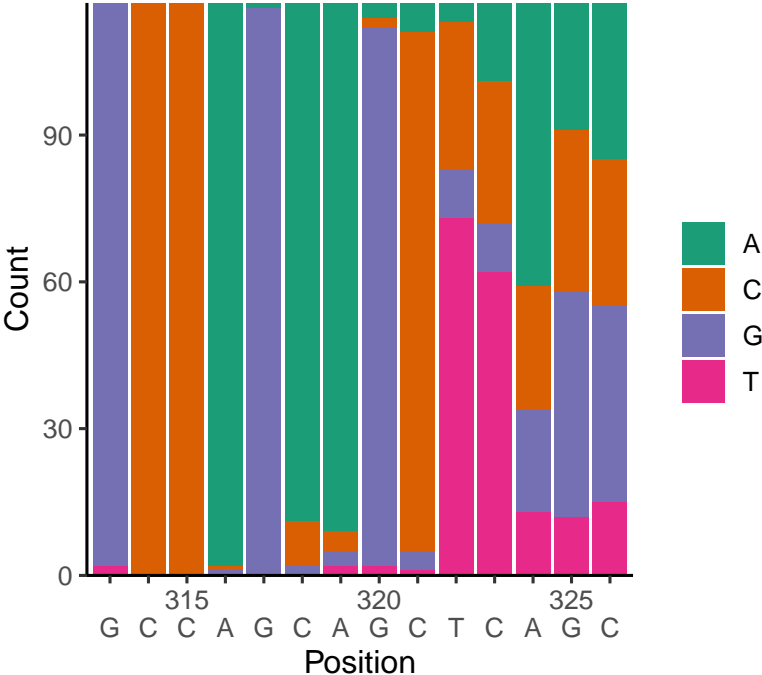
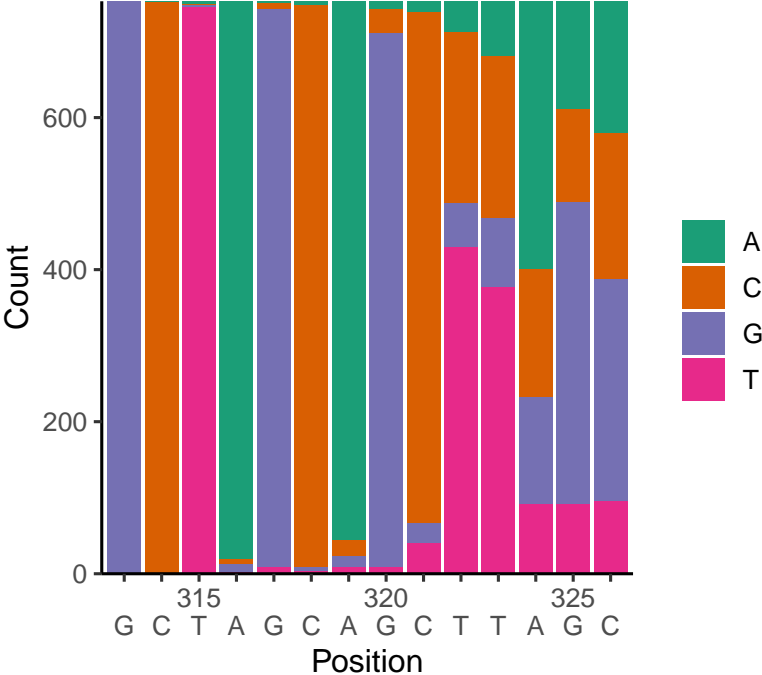


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



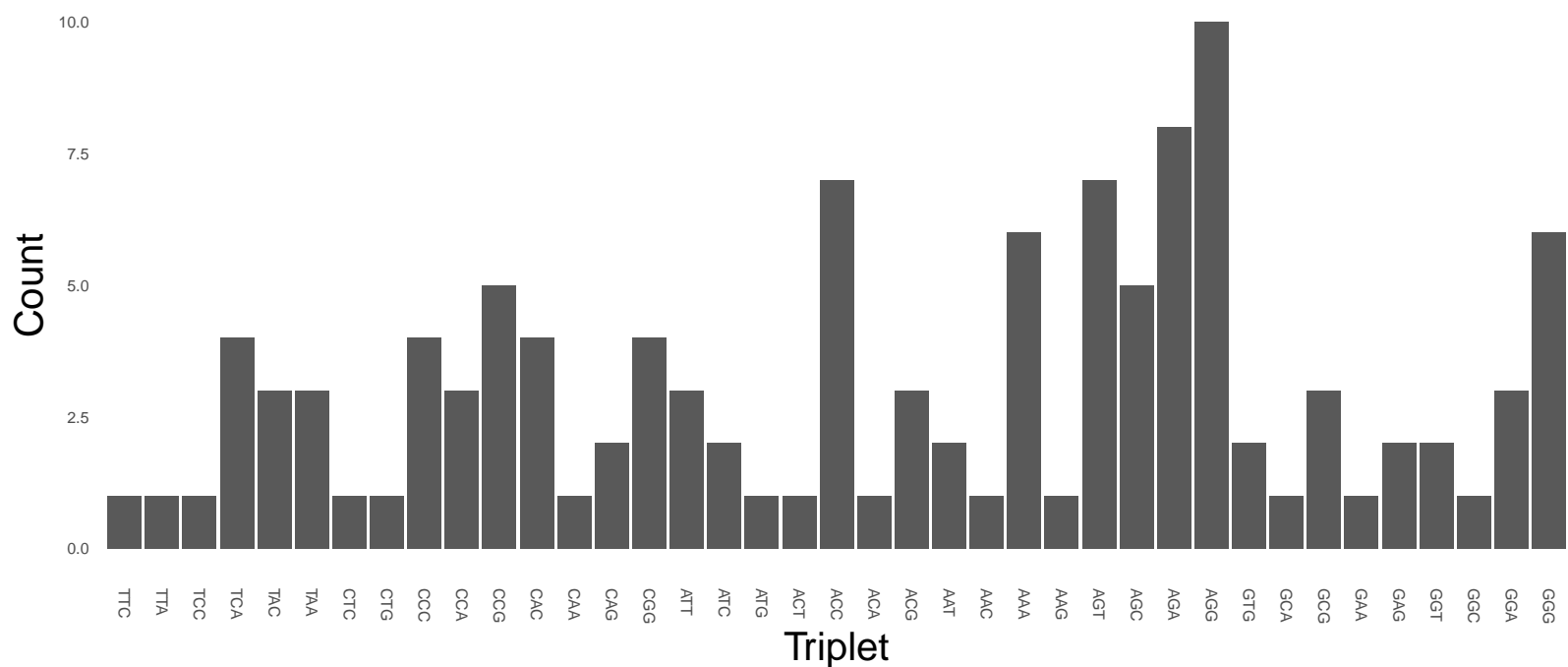
Gene TRBV7-1\*ap01\_G291C\_T296C



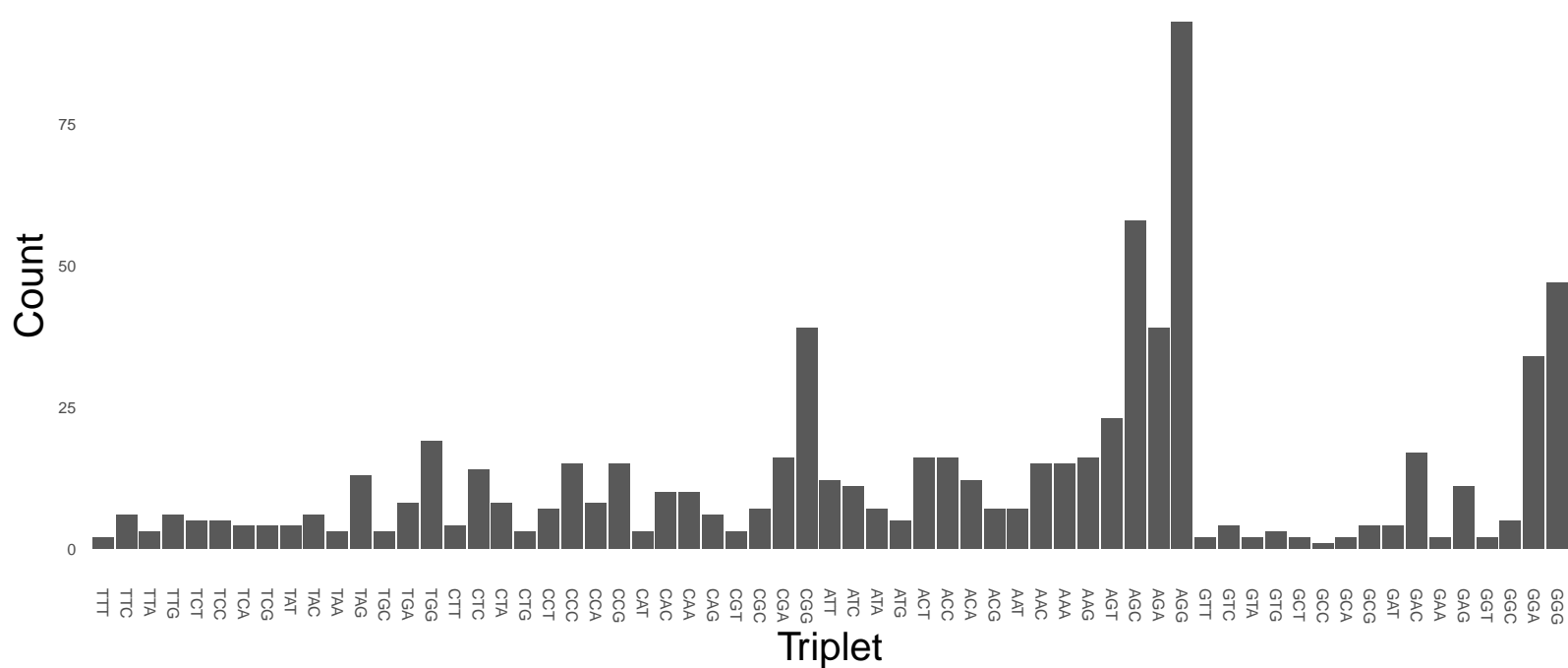
Gene TRBV7-7\*ap01\_C315T



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

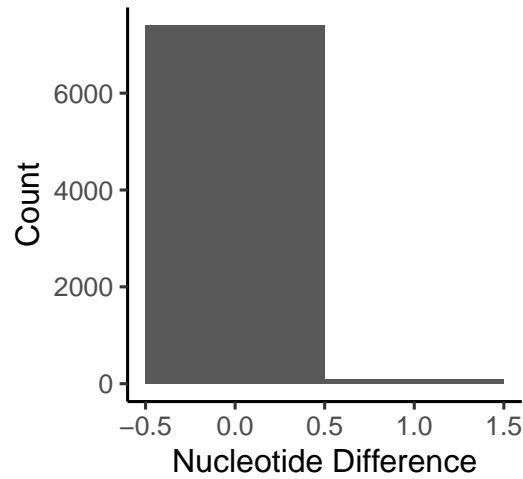


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



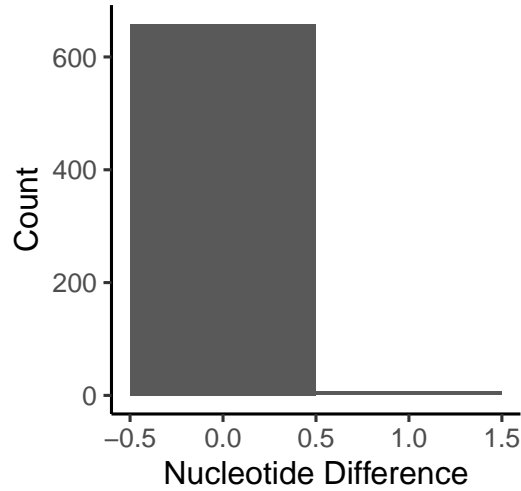
### TRBV20–1\*ap01

7502 sequences assigned  
7399 (98.6%) exact matches, in which:  
7194 unique CDR3  
13 unique J



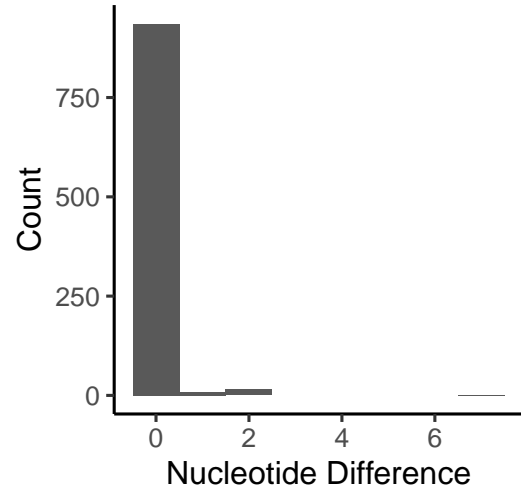
### TRBV10–2\*ap01

666 sequences assigned  
659 (98.9%) exact matches, in which:  
638 unique CDR3  
13 unique J



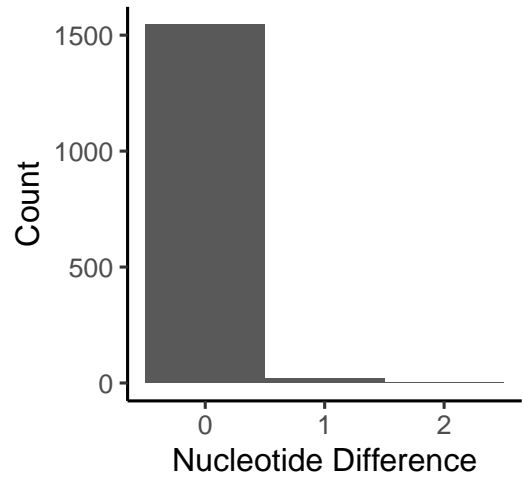
### TRBV13\*ap01

961 sequences assigned  
936 (97.4%) exact matches, in which:  
907 unique CDR3  
13 unique J



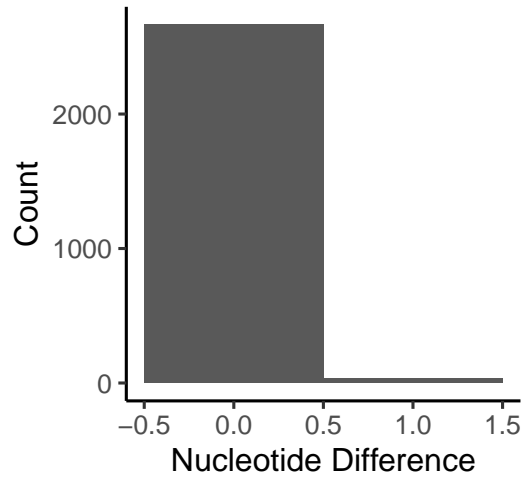
### TRBV10–1\*ap01

1565 sequences assigned  
1545 (98.7%) exact matches, in which:  
1479 unique CDR3  
13 unique J



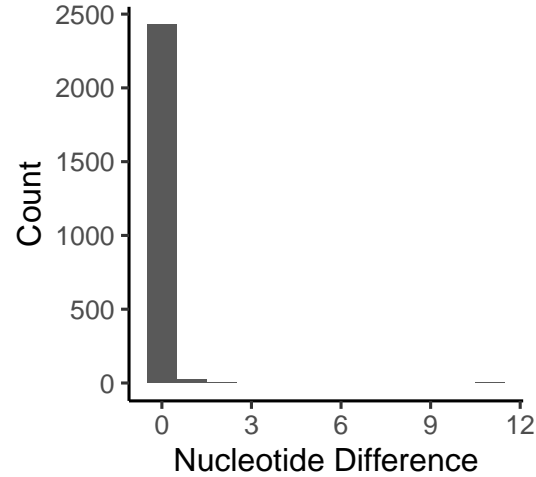
### TRBV10–3\*ap01

2696 sequences assigned  
2664 (98.8%) exact matches, in which:  
2565 unique CDR3  
13 unique J



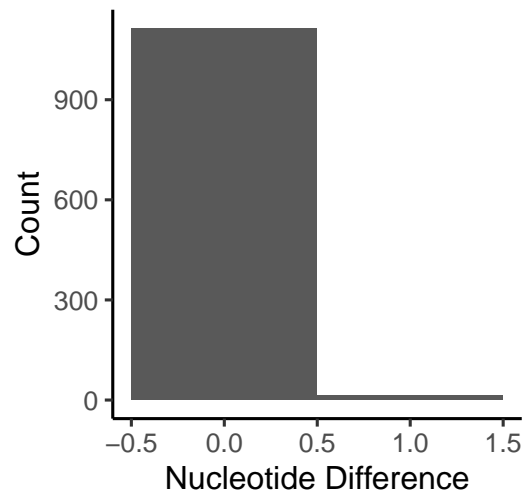
### TRBV14\*ap01

2454 sequences assigned  
2428 (98.9%) exact matches, in which:  
2335 unique CDR3  
13 unique J



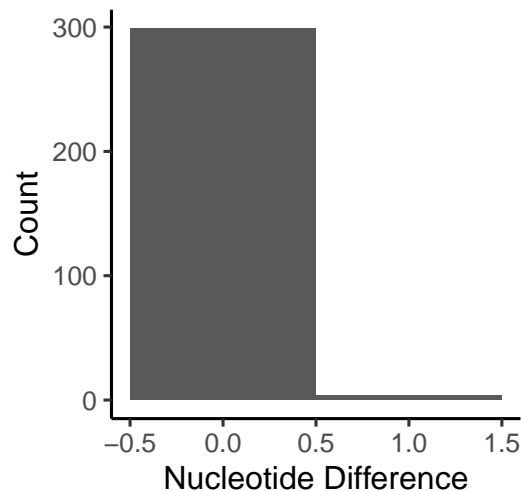
### TRBV20–1\*ap02

1128 sequences assigned  
1114 (98.8%) exact matches, in which:  
1072 unique CDR3  
13 unique J



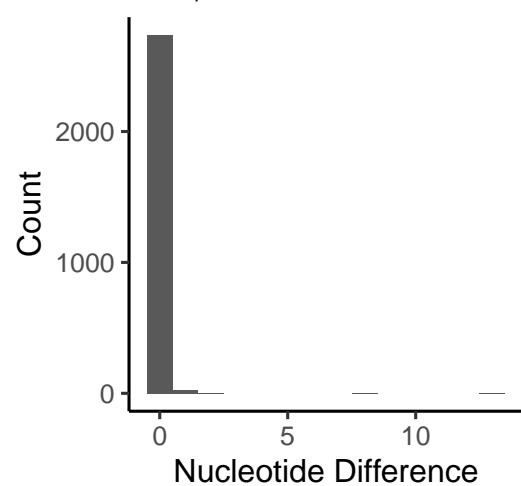
### TRBV1\*ap01

303 sequences assigned  
299 (98.7%) exact matches, in which:  
289 unique CDR3  
13 unique J



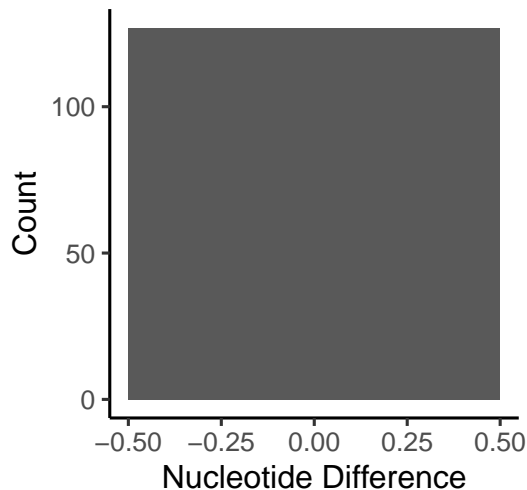
### TRBV15\*ap02

2766 sequences assigned  
2737 (99%) exact matches, in which:  
2650 unique CDR3  
13 unique J



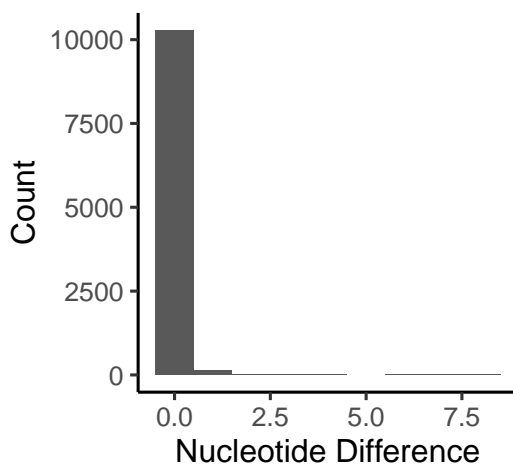
### TRBV16\*ap01

127 sequences assigned  
127 (100%) exact matches, in which:  
122 unique CDR3  
12 unique J



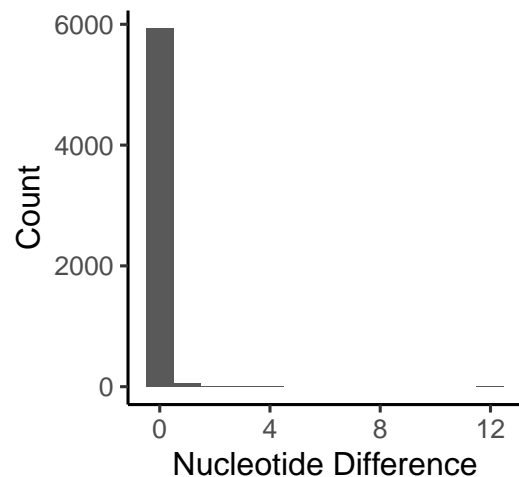
### TRBV19\*ap01

10424 sequences assigned  
10283 (98.6%) exact matches, in which:  
10029 unique CDR3  
13 unique J



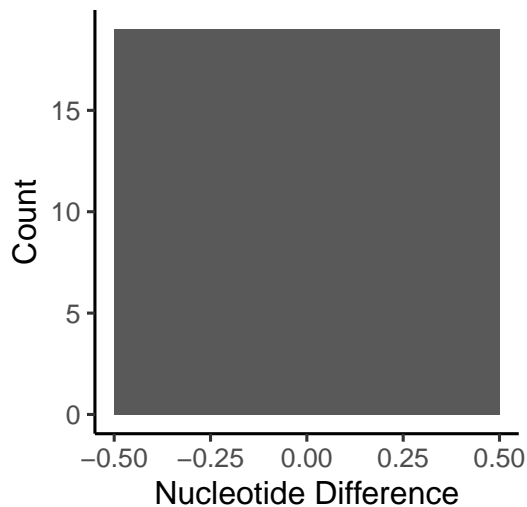
### TRBV27\*ap01

6002 sequences assigned  
5932 (98.8%) exact matches, in which:  
5717 unique CDR3  
13 unique J



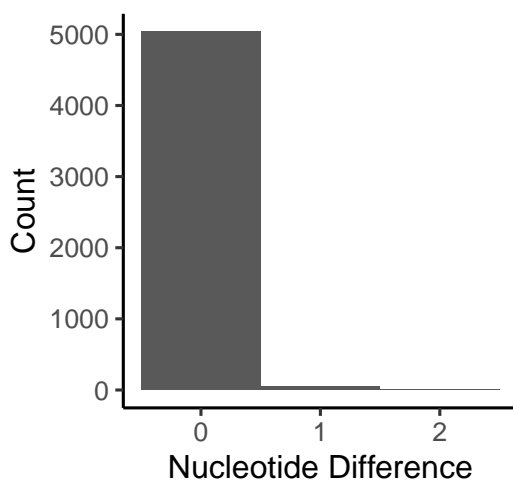
### TRBV17\*ap01

19 sequences assigned  
19 (100%) exact matches, in which:  
19 unique CDR3  
10 unique J



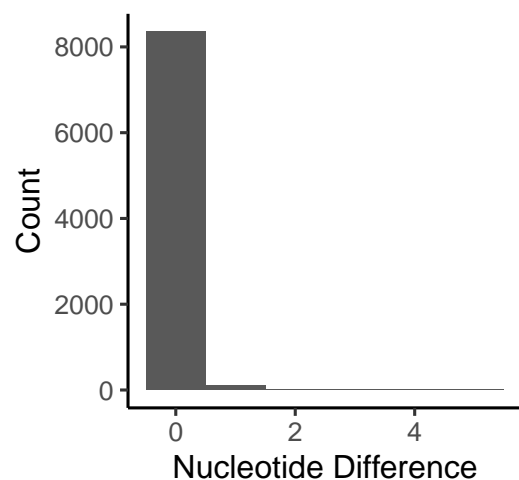
### TRBV2\*ap01

5091 sequences assigned  
5037 (98.9%) exact matches, in which:  
4920 unique CDR3  
13 unique J



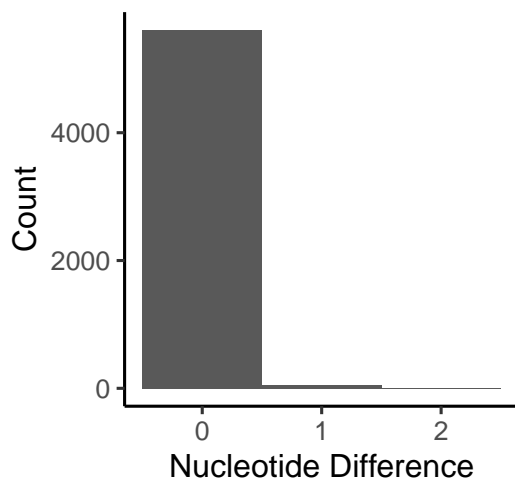
### TRBV28\*ap01

8457 sequences assigned  
8354 (98.8%) exact matches, in which:  
8074 unique CDR3  
13 unique J



### TRBV18\*ap01

5657 sequences assigned  
5607 (99.1%) exact matches, in which:  
5448 unique CDR3  
13 unique J



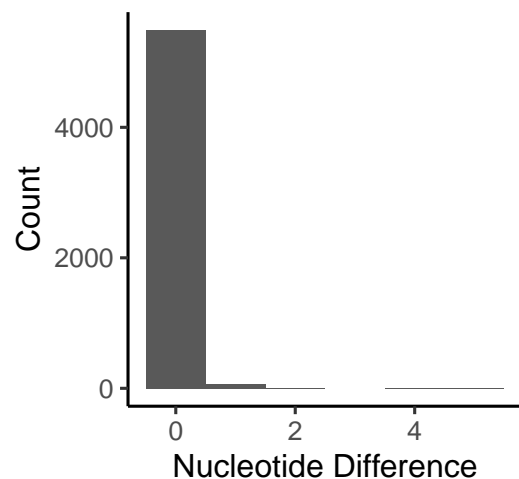
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



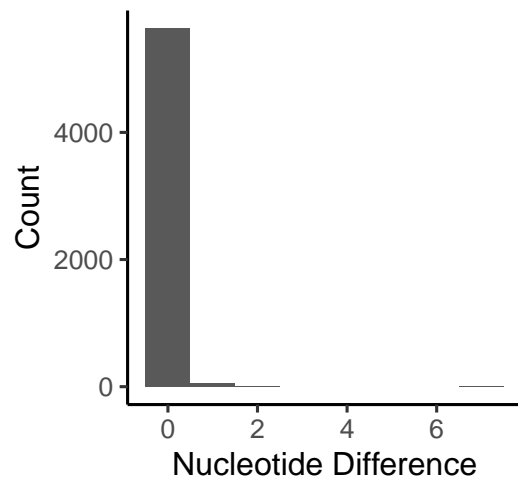
### TRBV30\*ap01

5566 sequences assigned  
5491 (98.7%) exact matches, in which:  
5405 unique CDR3  
13 unique J



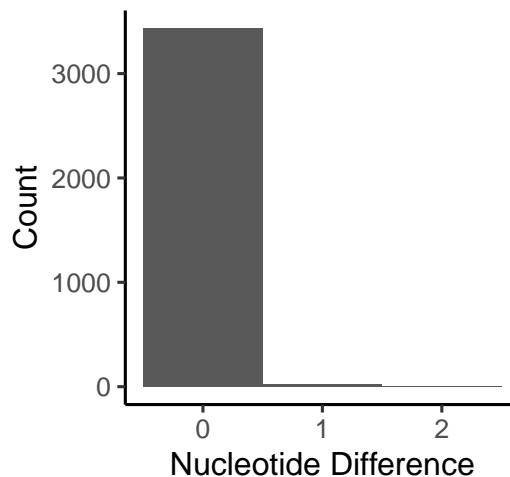
### TRBV9\*ap01

5689 sequences assigned  
5636 (99.1%) exact matches, in which:  
5467 unique CDR3  
13 unique J



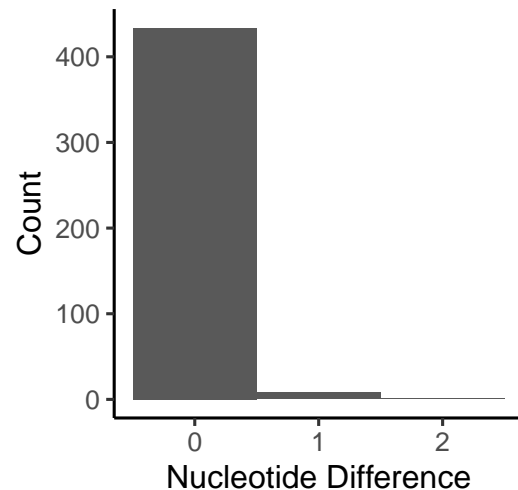
### TRBV11-2\*ap01

3463 sequences assigned  
3433 (99.1%) exact matches, in which:  
3339 unique CDR3  
13 unique J



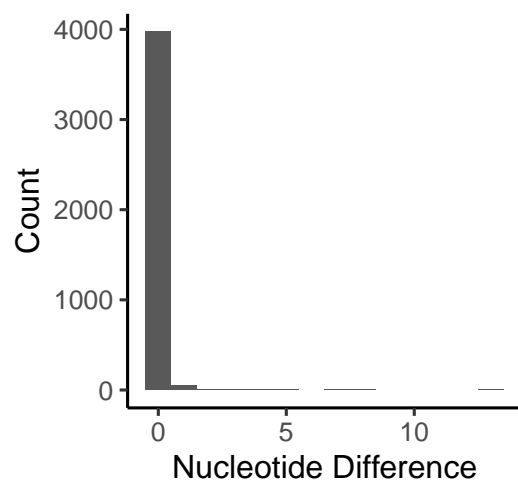
### TRBV12-2\*ap01

443 sequences assigned  
434 (98%) exact matches, in which:  
425 unique CDR3  
13 unique J



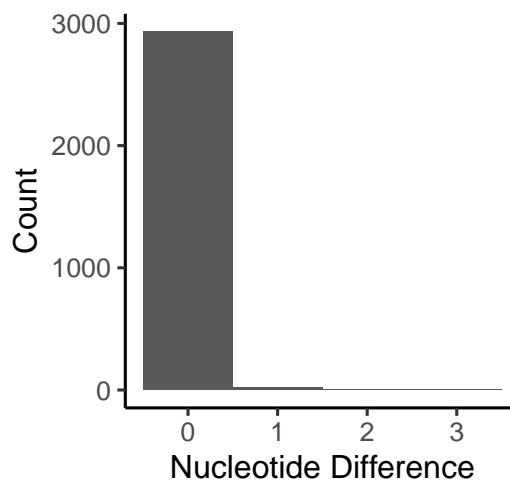
### TRBV21-1\*ap01

4040 sequences assigned  
3974 (98.4%) exact matches, in which:  
3868 unique CDR3  
13 unique J



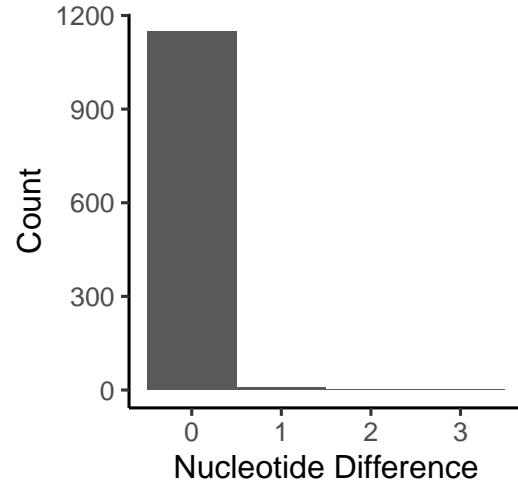
### TRBV11-3\*ap01

2953 sequences assigned  
2932 (99.3%) exact matches, in which:  
2869 unique CDR3  
13 unique J



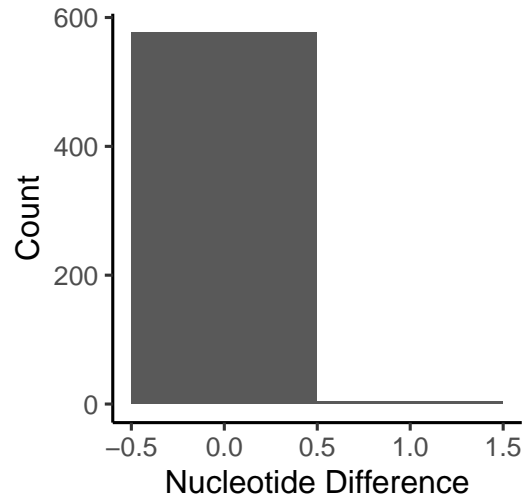
### TRBV12-5\*ap01

1159 sequences assigned  
1148 (99.1%) exact matches, in which:  
1111 unique CDR3  
13 unique J



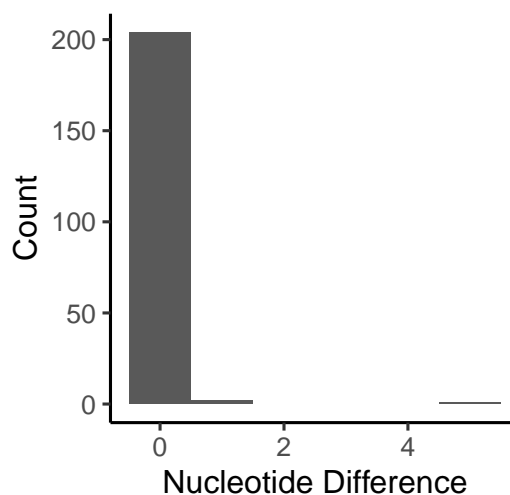
### TRBV11-1\*ap01

581 sequences assigned  
577 (99.3%) exact matches, in which:  
567 unique CDR3  
13 unique J



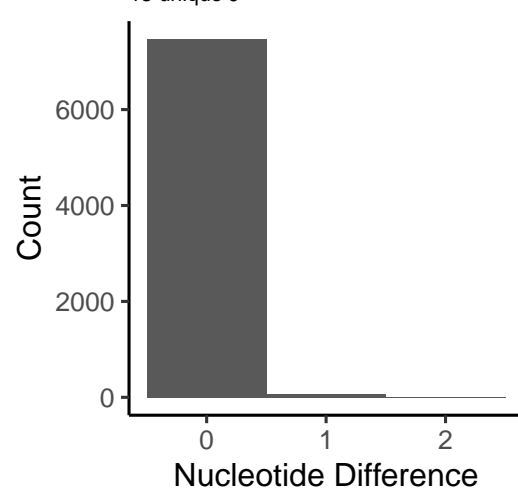
### TRBV12-1\*ap01

207 sequences assigned  
204 (98.6%) exact matches, in which:  
196 unique CDR3  
13 unique J



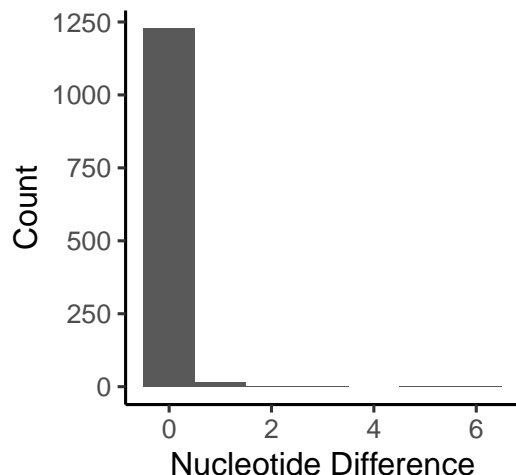
### TRBV12-34\*ap01

7551 sequences assigned  
7471 (98.9%) exact matches, in which:  
7252 unique CDR3  
13 unique J



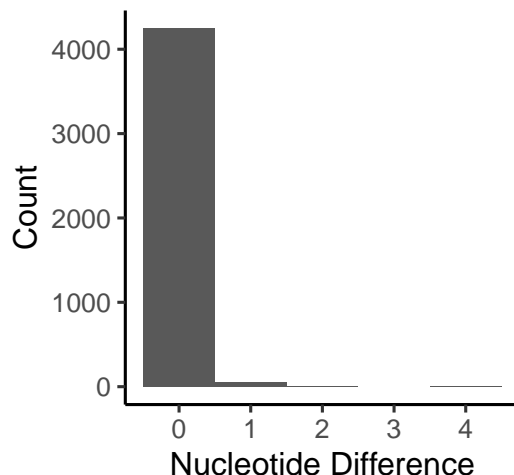
### TRBV23-1\*ap01

1249 sequences assigned  
1228 (98.3%) exact matches, in which:  
1187 unique CDR3  
13 unique J



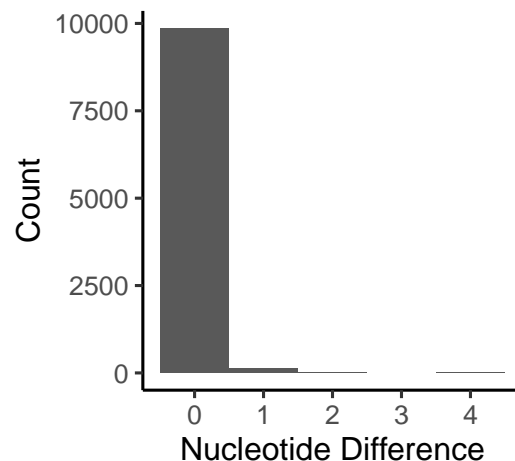
### TRBV24-1\*ap01

4298 sequences assigned  
4247 (98.8%) exact matches, in which:  
4156 unique CDR3  
13 unique J



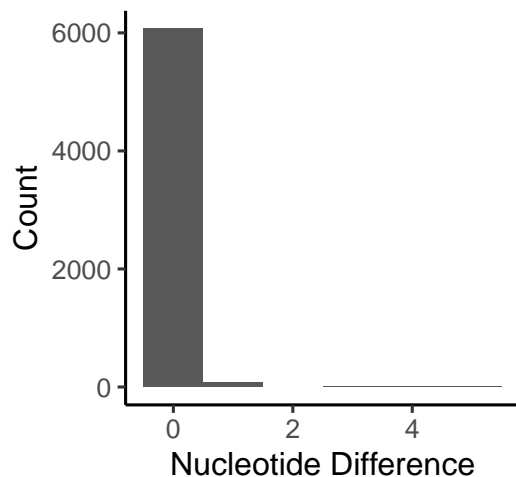
### TRBV5-1\*ap01

9987 sequences assigned  
9865 (98.8%) exact matches, in which:  
9509 unique CDR3  
13 unique J



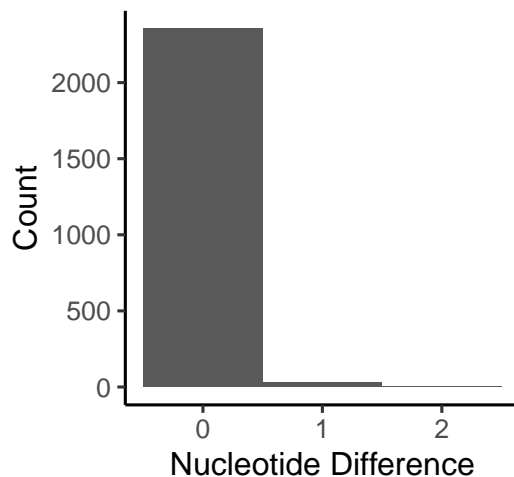
### TRBV3-12\*ap01

6144 sequences assigned  
6070 (98.8%) exact matches, in which:  
5912 unique CDR3  
13 unique J



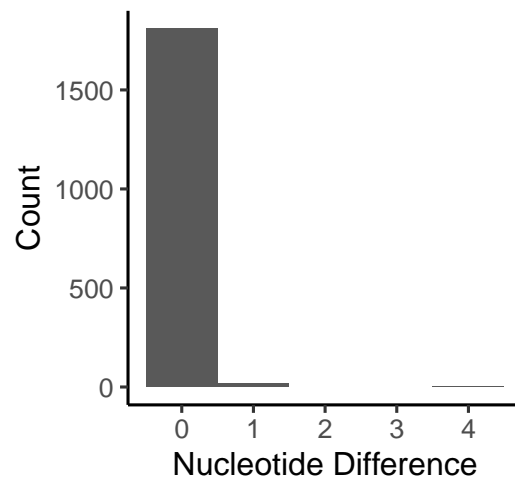
### TRBV4-2\*ap01

2384 sequences assigned  
2354 (98.7%) exact matches, in which:  
2289 unique CDR3  
13 unique J



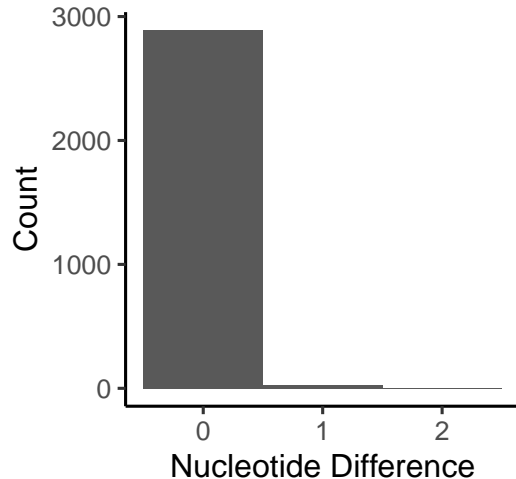
### TRBV25-1\*ap01

1828 sequences assigned  
1809 (99%) exact matches, in which:  
1758 unique CDR3  
13 unique J



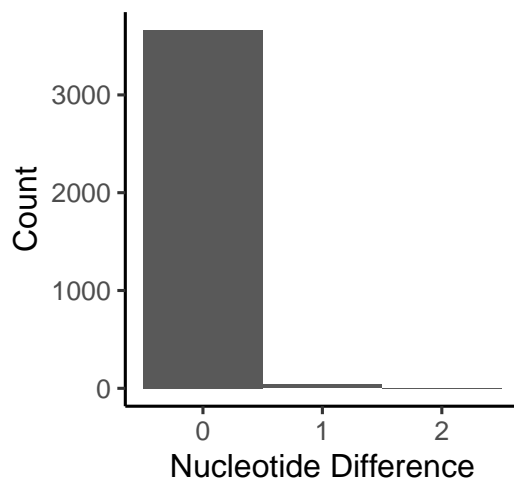
### TRBV4-1\*ap01

2917 sequences assigned  
2891 (99.1%) exact matches, in which:  
2824 unique CDR3  
13 unique J



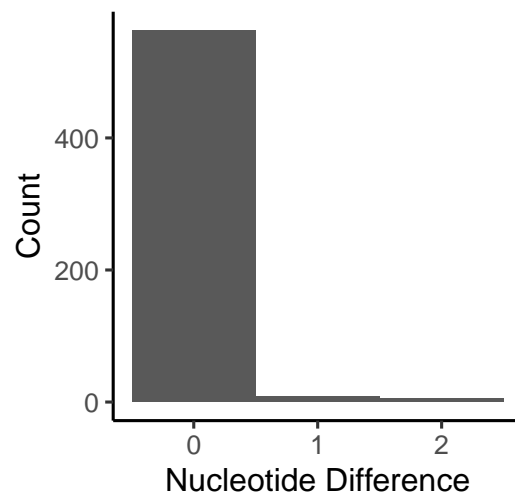
### TRBV4-3\*ap01

3705 sequences assigned  
3663 (98.9%) exact matches, in which:  
3571 unique CDR3  
13 unique J



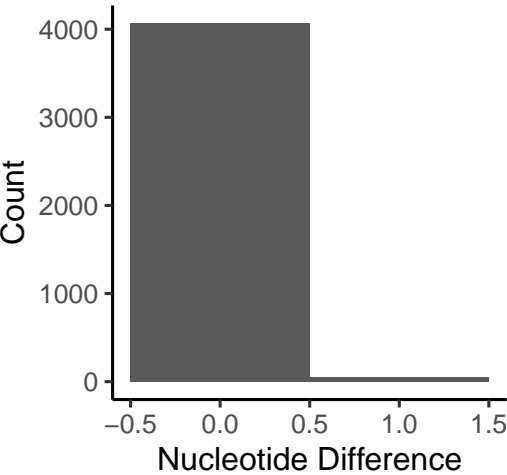
### TRBV5-3\*ap01

577 sequences assigned  
563 (97.6%) exact matches, in which:  
545 unique CDR3  
13 unique J



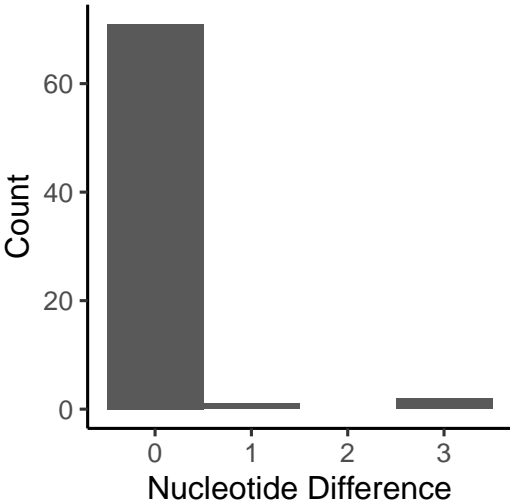
TRBV5-4\*ap01

4118 sequences assigned  
4066 (98.7%) exact matches, in which:  
3938 unique CDR3  
13 unique J



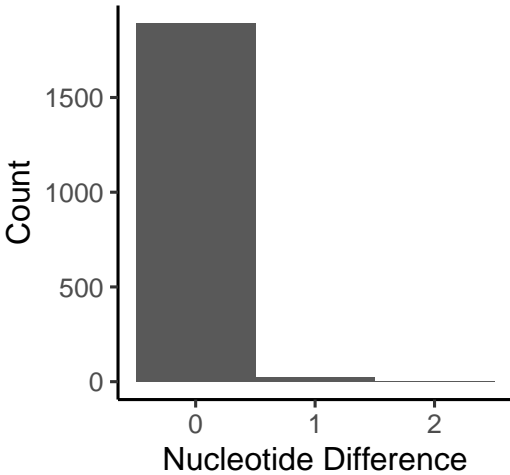
TRBV5-7\*ap01

74 sequences assigned  
71 (95.9%) exact matches, in which:  
70 unique CDR3  
12 unique J



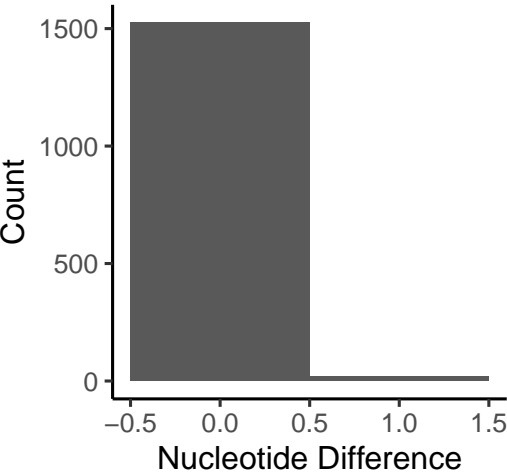
TRBV6-4\*ap01

1916 sequences assigned  
1891 (98.7%) exact matches, in which:  
1829 unique CDR3  
13 unique J



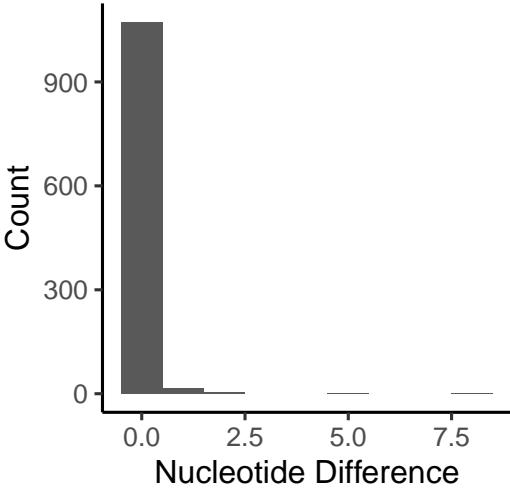
TRBV5-5\*ap01

1543 sequences assigned  
1525 (98.8%) exact matches, in which:  
1492 unique CDR3  
13 unique J



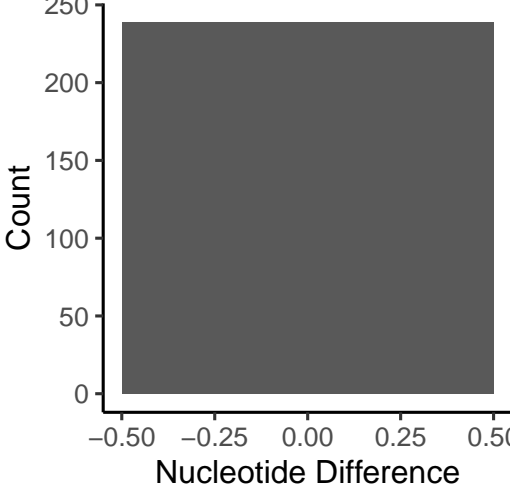
TRBV5-8\*ap01

1095 sequences assigned  
1073 (98%) exact matches, in which:  
1036 unique CDR3  
13 unique J



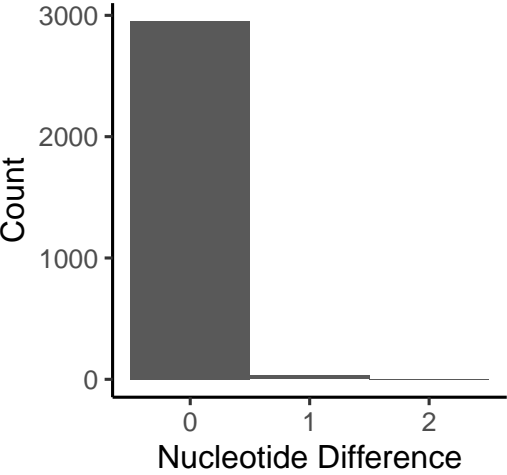
TRBV6-7\*ap01

239 sequences assigned  
239 (100%) exact matches, in which:  
228 unique CDR3  
13 unique J



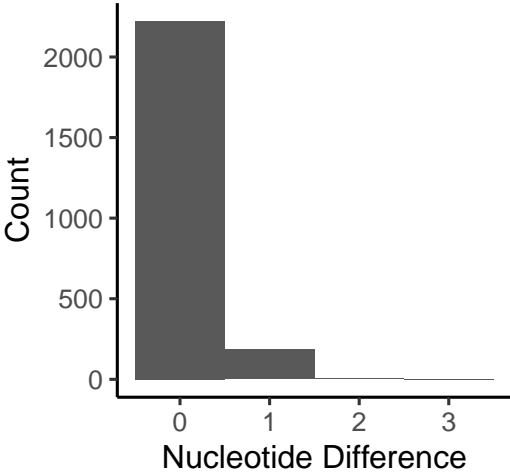
TRBV5-6\*ap01

2985 sequences assigned  
2953 (98.9%) exact matches, in which:  
2857 unique CDR3  
13 unique J



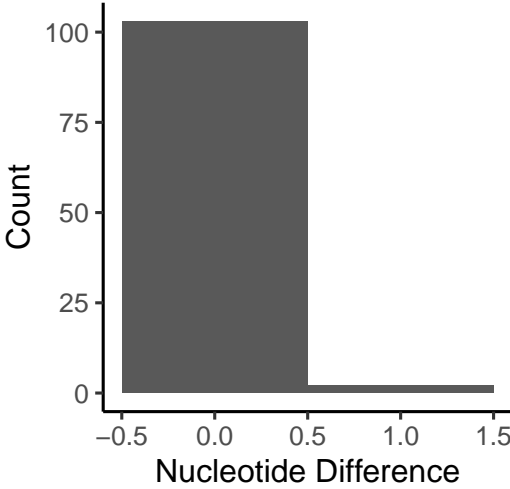
TRBV6-1\*ap01

2413 sequences assigned  
2223 (92.1%) exact matches, in which:  
2152 unique CDR3  
13 unique J



TRBV6-8\*ap01

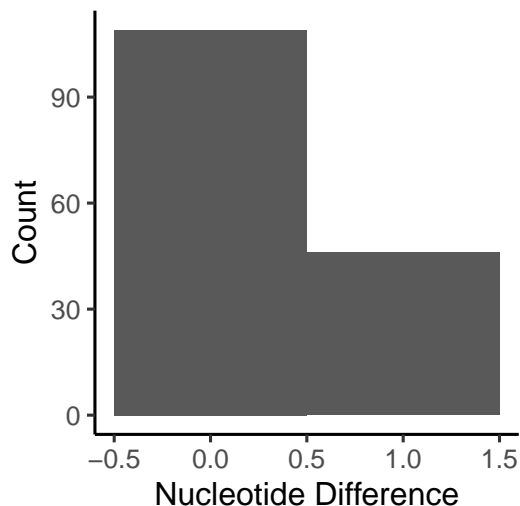
105 sequences assigned  
103 (98.1%) exact matches, in which:  
101 unique CDR3  
12 unique J





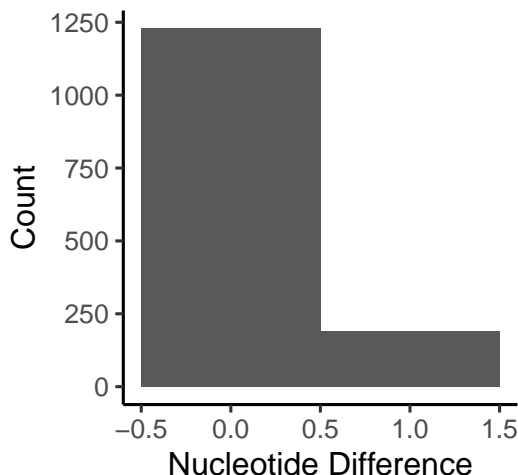
### TRBV6–9\*ap01

155 sequences assigned  
109 (70.3%) exact matches, in which:  
106 unique CDR3  
11 unique J



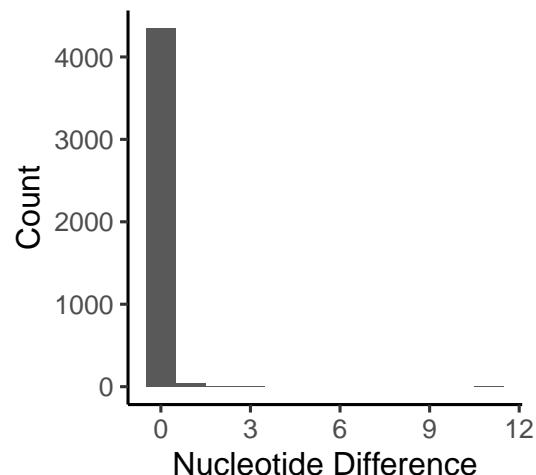
### TRBV6–56\*ap02

1421 sequences assigned  
1229 (86.5%) exact matches, in which:  
1196 unique CDR3  
13 unique J



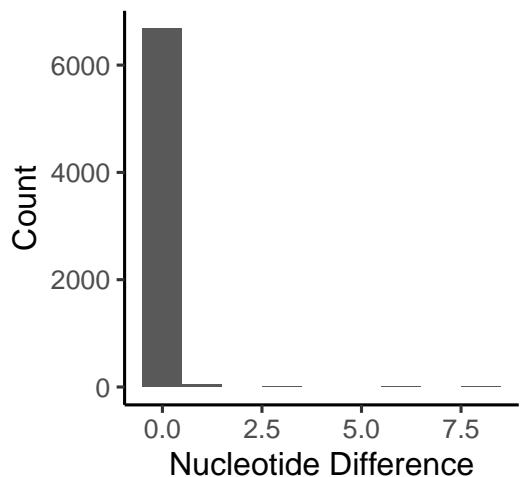
### TRBV7–3\*ap01

4396 sequences assigned  
4346 (98.9%) exact matches, in which:  
4236 unique CDR3  
13 unique J



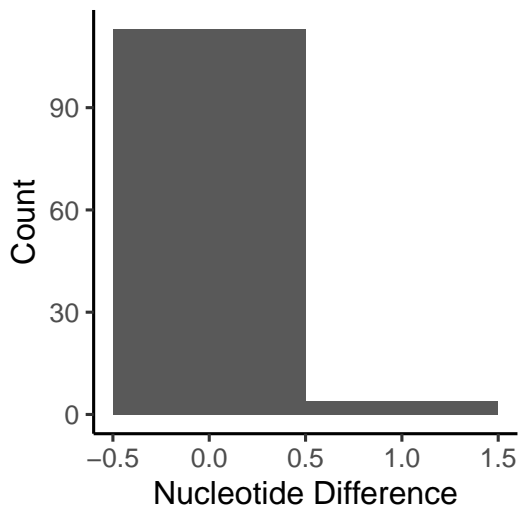
### TRBV6–23\*ap01

6735 sequences assigned  
6678 (99.2%) exact matches, in which:  
6482 unique CDR3  
13 unique J



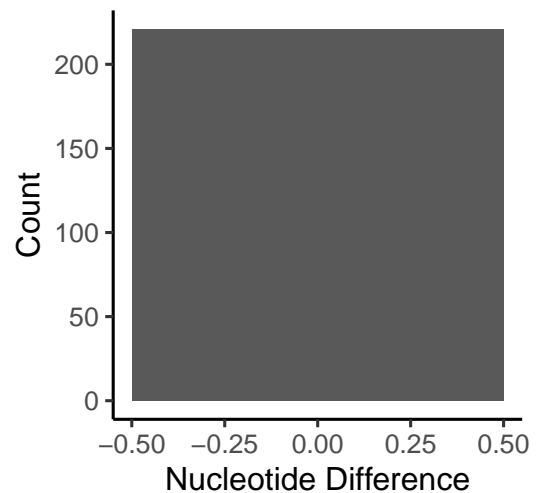
### TRBV7–1\*ap01\_G291C\_T

117 sequences assigned  
113 (96.6%) exact matches, in which:  
107 unique CDR3  
13 unique J



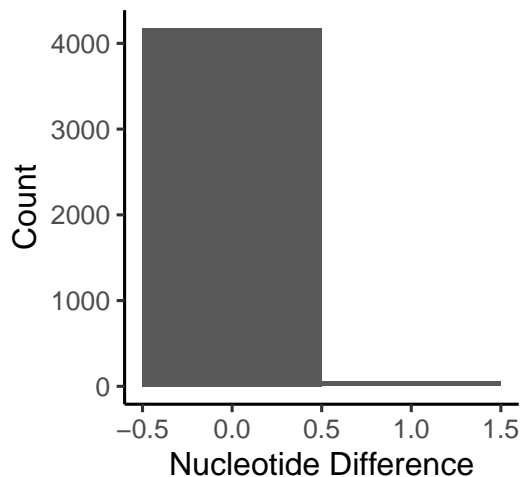
### TRBV7–4\*ap01

221 sequences assigned  
221 (100%) exact matches, in which:  
215 unique CDR3  
13 unique J



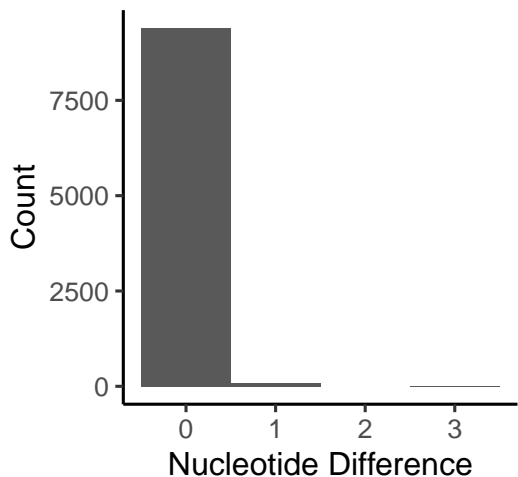
### TRBV6–56\*ap01

4234 sequences assigned  
4179 (98.7%) exact matches, in which:  
4038 unique CDR3  
14 unique J



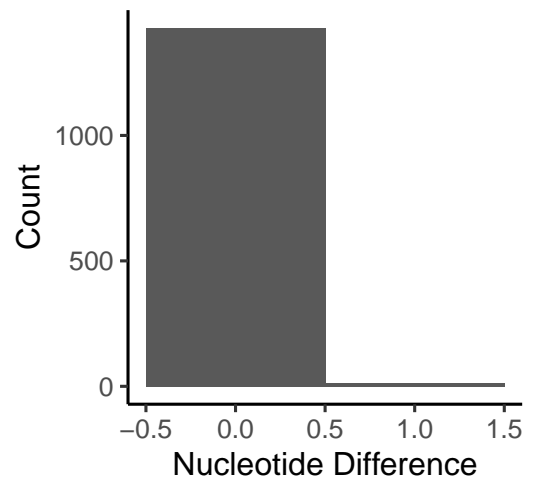
### TRBV7–2\*ap01

9490 sequences assigned  
9396 (99%) exact matches, in which:  
9085 unique CDR3  
13 unique J



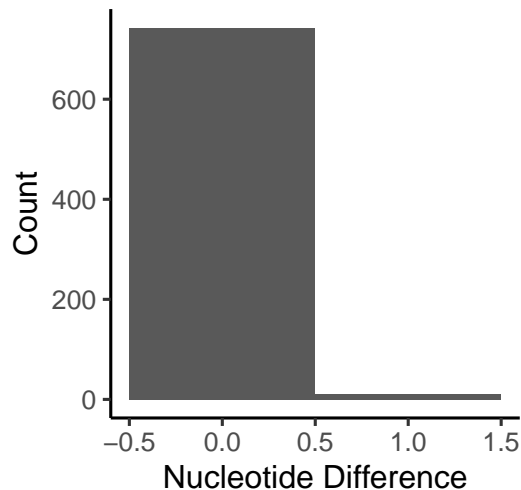
### TRBV7–6\*ap01

1441 sequences assigned  
1428 (99.1%) exact matches, in which:  
1393 unique CDR3  
13 unique J



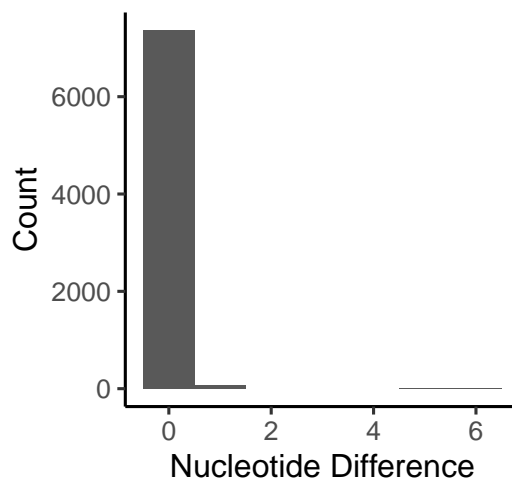
### TRBV7-7\*ap01\_C315T

753 sequences assigned  
743 (98.7%) exact matches, in which:  
723 unique CDR3  
13 unique J



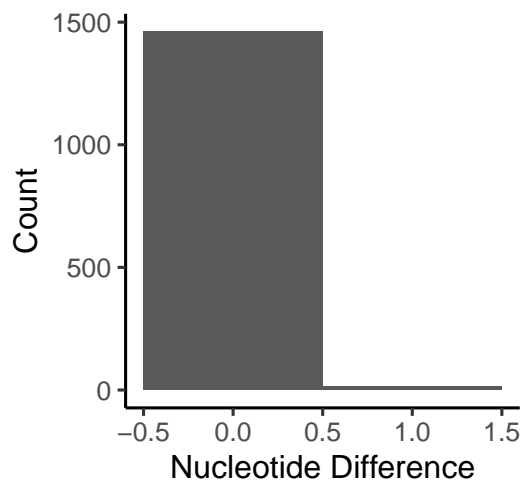
### TRBV7-9\*ap01

7429 sequences assigned  
7362 (99.1%) exact matches, in which:  
7151 unique CDR3  
13 unique J



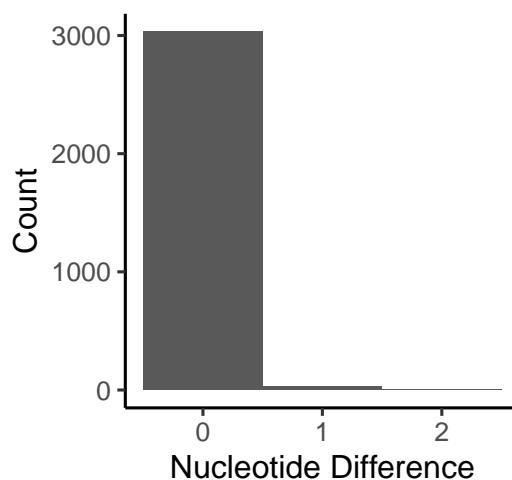
### TRBV7-8\*ap01

1476 sequences assigned  
1461 (99%) exact matches, in which:  
1413 unique CDR3  
13 unique J



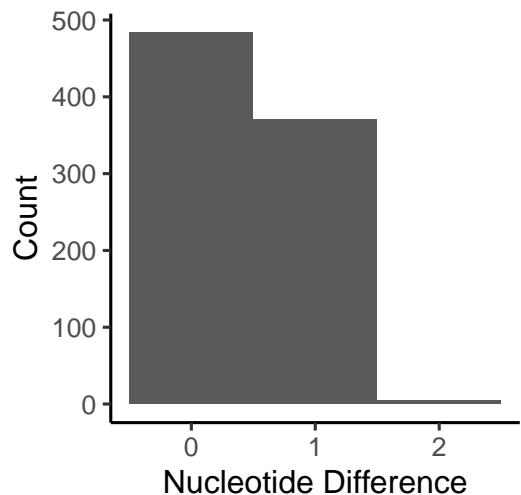
### TRBV29-1\*ap01

3062 sequences assigned  
3032 (99%) exact matches, in which:  
2954 unique CDR3  
13 unique J



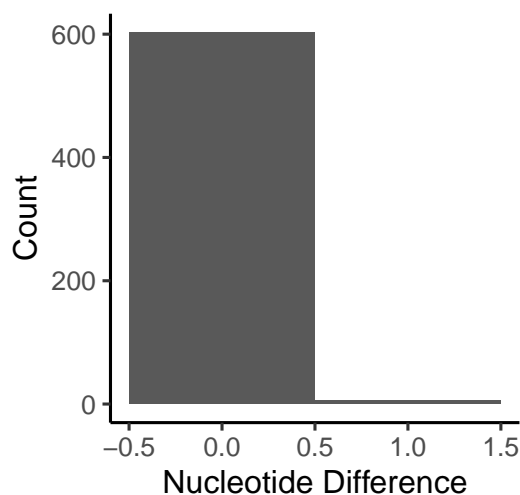
### TRBV7-8\*ap03

860 sequences assigned  
484 (56.3%) exact matches, in which:  
463 unique CDR3  
13 unique J

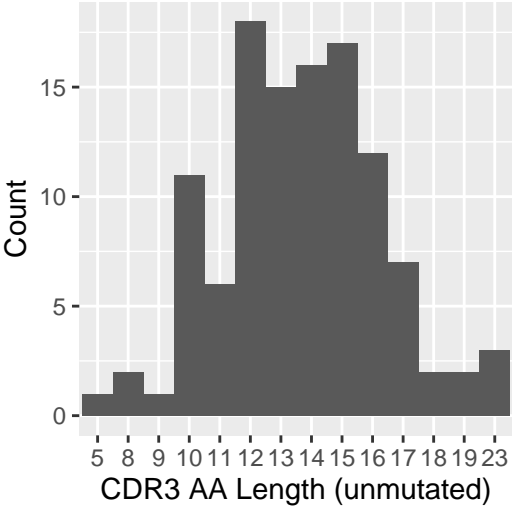


### TRBV29-1\*ap02

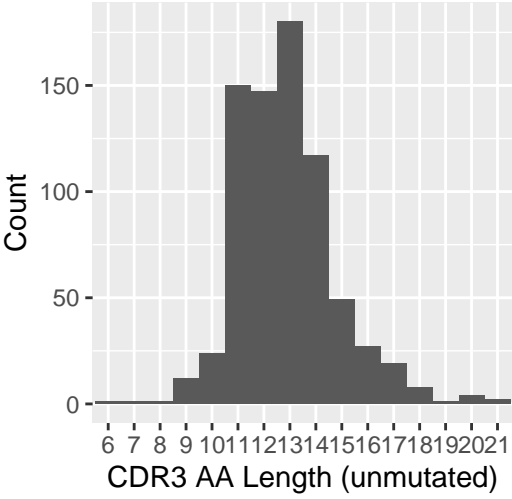
608 sequences assigned  
603 (99.2%) exact matches, in which:  
588 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.