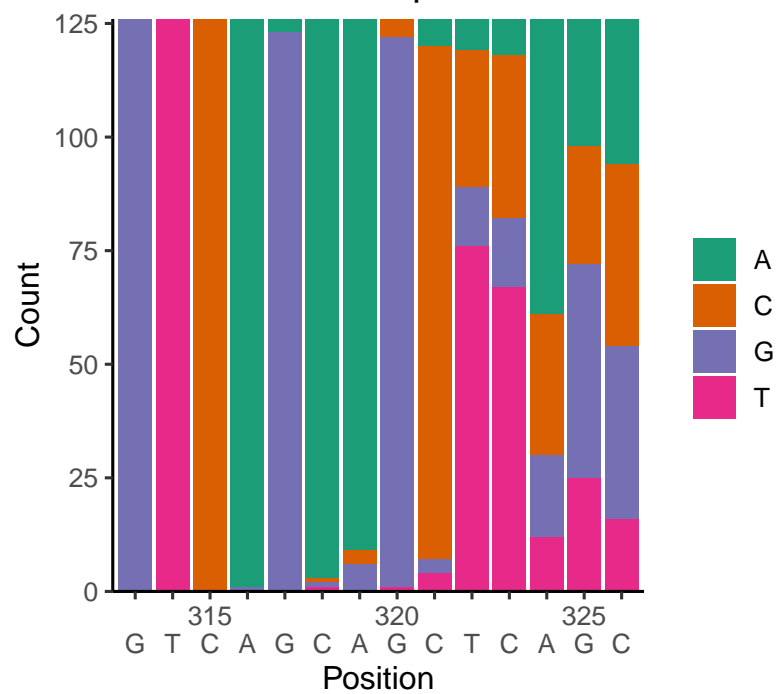
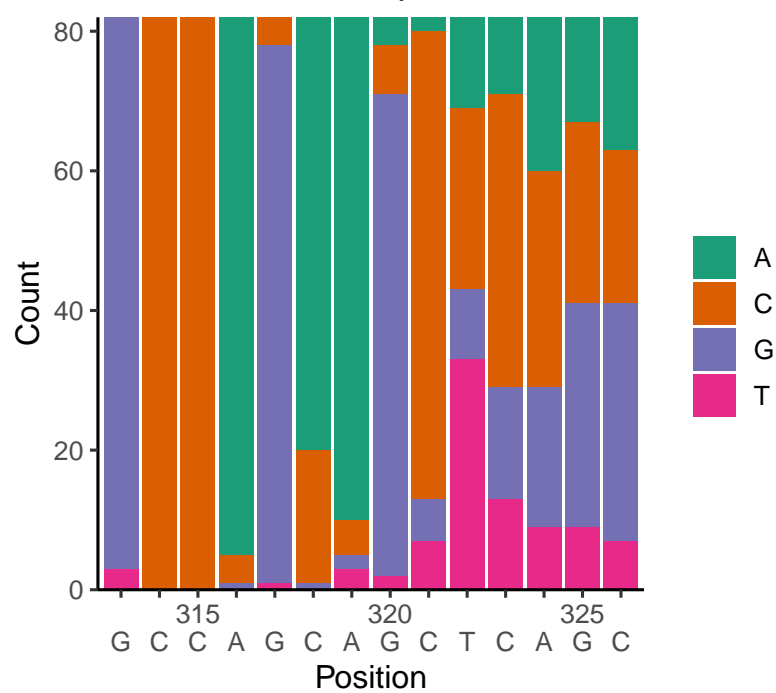


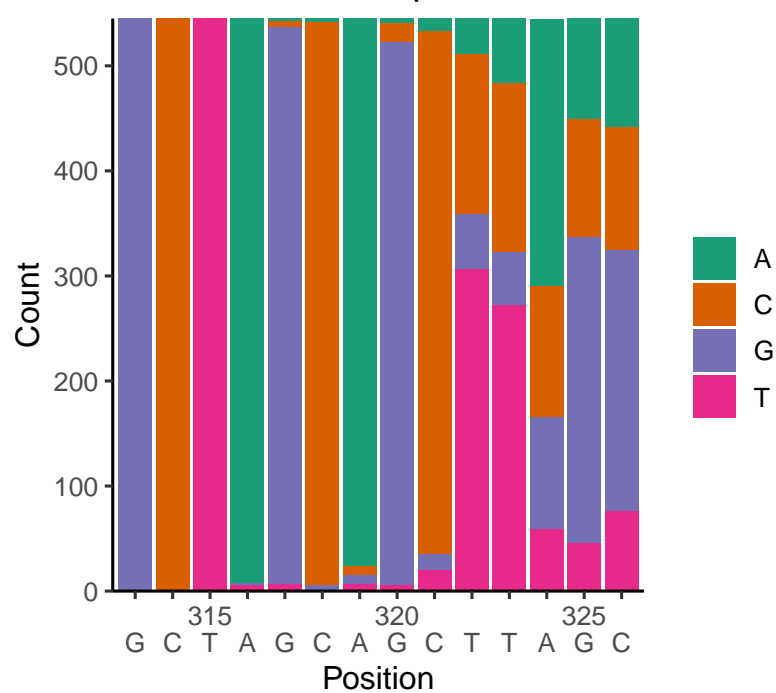
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_T296C\_C314T



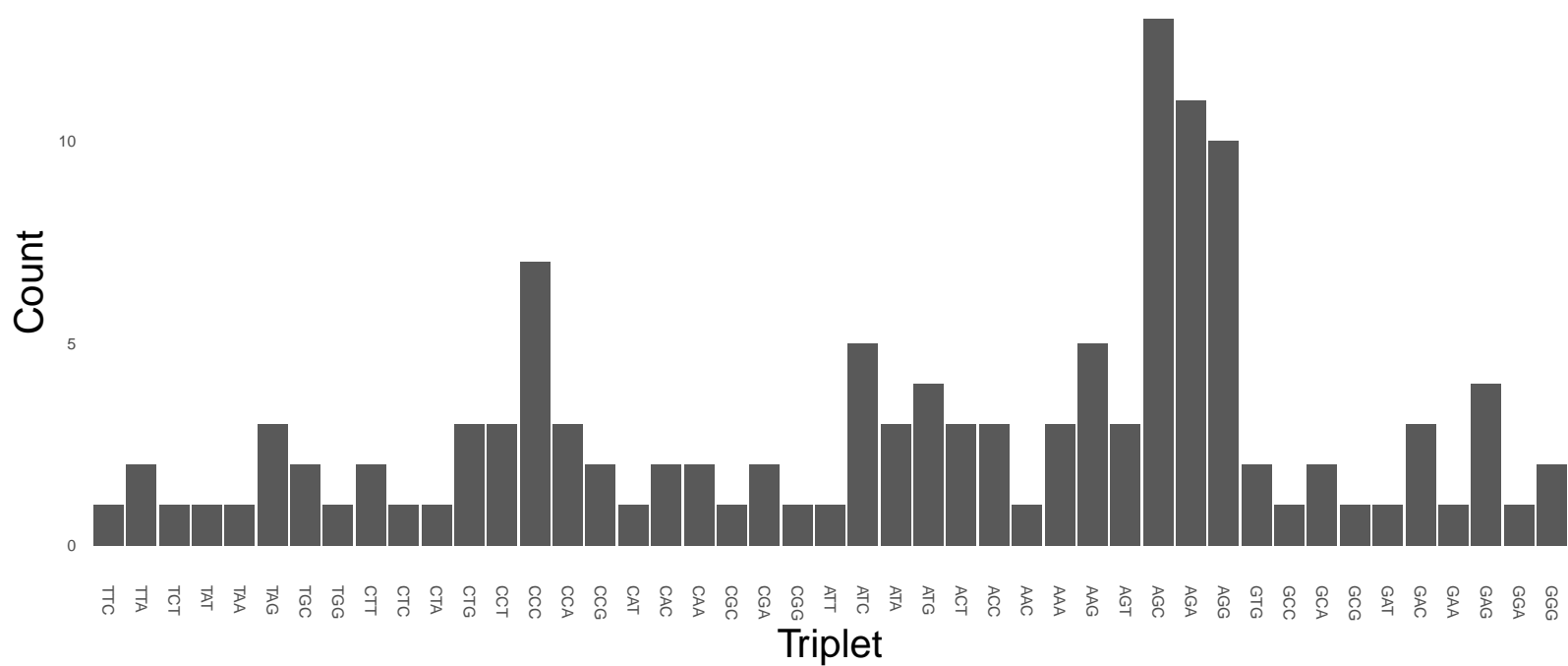
Gene TRBV7-1\*ap01\_T296C



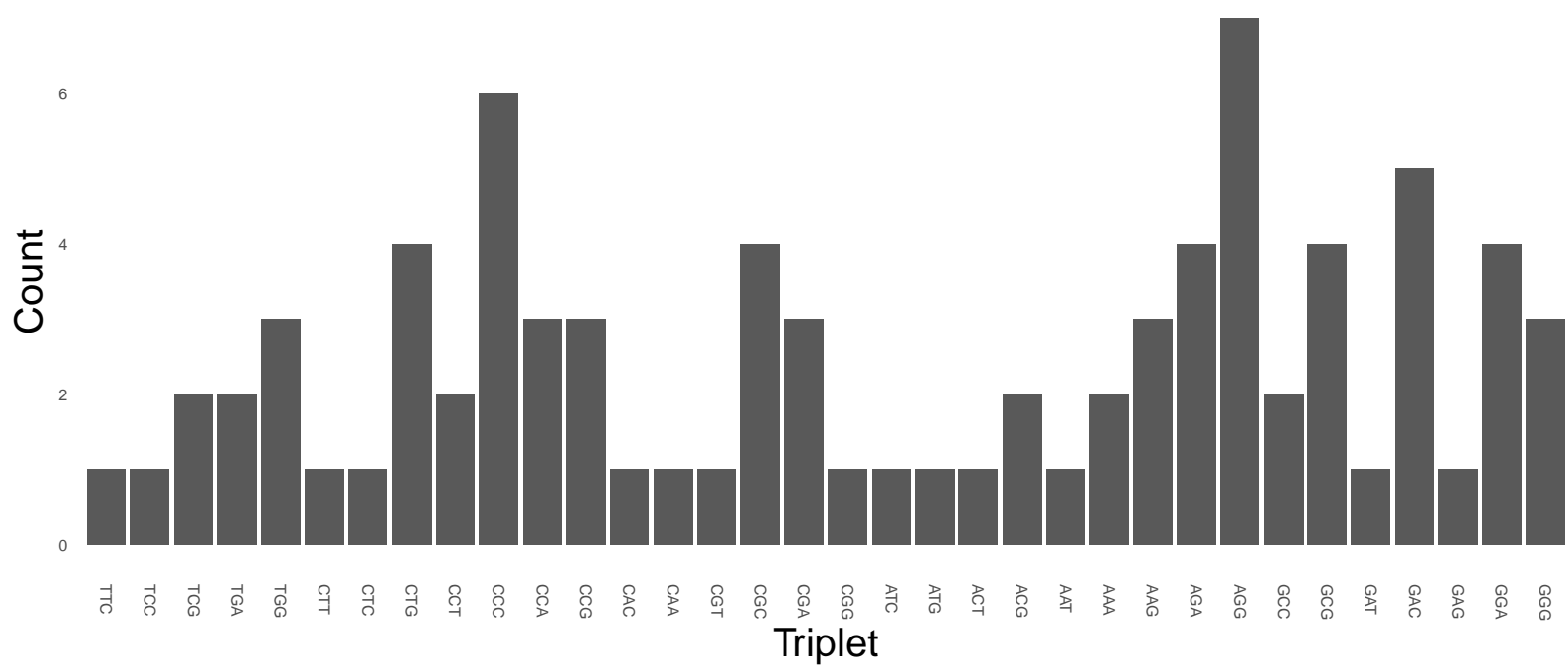
Gene TRBV7-7\*ap01\_C315T



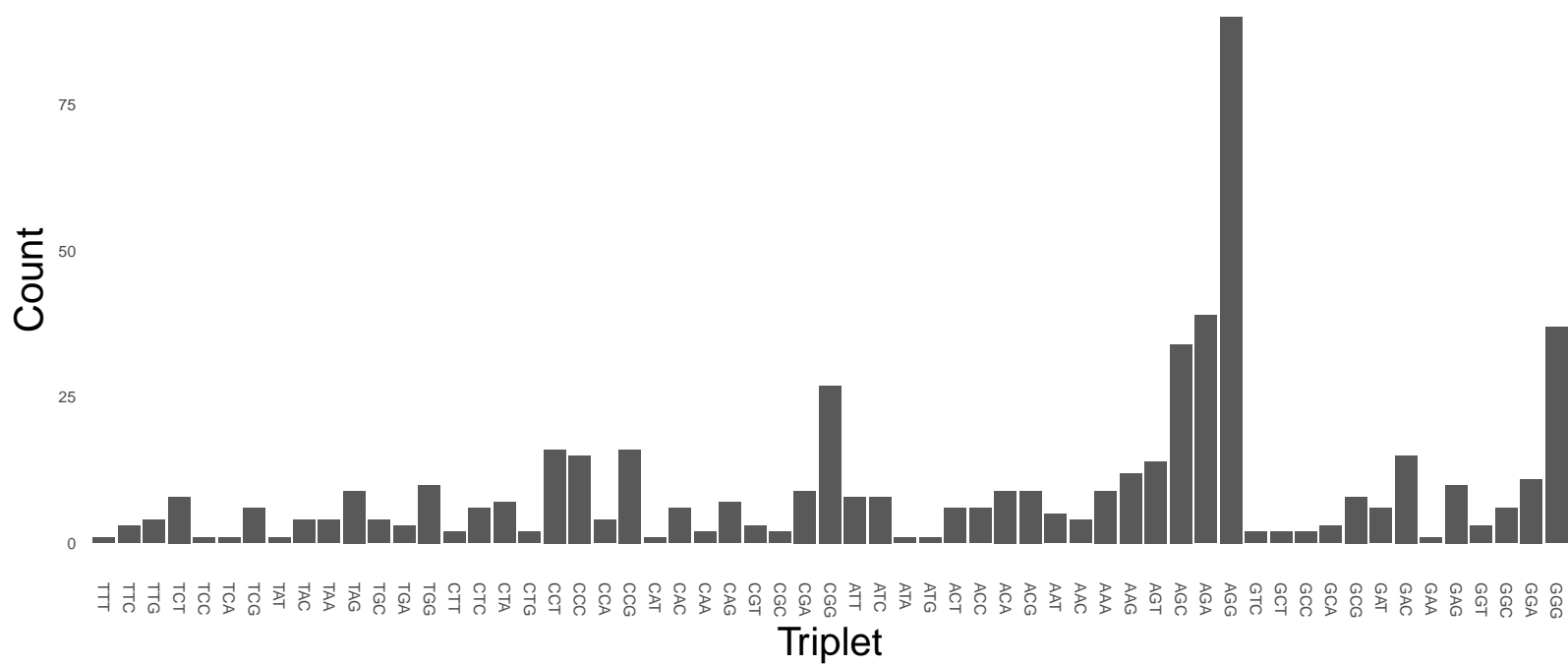
TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



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

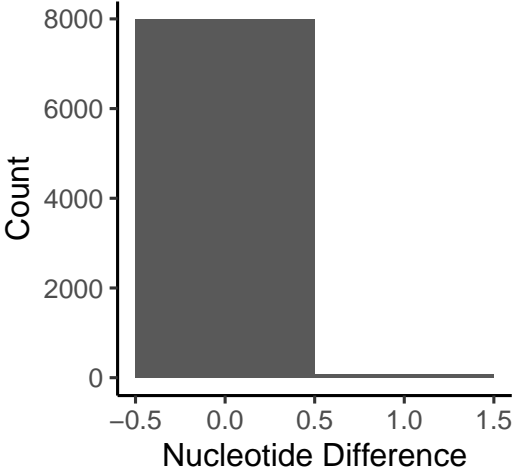


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



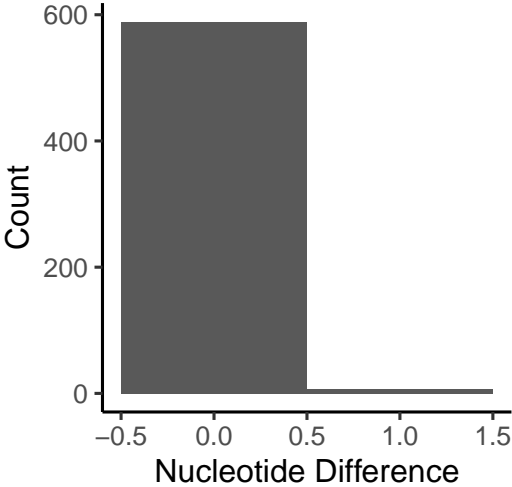
TRBV20-1\*ap01

8062 sequences assigned  
7988 (99.1%) exact matches, in which:  
7861 unique CDR3  
13 unique J



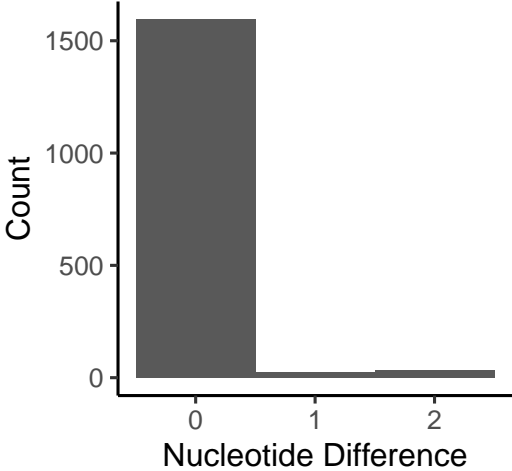
TRBV10-2\*ap01

596 sequences assigned  
589 (98.8%) exact matches, in which:  
575 unique CDR3  
13 unique J



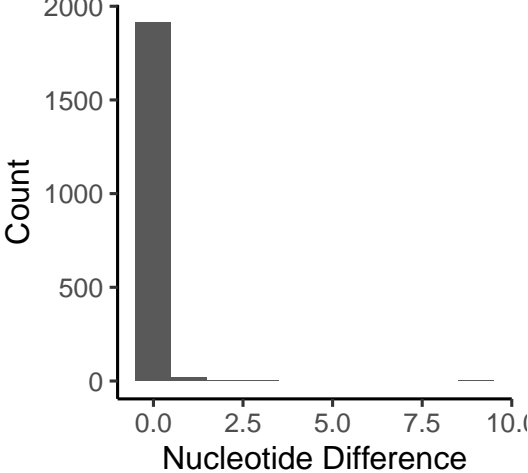
TRBV13\*ap01

1652 sequences assigned  
1595 (96.5%) exact matches, in which:  
1560 unique CDR3  
13 unique J



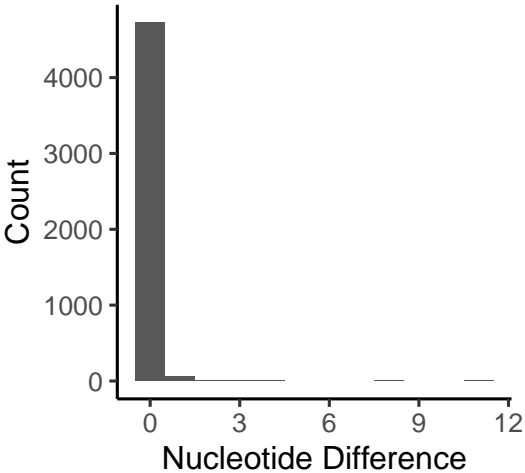
TRBV10-1\*ap01

1937 sequences assigned  
1912 (98.7%) exact matches, in which:  
1873 unique CDR3  
13 unique J



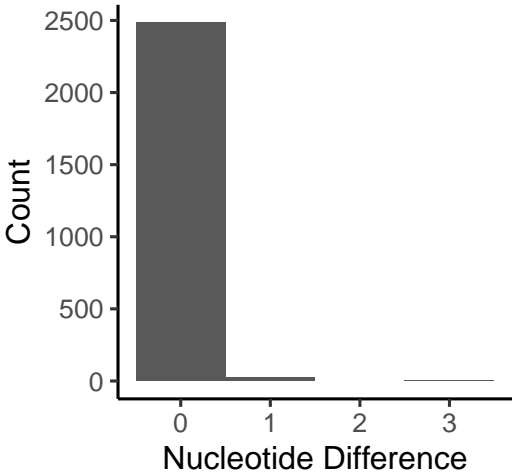
TRBV10-3\*ap01

4784 sequences assigned  
4723 (98.7%) exact matches, in which:  
4628 unique CDR3  
13 unique J



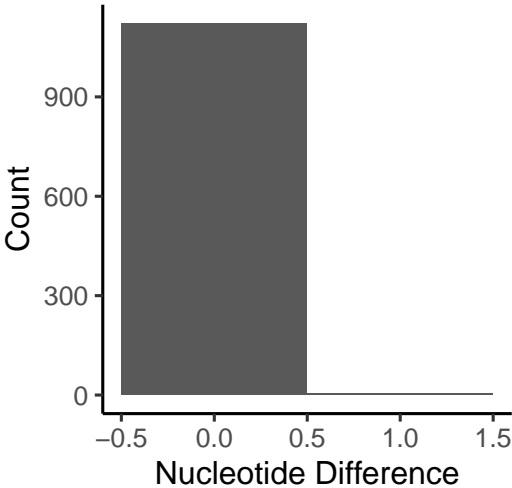
TRBV14\*ap01

2509 sequences assigned  
2484 (99%) exact matches, in which:  
2447 unique CDR3  
13 unique J



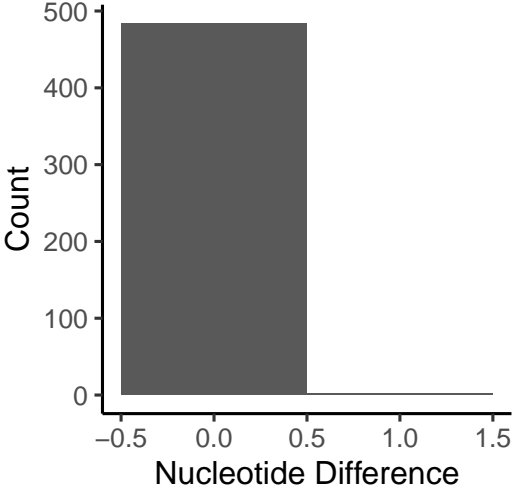
TRBV20-1\*ap02

1128 sequences assigned  
1122 (99.5%) exact matches, in which:  
1107 unique CDR3  
13 unique J



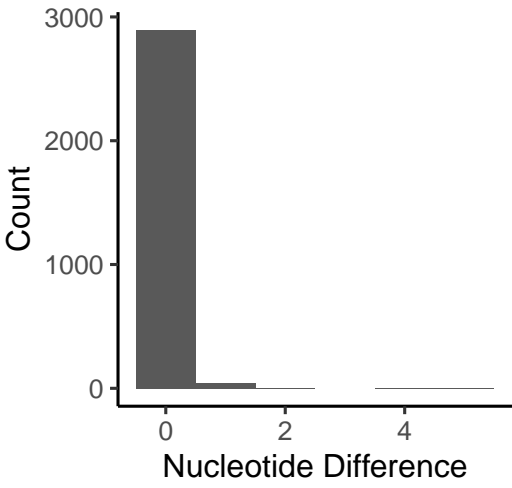
TRBV1\*ap01

486 sequences assigned  
484 (99.6%) exact matches, in which:  
475 unique CDR3  
14 unique J



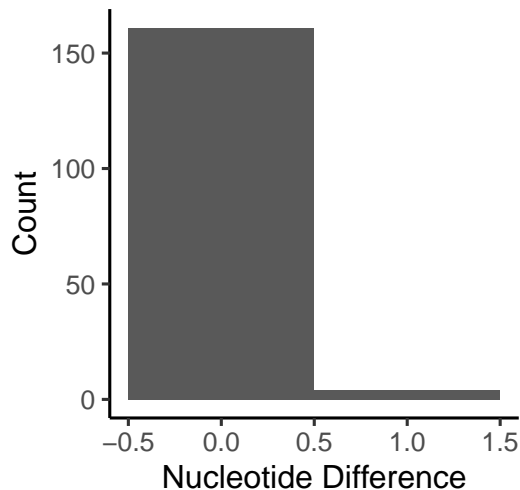
TRBV15\*ap02

2941 sequences assigned  
2894 (98.4%) exact matches, in which:  
2846 unique CDR3  
13 unique J



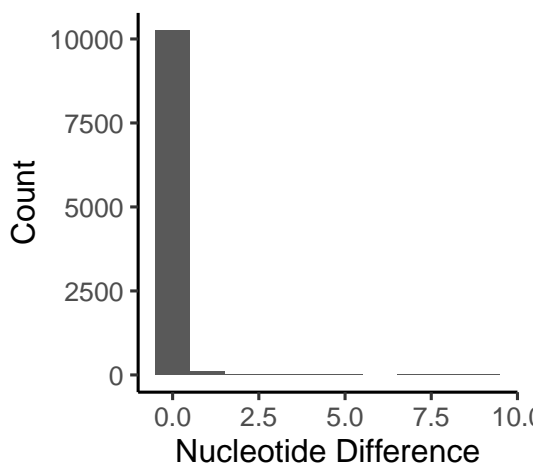
### TRBV16\*ap01

165 sequences assigned  
161 (97.6%) exact matches, in which:  
159 unique CDR3  
13 unique J



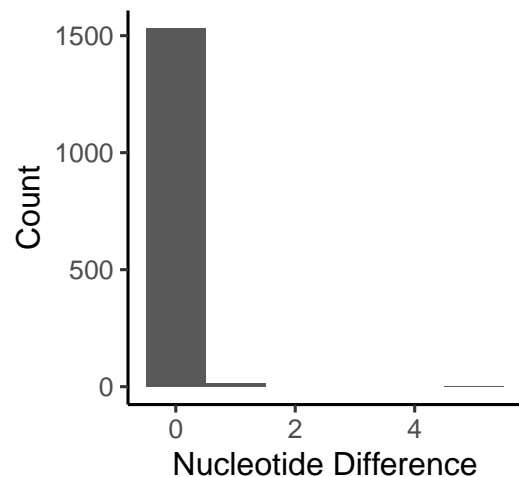
### TRBV19\*ap01

10387 sequences assigned  
10262 (98.8%) exact matches, in which:  
10159 unique CDR3  
13 unique J



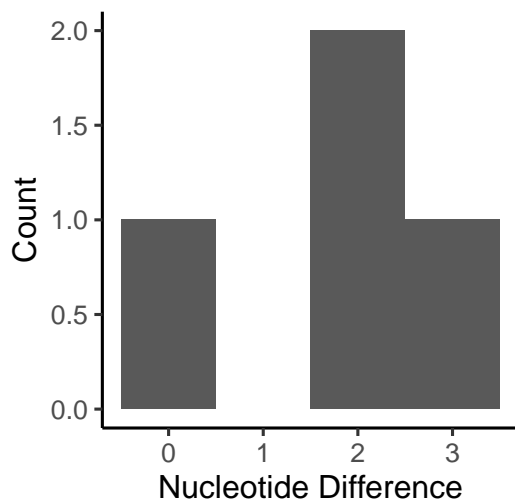
### TRBV28\*ap01

1547 sequences assigned  
1531 (99%) exact matches, in which:  
1498 unique CDR3  
13 unique J



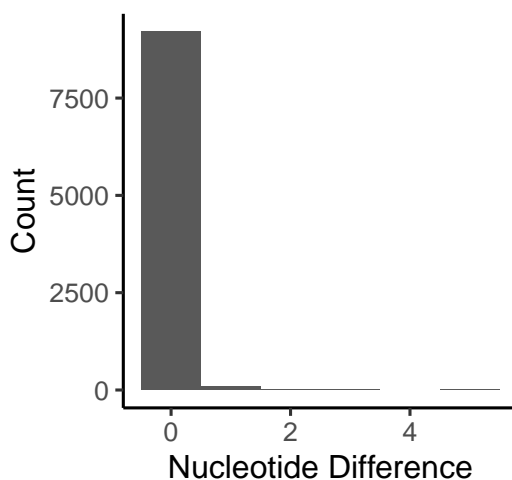
### TRBV17\*ap01

4 sequences assigned  
1 (25%) exact matches, in which:  
1 unique CDR3  
1 unique J



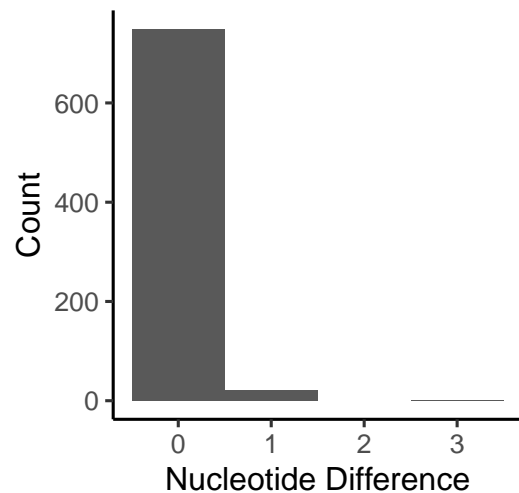
### TRBV2\*ap01

9313 sequences assigned  
9205 (98.8%) exact matches, in which:  
9054 unique CDR3  
13 unique J



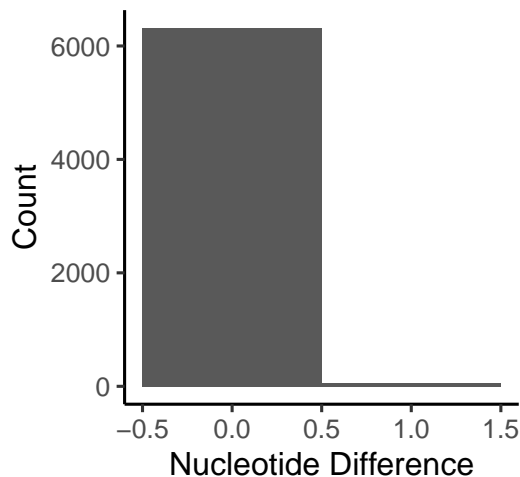
### TRBV30\*ap02

773 sequences assigned  
749 (96.9%) exact matches, in which:  
740 unique CDR3  
13 unique J



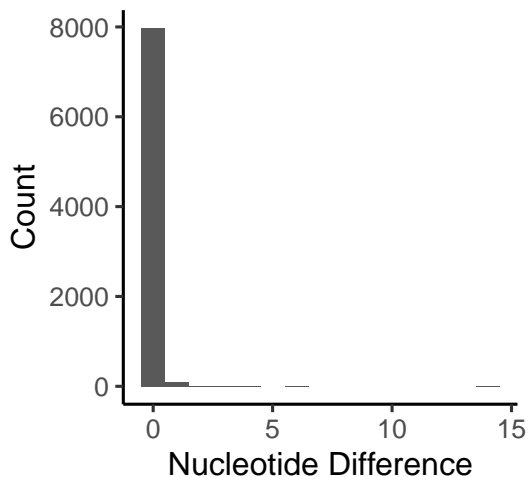
### TRBV18\*ap01

6373 sequences assigned  
6316 (99.1%) exact matches, in which:  
6242 unique CDR3  
13 unique J



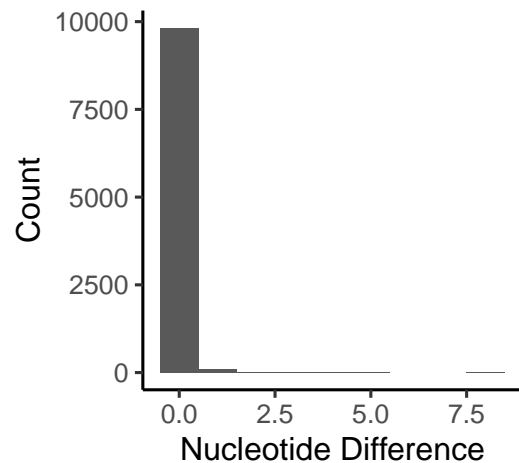
### TRBV27\*ap01

8078 sequences assigned  
7975 (98.7%) exact matches, in which:  
7816 unique CDR3  
13 unique J



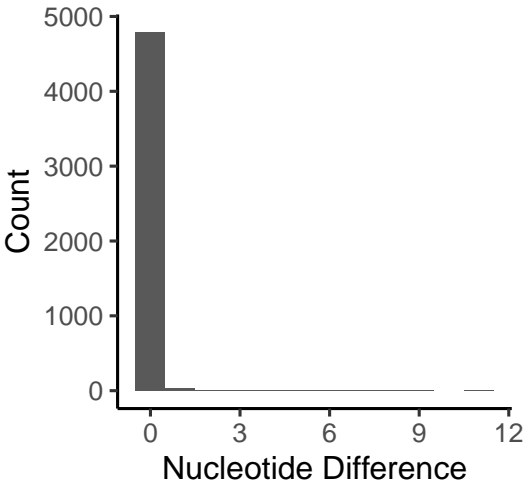
### TRBV9\*ap01

9941 sequences assigned  
9825 (98.8%) exact matches, in which:  
9663 unique CDR3  
13 unique J



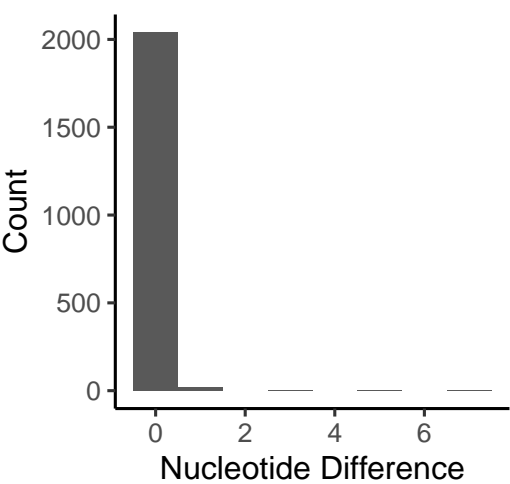
TRBV21-1\*ap01

4855 sequences assigned  
4787 (98.6%) exact matches, in which:  
4710 unique CDR3  
13 unique J



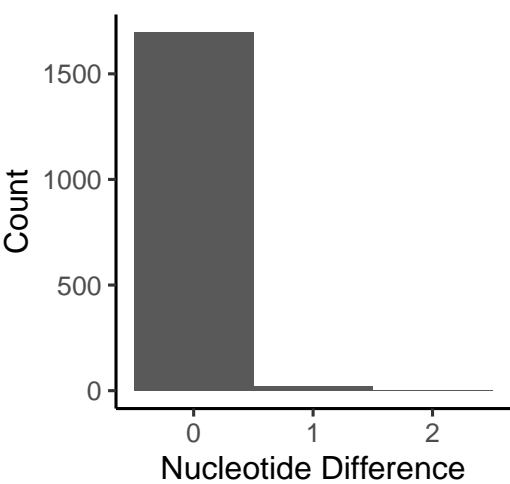
TRBV11-3\*ap01

2063 sequences assigned  
2040 (98.9%) exact matches, in which:  
2008 unique CDR3  
13 unique J



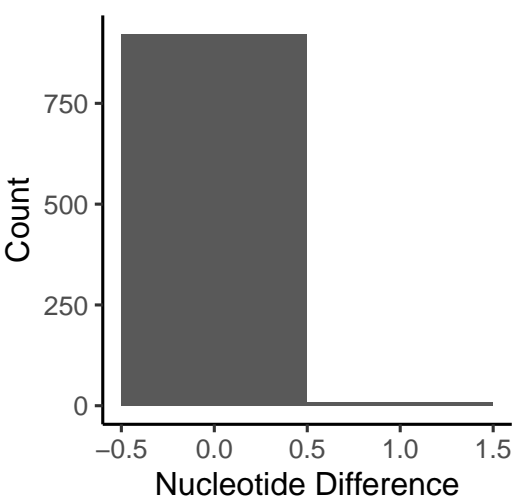
TRBV12-5\*ap01

1718 sequences assigned  
1696 (98.7%) exact matches, in which:  
1667 unique CDR3  
13 unique J



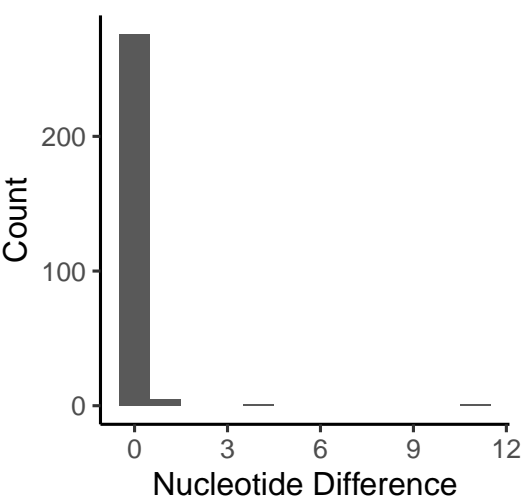
TRBV11-1\*ap01

930 sequences assigned  
922 (99.1%) exact matches, in which:  
912 unique CDR3  
13 unique J



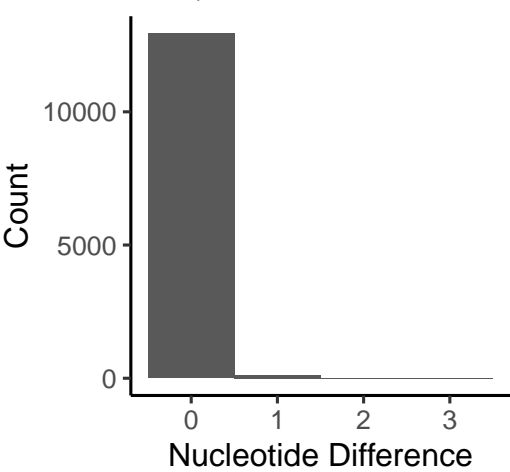
TRBV12-1\*ap01

283 sequences assigned  
276 (97.5%) exact matches, in which:  
270 unique CDR3  
13 unique J



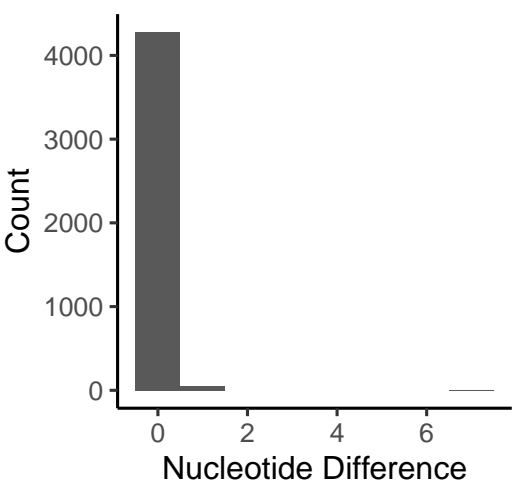
TRBV12-34\*ap01

13076 sequences assigned  
12941 (99%) exact matches, in which:  
12713 unique CDR3  
13 unique J



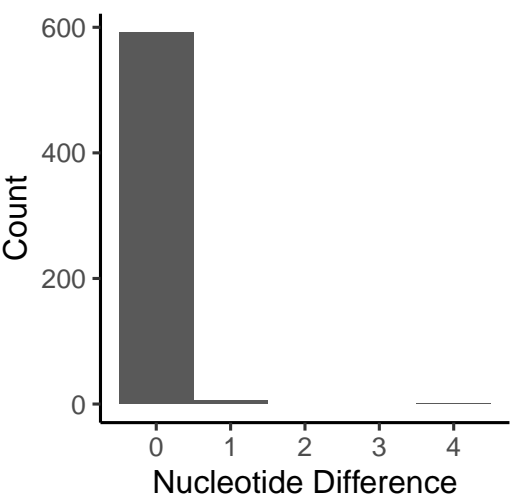
TRBV11-2\*ap01

4335 sequences assigned  
4279 (98.7%) exact matches, in which:  
4203 unique CDR3  
13 unique J



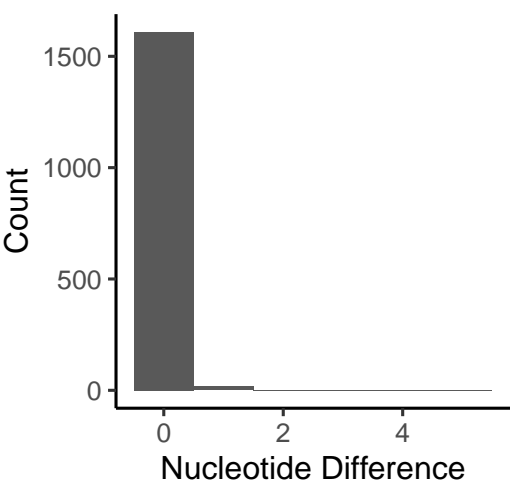
TRBV12-2\*ap01

599 sequences assigned  
592 (98.8%) exact matches, in which:  
577 unique CDR3  
13 unique J



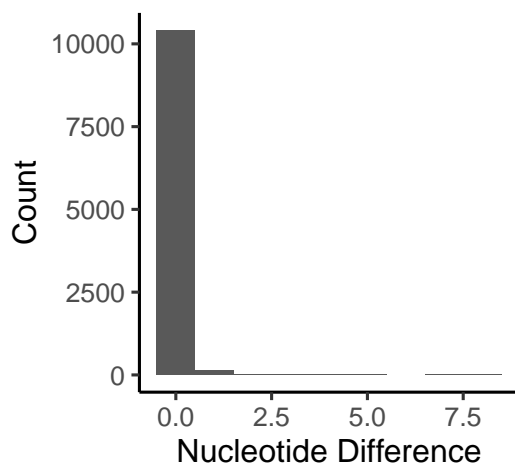
TRBV23-1\*ap01

1632 sequences assigned  
1609 (98.6%) exact matches, in which:  
1580 unique CDR3  
13 unique J



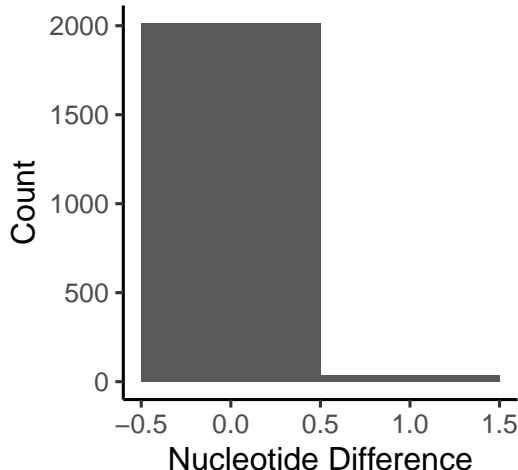
### TRBV3–12\*ap01

10553 sequences assigned  
10414 (98.7%) exact matches, in which:  
10260 unique CDR3  
13 unique J



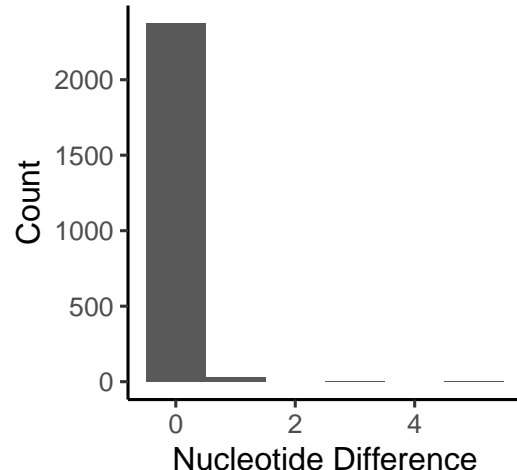
### TRBV4–2\*ap01

2048 sequences assigned  
2013 (98.3%) exact matches, in which:  
1991 unique CDR3  
13 unique J



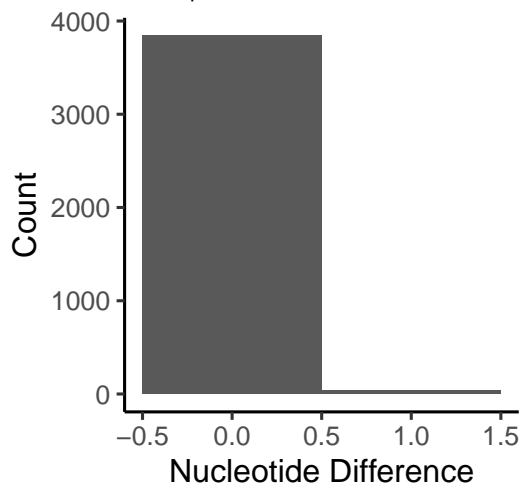
### TRBV25–1\*ap01

2405 sequences assigned  
2373 (98.7%) exact matches, in which:  
2327 unique CDR3  
13 unique J



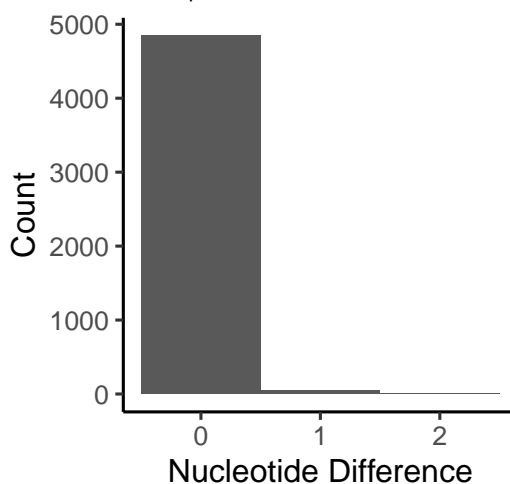
### TRBV4–1\*ap01

3876 sequences assigned  
3842 (99.1%) exact matches, in which:  
3782 unique CDR3  
13 unique J



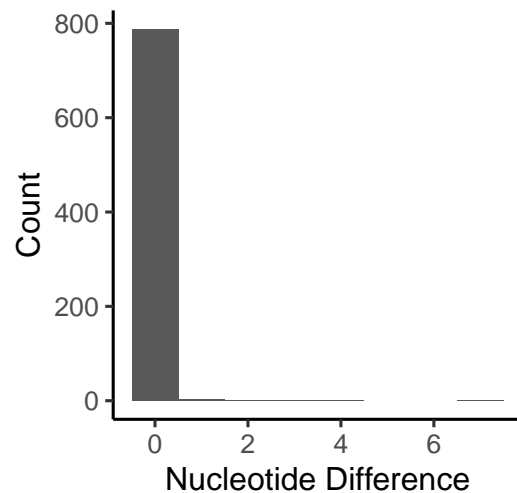
### TRBV4–3\*ap01

4888 sequences assigned  
4845 (99.1%) exact matches, in which:  
4739 unique CDR3  
13 unique J



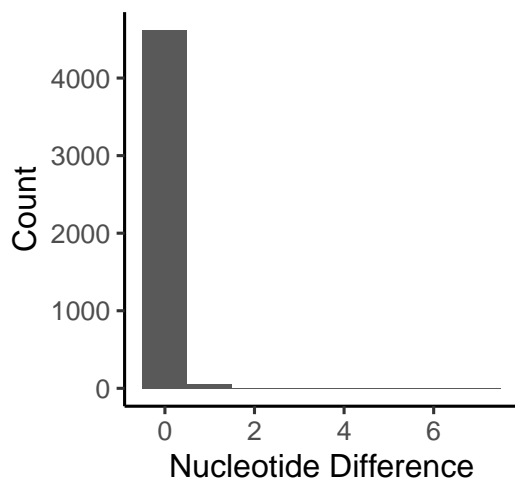
### TRBV5–3\*ap01

797 sequences assigned  
788 (98.9%) exact matches, in which:  
778 unique CDR3  
13 unique J



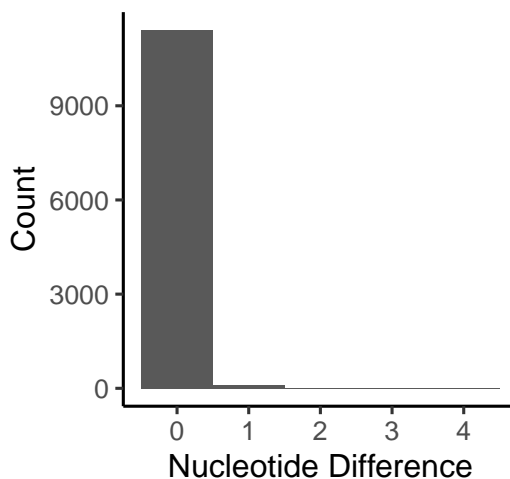
### TRBV24–1\*ap01

4682 sequences assigned  
4619 (98.7%) exact matches, in which:  
4552 unique CDR3  
13 unique J



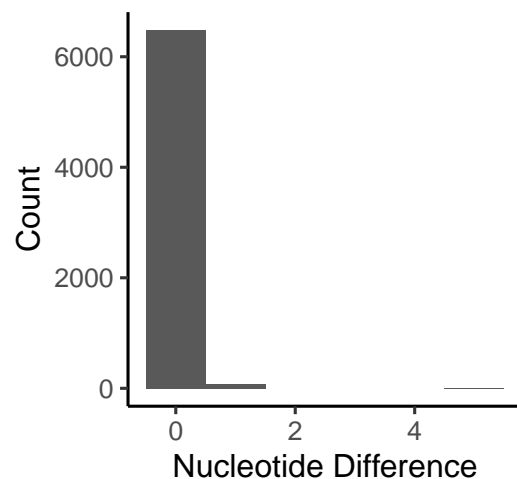
### TRBV5–1\*ap01

11530 sequences assigned  
11412 (99%) exact matches, in which:  
11162 unique CDR3  
13 unique J



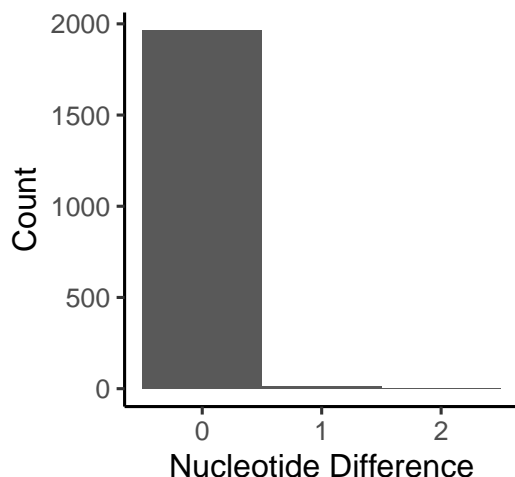
### TRBV5–4\*ap01

6563 sequences assigned  
6483 (98.8%) exact matches, in which:  
6364 unique CDR3  
13 unique J



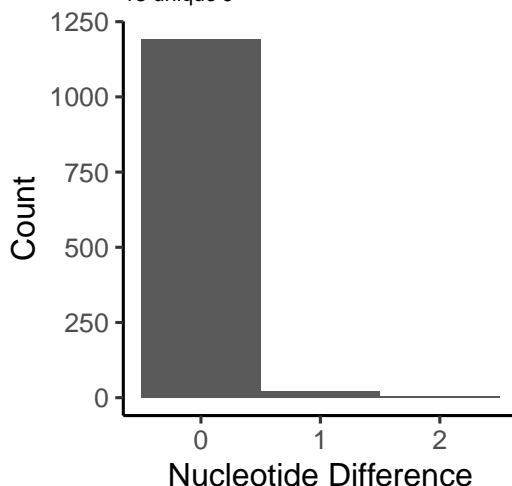
### TRBV5-5\*ap01

1980 sequences assigned  
1964 (99.2%) exact matches, in which:  
1937 unique CDR3  
13 unique J



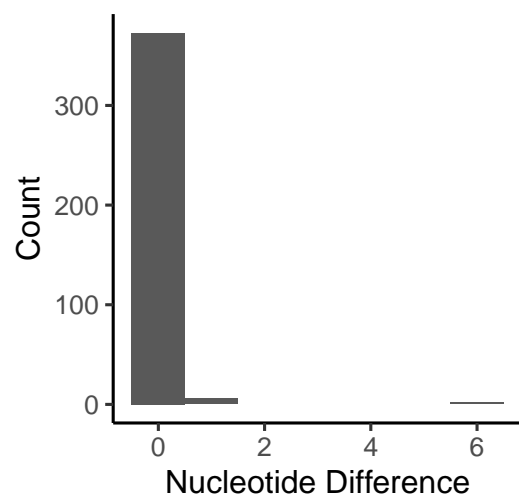
### TRBV5-8\*ap01

1219 sequences assigned  
1191 (97.7%) exact matches, in which:  
1175 unique CDR3  
13 unique J



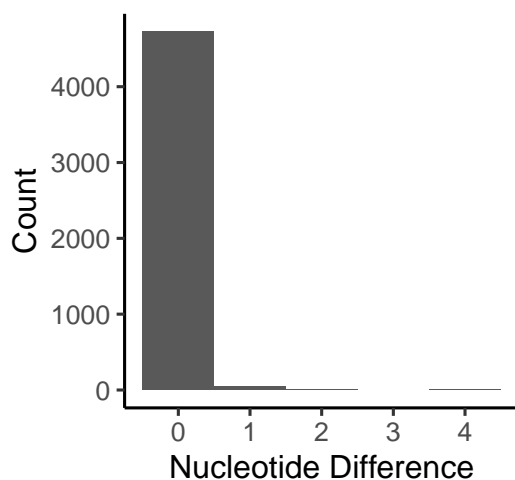
### TRBV6-7\*ap01

381 sequences assigned  
373 (97.9%) exact matches, in which:  
366 unique CDR3  
13 unique J



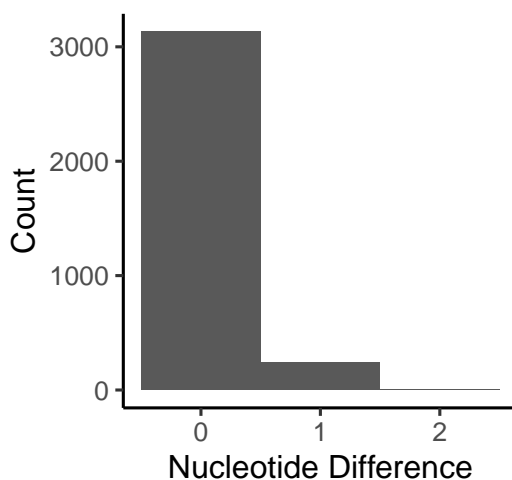
### TRBV5-6\*ap01

4779 sequences assigned  
4725 (98.9%) exact matches, in which:  
4621 unique CDR3  
13 unique J



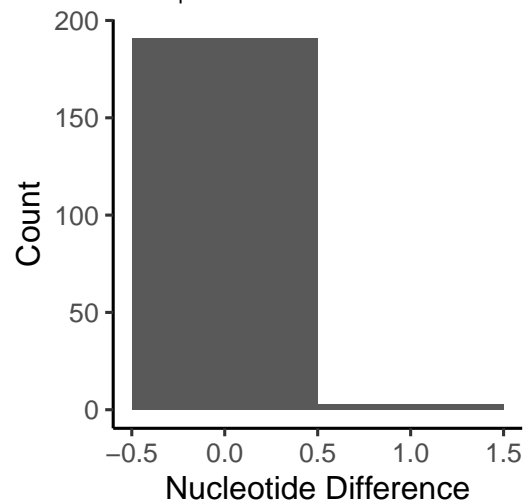
### TRBV6-1\*ap01

3374 sequences assigned  
3132 (92.8%) exact matches, in which:  
3065 unique CDR3  
13 unique J



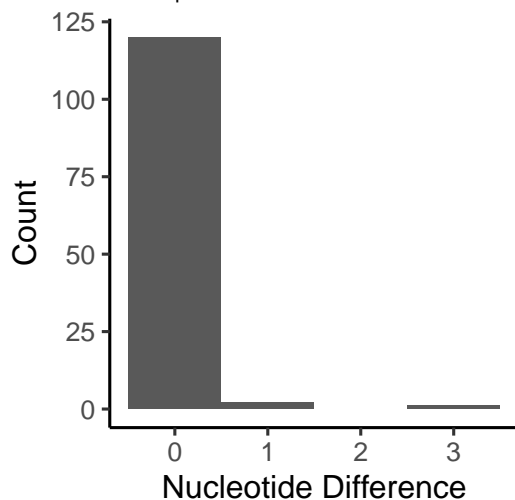
### TRBV6-8\*ap01

194 sequences assigned  
191 (98.5%) exact matches, in which:  
188 unique CDR3  
13 unique J



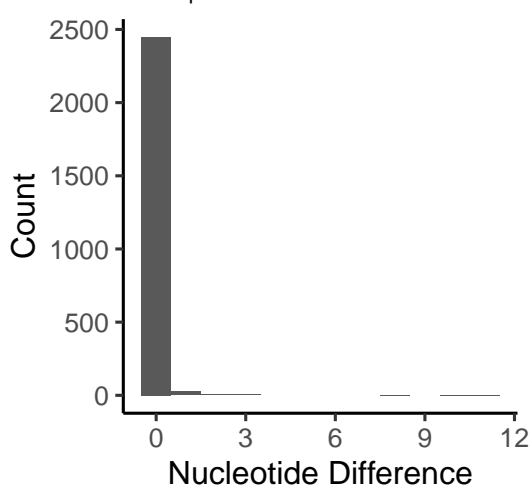
### TRBV5-7\*ap01

123 sequences assigned  
120 (97.6%) exact matches, in which:  
119 unique CDR3  
12 unique J



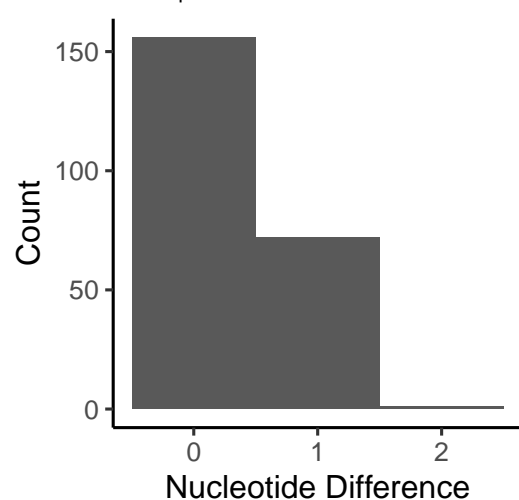
### TRBV6-4\*ap01

2490 sequences assigned  
2448 (98.3%) exact matches, in which:  
2408 unique CDR3  
13 unique J



### TRBV6-9\*ap01

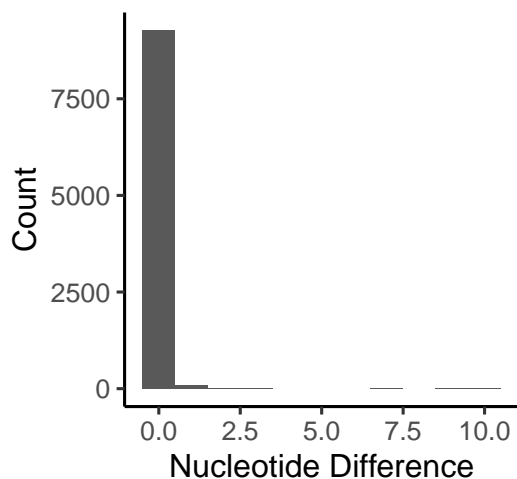
229 sequences assigned  
156 (68.1%) exact matches, in which:  
156 unique CDR3  
13 unique J





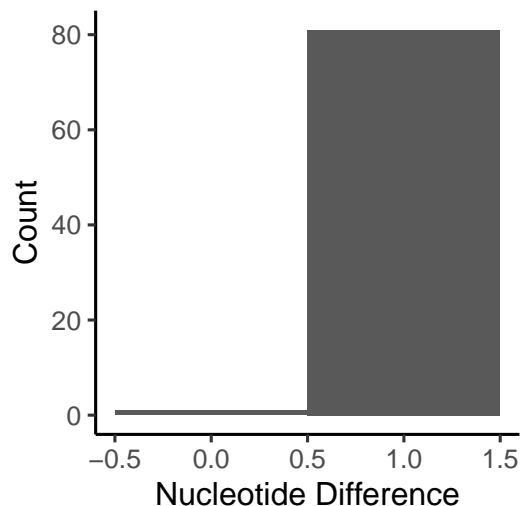
### TRBV6-23\*ap01

9369 sequences assigned  
9269 (98.9%) exact matches, in which:  
9107 unique CDR3  
13 unique J



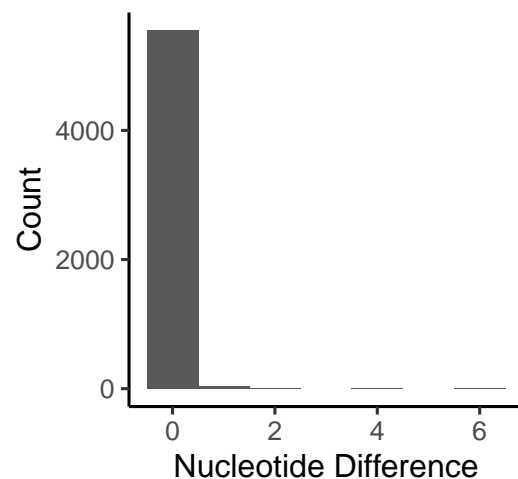
### TRBV7-1\*ap01\_T296C

82 sequences assigned  
1 (1.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



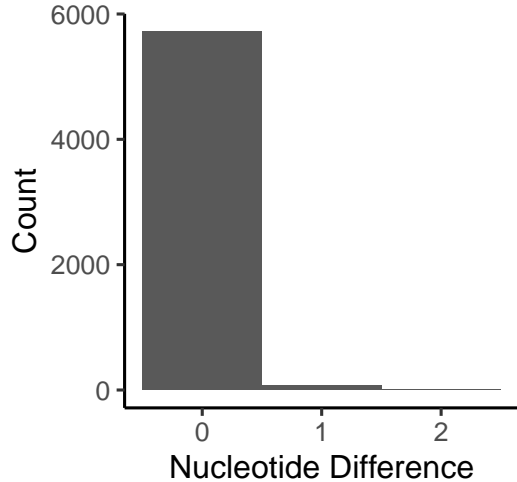
### TRBV7-3\*ap01

5595 sequences assigned  
5549 (99.2%) exact matches, in which:  
5463 unique CDR3  
13 unique J



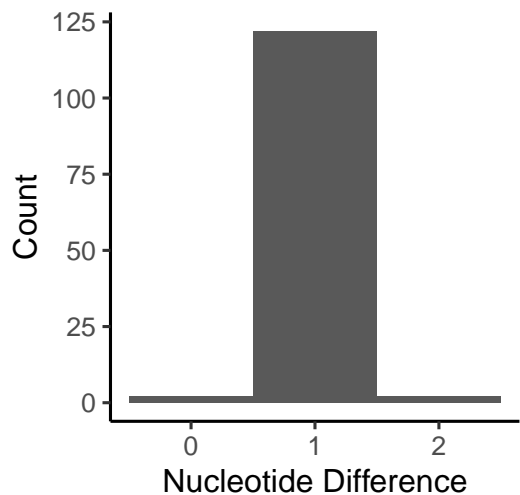
### TRBV6-56\*ap01

5792 sequences assigned  
5717 (98.7%) exact matches, in which:  
5612 unique CDR3  
14 unique J



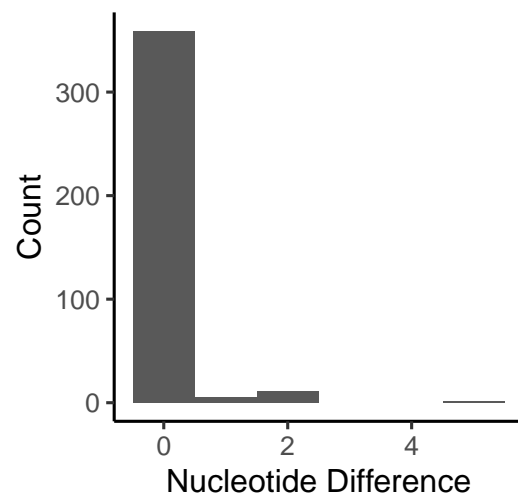
### TRBV7-1\*ap01\_T296C\_()

126 sequences assigned  
2 (1.6%) exact matches, in which:  
2 unique CDR3  
2 unique J



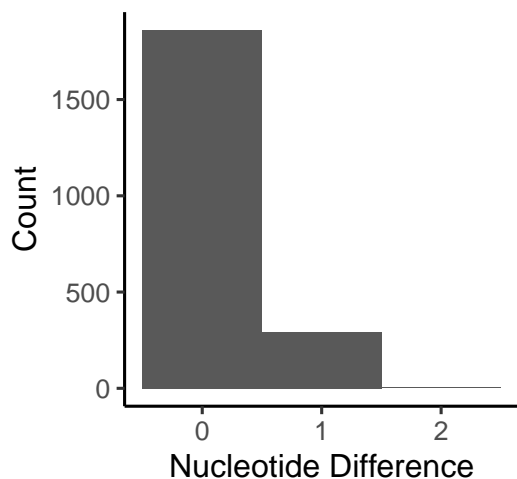
### TRBV7-4\*ap01

376 sequences assigned  
359 (95.5%) exact matches, in which:  
351 unique CDR3  
13 unique J



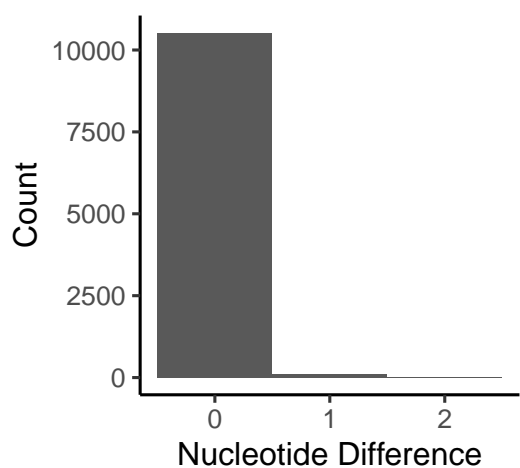
### TRBV6-56\*ap02

2158 sequences assigned  
1861 (86.2%) exact matches, in which:  
1833 unique CDR3  
13 unique J



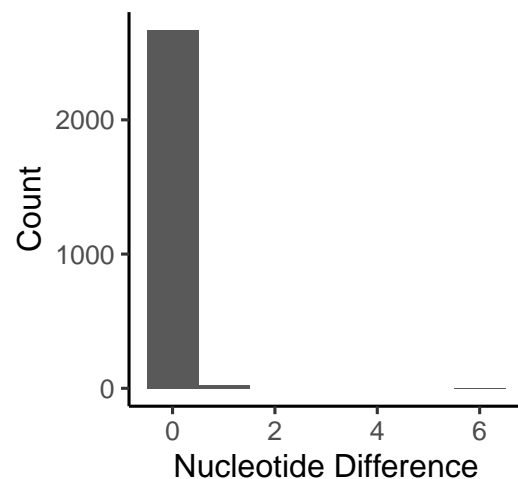
### TRBV7-2\*ap01

10621 sequences assigned  
10525 (99.1%) exact matches, in which:  
10373 unique CDR3  
13 unique J



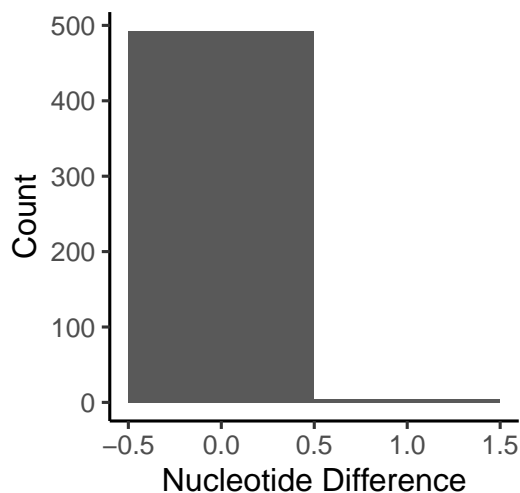
### TRBV7-6\*ap01

2694 sequences assigned  
2669 (99.1%) exact matches, in which:  
2630 unique CDR3  
13 unique J



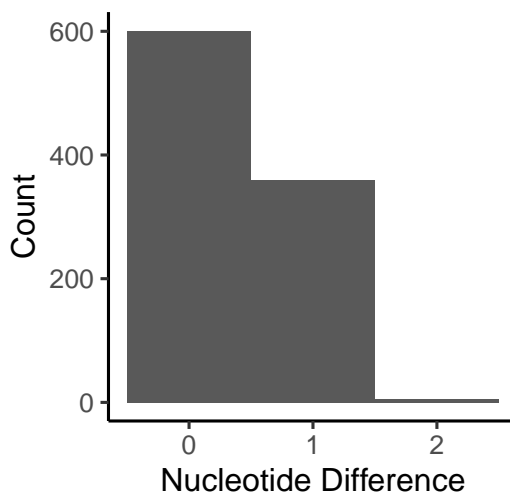
### TRBV7-7\*ap01

497 sequences assigned  
493 (99.2%) exact matches, in which:  
483 unique CDR3  
13 unique J



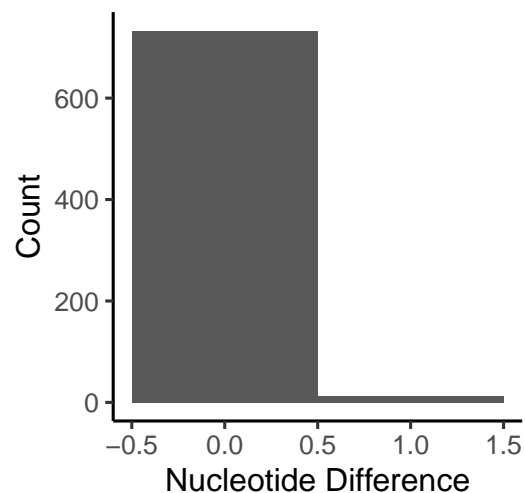
### TRBV7-8\*ap03

966 sequences assigned  
601 (62.2%) exact matches, in which:  
592 unique CDR3  
13 unique J



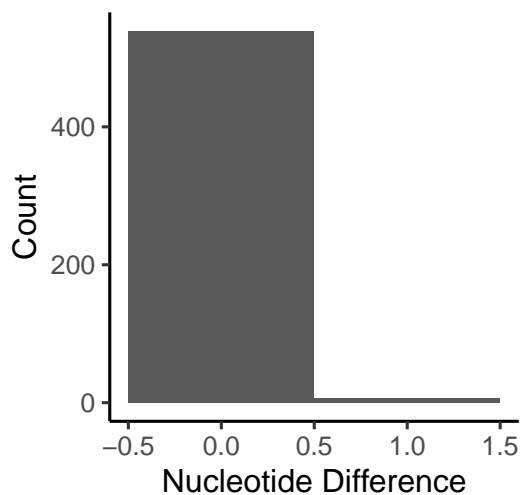
### TRBV29-1\*ap02

745 sequences assigned  
733 (98.4%) exact matches, in which:  
727 unique CDR3  
13 unique J



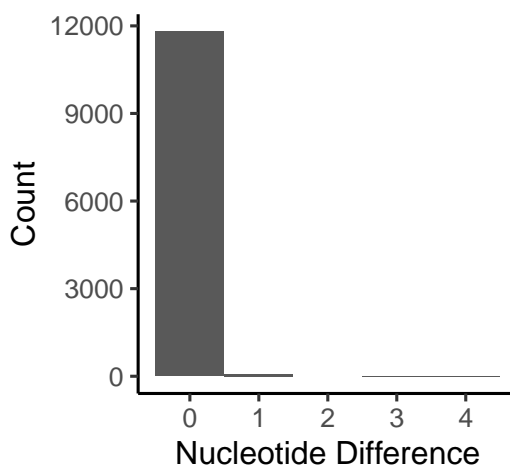
### TRBV7-7\*ap01\_C315T

545 sequences assigned  
539 (98.9%) exact matches, in which:  
527 unique CDR3  
13 unique J



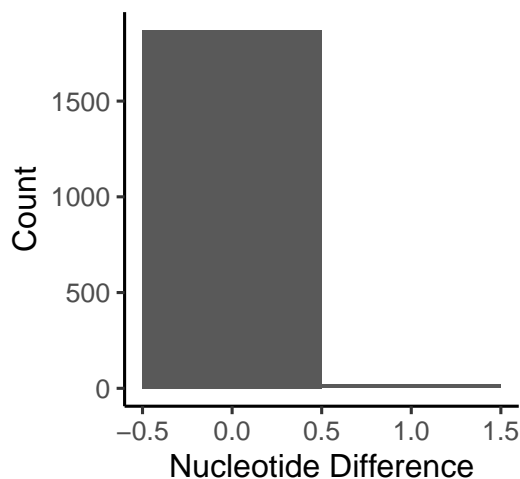
### TRBV7-9\*ap01

11882 sequences assigned  
11808 (99.4%) exact matches, in which:  
11656 unique CDR3  
14 unique J



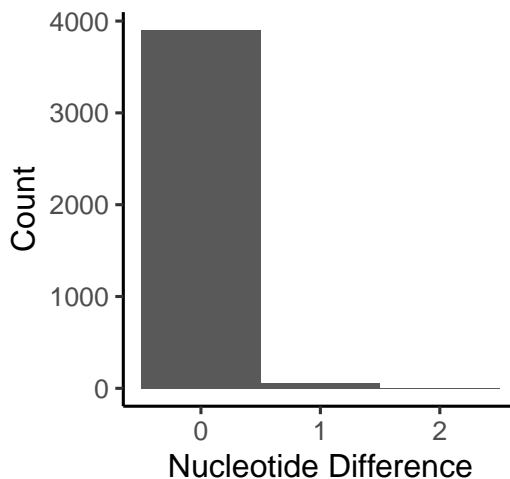
### TRBV7-8\*ap01

1891 sequences assigned  
1871 (98.9%) exact matches, in which:  
1834 unique CDR3  
13 unique J

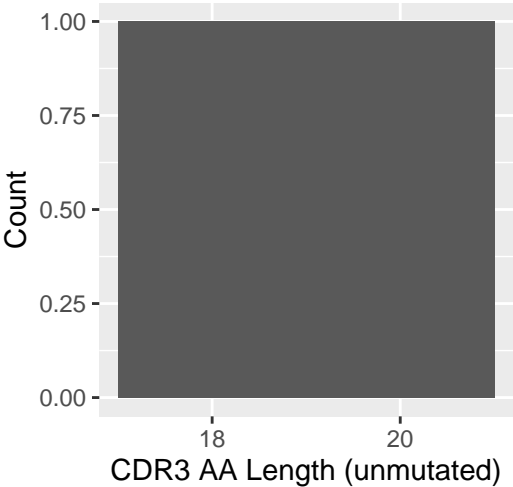


### TRBV29-1\*ap01

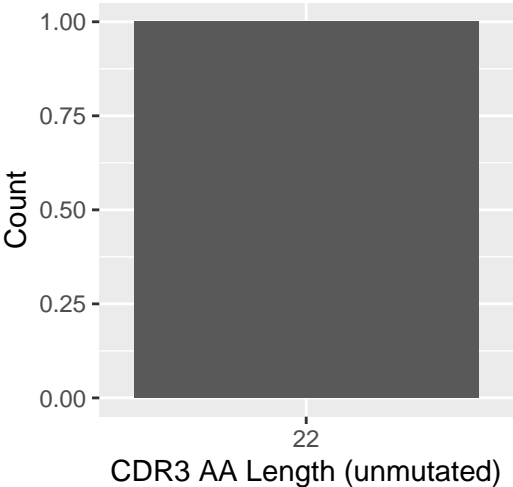
3964 sequences assigned  
3902 (98.4%) exact matches, in which:  
3842 unique CDR3  
13 unique J



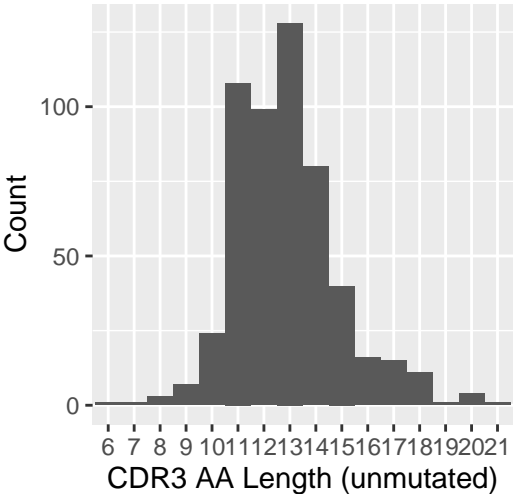
TRBV7-1\*ap01\_T296C\_C314T



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]