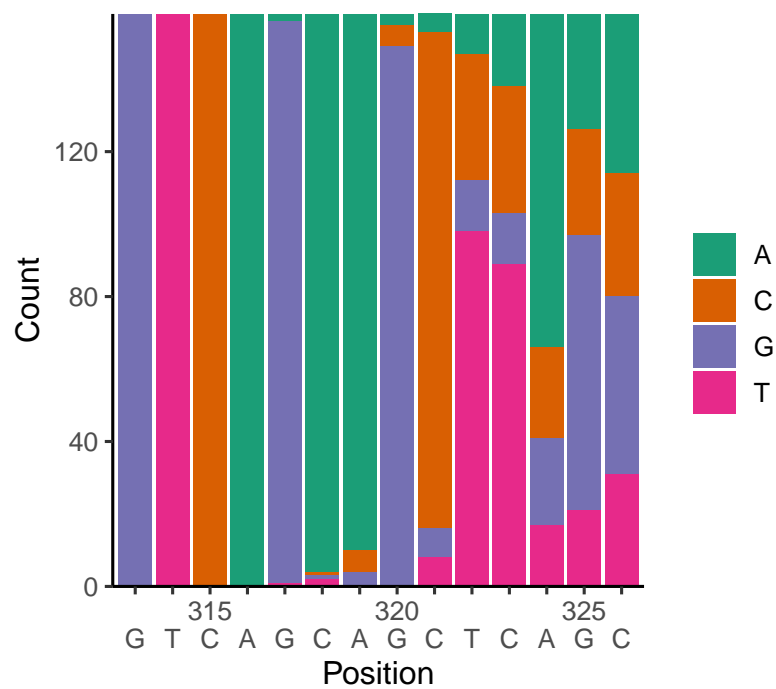
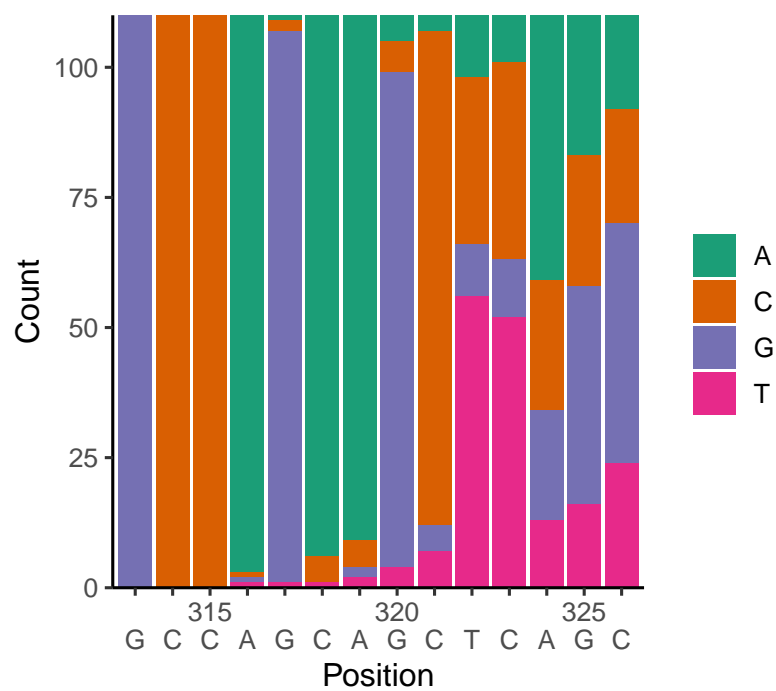


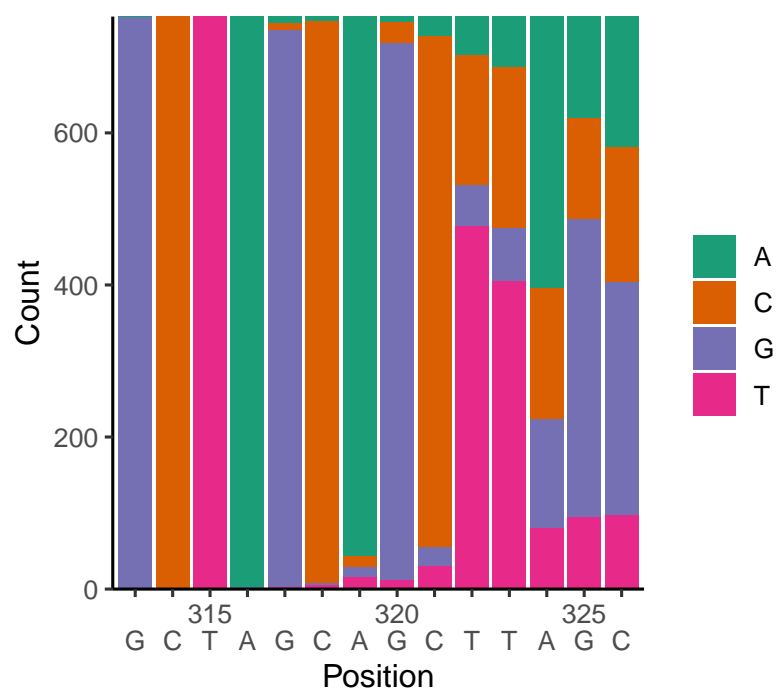
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



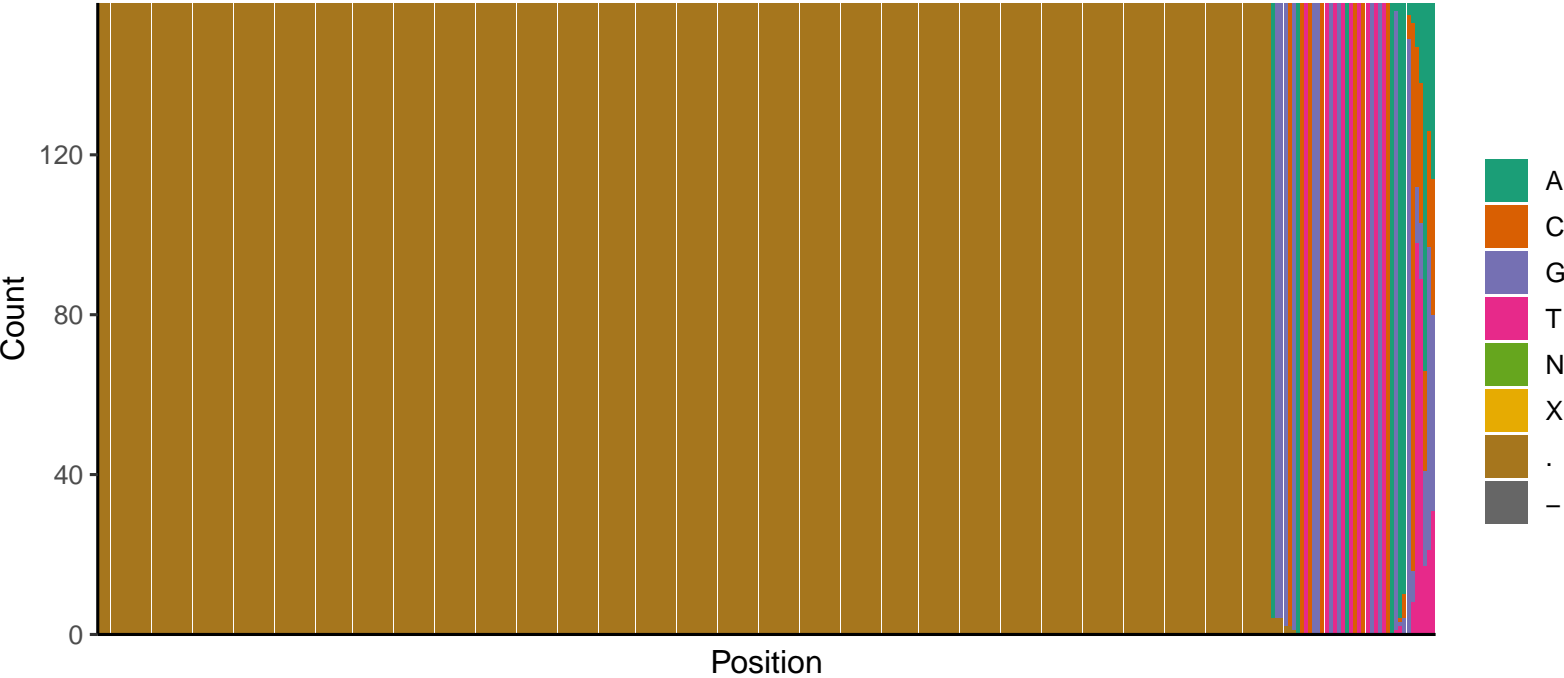
Gene TRBV7-1\*ap01\_G291C\_T296C



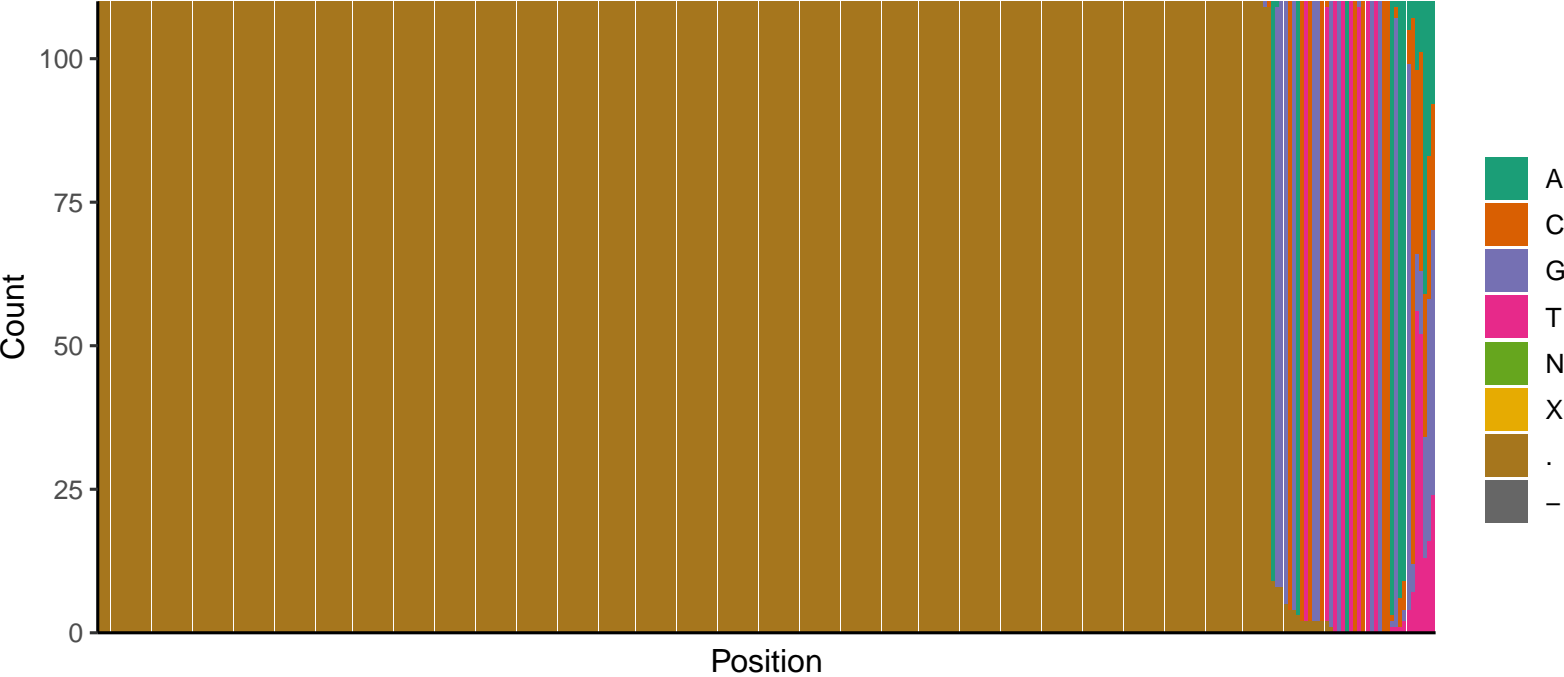
Gene TRBV7-7\*ap01\_C315T



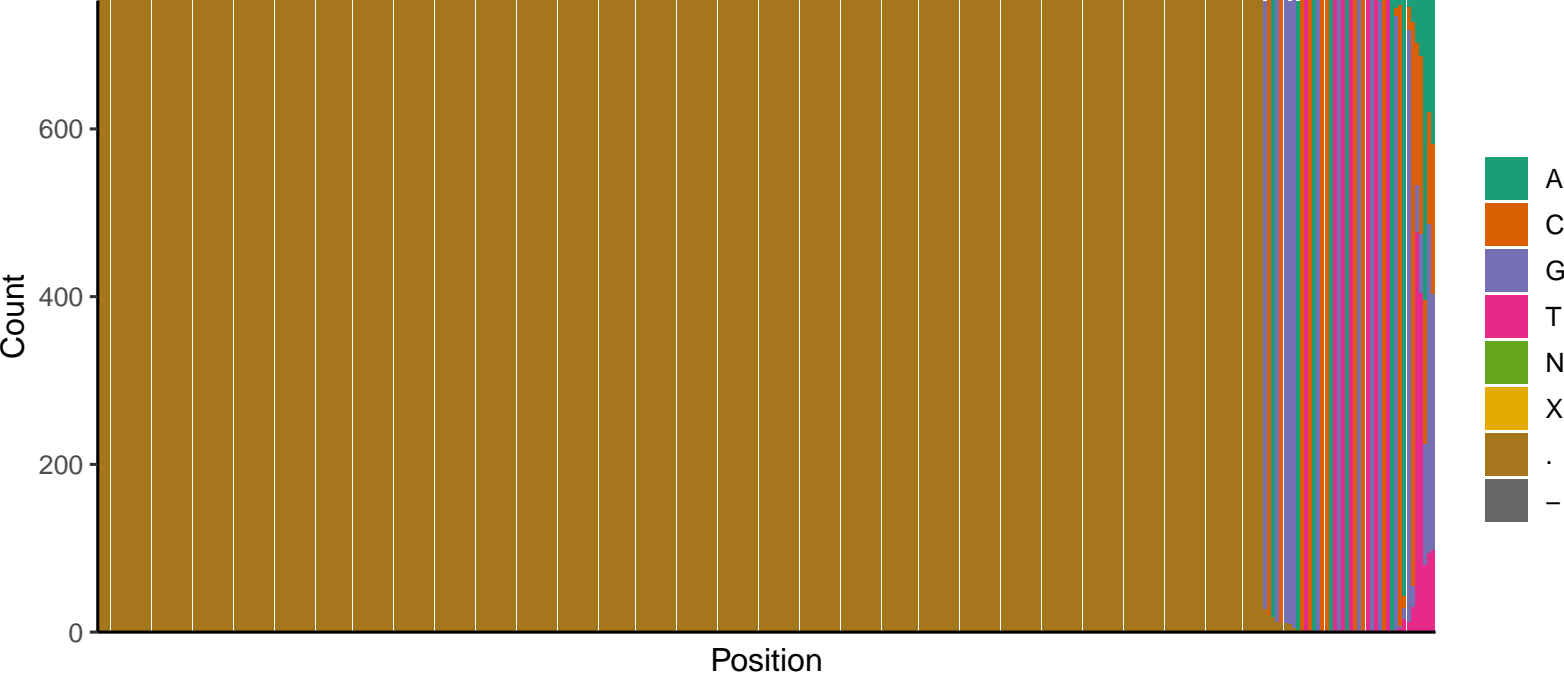
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



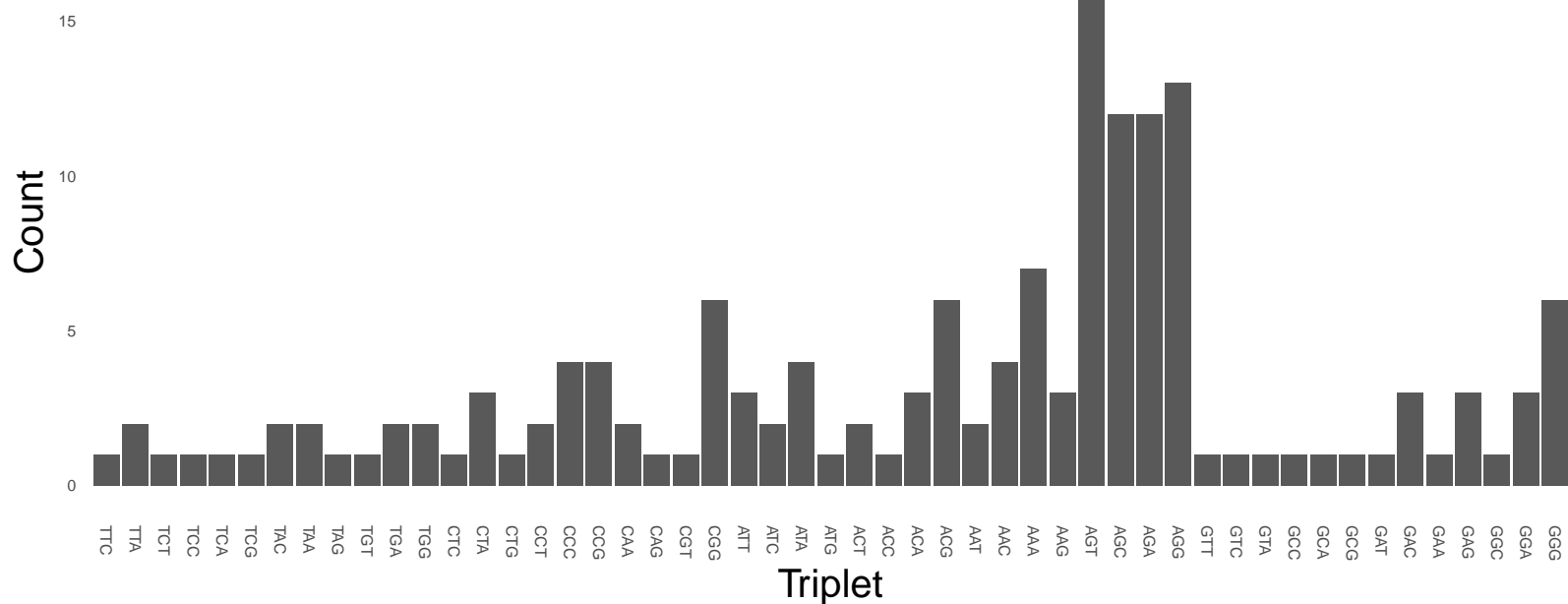
Gene TRBV7-1\*ap01\_G291C\_T296C



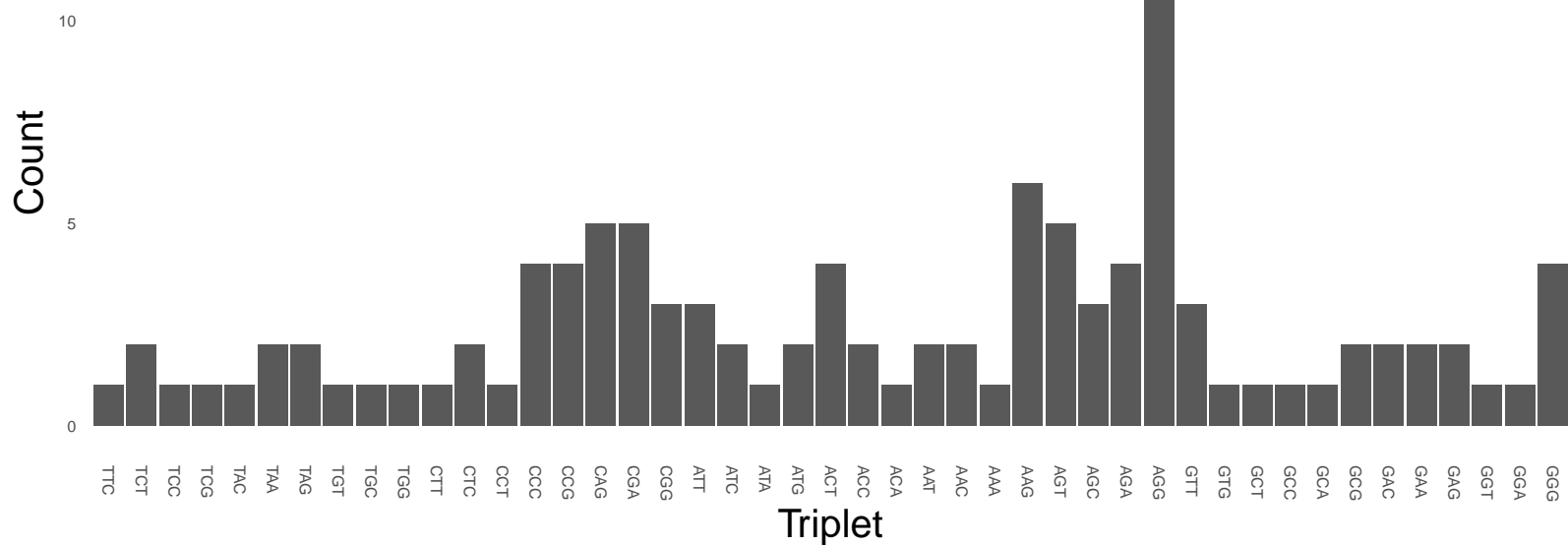
Gene TRBV7-7\*ap01\_C315T



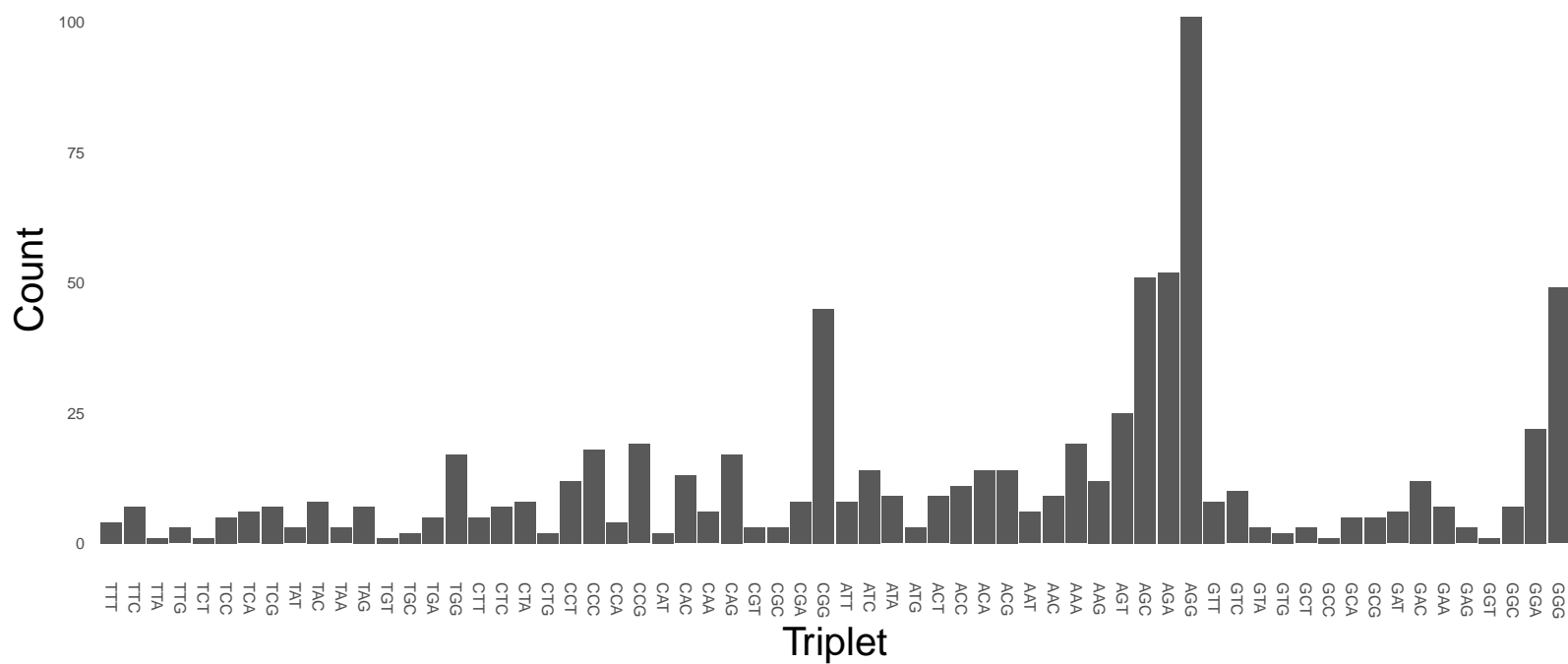
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

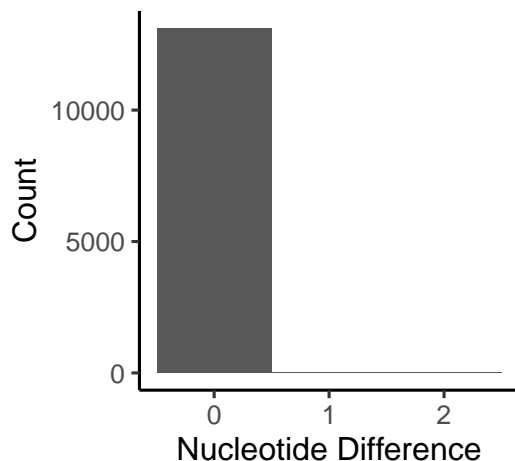


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



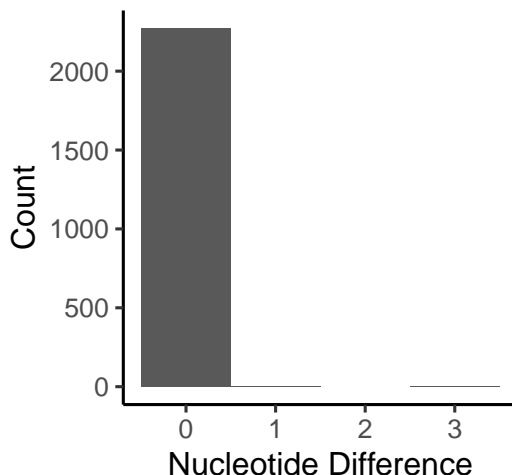
### TRBV20-1\*ap01

13137 sequences assigned  
13118 (99.9%) exact matches, in which:  
13116 unique CDR3  
13 unique J



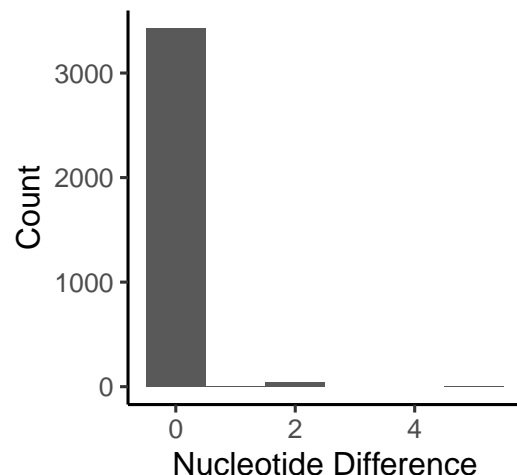
### TRBV10-2\*ap01

2274 sequences assigned  
2271 (99.9%) exact matches, in which:  
2270 unique CDR3  
13 unique J



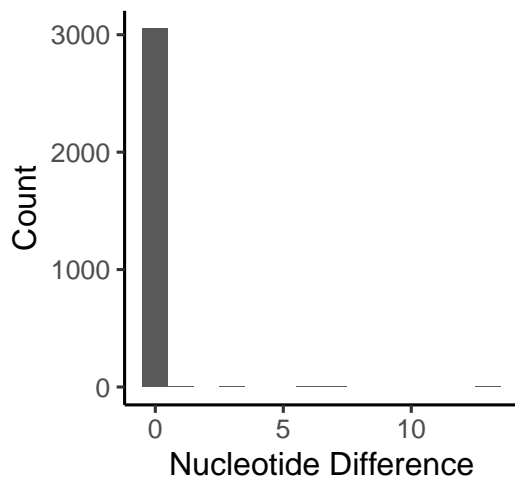
### TRBV13\*ap01

3479 sequences assigned  
3427 (98.5%) exact matches, in which:  
3425 unique CDR3  
13 unique J



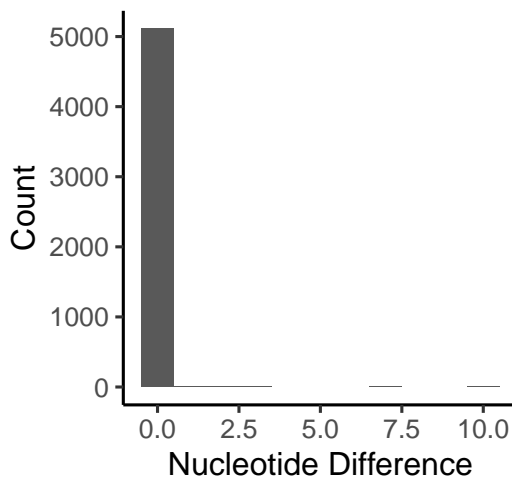
### TRBV10-1\*ap01

3061 sequences assigned  
3051 (99.7%) exact matches, in which:  
3051 unique CDR3  
13 unique J



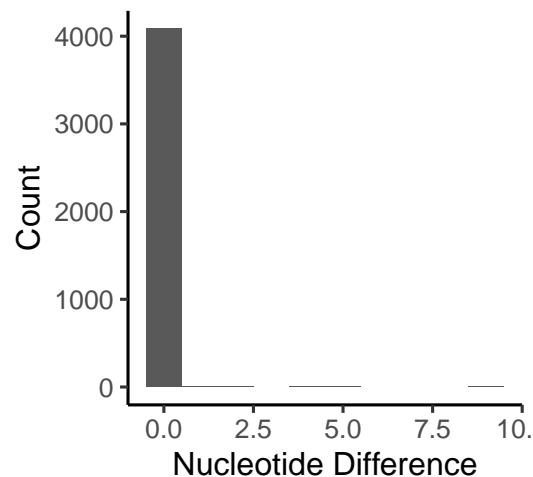
### TRBV10-3\*ap01

5123 sequences assigned  
5112 (99.8%) exact matches, in which:  
5111 unique CDR3  
13 unique J



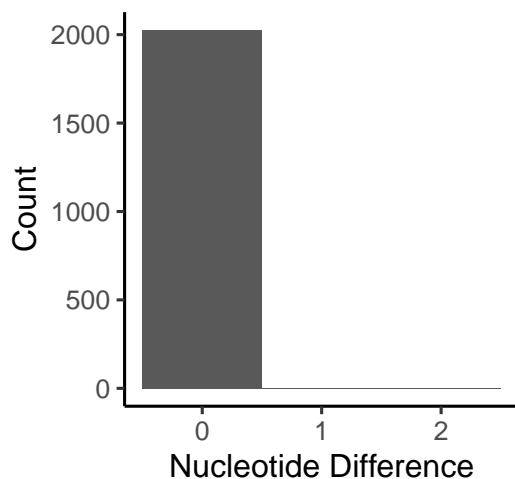
### TRBV14\*ap01

4093 sequences assigned  
4085 (99.8%) exact matches, in which:  
4085 unique CDR3  
13 unique J



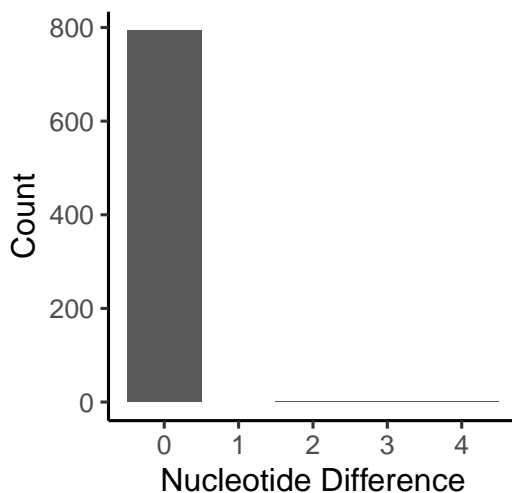
### TRBV20-1\*ap02

2030 sequences assigned  
2026 (99.8%) exact matches, in which:  
2026 unique CDR3  
13 unique J



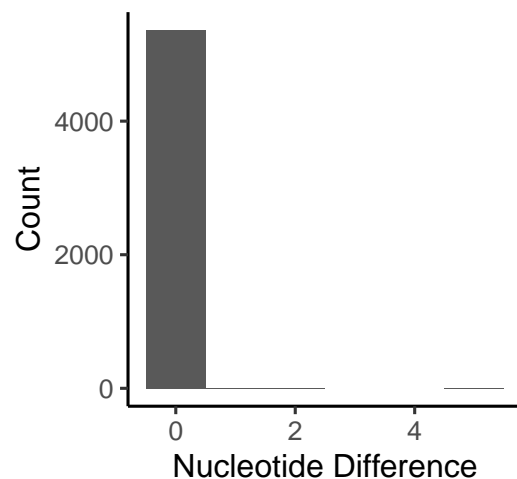
### TRBV1\*ap01

797 sequences assigned  
794 (99.6%) exact matches, in which:  
793 unique CDR3  
13 unique J



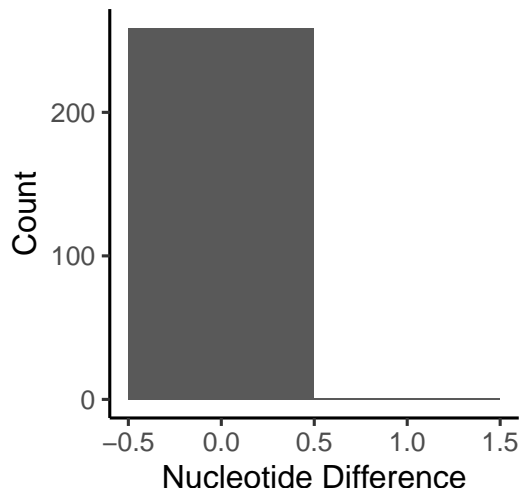
### TRBV15\*ap02

5375 sequences assigned  
5364 (99.8%) exact matches, in which:  
5359 unique CDR3  
13 unique J



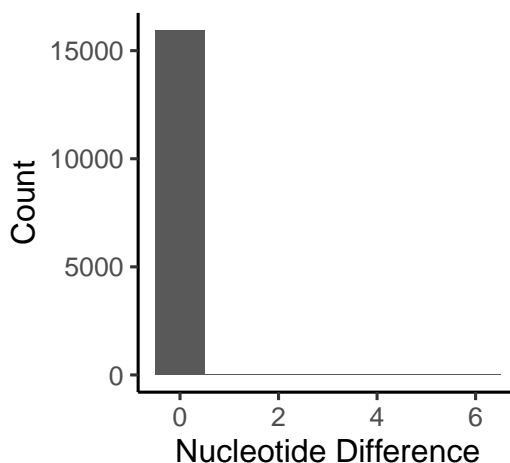
### TRBV16\*ap01

260 sequences assigned  
259 (99.6%) exact matches, in which:  
259 unique CDR3  
13 unique J



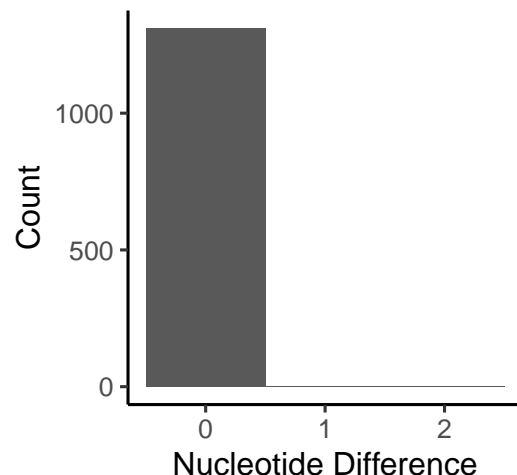
### TRBV2\*ap01

16001 sequences assigned  
15949 (99.7%) exact matches, in which:  
15931 unique CDR3  
13 unique J



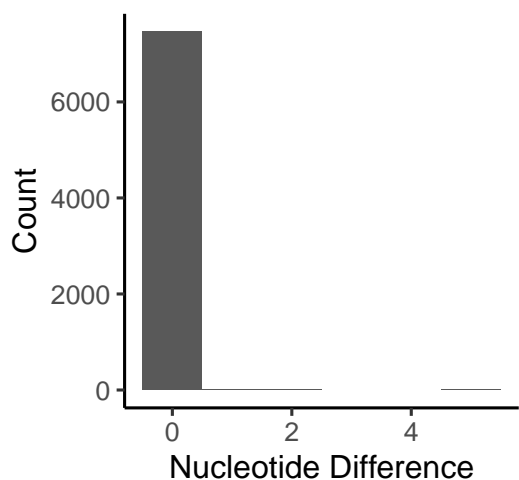
### TRBV28\*ap01

1312 sequences assigned  
1310 (99.8%) exact matches, in which:  
1310 unique CDR3  
13 unique J



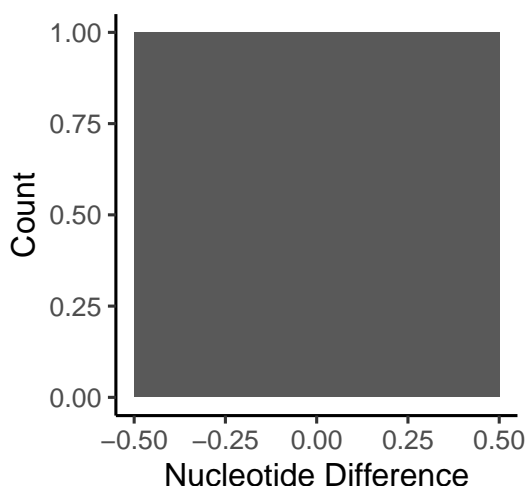
### TRBV18\*ap01

7468 sequences assigned  
7462 (99.9%) exact matches, in which:  
7462 unique CDR3  
13 unique J



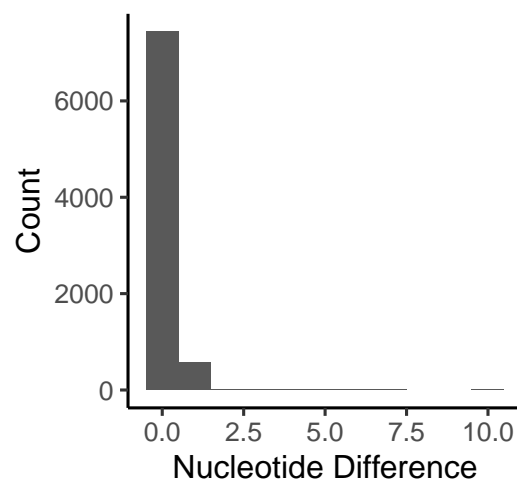
### TRBV26\*ap01

1 sequences assigned  
1 (100%) exact matches, in which:  
1 unique CDR3  
1 unique J



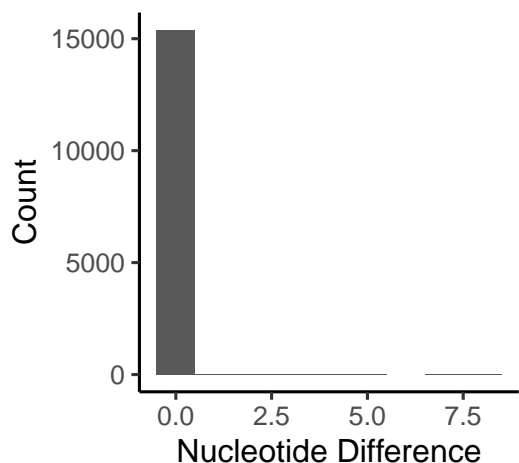
### TRBV30\*ap01

8027 sequences assigned  
7436 (92.6%) exact matches, in which:  
7421 unique CDR3  
13 unique J



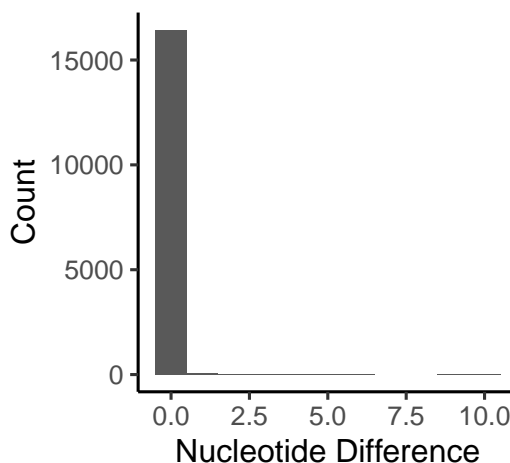
### TRBV19\*ap01

15439 sequences assigned  
15397 (99.7%) exact matches, in which:  
15397 unique CDR3  
13 unique J



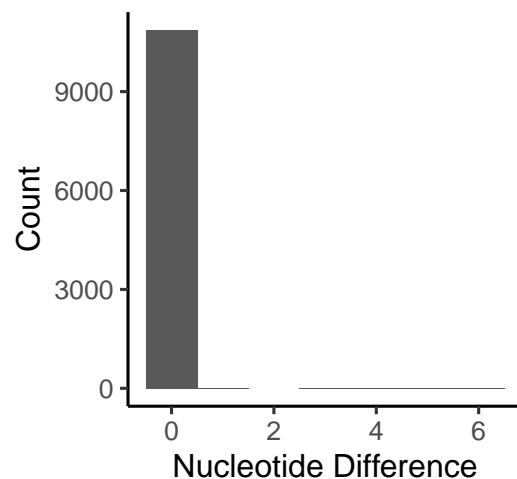
### TRBV27\*ap01

16505 sequences assigned  
16441 (99.6%) exact matches, in which:  
16417 unique CDR3  
13 unique J



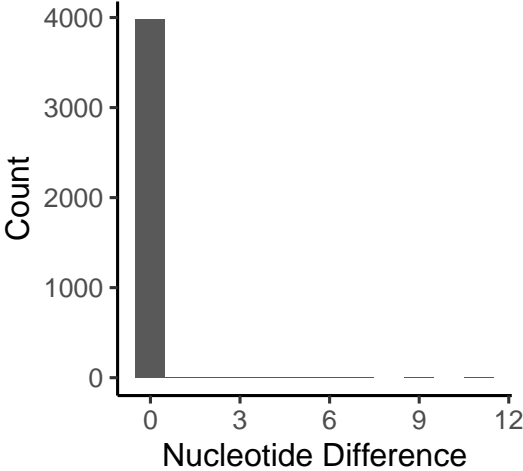
### TRBV9\*ap01

10882 sequences assigned  
10867 (99.9%) exact matches, in which:  
10861 unique CDR3  
13 unique J



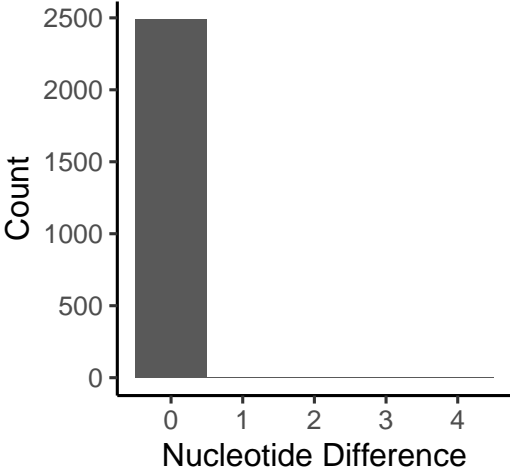
TRBV21-1\*ap01

4014 sequences assigned  
3979 (99.1%) exact matches, in which:  
3979 unique CDR3  
13 unique J



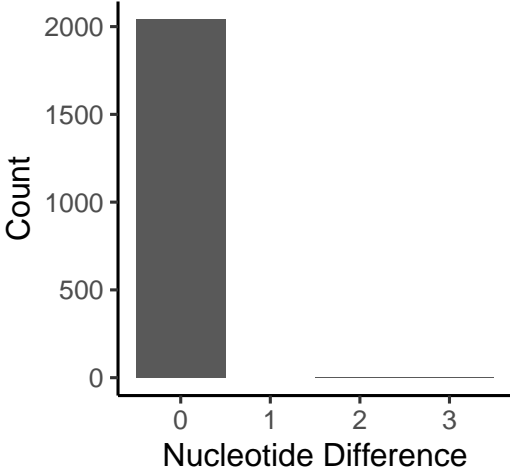
TRBV11-3\*ap01

2499 sequences assigned  
2489 (99.6%) exact matches, in which:  
2489 unique CDR3  
13 unique J



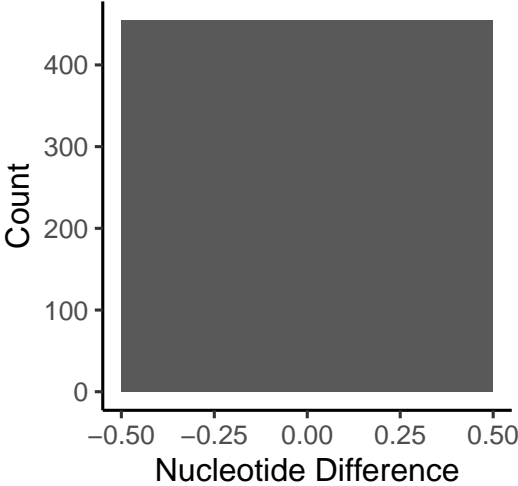
TRBV12-5\*ap01

2043 sequences assigned  
2041 (99.9%) exact matches, in which:  
2041 unique CDR3  
13 unique J



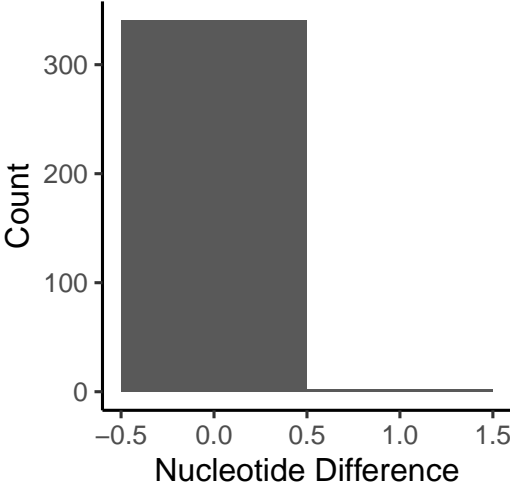
TRBV11-1\*ap01

455 sequences assigned  
455 (100%) exact matches, in which:  
455 unique CDR3  
13 unique J



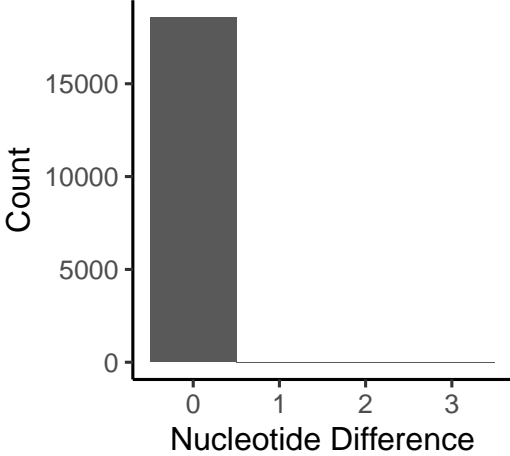
TRBV12-1\*ap01

343 sequences assigned  
341 (99.4%) exact matches, in which:  
341 unique CDR3  
13 unique J



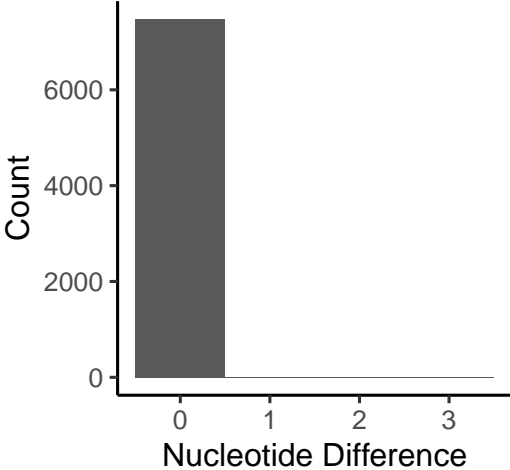
TRBV12-34\*ap01

18596 sequences assigned  
18569 (99.9%) exact matches, in which:  
18568 unique CDR3  
13 unique J



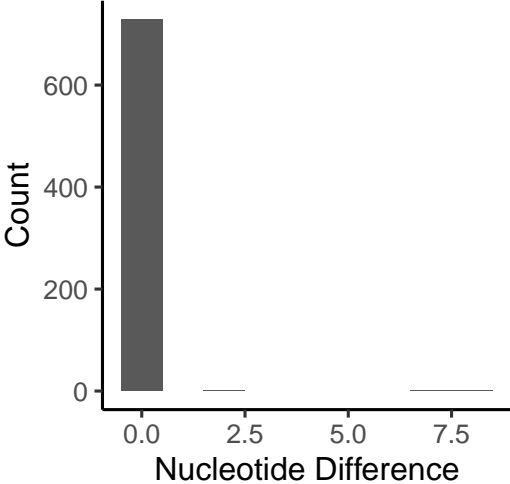
TRBV11-2\*ap01

7492 sequences assigned  
7477 (99.8%) exact matches, in which:  
7476 unique CDR3  
13 unique J



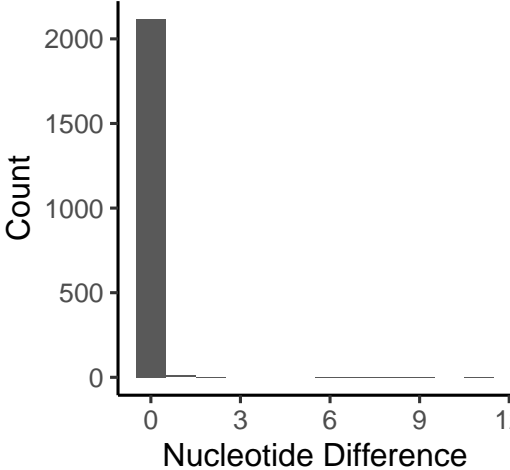
TRBV12-2\*ap01

732 sequences assigned  
729 (99.6%) exact matches, in which:  
729 unique CDR3  
13 unique J



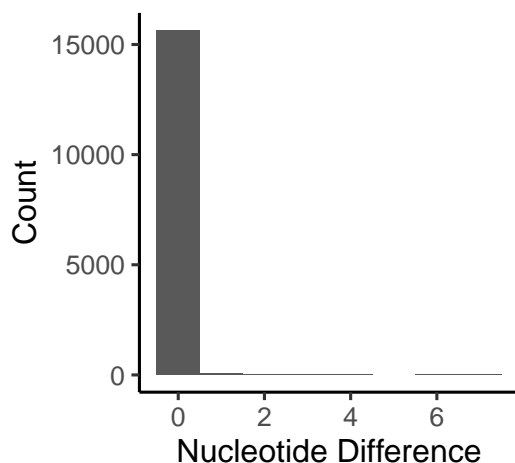
TRBV23-1\*ap01

2134 sequences assigned  
2117 (99.2%) exact matches, in which:  
2117 unique CDR3  
13 unique J



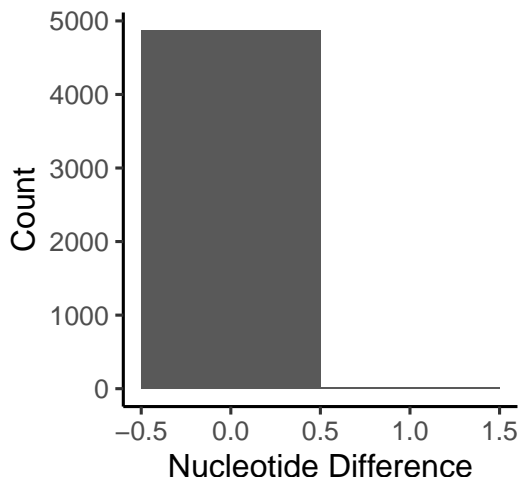
### TRBV3-12\*ap01

15724 sequences assigned  
15651 (99.5%) exact matches, in which:  
15628 unique CDR3  
13 unique J



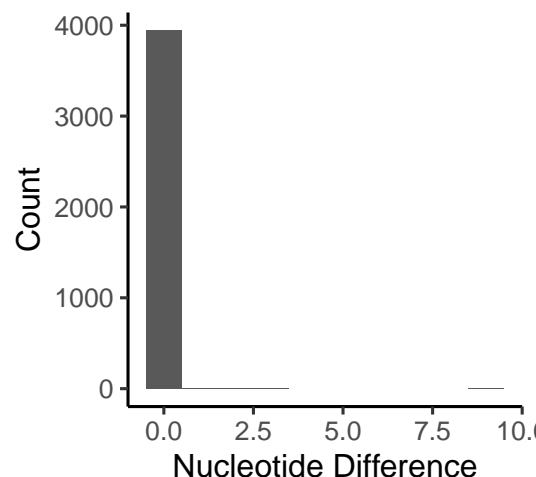
### TRBV4-2\*ap01

4887 sequences assigned  
4871 (99.7%) exact matches, in which:  
4870 unique CDR3  
13 unique J



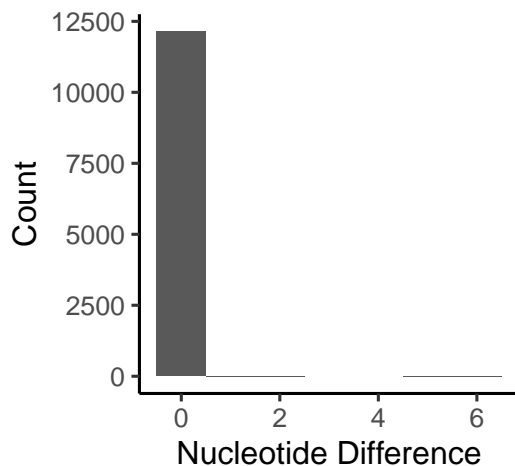
### TRBV25-1\*ap01

3956 sequences assigned  
3943 (99.7%) exact matches, in which:  
3937 unique CDR3  
13 unique J



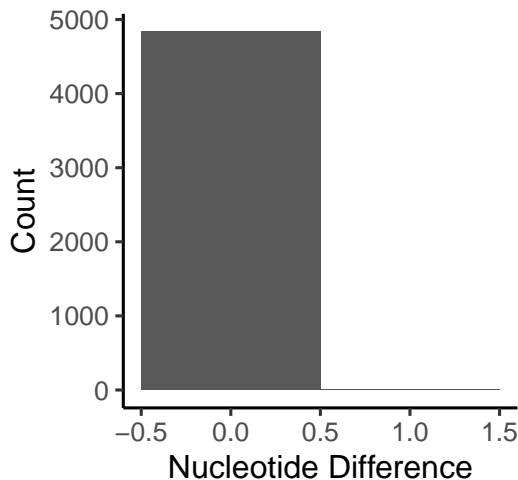
### TRBV4-1\*ap01

12164 sequences assigned  
12144 (99.8%) exact matches, in which:  
12139 unique CDR3  
13 unique J



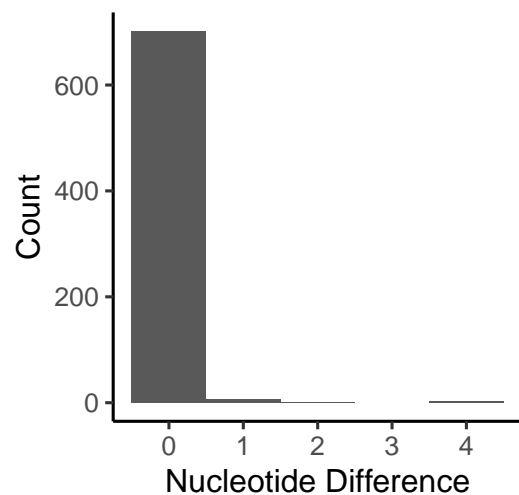
### TRBV4-3\*ap01

4837 sequences assigned  
4835 (100%) exact matches, in which:  
4835 unique CDR3  
13 unique J



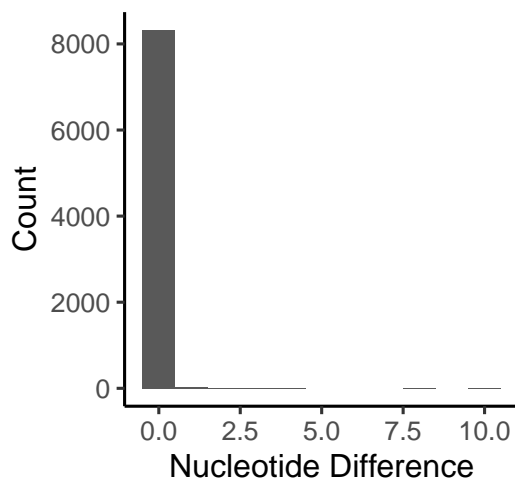
### TRBV5-3\*ap01

711 sequences assigned  
702 (98.7%) exact matches, in which:  
702 unique CDR3  
13 unique J



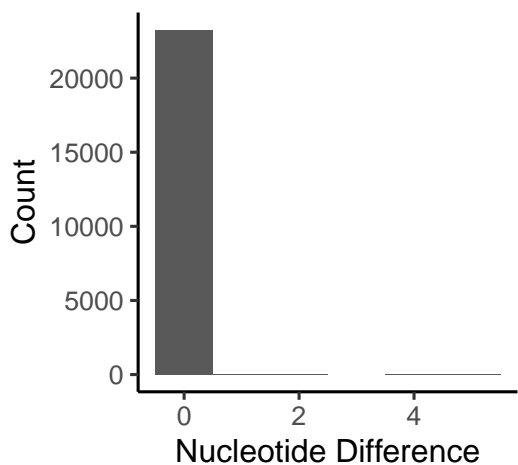
### TRBV24-1\*ap01

8363 sequences assigned  
8322 (99.5%) exact matches, in which:  
8310 unique CDR3  
13 unique J



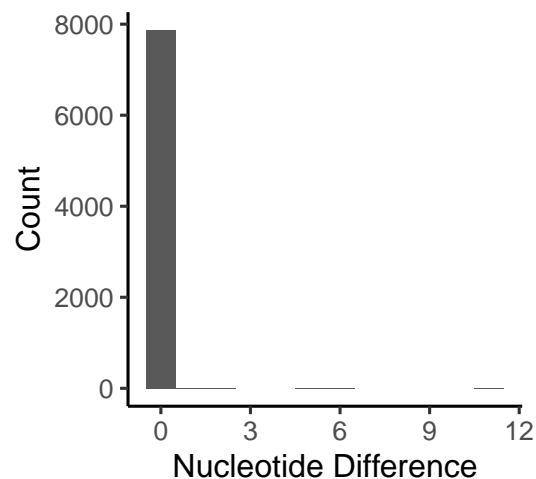
### TRBV5-1\*ap01

23292 sequences assigned  
23260 (99.9%) exact matches, in which:  
23233 unique CDR3  
13 unique J



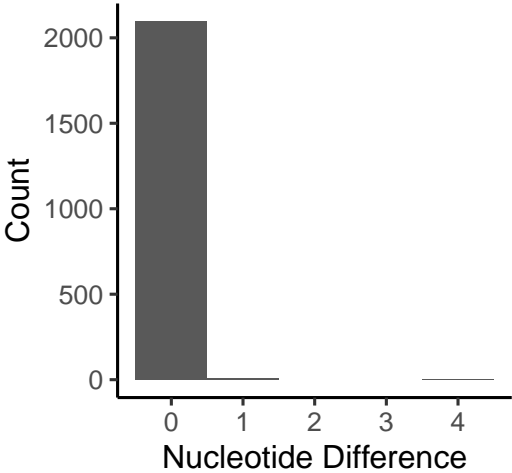
### TRBV5-4\*ap01

7885 sequences assigned  
7871 (99.8%) exact matches, in which:  
7868 unique CDR3  
13 unique J



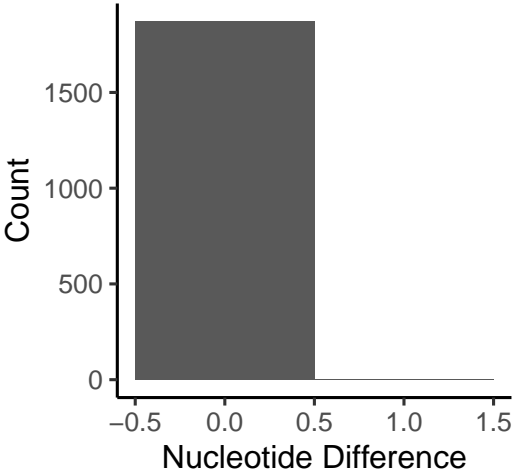
TRBV5-5\*ap01

2104 sequences assigned  
2096 (99.6%) exact matches, in which:  
2096 unique CDR3  
13 unique J



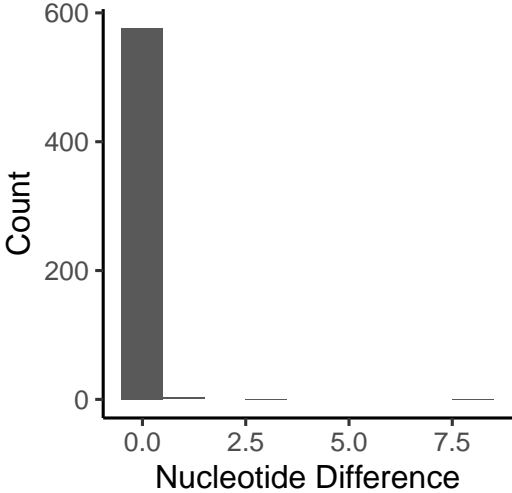
TRBV5-8\*ap01

1875 sequences assigned  
1871 (99.8%) exact matches, in which:  
1871 unique CDR3  
13 unique J



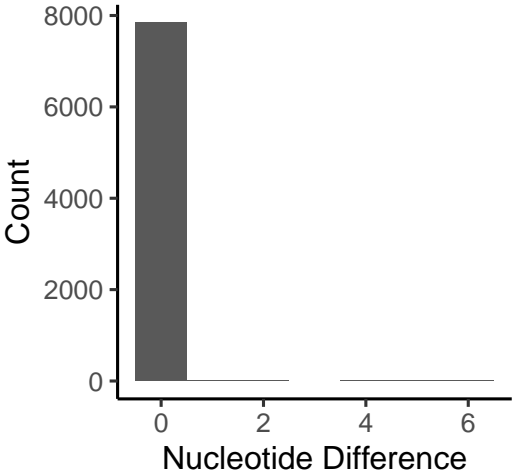
TRBV6-7\*ap01

582 sequences assigned  
577 (99.1%) exact matches, in which:  
577 unique CDR3  
13 unique J



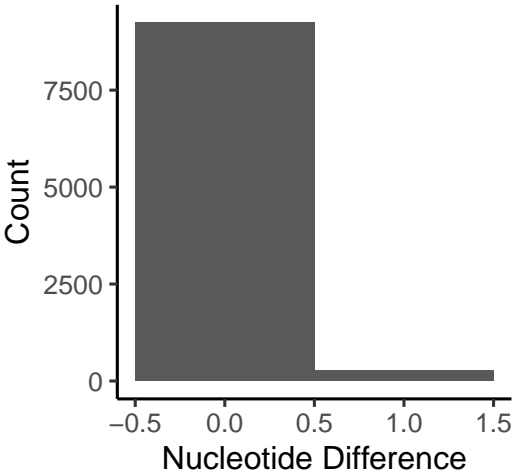
TRBV5-6\*ap01

7861 sequences assigned  
7842 (99.8%) exact matches, in which:  
7829 unique CDR3  
13 unique J



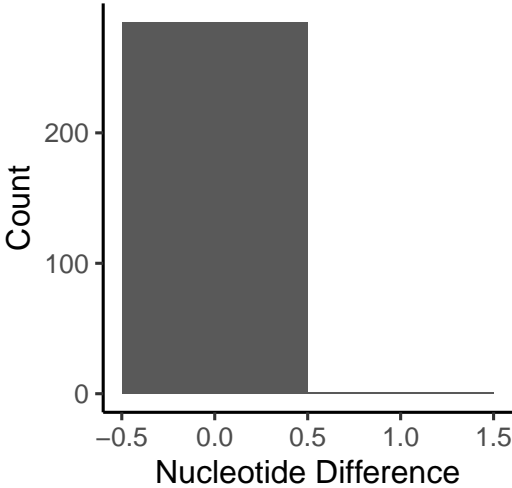
TRBV6-1\*ap01

9502 sequences assigned  
9238 (97.2%) exact matches, in which:  
9235 unique CDR3  
13 unique J



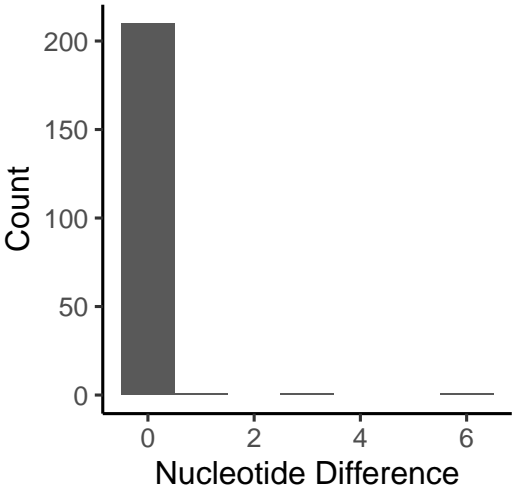
TRBV6-8\*ap01

286 sequences assigned  
285 (99.7%) exact matches, in which:  
285 unique CDR3  
13 unique J



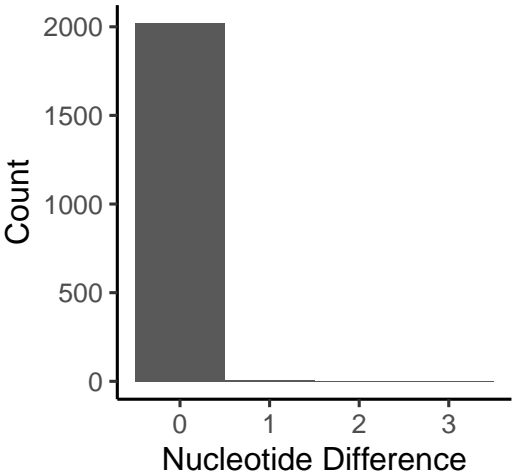
TRBV5-7\*ap01

213 sequences assigned  
210 (98.6%) exact matches, in which:  
209 unique CDR3  
13 unique J



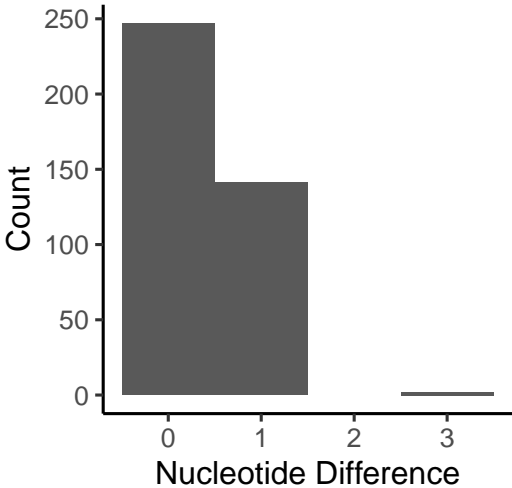
TRBV6-4\*ap01

2032 sequences assigned  
2021 (99.5%) exact matches, in which:  
2020 unique CDR3  
13 unique J



TRBV6-9\*ap01

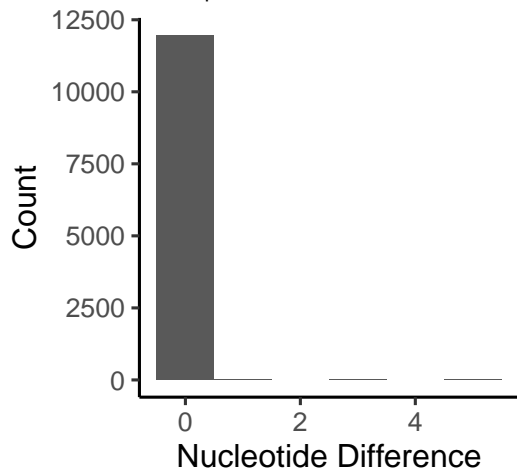
390 sequences assigned  
247 (63.3%) exact matches, in which:  
247 unique CDR3  
13 unique J





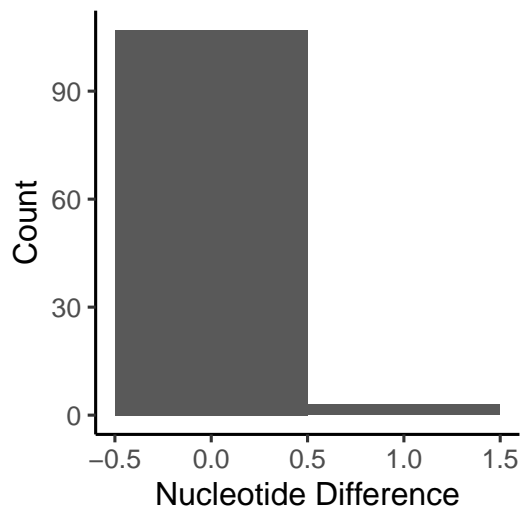
### TRBV6-23\*ap01

11986 sequences assigned  
11966 (99.8%) exact matches, in which:  
11948 unique CDR3  
13 unique J



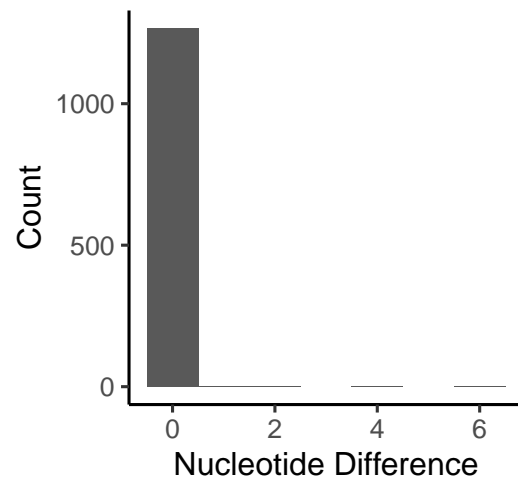
### TRBV7-1\*ap01\_G291C\_T

110 sequences assigned  
107 (97.3%) exact matches, in which:  
107 unique CDR3  
12 unique J



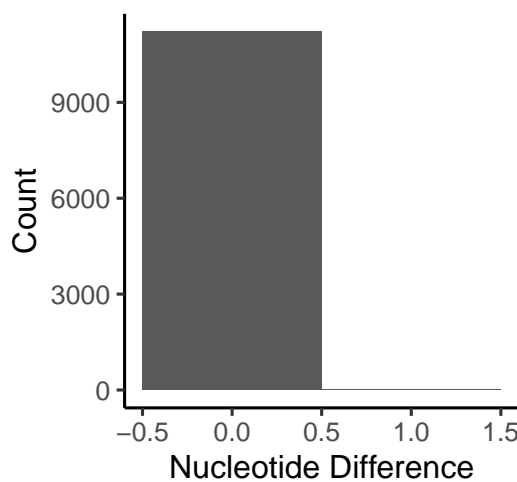
### TRBV7-3\*ap02

1272 sequences assigned  
1266 (99.5%) exact matches, in which:  
1266 unique CDR3  
13 unique J



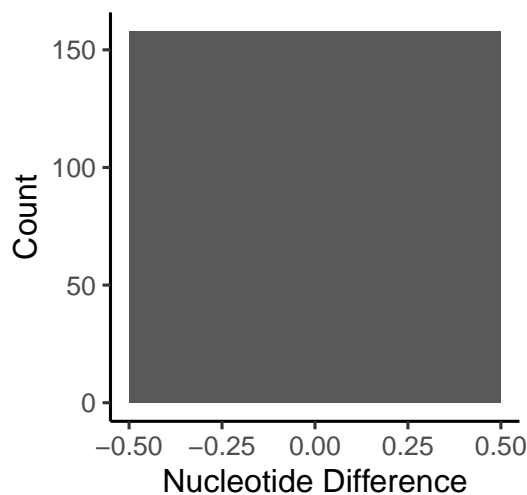
### TRBV6-56\*ap01

11229 sequences assigned  
11210 (99.8%) exact matches, in which:  
11200 unique CDR3  
13 unique J



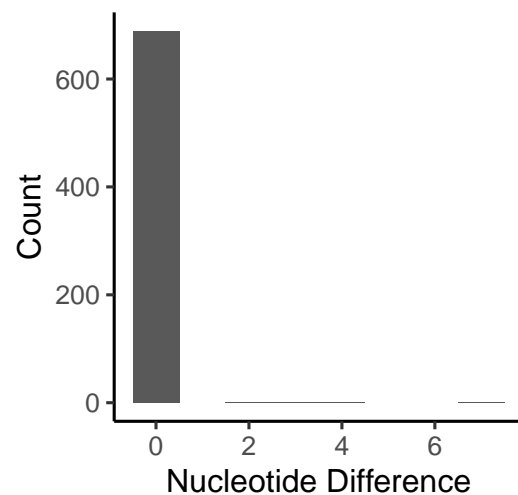
### TRBV7-1\*ap01\_G291C\_

158 sequences assigned  
158 (100%) exact matches, in which:  
158 unique CDR3  
12 unique J



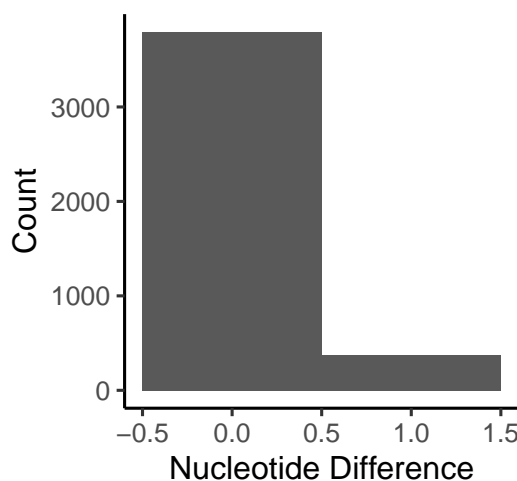
### TRBV7-3\*ap03

693 sequences assigned  
689 (99.4%) exact matches, in which:  
689 unique CDR3  
13 unique J



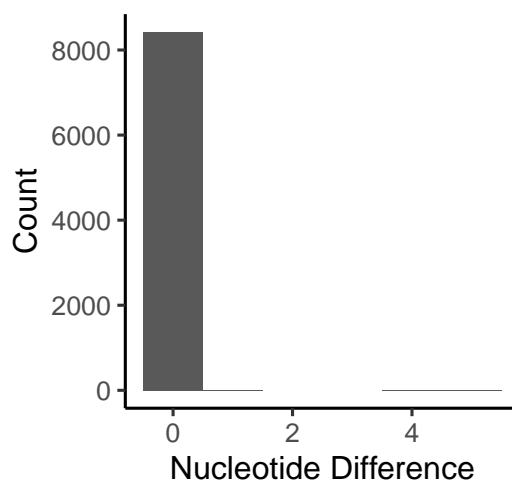
### TRBV6-56\*ap02

4165 sequences assigned  
3793 (91.1%) exact matches, in which:  
3791 unique CDR3  
13 unique J



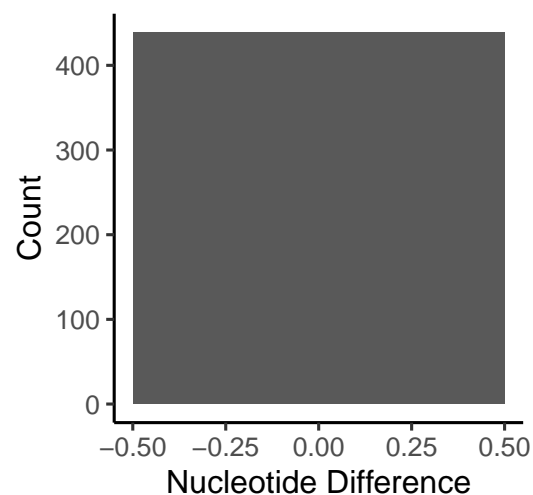
### TRBV7-2\*ap01

8433 sequences assigned  
8422 (99.9%) exact matches, in which:  
8420 unique CDR3  
13 unique J



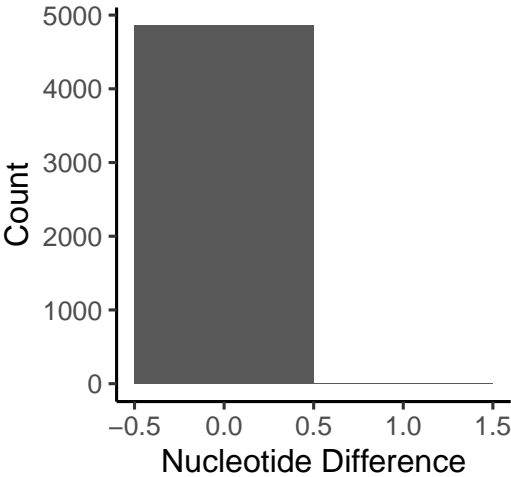
### TRBV7-4\*ap01

439 sequences assigned  
439 (100%) exact matches, in which:  
439 unique CDR3  
13 unique J



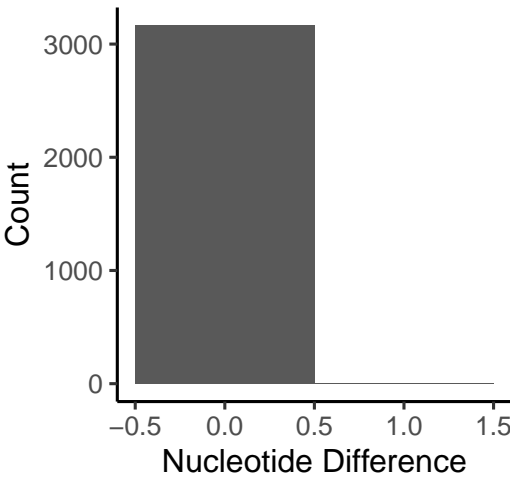
TRBV7-6\*ap01

4868 sequences assigned  
4860 (99.8%) exact matches, in which:  
4860 unique CDR3  
13 unique J



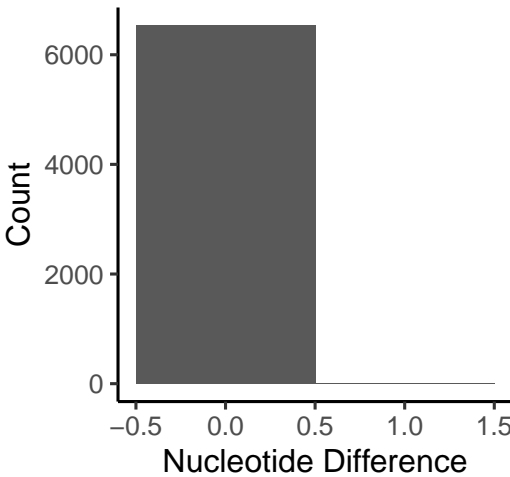
TRBV7-8\*ap01

3168 sequences assigned  
3165 (99.9%) exact matches, in which:  
3164 unique CDR3  
13 unique J



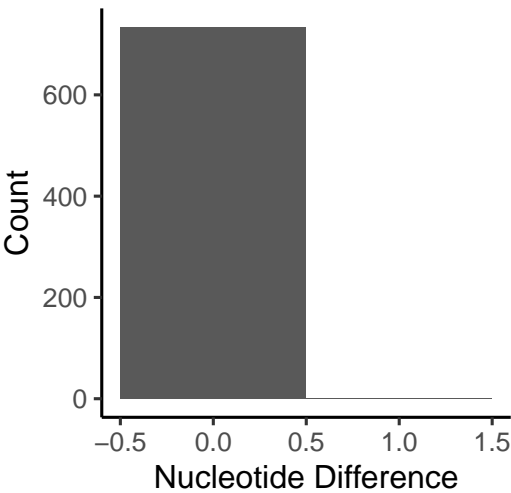
TRBV29-1\*ap01

6551 sequences assigned  
6535 (99.8%) exact matches, in which:  
6519 unique CDR3  
13 unique J



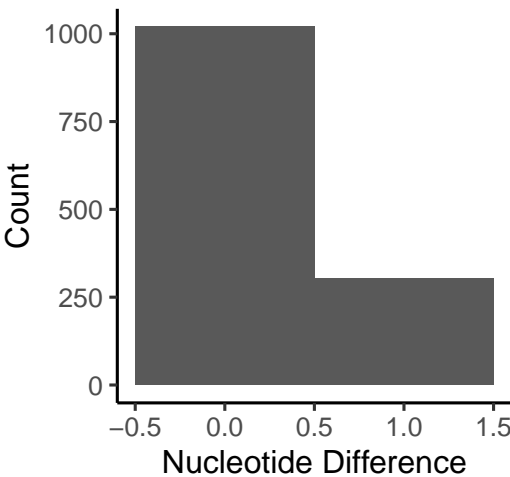
TRBV7-7\*ap01

735 sequences assigned  
734 (99.9%) exact matches, in which:  
733 unique CDR3  
13 unique J



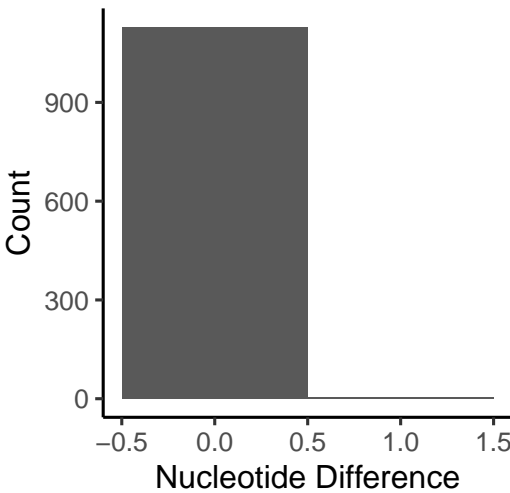
TRBV7-8\*ap03

1323 sequences assigned  
1020 (77.1%) exact matches, in which:  
1020 unique CDR3  
13 unique J



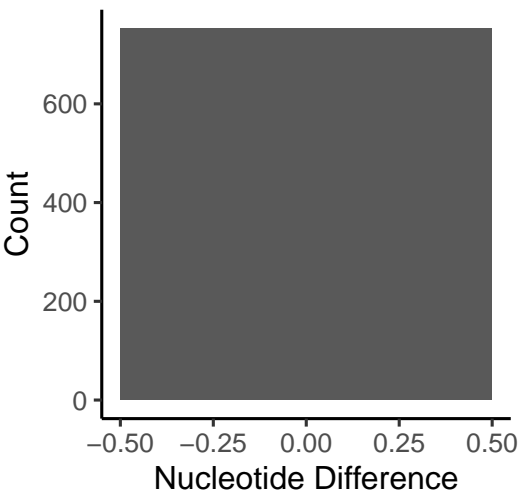
TRBV29-1\*ap02

1134 sequences assigned  
1129 (99.6%) exact matches, in which:  
1128 unique CDR3  
13 unique J



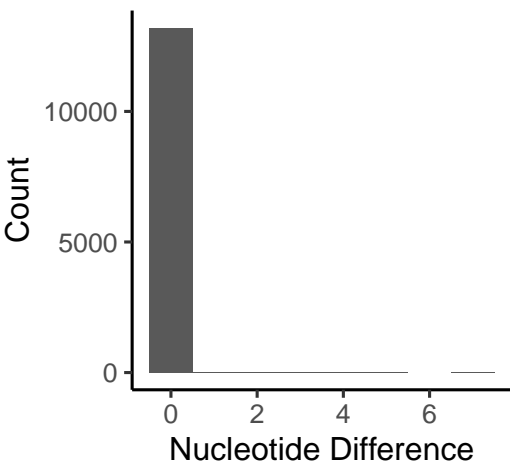
TRBV7-7\*ap01\_C315T

753 sequences assigned  
753 (100%) exact matches, in which:  
753 unique CDR3  
13 unique J

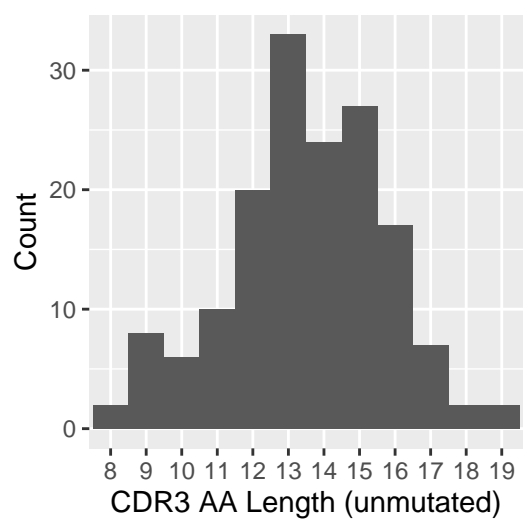


TRBV7-9\*ap01

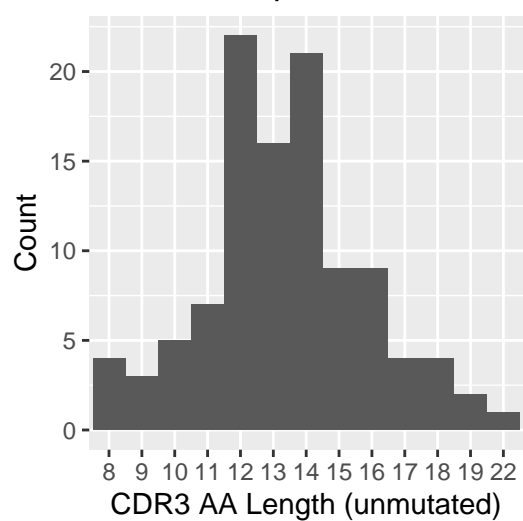
13223 sequences assigned  
13202 (99.8%) exact matches, in which:  
13201 unique CDR3  
13 unique J



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



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

