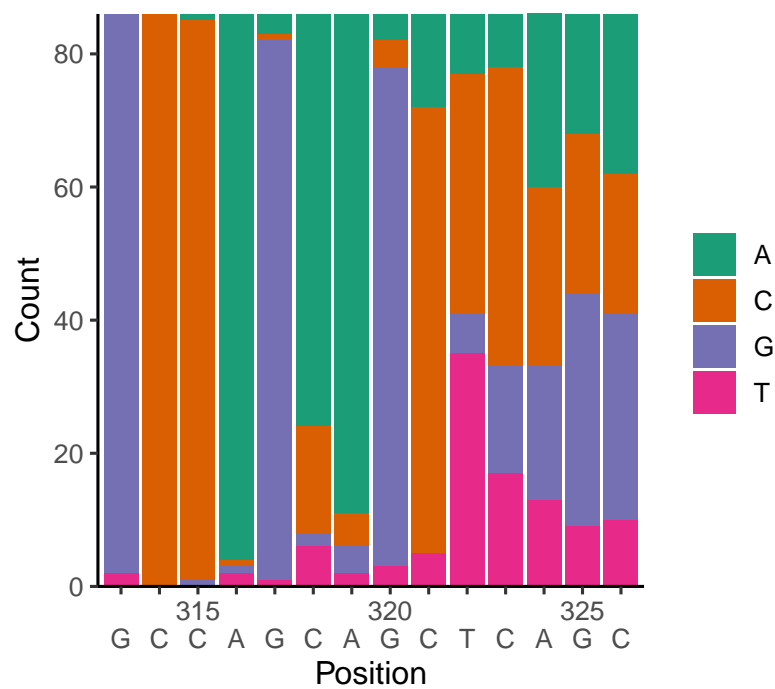
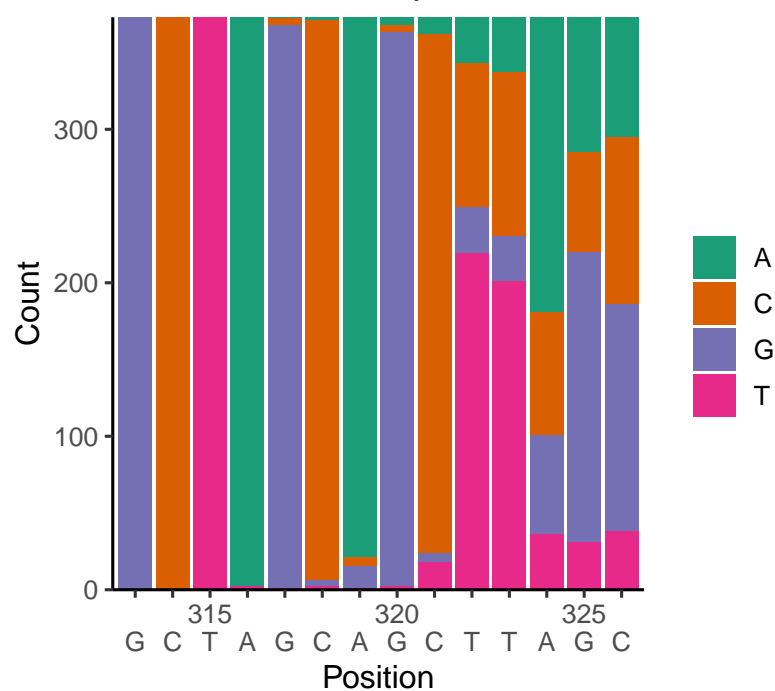


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



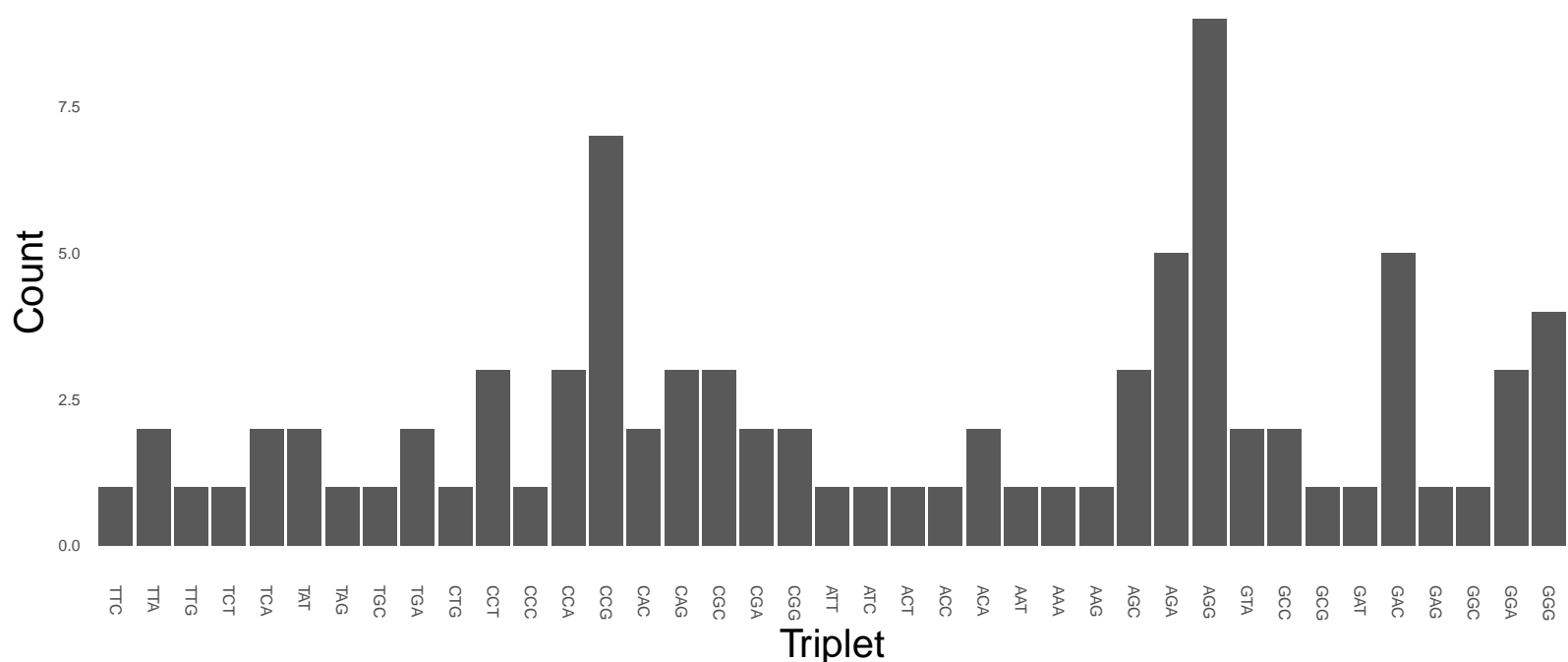
Gene TRBV7-1\*ap01\_T296C



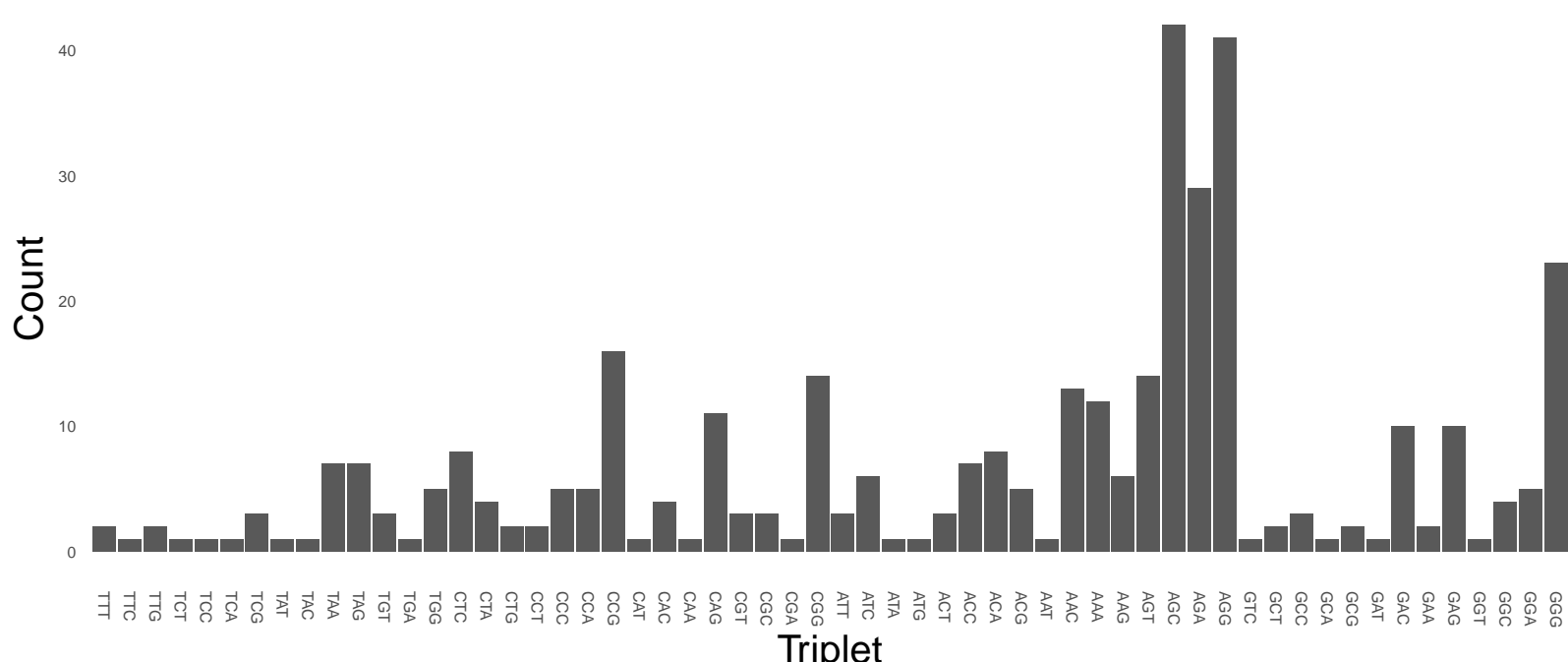
Gene TRBV7-7\*ap01\_C315T



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

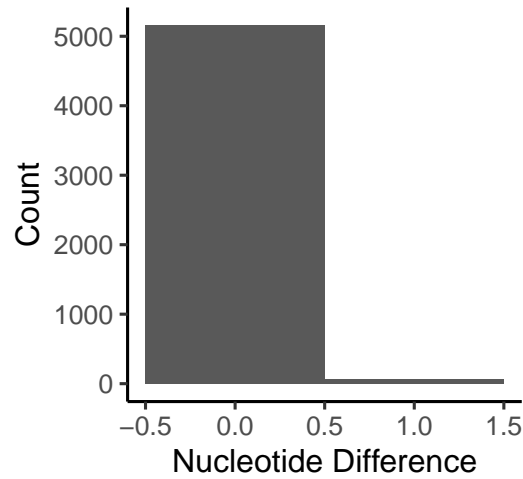


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



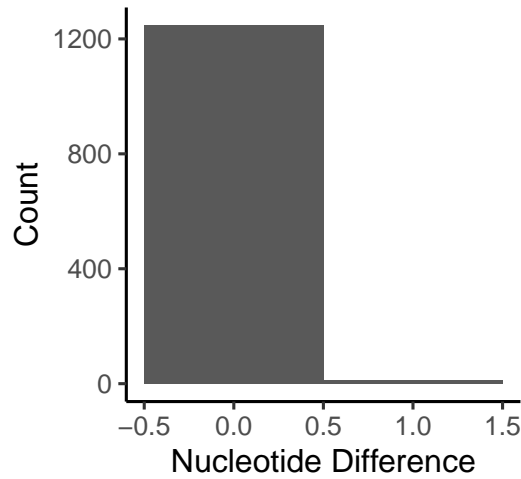
### TRBV20-1\*ap01

5227 sequences assigned  
5156 (98.6%) exact matches, in which:  
5059 unique CDR3  
13 unique J



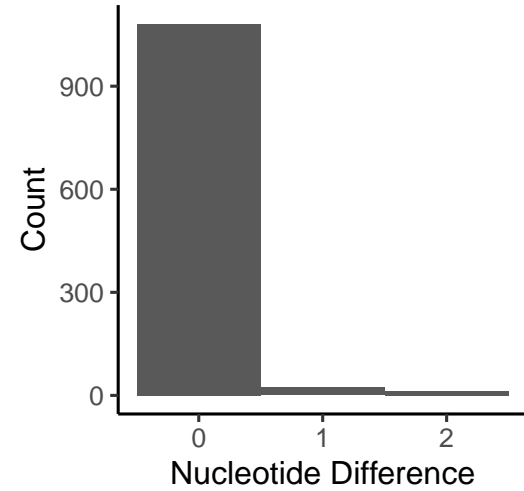
### TRBV10-2\*ap01

1260 sequences assigned  
1247 (99%) exact matches, in which:  
1212 unique CDR3  
13 unique J



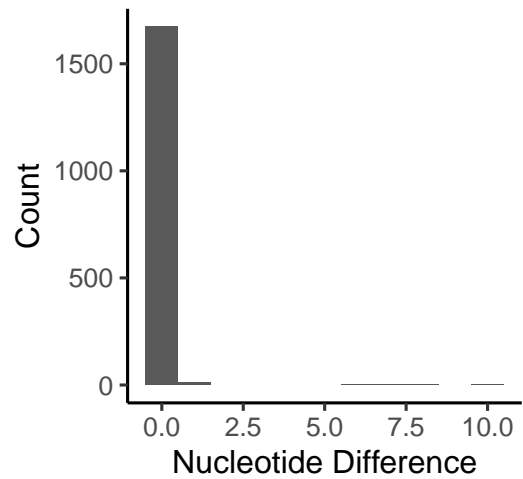
### TRBV13\*ap01

1118 sequences assigned  
1082 (96.8%) exact matches, in which:  
1044 unique CDR3  
13 unique J



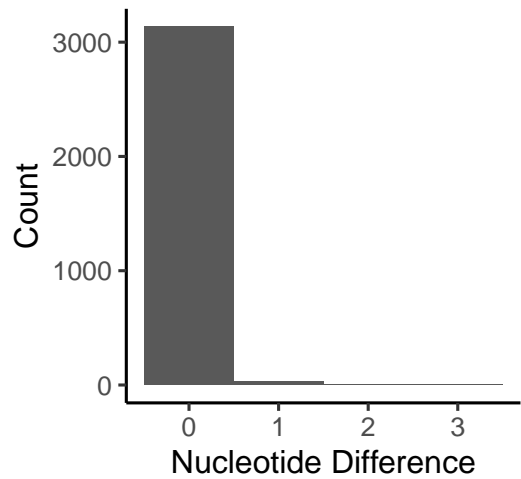
### TRBV10-1\*ap01

1691 sequences assigned  
1673 (98.9%) exact matches, in which:  
1644 unique CDR3  
13 unique J



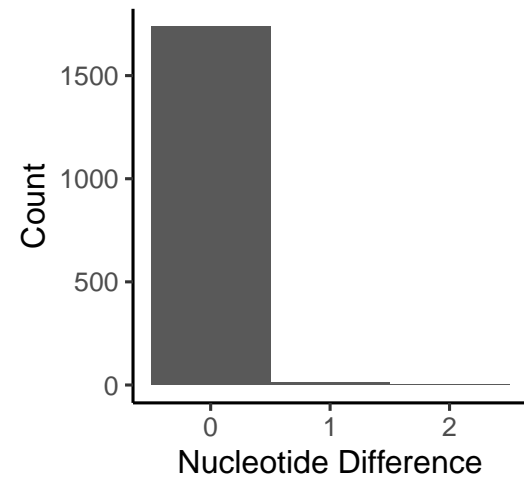
### TRBV10-3\*ap01

3172 sequences assigned  
3135 (98.8%) exact matches, in which:  
3067 unique CDR3  
13 unique J



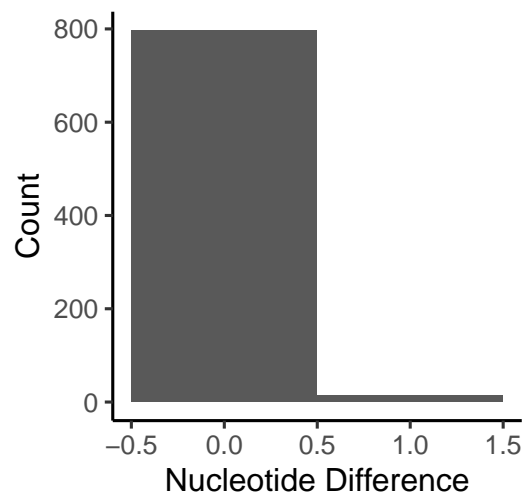
### TRBV14\*ap01

1751 sequences assigned  
1737 (99.2%) exact matches, in which:  
1701 unique CDR3  
13 unique J



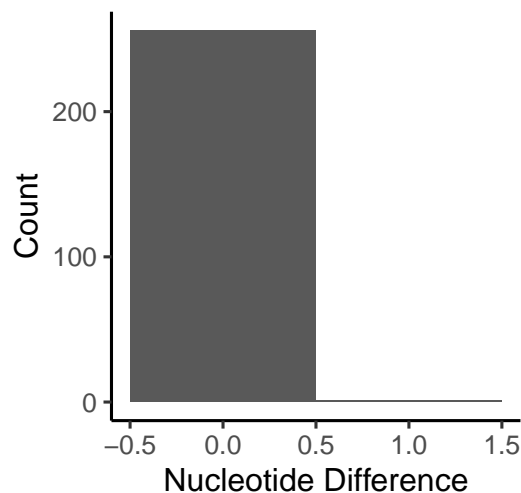
### TRBV20-1\*ap02

812 sequences assigned  
797 (98.2%) exact matches, in which:  
785 unique CDR3  
13 unique J



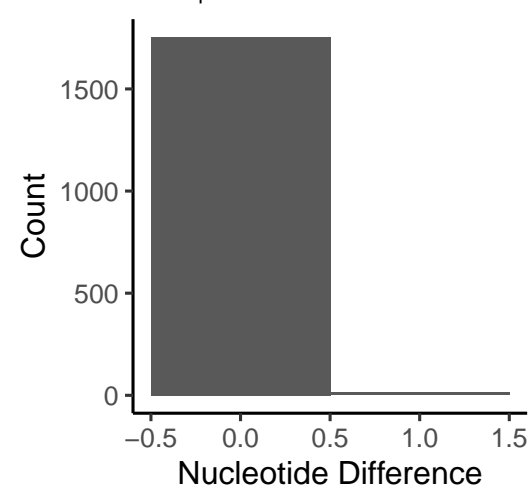
### TRBV1\*ap01

257 sequences assigned  
256 (99.6%) exact matches, in which:  
250 unique CDR3  
13 unique J



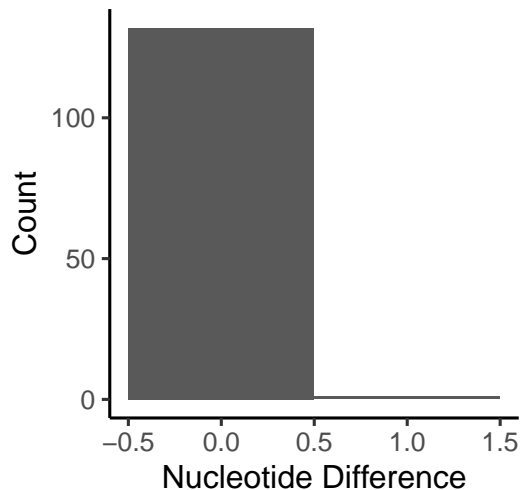
### TRBV15\*ap02

1767 sequences assigned  
1754 (99.3%) exact matches, in which:  
1726 unique CDR3  
13 unique J



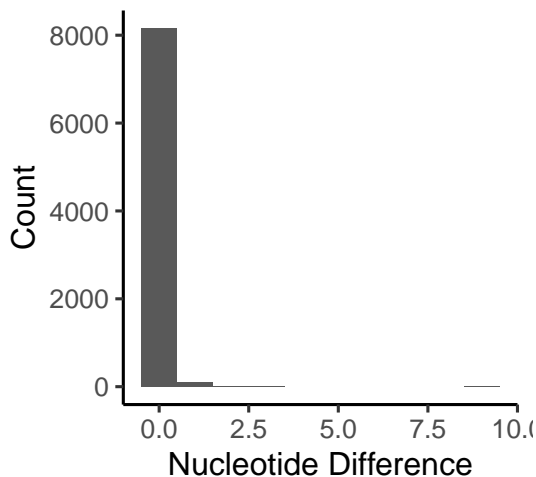
### TRBV16\*ap01

133 sequences assigned  
132 (99.2%) exact matches, in which:  
130 unique CDR3  
13 unique J



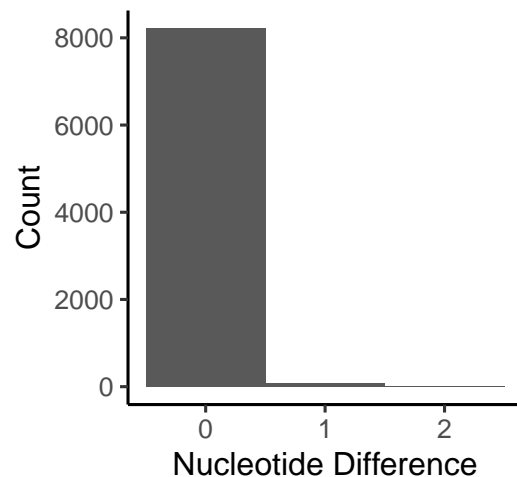
### TRBV19\*ap01

8267 sequences assigned  
8155 (98.6%) exact matches, in which:  
8047 unique CDR3  
13 unique J



### TRBV28\*ap01

8309 sequences assigned  
8216 (98.9%) exact matches, in which:  
8041 unique CDR3  
13 unique J



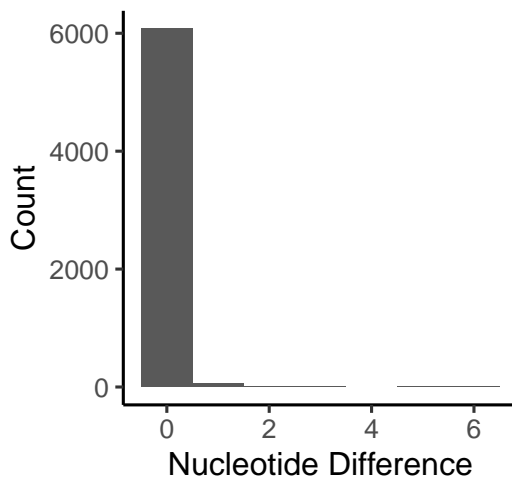
### TRBV17\*ap01

1 sequences assigned  
No exact matches.



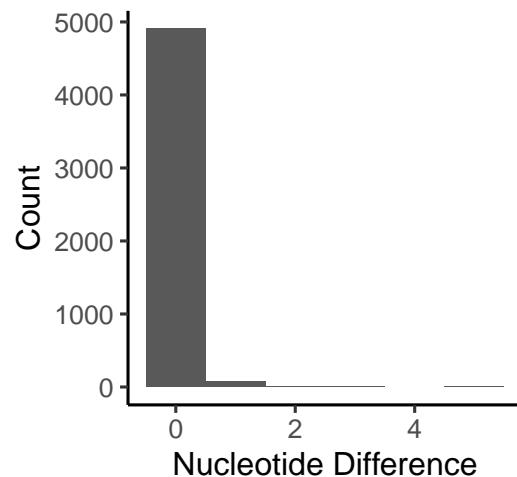
### TRBV2\*ap01

6135 sequences assigned  
6077 (99.1%) exact matches, in which:  
5977 unique CDR3  
13 unique J



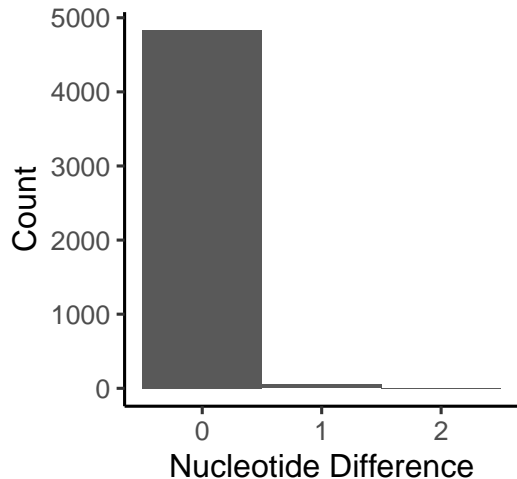
### TRBV30\*ap01

4981 sequences assigned  
4907 (98.5%) exact matches, in which:  
4851 unique CDR3  
13 unique J



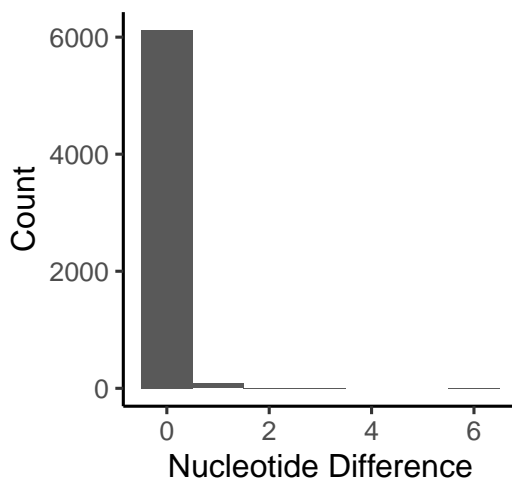
### TRBV18\*ap01

4885 sequences assigned  
4834 (99%) exact matches, in which:  
4777 unique CDR3  
13 unique J



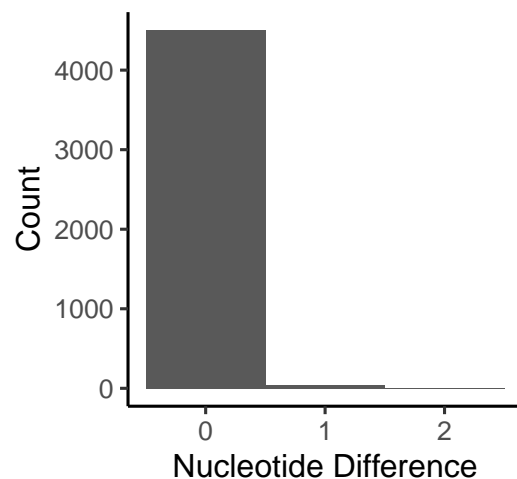
### TRBV27\*ap01

6210 sequences assigned  
6121 (98.6%) exact matches, in which:  
5977 unique CDR3  
13 unique J



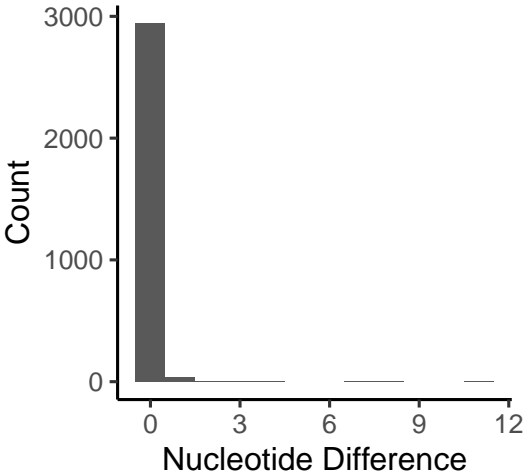
### TRBV9\*ap01

4551 sequences assigned  
4504 (99%) exact matches, in which:  
4406 unique CDR3  
13 unique J



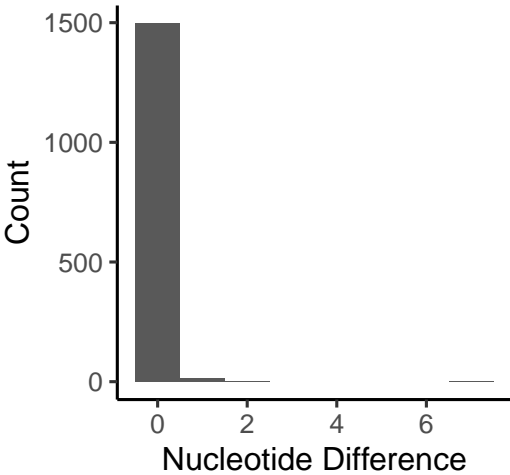
TRBV21-1\*ap01

2989 sequences assigned  
2942 (98.4%) exact matches, in which:  
2907 unique CDR3  
13 unique J



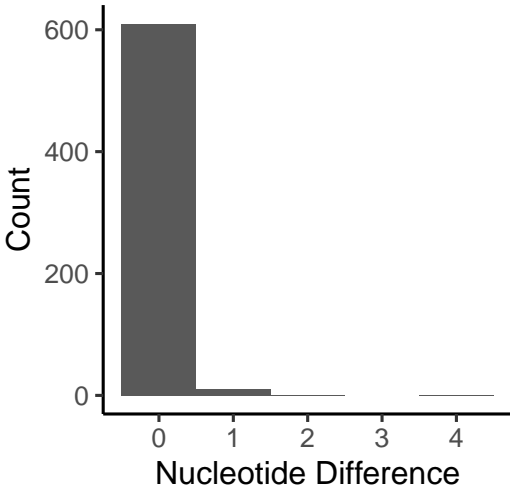
TRBV11-3\*ap01

1514 sequences assigned  
1497 (98.9%) exact matches, in which:  
1472 unique CDR3  
13 unique J



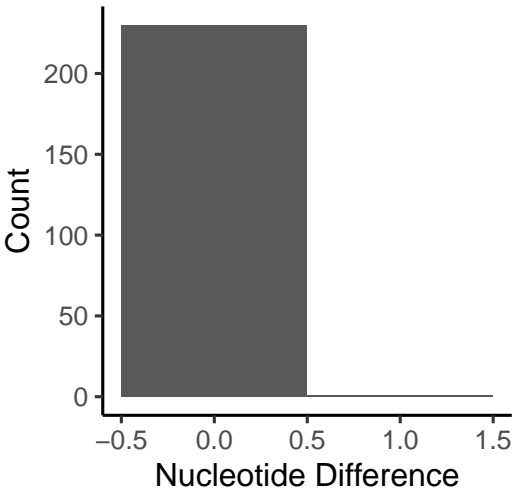
TRBV12-5\*ap01

622 sequences assigned  
610 (98.1%) exact matches, in which:  
599 unique CDR3  
13 unique J



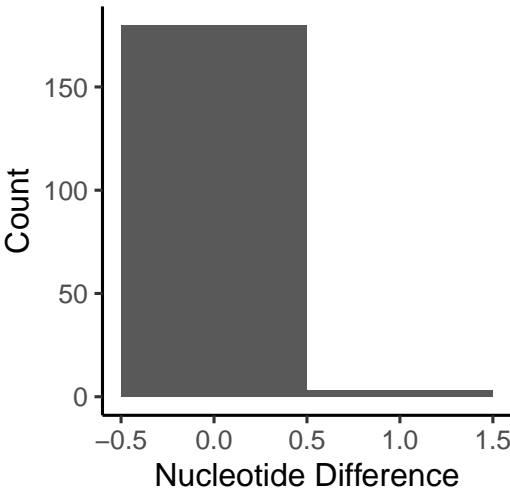
TRBV11-1\*ap01

231 sequences assigned  
230 (99.6%) exact matches, in which:  
226 unique CDR3  
13 unique J



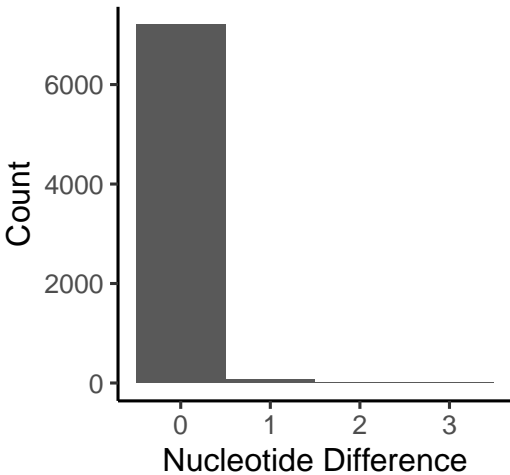
TRBV12-1\*ap01

183 sequences assigned  
180 (98.4%) exact matches, in which:  
177 unique CDR3  
13 unique J



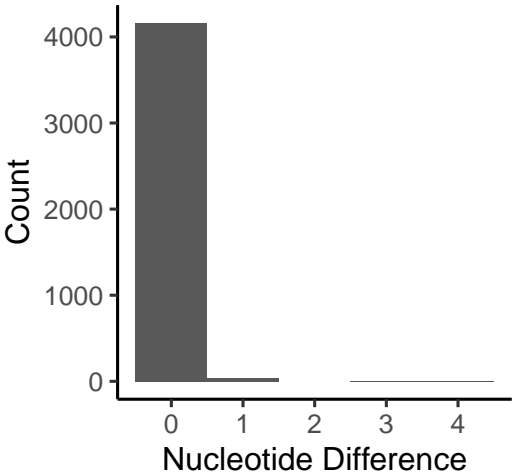
TRBV12-34\*ap01

7280 sequences assigned  
7203 (98.9%) exact matches, in which:  
7081 unique CDR3  
13 unique J



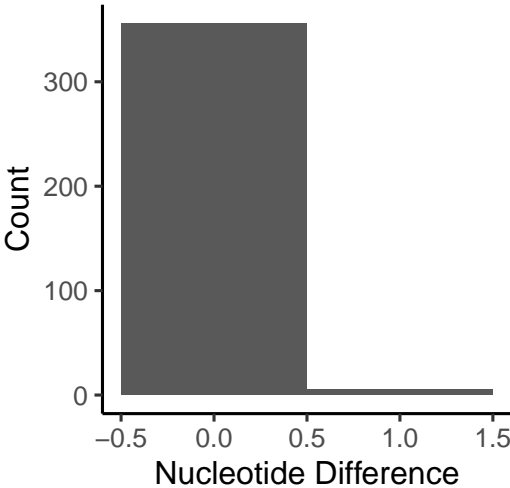
TRBV11-2\*ap01

4205 sequences assigned  
4161 (99%) exact matches, in which:  
4070 unique CDR3  
13 unique J



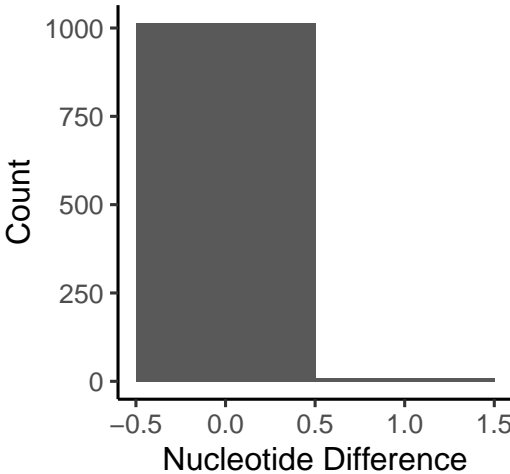
TRBV12-2\*ap01

361 sequences assigned  
356 (98.6%) exact matches, in which:  
344 unique CDR3  
13 unique J



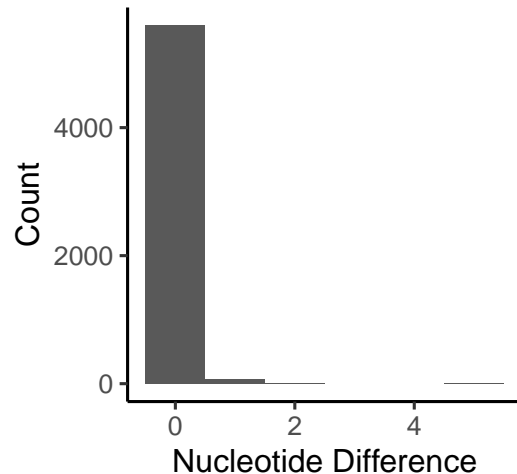
TRBV23-1\*ap01

1023 sequences assigned  
1014 (99.1%) exact matches, in which:  
989 unique CDR3  
13 unique J



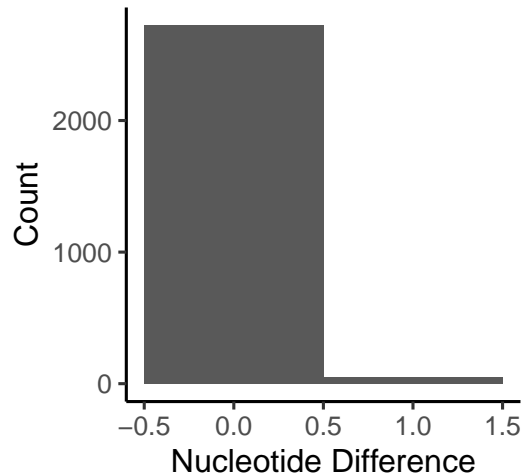
### TRBV3-12\*ap01

5669 sequences assigned  
5597 (98.7%) exact matches, in which:  
5478 unique CDR3  
13 unique J



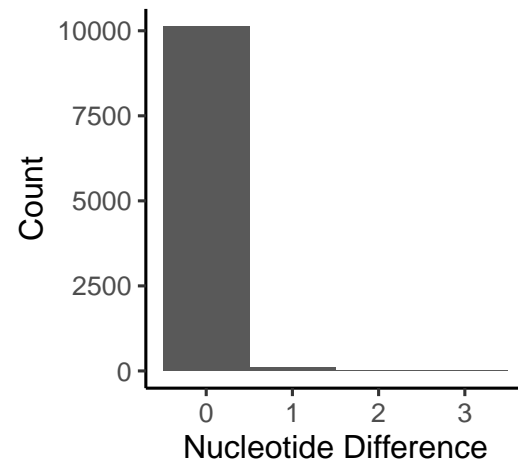
### TRBV4-2\*ap01

2773 sequences assigned  
2723 (98.2%) exact matches, in which:  
2677 unique CDR3  
13 unique J



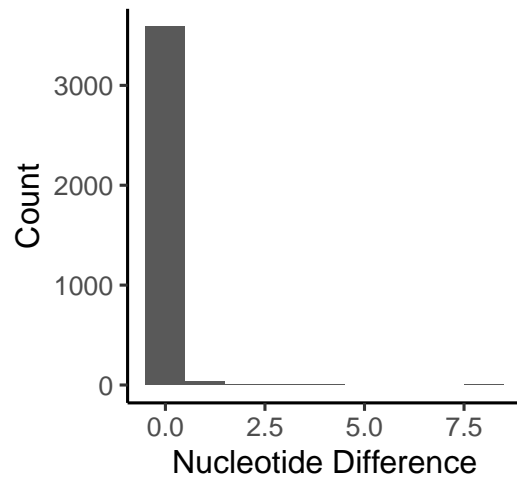
### TRBV5-1\*ap01

10259 sequences assigned  
10136 (98.8%) exact matches, in which:  
9858 unique CDR3  
13 unique J



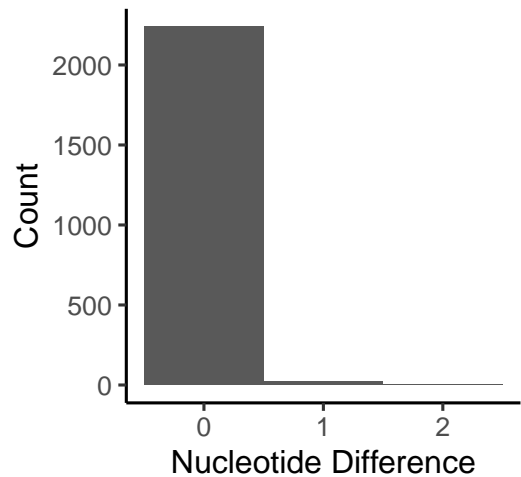
### TRBV24-1\*ap01

3634 sequences assigned  
3587 (98.7%) exact matches, in which:  
3543 unique CDR3  
13 unique J



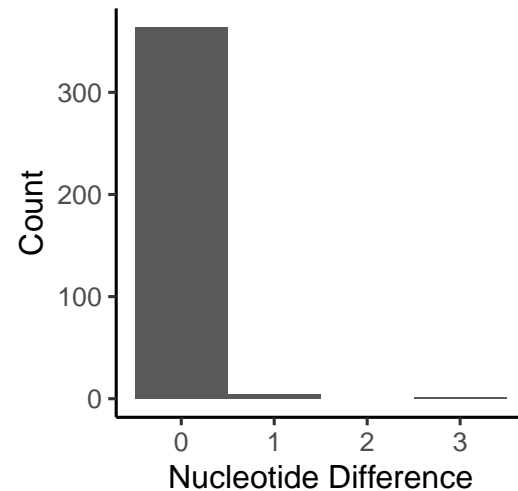
### TRBV4-3\*ap01

2265 sequences assigned  
2239 (98.9%) exact matches, in which:  
2207 unique CDR3  
13 unique J



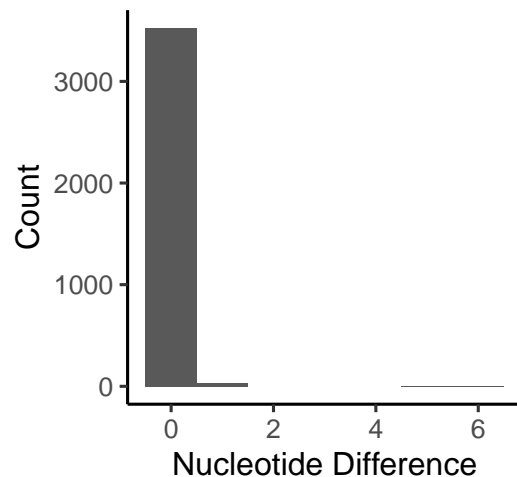
### TRBV5-3\*ap01

369 sequences assigned  
364 (98.6%) exact matches, in which:  
357 unique CDR3  
13 unique J



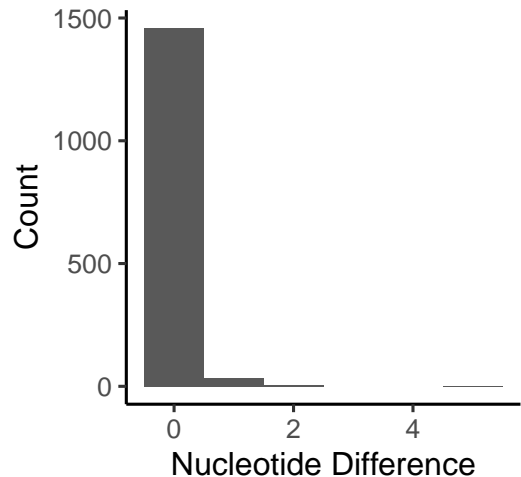
### TRBV4-1\*ap01

3558 sequences assigned  
3525 (99.1%) exact matches, in which:  
3465 unique CDR3  
13 unique J



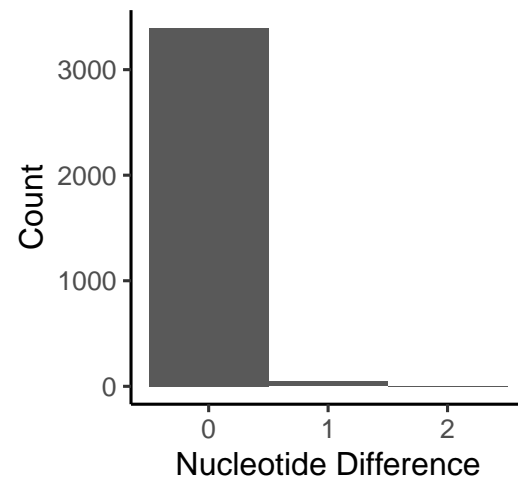
### TRBV25-1\*ap01

1499 sequences assigned  
1459 (97.3%) exact matches, in which:  
1428 unique CDR3  
13 unique J



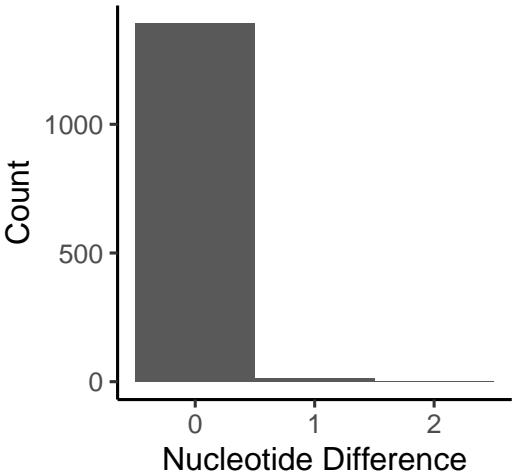
### TRBV5-4\*ap01

3442 sequences assigned  
3394 (98.6%) exact matches, in which:  
3331 unique CDR3  
13 unique J



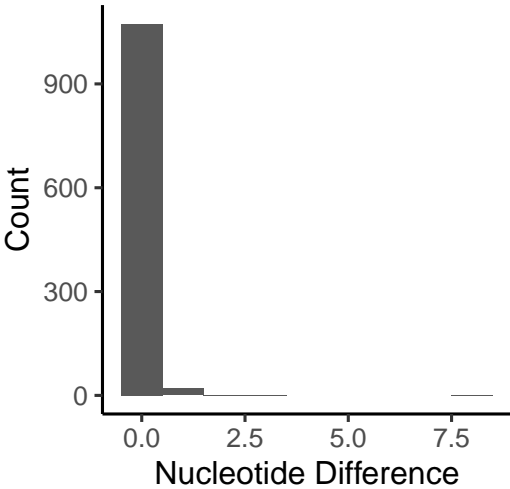
TRBV5-5\*ap01

1408 sequences assigned  
1392 (98.9%) exact matches, in which:  
1365 unique CDR3  
13 unique J



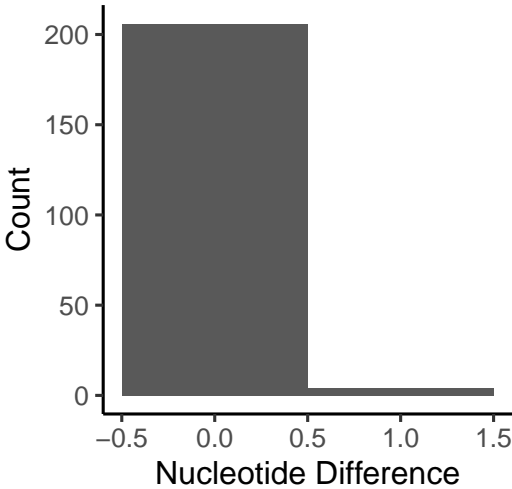
TRBV5-8\*ap01

1098 sequences assigned  
1074 (97.8%) exact matches, in which:  
1051 unique CDR3  
13 unique J



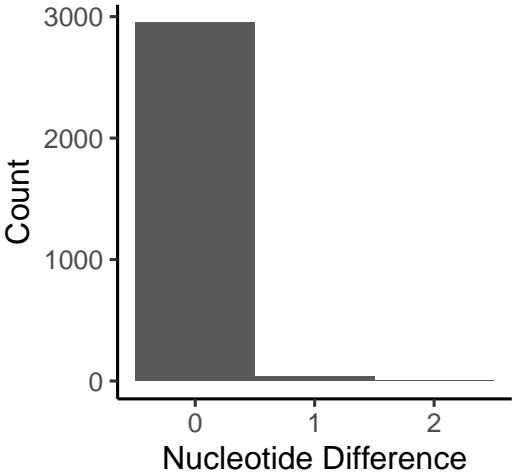
TRBV6-7\*ap01

210 sequences assigned  
206 (98.1%) exact matches, in which:  
202 unique CDR3  
12 unique J



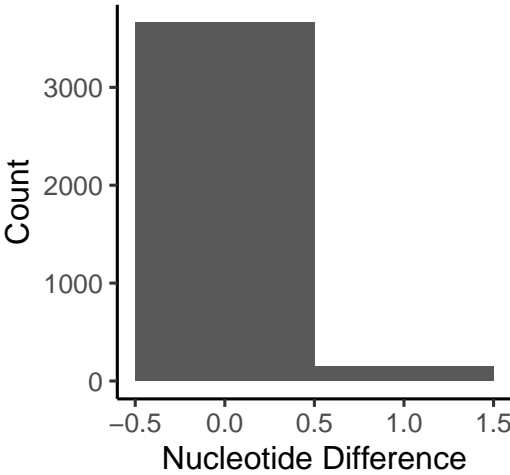
TRBV5-6\*ap01

2991 sequences assigned  
2950 (98.6%) exact matches, in which:  
2878 unique CDR3  
13 unique J



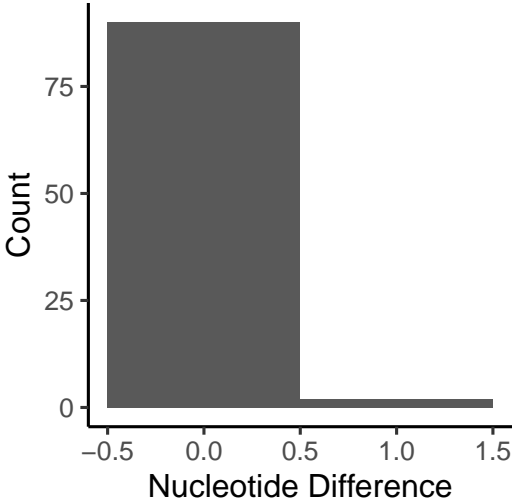
TRBV6-1\*ap01

3805 sequences assigned  
3660 (96.2%) exact matches, in which:  
3579 unique CDR3  
13 unique J



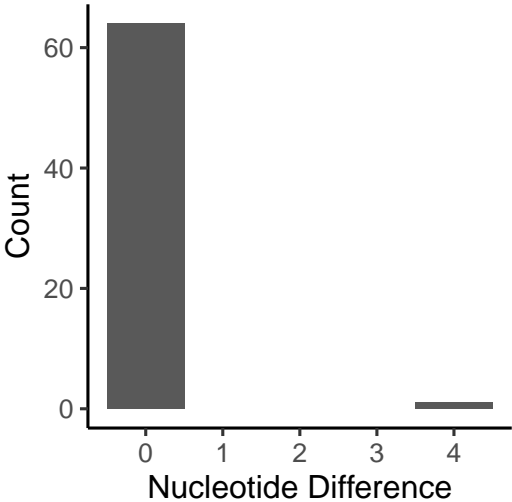
TRBV6-8\*ap01

92 sequences assigned  
90 (97.8%) exact matches, in which:  
89 unique CDR3  
12 unique J



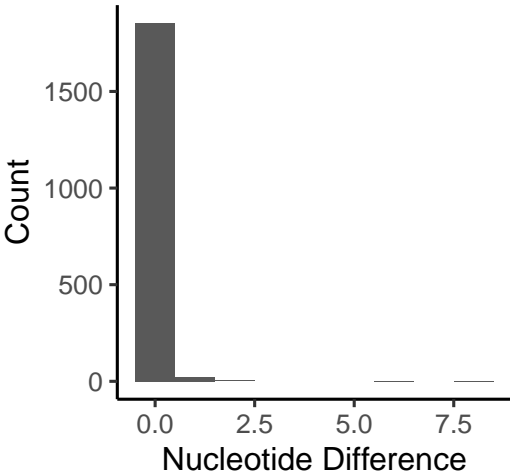
TRBV5-7\*ap01

65 sequences assigned  
64 (98.5%) exact matches, in which:  
63 unique CDR3  
12 unique J



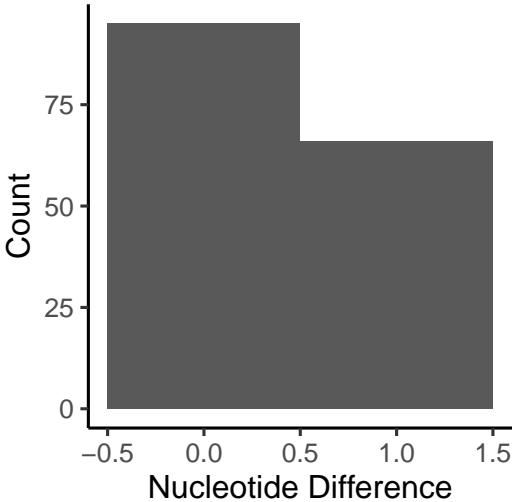
TRBV6-4\*ap01

1882 sequences assigned  
1854 (98.5%) exact matches, in which:  
1812 unique CDR3  
13 unique J



TRBV6-9\*ap01

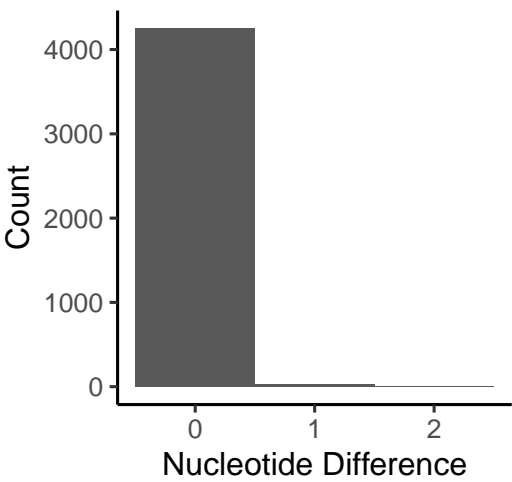
161 sequences assigned  
95 (59%) exact matches, in which:  
93 unique CDR3  
13 unique J





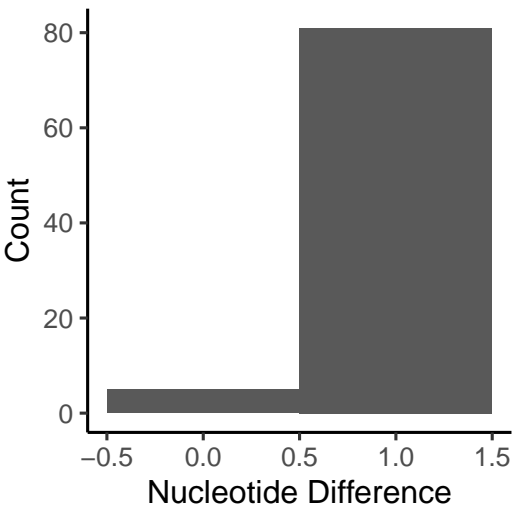
TRBV6-23\*ap01

4279 sequences assigned  
4251 (99.3%) exact matches, in which:  
4182 unique CDR3  
13 unique J



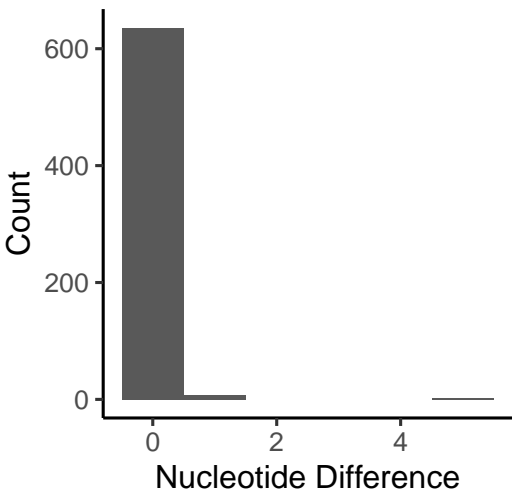
TRBV7-1\*ap01\_T296C

86 sequences assigned  
5 (5.8%) exact matches, in which:  
5 unique CDR3  
4 unique J



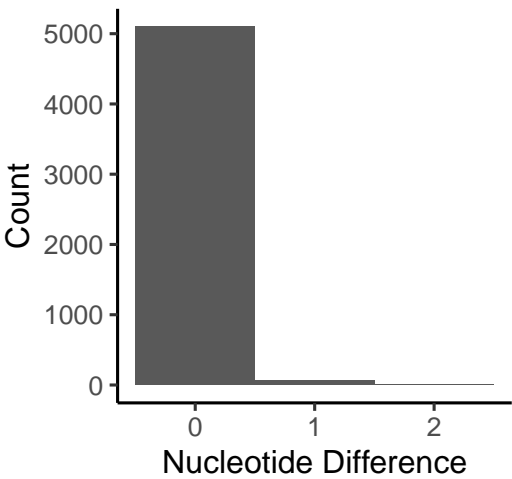
TRBV7-3\*ap03

645 sequences assigned  
636 (98.6%) exact matches, in which:  
624 unique CDR3  
13 unique J



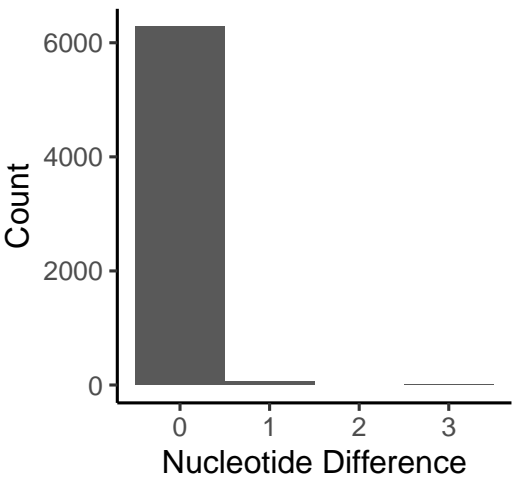
TRBV6-56\*ap01

5169 sequences assigned  
5099 (98.6%) exact matches, in which:  
5002 unique CDR3  
13 unique J



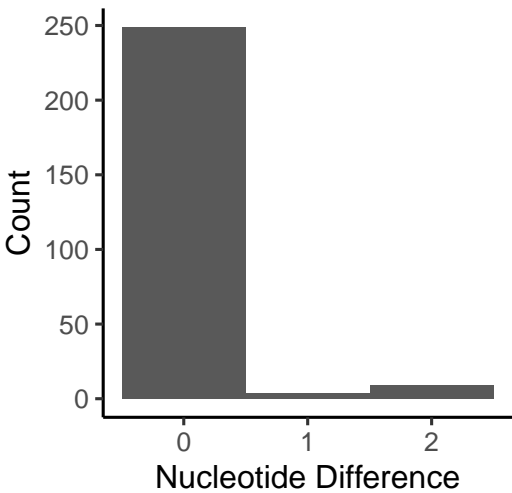
TRBV7-2\*ap01

6338 sequences assigned  
6281 (99.1%) exact matches, in which:  
6143 unique CDR3  
13 unique J



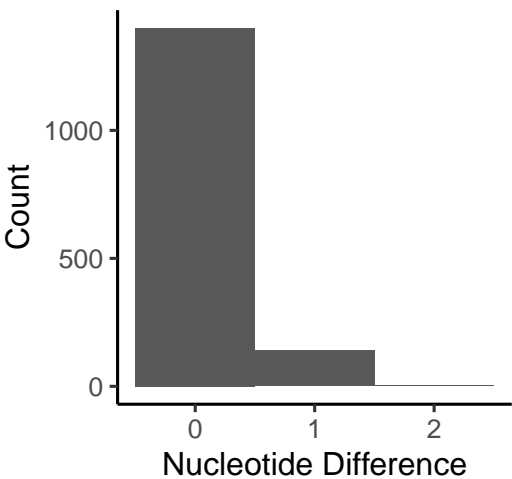
TRBV7-4\*ap01

262 sequences assigned  
249 (95%) exact matches, in which:  
242 unique CDR3  
13 unique J



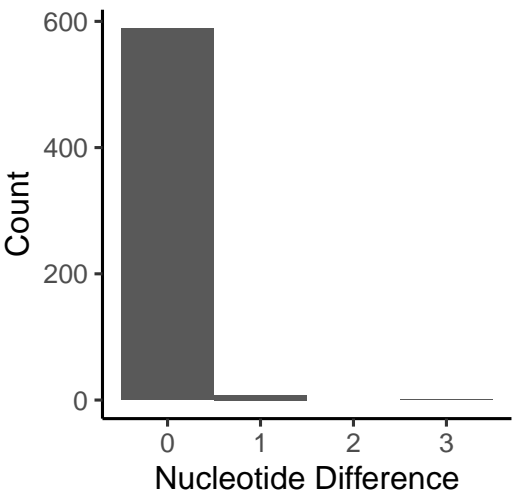
TRBV6-56\*ap02

1543 sequences assigned  
1400 (90.7%) exact matches, in which:  
1377 unique CDR3  
13 unique J



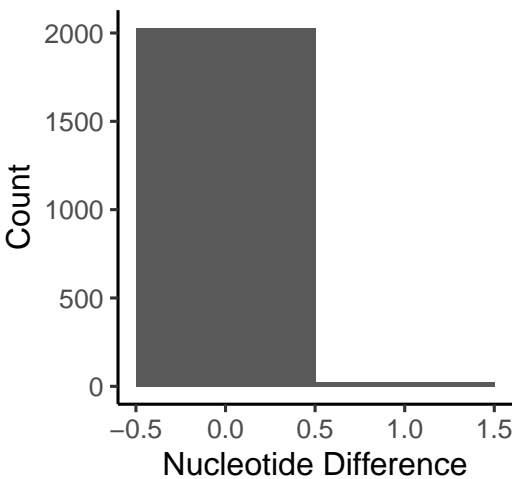
TRBV7-3\*ap02

598 sequences assigned  
589 (98.5%) exact matches, in which:  
582 unique CDR3  
13 unique J



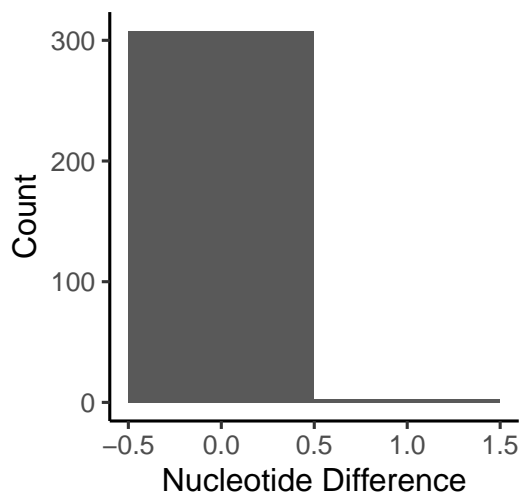
TRBV7-6\*ap01

2052 sequences assigned  
2028 (98.8%) exact matches, in which:  
1986 unique CDR3  
13 unique J



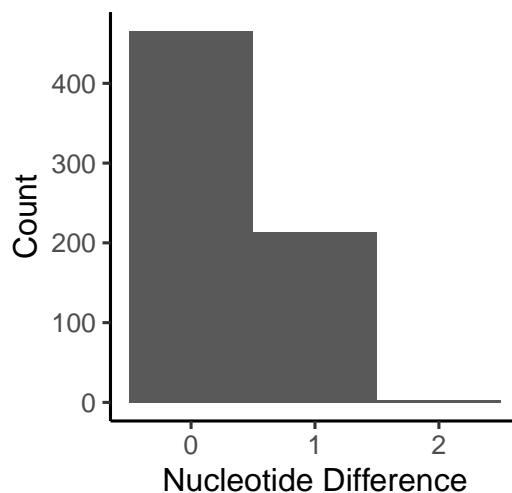
### TRBV7-7\*ap01

311 sequences assigned  
308 (99%) exact matches, in which:  
305 unique CDR3  
13 unique J



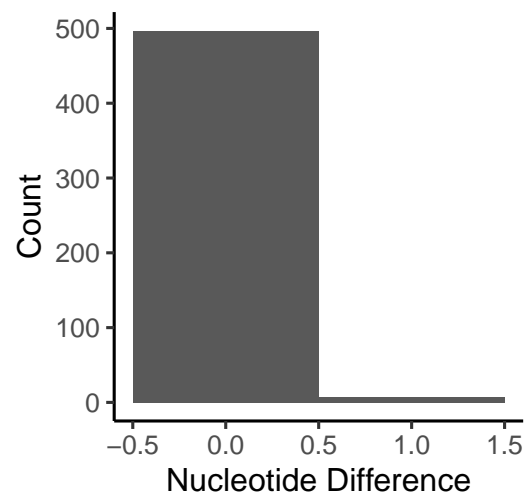
### TRBV7-8\*ap03

683 sequences assigned  
466 (68.2%) exact matches, in which:  
457 unique CDR3  
13 unique J



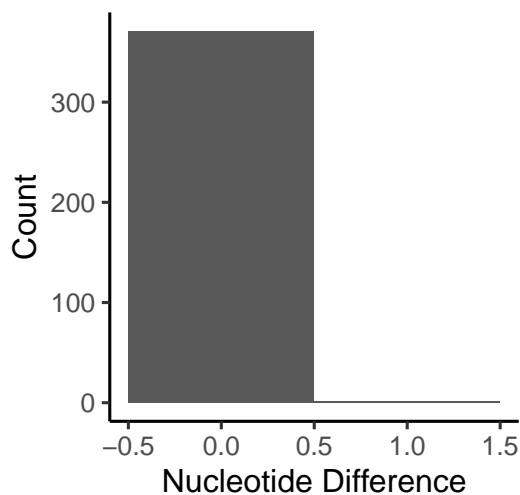
### TRBV29-1\*ap02

504 sequences assigned  
497 (98.6%) exact matches, in which:  
492 unique CDR3  
13 unique J



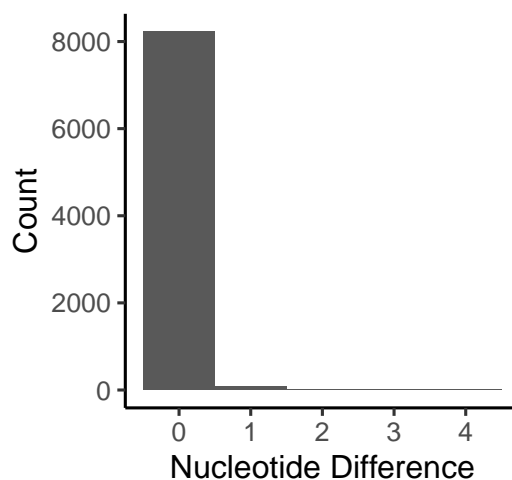
### TRBV7-7\*ap01\_C315T

373 sequences assigned  
371 (99.5%) exact matches, in which:  
366 unique CDR3  
13 unique J



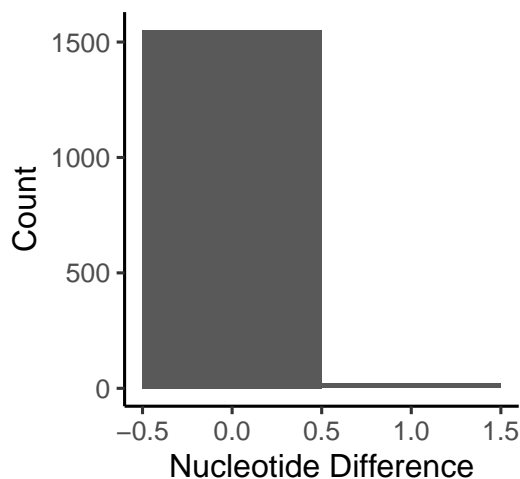
### TRBV7-9\*ap01

8310 sequences assigned  
8225 (99%) exact matches, in which:  
8096 unique CDR3  
13 unique J



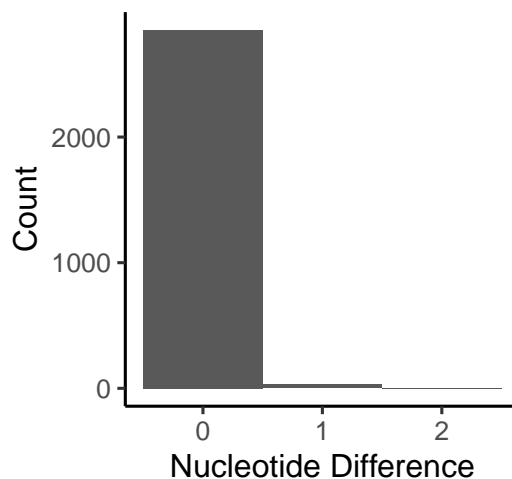
### TRBV7-8\*ap01

1573 sequences assigned  
1552 (98.7%) exact matches, in which:  
1511 unique CDR3  
13 unique J

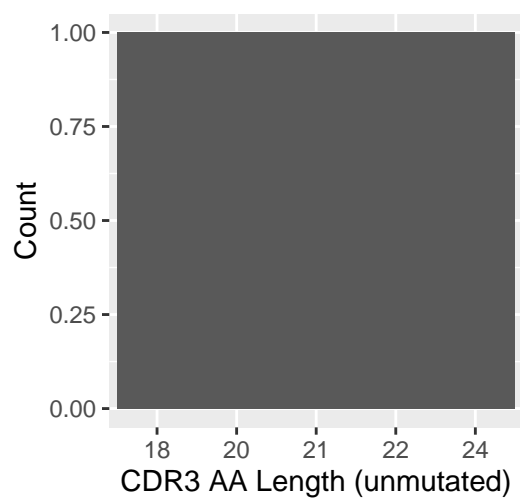


### TRBV29-1\*ap01

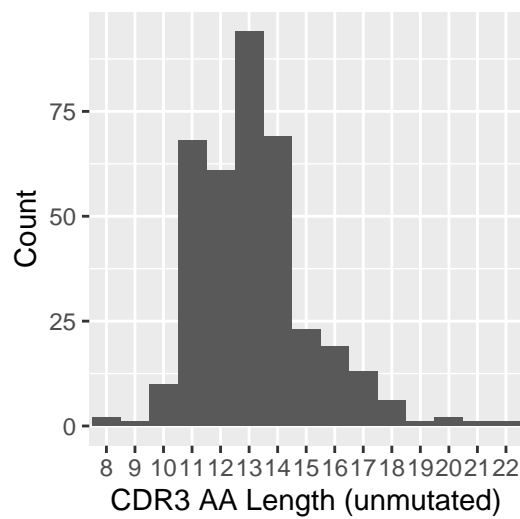
2883 sequences assigned  
2852 (98.9%) exact matches, in which:  
2808 unique CDR3  
13 unique J



TRBV7-1\*ap01\_T296C



TRBV7-7\*ap01\_C315T





[illegible]