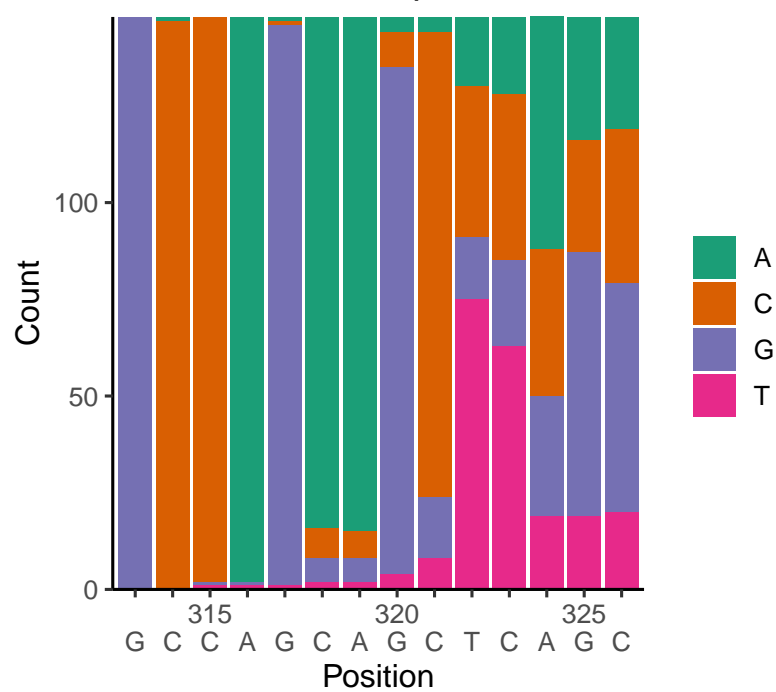
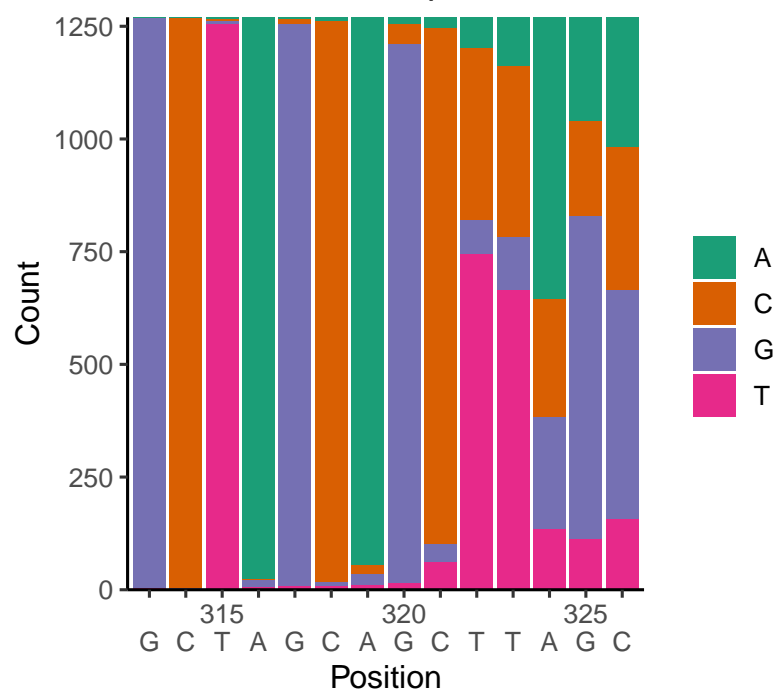


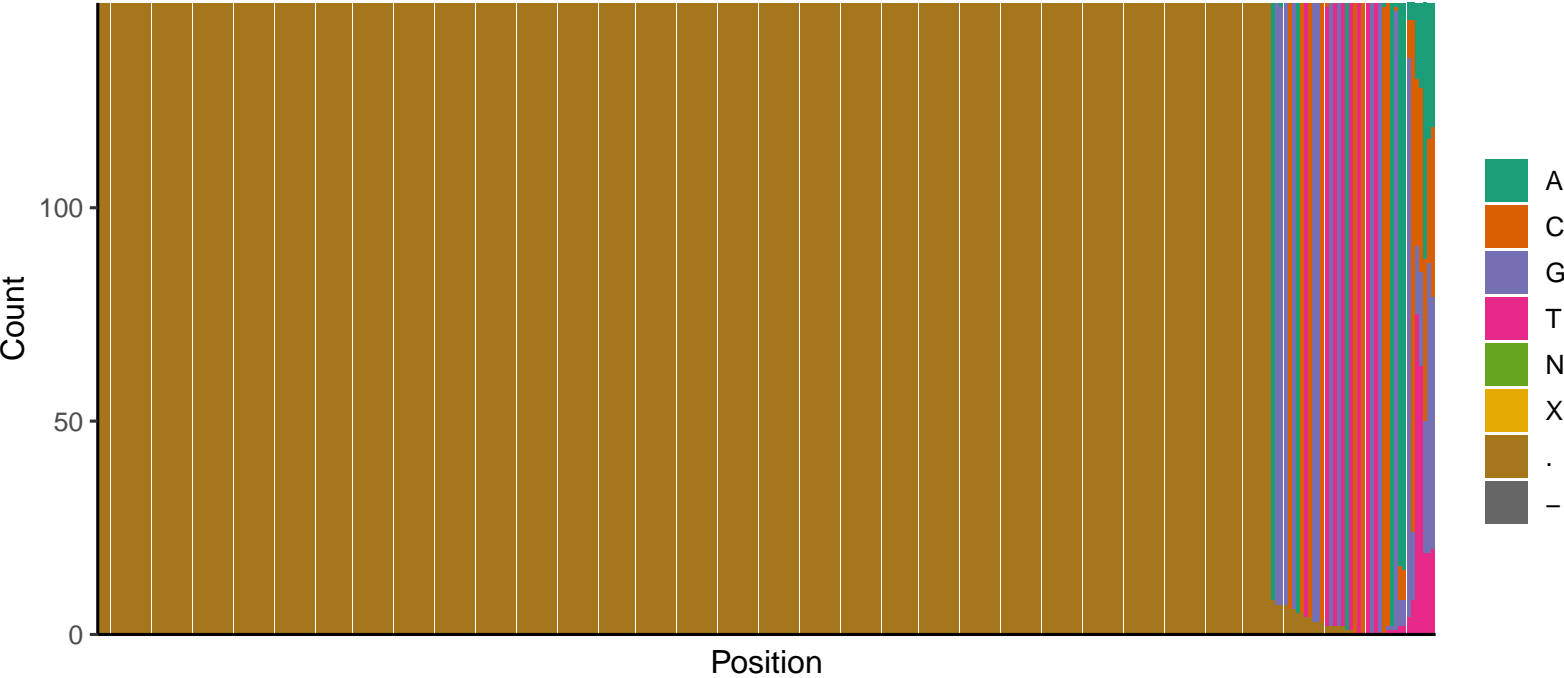
Gene TRBV7-1\*ap01\_G291C\_T296C



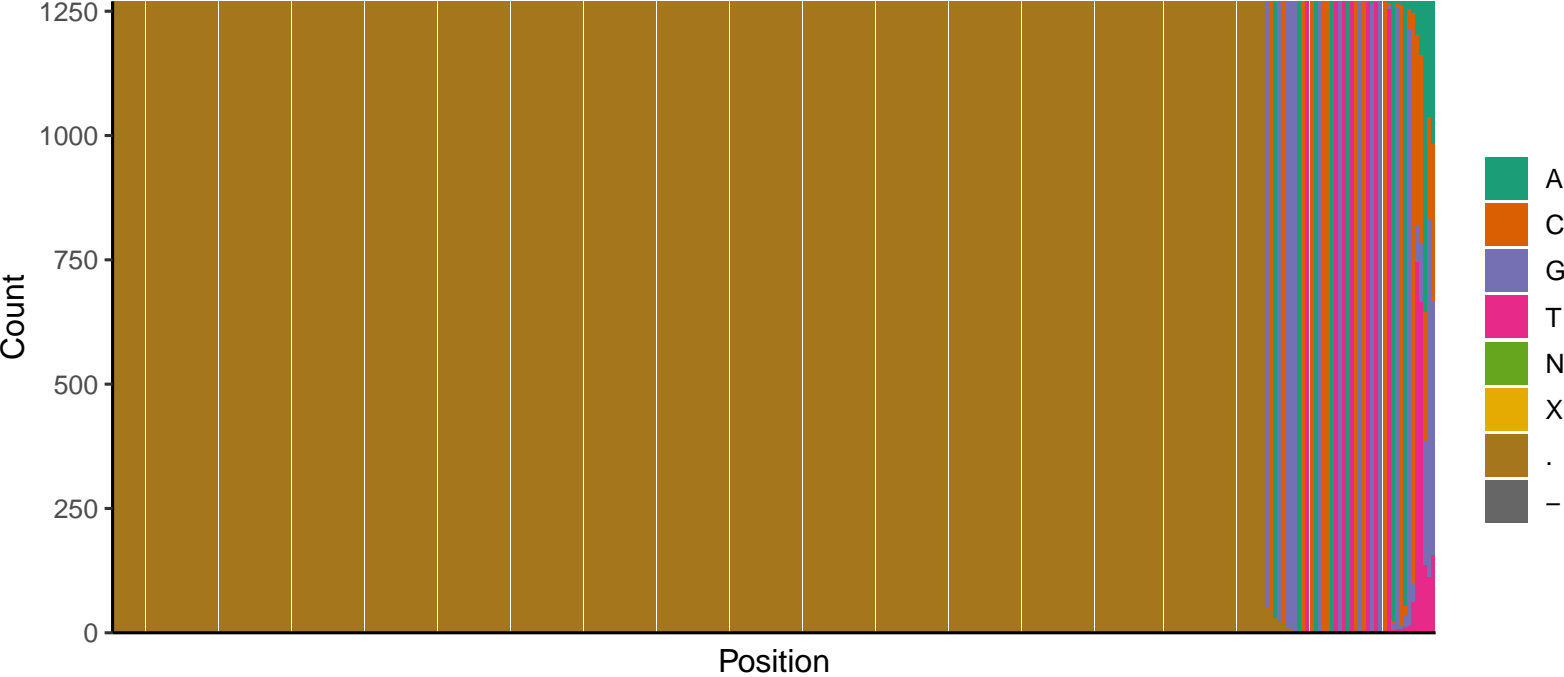
Gene TRBV7-7\*ap01\_C315T



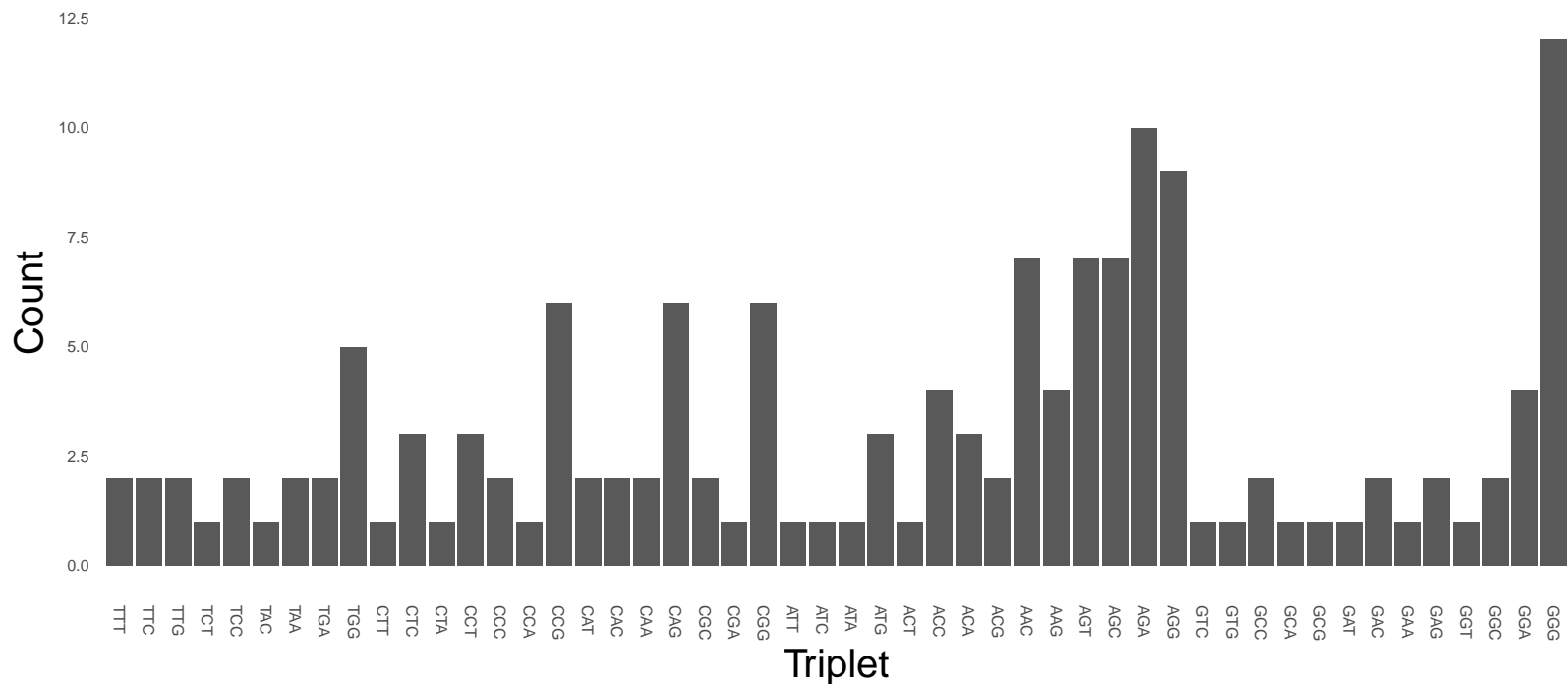
Gene TRBV7-1\*ap01\_G291C\_T296C



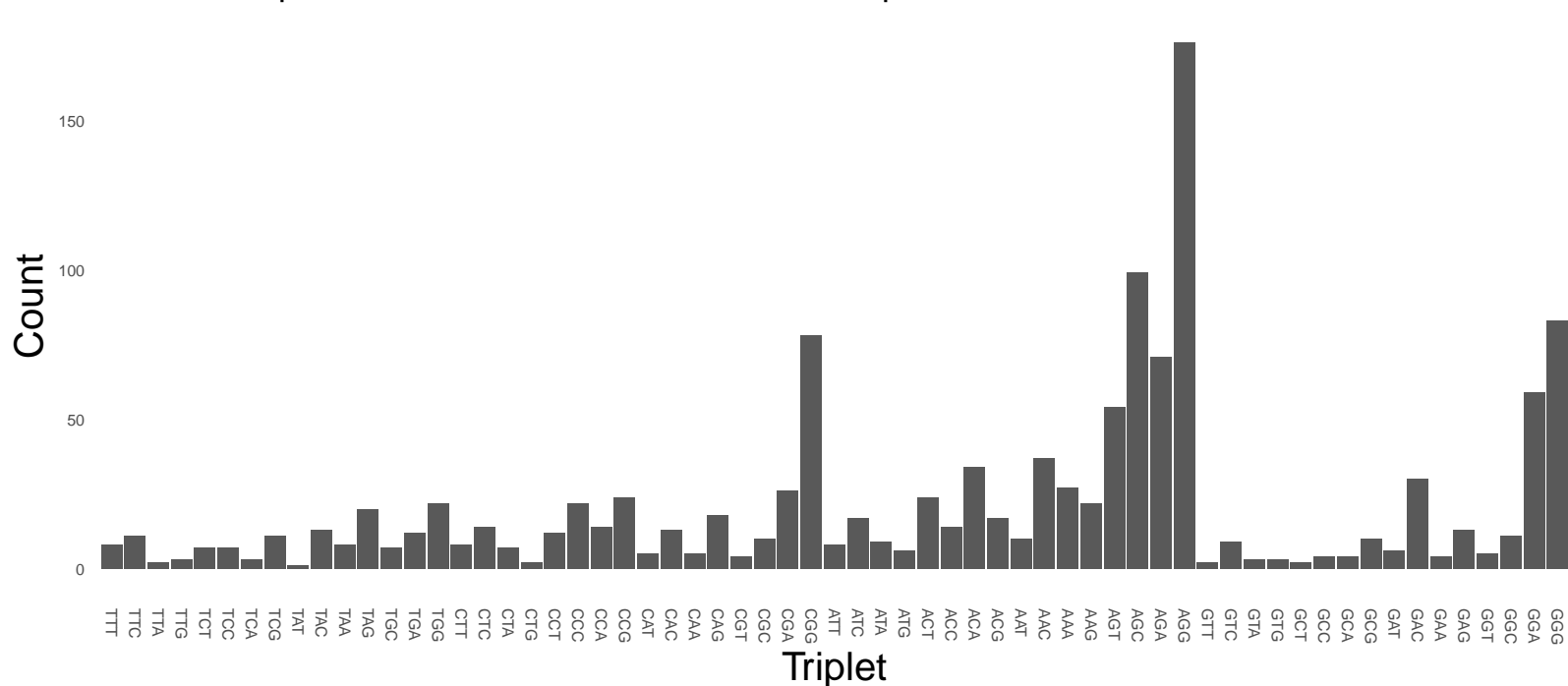
Gene TRBV7-7\*ap01\_C315T



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

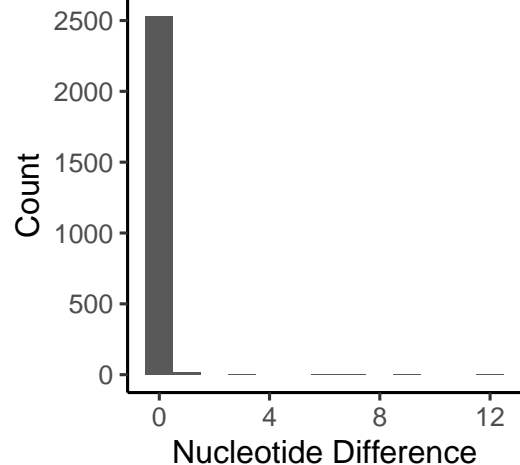


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



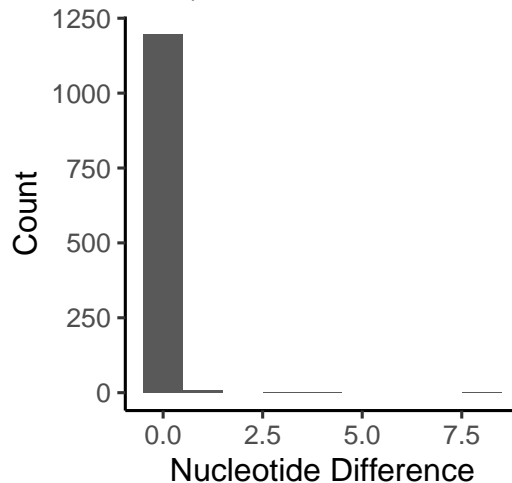
### TRBV10-1\*ap01

2552 sequences assigned  
2529 (99.1%) exact matches, in which:  
2471 unique CDR3  
13 unique J



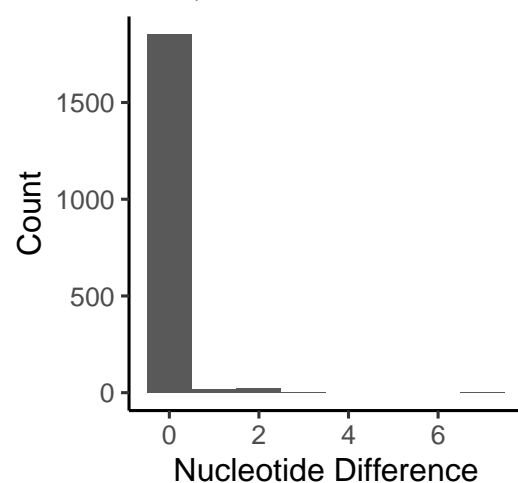
### TRBV10-2\*ap01

1207 sequences assigned  
1196 (99.1%) exact matches, in which:  
1172 unique CDR3  
13 unique J



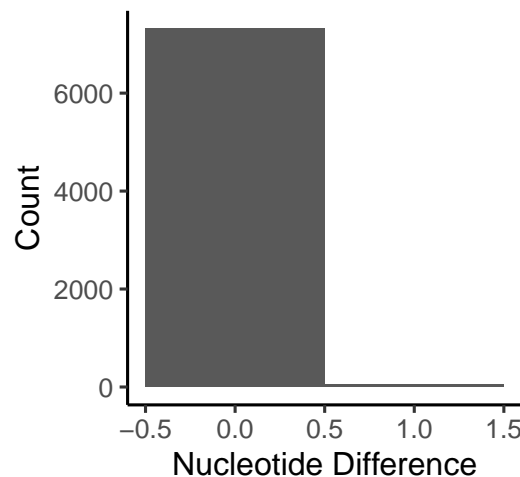
### TRBV13\*ap01

1898 sequences assigned  
1852 (97.6%) exact matches, in which:  
1794 unique CDR3  
13 unique J



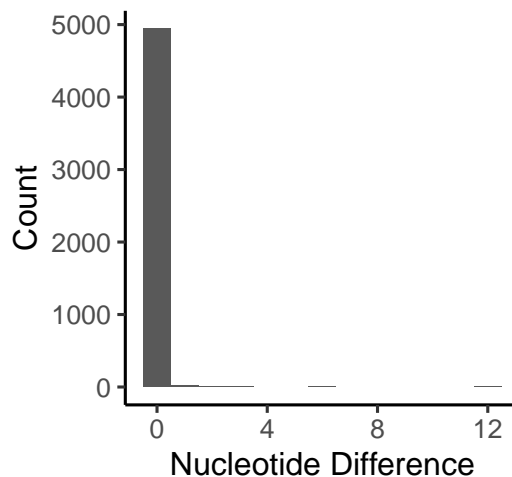
### TRBV20-1\*ap01

7359 sequences assigned  
7315 (99.4%) exact matches, in which:  
7252 unique CDR3  
13 unique J



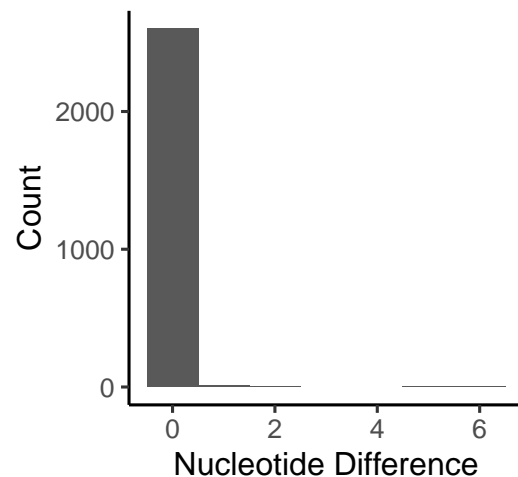
### TRBV10-3\*ap01

4977 sequences assigned  
4943 (99.3%) exact matches, in which:  
4843 unique CDR3  
13 unique J



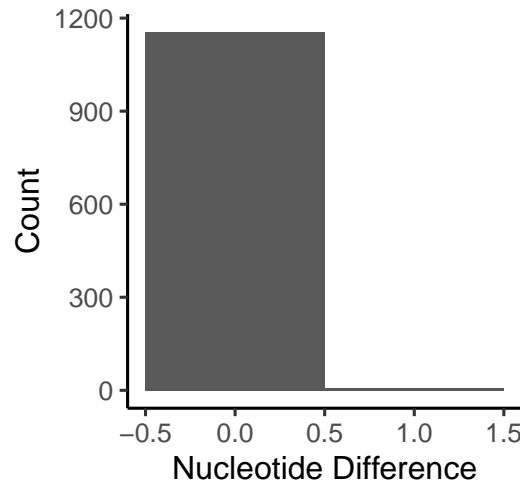
### TRBV14\*ap01

2619 sequences assigned  
2601 (99.3%) exact matches, in which:  
2570 unique CDR3  
13 unique J



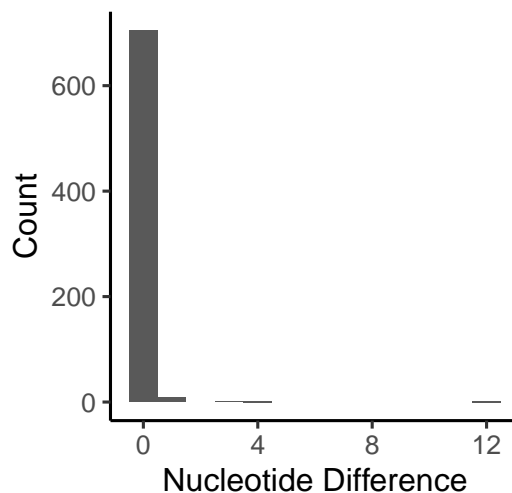
### TRBV20-1\*ap02

1162 sequences assigned  
1155 (99.4%) exact matches, in which:  
1145 unique CDR3  
13 unique J



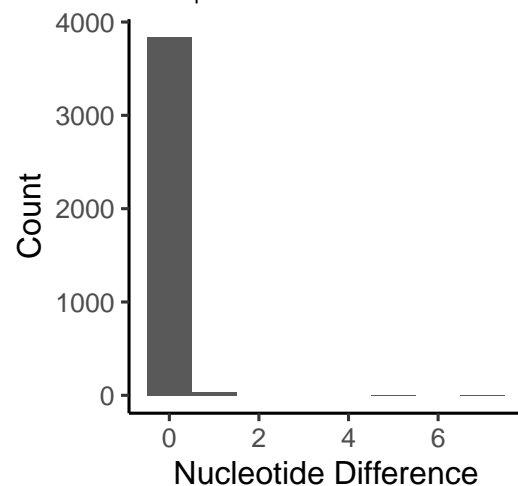
### TRBV1\*ap01

718 sequences assigned  
705 (98.2%) exact matches, in which:  
683 unique CDR3  
13 unique J



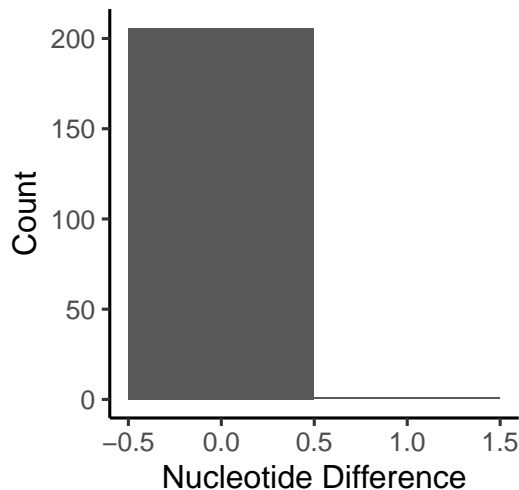
### TRBV15\*ap02

3878 sequences assigned  
3839 (99%) exact matches, in which:  
3763 unique CDR3  
13 unique J



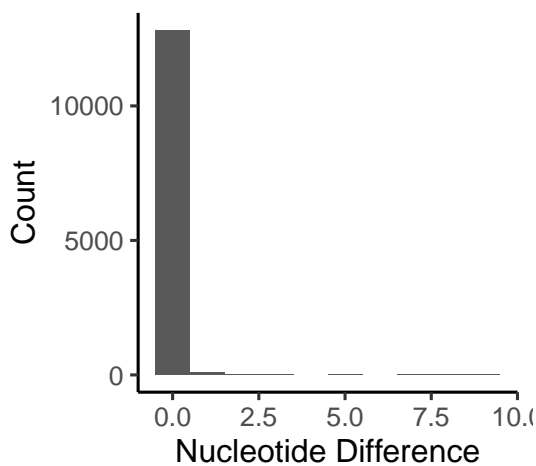
### TRBV16\*ap01

207 sequences assigned  
206 (99.5%) exact matches, in which:  
201 unique CDR3  
13 unique J



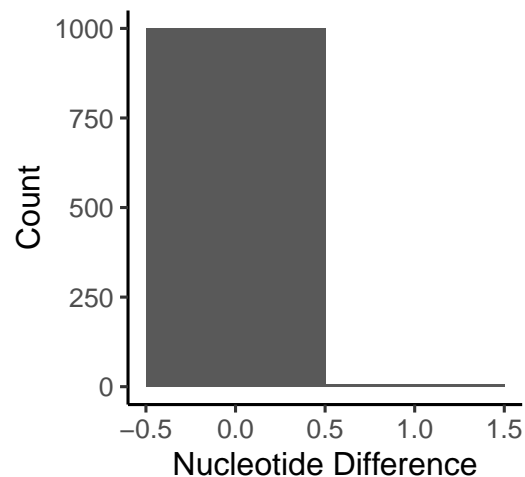
### TRBV19\*ap01

12935 sequences assigned  
12816 (99.1%) exact matches, in which:  
12714 unique CDR3  
13 unique J



### TRBV28\*ap01

1007 sequences assigned  
1000 (99.3%) exact matches, in which:  
988 unique CDR3  
13 unique J



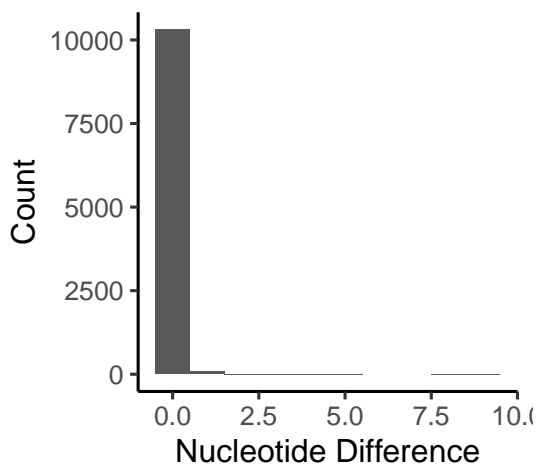
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



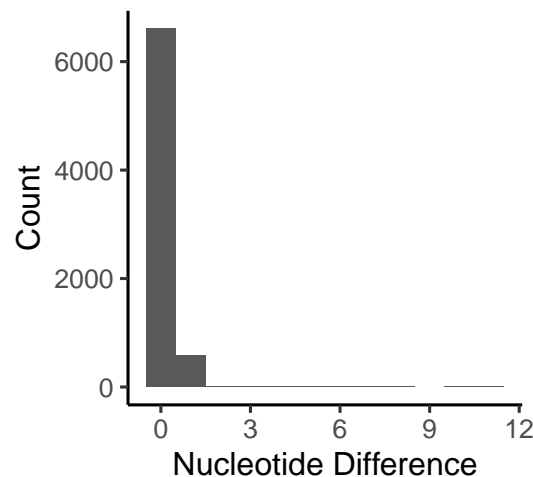
### TRBV2\*ap01

10410 sequences assigned  
10314 (99.1%) exact matches, in which:  
10100 unique CDR3  
13 unique J



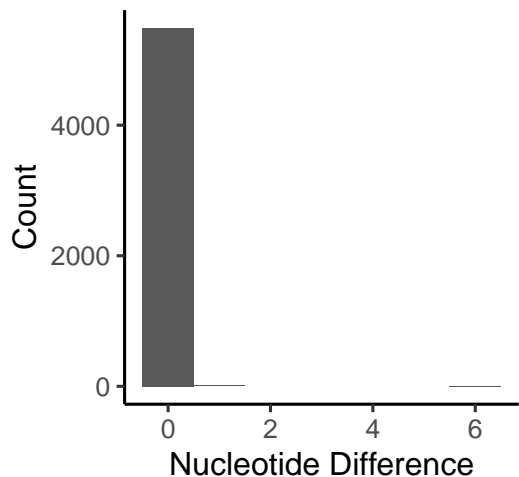
### TRBV30\*ap01

7219 sequences assigned  
6607 (91.5%) exact matches, in which:  
6316 unique CDR3  
13 unique J



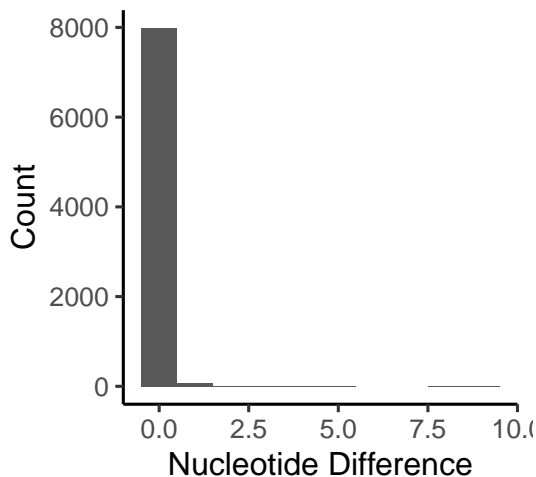
### TRBV18\*ap01

5505 sequences assigned  
5488 (99.7%) exact matches, in which:  
5429 unique CDR3  
13 unique J



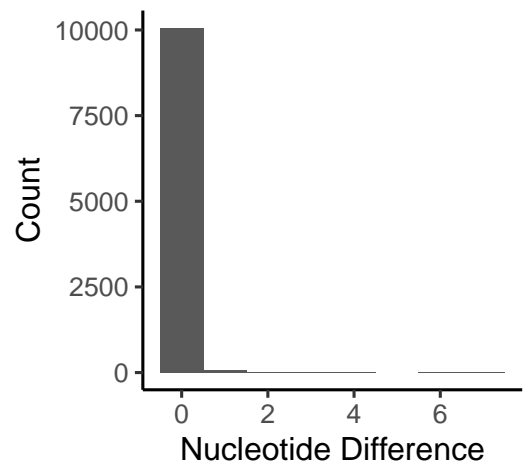
### TRBV27\*ap01

8072 sequences assigned  
7986 (98.9%) exact matches, in which:  
7851 unique CDR3  
13 unique J



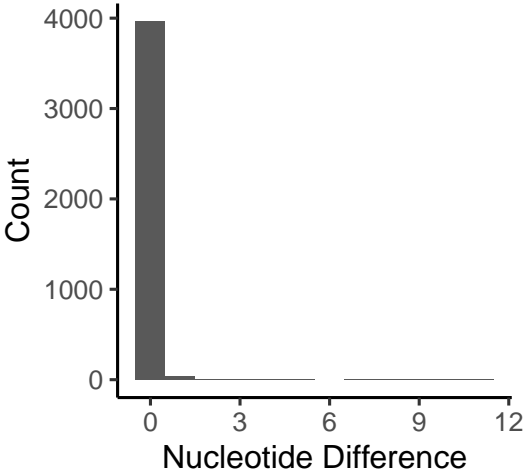
### TRBV9\*ap01

10142 sequences assigned  
10063 (99.2%) exact matches, in which:  
9947 unique CDR3  
13 unique J



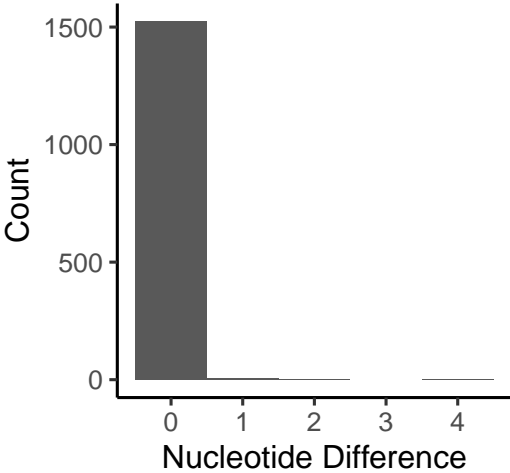
TRBV21-1\*ap01

4031 sequences assigned  
3964 (98.3%) exact matches, in which:  
3926 unique CDR3  
13 unique J



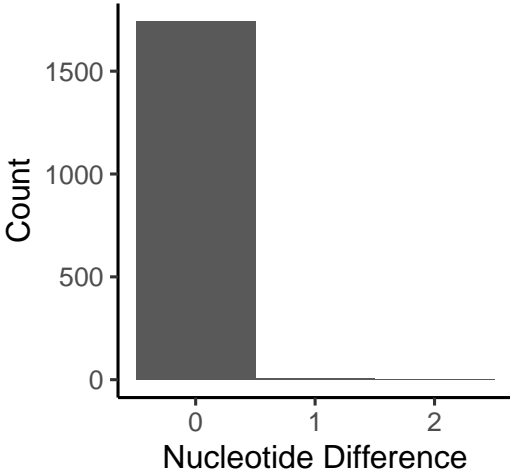
TRBV11-3\*ap01

1535 sequences assigned  
1524 (99.3%) exact matches, in which:  
1516 unique CDR3  
13 unique J



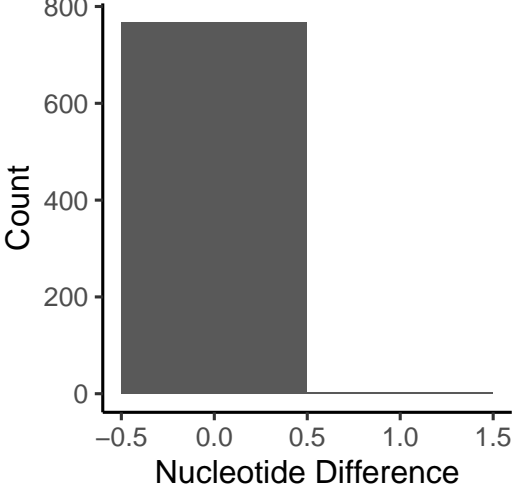
TRBV12-5\*ap01

1752 sequences assigned  
1742 (99.4%) exact matches, in which:  
1720 unique CDR3  
13 unique J



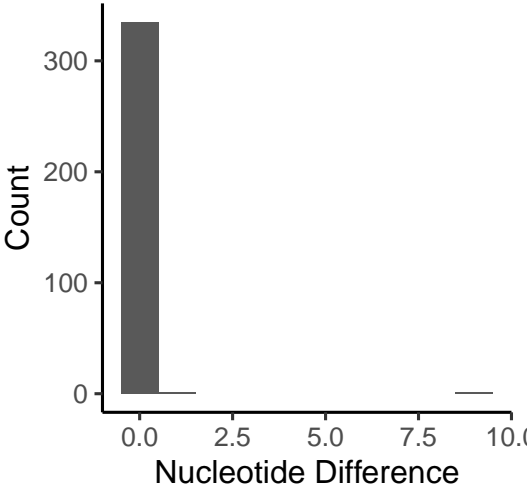
TRBV11-1\*ap01

772 sequences assigned  
768 (99.5%) exact matches, in which:  
763 unique CDR3  
13 unique J



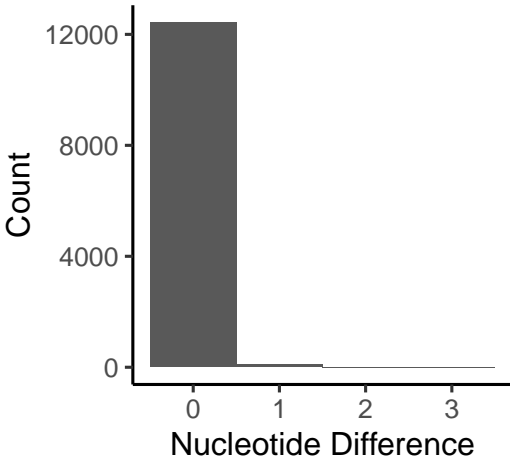
TRBV12-1\*ap01

337 sequences assigned  
335 (99.4%) exact matches, in which:  
330 unique CDR3  
13 unique J



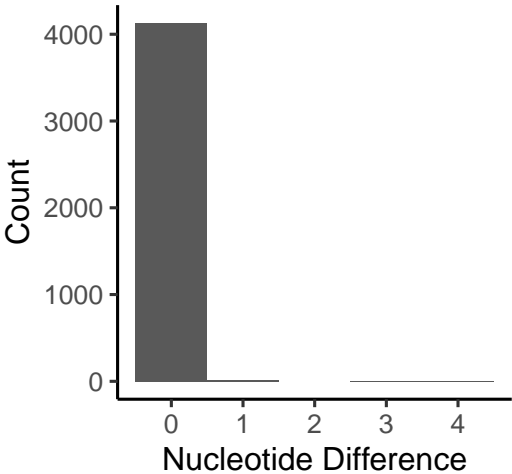
TRBV12-34\*ap01

12532 sequences assigned  
12429 (99.2%) exact matches, in which:  
12230 unique CDR3  
13 unique J



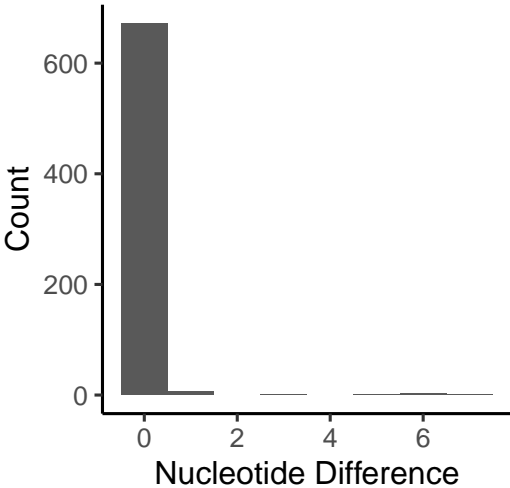
TRBV11-2\*ap01

4147 sequences assigned  
4129 (99.6%) exact matches, in which:  
4088 unique CDR3  
13 unique J



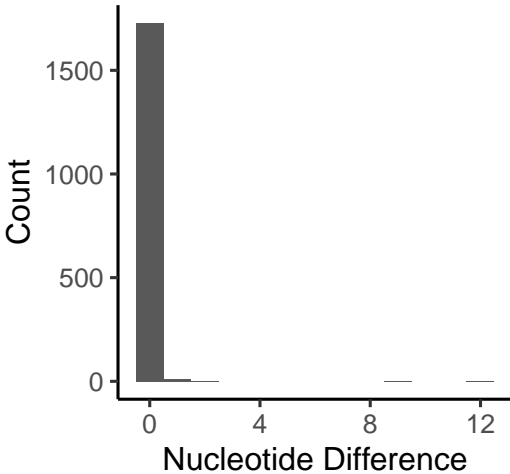
TRBV12-2\*ap01

683 sequences assigned  
672 (98.4%) exact matches, in which:  
660 unique CDR3  
13 unique J



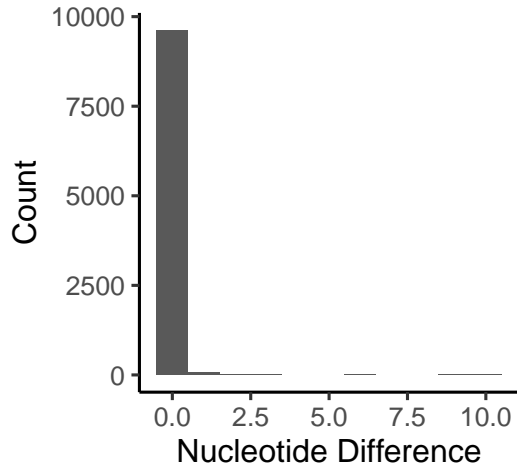
TRBV23-1\*ap01

1742 sequences assigned  
1728 (99.2%) exact matches, in which:  
1708 unique CDR3  
13 unique J



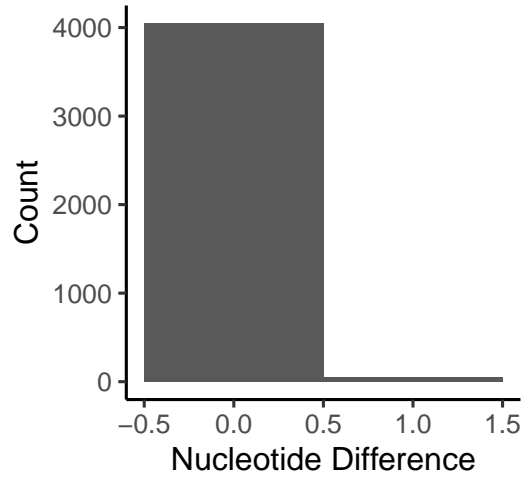
### TRBV3–12\*ap01

9698 sequences assigned  
9623 (99.2%) exact matches, in which:  
9529 unique CDR3  
13 unique J



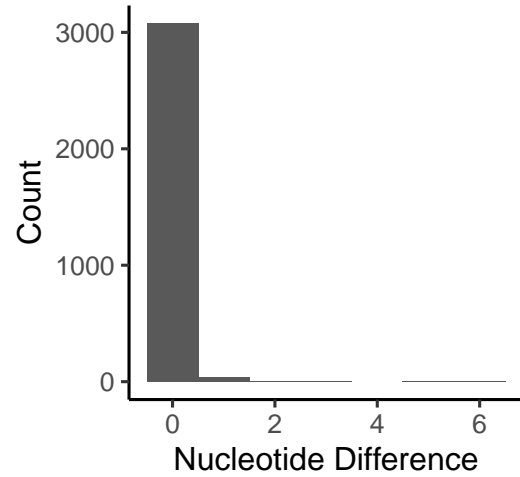
### TRBV4–2\*ap01

4098 sequences assigned  
4047 (98.8%) exact matches, in which:  
3971 unique CDR3  
13 unique J



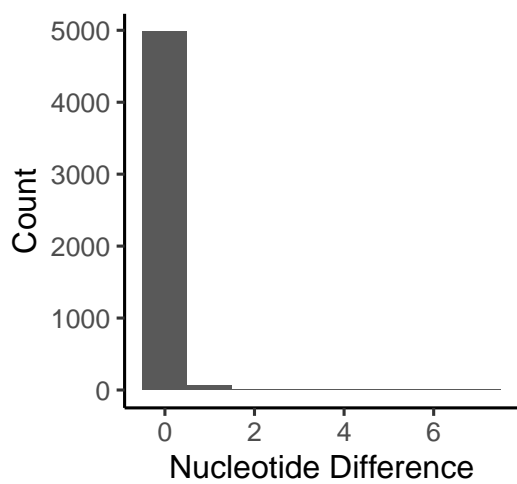
### TRBV25–1\*ap01

3119 sequences assigned  
3077 (98.7%) exact matches, in which:  
2982 unique CDR3  
13 unique J



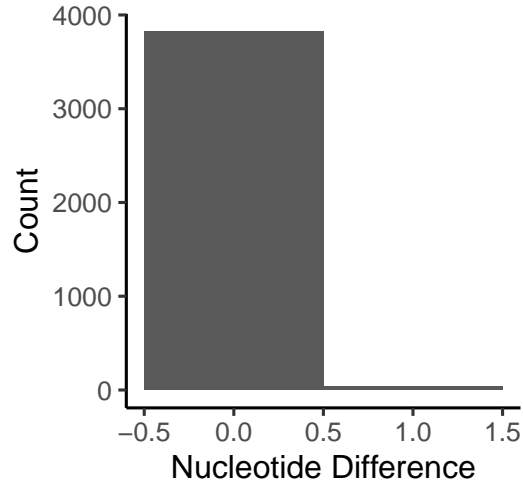
### TRBV24–1\*ap01

5055 sequences assigned  
4980 (98.5%) exact matches, in which:  
4876 unique CDR3  
13 unique J



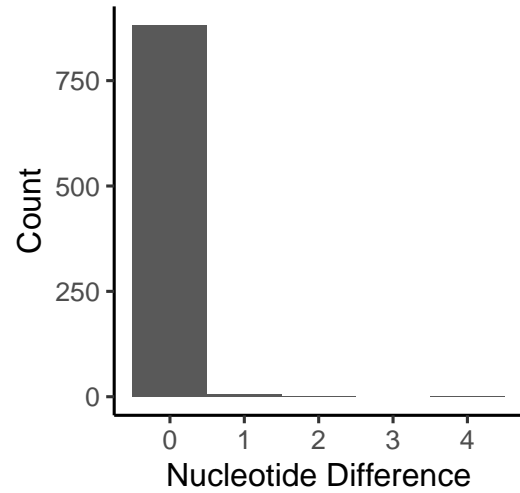
### TRBV4–3\*ap01

3860 sequences assigned  
3821 (99%) exact matches, in which:  
3745 unique CDR3  
13 unique J



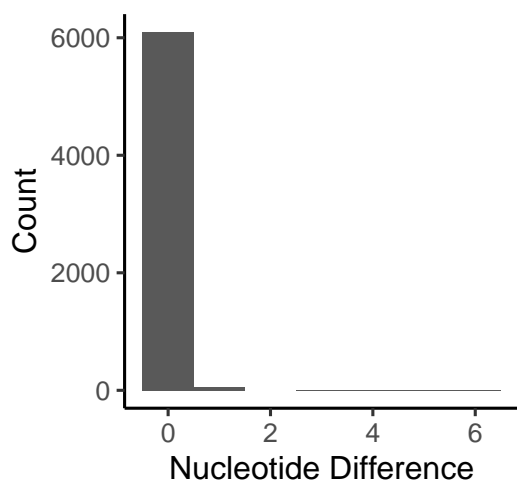
### TRBV5–3\*ap01

891 sequences assigned  
882 (99%) exact matches, in which:  
869 unique CDR3  
13 unique J



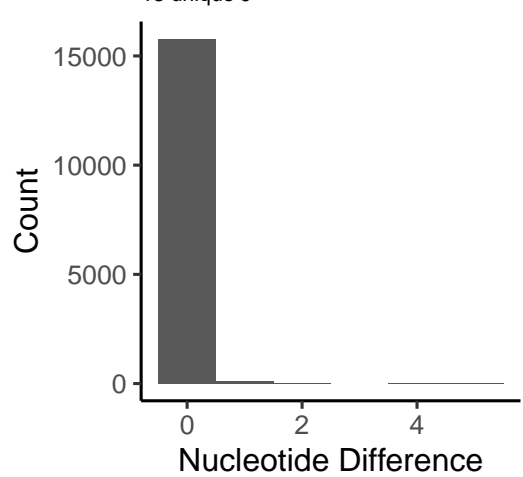
### TRBV4–1\*ap01

6161 sequences assigned  
6097 (99%) exact matches, in which:  
5975 unique CDR3  
13 unique J



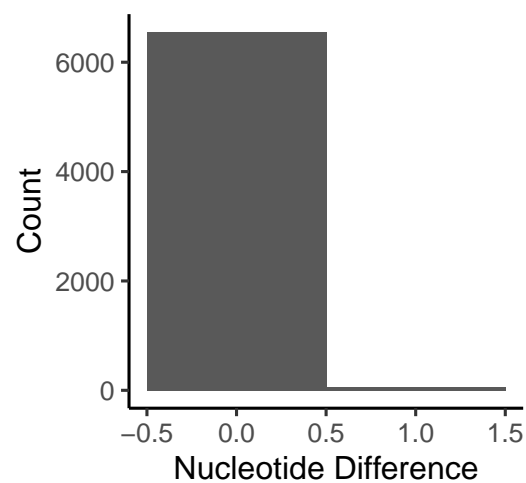
### TRBV5–1\*ap01

15900 sequences assigned  
15785 (99.3%) exact matches, in which:  
15450 unique CDR3  
13 unique J



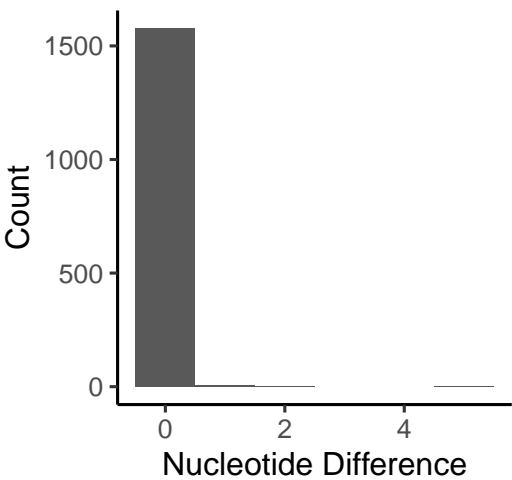
### TRBV5–4\*ap01

6608 sequences assigned  
6552 (99.2%) exact matches, in which:  
6431 unique CDR3  
13 unique J



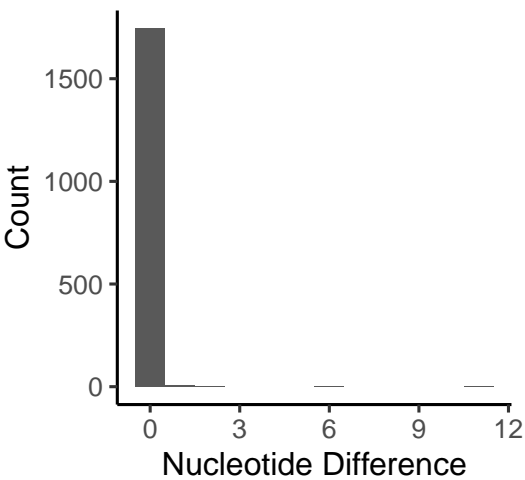
TRBV5-5\*ap01

1586 sequences assigned  
1577 (99.4%) exact matches, in which:  
1567 unique CDR3  
13 unique J



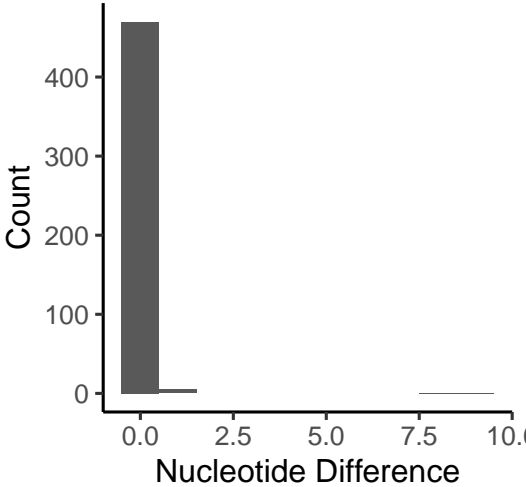
TRBV5-8\*ap01

1757 sequences assigned  
1745 (99.3%) exact matches, in which:  
1720 unique CDR3  
13 unique J



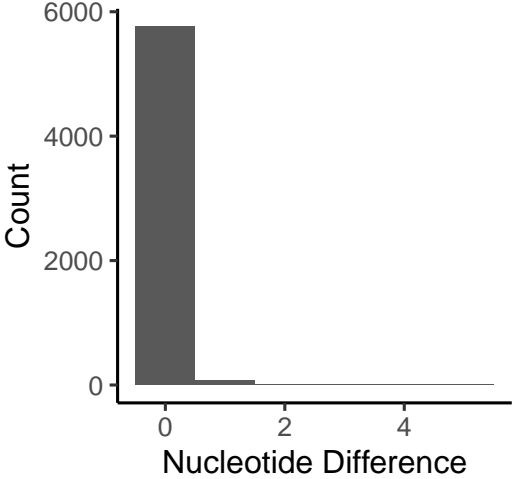
TRBV6-7\*ap01

477 sequences assigned  
470 (98.5%) exact matches, in which:  
460 unique CDR3  
13 unique J



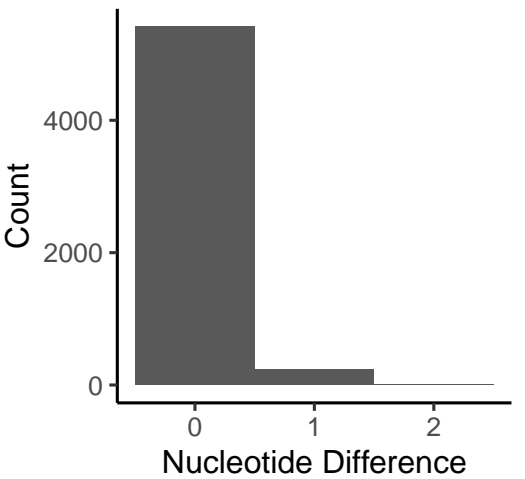
TRBV5-6\*ap01

5834 sequences assigned  
5759 (98.7%) exact matches, in which:  
5577 unique CDR3  
14 unique J



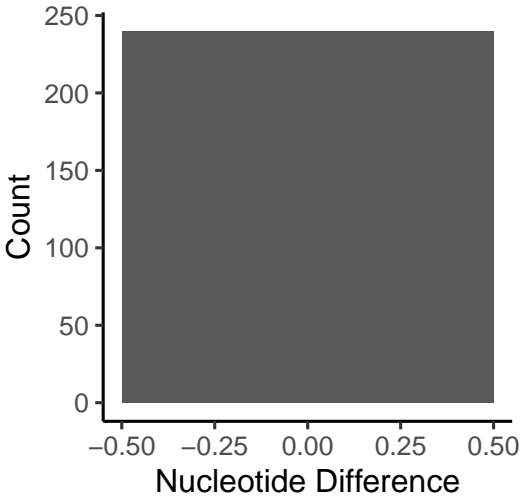
TRBV6-1\*ap01

5652 sequences assigned  
5414 (95.8%) exact matches, in which:  
5277 unique CDR3  
13 unique J



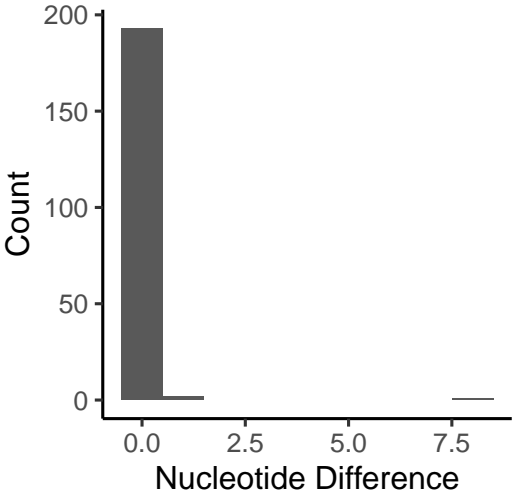
TRBV6-8\*ap01

240 sequences assigned  
240 (100%) exact matches, in which:  
235 unique CDR3  
13 unique J



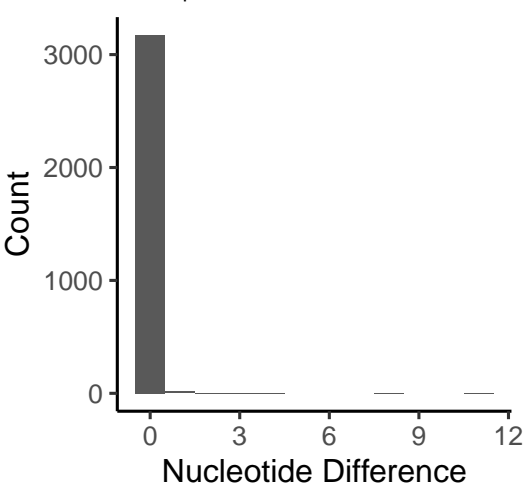
TRBV5-7\*ap01

196 sequences assigned  
193 (98.5%) exact matches, in which:  
180 unique CDR3  
12 unique J



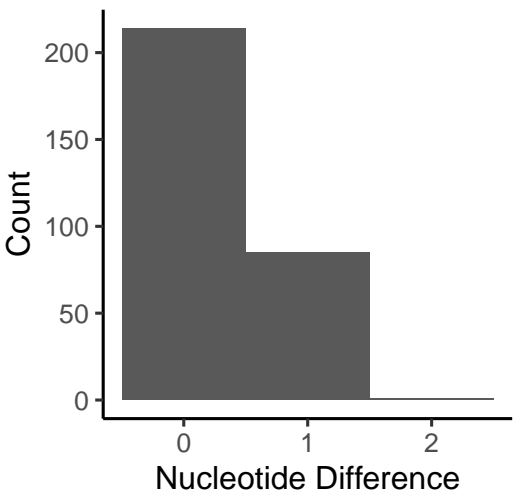
TRBV6-4\*ap01

3202 sequences assigned  
3173 (99.1%) exact matches, in which:  
3120 unique CDR3  
13 unique J



TRBV6-9\*ap01

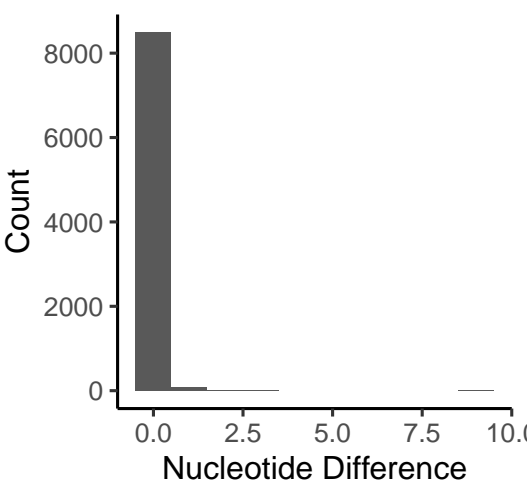
300 sequences assigned  
214 (71.3%) exact matches, in which:  
208 unique CDR3  
13 unique J





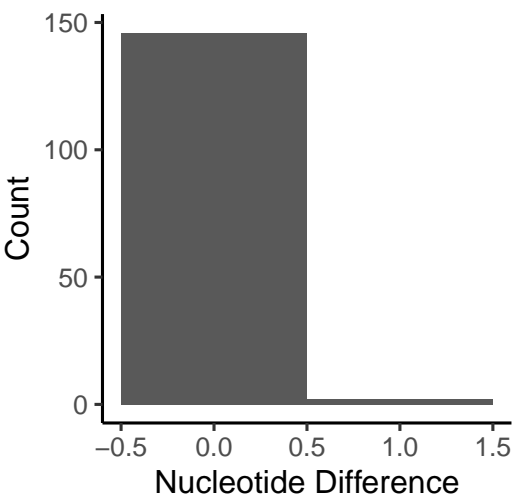
TRBV6-23\*ap01

8578 sequences assigned  
8492 (99%) exact matches, in which:  
8168 unique CDR3  
13 unique J



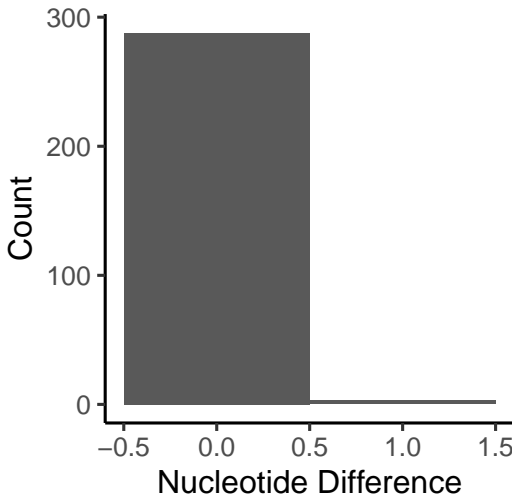
TRBV7-1\*ap01\_G291C\_

148 sequences assigned  
146 (98.6%) exact matches, in which:  
144 unique CDR3  
13 unique J



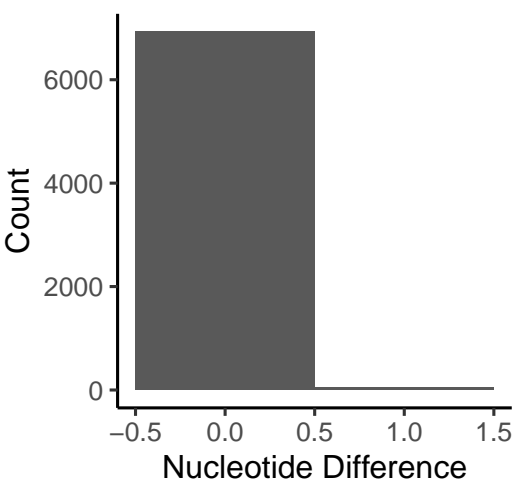
TRBV7-4\*ap01

291 sequences assigned  
288 (99%) exact matches, in which:  
282 unique CDR3  
13 unique J



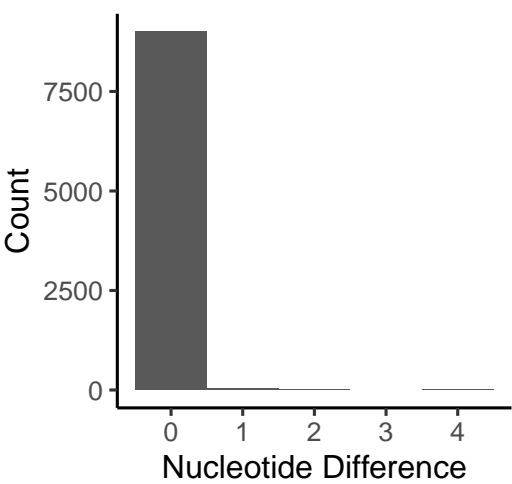
TRBV6-56\*ap01

6982 sequences assigned  
6928 (99.2%) exact matches, in which:  
6718 unique CDR3  
13 unique J



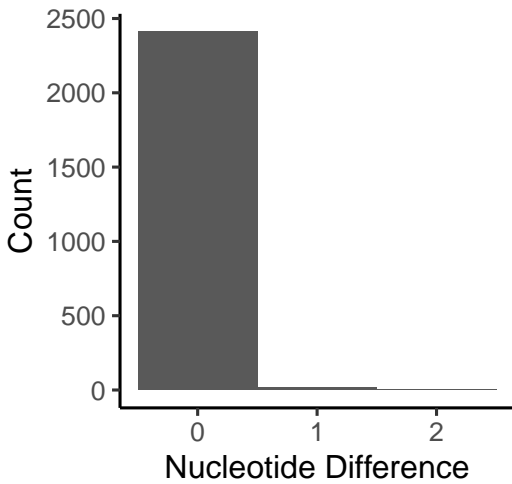
TRBV7-2\*ap01

9043 sequences assigned  
9001 (99.5%) exact matches, in which:  
8849 unique CDR3  
13 unique J



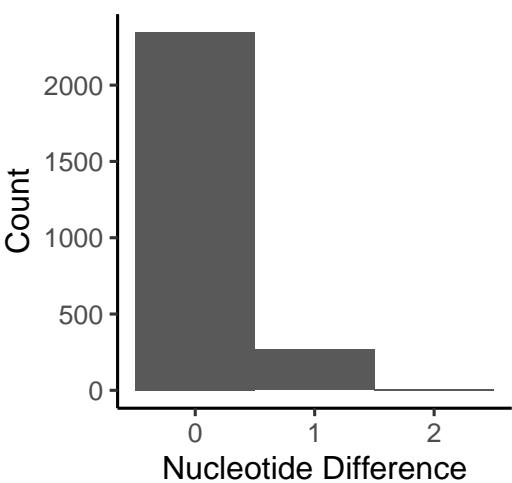
TRBV7-6\*ap01

2429 sequences assigned  
2411 (99.3%) exact matches, in which:  
2375 unique CDR3  
13 unique J



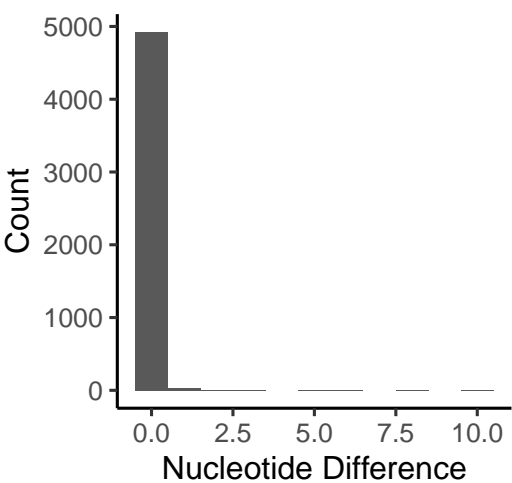
TRBV6-56\*ap02

2623 sequences assigned  
2348 (89.5%) exact matches, in which:  
2267 unique CDR3  
13 unique J



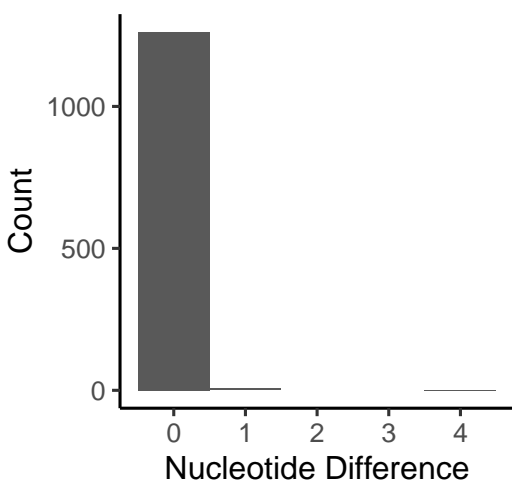
TRBV7-3\*ap01

4961 sequences assigned  
4923 (99.2%) exact matches, in which:  
4881 unique CDR3  
13 unique J



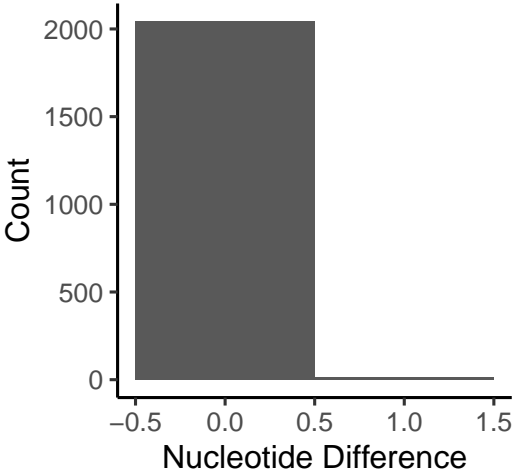
TRBV7-7\*ap01\_C315T

1270 sequences assigned  
1262 (99.4%) exact matches, in which:  
1238 unique CDR3  
13 unique J



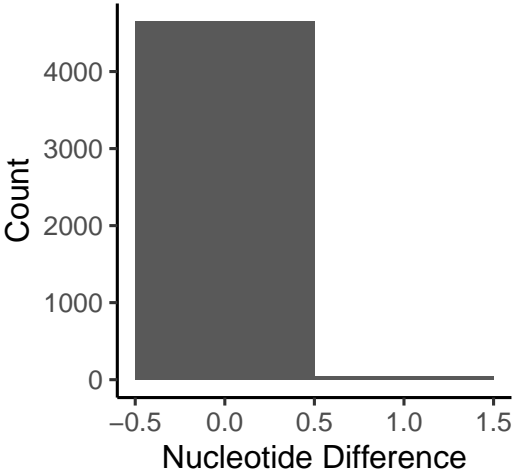
TRBV7-8\*ap01

2057 sequences assigned  
2043 (99.3%) exact matches, in which:  
2012 unique CDR3  
13 unique J



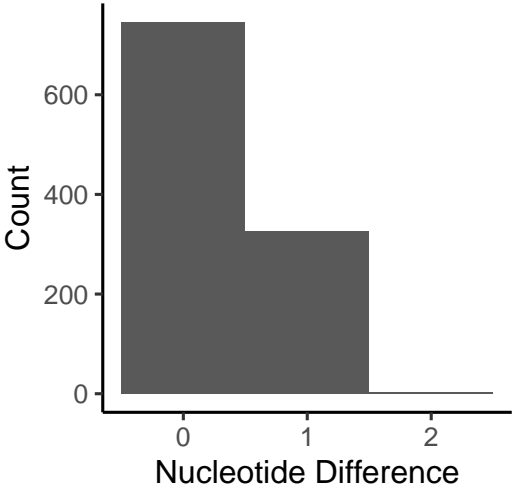
TRBV29-1\*ap01

4701 sequences assigned  
4651 (98.9%) exact matches, in which:  
4438 unique CDR3  
13 unique J



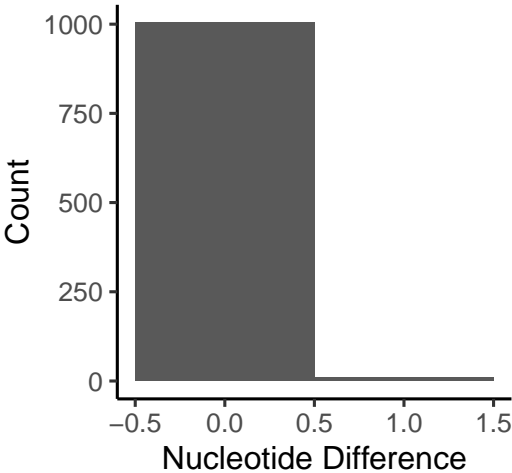
TRBV7-8\*ap03

1075 sequences assigned  
746 (69.4%) exact matches, in which:  
736 unique CDR3  
13 unique J



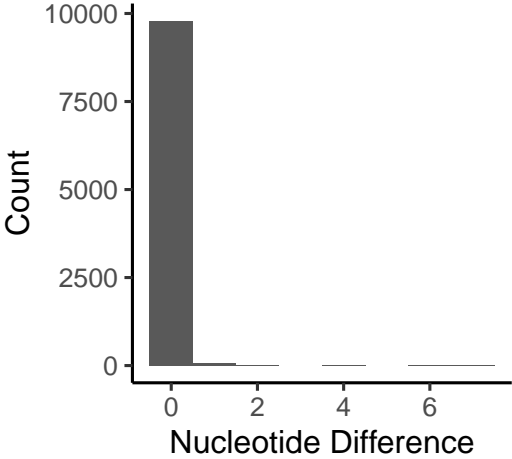
TRBV29-1\*ap02

1015 sequences assigned  
1004 (98.9%) exact matches, in which:  
974 unique CDR3  
13 unique J

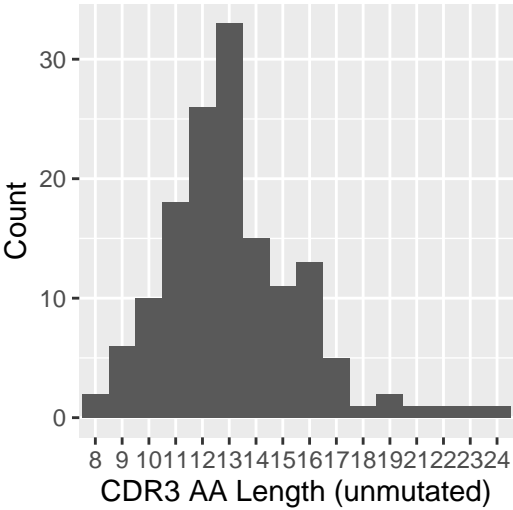


TRBV7-9\*ap01

9865 sequences assigned  
9793 (99.3%) exact matches, in which:  
9637 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

