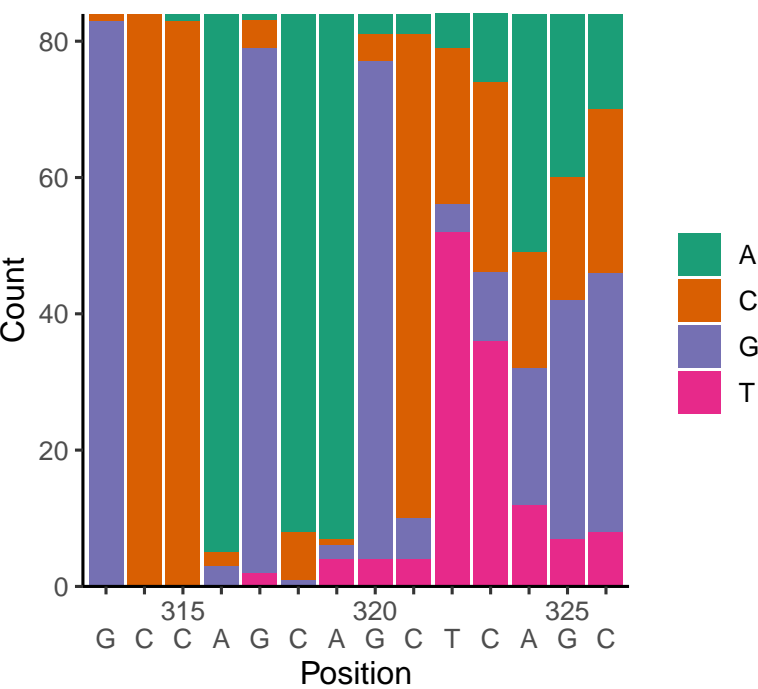
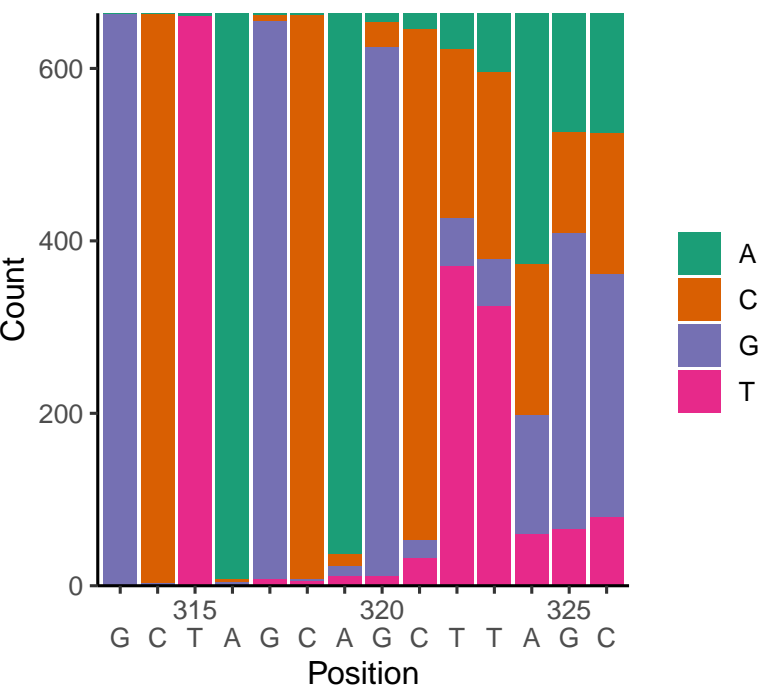


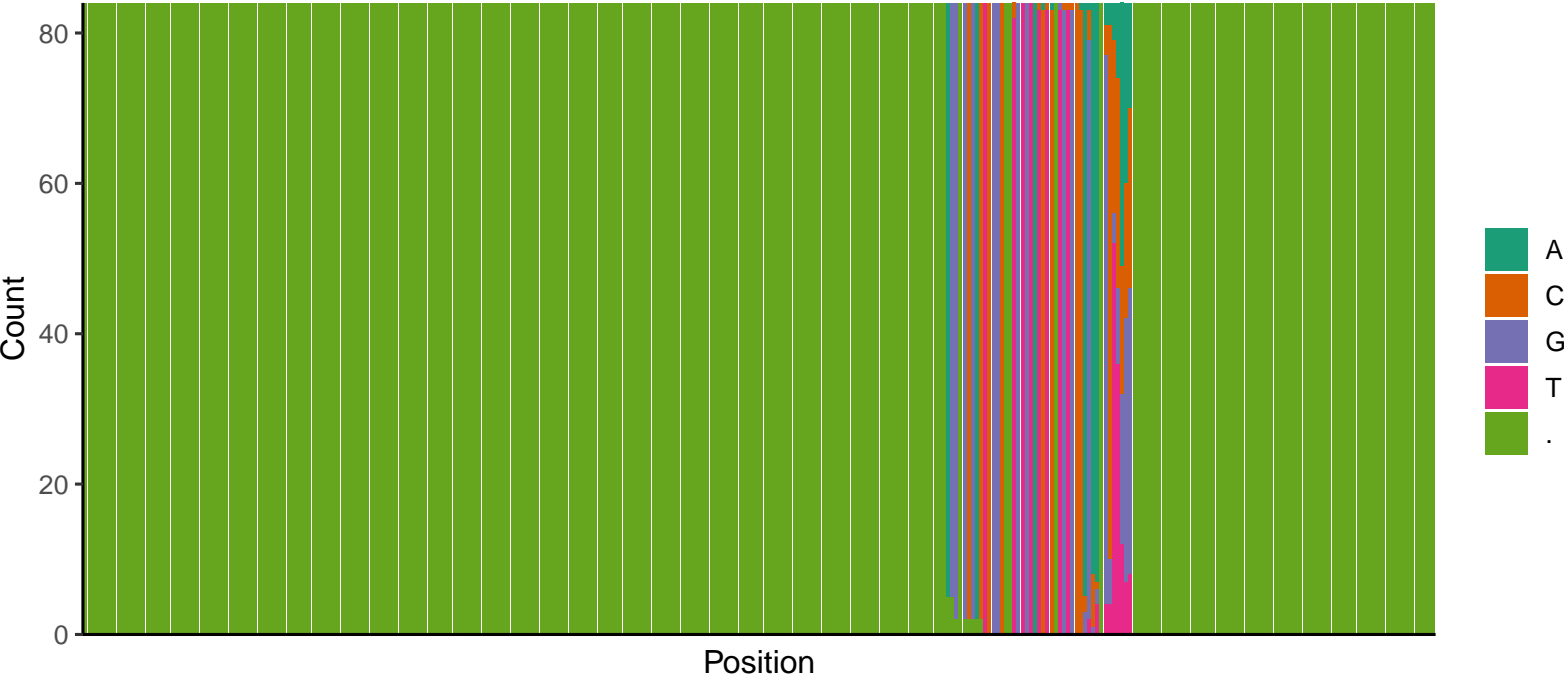
Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



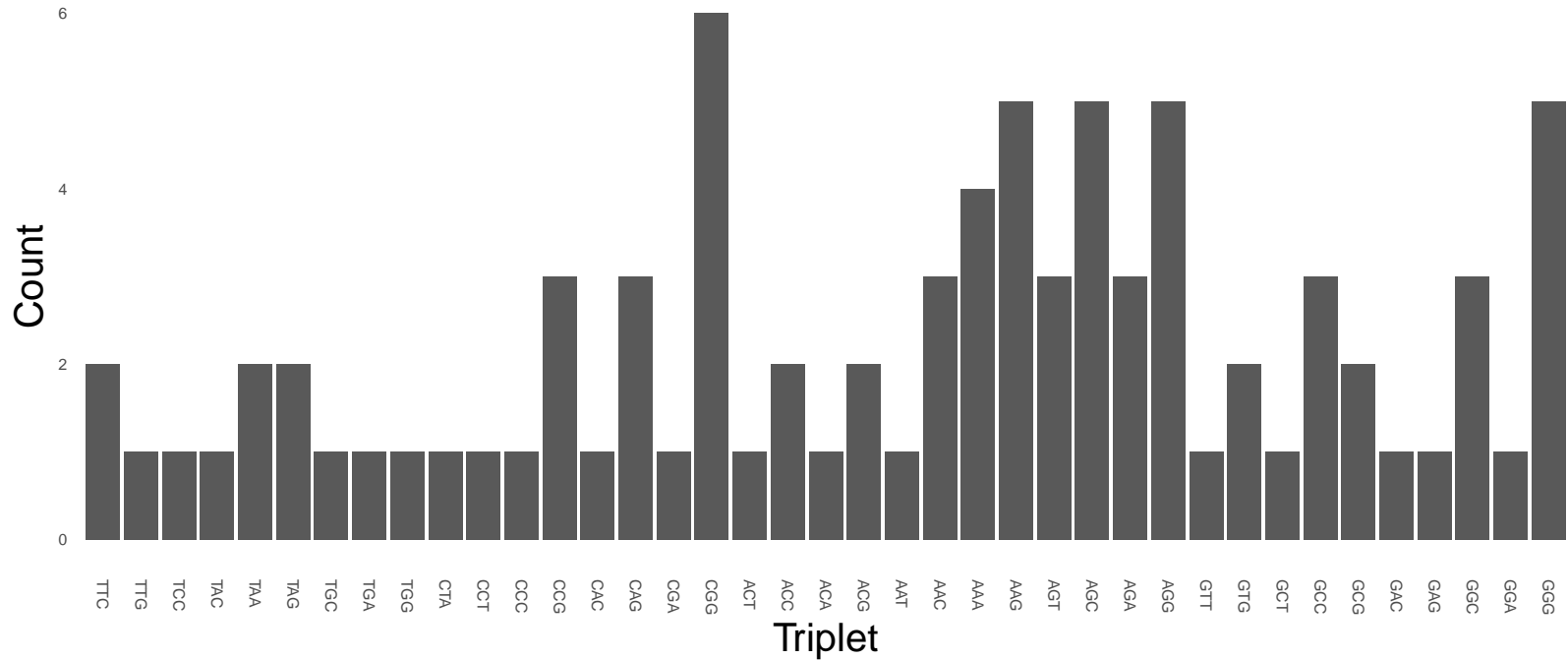
Gene TRBV7-1\*ap01\_G291C\_T296C



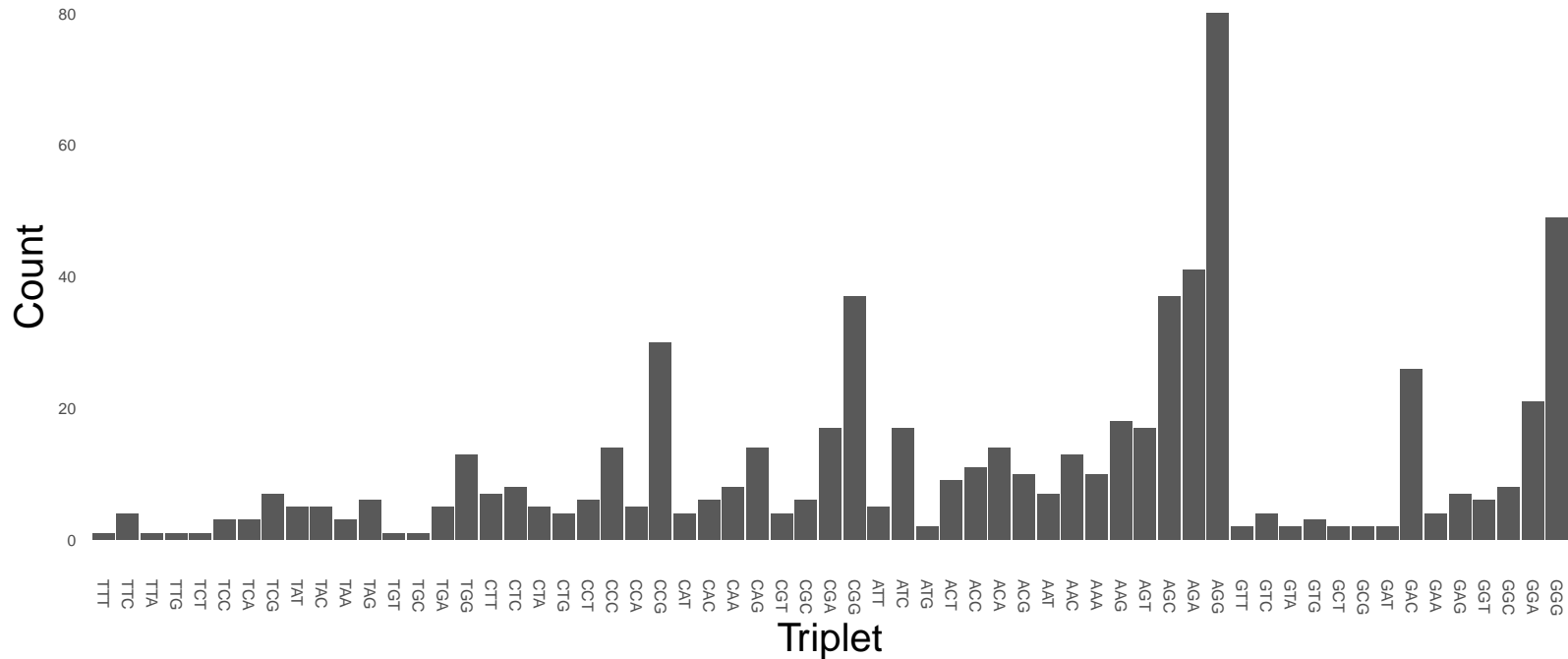
Gene TRBV7-7\*ap01\_C315T



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

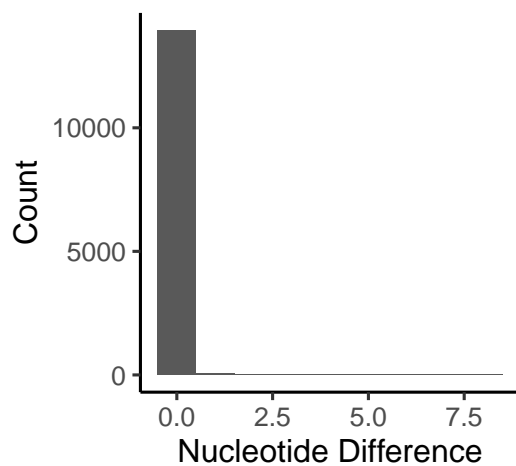


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



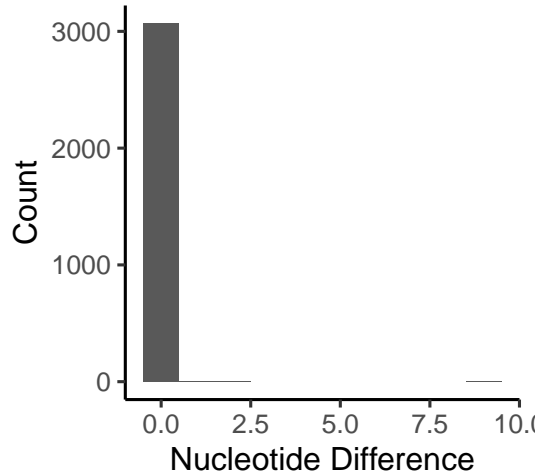
### TRBV20-1\*ap01

14016 sequences assigned  
13952 (99.5%) exact matches, in which:  
13928 unique CDR3  
13 unique J



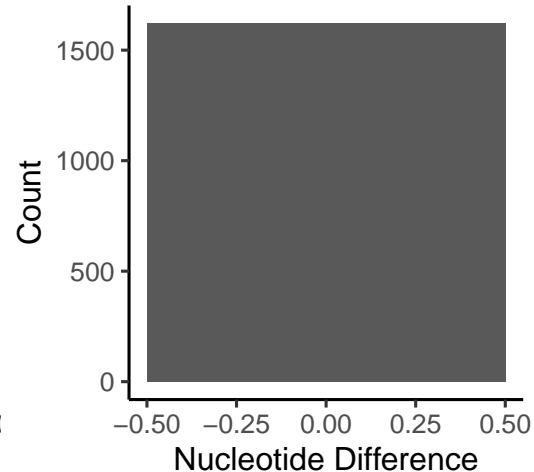
### TRBV10-3\*ap01

3077 sequences assigned  
3068 (99.7%) exact matches, in which:  
3067 unique CDR3  
13 unique J



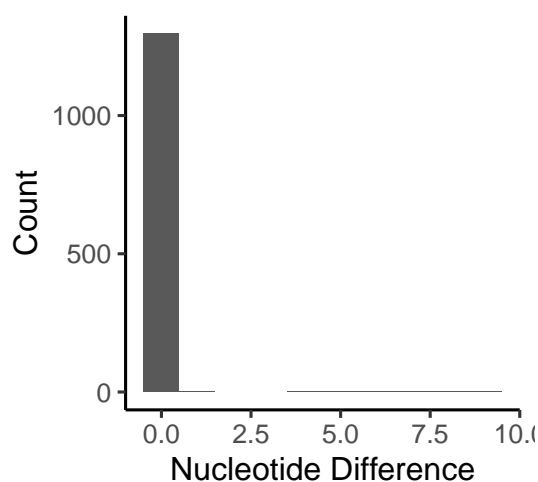
### TRBV14\*ap01

1621 sequences assigned  
1621 (100%) exact matches, in which:  
1621 unique CDR3  
14 unique J



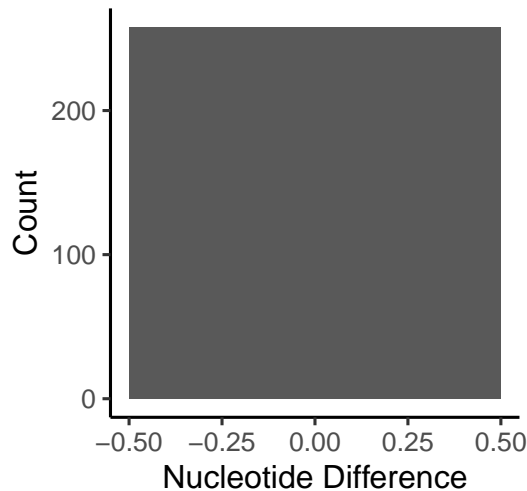
### TRBV10-1\*ap01

1304 sequences assigned  
1296 (99.4%) exact matches, in which:  
1294 unique CDR3  
13 unique J



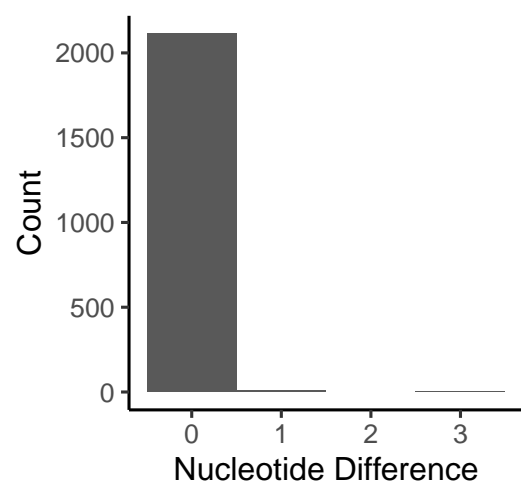
### TRBV1\*ap01

258 sequences assigned  
258 (100%) exact matches, in which:  
256 unique CDR3  
13 unique J



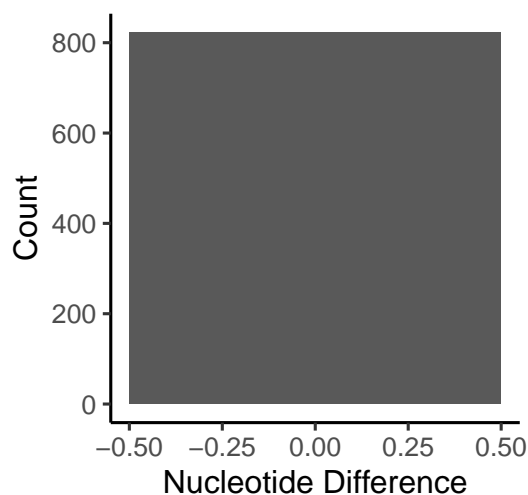
### TRBV15\*ap02

2120 sequences assigned  
2113 (99.7%) exact matches, in which:  
2108 unique CDR3  
13 unique J



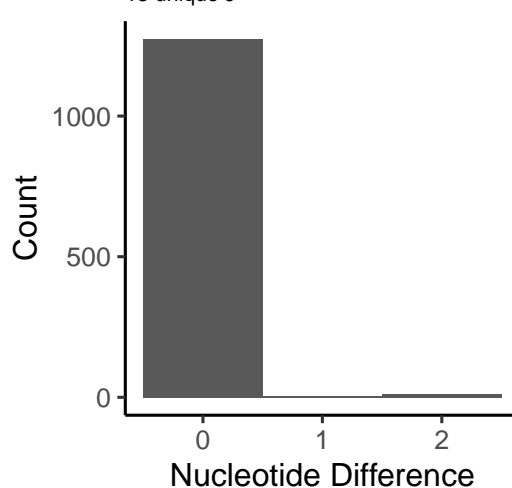
### TRBV10-2\*ap01

823 sequences assigned  
823 (100%) exact matches, in which:  
823 unique CDR3  
13 unique J



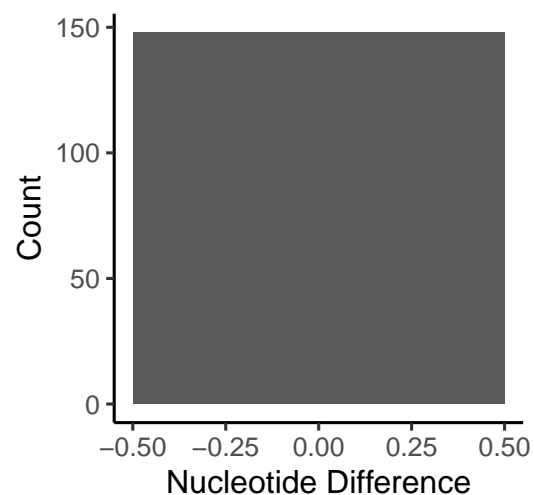
### TRBV13\*ap01

1290 sequences assigned  
1274 (98.8%) exact matches, in which:  
1274 unique CDR3  
13 unique J



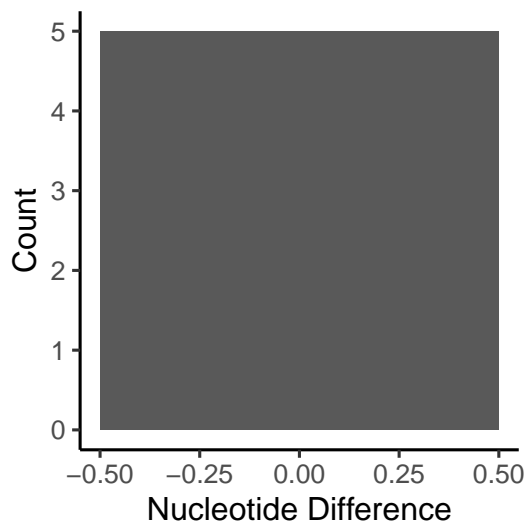
### TRBV16\*ap01

148 sequences assigned  
148 (100%) exact matches, in which:  
148 unique CDR3  
12 unique J



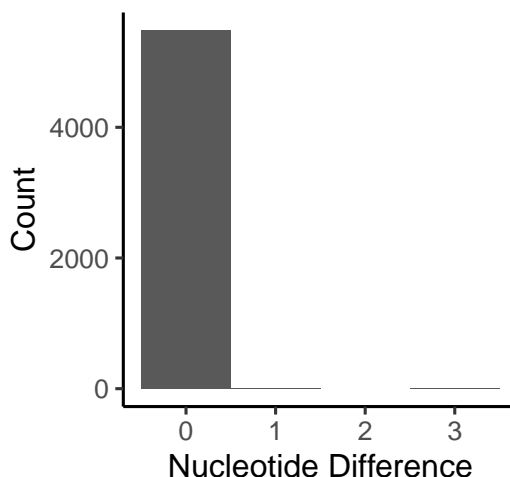
### TRBV17\*ap01

5 sequences assigned  
5 (100%) exact matches, in which:  
5 unique CDR3  
3 unique J



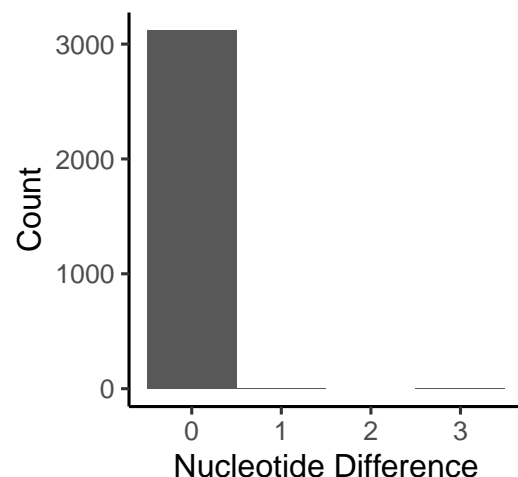
### TRBV2\*ap01

5497 sequences assigned  
5483 (99.7%) exact matches, in which:  
5475 unique CDR3  
13 unique J



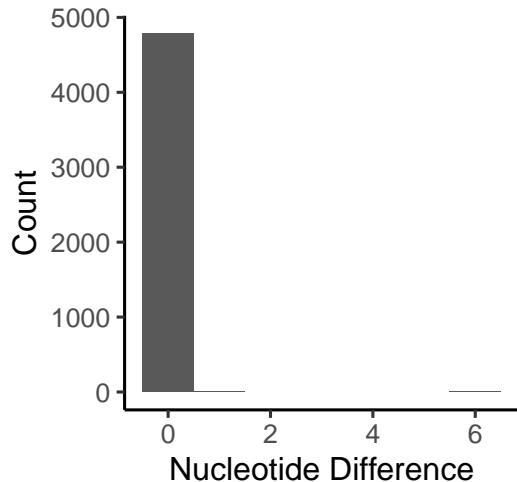
### TRBV28\*ap01

3123 sequences assigned  
3119 (99.9%) exact matches, in which:  
3116 unique CDR3  
13 unique J



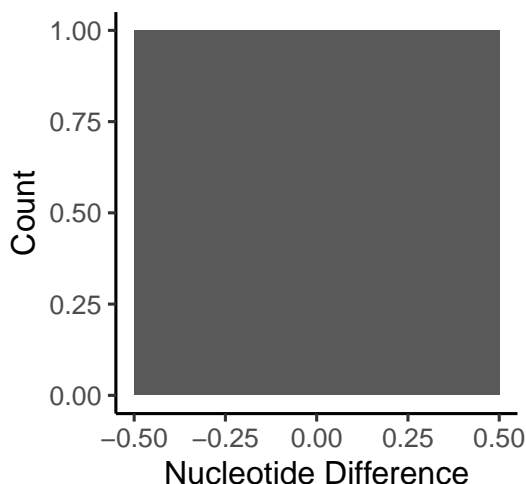
### TRBV18\*ap01

4789 sequences assigned  
4782 (99.9%) exact matches, in which:  
4782 unique CDR3  
13 unique J



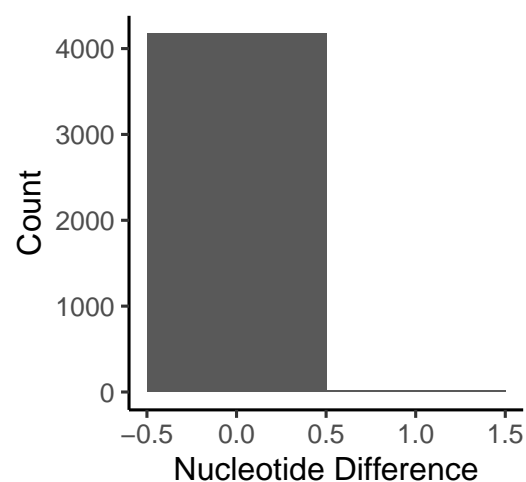
### TRBV26\*ap01

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



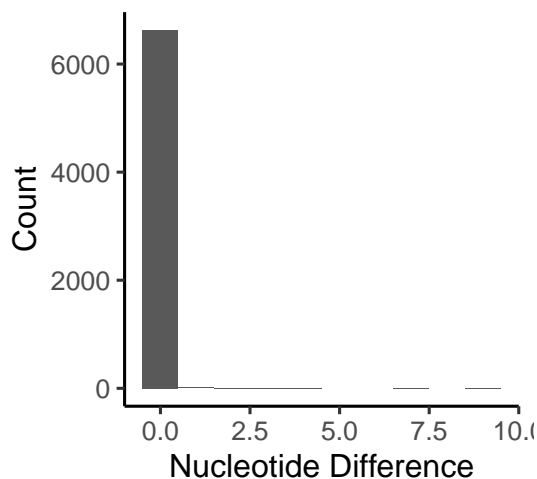
### TRBV30\*ap01

4194 sequences assigned  
4173 (99.5%) exact matches, in which:  
4158 unique CDR3  
13 unique J



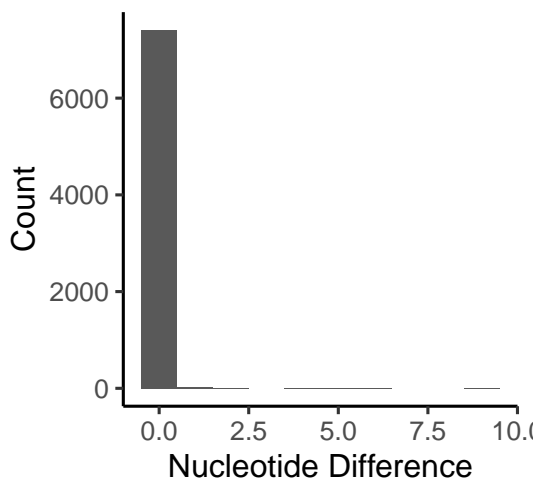
### TRBV19\*ap01

6652 sequences assigned  
6629 (99.7%) exact matches, in which:  
6626 unique CDR3  
13 unique J



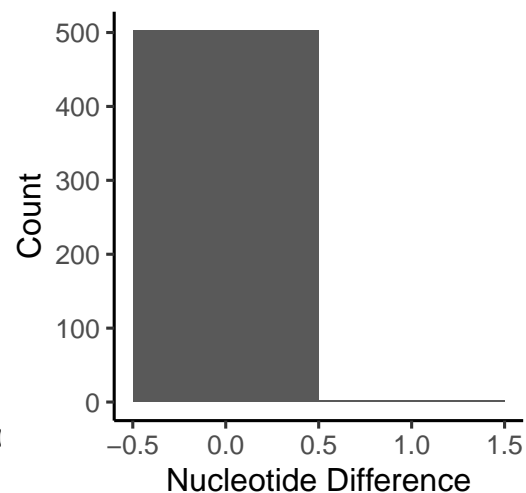
### TRBV27\*ap01

7435 sequences assigned  
7408 (99.6%) exact matches, in which:  
7386 unique CDR3  
13 unique J



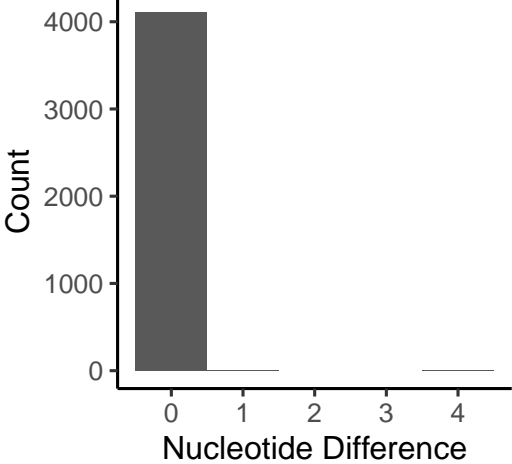
### TRBV30\*ap03

505 sequences assigned  
503 (99.6%) exact matches, in which:  
502 unique CDR3  
13 unique J



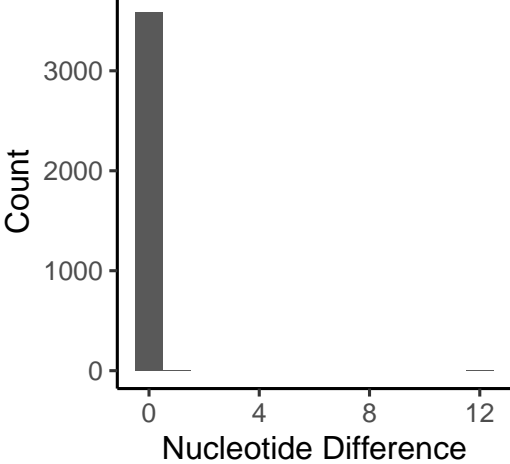
TRBV9\*ap01

4114 sequences assigned  
4107 (99.8%) exact matches, in which:  
4095 unique CDR3  
13 unique J



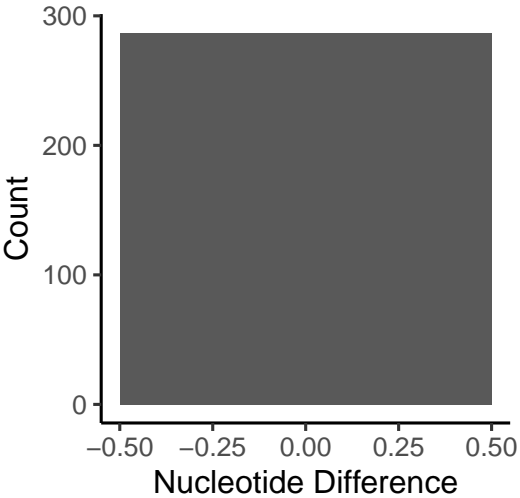
TRBV11-2\*ap01

3590 sequences assigned  
3584 (99.8%) exact matches, in which:  
3579 unique CDR3  
13 unique J



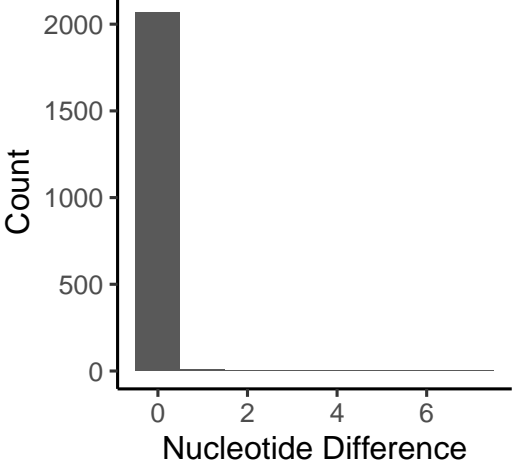
TRBV12-2\*ap01

287 sequences assigned  
287 (100%) exact matches, in which:  
287 unique CDR3  
13 unique J



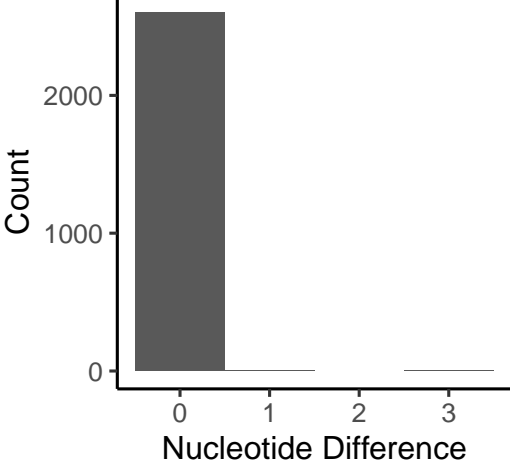
TRBV21-1\*ap01

2084 sequences assigned  
2066 (99.1%) exact matches, in which:  
2065 unique CDR3  
14 unique J



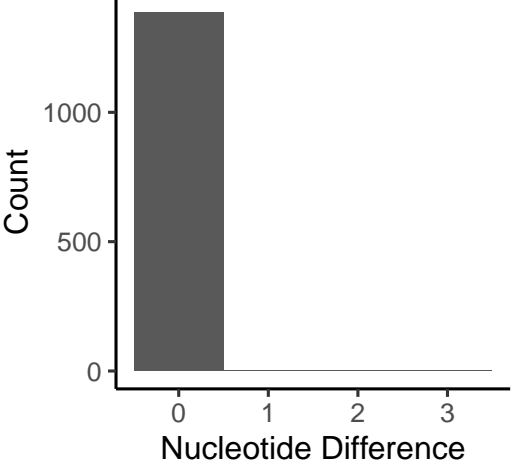
TRBV11-3\*ap01

2604 sequences assigned  
2600 (99.8%) exact matches, in which:  
2597 unique CDR3  
13 unique J



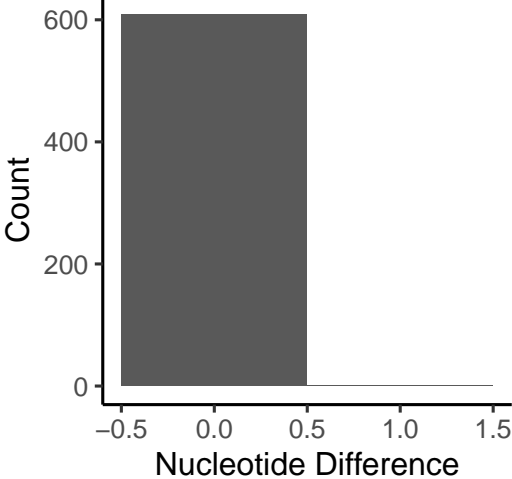
TRBV12-5\*ap01

1391 sequences assigned  
1385 (99.6%) exact matches, in which:  
1384 unique CDR3  
13 unique J



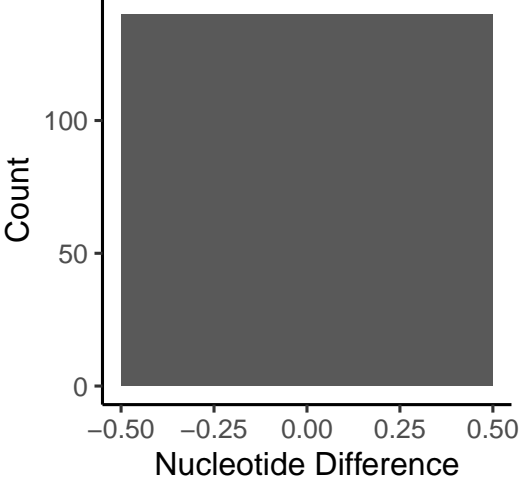
TRBV11-1\*ap01

610 sequences assigned  
609 (99.8%) exact matches, in which:  
607 unique CDR3  
13 unique J



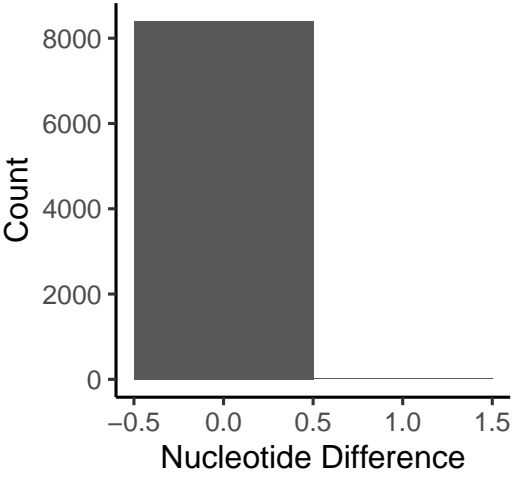
TRBV12-1\*ap01

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



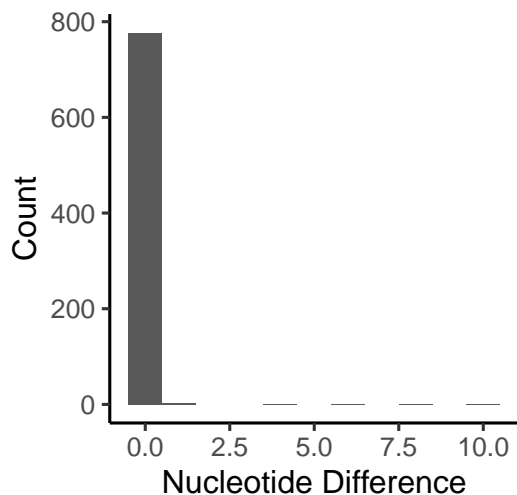
TRBV12-34\*ap01

8420 sequences assigned  
8403 (99.8%) exact matches, in which:  
8398 unique CDR3  
13 unique J



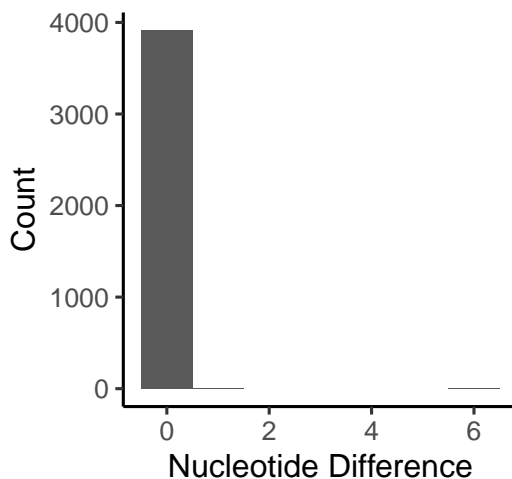
### TRBV23–1\*ap01

784 sequences assigned  
777 (99.1%) exact matches, in which:  
777 unique CDR3  
13 unique J



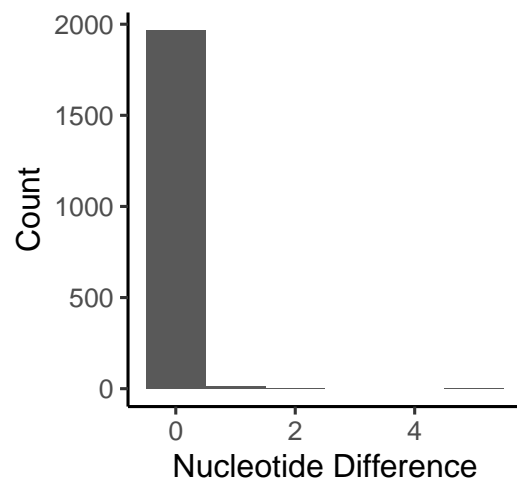
### TRBV4–1\*ap01

3921 sequences assigned  
3913 (99.8%) exact matches, in which:  
3907 unique CDR3  
13 unique J



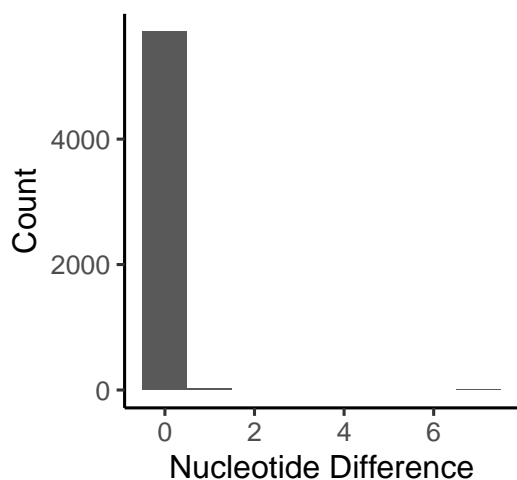
### TRBV25–1\*ap01

1983 sequences assigned  
1966 (99.1%) exact matches, in which:  
1961 unique CDR3  
13 unique J



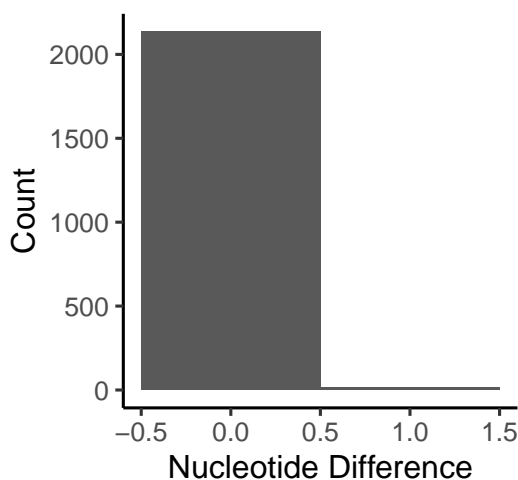
### TRBV3–12\*ap01

5730 sequences assigned  
5712 (99.7%) exact matches, in which:  
5702 unique CDR3  
13 unique J



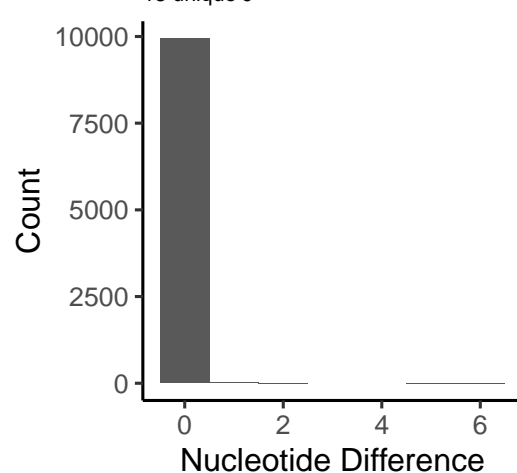
### TRBV4–2\*ap01

2149 sequences assigned  
2135 (99.3%) exact matches, in which:  
2133 unique CDR3  
13 unique J



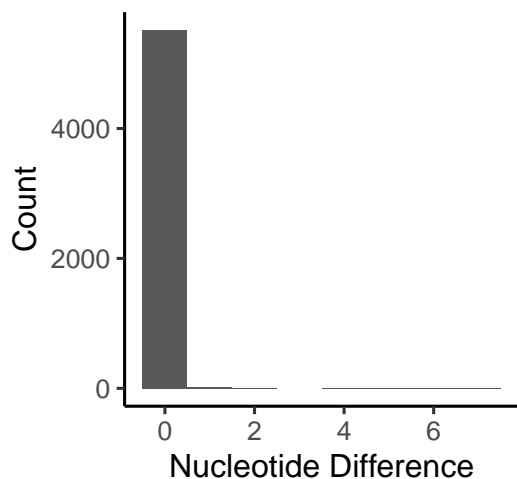
### TRBV5–1\*ap01

9973 sequences assigned  
9943 (99.7%) exact matches, in which:  
9913 unique CDR3  
13 unique J



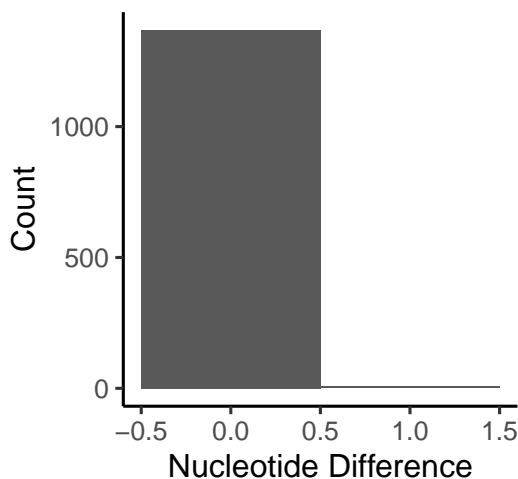
### TRBV24–1\*ap01

5551 sequences assigned  
5516 (99.4%) exact matches, in which:  
5501 unique CDR3  
13 unique J



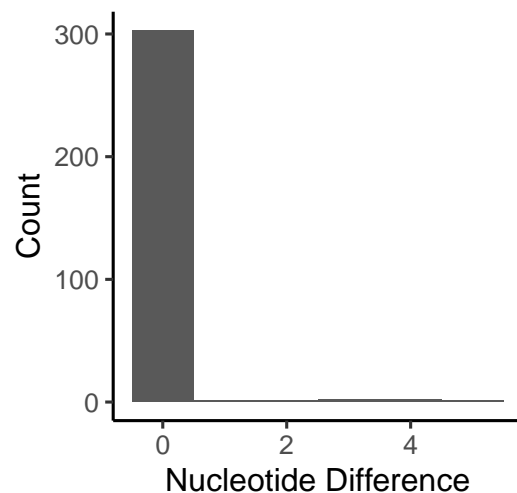
### TRBV4–3\*ap01

1376 sequences assigned  
1369 (99.5%) exact matches, in which:  
1367 unique CDR3  
13 unique J



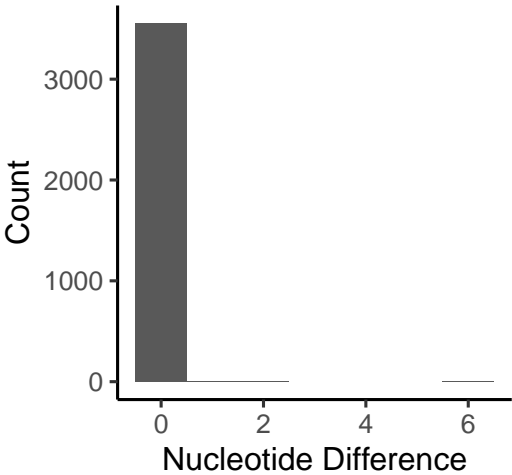
### TRBV5–3\*ap01

310 sequences assigned  
303 (97.7%) exact matches, in which:  
303 unique CDR3  
13 unique J



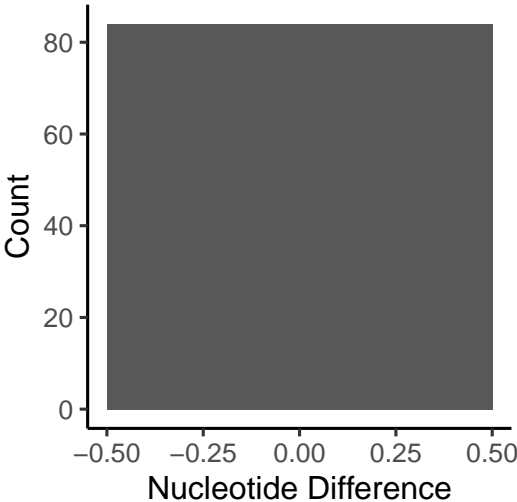
TRBV5-4\*ap01

3560 sequences assigned  
3553 (99.8%) exact matches, in which:  
3552 unique CDR3  
13 unique J



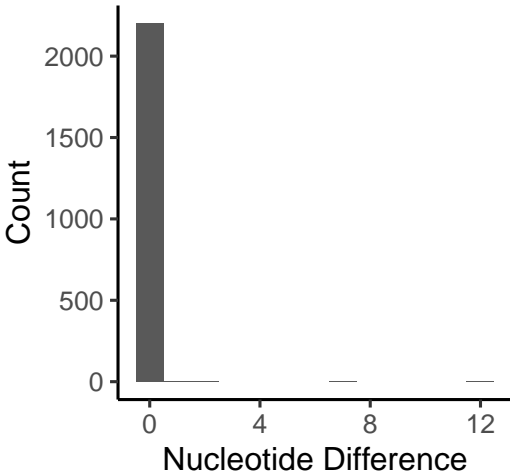
TRBV5-7\*ap01

84 sequences assigned  
84 (100%) exact matches, in which:  
84 unique CDR3  
13 unique J



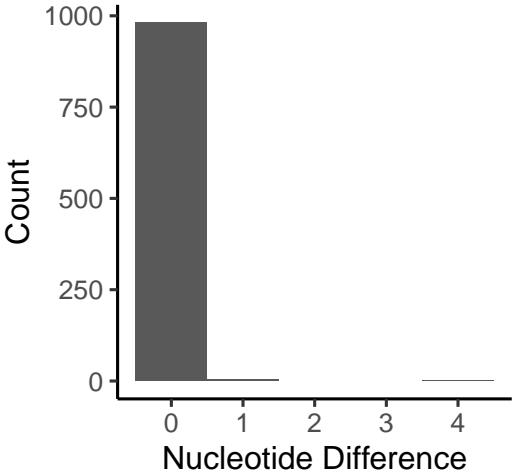
TRBV6-4\*ap01

2211 sequences assigned  
2201 (99.5%) exact matches, in which:  
2198 unique CDR3  
13 unique J



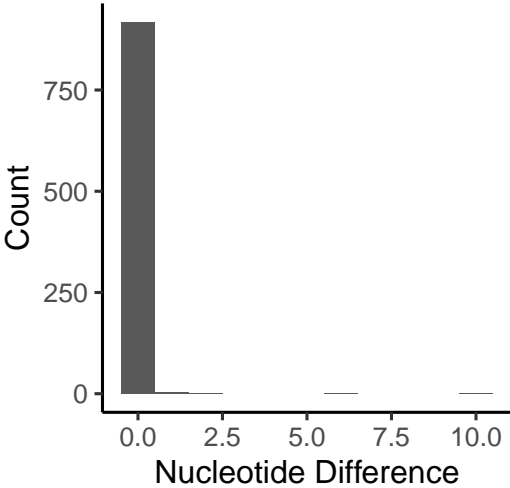
TRBV5-5\*ap01

985 sequences assigned  
981 (99.6%) exact matches, in which:  
981 unique CDR3  
13 unique J



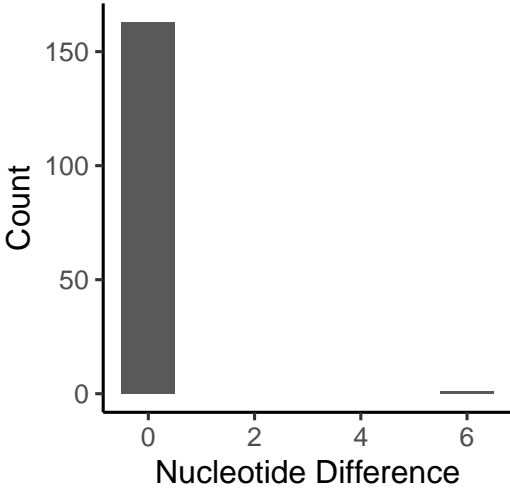
TRBV5-8\*ap01

925 sequences assigned  
918 (99.2%) exact matches, in which:  
918 unique CDR3  
13 unique J



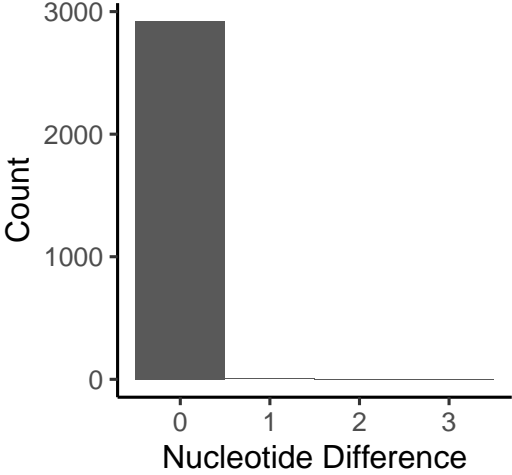
TRBV6-7\*ap01

164 sequences assigned  
163 (99.4%) exact matches, in which:  
163 unique CDR3  
12 unique J



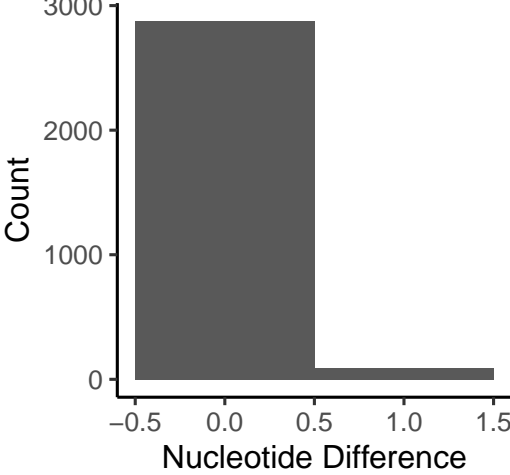
TRBV5-6\*ap01

2933 sequences assigned  
2923 (99.7%) exact matches, in which:  
2921 unique CDR3  
14 unique J



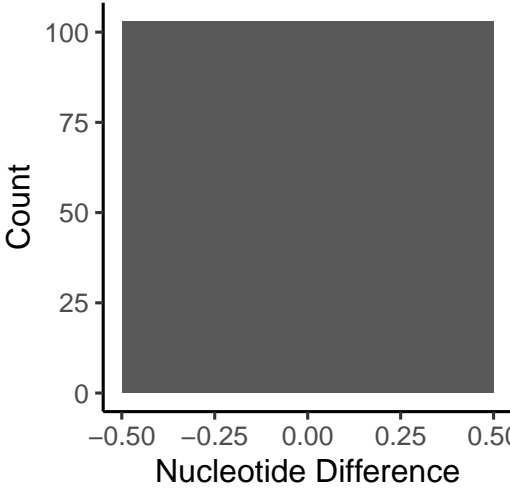
TRBV6-1\*ap01

2967 sequences assigned  
2876 (96.9%) exact matches, in which:  
2868 unique CDR3  
13 unique J



TRBV6-8\*ap01

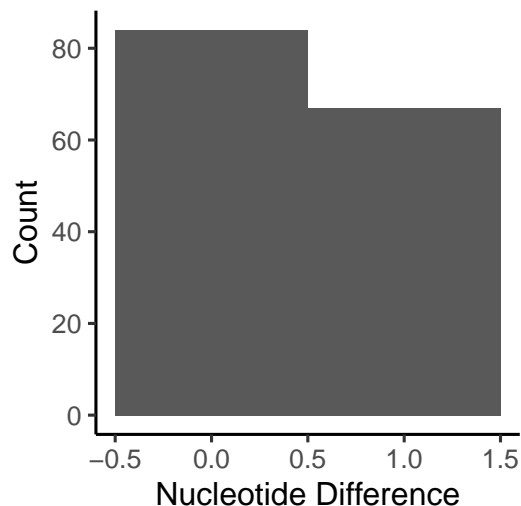
103 sequences assigned  
103 (100%) exact matches, in which:  
103 unique CDR3  
12 unique J





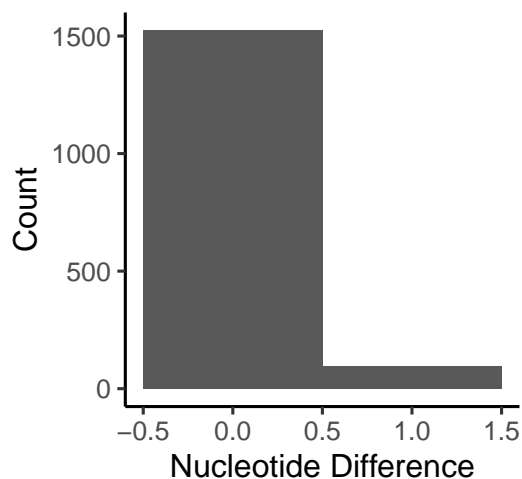
### TRBV6-9\*ap01

151 sequences assigned  
84 (55.6%) exact matches, in which:  
84 unique CDR3  
13 unique J



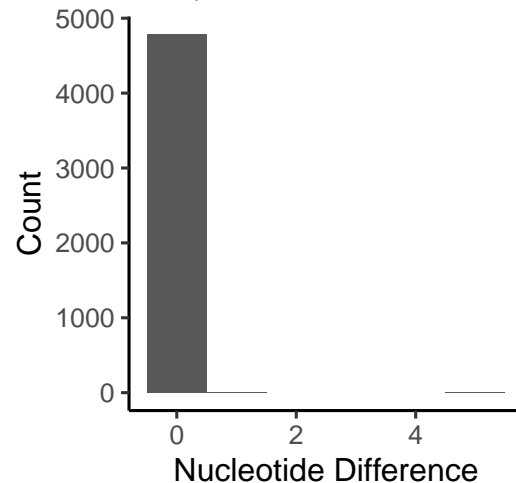
### TRBV6-56\*ap02

1618 sequences assigned  
1524 (94.2%) exact matches, in which:  
1521 unique CDR3  
13 unique J



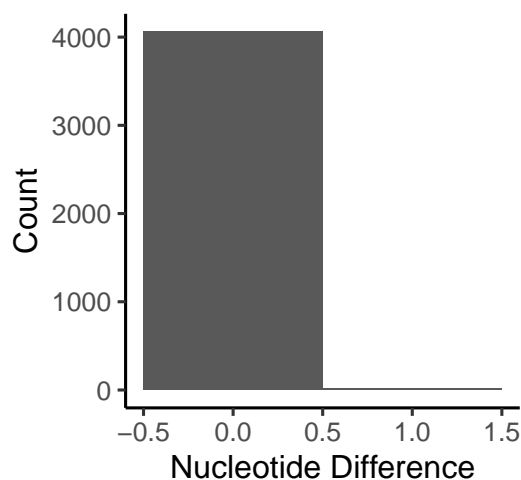
### TRBV7-2\*ap01

4793 sequences assigned  
4784 (99.8%) exact matches, in which:  
4783 unique CDR3  
13 unique J



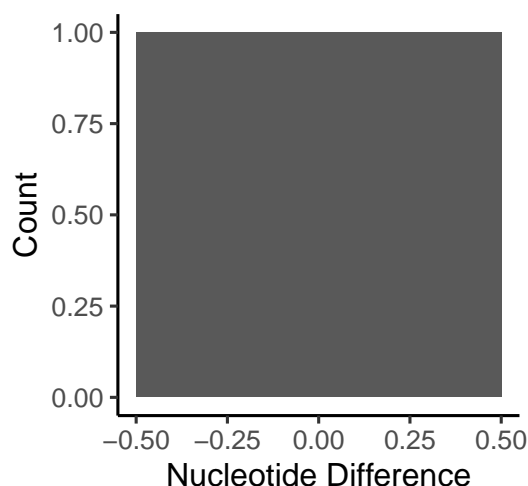
### TRBV6-23\*ap01

4075 sequences assigned  
4061 (99.7%) exact matches, in which:  
4049 unique CDR3  
13 unique J



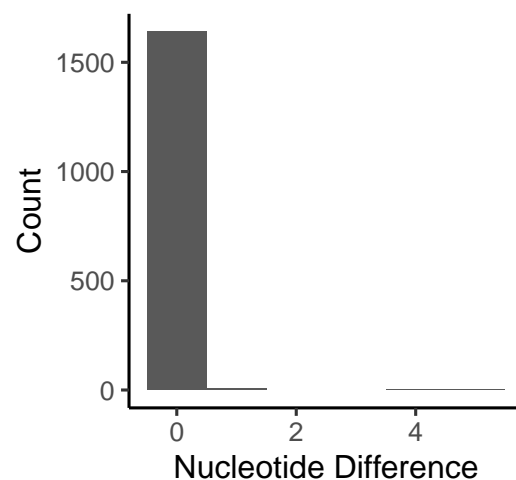
### TRBV7-1\*ap01

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



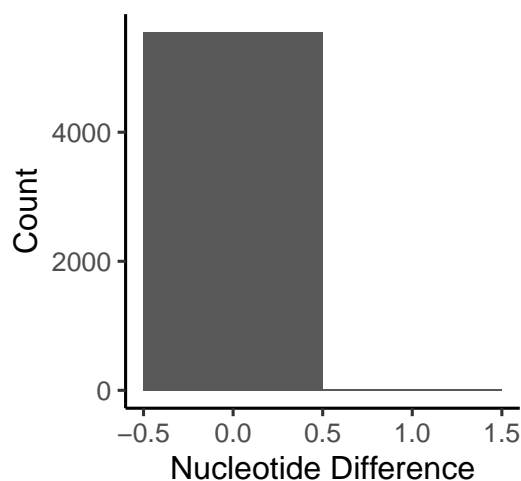
### TRBV7-3\*ap01

1647 sequences assigned  
1640 (99.6%) exact matches, in which:  
1635 unique CDR3  
12 unique J



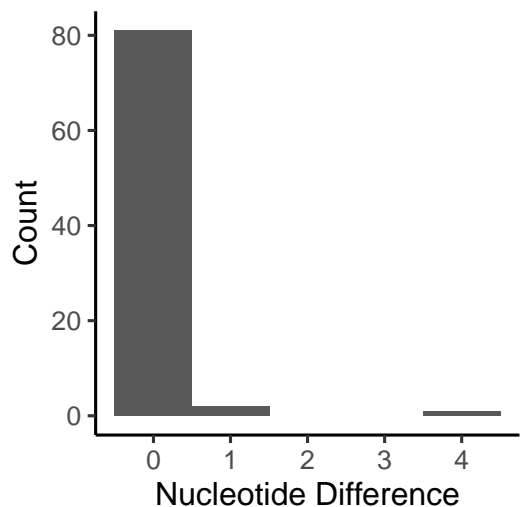
### TRBV6-56\*ap01

5569 sequences assigned  
5553 (99.7%) exact matches, in which:  
5539 unique CDR3  
13 unique J



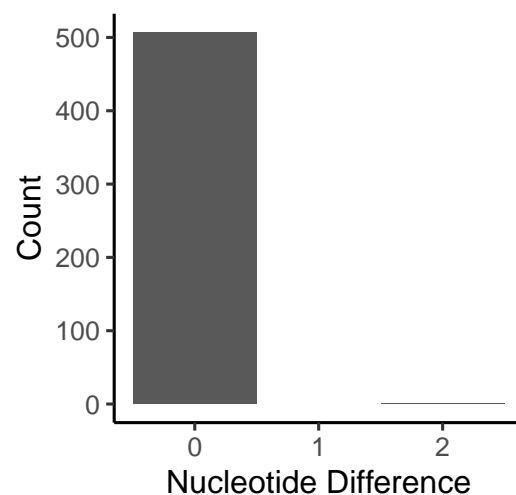
### TRBV7-1\*ap01\_G291C\_T

84 sequences assigned  
81 (96.4%) exact matches, in which:  
81 unique CDR3  
13 unique J



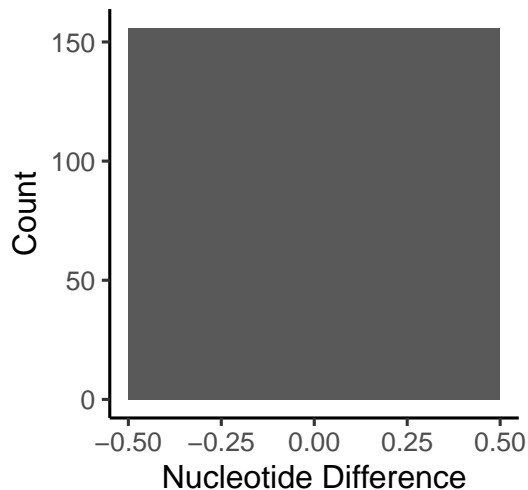
### TRBV7-3\*ap03

508 sequences assigned  
507 (99.8%) exact matches, in which:  
506 unique CDR3  
13 unique J



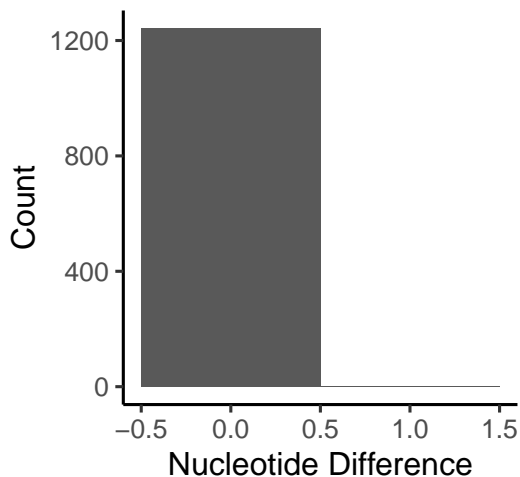
### TRBV7-4\*ap01

156 sequences assigned  
156 (100%) exact matches, in which:  
156 unique CDR3  
12 unique J



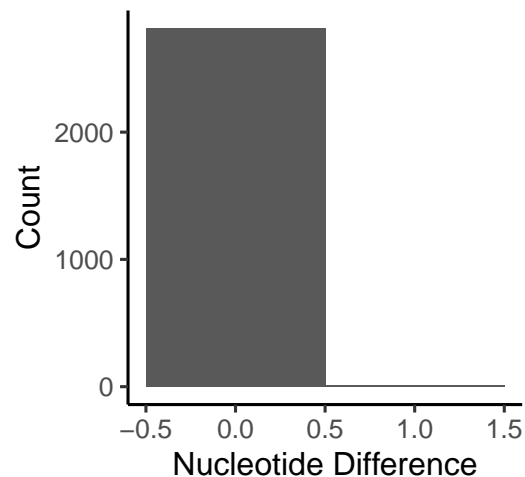
### TRBV7-8\*ap01

1243 sequences assigned  
1242 (99.9%) exact matches, in which:  
1241 unique CDR3  
13 unique J



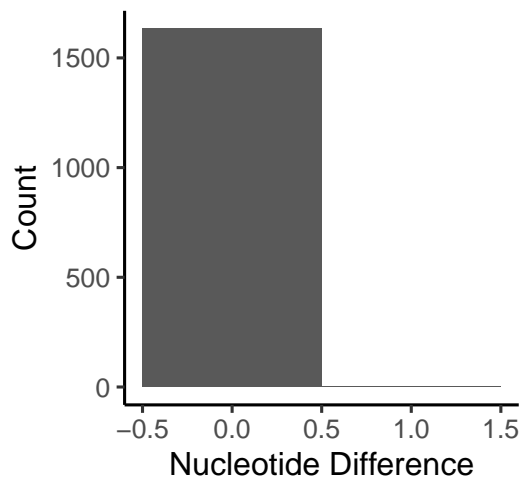
### TRBV29-1\*ap01

2824 sequences assigned  
2815 (99.7%) exact matches, in which:  
2809 unique CDR3  
13 unique J



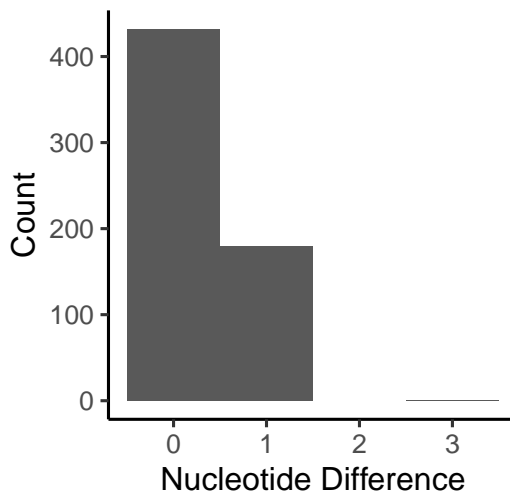
### TRBV7-6\*ap01

1637 sequences assigned  
1633 (99.8%) exact matches, in which:  
1633 unique CDR3  
13 unique J



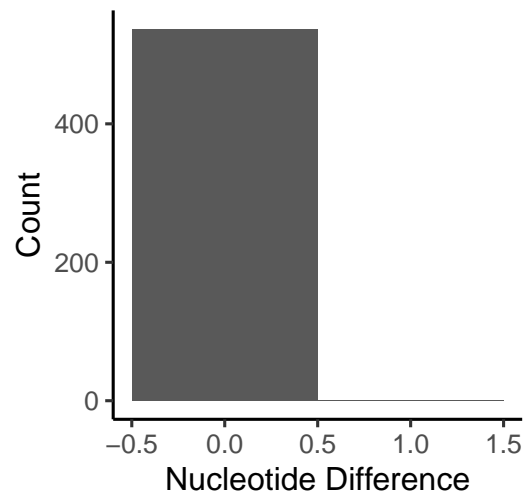
### TRBV7-8\*ap03

613 sequences assigned  
432 (70.5%) exact matches, in which:  
432 unique CDR3  
13 unique J



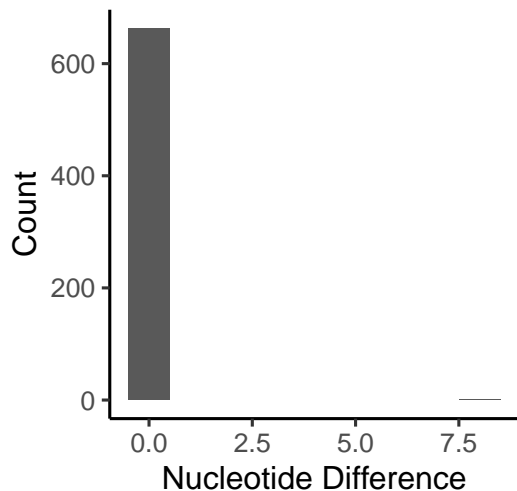
### TRBV29-1\*ap02

538 sequences assigned  
537 (99.8%) exact matches, in which:  
537 unique CDR3  
13 unique J



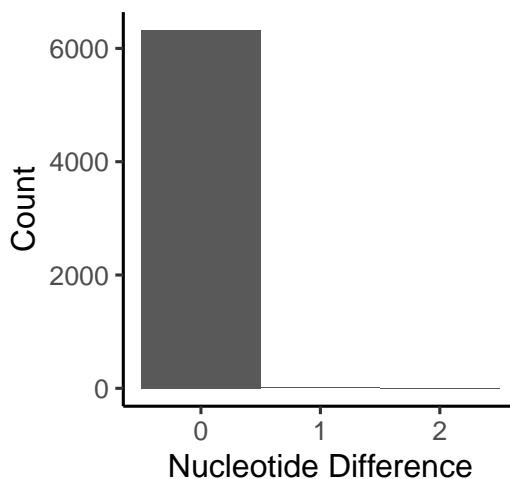
### TRBV7-7\*ap01\_C315T

664 sequences assigned  
663 (99.8%) exact matches, in which:  
662 unique CDR3  
13 unique J

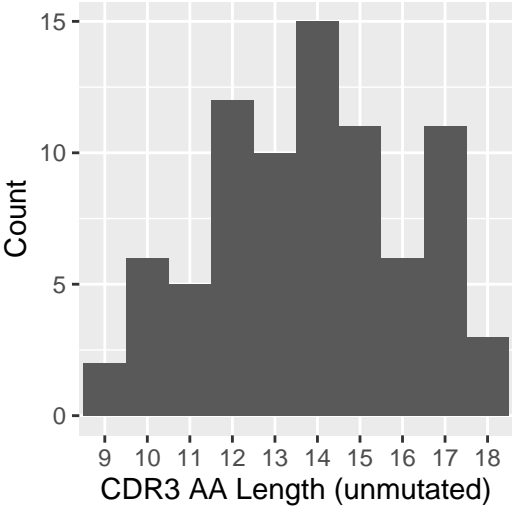


### TRBV7-9\*ap01

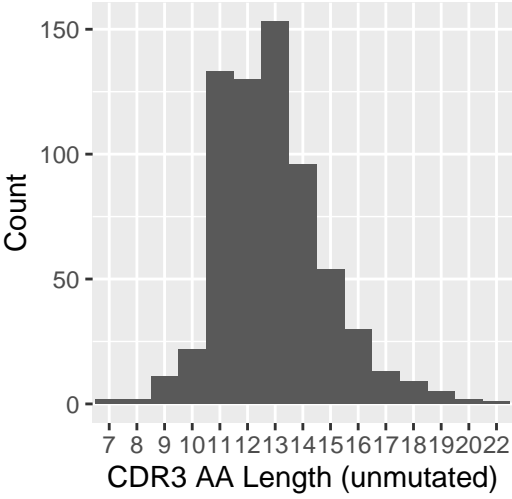
6342 sequences assigned  
6324 (99.7%) exact matches, in which:  
6320 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.