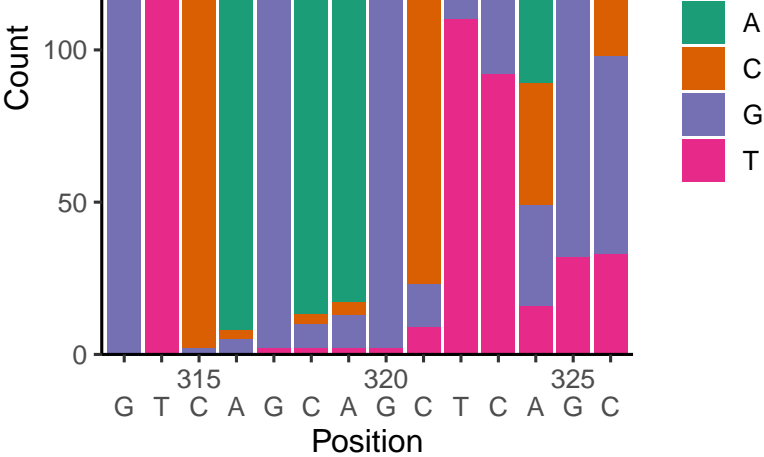
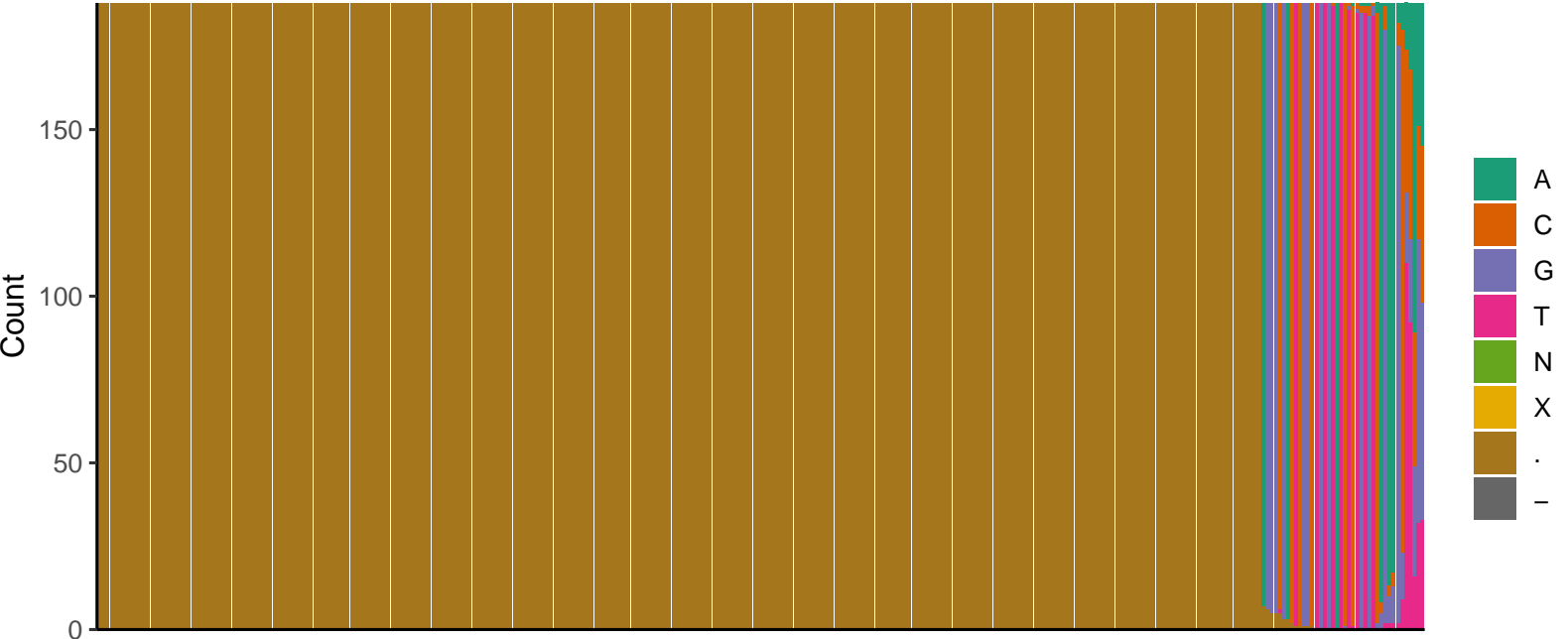


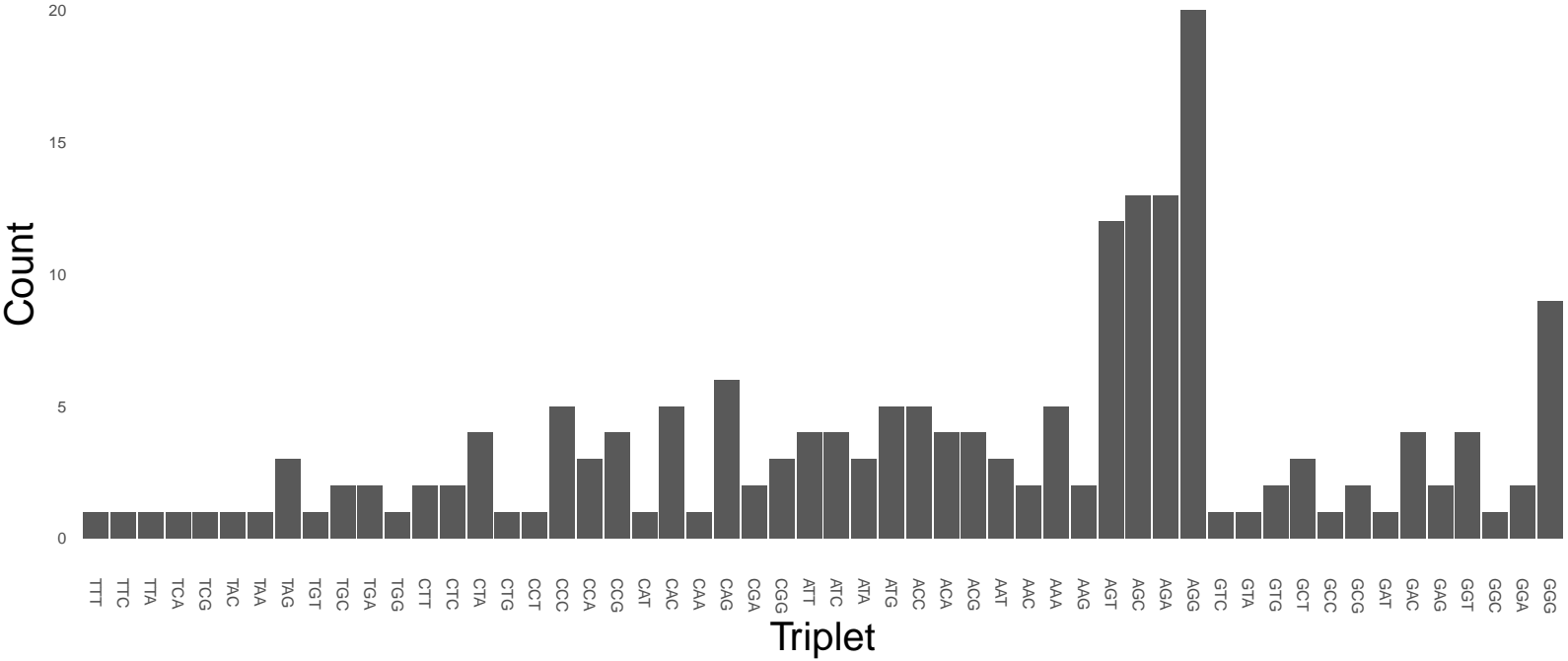
Gene TRBV7-1\*ap01\_T296C\_C314T



Gene TRBV7-1\*ap01\_T296C\_C314T

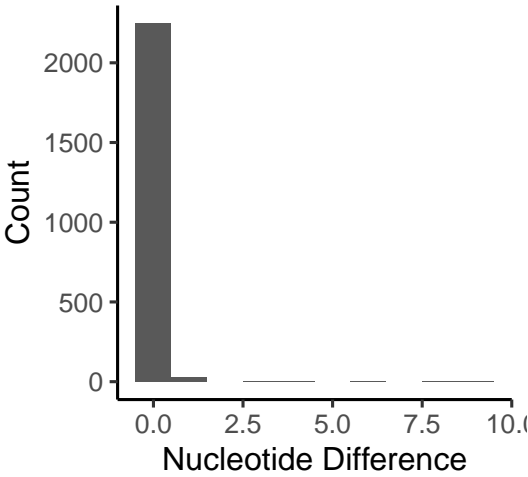


TRBV7-1\*ap01\_T296C\_C314T- Final 3 nucleotides as a triplet



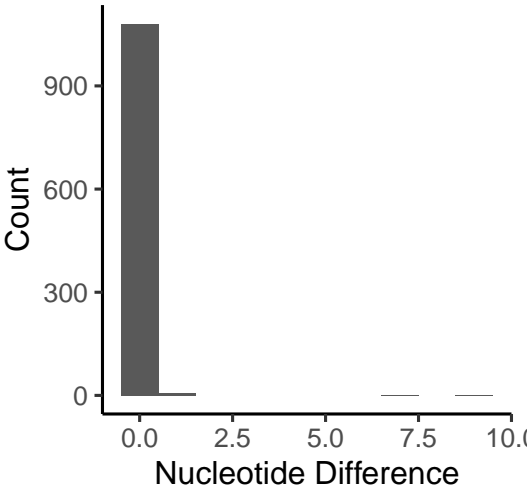
TRBV10-1\*ap01

2278 sequences assigned  
2247 (98.6%) exact matches, in which:  
2216 unique CDR3  
13 unique J



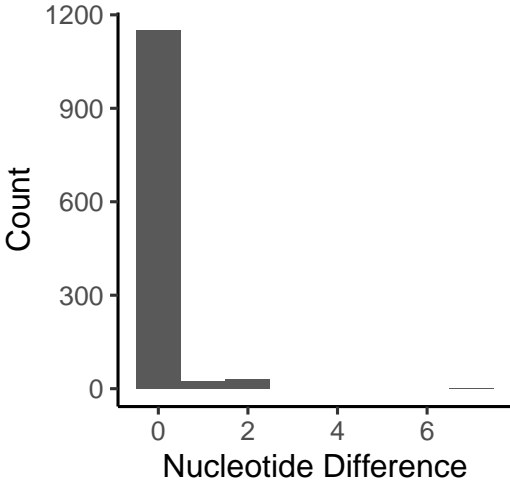
TRBV10-2\*ap01

1090 sequences assigned  
1081 (99.2%) exact matches, in which:  
1069 unique CDR3  
13 unique J



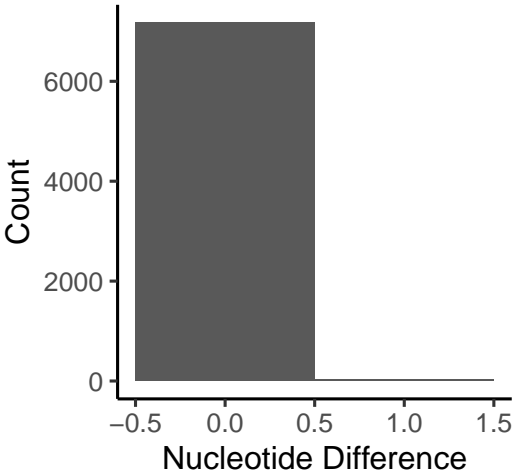
TRBV13\*ap01

1206 sequences assigned  
1150 (95.4%) exact matches, in which:  
1131 unique CDR3  
13 unique J



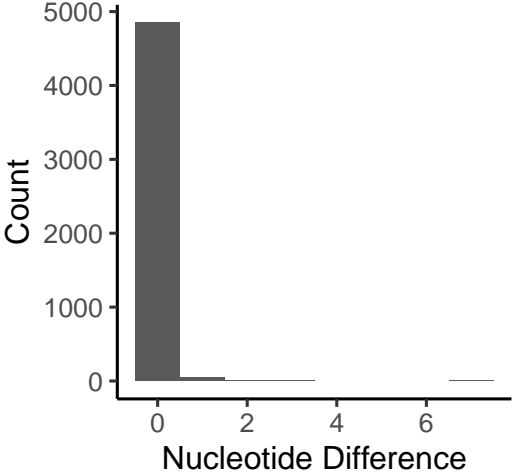
TRBV20-1\*ap01

7210 sequences assigned  
7173 (99.5%) exact matches, in which:  
7104 unique CDR3  
13 unique J



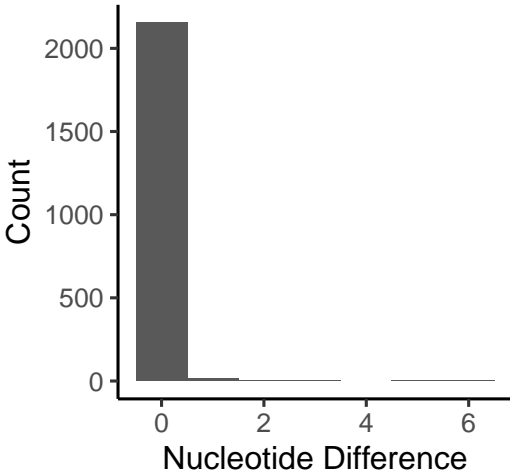
TRBV10-3\*ap01

4904 sequences assigned  
4849 (98.9%) exact matches, in which:  
4801 unique CDR3  
13 unique J



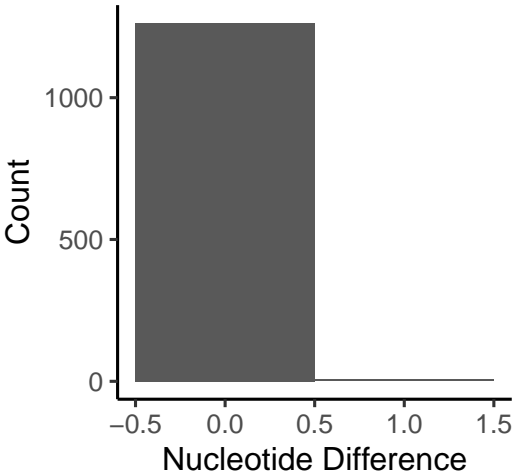
TRBV14\*ap01

2174 sequences assigned  
2154 (99.1%) exact matches, in which:  
2138 unique CDR3  
13 unique J



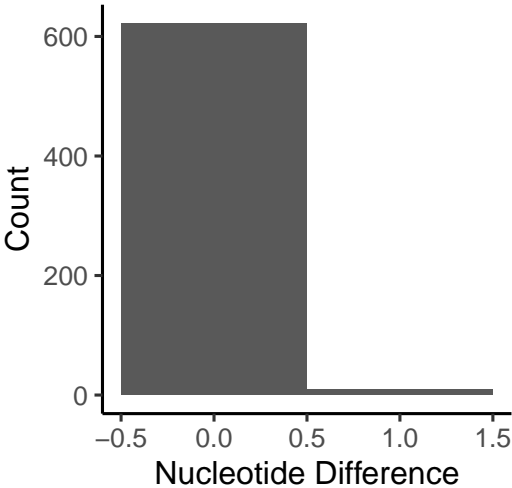
TRBV20-1\*ap02

1270 sequences assigned  
1263 (99.4%) exact matches, in which:  
1253 unique CDR3  
13 unique J



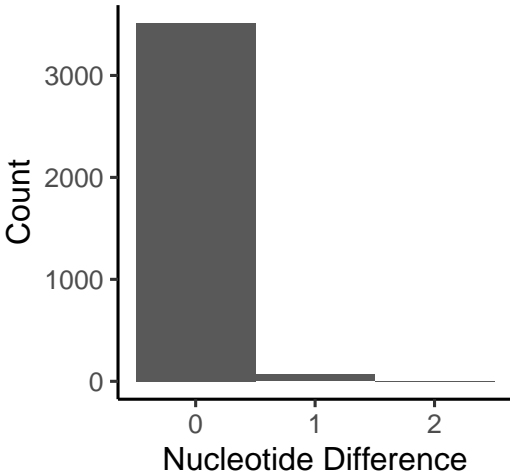
TRBV1\*ap01

631 sequences assigned  
622 (98.6%) exact matches, in which:  
610 unique CDR3  
13 unique J



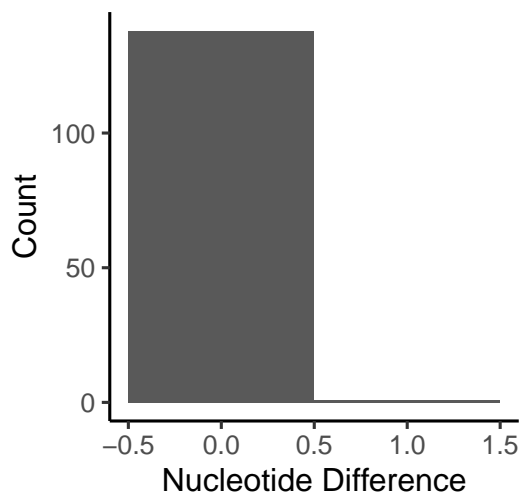
TRBV15\*ap02

3580 sequences assigned  
3514 (98.2%) exact matches, in which:  
3478 unique CDR3  
13 unique J



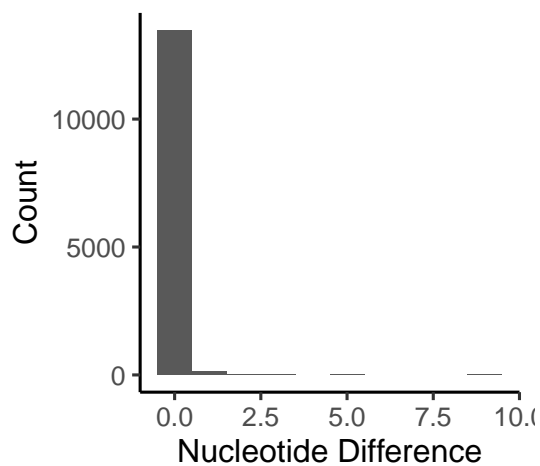
### TRBV16\*ap01

139 sequences assigned  
138 (99.3%) exact matches, in which:  
136 unique CDR3  
13 unique J



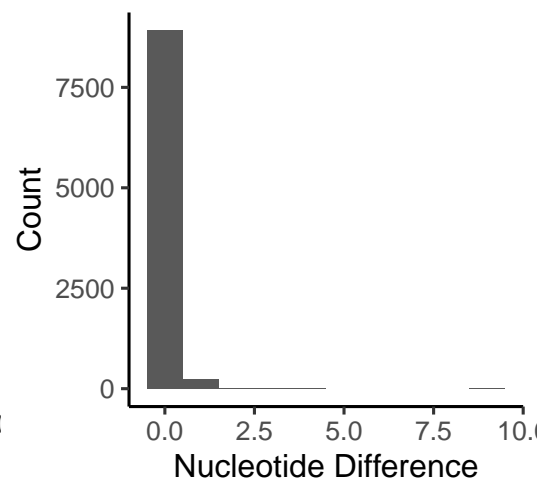
### TRBV2\*ap01

13616 sequences assigned  
13476 (99%) exact matches, in which:  
13339 unique CDR3  
13 unique J



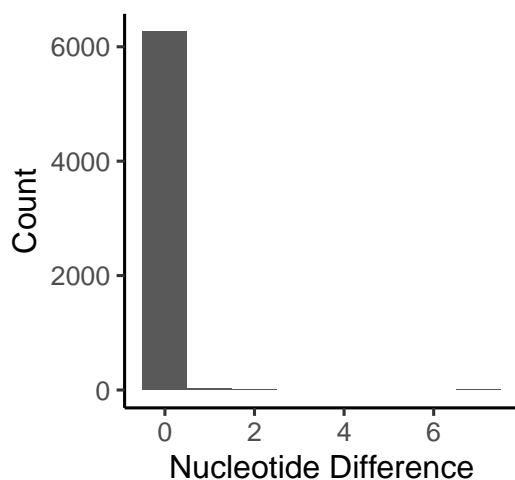
### TRBV30\*ap01

9169 sequences assigned  
8918 (97.3%) exact matches, in which:  
8704 unique CDR3  
13 unique J



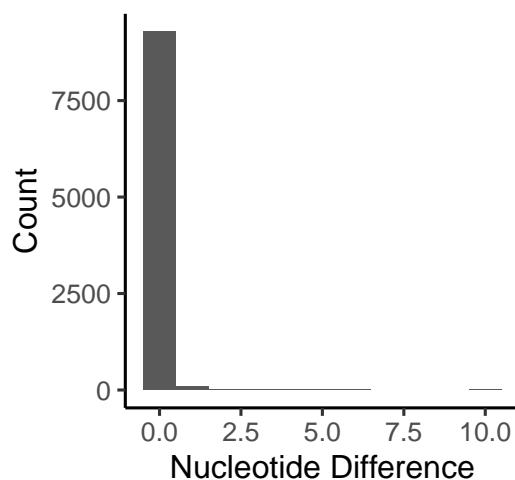
### TRBV18\*ap01

6290 sequences assigned  
6263 (99.6%) exact matches, in which:  
6245 unique CDR3  
13 unique J



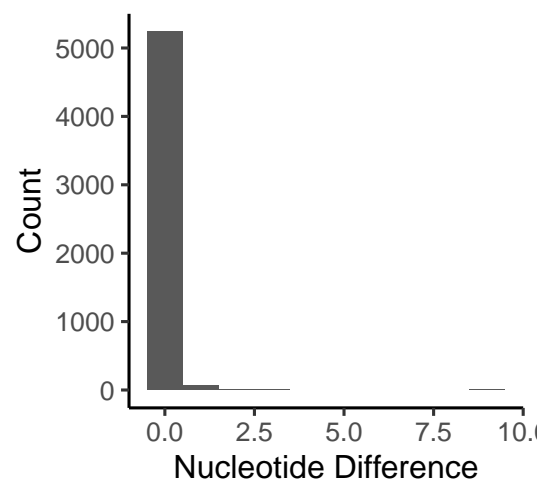
### TRBV27\*ap01

9381 sequences assigned  
9284 (99%) exact matches, in which:  
9204 unique CDR3  
13 unique J



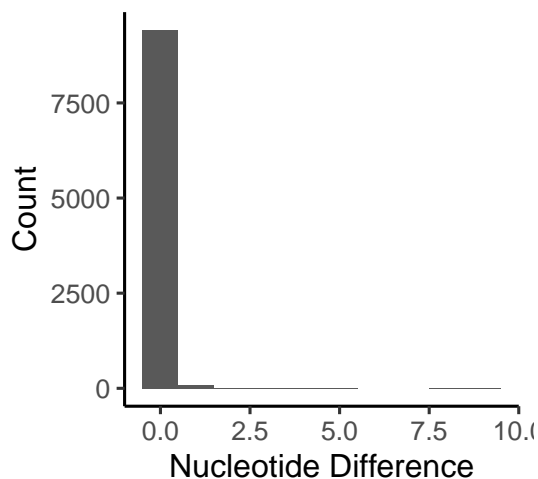
### TRBV9\*ap01

5317 sequences assigned  
5238 (98.5%) exact matches, in which:  
5201 unique CDR3  
13 unique J



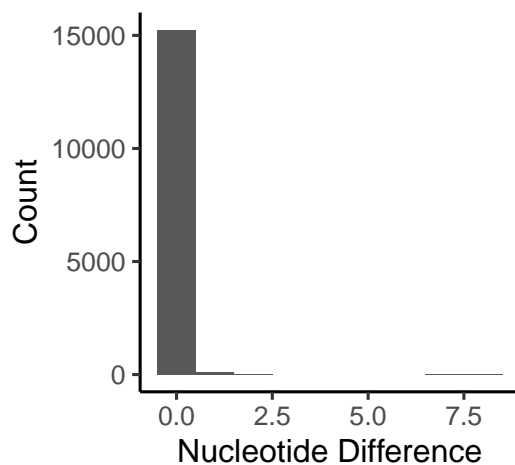
### TRBV19\*ap01

9507 sequences assigned  
9415 (99%) exact matches, in which:  
9373 unique CDR3  
13 unique J



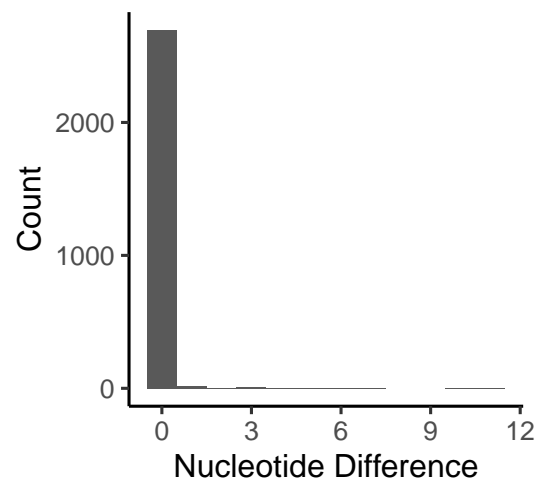
### TRBV28\*ap01

15388 sequences assigned  
15248 (99.1%) exact matches, in which:  
15147 unique CDR3  
13 unique J



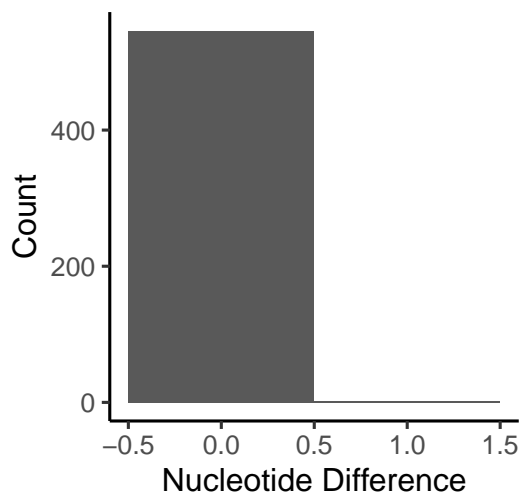
### TRBV21-1\*ap01

2735 sequences assigned  
2695 (98.5%) exact matches, in which:  
2688 unique CDR3  
13 unique J



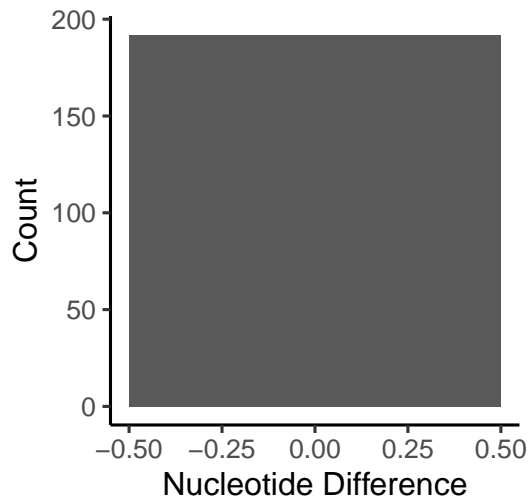
### TRBV11-1\*ap01

548 sequences assigned  
546 (99.6%) exact matches, in which:  
543 unique CDR3  
13 unique J



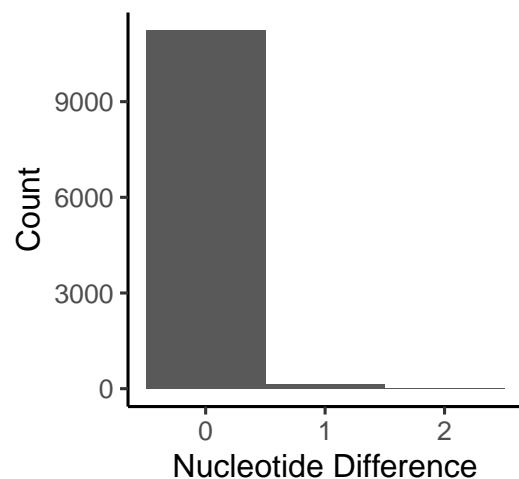
### TRBV12-1\*ap01

192 sequences assigned  
192 (100%) exact matches, in which:  
190 unique CDR3  
13 unique J



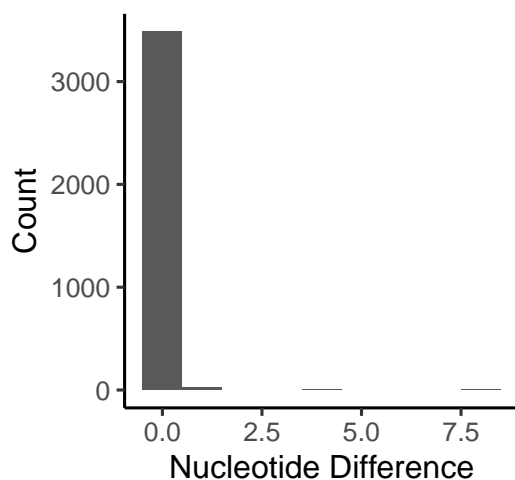
### TRBV12-34\*ap01

11369 sequences assigned  
11234 (98.8%) exact matches, in which:  
11136 unique CDR3  
13 unique J



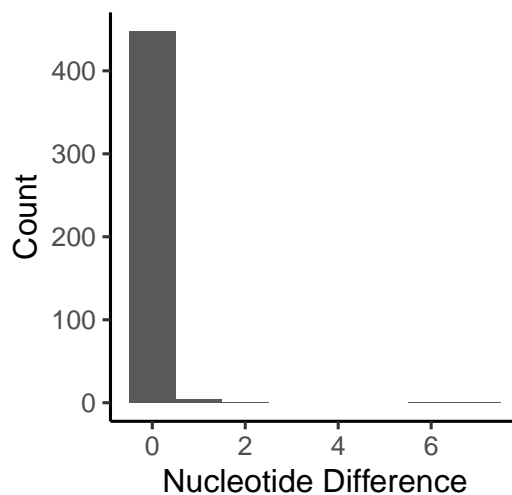
### TRBV11-2\*ap01

3514 sequences assigned  
3485 (99.2%) exact matches, in which:  
3472 unique CDR3  
13 unique J



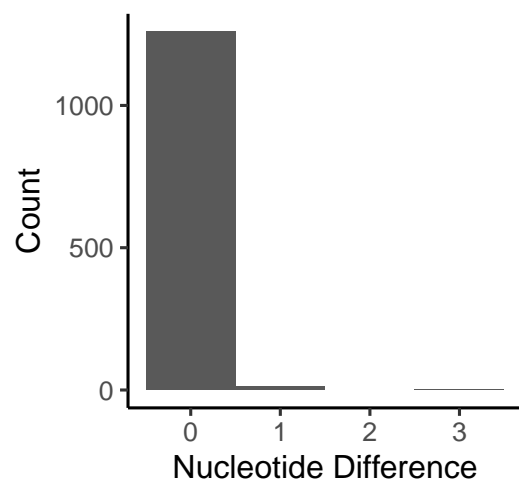
### TRBV12-2\*ap01

455 sequences assigned  
448 (98.5%) exact matches, in which:  
445 unique CDR3  
13 unique J



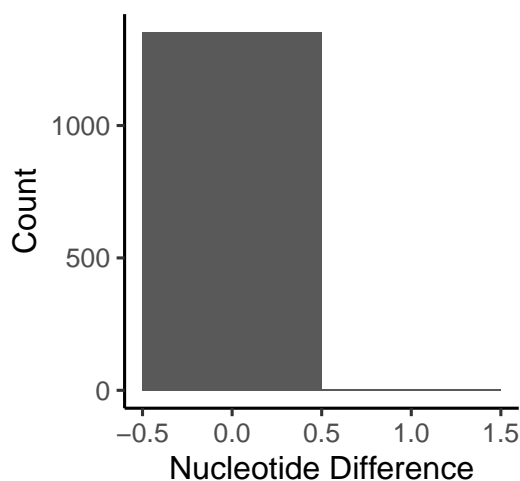
### TRBV23-1\*ap01

1274 sequences assigned  
1259 (98.8%) exact matches, in which:  
1252 unique CDR3  
13 unique J



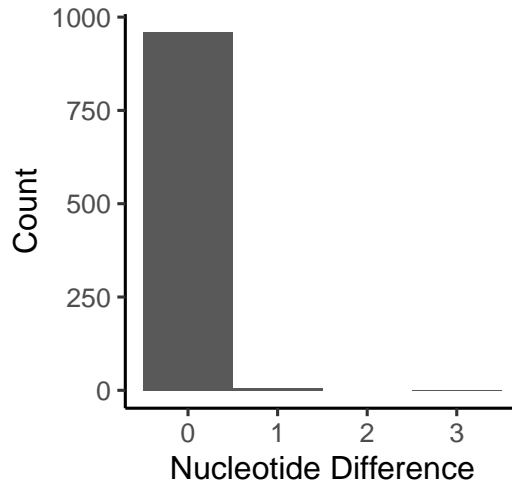
### TRBV11-3\*ap01

1358 sequences assigned  
1353 (99.6%) exact matches, in which:  
1350 unique CDR3  
13 unique J



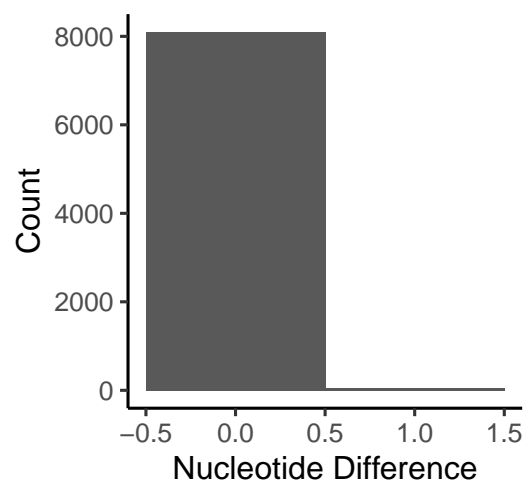
### TRBV12-5\*ap01

968 sequences assigned  
960 (99.2%) exact matches, in which:  
950 unique CDR3  
13 unique J



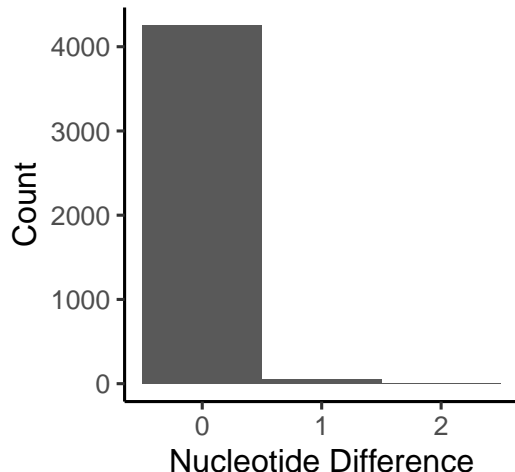
### TRBV3-12\*ap01

8150 sequences assigned  
8097 (99.3%) exact matches, in which:  
8054 unique CDR3  
13 unique J



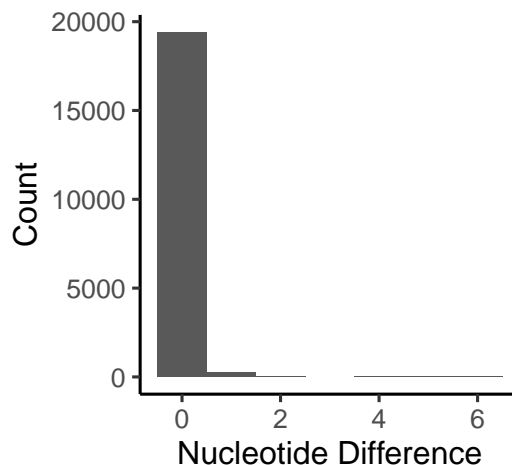
### TRBV4-1\*ap01

4306 sequences assigned  
4253 (98.8%) exact matches, in which:  
4207 unique CDR3  
13 unique J



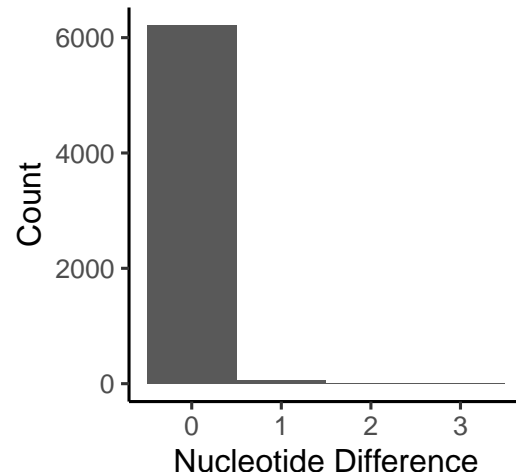
### TRBV5-1\*ap01

19684 sequences assigned  
19410 (98.6%) exact matches, in which:  
19194 unique CDR3  
13 unique J



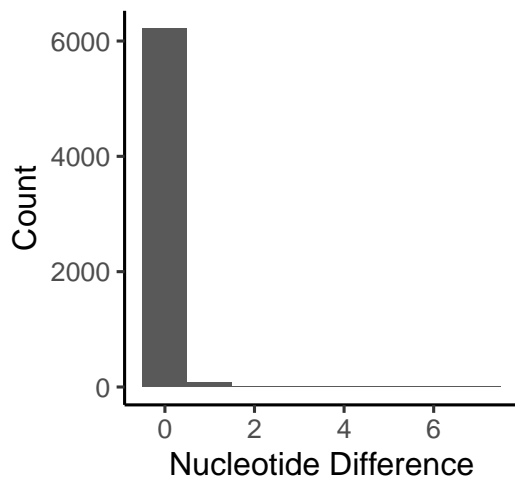
### TRBV5-4\*ap01

6282 sequences assigned  
6212 (98.9%) exact matches, in which:  
6160 unique CDR3  
13 unique J



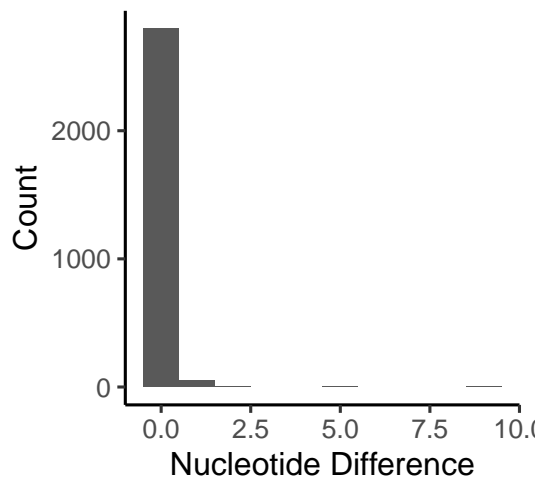
### TRBV24-1\*ap01

6300 sequences assigned  
6213 (98.6%) exact matches, in which:  
6107 unique CDR3  
13 unique J



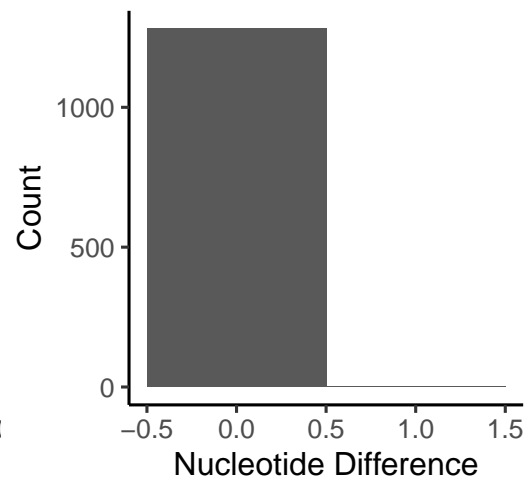
### TRBV25-1\*ap01

2851 sequences assigned  
2796 (98.1%) exact matches, in which:  
2732 unique CDR3  
13 unique J



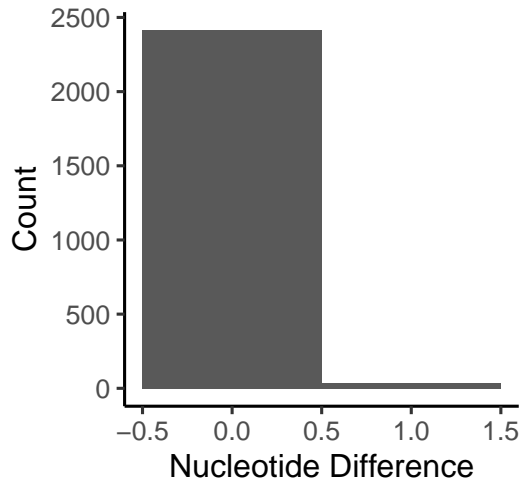
### TRBV5-5\*ap01

1284 sequences assigned  
1281 (99.8%) exact matches, in which:  
1281 unique CDR3  
13 unique J



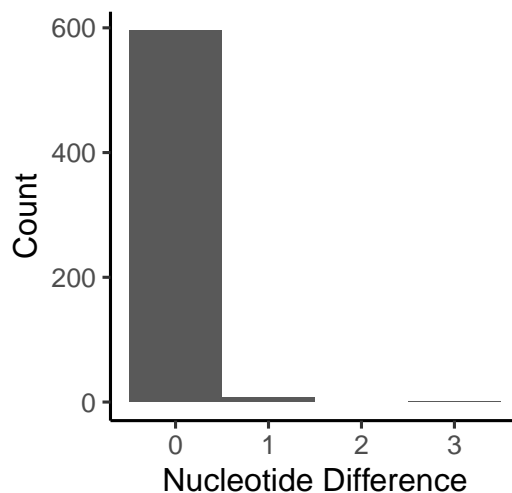
### TRBV4-2\*ap01

2449 sequences assigned  
2415 (98.6%) exact matches, in which:  
2382 unique CDR3  
13 unique J



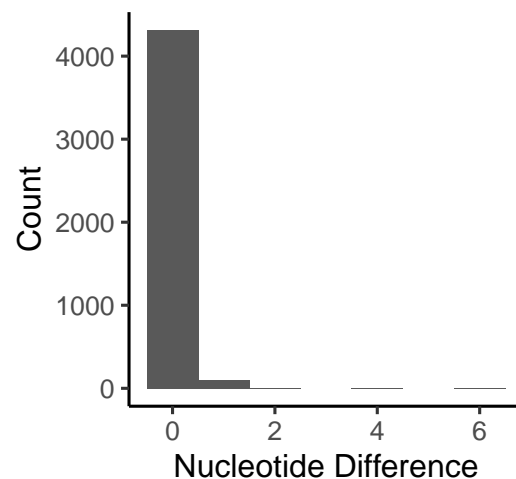
### TRBV5-3\*ap01

604 sequences assigned  
596 (98.7%) exact matches, in which:  
584 unique CDR3  
13 unique J



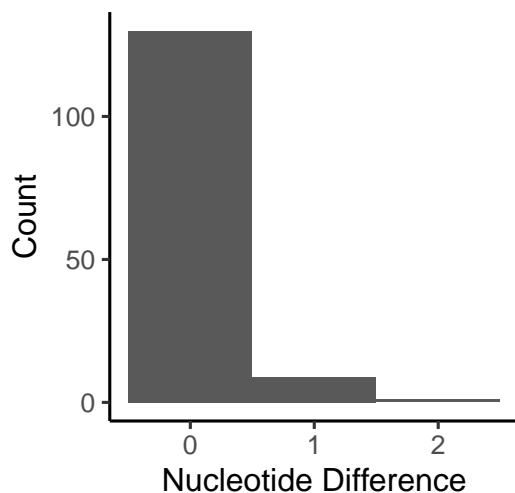
### TRBV5-6\*ap01

4420 sequences assigned  
4314 (97.6%) exact matches, in which:  
4240 unique CDR3  
13 unique J



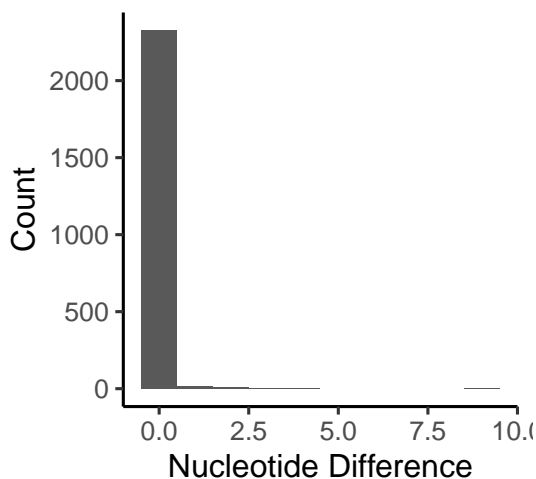
### TRBV5-7\*ap01

140 sequences assigned  
130 (92.9%) exact matches, in which:  
123 unique CDR3  
11 unique J



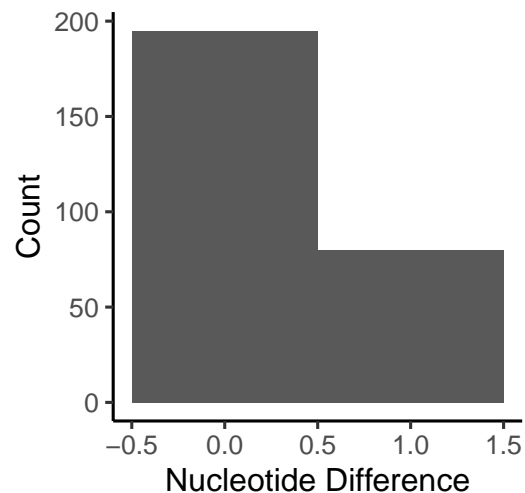
### TRBV6-4\*ap01

2356 sequences assigned  
2326 (98.7%) exact matches, in which:  
2308 unique CDR3  
13 unique J



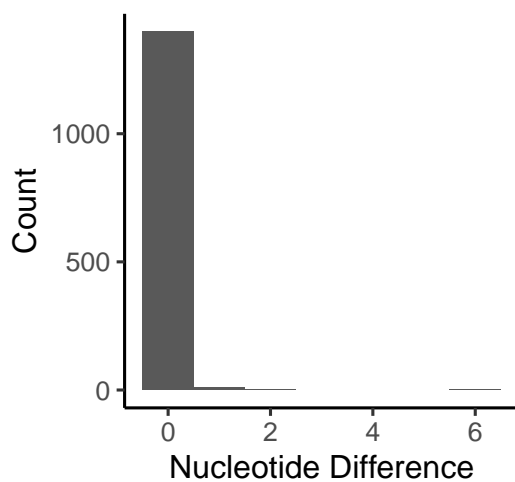
### TRBV6-9\*ap01

275 sequences assigned  
195 (70.9%) exact matches, in which:  
190 unique CDR3  
13 unique J



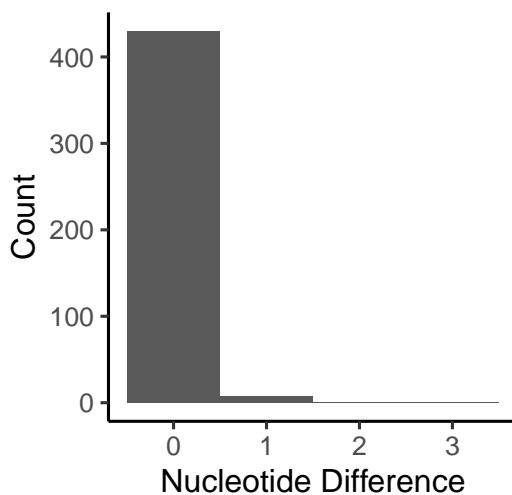
### TRBV5-8\*ap01

1410 sequences assigned  
1398 (99.1%) exact matches, in which:  
1389 unique CDR3  
13 unique J



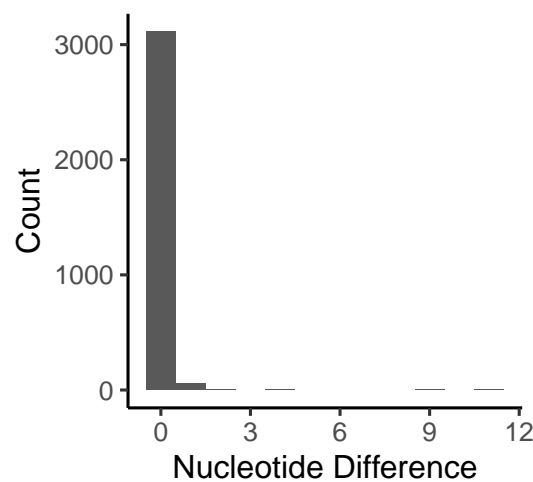
### TRBV6-7\*ap01

440 sequences assigned  
430 (97.7%) exact matches, in which:  
420 unique CDR3  
13 unique J



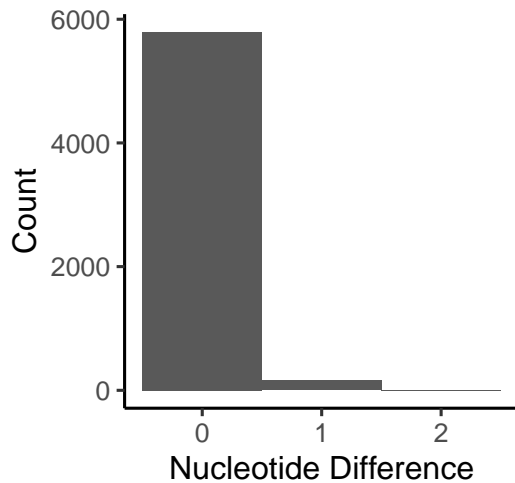
### TRBV6-23\*ap01

3177 sequences assigned  
3112 (98%) exact matches, in which:  
3041 unique CDR3  
13 unique J



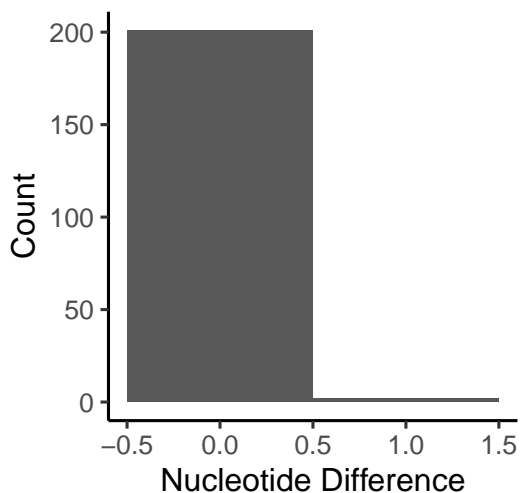
### TRBV6-1\*ap01

5954 sequences assigned  
5793 (97.3%) exact matches, in which:  
5696 unique CDR3  
13 unique J



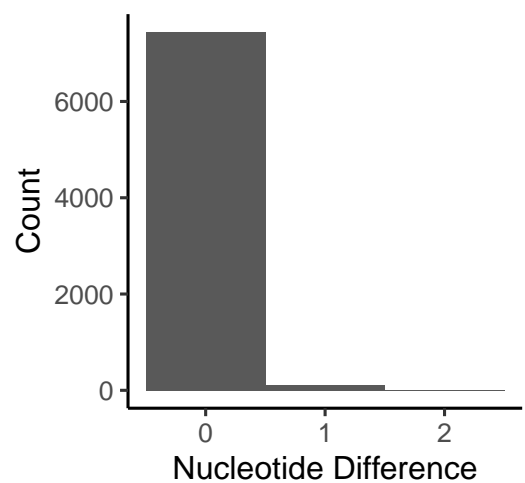
### TRBV6-8\*ap01

203 sequences assigned  
201 (99%) exact matches, in which:  
196 unique CDR3  
13 unique J



### TRBV6-56\*ap01

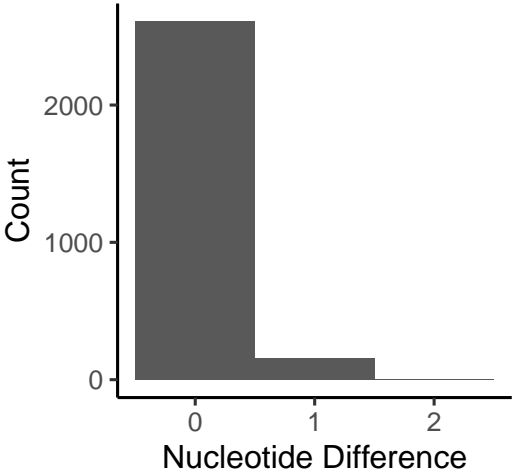
7554 sequences assigned  
7442 (98.5%) exact matches, in which:  
7299 unique CDR3  
14 unique J





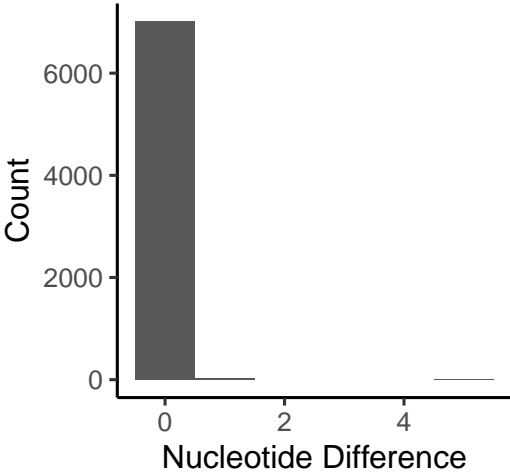
TRBV6-56\*ap02

2767 sequences assigned  
2609 (94.3%) exact matches, in which:  
2572 unique CDR3  
13 unique J



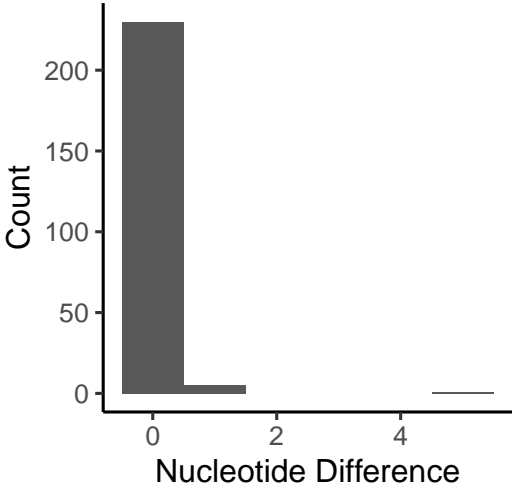
TRBV7-2\*ap01

7052 sequences assigned  
7013 (99.4%) exact matches, in which:  
6966 unique CDR3  
13 unique J



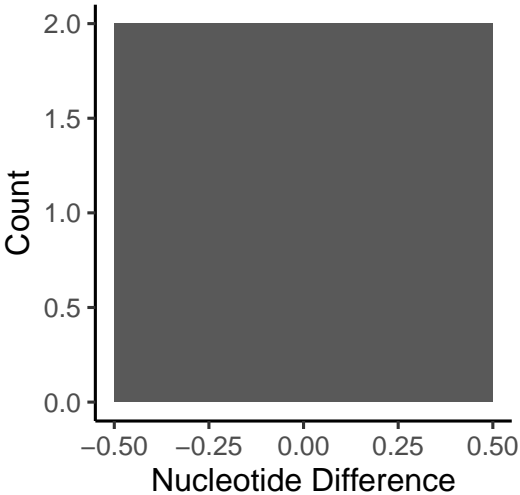
TRBV7-4\*ap01

236 sequences assigned  
230 (97.5%) exact matches, in which:  
228 unique CDR3  
13 unique J



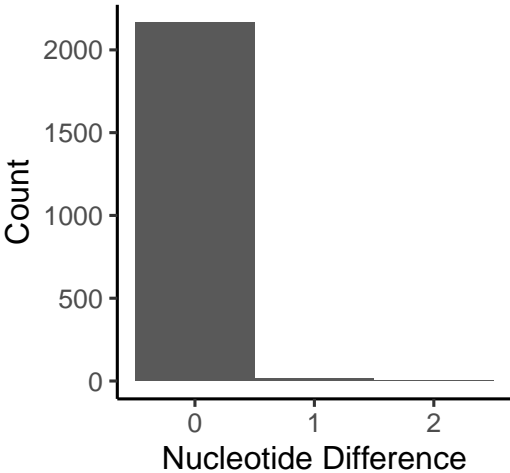
TRBV7-1\*ap01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



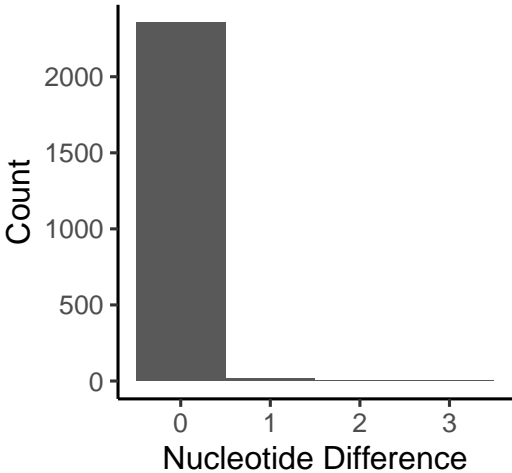
TRBV7-3\*ap01

2184 sequences assigned  
2164 (99.1%) exact matches, in which:  
2156 unique CDR3  
13 unique J



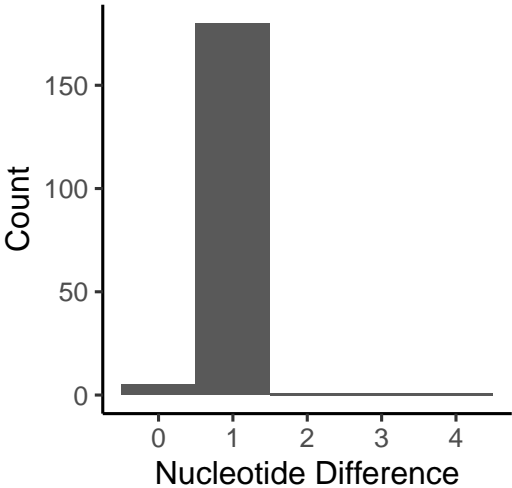
TRBV7-6\*ap01

2373 sequences assigned  
2355 (99.2%) exact matches, in which:  
2334 unique CDR3  
13 unique J



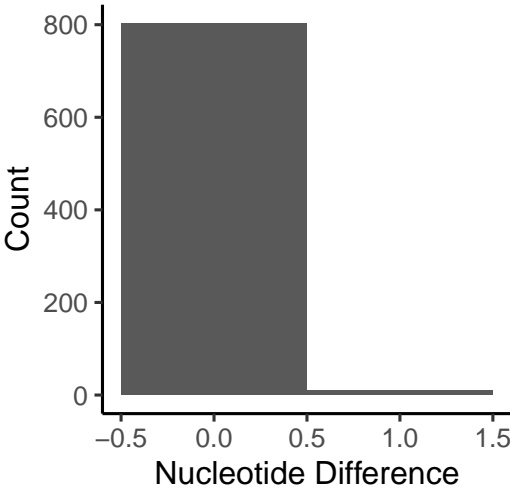
TRBV7-1\*ap01\_T296C\_()

188 sequences assigned  
5 (2.7%) exact matches, in which:  
5 unique CDR3  
4 unique J



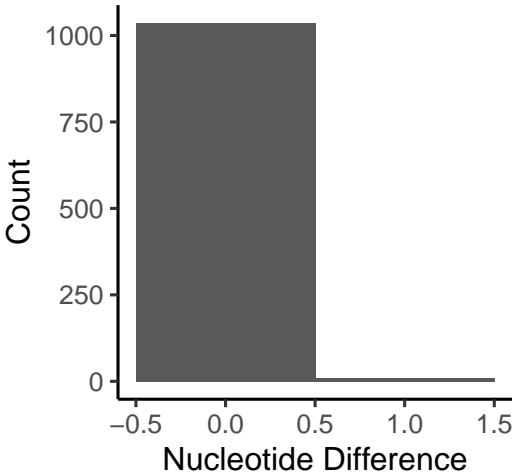
TRBV7-3\*ap03

812 sequences assigned  
803 (98.9%) exact matches, in which:  
801 unique CDR3  
13 unique J



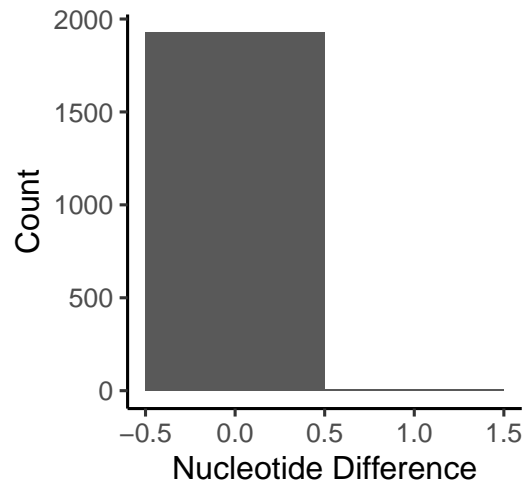
TRBV7-7\*ap01

1046 sequences assigned  
1036 (99%) exact matches, in which:  
1028 unique CDR3  
13 unique J



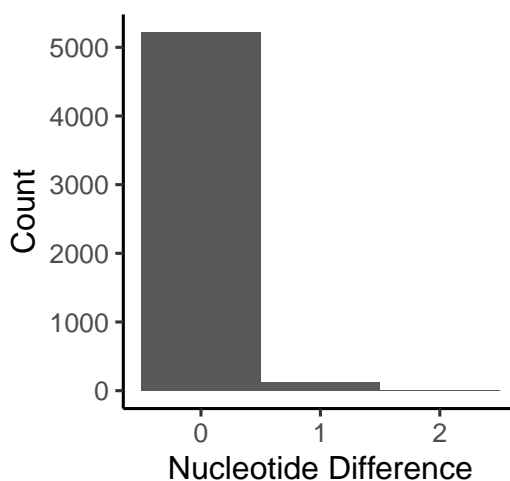
### TRBV7-8\*ap01

1937 sequences assigned  
1928 (99.5%) exact matches, in which:  
1917 unique CDR3  
13 unique J



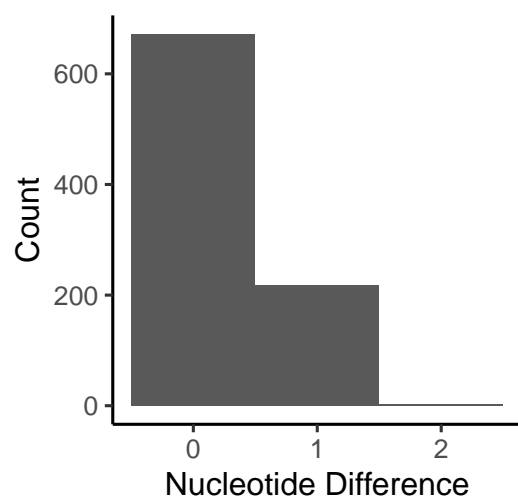
### TRBV29-1\*ap01

5348 sequences assigned  
5217 (97.6%) exact matches, in which:  
5086 unique CDR3  
13 unique J



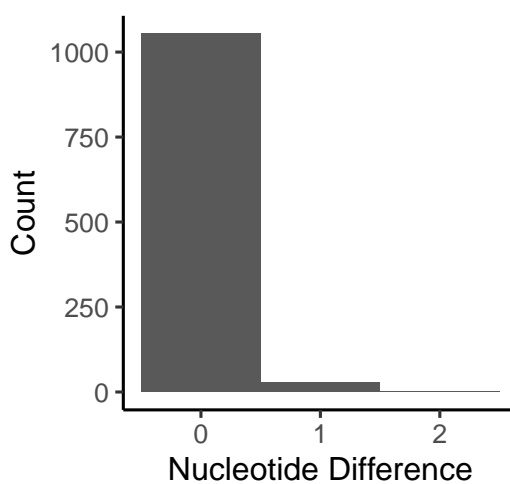
### TRBV7-8\*ap03

893 sequences assigned  
672 (75.3%) exact matches, in which:  
667 unique CDR3  
13 unique J



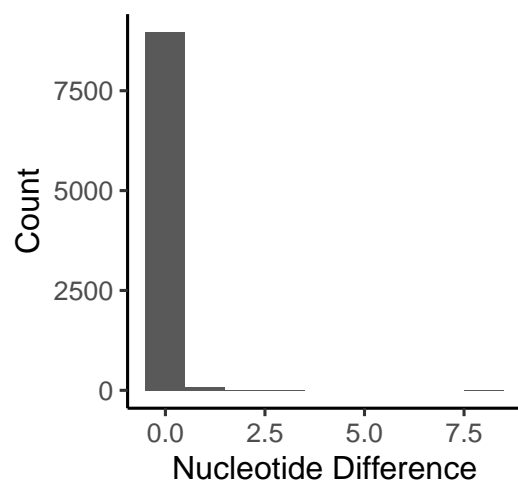
### TRBV29-1\*ap02

1082 sequences assigned  
1054 (97.4%) exact matches, in which:  
1027 unique CDR3  
13 unique J



### TRBV7-9\*ap01

9060 sequences assigned  
8969 (99%) exact matches, in which:  
8899 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C\_C314T

