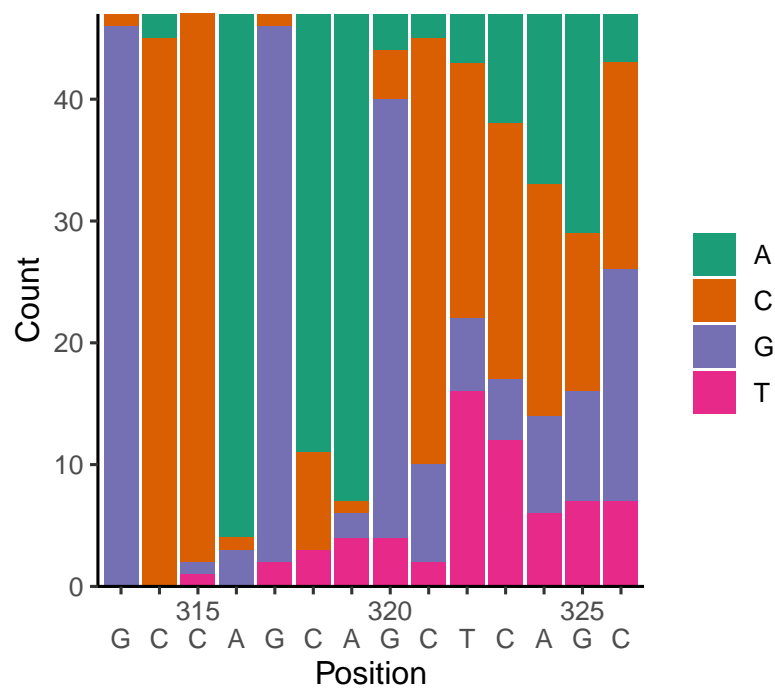
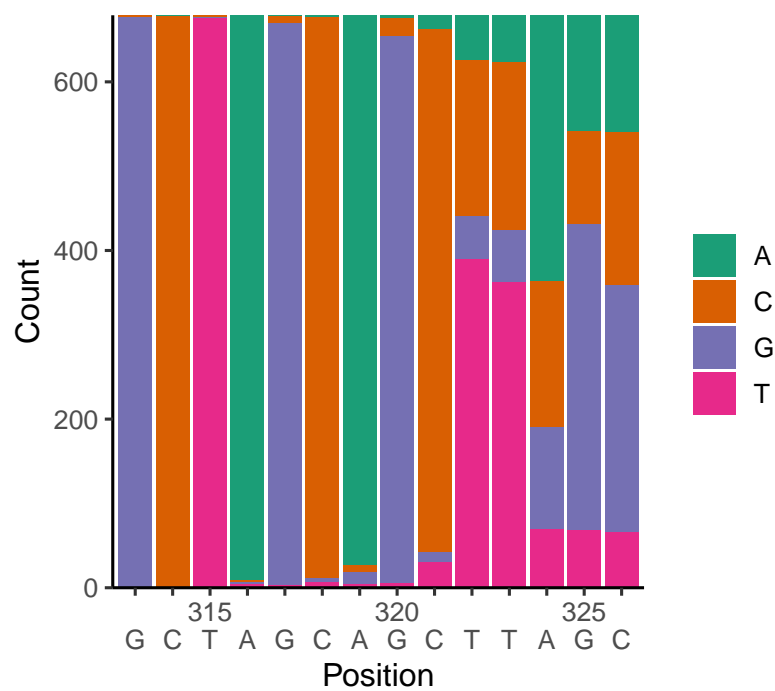


Gene TRBV7-1\*ap01\_T296C



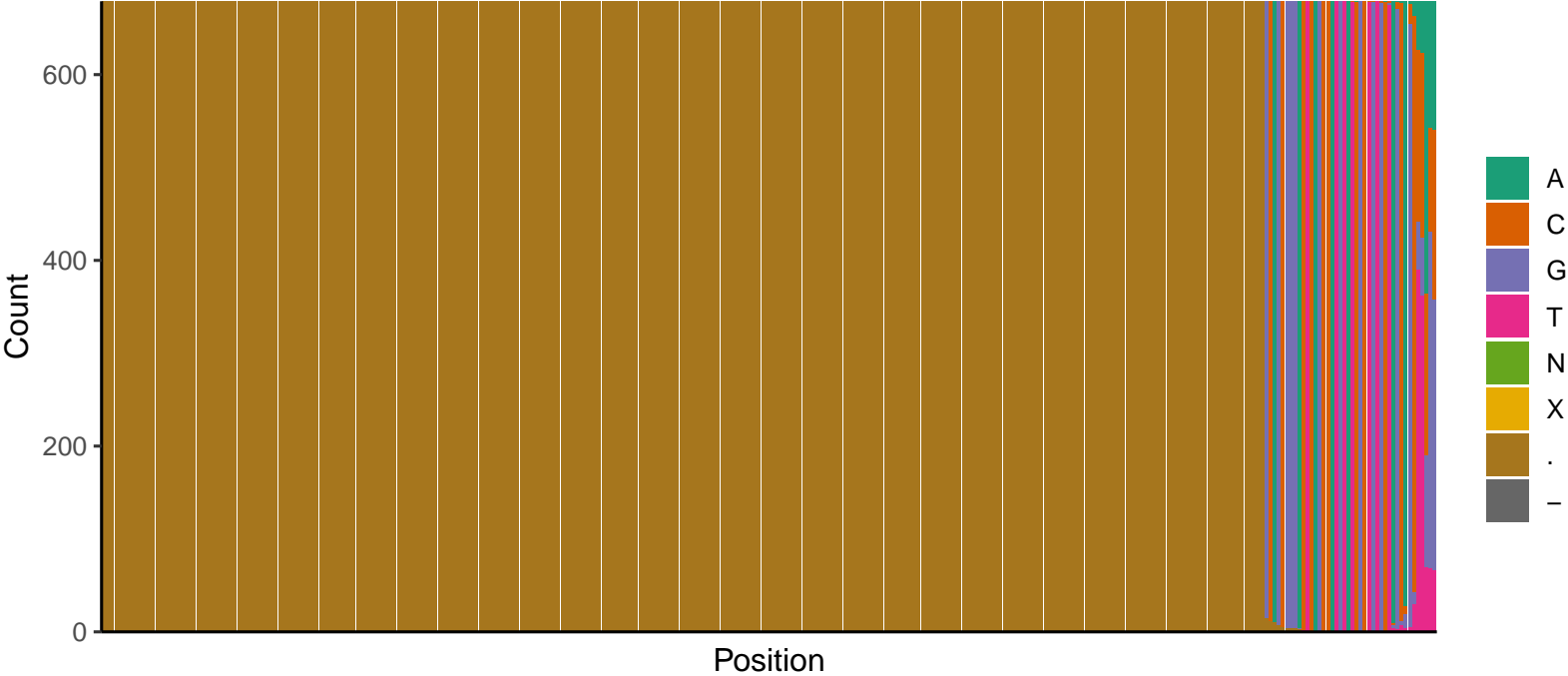
Gene TRBV7-7\*ap01\_C315T



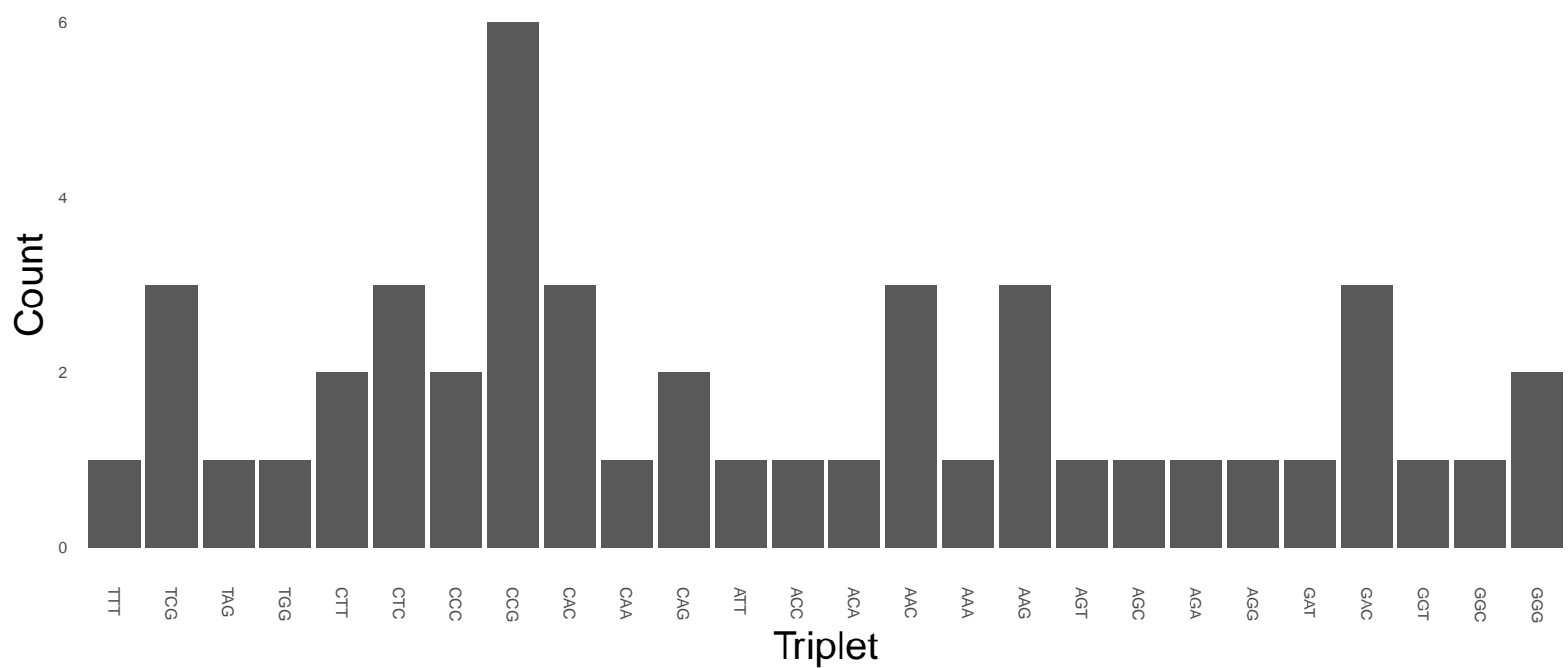
Gene TRBV7-1\*ap01\_T296C



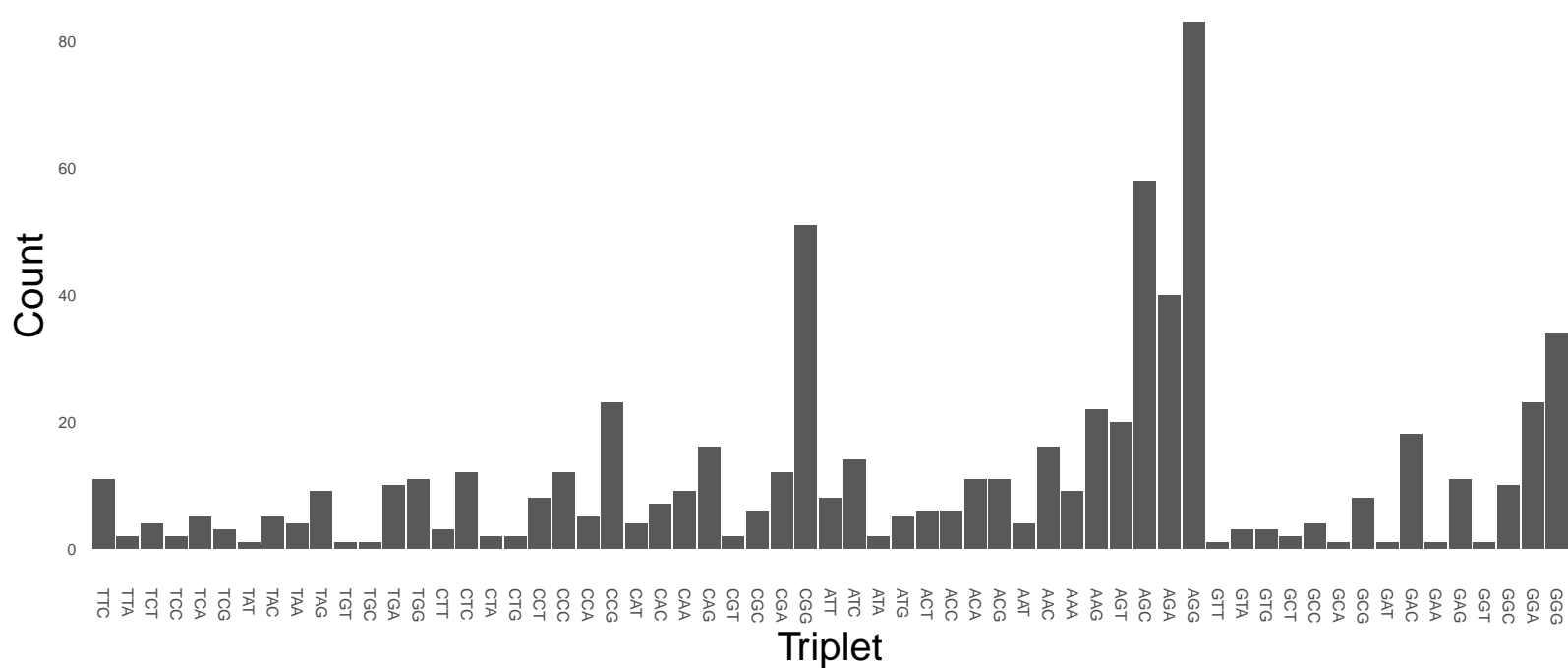
Gene TRBV7-7\*ap01\_C315T



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

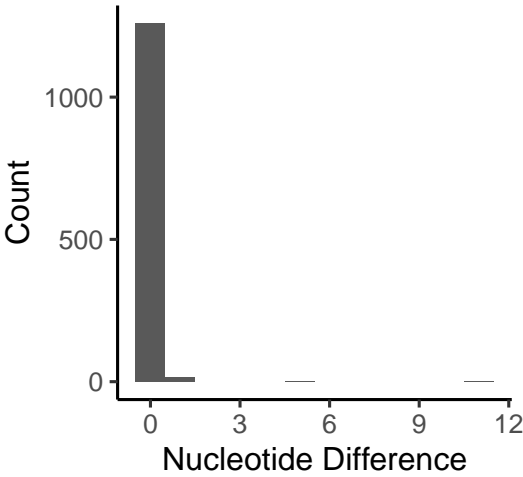


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



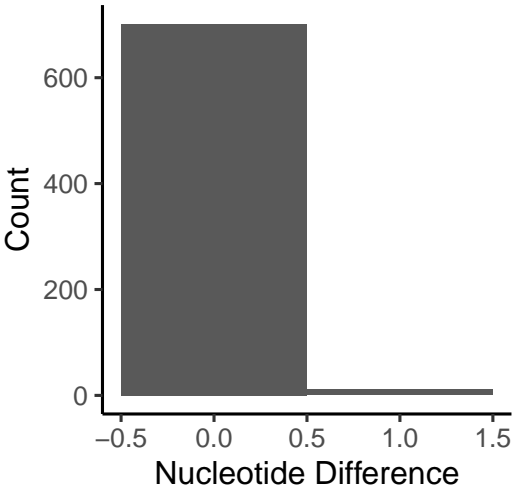
TRBV10-1\*ap01

1278 sequences assigned  
1259 (98.5%) exact matches, in which:  
1231 unique CDR3  
13 unique J



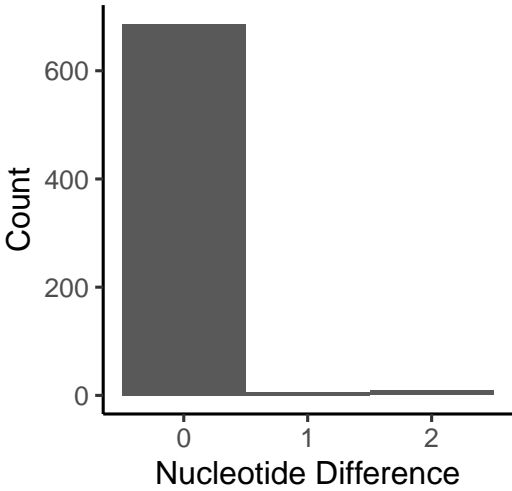
TRBV10-2\*ap01

713 sequences assigned  
702 (98.5%) exact matches, in which:  
682 unique CDR3  
13 unique J



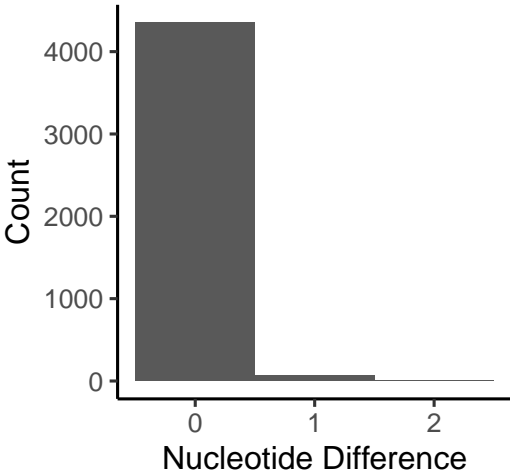
TRBV13\*ap01

703 sequences assigned  
687 (97.7%) exact matches, in which:  
669 unique CDR3  
13 unique J



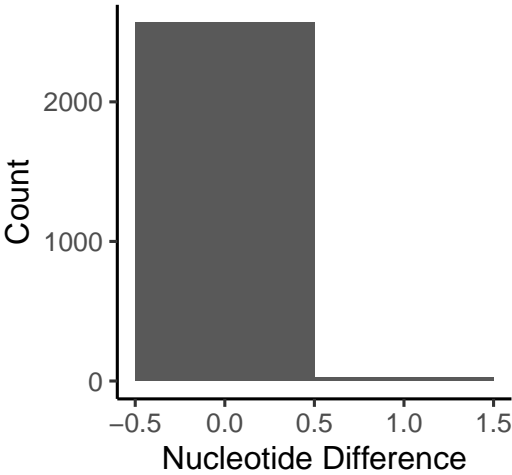
TRBV20-1\*ap01

4415 sequences assigned  
4351 (98.6%) exact matches, in which:  
4267 unique CDR3  
13 unique J



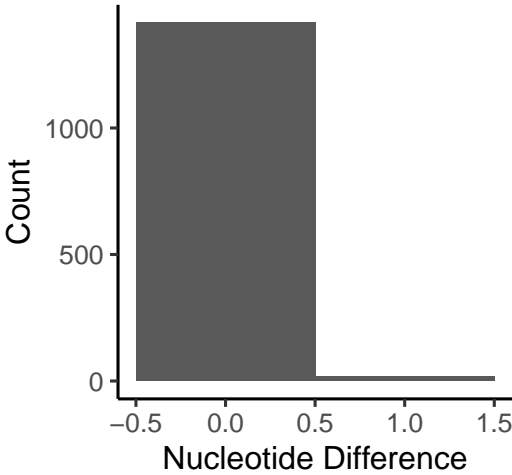
TRBV10-3\*ap01

2591 sequences assigned  
2567 (99.1%) exact matches, in which:  
2510 unique CDR3  
13 unique J



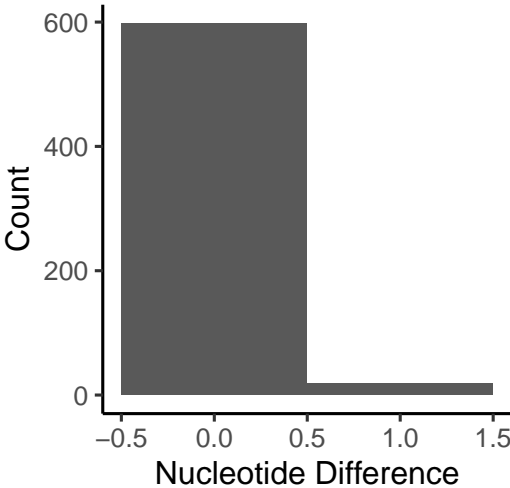
TRBV14\*ap01

1435 sequences assigned  
1416 (98.7%) exact matches, in which:  
1384 unique CDR3  
13 unique J



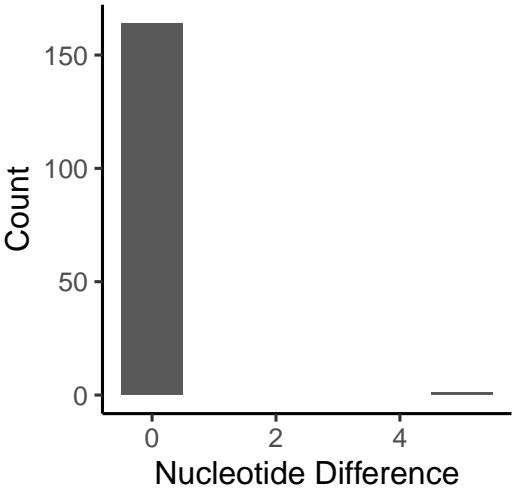
TRBV20-1\*ap02

617 sequences assigned  
598 (96.9%) exact matches, in which:  
590 unique CDR3  
13 unique J



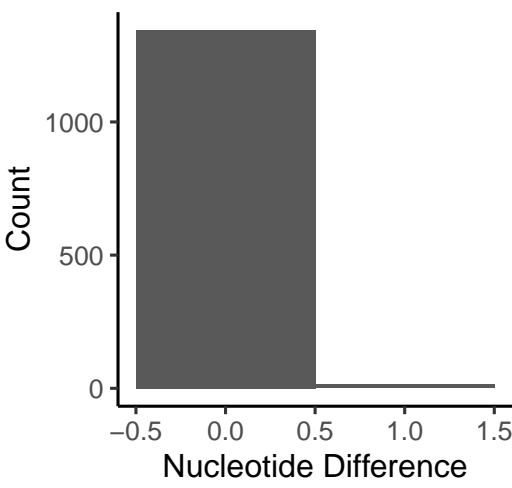
TRBV1\*ap01

165 sequences assigned  
164 (99.4%) exact matches, in which:  
159 unique CDR3  
13 unique J



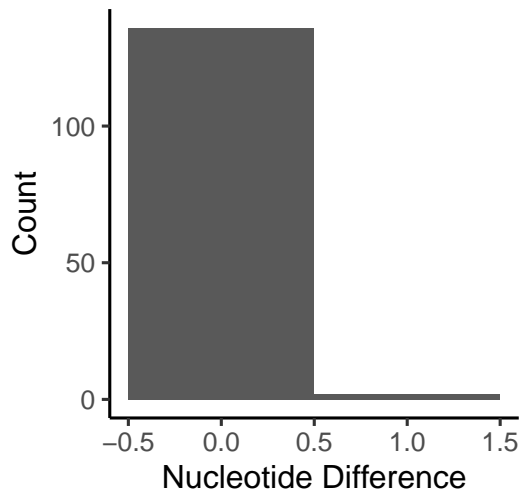
TRBV15\*ap02

1360 sequences assigned  
1345 (98.9%) exact matches, in which:  
1305 unique CDR3  
13 unique J



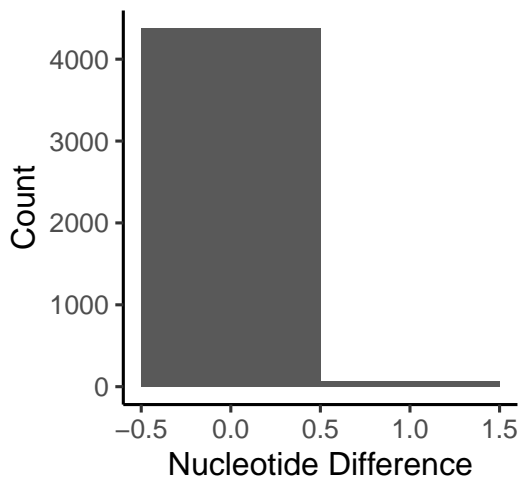
### TRBV16\*ap01

138 sequences assigned  
136 (98.6%) exact matches, in which:  
135 unique CDR3  
13 unique J



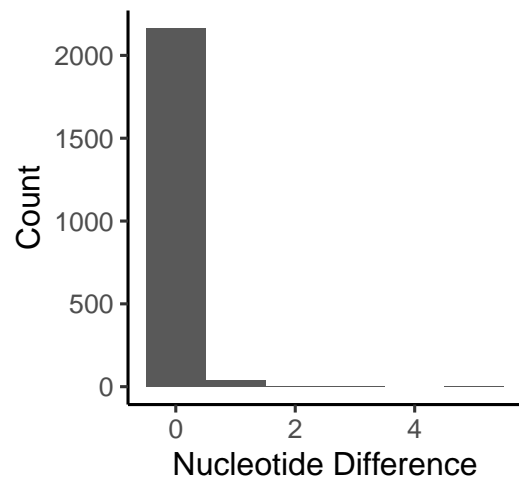
### TRBV2\*ap01

4440 sequences assigned  
4376 (98.6%) exact matches, in which:  
4291 unique CDR3  
13 unique J



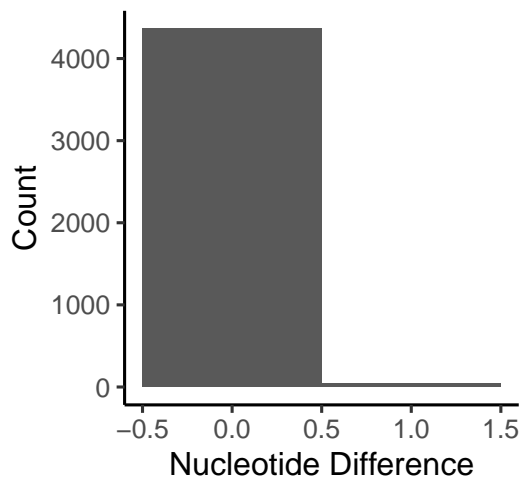
### TRBV30\*ap01

2204 sequences assigned  
2163 (98.1%) exact matches, in which:  
2113 unique CDR3  
13 unique J



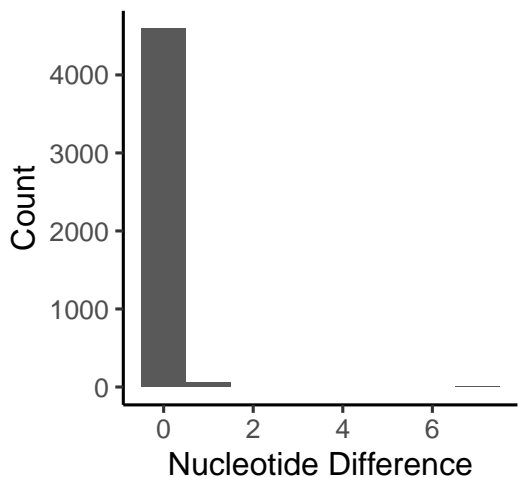
### TRBV18\*ap01

4405 sequences assigned  
4363 (99%) exact matches, in which:  
4297 unique CDR3  
13 unique J



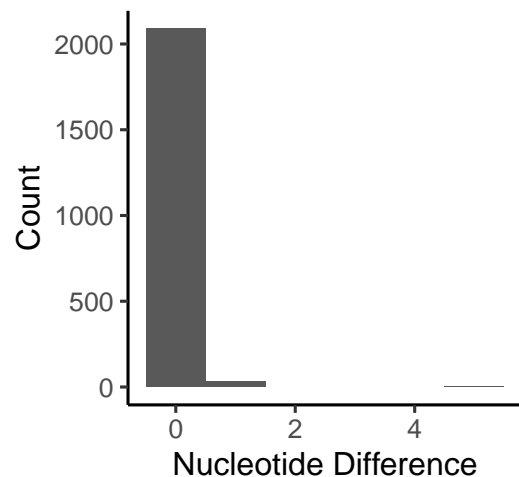
### TRBV27\*ap01

4657 sequences assigned  
4592 (98.6%) exact matches, in which:  
4468 unique CDR3  
13 unique J



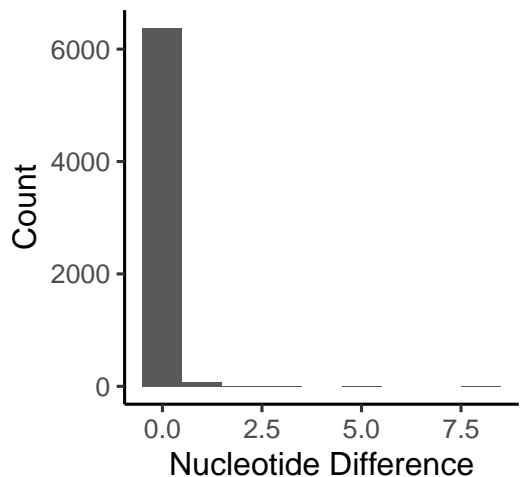
### TRBV30\*ap02

2124 sequences assigned  
2089 (98.4%) exact matches, in which:  
2056 unique CDR3  
13 unique J



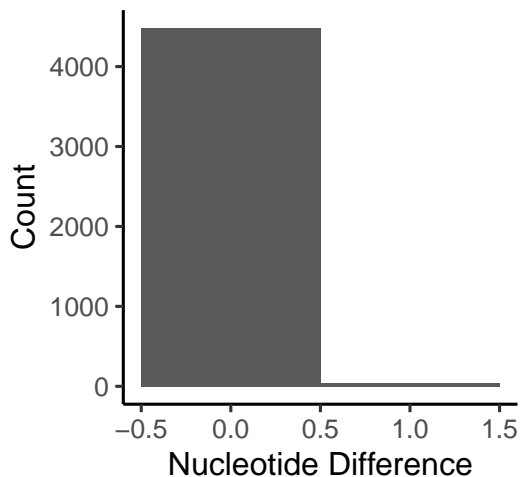
### TRBV19\*ap01

6457 sequences assigned  
6375 (98.7%) exact matches, in which:  
6296 unique CDR3  
13 unique J



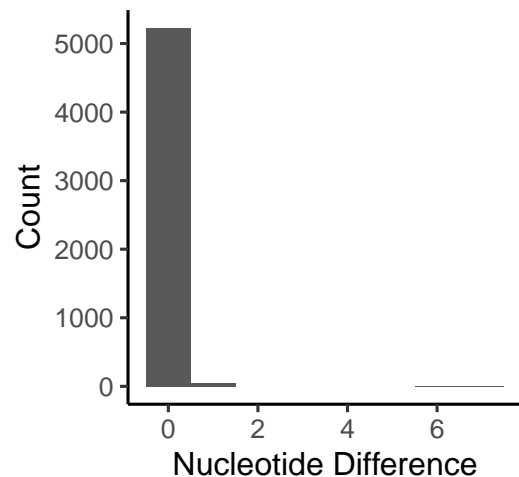
### TRBV28\*ap01

4520 sequences assigned  
4482 (99.2%) exact matches, in which:  
4386 unique CDR3  
13 unique J



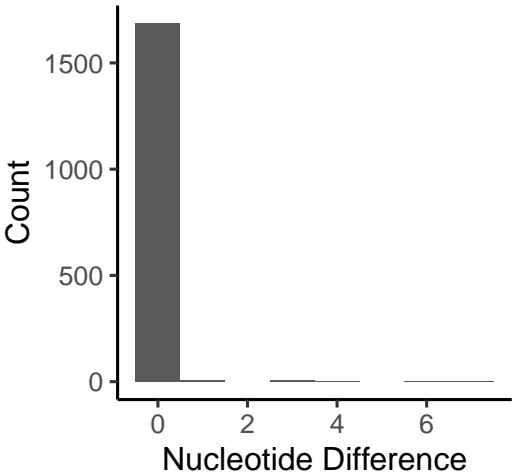
### TRBV9\*ap01

5273 sequences assigned  
5226 (99.1%) exact matches, in which:  
5140 unique CDR3  
13 unique J



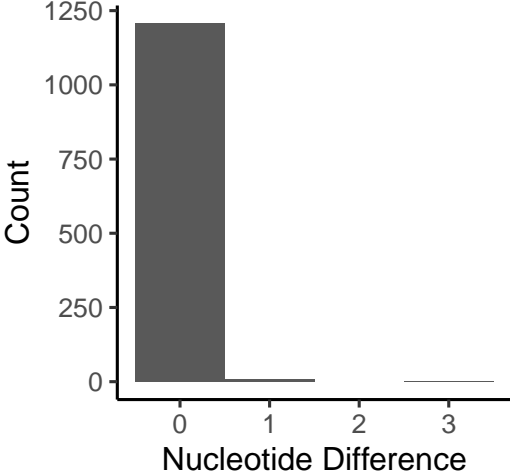
TRBV21-1\*ap01

1705 sequences assigned  
1686 (98.9%) exact matches, in which:  
1667 unique CDR3  
13 unique J



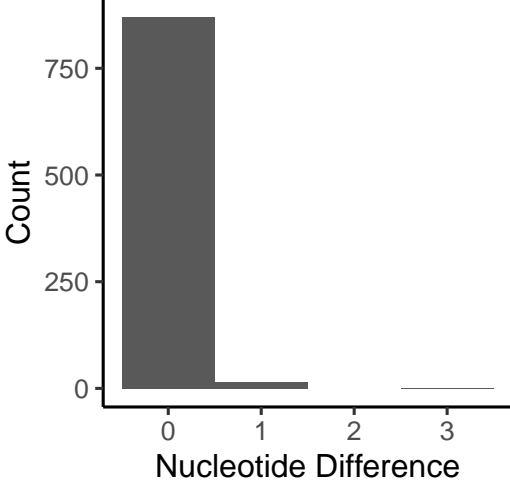
TRBV11-3\*ap01

1215 sequences assigned  
1207 (99.3%) exact matches, in which:  
1192 unique CDR3  
13 unique J



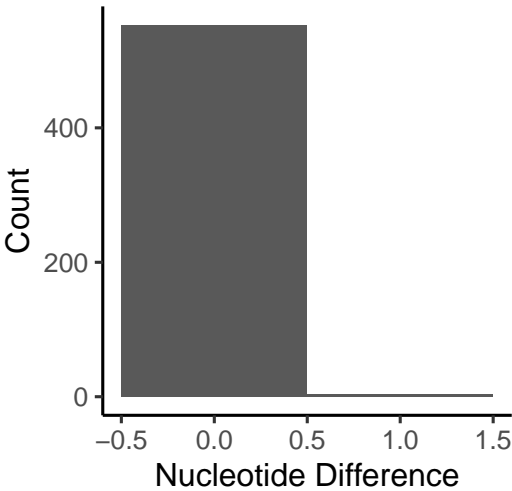
TRBV12-5\*ap01

887 sequences assigned  
871 (98.2%) exact matches, in which:  
852 unique CDR3  
13 unique J



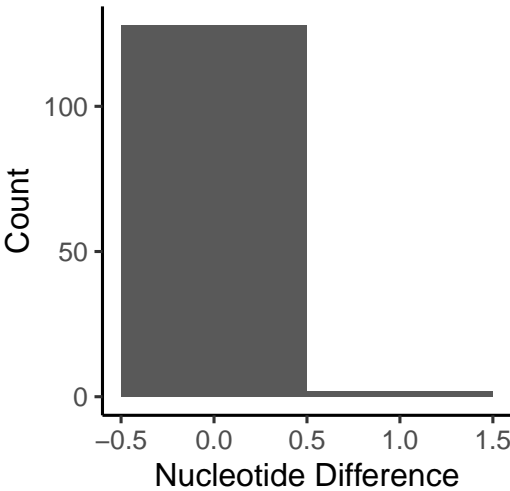
TRBV11-1\*ap01

556 sequences assigned  
553 (99.5%) exact matches, in which:  
541 unique CDR3  
13 unique J



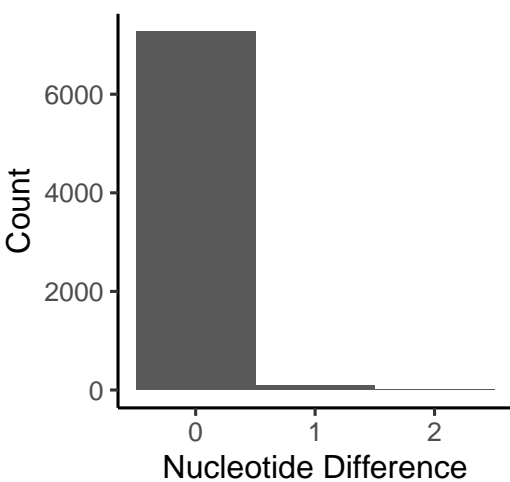
TRBV12-1\*ap01

130 sequences assigned  
128 (98.5%) exact matches, in which:  
127 unique CDR3  
12 unique J



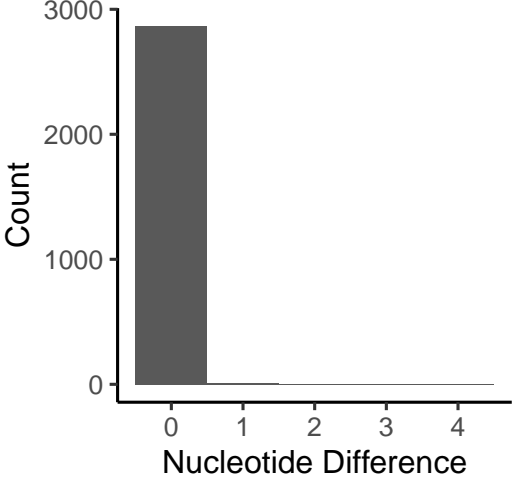
TRBV12-34\*ap01

7368 sequences assigned  
7268 (98.6%) exact matches, in which:  
7105 unique CDR3  
14 unique J



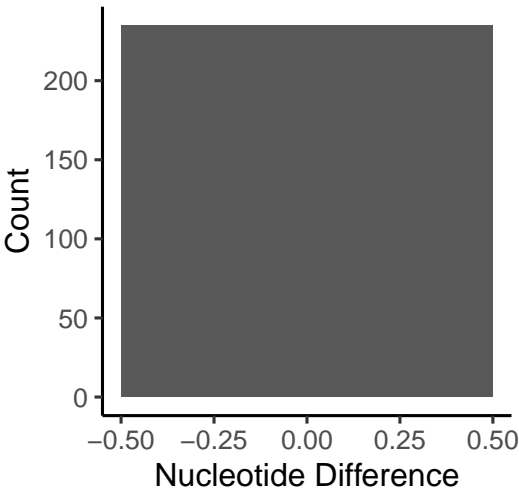
TRBV11-2\*ap01

2880 sequences assigned  
2866 (99.5%) exact matches, in which:  
2831 unique CDR3  
13 unique J



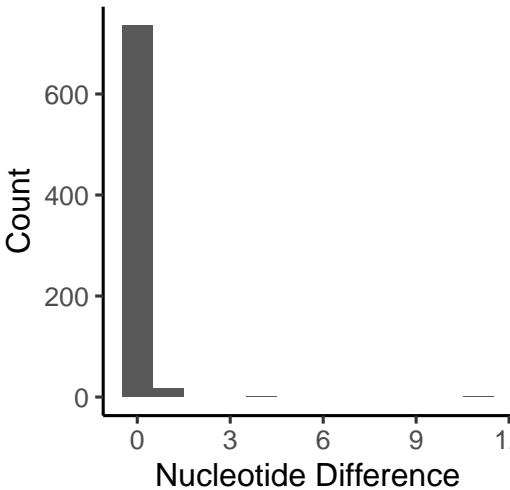
TRBV12-2\*ap01

235 sequences assigned  
235 (100%) exact matches, in which:  
232 unique CDR3  
13 unique J



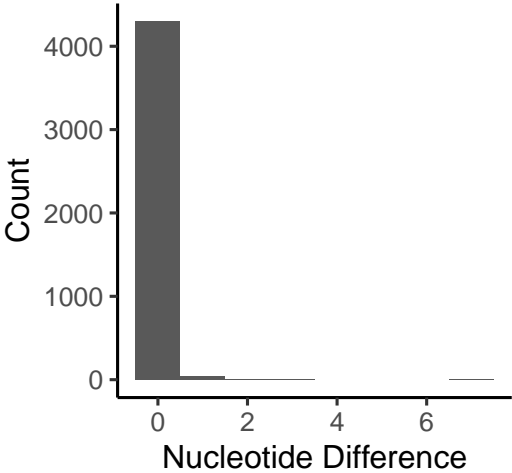
TRBV23-1\*ap01

755 sequences assigned  
736 (97.5%) exact matches, in which:  
725 unique CDR3  
13 unique J



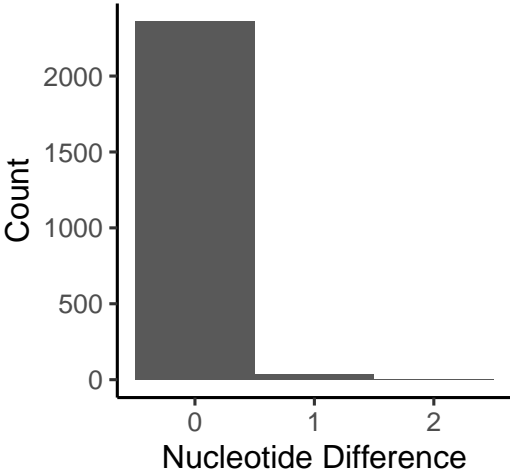
TRBV3-12\*ap01

4346 sequences assigned  
4298 (98.9%) exact matches, in which:  
4224 unique CDR3  
14 unique J



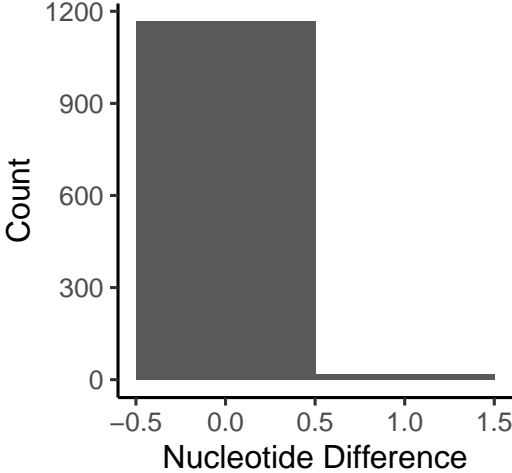
TRBV4-2\*ap01

2399 sequences assigned  
2360 (98.4%) exact matches, in which:  
2292 unique CDR3  
13 unique J



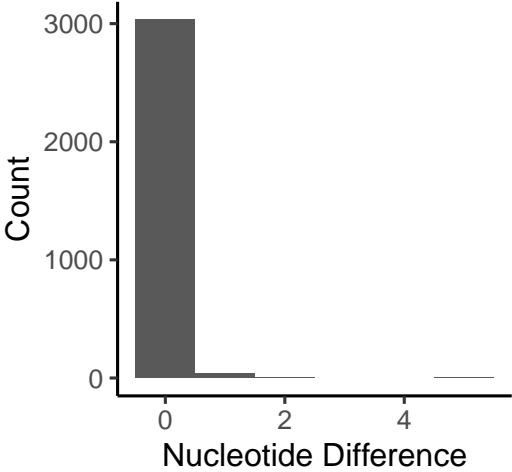
TRBV25-1\*ap01

1184 sequences assigned  
1167 (98.6%) exact matches, in which:  
1132 unique CDR3  
13 unique J



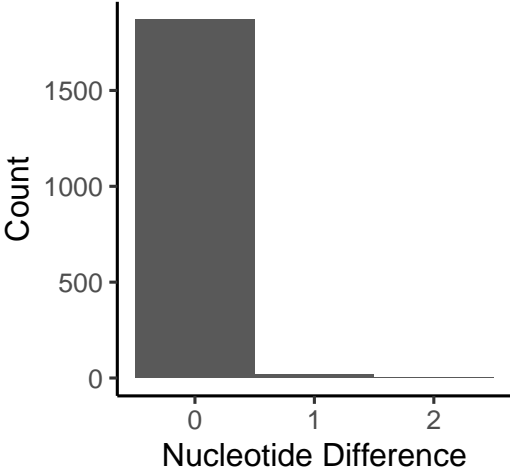
TRBV4-1\*ap01

3075 sequences assigned  
3033 (98.6%) exact matches, in which:  
2931 unique CDR3  
13 unique J



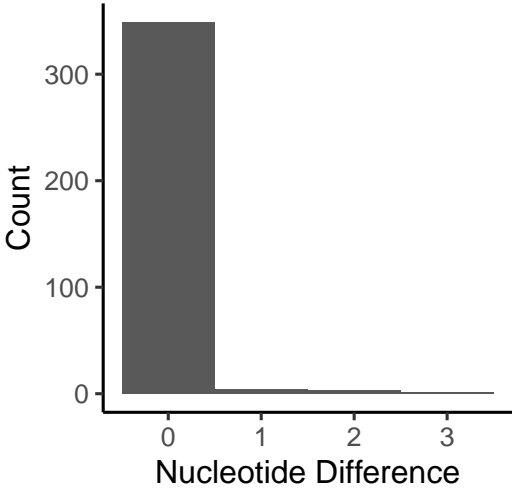
TRBV4-3\*ap01

1887 sequences assigned  
1869 (99%) exact matches, in which:  
1828 unique CDR3  
13 unique J



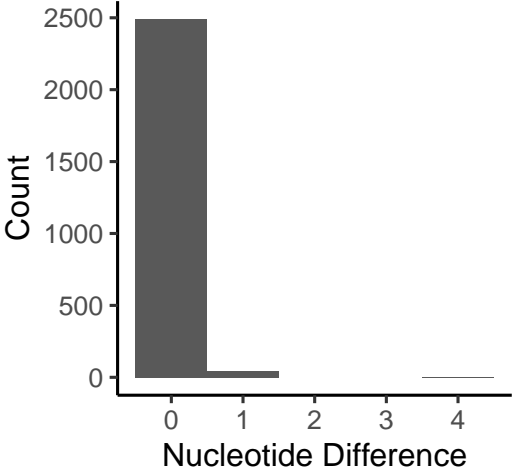
TRBV5-3\*ap01

357 sequences assigned  
349 (97.8%) exact matches, in which:  
338 unique CDR3  
13 unique J



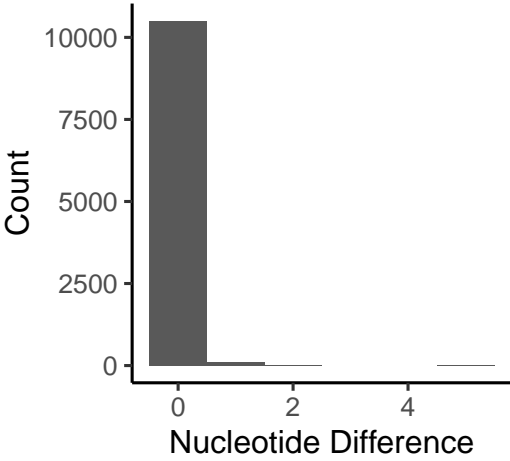
TRBV24-1\*ap01

2535 sequences assigned  
2491 (98.3%) exact matches, in which:  
2424 unique CDR3  
13 unique J



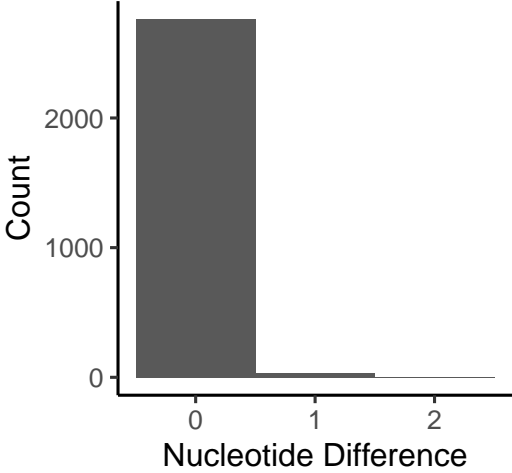
TRBV5-1\*ap01

10627 sequences assigned  
10506 (98.9%) exact matches, in which:  
10201 unique CDR3  
13 unique J



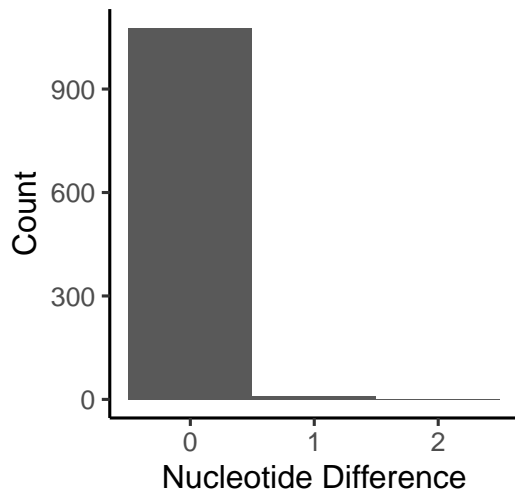
TRBV5-4\*ap01

2795 sequences assigned  
2763 (98.9%) exact matches, in which:  
2693 unique CDR3  
13 unique J



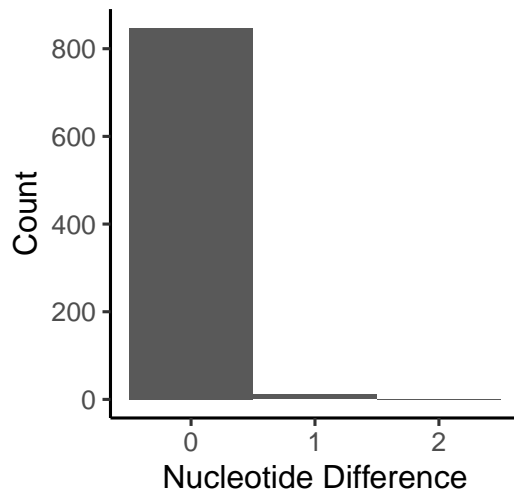
### TRBV5-5\*ap01

1090 sequences assigned  
1078 (98.9%) exact matches, in which:  
1067 unique CDR3  
13 unique J



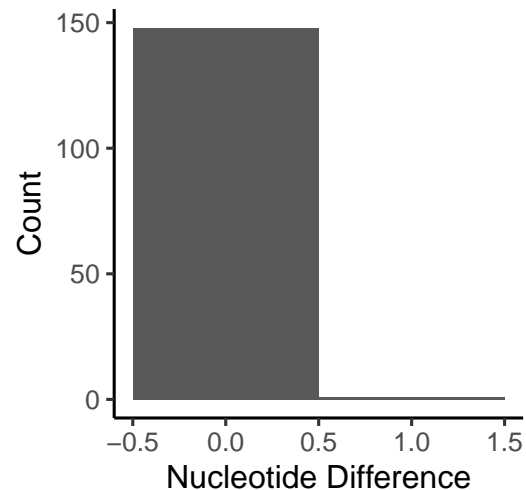
### TRBV5-8\*ap01

860 sequences assigned  
848 (98.6%) exact matches, in which:  
831 unique CDR3  
13 unique J



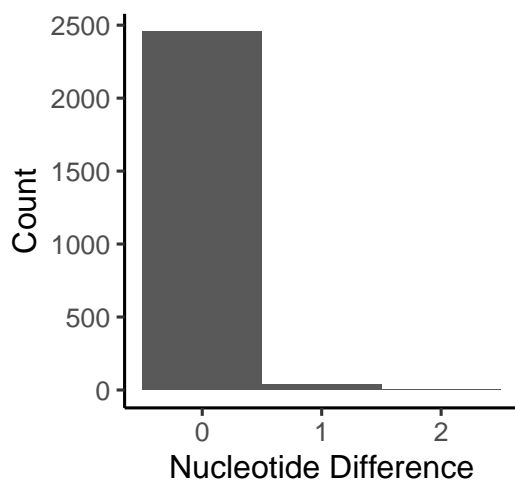
### TRBV6-7\*ap01

149 sequences assigned  
148 (99.3%) exact matches, in which:  
143 unique CDR3  
13 unique J



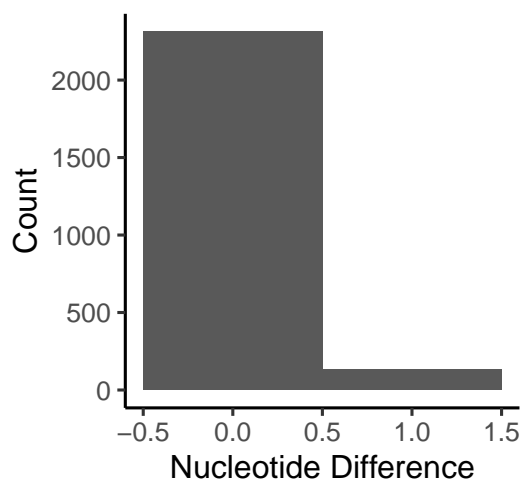
### TRBV5-6\*ap01

2492 sequences assigned  
2455 (98.5%) exact matches, in which:  
2383 unique CDR3  
13 unique J



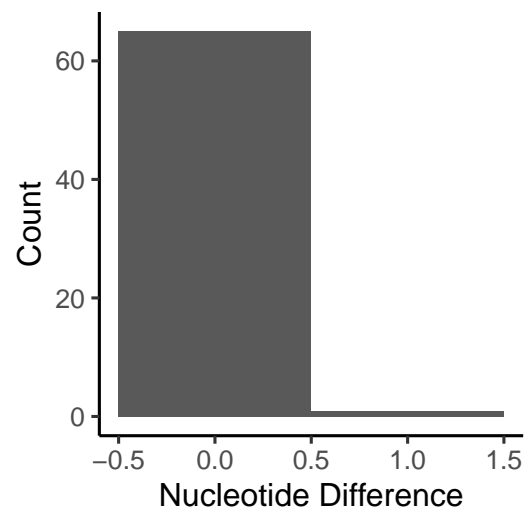
### TRBV6-1\*ap01

2442 sequences assigned  
2312 (94.7%) exact matches, in which:  
2248 unique CDR3  
13 unique J



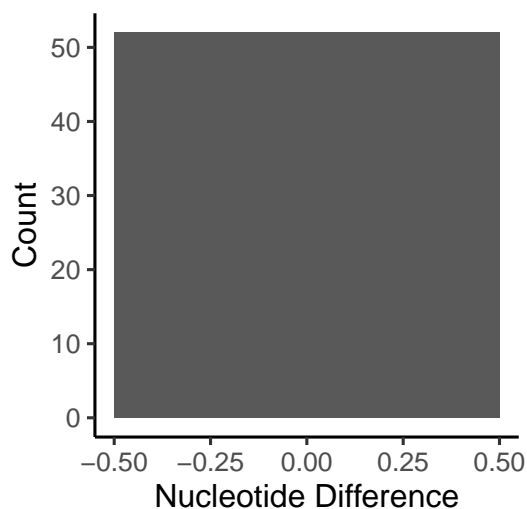
### TRBV6-8\*ap01

66 sequences assigned  
65 (98.5%) exact matches, in which:  
63 unique CDR3  
13 unique J



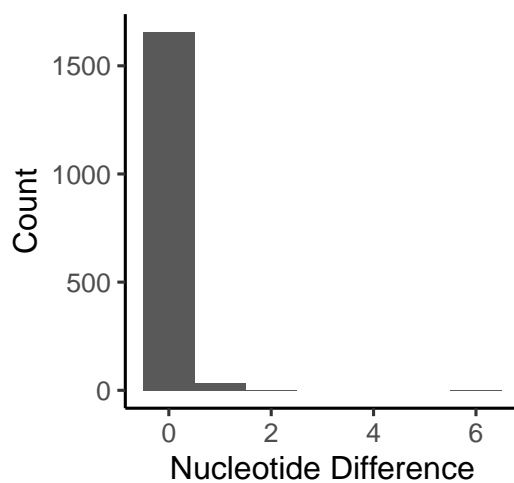
### TRBV5-7\*ap01

52 sequences assigned  
52 (100%) exact matches, in which:  
52 unique CDR3  
13 unique J



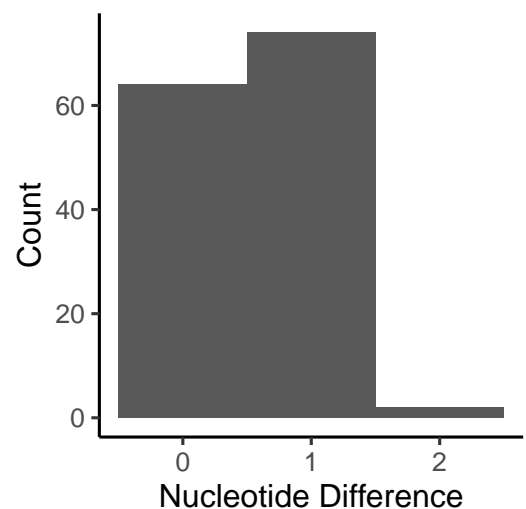
### TRBV6-4\*ap01

1691 sequences assigned  
1656 (97.9%) exact matches, in which:  
1630 unique CDR3  
13 unique J



### TRBV6-9\*ap01

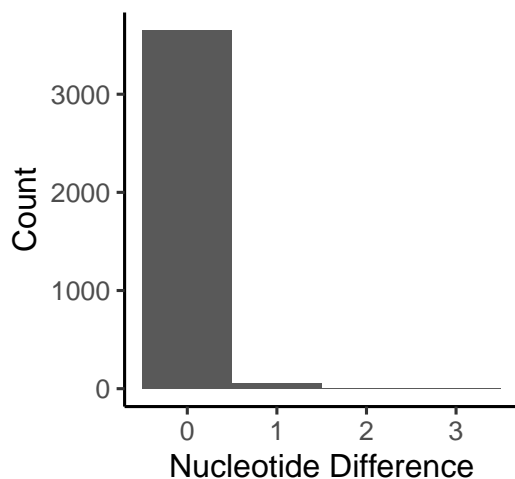
140 sequences assigned  
64 (45.7%) exact matches, in which:  
61 unique CDR3  
12 unique J





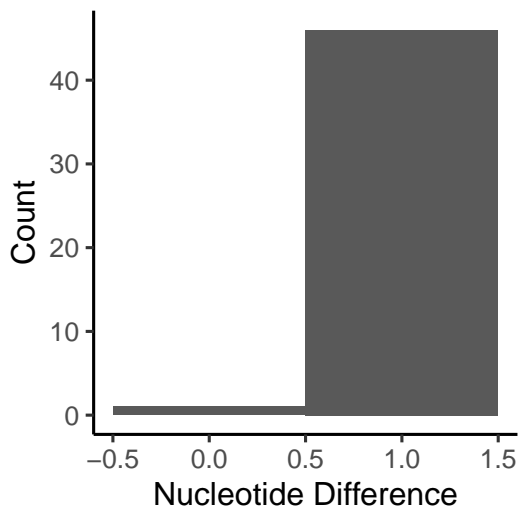
### TRBV6-23\*ap01

3707 sequences assigned  
3650 (98.5%) exact matches, in which:  
3525 unique CDR3  
13 unique J



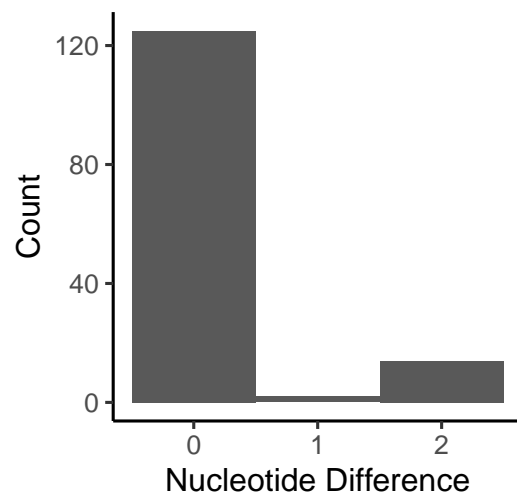
### TRBV7-1\*ap01\_T296C

47 sequences assigned  
1 (2.1%) exact matches, in which:  
1 unique CDR3  
1 unique J



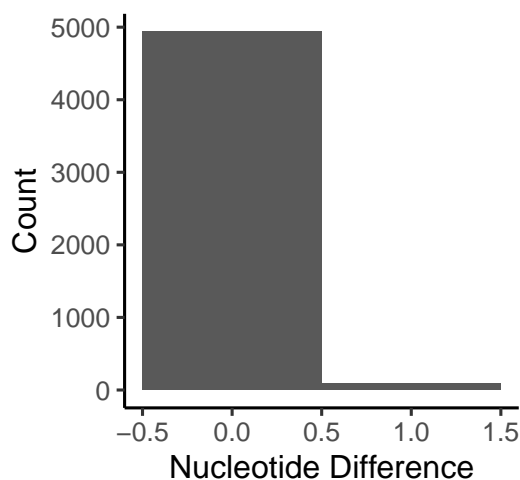
### TRBV7-4\*ap01

141 sequences assigned  
125 (88.7%) exact matches, in which:  
123 unique CDR3  
12 unique J



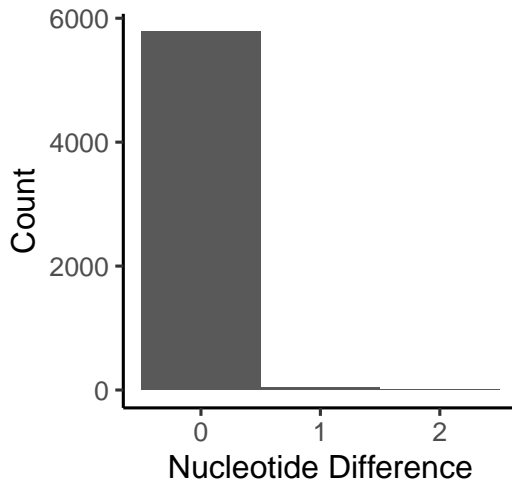
### TRBV6-56\*ap01

5020 sequences assigned  
4937 (98.3%) exact matches, in which:  
4797 unique CDR3  
13 unique J



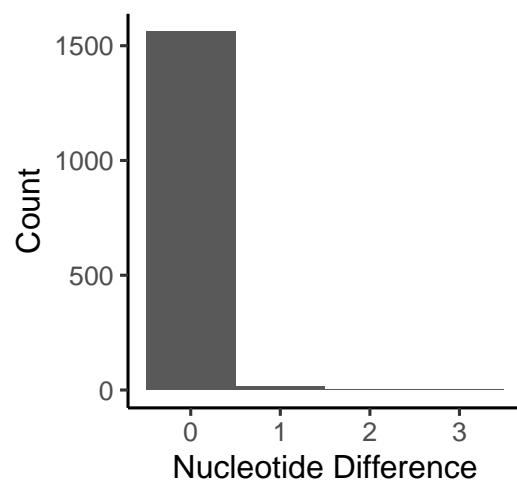
### TRBV7-2\*ap01

5819 sequences assigned  
5782 (99.4%) exact matches, in which:  
5647 unique CDR3  
13 unique J



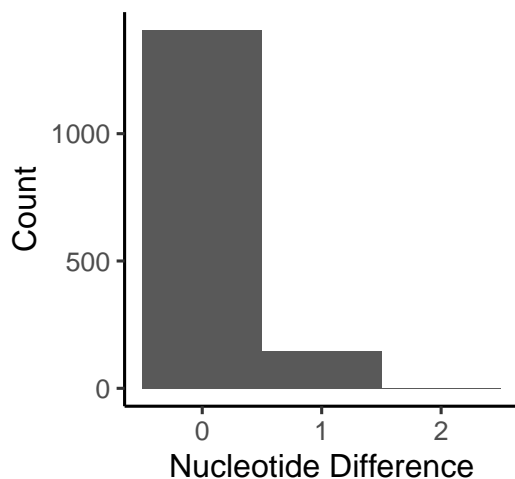
### TRBV7-6\*ap01

1580 sequences assigned  
1561 (98.8%) exact matches, in which:  
1533 unique CDR3  
13 unique J



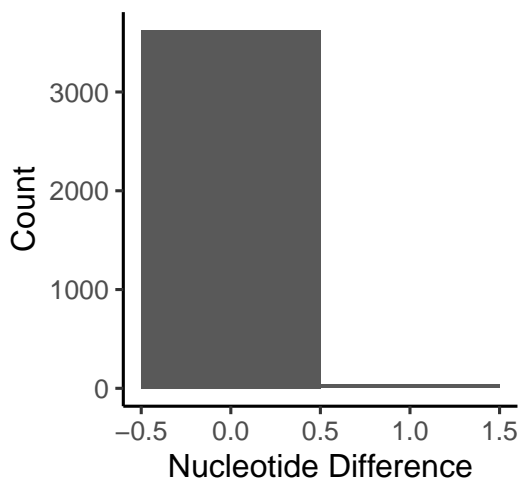
### TRBV6-56\*ap02

1554 sequences assigned  
1407 (90.5%) exact matches, in which:  
1360 unique CDR3  
13 unique J



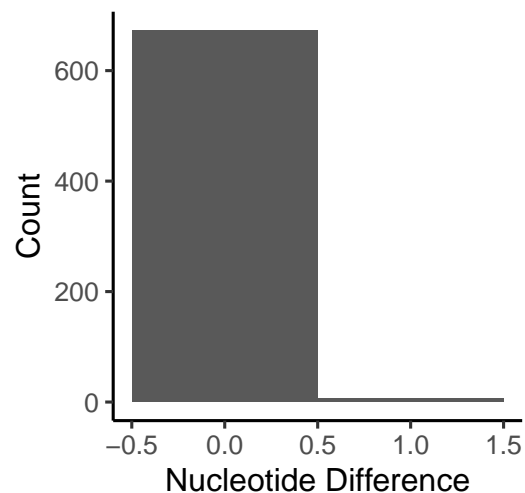
### TRBV7-3\*ap01

3664 sequences assigned  
3627 (99%) exact matches, in which:  
3570 unique CDR3  
13 unique J



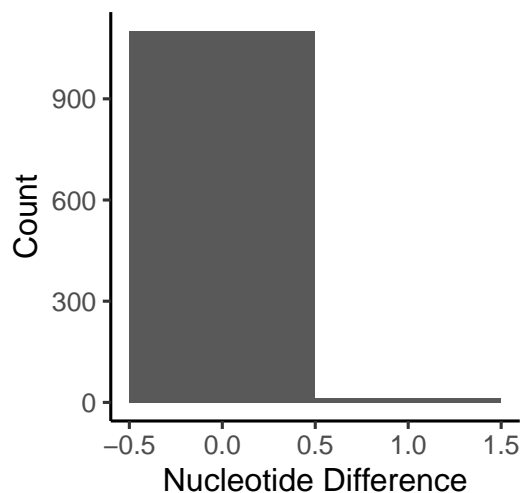
### TRBV7-7\*ap01\_C315T

679 sequences assigned  
673 (99.1%) exact matches, in which:  
659 unique CDR3  
13 unique J



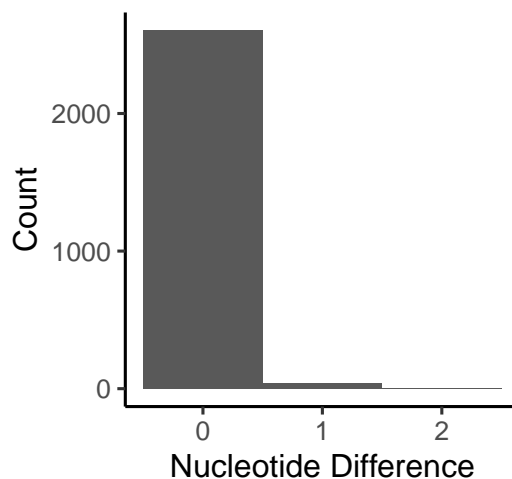
### TRBV7-8\*ap01

1115 sequences assigned  
1102 (98.8%) exact matches, in which:  
1075 unique CDR3  
13 unique J



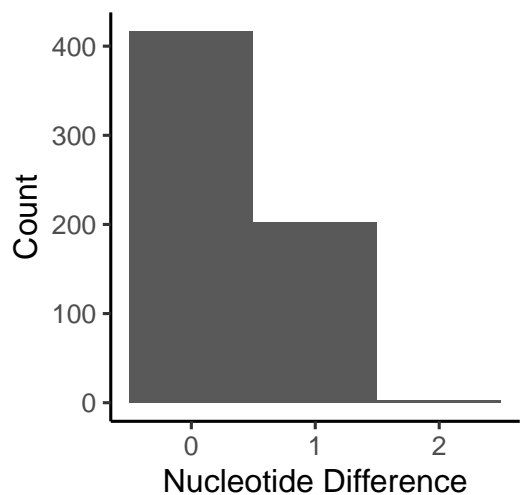
### TRBV29-1\*ap01

2643 sequences assigned  
2604 (98.5%) exact matches, in which:  
2524 unique CDR3  
13 unique J



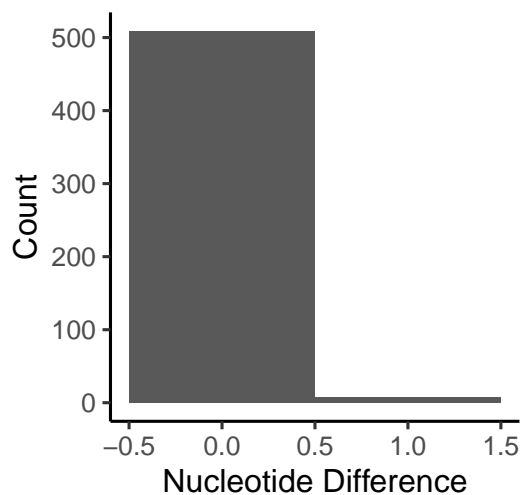
### TRBV7-8\*ap03

623 sequences assigned  
417 (66.9%) exact matches, in which:  
408 unique CDR3  
13 unique J



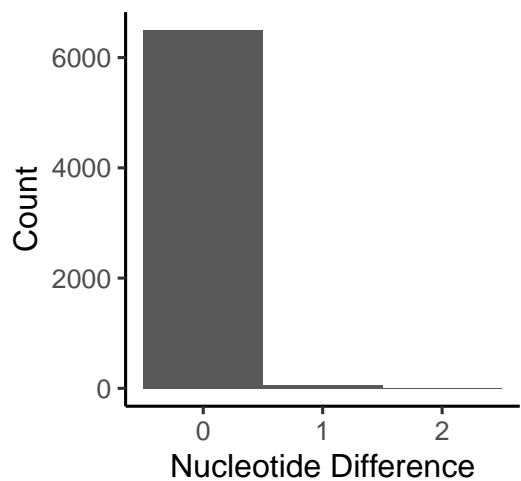
### TRBV29-1\*ap02

517 sequences assigned  
509 (98.5%) exact matches, in which:  
498 unique CDR3  
13 unique J

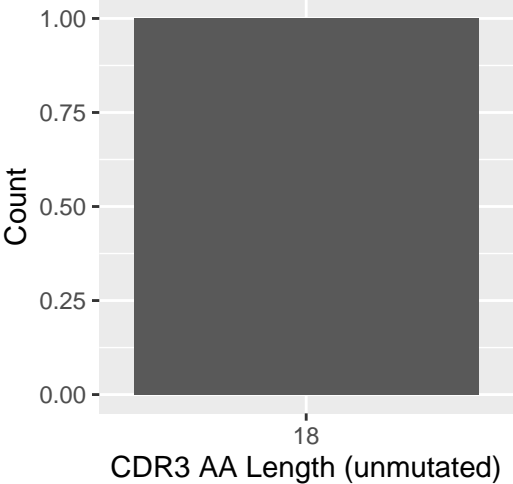


### TRBV7-9\*ap01

6562 sequences assigned  
6500 (99.1%) exact matches, in which:  
6367 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

