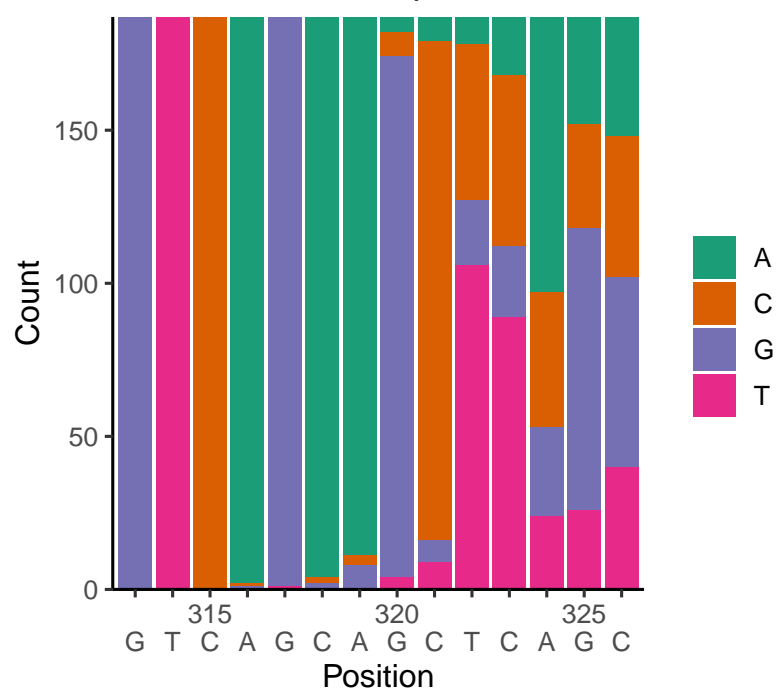
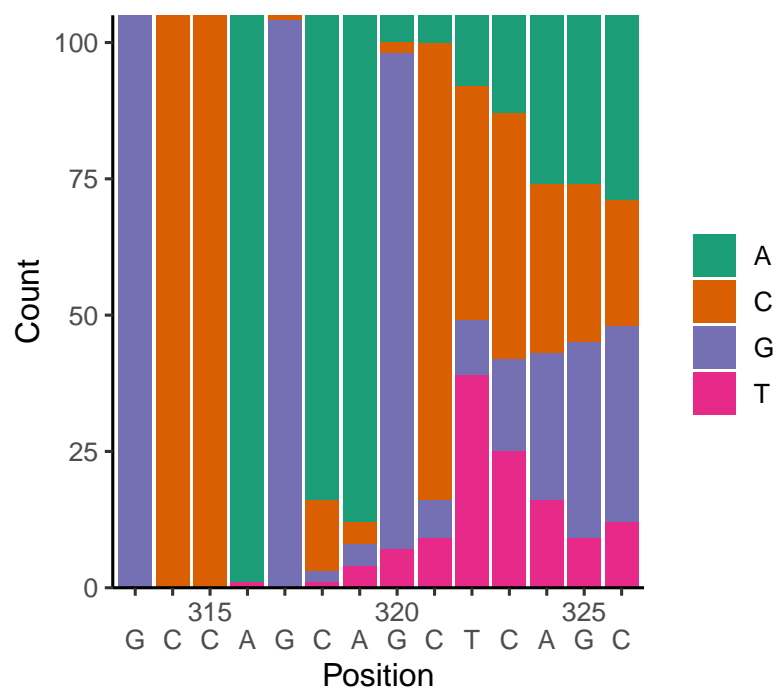


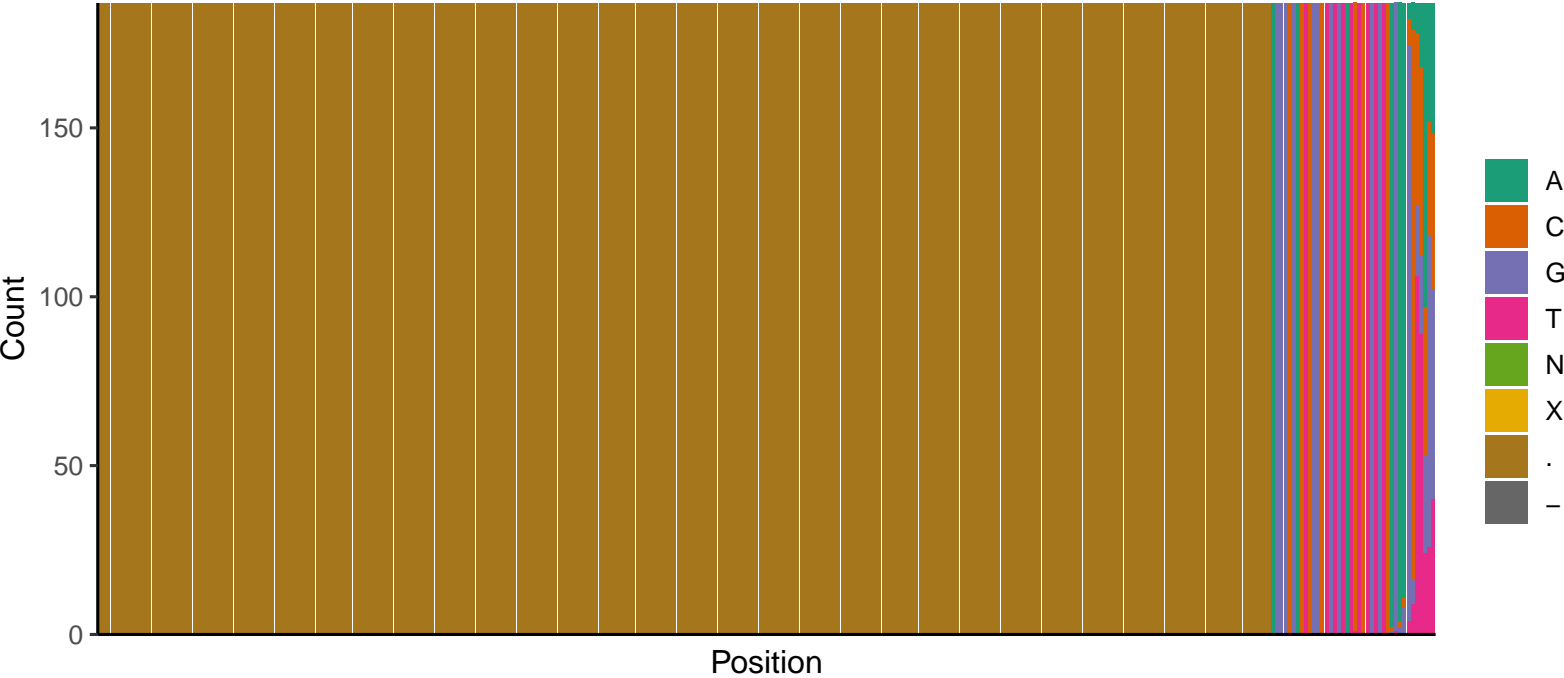
Gene TRBV7-1\*ap01\_T296C\_C314T



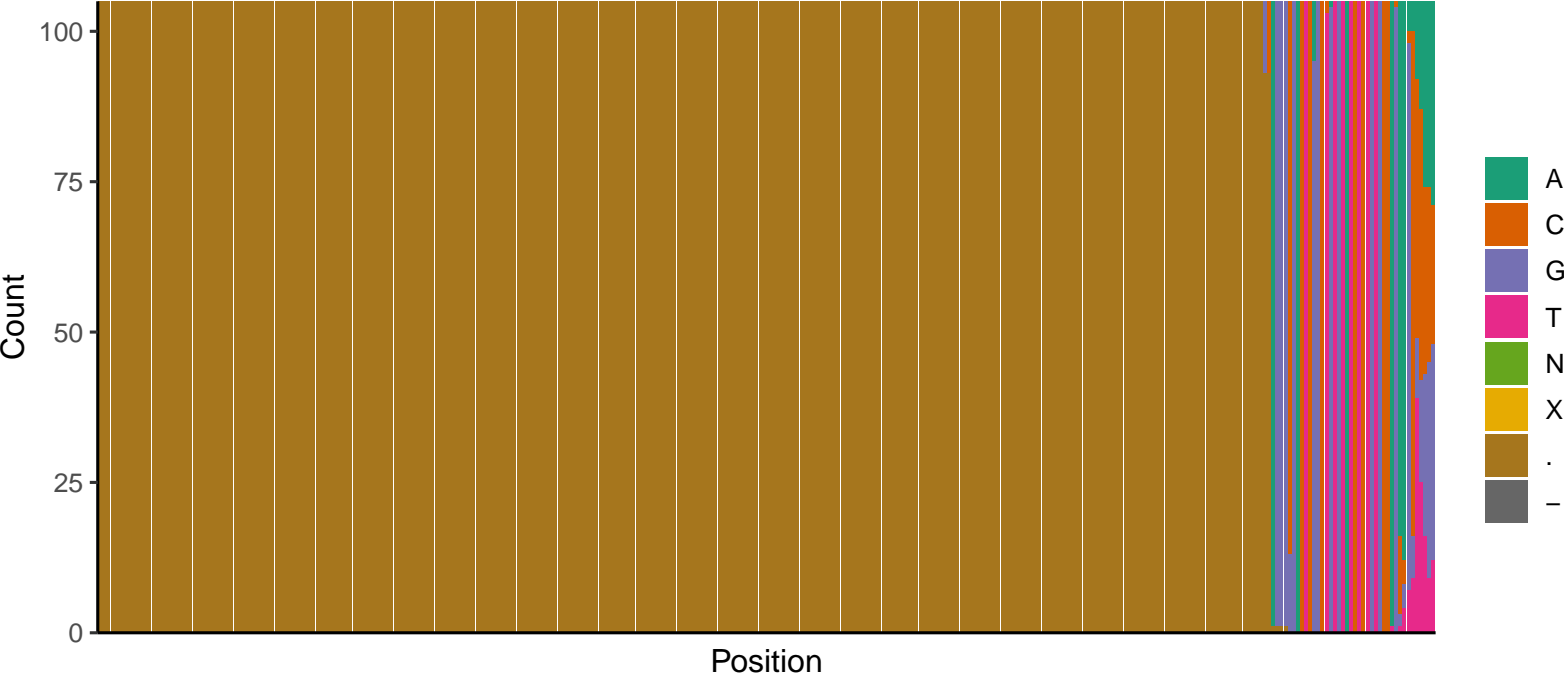
Gene TRBV7-1\*ap01\_T296C



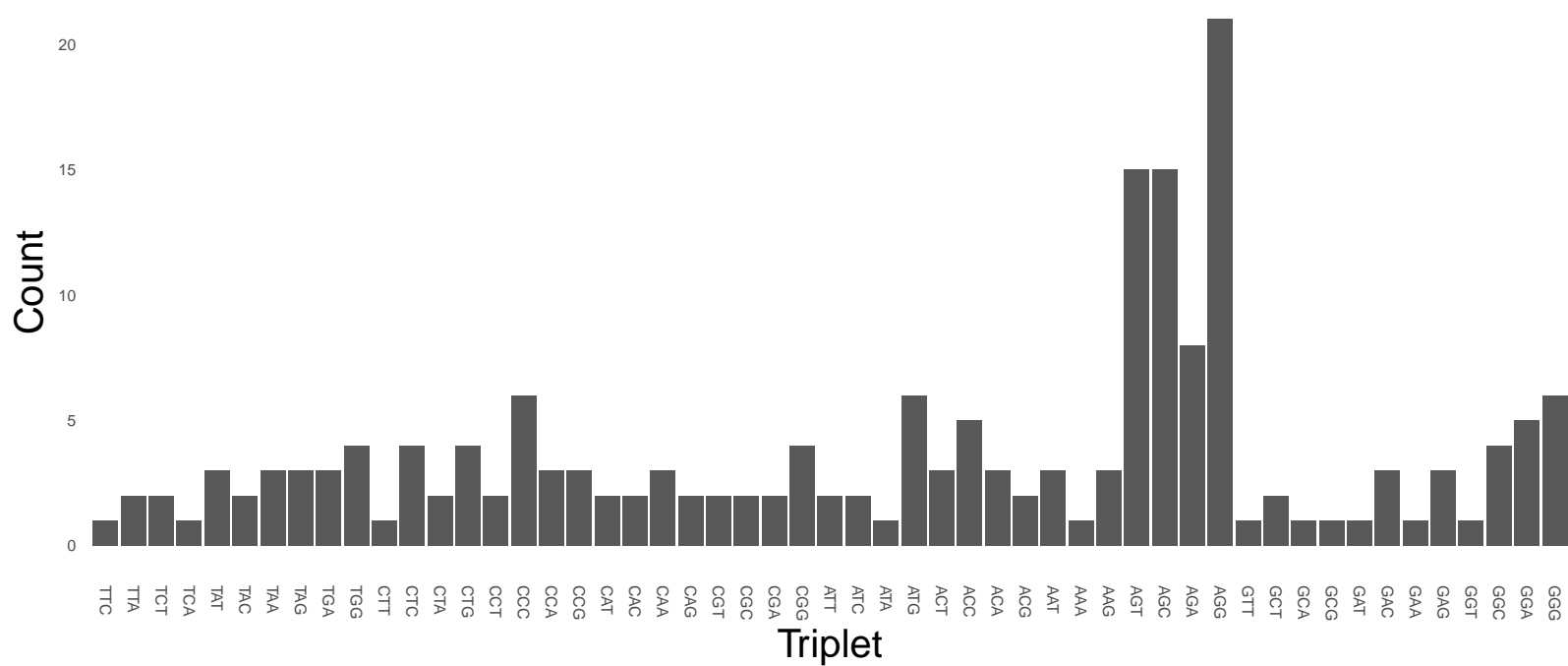
Gene TRBV7-1\*ap01\_T296C\_C314T



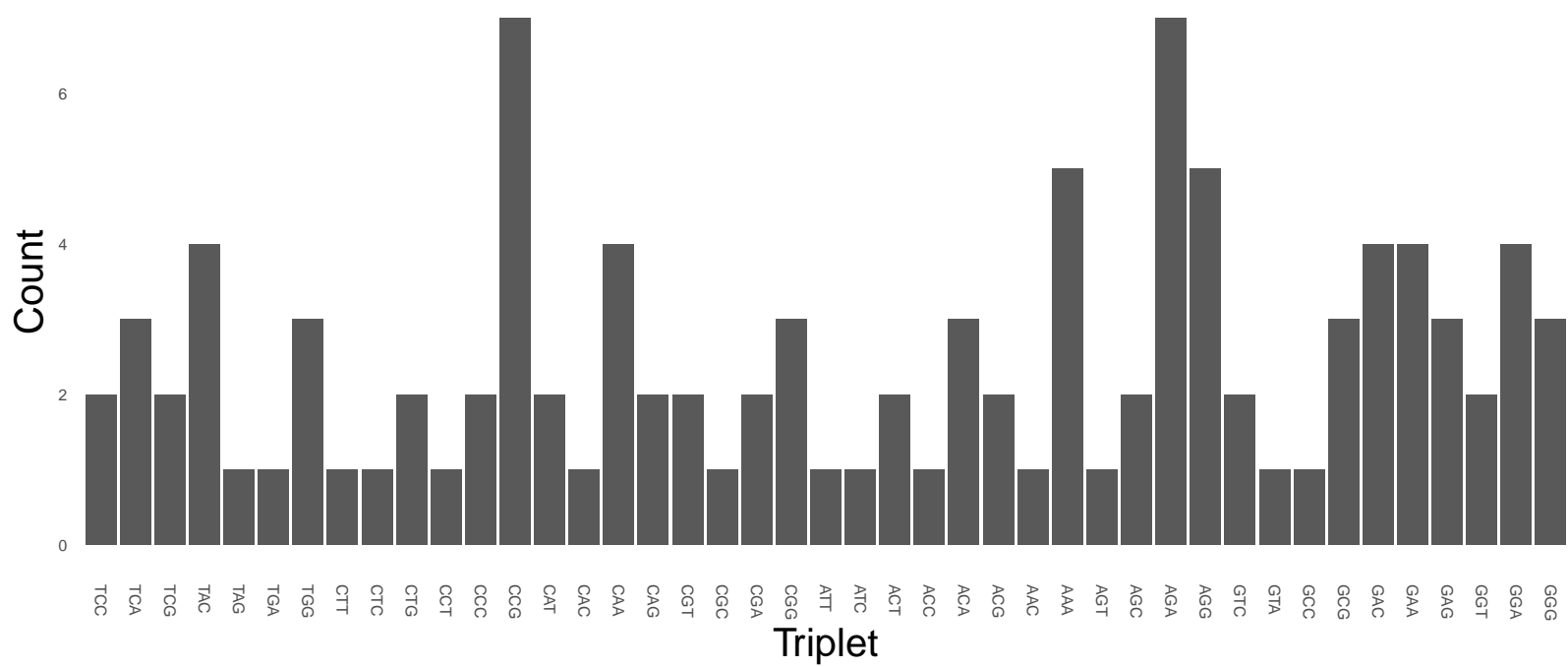
Gene TRBV7-1\*ap01\_T296C



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

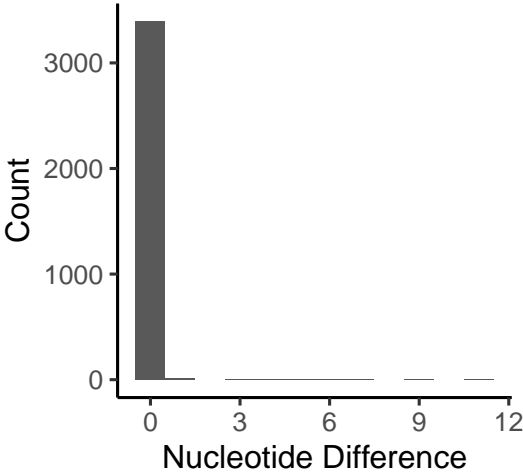


TRBV7-1\*ap01\_T296C- Final 3 nucleotides as a triplet



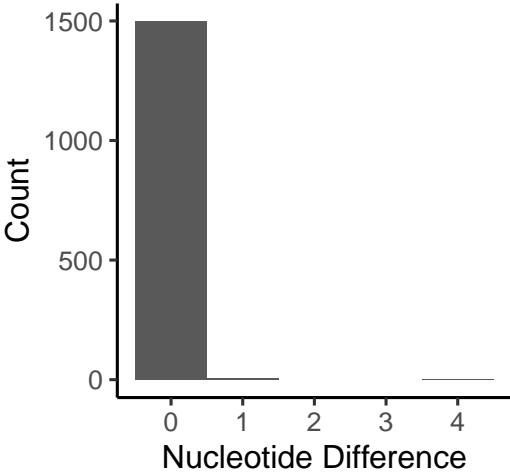
TRBV10-1\*ap01

3424 sequences assigned  
3393 (99.1%) exact matches, in which:  
3378 unique CDR3  
13 unique J



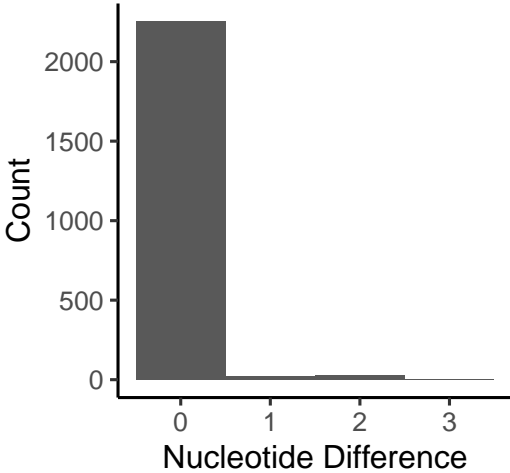
TRBV10-2\*ap01

1507 sequences assigned  
1498 (99.4%) exact matches, in which:  
1486 unique CDR3  
13 unique J



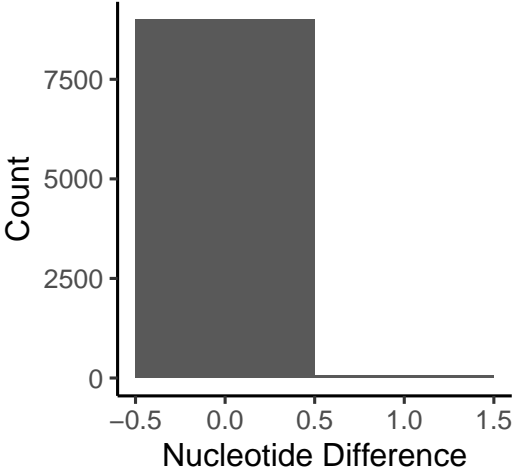
TRBV13\*ap01

2299 sequences assigned  
2253 (98%) exact matches, in which:  
2226 unique CDR3  
13 unique J



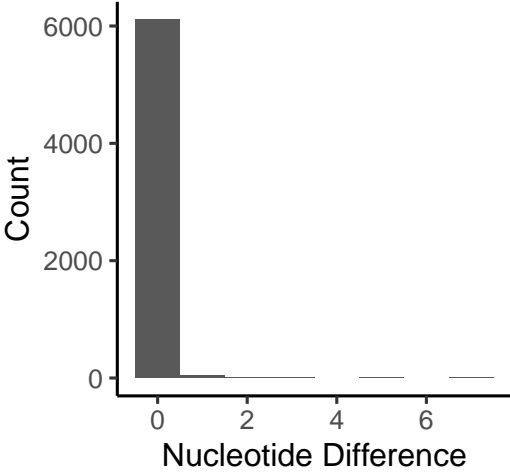
TRBV20-1\*ap01

9056 sequences assigned  
8996 (99.3%) exact matches, in which:  
8962 unique CDR3  
13 unique J



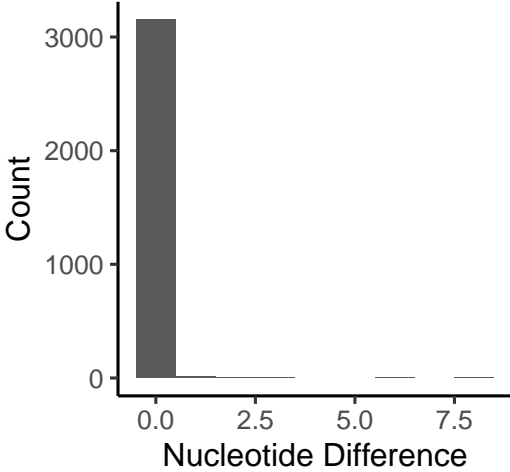
TRBV10-3\*ap01

6147 sequences assigned  
6107 (99.3%) exact matches, in which:  
6072 unique CDR3  
13 unique J



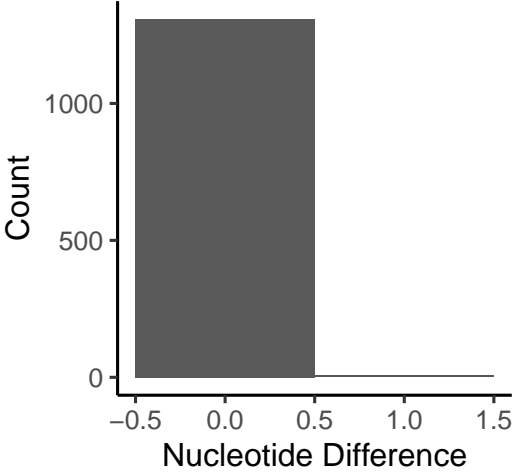
TRBV14\*ap01

3172 sequences assigned  
3152 (99.4%) exact matches, in which:  
3146 unique CDR3  
13 unique J



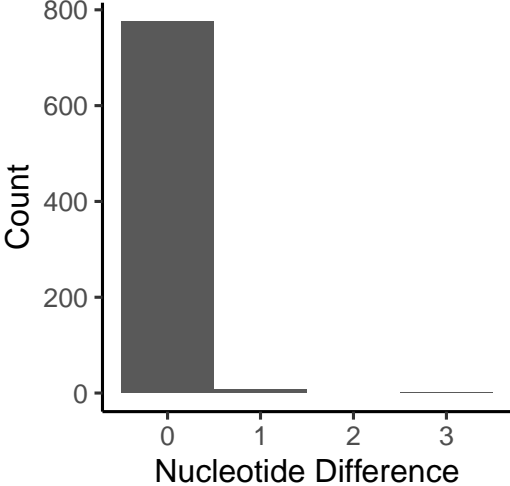
TRBV20-1\*ap02

1315 sequences assigned  
1308 (99.5%) exact matches, in which:  
1302 unique CDR3  
13 unique J



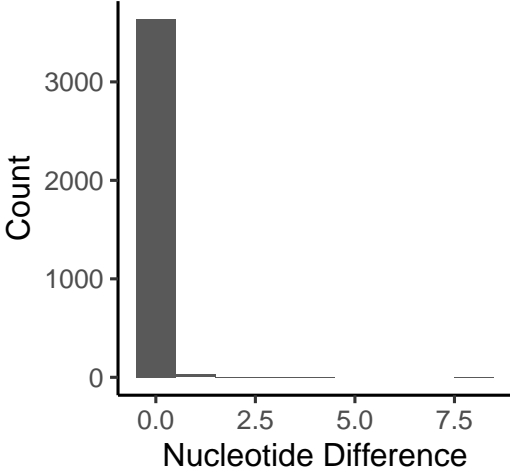
TRBV1\*ap01

785 sequences assigned  
776 (98.9%) exact matches, in which:  
767 unique CDR3  
13 unique J



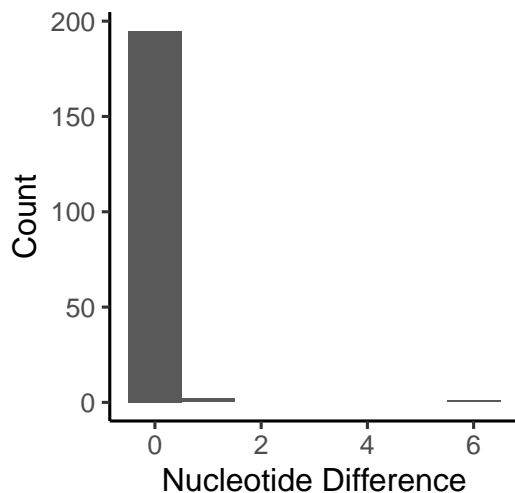
TRBV15\*ap02

3672 sequences assigned  
3638 (99.1%) exact matches, in which:  
3612 unique CDR3  
13 unique J



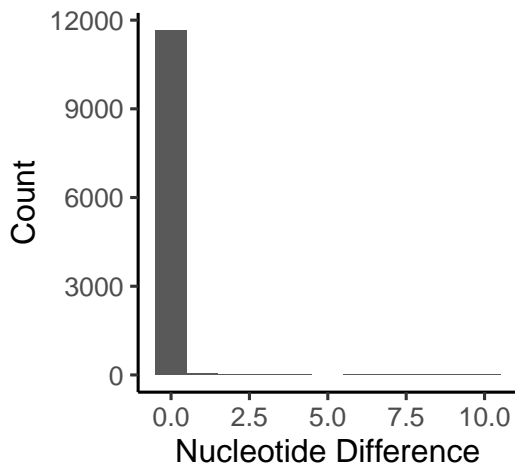
### TRBV16\*ap01

198 sequences assigned  
195 (98.5%) exact matches, in which:  
195 unique CDR3  
13 unique J



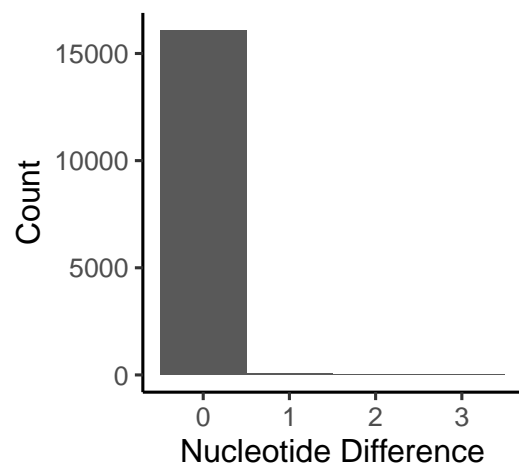
### TRBV19\*ap01

11751 sequences assigned  
11661 (99.2%) exact matches, in which:  
11630 unique CDR3  
13 unique J



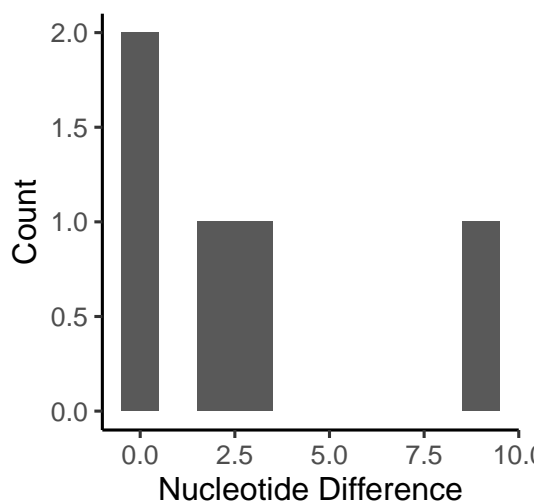
### TRBV28\*ap01

16176 sequences assigned  
16089 (99.5%) exact matches, in which:  
16030 unique CDR3  
13 unique J



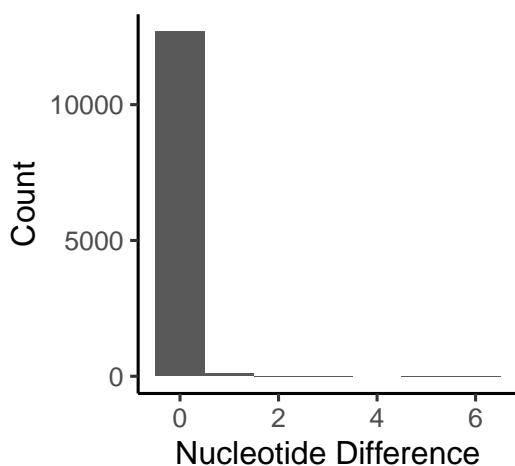
### TRBV17\*ap01

5 sequences assigned  
2 (40%) exact matches, in which:  
2 unique CDR3  
1 unique J



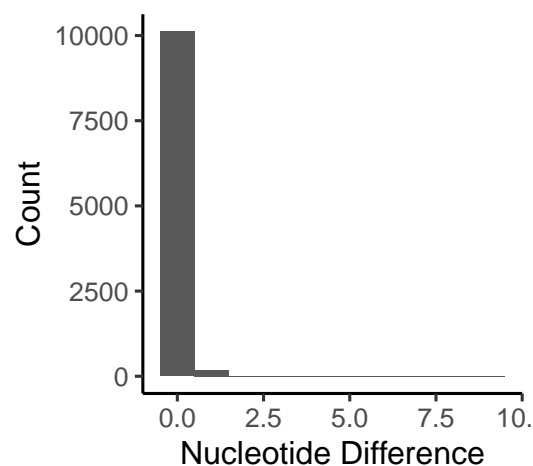
### TRBV2\*ap01

12805 sequences assigned  
12695 (99.1%) exact matches, in which:  
12597 unique CDR3  
13 unique J



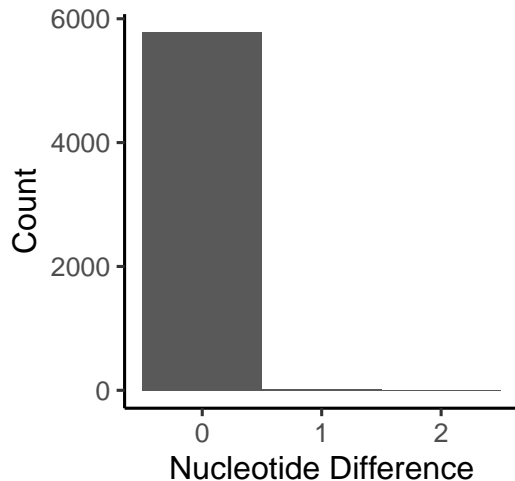
### TRBV30\*ap01

10310 sequences assigned  
10119 (98.1%) exact matches, in which:  
9952 unique CDR3  
13 unique J



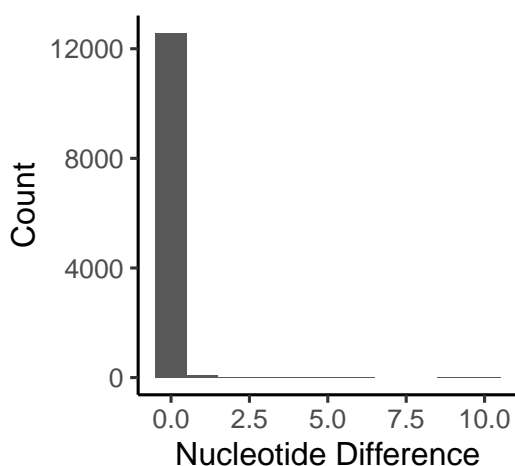
### TRBV18\*ap01

5803 sequences assigned  
5785 (99.7%) exact matches, in which:  
5768 unique CDR3  
13 unique J



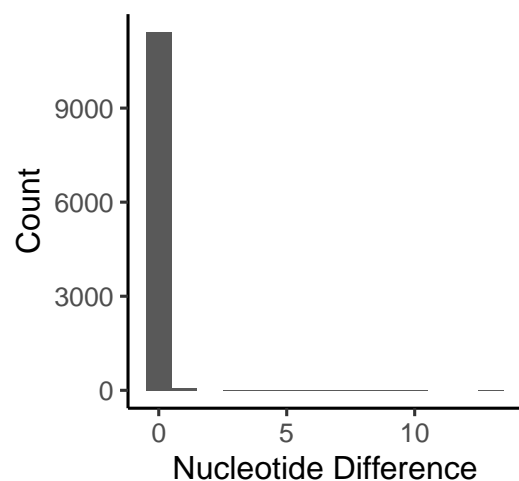
### TRBV27\*ap01

12670 sequences assigned  
12582 (99.3%) exact matches, in which:  
12522 unique CDR3  
14 unique J



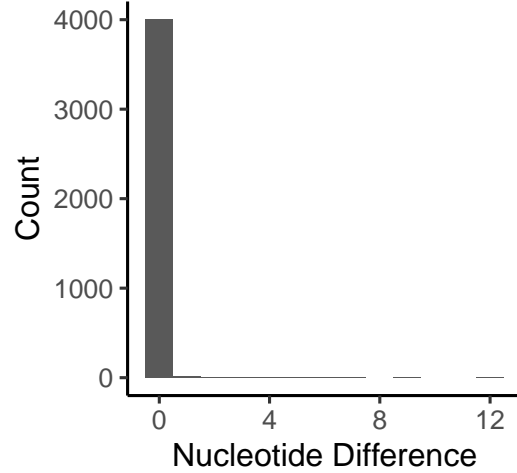
### TRBV9\*ap01

11517 sequences assigned  
11425 (99.2%) exact matches, in which:  
11383 unique CDR3  
13 unique J



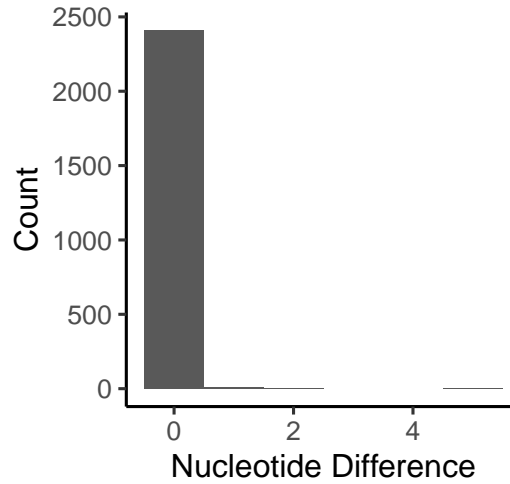
### TRBV21-1\*ap01

4047 sequences assigned  
4003 (98.9%) exact matches, in which:  
3997 unique CDR3  
13 unique J



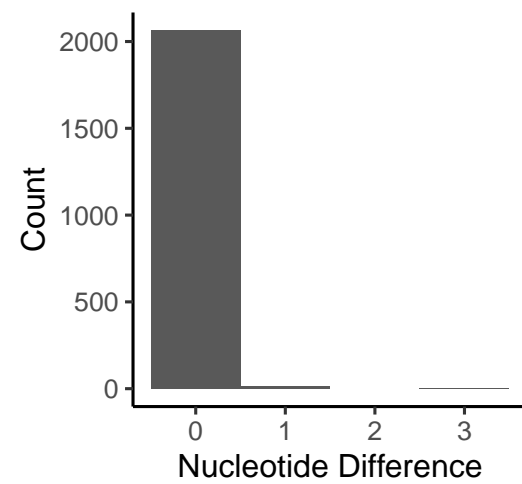
### TRBV11-3\*ap01

2424 sequences assigned  
2409 (99.4%) exact matches, in which:  
2399 unique CDR3  
13 unique J



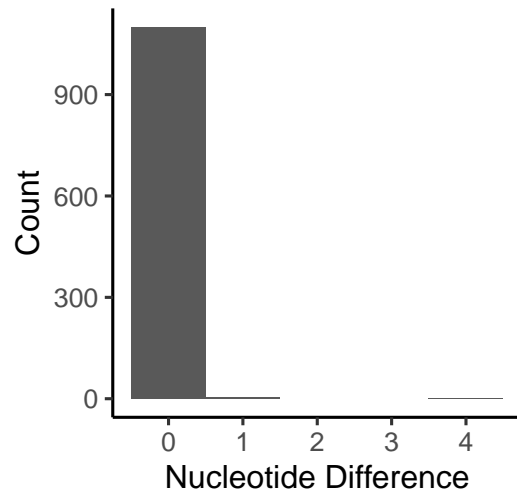
### TRBV12-5\*ap01

2078 sequences assigned  
2064 (99.3%) exact matches, in which:  
2057 unique CDR3  
13 unique J



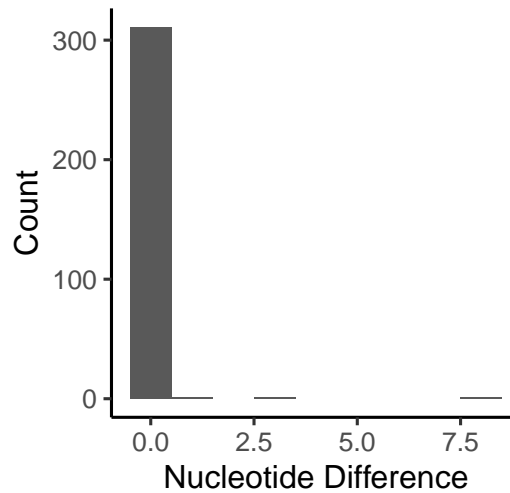
### TRBV11-1\*ap01

1106 sequences assigned  
1100 (99.5%) exact matches, in which:  
1099 unique CDR3  
13 unique J



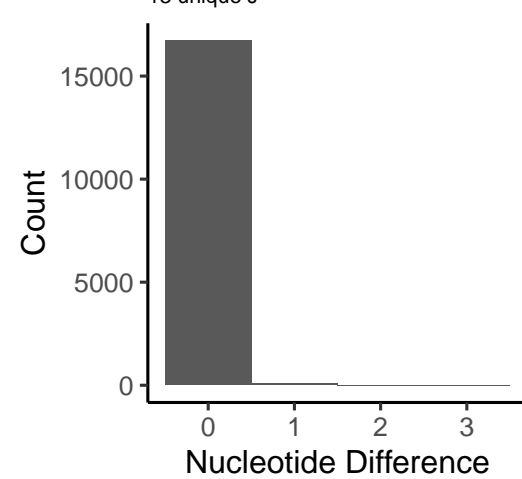
### TRBV12-1\*ap01

314 sequences assigned  
311 (99%) exact matches, in which:  
311 unique CDR3  
13 unique J



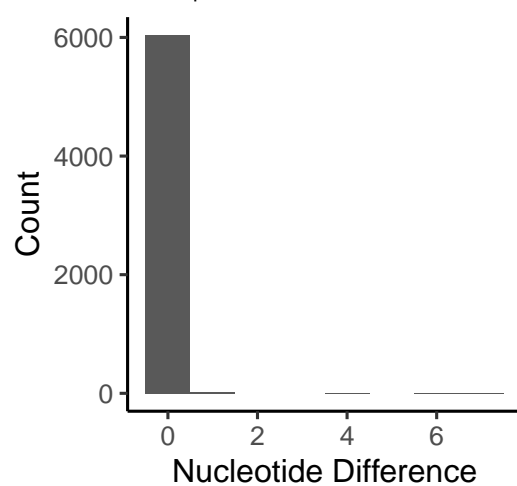
### TRBV12-34\*ap01

16830 sequences assigned  
16727 (99.4%) exact matches, in which:  
16621 unique CDR3  
13 unique J



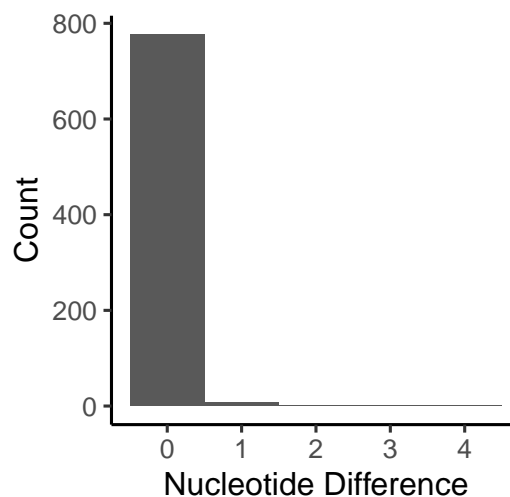
### TRBV11-2\*ap01

6063 sequences assigned  
6040 (99.6%) exact matches, in which:  
6016 unique CDR3  
13 unique J



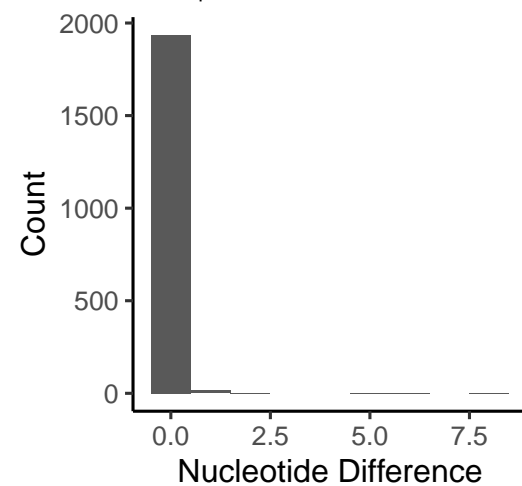
### TRBV12-2\*ap01

787 sequences assigned  
777 (98.7%) exact matches, in which:  
774 unique CDR3  
13 unique J



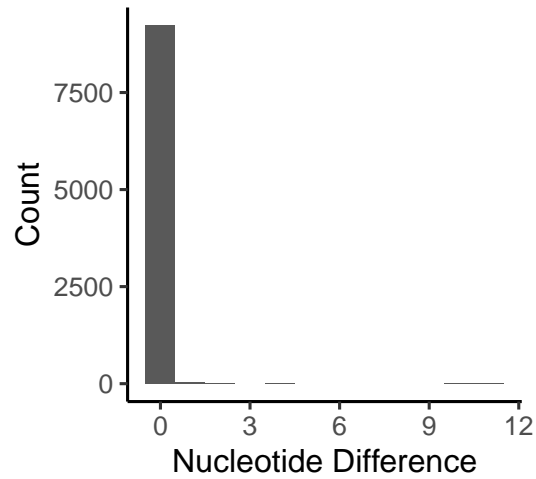
### TRBV23-1\*ap01

1956 sequences assigned  
1935 (98.9%) exact matches, in which:  
1927 unique CDR3  
13 unique J



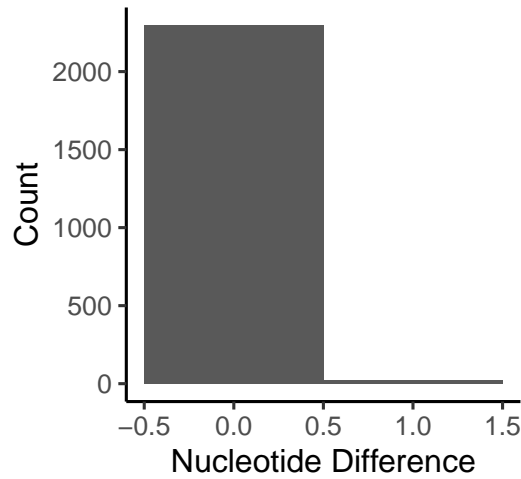
### TRBV3-12\*ap01

9274 sequences assigned  
9229 (99.5%) exact matches, in which:  
9203 unique CDR3  
13 unique J



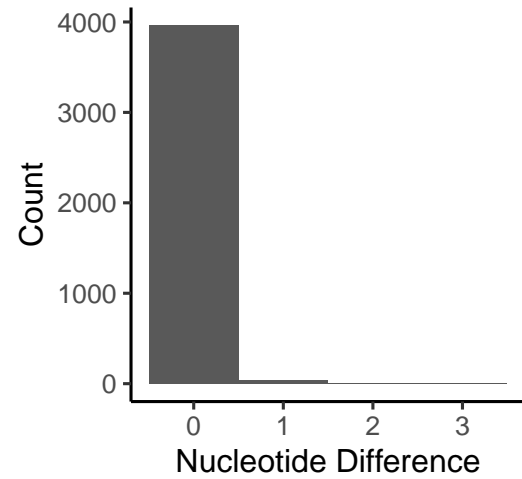
### TRBV4-2\*ap01

2316 sequences assigned  
2296 (99.1%) exact matches, in which:  
2276 unique CDR3  
13 unique J



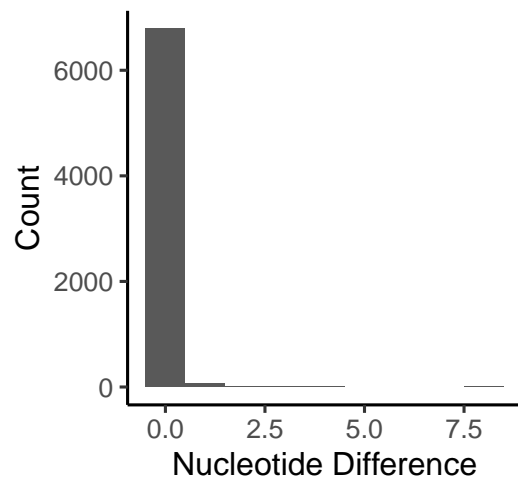
### TRBV25-1\*ap01

4006 sequences assigned  
3962 (98.9%) exact matches, in which:  
3906 unique CDR3  
13 unique J



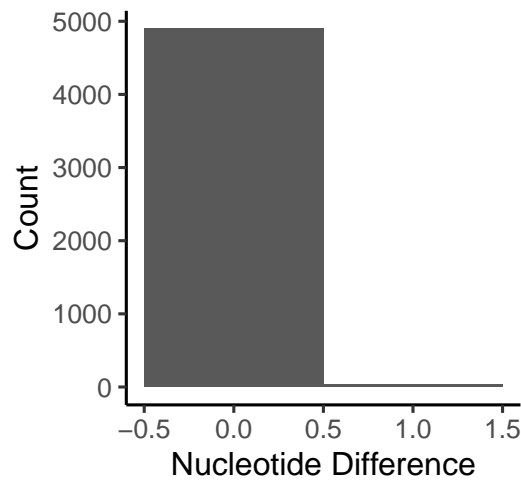
### TRBV24-1\*ap01

6850 sequences assigned  
6787 (99.1%) exact matches, in which:  
6726 unique CDR3  
13 unique J



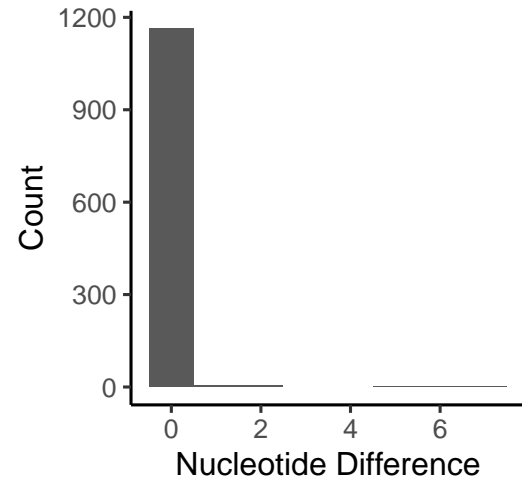
### TRBV4-3\*ap01

4930 sequences assigned  
4898 (99.4%) exact matches, in which:  
4863 unique CDR3  
13 unique J



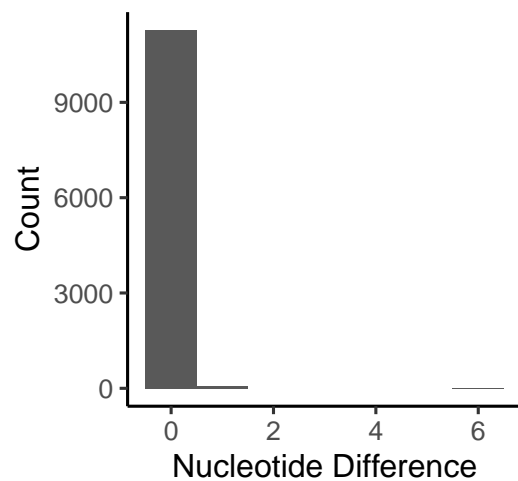
### TRBV5-3\*ap01

1176 sequences assigned  
1163 (98.9%) exact matches, in which:  
1161 unique CDR3  
13 unique J



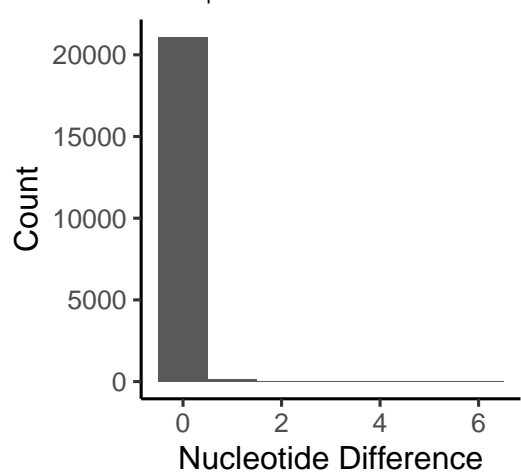
### TRBV4-1\*ap01

11343 sequences assigned  
11276 (99.4%) exact matches, in which:  
11190 unique CDR3  
13 unique J



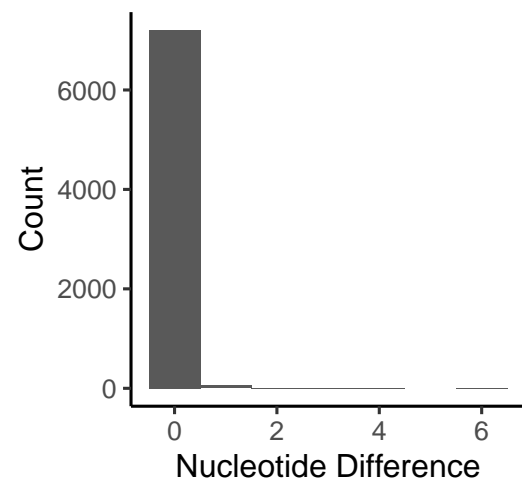
### TRBV5-1\*ap01

21269 sequences assigned  
21103 (99.2%) exact matches, in which:  
20955 unique CDR3  
13 unique J



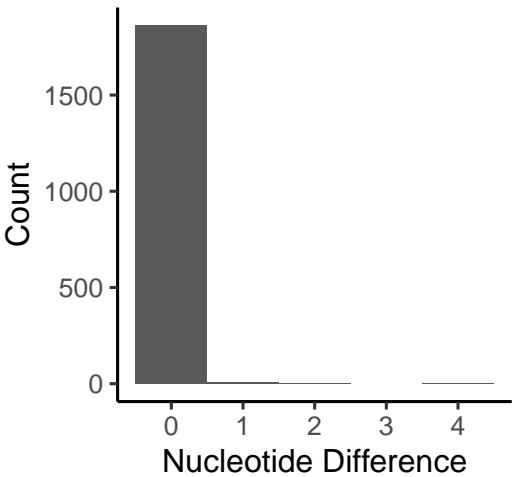
### TRBV5-4\*ap01

7264 sequences assigned  
7205 (99.2%) exact matches, in which:  
7159 unique CDR3  
13 unique J



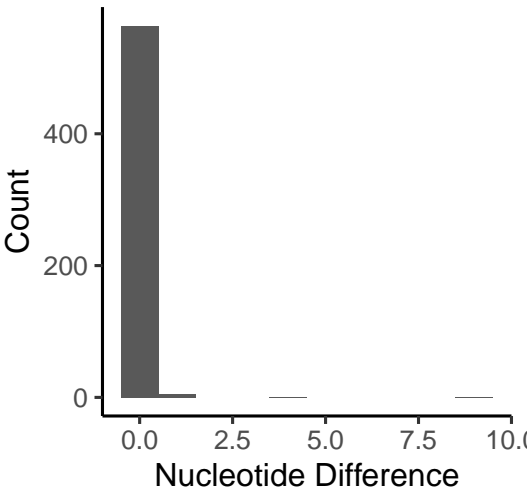
TRBV5-5\*ap01

1870 sequences assigned  
1862 (99.6%) exact matches, in which:  
1855 unique CDR3  
13 unique J



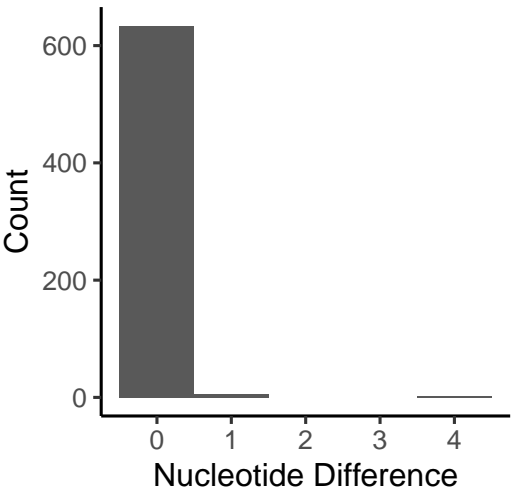
TRBV5-8\*ap01

571 sequences assigned  
564 (98.8%) exact matches, in which:  
564 unique CDR3  
13 unique J



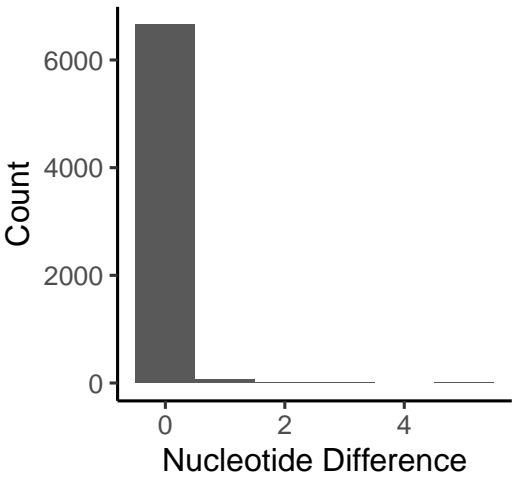
TRBV6-7\*ap01

642 sequences assigned  
634 (98.8%) exact matches, in which:  
629 unique CDR3  
13 unique J



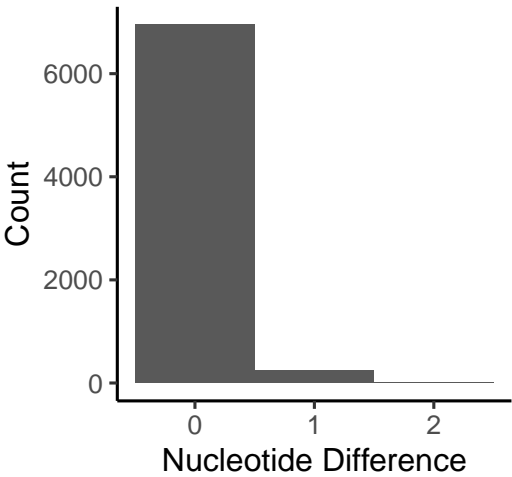
TRBV5-6\*ap01

6723 sequences assigned  
6655 (99%) exact matches, in which:  
6575 unique CDR3  
14 unique J



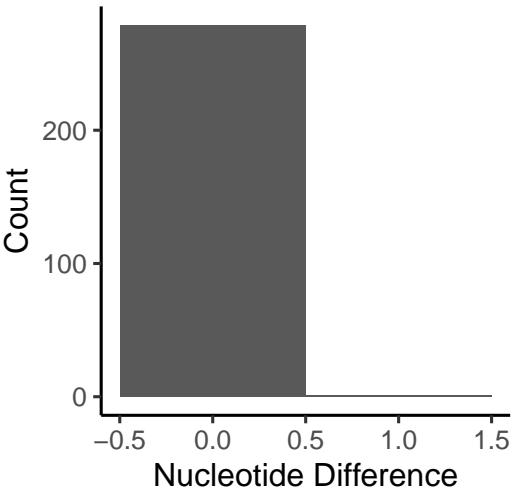
TRBV6-1\*ap01

7200 sequences assigned  
6949 (96.5%) exact matches, in which:  
6892 unique CDR3  
13 unique J



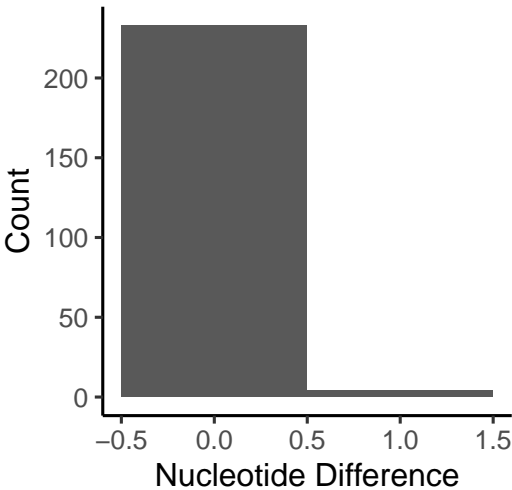
TRBV6-8\*ap01

280 sequences assigned  
279 (99.6%) exact matches, in which:  
275 unique CDR3  
13 unique J



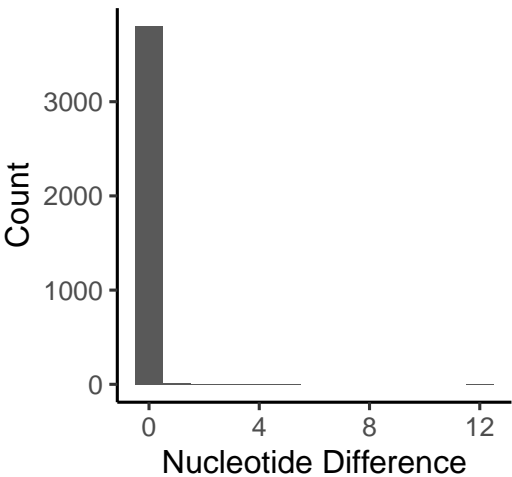
TRBV5-7\*ap01

237 sequences assigned  
233 (98.3%) exact matches, in which:  
230 unique CDR3  
13 unique J



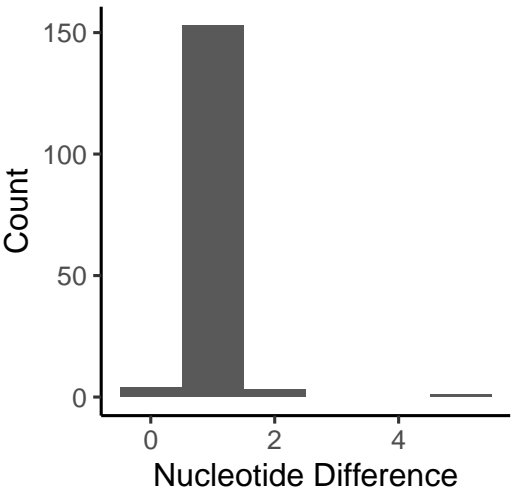
TRBV6-4\*ap01

3825 sequences assigned  
3803 (99.4%) exact matches, in which:  
3784 unique CDR3  
13 unique J



TRBV6-9\*ap01

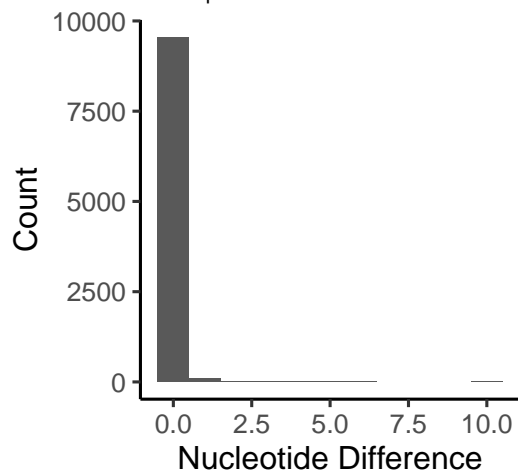
161 sequences assigned  
4 (2.5%) exact matches, in which:  
4 unique CDR3  
3 unique J





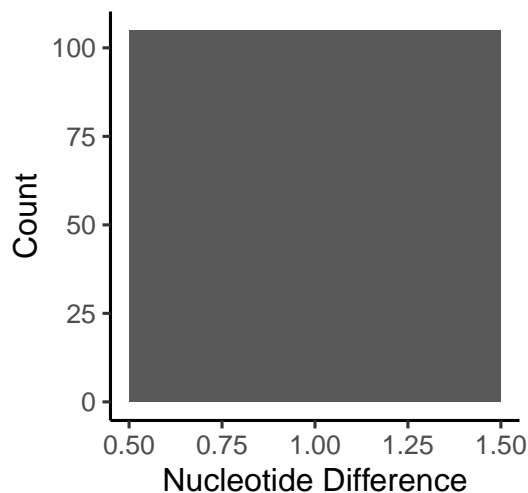
### TRBV6–23\*ap01

9658 sequences assigned  
9551 (98.9%) exact matches, in which:  
9416 unique CDR3  
13 unique J



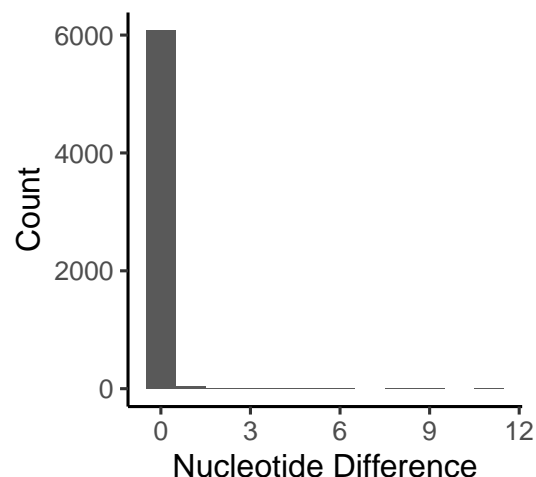
### TRBV7–1\*ap01\_T296C

105 sequences assigned  
No exact matches.



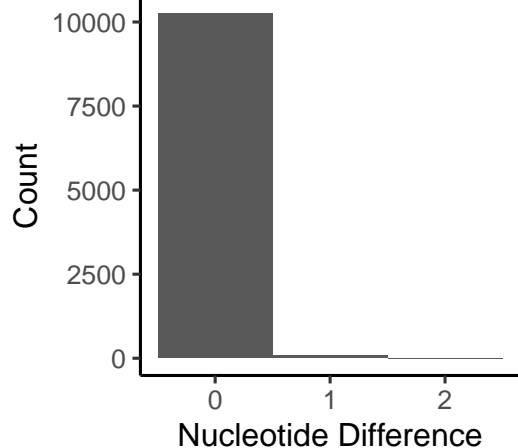
### TRBV7–3\*ap01

6142 sequences assigned  
6079 (99%) exact matches, in which:  
6055 unique CDR3  
13 unique J



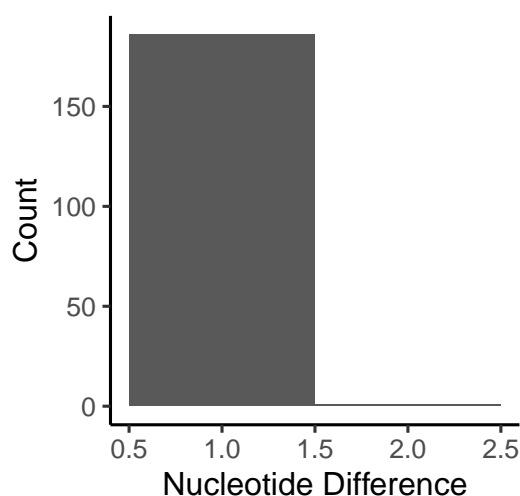
### TRBV6–56\*ap01

10340 sequences assigned  
10254 (99.2%) exact matches, in which:  
10130 unique CDR3  
13 unique J



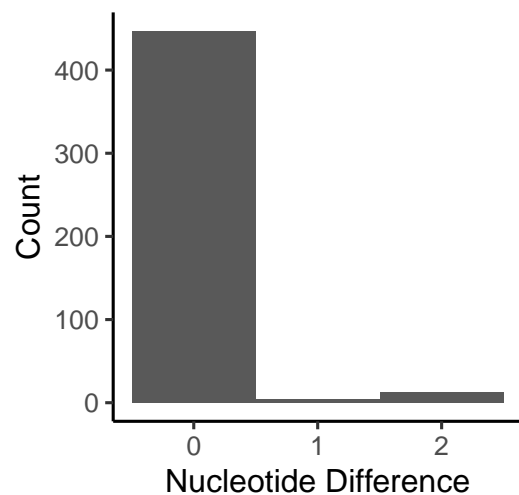
### TRBV7–1\*ap01\_T296C\_(

187 sequences assigned  
No exact matches.



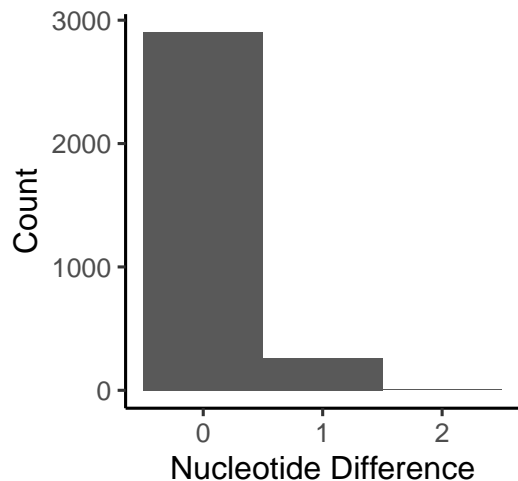
### TRBV7–4\*ap01

464 sequences assigned  
447 (96.3%) exact matches, in which:  
445 unique CDR3  
13 unique J



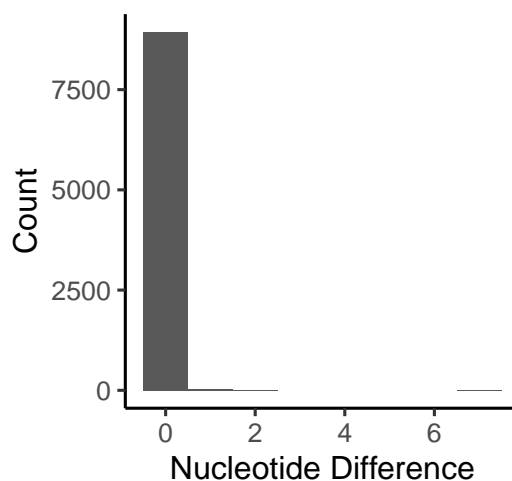
### TRBV6–56\*ap02

3170 sequences assigned  
2904 (91.6%) exact matches, in which:  
2869 unique CDR3  
13 unique J



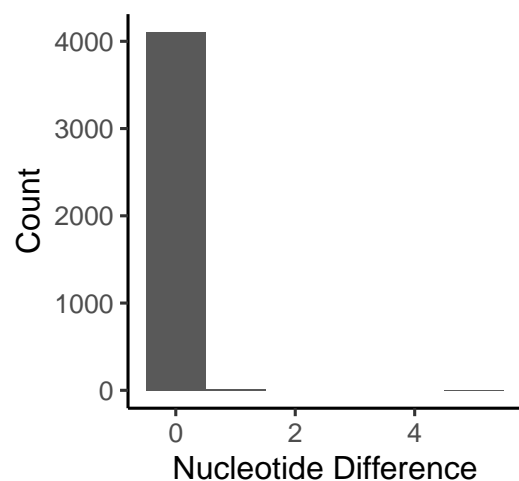
### TRBV7–2\*ap01

8976 sequences assigned  
8937 (99.6%) exact matches, in which:  
8890 unique CDR3  
13 unique J



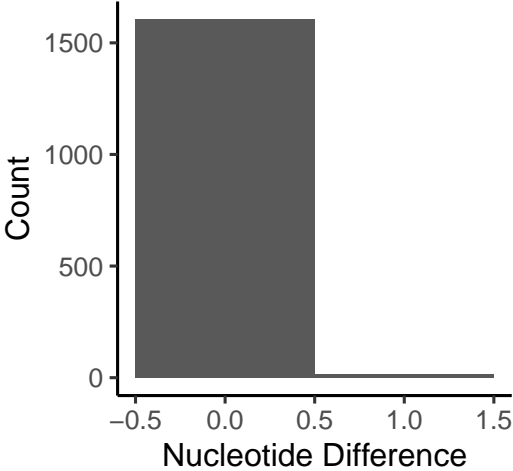
### TRBV7–6\*ap01

4124 sequences assigned  
4106 (99.6%) exact matches, in which:  
4090 unique CDR3  
13 unique J



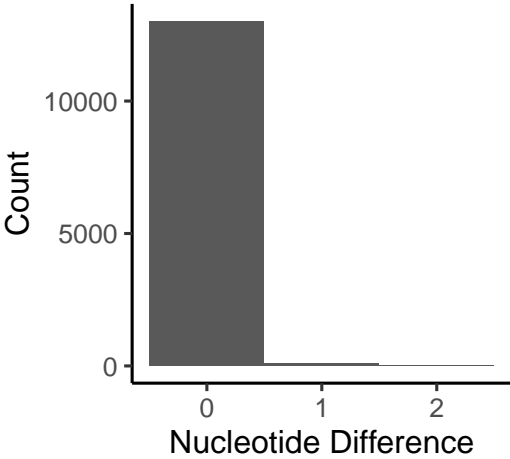
TRBV7-7\*ap01

1619 sequences assigned  
1605 (99.1%) exact matches, in which:  
1593 unique CDR3  
14 unique J



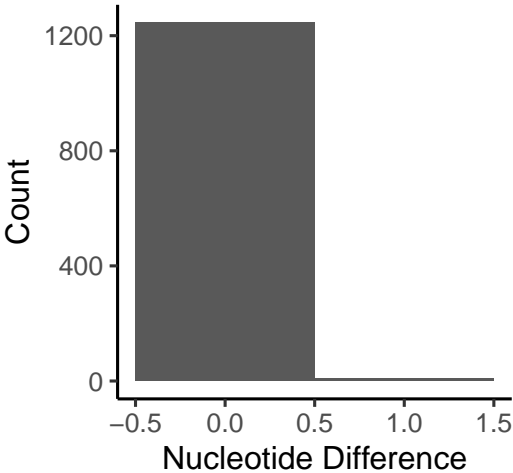
TRBV7-9\*ap01

13100 sequences assigned  
13017 (99.4%) exact matches, in which:  
12970 unique CDR3  
13 unique J



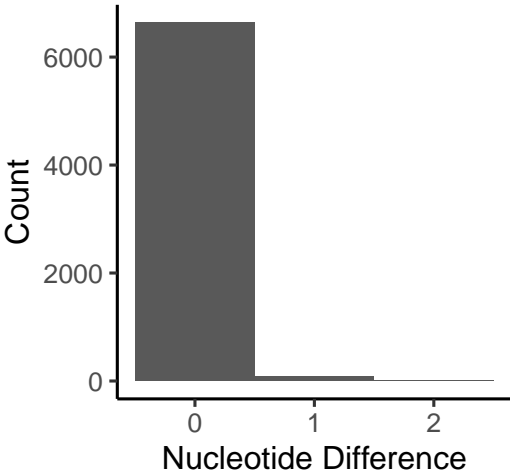
TRBV7-8\*ap01

1253 sequences assigned  
1245 (99.4%) exact matches, in which:  
1238 unique CDR3  
13 unique J



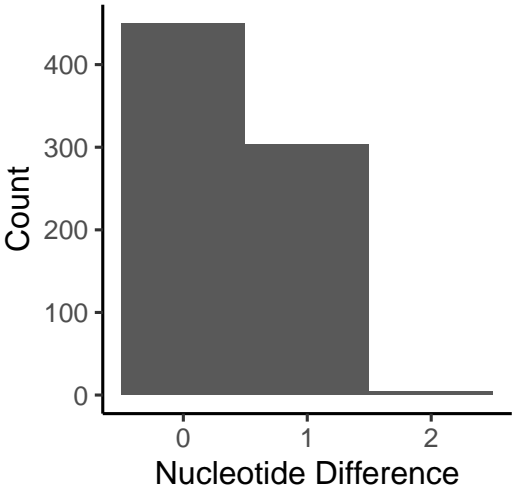
TRBV29-1\*ap01

6713 sequences assigned  
6636 (98.9%) exact matches, in which:  
6517 unique CDR3  
13 unique J



TRBV7-8\*ap03

757 sequences assigned  
450 (59.4%) exact matches, in which:  
446 unique CDR3  
13 unique J



TRBV29-1\*ap02

1187 sequences assigned  
1173 (98.8%) exact matches, in which:  
1150 unique CDR3  
13 unique J

