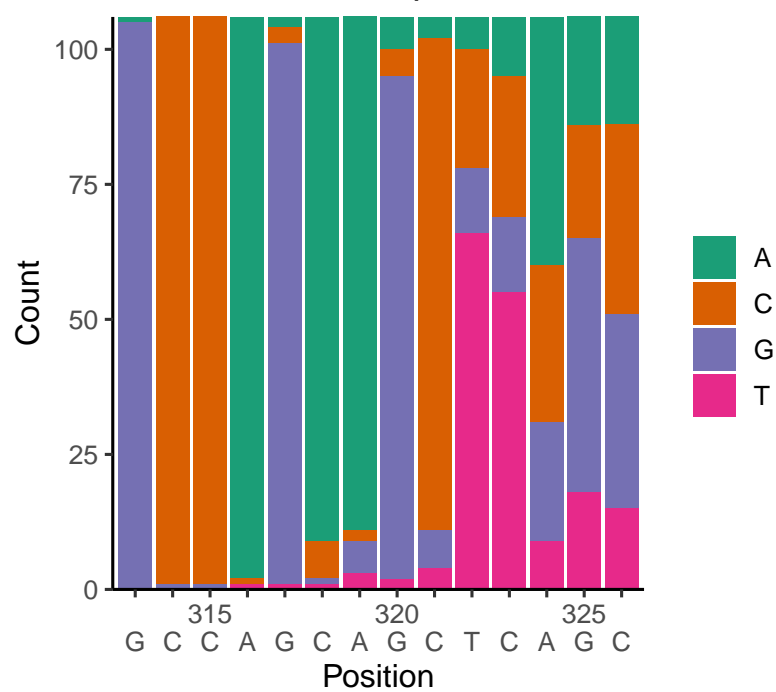
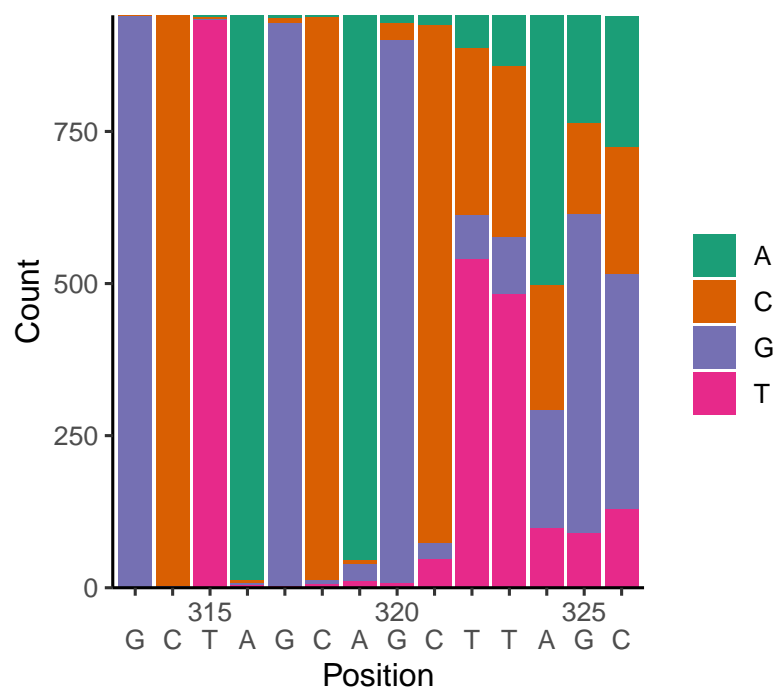


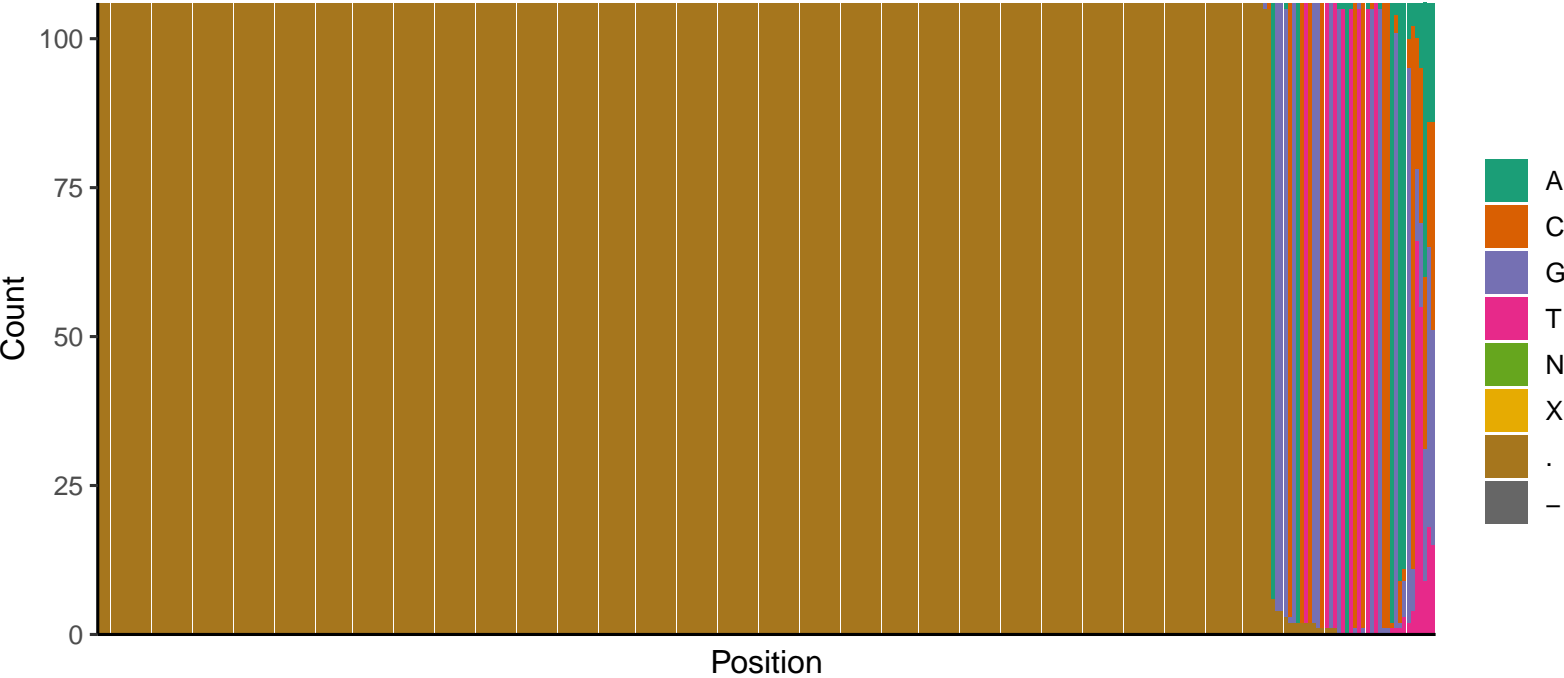
Gene TRBV7-1\*ap01\_G291C\_T296C



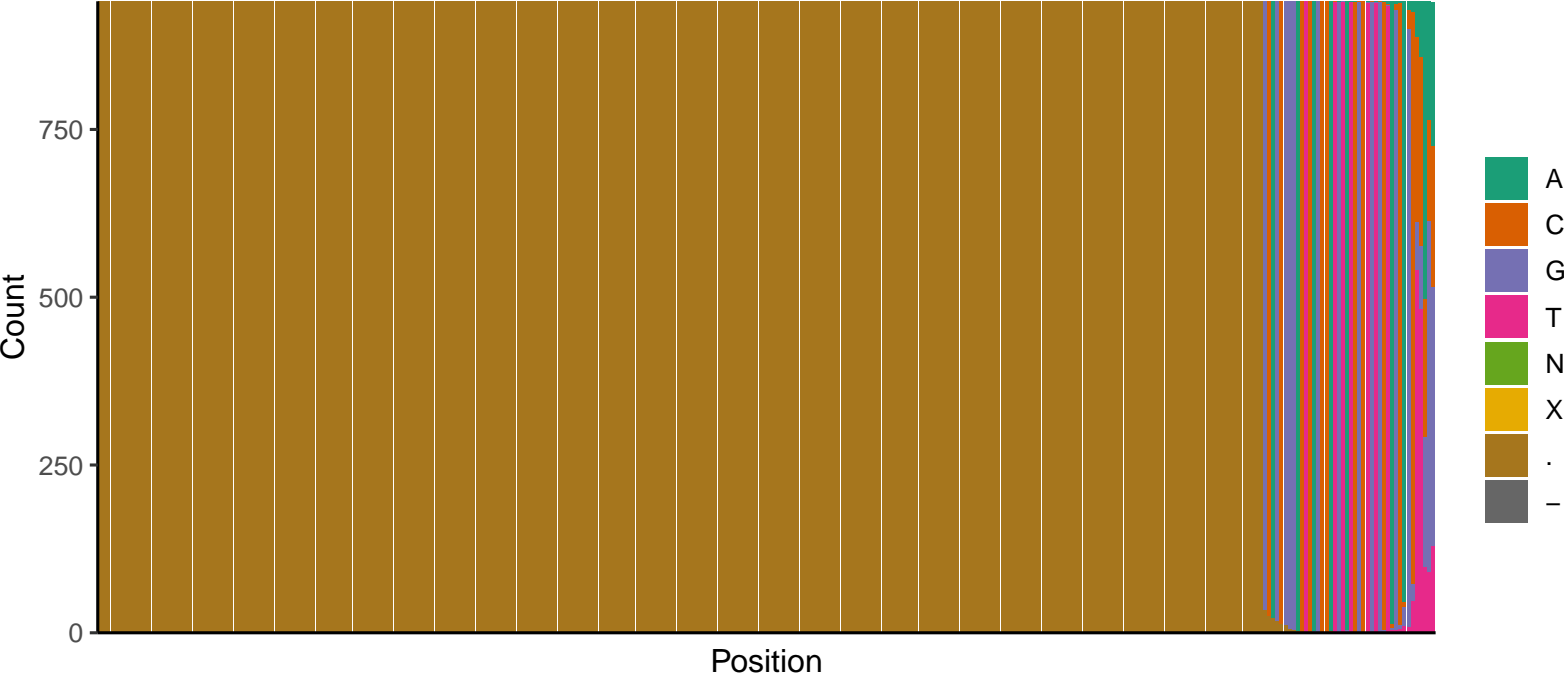
Gene TRBV7-7\*ap01\_C315T



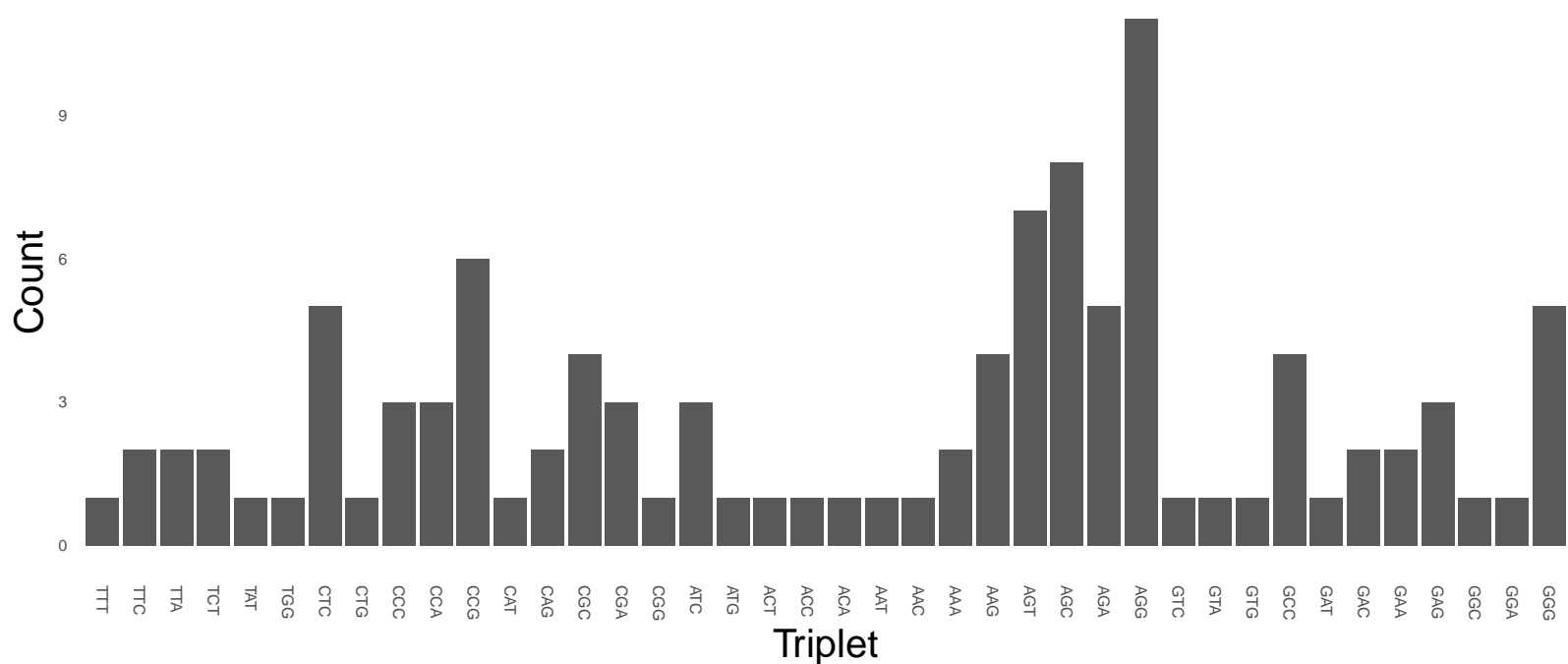
Gene TRBV7-1\*ap01\_G291C\_T296C



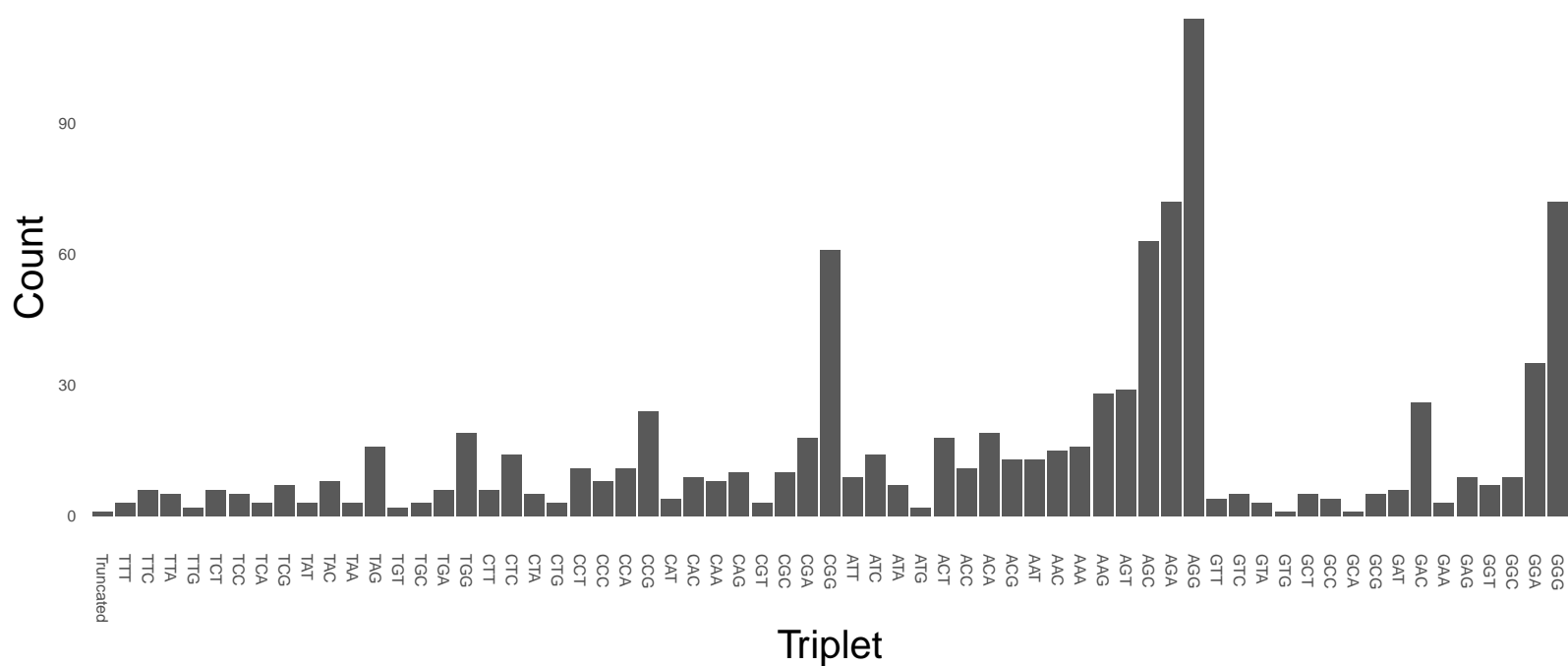
Gene TRBV7-7\*ap01\_C315T



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

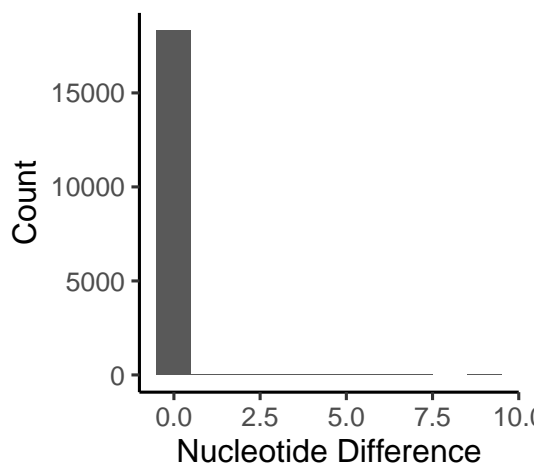


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



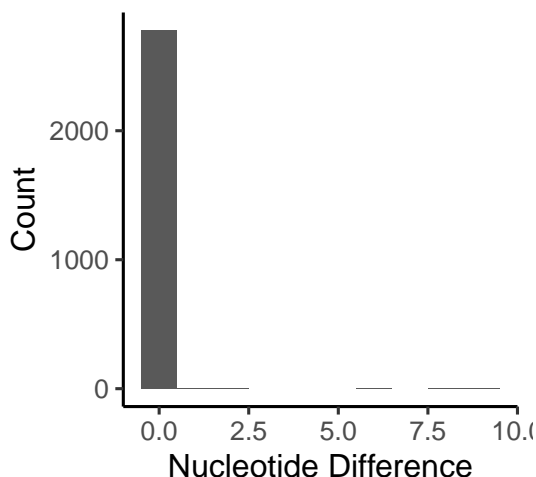
### TRBV20-1\*ap01

18406 sequences assigned  
18338 (99.6%) exact matches, in which:  
18329 unique CDR3  
13 unique J



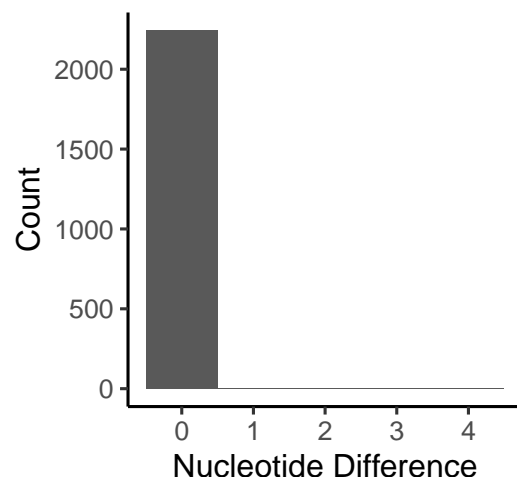
### TRBV10-3\*ap01

2786 sequences assigned  
2778 (99.7%) exact matches, in which:  
2777 unique CDR3  
13 unique J



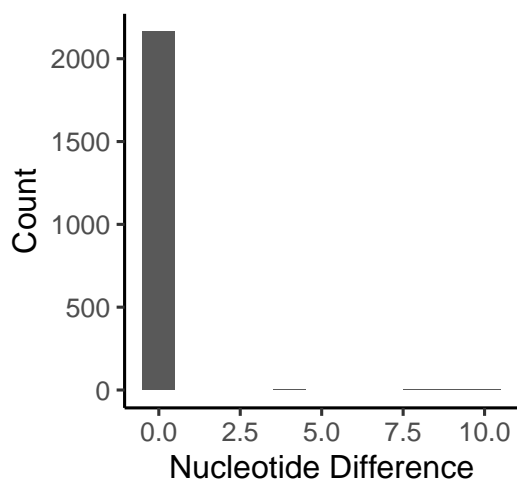
### TRBV14\*ap01

2251 sequences assigned  
2243 (99.6%) exact matches, in which:  
2241 unique CDR3  
13 unique J



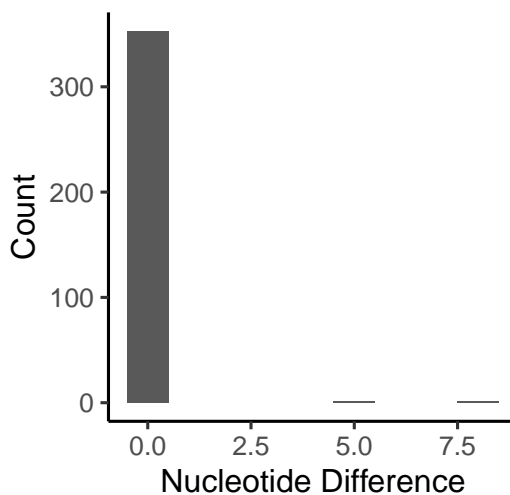
### TRBV10-1\*ap01

2168 sequences assigned  
2163 (99.8%) exact matches, in which:  
2163 unique CDR3  
13 unique J



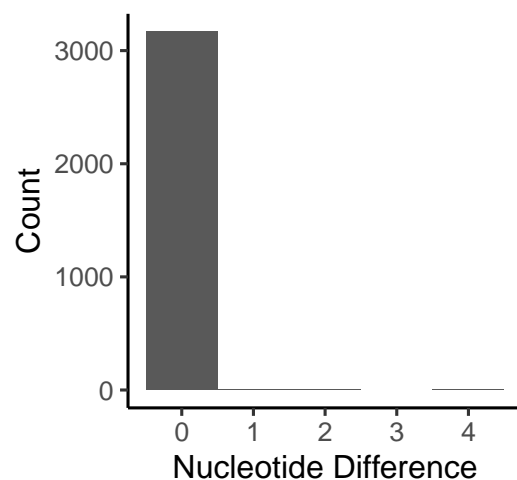
### TRBV1\*ap01

355 sequences assigned  
353 (99.4%) exact matches, in which:  
353 unique CDR3  
13 unique J



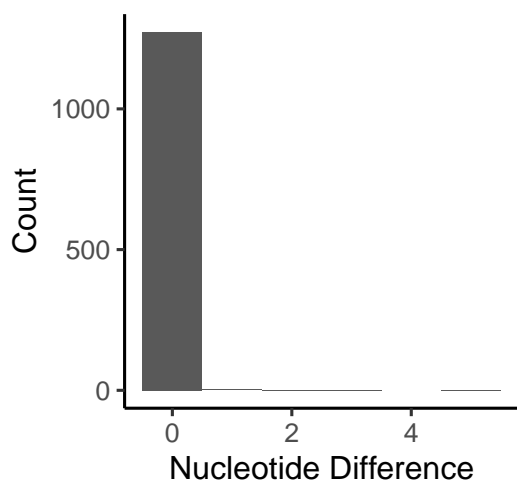
### TRBV15\*ap02

3174 sequences assigned  
3167 (99.8%) exact matches, in which:  
3166 unique CDR3  
13 unique J



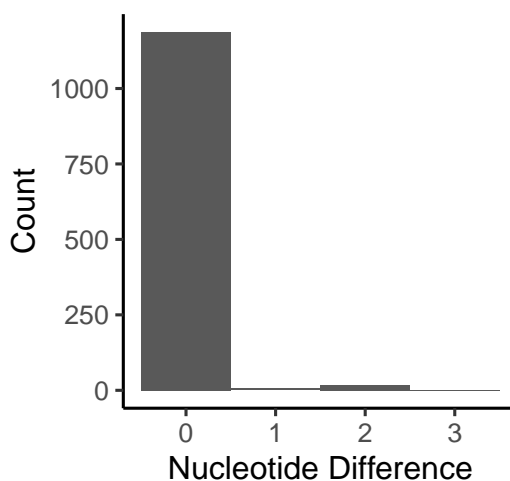
### TRBV10-2\*ap01

1279 sequences assigned  
1273 (99.5%) exact matches, in which:  
1273 unique CDR3  
13 unique J



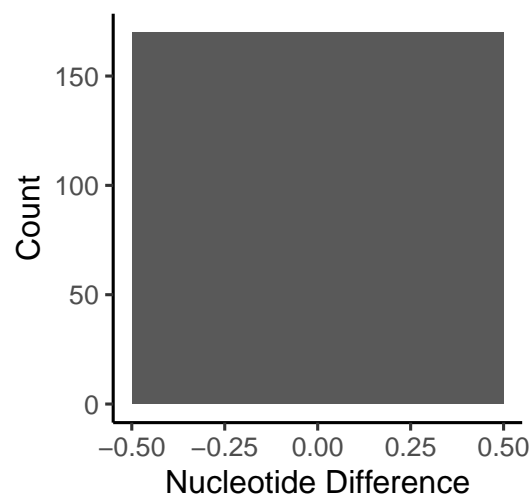
### TRBV13\*ap01

1212 sequences assigned  
1187 (97.9%) exact matches, in which:  
1186 unique CDR3  
13 unique J



### TRBV16\*ap01

170 sequences assigned  
170 (100%) exact matches, in which:  
170 unique CDR3  
13 unique J



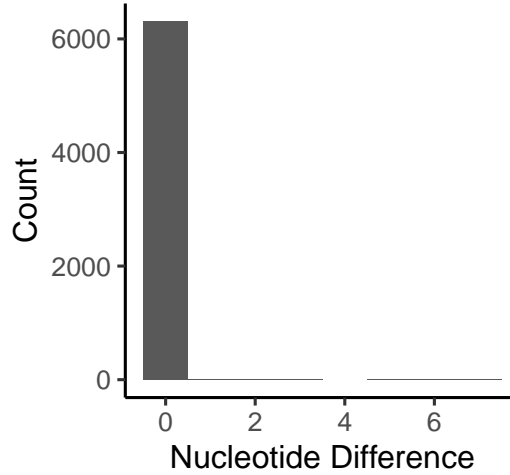
### TRBV17\*ap01

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



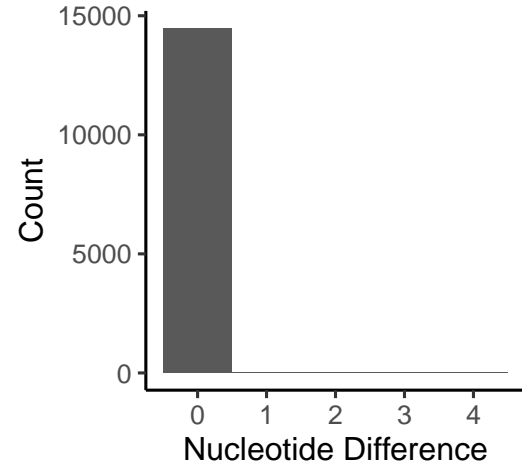
### TRBV2\*ap01

6324 sequences assigned  
6308 (99.7%) exact matches, in which:  
6296 unique CDR3  
13 unique J



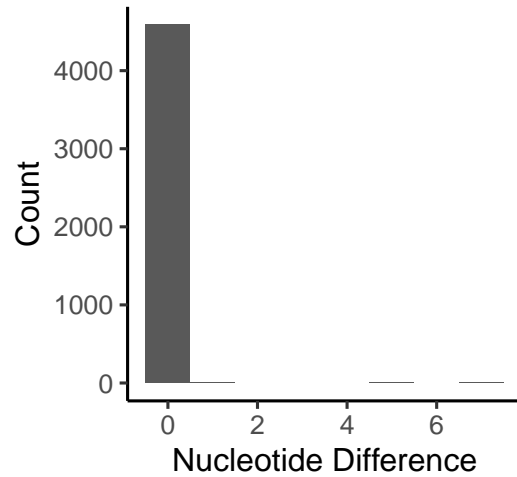
### TRBV28\*ap01

14510 sequences assigned  
14480 (99.8%) exact matches, in which:  
14478 unique CDR3  
13 unique J



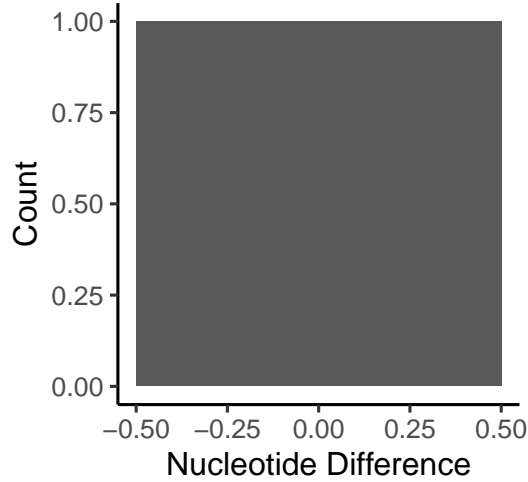
### TRBV18\*ap01

4595 sequences assigned  
4588 (99.8%) exact matches, in which:  
4587 unique CDR3  
13 unique J



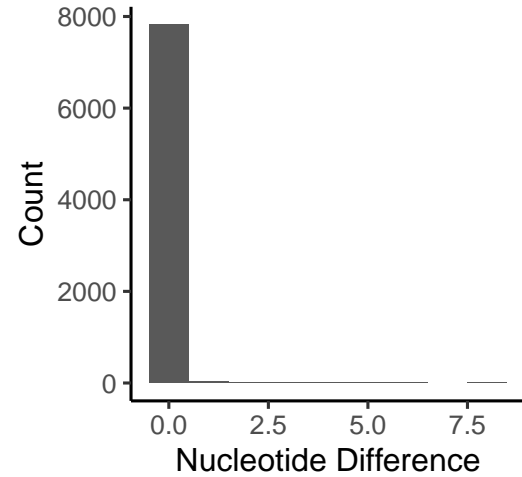
### TRBV26\*ap01

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



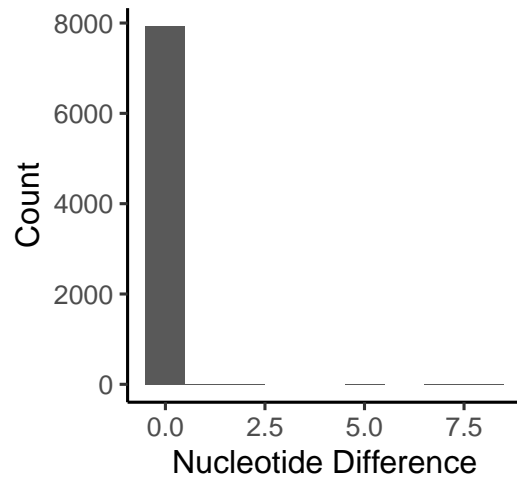
### TRBV30\*ap01

7867 sequences assigned  
7820 (99.4%) exact matches, in which:  
7797 unique CDR3  
13 unique J



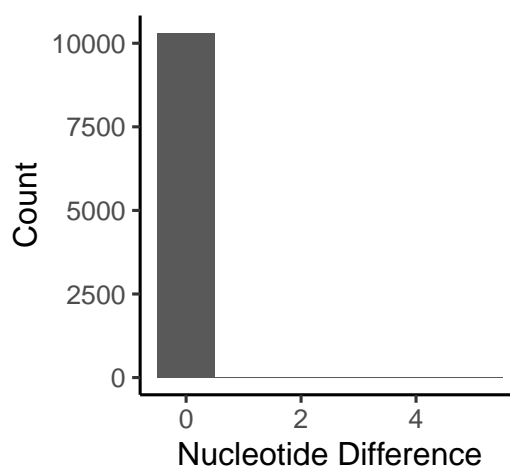
### TRBV19\*ap01

7952 sequences assigned  
7933 (99.8%) exact matches, in which:  
7932 unique CDR3  
13 unique J



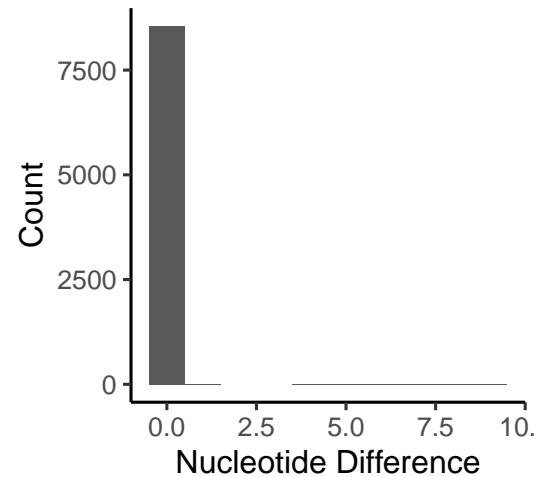
### TRBV27\*ap01

10346 sequences assigned  
10313 (99.7%) exact matches, in which:  
10281 unique CDR3  
13 unique J



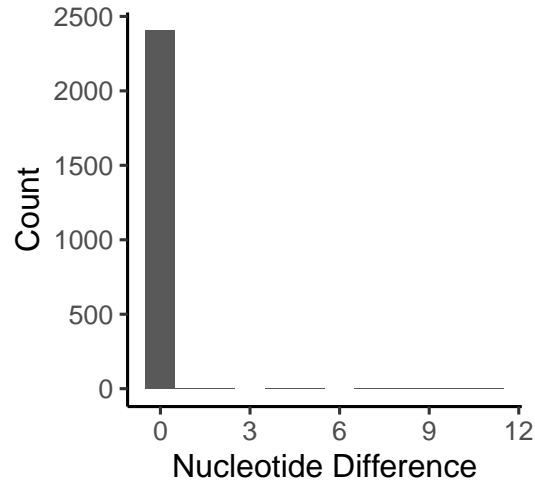
### TRBV9\*ap01

8566 sequences assigned  
8551 (99.8%) exact matches, in which:  
8546 unique CDR3  
13 unique J



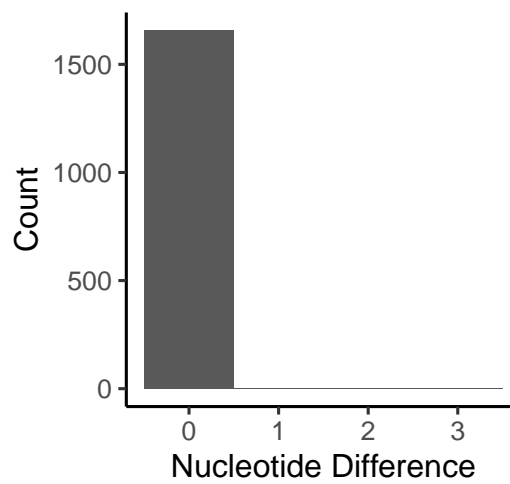
### TRBV21-1\*ap01

2425 sequences assigned  
2406 (99.2%) exact matches, in which:  
2406 unique CDR3  
13 unique J



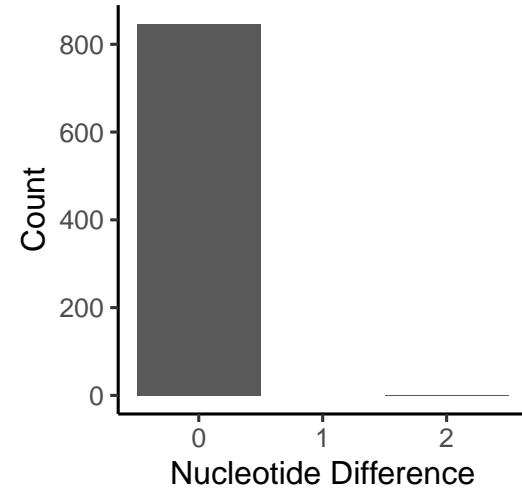
### TRBV11-3\*ap01

1663 sequences assigned  
1657 (99.6%) exact matches, in which:  
1657 unique CDR3  
13 unique J



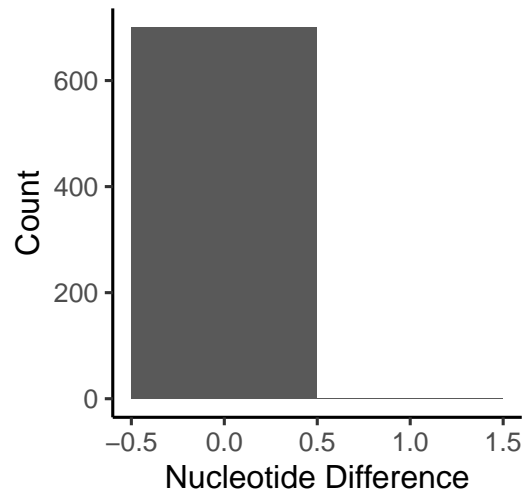
### TRBV12-5\*ap01

848 sequences assigned  
847 (99.9%) exact matches, in which:  
847 unique CDR3  
13 unique J



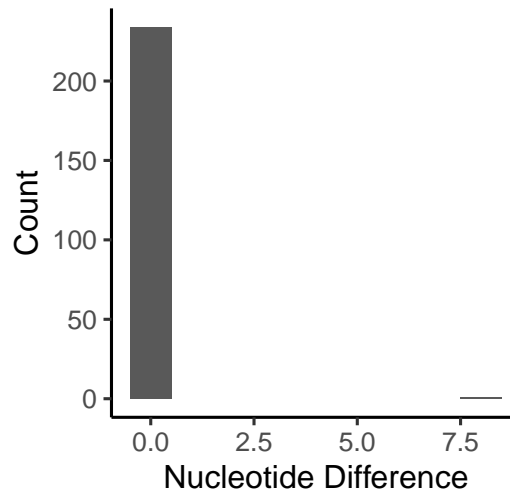
### TRBV11-1\*ap01

702 sequences assigned  
701 (99.9%) exact matches, in which:  
700 unique CDR3  
13 unique J



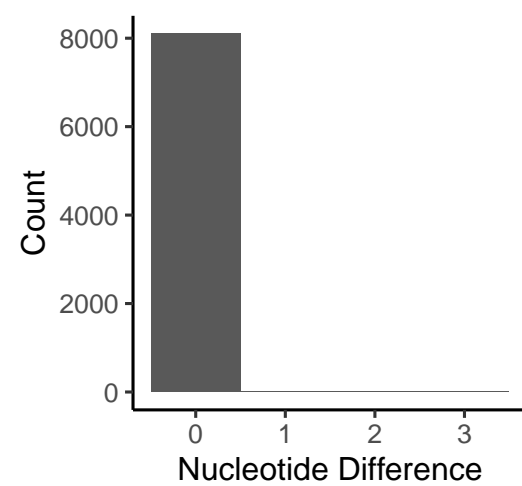
### TRBV12-1\*ap01

235 sequences assigned  
234 (99.6%) exact matches, in which:  
234 unique CDR3  
13 unique J



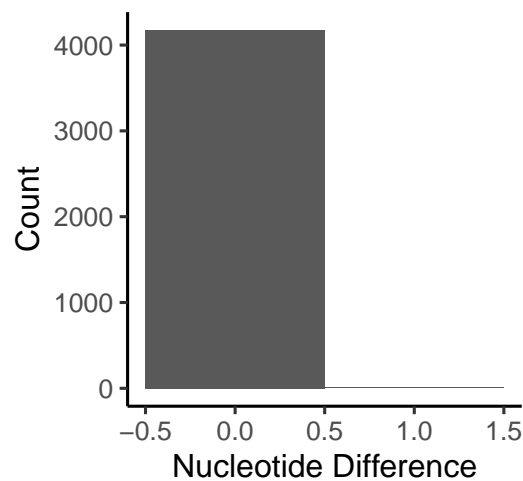
### TRBV12-34\*ap01

8110 sequences assigned  
8101 (99.9%) exact matches, in which:  
8099 unique CDR3  
13 unique J



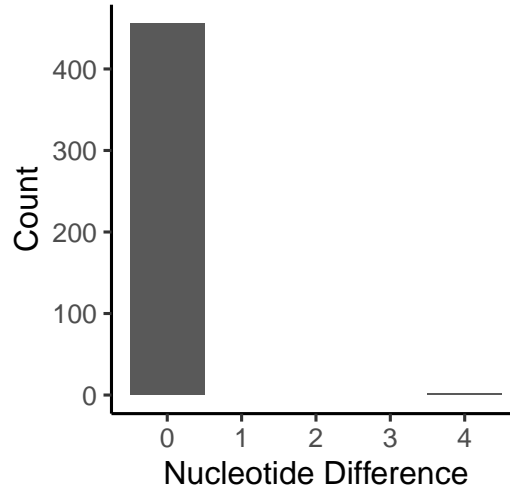
### TRBV11-2\*ap01

4183 sequences assigned  
4175 (99.8%) exact matches, in which:  
4174 unique CDR3  
13 unique J



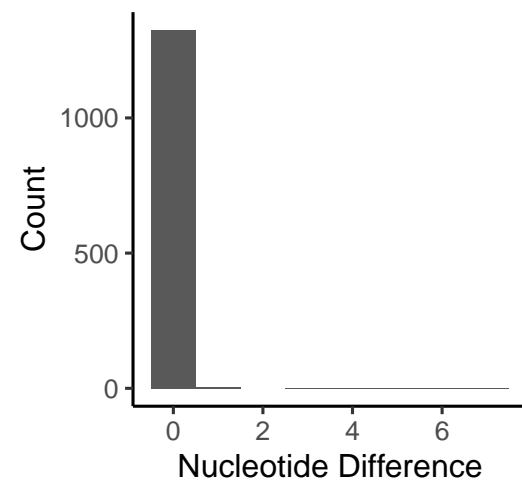
### TRBV12-2\*ap01

458 sequences assigned  
456 (99.6%) exact matches, in which:  
456 unique CDR3  
13 unique J



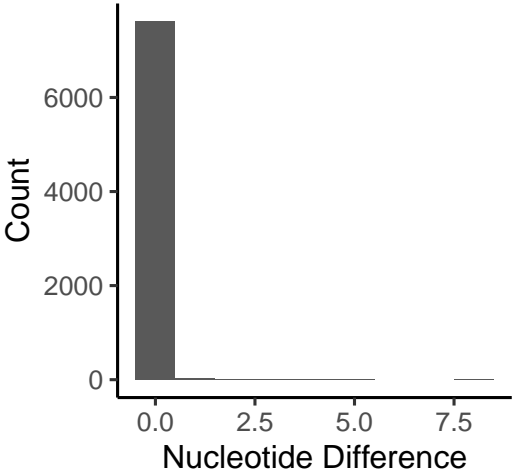
### TRBV23-1\*ap01

1335 sequences assigned  
1325 (99.3%) exact matches, in which:  
1325 unique CDR3  
13 unique J



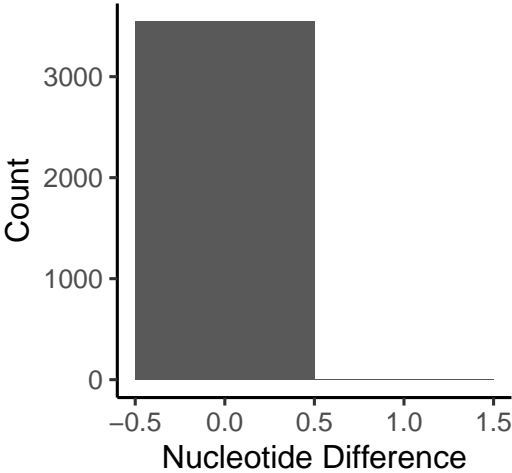
TRBV3–12\*ap01

7649 sequences assigned  
7617 (99.6%) exact matches, in which:  
7606 unique CDR3  
13 unique J



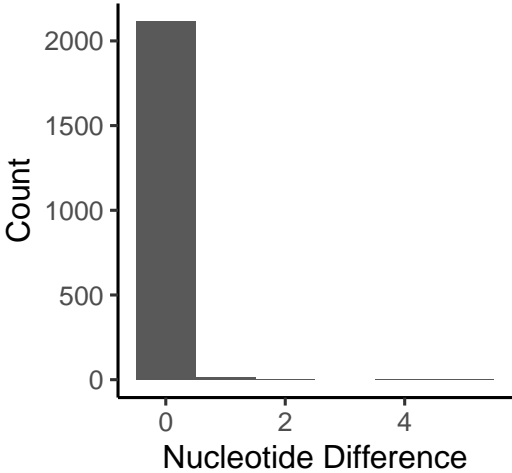
TRBV4–2\*ap01

3556 sequences assigned  
3547 (99.7%) exact matches, in which:  
3545 unique CDR3  
13 unique J



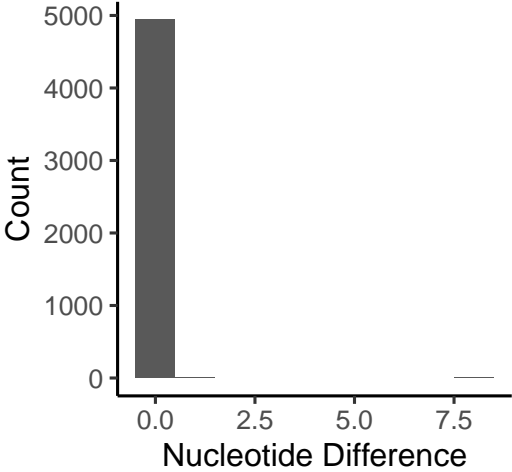
TRBV25–1\*ap01

2132 sequences assigned  
2115 (99.2%) exact matches, in which:  
2103 unique CDR3  
13 unique J



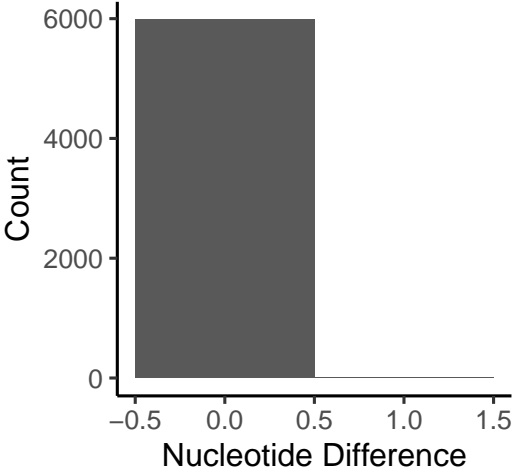
TRBV4–1\*ap01

4949 sequences assigned  
4941 (99.8%) exact matches, in which:  
4938 unique CDR3  
13 unique J



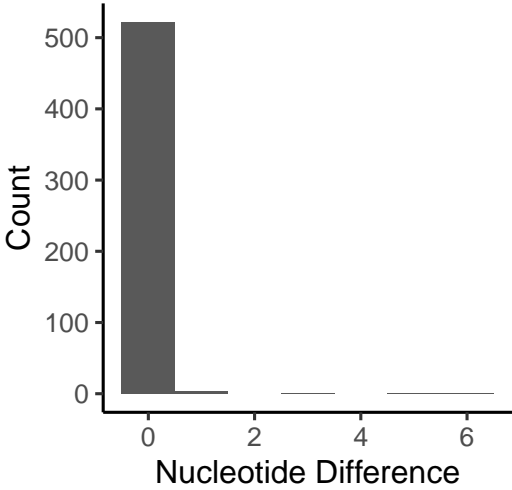
TRBV4–3\*ap01

5989 sequences assigned  
5982 (99.9%) exact matches, in which:  
5980 unique CDR3  
13 unique J



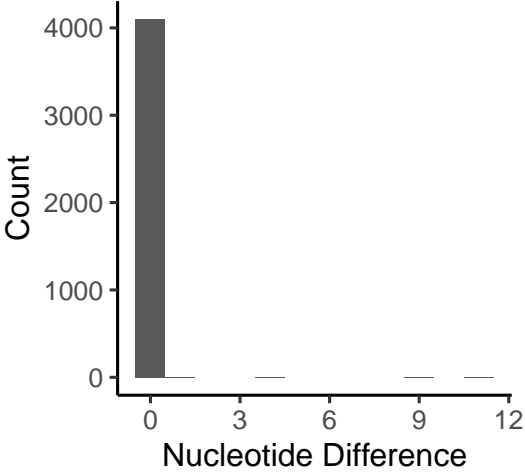
TRBV5–3\*ap01

528 sequences assigned  
522 (98.9%) exact matches, in which:  
522 unique CDR3  
13 unique J



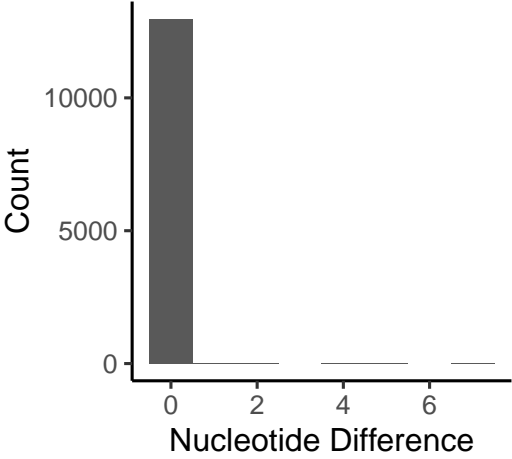
TRBV24–1\*ap01

4113 sequences assigned  
4101 (99.7%) exact matches, in which:  
4094 unique CDR3  
13 unique J



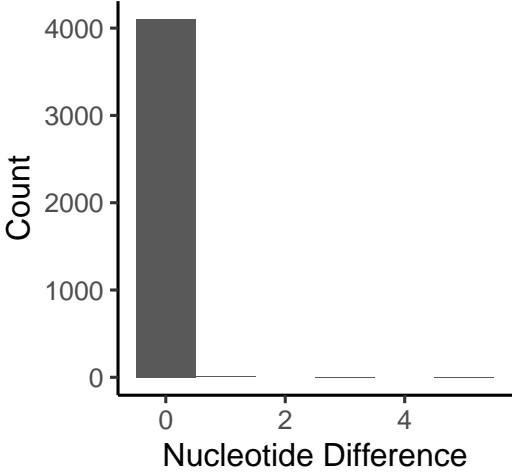
TRBV5–1\*ap01

12999 sequences assigned  
12976 (99.8%) exact matches, in which:  
12949 unique CDR3  
13 unique J



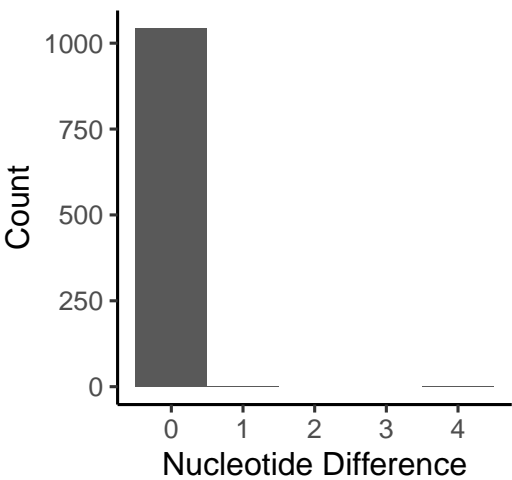
TRBV5–4\*ap01

4115 sequences assigned  
4104 (99.7%) exact matches, in which:  
4103 unique CDR3  
13 unique J



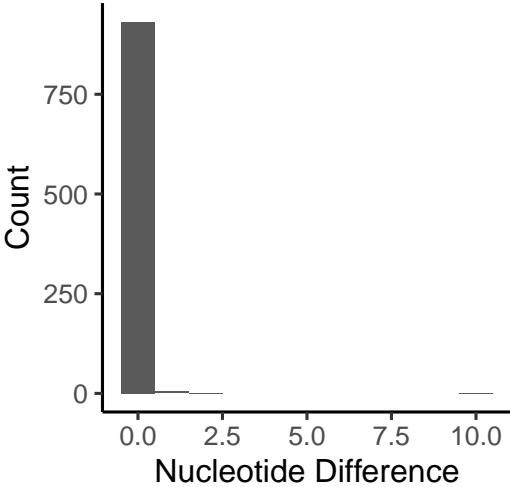
TRBV5-5\*ap01

1046 sequences assigned  
1043 (99.7%) exact matches, in which:  
1043 unique CDR3  
13 unique J



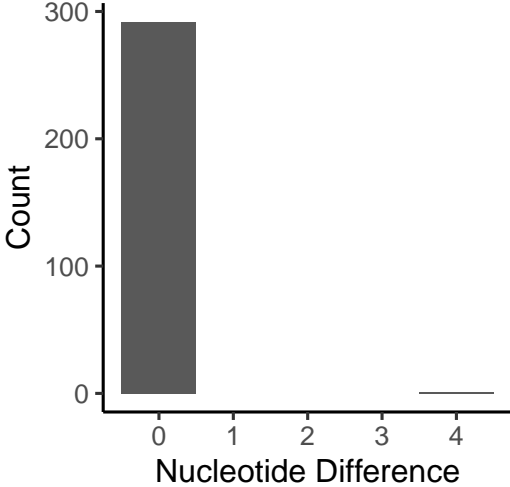
TRBV5-8\*ap01

939 sequences assigned  
932 (99.3%) exact matches, in which:  
931 unique CDR3  
13 unique J



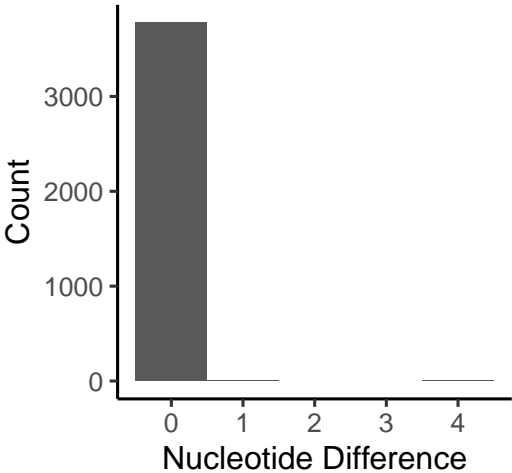
TRBV6-7\*ap01

293 sequences assigned  
292 (99.7%) exact matches, in which:  
292 unique CDR3  
13 unique J



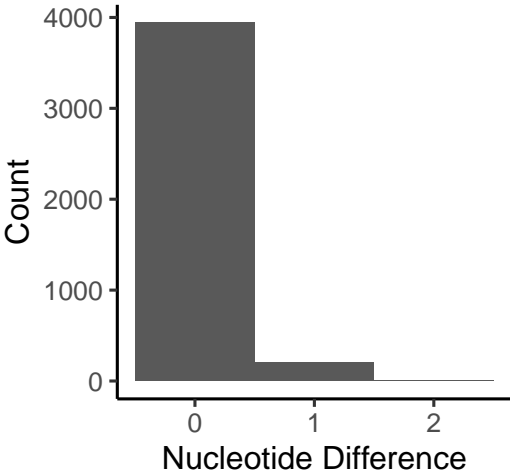
TRBV5-6\*ap01

3787 sequences assigned  
3777 (99.7%) exact matches, in which:  
3769 unique CDR3  
13 unique J



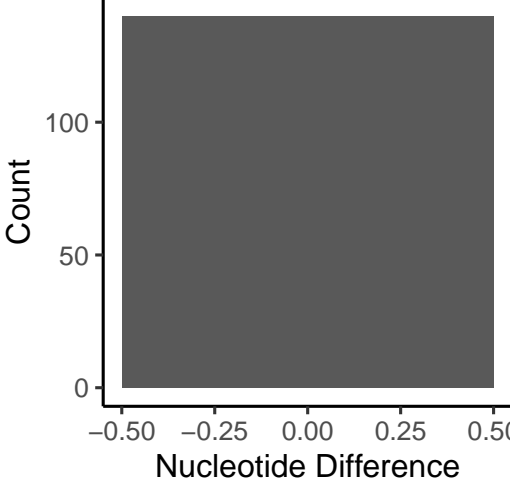
TRBV6-1\*ap01

4143 sequences assigned  
3942 (95.1%) exact matches, in which:  
3939 unique CDR3  
13 unique J



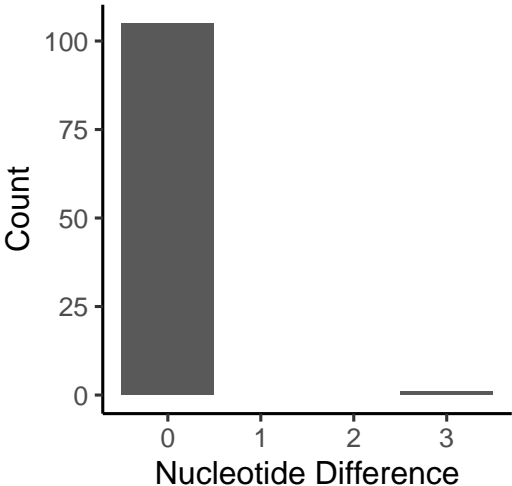
TRBV6-8\*ap01

140 sequences assigned  
140 (100%) exact matches, in which:  
140 unique CDR3  
13 unique J



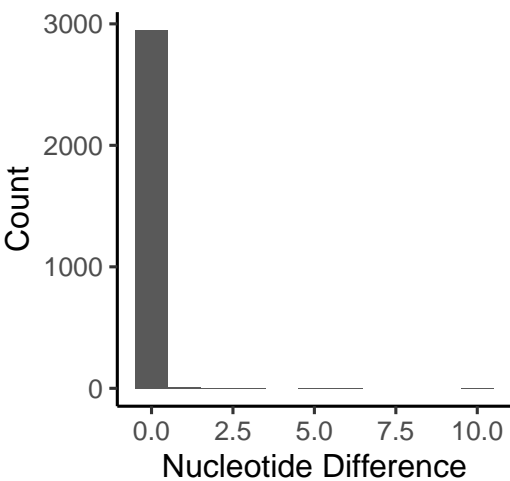
TRBV5-7\*ap01

106 sequences assigned  
105 (99.1%) exact matches, in which:  
105 unique CDR3  
13 unique J



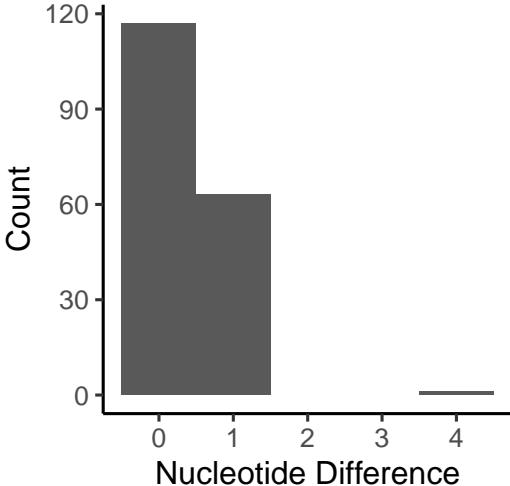
TRBV6-4\*ap01

2967 sequences assigned  
2949 (99.4%) exact matches, in which:  
2949 unique CDR3  
13 unique J



TRBV6-9\*ap01

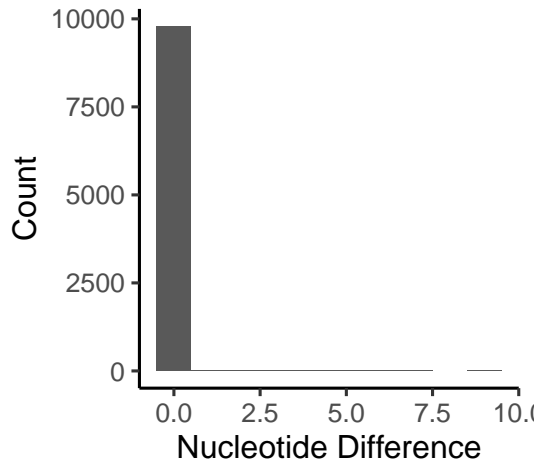
181 sequences assigned  
117 (64.6%) exact matches, in which:  
117 unique CDR3  
13 unique J





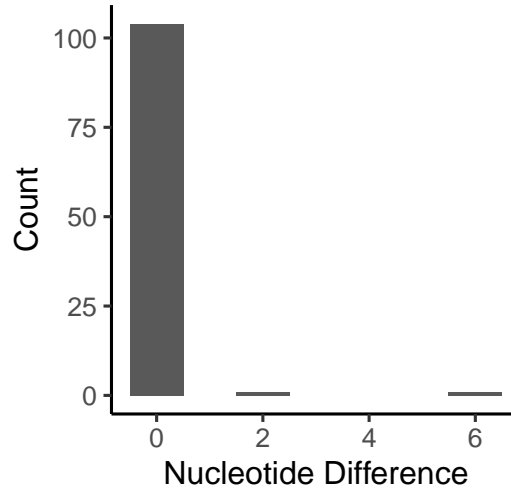
### TRBV6-23\*ap01

9824 sequences assigned  
9793 (99.7%) exact matches, in which:  
9778 unique CDR3  
13 unique J



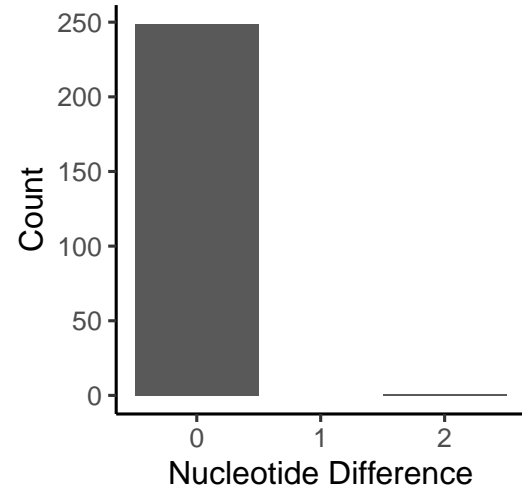
### TRBV7-1\*ap01\_G291C\_

106 sequences assigned  
104 (98.1%) exact matches, in which:  
104 unique CDR3  
13 unique J



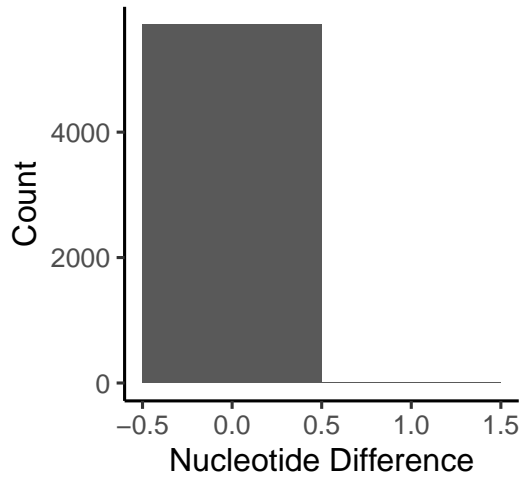
### TRBV7-4\*ap01

250 sequences assigned  
249 (99.6%) exact matches, in which:  
249 unique CDR3  
12 unique J



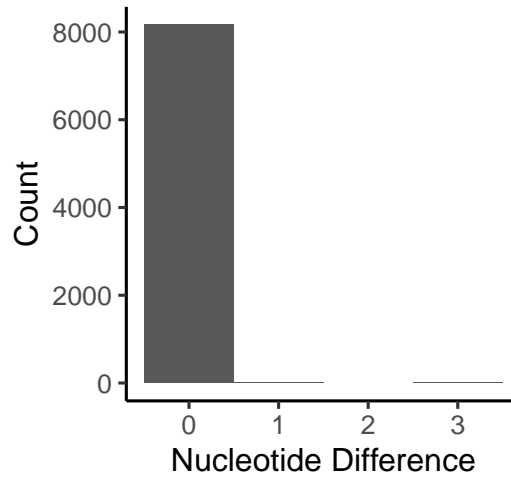
### TRBV6-56\*ap01

5723 sequences assigned  
5713 (99.8%) exact matches, in which:  
5713 unique CDR3  
13 unique J



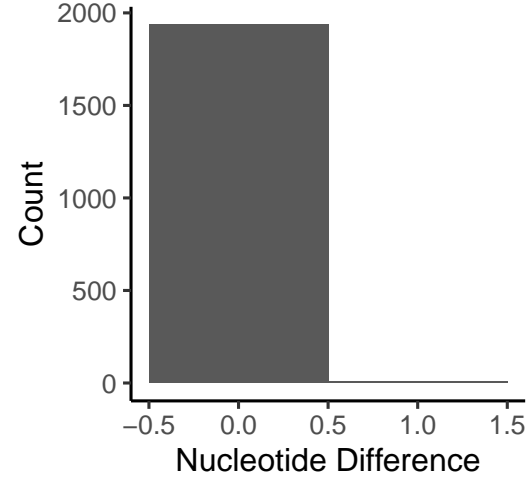
### TRBV7-2\*ap01

8176 sequences assigned  
8165 (99.9%) exact matches, in which:  
8163 unique CDR3  
13 unique J



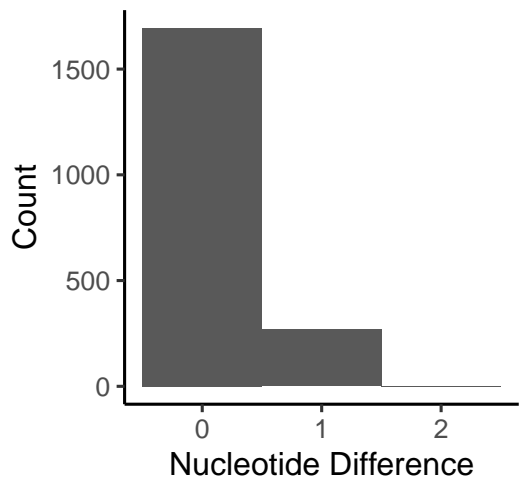
### TRBV7-6\*ap01

1943 sequences assigned  
1936 (99.6%) exact matches, in which:  
1935 unique CDR3  
13 unique J



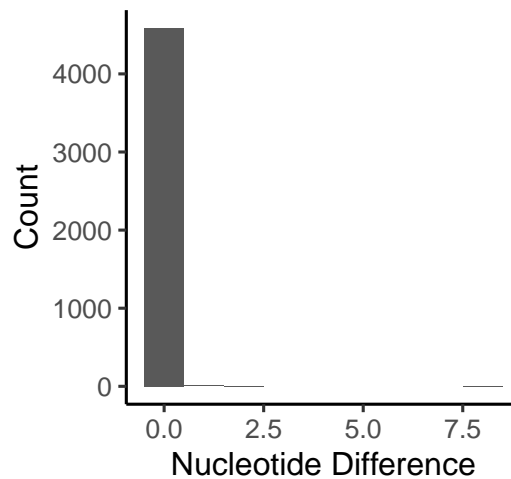
### TRBV6-56\*ap02

1963 sequences assigned  
1694 (86.3%) exact matches, in which:  
1693 unique CDR3  
13 unique J



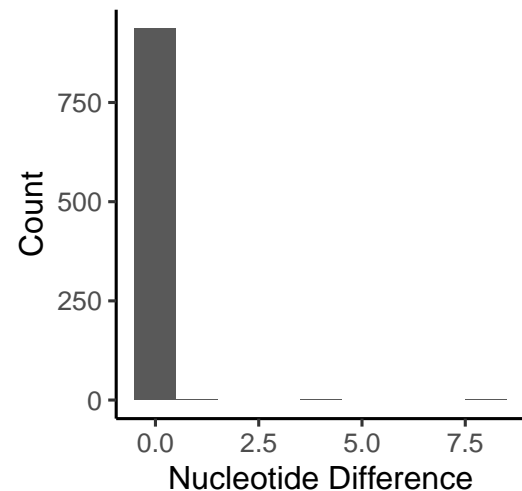
### TRBV7-3\*ap01

4599 sequences assigned  
4587 (99.7%) exact matches, in which:  
4584 unique CDR3  
13 unique J



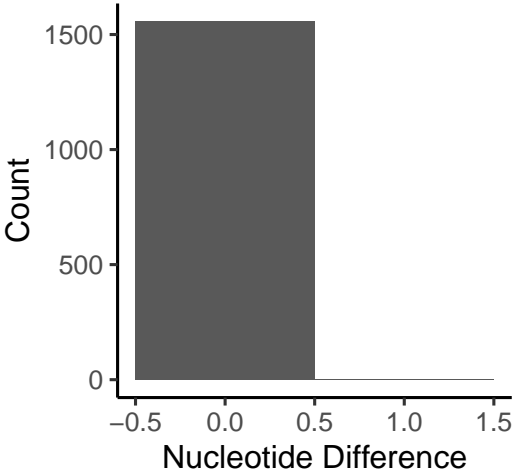
### TRBV7-7\*ap01\_C315T

941 sequences assigned  
937 (99.6%) exact matches, in which:  
937 unique CDR3  
13 unique J



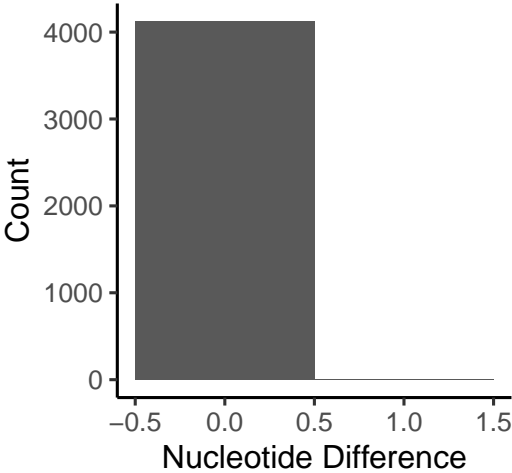
TRBV7-8\*ap01

1559 sequences assigned  
1557 (99.9%) exact matches, in which:  
1557 unique CDR3  
13 unique J



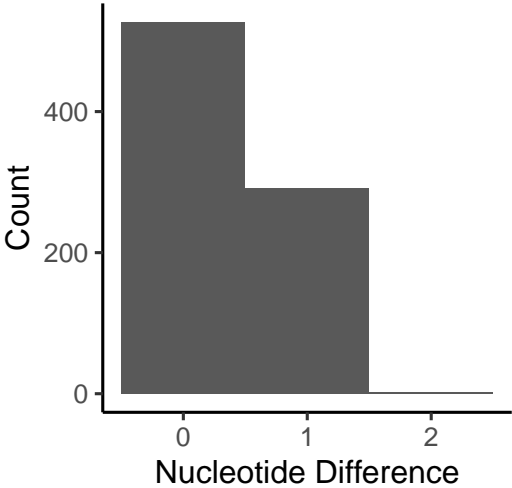
TRBV29-1\*ap01

4134 sequences assigned  
4123 (99.7%) exact matches, in which:  
4109 unique CDR3  
13 unique J



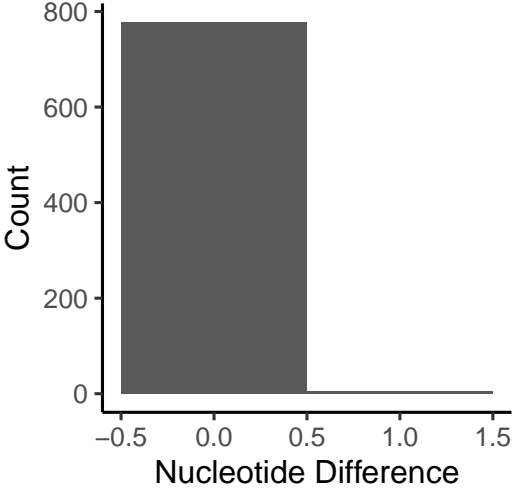
TRBV7-8\*ap03

821 sequences assigned  
527 (64.2%) exact matches, in which:  
527 unique CDR3  
13 unique J



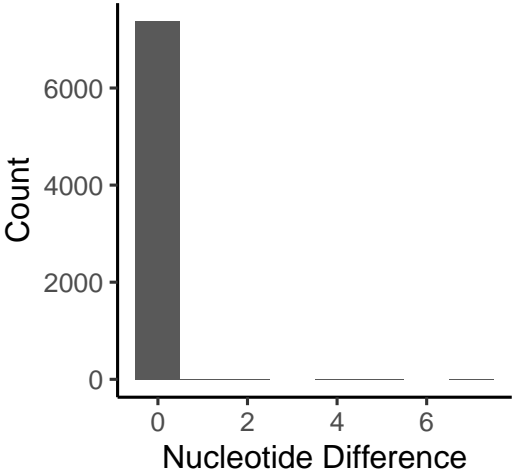
TRBV29-1\*ap02

783 sequences assigned  
778 (99.4%) exact matches, in which:  
774 unique CDR3  
13 unique J

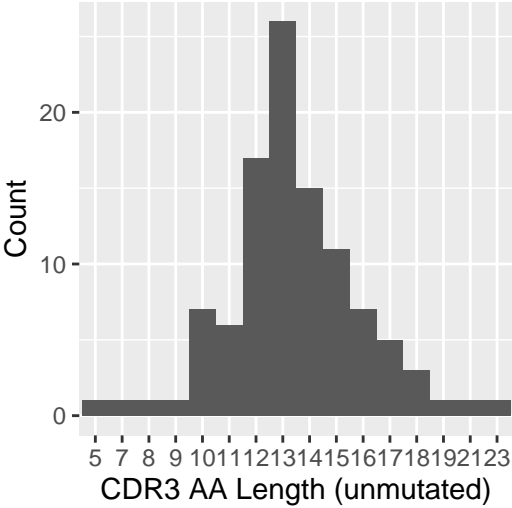


TRBV7-9\*ap01

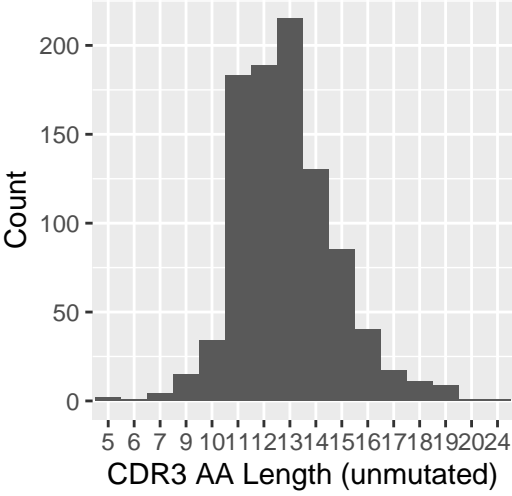
7389 sequences assigned  
7379 (99.9%) exact matches, in which:  
7378 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]