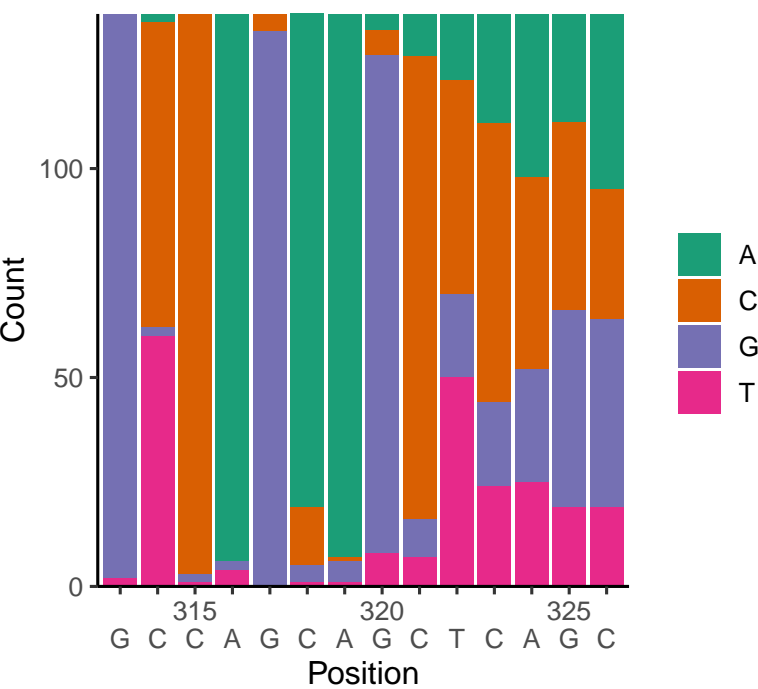
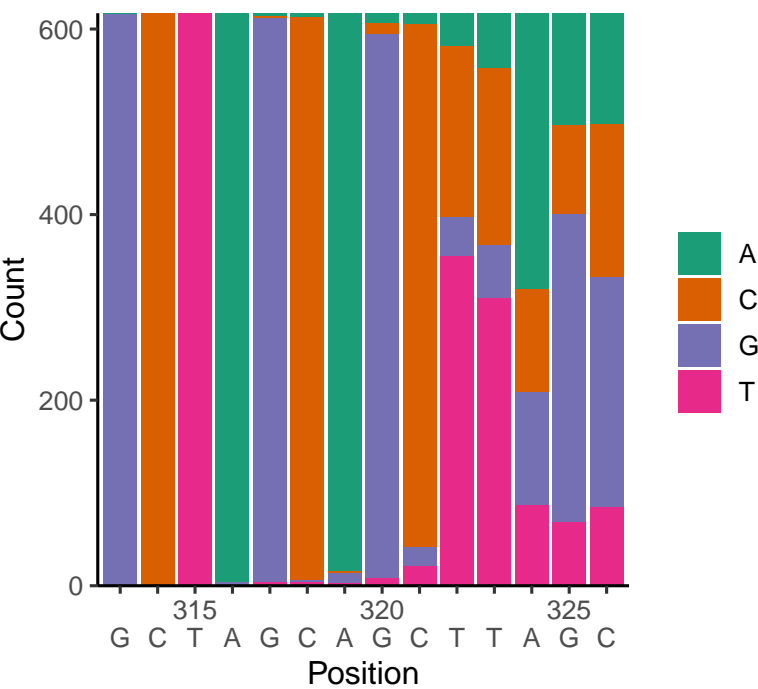


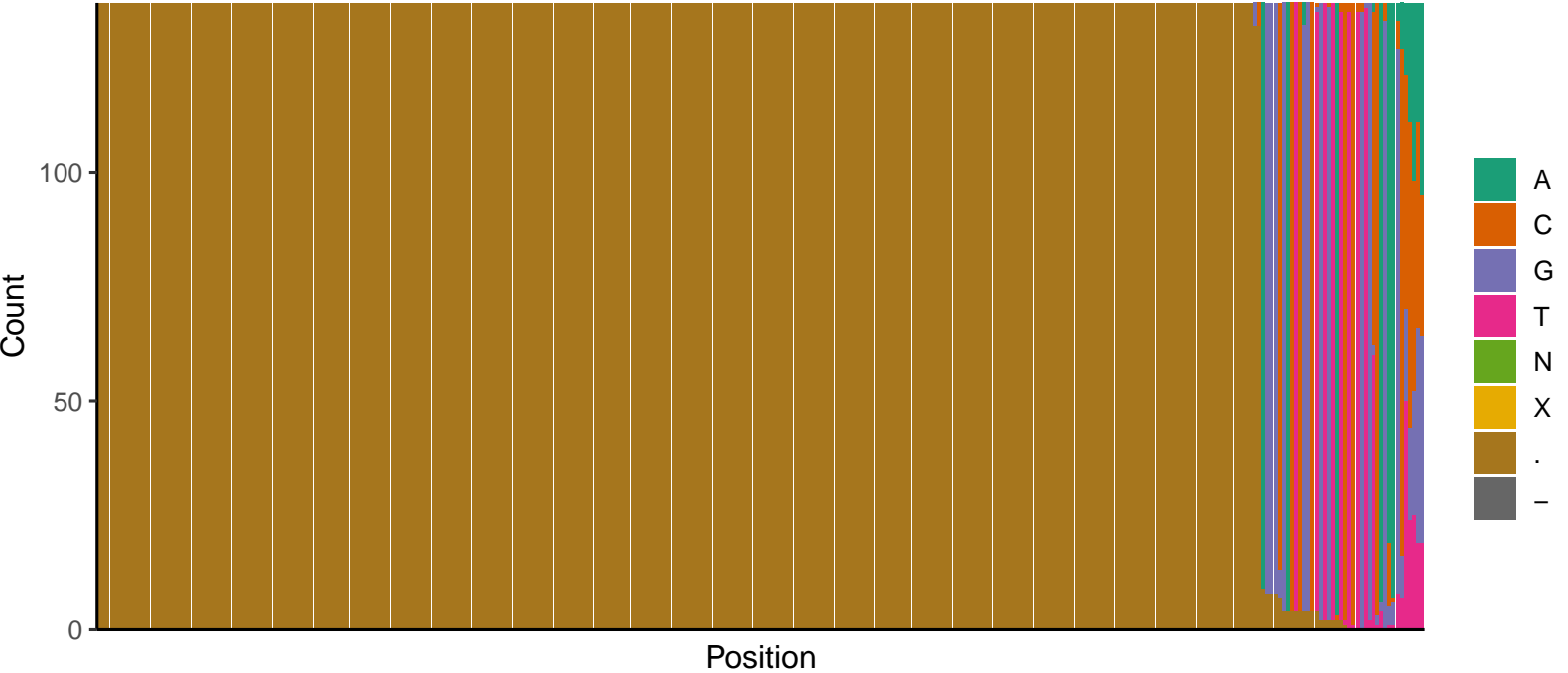
Gene TRBV7-1\*ap01\_T296C



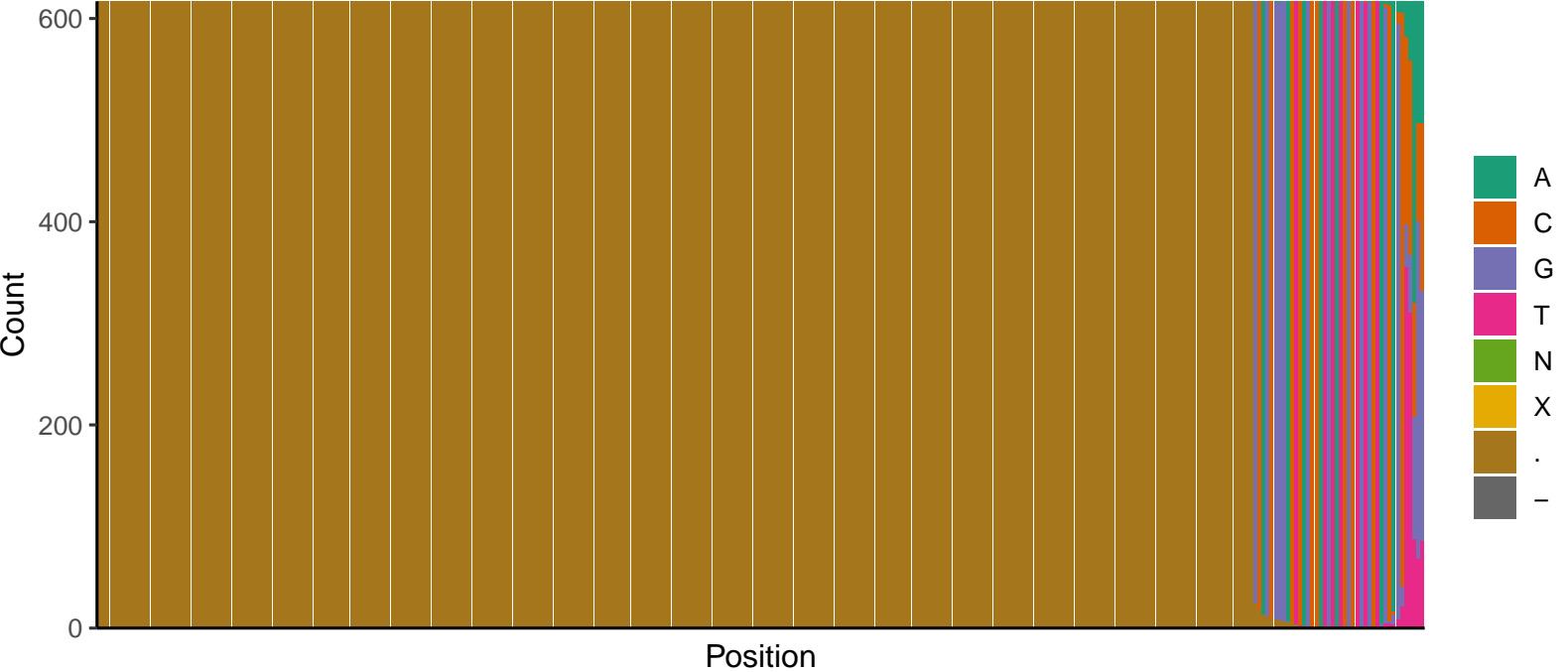
Gene TRBV7-7\*ap01\_C315T



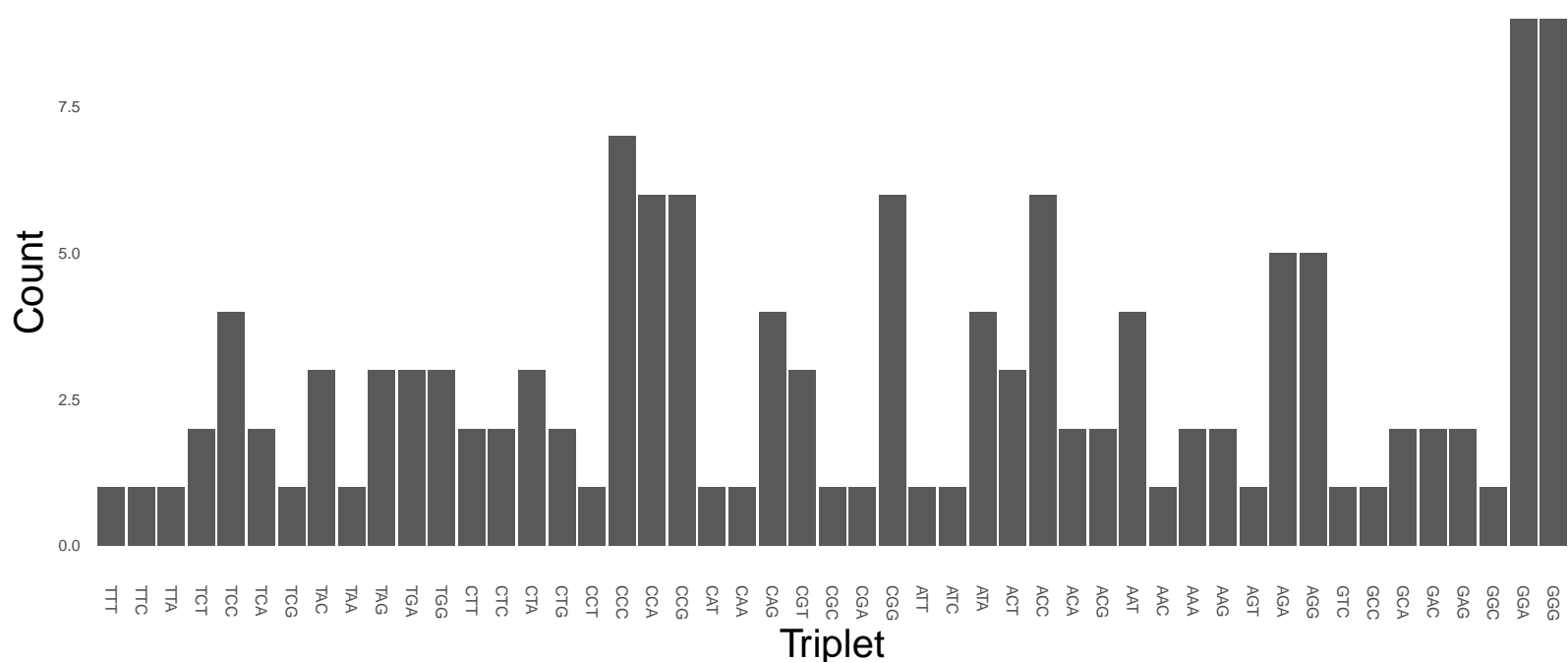
Gene TRBV7-1\*ap01\_T296C



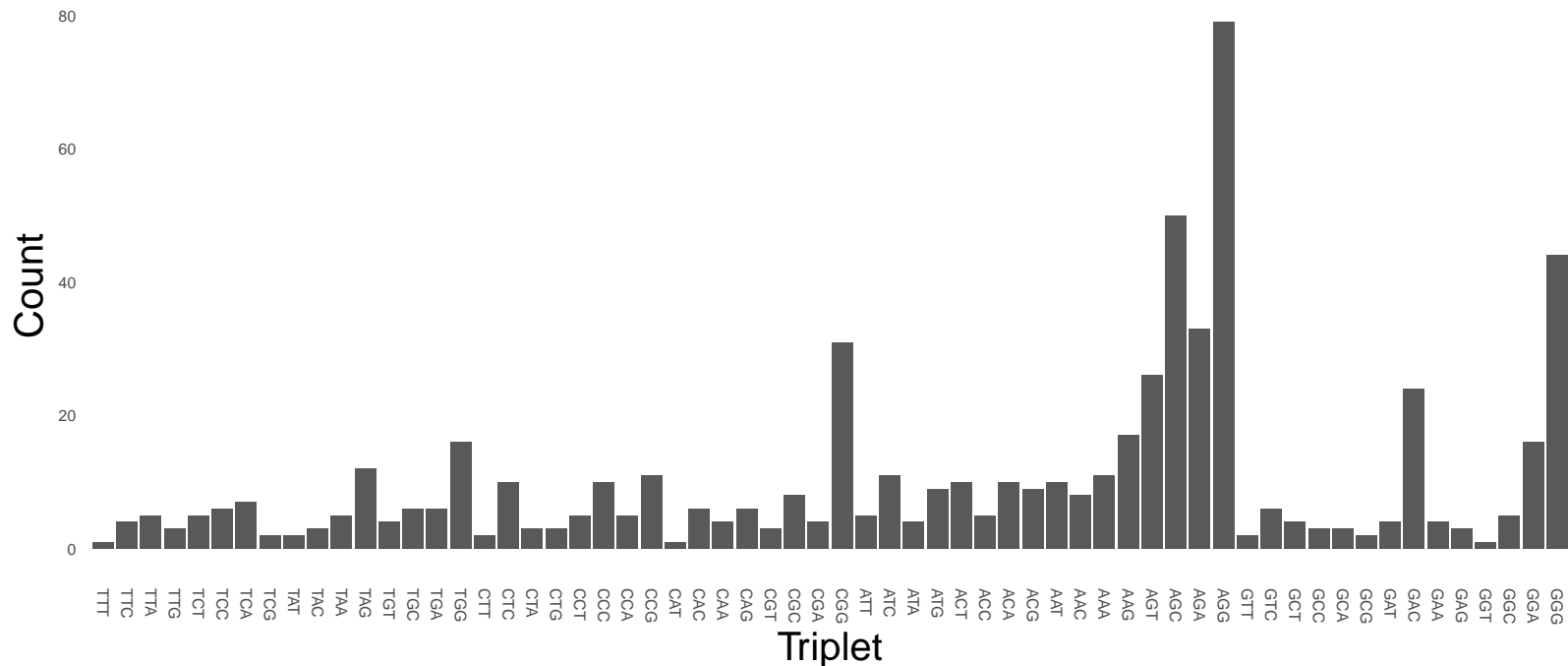
Gene TRBV7-7\*ap01\_C315T



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

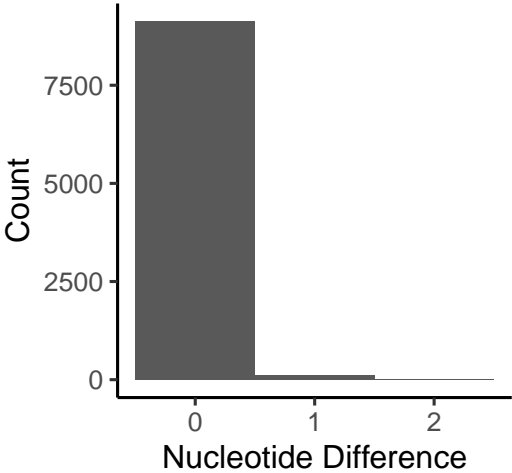


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



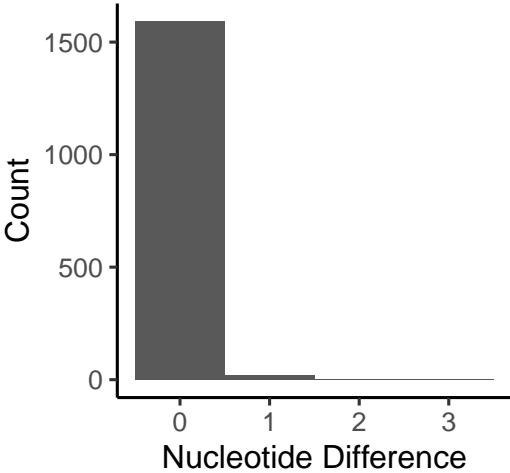
TRBV20-1\*ap01

9247 sequences assigned  
9126 (98.7%) exact matches, in which:  
8955 unique CDR3  
13 unique J



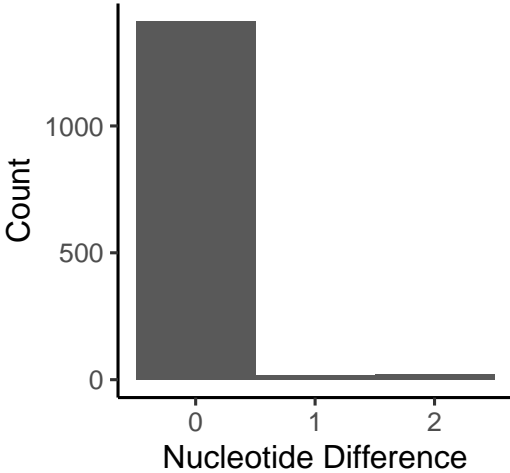
TRBV10-2\*ap01

1614 sequences assigned  
1592 (98.6%) exact matches, in which:  
1558 unique CDR3  
13 unique J



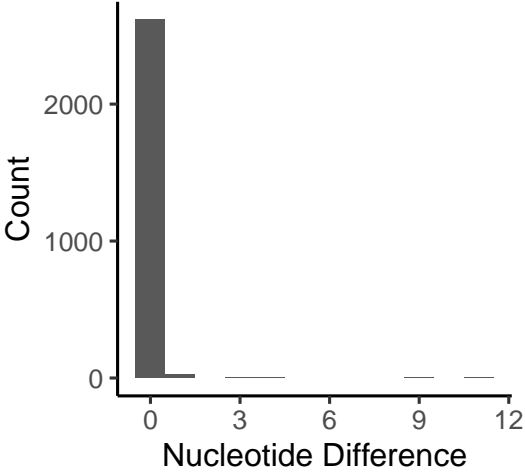
TRBV13\*ap01

1453 sequences assigned  
1412 (97.2%) exact matches, in which:  
1375 unique CDR3  
13 unique J



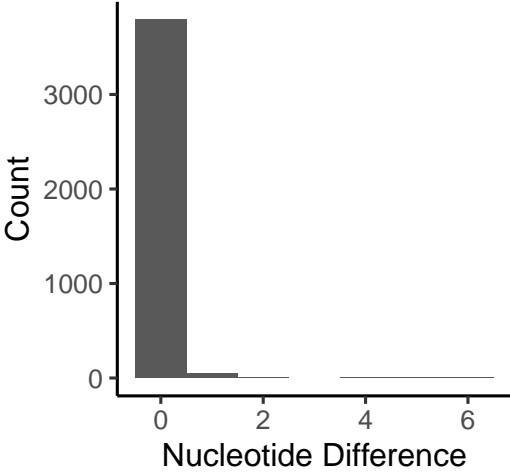
TRBV10-1\*ap01

2646 sequences assigned  
2616 (98.9%) exact matches, in which:  
2550 unique CDR3  
14 unique J



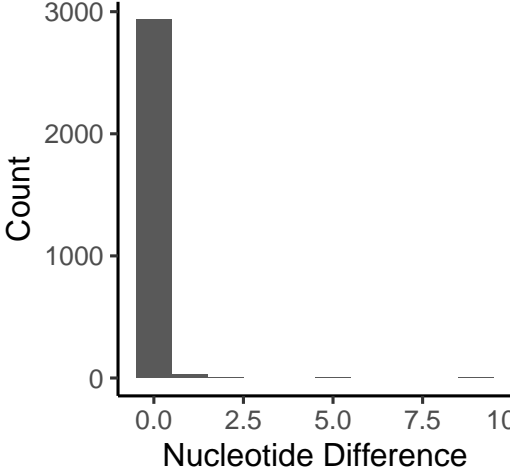
TRBV10-3\*ap01

3845 sequences assigned  
3791 (98.6%) exact matches, in which:  
3689 unique CDR3  
13 unique J



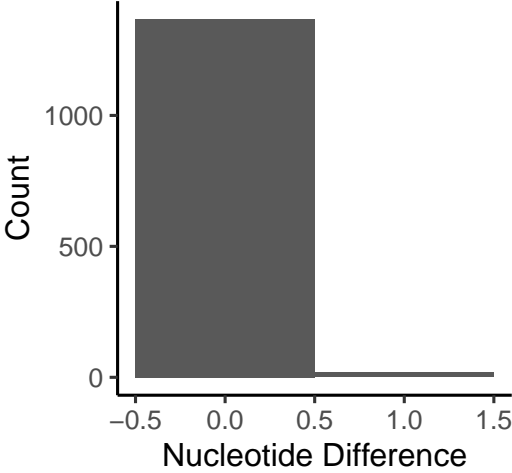
TRBV14\*ap01

2965 sequences assigned  
2934 (99%) exact matches, in which:  
2879 unique CDR3  
13 unique J



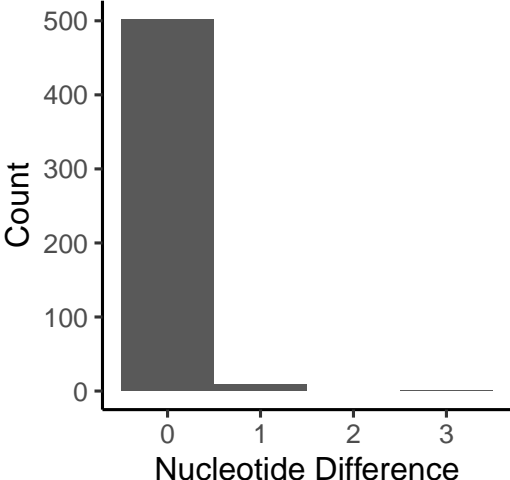
TRBV20-1\*ap02

1387 sequences assigned  
1368 (98.6%) exact matches, in which:  
1348 unique CDR3  
13 unique J



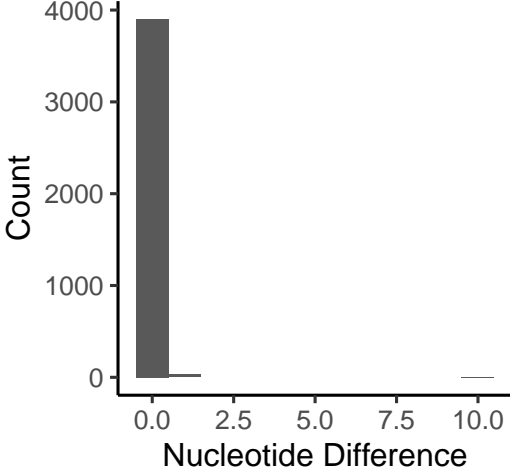
TRBV1\*ap01

512 sequences assigned  
502 (98%) exact matches, in which:  
484 unique CDR3  
13 unique J



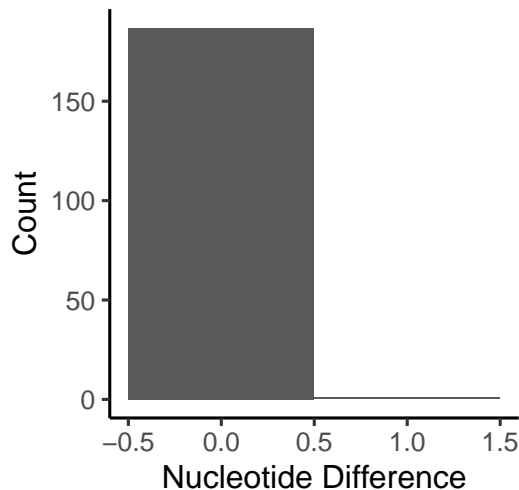
TRBV15\*ap02

3934 sequences assigned  
3902 (99.2%) exact matches, in which:  
3810 unique CDR3  
13 unique J



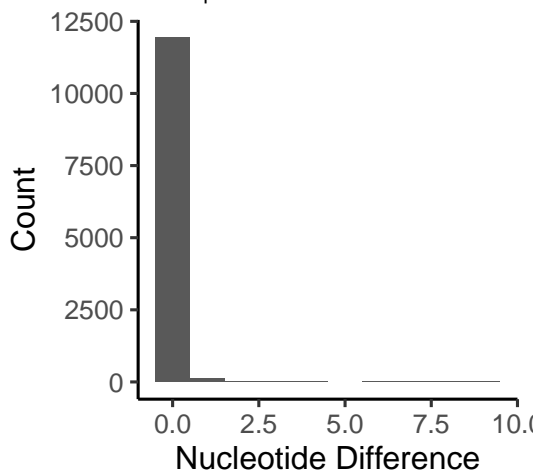
### TRBV16\*ap01

188 sequences assigned  
187 (99.5%) exact matches, in which:  
185 unique CDR3  
12 unique J



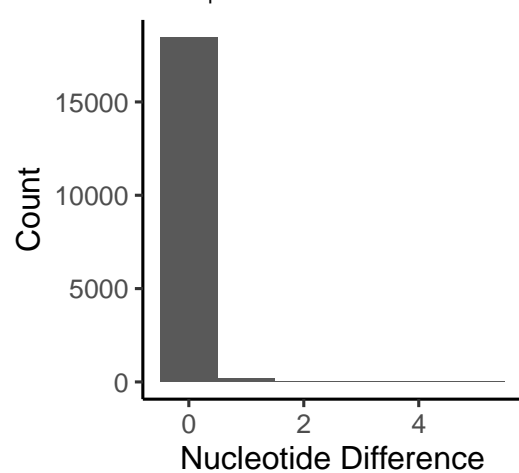
### TRBV19\*ap01

12110 sequences assigned  
11952 (98.7%) exact matches, in which:  
11816 unique CDR3  
13 unique J



### TRBV28\*ap01

18662 sequences assigned  
18471 (99%) exact matches, in which:  
18128 unique CDR3  
13 unique J



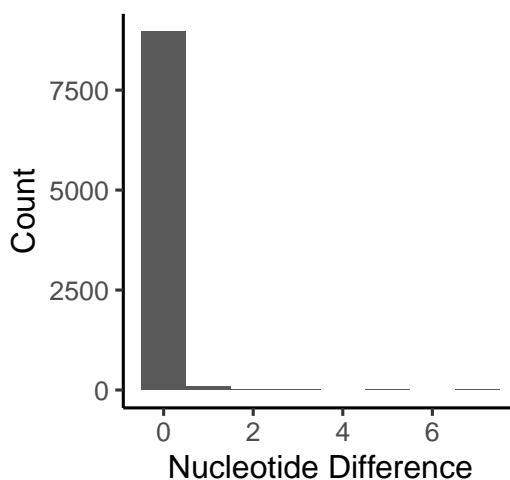
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



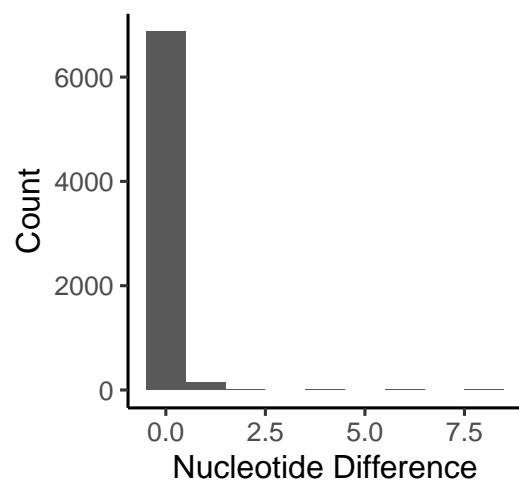
### TRBV2\*ap01

9053 sequences assigned  
8961 (99%) exact matches, in which:  
8792 unique CDR3  
13 unique J



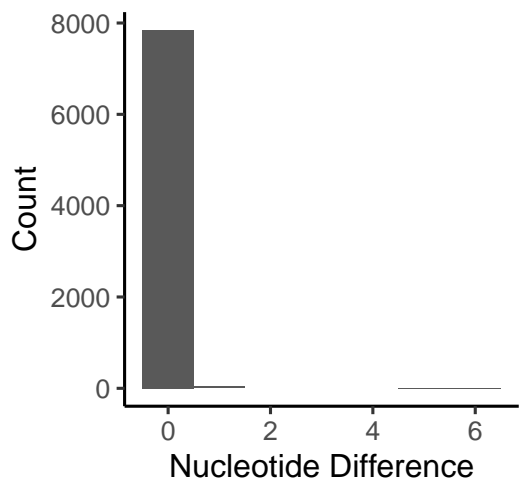
### TRBV30\*ap01

7016 sequences assigned  
6870 (97.9%) exact matches, in which:  
6720 unique CDR3  
13 unique J



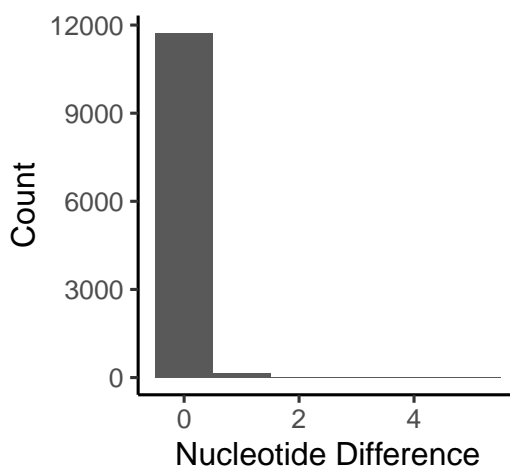
### TRBV18\*ap01

7892 sequences assigned  
7846 (99.4%) exact matches, in which:  
7749 unique CDR3  
13 unique J



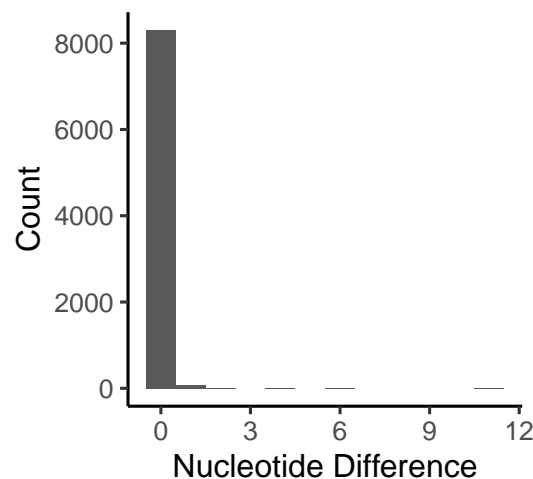
### TRBV27\*ap01

11894 sequences assigned  
11737 (98.7%) exact matches, in which:  
11442 unique CDR3  
13 unique J



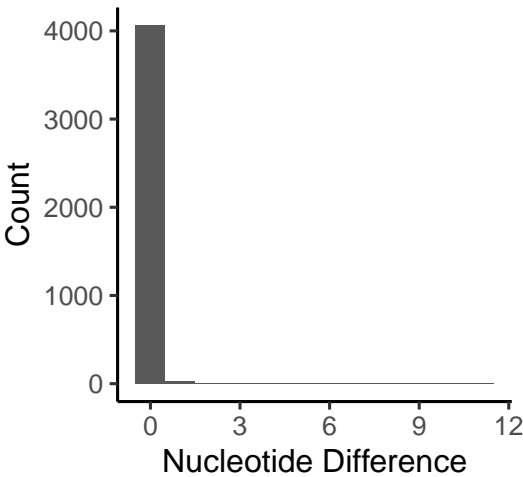
### TRBV9\*ap01

8389 sequences assigned  
8304 (99%) exact matches, in which:  
8172 unique CDR3  
13 unique J



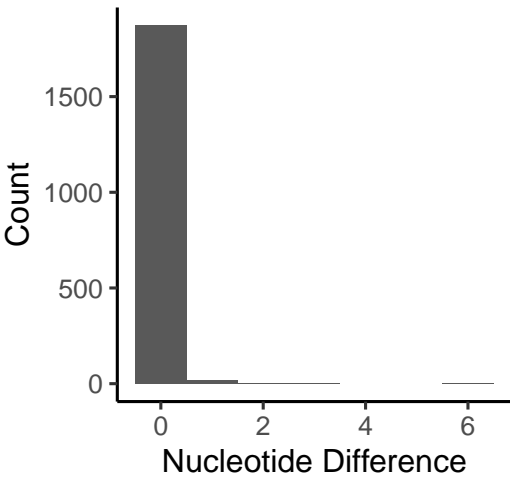
TRBV21-1\*ap01

4112 sequences assigned  
4062 (98.8%) exact matches, in which:  
4004 unique CDR3  
13 unique J



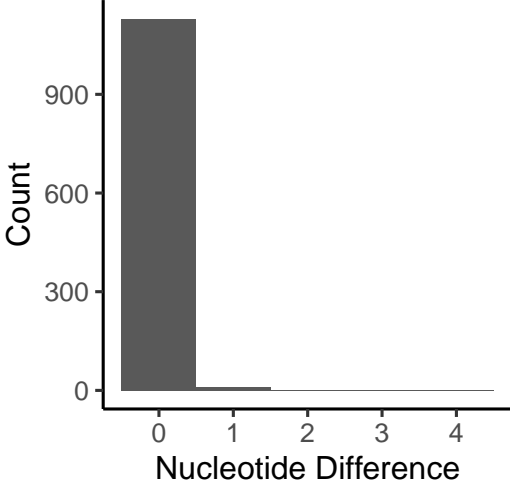
TRBV11-3\*ap01

1894 sequences assigned  
1872 (98.8%) exact matches, in which:  
1844 unique CDR3  
13 unique J



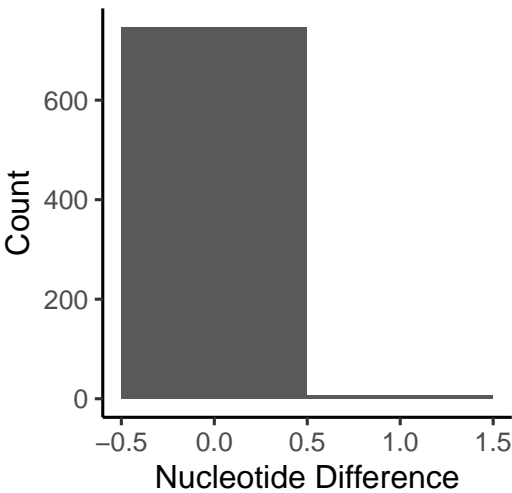
TRBV12-5\*ap01

1144 sequences assigned  
1130 (98.8%) exact matches, in which:  
1109 unique CDR3  
13 unique J



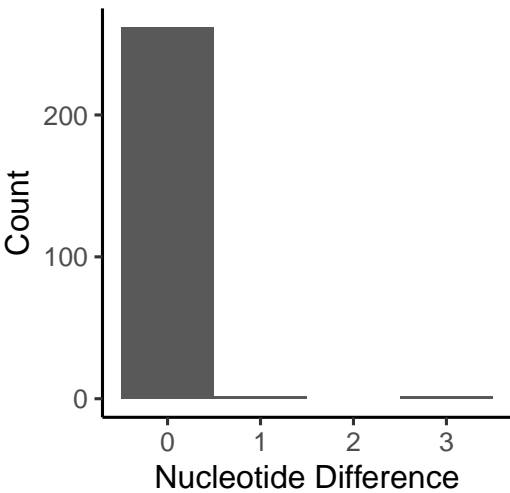
TRBV11-1\*ap01

755 sequences assigned  
747 (98.9%) exact matches, in which:  
734 unique CDR3  
13 unique J



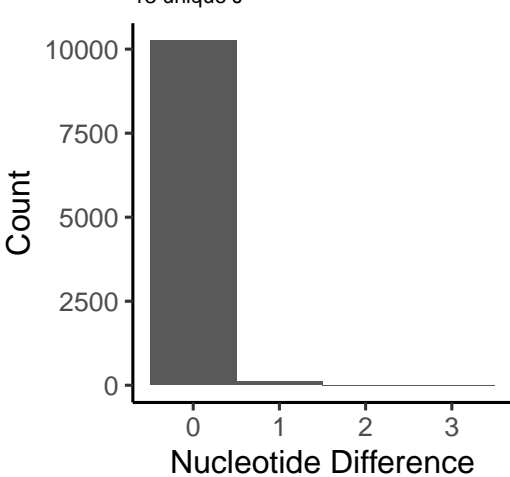
TRBV12-1\*ap01

266 sequences assigned  
262 (98.5%) exact matches, in which:  
255 unique CDR3  
12 unique J



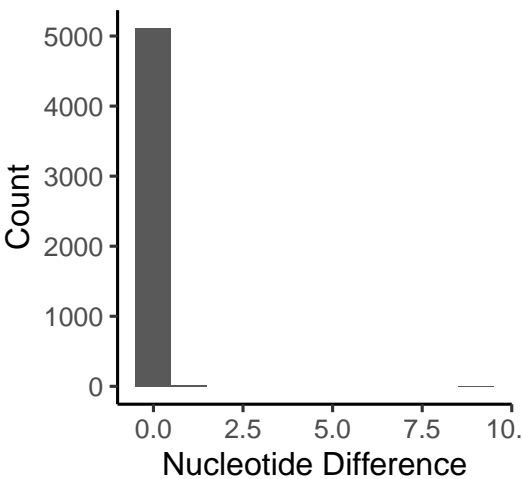
TRBV12-34\*ap01

10376 sequences assigned  
10258 (98.9%) exact matches, in which:  
10042 unique CDR3  
13 unique J



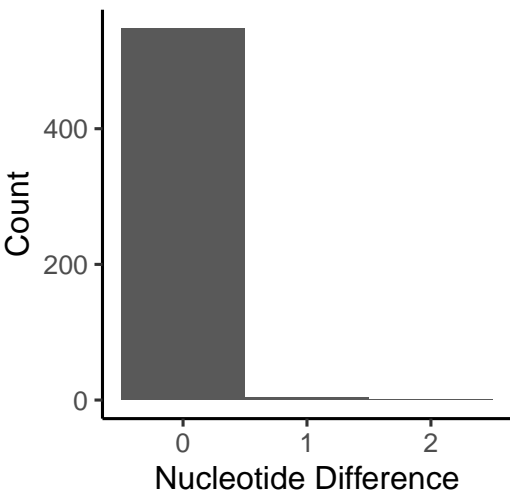
TRBV11-2\*ap01

5138 sequences assigned  
5114 (99.5%) exact matches, in which:  
5061 unique CDR3  
13 unique J



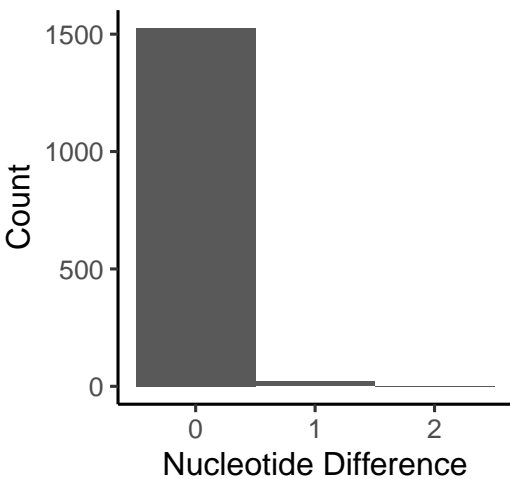
TRBV12-2\*ap01

553 sequences assigned  
548 (99.1%) exact matches, in which:  
537 unique CDR3  
13 unique J



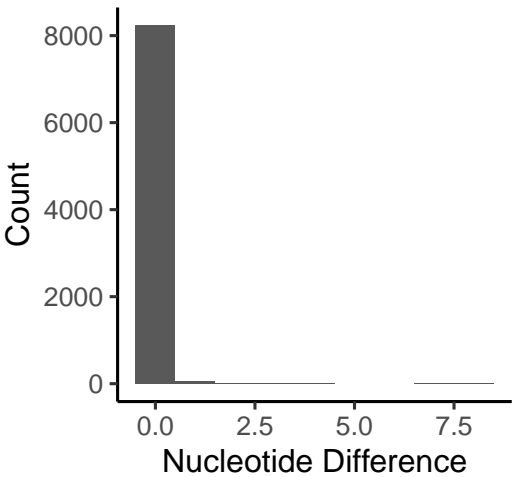
TRBV23-1\*ap01

1548 sequences assigned  
1526 (98.6%) exact matches, in which:  
1490 unique CDR3  
13 unique J



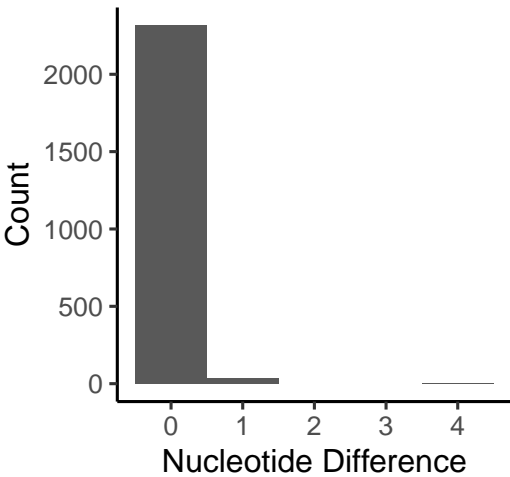
TRBV3-12\*ap01

8306 sequences assigned  
8235 (99.1%) exact matches, in which:  
8111 unique CDR3  
13 unique J



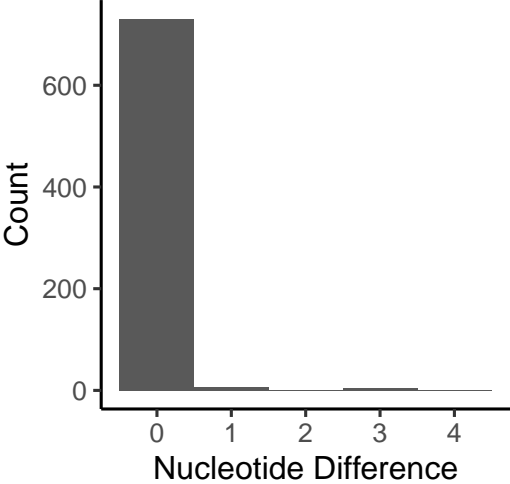
TRBV4-2\*ap01

2352 sequences assigned  
2316 (98.5%) exact matches, in which:  
2264 unique CDR3  
13 unique J



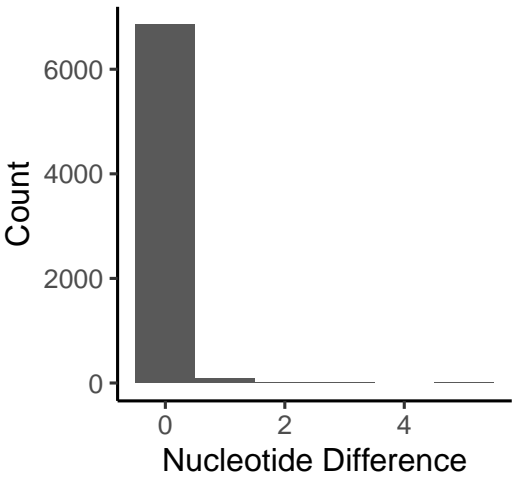
TRBV5-3\*ap01

744 sequences assigned  
731 (98.3%) exact matches, in which:  
716 unique CDR3  
13 unique J



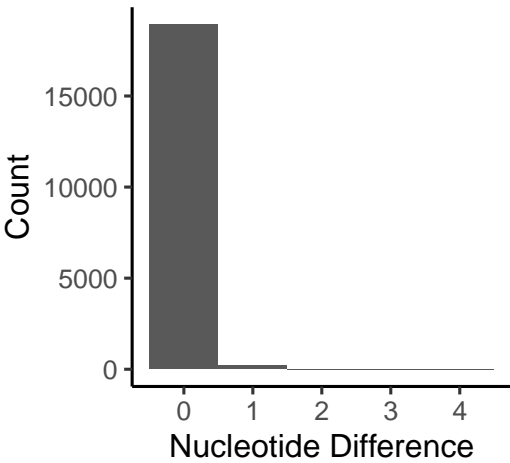
TRBV4-1\*ap01

6943 sequences assigned  
6851 (98.7%) exact matches, in which:  
6682 unique CDR3  
13 unique J



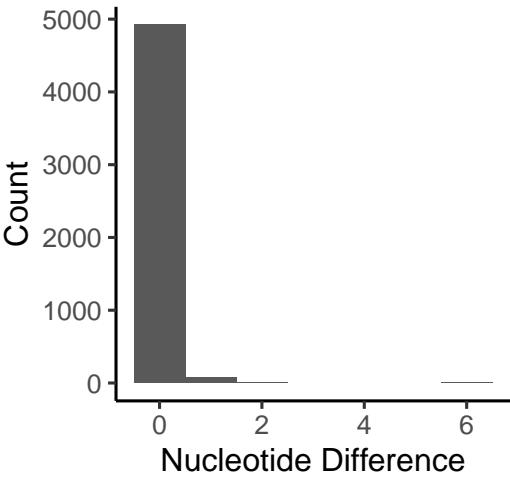
TRBV5-1\*ap01

19127 sequences assigned  
18926 (98.9%) exact matches, in which:  
18387 unique CDR3  
13 unique J



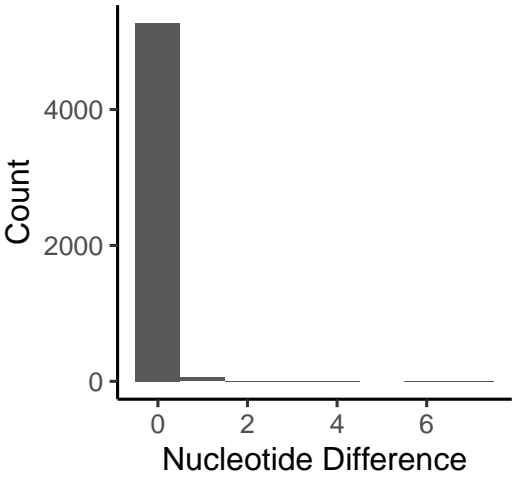
TRBV5-4\*ap01

4996 sequences assigned  
4923 (98.5%) exact matches, in which:  
4787 unique CDR3  
13 unique J



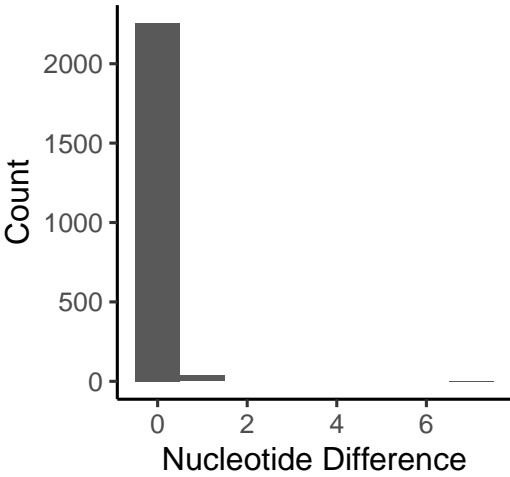
TRBV24-1\*ap01

5333 sequences assigned  
5273 (98.9%) exact matches, in which:  
5180 unique CDR3  
13 unique J



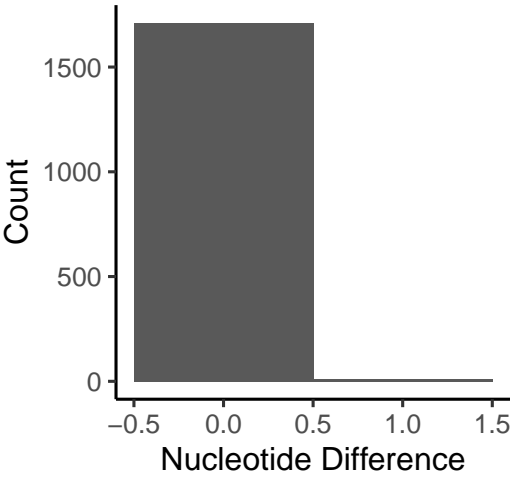
TRBV25-1\*ap01

2294 sequences assigned  
2256 (98.3%) exact matches, in which:  
2188 unique CDR3  
13 unique J



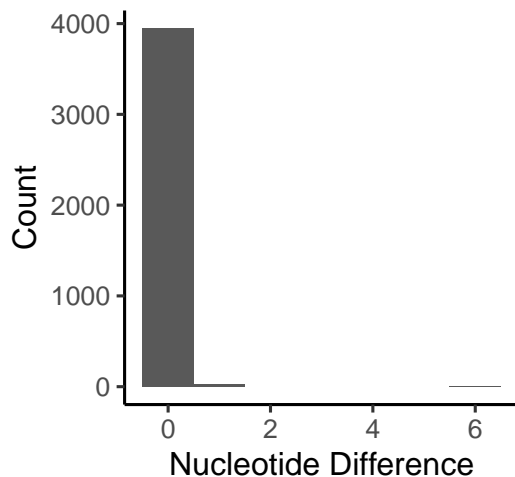
TRBV5-5\*ap01

1721 sequences assigned  
1710 (99.4%) exact matches, in which:  
1699 unique CDR3  
13 unique J



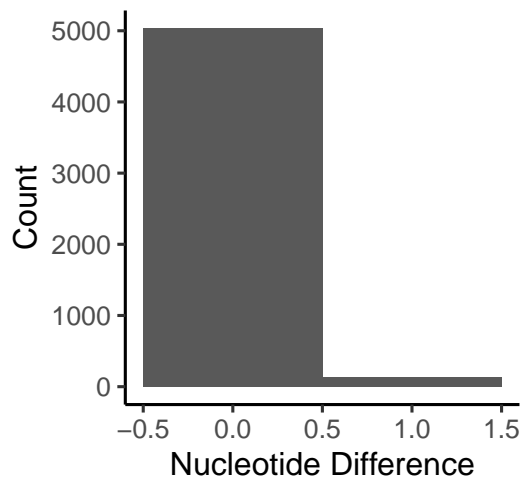
### TRBV5-6\*ap01

3979 sequences assigned  
3947 (99.2%) exact matches, in which:  
3807 unique CDR3  
13 unique J



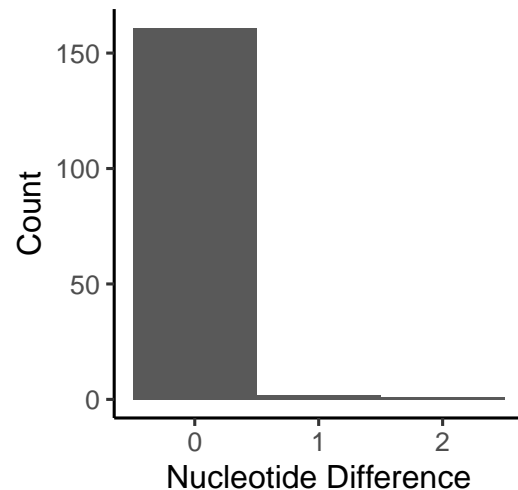
### TRBV6-1\*ap01

5164 sequences assigned  
5033 (97.5%) exact matches, in which:  
4889 unique CDR3  
13 unique J



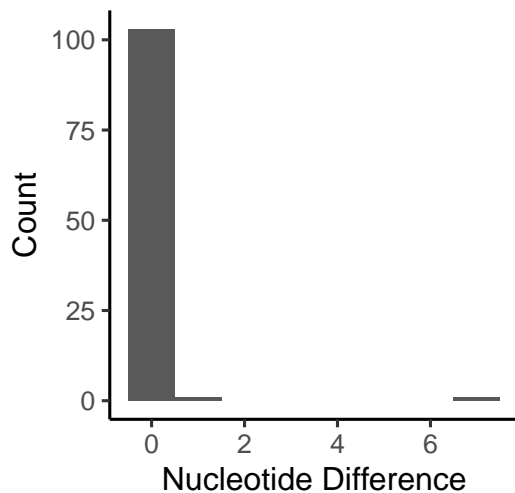
### TRBV6-8\*ap01

164 sequences assigned  
161 (98.2%) exact matches, in which:  
153 unique CDR3  
13 unique J



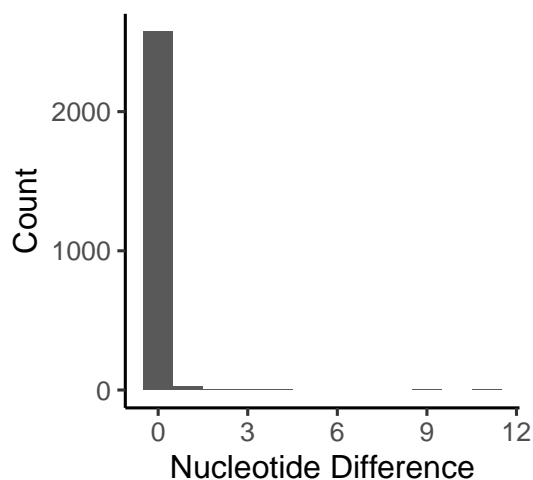
### TRBV5-7\*ap01

105 sequences assigned  
103 (98.1%) exact matches, in which:  
100 unique CDR3  
13 unique J



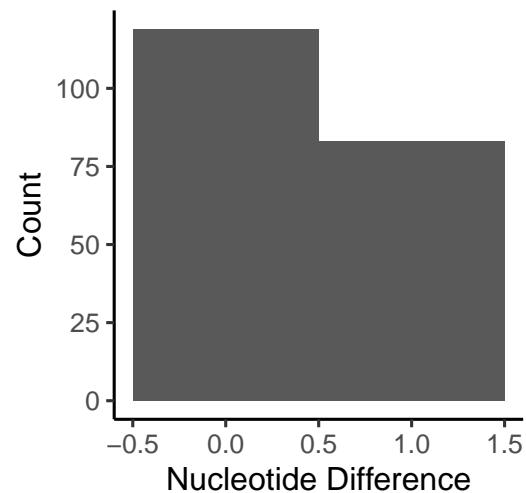
### TRBV6-4\*ap01

2608 sequences assigned  
2574 (98.7%) exact matches, in which:  
2524 unique CDR3  
13 unique J



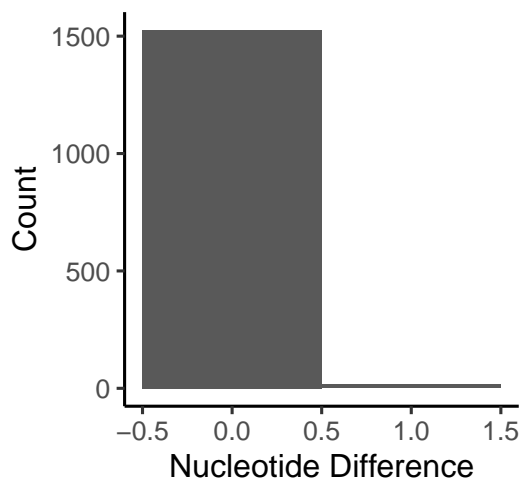
### TRBV6-9\*ap01

202 sequences assigned  
119 (58.9%) exact matches, in which:  
116 unique CDR3  
13 unique J



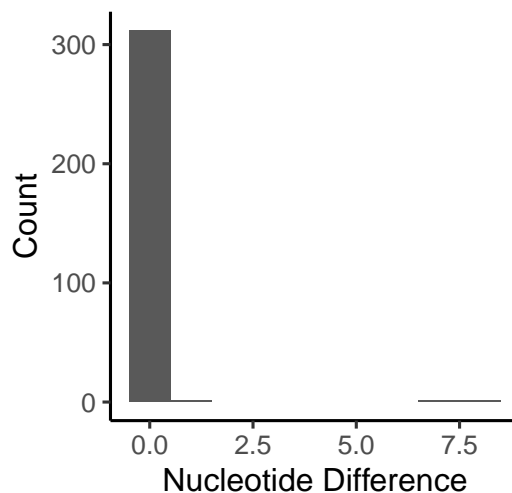
### TRBV5-8\*ap01

1542 sequences assigned  
1526 (99%) exact matches, in which:  
1500 unique CDR3  
13 unique J



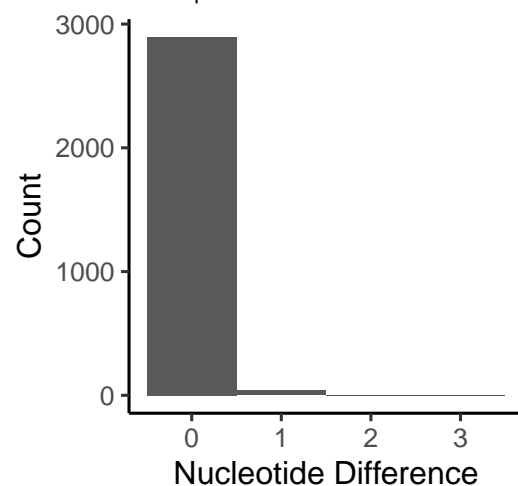
### TRBV6-7\*ap01

315 sequences assigned  
312 (99%) exact matches, in which:  
297 unique CDR3  
13 unique J



### TRBV6-23\*ap01

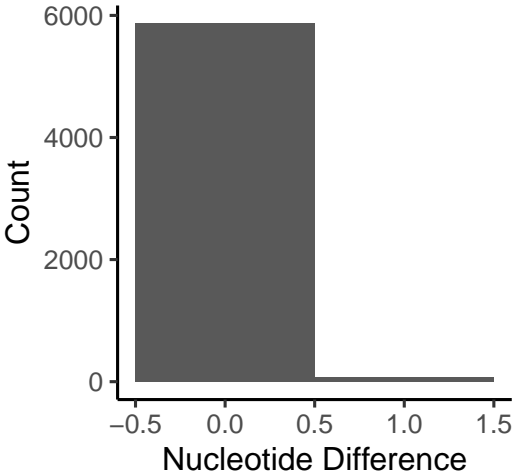
2938 sequences assigned  
2895 (98.5%) exact matches, in which:  
2796 unique CDR3  
13 unique J





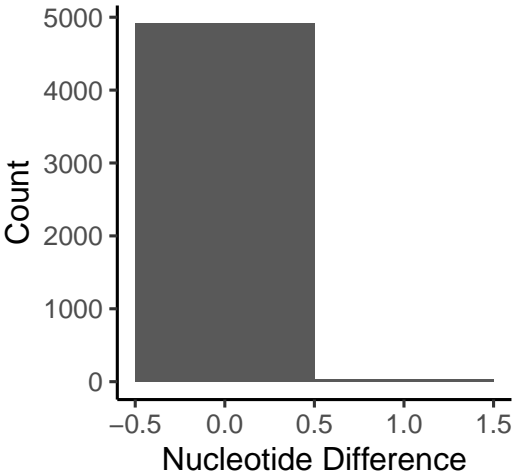
TRBV6-56\*ap01

5939 sequences assigned  
5869 (98.8%) exact matches, in which:  
5692 unique CDR3  
13 unique J



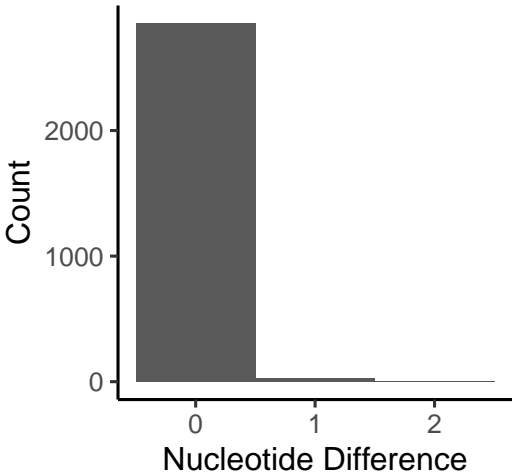
TRBV7-2\*ap01

4950 sequences assigned  
4915 (99.3%) exact matches, in which:  
4832 unique CDR3  
13 unique J



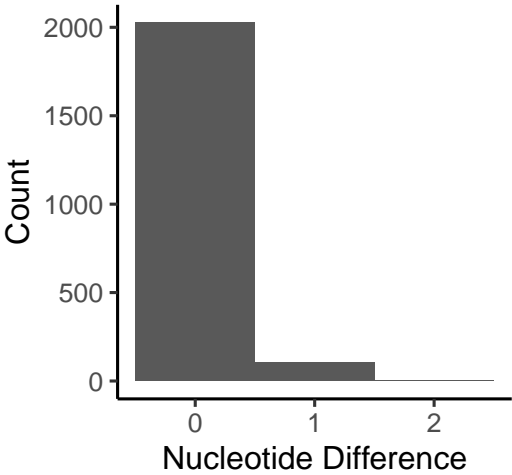
TRBV7-6\*ap01

2880 sequences assigned  
2853 (99.1%) exact matches, in which:  
2810 unique CDR3  
13 unique J



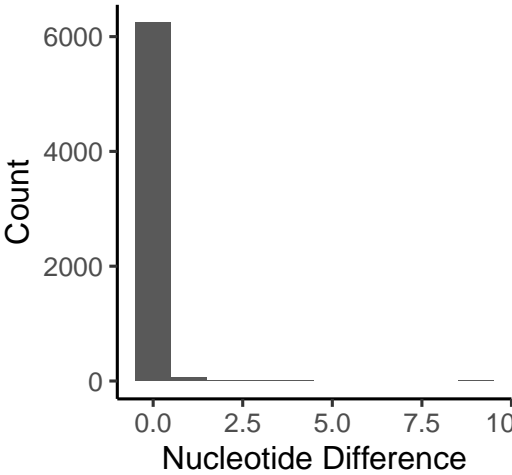
TRBV6-56\*ap02

2132 sequences assigned  
2026 (95%) exact matches, in which:  
1972 unique CDR3  
13 unique J



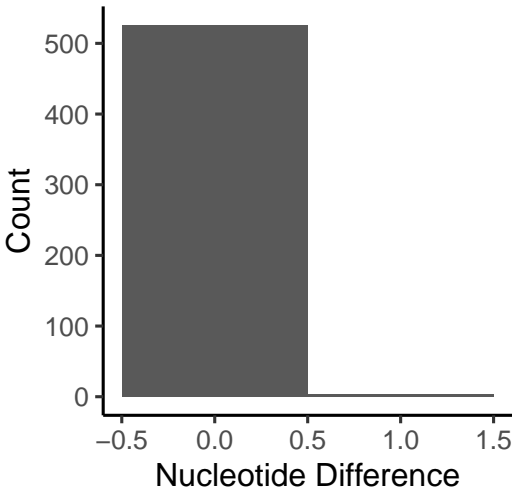
TRBV7-3\*ap01

6301 sequences assigned  
6242 (99.1%) exact matches, in which:  
6166 unique CDR3  
13 unique J



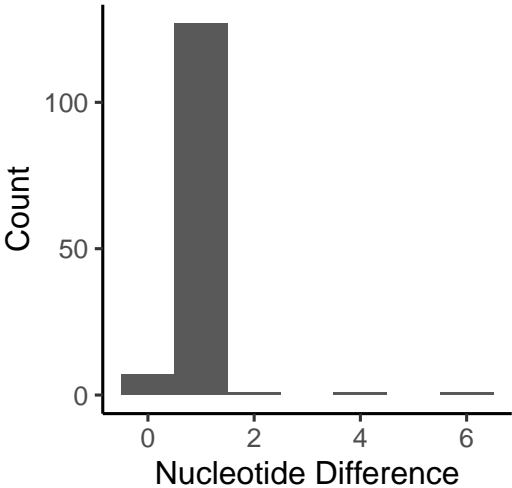
TRBV7-7\*ap01

529 sequences assigned  
526 (99.4%) exact matches, in which:  
517 unique CDR3  
13 unique J



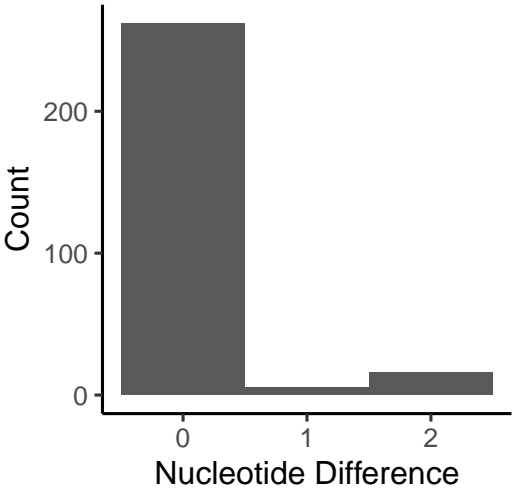
TRBV7-1\*ap01\_T296C

137 sequences assigned  
7 (5.1%) exact matches, in which:  
7 unique CDR3  
7 unique J



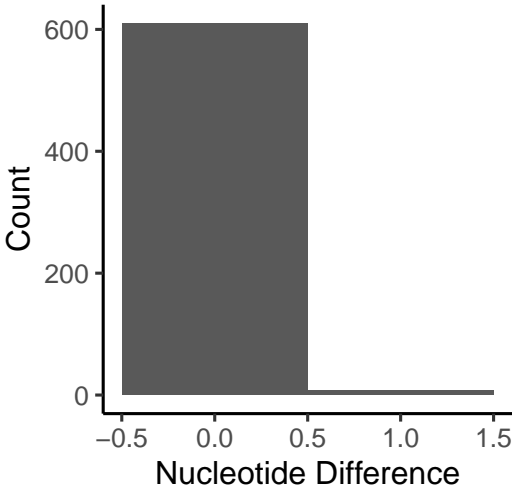
TRBV7-4\*ap01

283 sequences assigned  
262 (92.6%) exact matches, in which:  
250 unique CDR3  
13 unique J



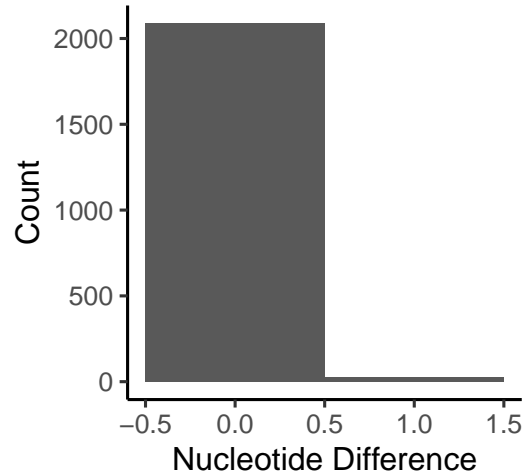
TRBV7-7\*ap01\_C315T

617 sequences assigned  
610 (98.9%) exact matches, in which:  
598 unique CDR3  
13 unique J



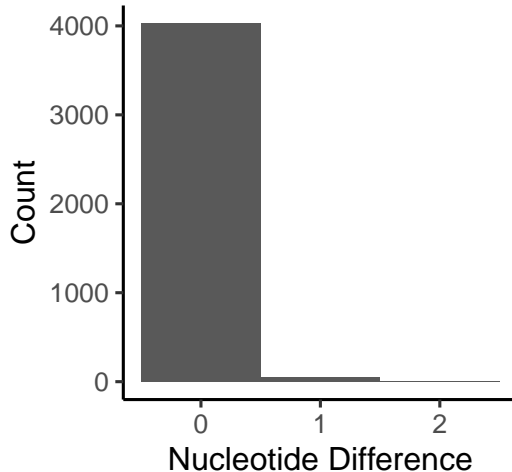
### TRBV7-8\*ap01

2112 sequences assigned  
2088 (98.9%) exact matches, in which:  
2043 unique CDR3  
13 unique J



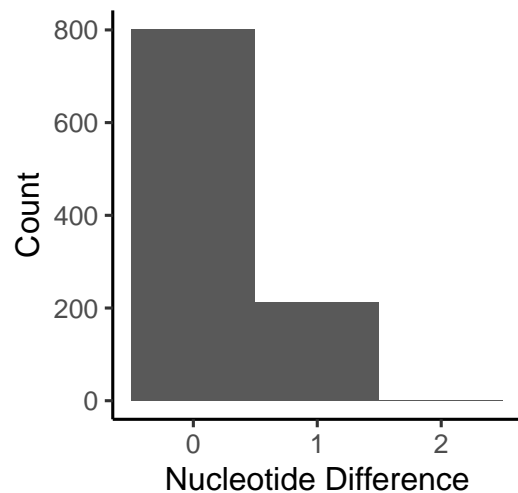
### TRBV29-1\*ap01

4084 sequences assigned  
4028 (98.6%) exact matches, in which:  
3907 unique CDR3  
13 unique J



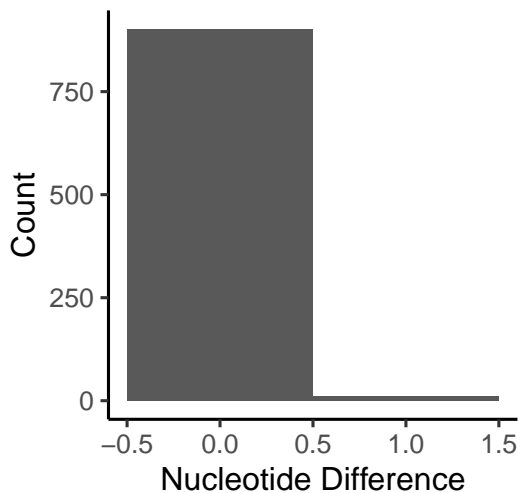
### TRBV7-8\*ap03

1015 sequences assigned  
802 (79%) exact matches, in which:  
785 unique CDR3  
13 unique J



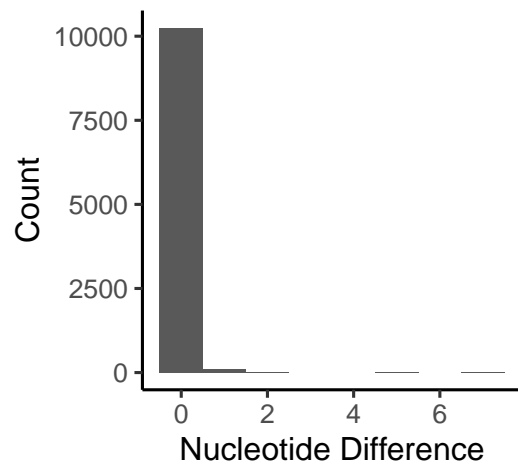
### TRBV29-1\*ap02

913 sequences assigned  
902 (98.8%) exact matches, in which:  
874 unique CDR3  
13 unique J

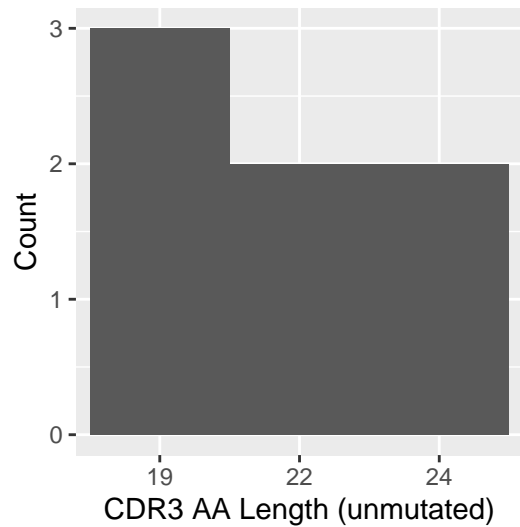


### TRBV7-9\*ap01

10349 sequences assigned  
10250 (99%) exact matches, in which:  
10050 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T

