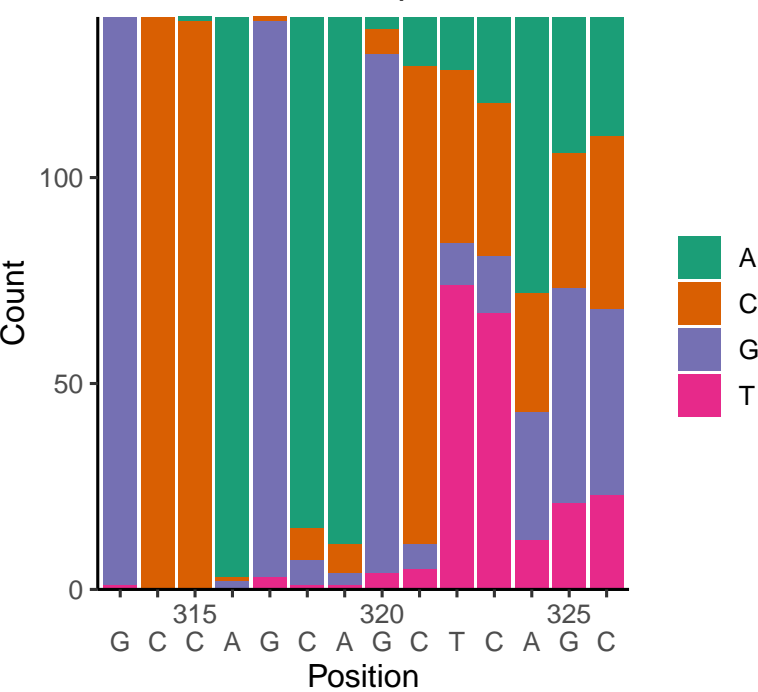
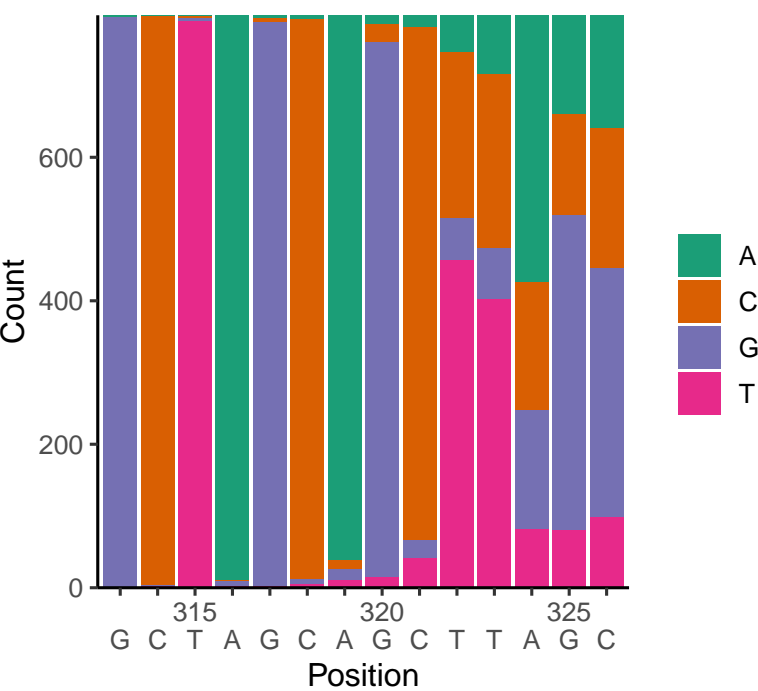


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



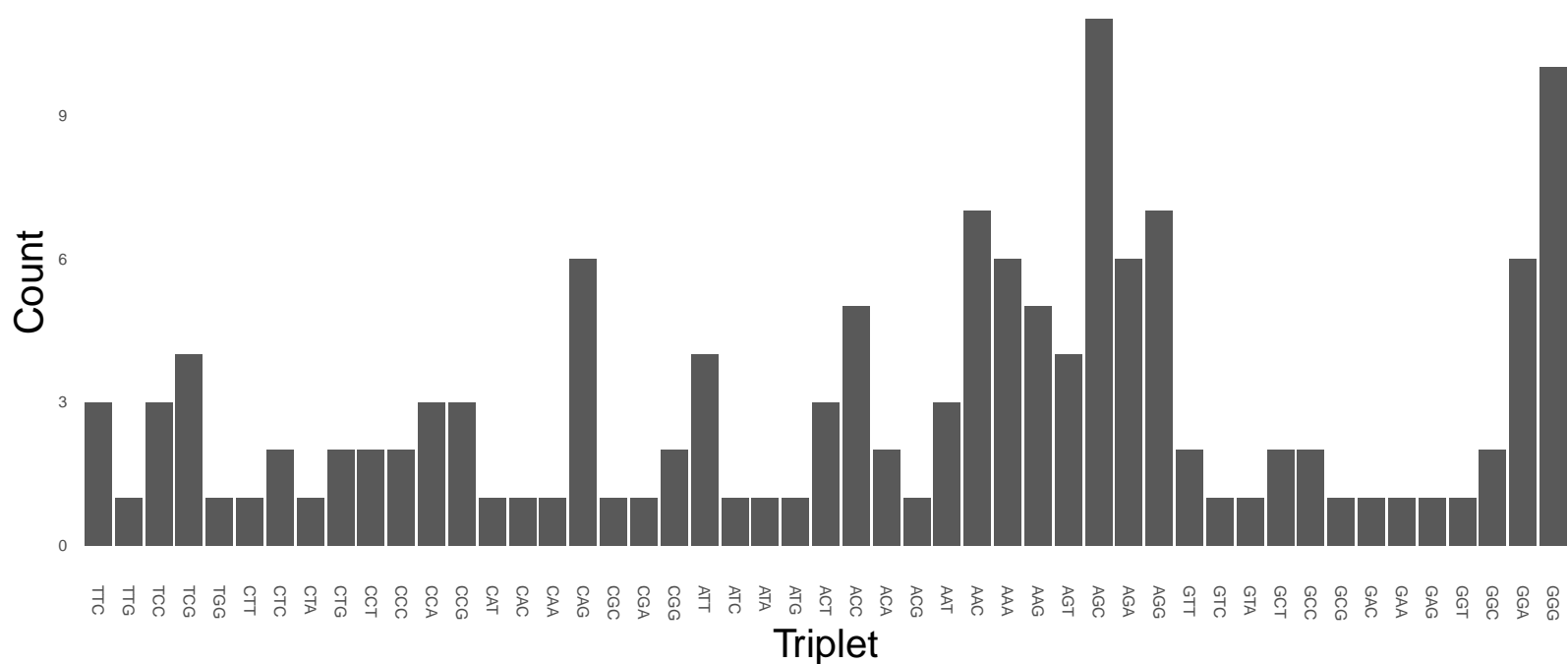
Gene TRBV7-1\*ap01\_G291C\_T296C



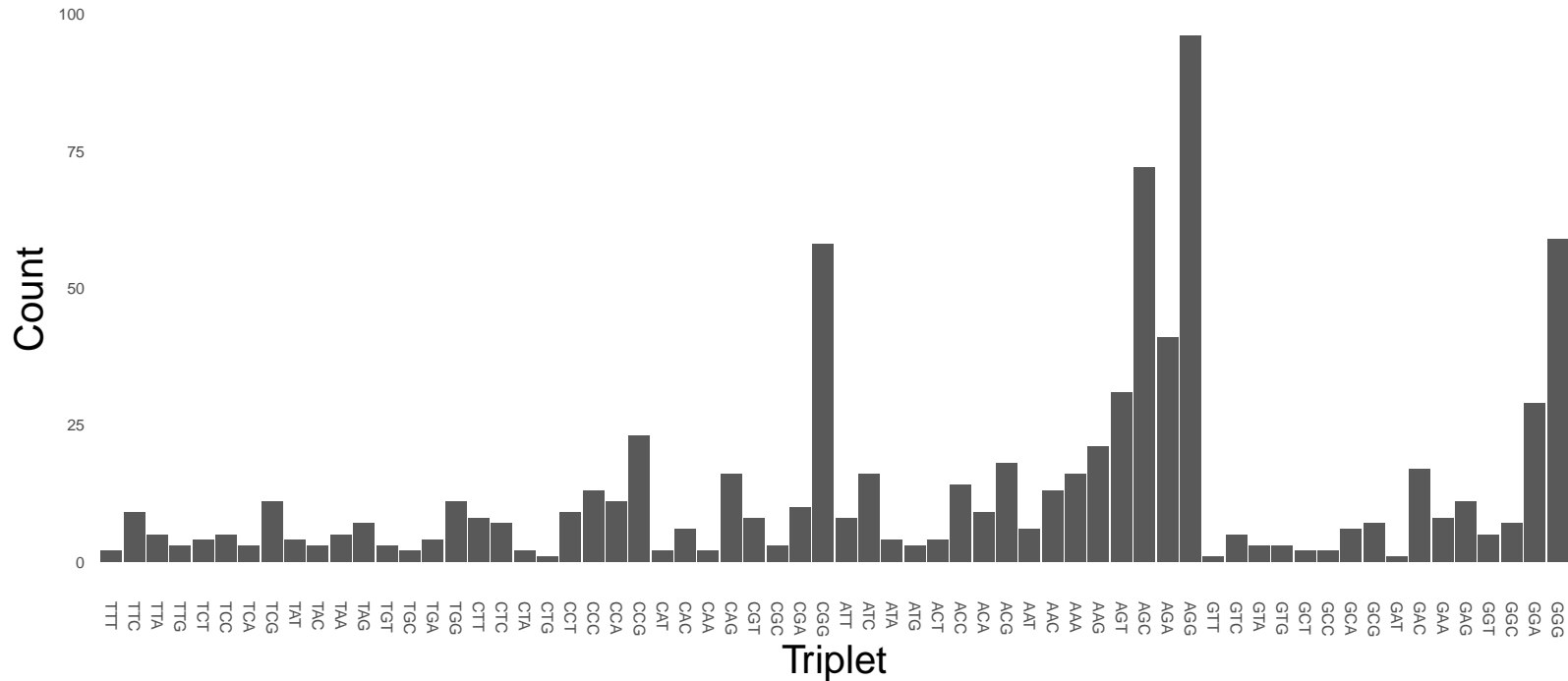
Gene TRBV7-7\*ap01\_C315T



TRBV7-1\*ap01\_G291C\_T296C- Final 3 nucleotides as a triplet

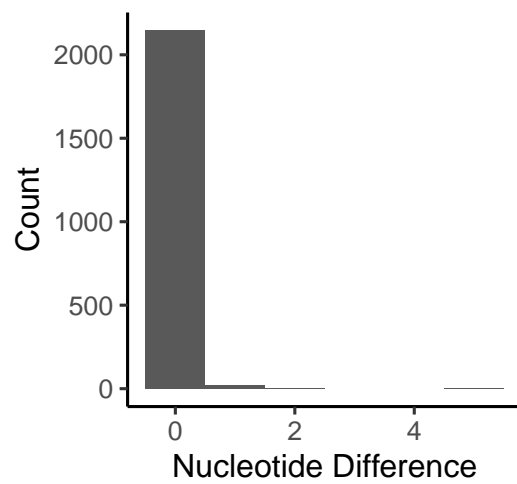


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



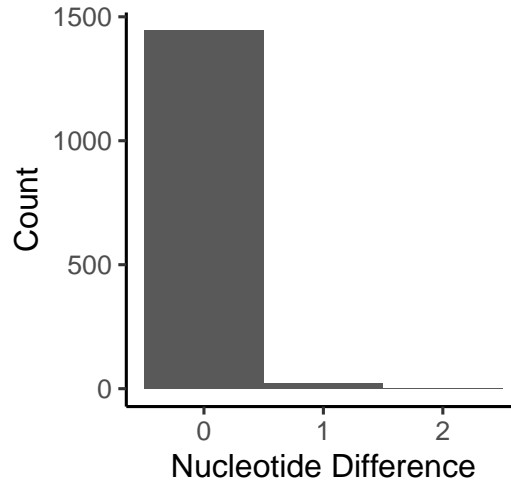
### TRBV10-1\*ap01

2169 sequences assigned  
2146 (98.9%) exact matches, in which:  
2066 unique CDR3  
13 unique J



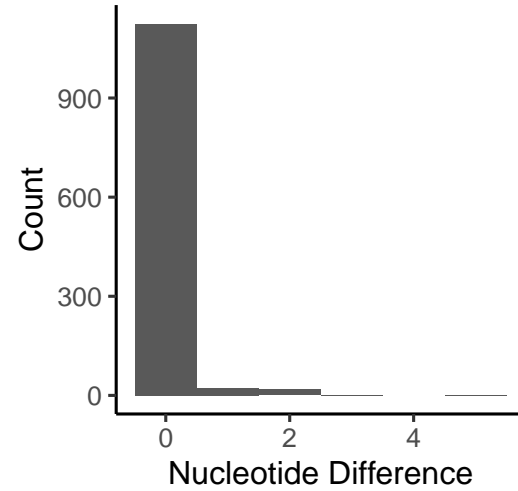
### TRBV10-2\*ap01

1468 sequences assigned  
1445 (98.4%) exact matches, in which:  
1398 unique CDR3  
13 unique J



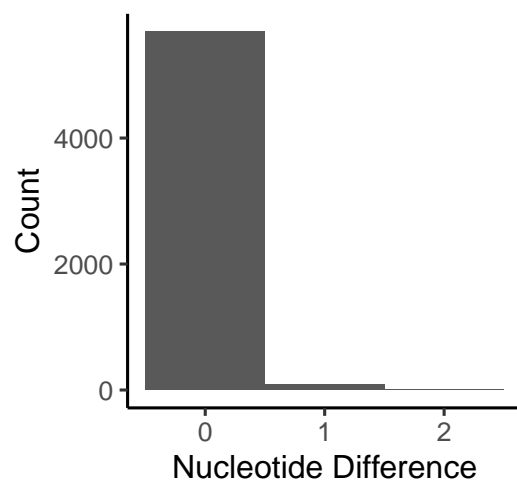
### TRBV13\*ap01

1168 sequences assigned  
1125 (96.3%) exact matches, in which:  
1084 unique CDR3  
13 unique J



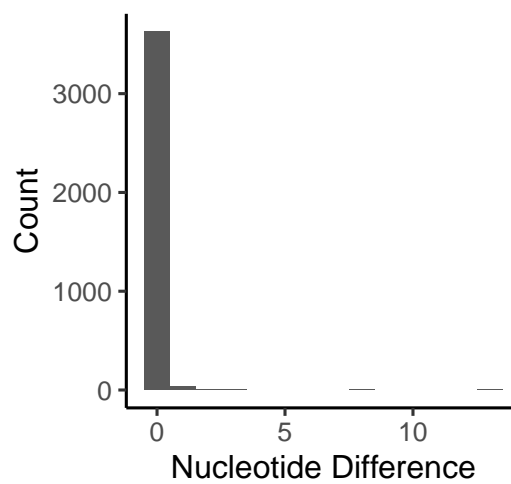
### TRBV20-1\*ap01

5778 sequences assigned  
5688 (98.4%) exact matches, in which:  
5548 unique CDR3  
13 unique J



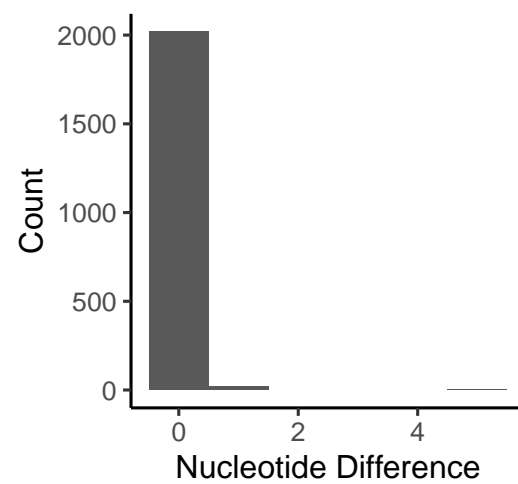
### TRBV10-3\*ap01

3667 sequences assigned  
3627 (98.9%) exact matches, in which:  
3523 unique CDR3  
13 unique J



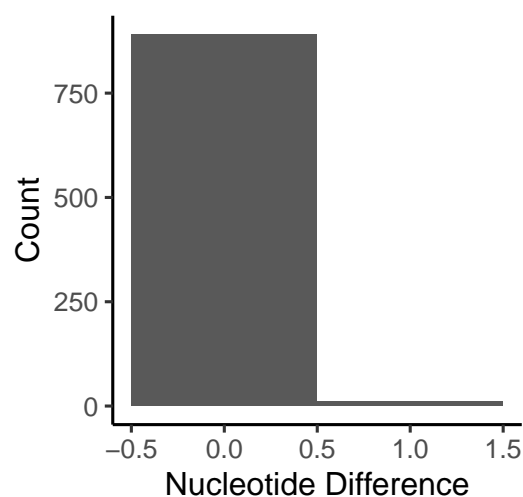
### TRBV14\*ap01

2042 sequences assigned  
2019 (98.9%) exact matches, in which:  
1952 unique CDR3  
13 unique J



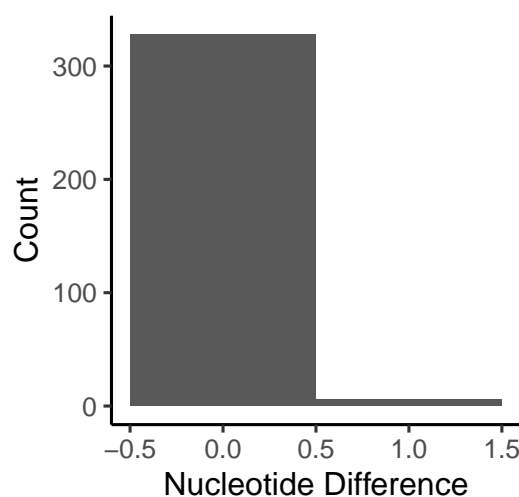
### TRBV20-1\*ap02

901 sequences assigned  
891 (98.9%) exact matches, in which:  
872 unique CDR3  
13 unique J



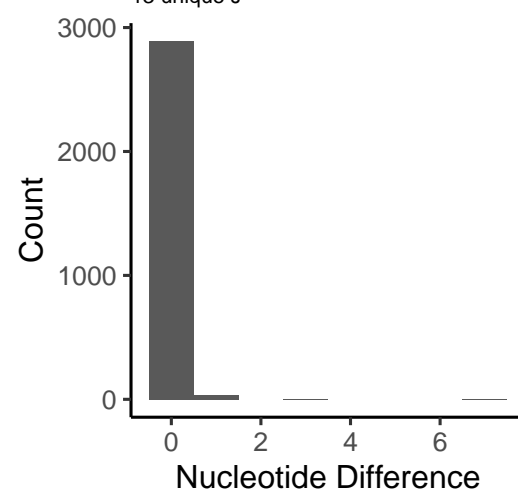
### TRBV1\*ap01

334 sequences assigned  
328 (98.2%) exact matches, in which:  
323 unique CDR3  
13 unique J



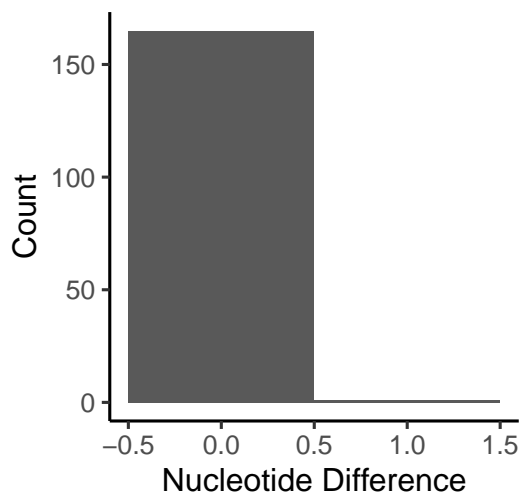
### TRBV15\*ap02

2928 sequences assigned  
2891 (98.7%) exact matches, in which:  
2802 unique CDR3  
13 unique J



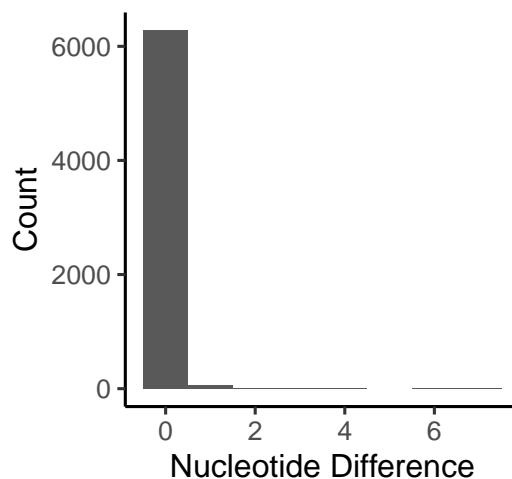
### TRBV16\*ap01

166 sequences assigned  
165 (99.4%) exact matches, in which:  
163 unique CDR3  
12 unique J



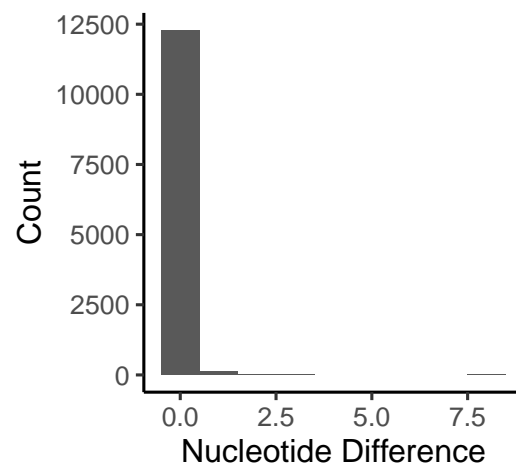
### TRBV2\*ap01

6356 sequences assigned  
6279 (98.8%) exact matches, in which:  
6111 unique CDR3  
13 unique J



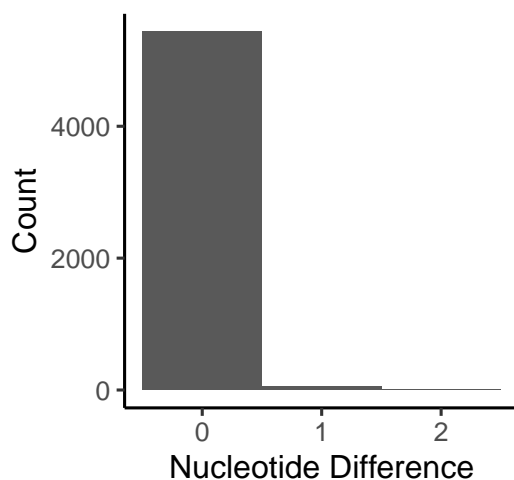
### TRBV28\*ap01

12437 sequences assigned  
12287 (98.8%) exact matches, in which:  
11982 unique CDR3  
13 unique J



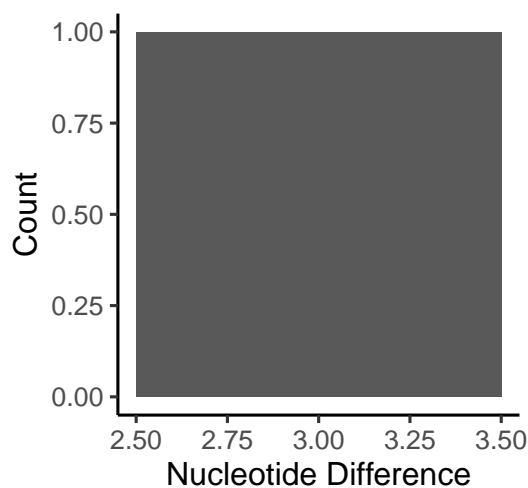
### TRBV18\*ap01

5488 sequences assigned  
5434 (99%) exact matches, in which:  
5313 unique CDR3  
13 unique J



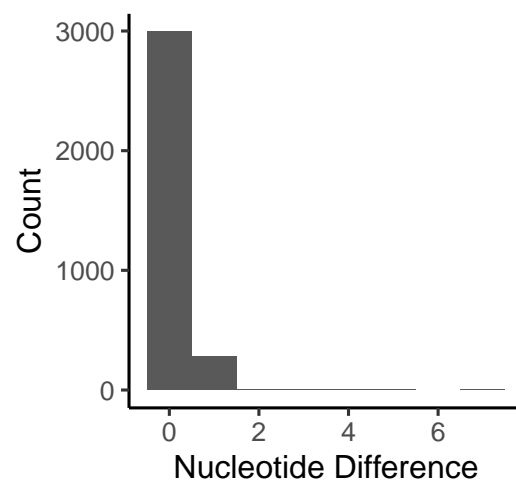
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



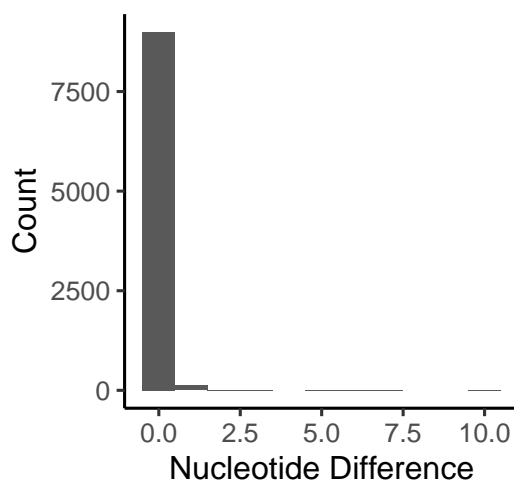
### TRBV30\*ap01

3284 sequences assigned  
2994 (91.2%) exact matches, in which:  
2894 unique CDR3  
14 unique J



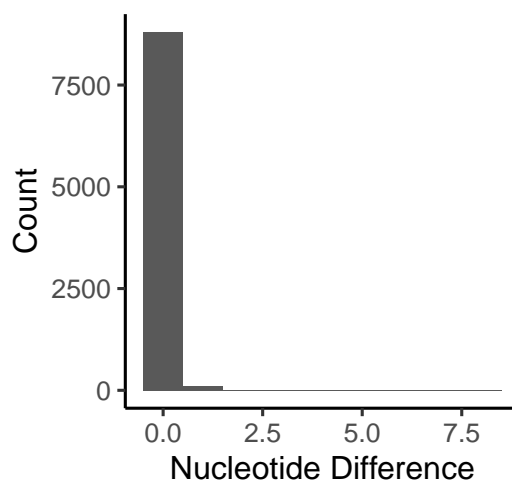
### TRBV19\*ap01

9124 sequences assigned  
8993 (98.6%) exact matches, in which:  
8831 unique CDR3  
13 unique J



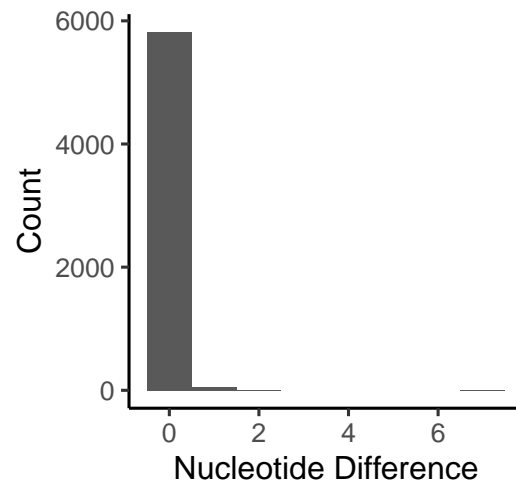
### TRBV27\*ap01

8923 sequences assigned  
8802 (98.6%) exact matches, in which:  
8511 unique CDR3  
13 unique J



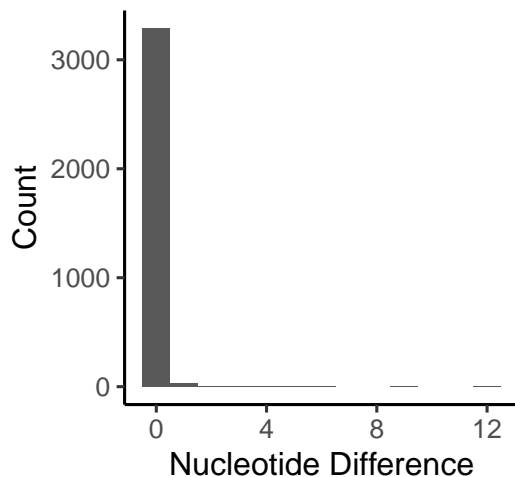
### TRBV9\*ap01

5882 sequences assigned  
5818 (98.9%) exact matches, in which:  
5675 unique CDR3  
13 unique J



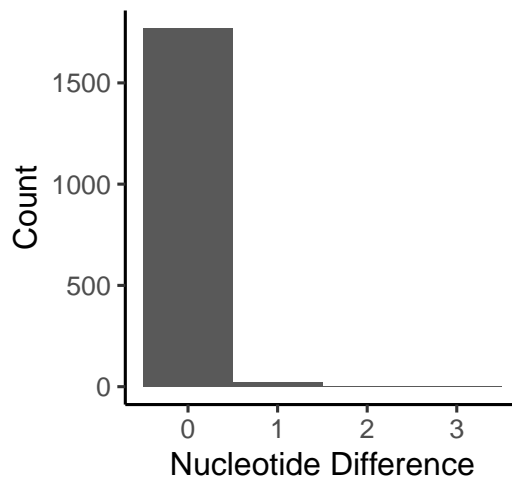
### TRBV21-1\*ap01

3338 sequences assigned  
3288 (98.5%) exact matches, in which:  
3211 unique CDR3  
13 unique J



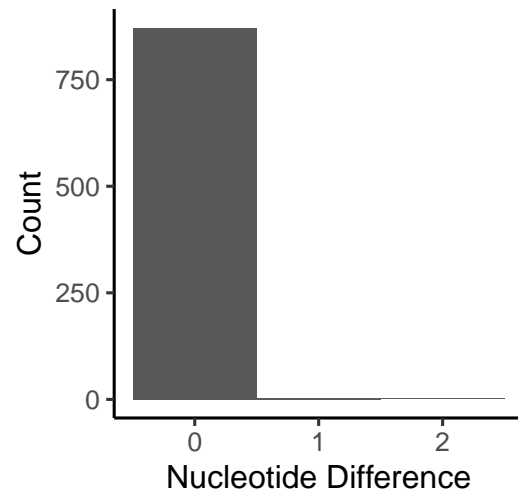
### TRBV11-3\*ap01

1793 sequences assigned  
1769 (98.7%) exact matches, in which:  
1749 unique CDR3  
14 unique J



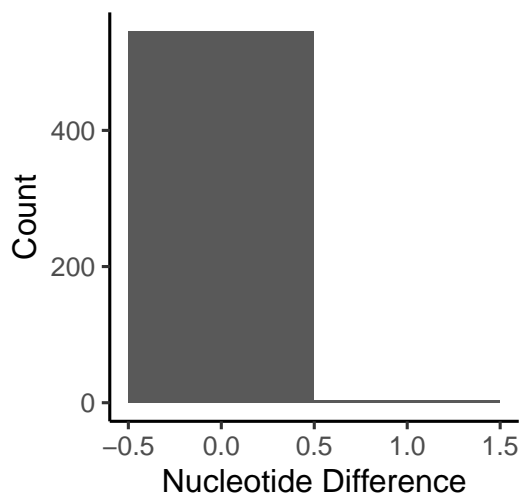
### TRBV12-5\*ap01

878 sequences assigned  
872 (99.3%) exact matches, in which:  
853 unique CDR3  
13 unique J



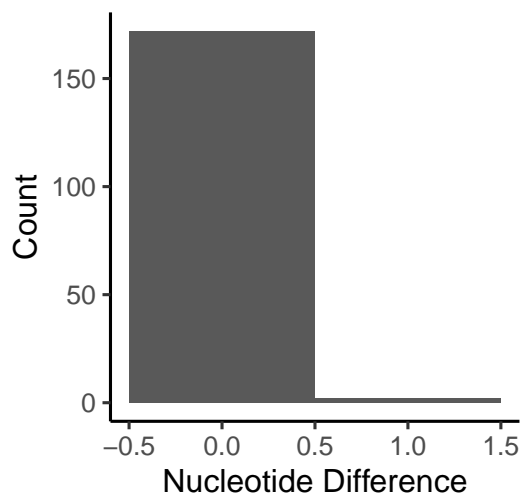
### TRBV11-1\*ap01

549 sequences assigned  
546 (99.5%) exact matches, in which:  
540 unique CDR3  
13 unique J



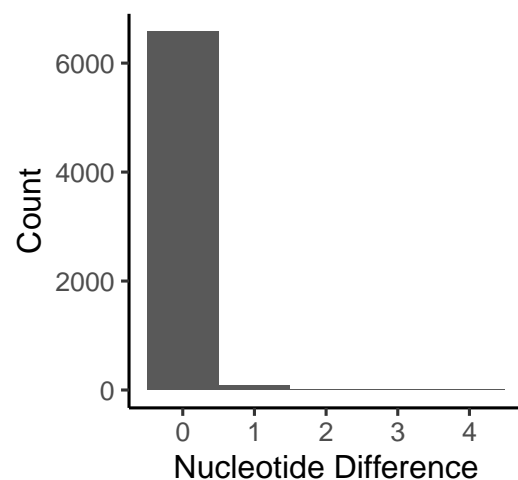
### TRBV12-1\*ap01

174 sequences assigned  
172 (98.9%) exact matches, in which:  
168 unique CDR3  
13 unique J



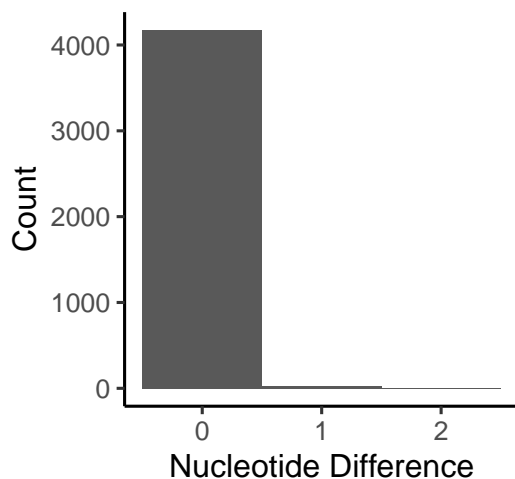
### TRBV12-34\*ap01

6655 sequences assigned  
6576 (98.8%) exact matches, in which:  
6395 unique CDR3  
13 unique J



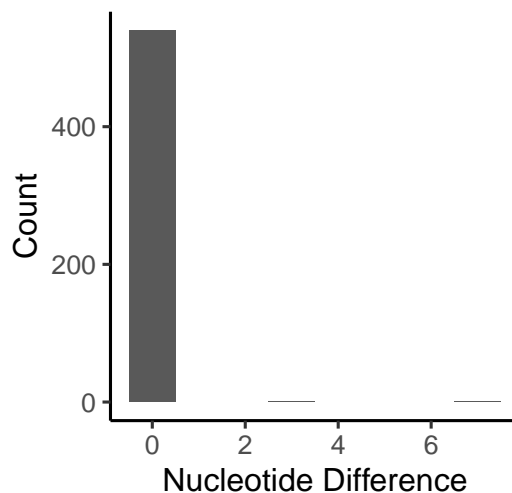
### TRBV11-2\*ap01

4200 sequences assigned  
4174 (99.4%) exact matches, in which:  
4103 unique CDR3  
13 unique J



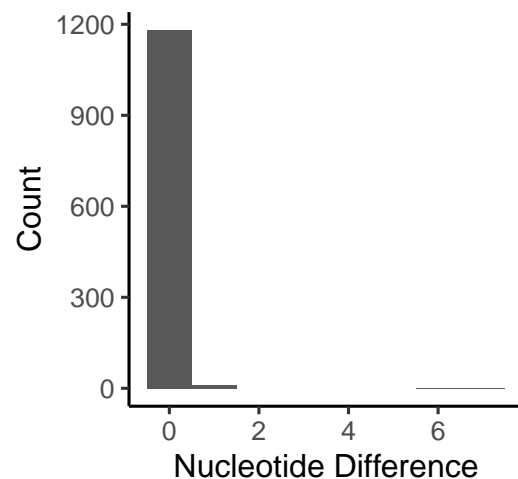
### TRBV12-2\*ap01

542 sequences assigned  
540 (99.6%) exact matches, in which:  
516 unique CDR3  
13 unique J



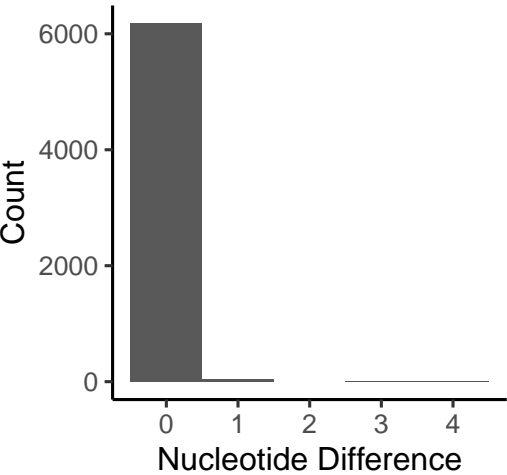
### TRBV23-1\*ap01

1193 sequences assigned  
1181 (99%) exact matches, in which:  
1150 unique CDR3  
13 unique J



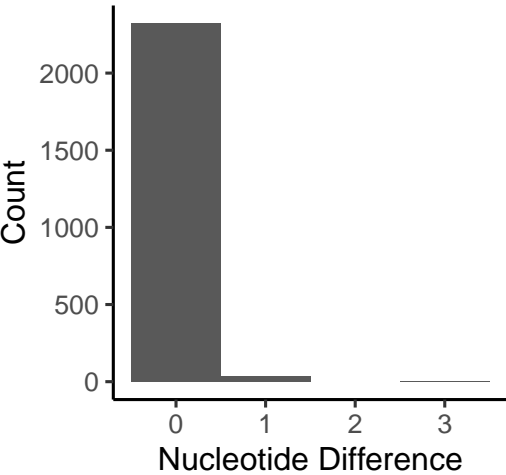
TRBV3-12\*ap01

6232 sequences assigned  
6179 (99.1%) exact matches, in which:  
6052 unique CDR3  
13 unique J



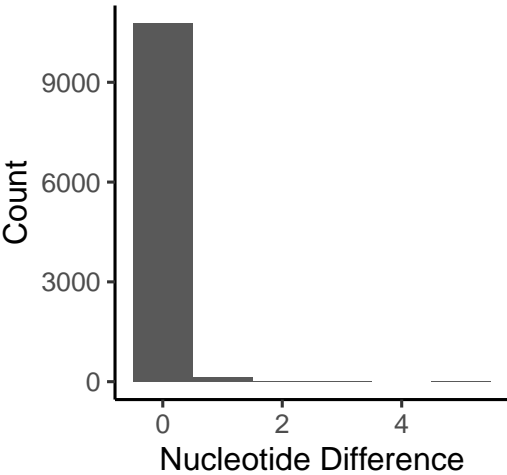
TRBV4-2\*ap01

2361 sequences assigned  
2322 (98.3%) exact matches, in which:  
2250 unique CDR3  
13 unique J



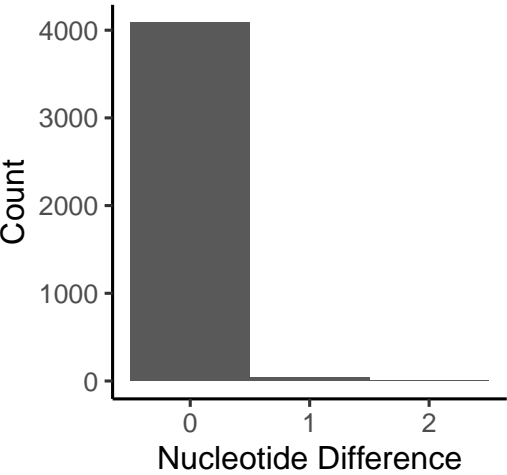
TRBV5-1\*ap01

10899 sequences assigned  
10770 (98.8%) exact matches, in which:  
10426 unique CDR3  
13 unique J



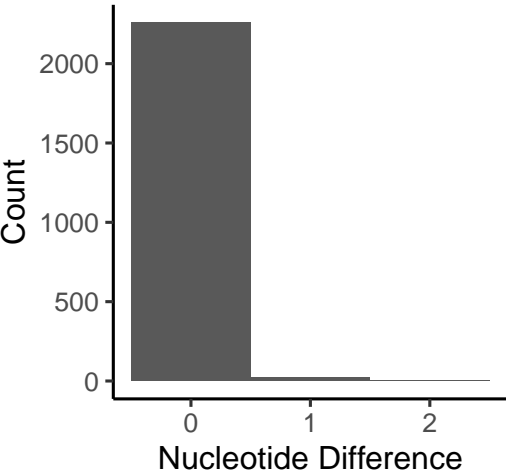
TRBV4-1\*ap01

4129 sequences assigned  
4085 (98.9%) exact matches, in which:  
3959 unique CDR3  
13 unique J



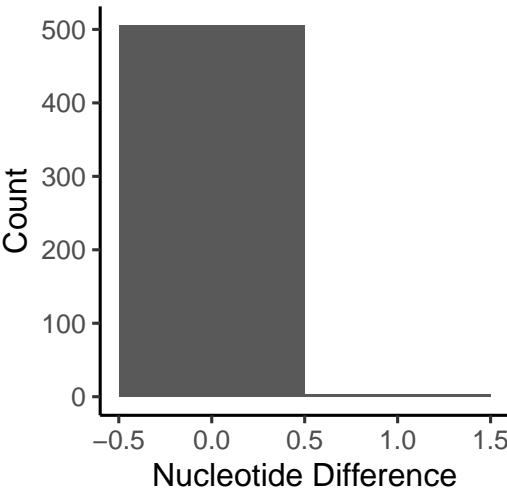
TRBV4-3\*ap01

2282 sequences assigned  
2258 (98.9%) exact matches, in which:  
2183 unique CDR3  
13 unique J



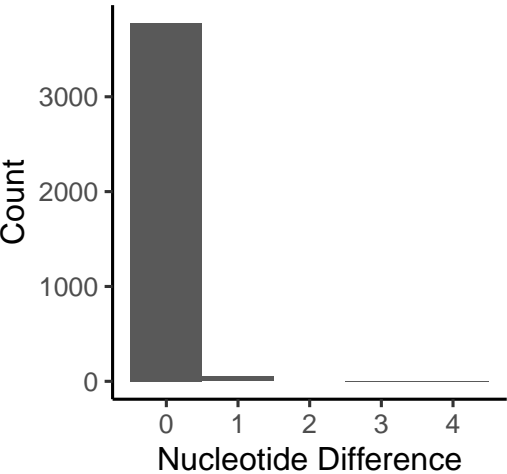
TRBV5-3\*ap01

510 sequences assigned  
506 (99.2%) exact matches, in which:  
492 unique CDR3  
13 unique J



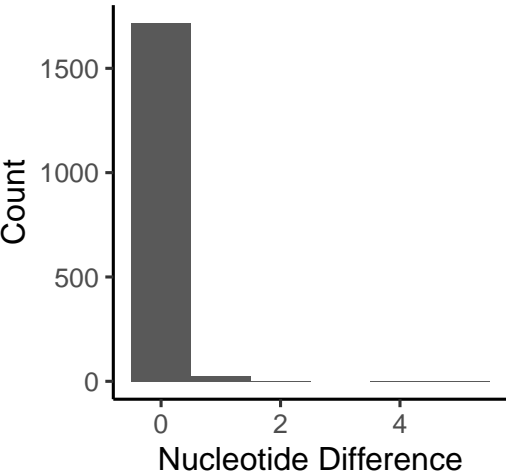
TRBV24-1\*ap01

3831 sequences assigned  
3777 (98.6%) exact matches, in which:  
3679 unique CDR3  
13 unique J



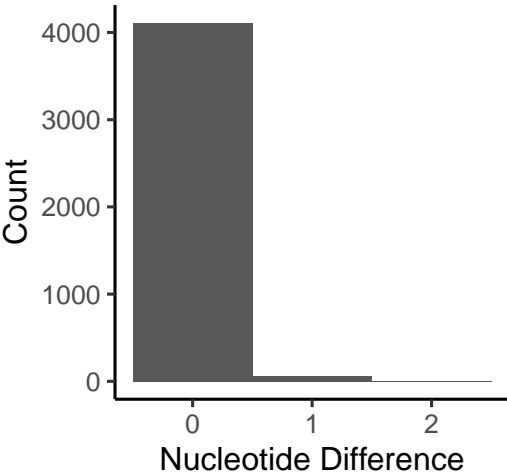
TRBV25-1\*ap01

1744 sequences assigned  
1717 (98.5%) exact matches, in which:  
1661 unique CDR3  
13 unique J



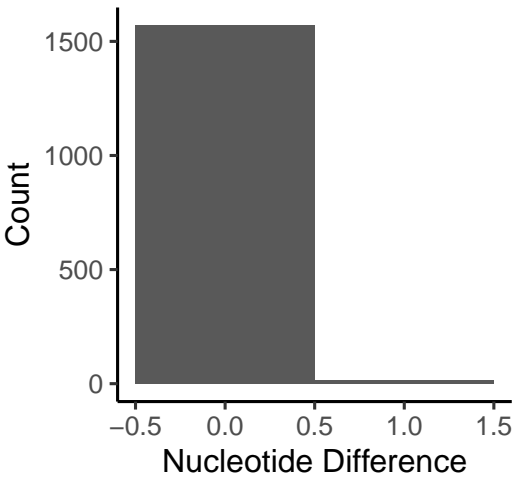
TRBV5-4\*ap01

4171 sequences assigned  
4108 (98.5%) exact matches, in which:  
3986 unique CDR3  
13 unique J



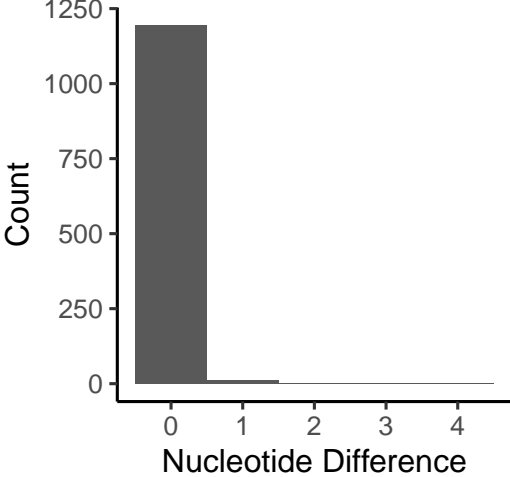
TRBV5-5\*ap01

1585 sequences assigned  
1570 (99.1%) exact matches, in which:  
1552 unique CDR3  
13 unique J



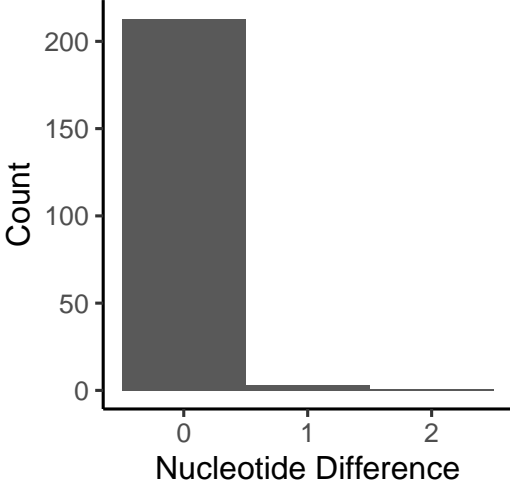
TRBV5-8\*ap01

1212 sequences assigned  
1194 (98.5%) exact matches, in which:  
1168 unique CDR3  
13 unique J



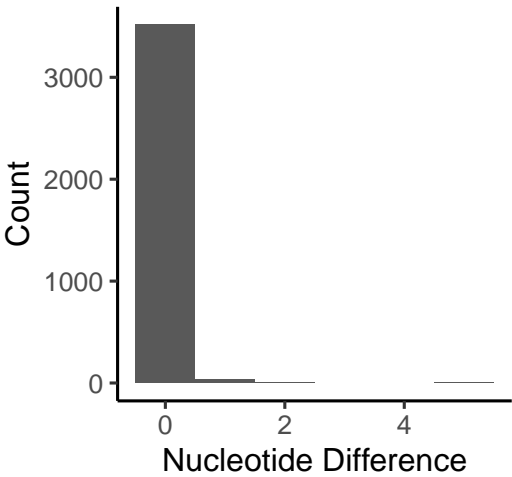
TRBV6-7\*ap01

217 sequences assigned  
213 (98.2%) exact matches, in which:  
206 unique CDR3  
13 unique J



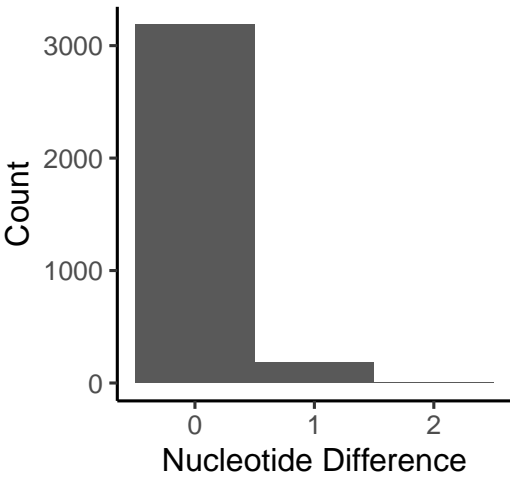
TRBV5-6\*ap01

3555 sequences assigned  
3516 (98.9%) exact matches, in which:  
3390 unique CDR3  
13 unique J



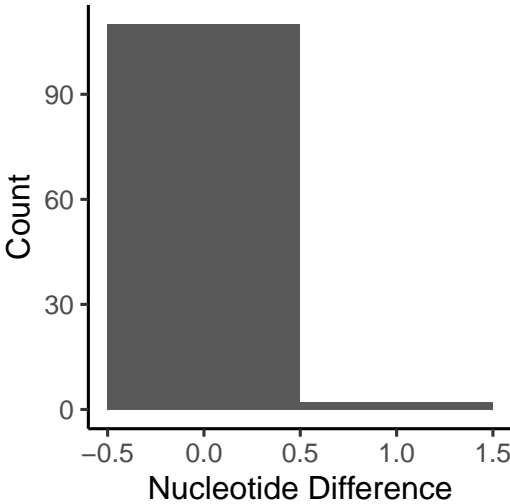
TRBV6-1\*ap01

3370 sequences assigned  
3186 (94.5%) exact matches, in which:  
3087 unique CDR3  
13 unique J



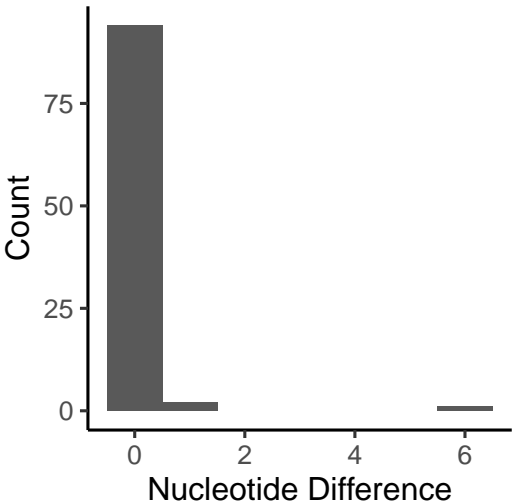
TRBV6-8\*ap01

112 sequences assigned  
110 (98.2%) exact matches, in which:  
105 unique CDR3  
13 unique J



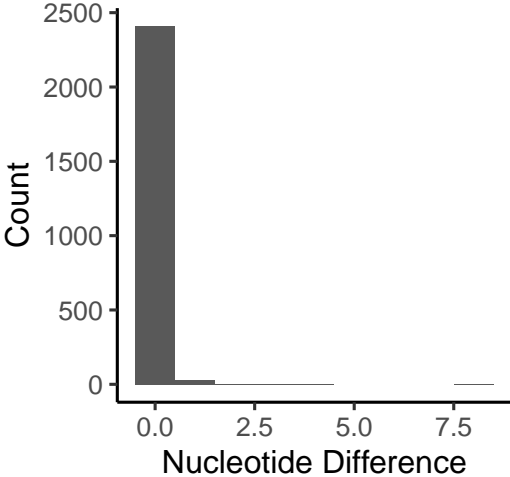
TRBV5-7\*ap01

97 sequences assigned  
94 (96.9%) exact matches, in which:  
89 unique CDR3  
12 unique J



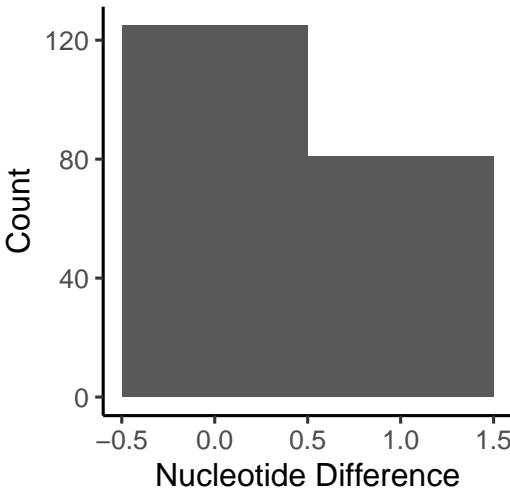
TRBV6-4\*ap01

2447 sequences assigned  
2410 (98.5%) exact matches, in which:  
2345 unique CDR3  
13 unique J



TRBV6-9\*ap01

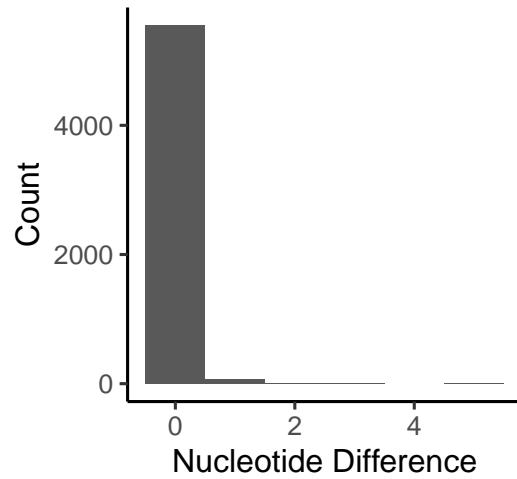
206 sequences assigned  
125 (60.7%) exact matches, in which:  
118 unique CDR3  
13 unique J





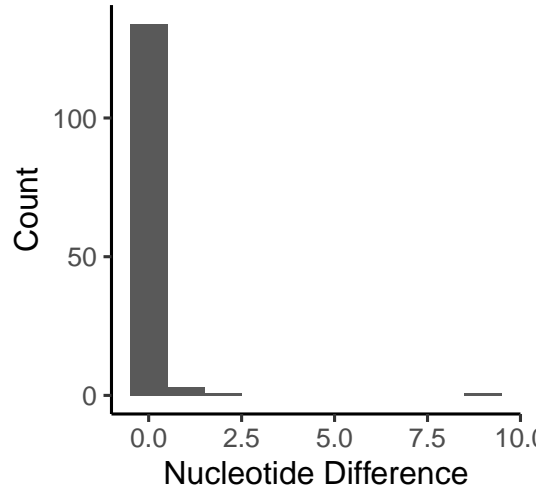
### TRBV6-23\*ap01

5627 sequences assigned  
5547 (98.6%) exact matches, in which:  
5366 unique CDR3  
13 unique J



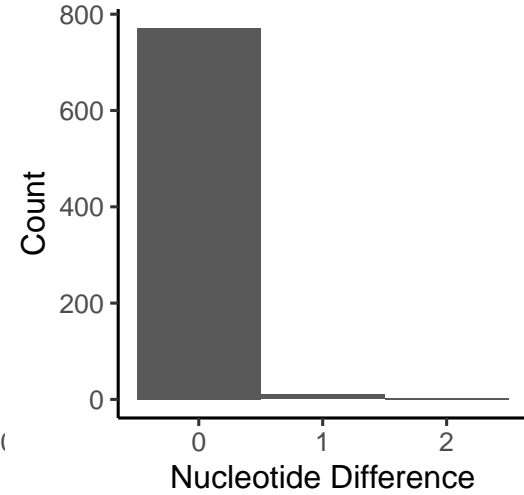
### TRBV7-1\*ap01\_G291C\_

139 sequences assigned  
134 (96.4%) exact matches, in which:  
129 unique CDR3  
13 unique J



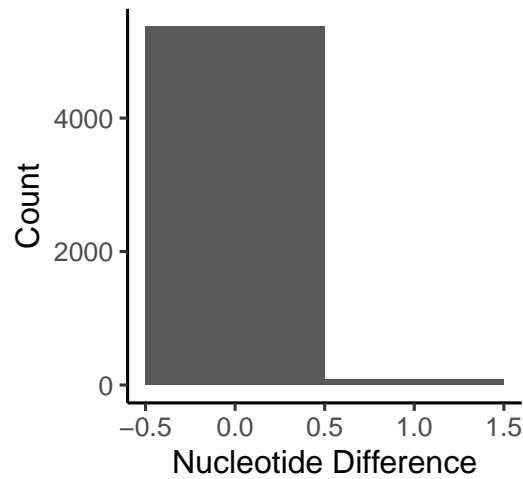
### TRBV7-3\*ap03

785 sequences assigned  
772 (98.3%) exact matches, in which:  
752 unique CDR3  
13 unique J



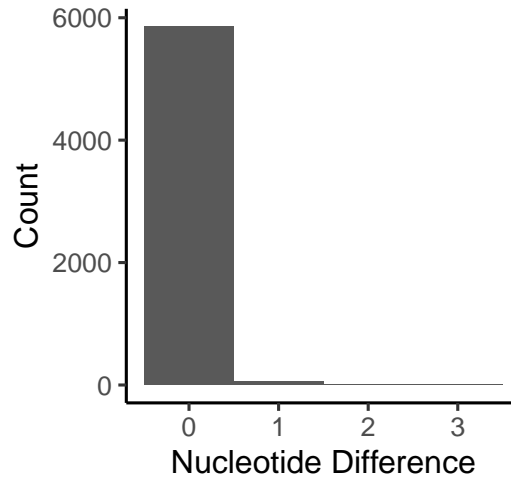
### TRBV6-56\*ap01

5448 sequences assigned  
5369 (98.5%) exact matches, in which:  
5192 unique CDR3  
13 unique J



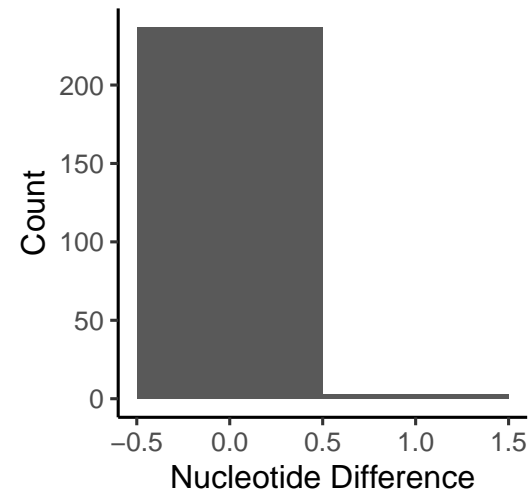
### TRBV7-2\*ap01

5911 sequences assigned  
5853 (99%) exact matches, in which:  
5691 unique CDR3  
13 unique J



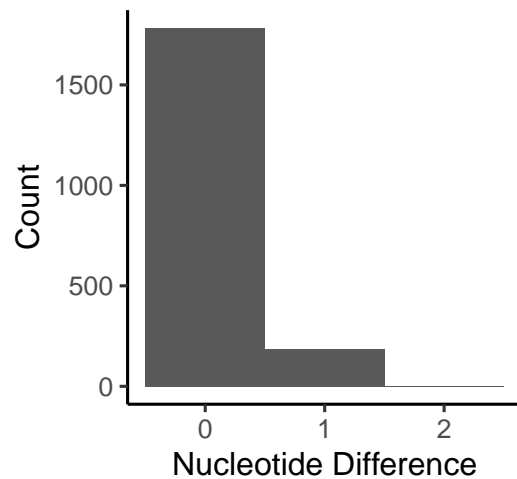
### TRBV7-4\*ap01

240 sequences assigned  
237 (98.8%) exact matches, in which:  
227 unique CDR3  
13 unique J



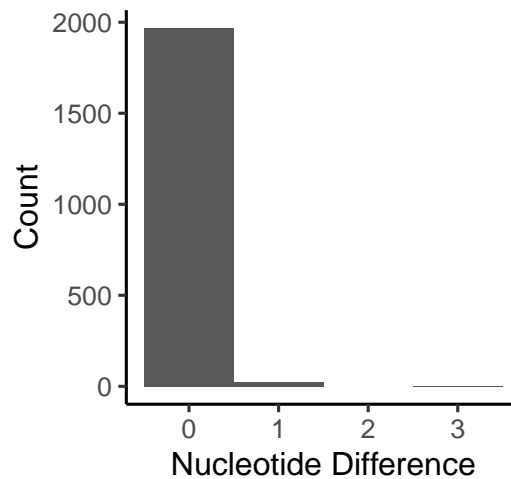
### TRBV6-56\*ap02

1971 sequences assigned  
1783 (90.5%) exact matches, in which:  
1720 unique CDR3  
13 unique J



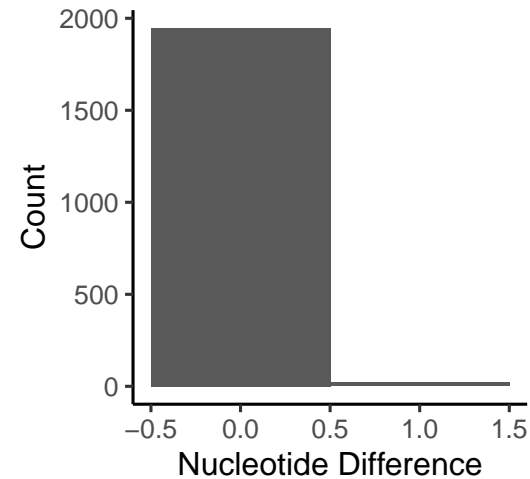
### TRBV7-3\*ap01

1993 sequences assigned  
1968 (98.7%) exact matches, in which:  
1933 unique CDR3  
13 unique J



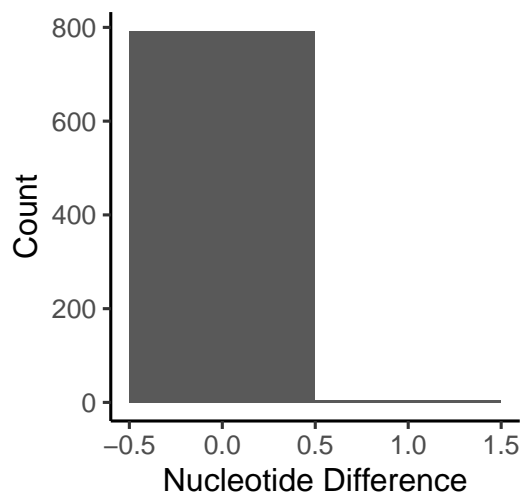
### TRBV7-6\*ap01

1967 sequences assigned  
1947 (99%) exact matches, in which:  
1893 unique CDR3  
13 unique J



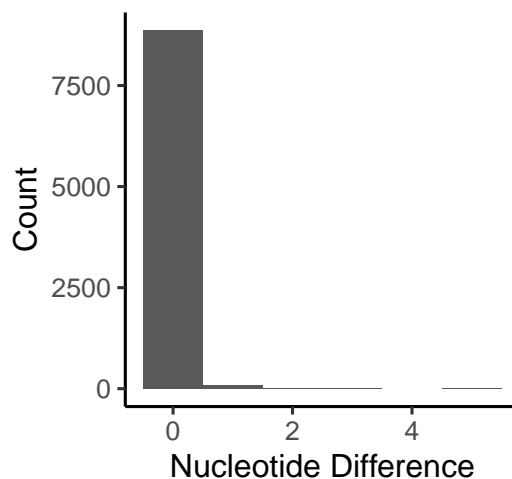
### TRBV7-7\*ap01\_C315T

798 sequences assigned  
793 (99.4%) exact matches, in which:  
773 unique CDR3  
14 unique J



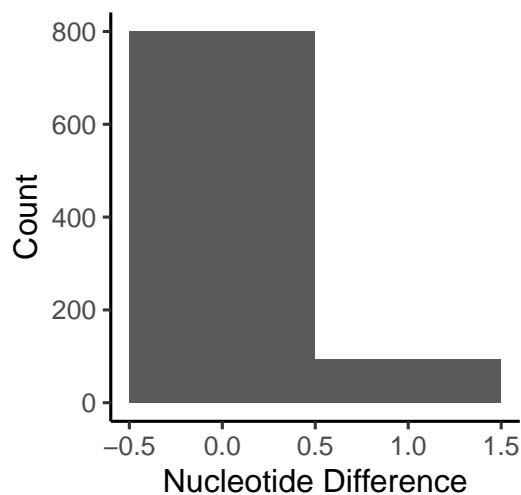
### TRBV7-9\*ap01

8954 sequences assigned  
8864 (99%) exact matches, in which:  
8638 unique CDR3  
13 unique J



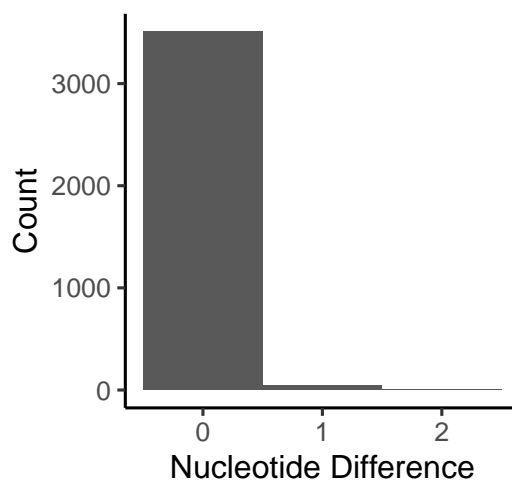
### TRBV7-8\*ap01

895 sequences assigned  
801 (89.5%) exact matches, in which:  
770 unique CDR3  
13 unique J



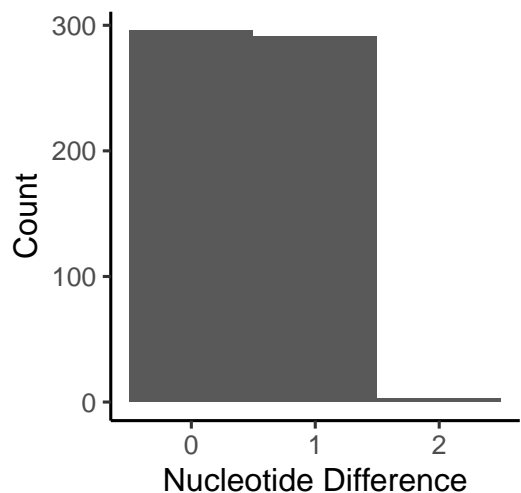
### TRBV29-1\*ap01

3556 sequences assigned  
3508 (98.7%) exact matches, in which:  
3382 unique CDR3  
13 unique J



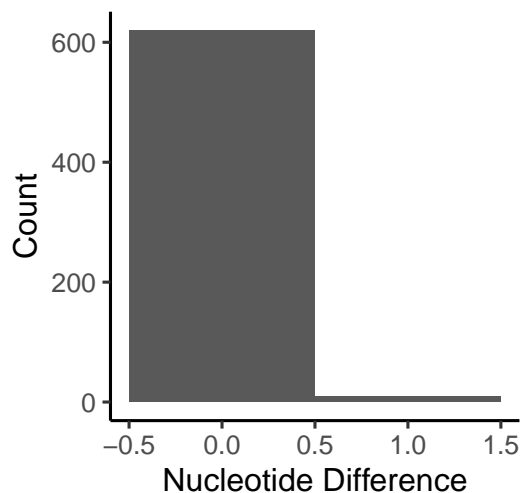
### TRBV7-8\*ap03

590 sequences assigned  
296 (50.2%) exact matches, in which:  
286 unique CDR3  
13 unique J

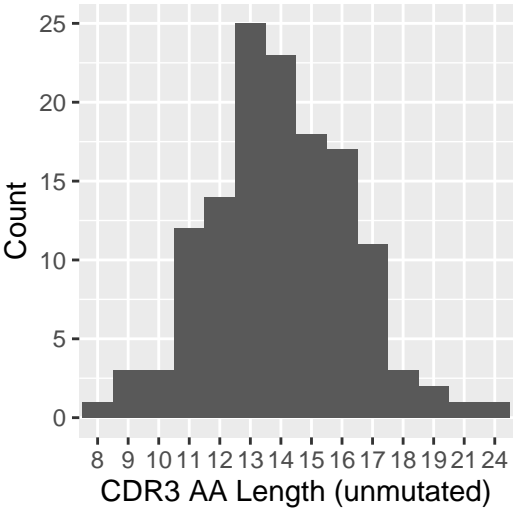


### TRBV29-1\*ap02

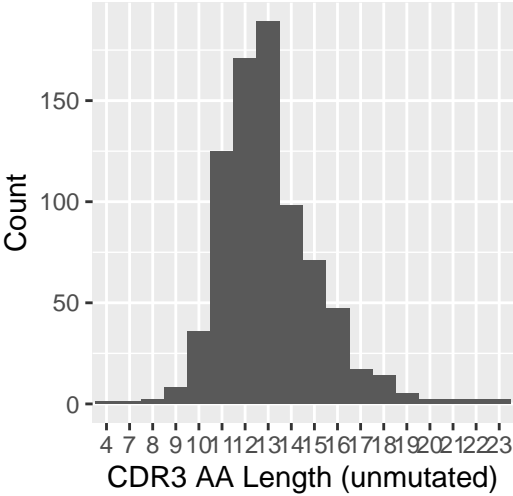
630 sequences assigned  
620 (98.4%) exact matches, in which:  
601 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.