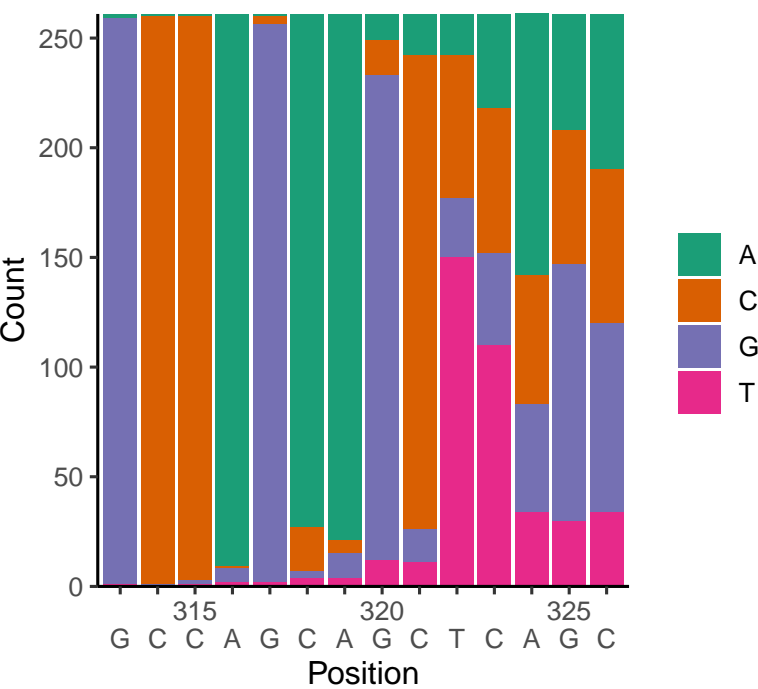
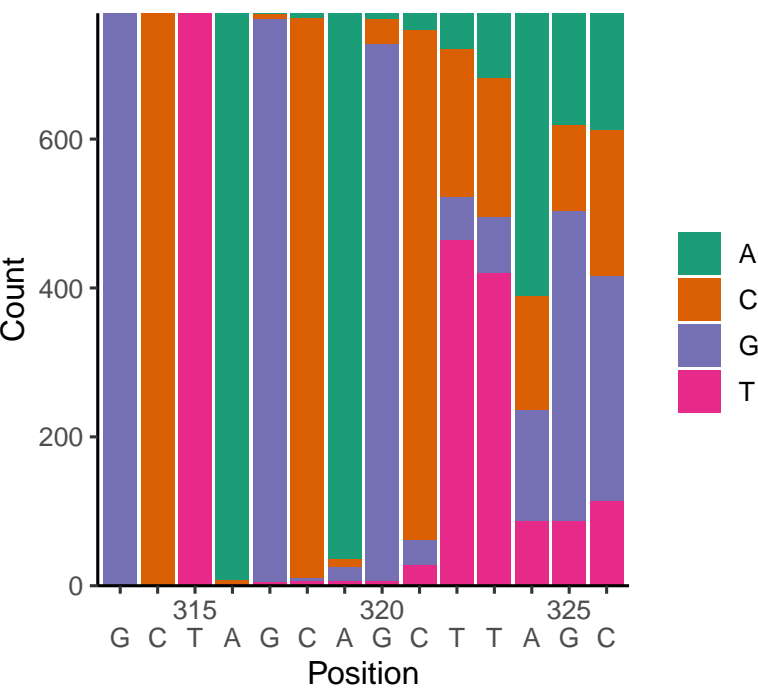


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



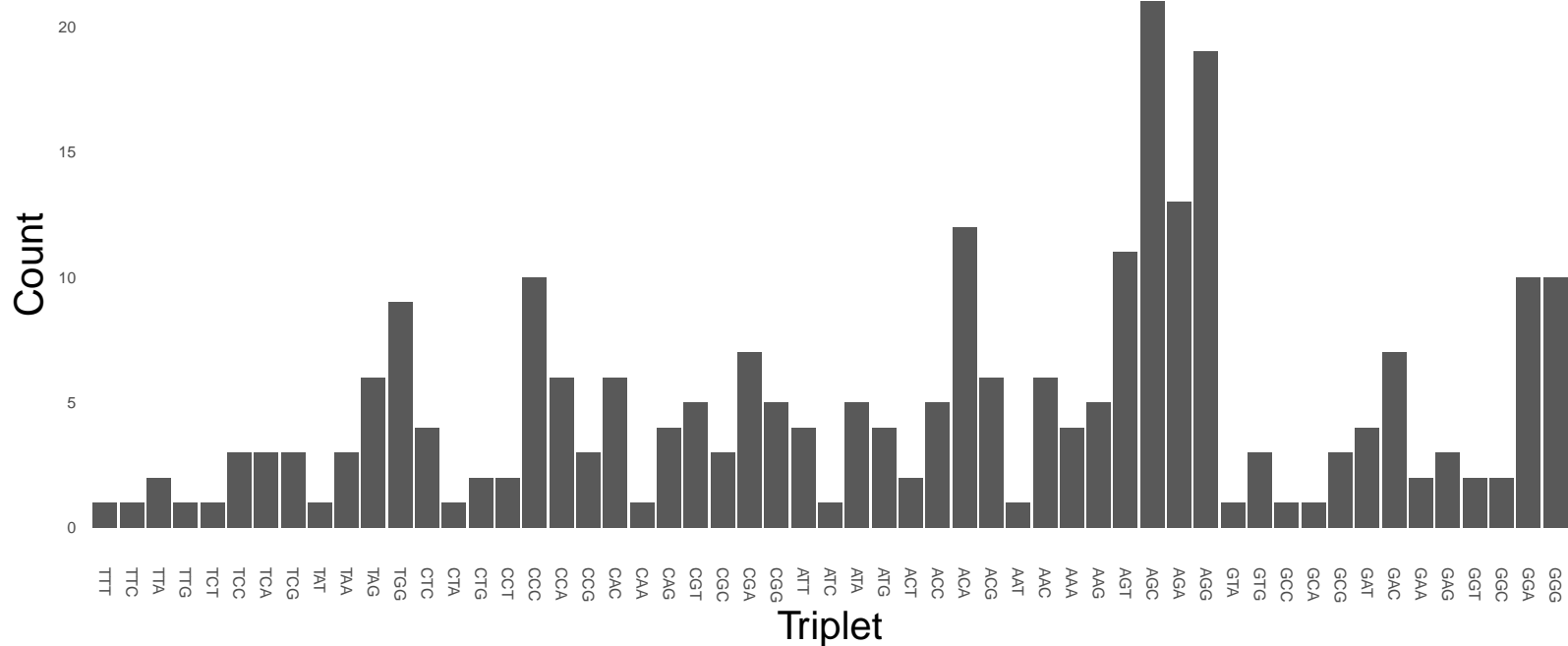
Gene TRBV7-1\*ap01\_G291C\_T296C



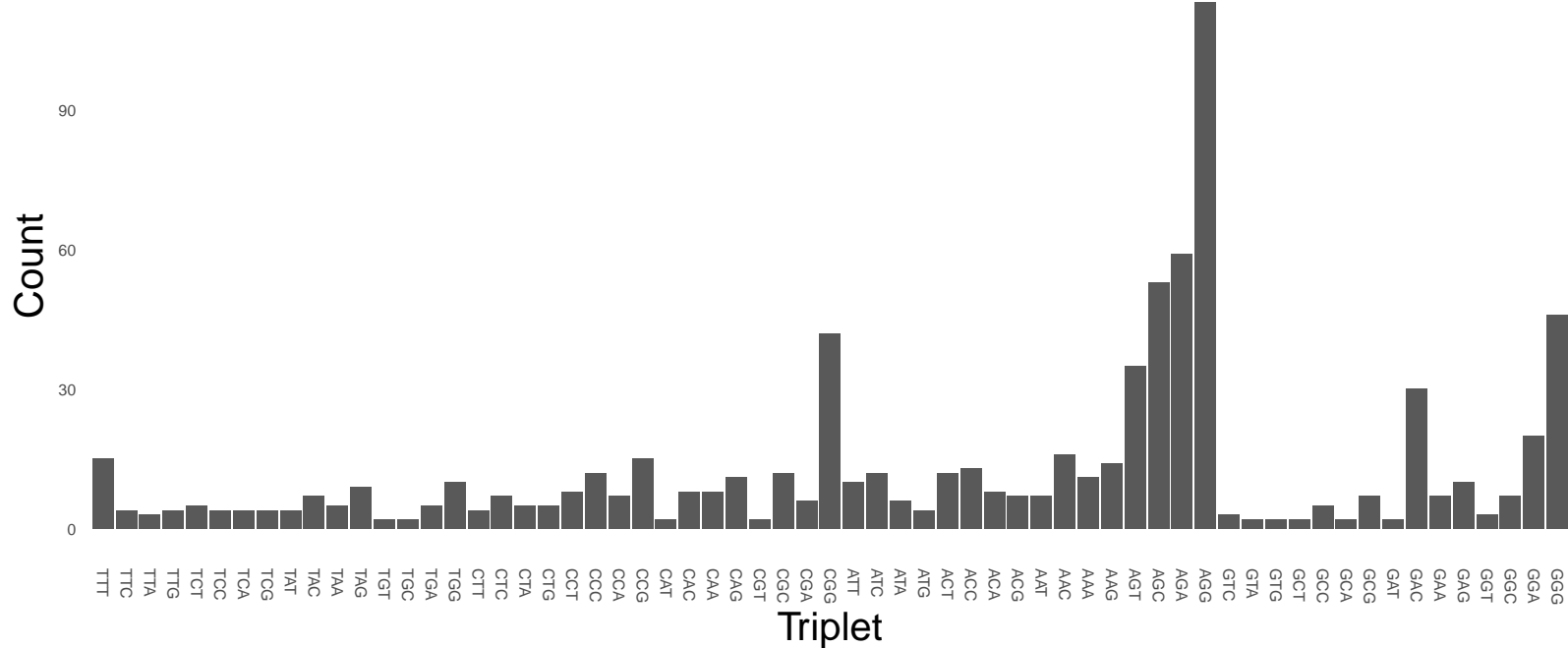
Gene TRBV7-7\*ap01\_C315T



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

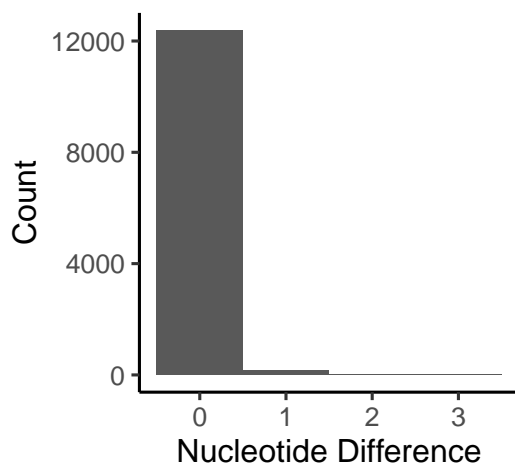


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



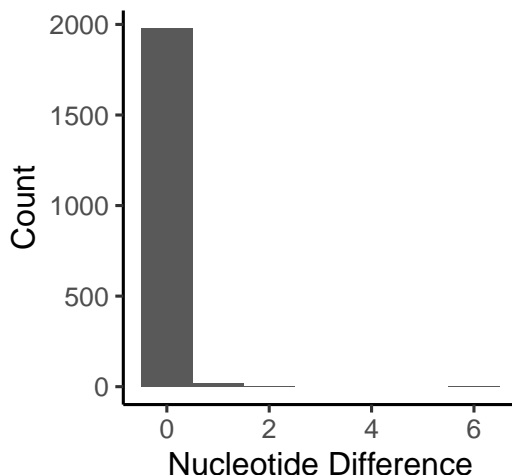
### TRBV20-1\*ap01

12570 sequences assigned  
12390 (98.6%) exact matches, in which:  
12156 unique CDR3  
13 unique J



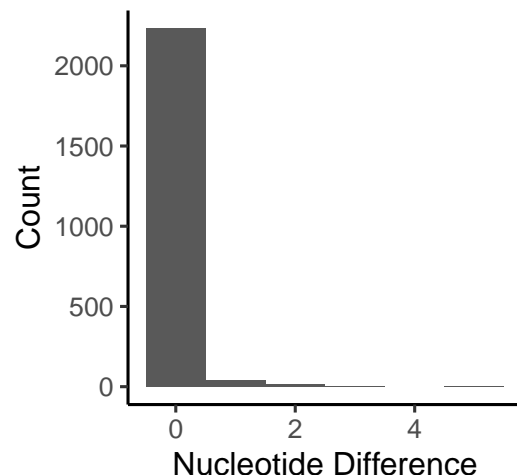
### TRBV10-2\*ap01

2002 sequences assigned  
1978 (98.8%) exact matches, in which:  
1917 unique CDR3  
13 unique J



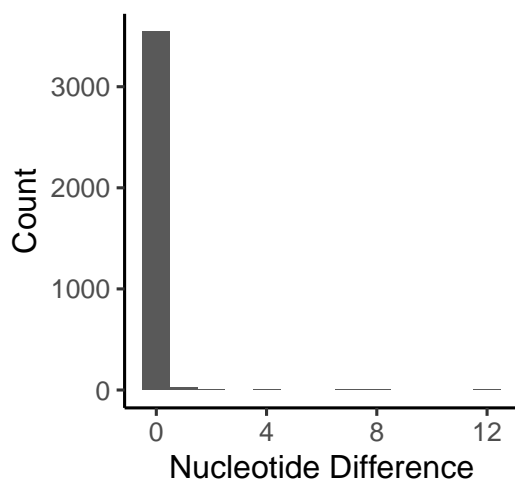
### TRBV13\*ap01

2291 sequences assigned  
2233 (97.5%) exact matches, in which:  
2174 unique CDR3  
13 unique J



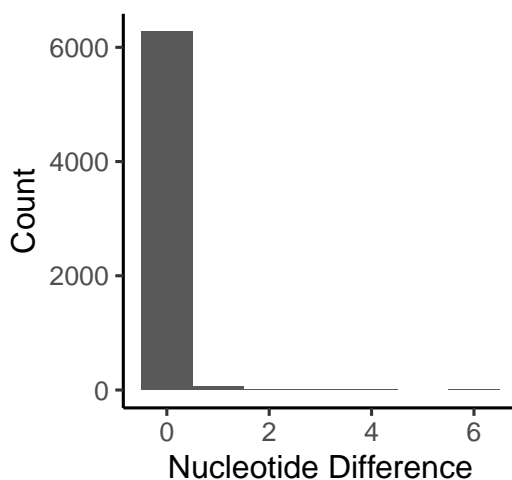
### TRBV10-1\*ap01

3578 sequences assigned  
3544 (99%) exact matches, in which:  
3465 unique CDR3  
13 unique J



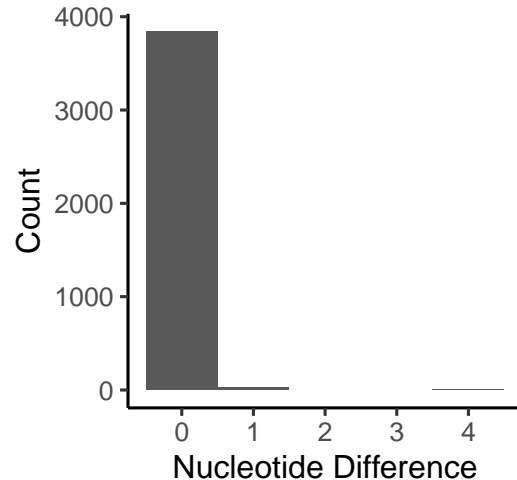
### TRBV10-3\*ap01

6343 sequences assigned  
6273 (98.9%) exact matches, in which:  
6125 unique CDR3  
13 unique J



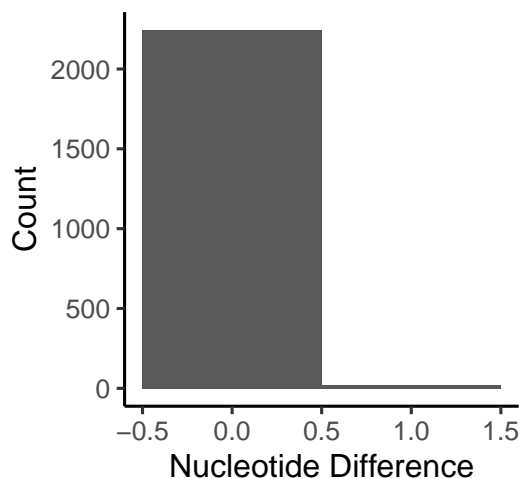
### TRBV14\*ap01

3869 sequences assigned  
3839 (99.2%) exact matches, in which:  
3753 unique CDR3  
13 unique J



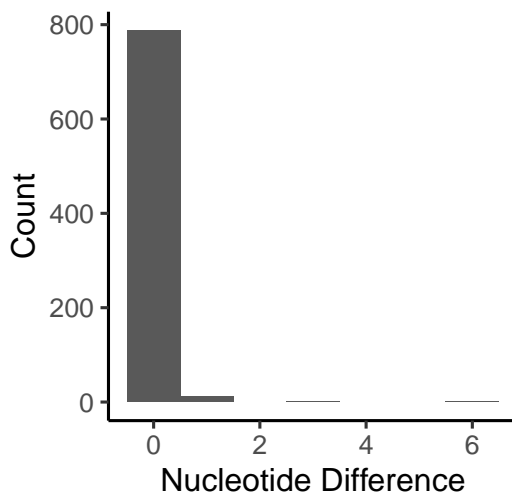
### TRBV20-1\*ap02

2266 sequences assigned  
2244 (99%) exact matches, in which:  
2213 unique CDR3  
13 unique J



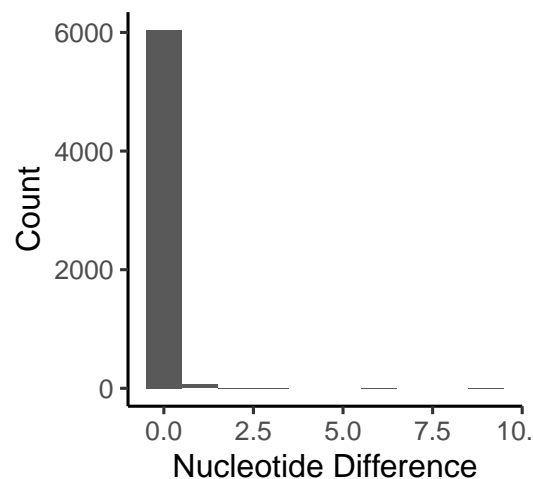
### TRBV1\*ap01

803 sequences assigned  
788 (98.1%) exact matches, in which:  
769 unique CDR3  
13 unique J



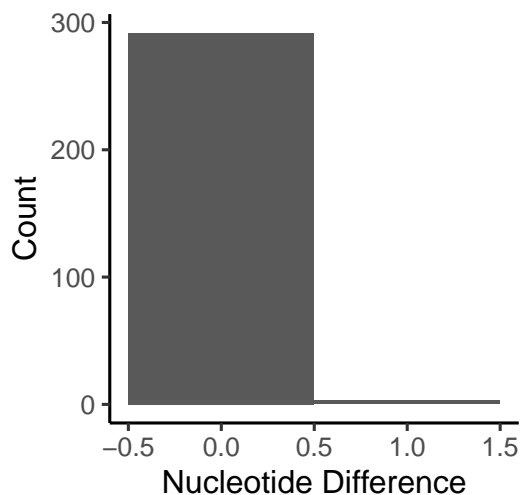
### TRBV15\*ap02

6111 sequences assigned  
6040 (98.8%) exact matches, in which:  
5887 unique CDR3  
13 unique J



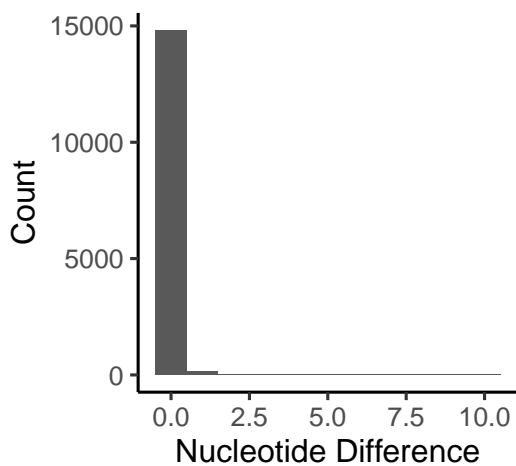
### TRBV16\*ap01

295 sequences assigned  
292 (99%) exact matches, in which:  
289 unique CDR3  
13 unique J



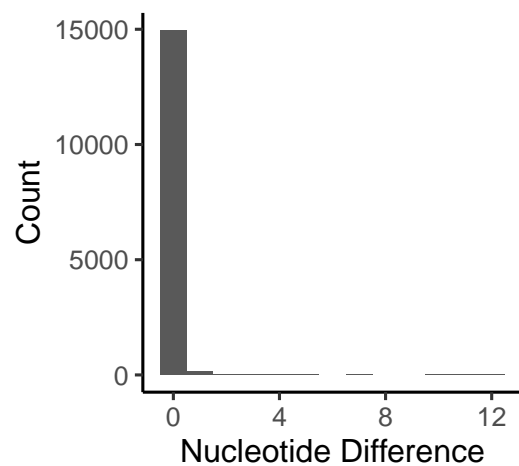
### TRBV19\*ap01

15002 sequences assigned  
14818 (98.8%) exact matches, in which:  
14630 unique CDR3  
13 unique J



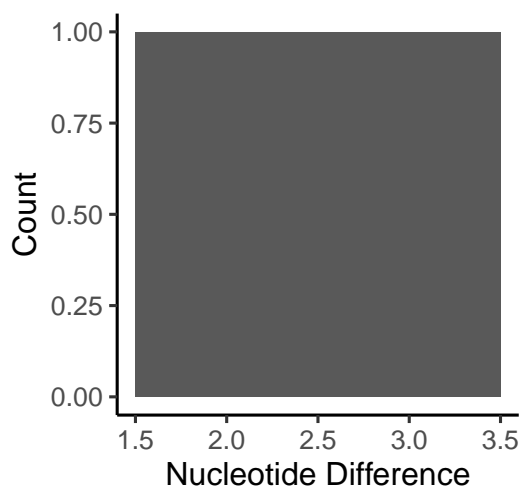
### TRBV27\*ap01

15153 sequences assigned  
14962 (98.7%) exact matches, in which:  
14600 unique CDR3  
13 unique J



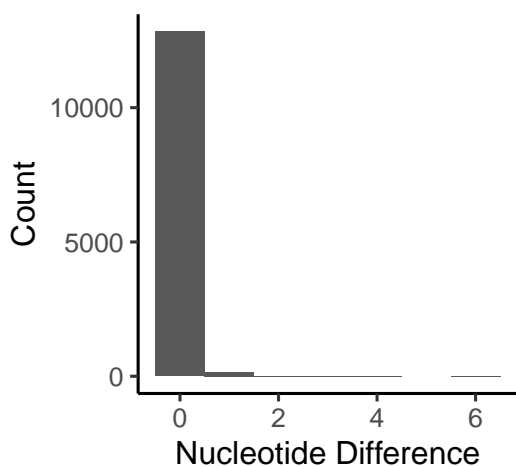
### TRBV17\*ap01

2 sequences assigned  
No exact matches.



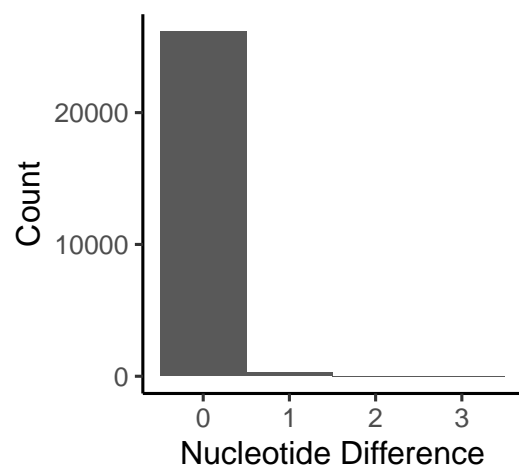
### TRBV2\*ap01

13001 sequences assigned  
12837 (98.7%) exact matches, in which:  
12600 unique CDR3  
13 unique J



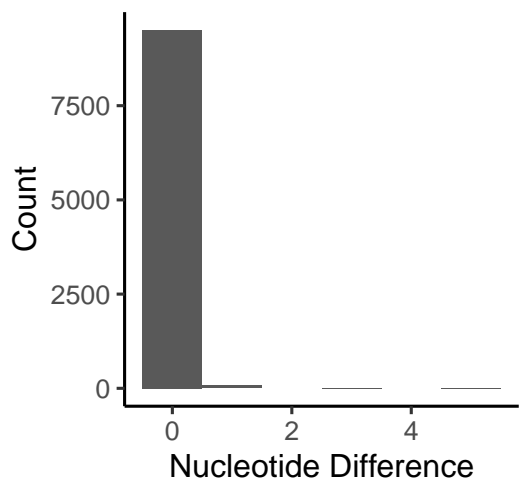
### TRBV28\*ap01

26443 sequences assigned  
26157 (98.9%) exact matches, in which:  
25629 unique CDR3  
13 unique J



### TRBV18\*ap01

9582 sequences assigned  
9507 (99.2%) exact matches, in which:  
9384 unique CDR3  
14 unique J



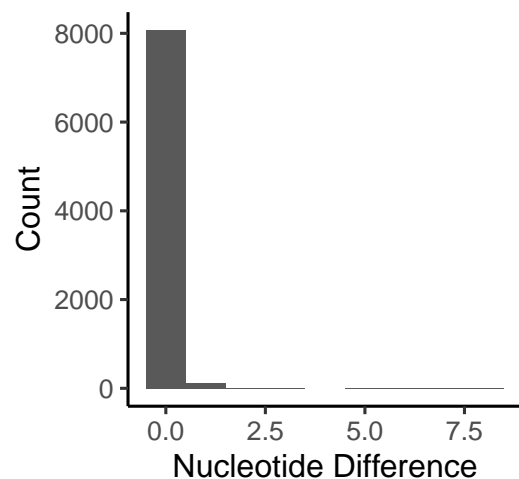
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



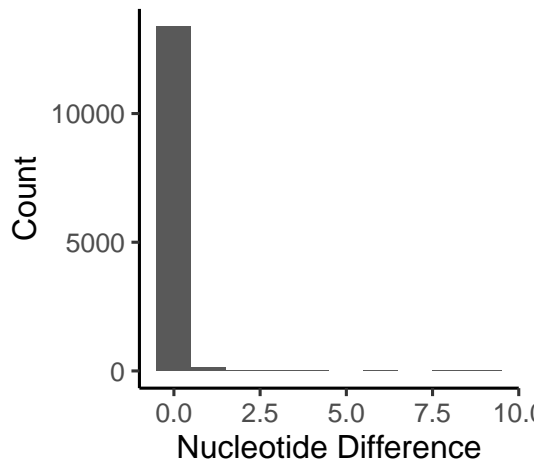
### TRBV30\*ap01

8217 sequences assigned  
8074 (98.3%) exact matches, in which:  
7968 unique CDR3  
13 unique J



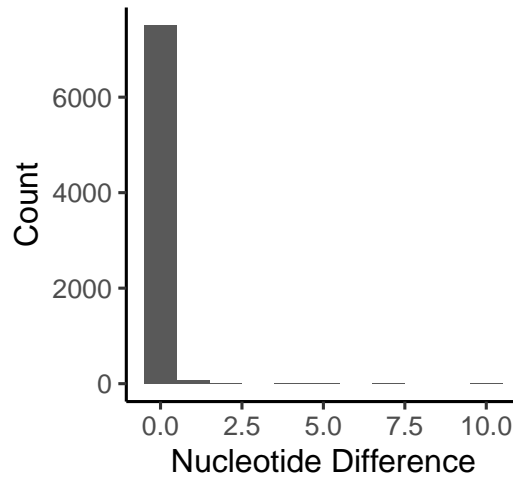
### TRBV9\*ap01

13557 sequences assigned  
13396 (98.8%) exact matches, in which:  
13145 unique CDR3  
13 unique J



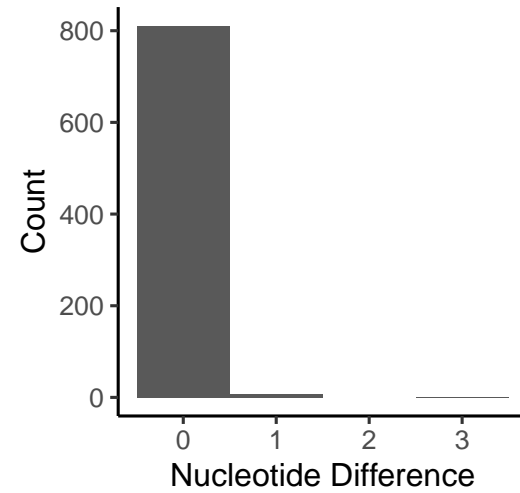
### TRBV11-2\*ap01

7584 sequences assigned  
7503 (98.9%) exact matches, in which:  
7339 unique CDR3  
14 unique J



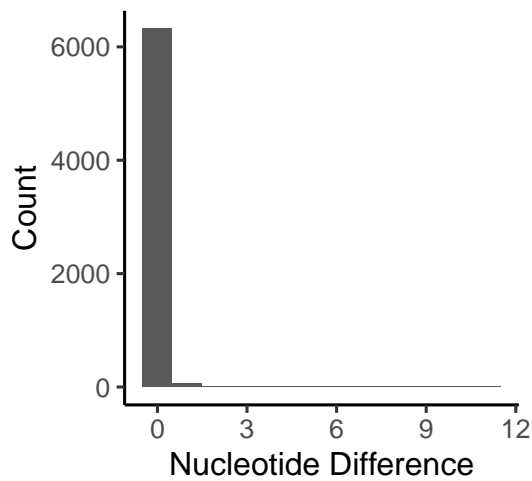
### TRBV12-2\*ap01

820 sequences assigned  
811 (98.9%) exact matches, in which:  
792 unique CDR3  
13 unique J



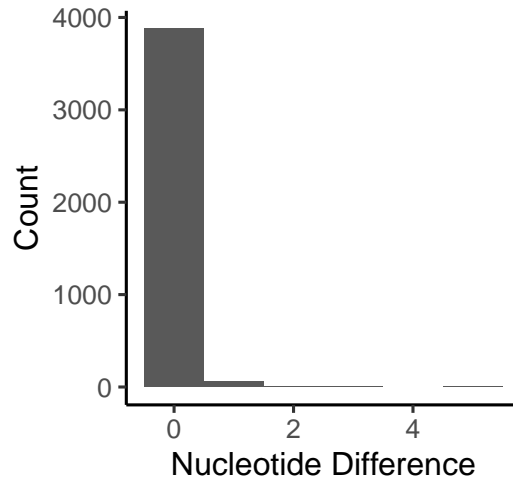
### TRBV21-1\*ap01

6416 sequences assigned  
6320 (98.5%) exact matches, in which:  
6216 unique CDR3  
13 unique J



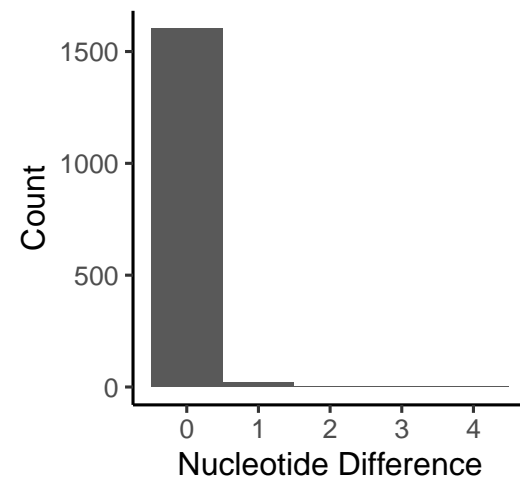
### TRBV11-3\*ap01

3947 sequences assigned  
3878 (98.3%) exact matches, in which:  
3796 unique CDR3  
13 unique J



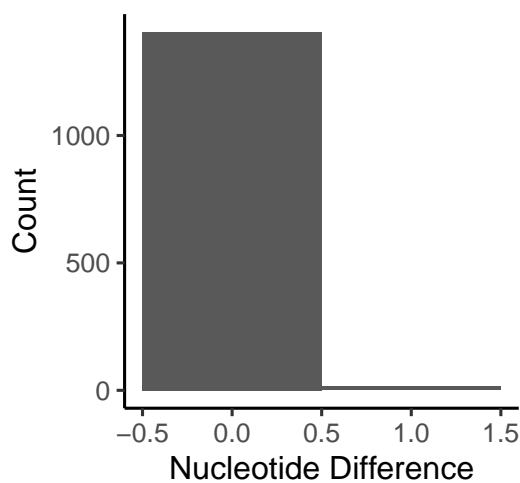
### TRBV12-5\*ap01

1626 sequences assigned  
1602 (98.5%) exact matches, in which:  
1572 unique CDR3  
13 unique J



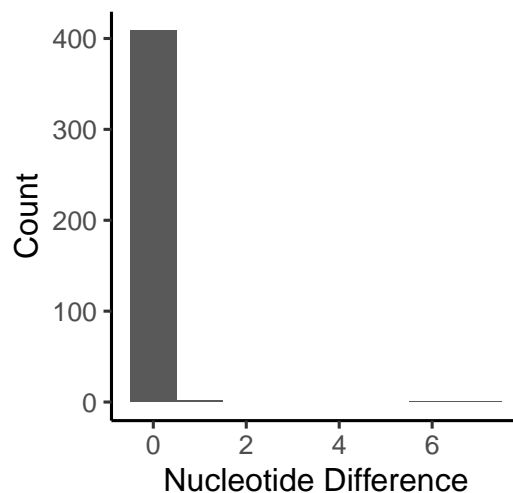
### TRBV11-1\*ap01

1421 sequences assigned  
1406 (98.9%) exact matches, in which:  
1370 unique CDR3  
13 unique J



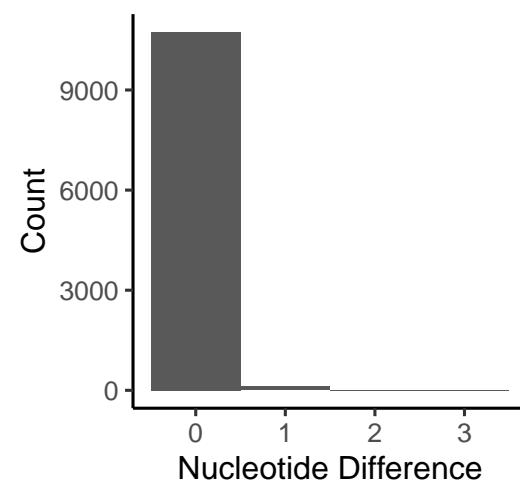
### TRBV12-1\*ap01

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



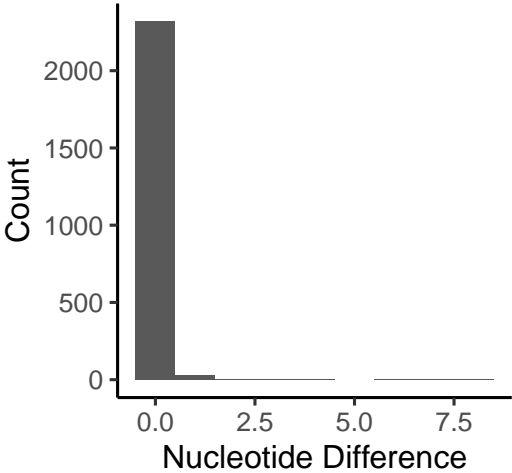
### TRBV12-34\*ap01

10858 sequences assigned  
10737 (98.9%) exact matches, in which:  
10495 unique CDR3  
13 unique J



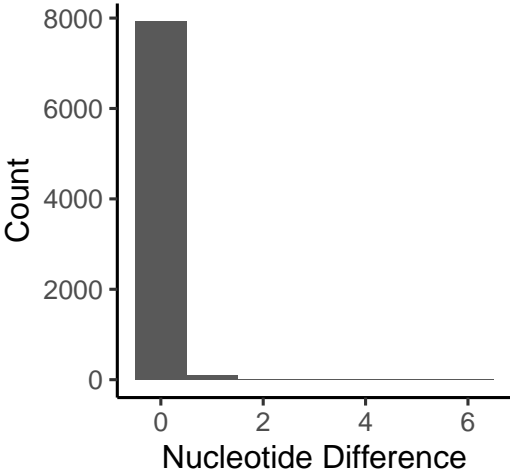
TRBV23-1\*ap01

2358 sequences assigned  
2319 (98.3%) exact matches, in which:  
2280 unique CDR3  
13 unique J



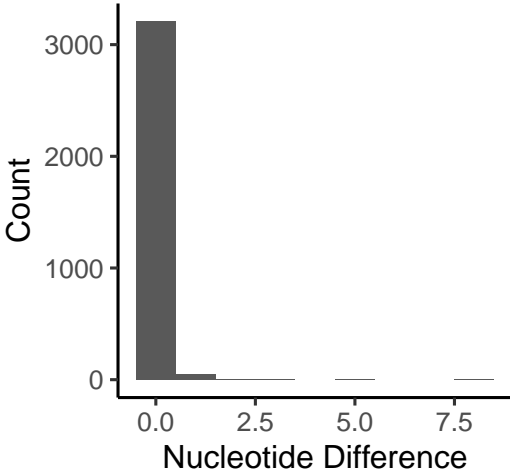
TRBV24-1\*ap01

8039 sequences assigned  
7926 (98.6%) exact matches, in which:  
7801 unique CDR3  
13 unique J



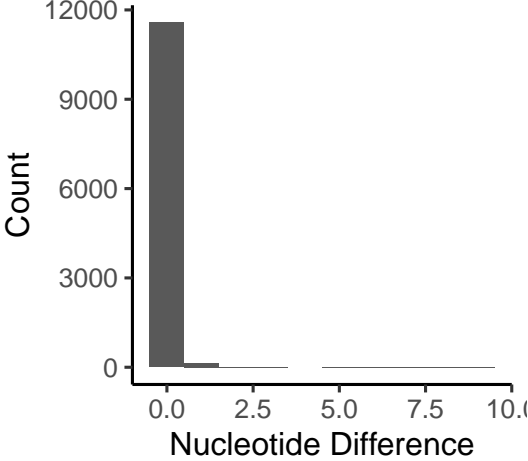
TRBV25-1\*ap01

3264 sequences assigned  
3208 (98.3%) exact matches, in which:  
3145 unique CDR3  
13 unique J



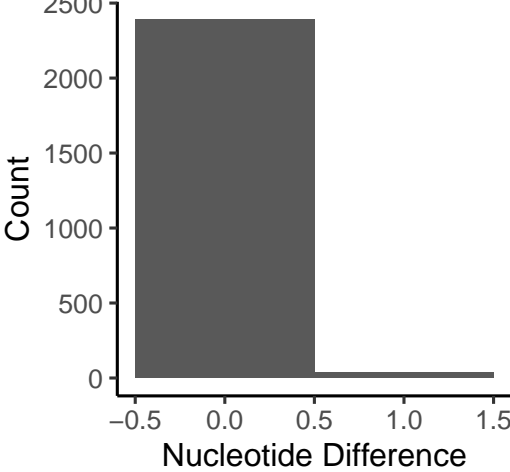
TRBV3-12\*ap01

11737 sequences assigned  
11578 (98.6%) exact matches, in which:  
11329 unique CDR3  
13 unique J



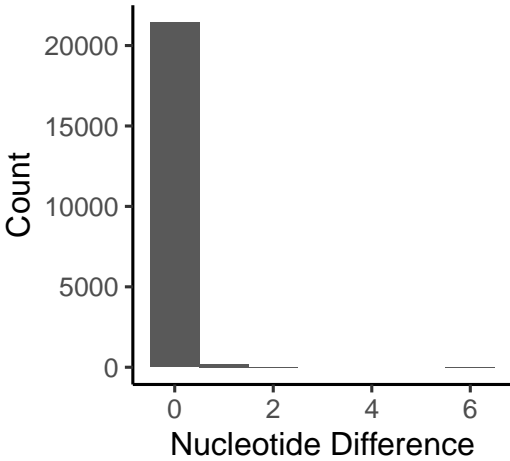
TRBV4-2\*ap01

2424 sequences assigned  
2389 (98.6%) exact matches, in which:  
2342 unique CDR3  
13 unique J



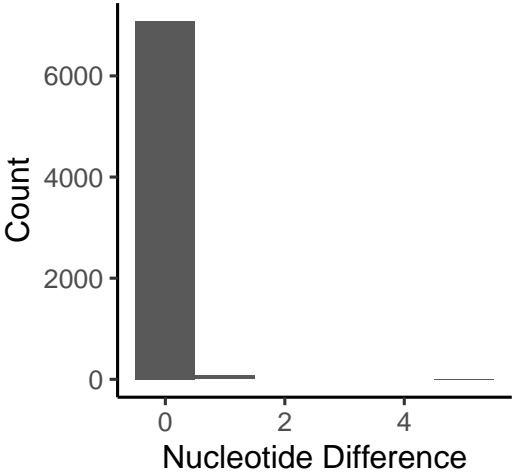
TRBV5-1\*ap01

21653 sequences assigned  
21435 (99%) exact matches, in which:  
20931 unique CDR3  
13 unique J



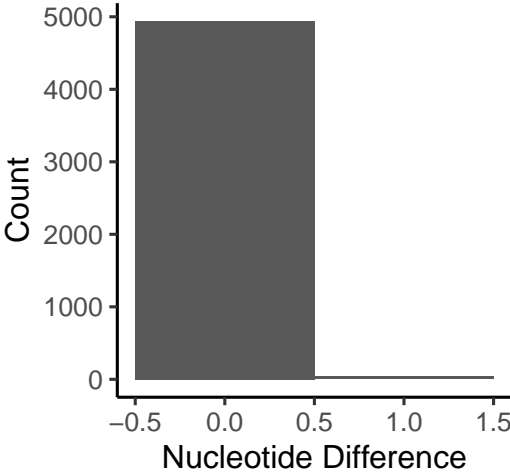
TRBV4-1\*ap01

7158 sequences assigned  
7085 (99%) exact matches, in which:  
6931 unique CDR3  
13 unique J



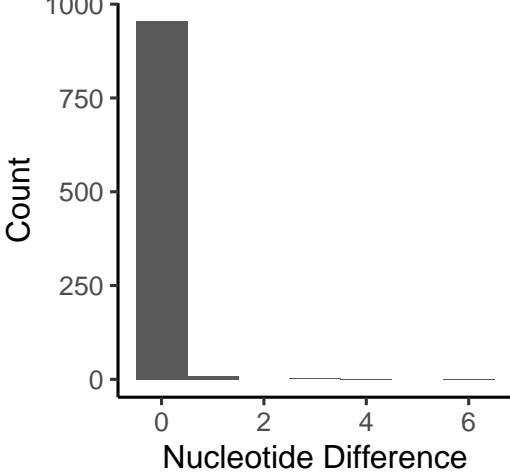
TRBV4-3\*ap01

4982 sequences assigned  
4941 (99.2%) exact matches, in which:  
4847 unique CDR3  
13 unique J



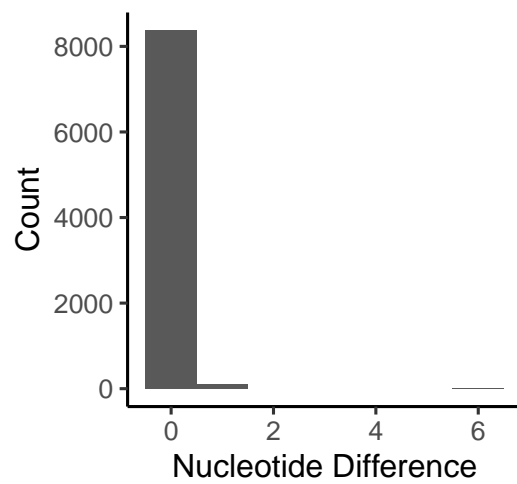
TRBV5-3\*ap01

967 sequences assigned  
955 (98.8%) exact matches, in which:  
934 unique CDR3  
13 unique J



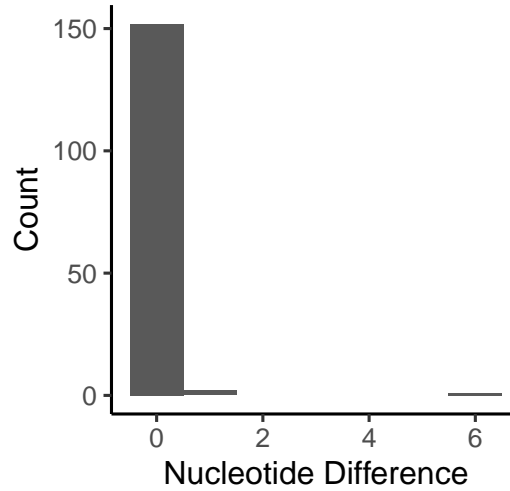
### TRBV5-4\*ap01

8469 sequences assigned  
8373 (98.9%) exact matches, in which:  
8165 unique CDR3  
13 unique J



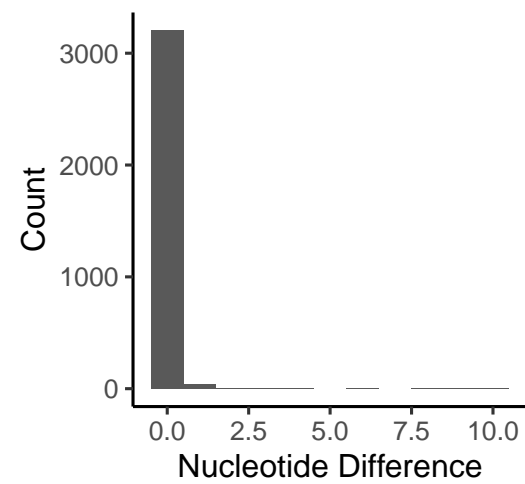
### TRBV5-7\*ap01

155 sequences assigned  
152 (98.1%) exact matches, in which:  
150 unique CDR3  
13 unique J



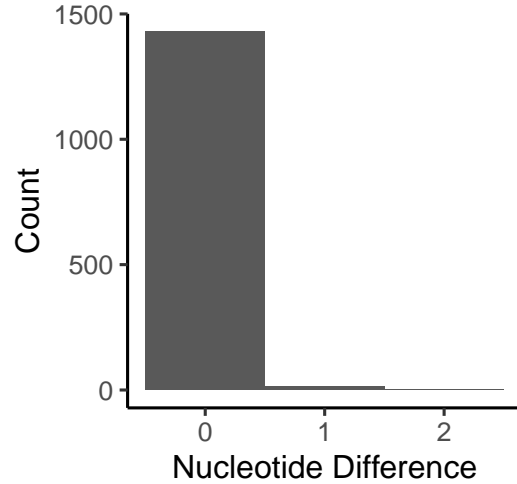
### TRBV6-4\*ap01

3258 sequences assigned  
3204 (98.3%) exact matches, in which:  
3134 unique CDR3  
13 unique J



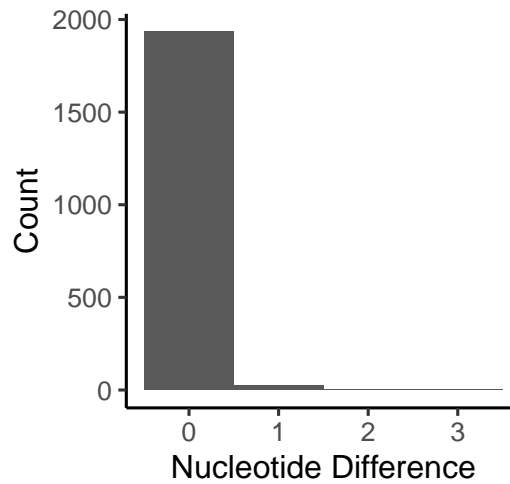
### TRBV5-5\*ap01

1445 sequences assigned  
1429 (98.9%) exact matches, in which:  
1413 unique CDR3  
13 unique J



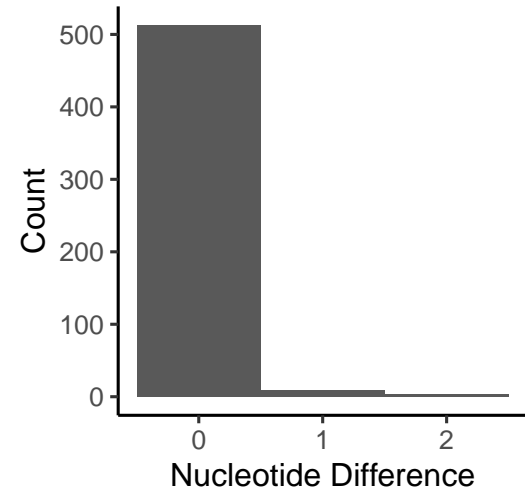
### TRBV5-8\*ap01

1959 sequences assigned  
1934 (98.7%) exact matches, in which:  
1892 unique CDR3  
13 unique J



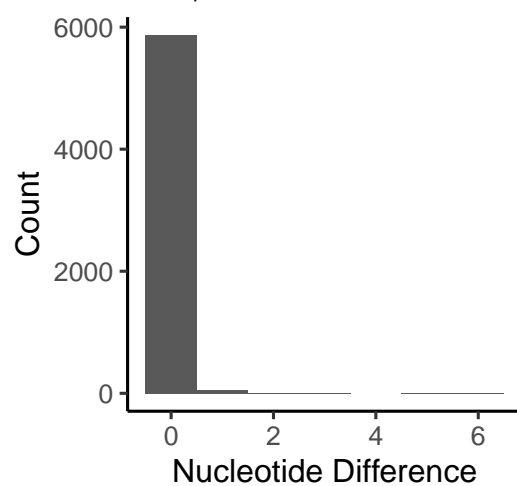
### TRBV6-7\*ap01

525 sequences assigned  
513 (97.7%) exact matches, in which:  
497 unique CDR3  
13 unique J



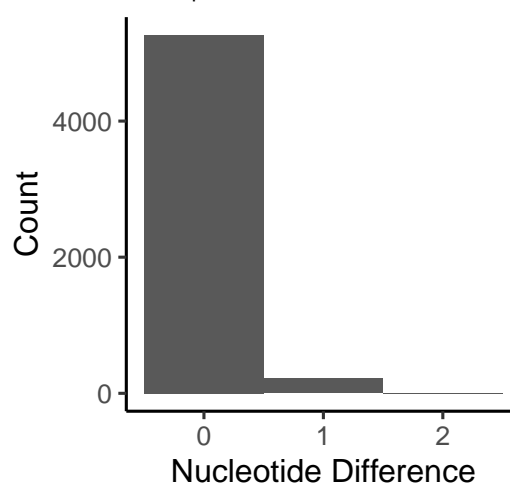
### TRBV5-6\*ap01

5935 sequences assigned  
5870 (98.9%) exact matches, in which:  
5724 unique CDR3  
13 unique J



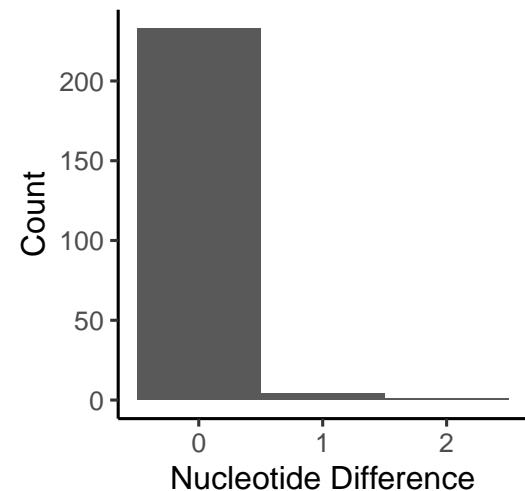
### TRBV6-1\*ap01

5485 sequences assigned  
5264 (96%) exact matches, in which:  
5113 unique CDR3  
13 unique J



### TRBV6-8\*ap01

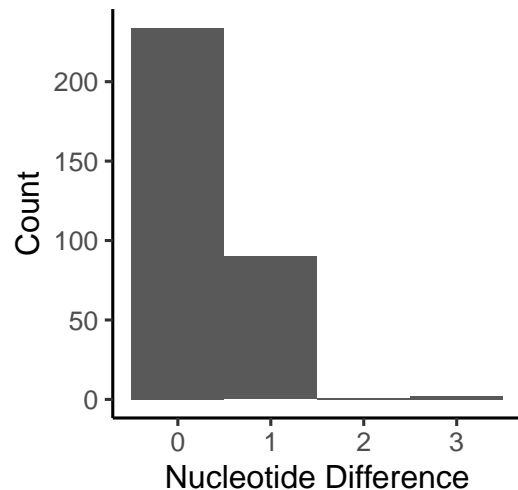
238 sequences assigned  
233 (97.9%) exact matches, in which:  
226 unique CDR3  
13 unique J





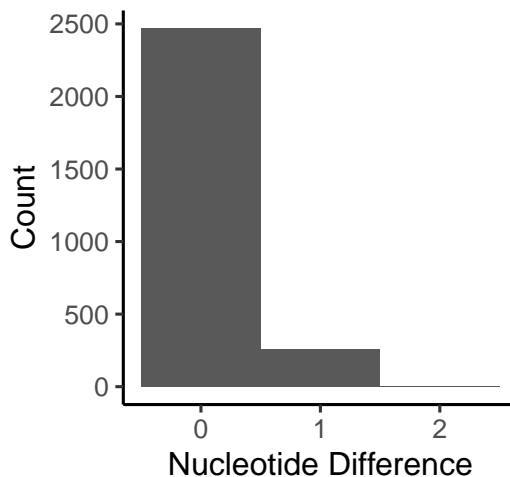
### TRBV6-9\*ap01

327 sequences assigned  
234 (71.6%) exact matches, in which:  
231 unique CDR3  
13 unique J



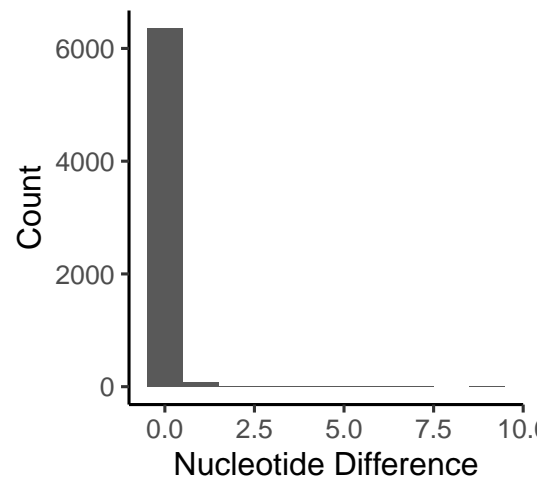
### TRBV6-56\*ap02

2726 sequences assigned  
2469 (90.6%) exact matches, in which:  
2401 unique CDR3  
13 unique J



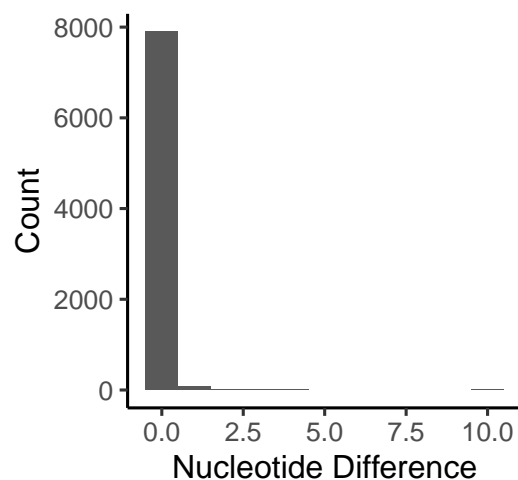
### TRBV7-3\*ap01

6446 sequences assigned  
6355 (98.6%) exact matches, in which:  
6249 unique CDR3  
13 unique J



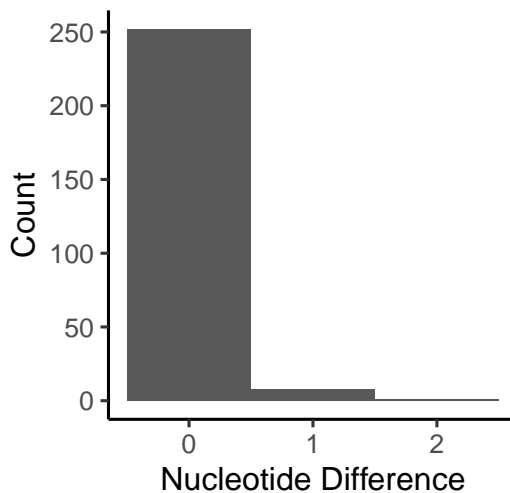
### TRBV6-23\*ap01

7992 sequences assigned  
7898 (98.8%) exact matches, in which:  
7724 unique CDR3  
13 unique J



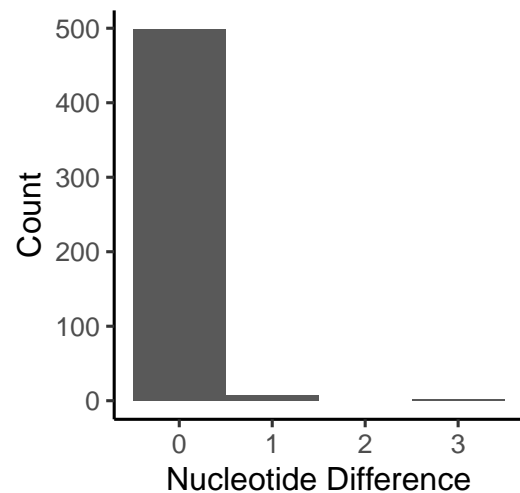
### TRBV7-1\*ap01\_G291C\_

261 sequences assigned  
252 (96.6%) exact matches, in which:  
248 unique CDR3  
13 unique J



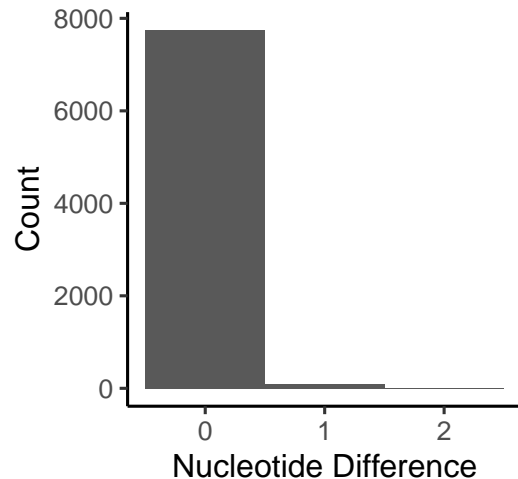
### TRBV7-4\*ap01

509 sequences assigned  
499 (98%) exact matches, in which:  
492 unique CDR3  
13 unique J



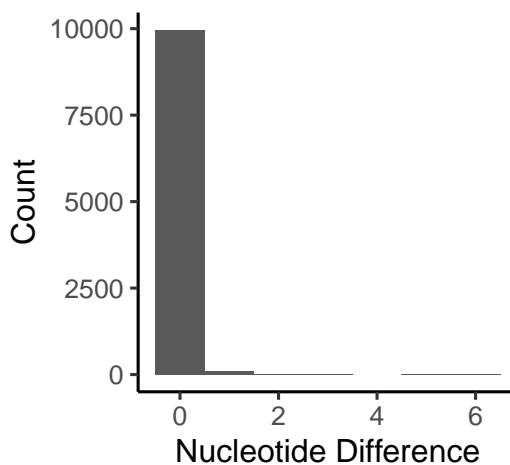
### TRBV6-56\*ap01

7840 sequences assigned  
7747 (98.8%) exact matches, in which:  
7549 unique CDR3  
13 unique J



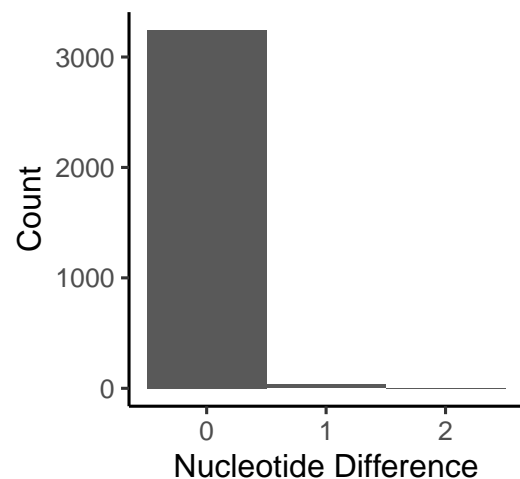
### TRBV7-2\*ap01

10064 sequences assigned  
9967 (99%) exact matches, in which:  
9787 unique CDR3  
13 unique J



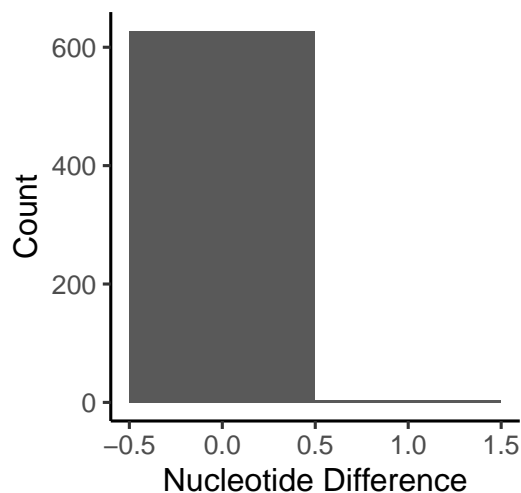
### TRBV7-6\*ap01

3280 sequences assigned  
3244 (98.9%) exact matches, in which:  
3153 unique CDR3  
13 unique J



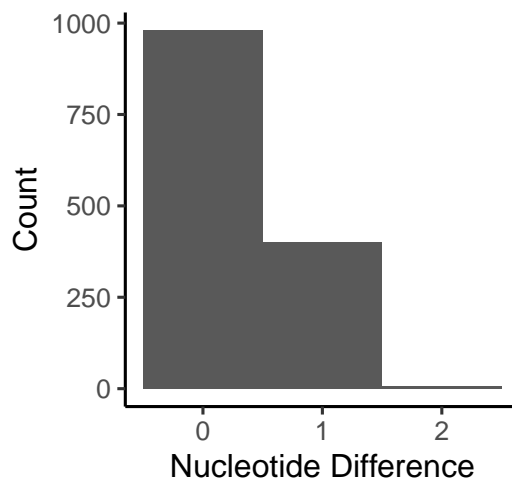
### TRBV7-7\*ap01

632 sequences assigned  
628 (99.4%) exact matches, in which:  
620 unique CDR3  
13 unique J



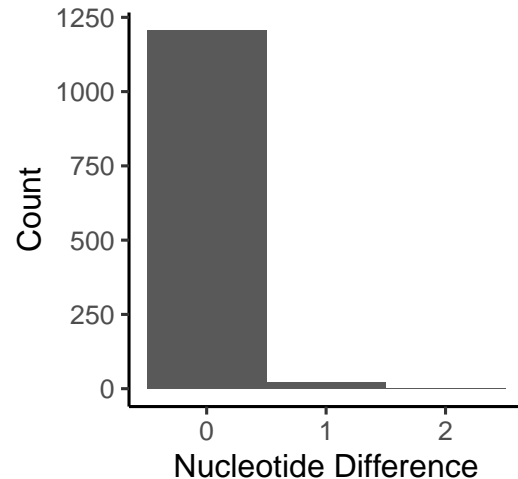
### TRBV7-8\*ap03

1388 sequences assigned  
980 (70.6%) exact matches, in which:  
962 unique CDR3  
13 unique J



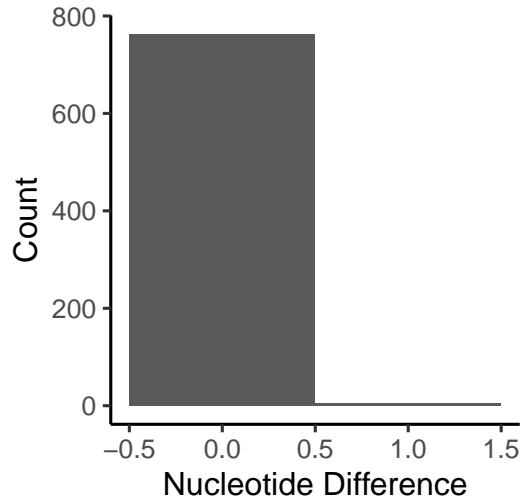
### TRBV29-1\*ap02

1228 sequences assigned  
1206 (98.2%) exact matches, in which:  
1187 unique CDR3  
13 unique J



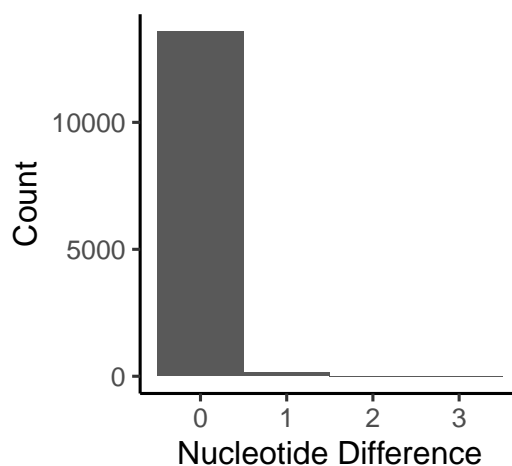
### TRBV7-7\*ap01\_C315T

769 sequences assigned  
763 (99.2%) exact matches, in which:  
750 unique CDR3  
13 unique J



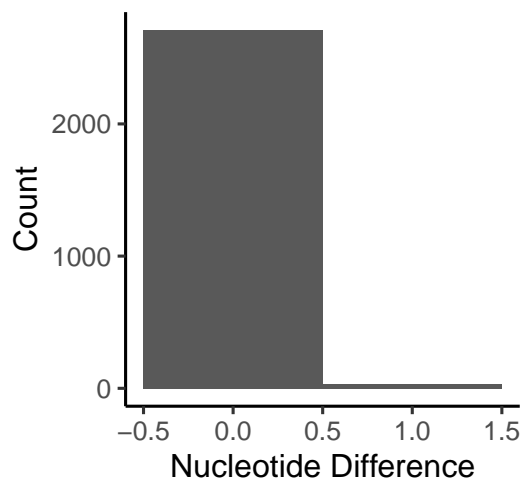
### TRBV7-9\*ap01

13731 sequences assigned  
13580 (98.9%) exact matches, in which:  
13328 unique CDR3  
13 unique J



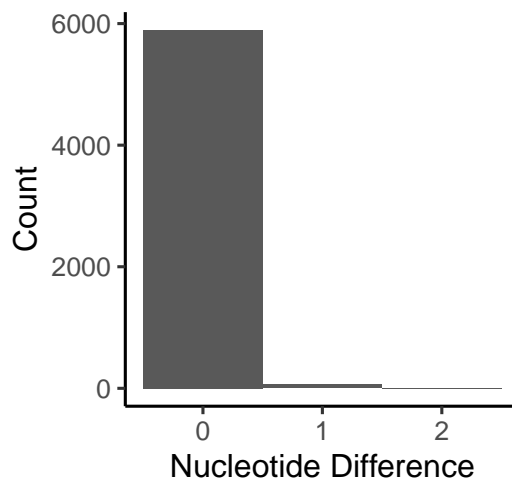
### TRBV7-8\*ap01

2743 sequences assigned  
2710 (98.8%) exact matches, in which:  
2633 unique CDR3  
13 unique J

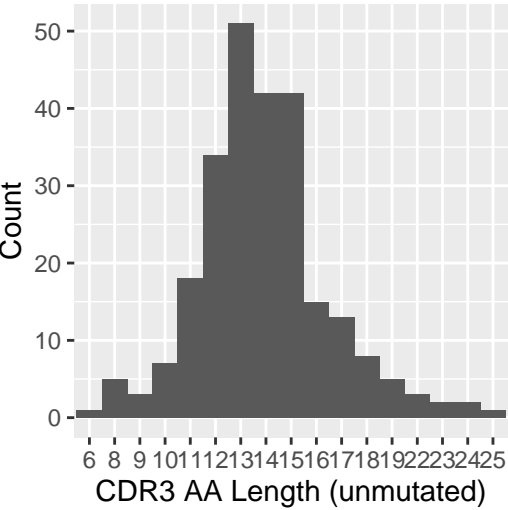


### TRBV29-1\*ap01

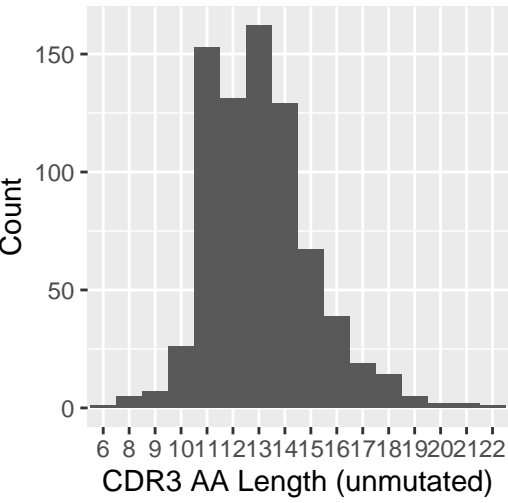
5957 sequences assigned  
5894 (98.9%) exact matches, in which:  
5756 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.