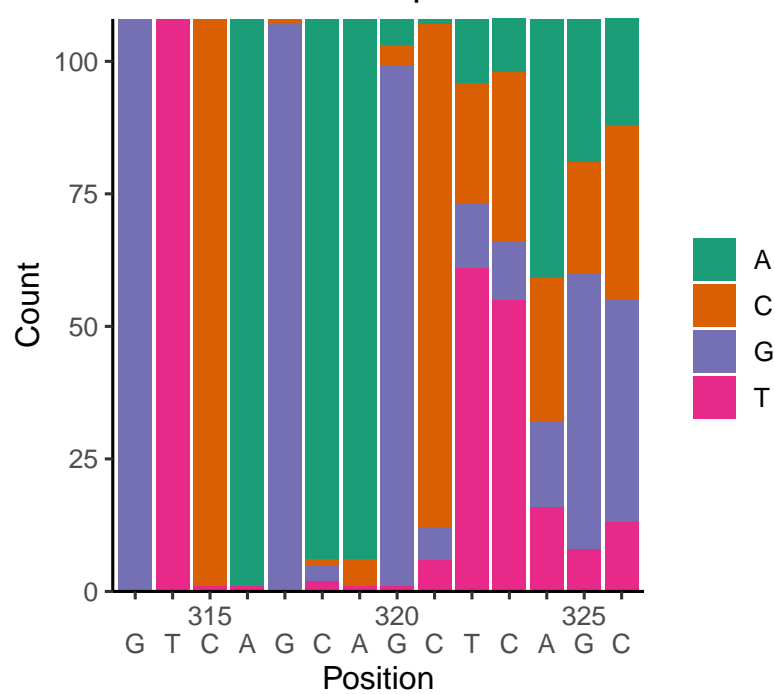
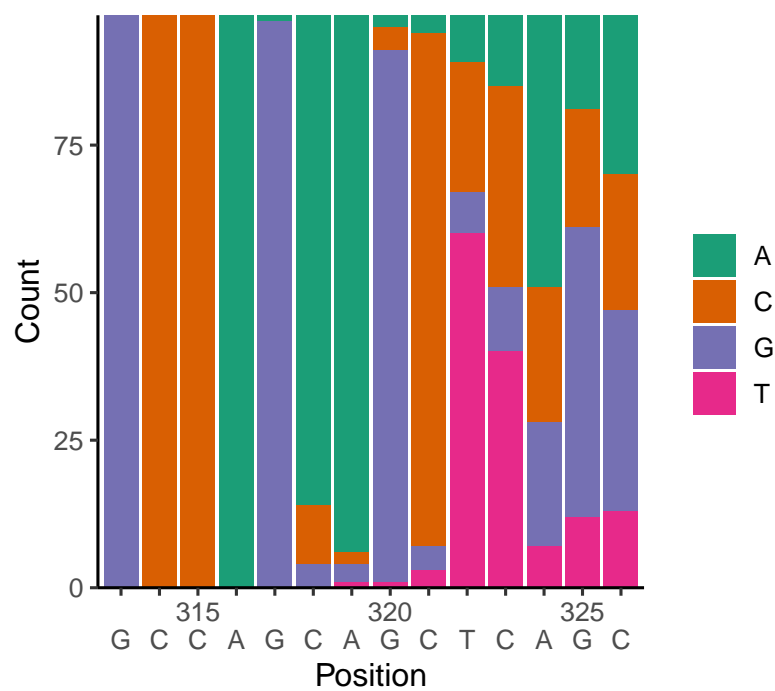


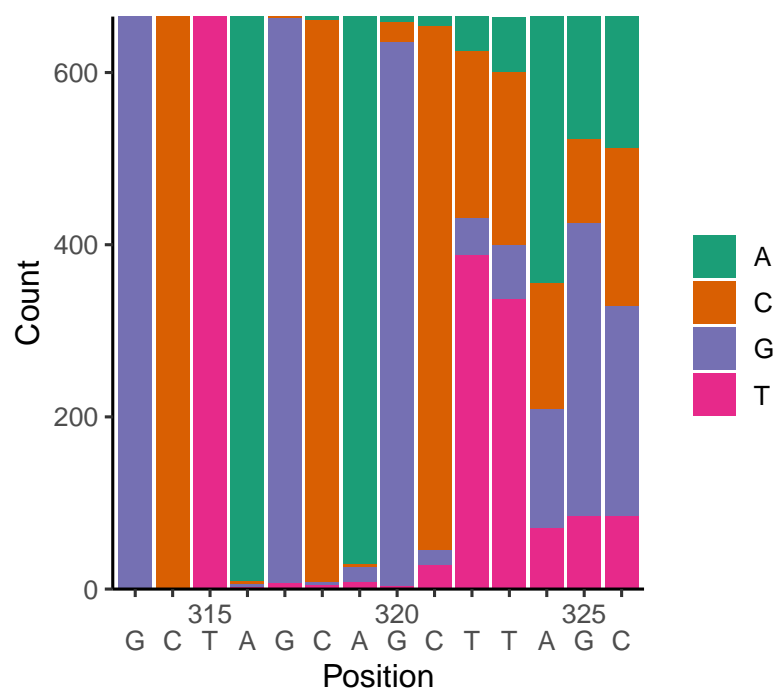
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



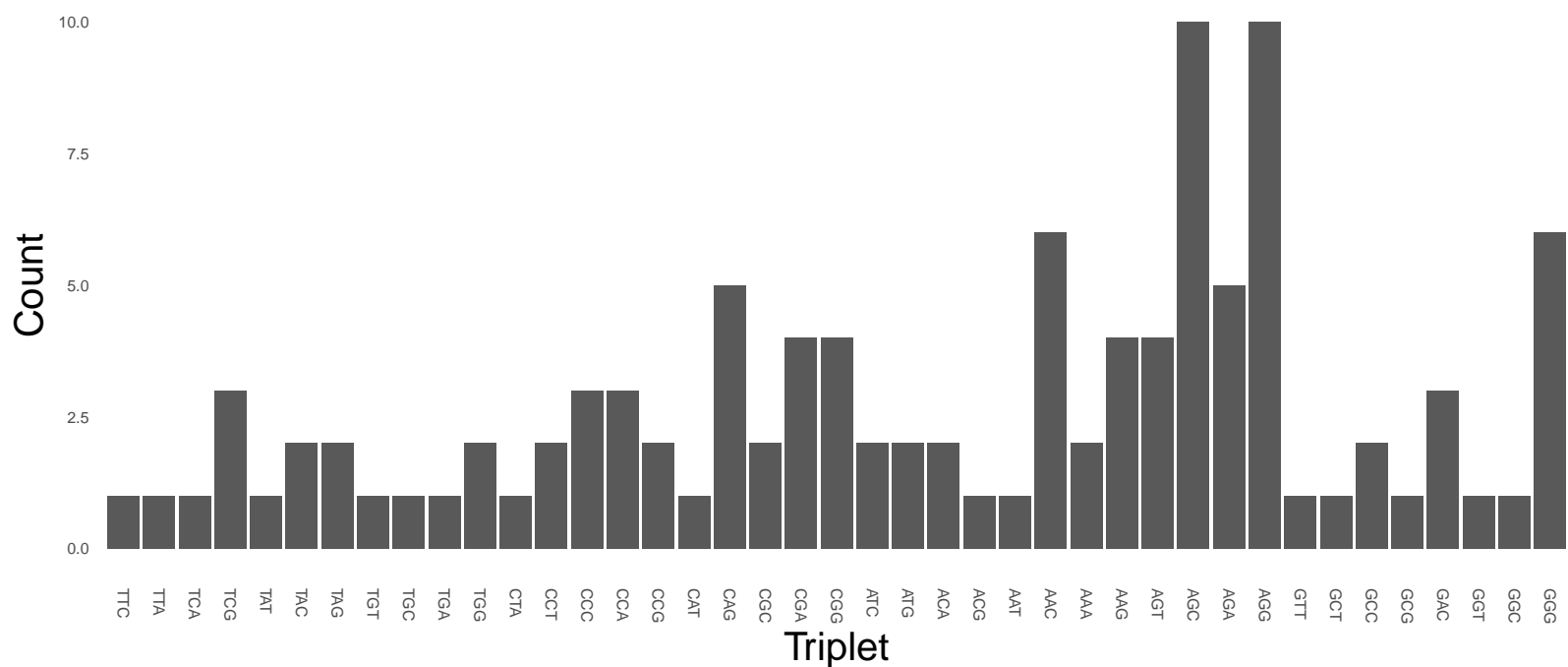
Gene TRBV7-1\*ap01\_G291C\_T296C



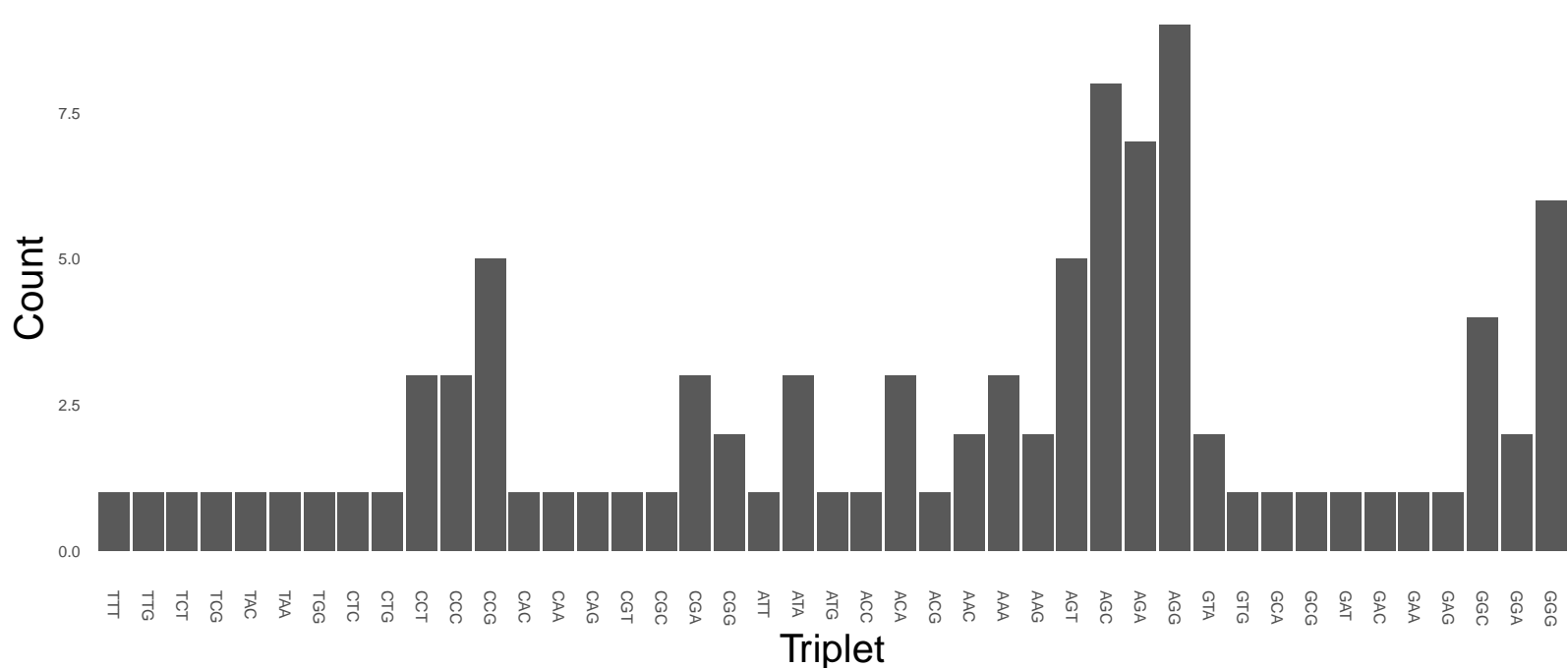
Gene TRBV7-7\*ap01\_C315T



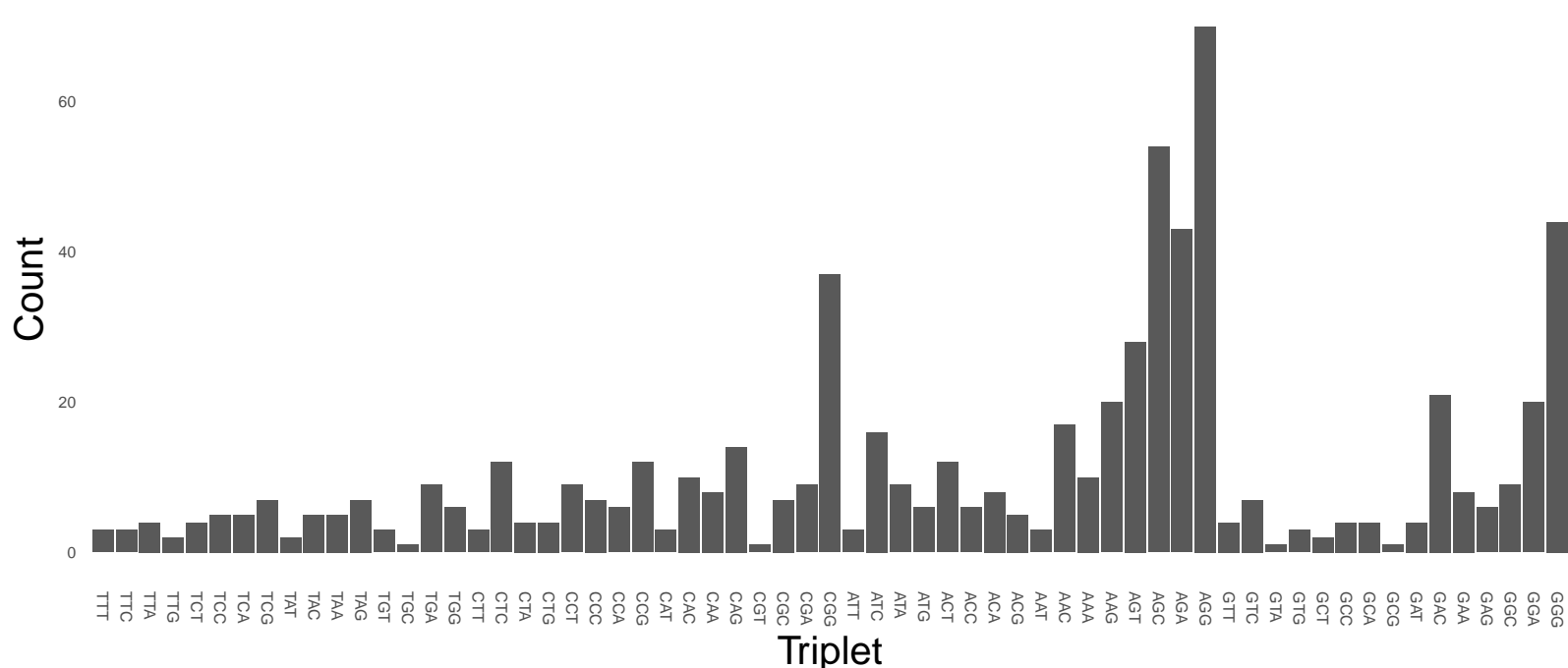
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

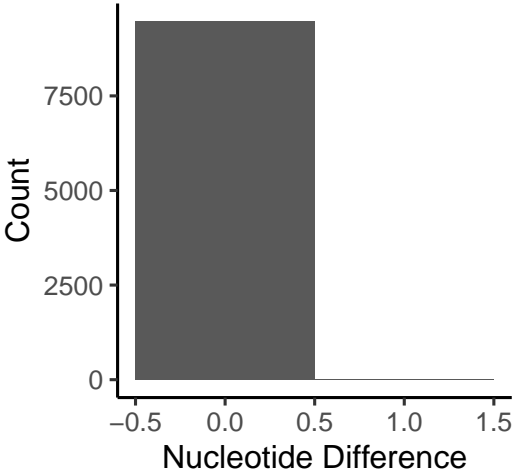


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



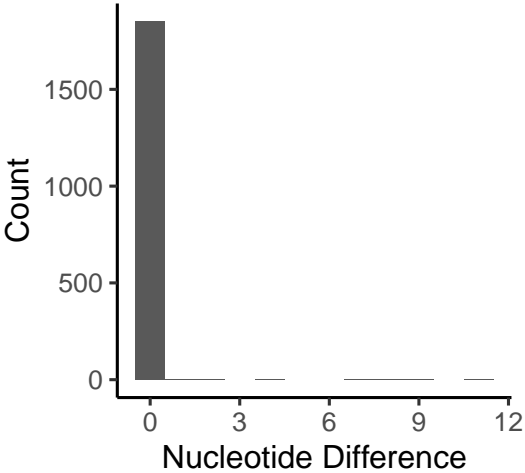
TRBV20-1\*ap01

9487 sequences assigned  
9468 (99.8%) exact matches, in which:  
9453 unique CDR3  
13 unique J



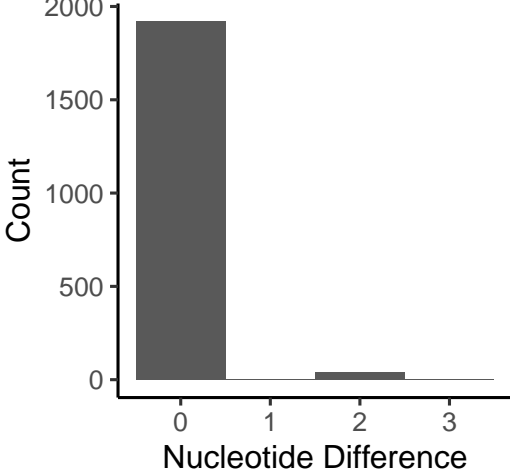
TRBV10-2\*ap01

1858 sequences assigned  
1851 (99.6%) exact matches, in which:  
1848 unique CDR3  
13 unique J



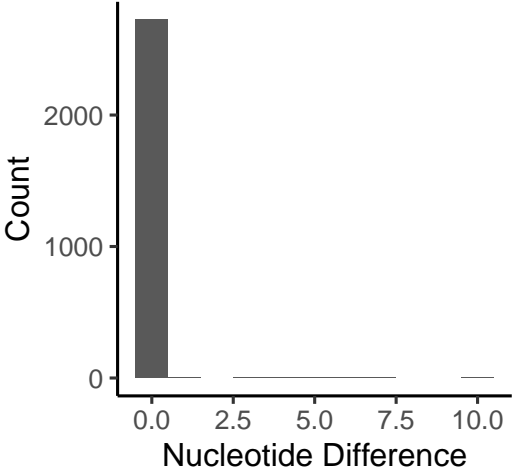
TRBV13\*ap01

1963 sequences assigned  
1920 (97.8%) exact matches, in which:  
1918 unique CDR3  
13 unique J



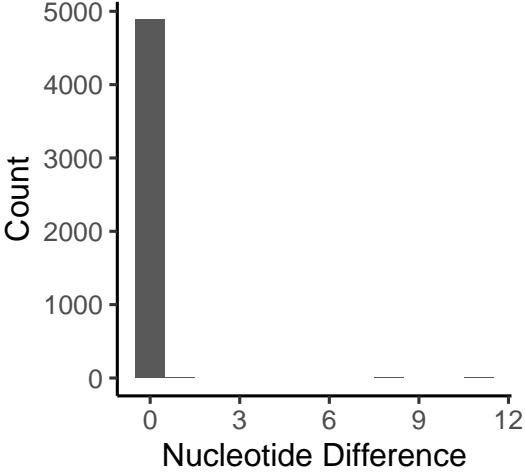
TRBV10-1\*ap01

2742 sequences assigned  
2725 (99.4%) exact matches, in which:  
2723 unique CDR3  
13 unique J



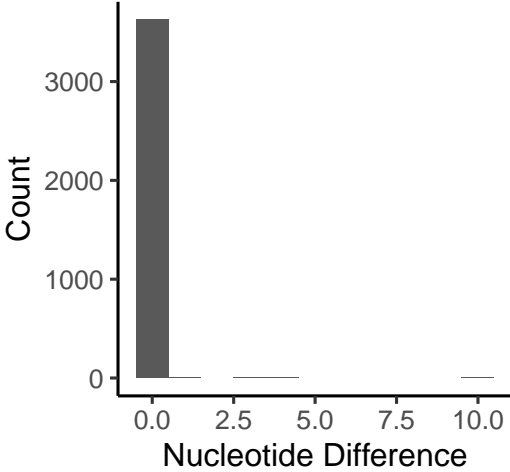
TRBV10-3\*ap01

4895 sequences assigned  
4885 (99.8%) exact matches, in which:  
4879 unique CDR3  
13 unique J



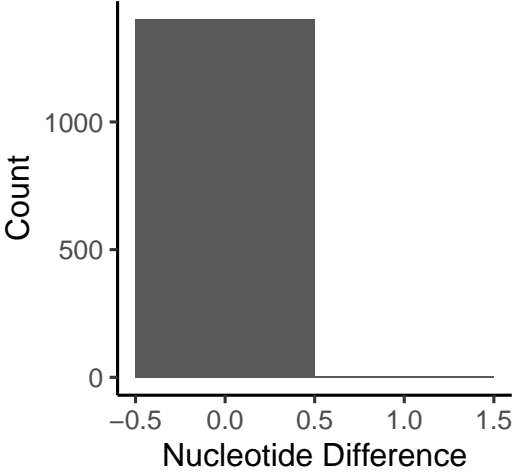
TRBV14\*ap01

3631 sequences assigned  
3626 (99.9%) exact matches, in which:  
3625 unique CDR3  
13 unique J



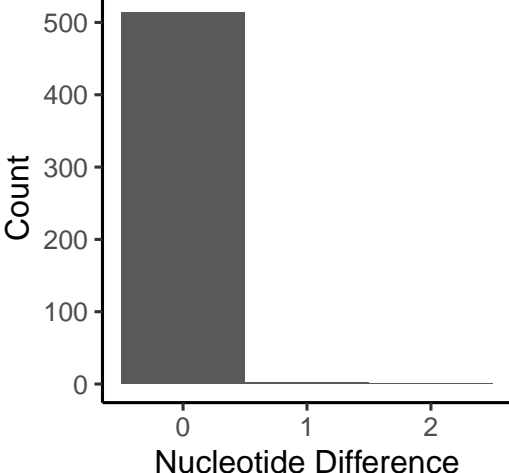
TRBV20-1\*ap02

1407 sequences assigned  
1403 (99.7%) exact matches, in which:  
1403 unique CDR3  
13 unique J



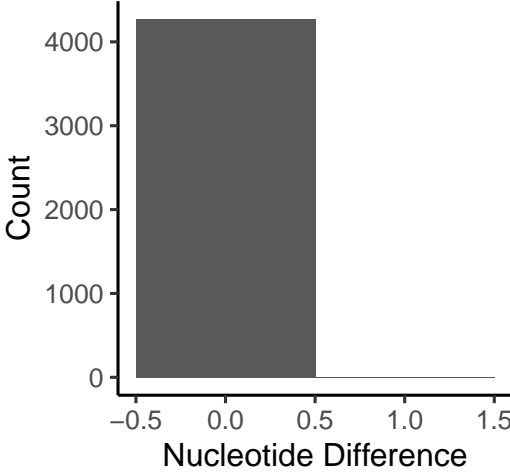
TRBV1\*ap01

517 sequences assigned  
514 (99.4%) exact matches, in which:  
514 unique CDR3  
13 unique J



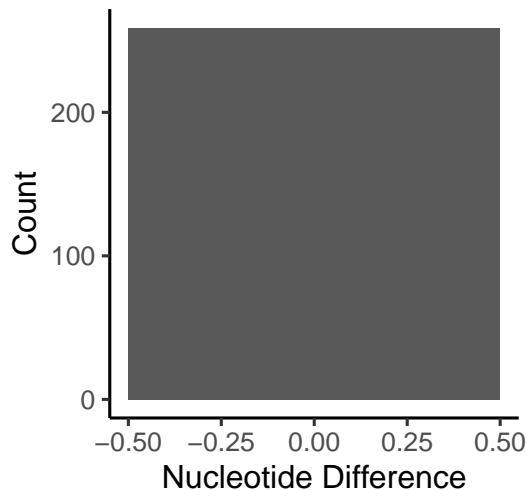
TRBV15\*ap02

4278 sequences assigned  
4272 (99.9%) exact matches, in which:  
4261 unique CDR3  
13 unique J



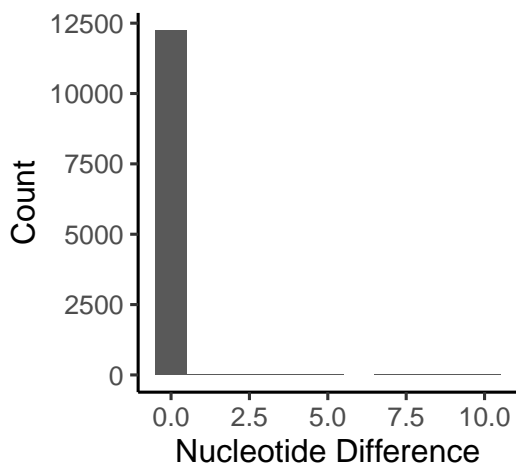
### TRBV16\*ap01

259 sequences assigned  
259 (100%) exact matches, in which:  
259 unique CDR3  
13 unique J



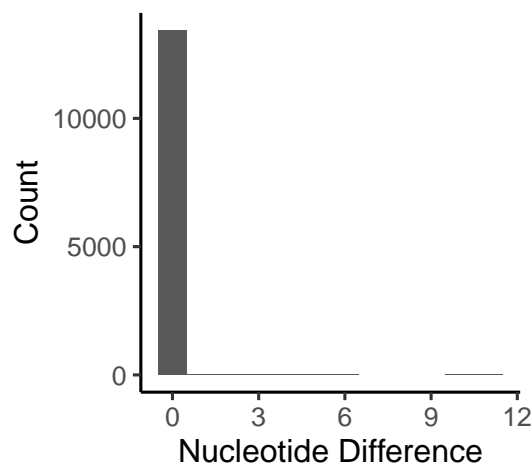
### TRBV19\*ap01

12300 sequences assigned  
12252 (99.6%) exact matches, in which:  
12249 unique CDR3  
13 unique J



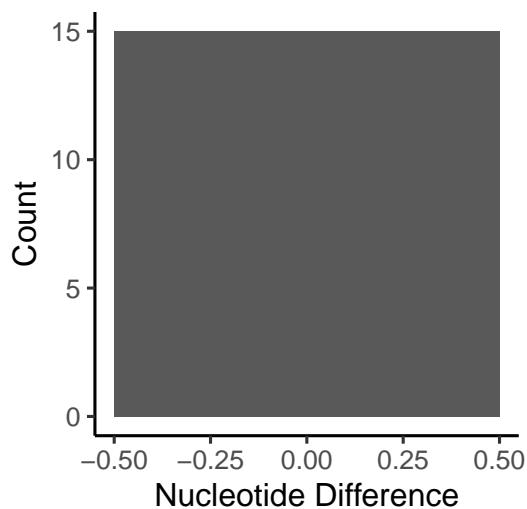
### TRBV27\*ap01

13485 sequences assigned  
13439 (99.7%) exact matches, in which:  
13392 unique CDR3  
13 unique J



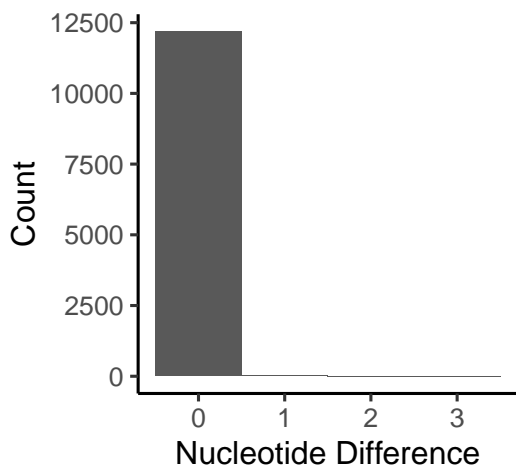
### TRBV17\*ap01

15 sequences assigned  
15 (100%) exact matches, in which:  
15 unique CDR3  
8 unique J



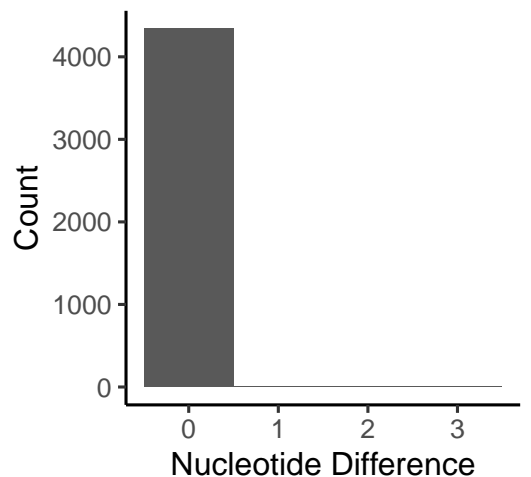
### TRBV2\*ap01

12223 sequences assigned  
12189 (99.7%) exact matches, in which:  
12159 unique CDR3  
13 unique J



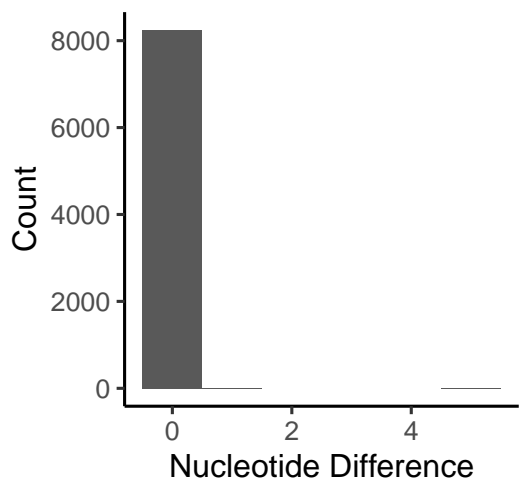
### TRBV28\*ap01

4346 sequences assigned  
4340 (99.9%) exact matches, in which:  
4337 unique CDR3  
13 unique J



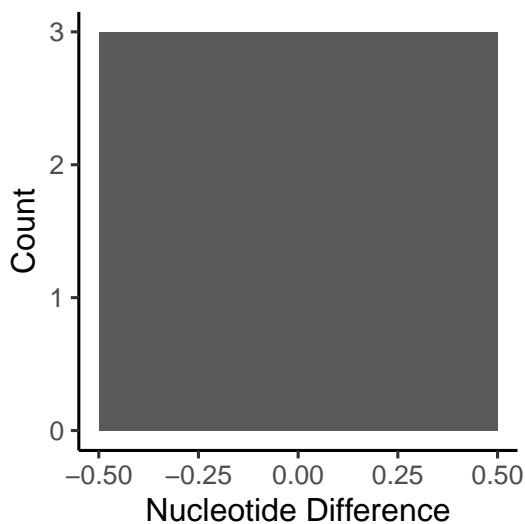
### TRBV18\*ap01

8251 sequences assigned  
8244 (99.9%) exact matches, in which:  
8244 unique CDR3  
14 unique J



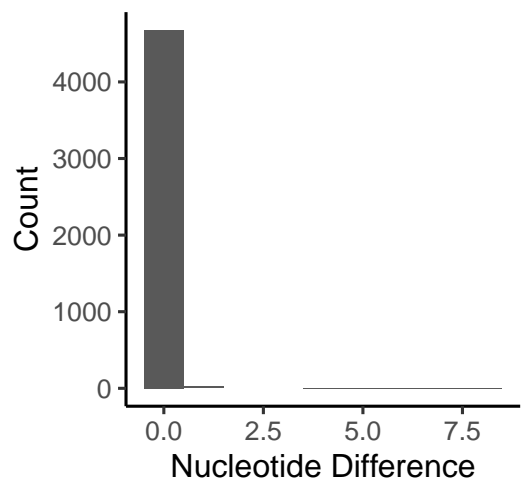
### TRBV26\*ap01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
2 unique J



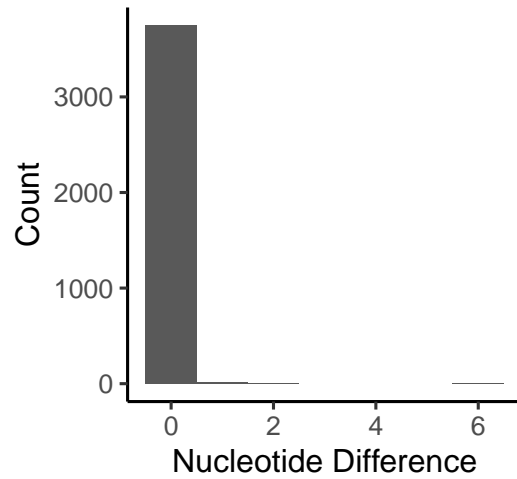
### TRBV30\*ap01

4708 sequences assigned  
4677 (99.3%) exact matches, in which:  
4662 unique CDR3  
13 unique J



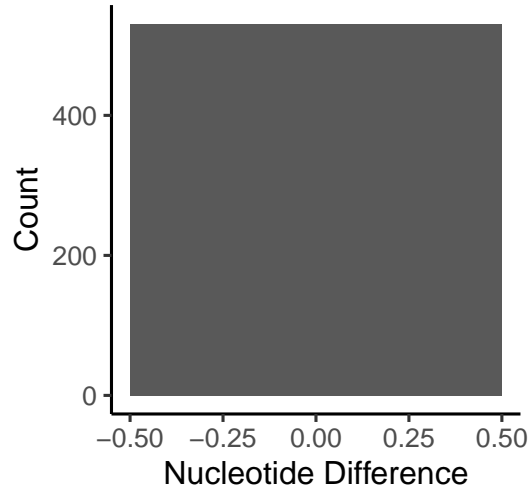
### TRBV30\*ap02

3766 sequences assigned  
3748 (99.5%) exact matches, in which:  
3743 unique CDR3  
13 unique J



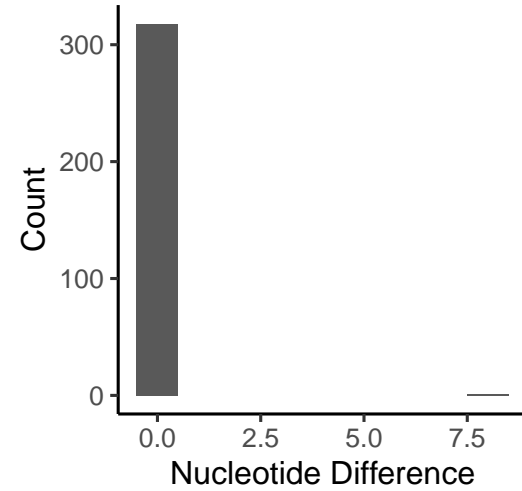
### TRBV11-1\*ap01

531 sequences assigned  
531 (100%) exact matches, in which:  
531 unique CDR3  
13 unique J



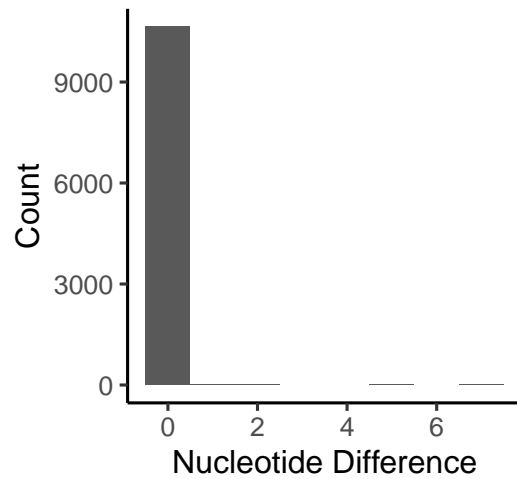
### TRBV12-1\*ap01

319 sequences assigned  
318 (99.7%) exact matches, in which:  
318 unique CDR3  
13 unique J



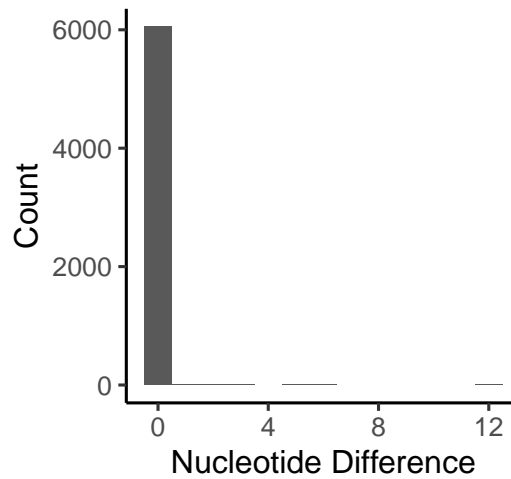
### TRBV9\*ap01

10661 sequences assigned  
10643 (99.8%) exact matches, in which:  
10631 unique CDR3  
13 unique J



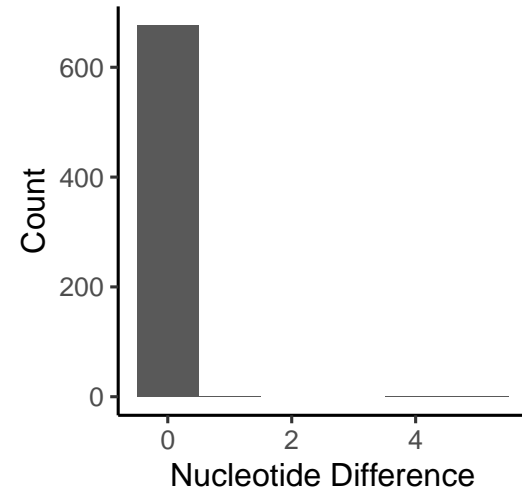
### TRBV11-2\*ap01

6069 sequences assigned  
6052 (99.7%) exact matches, in which:  
6052 unique CDR3  
13 unique J



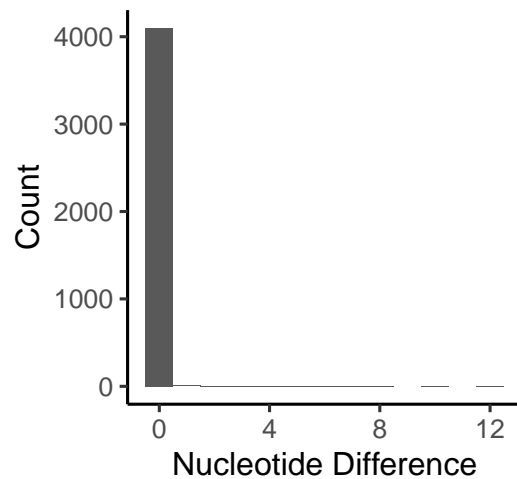
### TRBV12-2\*ap01

680 sequences assigned  
677 (99.6%) exact matches, in which:  
676 unique CDR3  
13 unique J



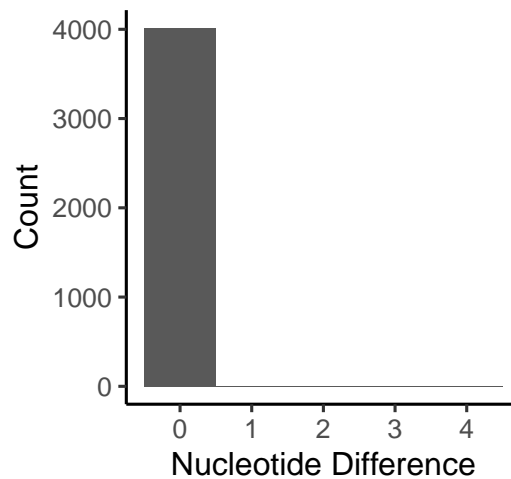
### TRBV21-1\*ap01

4131 sequences assigned  
4099 (99.2%) exact matches, in which:  
4099 unique CDR3  
13 unique J



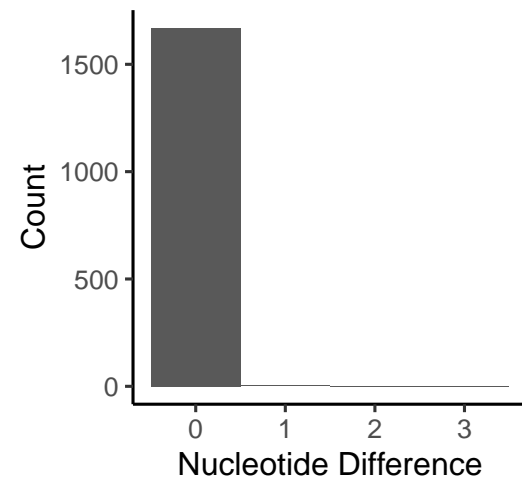
### TRBV11-3\*ap01

4024 sequences assigned  
4014 (99.8%) exact matches, in which:  
4011 unique CDR3  
13 unique J



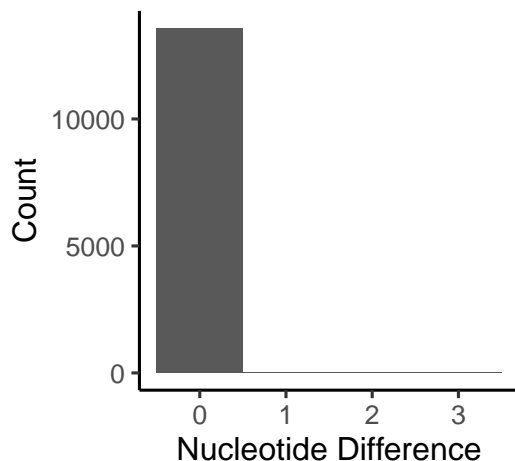
### TRBV12-5\*ap01

1675 sequences assigned  
1669 (99.6%) exact matches, in which:  
1669 unique CDR3  
13 unique J



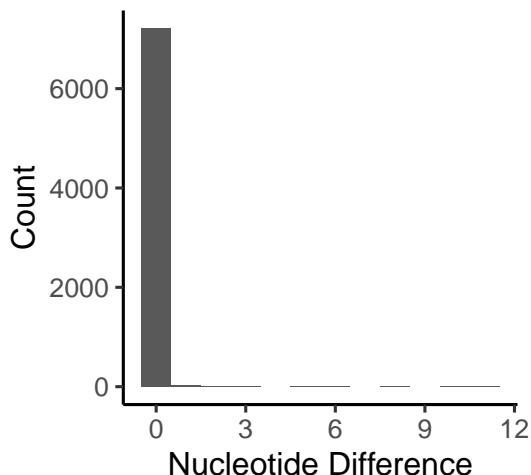
### TRBV12–34\*ap01

13601 sequences assigned  
13575 (99.8%) exact matches, in which:  
13563 unique CDR3  
13 unique J



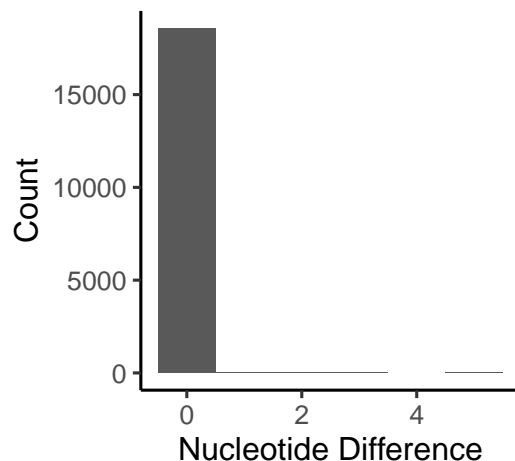
### TRBV24–1\*ap01

7256 sequences assigned  
7212 (99.4%) exact matches, in which:  
7198 unique CDR3  
13 unique J



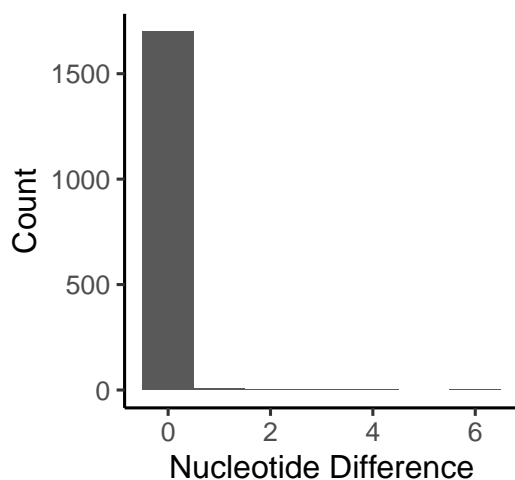
### TRBV5–1\*ap01

18630 sequences assigned  
18582 (99.7%) exact matches, in which:  
18539 unique CDR3  
13 unique J



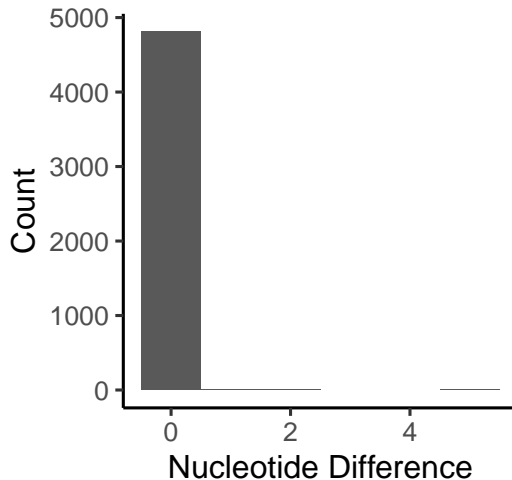
### TRBV23–1\*ap01

1714 sequences assigned  
1699 (99.1%) exact matches, in which:  
1699 unique CDR3  
13 unique J



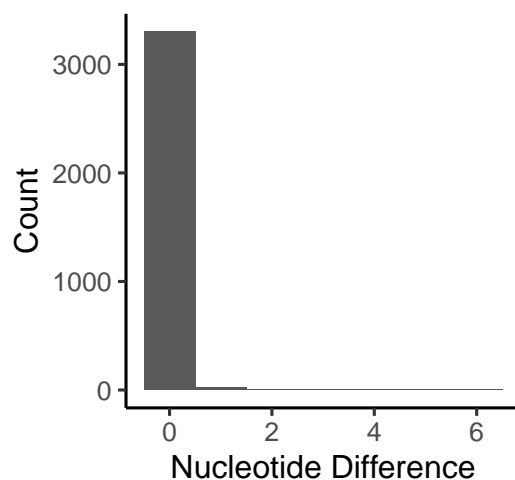
### TRBV4–1\*ap01

4822 sequences assigned  
4810 (99.8%) exact matches, in which:  
4805 unique CDR3  
13 unique J



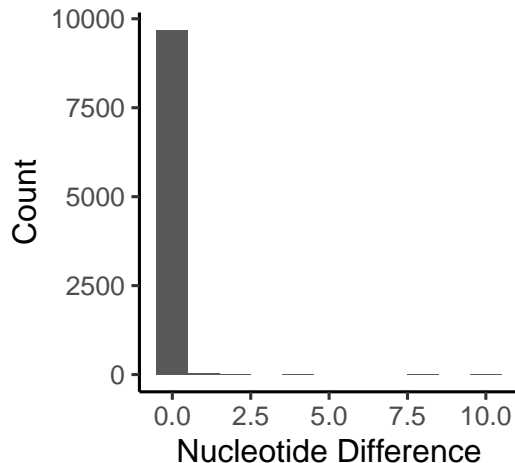
### TRBV25–1\*ap01

3328 sequences assigned  
3301 (99.2%) exact matches, in which:  
3290 unique CDR3  
13 unique J



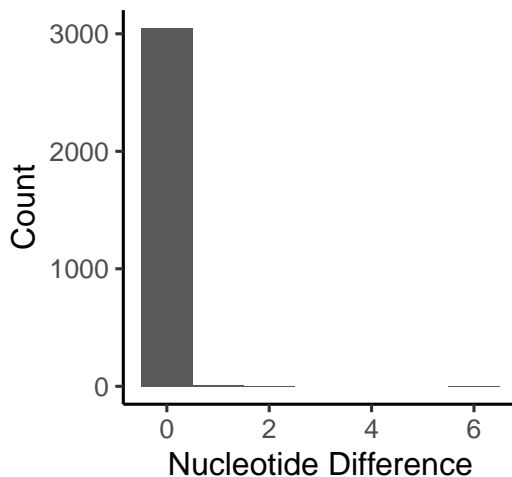
### TRBV3–12\*ap01

9729 sequences assigned  
9690 (99.6%) exact matches, in which:  
9664 unique CDR3  
13 unique J



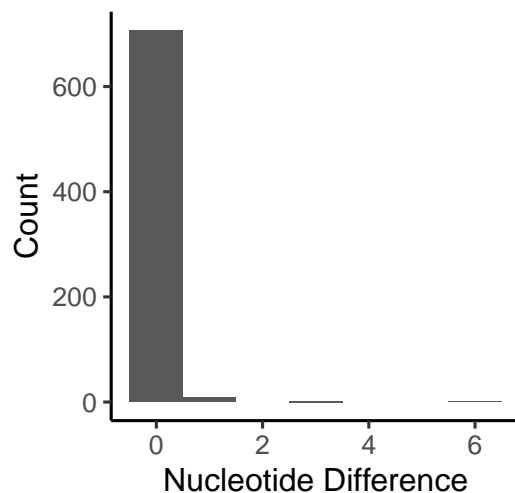
### TRBV4–2\*ap01

3063 sequences assigned  
3049 (99.5%) exact matches, in which:  
3046 unique CDR3  
13 unique J



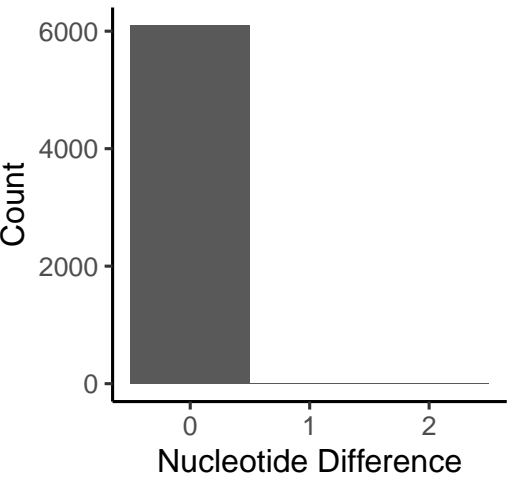
### TRBV5–3\*ap01

719 sequences assigned  
707 (98.3%) exact matches, in which:  
706 unique CDR3  
13 unique J



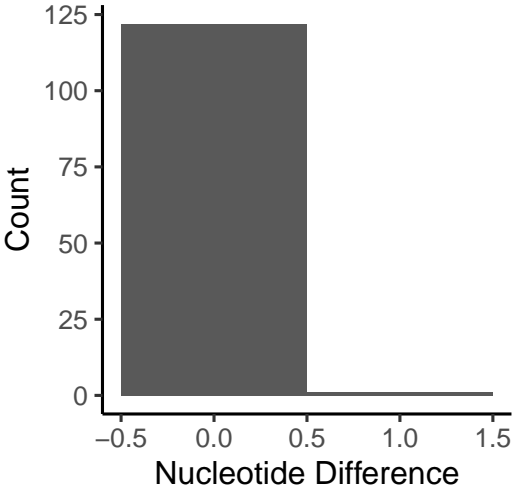
TRBV5-4\*ap01

6110 sequences assigned  
6098 (99.8%) exact matches, in which:  
6093 unique CDR3  
13 unique J



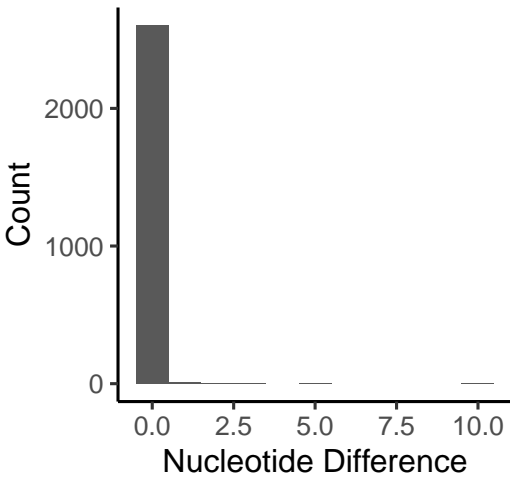
TRBV5-7\*ap01

123 sequences assigned  
122 (99.2%) exact matches, in which:  
122 unique CDR3  
12 unique J



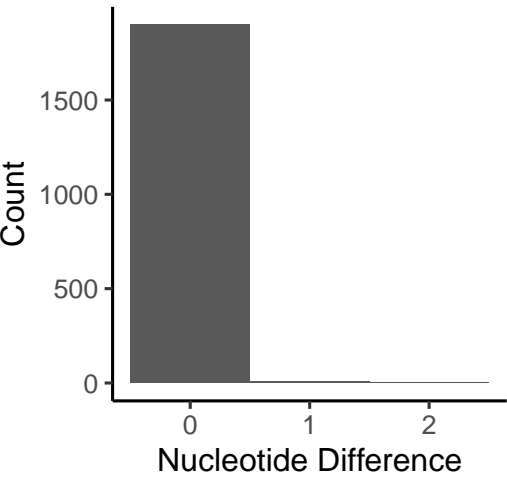
TRBV6-4\*ap01

2619 sequences assigned  
2603 (99.4%) exact matches, in which:  
2602 unique CDR3  
13 unique J



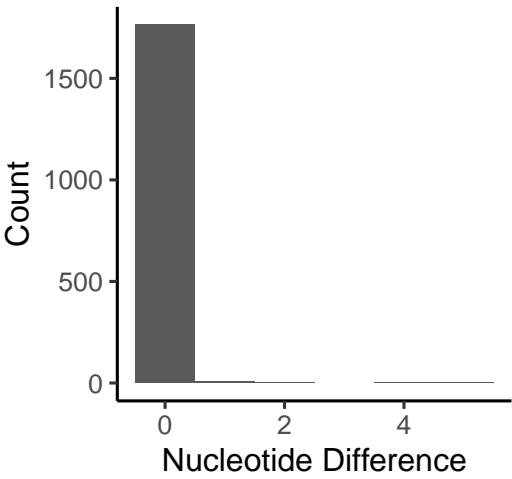
TRBV5-5\*ap01

1909 sequences assigned  
1899 (99.5%) exact matches, in which:  
1894 unique CDR3  
13 unique J



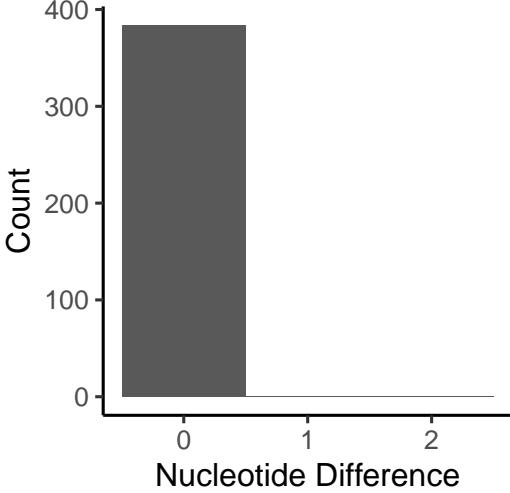
TRBV5-8\*ap01

1774 sequences assigned  
1764 (99.4%) exact matches, in which:  
1764 unique CDR3  
13 unique J



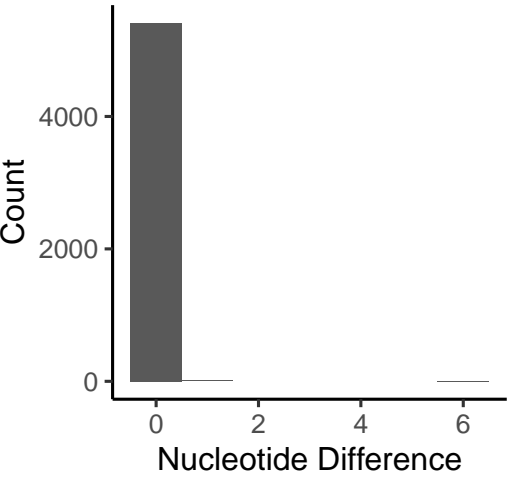
TRBV6-7\*ap01

386 sequences assigned  
384 (99.5%) exact matches, in which:  
384 unique CDR3  
13 unique J



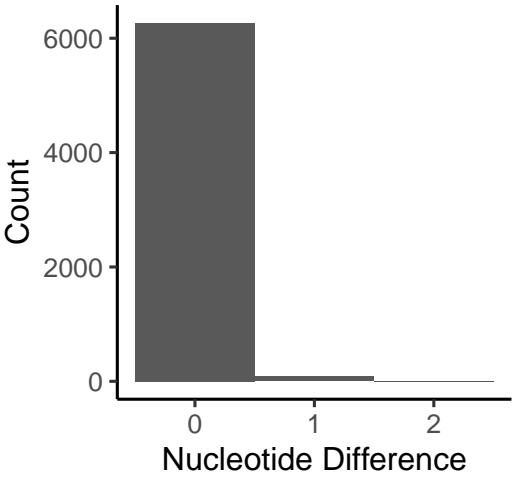
TRBV5-6\*ap01

5424 sequences assigned  
5411 (99.8%) exact matches, in which:  
5399 unique CDR3  
13 unique J



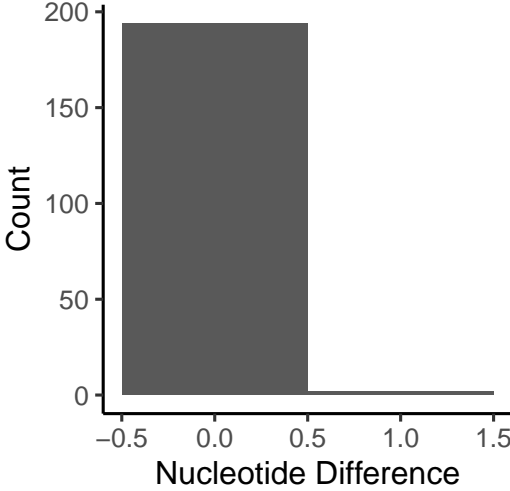
TRBV6-1\*ap01

6350 sequences assigned  
6266 (98.7%) exact matches, in which:  
6253 unique CDR3  
13 unique J



TRBV6-8\*ap01

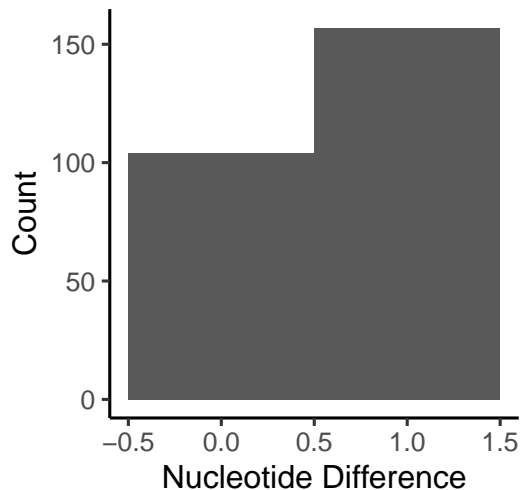
196 sequences assigned  
194 (99%) exact matches, in which:  
194 unique CDR3  
11 unique J





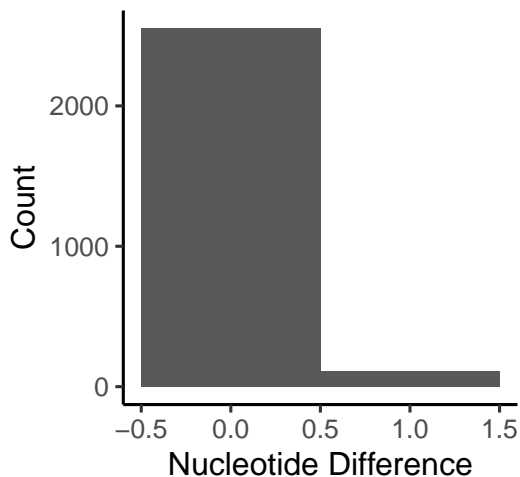
### TRBV6–9\*ap01

261 sequences assigned  
104 (39.8%) exact matches, in which:  
104 unique CDR3  
12 unique J



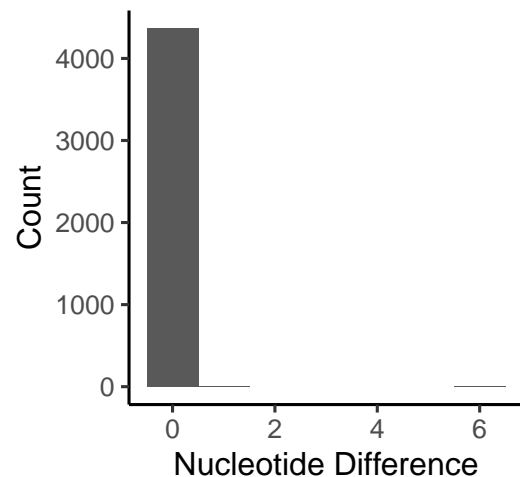
### TRBV6–56\*ap02

2661 sequences assigned  
2552 (95.9%) exact matches, in which:  
2551 unique CDR3  
13 unique J



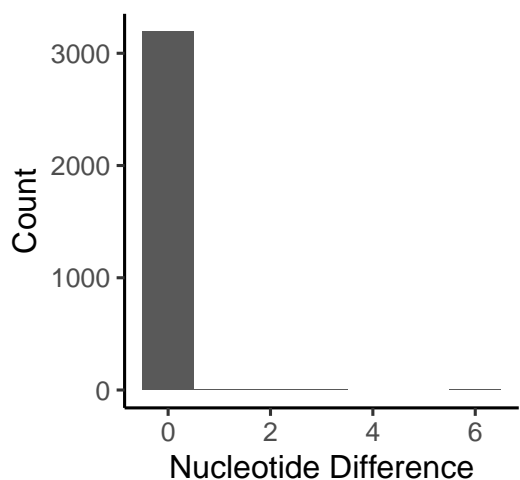
### TRBV7–2\*ap01

4373 sequences assigned  
4366 (99.8%) exact matches, in which:  
4365 unique CDR3  
13 unique J



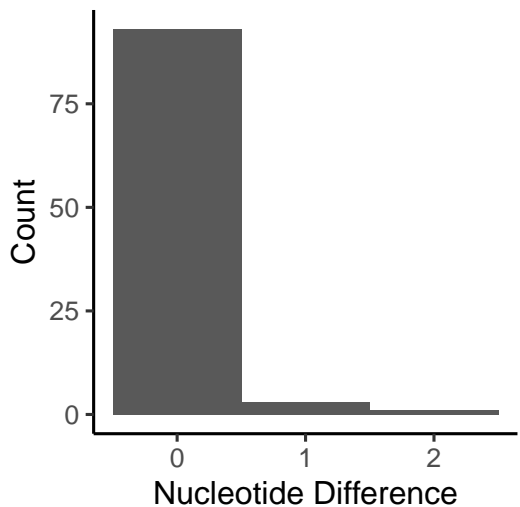
### TRBV6–23\*ap01

3199 sequences assigned  
3192 (99.8%) exact matches, in which:  
3184 unique CDR3  
13 unique J



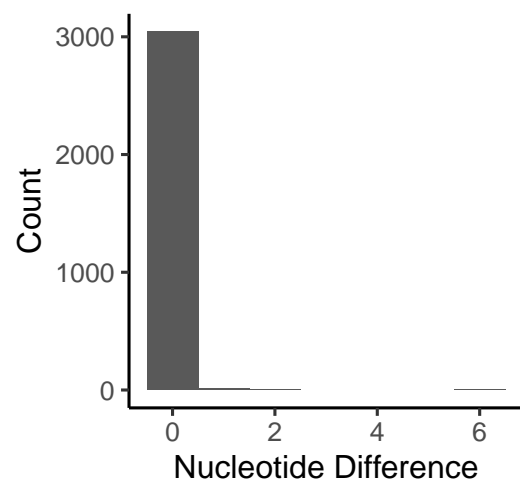
### TRBV7–1\*ap01\_G291C\_T

97 sequences assigned  
93 (95.9%) exact matches, in which:  
93 unique CDR3  
12 unique J



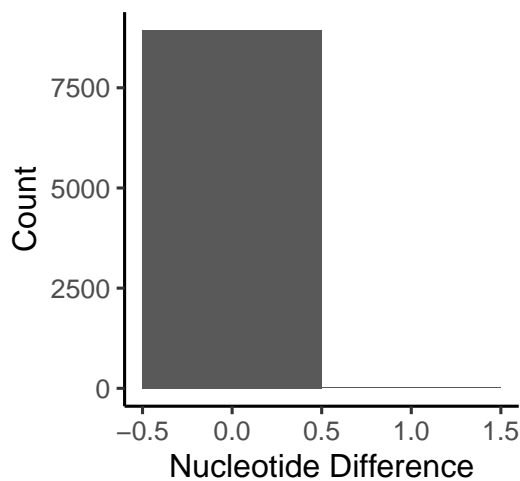
### TRBV7–3\*ap01

3058 sequences assigned  
3043 (99.5%) exact matches, in which:  
3040 unique CDR3  
13 unique J



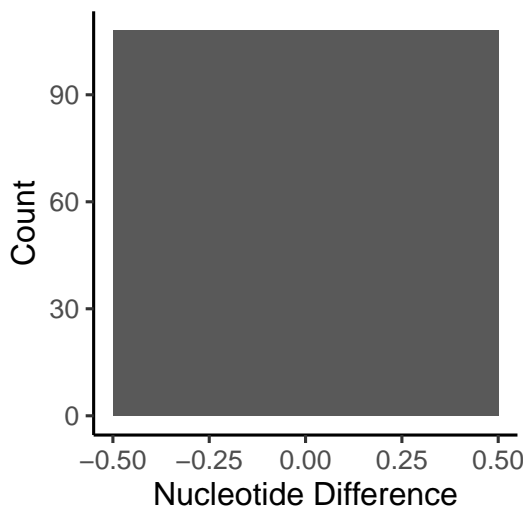
### TRBV6–56\*ap01

8958 sequences assigned  
8941 (99.8%) exact matches, in which:  
8924 unique CDR3  
13 unique J



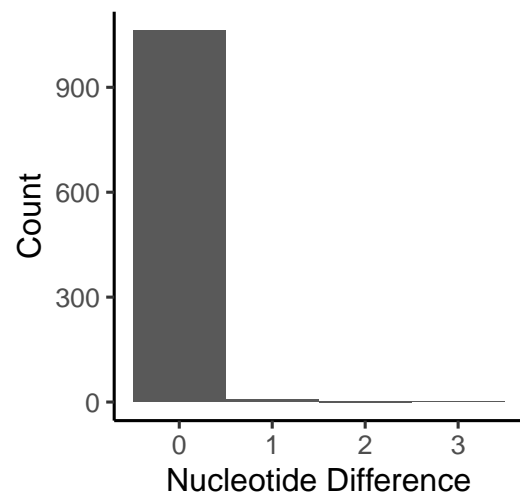
### TRBV7–1\*ap01\_G291C\_T

108 sequences assigned  
108 (100%) exact matches, in which:  
108 unique CDR3  
12 unique J



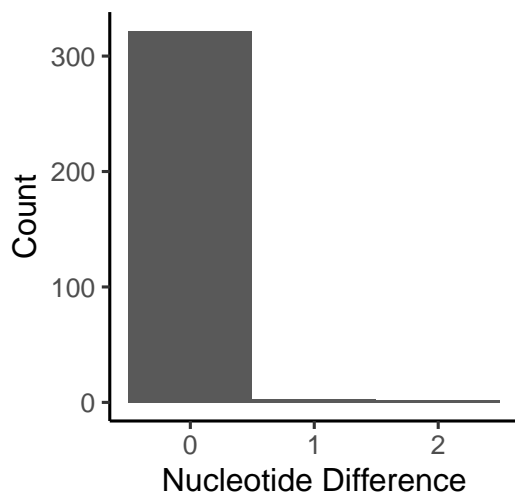
### TRBV7–3\*ap02

1073 sequences assigned  
1063 (99.1%) exact matches, in which:  
1063 unique CDR3  
14 unique J



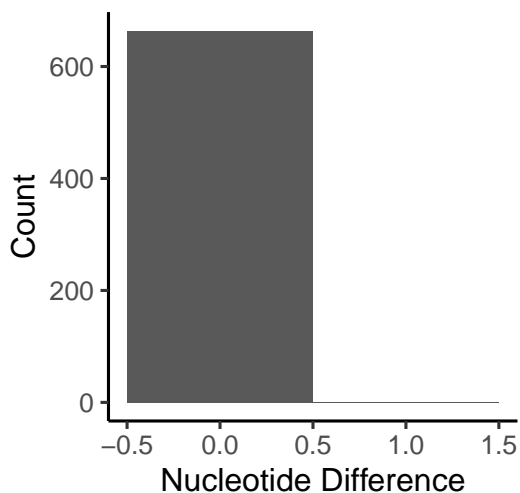
### TRBV7-4\*ap01

327 sequences assigned  
322 (98.5%) exact matches, in which:  
322 unique CDR3  
13 unique J



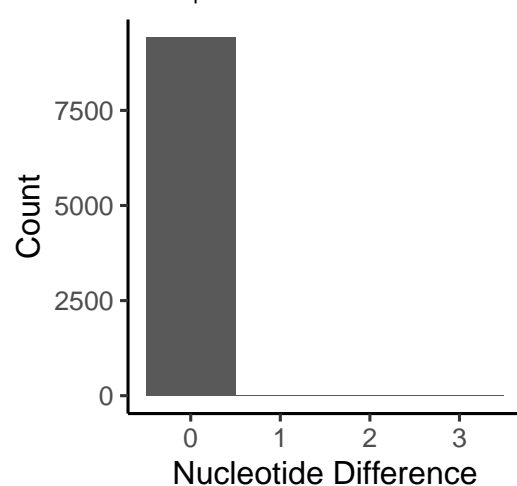
### TRBV7-7\*ap01\_C315T

665 sequences assigned  
664 (99.8%) exact matches, in which:  
662 unique CDR3  
12 unique J



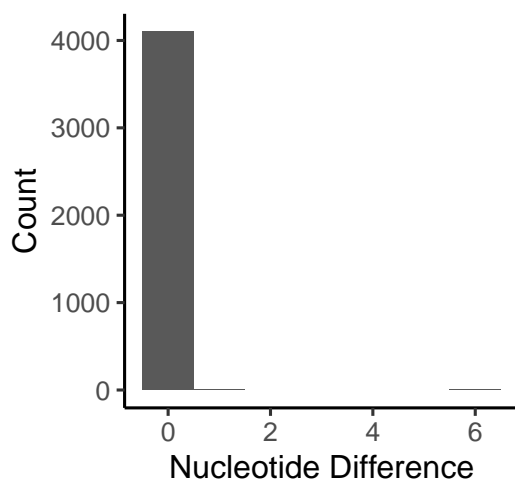
### TRBV7-9\*ap01

9434 sequences assigned  
9419 (99.8%) exact matches, in which:  
9415 unique CDR3  
13 unique J



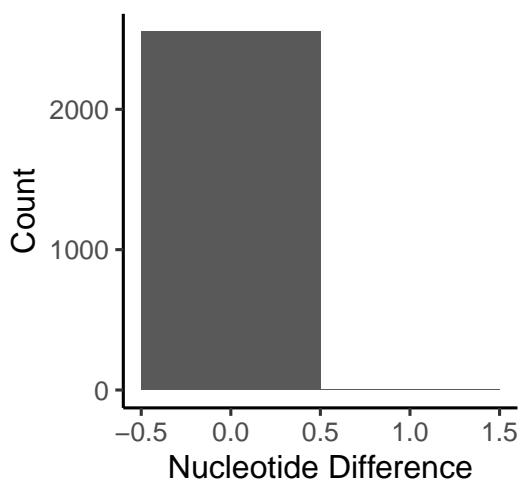
### TRBV7-6\*ap01

4110 sequences assigned  
4100 (99.8%) exact matches, in which:  
4098 unique CDR3  
13 unique J



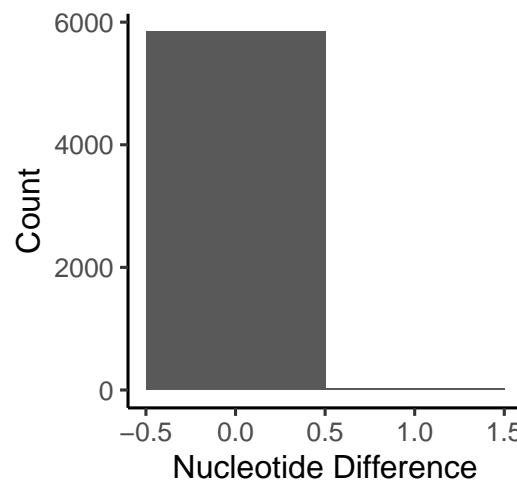
### TRBV7-8\*ap01

2554 sequences assigned  
2553 (100%) exact matches, in which:  
2552 unique CDR3  
13 unique J



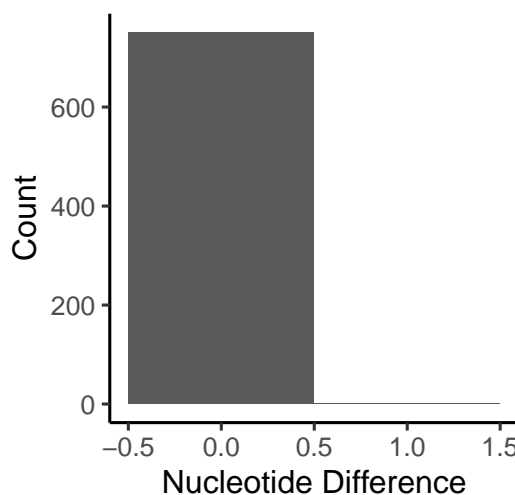
### TRBV29-1\*ap01

5871 sequences assigned  
5844 (99.5%) exact matches, in which:  
5833 unique CDR3  
13 unique J



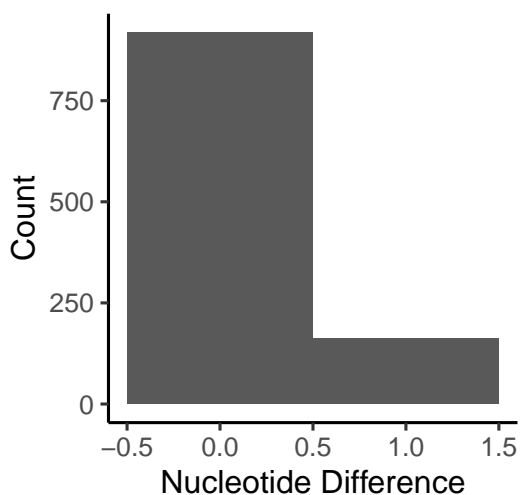
### TRBV7-7\*ap01

752 sequences assigned  
751 (99.9%) exact matches, in which:  
751 unique CDR3  
13 unique J



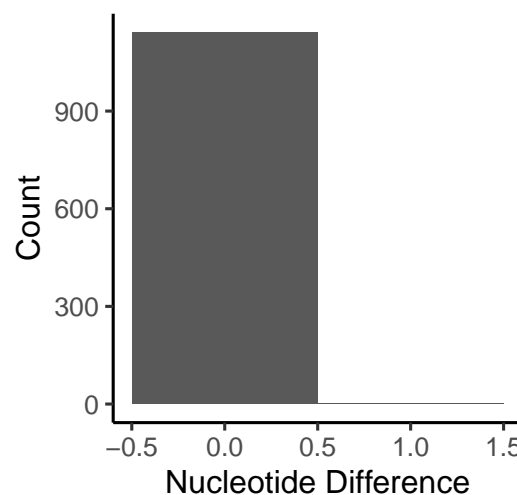
### TRBV7-8\*ap03

1082 sequences assigned  
919 (84.9%) exact matches, in which:  
919 unique CDR3  
13 unique J

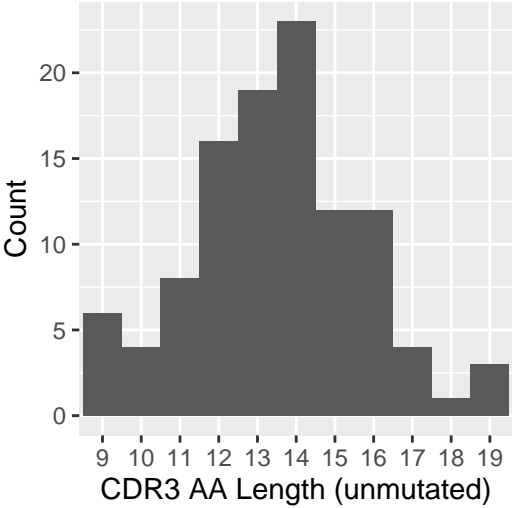


### TRBV29-1\*ap02

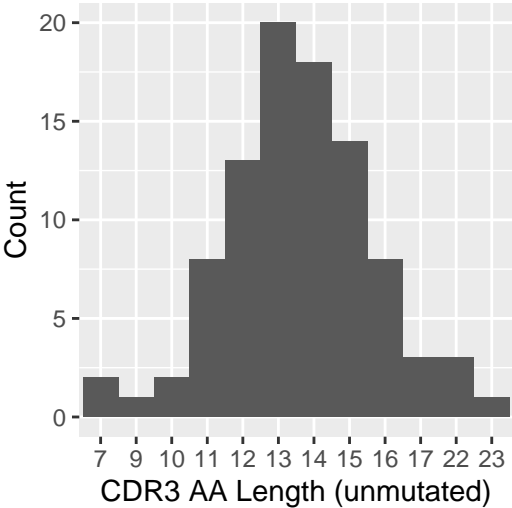
1144 sequences assigned  
1142 (99.8%) exact matches, in which:  
1140 unique CDR3  
13 unique J



TRBV7-1\*ap01\_G291C\_T296C\_C314T



TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T

