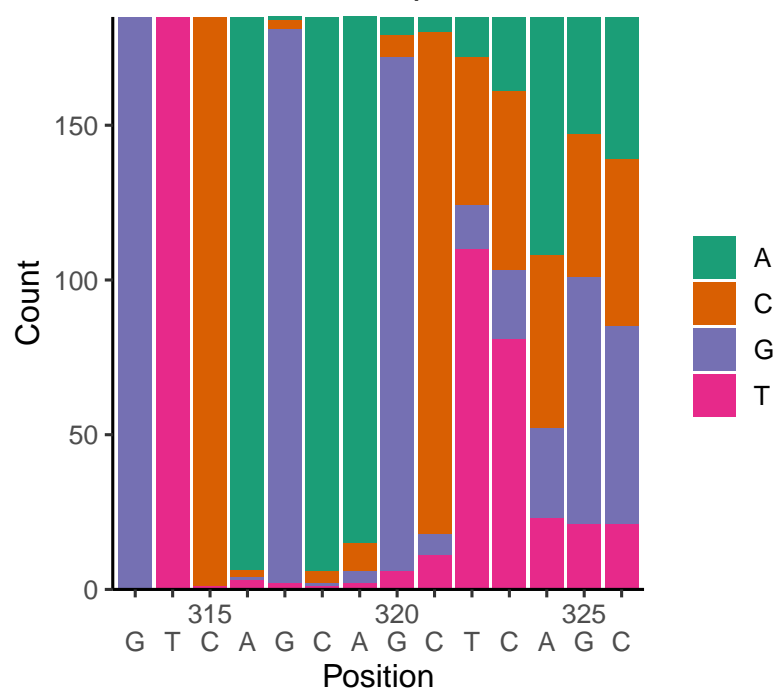
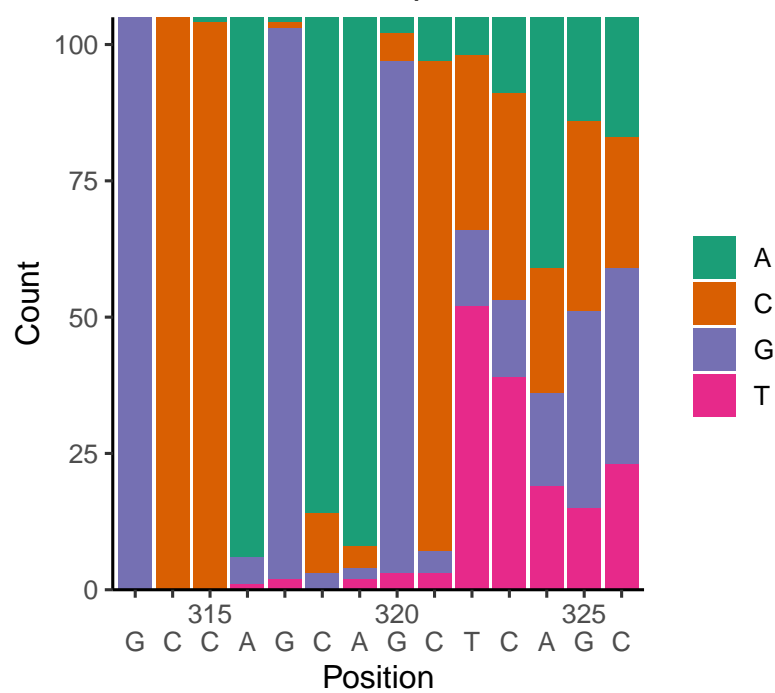


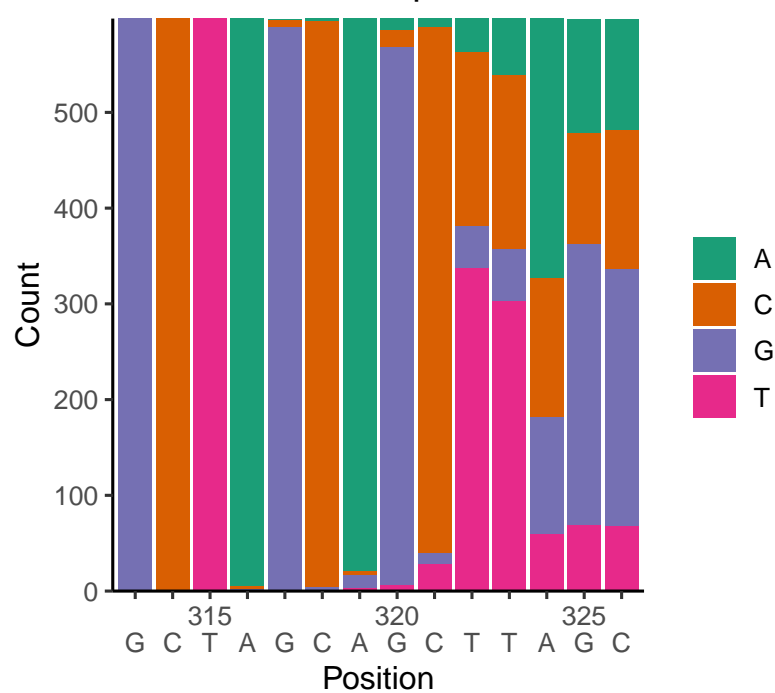
Gene TRBV7-1\*ap01\_G291C\_T296C\_C314T



Gene TRBV7-1\*ap01\_G291C\_T296C



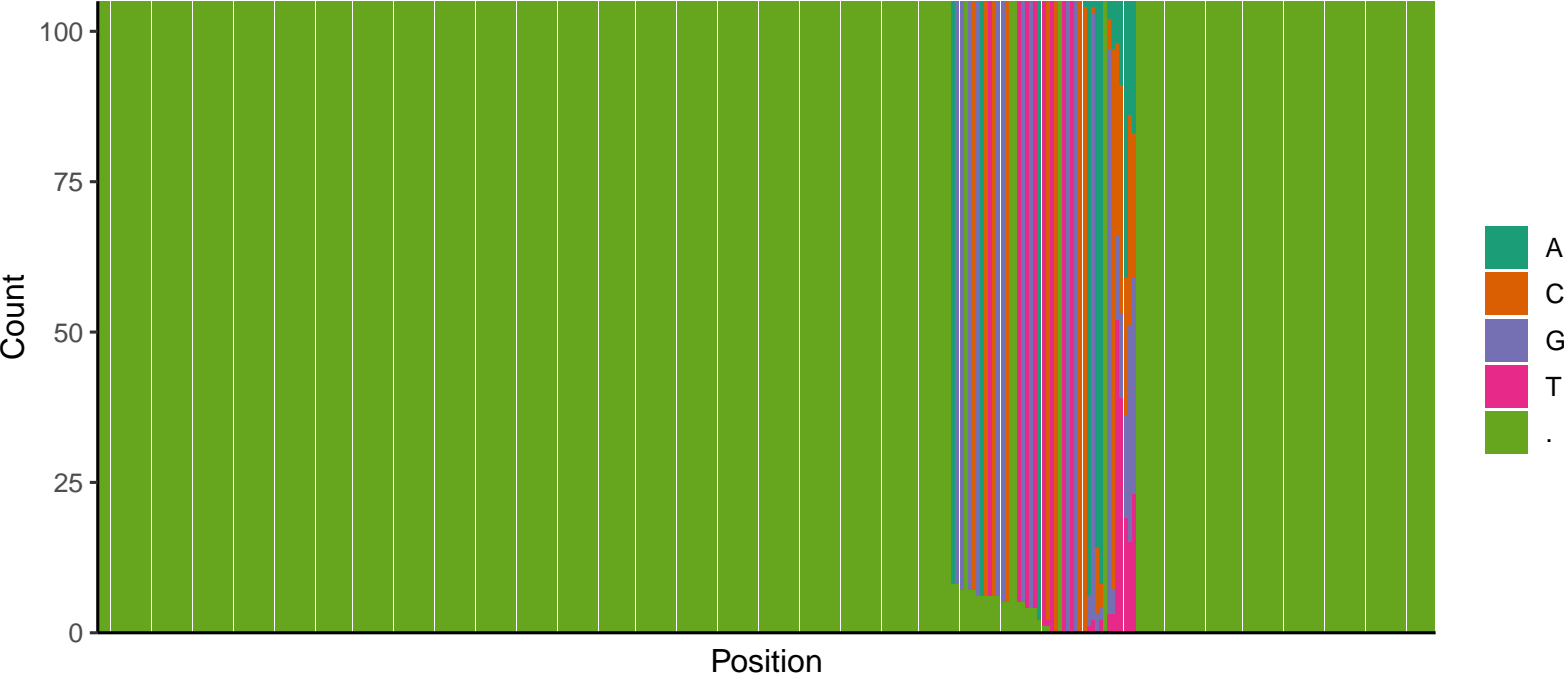
Gene TRBV7-7\*ap01\_C315T



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



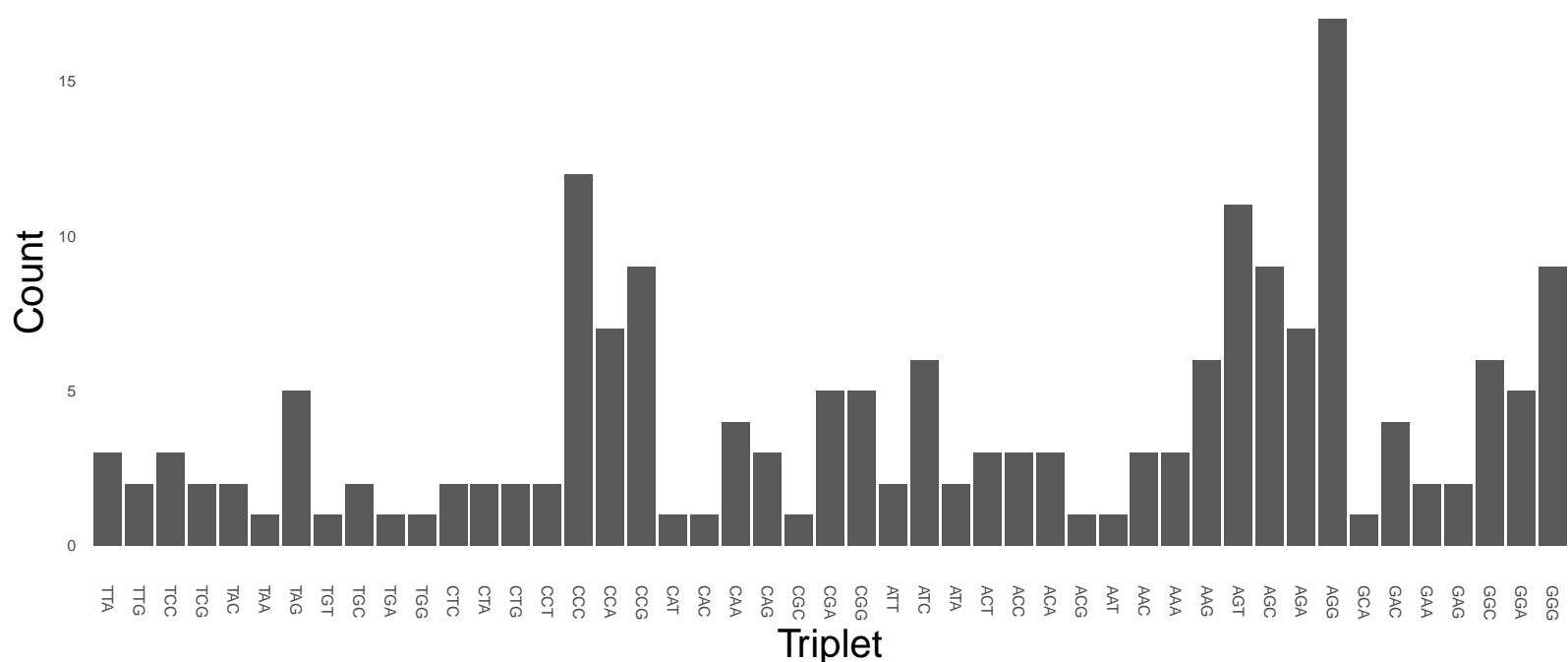
Gene TRBV7-1\*ap01\_G291C\_T296C



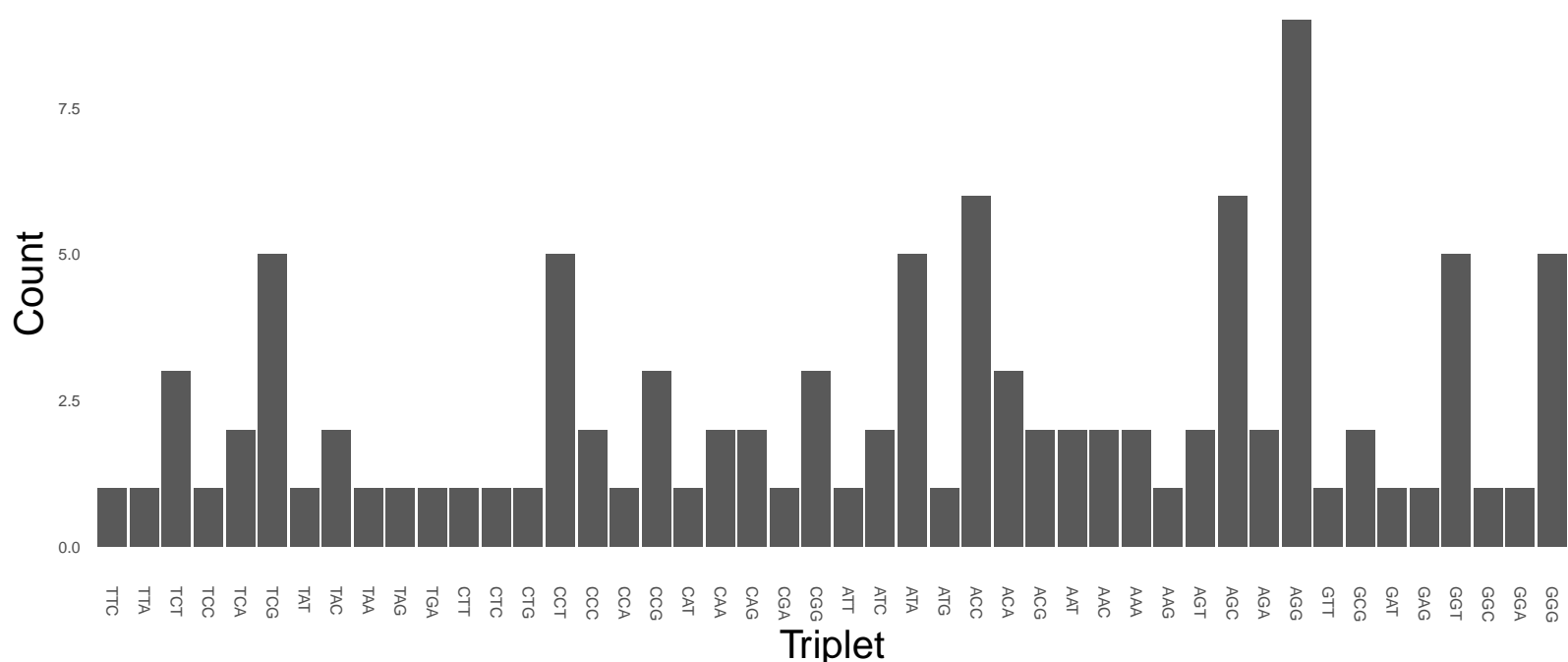
Gene TRBV7-7\*ap01\_C315T



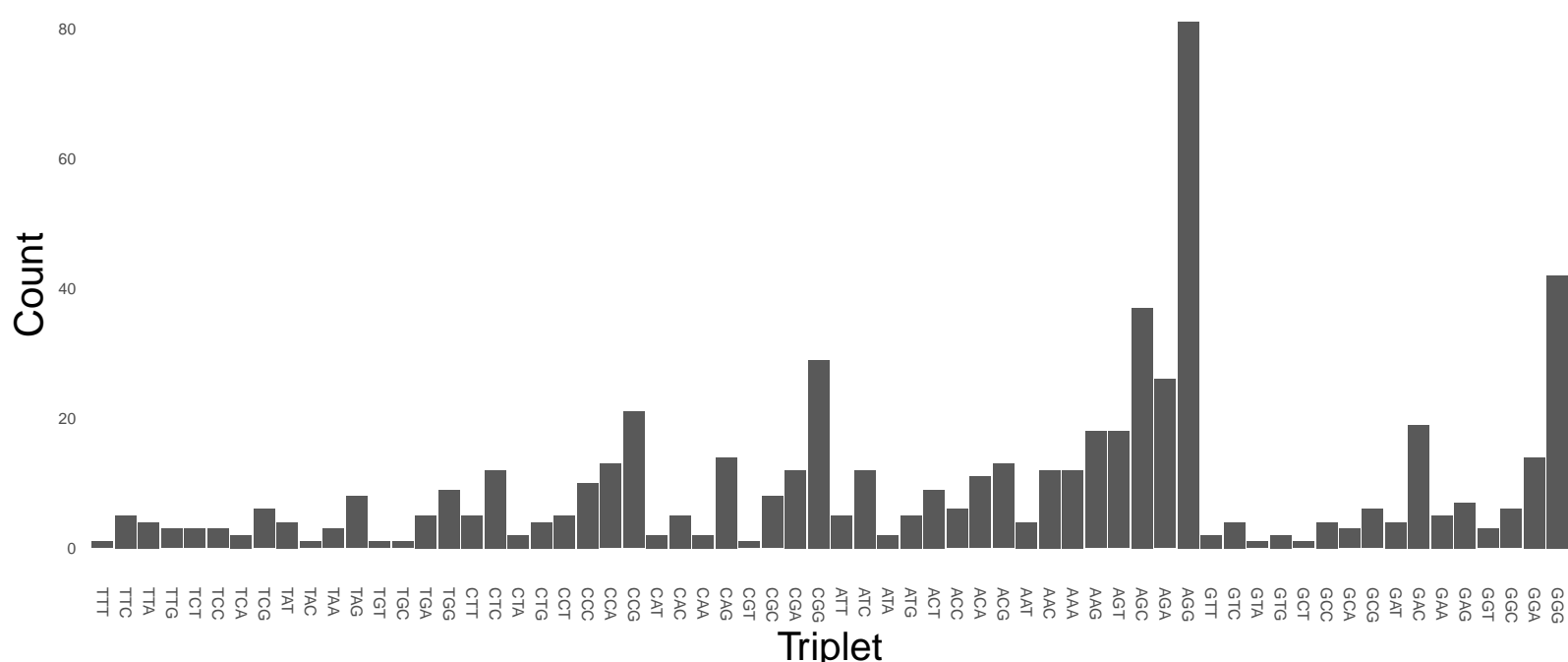
TRBV7-1\*ap01\_G291C\_T296C\_C314T- Final 3 nucleotides as a triplet



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

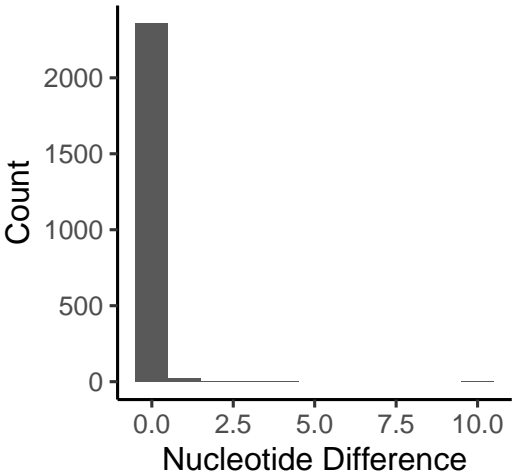


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



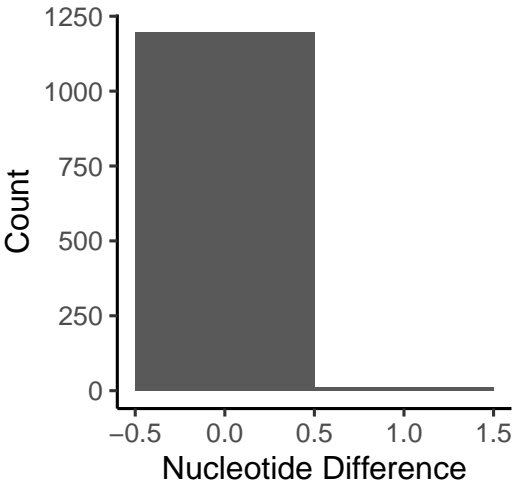
TRBV10-1\*ap01

2388 sequences assigned  
2358 (98.7%) exact matches, in which:  
2299 unique CDR3  
13 unique J



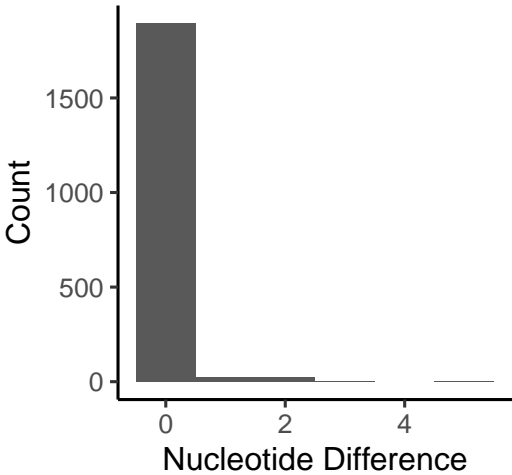
TRBV10-2\*ap01

1209 sequences assigned  
1196 (98.9%) exact matches, in which:  
1154 unique CDR3  
13 unique J



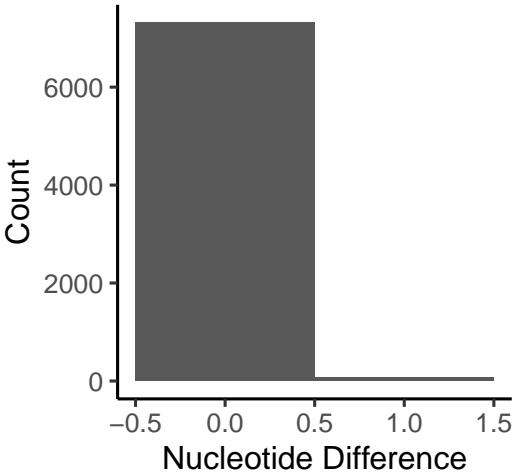
TRBV13\*ap01

1946 sequences assigned  
1894 (97.3%) exact matches, in which:  
1837 unique CDR3  
13 unique J



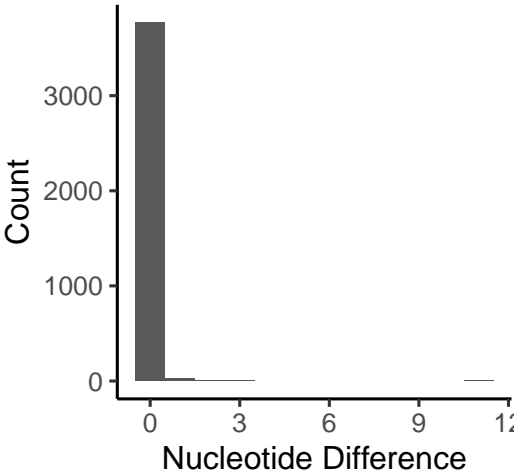
TRBV20-1\*ap01

7386 sequences assigned  
7315 (99%) exact matches, in which:  
7178 unique CDR3  
13 unique J



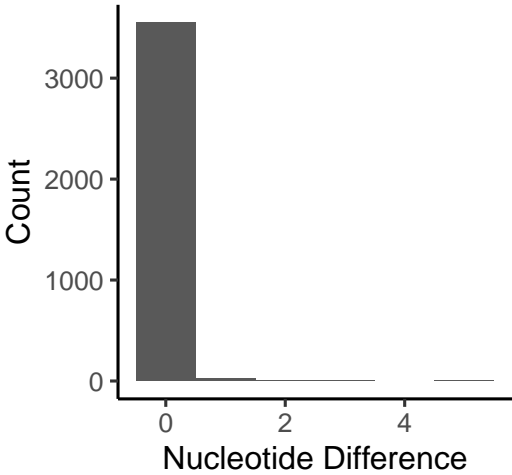
TRBV10-3\*ap01

3802 sequences assigned  
3767 (99.1%) exact matches, in which:  
3686 unique CDR3  
13 unique J



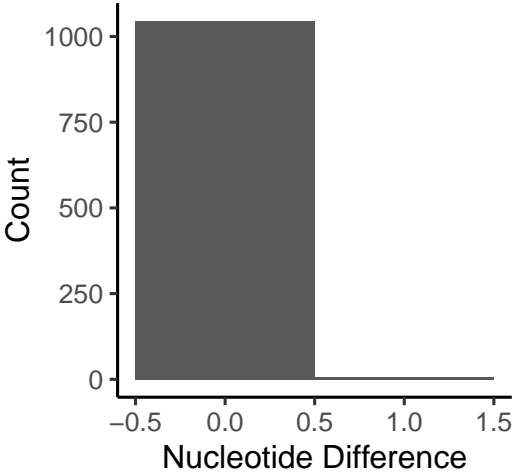
TRBV14\*ap01

3576 sequences assigned  
3549 (99.2%) exact matches, in which:  
3485 unique CDR3  
13 unique J



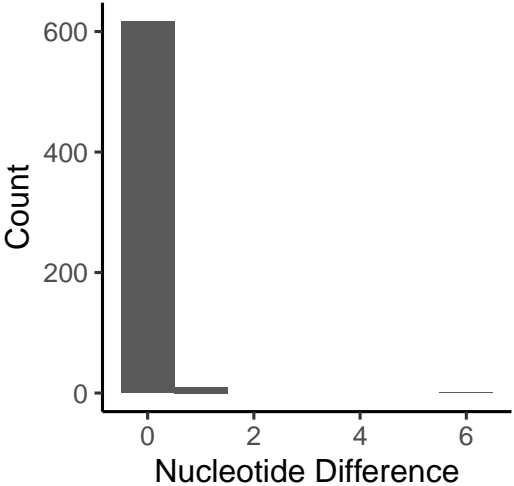
TRBV20-1\*ap02

1052 sequences assigned  
1045 (99.3%) exact matches, in which:  
1022 unique CDR3  
13 unique J



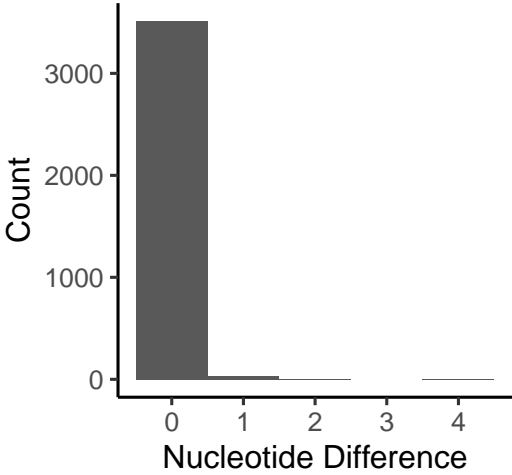
TRBV1\*ap01

628 sequences assigned  
617 (98.2%) exact matches, in which:  
602 unique CDR3  
13 unique J



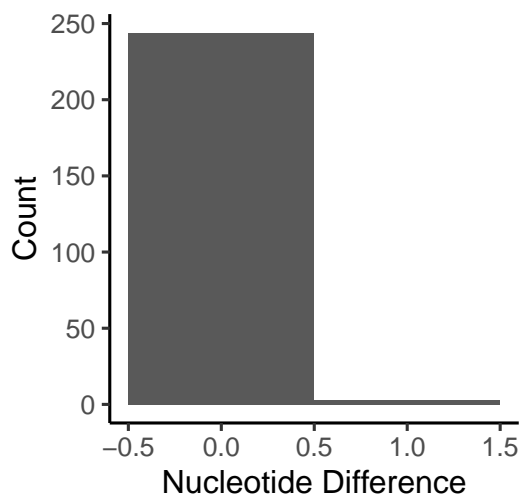
TRBV15\*ap02

3550 sequences assigned  
3513 (99%) exact matches, in which:  
3425 unique CDR3  
13 unique J



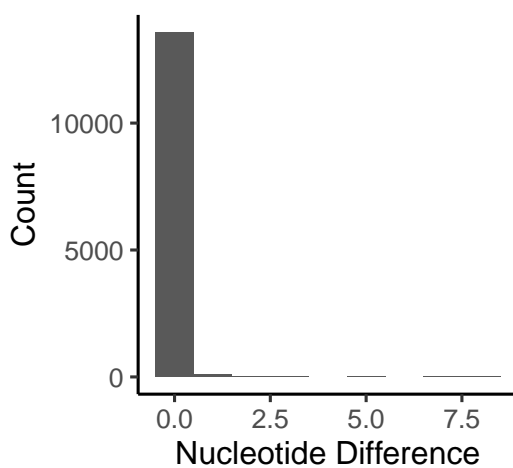
### TRBV16\*ap01

247 sequences assigned  
244 (98.8%) exact matches, in which:  
241 unique CDR3  
13 unique J



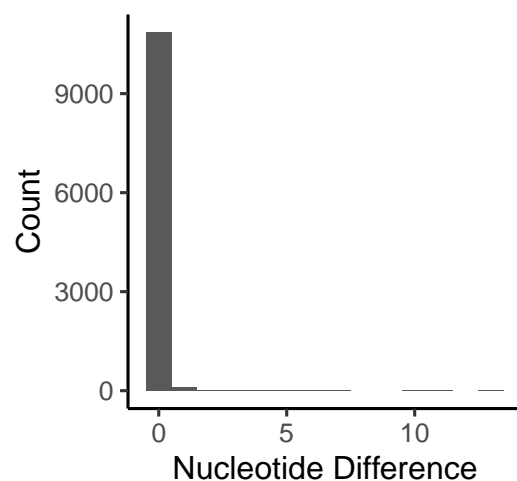
### TRBV19\*ap01

13717 sequences assigned  
13582 (99%) exact matches, in which:  
13413 unique CDR3  
13 unique J



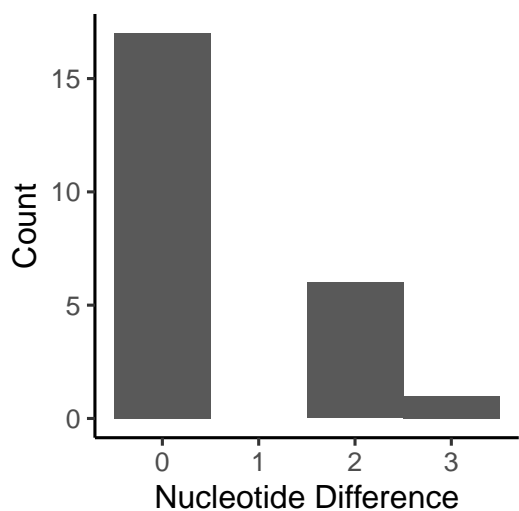
### TRBV27\*ap01

10986 sequences assigned  
10855 (98.8%) exact matches, in which:  
10601 unique CDR3  
13 unique J



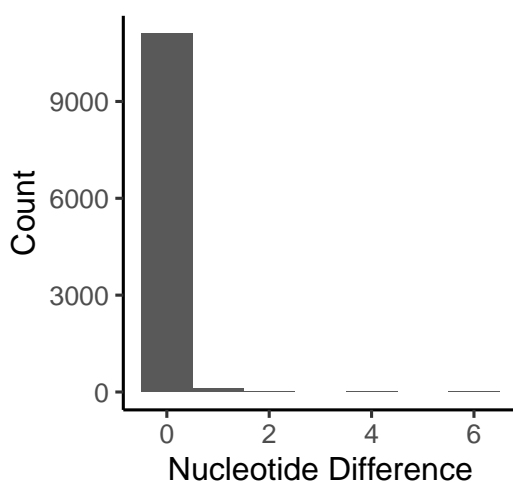
### TRBV17\*ap01

24 sequences assigned  
17 (70.8%) exact matches, in which:  
16 unique CDR3  
9 unique J



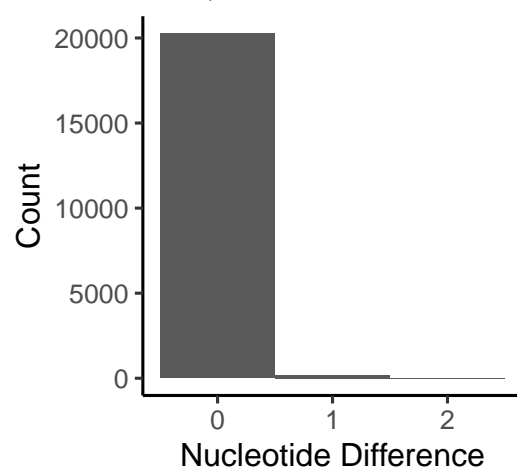
### TRBV2\*ap01

11210 sequences assigned  
11098 (99%) exact matches, in which:  
10834 unique CDR3  
13 unique J



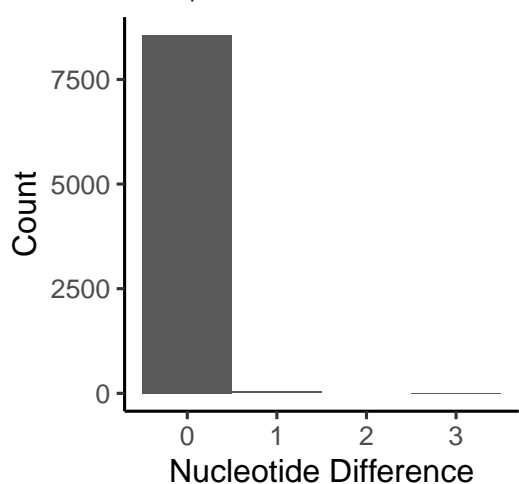
### TRBV28\*ap01

20470 sequences assigned  
20265 (99%) exact matches, in which:  
19853 unique CDR3  
13 unique J



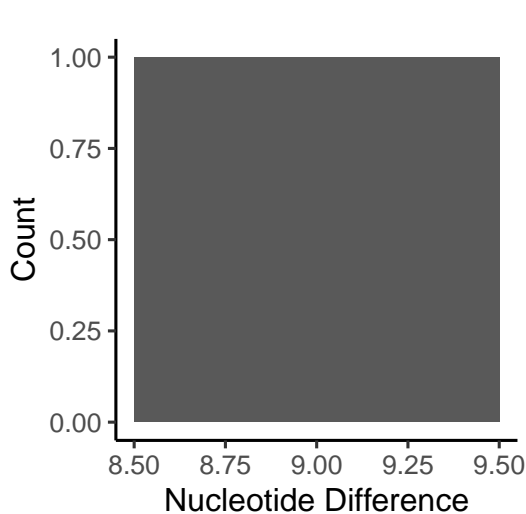
### TRBV18\*ap01

8608 sequences assigned  
8561 (99.5%) exact matches, in which:  
8441 unique CDR3  
13 unique J



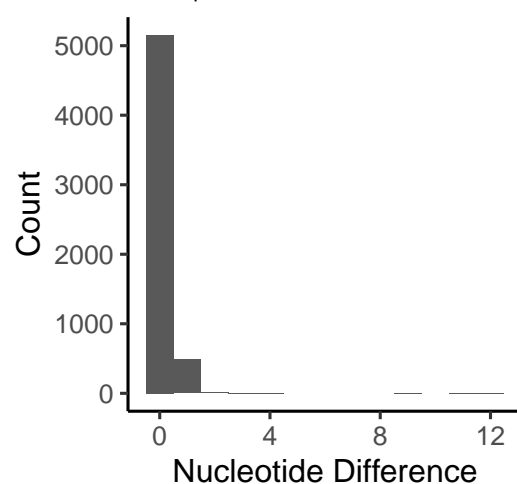
### TRBV26\*ap01

1 sequences assigned  
No exact matches.



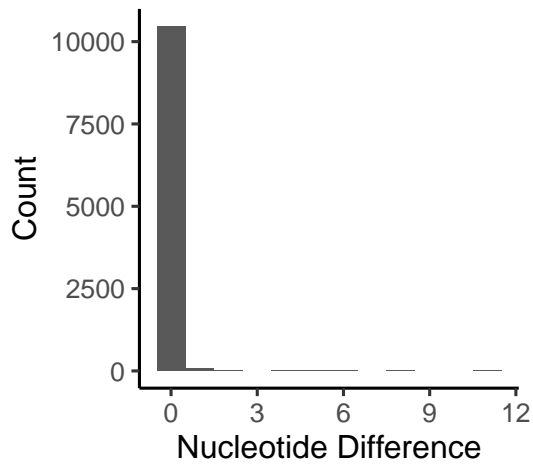
### TRBV30\*ap01

5659 sequences assigned  
5153 (91.1%) exact matches, in which:  
5069 unique CDR3  
13 unique J



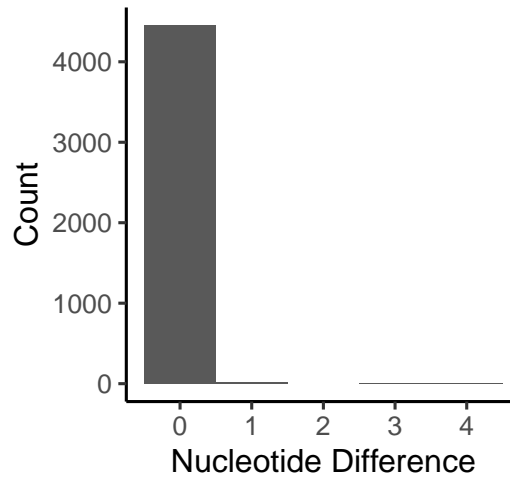
### TRBV9\*ap01

10573 sequences assigned  
10470 (99%) exact matches, in which:  
10280 unique CDR3  
13 unique J



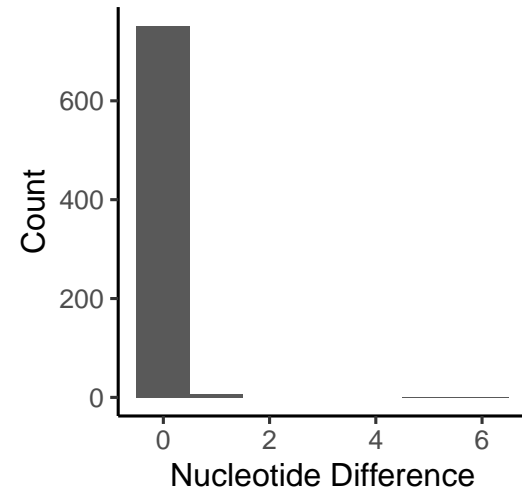
### TRBV11-2\*ap01

4478 sequences assigned  
4452 (99.4%) exact matches, in which:  
4410 unique CDR3  
13 unique J



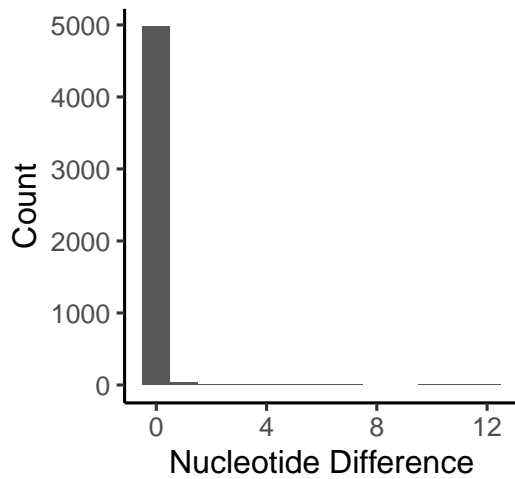
### TRBV12-2\*ap01

761 sequences assigned  
752 (98.8%) exact matches, in which:  
738 unique CDR3  
13 unique J



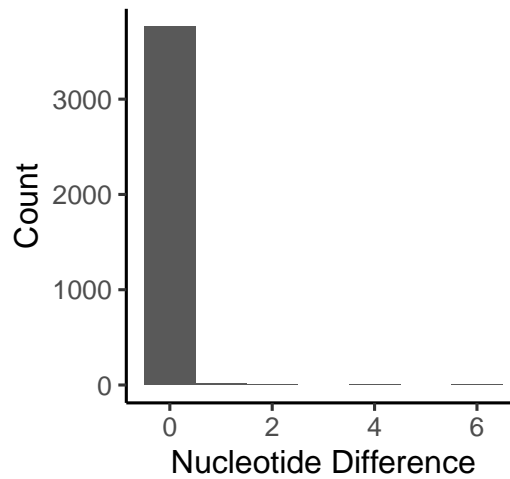
### TRBV21-1\*ap01

5039 sequences assigned  
4975 (98.7%) exact matches, in which:  
4904 unique CDR3  
13 unique J



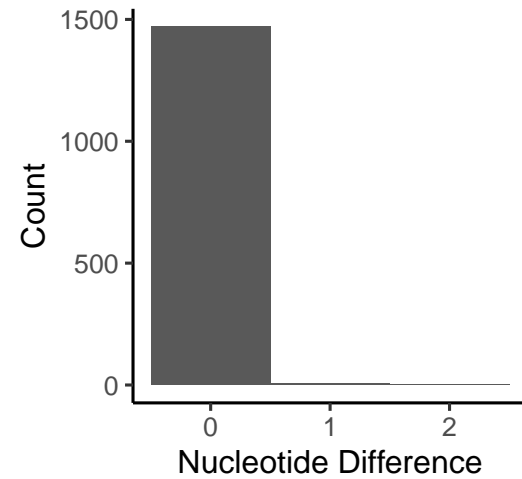
### TRBV11-3\*ap01

3780 sequences assigned  
3760 (99.5%) exact matches, in which:  
3728 unique CDR3  
13 unique J



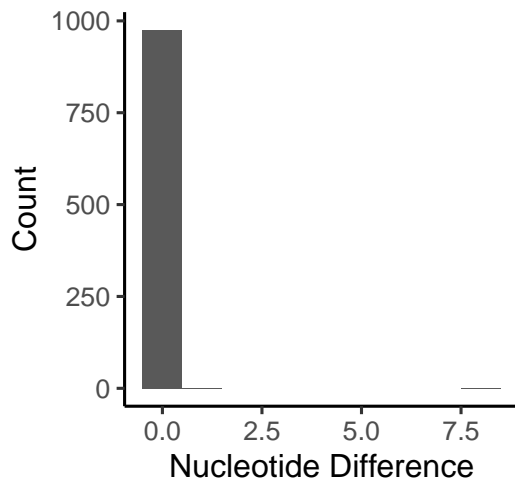
### TRBV12-5\*ap01

1479 sequences assigned  
1470 (99.4%) exact matches, in which:  
1438 unique CDR3  
13 unique J



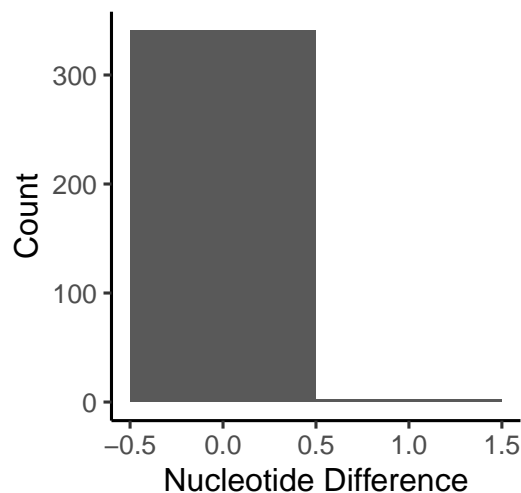
### TRBV11-1\*ap01

977 sequences assigned  
975 (99.8%) exact matches, in which:  
960 unique CDR3  
13 unique J



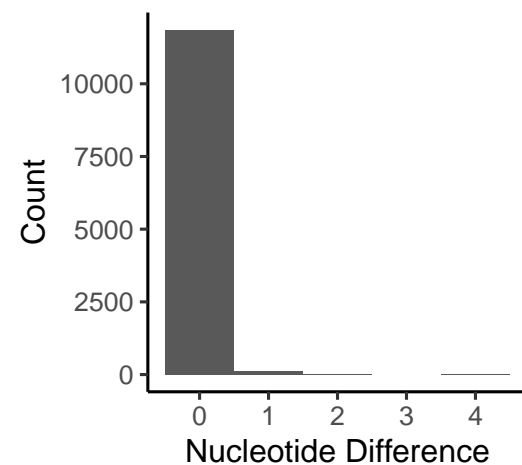
### TRBV12-1\*ap01

343 sequences assigned  
341 (99.4%) exact matches, in which:  
336 unique CDR3  
13 unique J



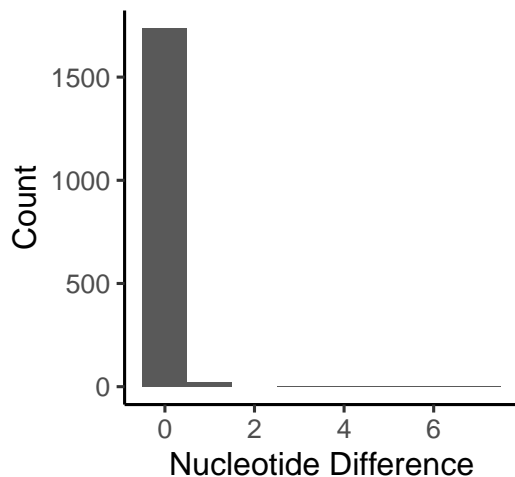
### TRBV12-34\*ap01

11970 sequences assigned  
11856 (99%) exact matches, in which:  
11594 unique CDR3  
13 unique J



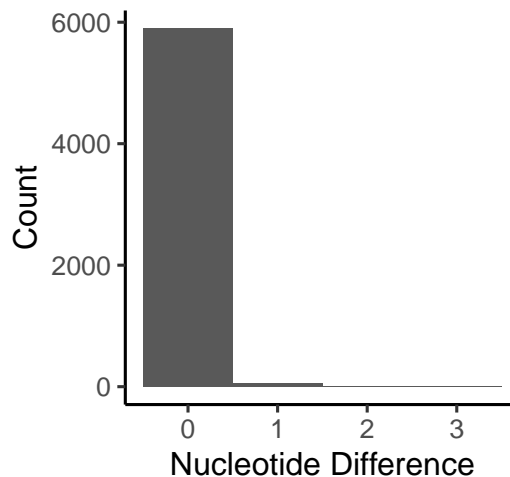
### TRBV23-1\*ap01

1767 sequences assigned  
1736 (98.2%) exact matches, in which:  
1710 unique CDR3  
13 unique J



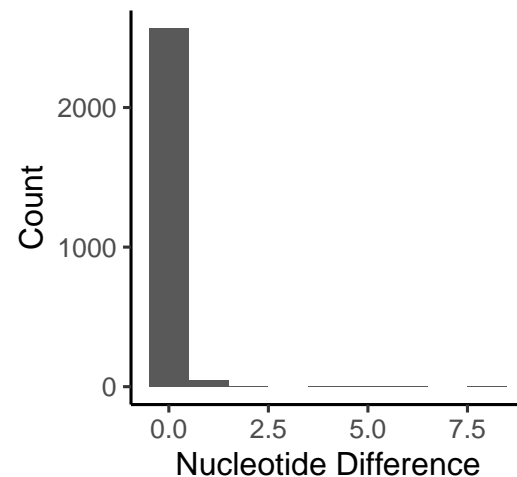
### TRBV4-1\*ap01

5951 sequences assigned  
5898 (99.1%) exact matches, in which:  
5763 unique CDR3  
13 unique J



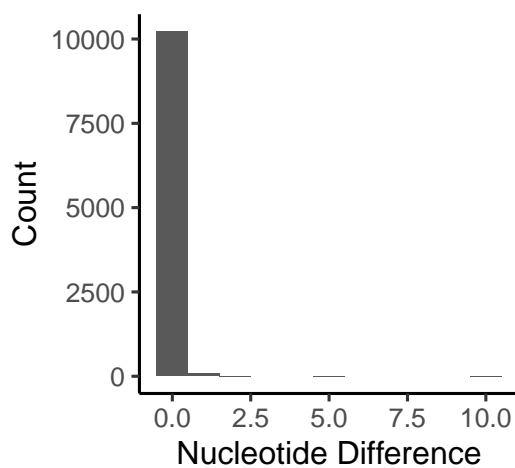
### TRBV25-1\*ap01

2624 sequences assigned  
2567 (97.8%) exact matches, in which:  
2524 unique CDR3  
13 unique J



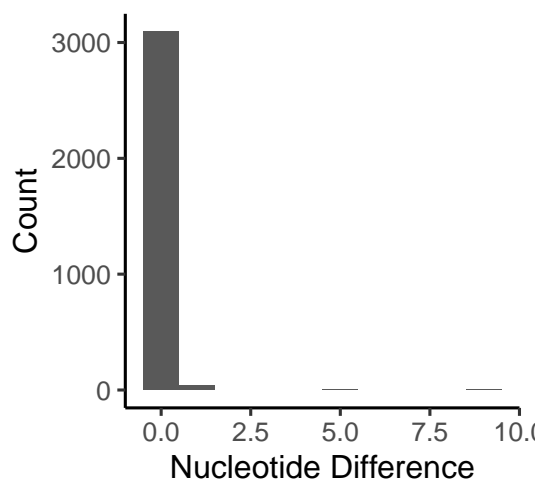
### TRBV3-12\*ap01

10305 sequences assigned  
10224 (99.2%) exact matches, in which:  
10062 unique CDR3  
13 unique J



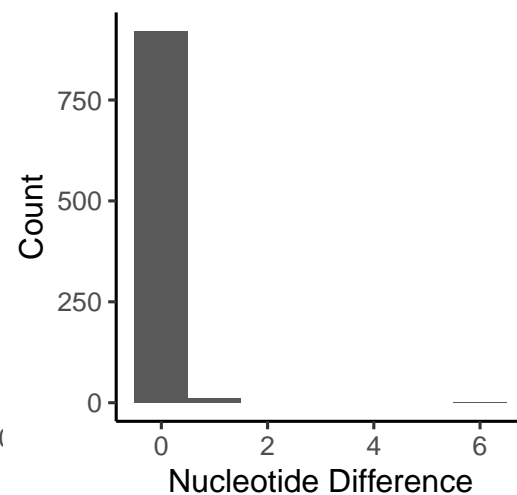
### TRBV4-2\*ap01

3138 sequences assigned  
3093 (98.6%) exact matches, in which:  
3018 unique CDR3  
13 unique J



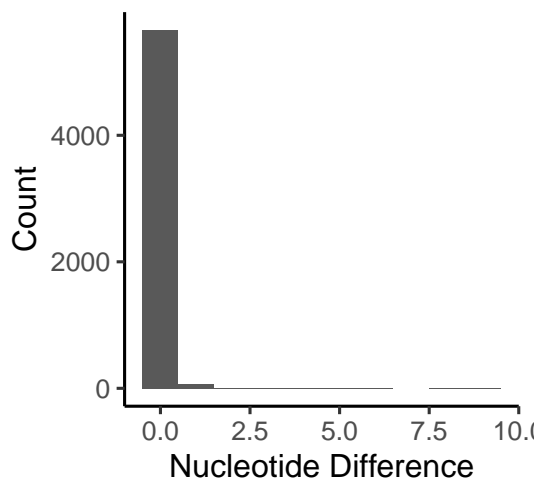
### TRBV5-3\*ap01

933 sequences assigned  
921 (98.7%) exact matches, in which:  
896 unique CDR3  
13 unique J



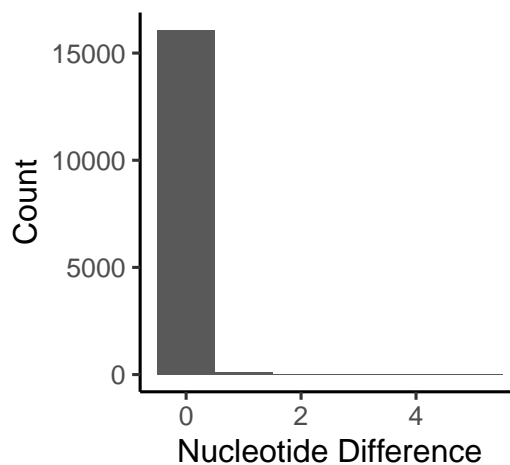
### TRBV24-1\*ap01

5742 sequences assigned  
5664 (98.6%) exact matches, in which:  
5547 unique CDR3  
13 unique J



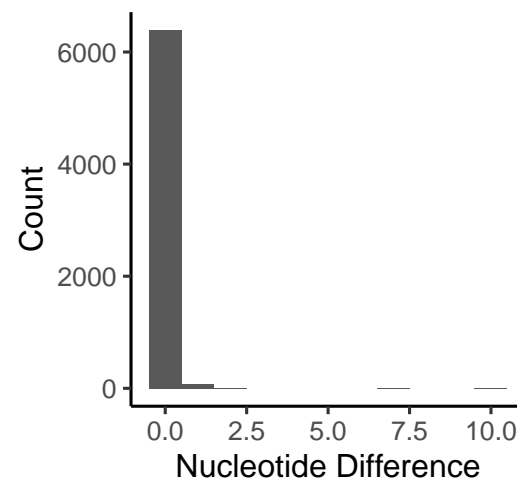
### TRBV5-1\*ap01

16226 sequences assigned  
16087 (99.1%) exact matches, in which:  
15634 unique CDR3  
13 unique J



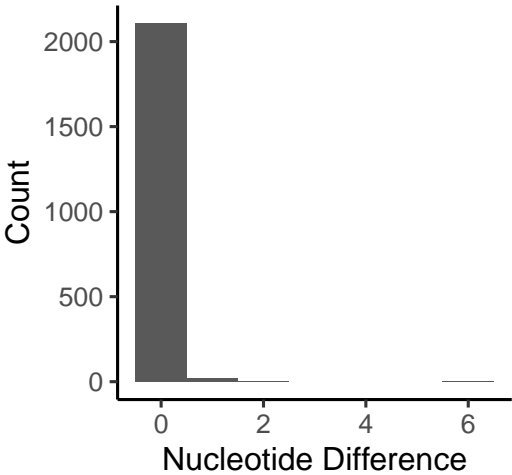
### TRBV5-4\*ap01

6468 sequences assigned  
6392 (98.8%) exact matches, in which:  
6227 unique CDR3  
13 unique J



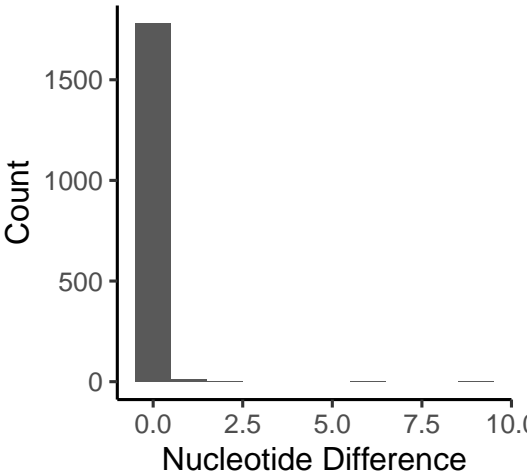
TRBV5-5\*ap01

2130 sequences assigned  
2107 (98.9%) exact matches, in which:  
2089 unique CDR3  
13 unique J



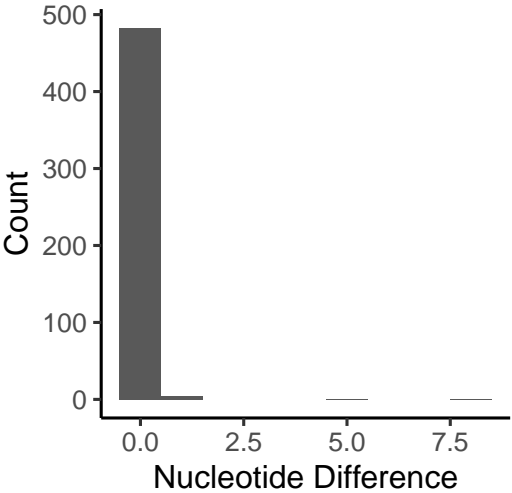
TRBV5-8\*ap01

1795 sequences assigned  
1780 (99.2%) exact matches, in which:  
1741 unique CDR3  
13 unique J



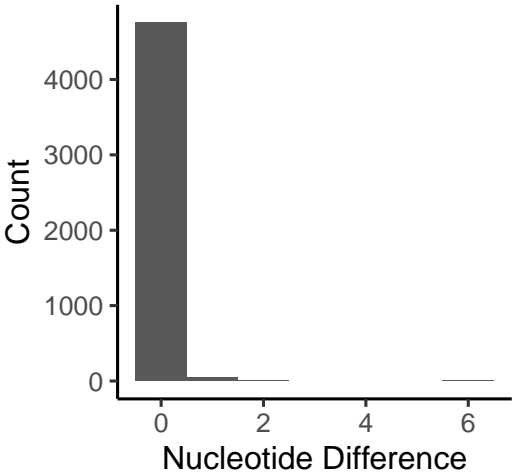
TRBV6-7\*ap01

489 sequences assigned  
483 (98.8%) exact matches, in which:  
469 unique CDR3  
13 unique J



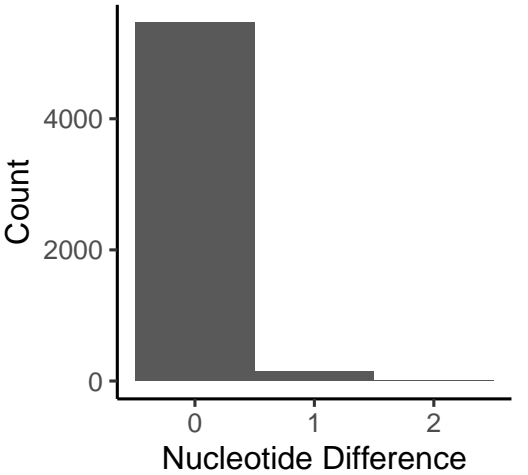
TRBV5-6\*ap01

4807 sequences assigned  
4753 (98.9%) exact matches, in which:  
4621 unique CDR3  
13 unique J



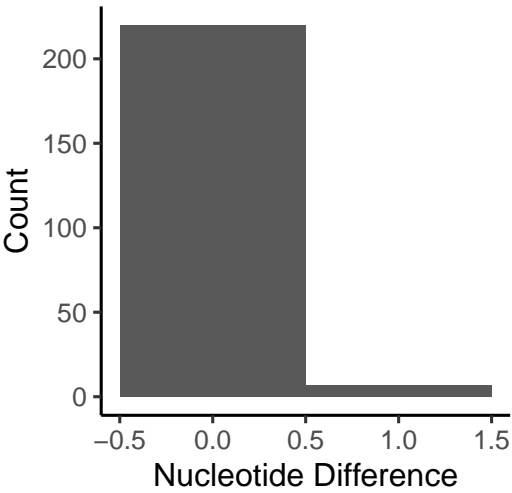
TRBV6-1\*ap01

5610 sequences assigned  
5465 (97.4%) exact matches, in which:  
5314 unique CDR3  
13 unique J



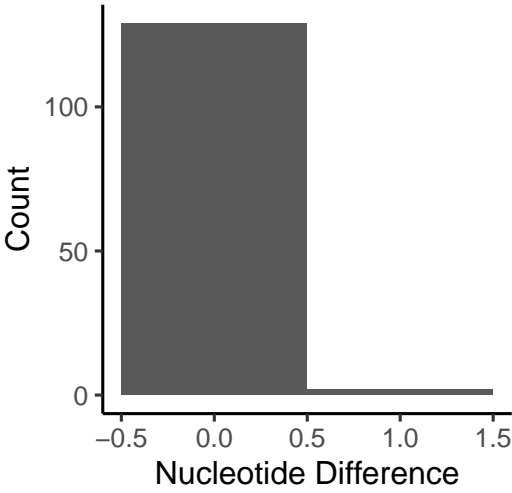
TRBV6-8\*ap01

227 sequences assigned  
220 (96.9%) exact matches, in which:  
215 unique CDR3  
13 unique J



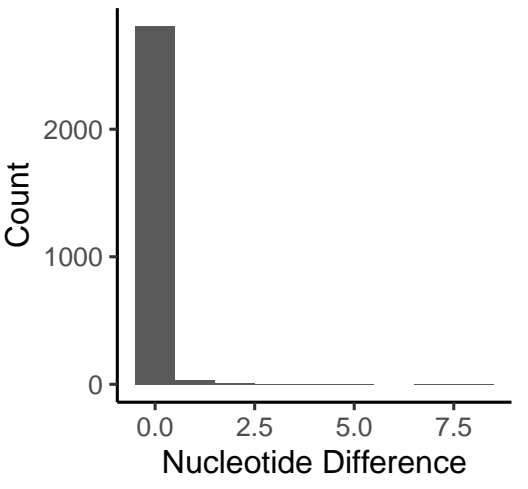
TRBV5-7\*ap01

131 sequences assigned  
129 (98.5%) exact matches, in which:  
128 unique CDR3  
12 unique J



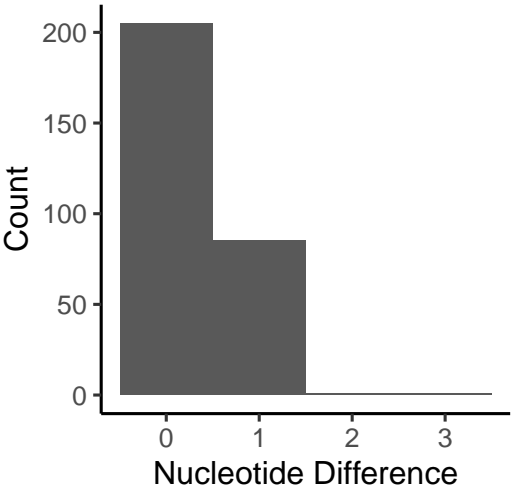
TRBV6-4\*ap01

2859 sequences assigned  
2809 (98.3%) exact matches, in which:  
2760 unique CDR3  
13 unique J



TRBV6-9\*ap01

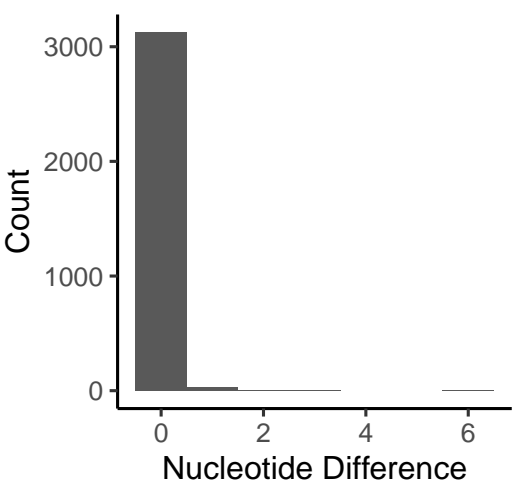
292 sequences assigned  
205 (70.2%) exact matches, in which:  
197 unique CDR3  
13 unique J





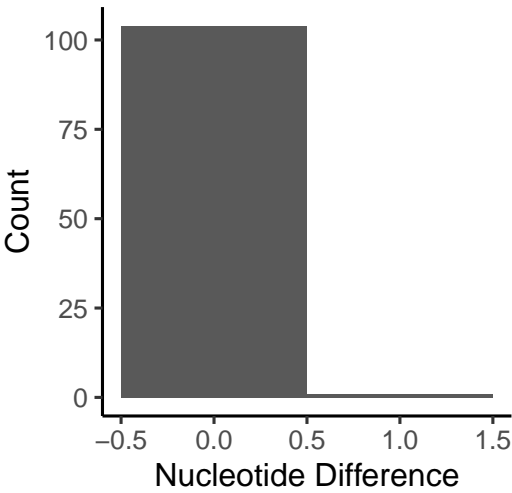
TRBV6-23\*ap01

3156 sequences assigned  
3125 (99%) exact matches, in which:  
3038 unique CDR3  
13 unique J



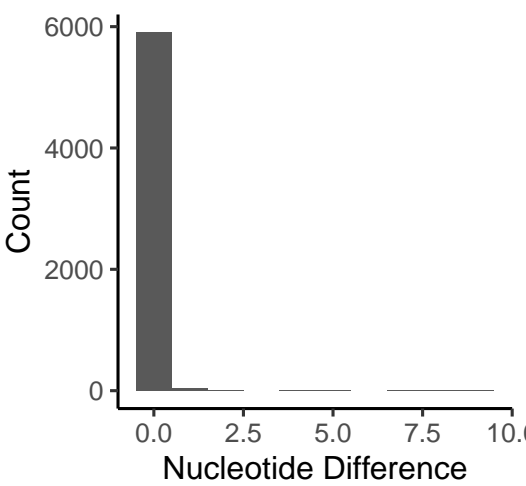
TRBV7-1\*ap01\_G291C\_

105 sequences assigned  
104 (99%) exact matches, in which:  
103 unique CDR3  
12 unique J



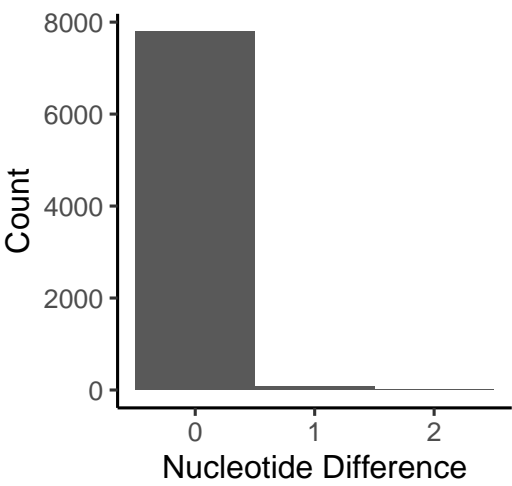
TRBV7-3\*ap01

5955 sequences assigned  
5905 (99.2%) exact matches, in which:  
5808 unique CDR3  
13 unique J



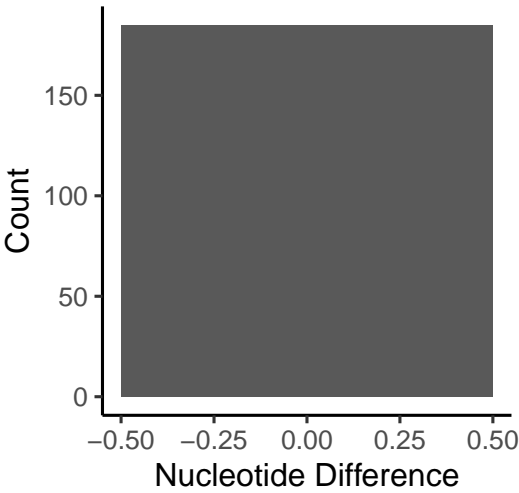
TRBV6-56\*ap01

7868 sequences assigned  
7791 (99%) exact matches, in which:  
7575 unique CDR3  
13 unique J



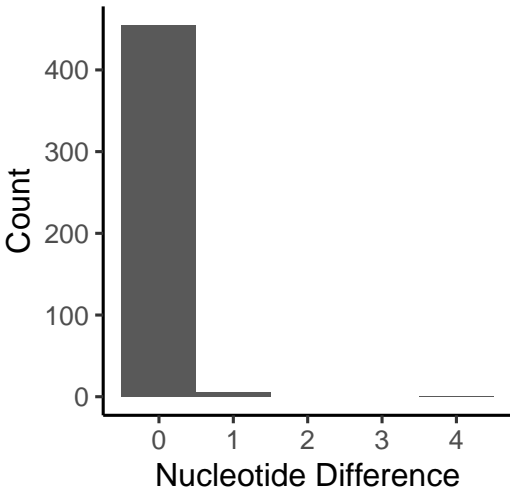
TRBV7-1\*ap01\_G291C\_

185 sequences assigned  
185 (100%) exact matches, in which:  
183 unique CDR3  
13 unique J



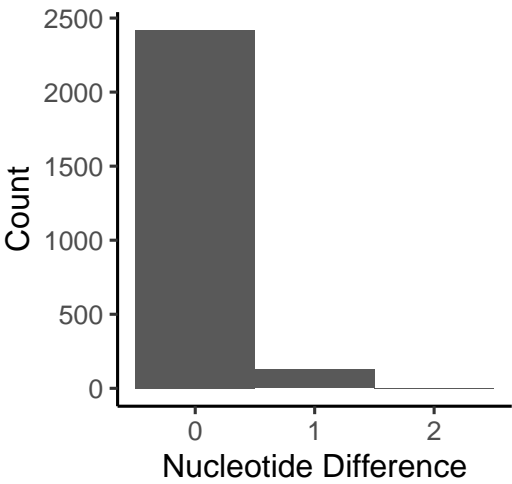
TRBV7-4\*ap01

461 sequences assigned  
455 (98.7%) exact matches, in which:  
440 unique CDR3  
13 unique J



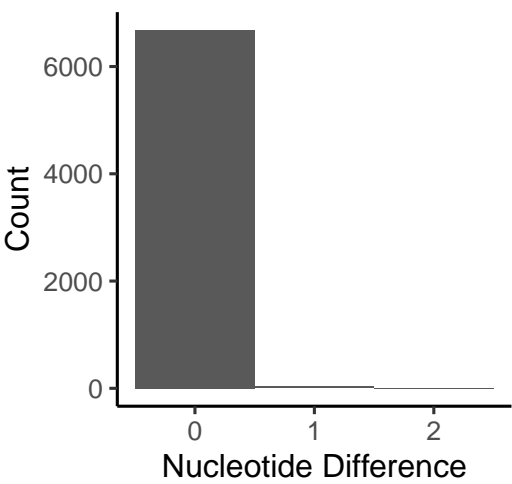
TRBV6-56\*ap02

2548 sequences assigned  
2419 (94.9%) exact matches, in which:  
2344 unique CDR3  
13 unique J



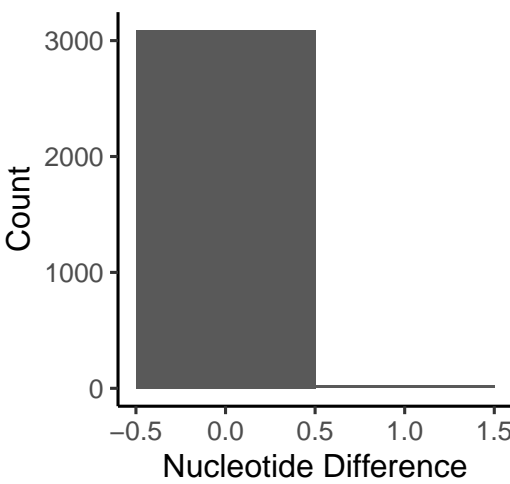
TRBV7-2\*ap01

6715 sequences assigned  
6680 (99.5%) exact matches, in which:  
6561 unique CDR3  
13 unique J



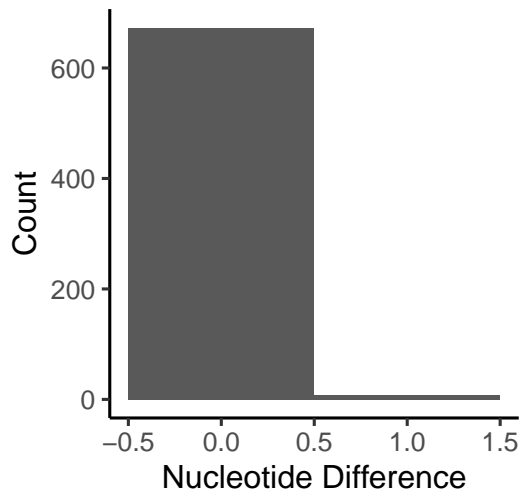
TRBV7-6\*ap01

3115 sequences assigned  
3091 (99.2%) exact matches, in which:  
3029 unique CDR3  
13 unique J



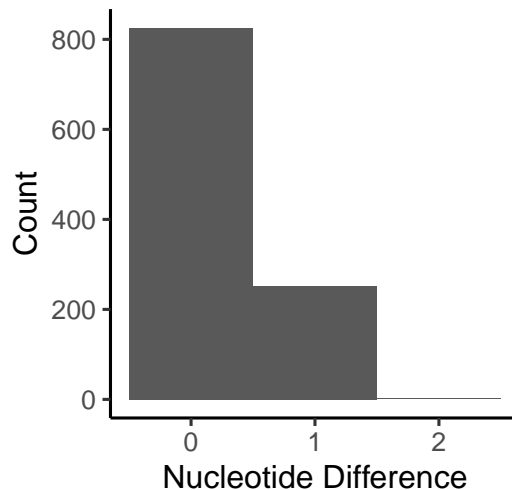
### TRBV7-7\*ap01

681 sequences assigned  
673 (98.8%) exact matches, in which:  
661 unique CDR3  
13 unique J



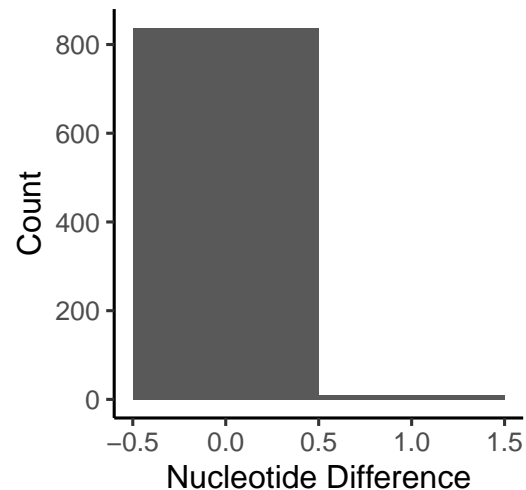
### TRBV7-8\*ap03

1080 sequences assigned  
826 (76.5%) exact matches, in which:  
806 unique CDR3  
13 unique J



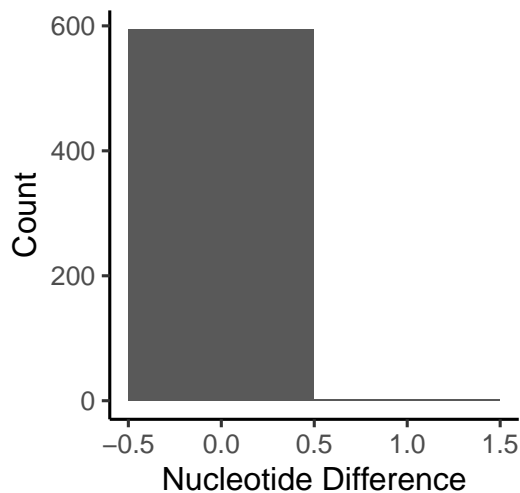
### TRBV29-1\*ap02

848 sequences assigned  
838 (98.8%) exact matches, in which:  
820 unique CDR3  
13 unique J



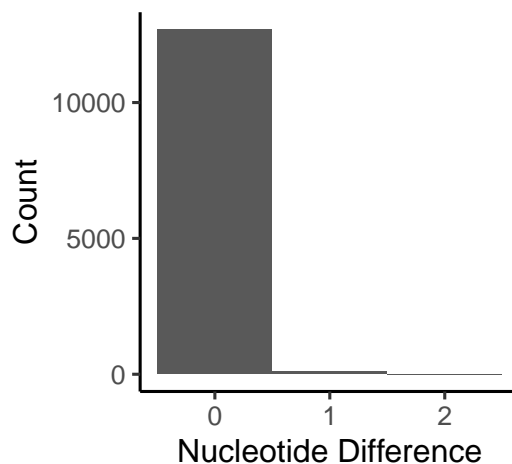
### TRBV7-7\*ap01\_C315T

598 sequences assigned  
595 (99.5%) exact matches, in which:  
586 unique CDR3  
13 unique J



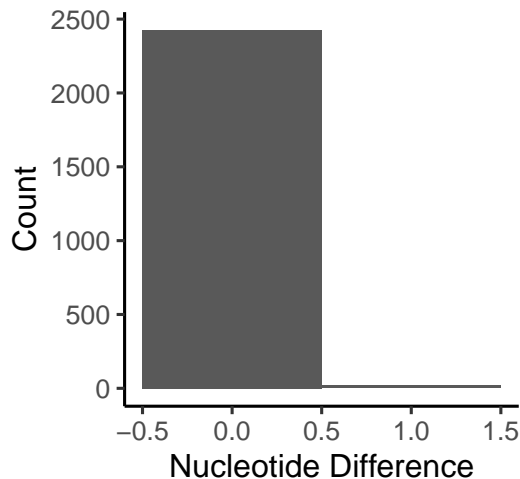
### TRBV7-9\*ap01

12797 sequences assigned  
12689 (99.2%) exact matches, in which:  
12466 unique CDR3  
13 unique J



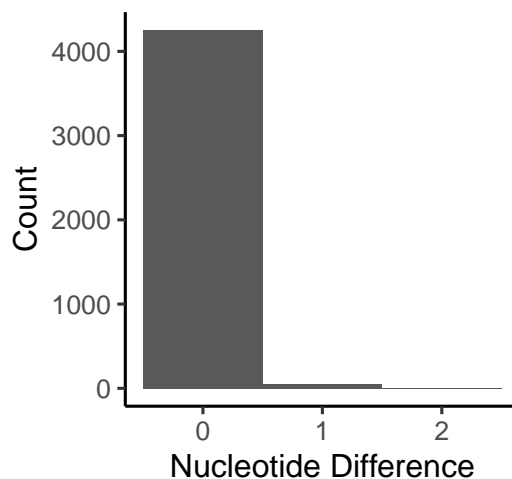
### TRBV7-8\*ap01

2446 sequences assigned  
2426 (99.2%) exact matches, in which:  
2370 unique CDR3  
13 unique J

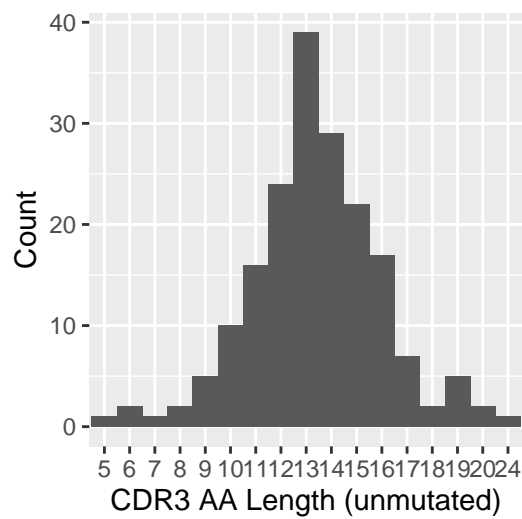


### TRBV29-1\*ap01

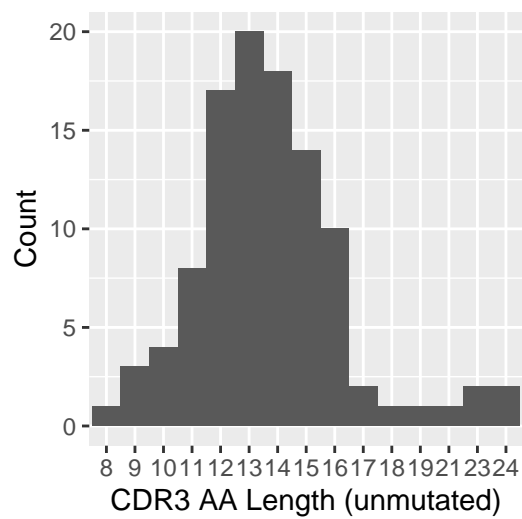
4308 sequences assigned  
4253 (98.7%) exact matches, in which:  
4138 unique CDR3  
13 unique J



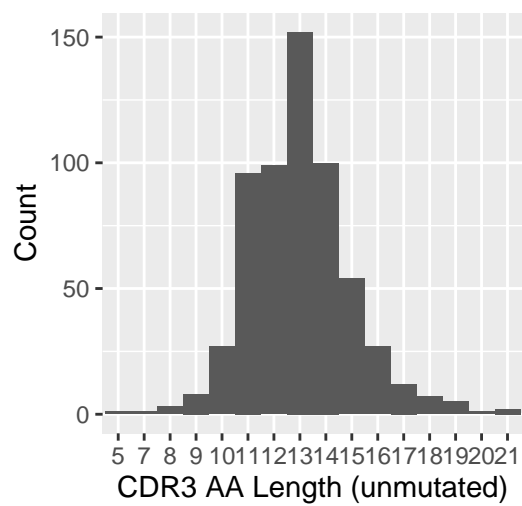
TRBV7-1\*ap01\_G291C\_T296C\_C314T

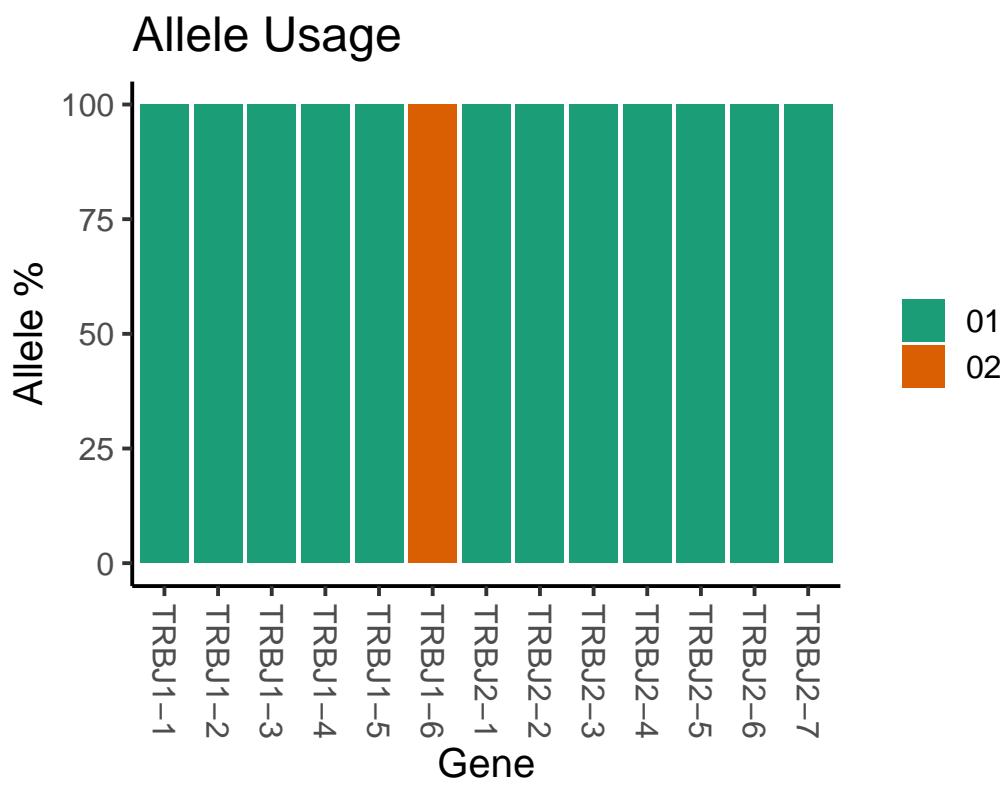


TRBV7-1\*ap01\_G291C\_T296C



TRBV7-7\*ap01\_C315T





[illegible]