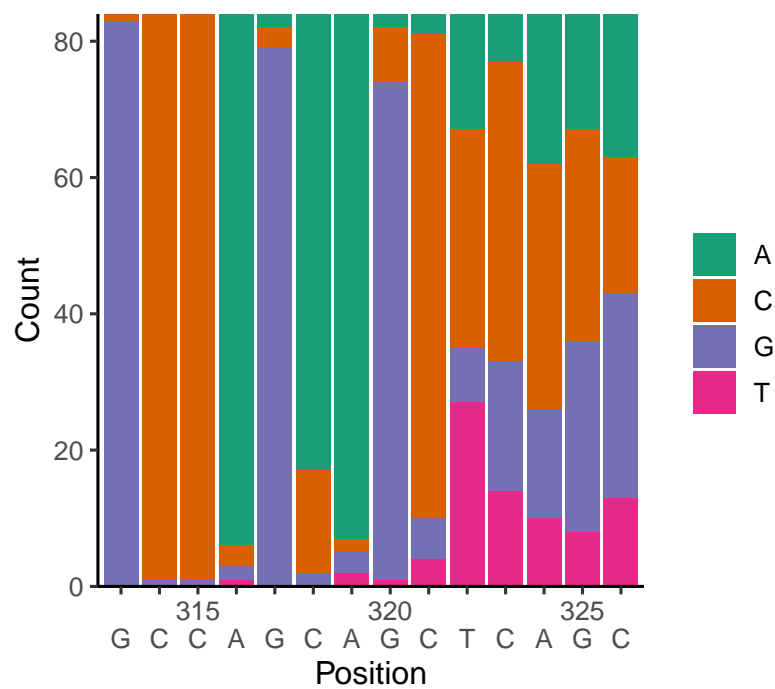
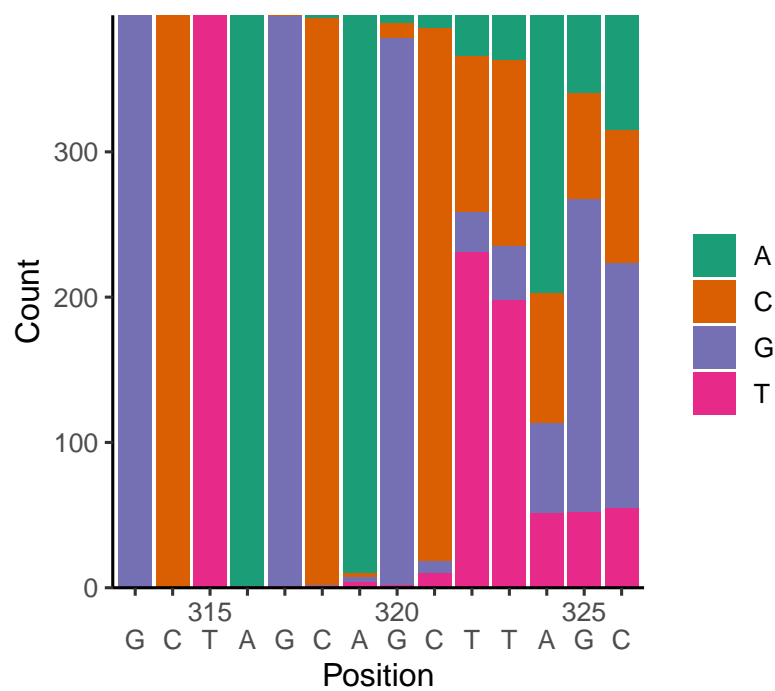


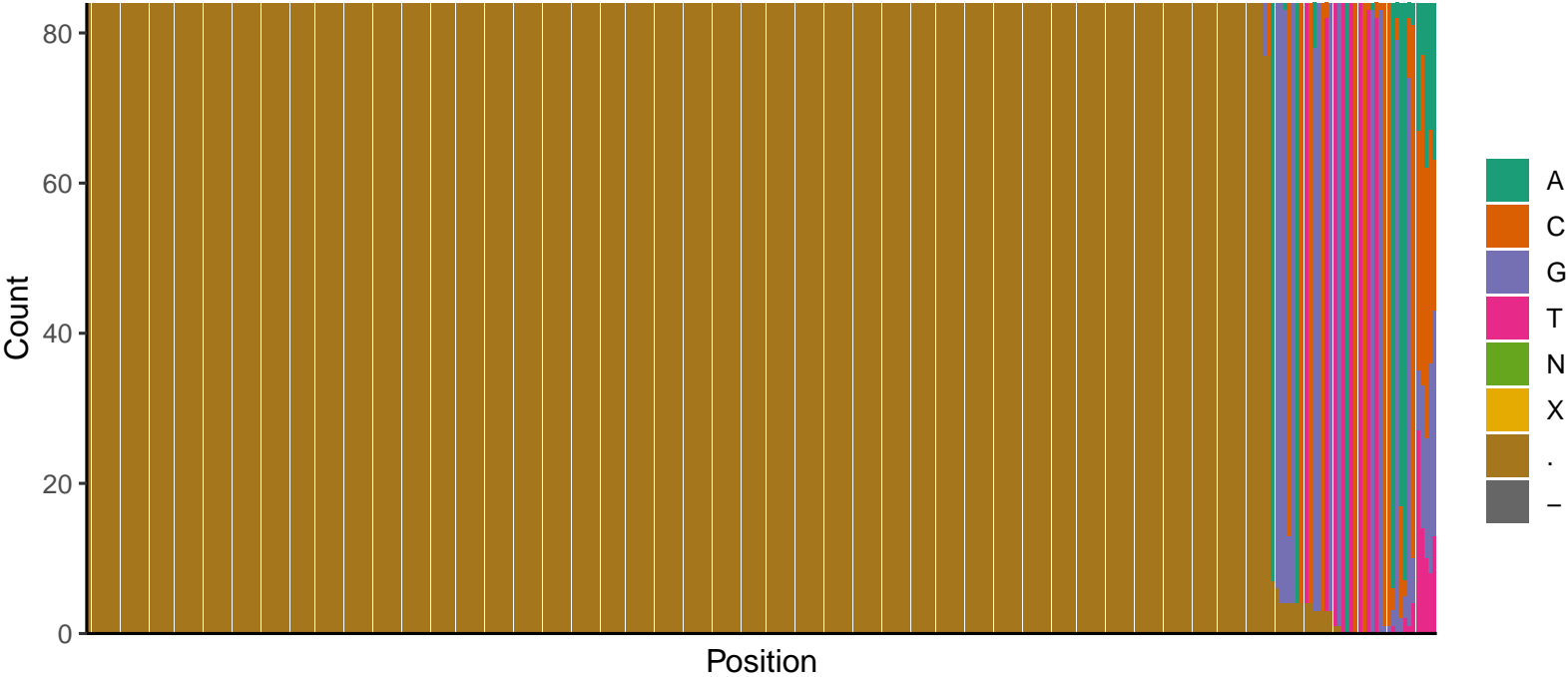
Gene TRBV7-1\*ap01\_T296C



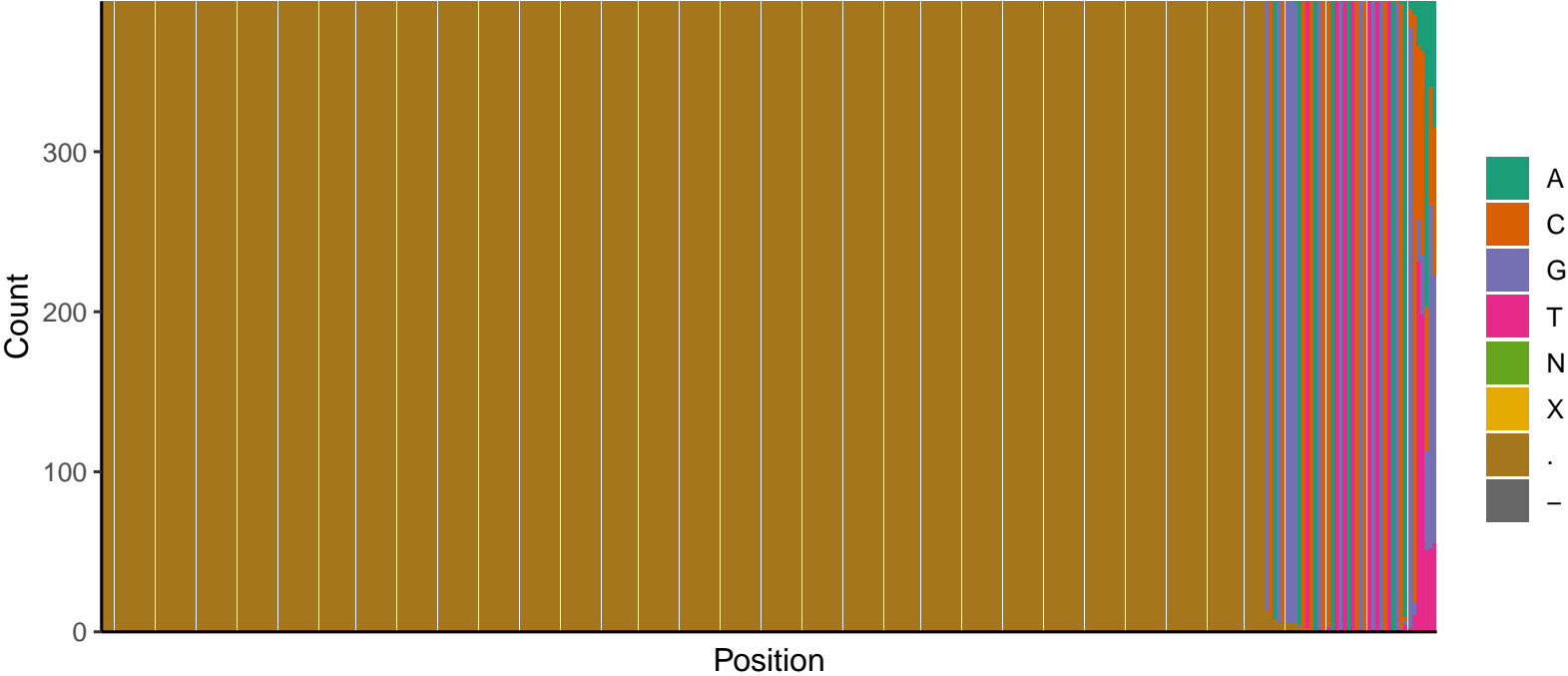
Gene TRBV7-7\*ap01\_C315T



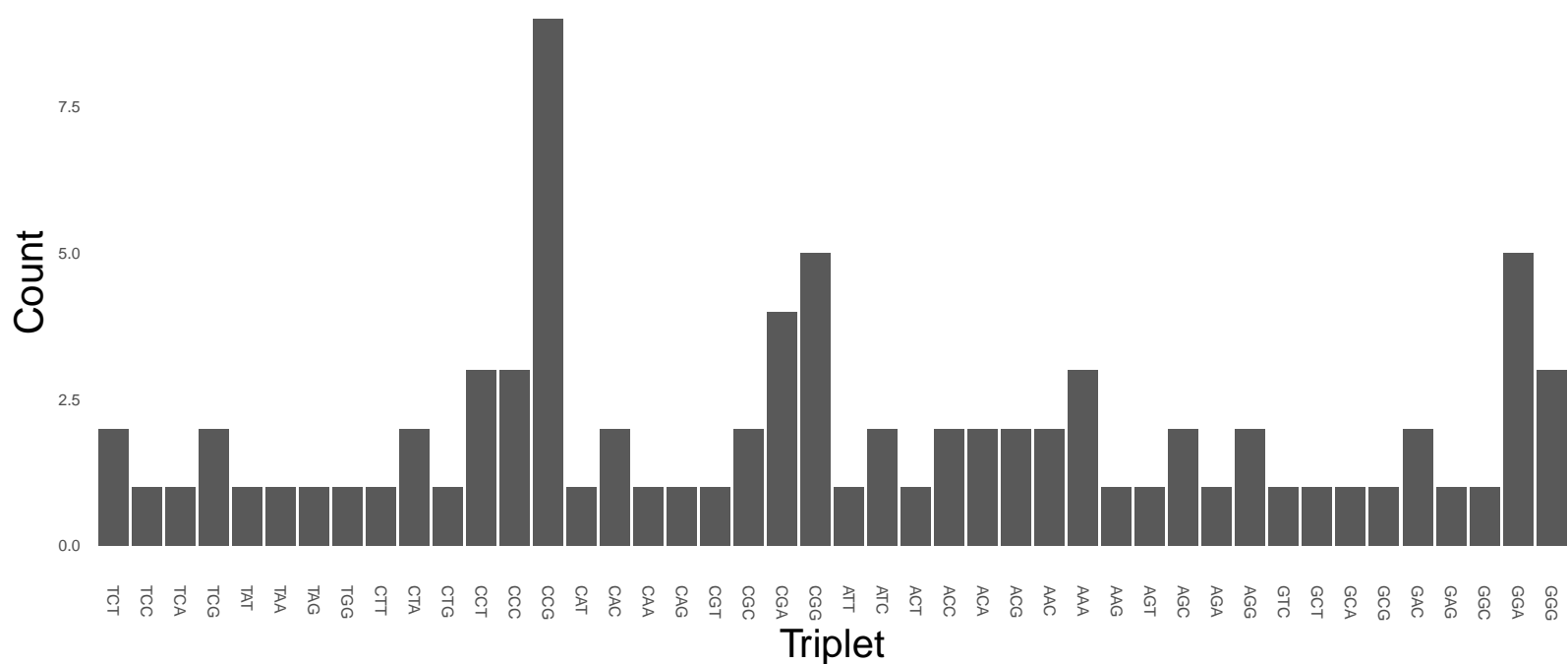
Gene TRBV7-1\*ap01\_T296C



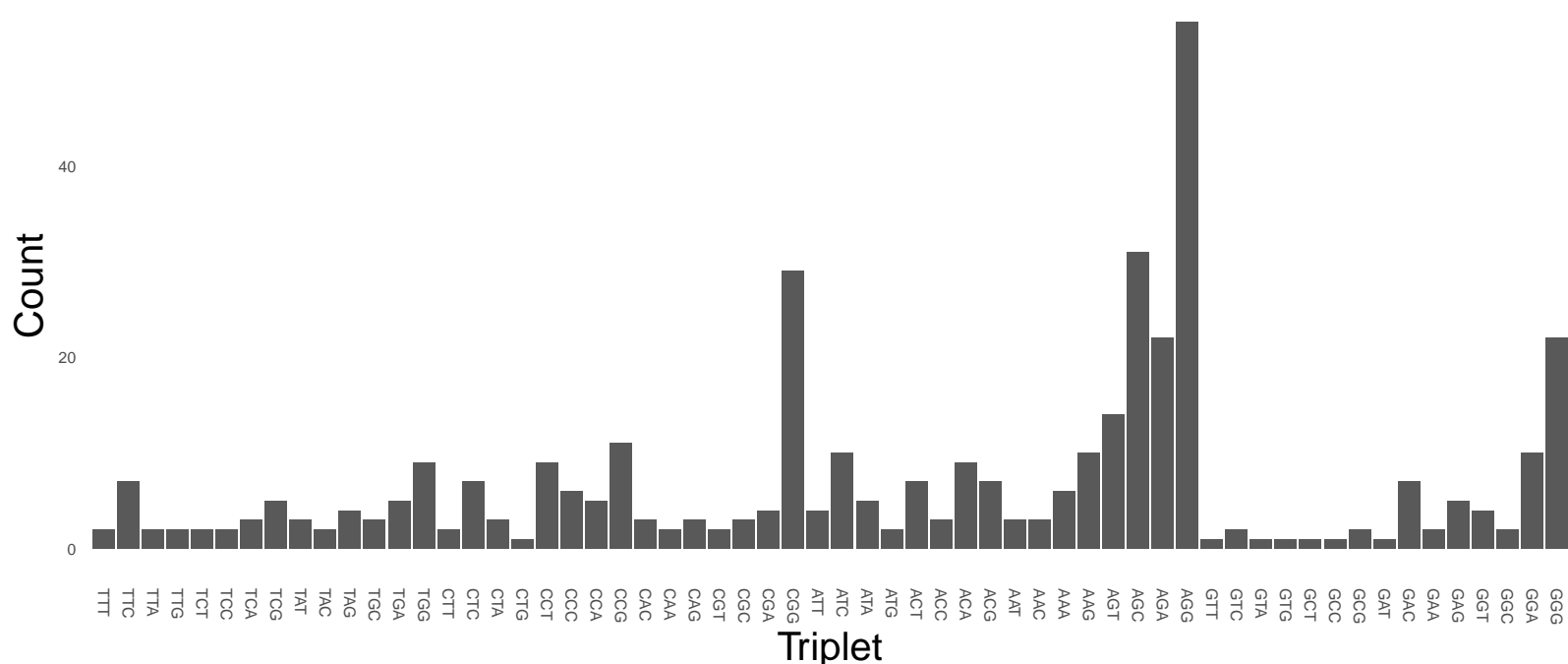
Gene TRBV7-7\*ap01\_C315T



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

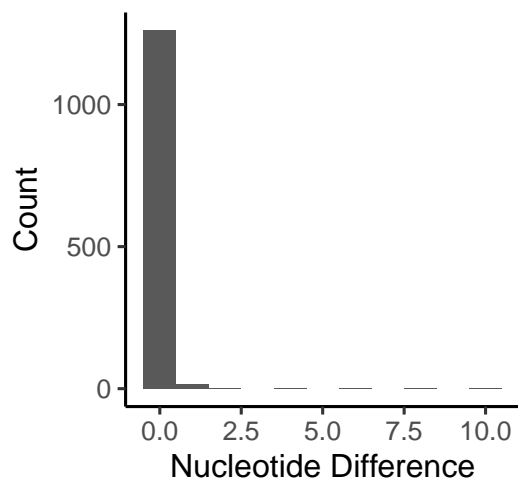


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



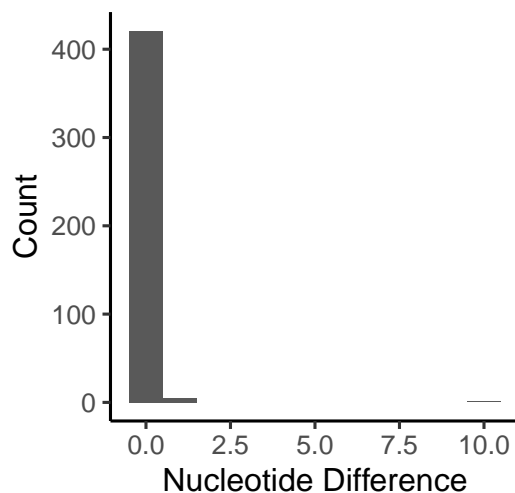
### TRBV10-1\*ap01

1283 sequences assigned  
1261 (98.3%) exact matches, in which:  
1230 unique CDR3  
14 unique J



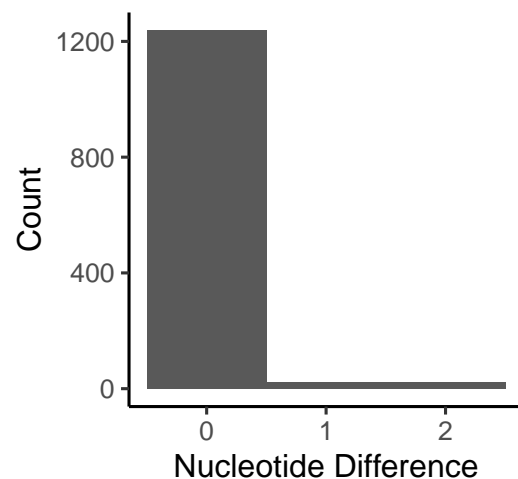
### TRBV10-2\*ap01

427 sequences assigned  
421 (98.6%) exact matches, in which:  
414 unique CDR3  
13 unique J



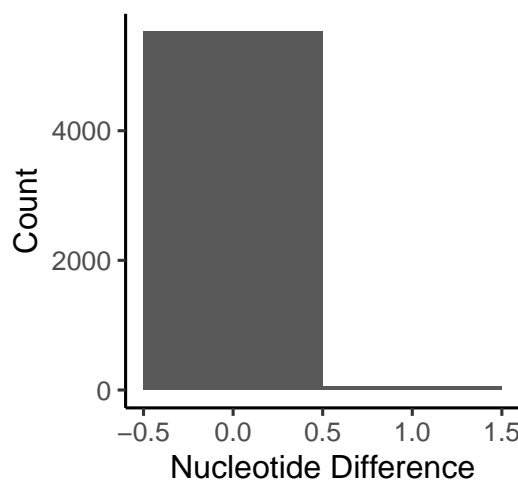
### TRBV13\*ap01

1282 sequences assigned  
1238 (96.6%) exact matches, in which:  
1206 unique CDR3  
13 unique J



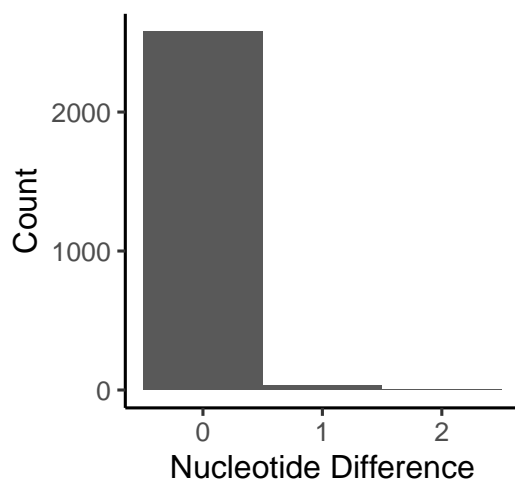
### TRBV20-1\*ap01

5587 sequences assigned  
5527 (98.9%) exact matches, in which:  
5459 unique CDR3  
13 unique J



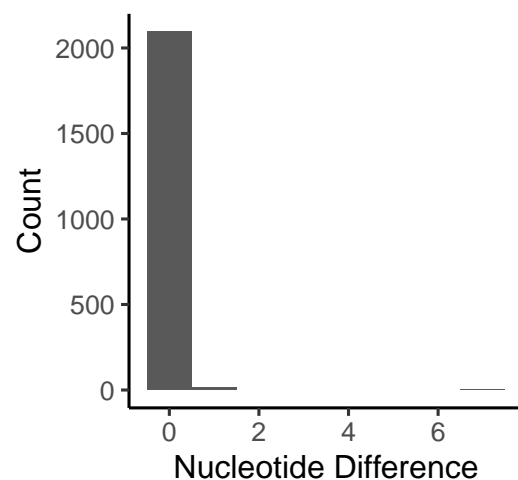
### TRBV10-3\*ap01

2608 sequences assigned  
2578 (98.8%) exact matches, in which:  
2532 unique CDR3  
13 unique J



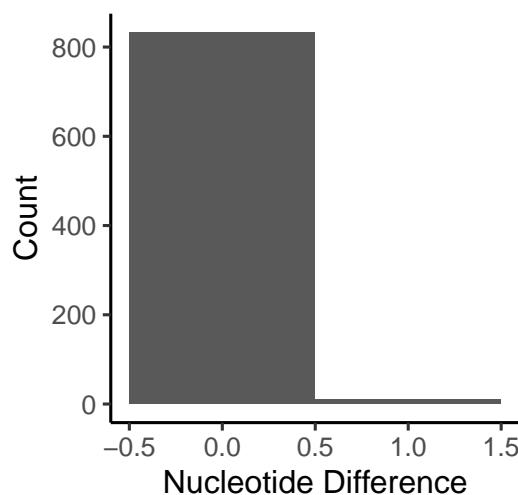
### TRBV14\*ap01

2108 sequences assigned  
2095 (99.4%) exact matches, in which:  
2060 unique CDR3  
13 unique J



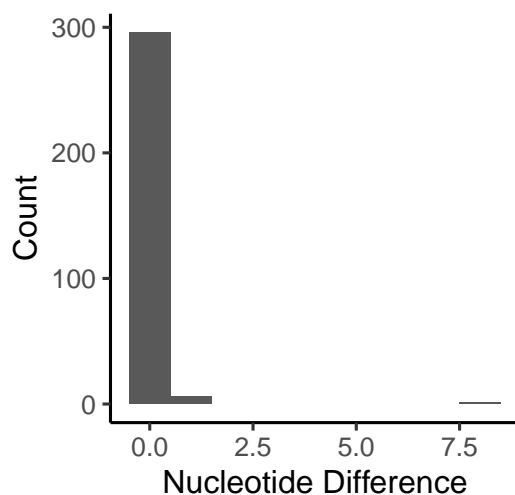
### TRBV20-1\*ap02

844 sequences assigned  
833 (98.7%) exact matches, in which:  
823 unique CDR3  
13 unique J



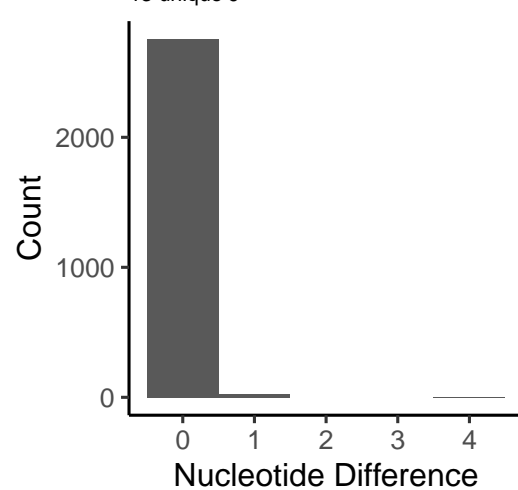
### TRBV1\*ap01

303 sequences assigned  
296 (97.7%) exact matches, in which:  
289 unique CDR3  
13 unique J



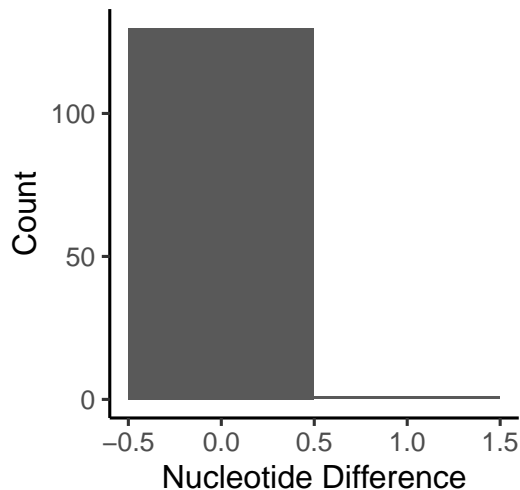
### TRBV15\*ap02

2783 sequences assigned  
2756 (99%) exact matches, in which:  
2704 unique CDR3  
13 unique J



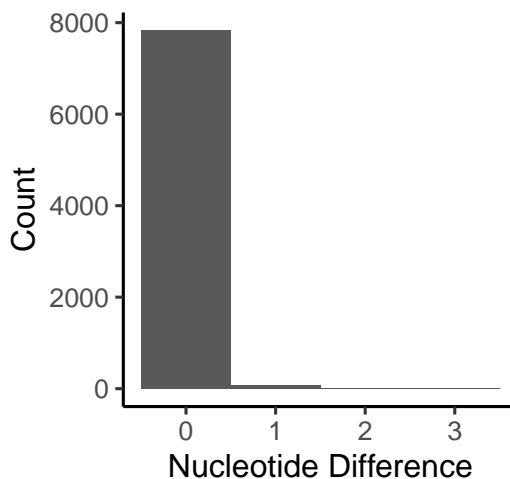
### TRBV16\*ap01

131 sequences assigned  
130 (99.2%) exact matches, in which:  
129 unique CDR3  
13 unique J



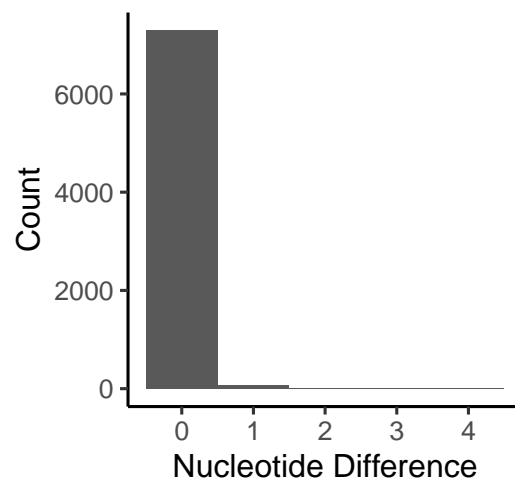
### TRBV19\*ap01

7912 sequences assigned  
7831 (99%) exact matches, in which:  
7774 unique CDR3  
13 unique J



### TRBV28\*ap01

7360 sequences assigned  
7293 (99.1%) exact matches, in which:  
7196 unique CDR3  
13 unique J



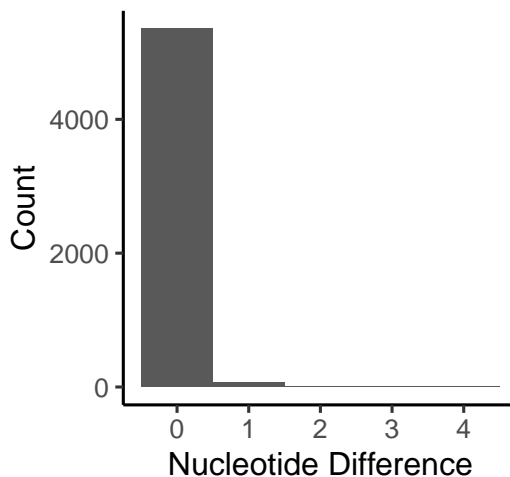
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



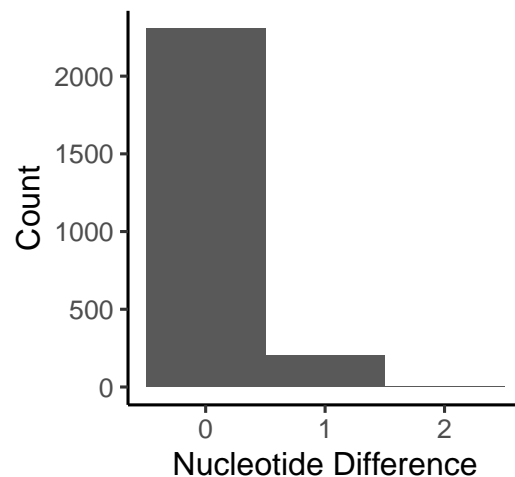
### TRBV2\*ap01

5432 sequences assigned  
5354 (98.6%) exact matches, in which:  
5236 unique CDR3  
13 unique J



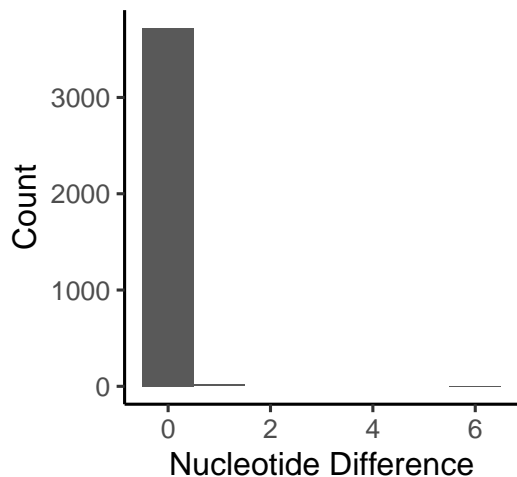
### TRBV30\*ap01

2510 sequences assigned  
2305 (91.8%) exact matches, in which:  
2265 unique CDR3  
13 unique J



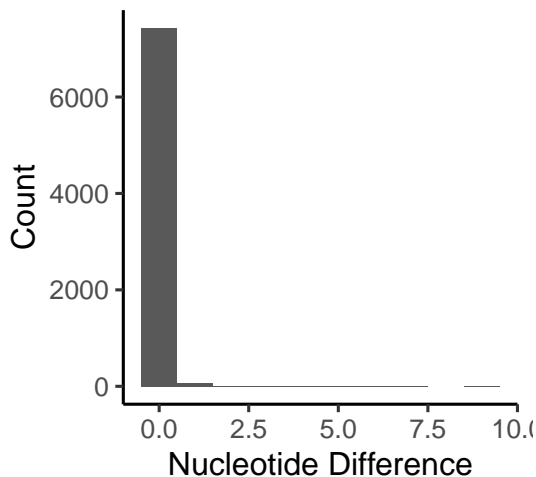
### TRBV18\*ap01

3742 sequences assigned  
3721 (99.4%) exact matches, in which:  
3689 unique CDR3  
13 unique J



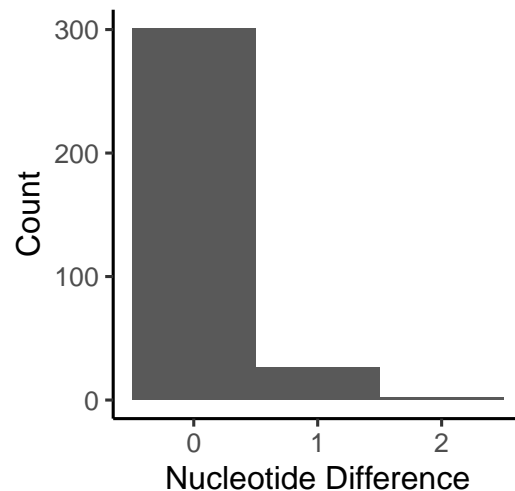
### TRBV27\*ap01

7516 sequences assigned  
7430 (98.9%) exact matches, in which:  
7255 unique CDR3  
13 unique J



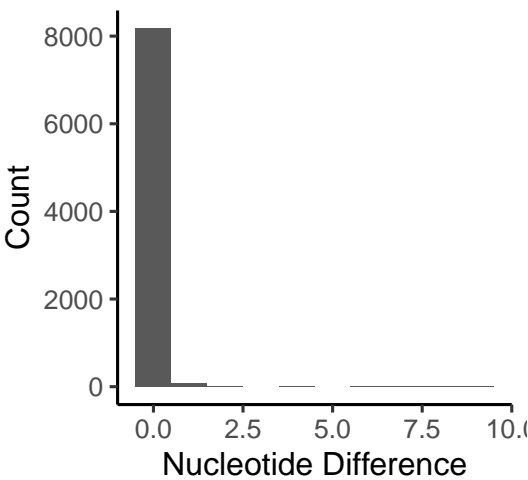
### TRBV30\*ap03

329 sequences assigned  
301 (91.5%) exact matches, in which:  
295 unique CDR3  
12 unique J



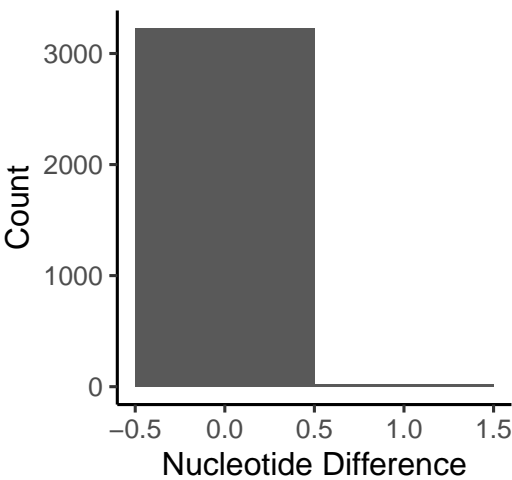
TRBV9\*ap01

8257 sequences assigned  
8176 (99%) exact matches, in which:  
8068 unique CDR3  
13 unique J



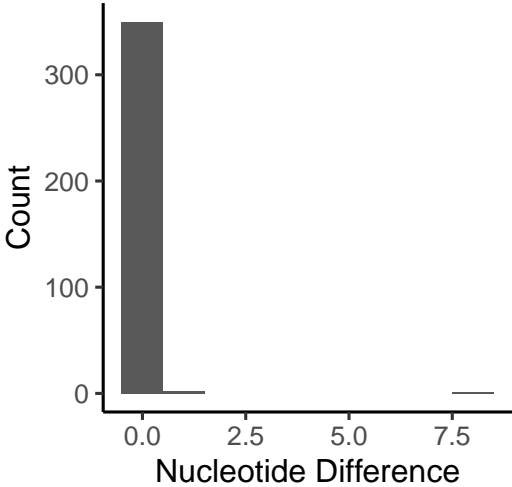
TRBV11-2\*ap01

3253 sequences assigned  
3226 (99.2%) exact matches, in which:  
3169 unique CDR3  
13 unique J



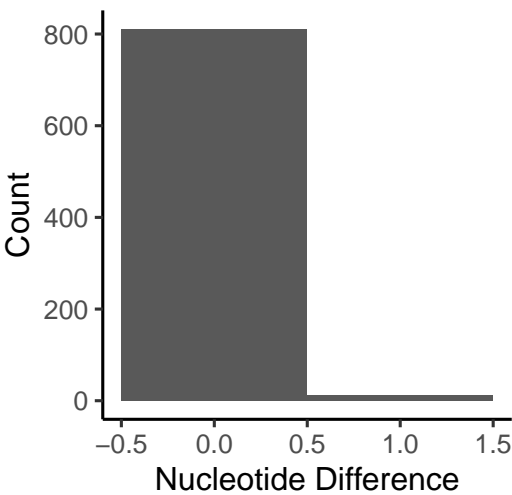
TRBV12-2\*ap01

353 sequences assigned  
350 (99.2%) exact matches, in which:  
342 unique CDR3  
13 unique J



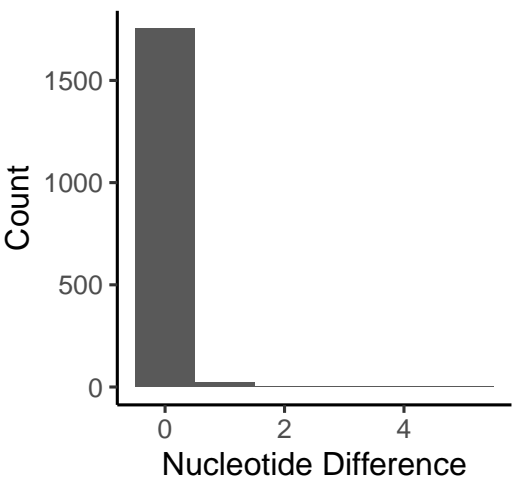
TRBV11-1\*ap01

822 sequences assigned  
811 (98.7%) exact matches, in which:  
792 unique CDR3  
13 unique J



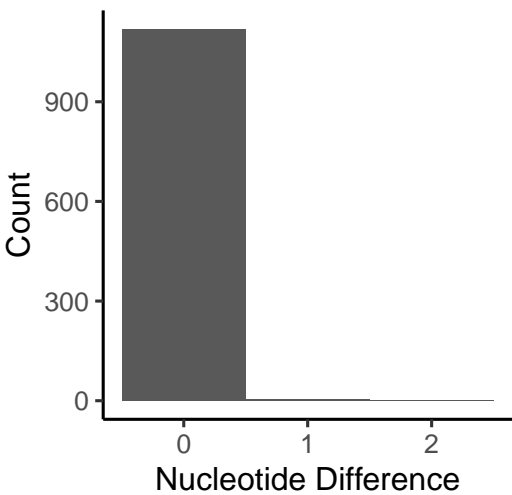
TRBV11-3\*ap01

1779 sequences assigned  
1753 (98.5%) exact matches, in which:  
1732 unique CDR3  
13 unique J



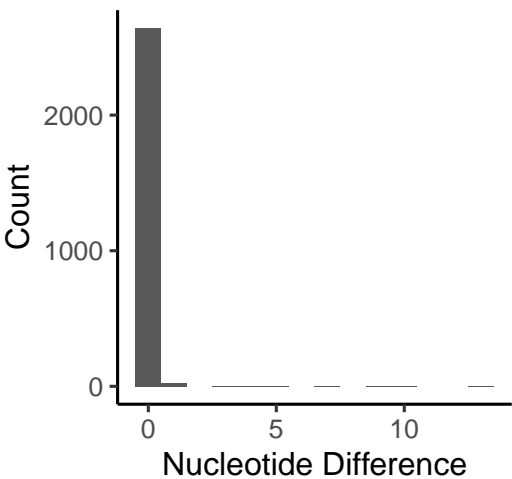
TRBV12-5\*ap01

1125 sequences assigned  
1119 (99.5%) exact matches, in which:  
1109 unique CDR3  
13 unique J



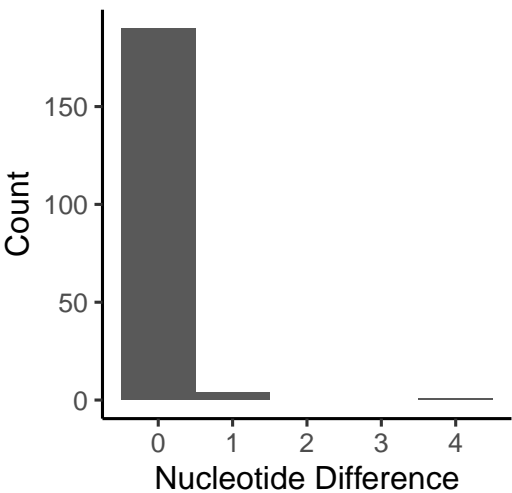
TRBV21-1\*ap01

2678 sequences assigned  
2642 (98.7%) exact matches, in which:  
2614 unique CDR3  
13 unique J



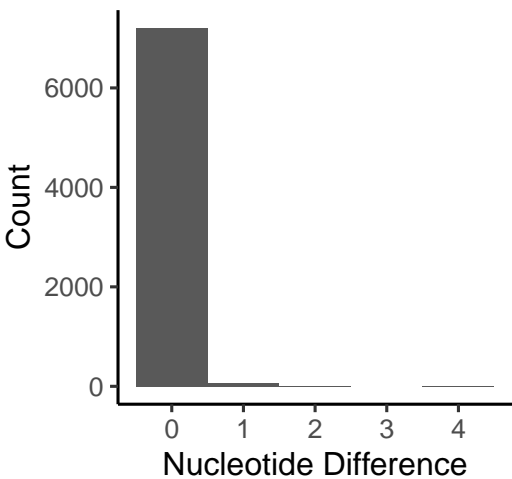
TRBV12-1\*ap01

195 sequences assigned  
190 (97.4%) exact matches, in which:  
187 unique CDR3  
13 unique J



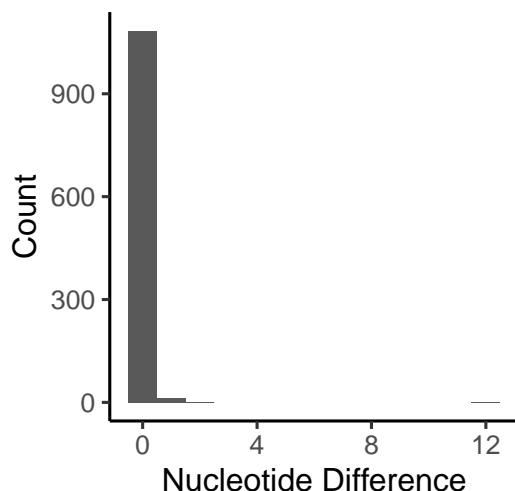
TRBV12-34\*ap01

7271 sequences assigned  
7204 (99.1%) exact matches, in which:  
7108 unique CDR3  
13 unique J



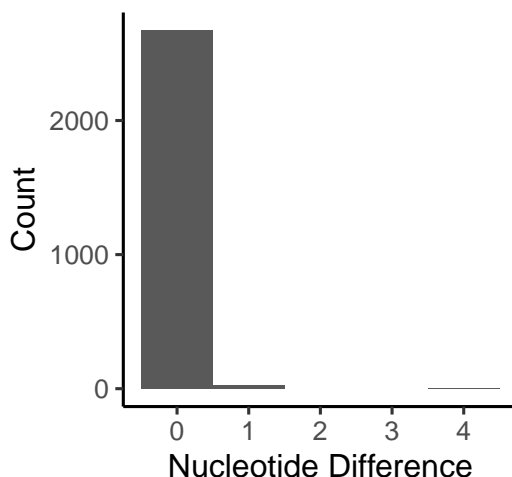
### TRBV23-1\*ap01

1100 sequences assigned  
1084 (98.5%) exact matches, in which:  
1071 unique CDR3  
13 unique J



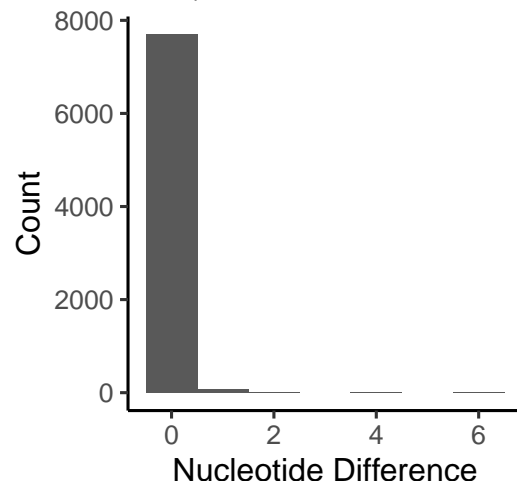
### TRBV4-1\*ap01

2701 sequences assigned  
2672 (98.9%) exact matches, in which:  
2604 unique CDR3  
13 unique J



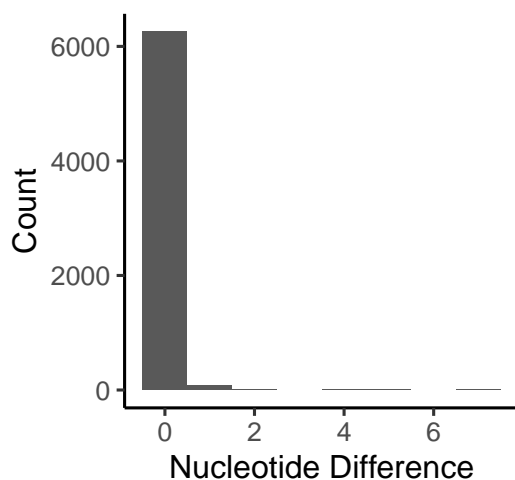
### TRBV5-1\*ap01

7783 sequences assigned  
7698 (98.9%) exact matches, in which:  
7492 unique CDR3  
13 unique J



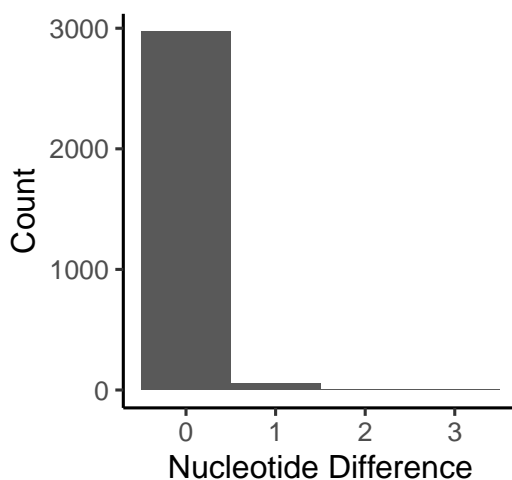
### TRBV3-12\*ap01

6351 sequences assigned  
6256 (98.5%) exact matches, in which:  
6139 unique CDR3  
13 unique J



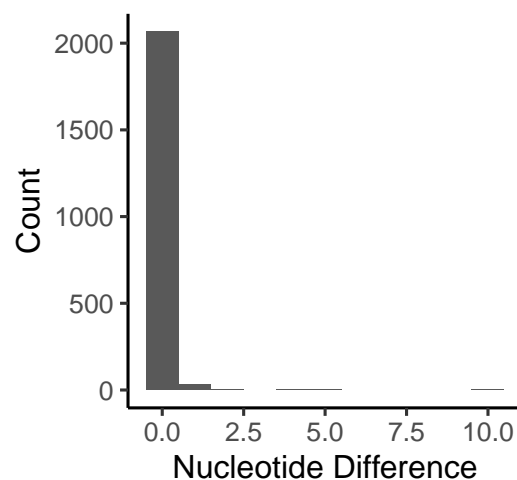
### TRBV4-2\*ap01

3031 sequences assigned  
2971 (98%) exact matches, in which:  
2920 unique CDR3  
13 unique J



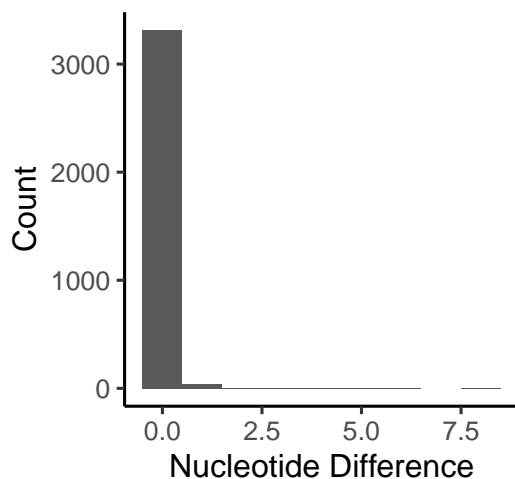
### TRBV25-1\*ap01

2100 sequences assigned  
2066 (98.4%) exact matches, in which:  
2028 unique CDR3  
13 unique J



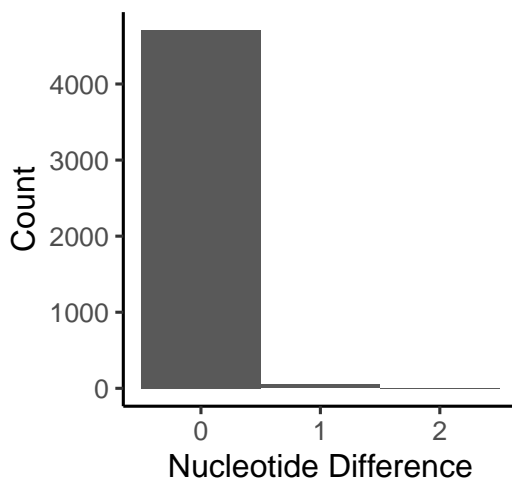
### TRBV24-1\*ap01

3364 sequences assigned  
3315 (98.5%) exact matches, in which:  
3256 unique CDR3  
13 unique J



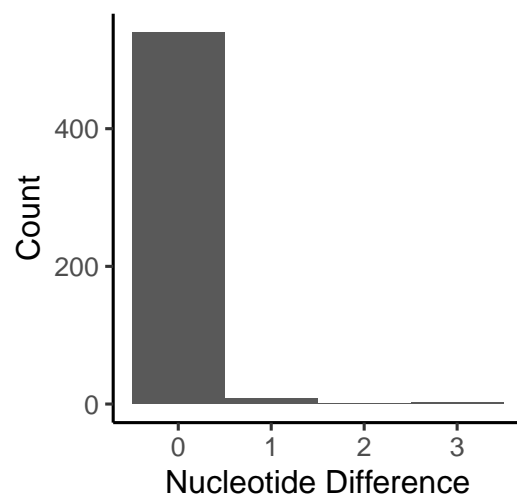
### TRBV4-3\*ap01

4766 sequences assigned  
4709 (98.8%) exact matches, in which:  
4618 unique CDR3  
13 unique J



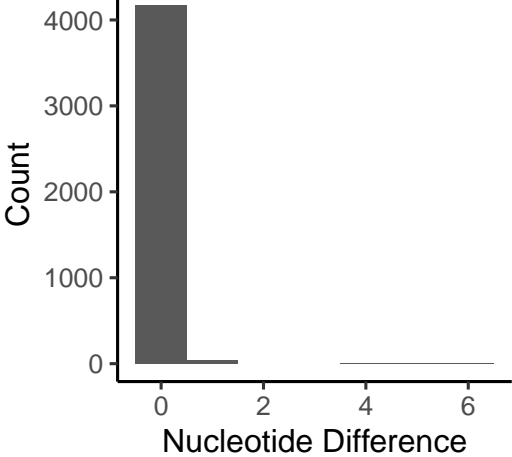
### TRBV5-3\*ap01

551 sequences assigned  
540 (98%) exact matches, in which:  
531 unique CDR3  
13 unique J



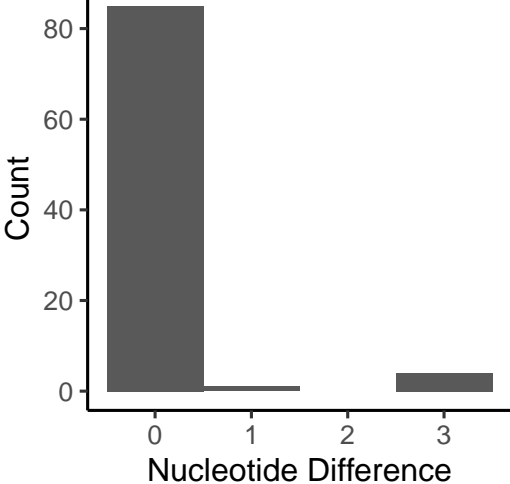
TRBV5-4\*ap01

4216 sequences assigned  
4169 (98.9%) exact matches, in which:  
4079 unique CDR3  
13 unique J



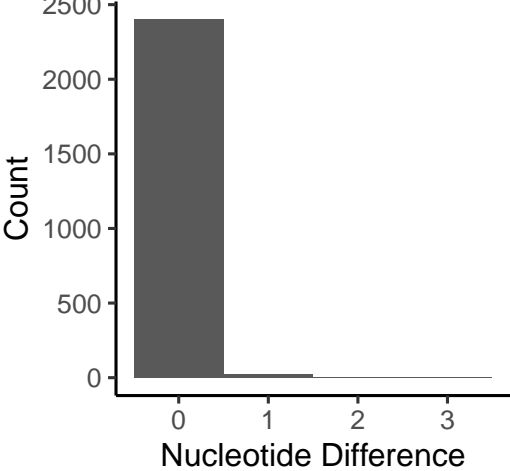
TRBV5-7\*ap01

90 sequences assigned  
85 (94.4%) exact matches, in which:  
84 unique CDR3  
12 unique J



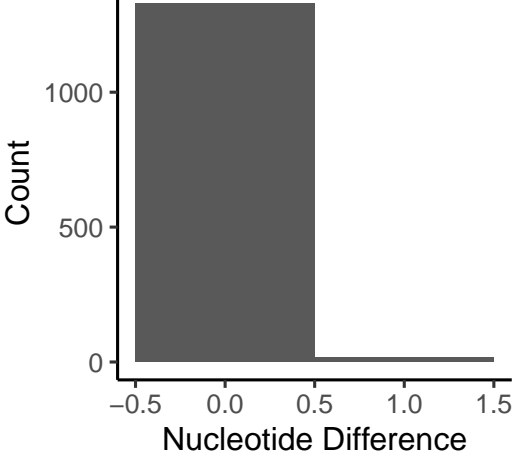
TRBV6-4\*ap01

2434 sequences assigned  
2401 (98.6%) exact matches, in which:  
2374 unique CDR3  
14 unique J



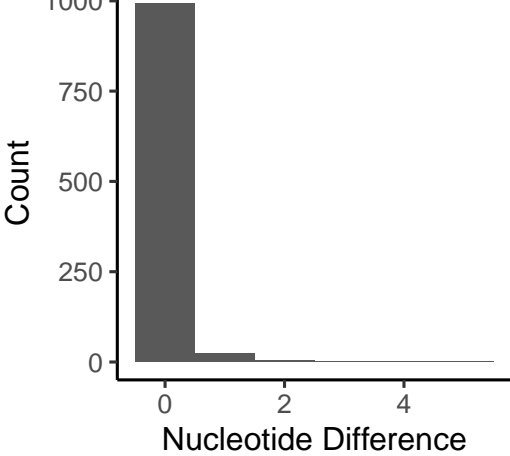
TRBV5-5\*ap01

1344 sequences assigned  
1328 (98.8%) exact matches, in which:  
1311 unique CDR3  
13 unique J



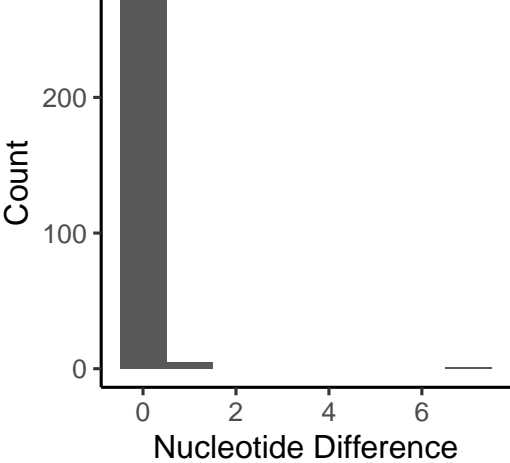
TRBV5-8\*ap01

1022 sequences assigned  
992 (97.1%) exact matches, in which:  
974 unique CDR3  
13 unique J



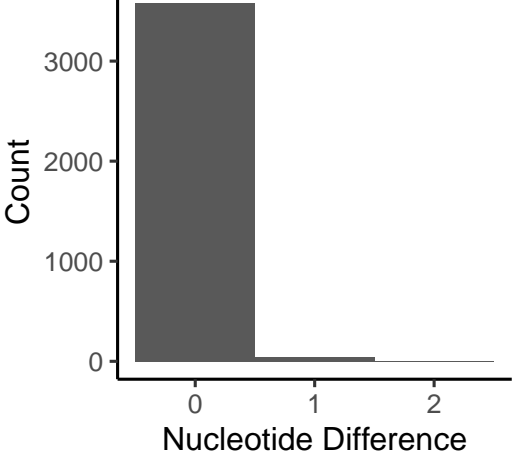
TRBV6-7\*ap01

280 sequences assigned  
274 (97.9%) exact matches, in which:  
270 unique CDR3  
13 unique J



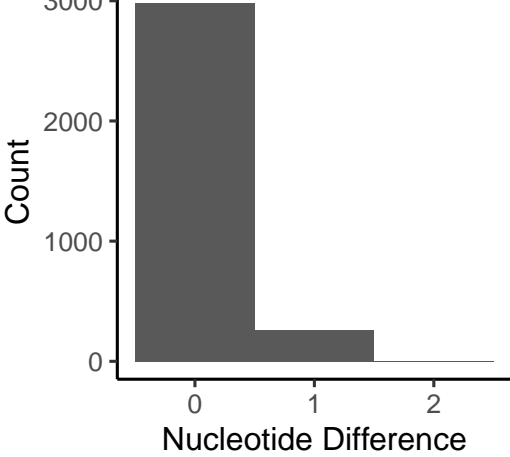
TRBV5-6\*ap01

3623 sequences assigned  
3580 (98.8%) exact matches, in which:  
3486 unique CDR3  
13 unique J



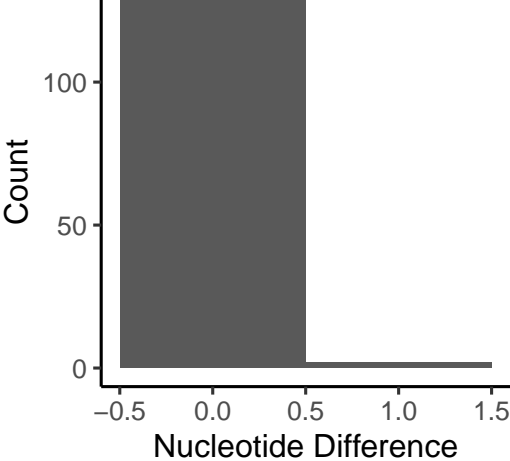
TRBV6-1\*ap01

3243 sequences assigned  
2981 (91.9%) exact matches, in which:  
2903 unique CDR3  
13 unique J



TRBV6-8\*ap01

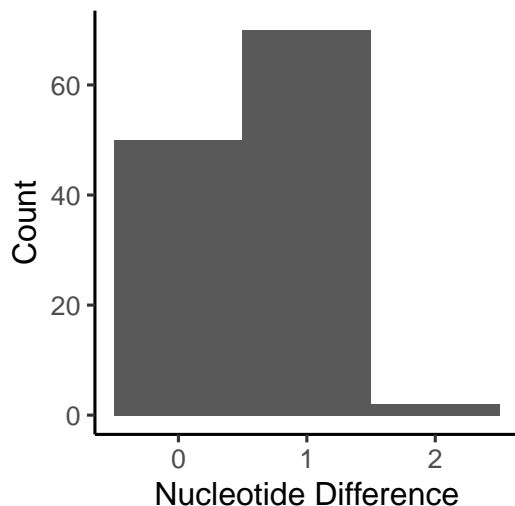
132 sequences assigned  
130 (98.5%) exact matches, in which:  
127 unique CDR3  
12 unique J





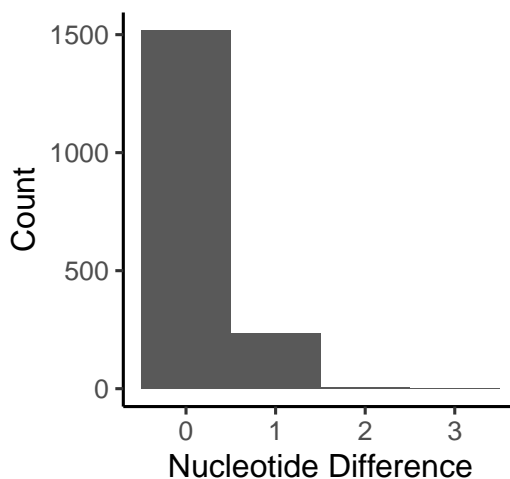
### TRBV6-9\*ap01

122 sequences assigned  
50 (41%) exact matches, in which:  
47 unique CDR3  
11 unique J



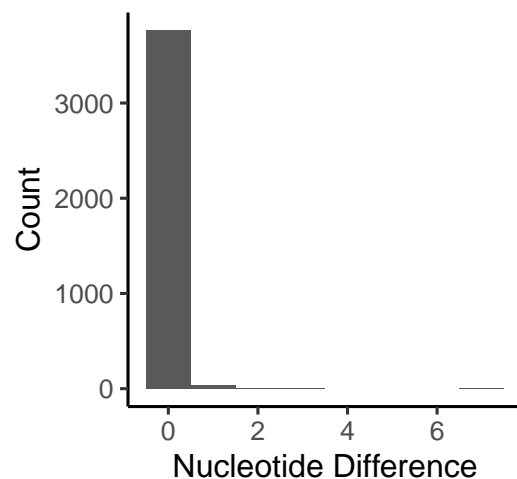
### TRBV6-56\*ap02

1759 sequences assigned  
1518 (86.3%) exact matches, in which:  
1483 unique CDR3  
13 unique J



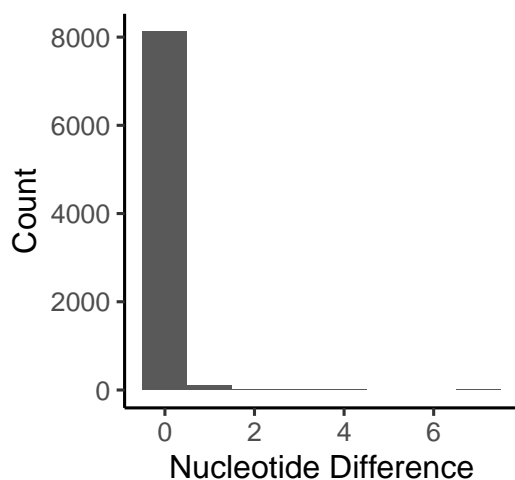
### TRBV7-3\*ap01

3803 sequences assigned  
3763 (98.9%) exact matches, in which:  
3725 unique CDR3  
13 unique J



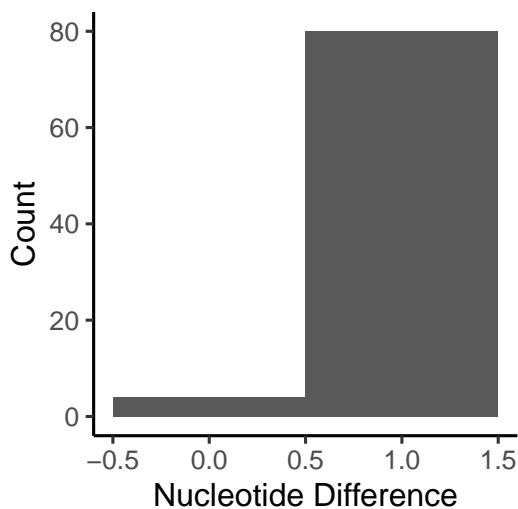
### TRBV6-23\*ap01

8232 sequences assigned  
8122 (98.7%) exact matches, in which:  
7916 unique CDR3  
13 unique J



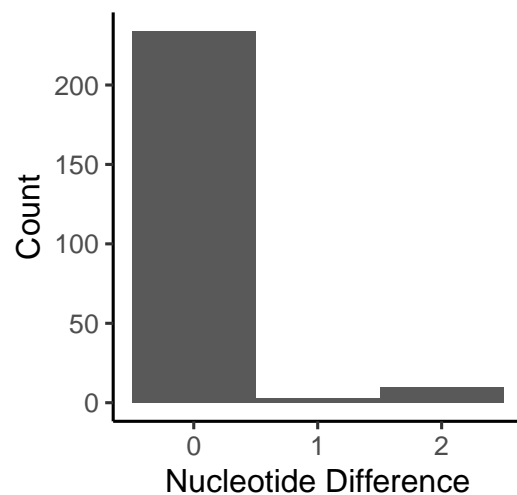
### TRBV7-1\*ap01\_T296C

84 sequences assigned  
4 (4.8%) exact matches, in which:  
4 unique CDR3  
3 unique J



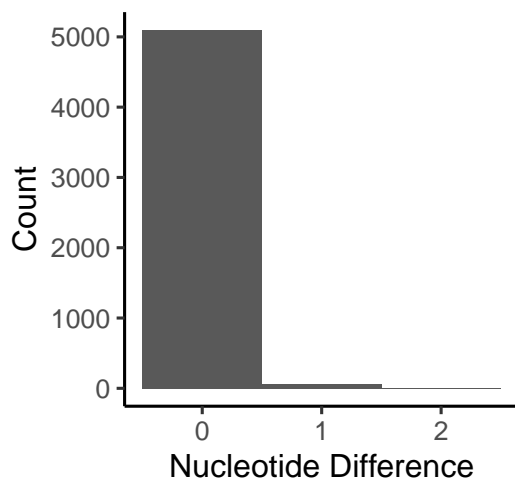
### TRBV7-4\*ap01

247 sequences assigned  
234 (94.7%) exact matches, in which:  
232 unique CDR3  
13 unique J



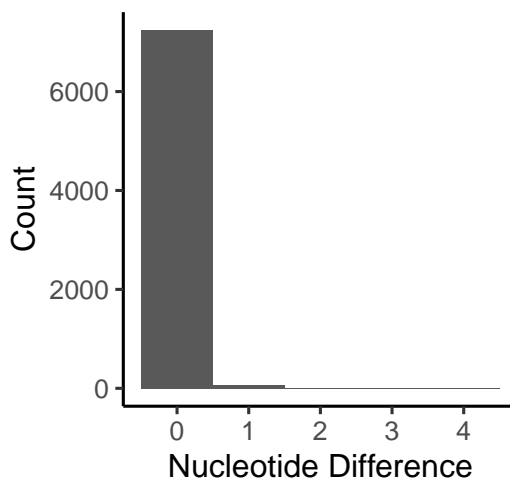
### TRBV6-56\*ap01

5166 sequences assigned  
5097 (98.7%) exact matches, in which:  
4975 unique CDR3  
13 unique J



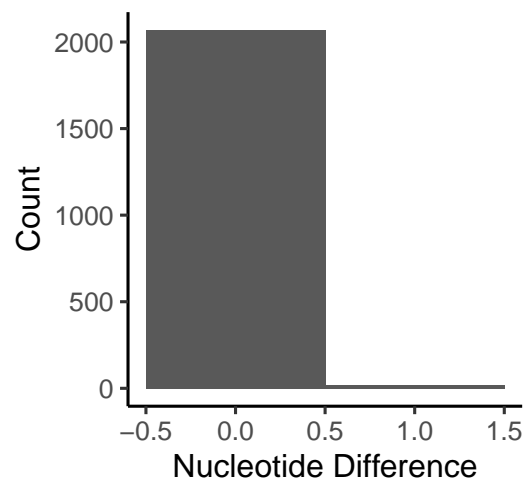
### TRBV7-2\*ap01

7320 sequences assigned  
7244 (99%) exact matches, in which:  
7161 unique CDR3  
13 unique J



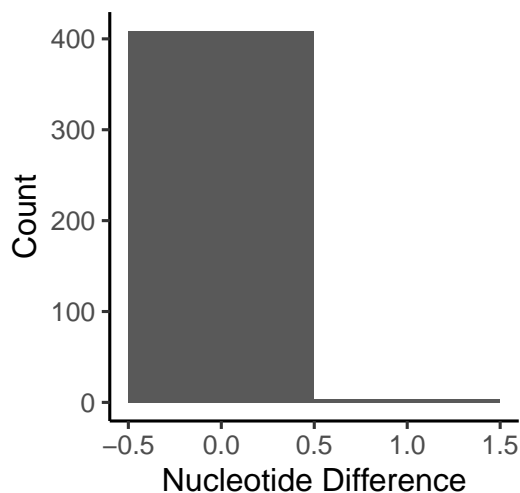
### TRBV7-6\*ap01

2087 sequences assigned  
2069 (99.1%) exact matches, in which:  
2019 unique CDR3  
13 unique J



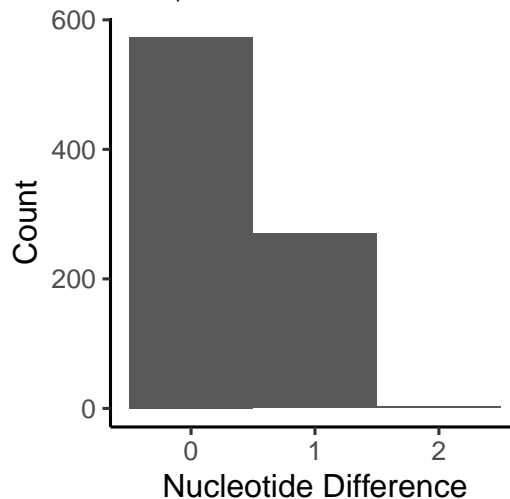
### TRBV7-7\*ap01

413 sequences assigned  
409 (99%) exact matches, in which:  
400 unique CDR3  
13 unique J



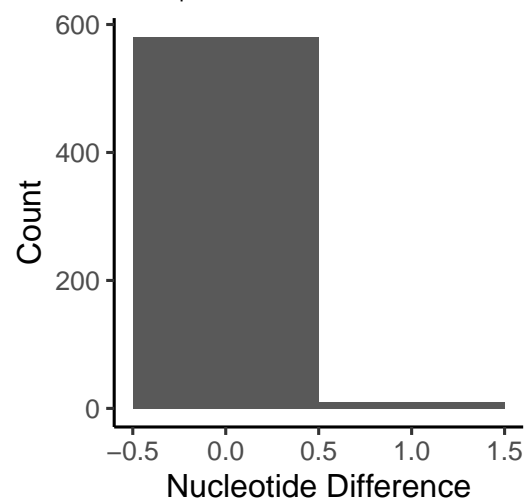
### TRBV7-8\*ap03

847 sequences assigned  
574 (67.8%) exact matches, in which:  
566 unique CDR3  
13 unique J



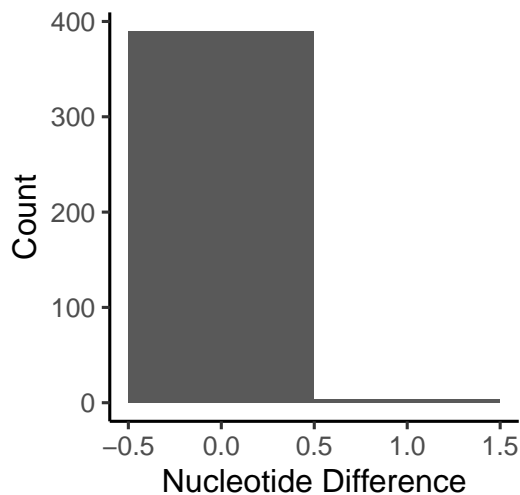
### TRBV29-1\*ap02

591 sequences assigned  
581 (98.3%) exact matches, in which:  
576 unique CDR3  
13 unique J



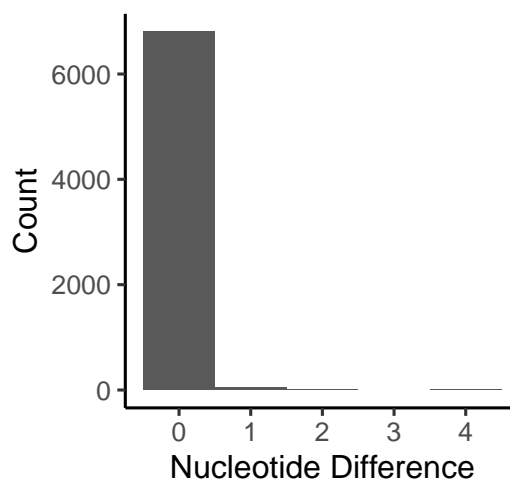
### TRBV7-7\*ap01\_C315T

394 sequences assigned  
390 (99%) exact matches, in which:  
384 unique CDR3  
13 unique J



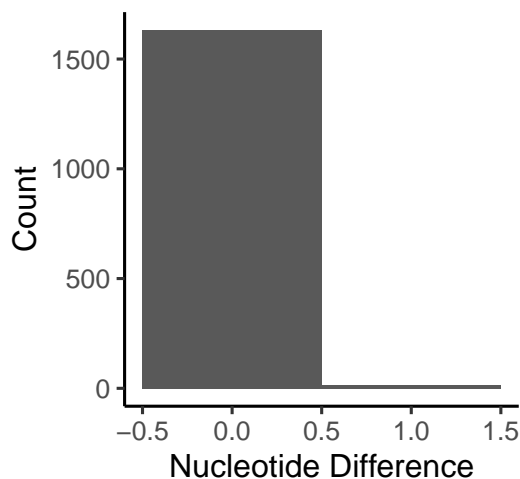
### TRBV7-9\*ap01

6862 sequences assigned  
6803 (99.1%) exact matches, in which:  
6707 unique CDR3  
13 unique J



### TRBV7-8\*ap01

1647 sequences assigned  
1632 (99.1%) exact matches, in which:  
1603 unique CDR3  
13 unique J



### TRBV29-1\*ap01

3038 sequences assigned  
3003 (98.8%) exact matches, in which:  
2930 unique CDR3  
13 unique J

