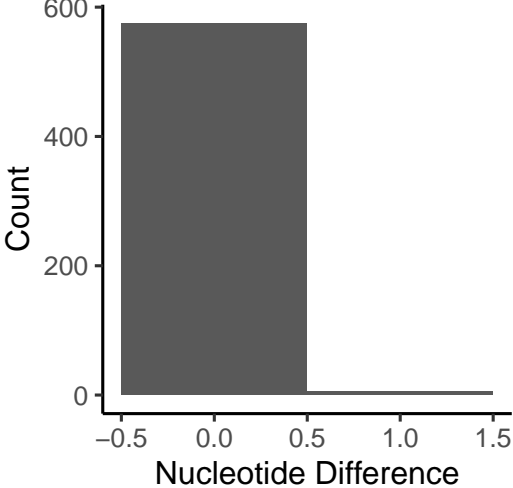
TRBV29-1\*ap02

747 sequences assigned  
736 (98.5%) exact matches, in which:  
719 unique CDR3  
13 unique J



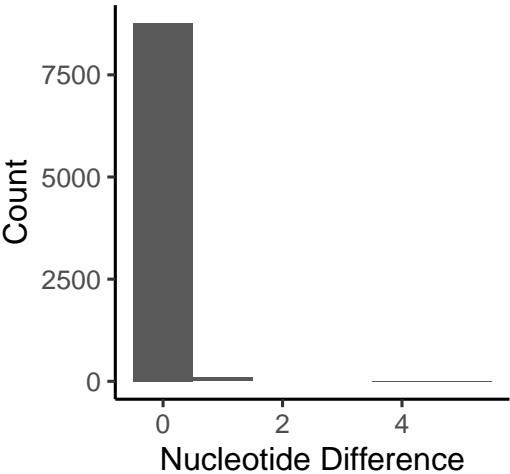
TRBV7-7\*ap01\_C315T

581 sequences assigned  
575 (99%) exact matches, in which:  
571 unique CDR3  
13 unique J

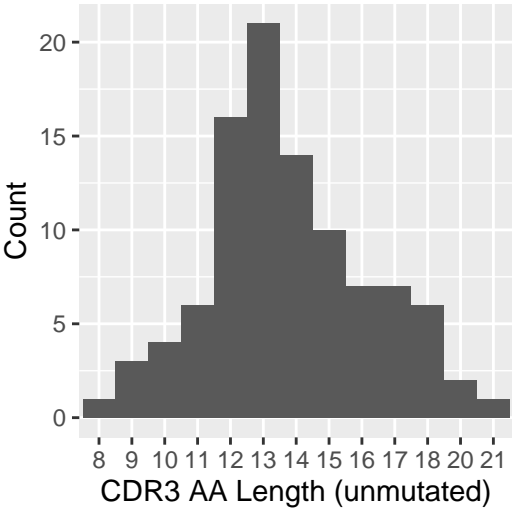


TRBV7-9\*ap01

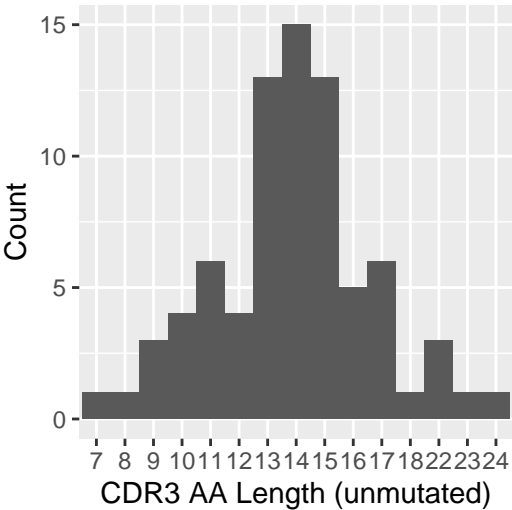
8860 sequences assigned  
8767 (99%) exact matches, in which:  
8657 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

