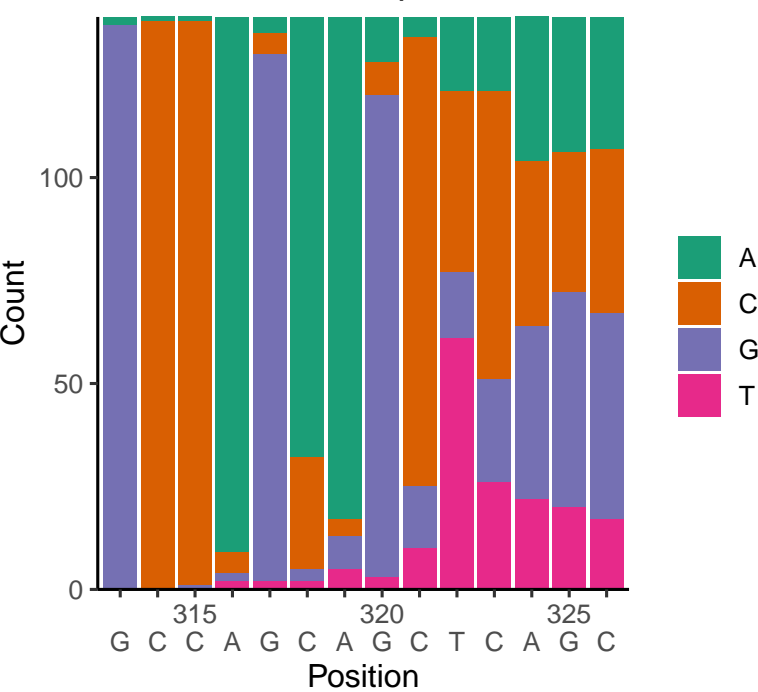
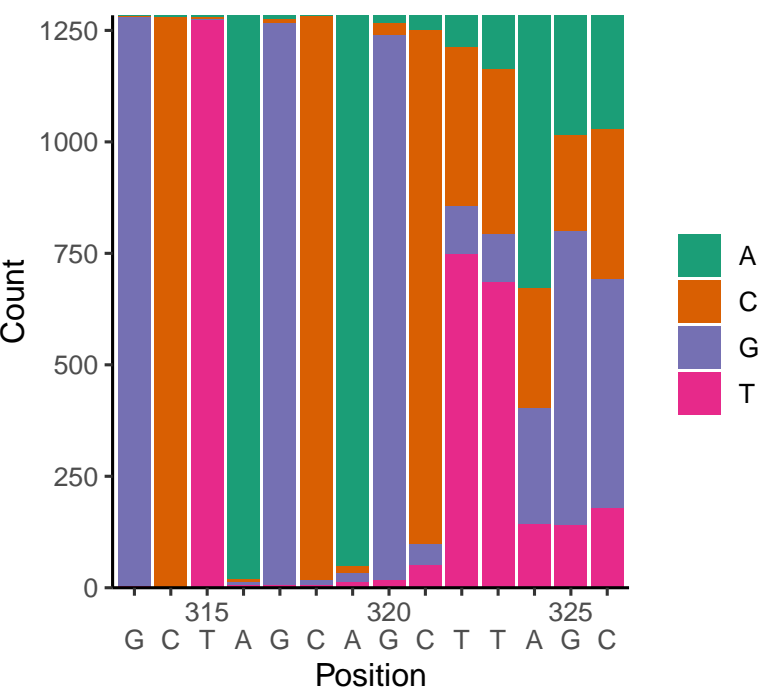


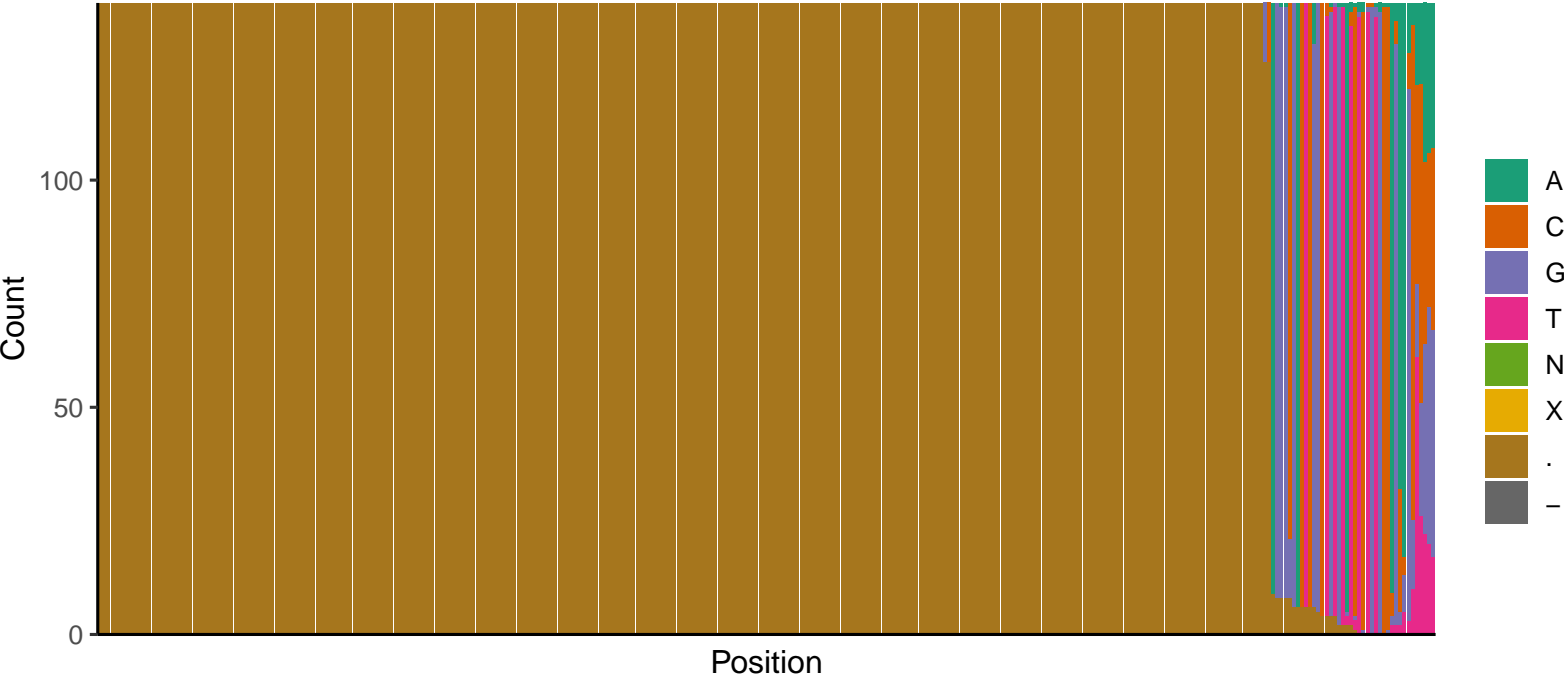
Gene TRBV7-1\*ap01\_T296C



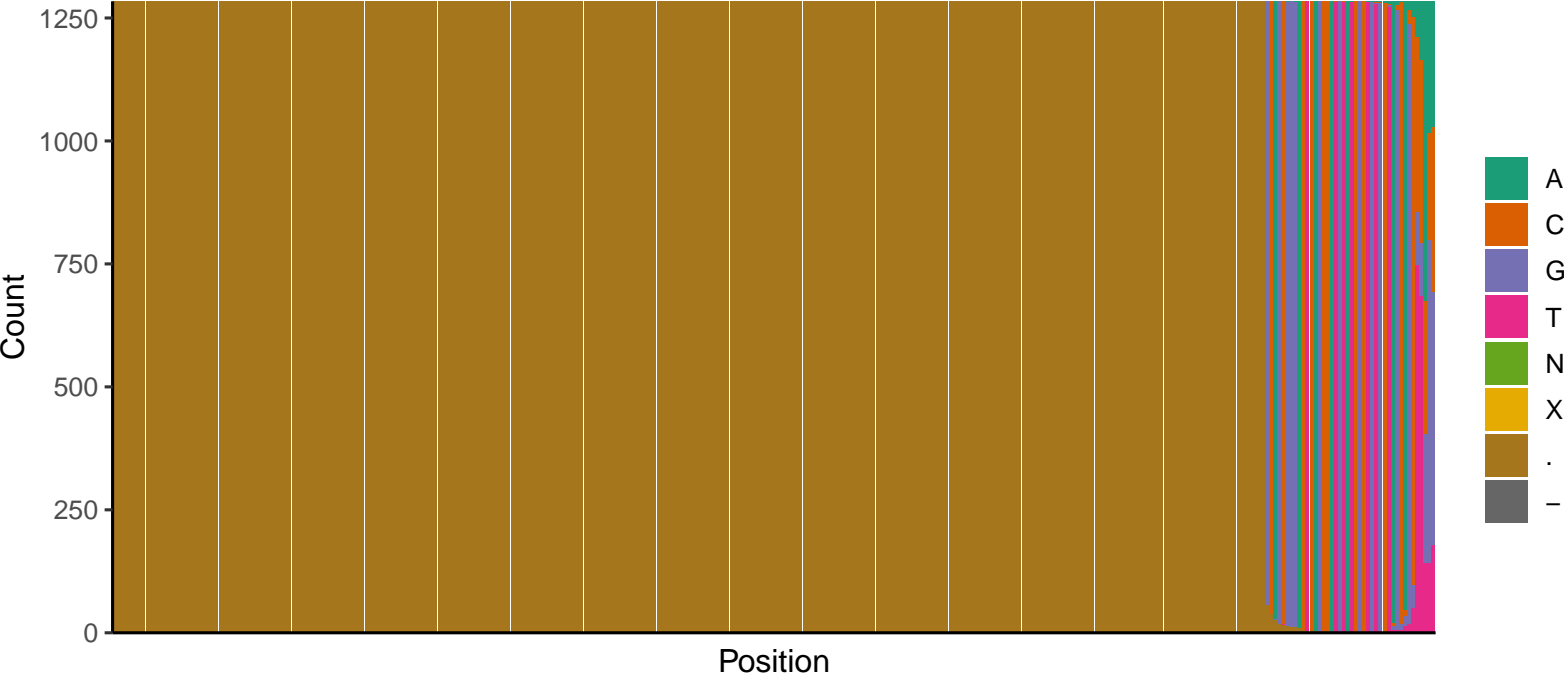
Gene TRBV7-7\*ap01\_C315T



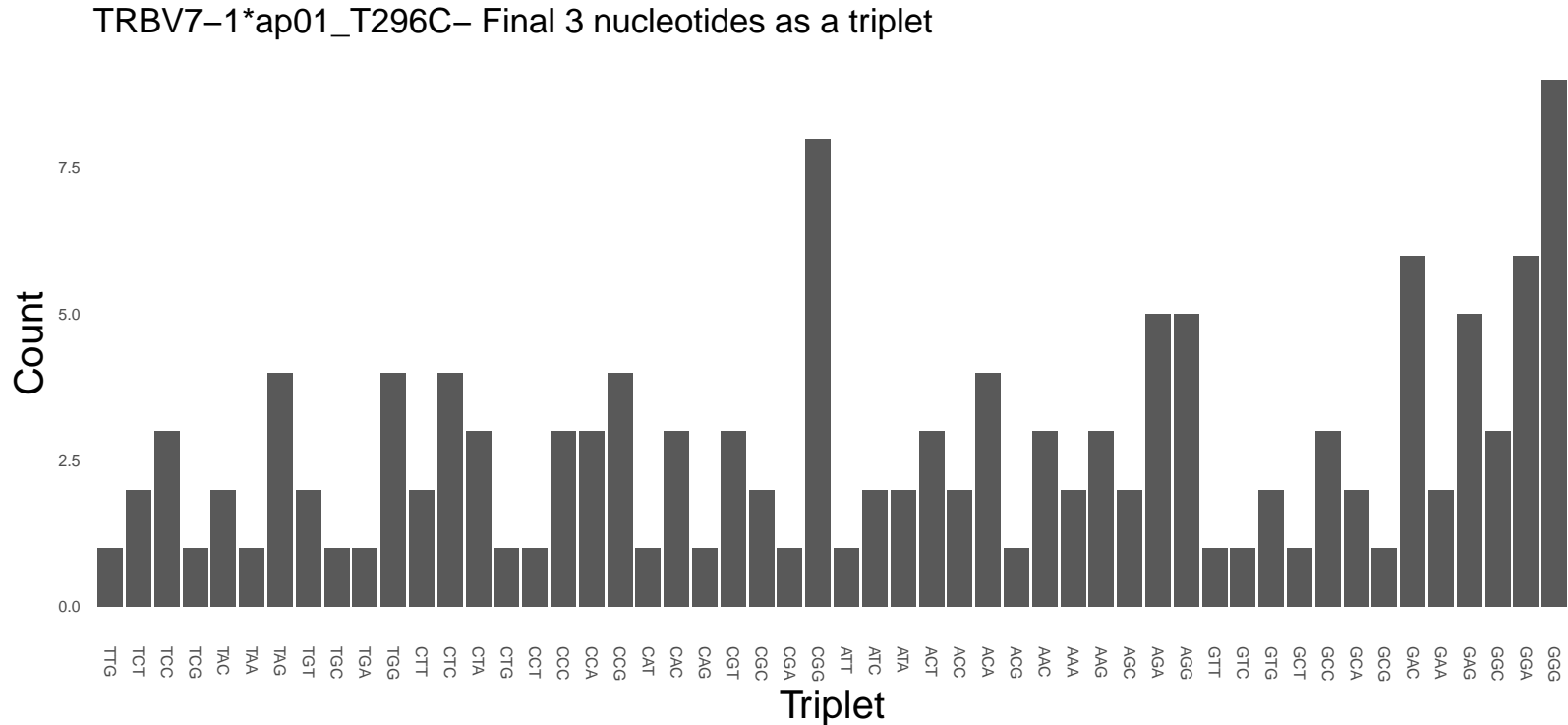
Gene TRBV7-1\*ap01\_T296C



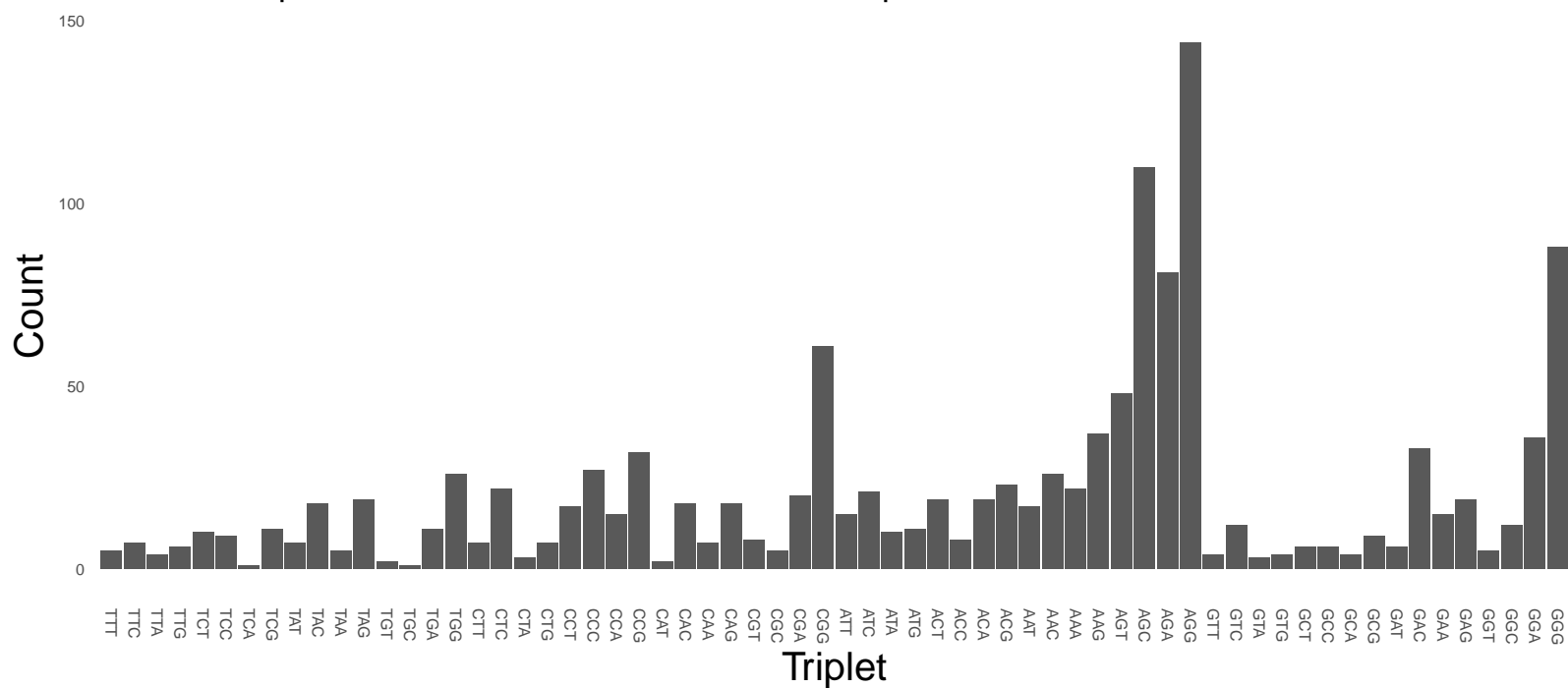
Gene TRBV7-7\*ap01\_C315T



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

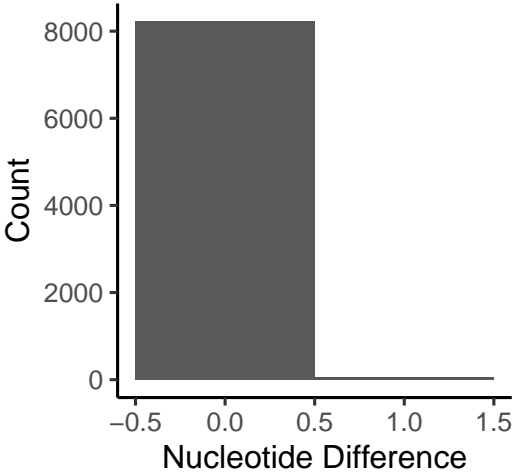


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



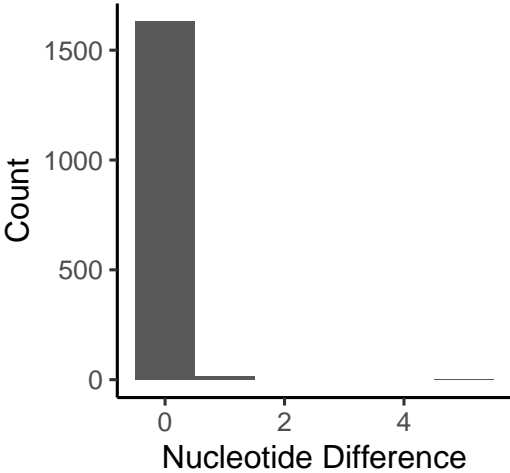
TRBV20-1\*ap01

8284 sequences assigned  
8224 (99.3%) exact matches, in which:  
8140 unique CDR3  
13 unique J



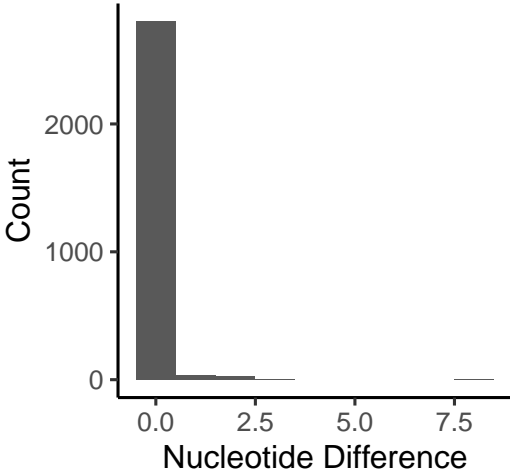
TRBV10-2\*ap01

1647 sequences assigned  
1631 (99%) exact matches, in which:  
1608 unique CDR3  
13 unique J



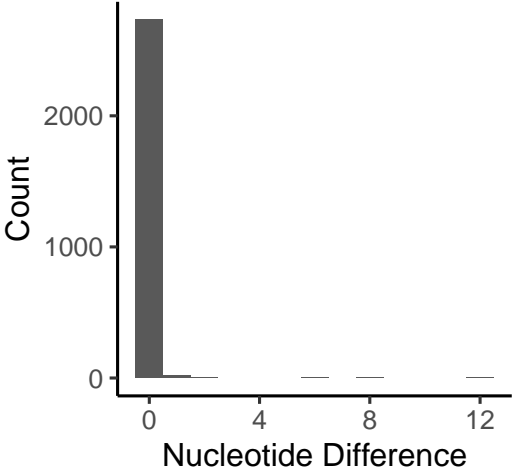
TRBV13\*ap01

2868 sequences assigned  
2802 (97.7%) exact matches, in which:  
2737 unique CDR3  
13 unique J



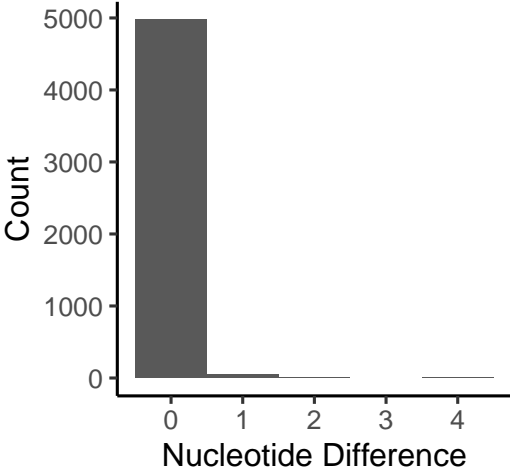
TRBV10-1\*ap01

2759 sequences assigned  
2733 (99.1%) exact matches, in which:  
2690 unique CDR3  
13 unique J



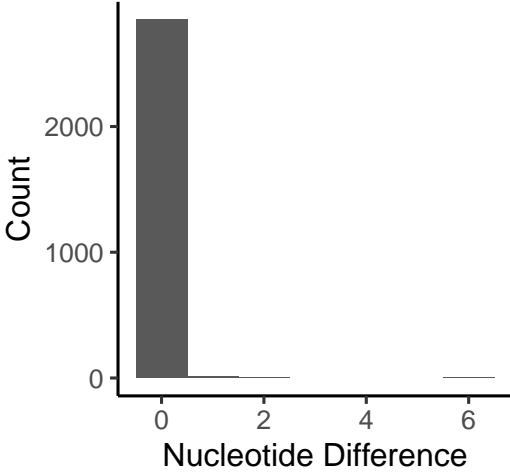
TRBV10-3\*ap01

5021 sequences assigned  
4975 (99.1%) exact matches, in which:  
4896 unique CDR3  
13 unique J



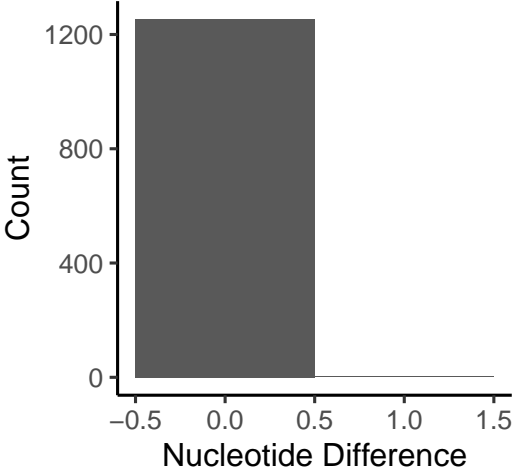
TRBV14\*ap01

2866 sequences assigned  
2849 (99.4%) exact matches, in which:  
2825 unique CDR3  
13 unique J



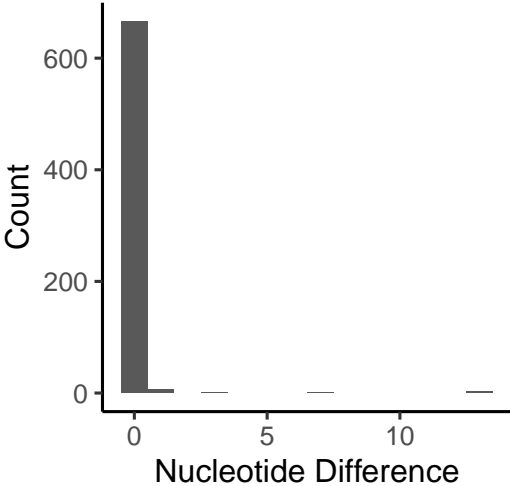
TRBV20-1\*ap02

1257 sequences assigned  
1254 (99.8%) exact matches, in which:  
1238 unique CDR3  
13 unique J



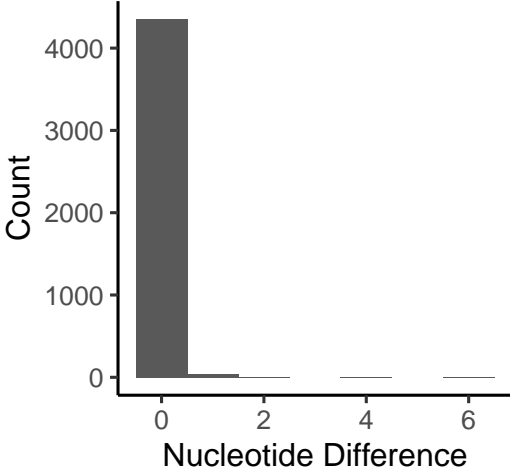
TRBV1\*ap01

677 sequences assigned  
666 (98.4%) exact matches, in which:  
648 unique CDR3  
13 unique J



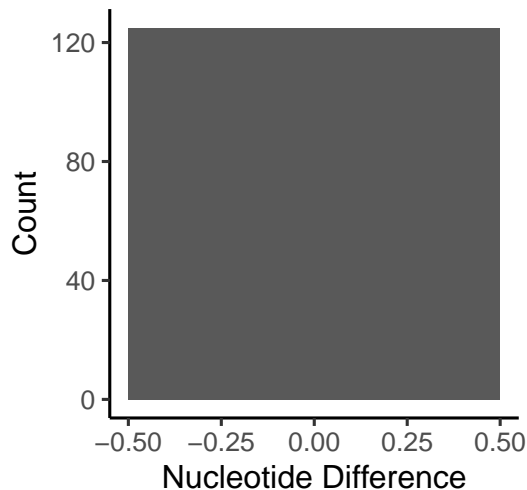
TRBV15\*ap02

4400 sequences assigned  
4353 (98.9%) exact matches, in which:  
4261 unique CDR3  
13 unique J



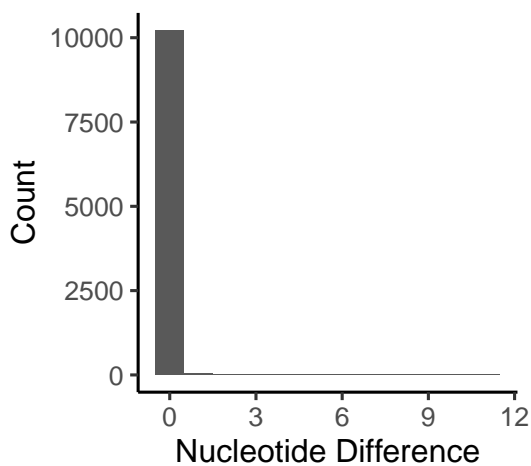
### TRBV16\*ap01

125 sequences assigned  
125 (100%) exact matches, in which:  
123 unique CDR3  
13 unique J



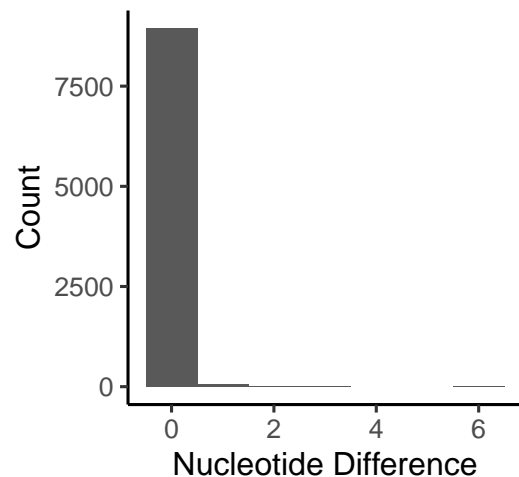
### TRBV19\*ap01

10287 sequences assigned  
10224 (99.4%) exact matches, in which:  
10171 unique CDR3  
13 unique J



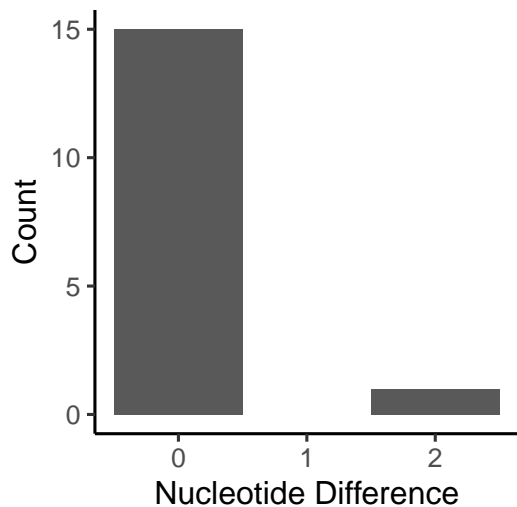
### TRBV28\*ap01

9015 sequences assigned  
8941 (99.2%) exact matches, in which:  
8846 unique CDR3  
13 unique J



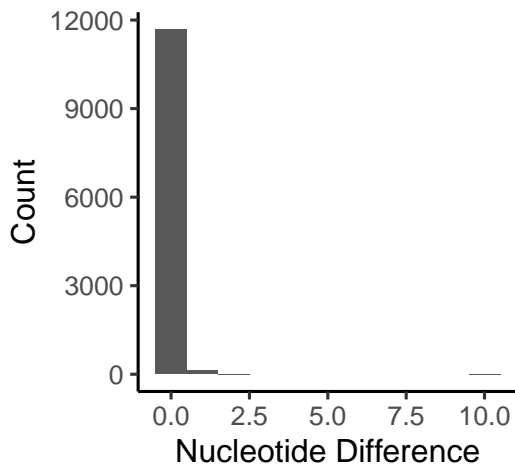
### TRBV17\*ap01

16 sequences assigned  
15 (93.8%) exact matches, in which:  
15 unique CDR3  
8 unique J



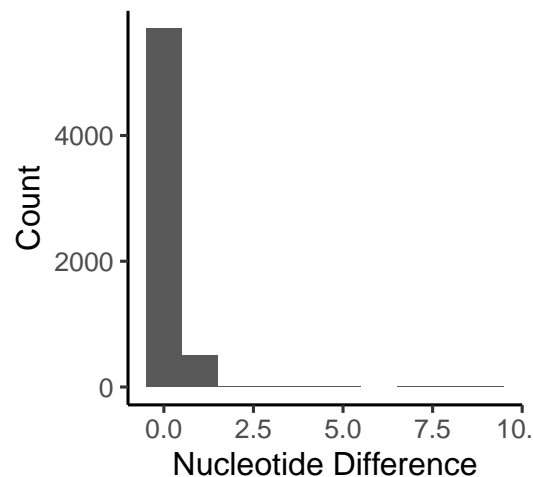
### TRBV2\*ap01

11822 sequences assigned  
11681 (98.8%) exact matches, in which:  
11438 unique CDR3  
13 unique J



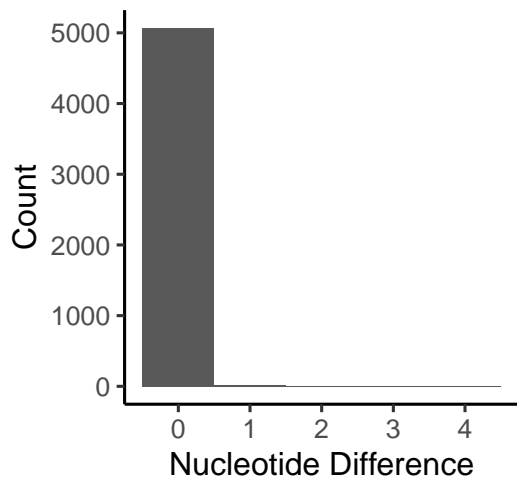
### TRBV30\*ap01

6222 sequences assigned  
5698 (91.6%) exact matches, in which:  
5561 unique CDR3  
13 unique J



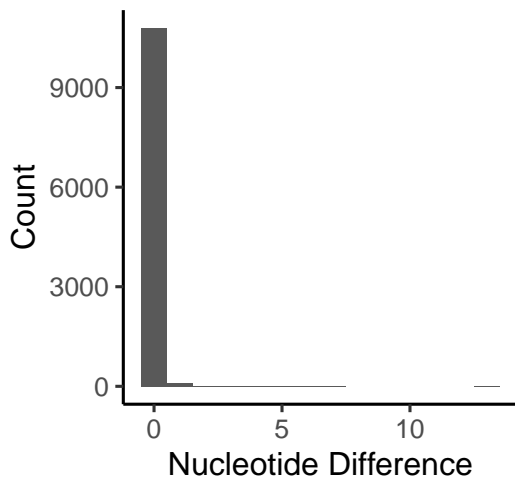
### TRBV18\*ap01

5092 sequences assigned  
5068 (99.5%) exact matches, in which:  
5045 unique CDR3  
13 unique J



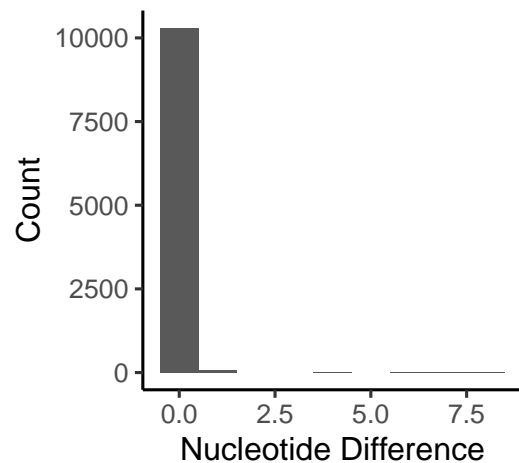
### TRBV27\*ap01

10913 sequences assigned  
10793 (98.9%) exact matches, in which:  
10570 unique CDR3  
13 unique J



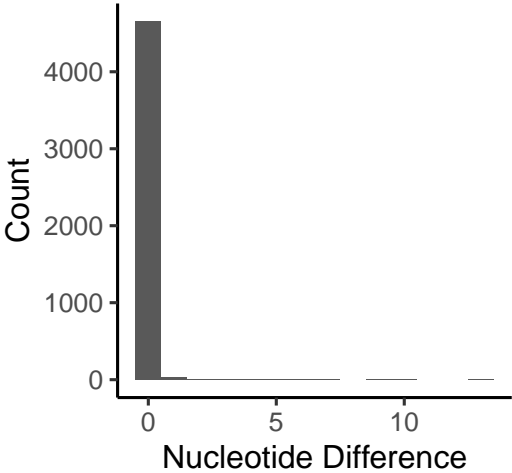
### TRBV9\*ap01

10377 sequences assigned  
10302 (99.3%) exact matches, in which:  
10225 unique CDR3  
13 unique J



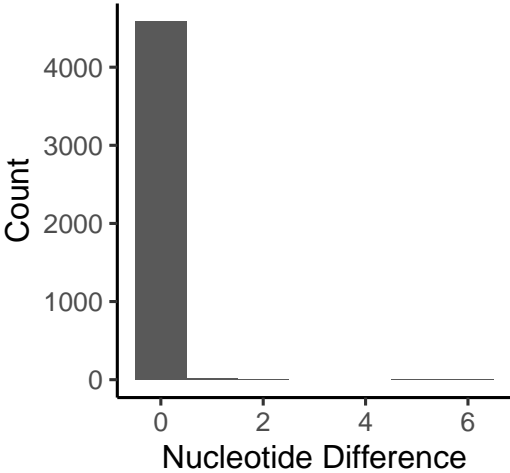
TRBV21-1\*ap01

4707 sequences assigned  
4654 (98.9%) exact matches, in which:  
4637 unique CDR3  
13 unique J



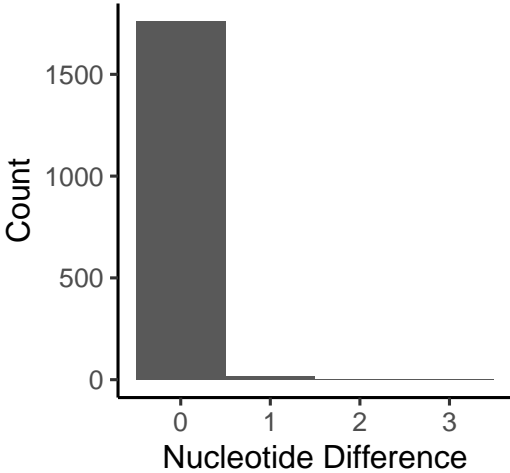
TRBV11-3\*ap01

4612 sequences assigned  
4586 (99.4%) exact matches, in which:  
4553 unique CDR3  
13 unique J



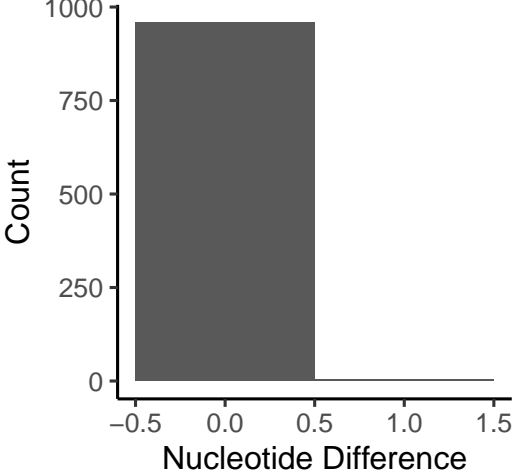
TRBV12-5\*ap01

1779 sequences assigned  
1760 (98.9%) exact matches, in which:  
1733 unique CDR3  
13 unique J



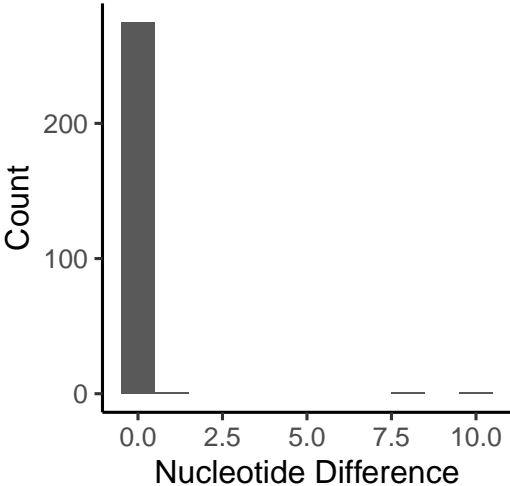
TRBV11-1\*ap01

963 sequences assigned  
958 (99.5%) exact matches, in which:  
949 unique CDR3  
13 unique J



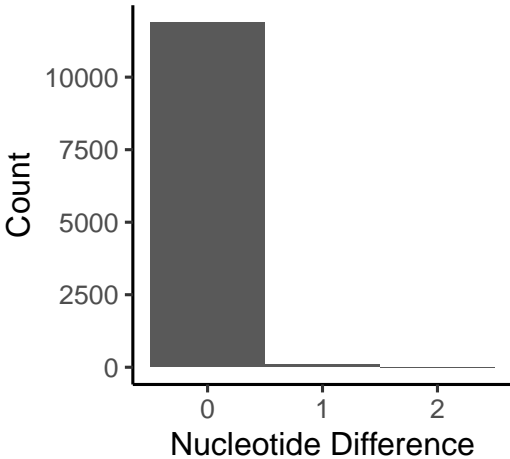
TRBV12-1\*ap01

278 sequences assigned  
275 (98.9%) exact matches, in which:  
274 unique CDR3  
13 unique J



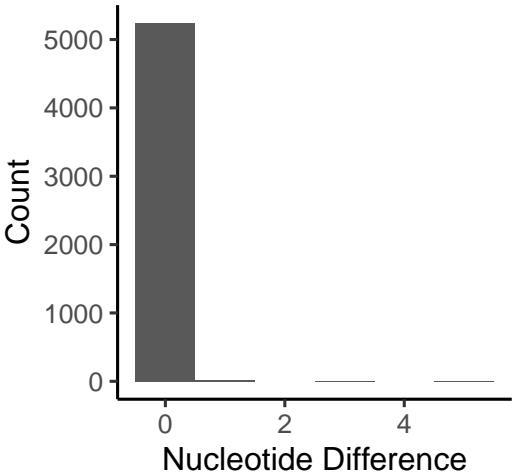
TRBV12-34\*ap01

11988 sequences assigned  
11885 (99.1%) exact matches, in which:  
11700 unique CDR3  
13 unique J



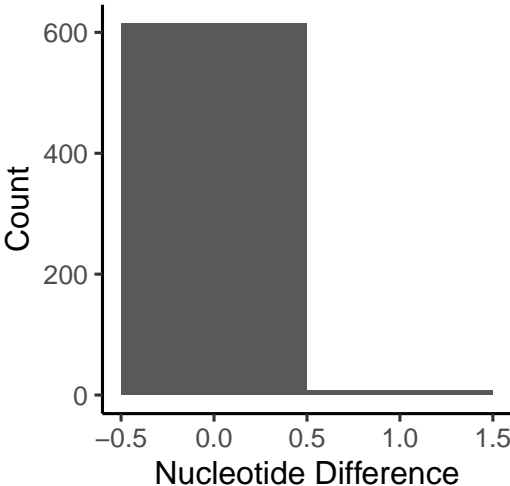
TRBV11-2\*ap01

5258 sequences assigned  
5241 (99.7%) exact matches, in which:  
5212 unique CDR3  
13 unique J



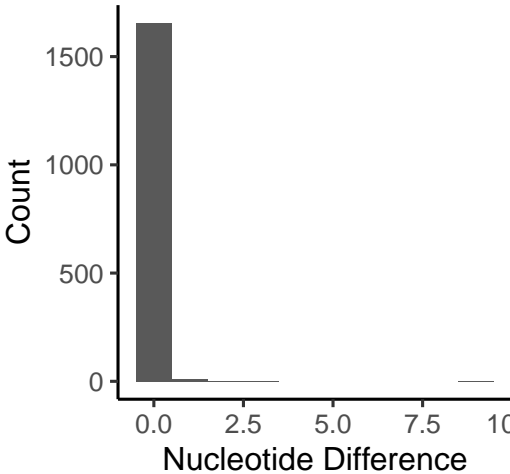
TRBV12-2\*ap01

622 sequences assigned  
615 (98.9%) exact matches, in which:  
609 unique CDR3  
13 unique J



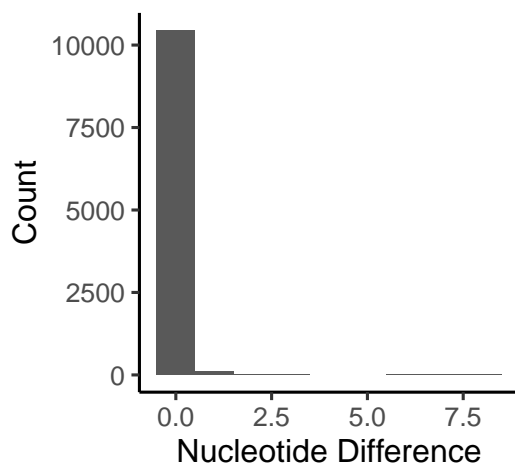
TRBV23-1\*ap01

1670 sequences assigned  
1655 (99.1%) exact matches, in which:  
1635 unique CDR3  
13 unique J



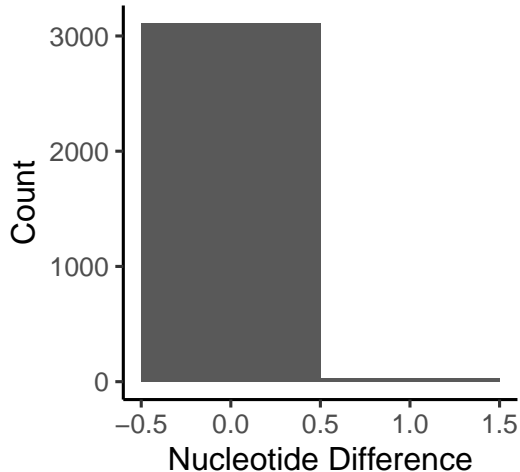
### TRBV3-12\*ap01

10579 sequences assigned  
10452 (98.8%) exact matches, in which:  
10263 unique CDR3  
13 unique J



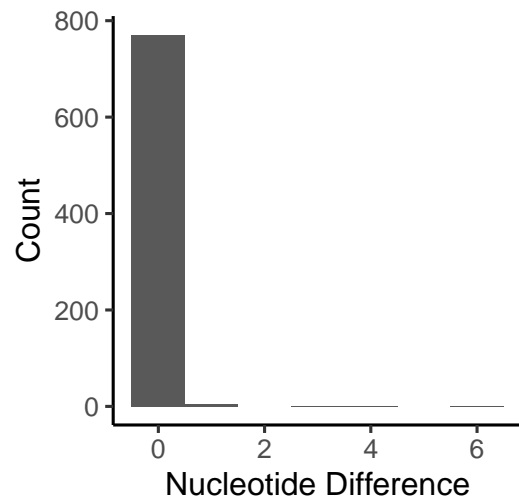
### TRBV4-2\*ap01

3141 sequences assigned  
3109 (99%) exact matches, in which:  
3034 unique CDR3  
13 unique J



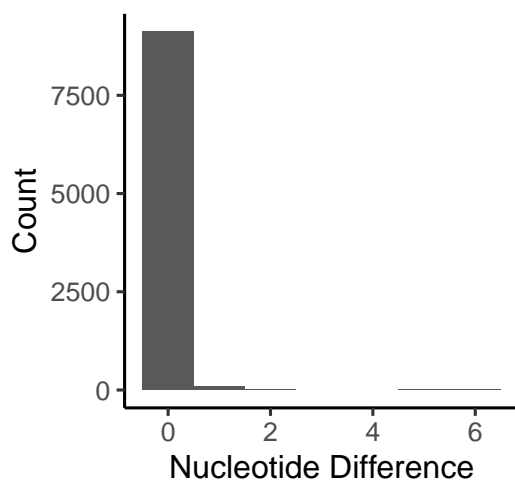
### TRBV5-3\*ap01

779 sequences assigned  
771 (99%) exact matches, in which:  
767 unique CDR3  
13 unique J



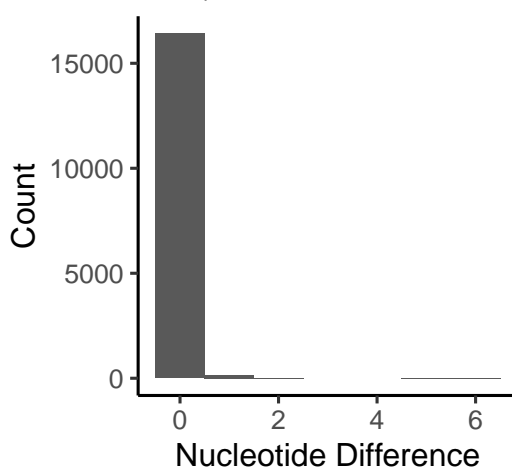
### TRBV4-1\*ap01

9215 sequences assigned  
9118 (98.9%) exact matches, in which:  
8906 unique CDR3  
13 unique J



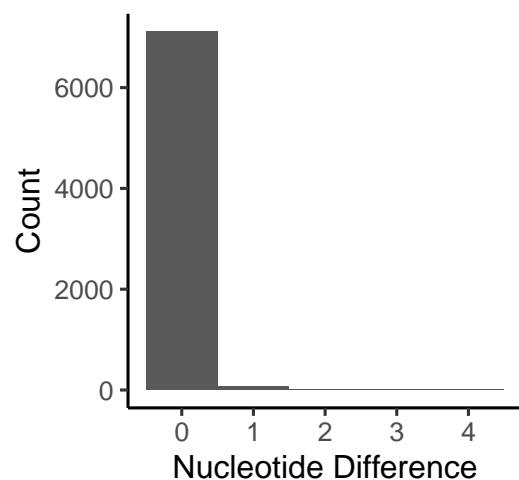
### TRBV5-1\*ap01

16578 sequences assigned  
16420 (99%) exact matches, in which:  
16011 unique CDR3  
13 unique J



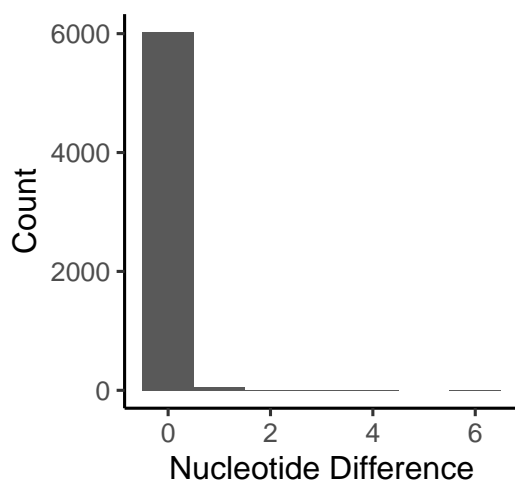
### TRBV5-4\*ap01

7191 sequences assigned  
7109 (98.9%) exact matches, in which:  
6974 unique CDR3  
13 unique J



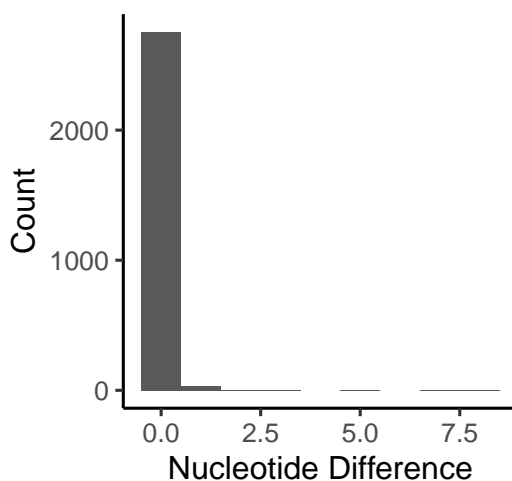
### TRBV24-1\*ap01

6096 sequences assigned  
6027 (98.9%) exact matches, in which:  
5920 unique CDR3  
13 unique J



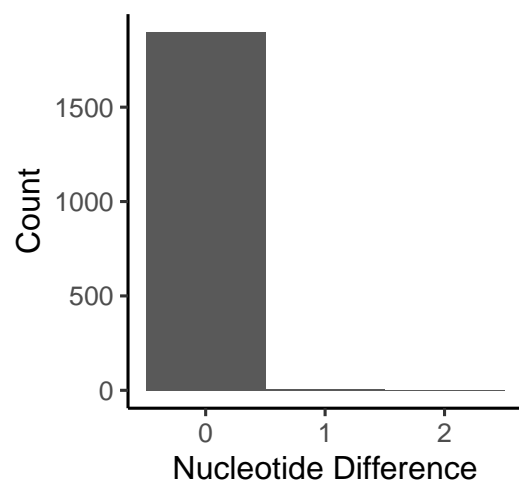
### TRBV25-1\*ap01

2794 sequences assigned  
2754 (98.6%) exact matches, in which:  
2692 unique CDR3  
13 unique J



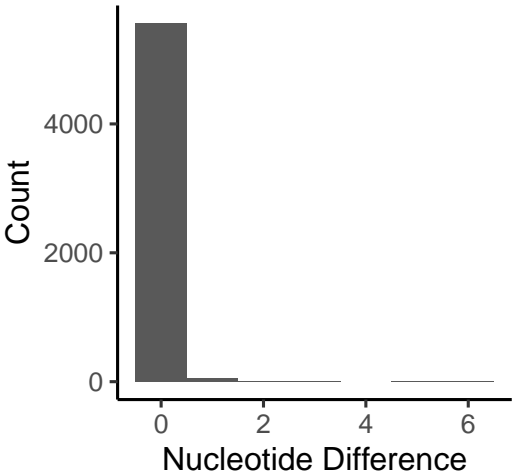
### TRBV5-5\*ap01

1907 sequences assigned  
1898 (99.5%) exact matches, in which:  
1886 unique CDR3  
13 unique J



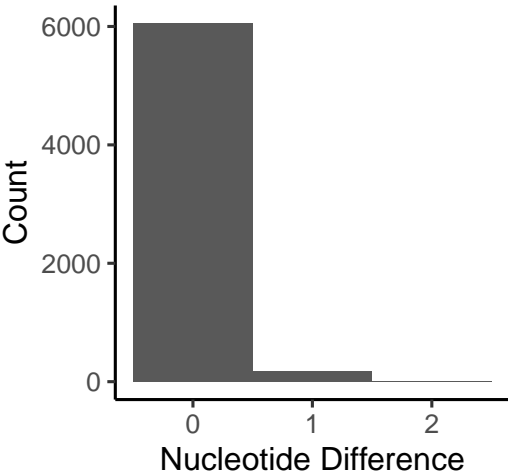
TRBV5-6\*ap01

5622 sequences assigned  
5560 (98.9%) exact matches, in which:  
5419 unique CDR3  
13 unique J



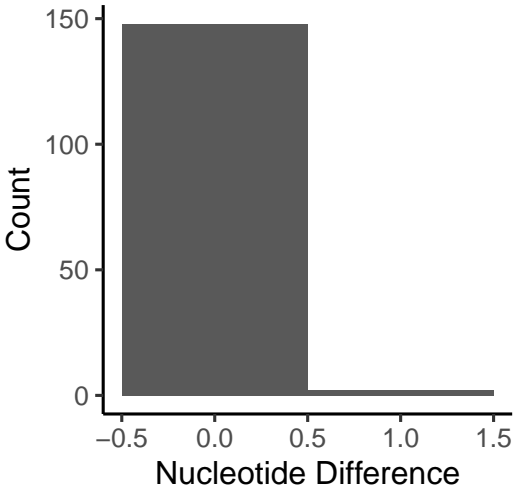
TRBV6-1\*ap01

6230 sequences assigned  
6052 (97.1%) exact matches, in which:  
5910 unique CDR3  
13 unique J



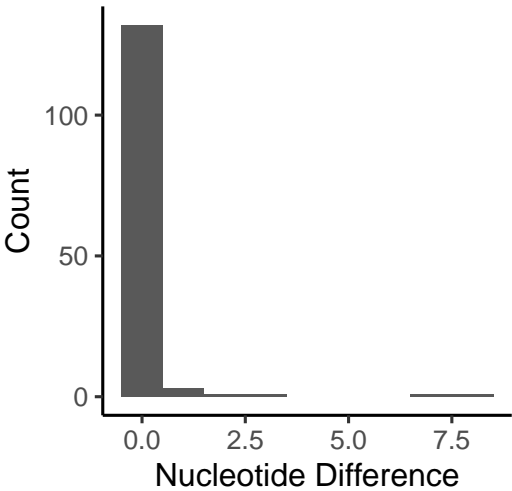
TRBV6-8\*ap01

150 sequences assigned  
148 (98.7%) exact matches, in which:  
144 unique CDR3  
13 unique J



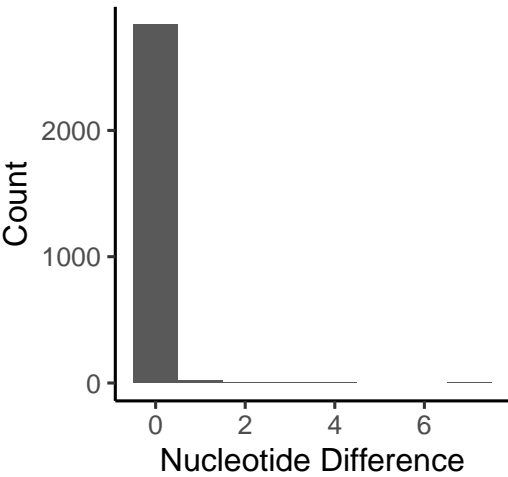
TRBV5-7\*ap01

139 sequences assigned  
132 (95%) exact matches, in which:  
127 unique CDR3  
13 unique J



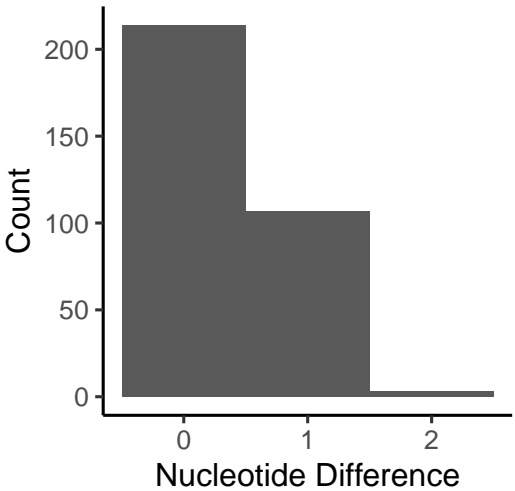
TRBV6-4\*ap01

2864 sequences assigned  
2837 (99.1%) exact matches, in which:  
2802 unique CDR3  
13 unique J



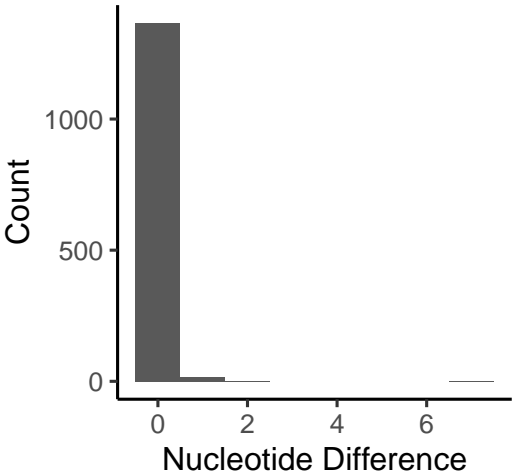
TRBV6-9\*ap01

324 sequences assigned  
214 (66%) exact matches, in which:  
208 unique CDR3  
13 unique J



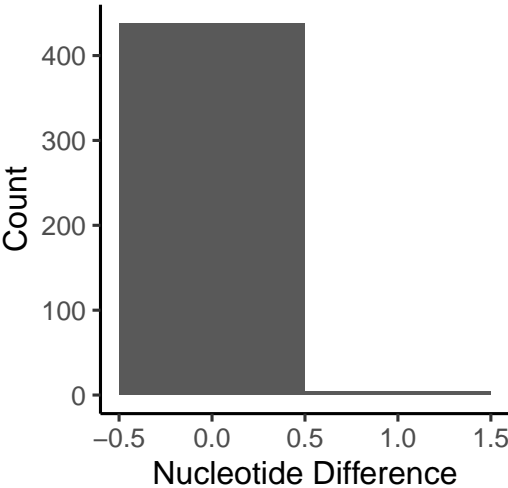
TRBV5-8\*ap01

1384 sequences assigned  
1366 (98.7%) exact matches, in which:  
1353 unique CDR3  
13 unique J



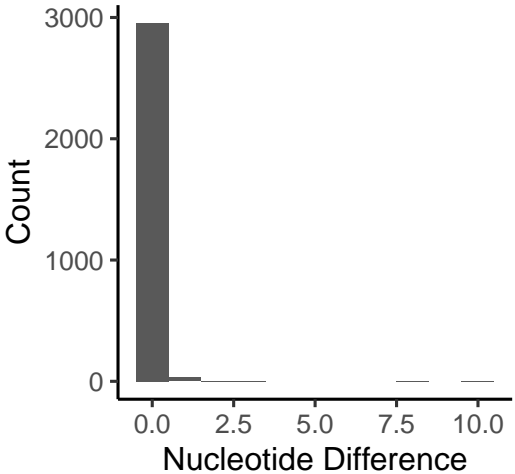
TRBV6-7\*ap01

442 sequences assigned  
438 (99.1%) exact matches, in which:  
424 unique CDR3  
13 unique J



TRBV6-23\*ap01

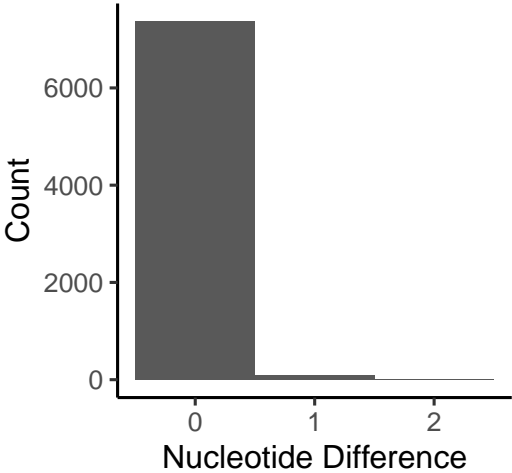
2990 sequences assigned  
2954 (98.8%) exact matches, in which:  
2887 unique CDR3  
13 unique J





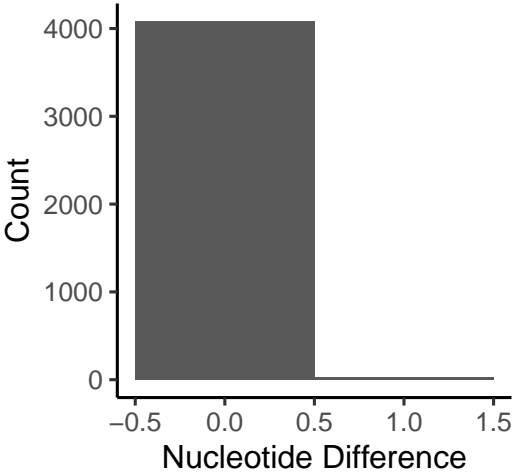
TRBV6-56\*ap01

7472 sequences assigned  
7368 (98.6%) exact matches, in which:  
7189 unique CDR3  
13 unique J



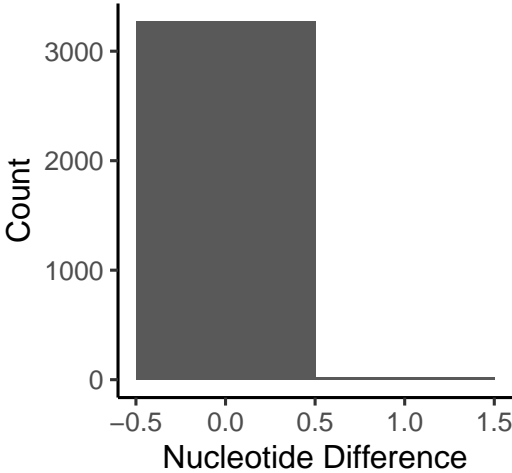
TRBV7-2\*ap01

4104 sequences assigned  
4081 (99.4%) exact matches, in which:  
4039 unique CDR3  
13 unique J



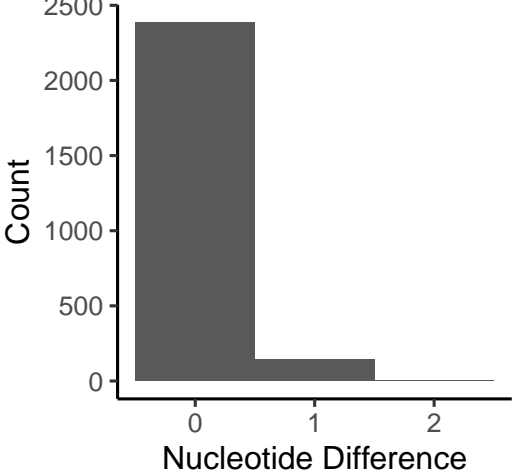
TRBV7-6\*ap01

3296 sequences assigned  
3272 (99.3%) exact matches, in which:  
3222 unique CDR3  
13 unique J



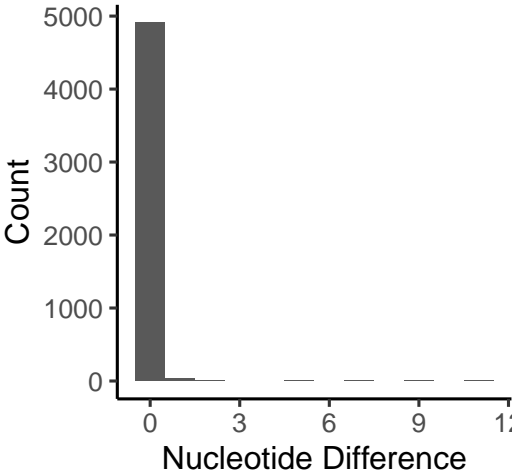
TRBV6-56\*ap02

2529 sequences assigned  
2384 (94.3%) exact matches, in which:  
2336 unique CDR3  
13 unique J



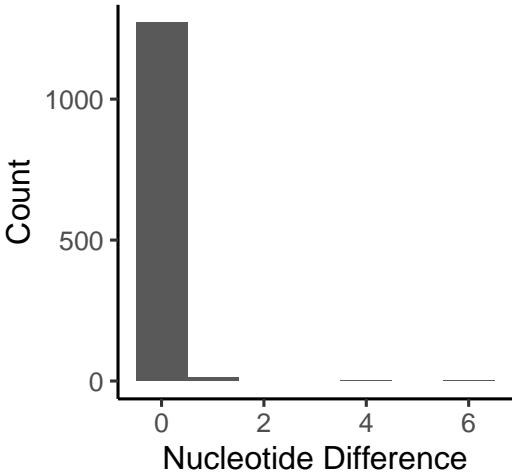
TRBV7-3\*ap01

4943 sequences assigned  
4909 (99.3%) exact matches, in which:  
4864 unique CDR3  
13 unique J



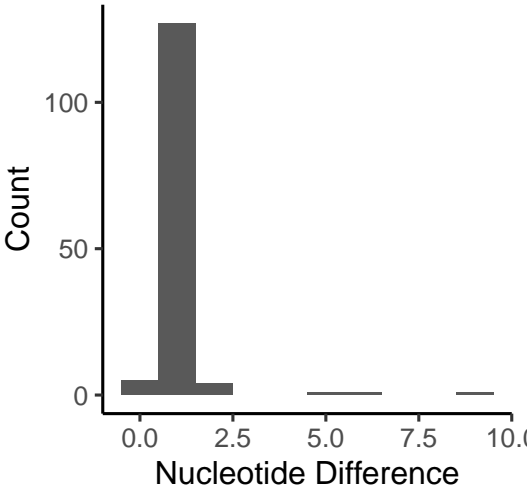
TRBV7-7\*ap01\_C315T

1284 sequences assigned  
1271 (99%) exact matches, in which:  
1251 unique CDR3  
13 unique J



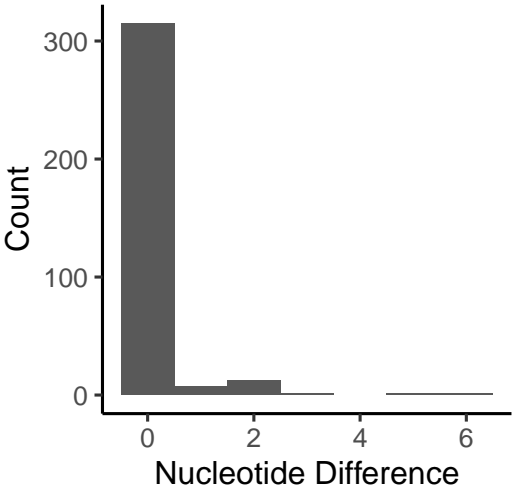
TRBV7-1\*ap01\_T296C

139 sequences assigned  
5 (3.6%) exact matches, in which:  
5 unique CDR3  
3 unique J



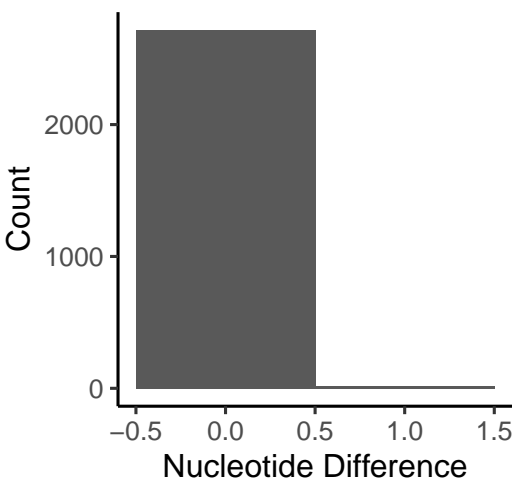
TRBV7-4\*ap01

337 sequences assigned  
315 (93.5%) exact matches, in which:  
311 unique CDR3  
13 unique J



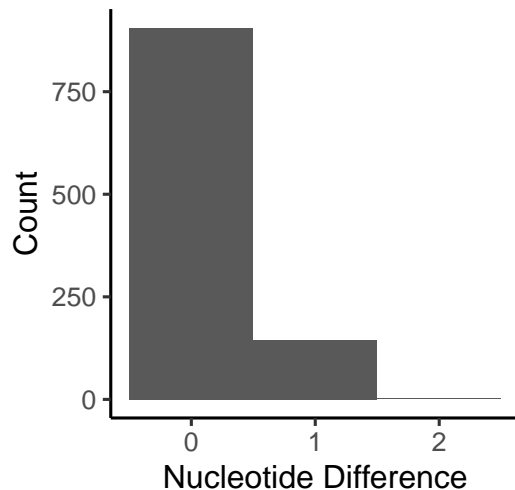
TRBV7-8\*ap01

2734 sequences assigned  
2717 (99.4%) exact matches, in which:  
2681 unique CDR3  
13 unique J



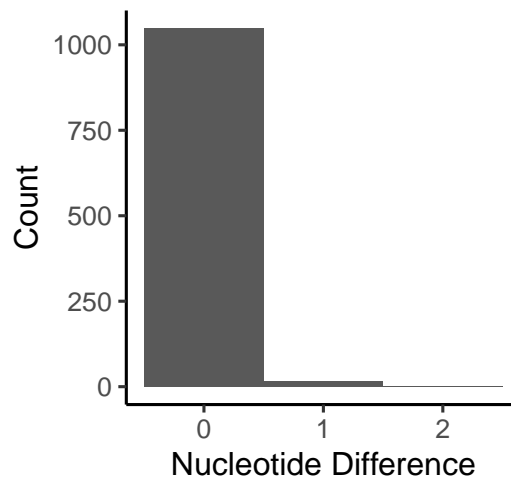
### TRBV7-8\*ap03

1052 sequences assigned  
906 (86.1%) exact matches, in which:  
887 unique CDR3  
13 unique J



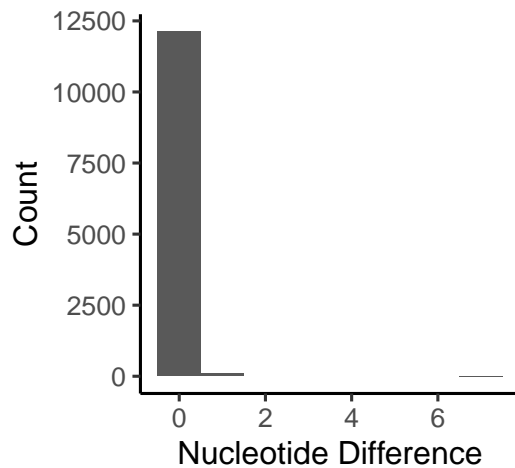
### TRBV29-1\*ap02

1066 sequences assigned  
1048 (98.3%) exact matches, in which:  
1019 unique CDR3  
13 unique J



### TRBV7-9\*ap01

12225 sequences assigned  
12128 (99.2%) exact matches, in which:  
11995 unique CDR3  
13 unique J



### TRBV29-1\*ap01

5632 sequences assigned  
5544 (98.4%) exact matches, in which:  
5413 unique CDR3  
13 unique J

