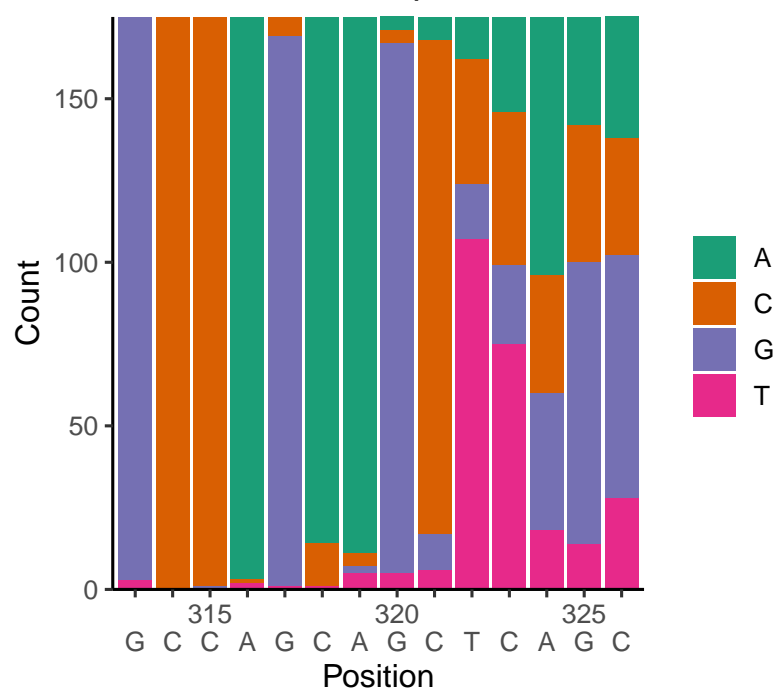
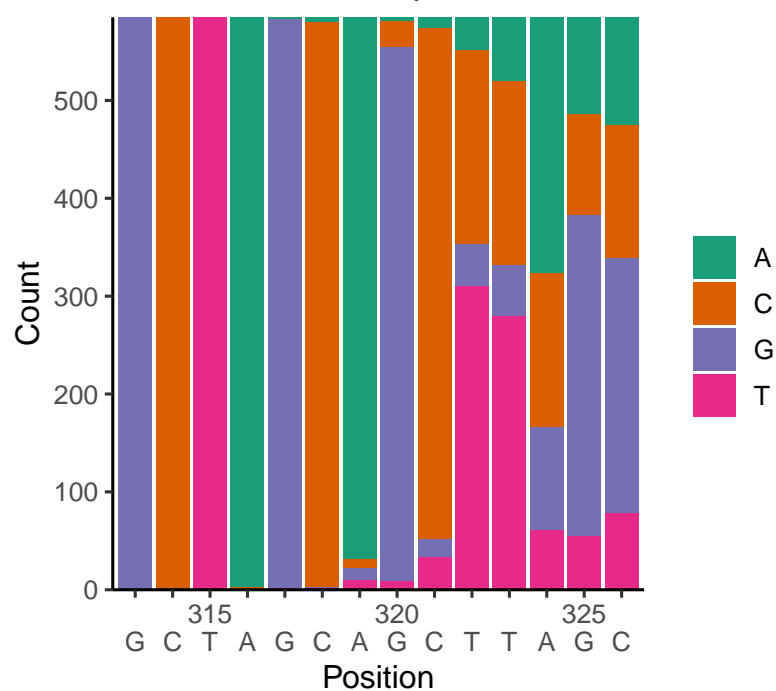


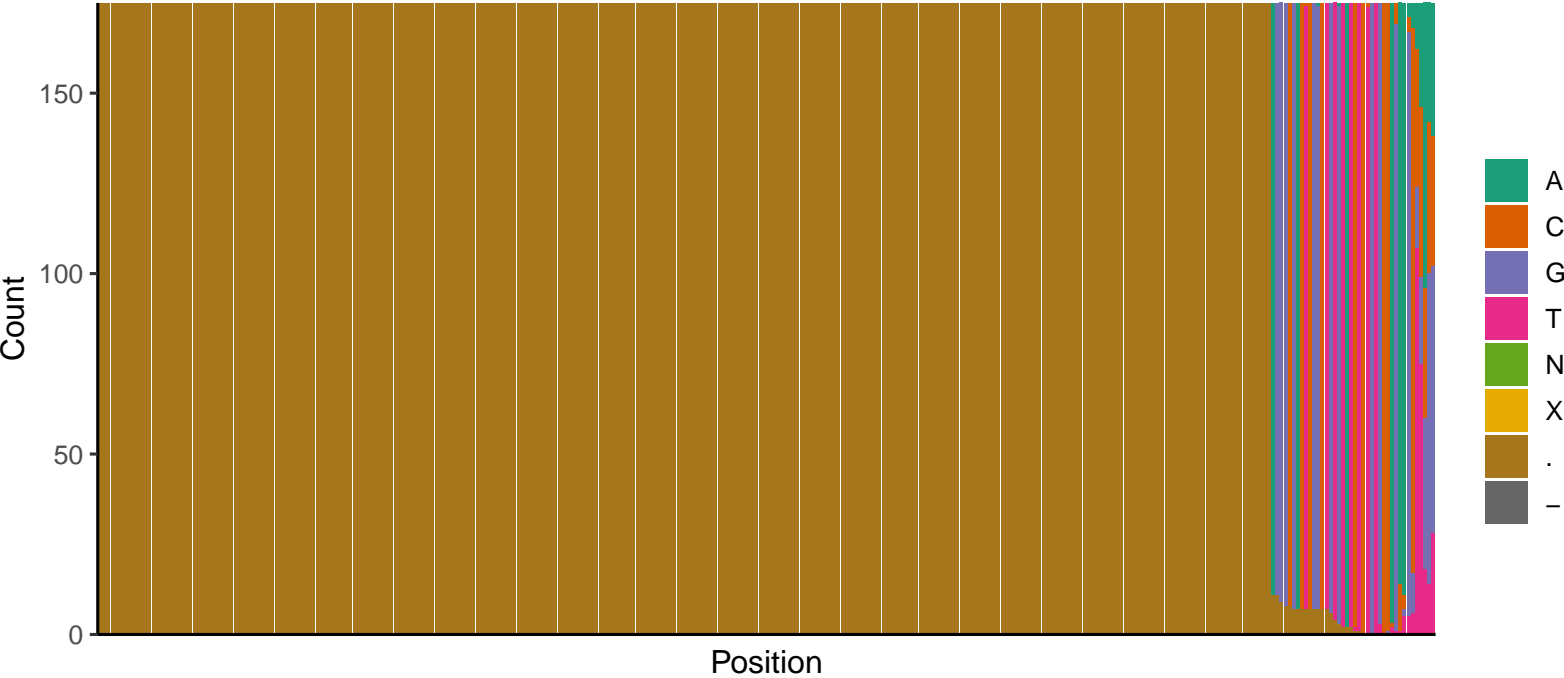
Gene TRBV7-1\*ap01\_G291C\_T296C



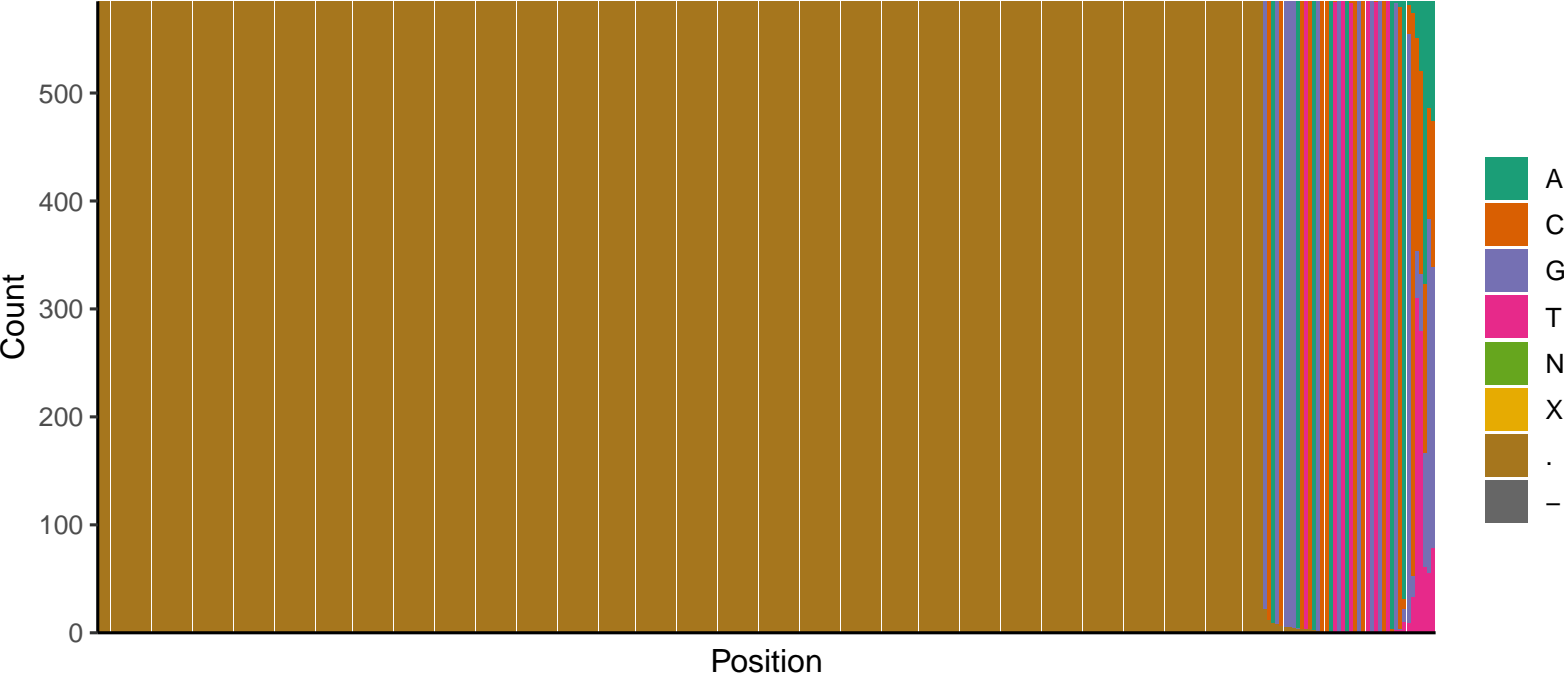
Gene TRBV7-7\*ap01\_C315T



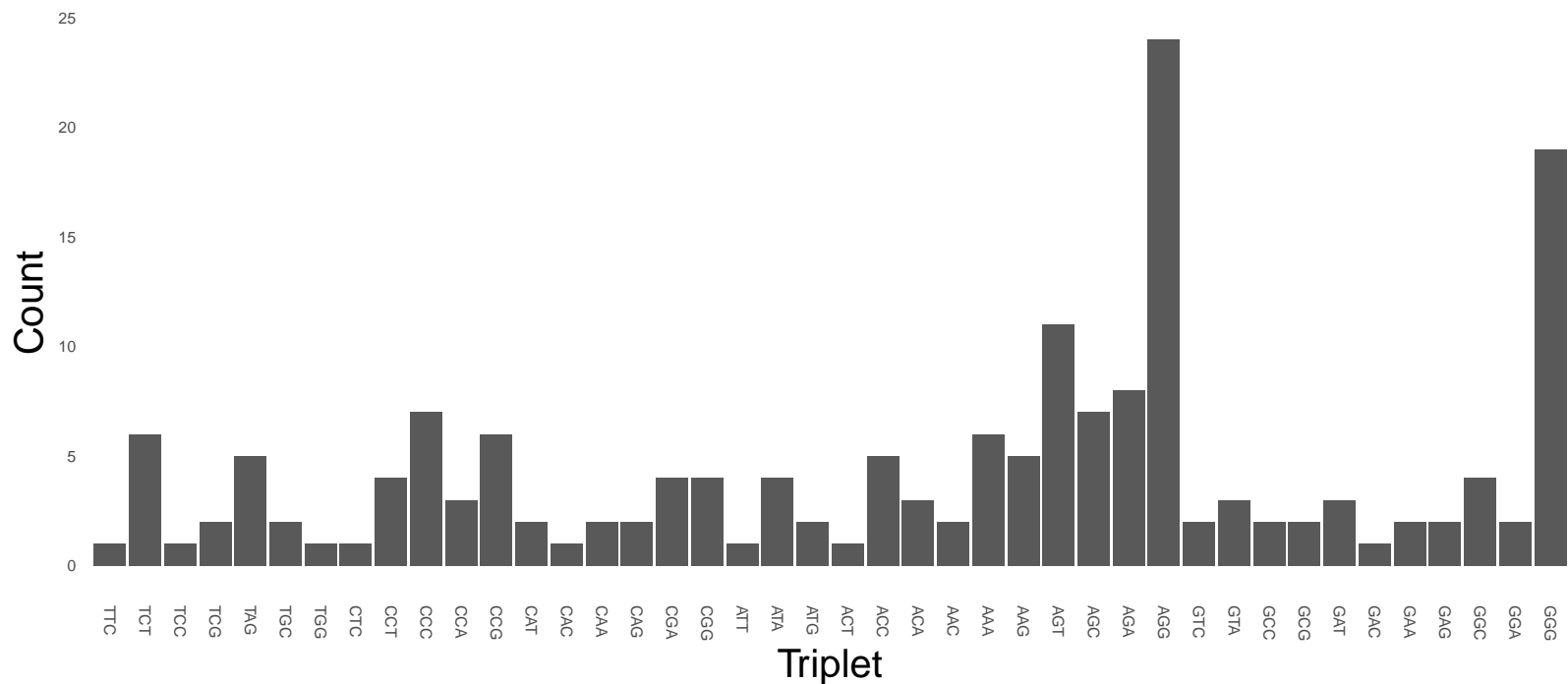
Gene TRBV7-1\*ap01\_G291C\_T296C



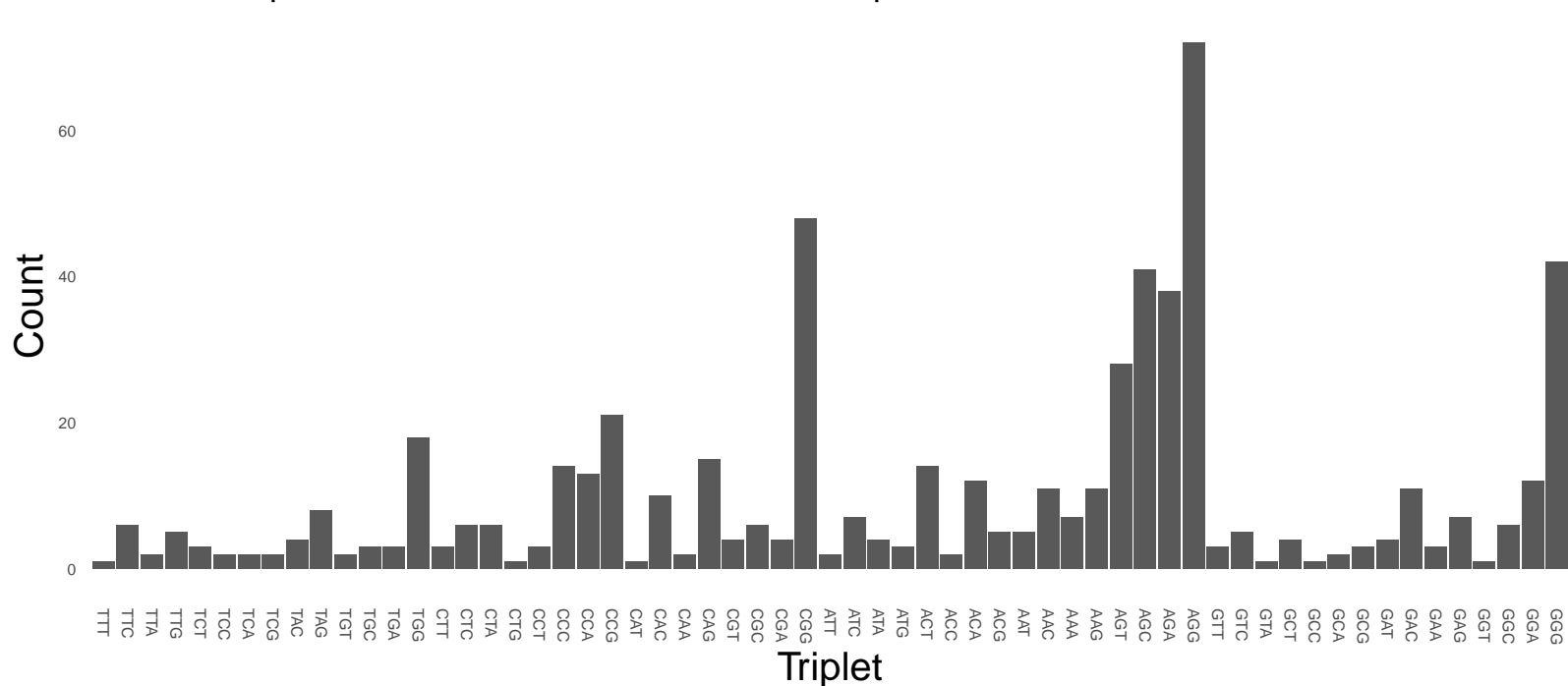
Gene TRBV7-7\*ap01\_C315T



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

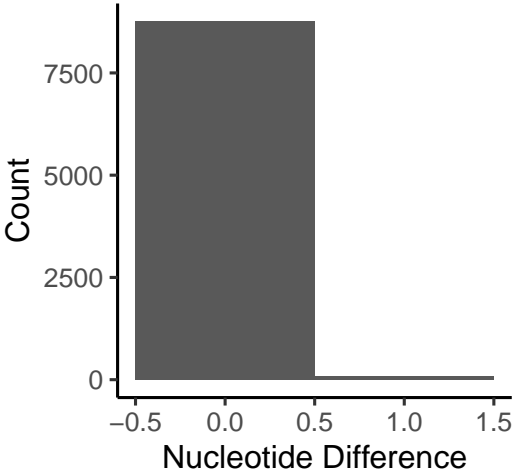


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



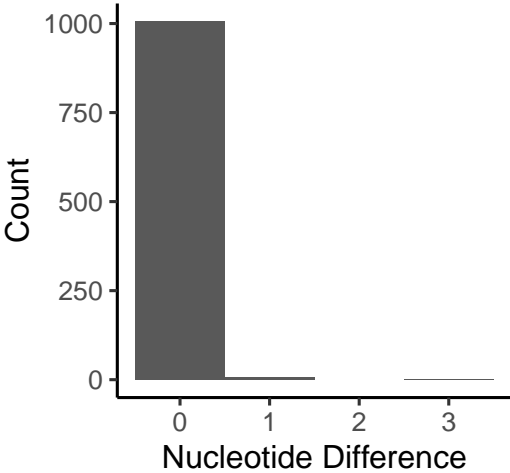
TRBV20-1\*ap01

8855 sequences assigned  
8760 (98.9%) exact matches, in which:  
8595 unique CDR3  
13 unique J



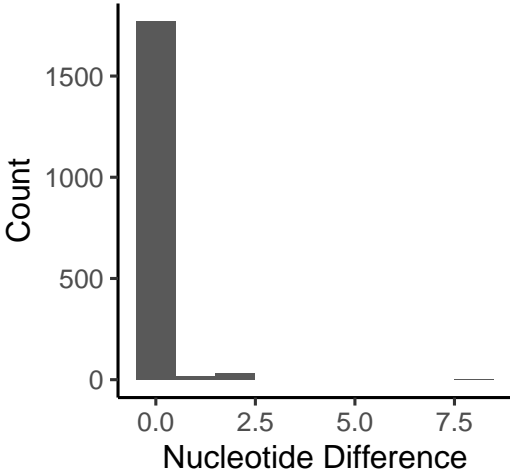
TRBV10-2\*ap01

1014 sequences assigned  
1006 (99.2%) exact matches, in which:  
981 unique CDR3  
13 unique J



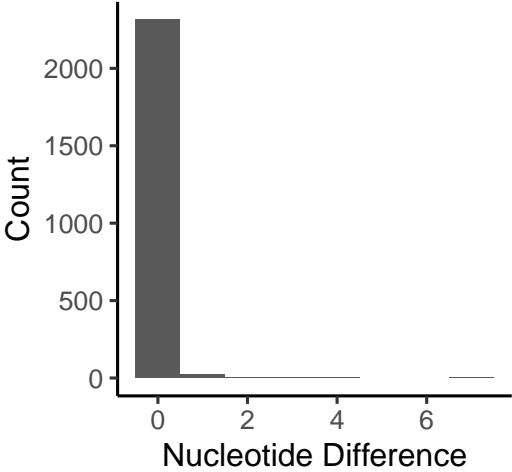
TRBV13\*ap01

1822 sequences assigned  
1770 (97.1%) exact matches, in which:  
1717 unique CDR3  
13 unique J



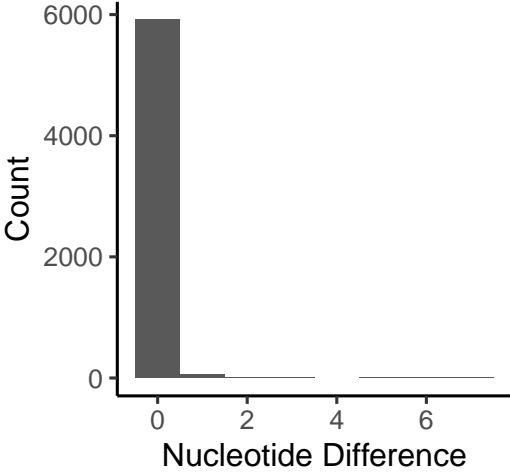
TRBV10-1\*ap01

2342 sequences assigned  
2314 (98.8%) exact matches, in which:  
2252 unique CDR3  
13 unique J



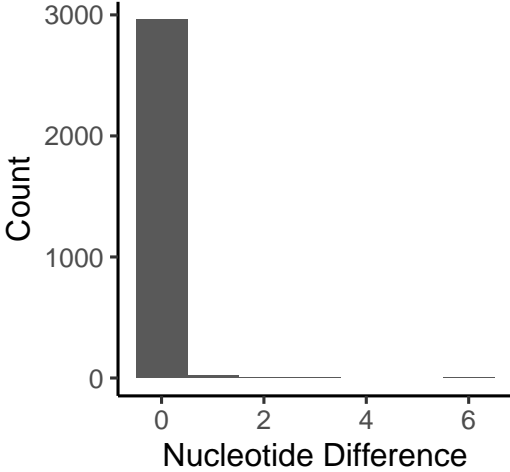
TRBV10-3\*ap01

5989 sequences assigned  
5915 (98.8%) exact matches, in which:  
5762 unique CDR3  
13 unique J



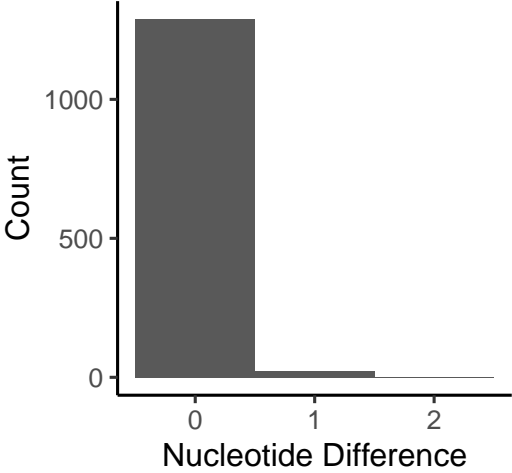
TRBV14\*ap01

2985 sequences assigned  
2960 (99.2%) exact matches, in which:  
2898 unique CDR3  
13 unique J



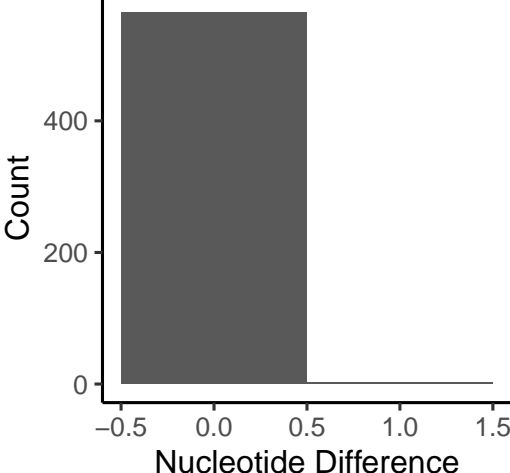
TRBV20-1\*ap02

1313 sequences assigned  
1289 (98.2%) exact matches, in which:  
1270 unique CDR3  
13 unique J



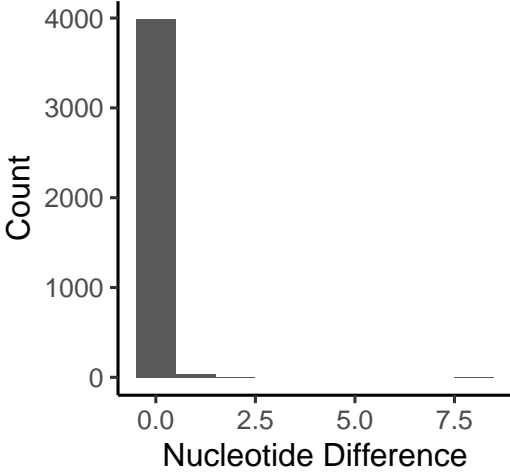
TRBV1\*ap01

568 sequences assigned  
565 (99.5%) exact matches, in which:  
555 unique CDR3  
13 unique J



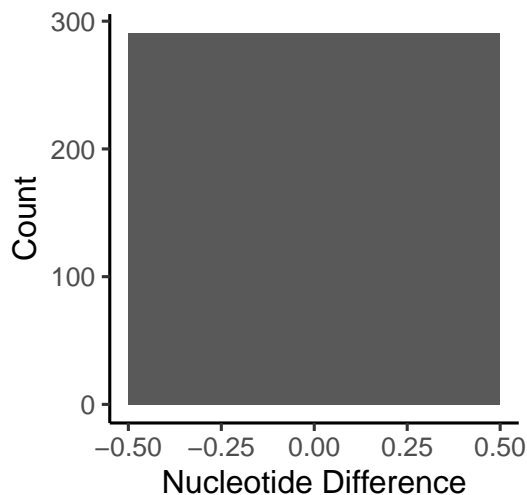
TRBV15\*ap02

4027 sequences assigned  
3989 (99.1%) exact matches, in which:  
3889 unique CDR3  
13 unique J



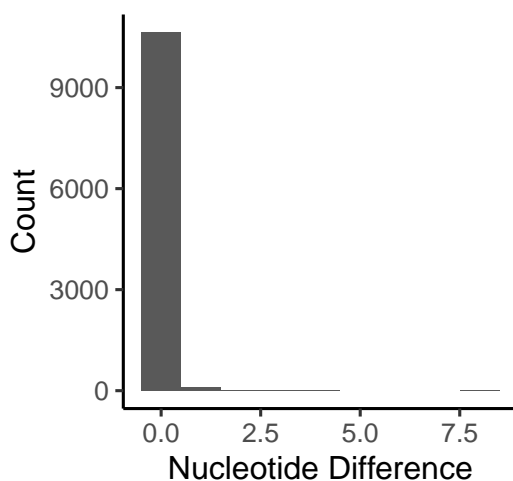
### TRBV16\*ap01

291 sequences assigned  
291 (100%) exact matches, in which:  
289 unique CDR3  
13 unique J



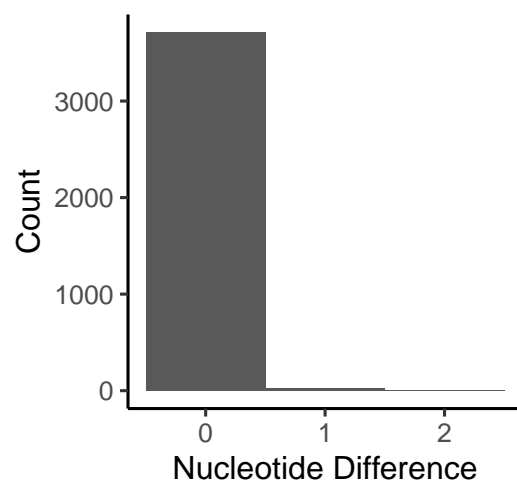
### TRBV2\*ap01

10747 sequences assigned  
10639 (99%) exact matches, in which:  
10399 unique CDR3  
13 unique J



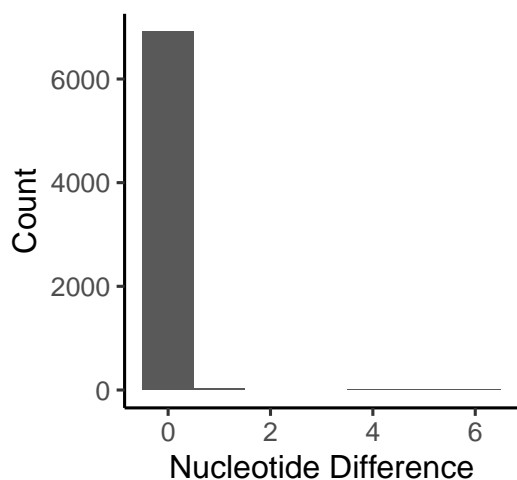
### TRBV30\*ap01

3741 sequences assigned  
3711 (99.2%) exact matches, in which:  
3656 unique CDR3  
13 unique J



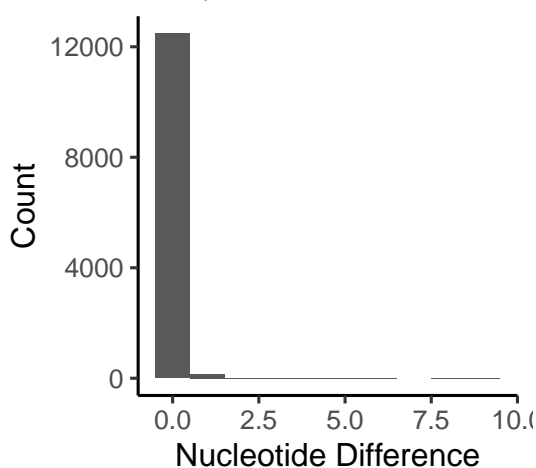
### TRBV18\*ap01

6947 sequences assigned  
6912 (99.5%) exact matches, in which:  
6806 unique CDR3  
13 unique J



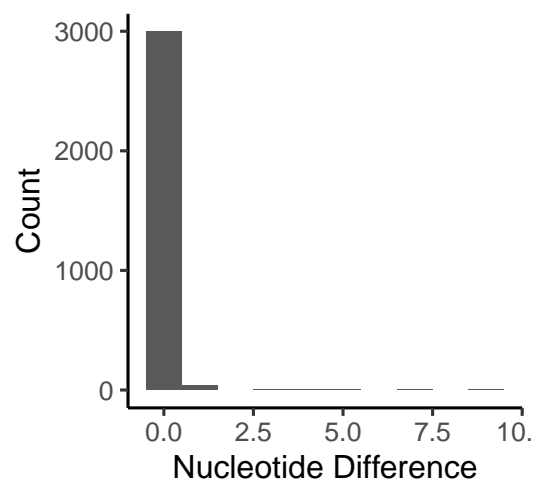
### TRBV27\*ap01

12662 sequences assigned  
12482 (98.6%) exact matches, in which:  
12148 unique CDR3  
13 unique J



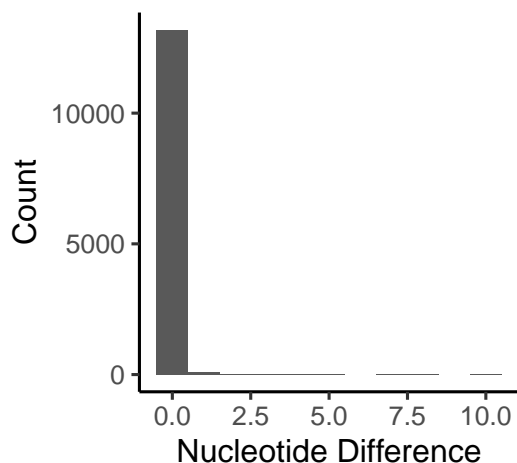
### TRBV30\*ap02

3040 sequences assigned  
2996 (98.6%) exact matches, in which:  
2963 unique CDR3  
13 unique J



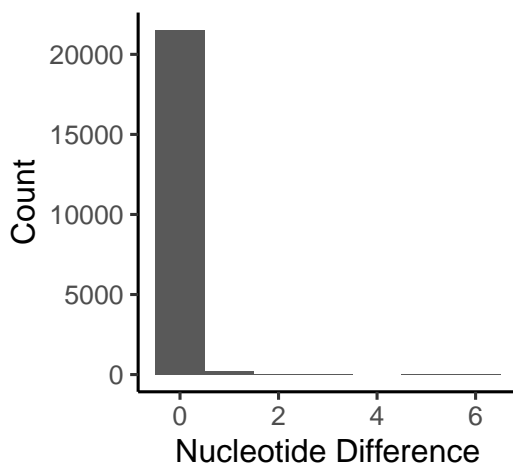
### TRBV19\*ap01

13314 sequences assigned  
13188 (99.1%) exact matches, in which:  
13003 unique CDR3  
13 unique J



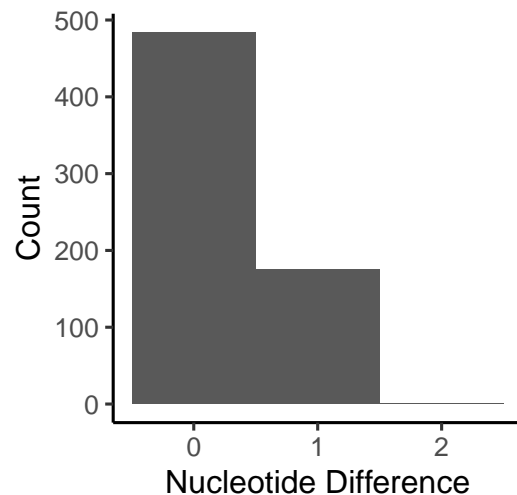
### TRBV28\*ap01

21765 sequences assigned  
21535 (98.9%) exact matches, in which:  
21076 unique CDR3  
14 unique J



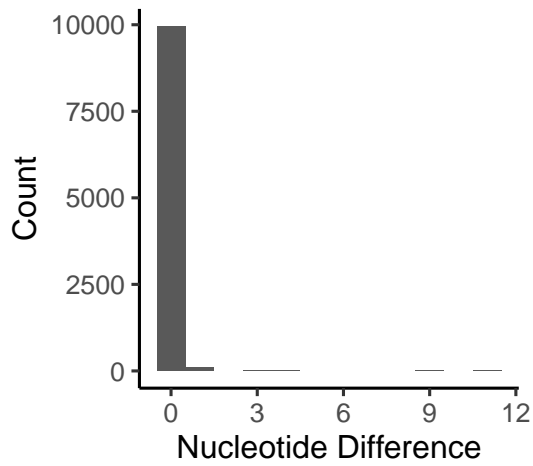
### TRBV30\*ap03

660 sequences assigned  
484 (73.3%) exact matches, in which:  
477 unique CDR3  
13 unique J



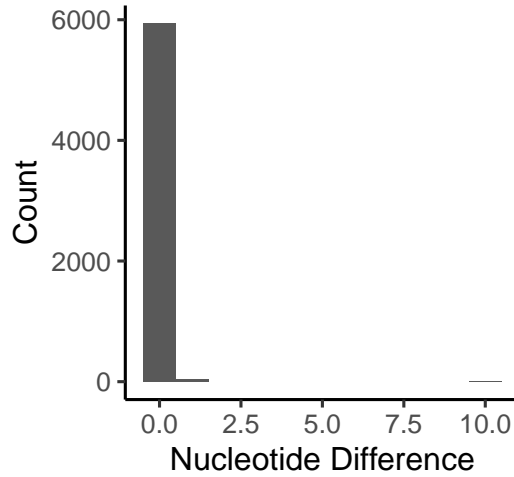
### TRBV9\*ap01

10053 sequences assigned  
9959 (99.1%) exact matches, in which:  
9743 unique CDR3  
13 unique J



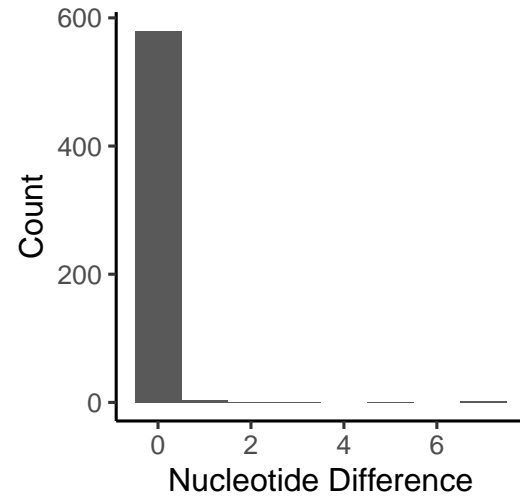
### TRBV11-2\*ap01

5985 sequences assigned  
5939 (99.2%) exact matches, in which:  
5809 unique CDR3  
13 unique J



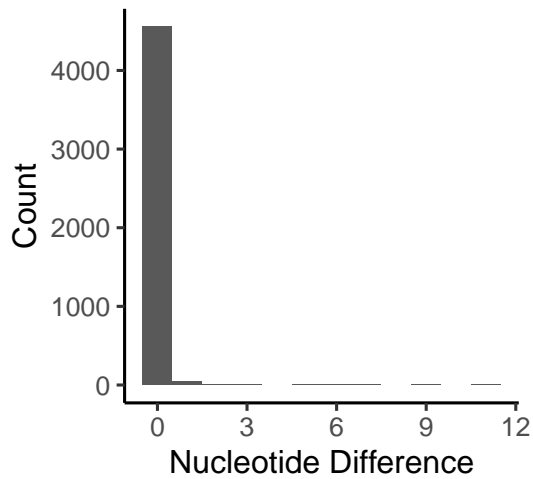
### TRBV12-2\*ap01

589 sequences assigned  
580 (98.5%) exact matches, in which:  
565 unique CDR3  
13 unique J



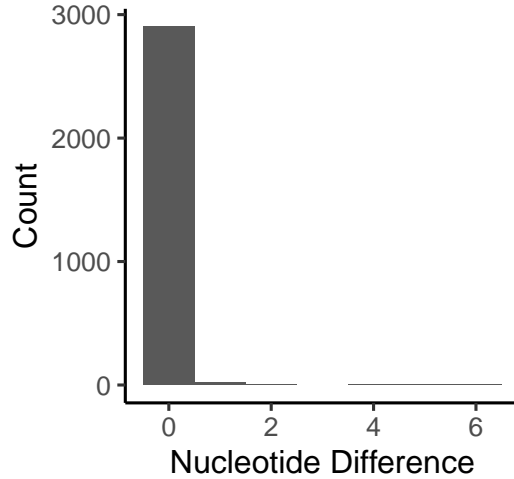
### TRBV21-1\*ap01

4633 sequences assigned  
4556 (98.3%) exact matches, in which:  
4469 unique CDR3  
13 unique J



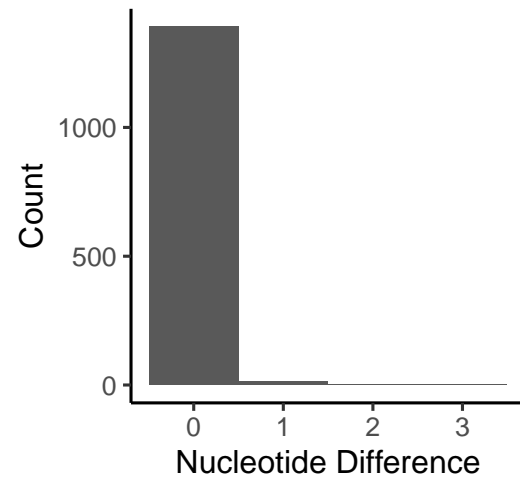
### TRBV11-3\*ap01

2927 sequences assigned  
2902 (99.1%) exact matches, in which:  
2855 unique CDR3  
13 unique J



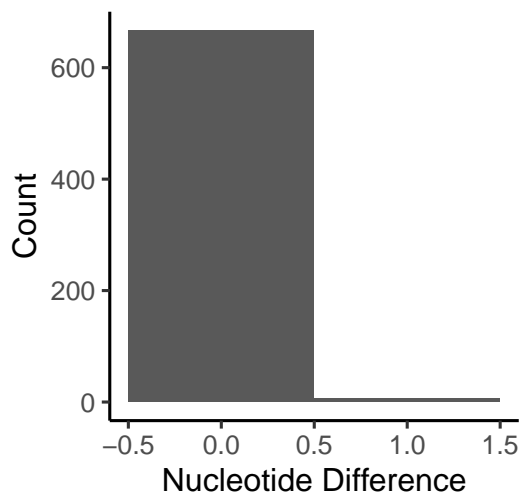
### TRBV12-5\*ap01

1406 sequences assigned  
1391 (98.9%) exact matches, in which:  
1373 unique CDR3  
13 unique J



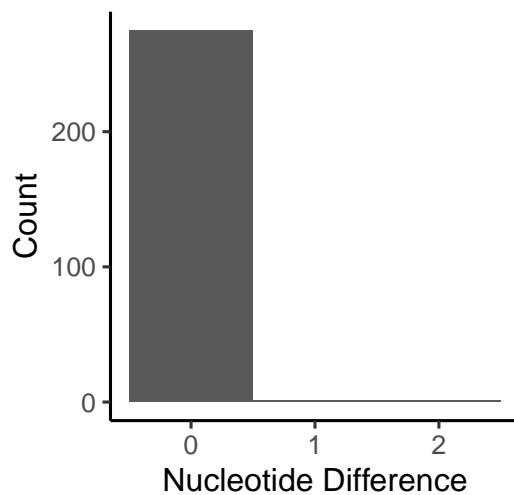
### TRBV11-1\*ap01

673 sequences assigned  
667 (99.1%) exact matches, in which:  
653 unique CDR3  
13 unique J



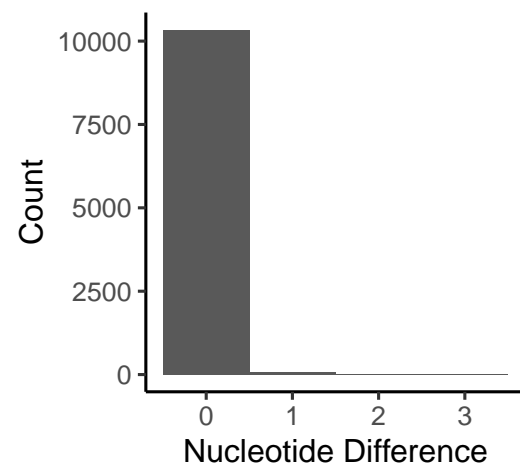
### TRBV12-1\*ap01

277 sequences assigned  
275 (99.3%) exact matches, in which:  
265 unique CDR3  
13 unique J



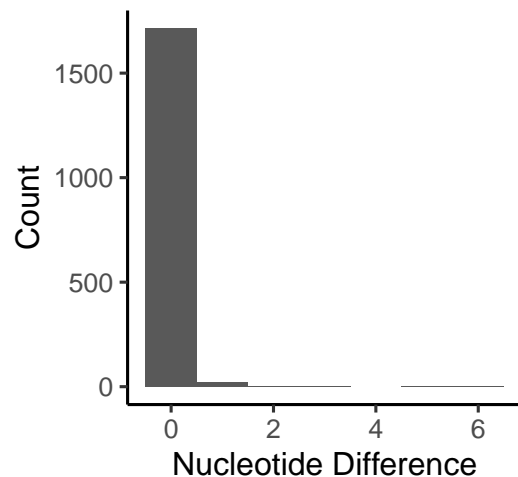
### TRBV12-34\*ap01

10432 sequences assigned  
10339 (99.1%) exact matches, in which:  
10139 unique CDR3  
13 unique J



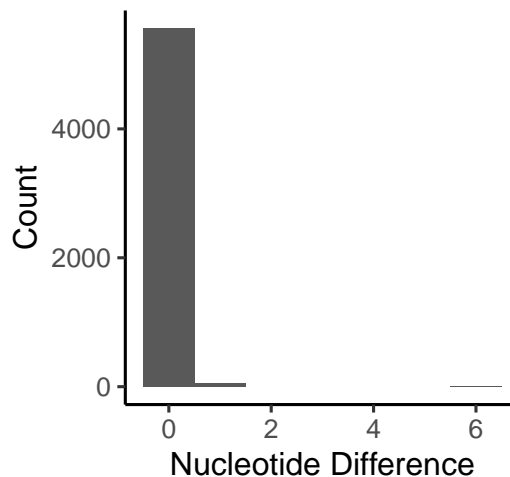
### TRBV23-1\*ap01

1740 sequences assigned  
1714 (98.5%) exact matches, in which:  
1676 unique CDR3  
13 unique J



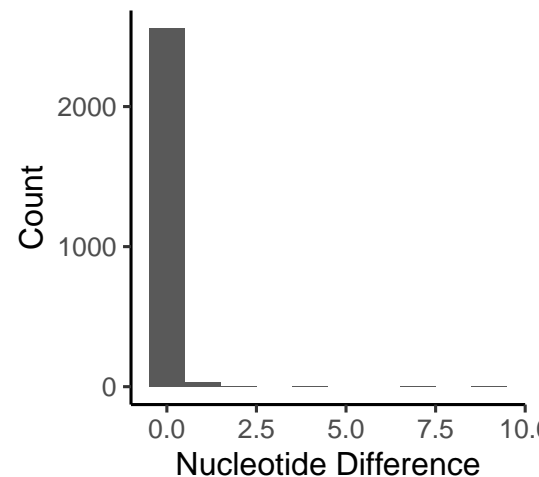
### TRBV4-1\*ap01

5620 sequences assigned  
5559 (98.9%) exact matches, in which:  
5441 unique CDR3  
13 unique J



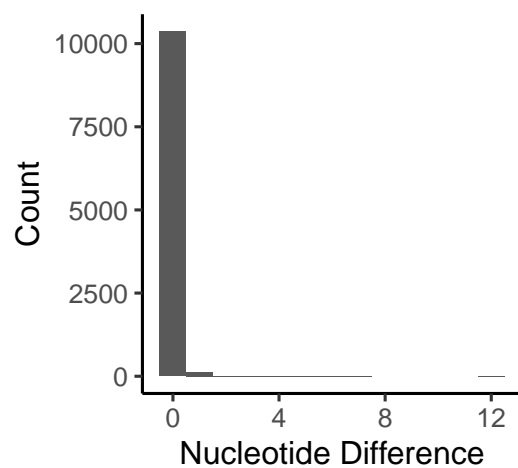
### TRBV25-1\*ap01

2594 sequences assigned  
2558 (98.6%) exact matches, in which:  
2513 unique CDR3  
13 unique J



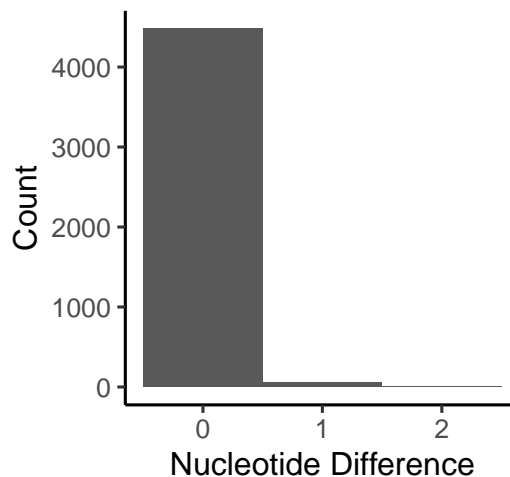
### TRBV3-12\*ap01

10511 sequences assigned  
10365 (98.6%) exact matches, in which:  
10107 unique CDR3  
13 unique J



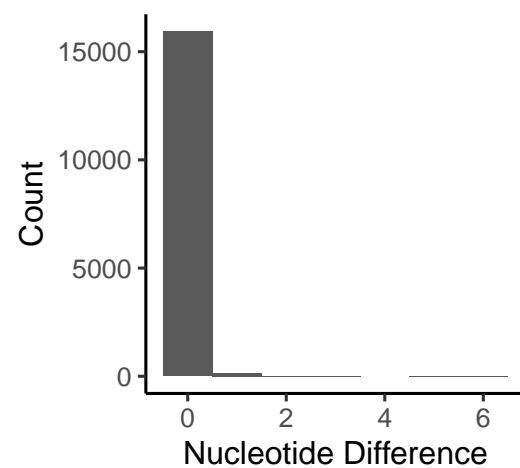
### TRBV4-2\*ap01

4536 sequences assigned  
4479 (98.7%) exact matches, in which:  
4386 unique CDR3  
13 unique J



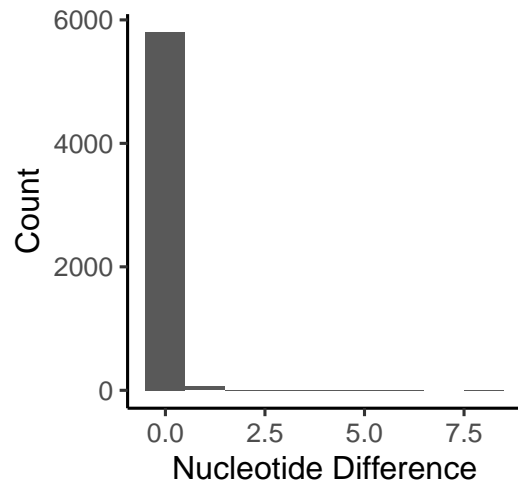
### TRBV5-1\*ap01

16107 sequences assigned  
15935 (98.9%) exact matches, in which:  
15550 unique CDR3  
13 unique J



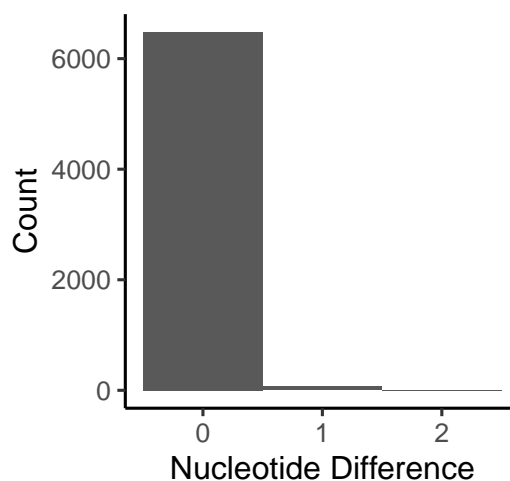
### TRBV24-1\*ap01

5889 sequences assigned  
5803 (98.5%) exact matches, in which:  
5720 unique CDR3  
13 unique J



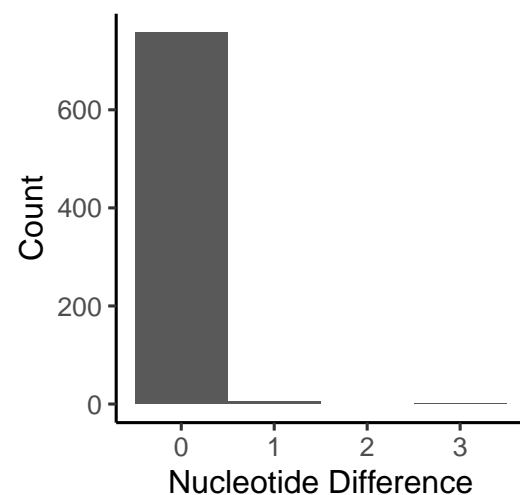
### TRBV4-3\*ap01

6556 sequences assigned  
6481 (98.9%) exact matches, in which:  
6341 unique CDR3  
13 unique J



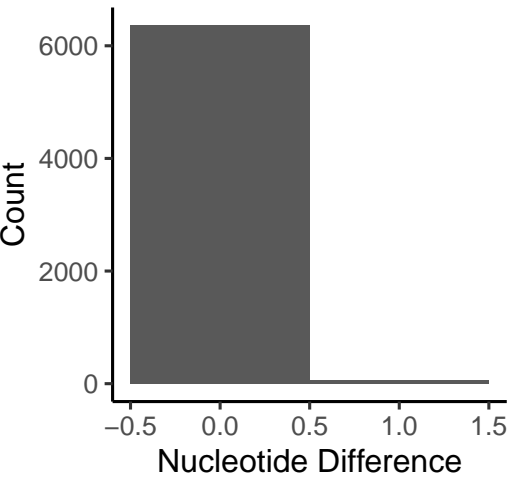
### TRBV5-3\*ap01

766 sequences assigned  
758 (99%) exact matches, in which:  
743 unique CDR3  
13 unique J



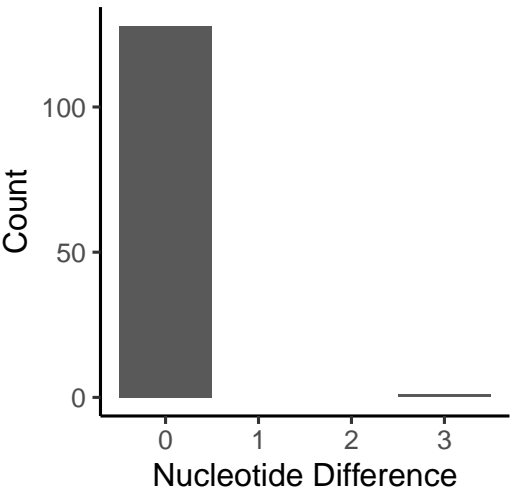
TRBV5-4\*ap01

6433 sequences assigned  
6362 (98.9%) exact matches, in which:  
6206 unique CDR3  
13 unique J



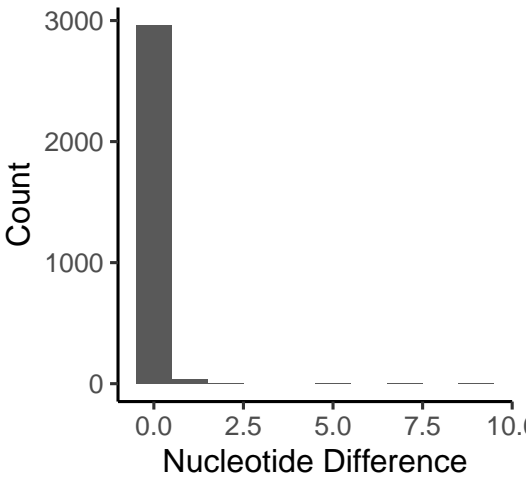
TRBV5-7\*ap01

129 sequences assigned  
128 (99.2%) exact matches, in which:  
126 unique CDR3  
13 unique J



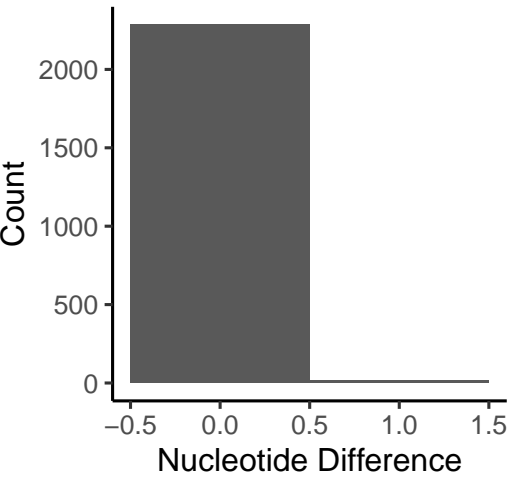
TRBV6-4\*ap01

3005 sequences assigned  
2960 (98.5%) exact matches, in which:  
2884 unique CDR3  
13 unique J



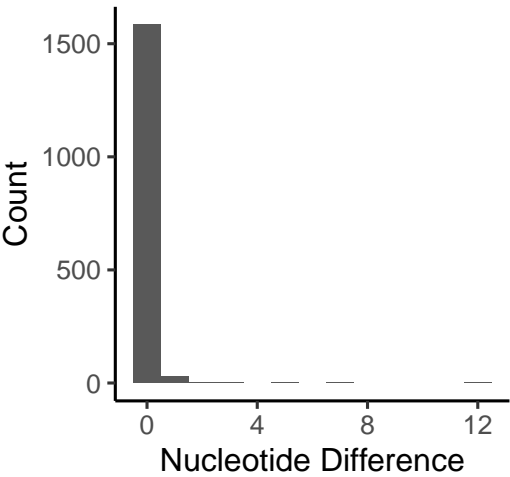
TRBV5-5\*ap01

2304 sequences assigned  
2285 (99.2%) exact matches, in which:  
2251 unique CDR3  
13 unique J



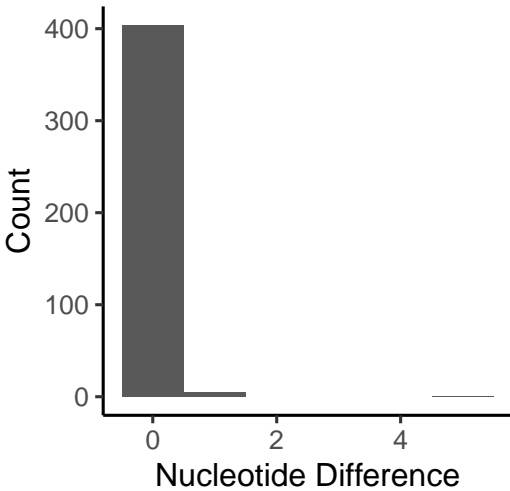
TRBV5-8\*ap01

1620 sequences assigned  
1584 (97.8%) exact matches, in which:  
1537 unique CDR3  
13 unique J



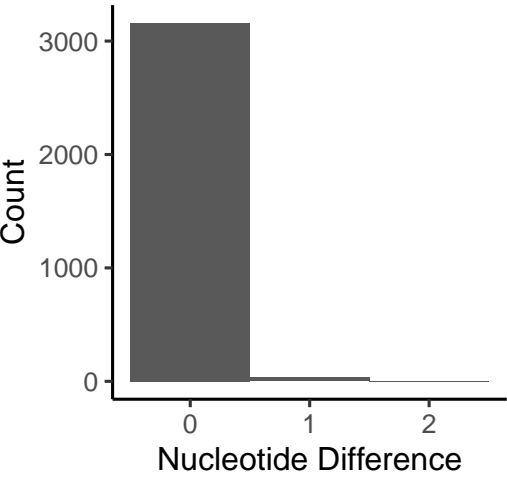
TRBV6-7\*ap01

410 sequences assigned  
404 (98.5%) exact matches, in which:  
392 unique CDR3  
13 unique J



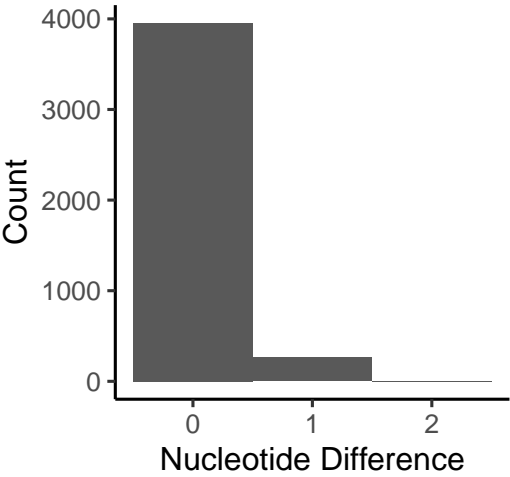
TRBV5-6\*ap01

3195 sequences assigned  
3159 (98.9%) exact matches, in which:  
3090 unique CDR3  
13 unique J



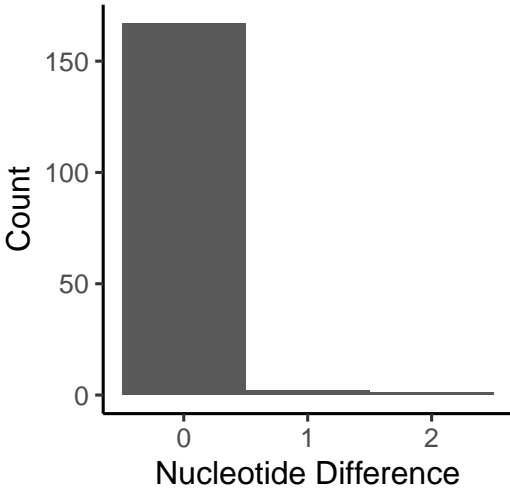
TRBV6-1\*ap01

4222 sequences assigned  
3954 (93.7%) exact matches, in which:  
3880 unique CDR3  
13 unique J



TRBV6-8\*ap01

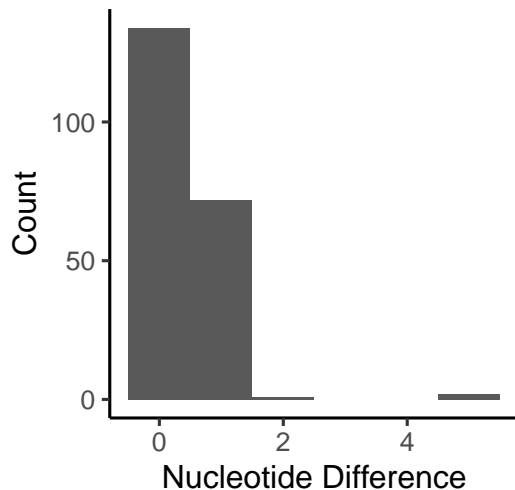
170 sequences assigned  
167 (98.2%) exact matches, in which:  
163 unique CDR3  
12 unique J





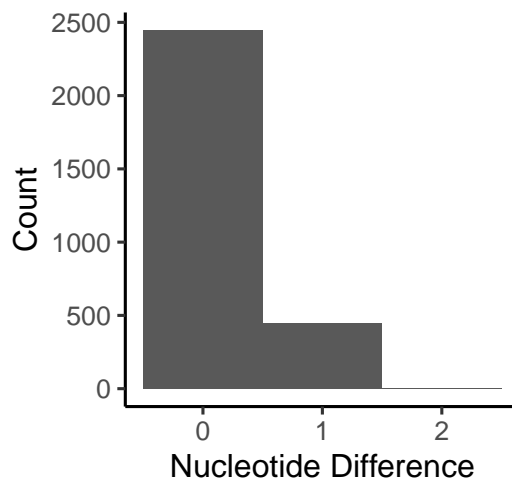
### TRBV6-9\*ap01

209 sequences assigned  
134 (64.1%) exact matches, in which:  
131 unique CDR3  
13 unique J



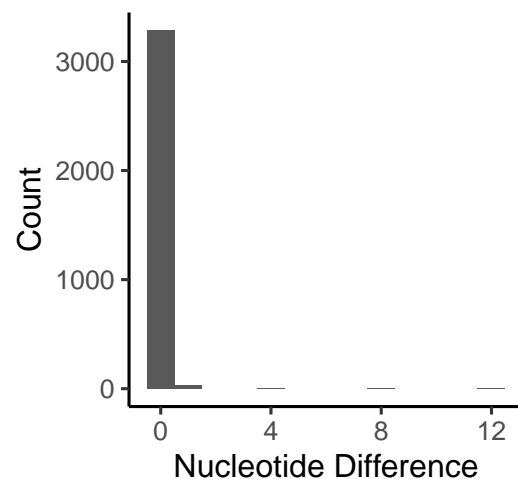
### TRBV6-56\*ap02

2896 sequences assigned  
2445 (84.4%) exact matches, in which:  
2376 unique CDR3  
13 unique J



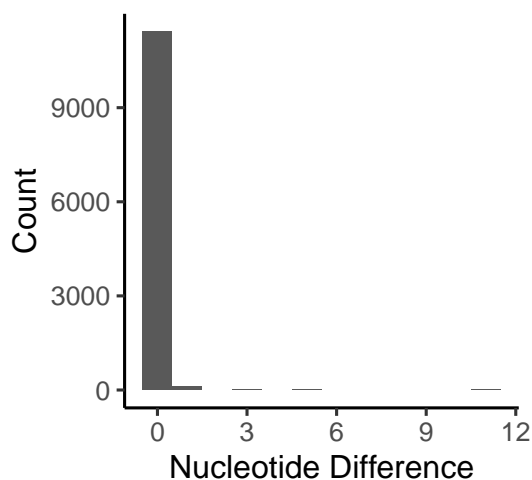
### TRBV7-3\*ap01

3319 sequences assigned  
3285 (99%) exact matches, in which:  
3220 unique CDR3  
13 unique J



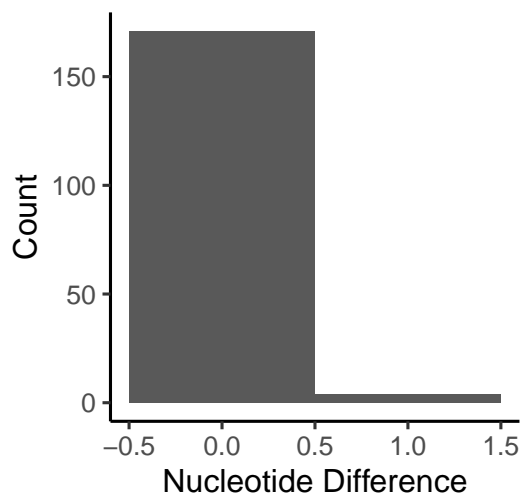
### TRBV6-23\*ap01

11524 sequences assigned  
11421 (99.1%) exact matches, in which:  
11141 unique CDR3  
13 unique J



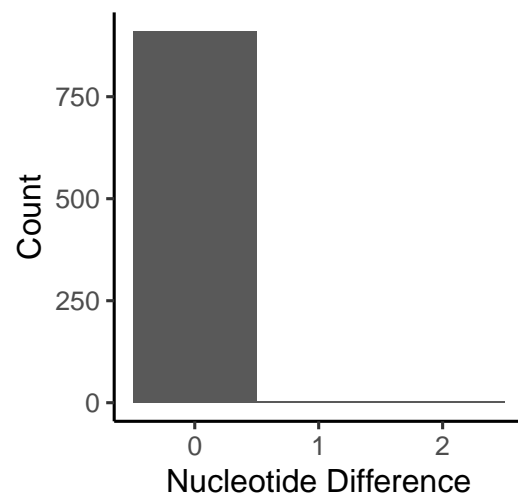
### TRBV7-1\*ap01\_G291C\_

175 sequences assigned  
171 (97.7%) exact matches, in which:  
159 unique CDR3  
13 unique J



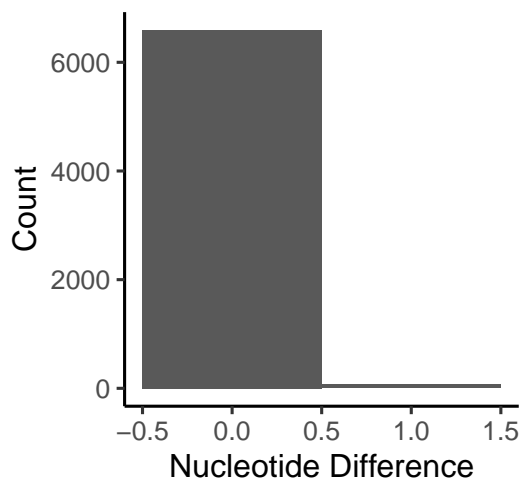
### TRBV7-3\*ap02

918 sequences assigned  
911 (99.2%) exact matches, in which:  
885 unique CDR3  
12 unique J



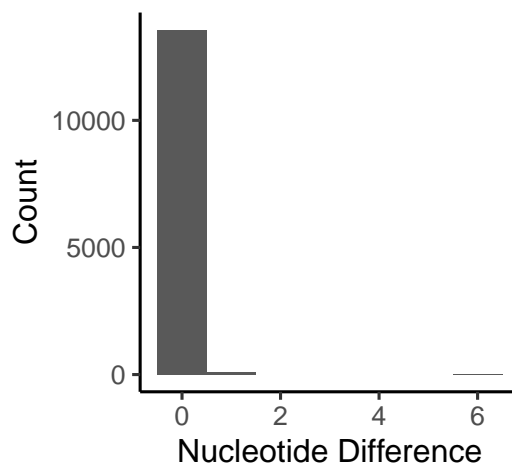
### TRBV6-56\*ap01

6667 sequences assigned  
6594 (98.9%) exact matches, in which:  
6440 unique CDR3  
13 unique J



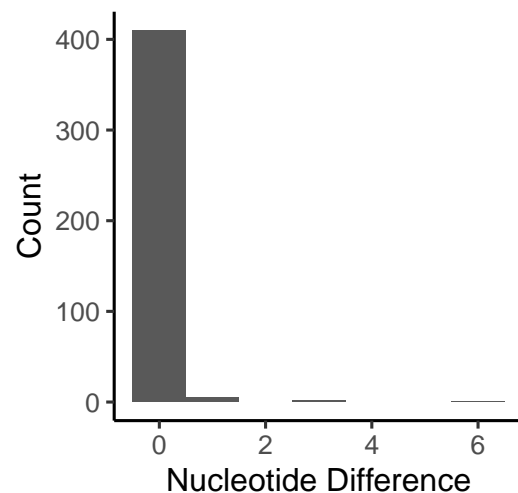
### TRBV7-2\*ap01

13667 sequences assigned  
13562 (99.2%) exact matches, in which:  
13270 unique CDR3  
13 unique J



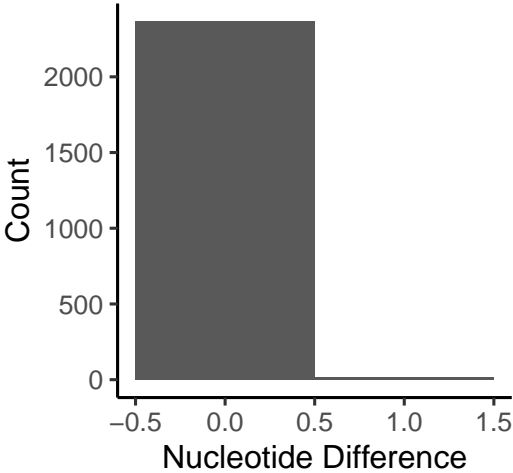
### TRBV7-4\*ap01

418 sequences assigned  
410 (98.1%) exact matches, in which:  
405 unique CDR3  
13 unique J



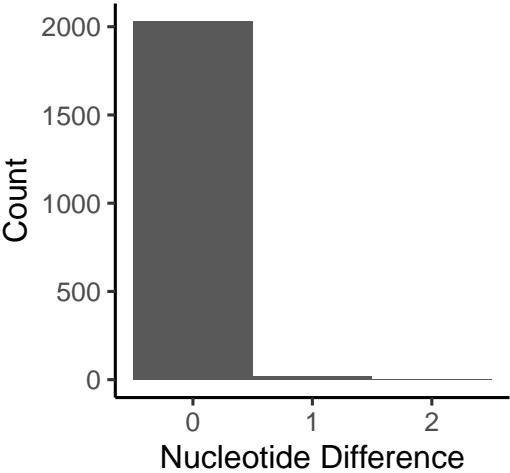
TRBV7-6\*ap01

2385 sequences assigned  
2366 (99.2%) exact matches, in which:  
2302 unique CDR3  
13 unique J



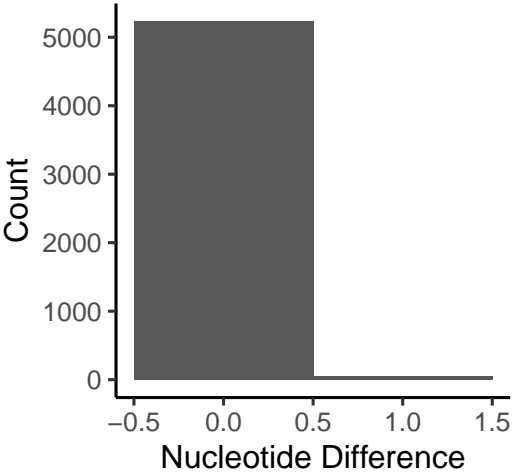
TRBV7-8\*ap01

2052 sequences assigned  
2030 (98.9%) exact matches, in which:  
1978 unique CDR3  
13 unique J



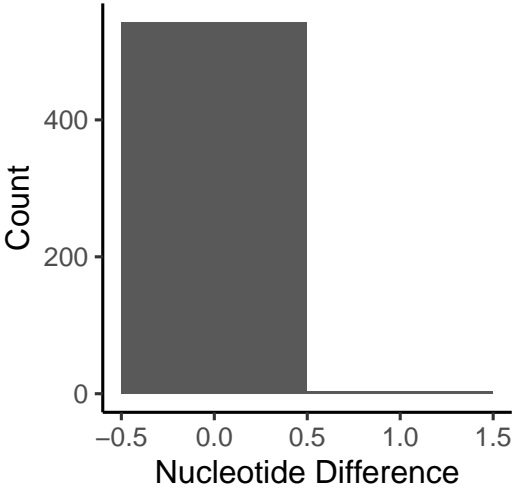
TRBV29-1\*ap01

5288 sequences assigned  
5231 (98.9%) exact matches, in which:  
5131 unique CDR3  
13 unique J



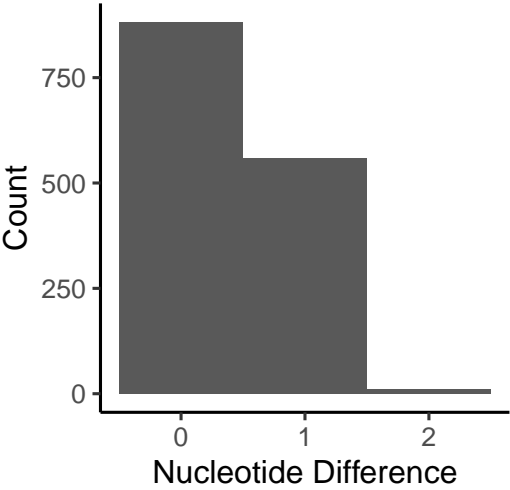
TRBV7-7\*ap01

547 sequences assigned  
543 (99.3%) exact matches, in which:  
529 unique CDR3  
13 unique J



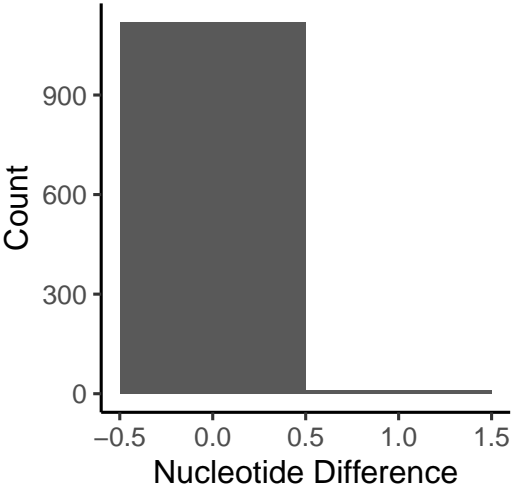
TRBV7-8\*ap03

1450 sequences assigned  
882 (60.8%) exact matches, in which:  
850 unique CDR3  
13 unique J



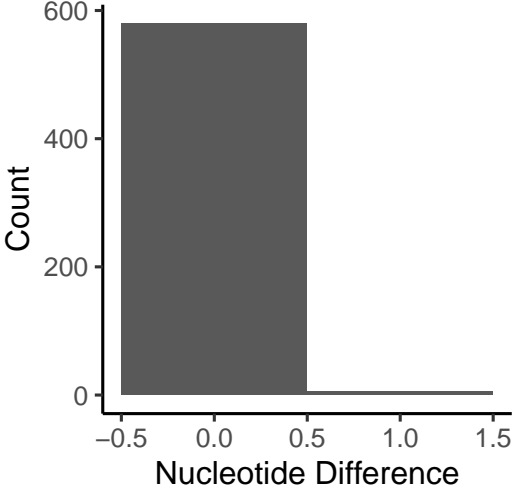
TRBV29-1\*ap02

1131 sequences assigned  
1120 (99%) exact matches, in which:  
1092 unique CDR3  
13 unique J



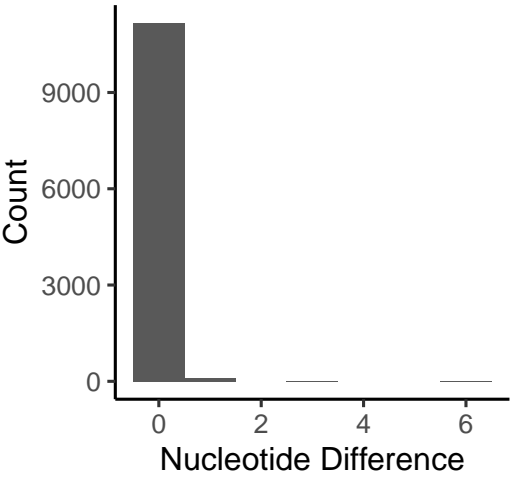
TRBV7-7\*ap01\_C315T

585 sequences assigned  
580 (99.1%) exact matches, in which:  
563 unique CDR3  
13 unique J

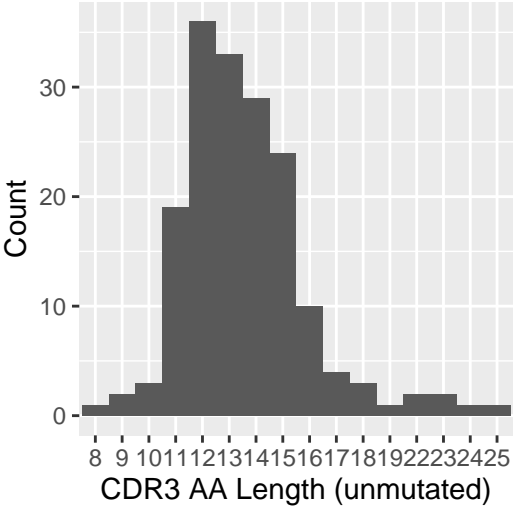


TRBV7-9\*ap01

11260 sequences assigned  
11164 (99.1%) exact matches, in which:  
10967 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

