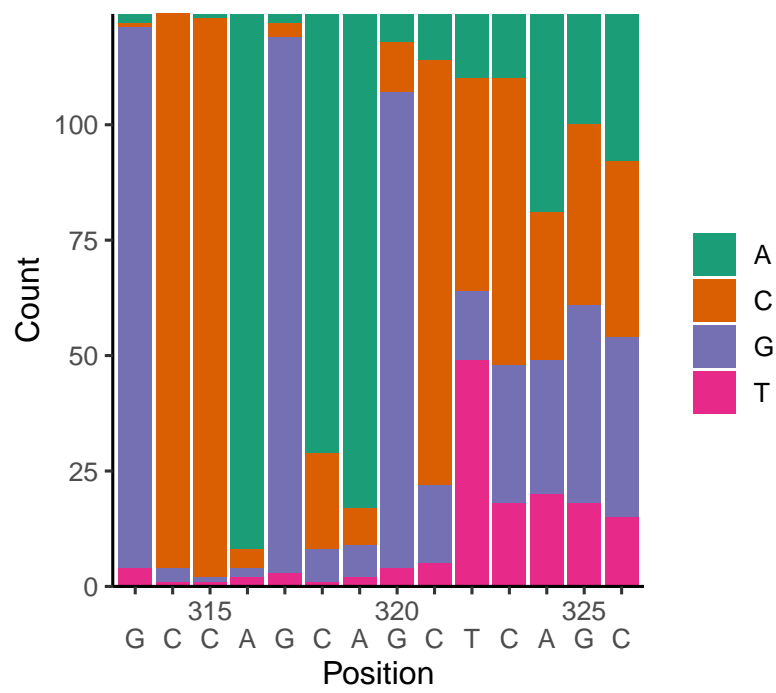


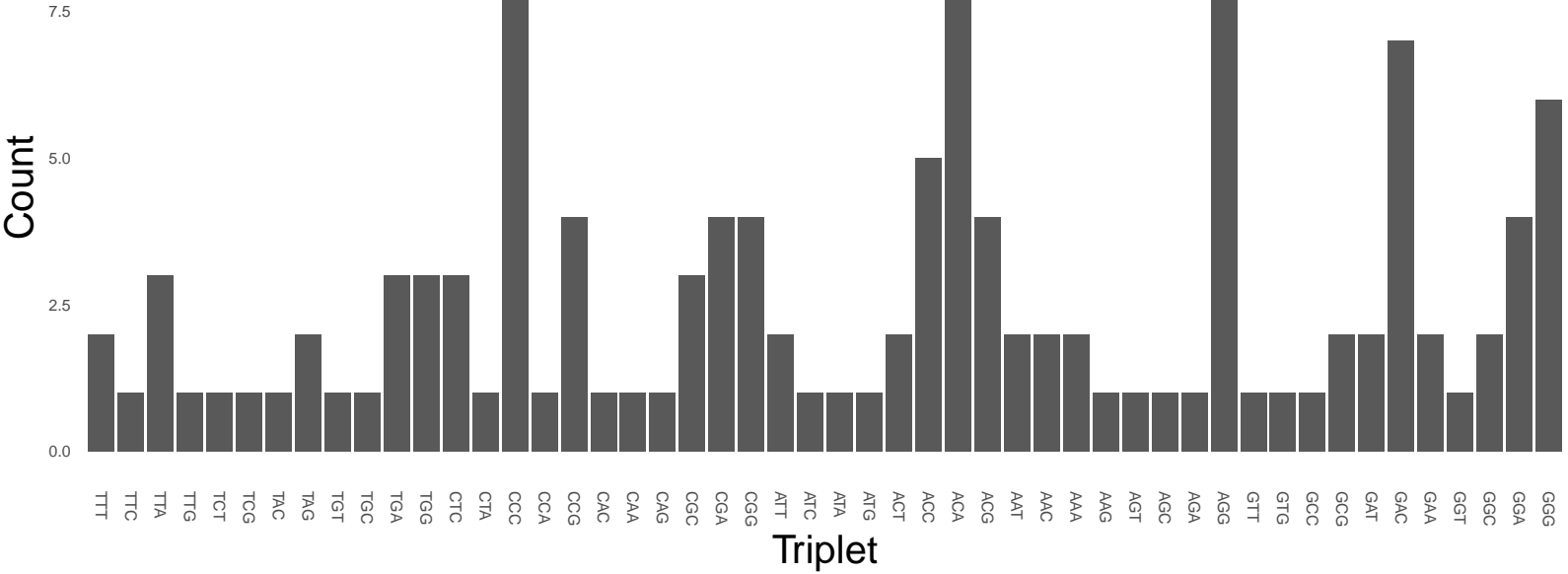
# Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-1\*ap01\_T296C

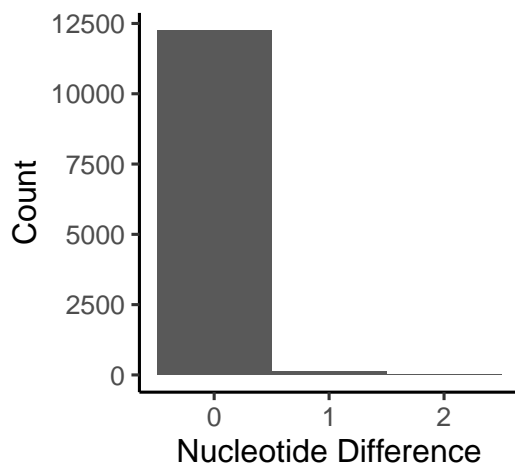


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



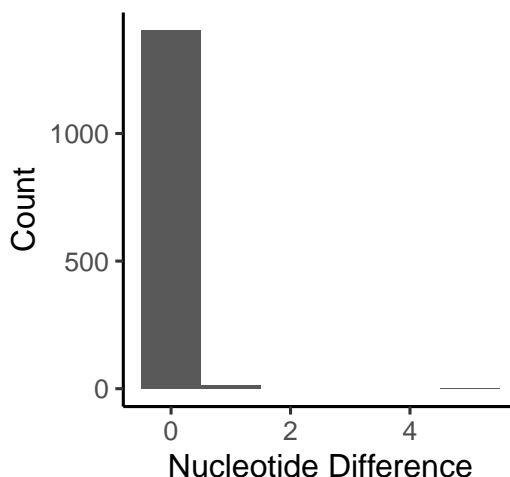
### TRBV20-1\*ap01

12399 sequences assigned  
12262 (98.9%) exact matches, in which:  
12096 unique CDR3  
14 unique J



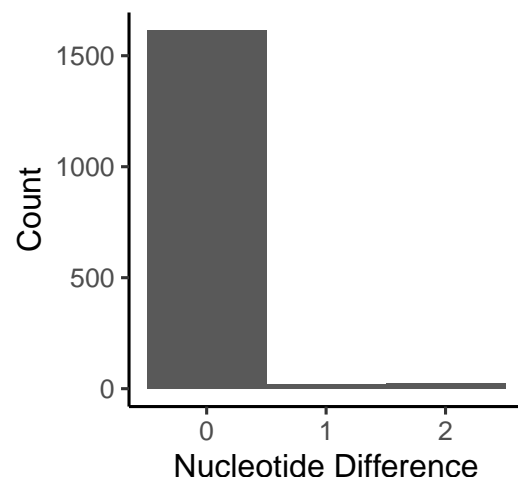
### TRBV10-2\*ap01

1418 sequences assigned  
1404 (99%) exact matches, in which:  
1377 unique CDR3  
13 unique J



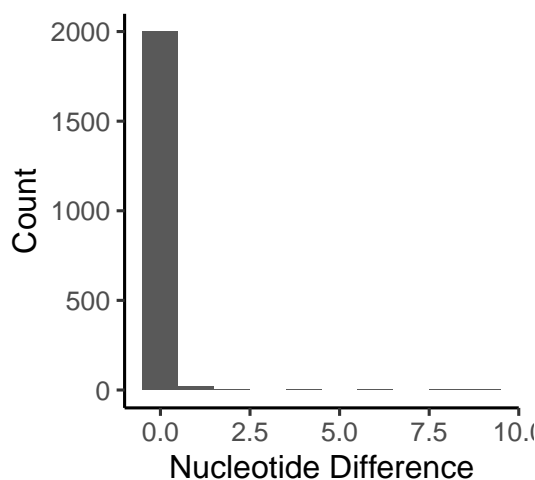
### TRBV13\*ap01

1659 sequences assigned  
1614 (97.3%) exact matches, in which:  
1571 unique CDR3  
13 unique J



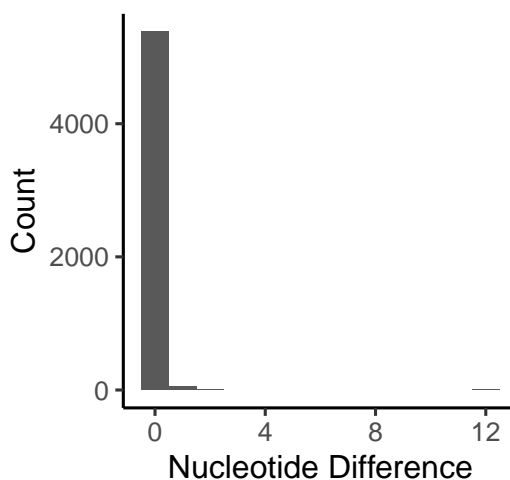
### TRBV10-1\*ap01

2026 sequences assigned  
1999 (98.7%) exact matches, in which:  
1955 unique CDR3  
13 unique J



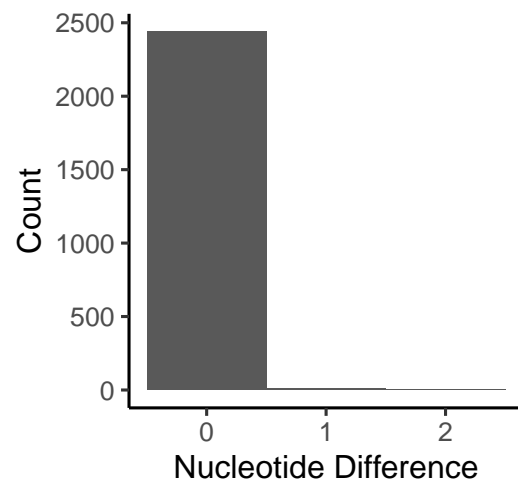
### TRBV10-3\*ap01

5444 sequences assigned  
5382 (98.9%) exact matches, in which:  
5272 unique CDR3  
13 unique J



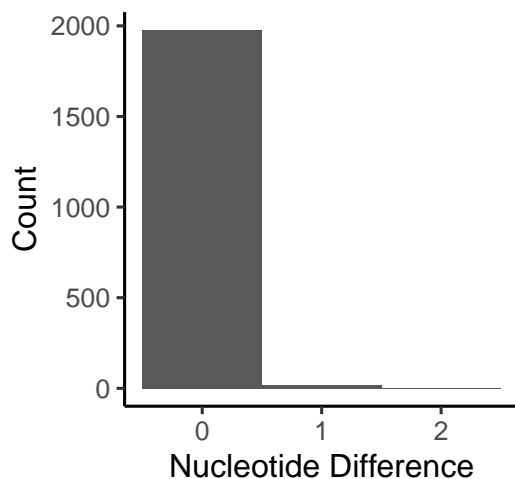
### TRBV14\*ap01

2451 sequences assigned  
2439 (99.5%) exact matches, in which:  
2398 unique CDR3  
13 unique J



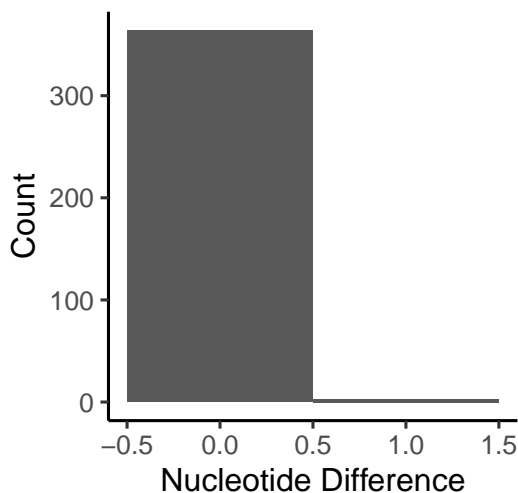
### TRBV20-1\*ap02

1997 sequences assigned  
1977 (99%) exact matches, in which:  
1950 unique CDR3  
13 unique J



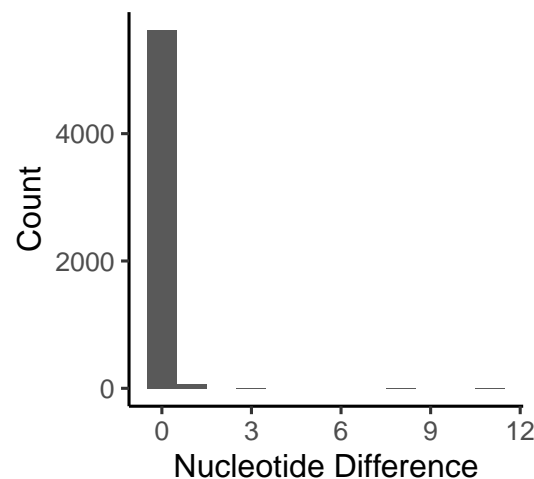
### TRBV1\*ap01

367 sequences assigned  
364 (99.2%) exact matches, in which:  
356 unique CDR3  
13 unique J



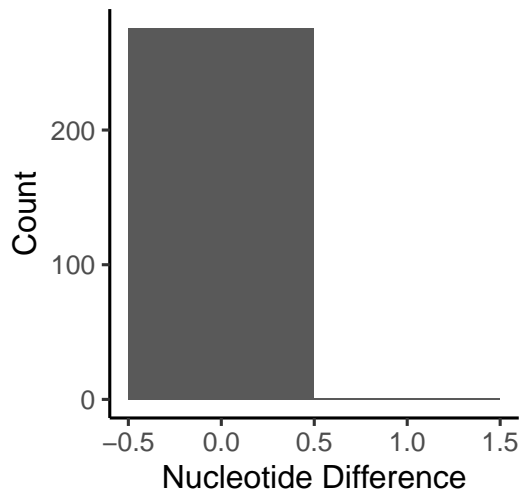
### TRBV15\*ap02

5697 sequences assigned  
5627 (98.8%) exact matches, in which:  
5502 unique CDR3  
13 unique J



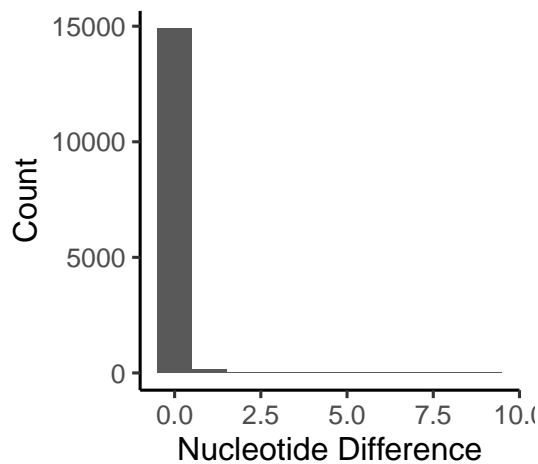
### TRBV16\*ap01

277 sequences assigned  
276 (99.6%) exact matches, in which:  
275 unique CDR3  
13 unique J



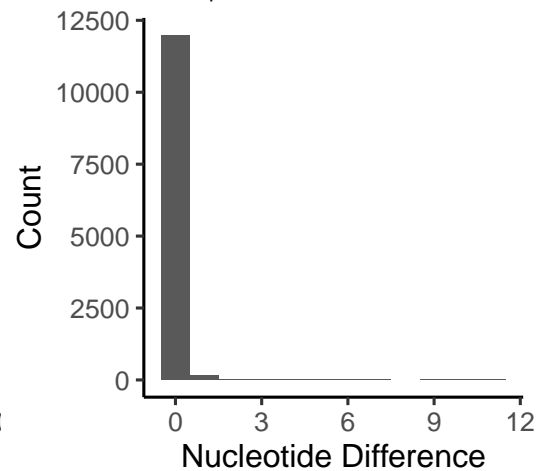
### TRBV19\*ap01

15064 sequences assigned  
14916 (99%) exact matches, in which:  
14771 unique CDR3  
13 unique J



### TRBV27\*ap01

12142 sequences assigned  
11985 (98.7%) exact matches, in which:  
11742 unique CDR3  
13 unique J



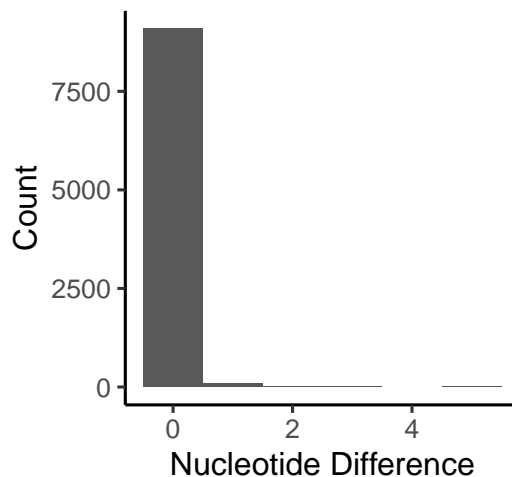
### TRBV17\*ap01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



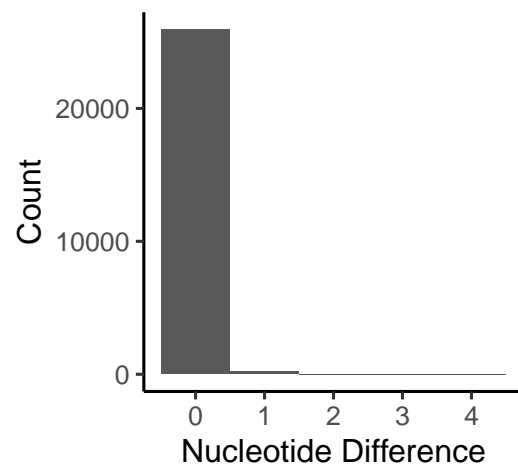
### TRBV2\*ap01

9190 sequences assigned  
9088 (98.9%) exact matches, in which:  
8940 unique CDR3  
13 unique J



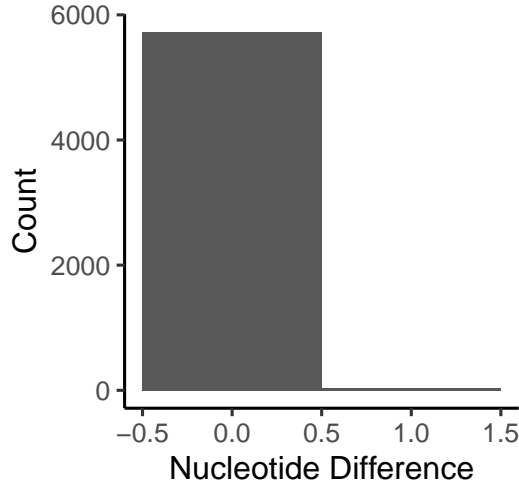
### TRBV28\*ap01

26176 sequences assigned  
25942 (99.1%) exact matches, in which:  
25539 unique CDR3  
13 unique J



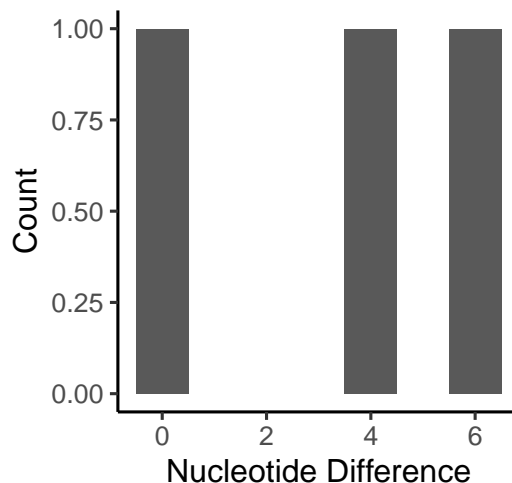
### TRBV18\*ap01

5766 sequences assigned  
5725 (99.3%) exact matches, in which:  
5671 unique CDR3  
13 unique J



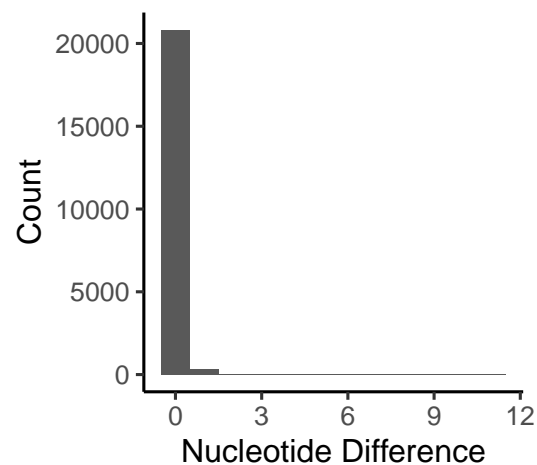
### TRBV26\*ap01

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



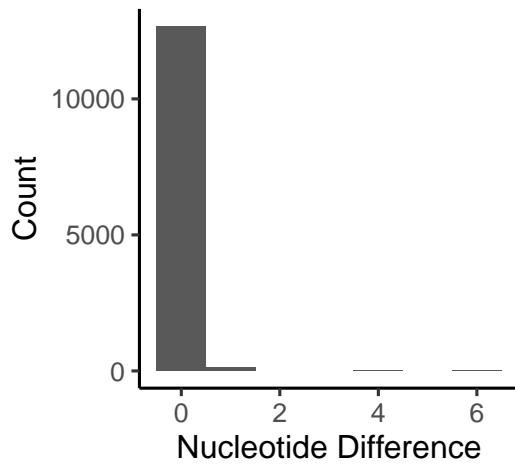
### TRBV30\*ap01

21164 sequences assigned  
20827 (98.4%) exact matches, in which:  
20602 unique CDR3  
13 unique J



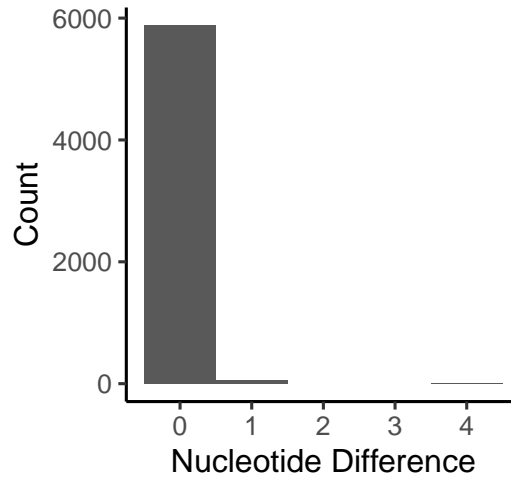
### TRBV9\*ap01

12809 sequences assigned  
12673 (98.9%) exact matches, in which:  
12483 unique CDR3  
13 unique J



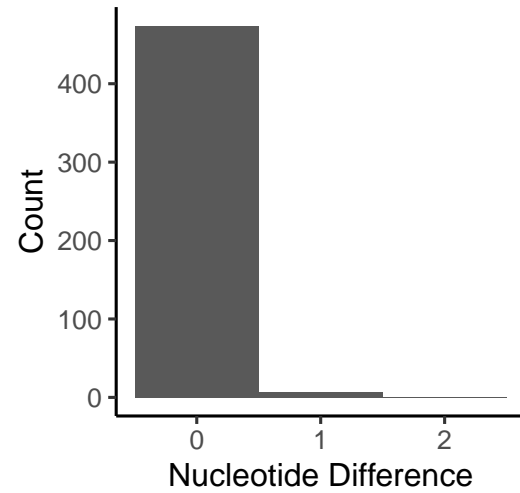
### TRBV11-2\*ap01

5940 sequences assigned  
5880 (99%) exact matches, in which:  
5806 unique CDR3  
13 unique J



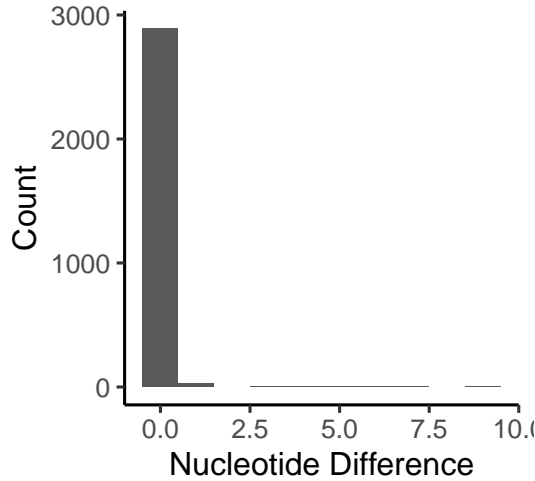
### TRBV12-2\*ap01

482 sequences assigned  
474 (98.3%) exact matches, in which:  
467 unique CDR3  
13 unique J



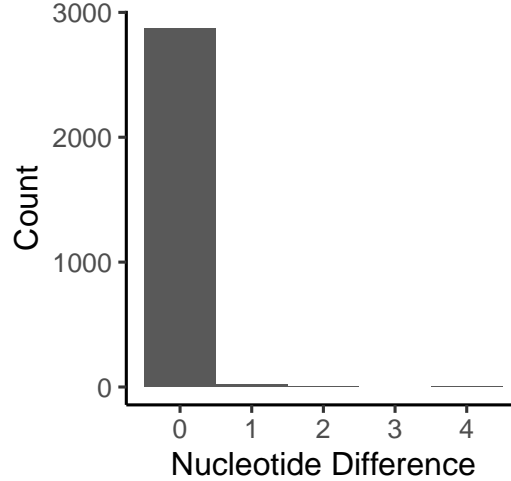
### TRBV21-1\*ap01

2929 sequences assigned  
2889 (98.6%) exact matches, in which:  
2849 unique CDR3  
13 unique J



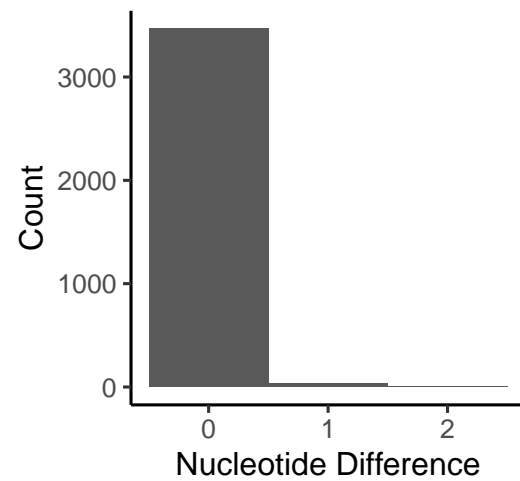
### TRBV11-3\*ap01

2895 sequences assigned  
2869 (99.1%) exact matches, in which:  
2822 unique CDR3  
13 unique J



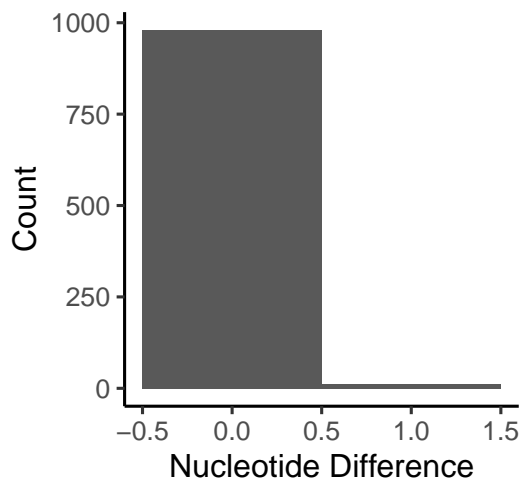
### TRBV12-5\*ap01

3501 sequences assigned  
3467 (99%) exact matches, in which:  
3412 unique CDR3  
13 unique J



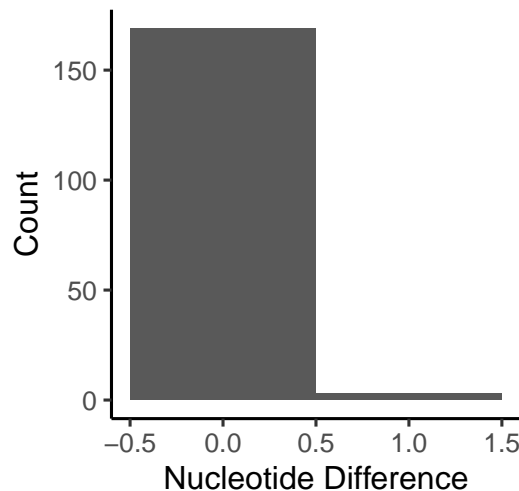
### TRBV11-1\*ap01

992 sequences assigned  
980 (98.8%) exact matches, in which:  
965 unique CDR3  
13 unique J



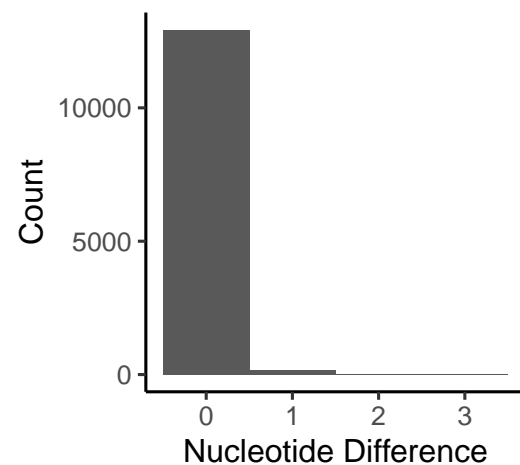
### TRBV12-1\*ap01

172 sequences assigned  
169 (98.3%) exact matches, in which:  
166 unique CDR3  
13 unique J



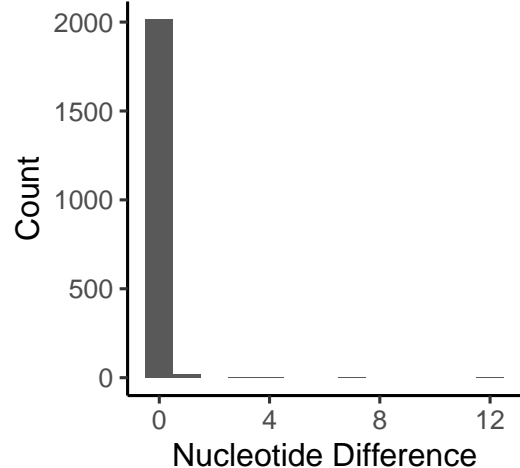
### TRBV12-34\*ap01

13087 sequences assigned  
12927 (98.8%) exact matches, in which:  
12721 unique CDR3  
13 unique J



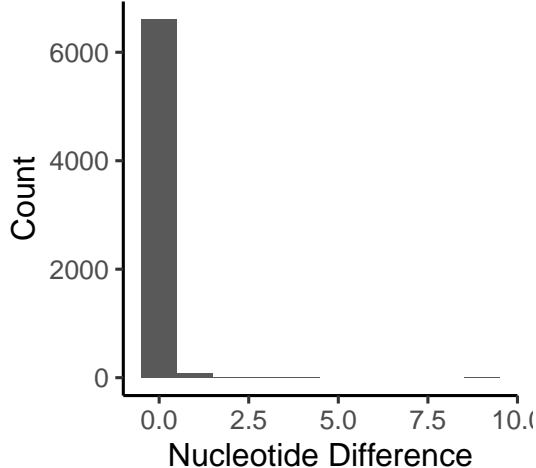
### TRBV23-1\*ap01

2041 sequences assigned  
2015 (98.7%) exact matches, in which:  
1986 unique CDR3  
13 unique J



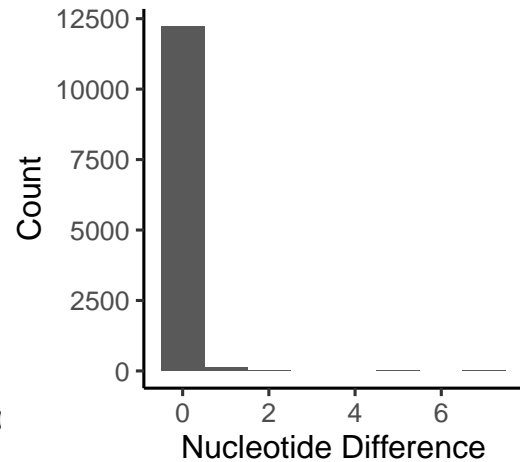
### TRBV24-1\*ap01

6707 sequences assigned  
6606 (98.5%) exact matches, in which:  
6517 unique CDR3  
13 unique J



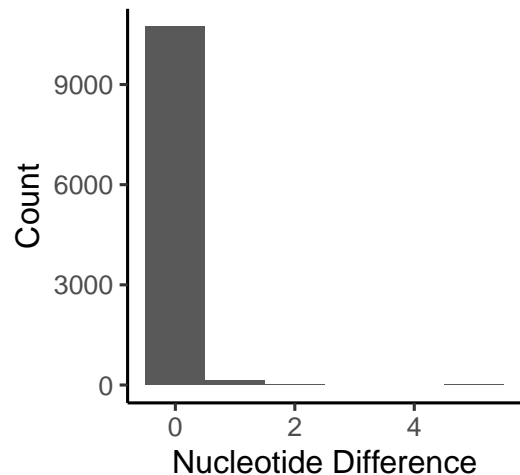
### TRBV5-1\*ap01

12380 sequences assigned  
12235 (98.8%) exact matches, in which:  
11977 unique CDR3  
13 unique J



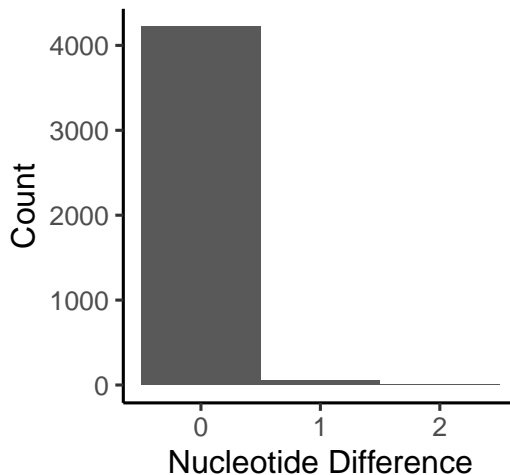
### TRBV3-12\*ap01

10875 sequences assigned  
10731 (98.7%) exact matches, in which:  
10548 unique CDR3  
13 unique J



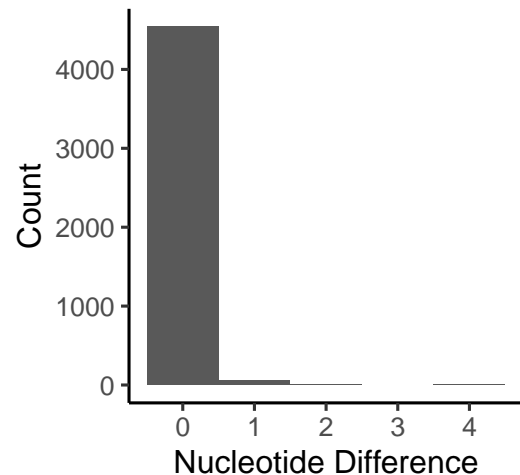
### TRBV4-2\*ap01

4274 sequences assigned  
4220 (98.7%) exact matches, in which:  
4147 unique CDR3  
13 unique J



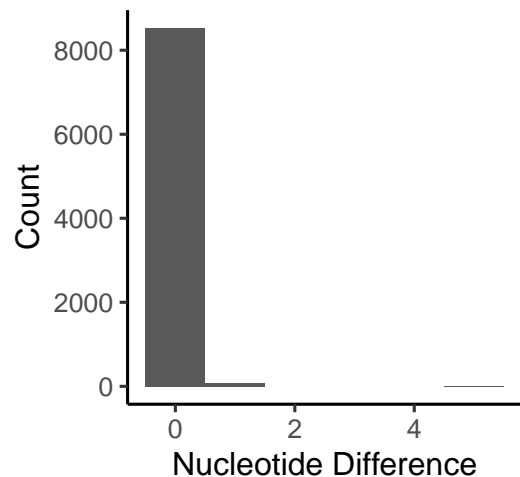
### TRBV25-1\*ap01

4608 sequences assigned  
4541 (98.5%) exact matches, in which:  
4482 unique CDR3  
13 unique J



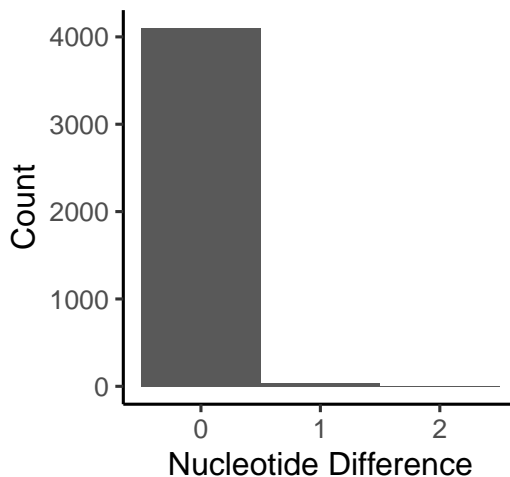
### TRBV4-1\*ap01

8607 sequences assigned  
8528 (99.1%) exact matches, in which:  
8377 unique CDR3  
13 unique J



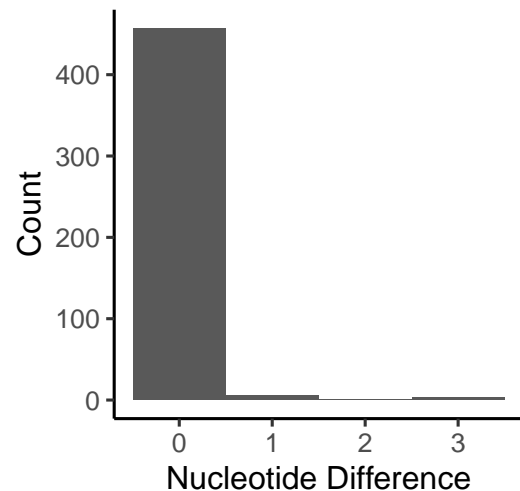
### TRBV4-3\*ap01

4140 sequences assigned  
4101 (99.1%) exact matches, in which:  
4015 unique CDR3  
13 unique J



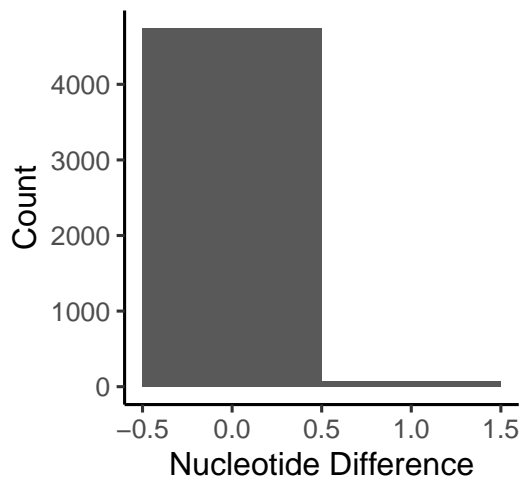
### TRBV5-3\*ap01

467 sequences assigned  
457 (97.9%) exact matches, in which:  
451 unique CDR3  
13 unique J



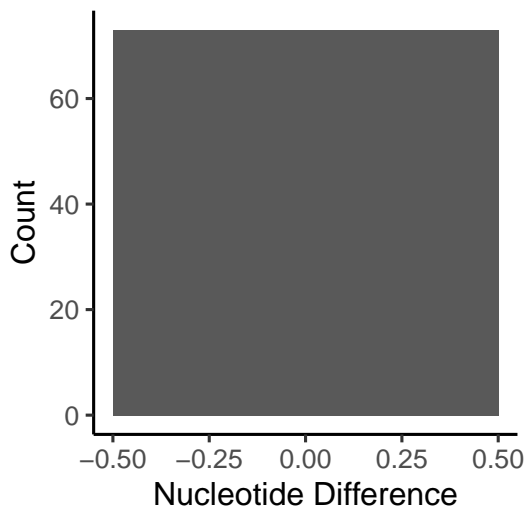
### TRBV5-4\*ap01

4814 sequences assigned  
4740 (98.5%) exact matches, in which:  
4643 unique CDR3  
13 unique J



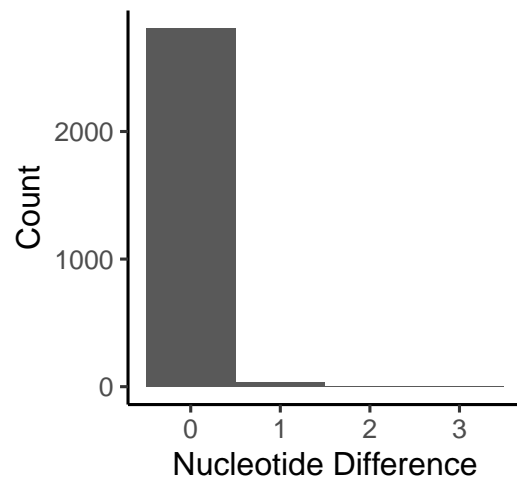
### TRBV5-7\*ap01

73 sequences assigned  
73 (100%) exact matches, in which:  
73 unique CDR3  
13 unique J



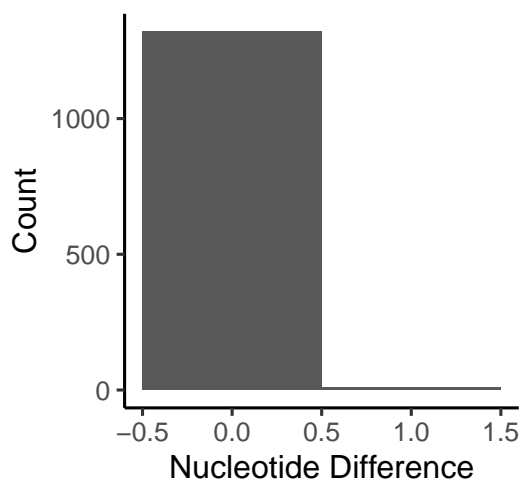
### TRBV6-4\*ap01

2848 sequences assigned  
2808 (98.6%) exact matches, in which:  
2766 unique CDR3  
13 unique J



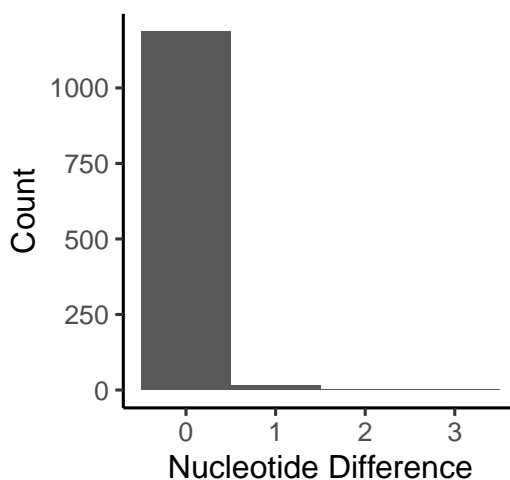
### TRBV5-5\*ap01

1329 sequences assigned  
1320 (99.3%) exact matches, in which:  
1307 unique CDR3  
13 unique J



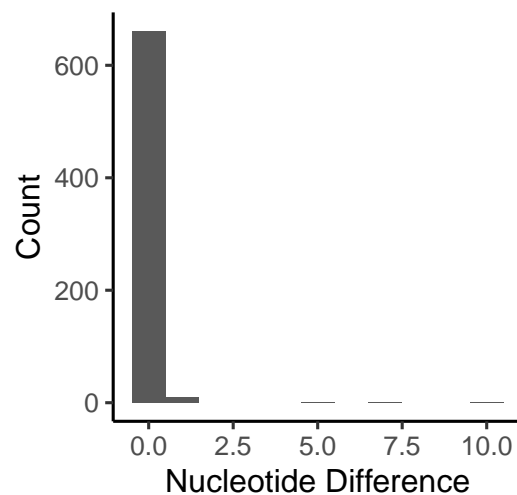
### TRBV5-8\*ap01

1204 sequences assigned  
1186 (98.5%) exact matches, in which:  
1176 unique CDR3  
13 unique J



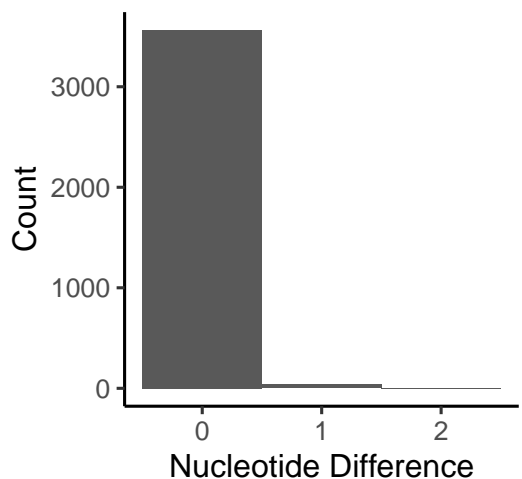
### TRBV6-7\*ap01

674 sequences assigned  
661 (98.1%) exact matches, in which:  
648 unique CDR3  
13 unique J



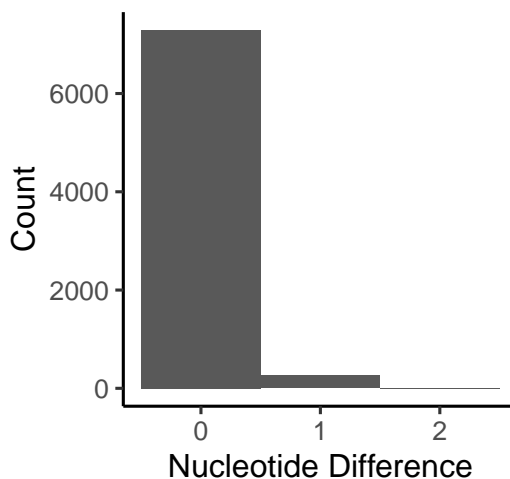
### TRBV5-6\*ap01

3603 sequences assigned  
3564 (98.9%) exact matches, in which:  
3477 unique CDR3  
13 unique J



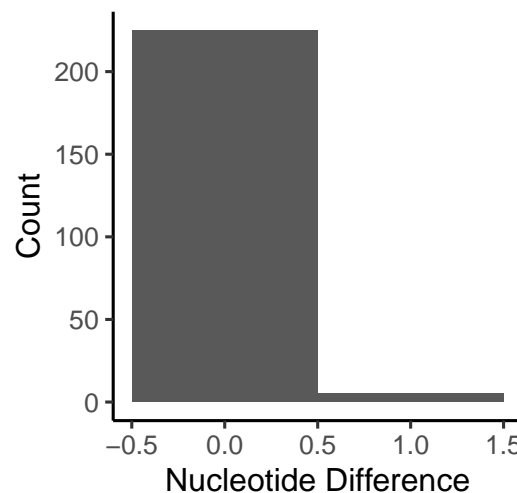
### TRBV6-1\*ap01

7554 sequences assigned  
7292 (96.5%) exact matches, in which:  
7160 unique CDR3  
13 unique J



### TRBV6-8\*ap01

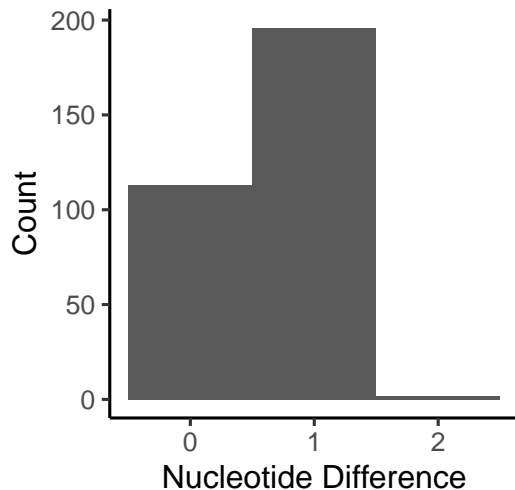
230 sequences assigned  
225 (97.8%) exact matches, in which:  
222 unique CDR3  
13 unique J





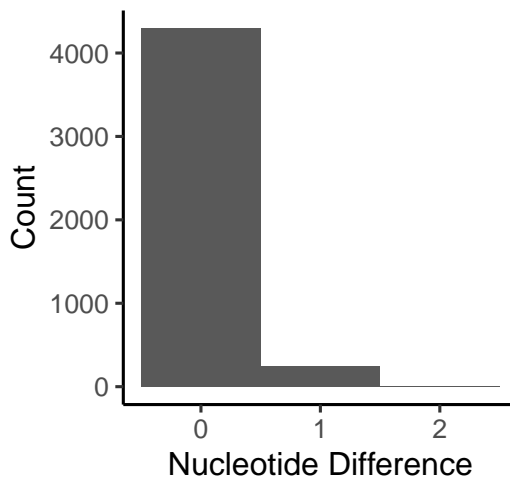
### TRBV6-9\*ap01

311 sequences assigned  
113 (36.3%) exact matches, in which:  
112 unique CDR3  
12 unique J



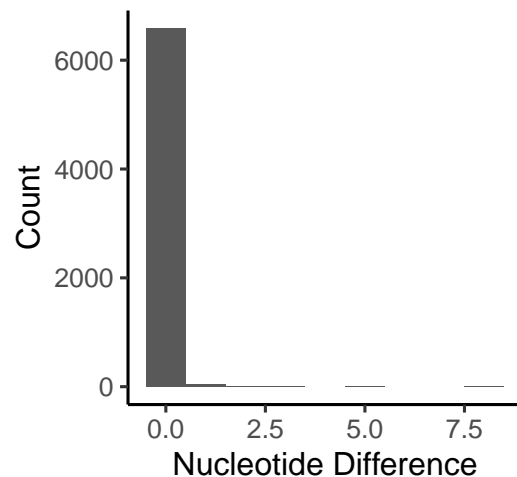
### TRBV6-56\*ap02

4545 sequences assigned  
4295 (94.5%) exact matches, in which:  
4202 unique CDR3  
13 unique J



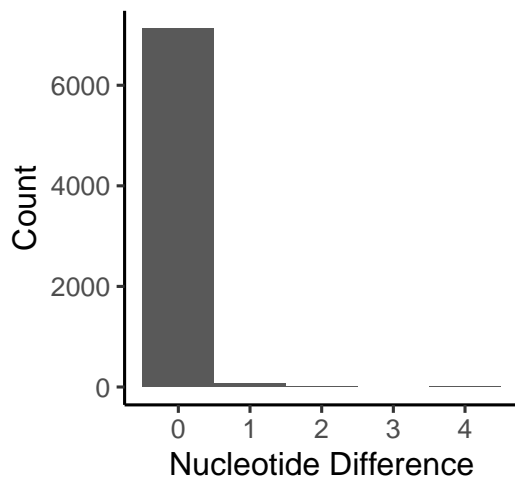
### TRBV7-3\*ap01

6636 sequences assigned  
6584 (99.2%) exact matches, in which:  
6509 unique CDR3  
13 unique J



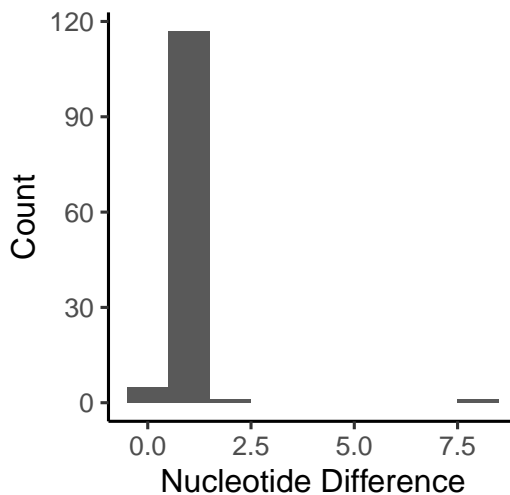
### TRBV6-23\*ap01

7193 sequences assigned  
7124 (99%) exact matches, in which:  
6991 unique CDR3  
13 unique J



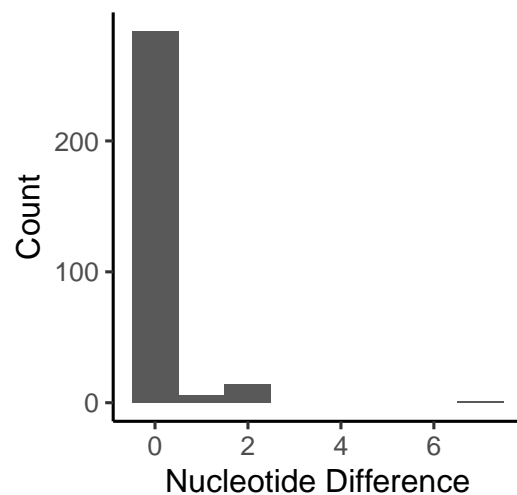
### TRBV7-1\*ap01\_T296C

124 sequences assigned  
5 (4%) exact matches, in which:  
5 unique CDR3  
3 unique J



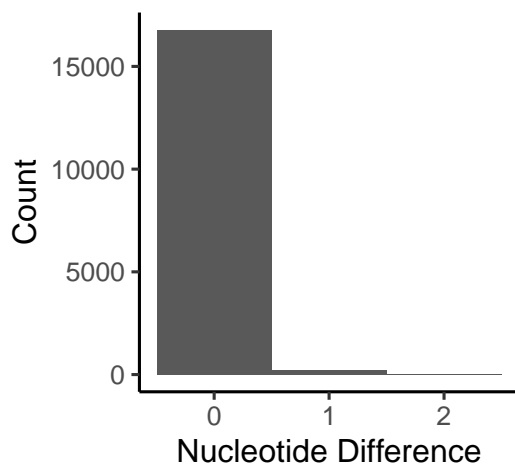
### TRBV7-4\*ap01

305 sequences assigned  
284 (93.1%) exact matches, in which:  
282 unique CDR3  
13 unique J



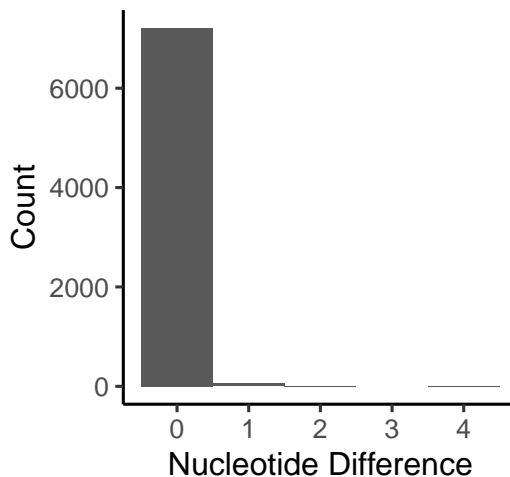
### TRBV6-56\*ap01

16987 sequences assigned  
16783 (98.8%) exact matches, in which:  
16413 unique CDR3  
13 unique J



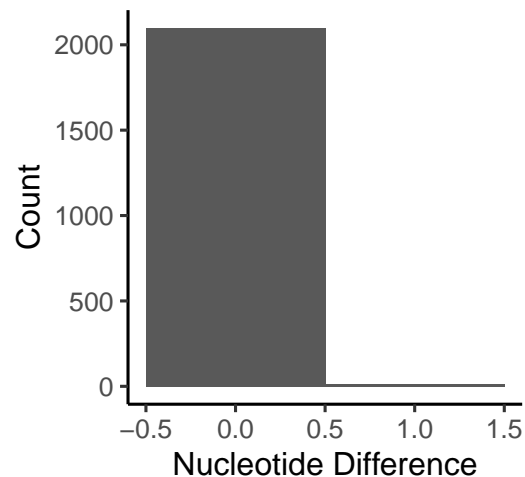
### TRBV7-2\*ap01

7272 sequences assigned  
7211 (99.2%) exact matches, in which:  
7094 unique CDR3  
13 unique J



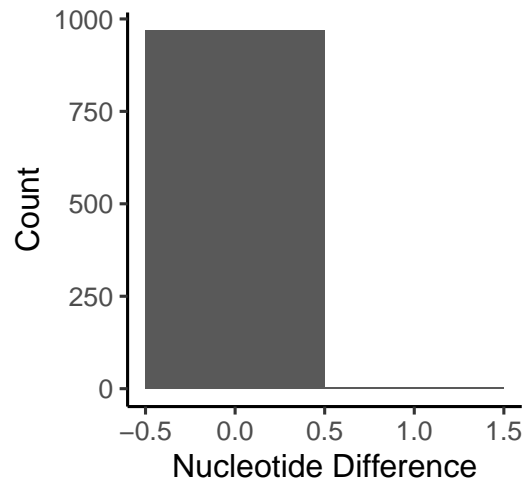
### TRBV7-6\*ap01

2113 sequences assigned  
2098 (99.3%) exact matches, in which:  
2065 unique CDR3  
13 unique J



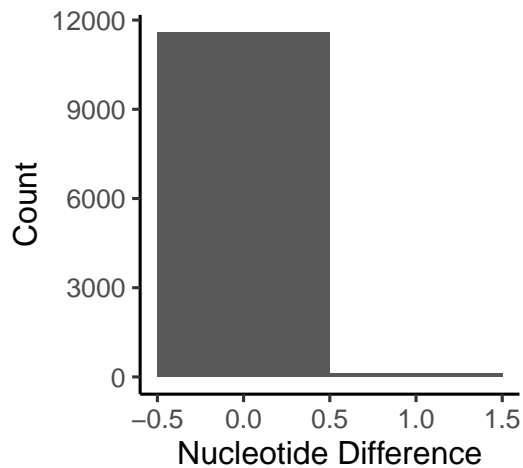
### TRBV7-7\*ap01

974 sequences assigned  
969 (99.5%) exact matches, in which:  
953 unique CDR3  
13 unique J



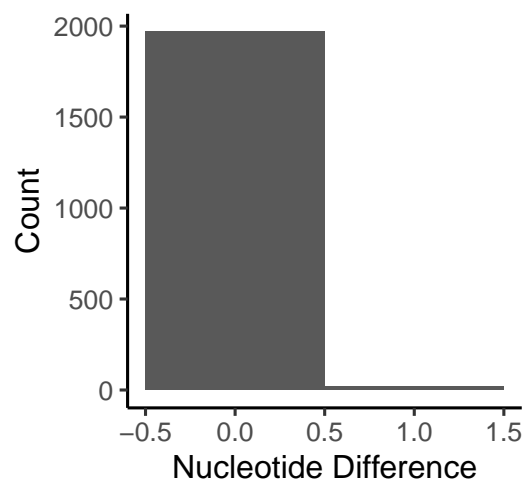
### TRBV7-9\*ap01

11700 sequences assigned  
11594 (99.1%) exact matches, in which:  
11406 unique CDR3  
13 unique J



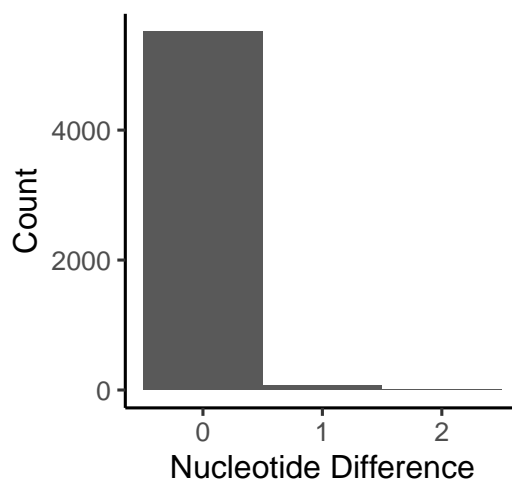
### TRBV7-8\*ap01

1991 sequences assigned  
1969 (98.9%) exact matches, in which:  
1941 unique CDR3  
13 unique J



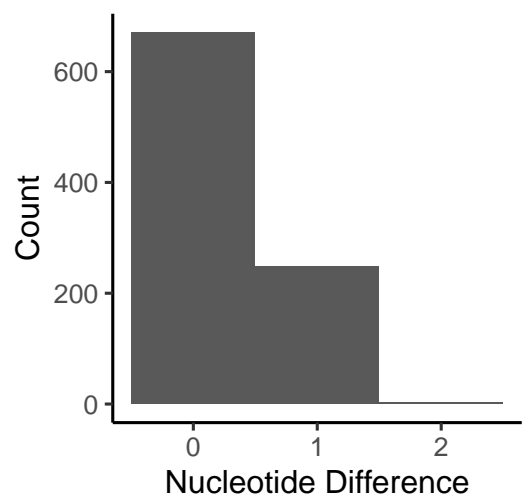
### TRBV29-1\*ap01

5581 sequences assigned  
5514 (98.8%) exact matches, in which:  
5407 unique CDR3  
13 unique J



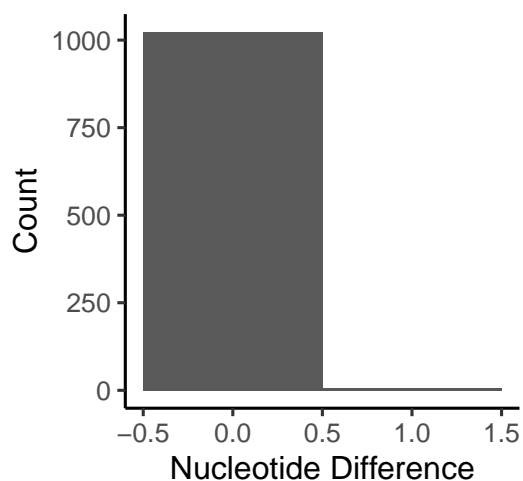
### TRBV7-8\*ap03

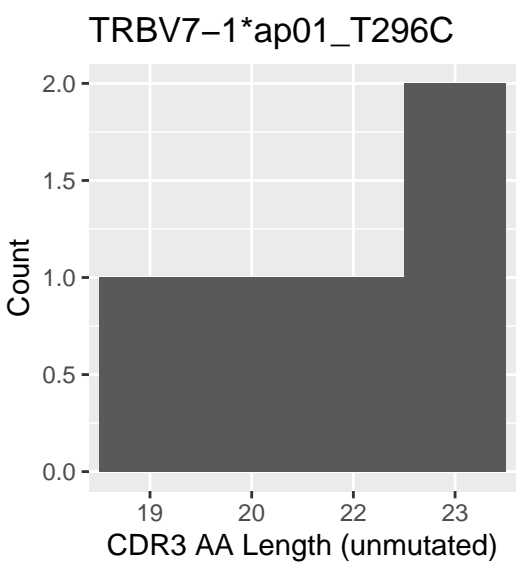
922 sequences assigned  
671 (72.8%) exact matches, in which:  
660 unique CDR3  
13 unique J



### TRBV29-1\*ap02

1030 sequences assigned  
1023 (99.3%) exact matches, in which:  
1006 unique CDR3  
13 unique J







[illegible]