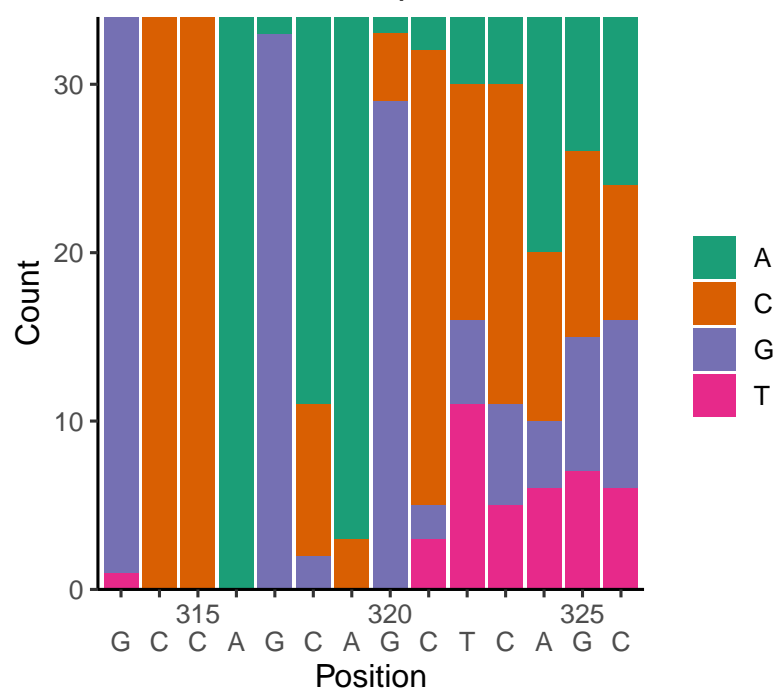
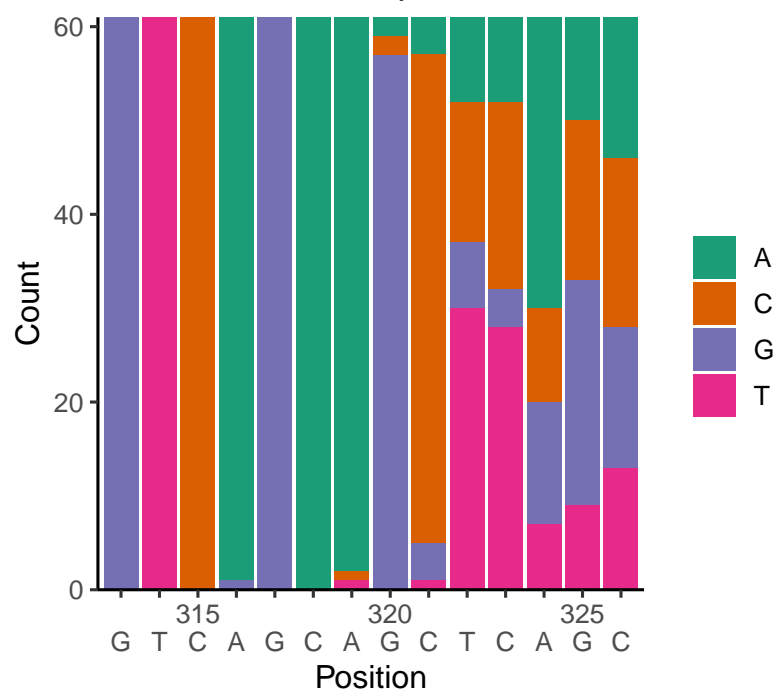


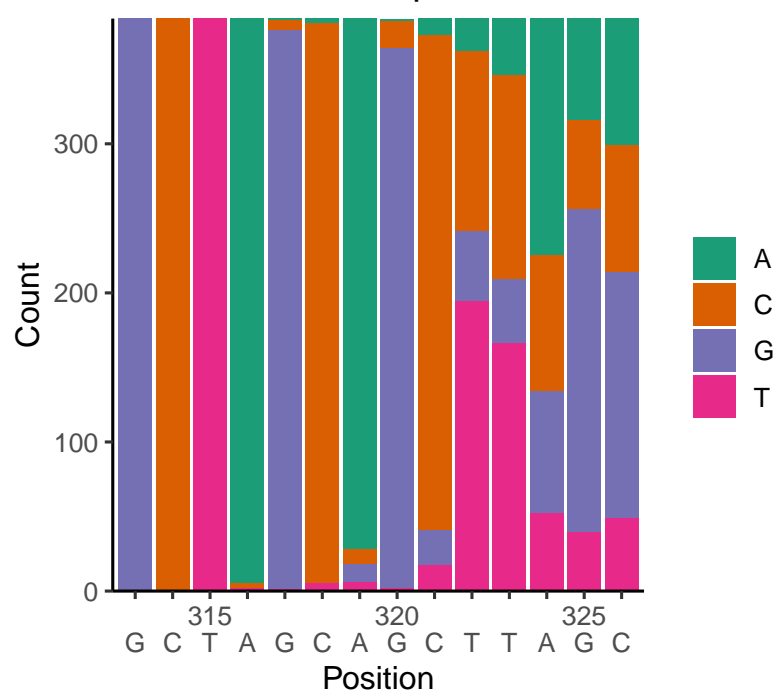
Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C\_C314T



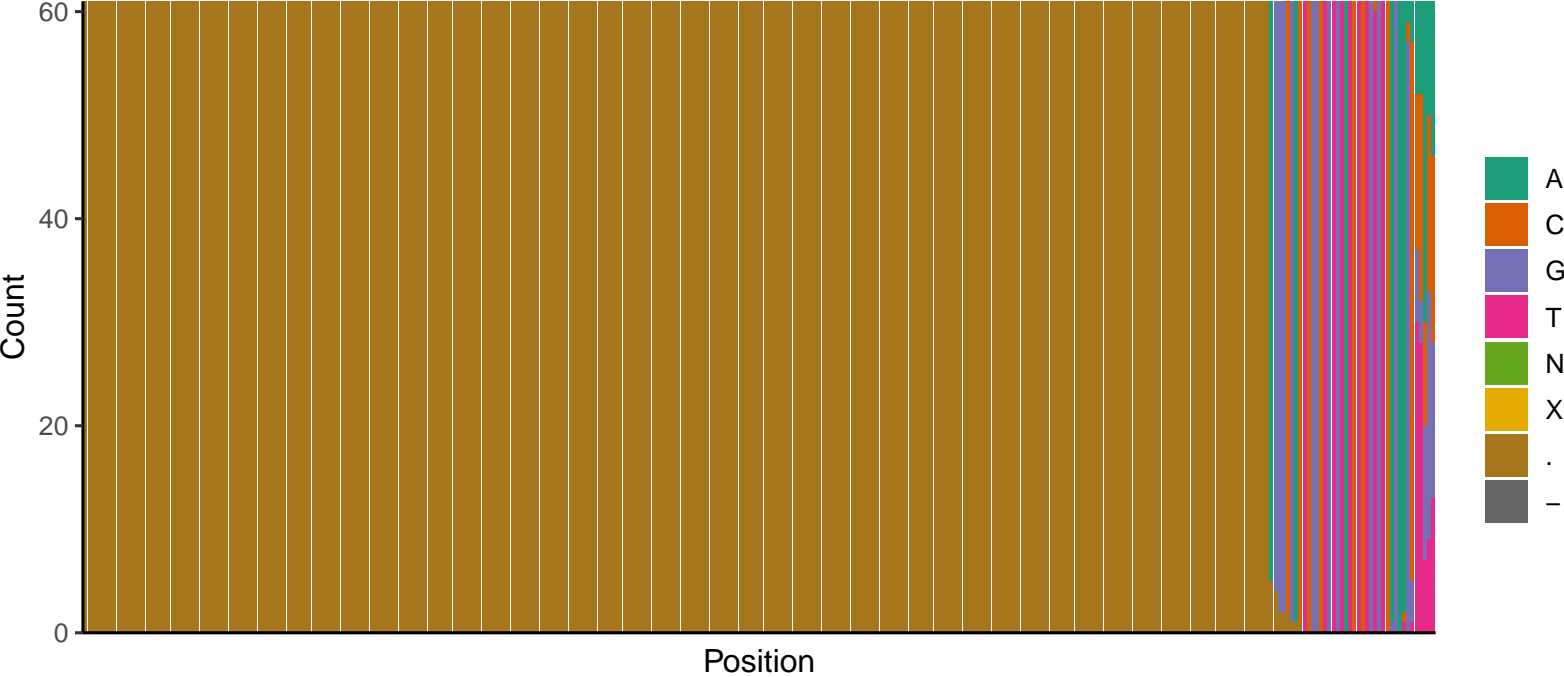
Gene TRBV7-7\*ap01\_C315T



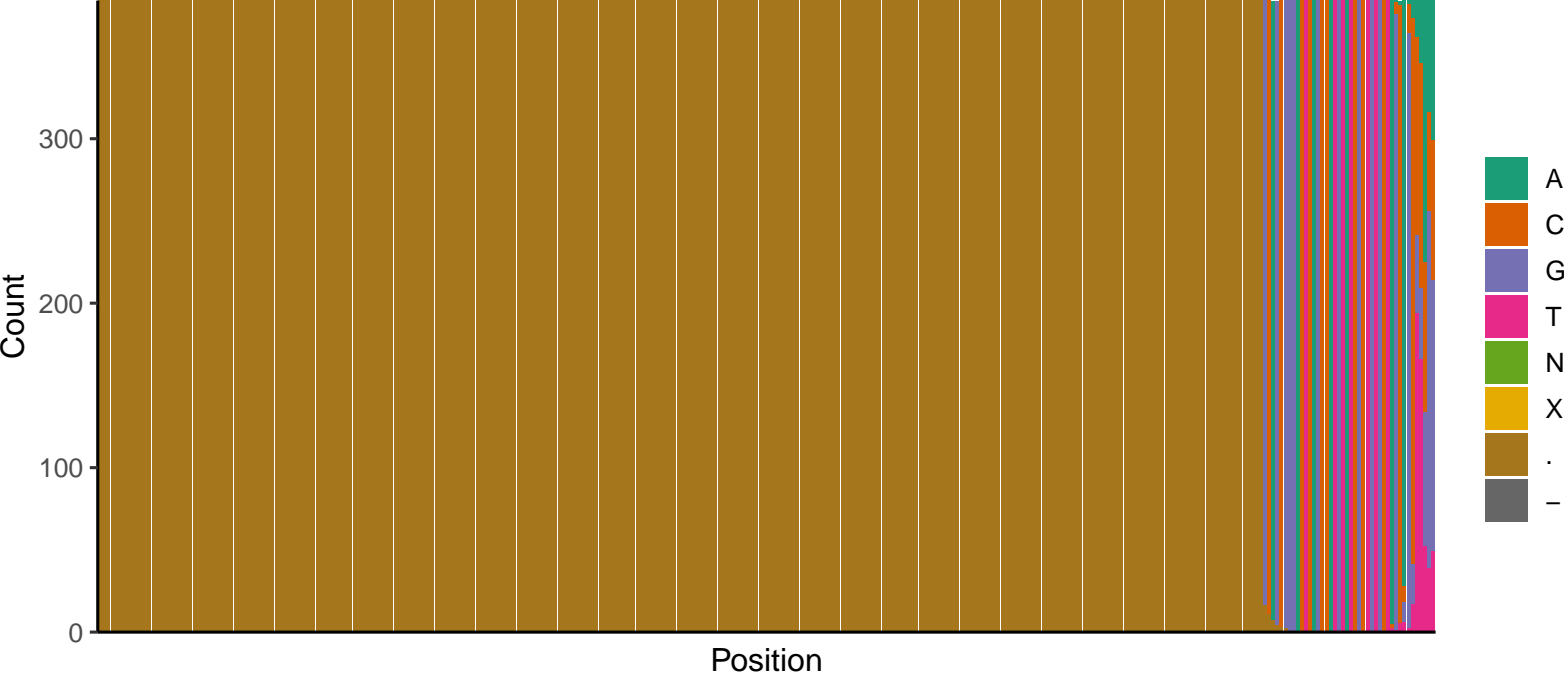
Gene TRBV7-1\*ap01\_T296C



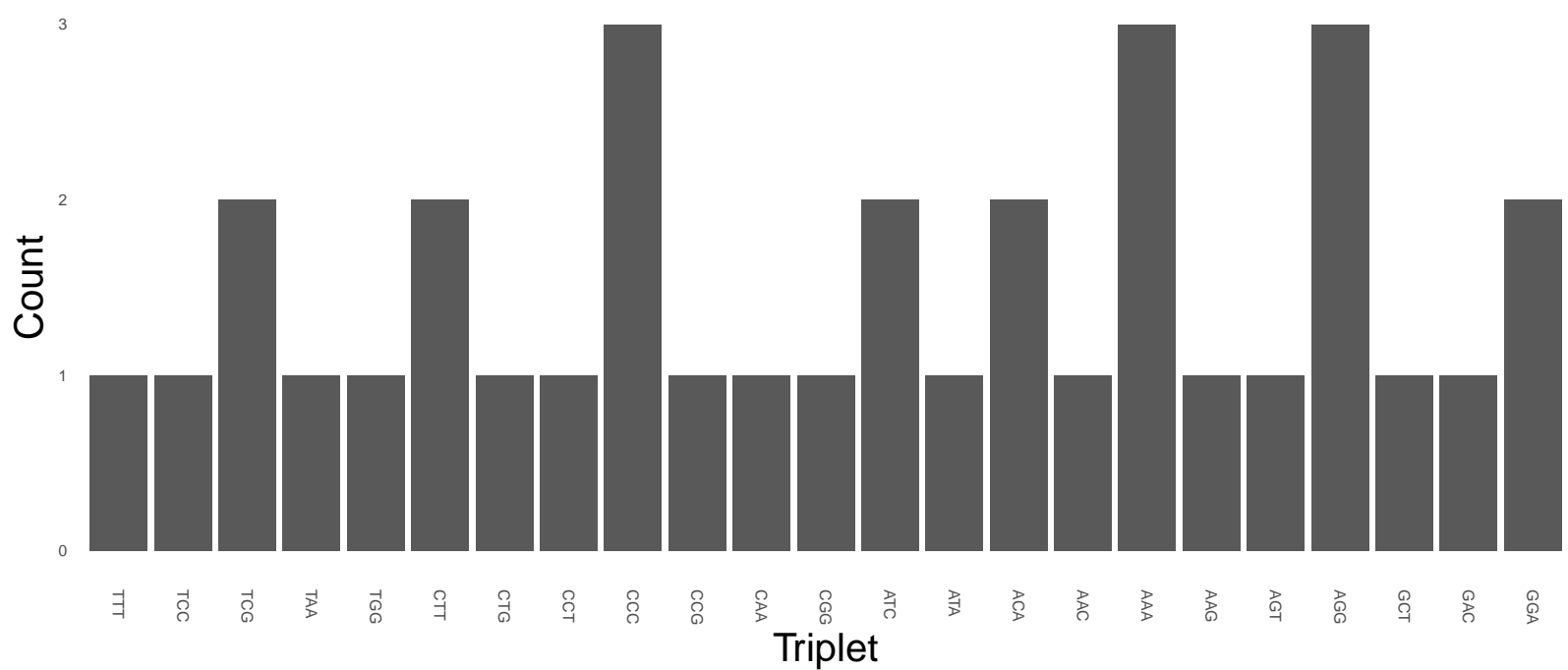
Gene TRBV7-1\*ap01\_T296C\_C314T



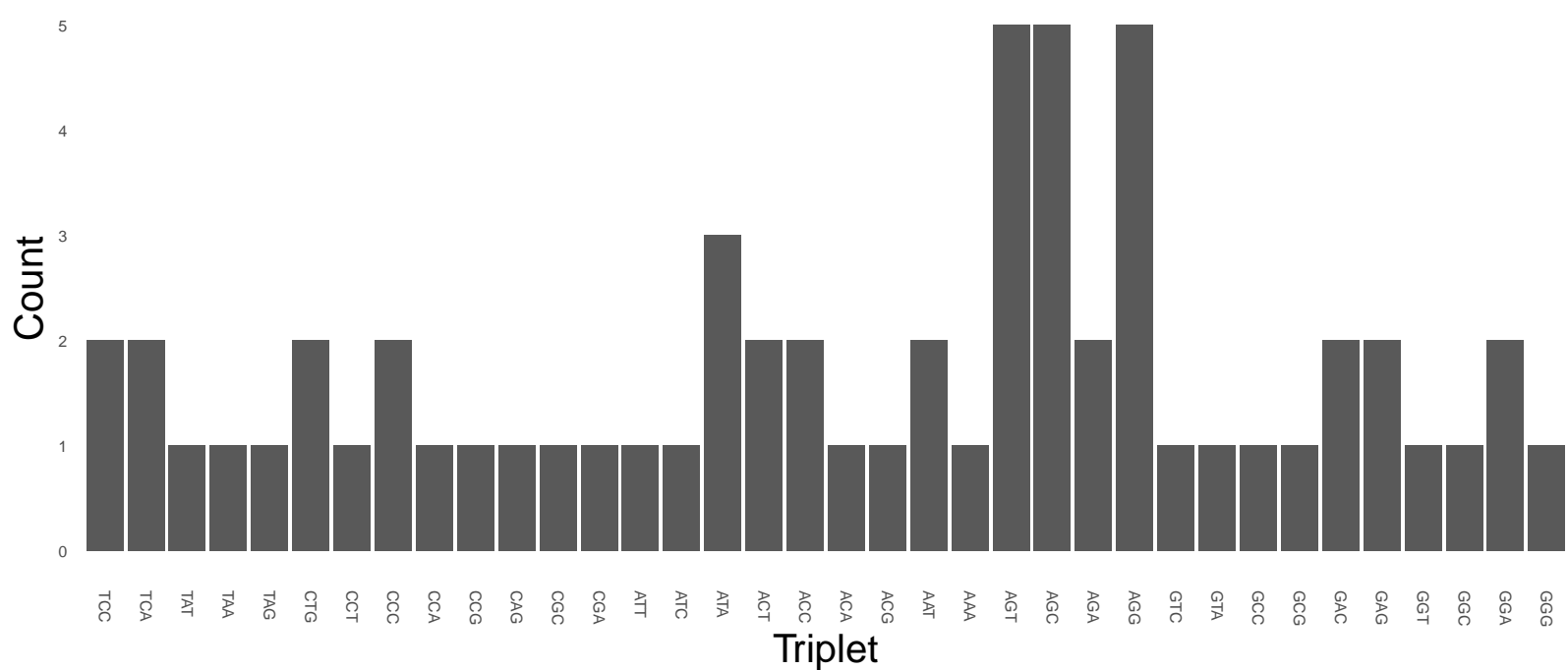
Gene TRBV7-7\*ap01\_C315T



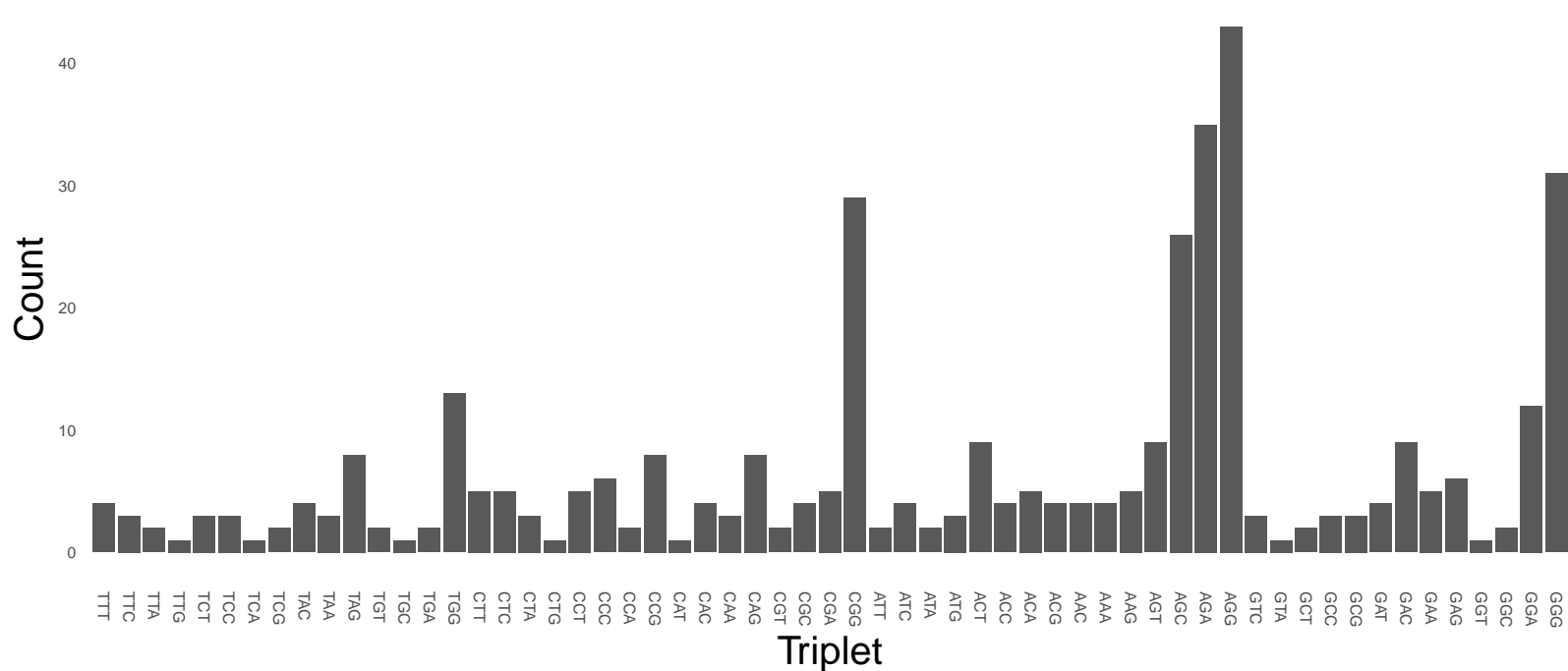
TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



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

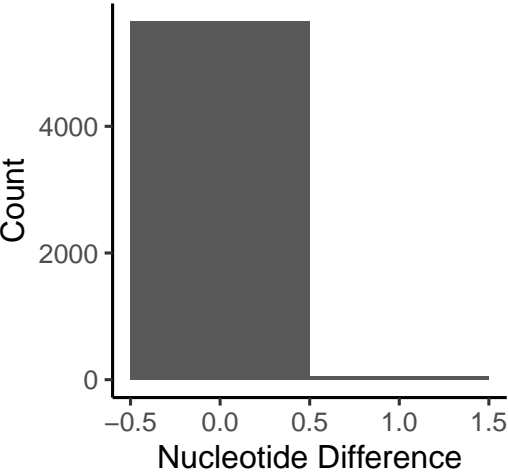


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



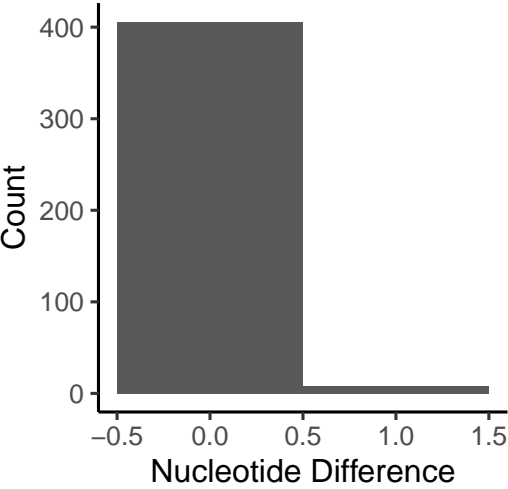
TRBV20-1\*ap01

5710 sequences assigned  
5656 (99.1%) exact matches, in which:  
5603 unique CDR3  
13 unique J



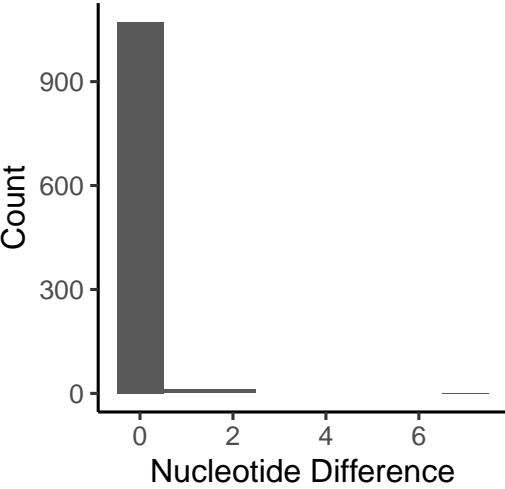
TRBV10-2\*ap01

414 sequences assigned  
406 (98.1%) exact matches, in which:  
399 unique CDR3  
13 unique J



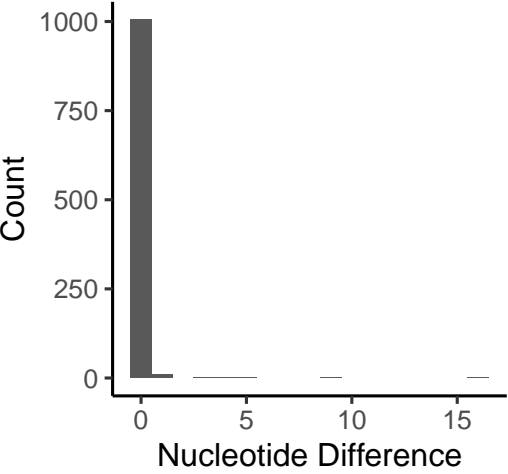
TRBV13\*ap01

1096 sequences assigned  
1073 (97.9%) exact matches, in which:  
1062 unique CDR3  
13 unique J



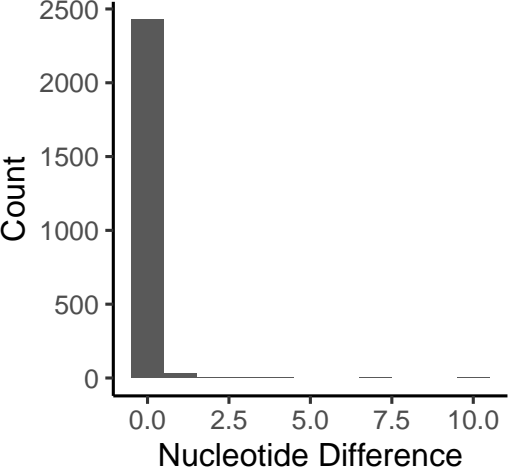
TRBV10-1\*ap01

1021 sequences assigned  
1005 (98.4%) exact matches, in which:  
989 unique CDR3  
13 unique J



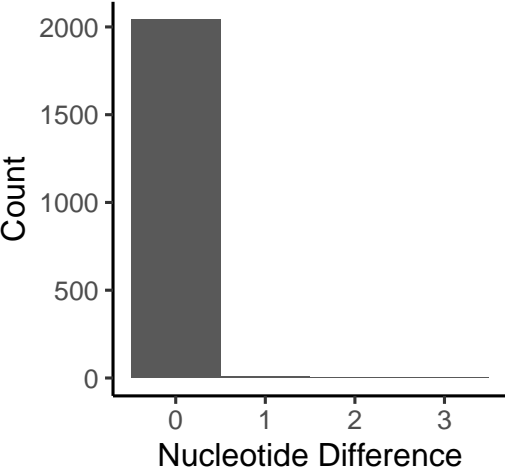
TRBV10-3\*ap01

2461 sequences assigned  
2427 (98.6%) exact matches, in which:  
2396 unique CDR3  
13 unique J



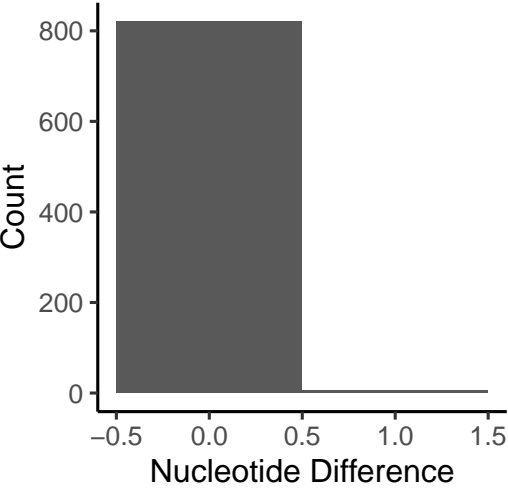
TRBV14\*ap01

2056 sequences assigned  
2041 (99.3%) exact matches, in which:  
2023 unique CDR3  
13 unique J



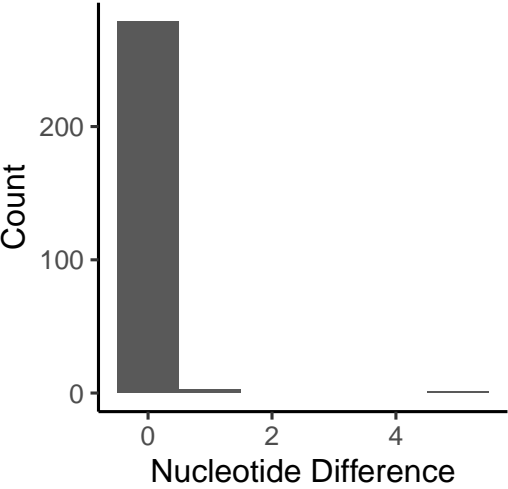
TRBV20-1\*ap02

827 sequences assigned  
821 (99.3%) exact matches, in which:  
816 unique CDR3  
13 unique J



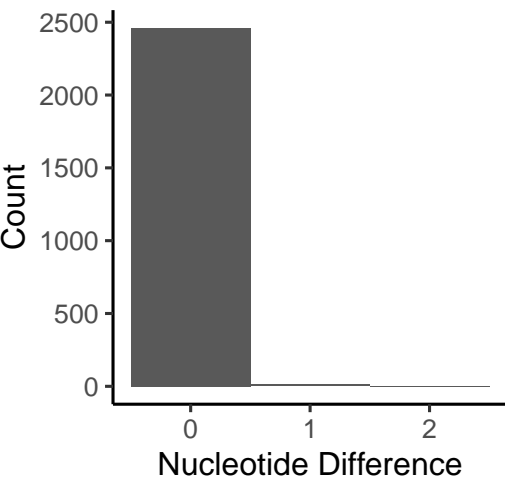
TRBV1\*ap01

283 sequences assigned  
279 (98.6%) exact matches, in which:  
268 unique CDR3  
13 unique J



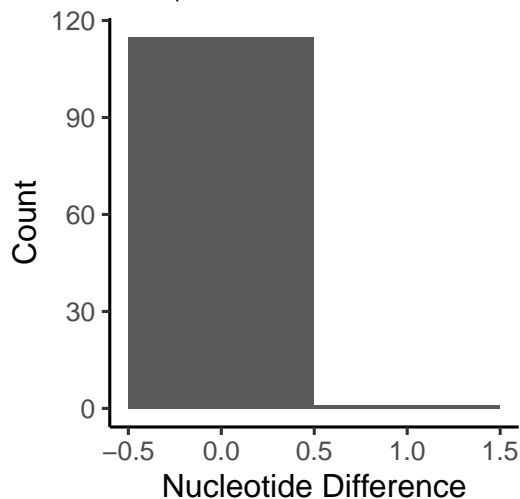
TRBV15\*ap02

2473 sequences assigned  
2460 (99.5%) exact matches, in which:  
2426 unique CDR3  
13 unique J



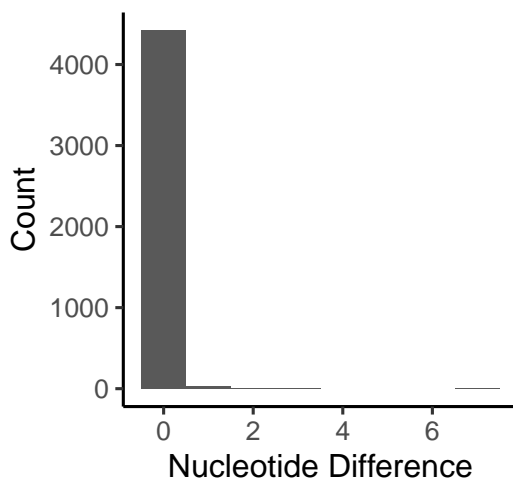
### TRBV16\*ap01

116 sequences assigned  
115 (99.1%) exact matches, in which:  
115 unique CDR3  
13 unique J



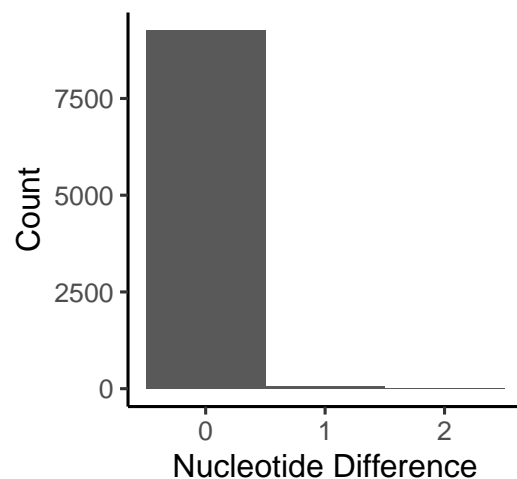
### TRBV2\*ap01

4460 sequences assigned  
4421 (99.1%) exact matches, in which:  
4376 unique CDR3  
13 unique J



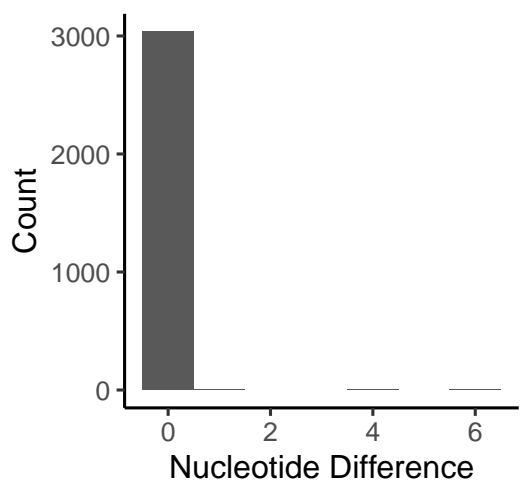
### TRBV28\*ap01

9320 sequences assigned  
9259 (99.3%) exact matches, in which:  
9183 unique CDR3  
13 unique J



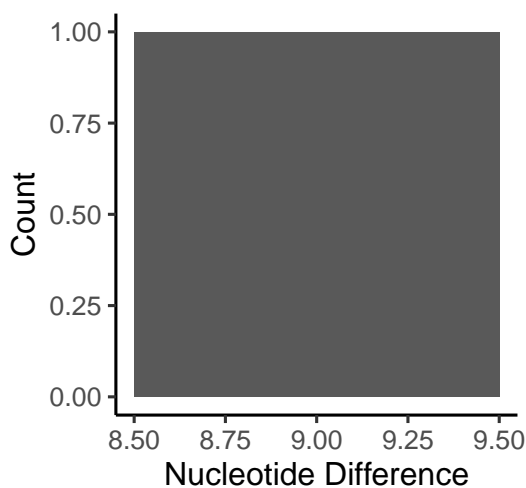
### TRBV18\*ap01

3045 sequences assigned  
3036 (99.7%) exact matches, in which:  
3017 unique CDR3  
13 unique J



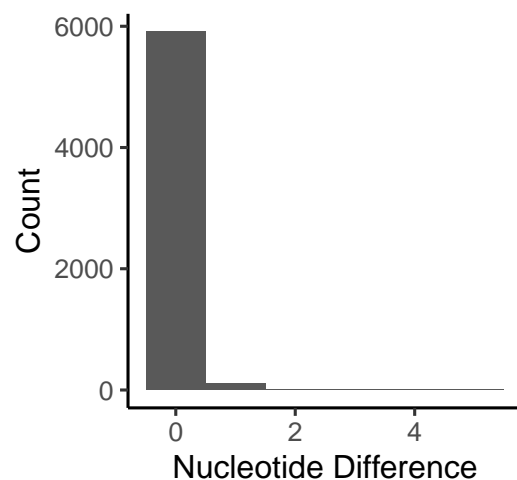
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



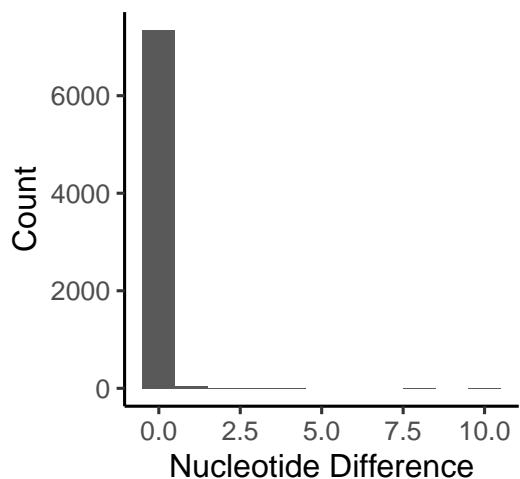
### TRBV30\*ap01

6024 sequences assigned  
5910 (98.1%) exact matches, in which:  
5764 unique CDR3  
13 unique J



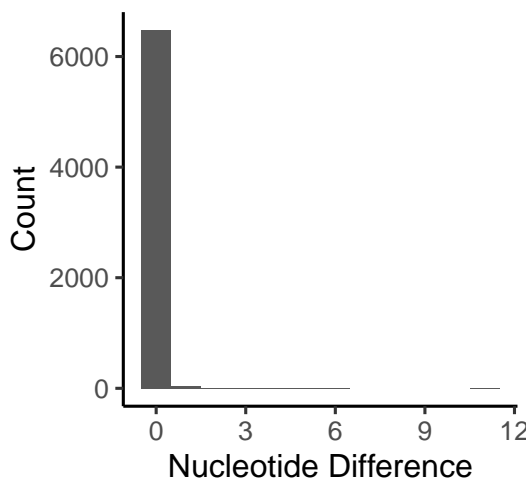
### TRBV19\*ap01

7411 sequences assigned  
7346 (99.1%) exact matches, in which:  
7300 unique CDR3  
13 unique J



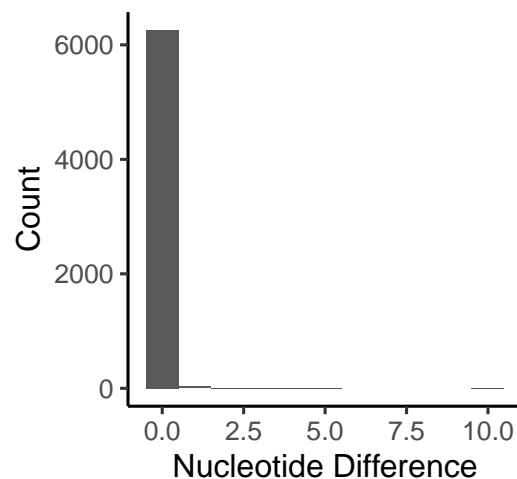
### TRBV27\*ap01

6530 sequences assigned  
6479 (99.2%) exact matches, in which:  
6391 unique CDR3  
13 unique J



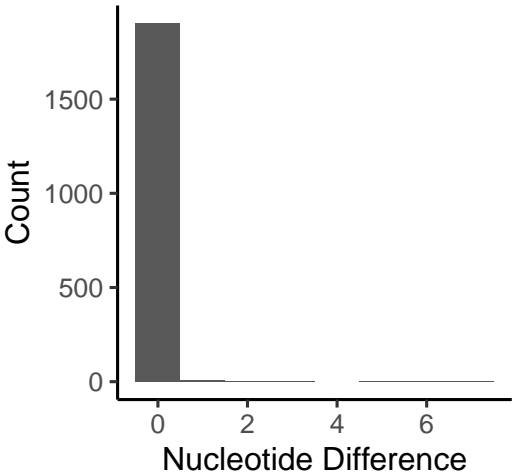
### TRBV9\*ap01

6296 sequences assigned  
6259 (99.4%) exact matches, in which:  
6208 unique CDR3  
13 unique J



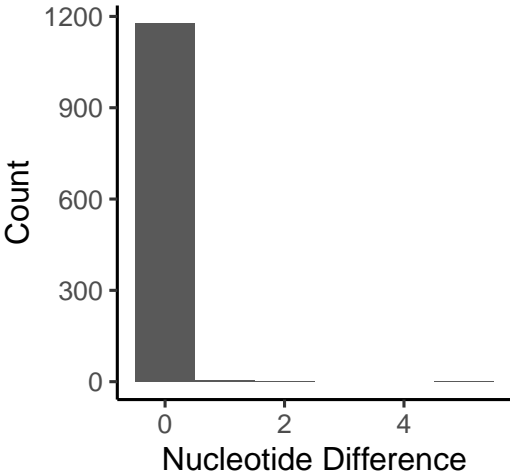
TRBV21-1\*ap01

1926 sequences assigned  
1902 (98.8%) exact matches, in which:  
1894 unique CDR3  
13 unique J



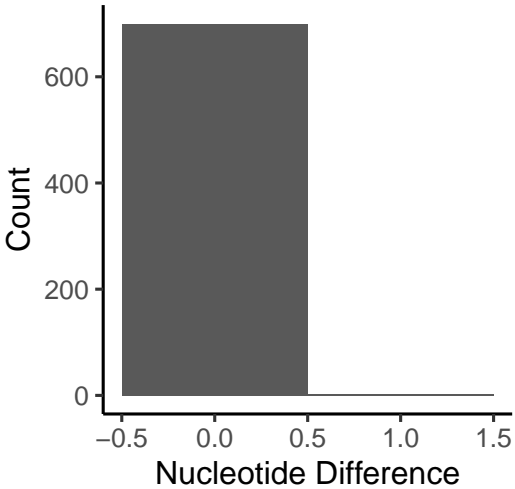
TRBV11-3\*ap01

1186 sequences assigned  
1177 (99.2%) exact matches, in which:  
1170 unique CDR3  
13 unique J



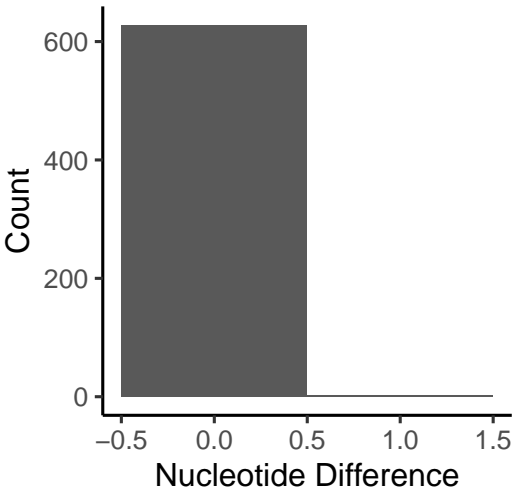
TRBV12-5\*ap01

703 sequences assigned  
700 (99.6%) exact matches, in which:  
694 unique CDR3  
13 unique J



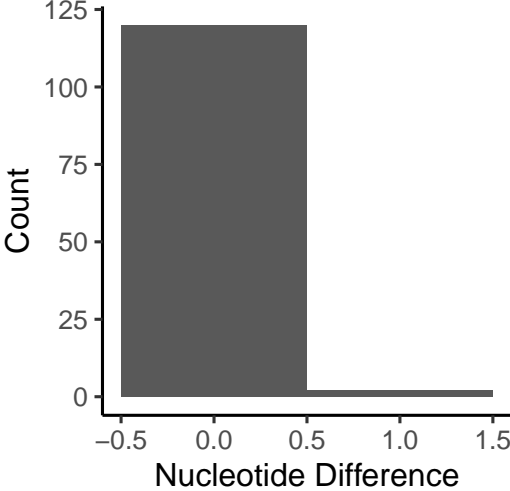
TRBV11-1\*ap01

630 sequences assigned  
628 (99.7%) exact matches, in which:  
622 unique CDR3  
13 unique J



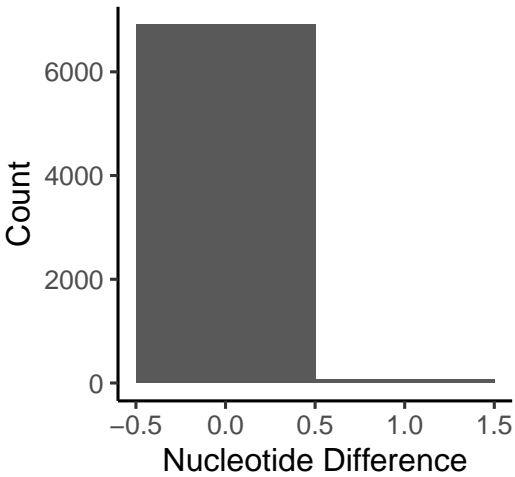
TRBV12-1\*ap01

122 sequences assigned  
120 (98.4%) exact matches, in which:  
119 unique CDR3  
12 unique J



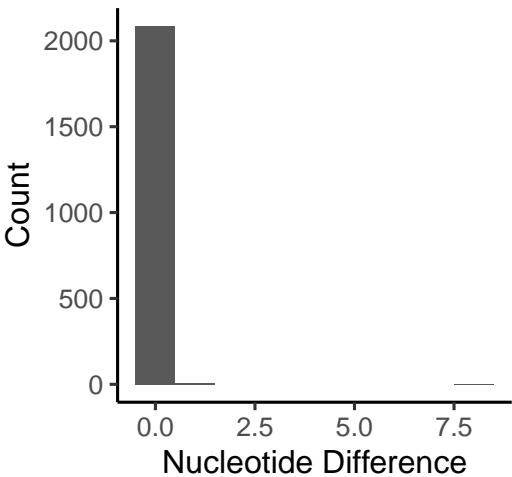
TRBV12-34\*ap01

6979 sequences assigned  
6908 (99%) exact matches, in which:  
6844 unique CDR3  
13 unique J



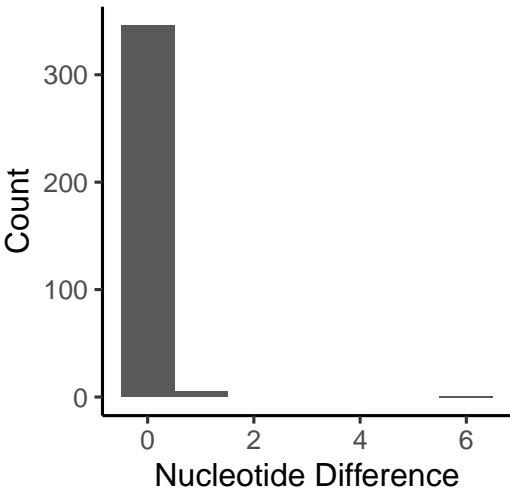
TRBV11-2\*ap01

2093 sequences assigned  
2086 (99.7%) exact matches, in which:  
2080 unique CDR3  
13 unique J



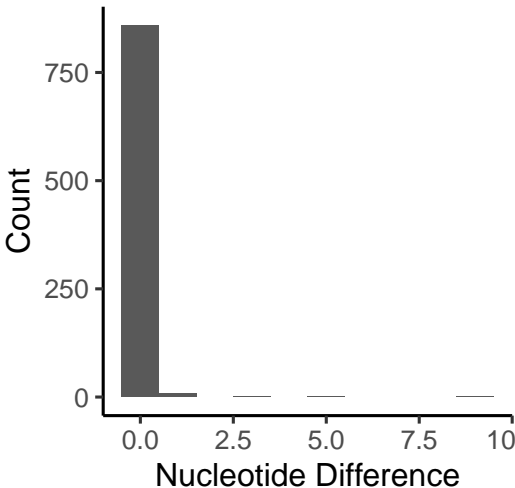
TRBV12-2\*ap01

352 sequences assigned  
346 (98.3%) exact matches, in which:  
344 unique CDR3  
13 unique J



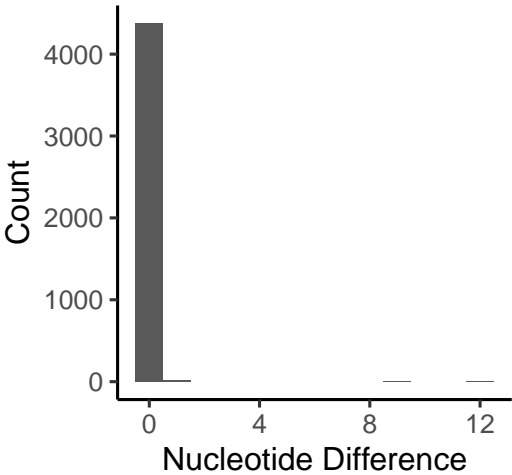
TRBV23-1\*ap01

871 sequences assigned  
859 (98.6%) exact matches, in which:  
854 unique CDR3  
13 unique J



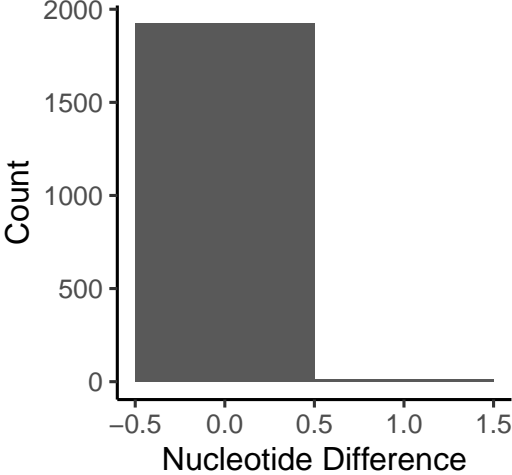
TRBV3-12\*ap01

4400 sequences assigned  
4375 (99.4%) exact matches, in which:  
4344 unique CDR3  
13 unique J



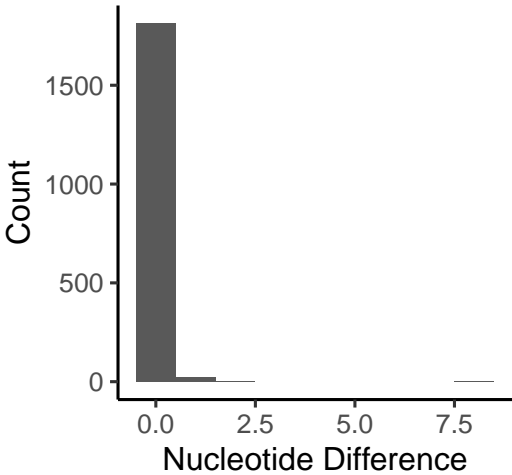
TRBV4-2\*ap01

1936 sequences assigned  
1924 (99.4%) exact matches, in which:  
1895 unique CDR3  
13 unique J



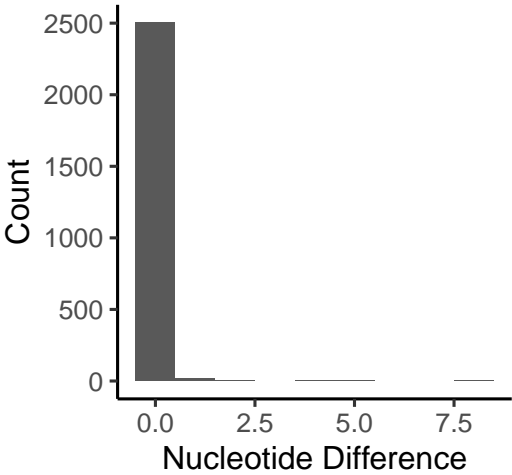
TRBV25-1\*ap01

1840 sequences assigned  
1813 (98.5%) exact matches, in which:  
1787 unique CDR3  
13 unique J



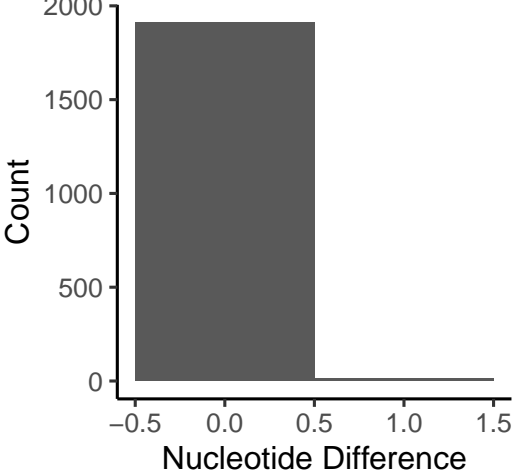
TRBV4-1\*ap01

2524 sequences assigned  
2503 (99.2%) exact matches, in which:  
2468 unique CDR3  
13 unique J



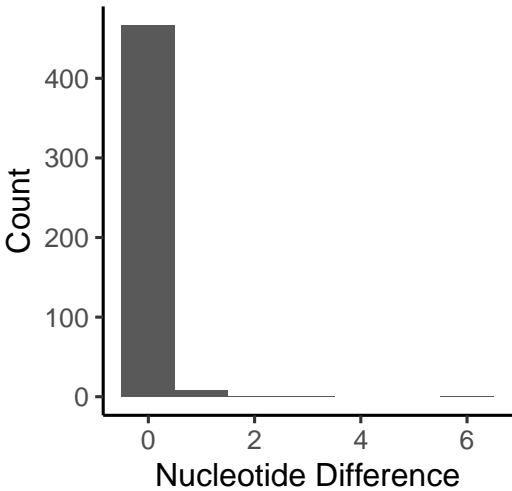
TRBV4-3\*ap01

1921 sequences assigned  
1910 (99.4%) exact matches, in which:  
1885 unique CDR3  
13 unique J



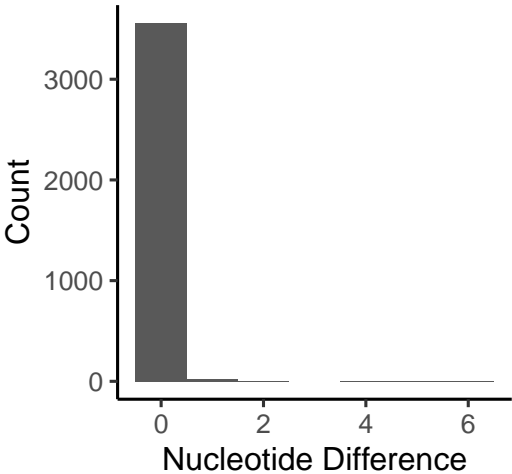
TRBV5-3\*ap01

478 sequences assigned  
467 (97.7%) exact matches, in which:  
462 unique CDR3  
13 unique J



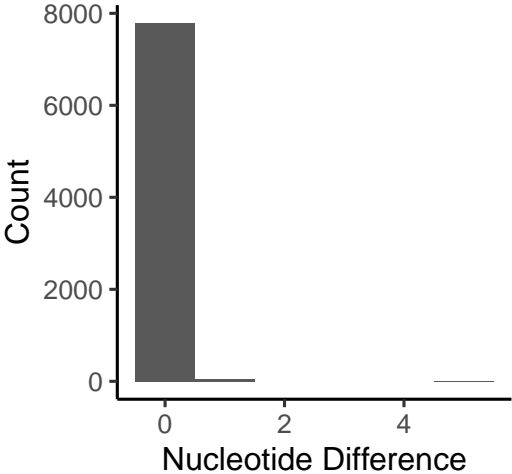
TRBV24-1\*ap01

3586 sequences assigned  
3558 (99.2%) exact matches, in which:  
3513 unique CDR3  
13 unique J



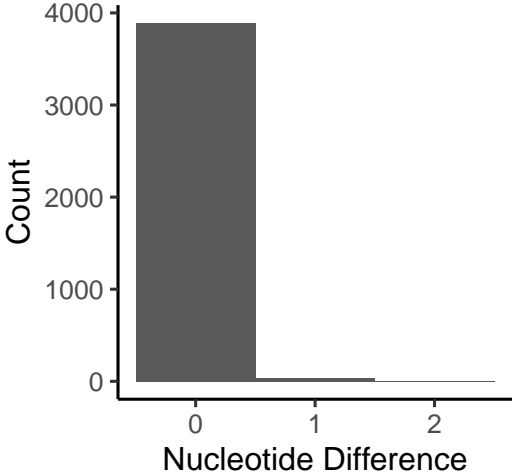
TRBV5-1\*ap01

7845 sequences assigned  
7789 (99.3%) exact matches, in which:  
7678 unique CDR3  
13 unique J



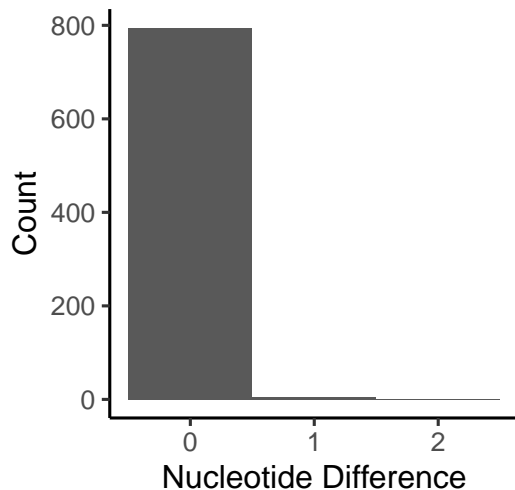
TRBV5-4\*ap01

3925 sequences assigned  
3890 (99.1%) exact matches, in which:  
3849 unique CDR3  
13 unique J



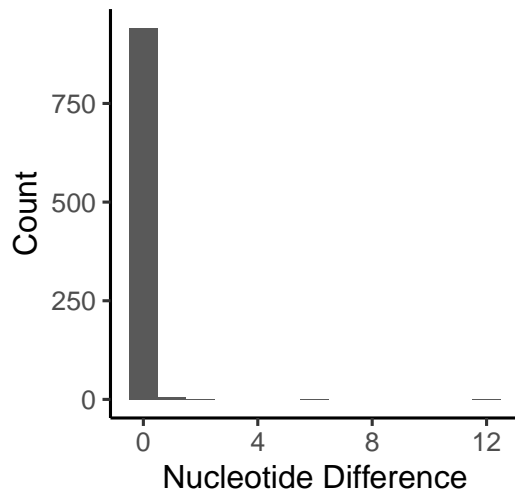
### TRBV5-5\*ap01

801 sequences assigned  
795 (99.3%) exact matches, in which:  
792 unique CDR3  
13 unique J



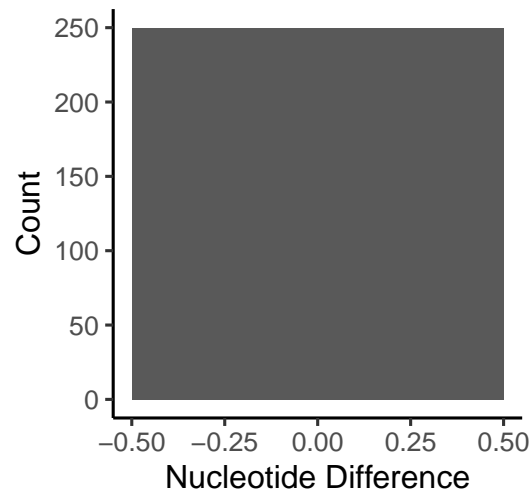
### TRBV5-8\*ap01

951 sequences assigned  
942 (99.1%) exact matches, in which:  
933 unique CDR3  
13 unique J



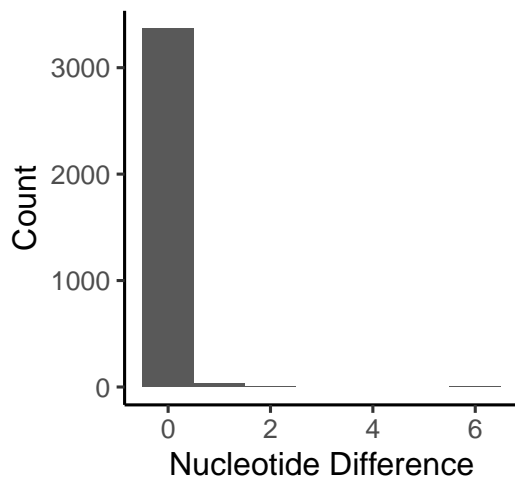
### TRBV6-7\*ap01

250 sequences assigned  
250 (100%) exact matches, in which:  
246 unique CDR3  
13 unique J



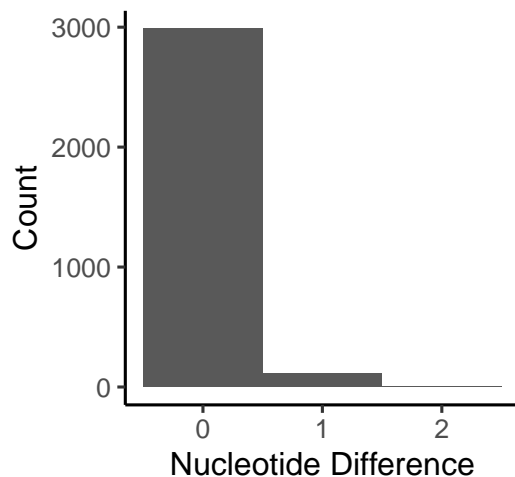
### TRBV5-6\*ap01

3404 sequences assigned  
3366 (98.9%) exact matches, in which:  
3282 unique CDR3  
13 unique J



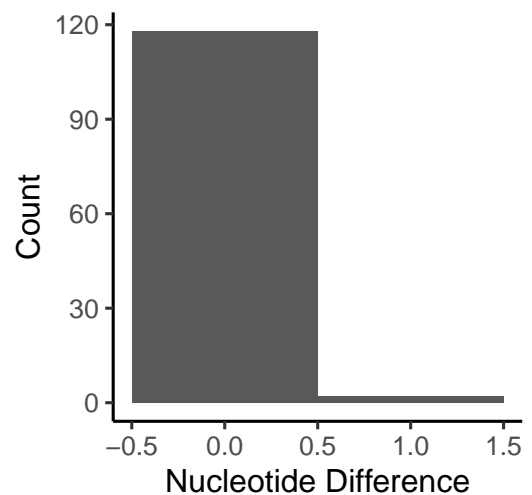
### TRBV6-1\*ap01

3101 sequences assigned  
2987 (96.3%) exact matches, in which:  
2937 unique CDR3  
13 unique J



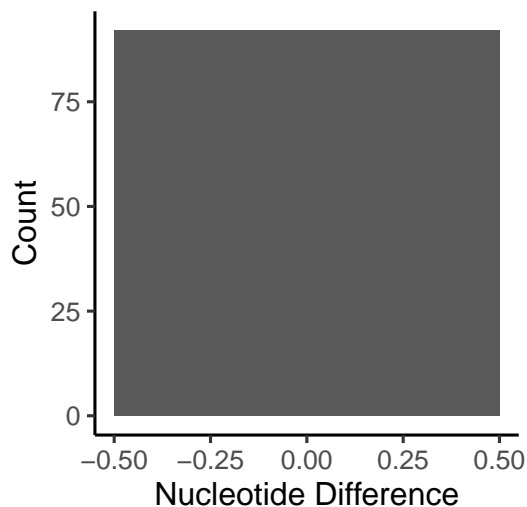
### TRBV6-8\*ap01

120 sequences assigned  
118 (98.3%) exact matches, in which:  
114 unique CDR3  
12 unique J



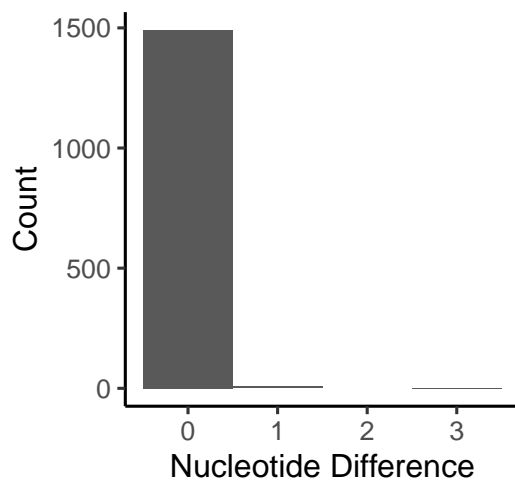
### TRBV5-7\*ap01

92 sequences assigned  
92 (100%) exact matches, in which:  
88 unique CDR3  
12 unique J



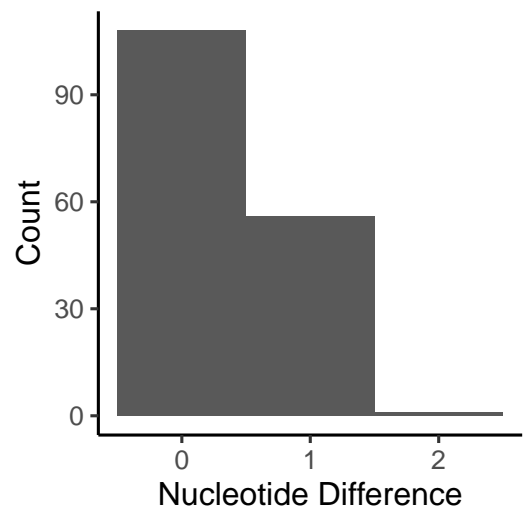
### TRBV6-4\*ap01

1500 sequences assigned  
1491 (99.4%) exact matches, in which:  
1470 unique CDR3  
13 unique J



### TRBV6-9\*ap01

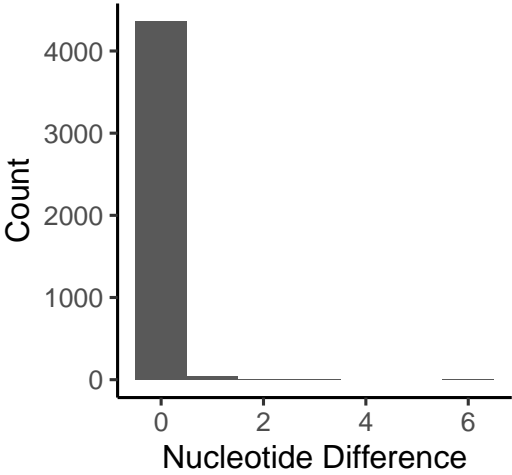
165 sequences assigned  
108 (65.5%) exact matches, in which:  
106 unique CDR3  
13 unique J





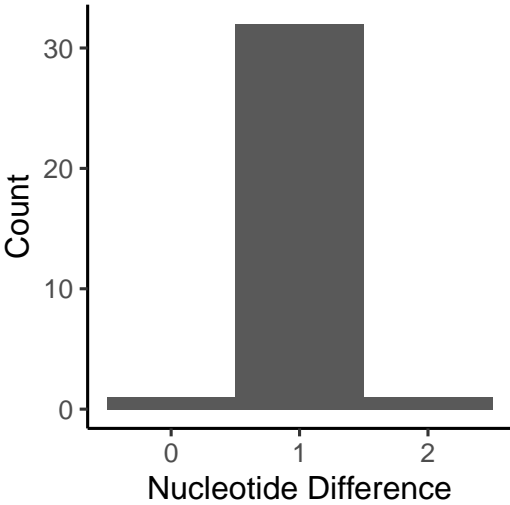
TRBV6-23\*ap01

4404 sequences assigned  
4360 (99%) exact matches, in which:  
4277 unique CDR3  
13 unique J



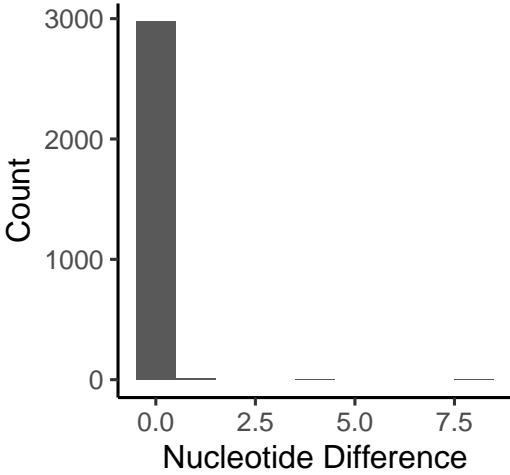
TRBV7-1\*ap01\_T296C

34 sequences assigned  
1 (2.9%) exact matches, in which:  
1 unique CDR3  
1 unique J



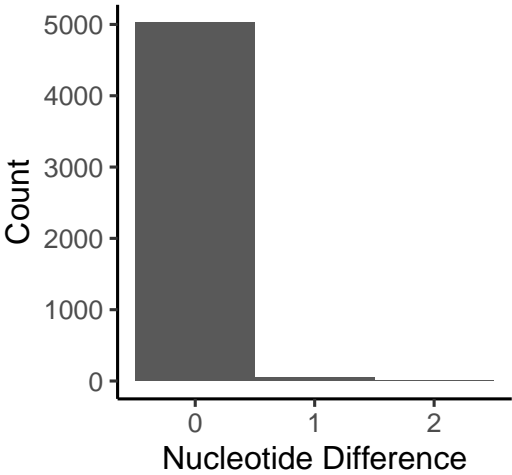
TRBV7-3\*ap01

2993 sequences assigned  
2977 (99.5%) exact matches, in which:  
2955 unique CDR3  
13 unique J



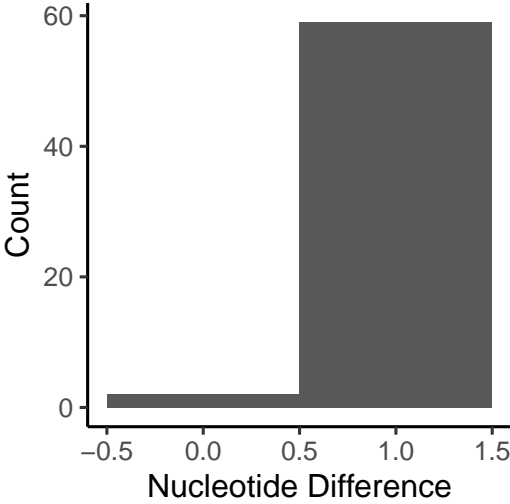
TRBV6-56\*ap01

5070 sequences assigned  
5024 (99.1%) exact matches, in which:  
4928 unique CDR3  
13 unique J



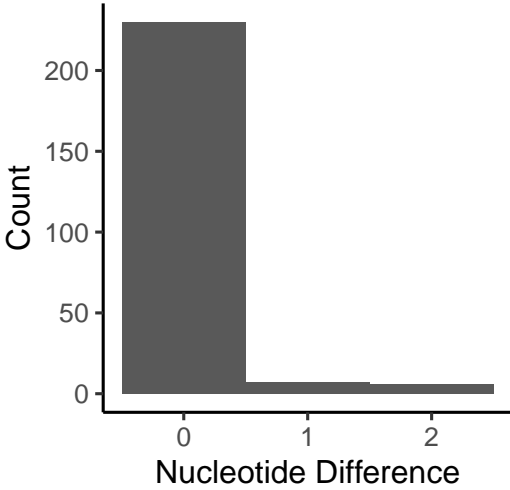
TRBV7-1\*ap01\_T296C\_C

61 sequences assigned  
2 (3.3%) exact matches, in which:  
2 unique CDR3  
2 unique J



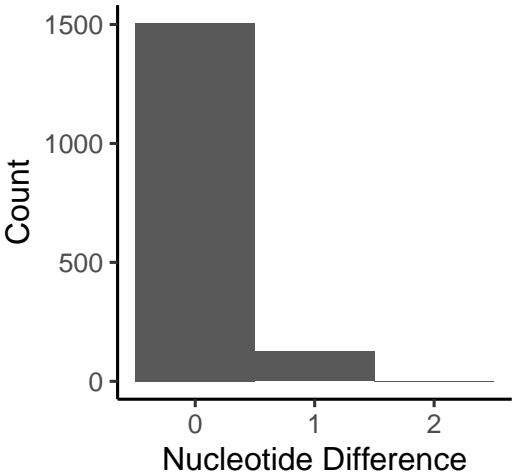
TRBV7-4\*ap01

243 sequences assigned  
230 (94.7%) exact matches, in which:  
228 unique CDR3  
13 unique J



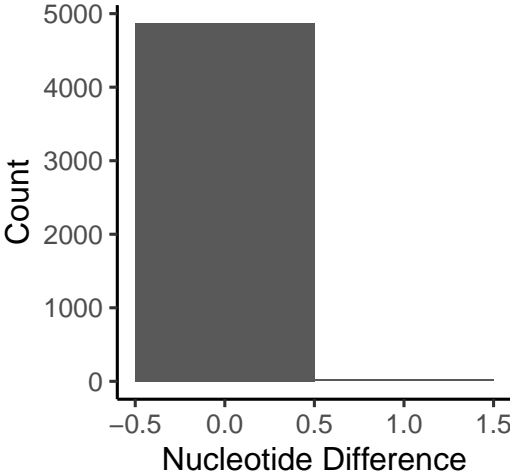
TRBV6-56\*ap02

1632 sequences assigned  
1506 (92.3%) exact matches, in which:  
1478 unique CDR3  
13 unique J



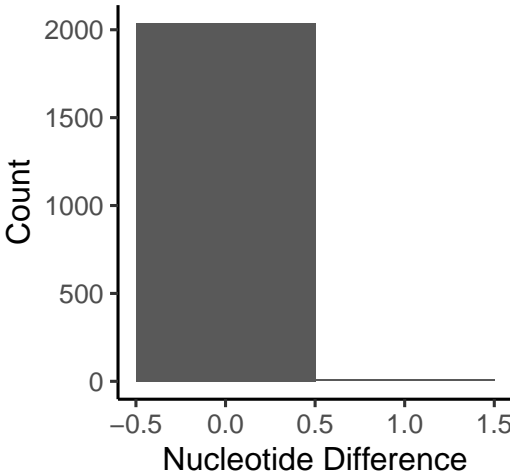
TRBV7-2\*ap01

4899 sequences assigned  
4872 (99.4%) exact matches, in which:  
4826 unique CDR3  
13 unique J



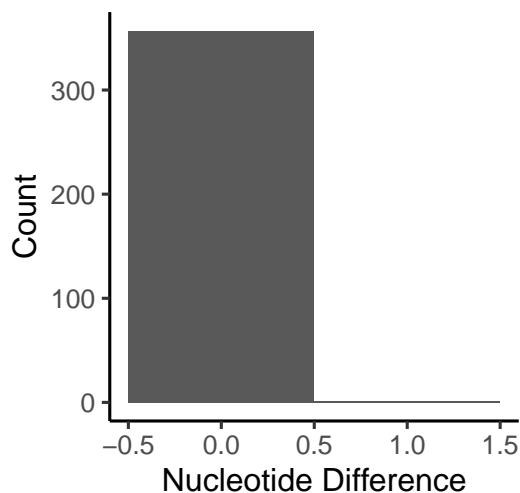
TRBV7-6\*ap01

2048 sequences assigned  
2038 (99.5%) exact matches, in which:  
2025 unique CDR3  
13 unique J



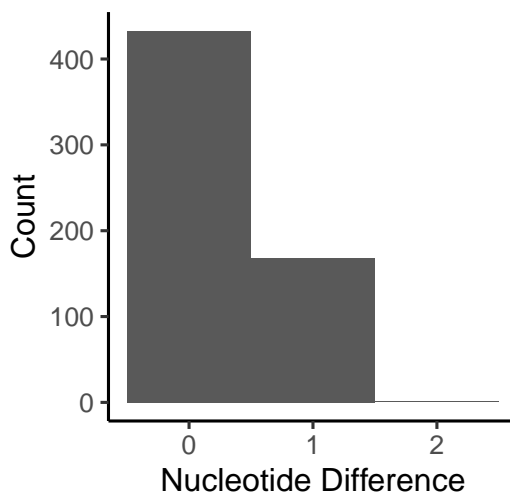
### TRBV7-7\*ap01

358 sequences assigned  
357 (99.7%) exact matches, in which:  
352 unique CDR3  
13 unique J



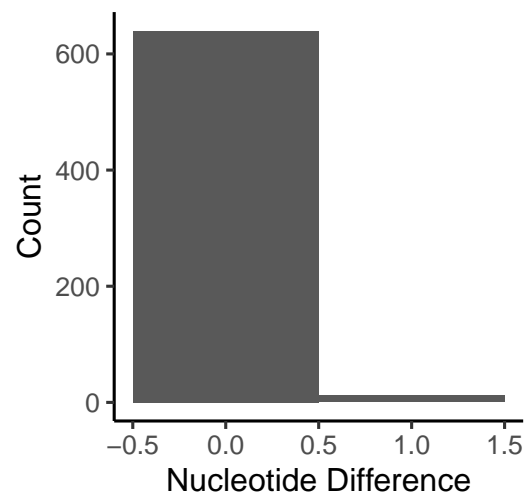
### TRBV7-8\*ap03

602 sequences assigned  
433 (71.9%) exact matches, in which:  
429 unique CDR3  
13 unique J



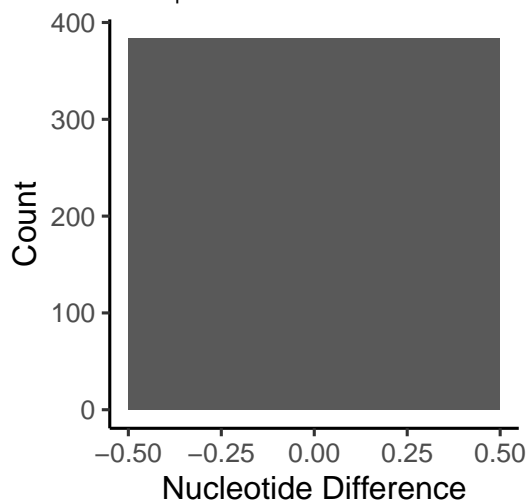
### TRBV29-1\*ap02

652 sequences assigned  
640 (98.2%) exact matches, in which:  
624 unique CDR3  
13 unique J



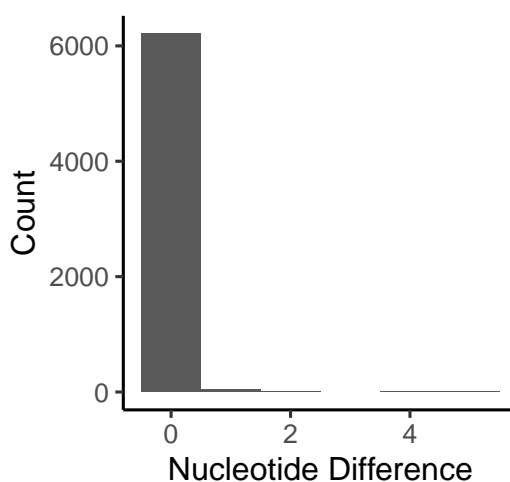
### TRBV7-7\*ap01\_C315T

384 sequences assigned  
384 (100%) exact matches, in which:  
382 unique CDR3  
12 unique J



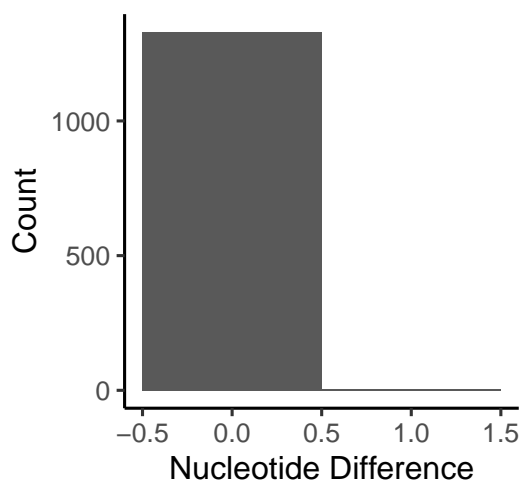
### TRBV7-9\*ap01

6251 sequences assigned  
6211 (99.4%) exact matches, in which:  
6136 unique CDR3  
13 unique J



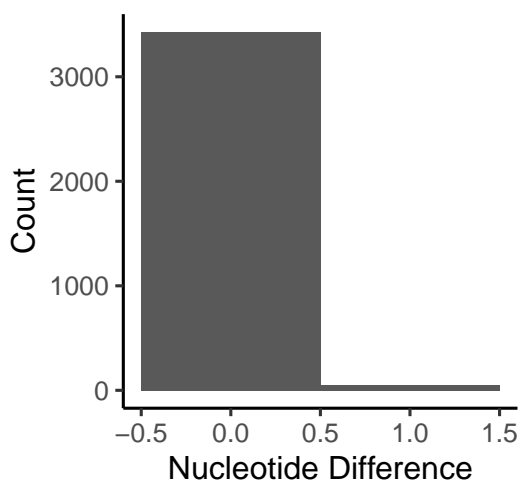
### TRBV7-8\*ap01

1334 sequences assigned  
1330 (99.7%) exact matches, in which:  
1319 unique CDR3  
13 unique J

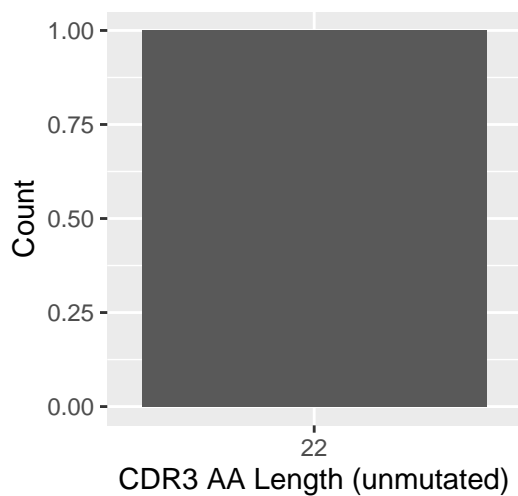


### TRBV29-1\*ap01

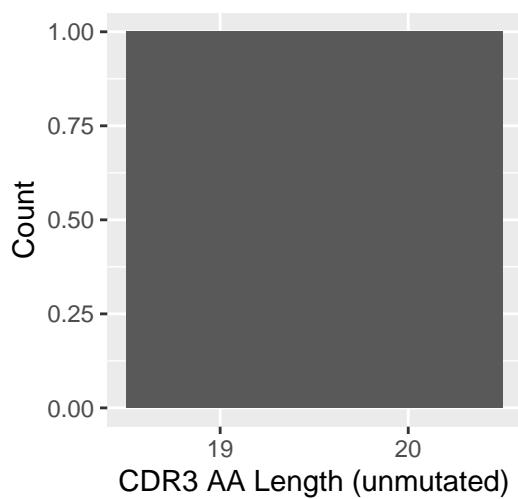
3477 sequences assigned  
3428 (98.6%) exact matches, in which:  
3346 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-1\*ap01\_T296C\_C314T



TRBV7-7\*ap01\_C315T

