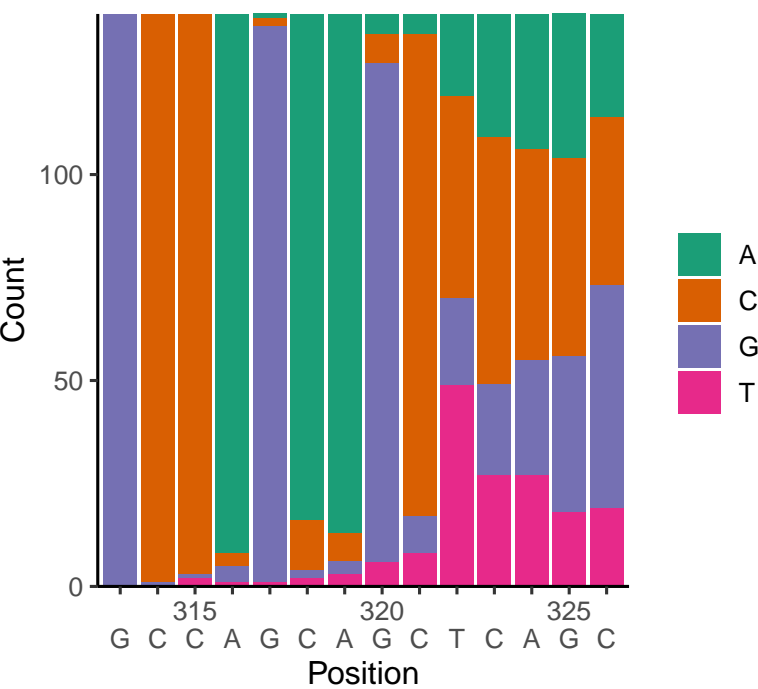
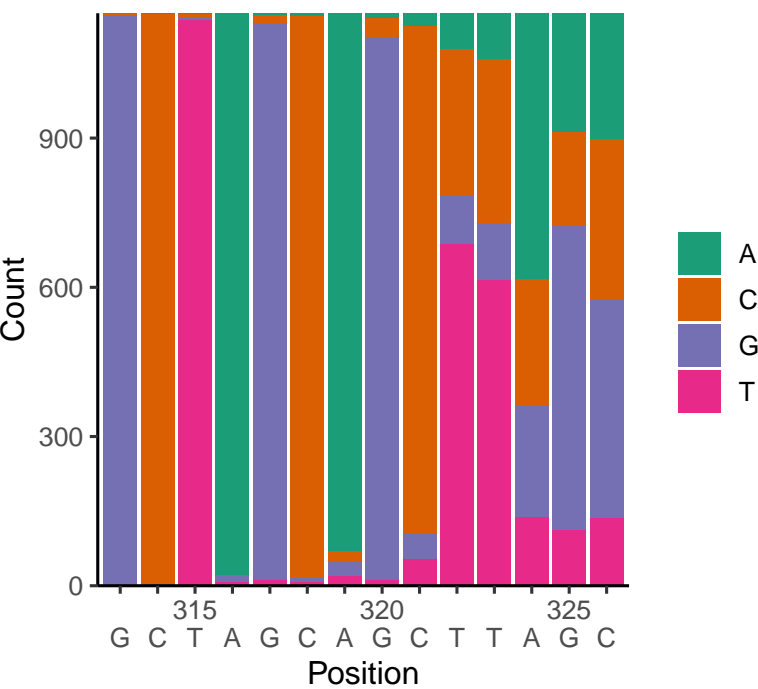


Gene TRBV7-1\*ap01\_T296C



Gene TRBV7-7\*ap01\_C315T



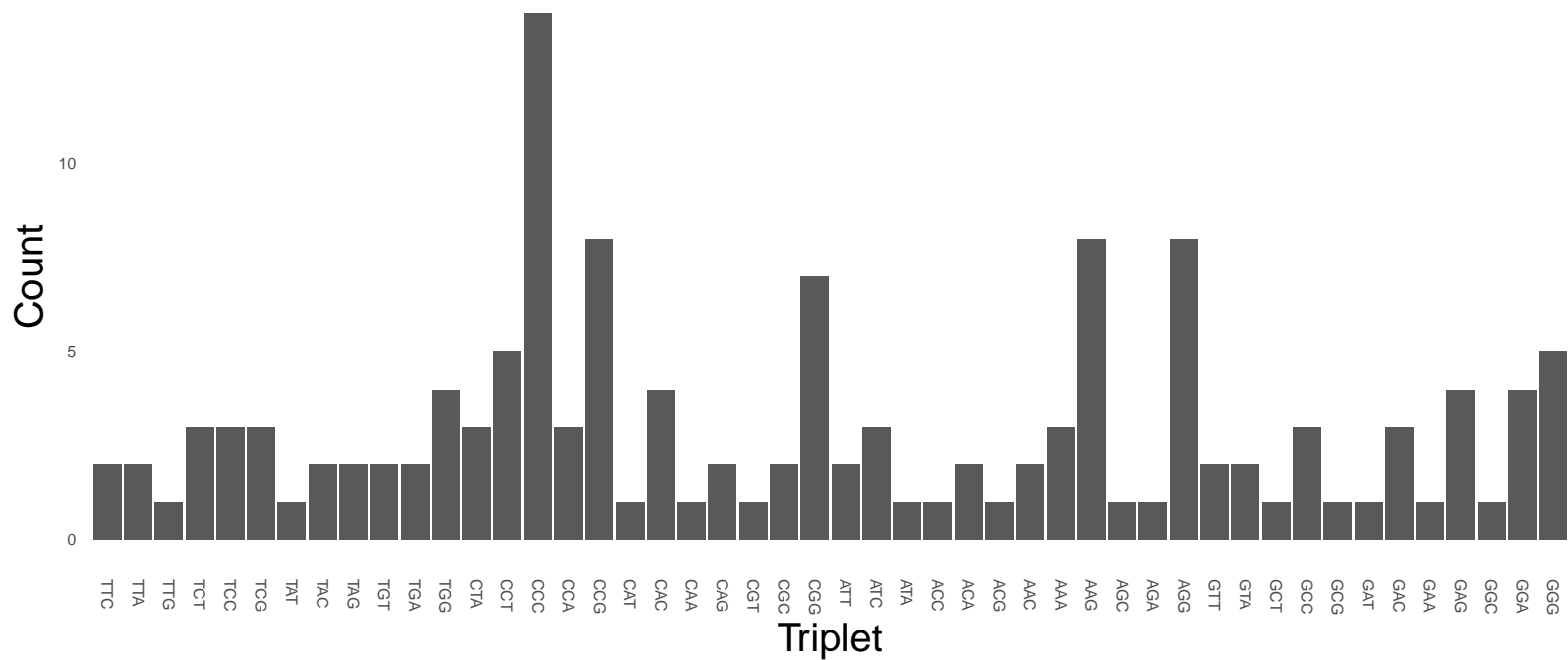
Gene TRBV7-1\*ap01\_T296C



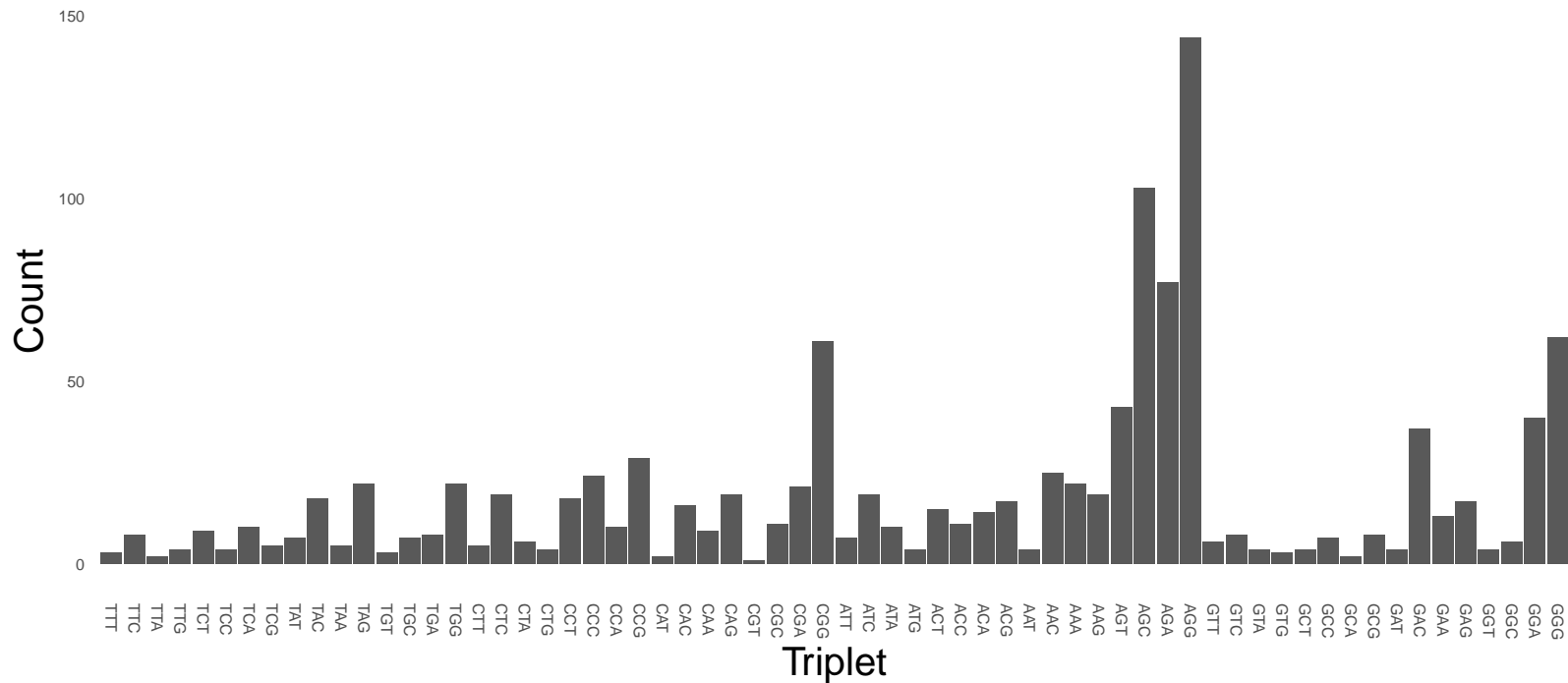
Gene TRBV7-7\*ap01\_C315T



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

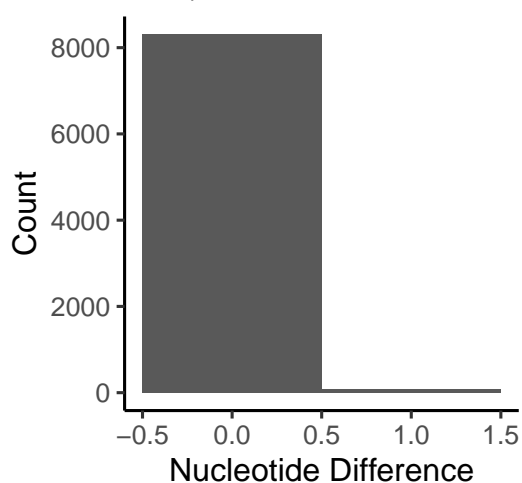


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



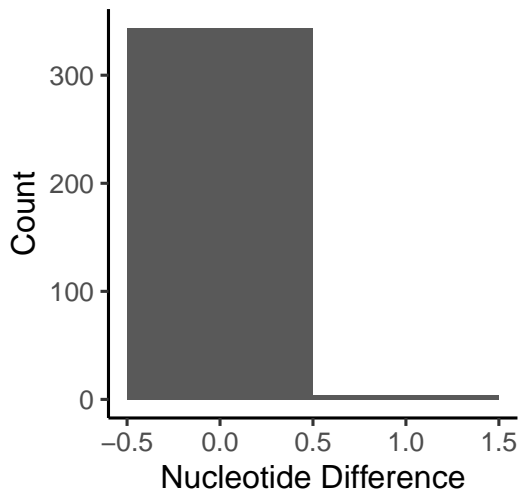
### TRBV20-1\*ap01

8395 sequences assigned  
8307 (99%) exact matches, in which:  
8180 unique CDR3  
13 unique J



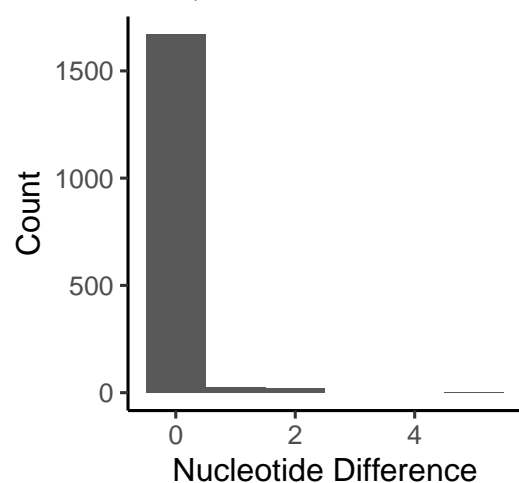
### TRBV10-2\*ap01

348 sequences assigned  
344 (98.9%) exact matches, in which:  
339 unique CDR3  
13 unique J



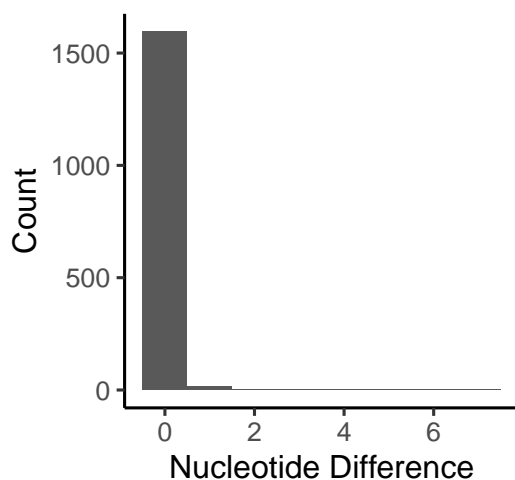
### TRBV13\*ap01

1718 sequences assigned  
1670 (97.2%) exact matches, in which:  
1637 unique CDR3  
13 unique J



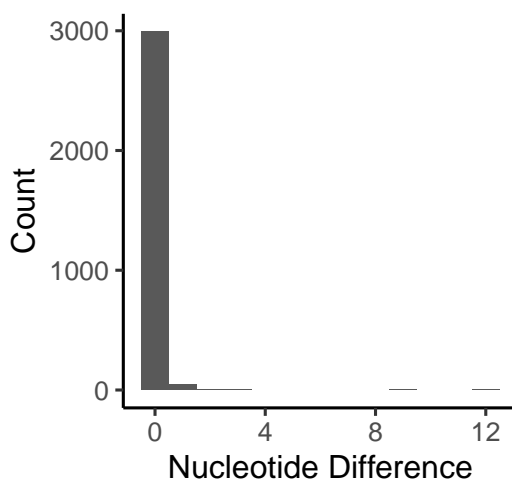
### TRBV10-1\*ap01

1617 sequences assigned  
1595 (98.6%) exact matches, in which:  
1567 unique CDR3  
13 unique J



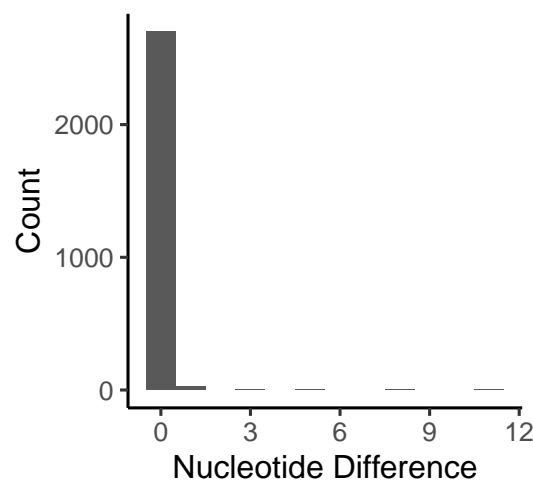
### TRBV10-3\*ap01

3046 sequences assigned  
2992 (98.2%) exact matches, in which:  
2940 unique CDR3  
13 unique J



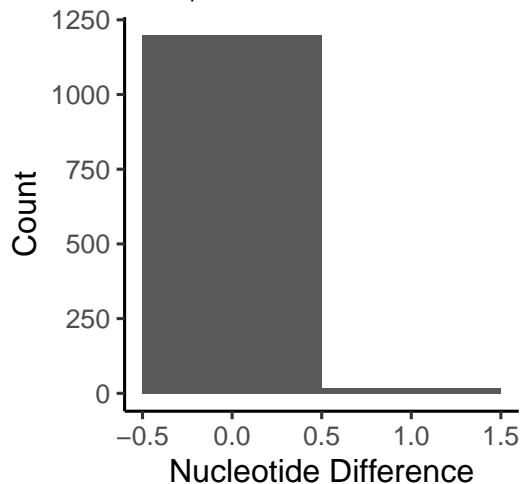
### TRBV14\*ap01

2728 sequences assigned  
2700 (99%) exact matches, in which:  
2644 unique CDR3  
13 unique J



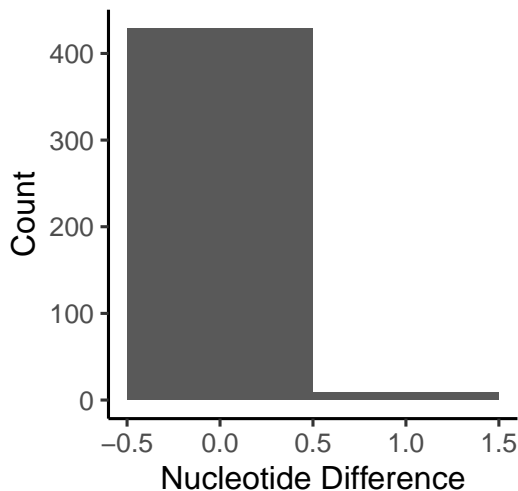
### TRBV20-1\*ap02

1217 sequences assigned  
1199 (98.5%) exact matches, in which:  
1184 unique CDR3  
13 unique J



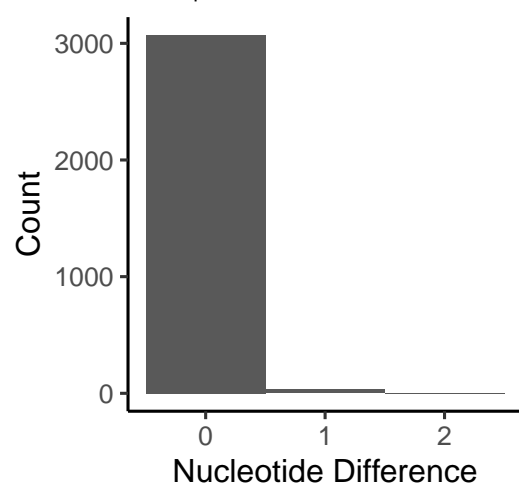
### TRBV1\*ap01

438 sequences assigned  
429 (97.9%) exact matches, in which:  
422 unique CDR3  
13 unique J



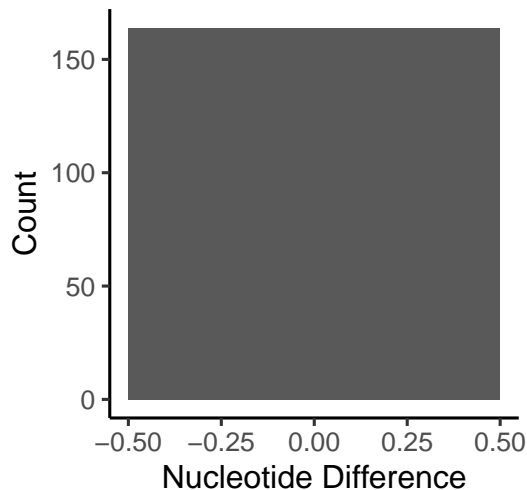
### TRBV15\*ap02

3105 sequences assigned  
3071 (98.9%) exact matches, in which:  
3009 unique CDR3  
13 unique J



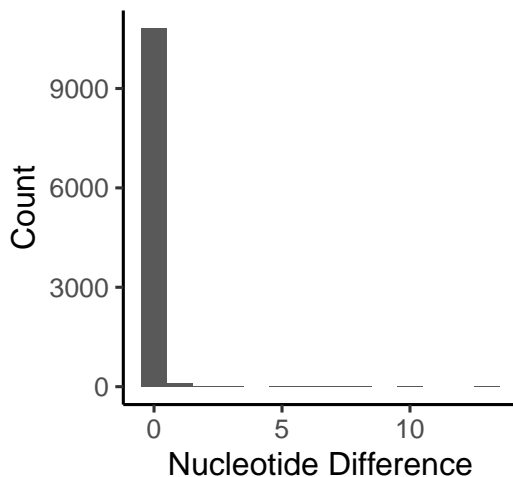
### TRBV16\*ap01

164 sequences assigned  
164 (100%) exact matches, in which:  
164 unique CDR3  
13 unique J



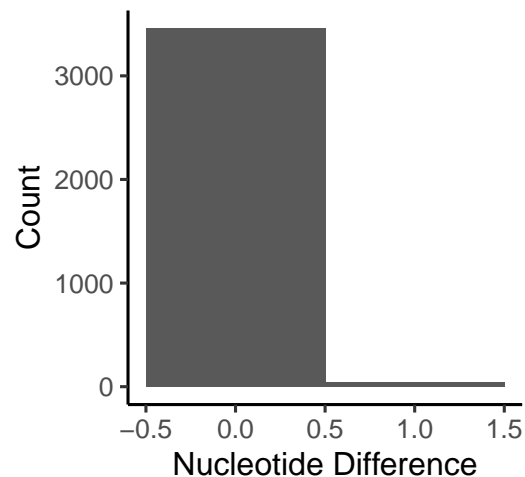
### TRBV19\*ap01

10944 sequences assigned  
10813 (98.8%) exact matches, in which:  
10681 unique CDR3  
13 unique J



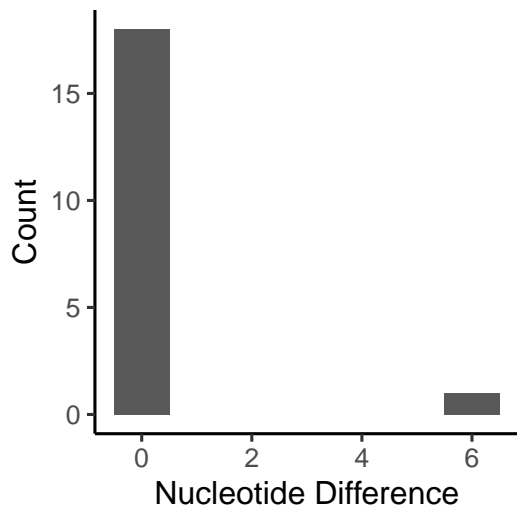
### TRBV28\*ap01

3497 sequences assigned  
3458 (98.9%) exact matches, in which:  
3387 unique CDR3  
13 unique J



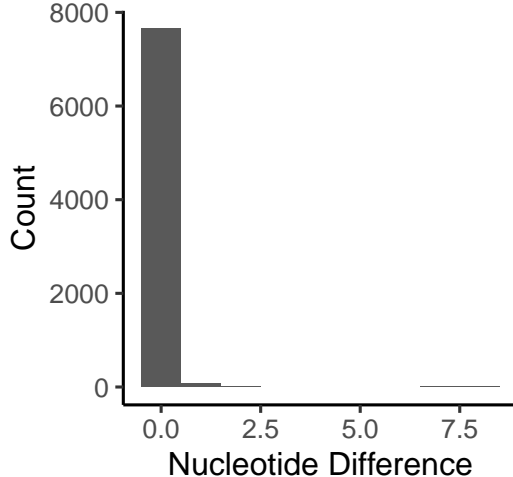
### TRBV17\*ap01

19 sequences assigned  
18 (94.7%) exact matches, in which:  
18 unique CDR3  
8 unique J



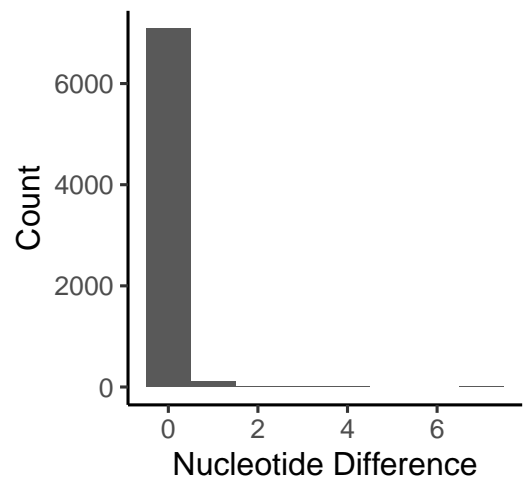
### TRBV2\*ap01

7729 sequences assigned  
7651 (99%) exact matches, in which:  
7537 unique CDR3  
13 unique J



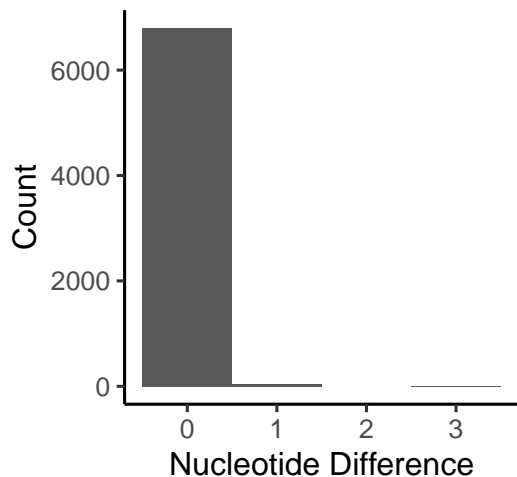
### TRBV30\*ap01

7200 sequences assigned  
7084 (98.4%) exact matches, in which:  
7000 unique CDR3  
13 unique J



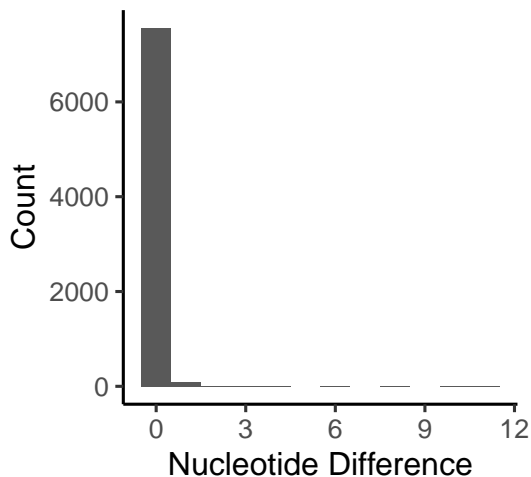
### TRBV18\*ap01

6846 sequences assigned  
6798 (99.3%) exact matches, in which:  
6707 unique CDR3  
13 unique J



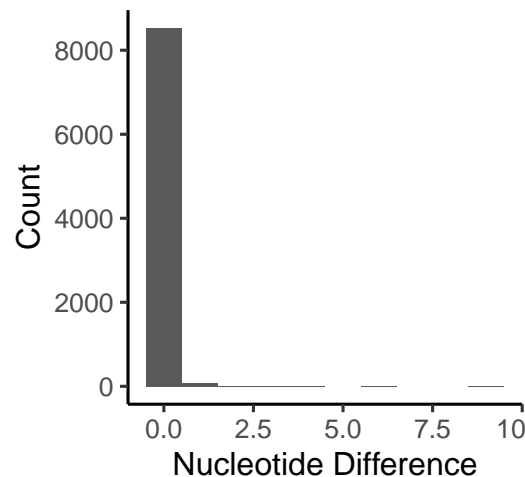
### TRBV27\*ap01

7666 sequences assigned  
7558 (98.6%) exact matches, in which:  
7387 unique CDR3  
13 unique J



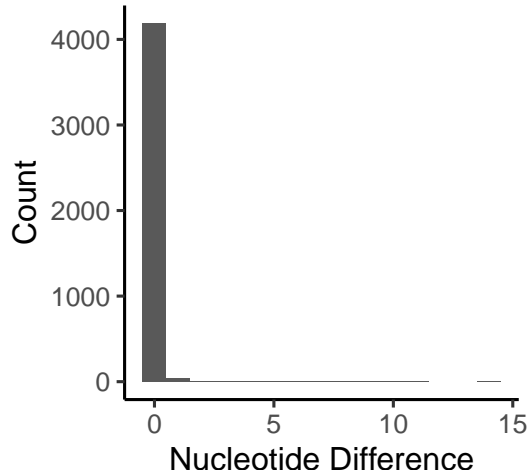
### TRBV9\*ap01

8620 sequences assigned  
8528 (98.9%) exact matches, in which:  
8397 unique CDR3  
13 unique J



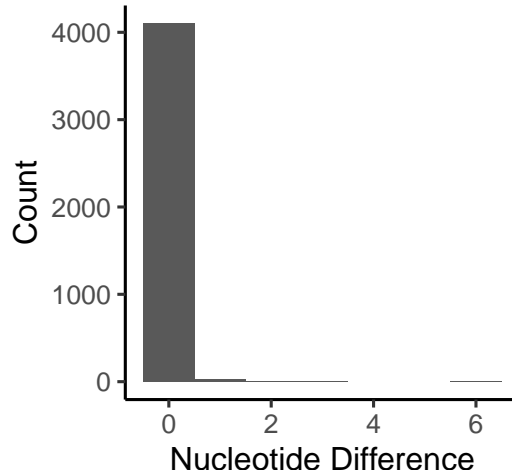
### TRBV21-1\*ap01

4255 sequences assigned  
4187 (98.4%) exact matches, in which:  
4116 unique CDR3  
13 unique J



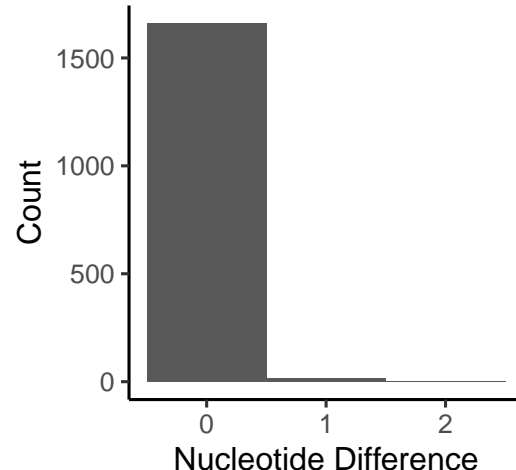
### TRBV11-3\*ap01

4141 sequences assigned  
4102 (99.1%) exact matches, in which:  
4026 unique CDR3  
13 unique J



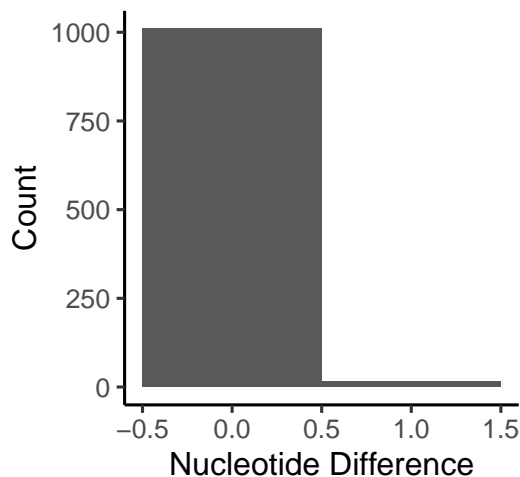
### TRBV12-5\*ap01

1677 sequences assigned  
1660 (99%) exact matches, in which:  
1633 unique CDR3  
13 unique J



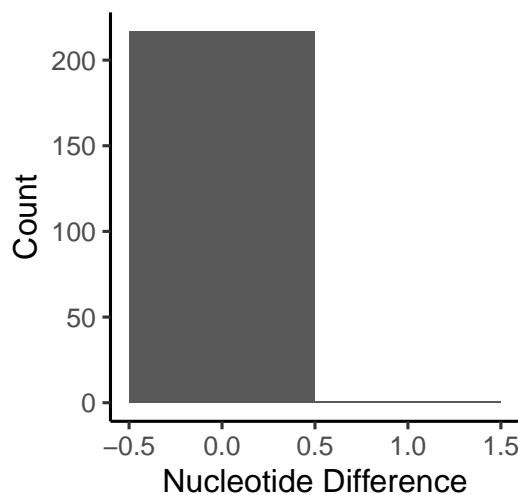
### TRBV11-1\*ap01

1025 sequences assigned  
1010 (98.5%) exact matches, in which:  
982 unique CDR3  
13 unique J



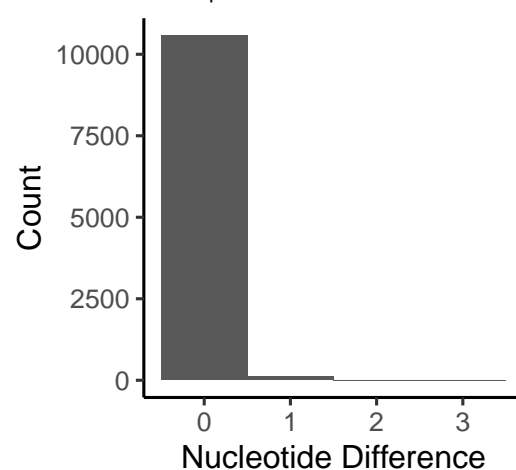
### TRBV12-1\*ap01

218 sequences assigned  
217 (99.5%) exact matches, in which:  
212 unique CDR3  
13 unique J



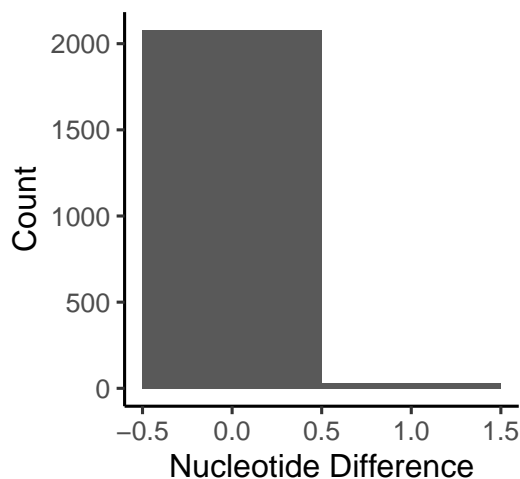
### TRBV12-34\*ap01

10692 sequences assigned  
10577 (98.9%) exact matches, in which:  
10397 unique CDR3  
13 unique J



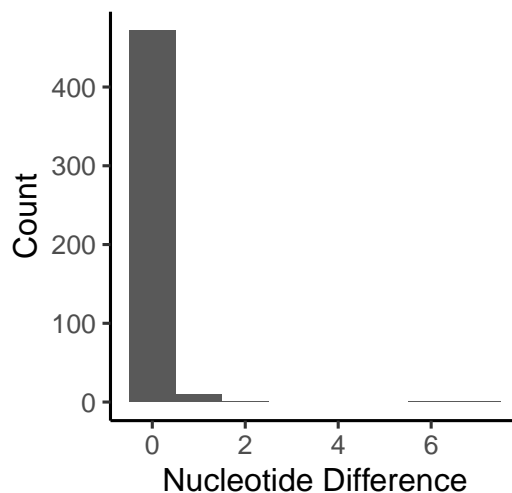
### TRBV11-2\*ap01

2109 sequences assigned  
2079 (98.6%) exact matches, in which:  
2052 unique CDR3  
13 unique J



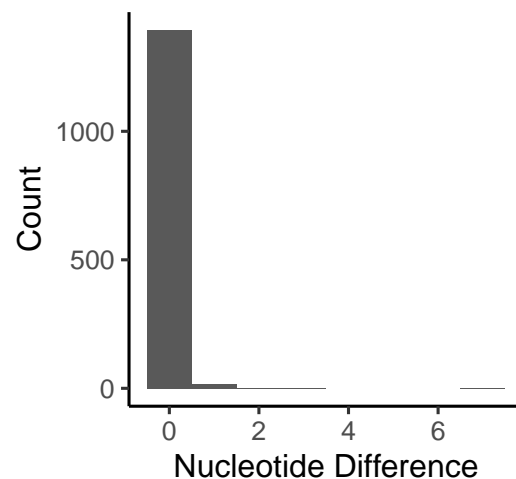
### TRBV12-2\*ap01

484 sequences assigned  
472 (97.5%) exact matches, in which:  
463 unique CDR3  
13 unique J



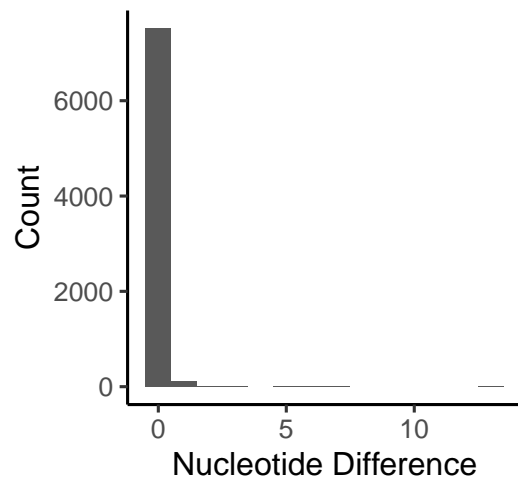
### TRBV23-1\*ap01

1416 sequences assigned  
1394 (98.4%) exact matches, in which:  
1367 unique CDR3  
13 unique J



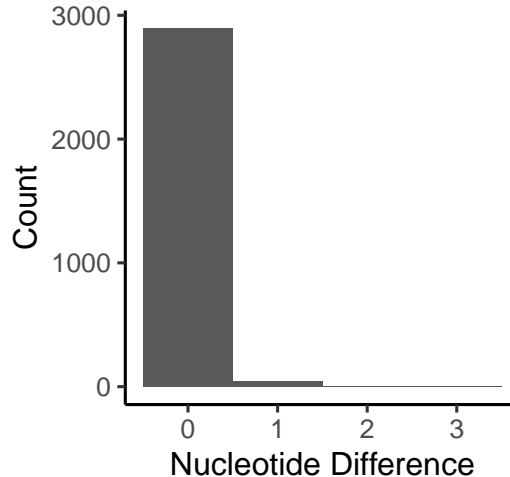
### TRBV3–12\*ap01

7633 sequences assigned  
7517 (98.5%) exact matches, in which:  
7389 unique CDR3  
13 unique J



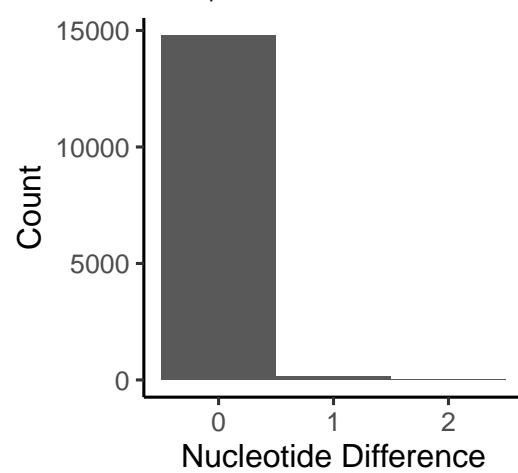
### TRBV4–2\*ap01

2942 sequences assigned  
2894 (98.4%) exact matches, in which:  
2843 unique CDR3  
13 unique J



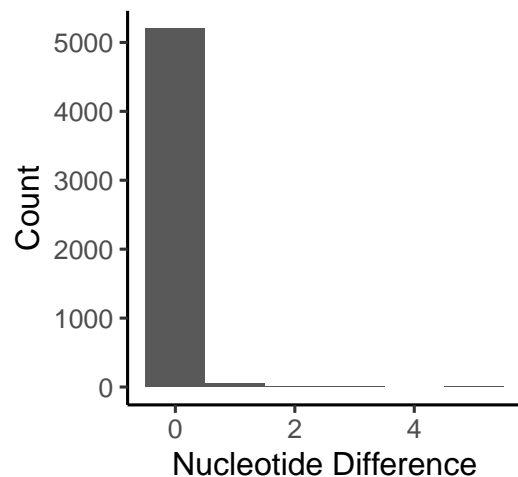
### TRBV5–1\*ap01

14968 sequences assigned  
14800 (98.9%) exact matches, in which:  
14467 unique CDR3  
13 unique J



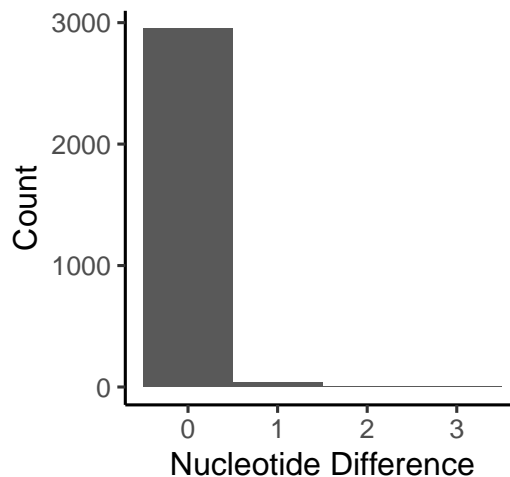
### TRBV4–1\*ap01

5248 sequences assigned  
5199 (99.1%) exact matches, in which:  
5095 unique CDR3  
13 unique J



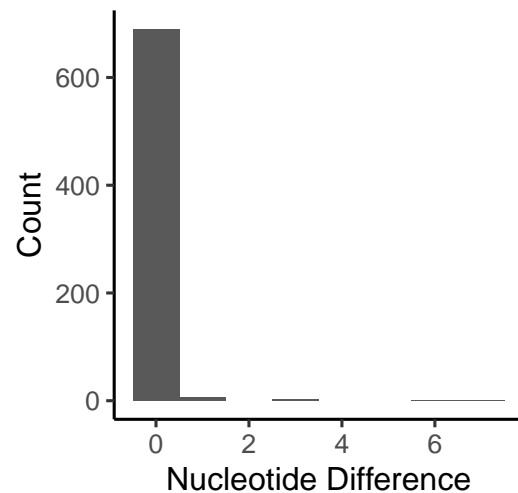
### TRBV4–3\*ap01

2996 sequences assigned  
2950 (98.5%) exact matches, in which:  
2900 unique CDR3  
13 unique J



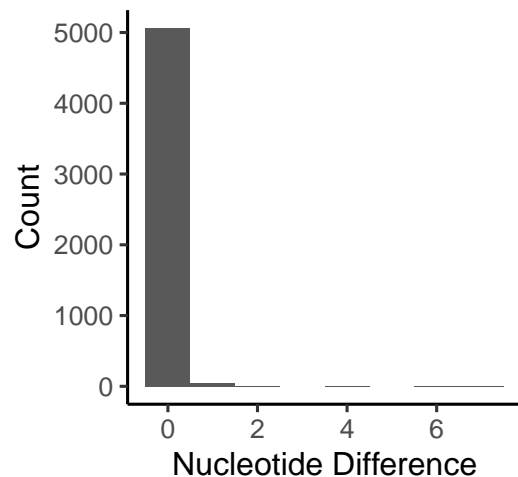
### TRBV5–3\*ap01

702 sequences assigned  
690 (98.3%) exact matches, in which:  
677 unique CDR3  
13 unique J



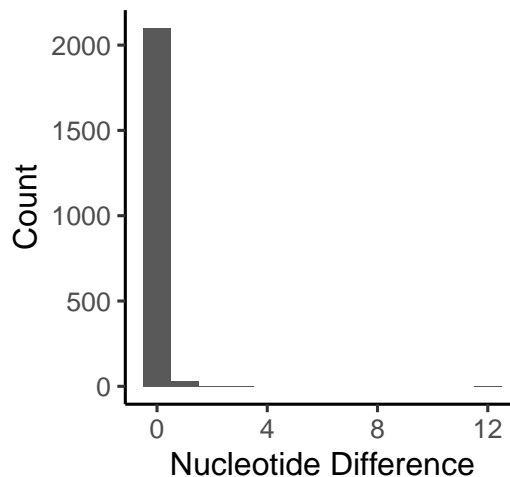
### TRBV24–1\*ap01

5121 sequences assigned  
5063 (98.9%) exact matches, in which:  
4991 unique CDR3  
13 unique J



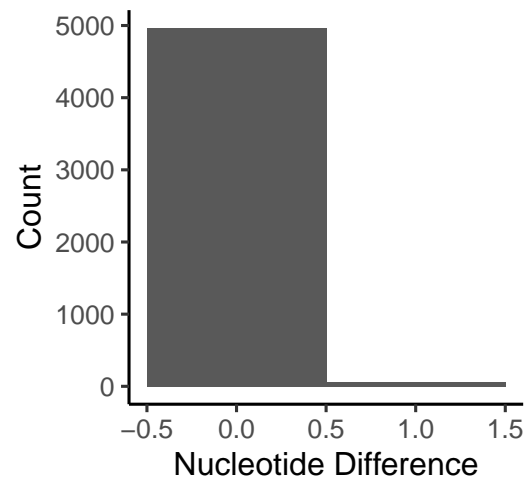
### TRBV25–1\*ap01

2138 sequences assigned  
2100 (98.2%) exact matches, in which:  
2078 unique CDR3  
13 unique J



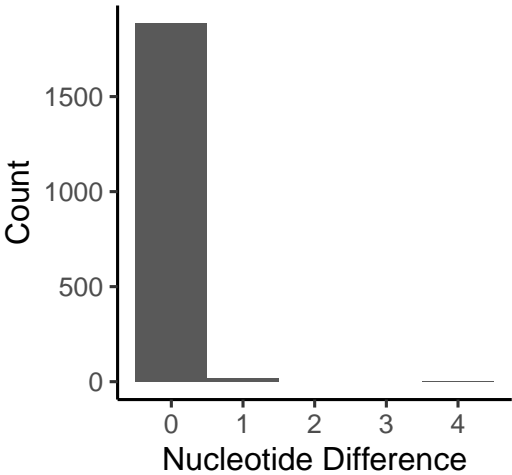
### TRBV5–4\*ap01

5026 sequences assigned  
4965 (98.8%) exact matches, in which:  
4859 unique CDR3  
13 unique J



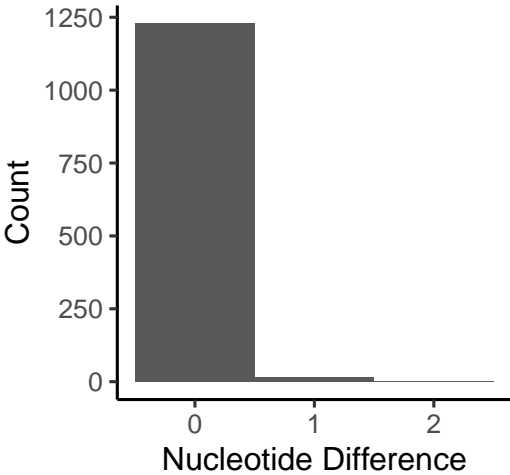
TRBV5-5\*ap01

1903 sequences assigned  
1885 (99.1%) exact matches, in which:  
1846 unique CDR3  
13 unique J



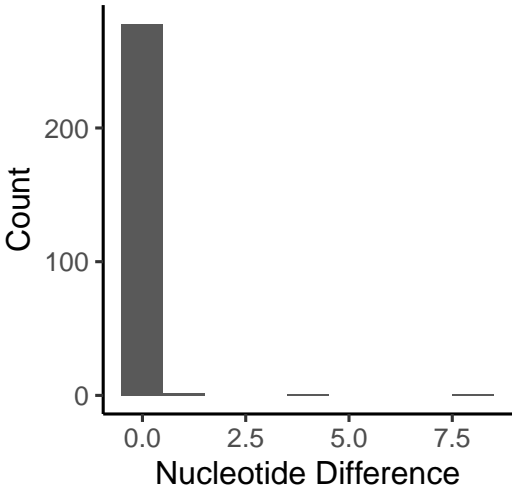
TRBV5-8\*ap01

1247 sequences assigned  
1229 (98.6%) exact matches, in which:  
1207 unique CDR3  
13 unique J



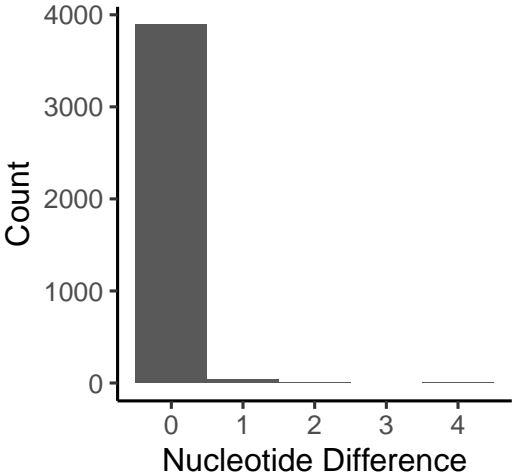
TRBV6-7\*ap01

282 sequences assigned  
278 (98.6%) exact matches, in which:  
270 unique CDR3  
13 unique J



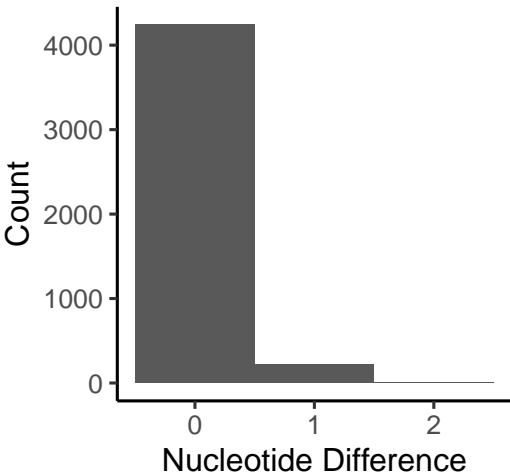
TRBV5-6\*ap01

3933 sequences assigned  
3892 (99%) exact matches, in which:  
3813 unique CDR3  
13 unique J



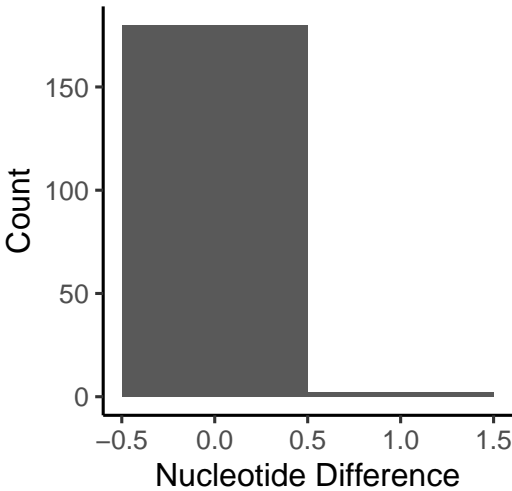
TRBV6-1\*ap01

4466 sequences assigned  
4242 (95%) exact matches, in which:  
4149 unique CDR3  
13 unique J



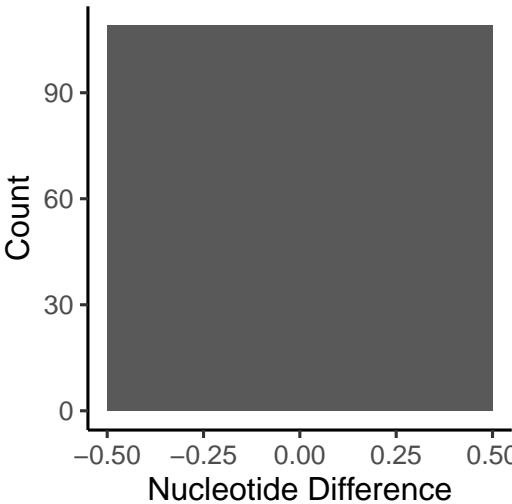
TRBV6-8\*ap01

182 sequences assigned  
180 (98.9%) exact matches, in which:  
177 unique CDR3  
13 unique J



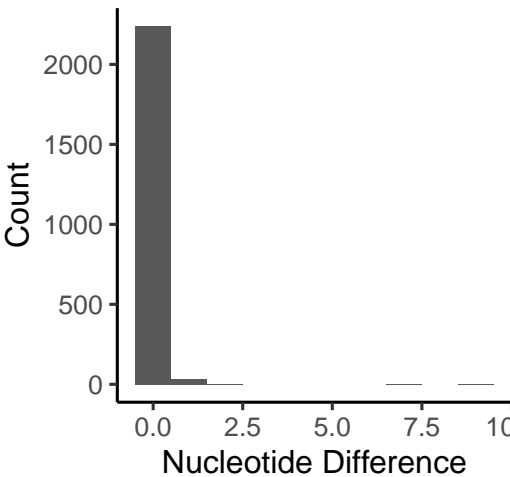
TRBV5-7\*ap01

109 sequences assigned  
109 (100%) exact matches, in which:  
109 unique CDR3  
13 unique J



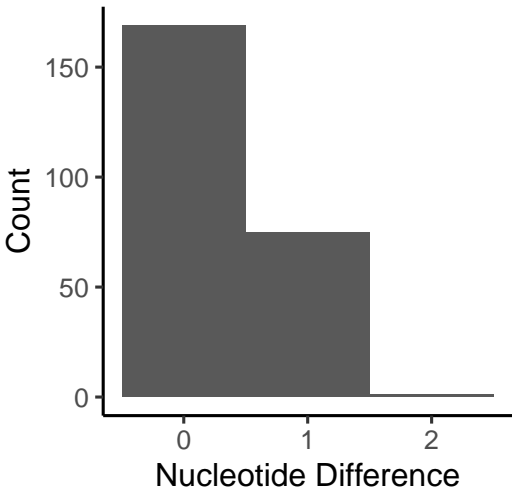
TRBV6-4\*ap01

2275 sequences assigned  
2240 (98.5%) exact matches, in which:  
2194 unique CDR3  
13 unique J



TRBV6-9\*ap01

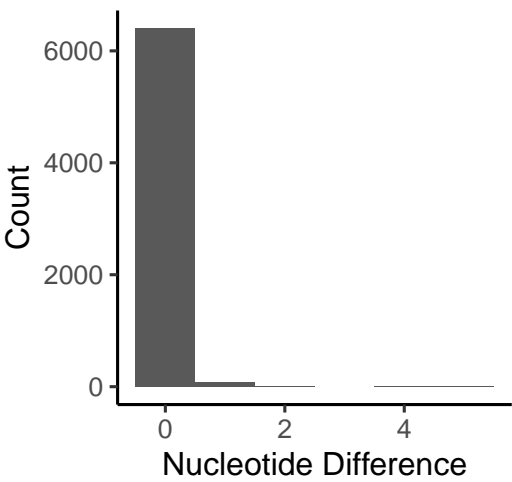
245 sequences assigned  
169 (69%) exact matches, in which:  
164 unique CDR3  
13 unique J





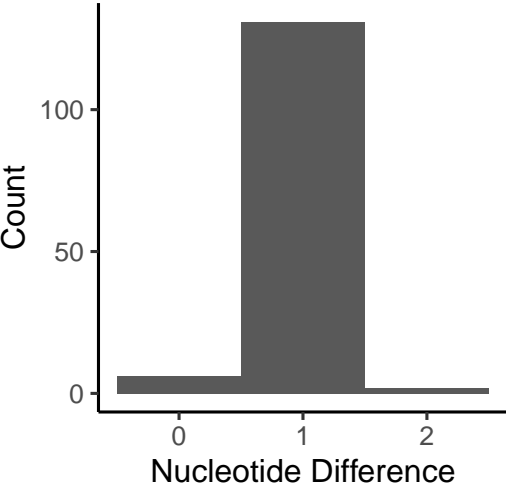
TRBV6-23\*ap01

6481 sequences assigned  
6401 (98.8%) exact matches, in which:  
6281 unique CDR3  
13 unique J



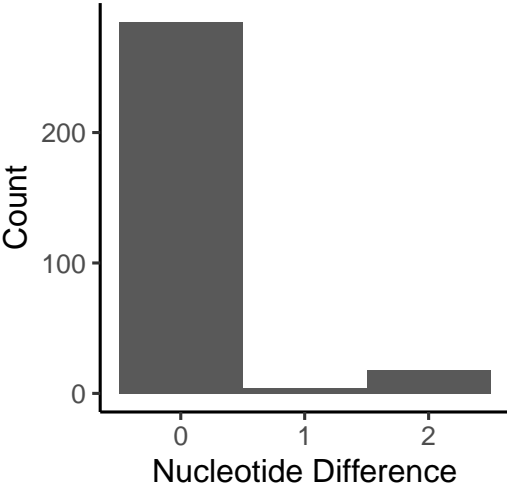
TRBV7-1\*ap01\_T296C

139 sequences assigned  
6 (4.3%) exact matches, in which:  
6 unique CDR3  
4 unique J



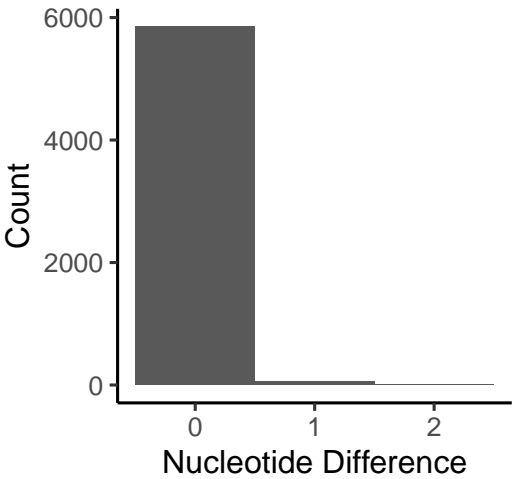
TRBV7-4\*ap01

307 sequences assigned  
285 (92.8%) exact matches, in which:  
276 unique CDR3  
13 unique J



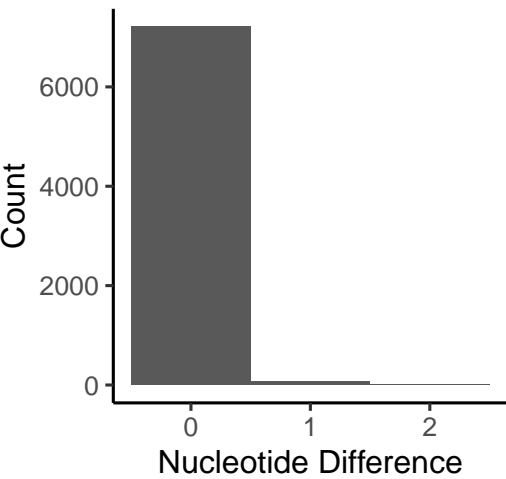
TRBV6-56\*ap01

5912 sequences assigned  
5850 (99%) exact matches, in which:  
5733 unique CDR3  
13 unique J



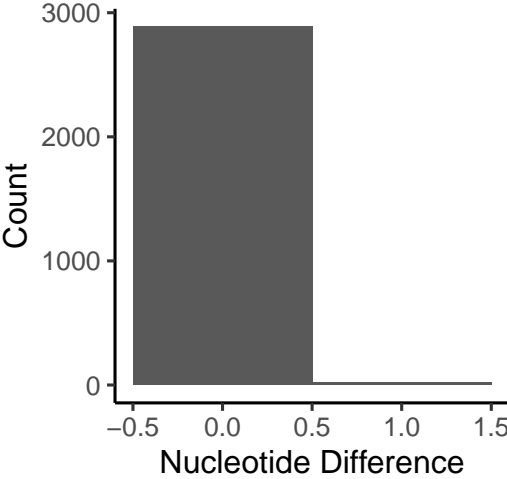
TRBV7-2\*ap01

7287 sequences assigned  
7211 (99%) exact matches, in which:  
7091 unique CDR3  
13 unique J



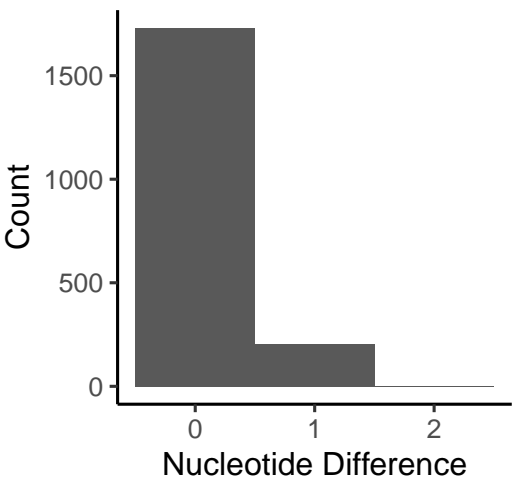
TRBV7-6\*ap01

2910 sequences assigned  
2887 (99.2%) exact matches, in which:  
2842 unique CDR3  
13 unique J



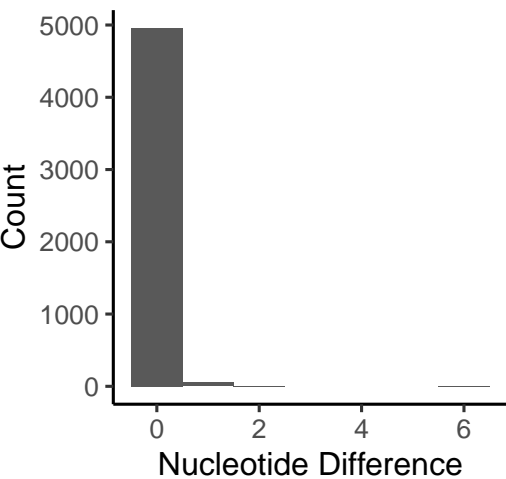
TRBV6-56\*ap02

1936 sequences assigned  
1730 (89.4%) exact matches, in which:  
1696 unique CDR3  
13 unique J



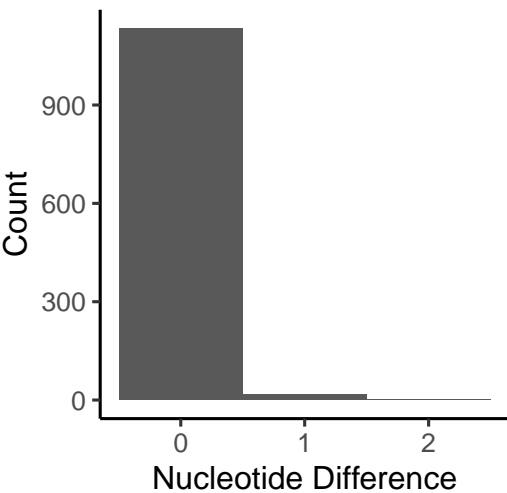
TRBV7-3\*ap01

5013 sequences assigned  
4958 (98.9%) exact matches, in which:  
4888 unique CDR3  
13 unique J



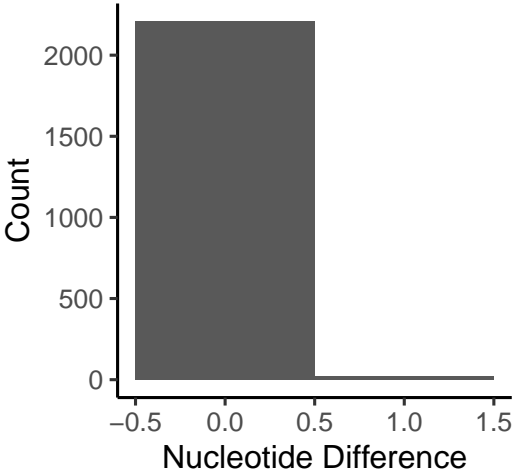
TRBV7-7\*ap01\_C315T

1151 sequences assigned  
1134 (98.5%) exact matches, in which:  
1108 unique CDR3  
13 unique J



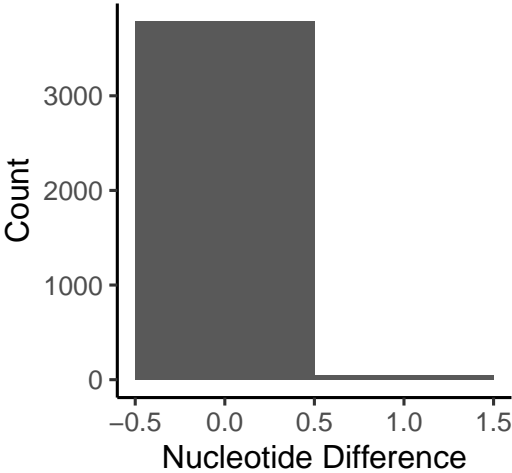
TRBV7-8\*ap01

2232 sequences assigned  
2208 (98.9%) exact matches, in which:  
2170 unique CDR3  
13 unique J



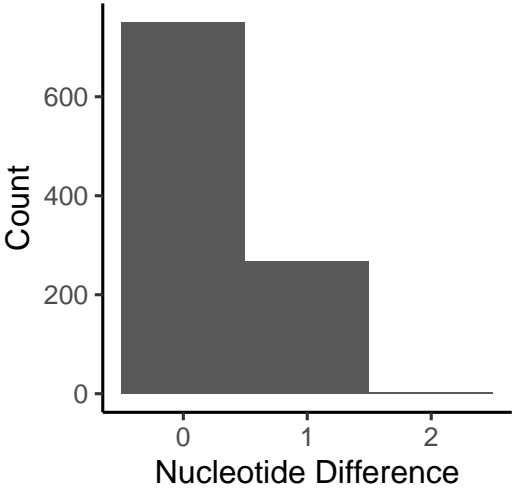
TRBV29-1\*ap01

3831 sequences assigned  
3786 (98.8%) exact matches, in which:  
3727 unique CDR3  
13 unique J



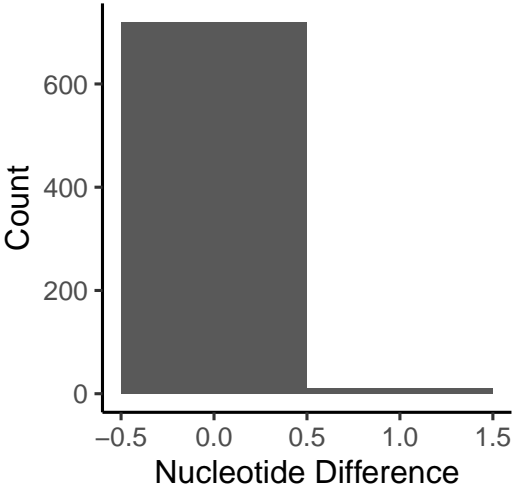
TRBV7-8\*ap03

1022 sequences assigned  
751 (73.5%) exact matches, in which:  
738 unique CDR3  
13 unique J



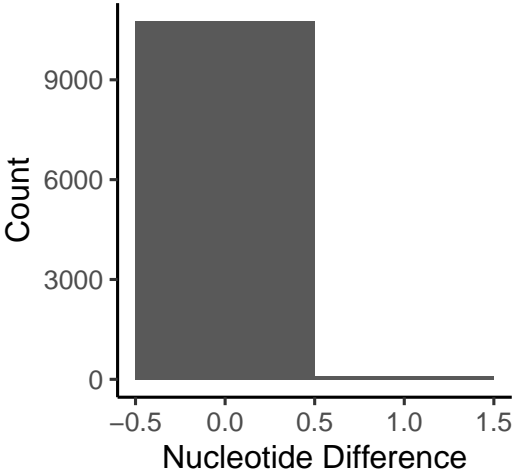
TRBV29-1\*ap02

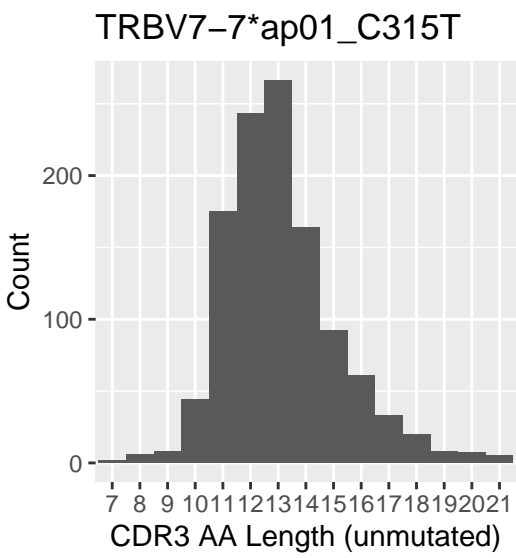
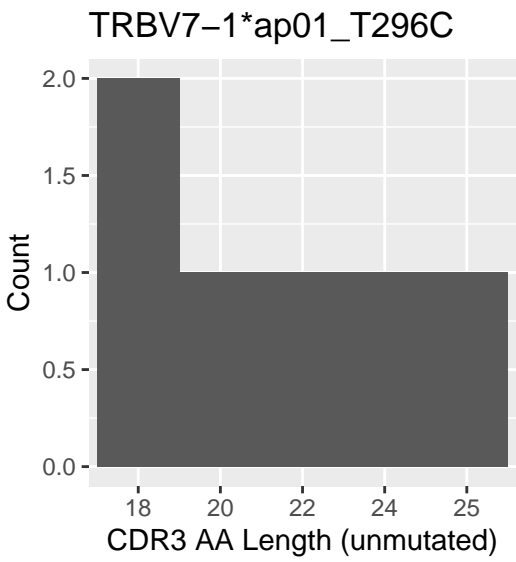
730 sequences assigned  
720 (98.6%) exact matches, in which:  
708 unique CDR3  
13 unique J



TRBV7-9\*ap01

10864 sequences assigned  
10765 (99.1%) exact matches, in which:  
10604 unique CDR3  
13 unique J







Warning – no inferred sequences found.