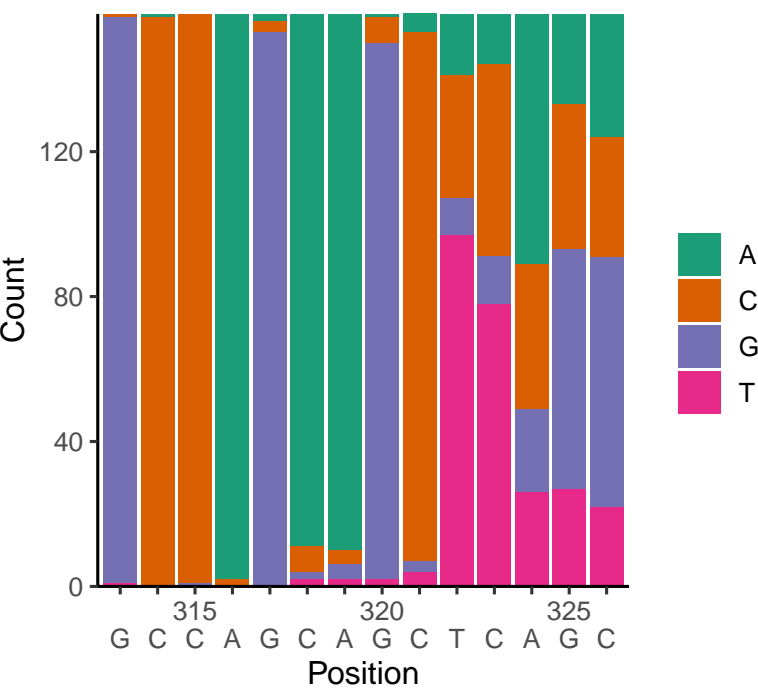
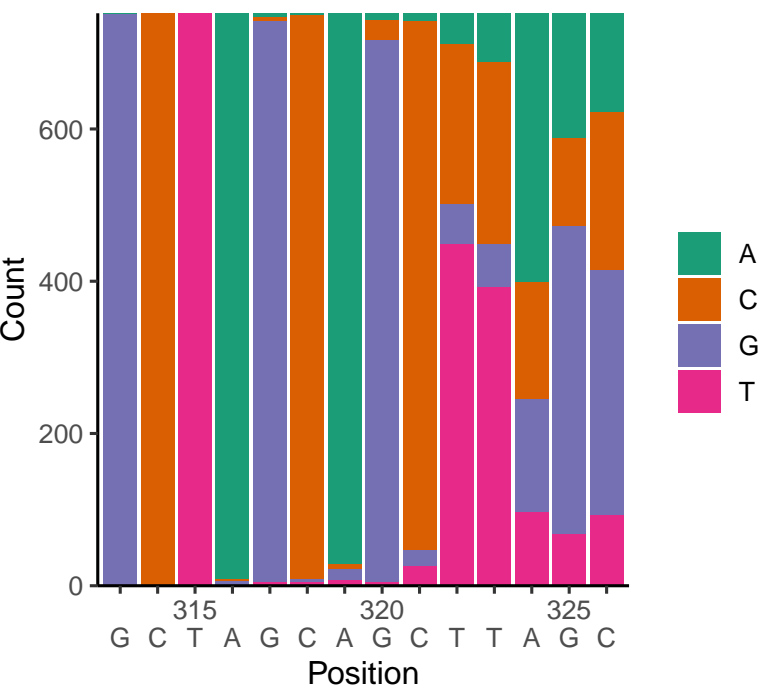


Gene TRBV7-1\*ap01\_G291C\_T296C



Gene TRBV7-7\*ap01\_C315T



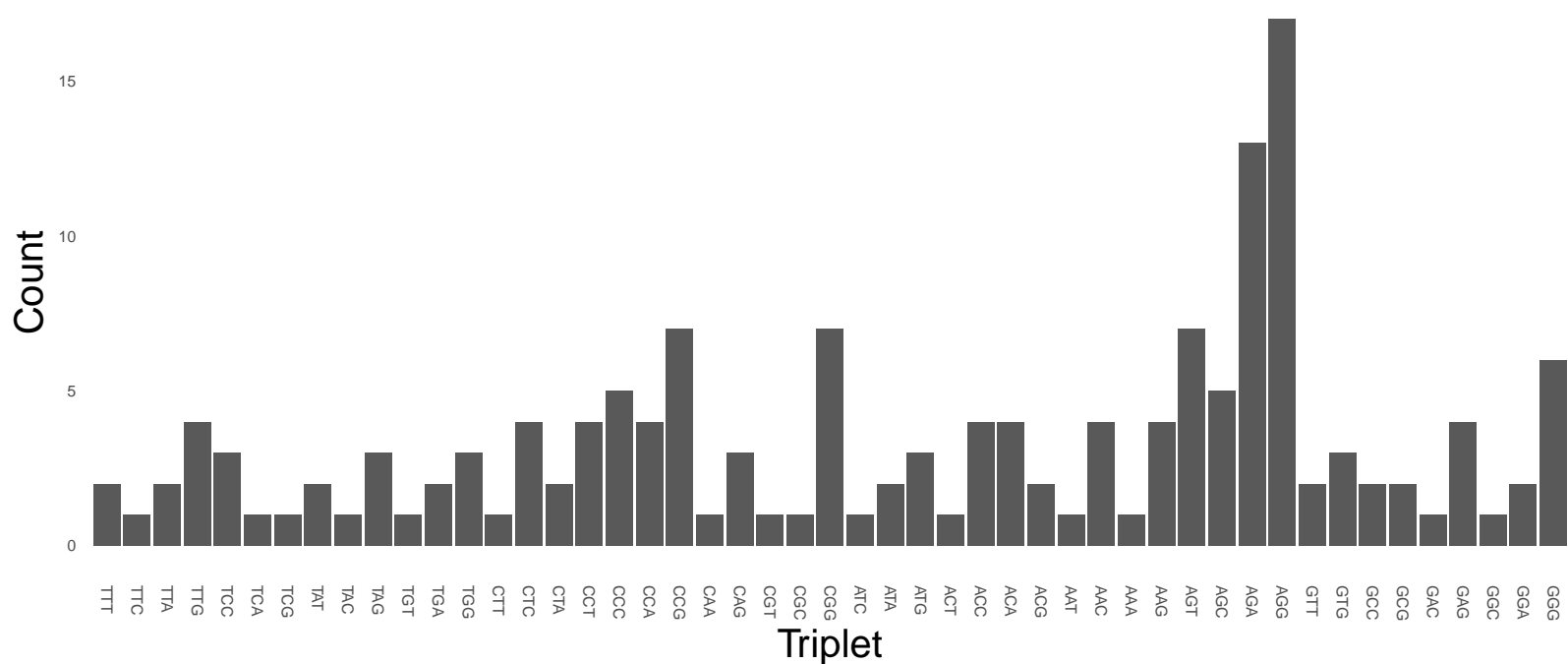
Gene TRBV7-1\*ap01\_G291C\_T296C



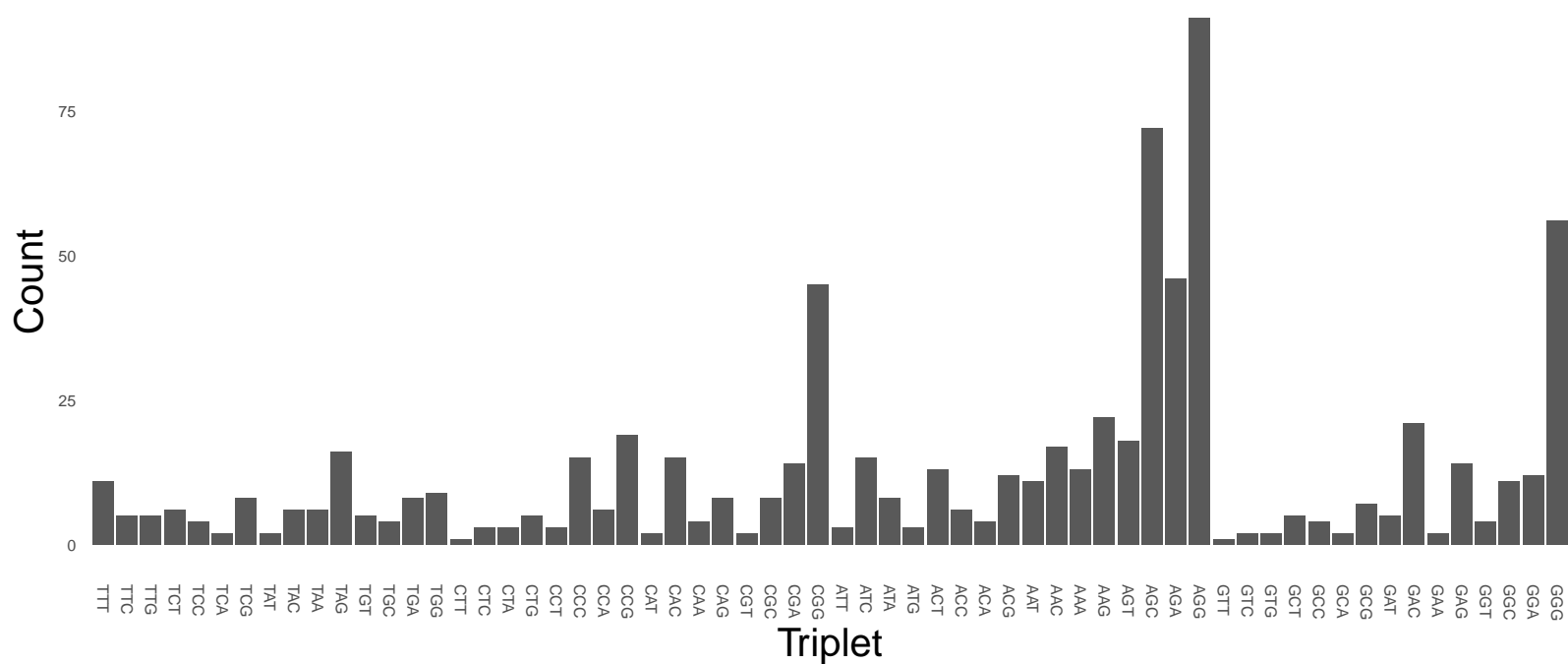
Gene TRBV7-7\*ap01\_C315T



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

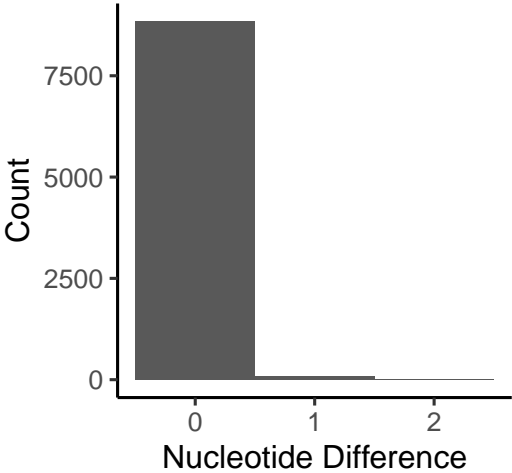


TRBV7-7\*ap01\_C315T- Final 3 nucleotides as a triplet



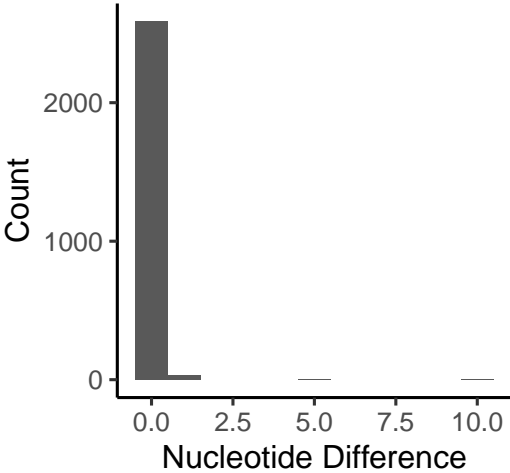
TRBV20-1\*ap01

8919 sequences assigned  
8841 (99.1%) exact matches, in which:  
8766 unique CDR3  
14 unique J



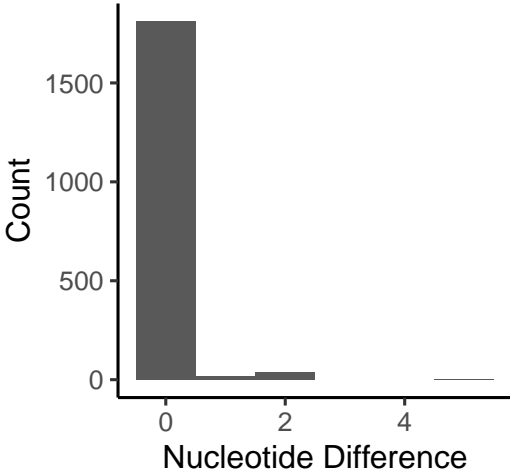
TRBV10-2\*ap01

2623 sequences assigned  
2587 (98.6%) exact matches, in which:  
2549 unique CDR3  
14 unique J



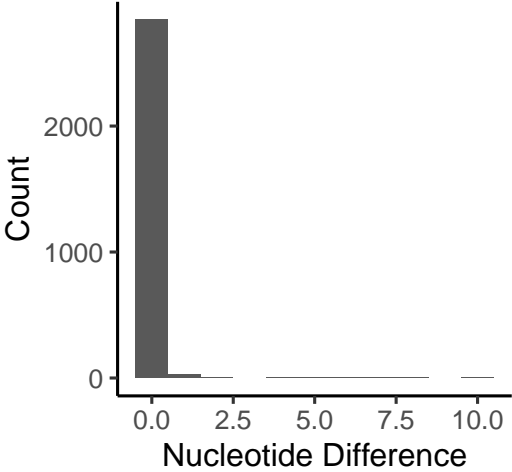
TRBV13\*ap01

1867 sequences assigned  
1811 (97%) exact matches, in which:  
1782 unique CDR3  
14 unique J



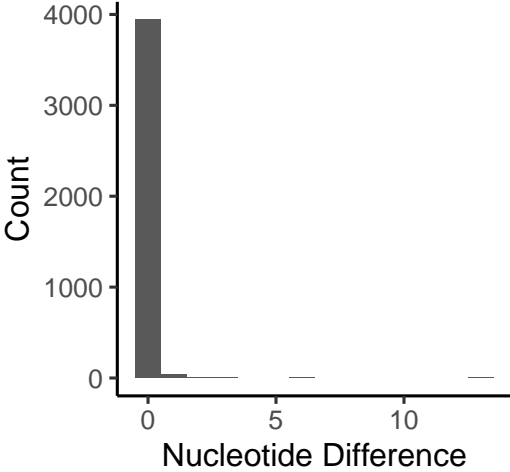
TRBV10-1\*ap01

2880 sequences assigned  
2844 (98.8%) exact matches, in which:  
2807 unique CDR3  
14 unique J



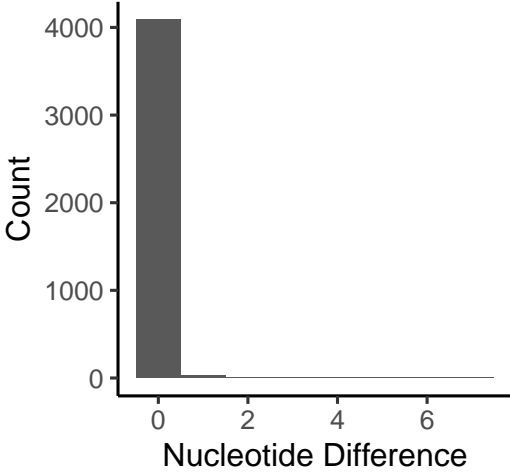
TRBV10-3\*ap01

3991 sequences assigned  
3942 (98.8%) exact matches, in which:  
3877 unique CDR3  
14 unique J



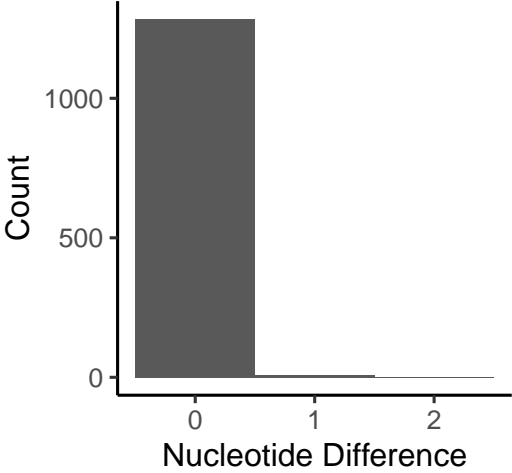
TRBV14\*ap01

4123 sequences assigned  
4088 (99.2%) exact matches, in which:  
4047 unique CDR3  
14 unique J



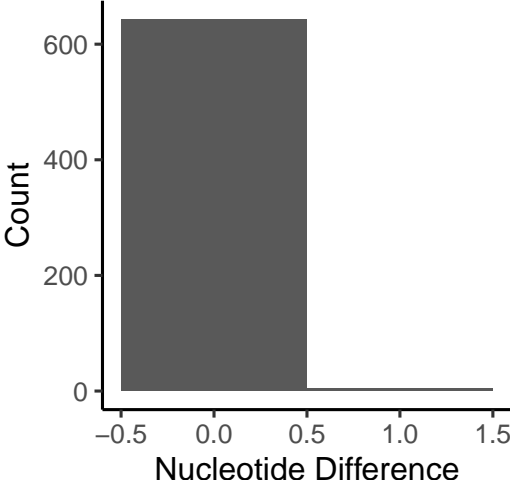
TRBV20-1\*ap02

1293 sequences assigned  
1284 (99.3%) exact matches, in which:  
1270 unique CDR3  
14 unique J



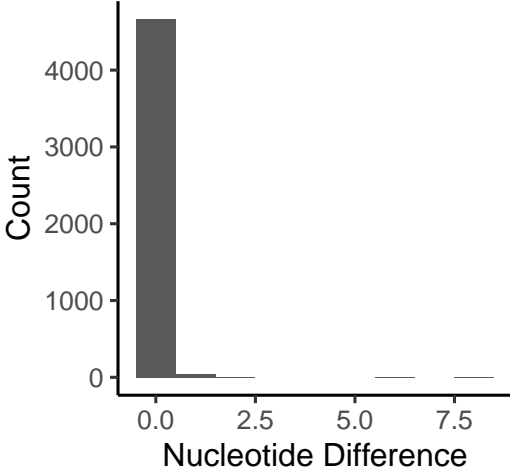
TRBV1\*ap01

647 sequences assigned  
643 (99.4%) exact matches, in which:  
628 unique CDR3  
14 unique J



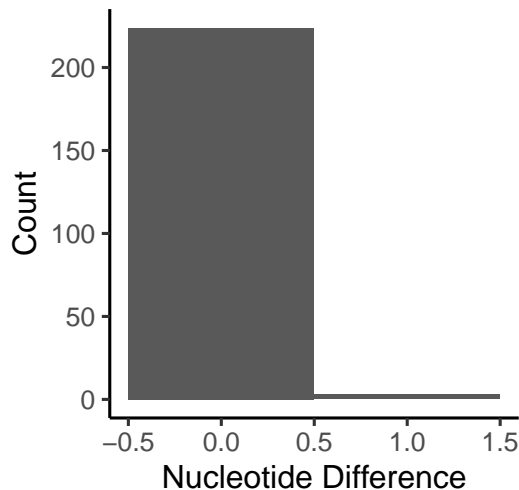
TRBV15\*ap02

4715 sequences assigned  
4665 (98.9%) exact matches, in which:  
4598 unique CDR3  
14 unique J



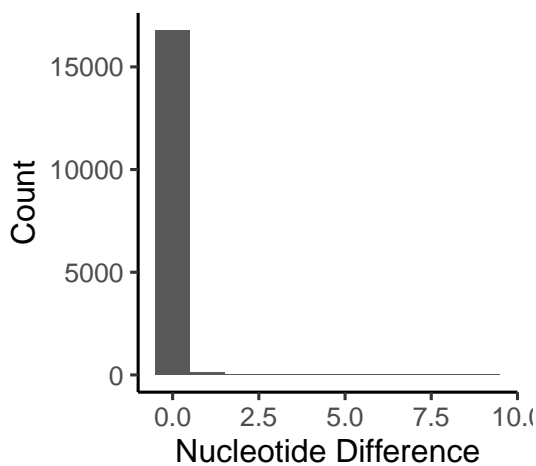
### TRBV16\*ap01

227 sequences assigned  
224 (98.7%) exact matches, in which:  
223 unique CDR3  
14 unique J



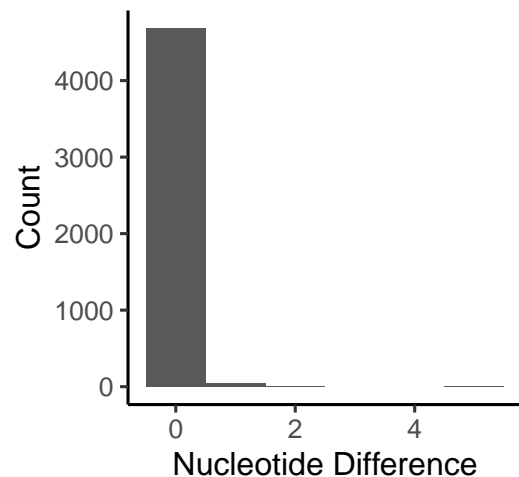
### TRBV19\*ap01

16947 sequences assigned  
16788 (99.1%) exact matches, in which:  
16681 unique CDR3  
14 unique J



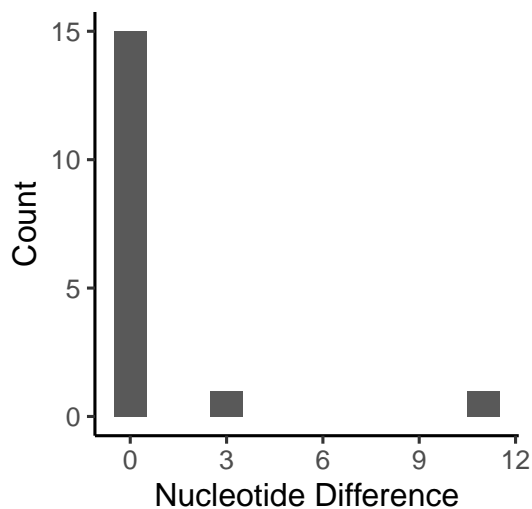
### TRBV28\*ap01

4725 sequences assigned  
4682 (99.1%) exact matches, in which:  
4625 unique CDR3  
14 unique J



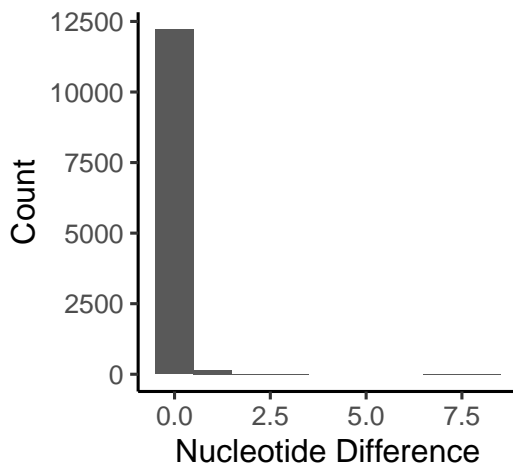
### TRBV17\*ap01

17 sequences assigned  
15 (88.2%) exact matches, in which:  
15 unique CDR3  
5 unique J



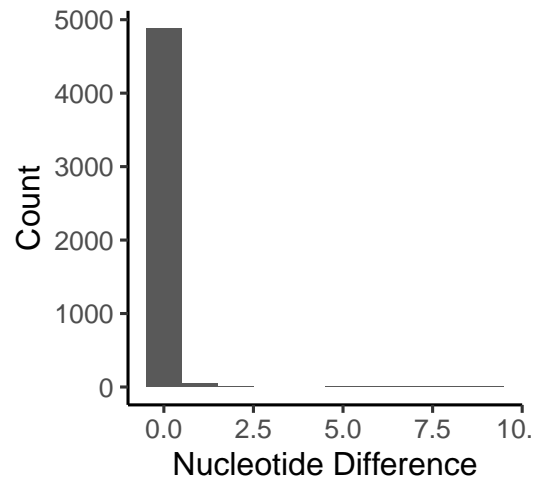
### TRBV2\*ap01

12366 sequences assigned  
12216 (98.8%) exact matches, in which:  
12046 unique CDR3  
14 unique J



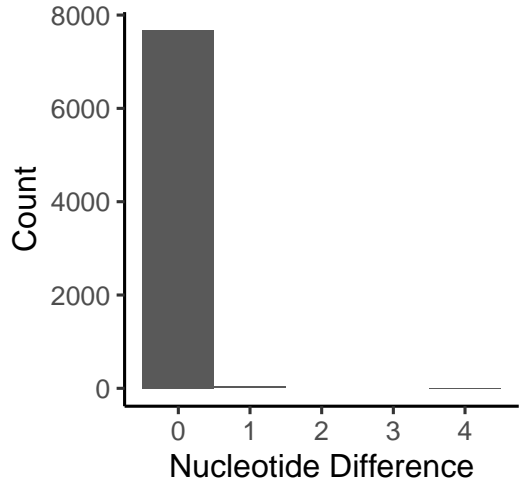
### TRBV30\*ap02

4946 sequences assigned  
4877 (98.6%) exact matches, in which:  
4851 unique CDR3  
14 unique J



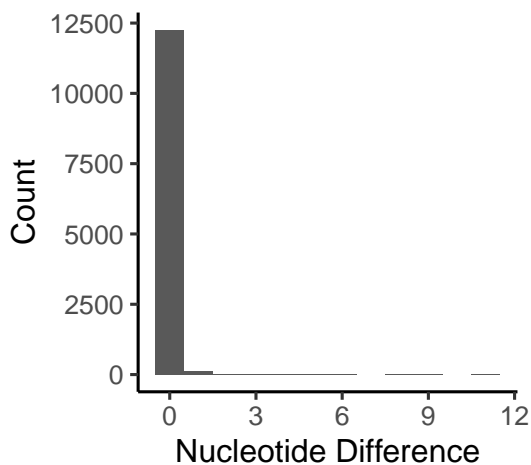
### TRBV18\*ap01

7722 sequences assigned  
7679 (99.4%) exact matches, in which:  
7628 unique CDR3  
14 unique J



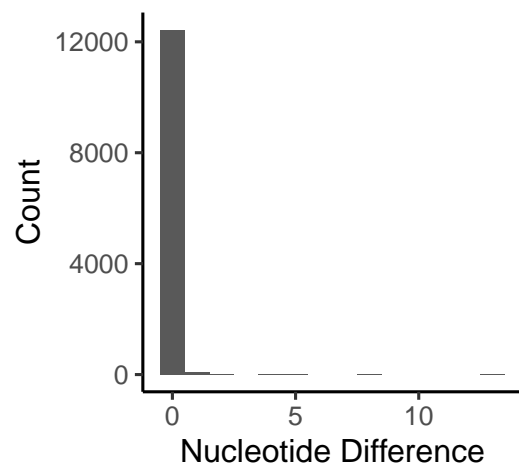
### TRBV27\*ap01

12390 sequences assigned  
12261 (99%) exact matches, in which:  
12108 unique CDR3  
14 unique J



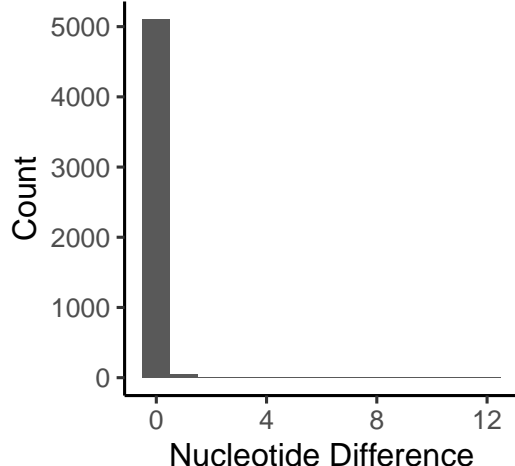
### TRBV9\*ap01

12538 sequences assigned  
12434 (99.2%) exact matches, in which:  
12308 unique CDR3  
14 unique J



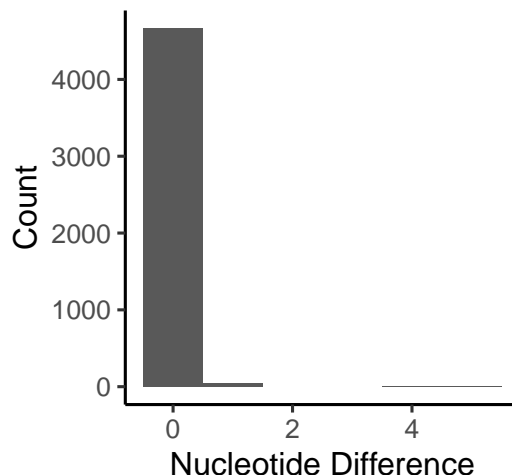
### TRBV21-1\*ap01

5195 sequences assigned  
5103 (98.2%) exact matches, in which:  
5032 unique CDR3  
14 unique J



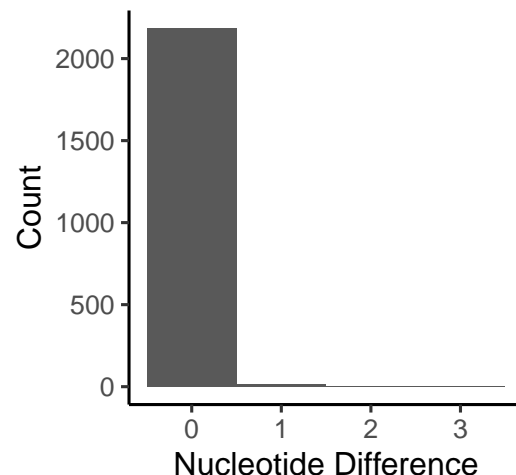
### TRBV11-3\*ap01

4714 sequences assigned  
4664 (98.9%) exact matches, in which:  
4635 unique CDR3  
14 unique J



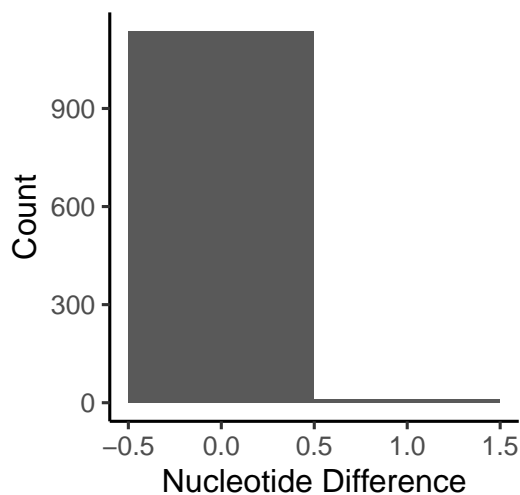
### TRBV12-5\*ap01

2200 sequences assigned  
2184 (99.3%) exact matches, in which:  
2150 unique CDR3  
14 unique J



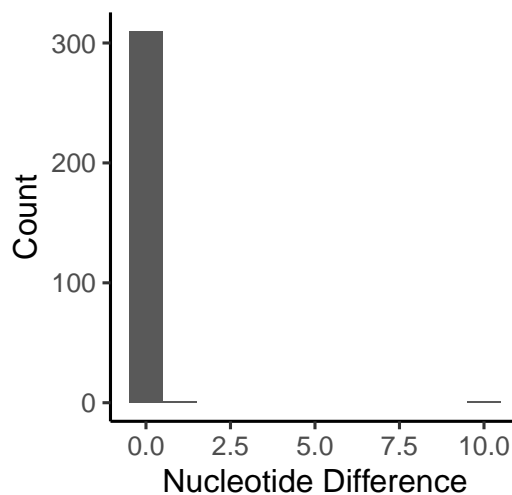
### TRBV11-1\*ap01

1147 sequences assigned  
1137 (99.1%) exact matches, in which:  
1125 unique CDR3  
14 unique J



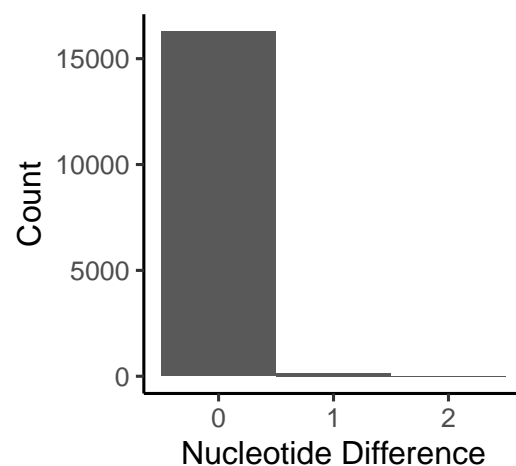
### TRBV12-1\*ap01

312 sequences assigned  
310 (99.4%) exact matches, in which:  
305 unique CDR3  
14 unique J



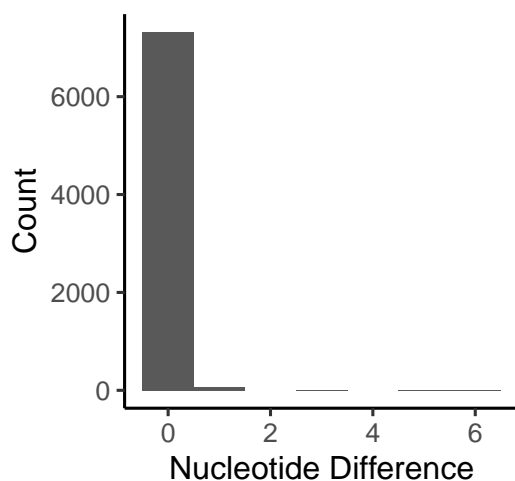
### TRBV12-34\*ap01

16436 sequences assigned  
16284 (99.1%) exact matches, in which:  
16093 unique CDR3  
14 unique J



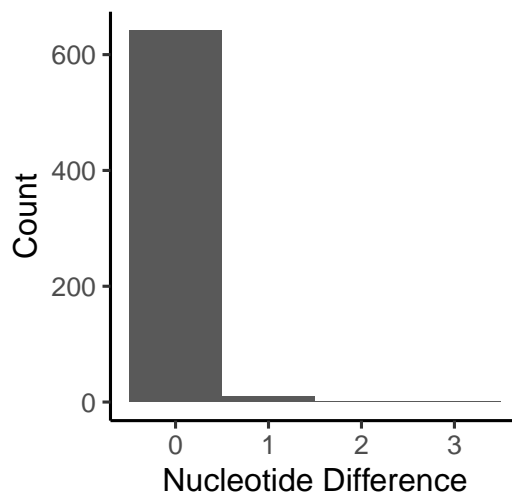
### TRBV11-2\*ap01

7387 sequences assigned  
7320 (99.1%) exact matches, in which:  
7225 unique CDR3  
14 unique J



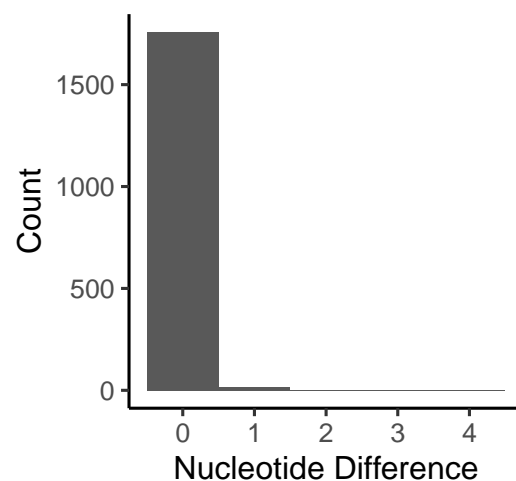
### TRBV12-2\*ap01

653 sequences assigned  
642 (98.3%) exact matches, in which:  
632 unique CDR3  
14 unique J



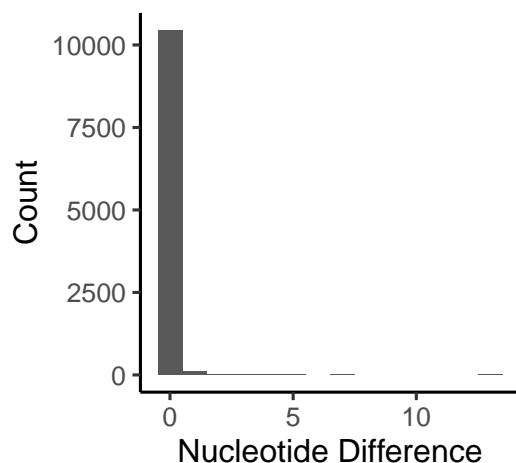
### TRBV23-1\*ap01

1778 sequences assigned  
1758 (98.9%) exact matches, in which:  
1732 unique CDR3  
14 unique J



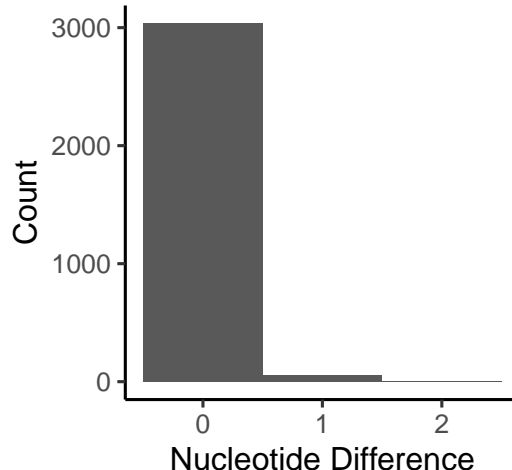
### TRBV3–12\*ap01

10573 sequences assigned  
10449 (98.8%) exact matches, in which:  
10306 unique CDR3  
14 unique J



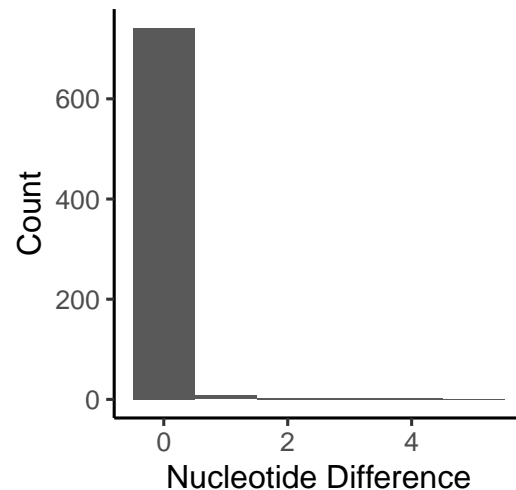
### TRBV4–2\*ap01

3090 sequences assigned  
3036 (98.3%) exact matches, in which:  
2998 unique CDR3  
14 unique J



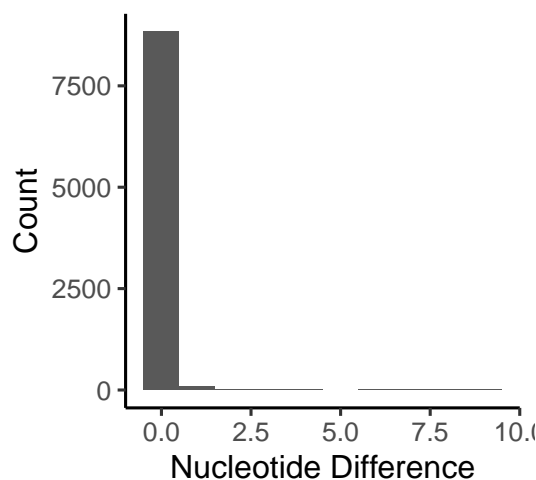
### TRBV5–3\*ap01

758 sequences assigned  
742 (97.9%) exact matches, in which:  
734 unique CDR3  
14 unique J



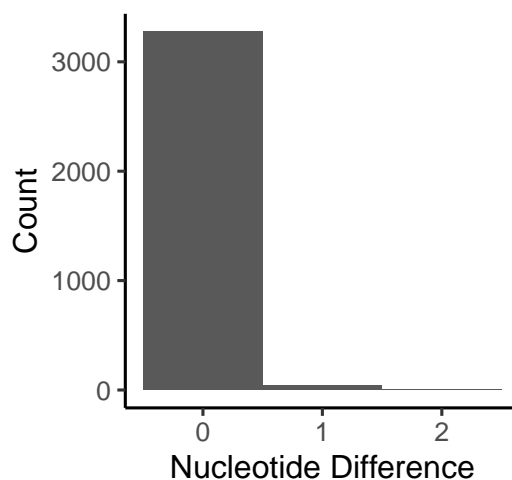
### TRBV24–1\*ap01

8945 sequences assigned  
8834 (98.8%) exact matches, in which:  
8730 unique CDR3  
14 unique J



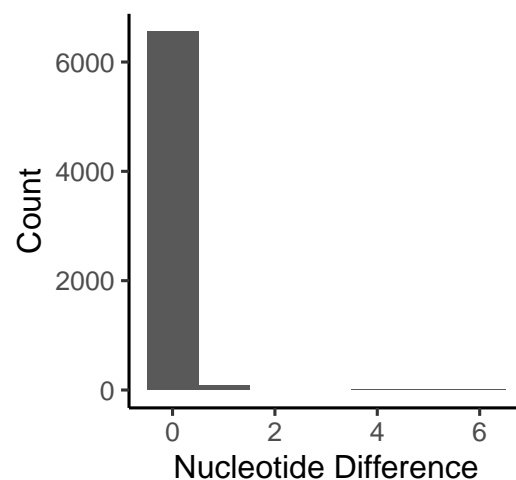
### TRBV25–1\*ap01

3314 sequences assigned  
3275 (98.8%) exact matches, in which:  
3234 unique CDR3  
14 unique J



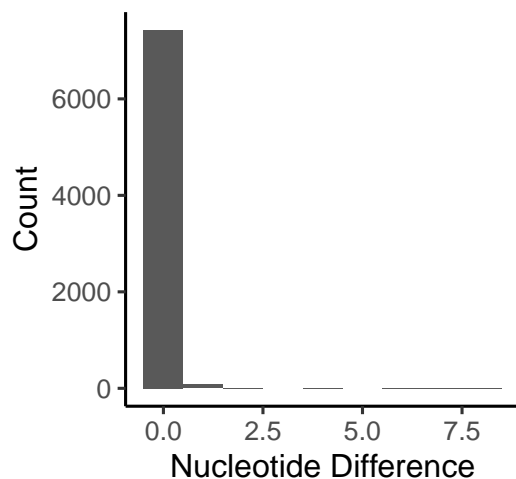
### TRBV5–4\*ap01

6635 sequences assigned  
6554 (98.8%) exact matches, in which:  
6469 unique CDR3  
14 unique J



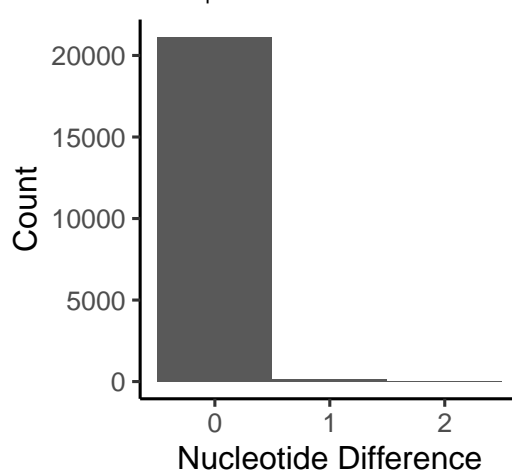
### TRBV4–1\*ap01

7515 sequences assigned  
7427 (98.8%) exact matches, in which:  
7334 unique CDR3  
14 unique J



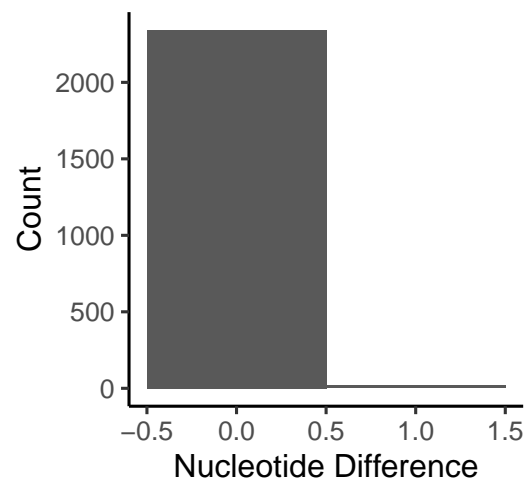
### TRBV5–1\*ap01

21335 sequences assigned  
21146 (99.1%) exact matches, in which:  
20800 unique CDR3  
14 unique J



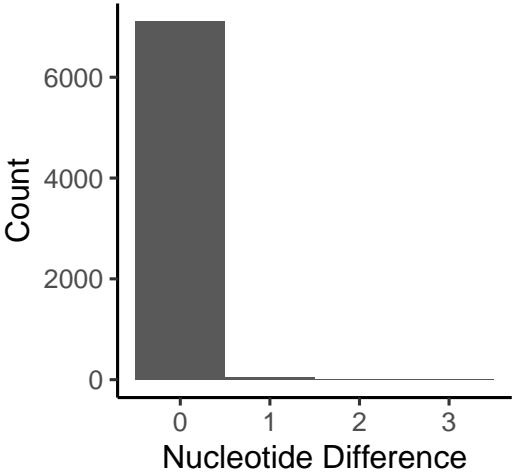
### TRBV5–5\*ap01

2360 sequences assigned  
2342 (99.2%) exact matches, in which:  
2325 unique CDR3  
14 unique J



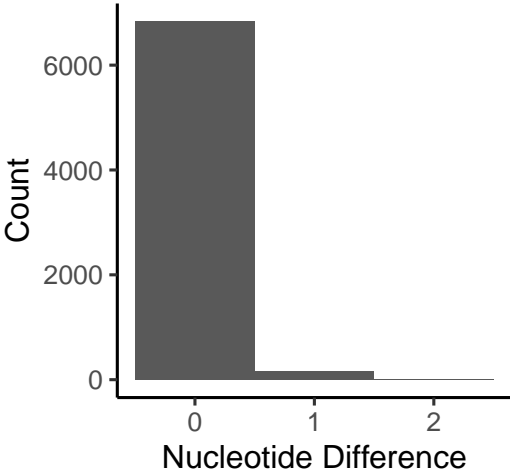
TRBV5-6\*ap01

7165 sequences assigned  
7108 (99.2%) exact matches, in which:  
6972 unique CDR3  
15 unique J



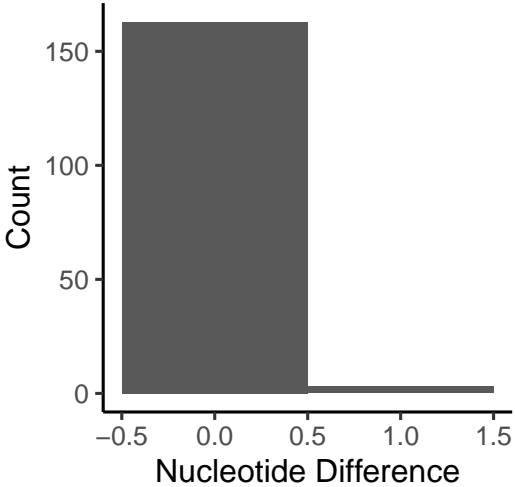
TRBV6-1\*ap01

7000 sequences assigned  
6834 (97.6%) exact matches, in which:  
6718 unique CDR3  
14 unique J



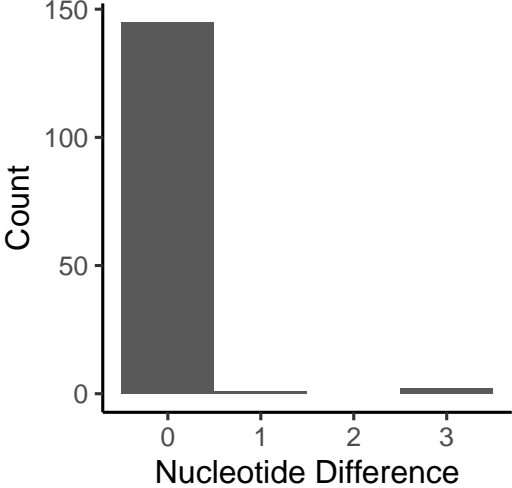
TRBV6-8\*ap01

166 sequences assigned  
163 (98.2%) exact matches, in which:  
161 unique CDR3  
14 unique J



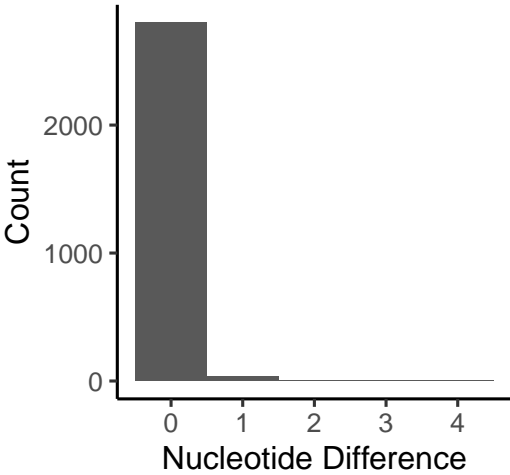
TRBV5-7\*ap01

148 sequences assigned  
145 (98%) exact matches, in which:  
143 unique CDR3  
14 unique J



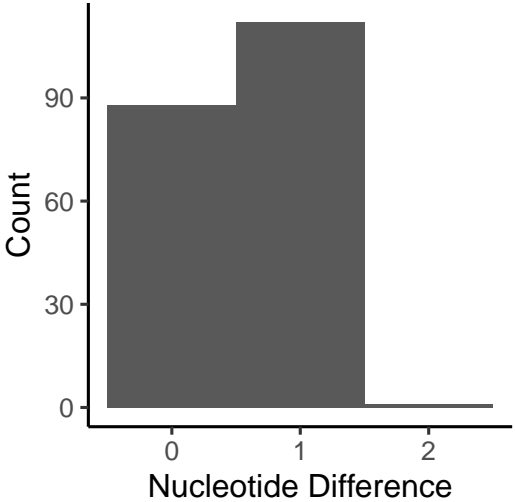
TRBV6-4\*ap01

2845 sequences assigned  
2800 (98.4%) exact matches, in which:  
2749 unique CDR3  
14 unique J



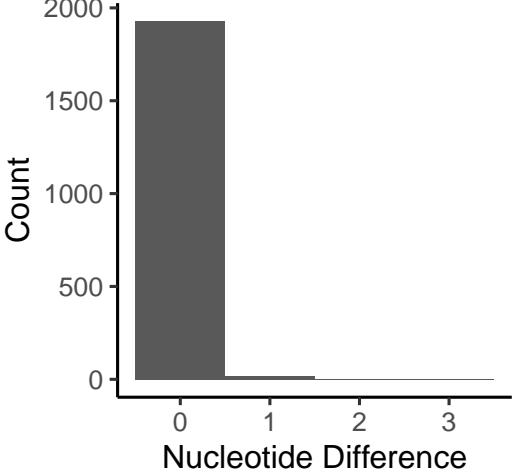
TRBV6-9\*ap01

201 sequences assigned  
88 (43.8%) exact matches, in which:  
86 unique CDR3  
11 unique J



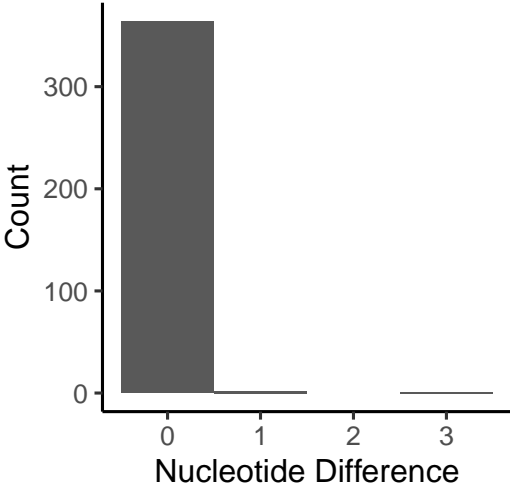
TRBV5-8\*ap01

1948 sequences assigned  
1929 (99%) exact matches, in which:  
1918 unique CDR3  
14 unique J



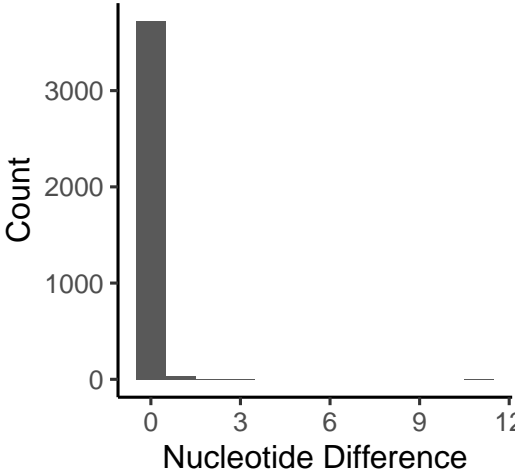
TRBV6-7\*ap01

367 sequences assigned  
364 (99.2%) exact matches, in which:  
360 unique CDR3  
14 unique J



TRBV6-23\*ap01

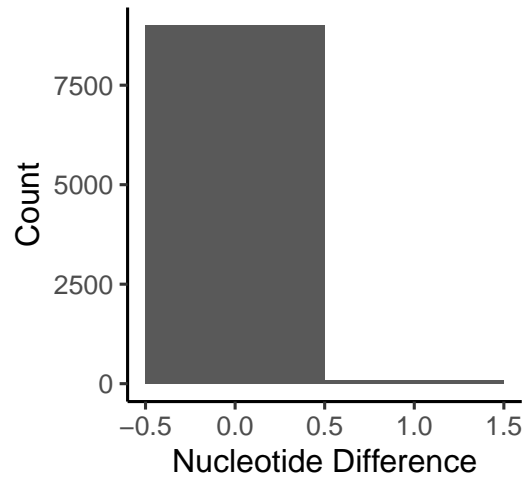
3762 sequences assigned  
3723 (99%) exact matches, in which:  
3638 unique CDR3  
14 unique J





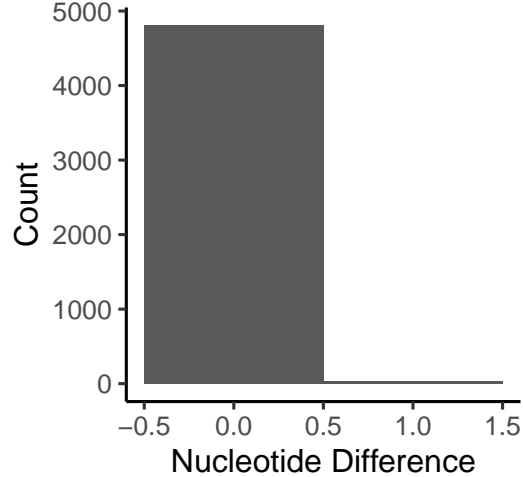
### TRBV6-56\*ap01

9099 sequences assigned  
9002 (98.9%) exact matches, in which:  
8857 unique CDR3  
14 unique J



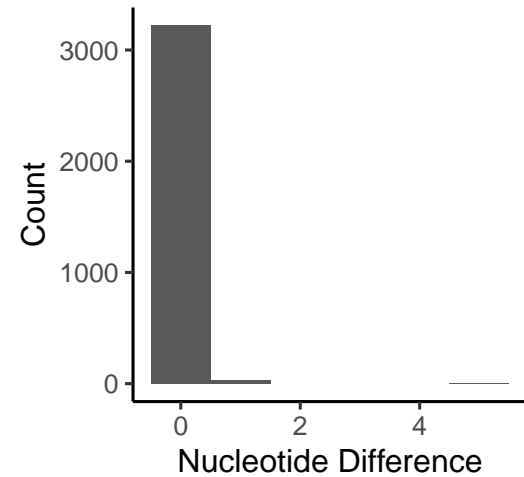
### TRBV7-2\*ap01

4840 sequences assigned  
4807 (99.3%) exact matches, in which:  
4771 unique CDR3  
14 unique J



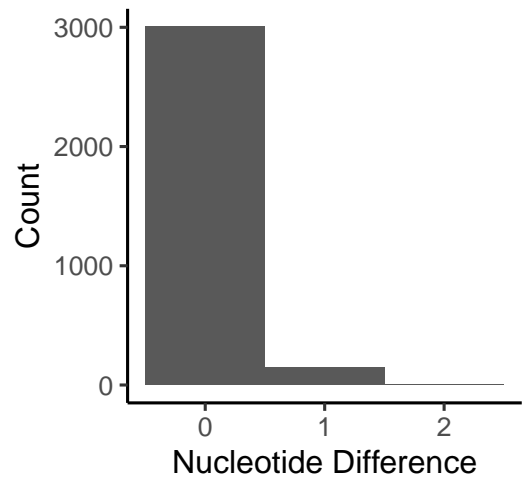
### TRBV7-6\*ap01

3250 sequences assigned  
3221 (99.1%) exact matches, in which:  
3182 unique CDR3  
14 unique J



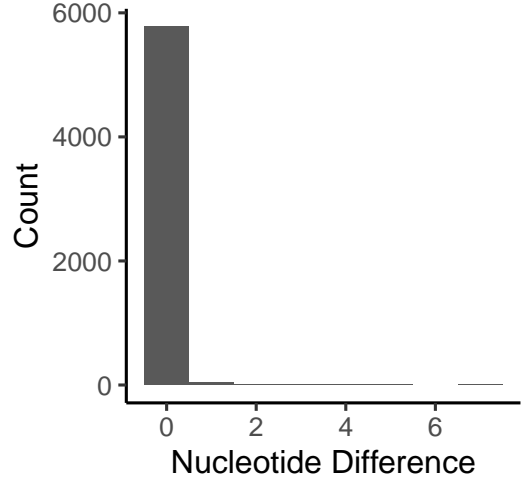
### TRBV6-56\*ap02

3149 sequences assigned  
3005 (95.4%) exact matches, in which:  
2948 unique CDR3  
14 unique J



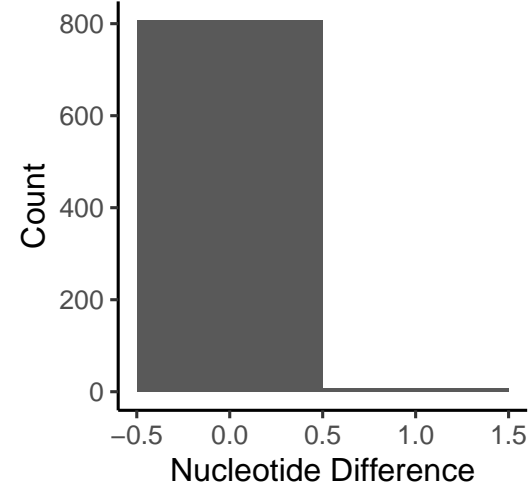
### TRBV7-3\*ap01

5826 sequences assigned  
5776 (99.1%) exact matches, in which:  
5729 unique CDR3  
14 unique J



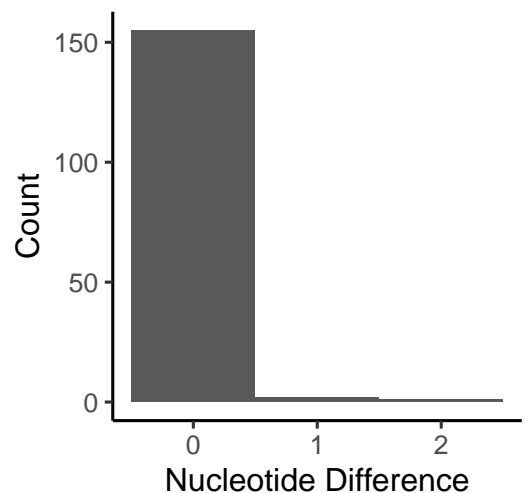
### TRBV7-7\*ap01

816 sequences assigned  
808 (99%) exact matches, in which:  
796 unique CDR3  
13 unique J



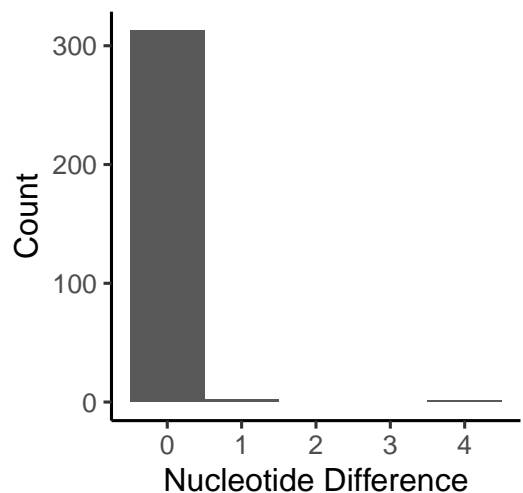
### TRBV7-1\*ap01\_G291C\_

158 sequences assigned  
155 (98.1%) exact matches, in which:  
151 unique CDR3  
14 unique J



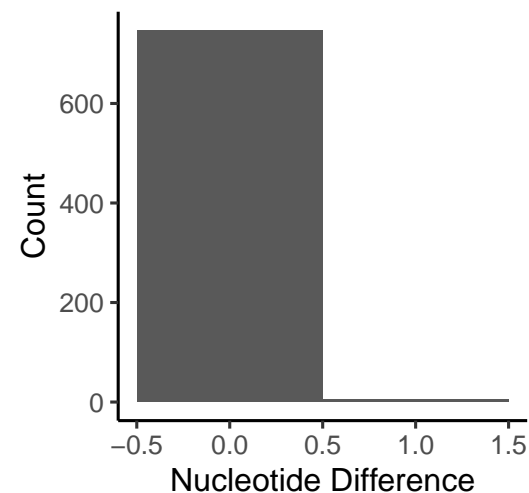
### TRBV7-4\*ap01

316 sequences assigned  
313 (99.1%) exact matches, in which:  
311 unique CDR3  
14 unique J



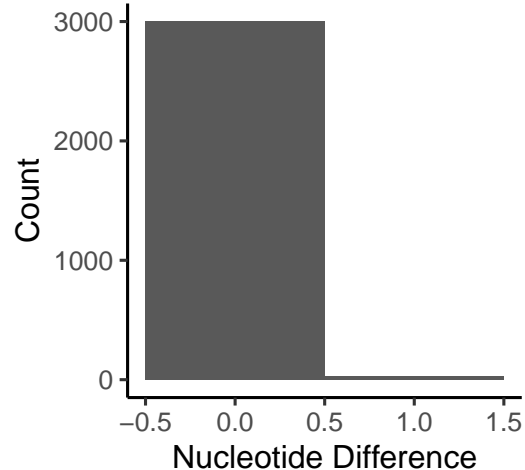
### TRBV7-7\*ap01\_C315T

752 sequences assigned  
747 (99.3%) exact matches, in which:  
738 unique CDR3  
14 unique J



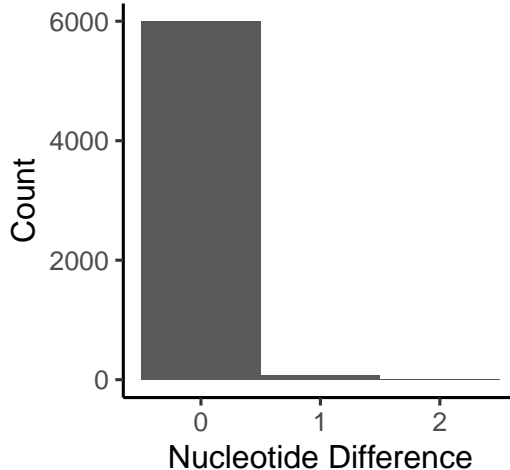
### TRBV7-8\*ap01

3030 sequences assigned  
3001 (99%) exact matches, in which:  
2954 unique CDR3  
14 unique J



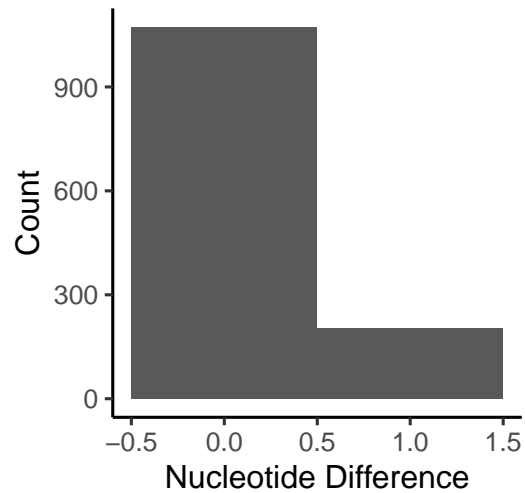
### TRBV29-1\*ap01

6073 sequences assigned  
5997 (98.7%) exact matches, in which:  
5926 unique CDR3  
14 unique J



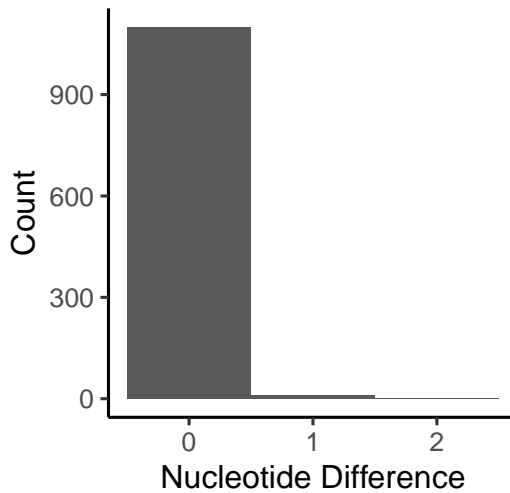
### TRBV7-8\*ap03

1276 sequences assigned  
1073 (84.1%) exact matches, in which:  
1059 unique CDR3  
14 unique J



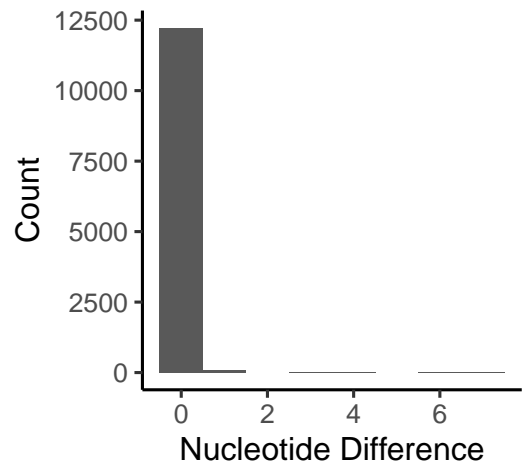
### TRBV29-1\*ap02

1112 sequences assigned  
1100 (98.9%) exact matches, in which:  
1091 unique CDR3  
14 unique J

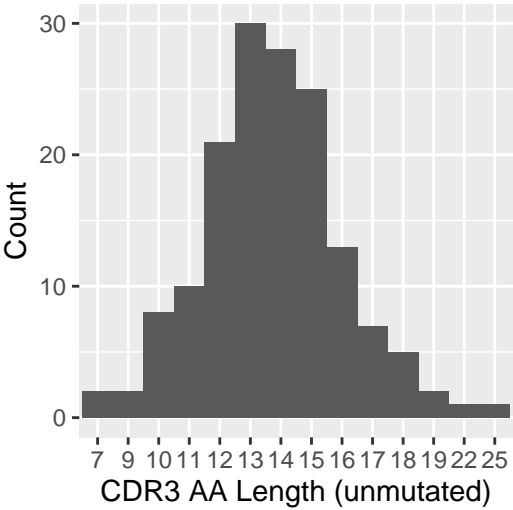


### TRBV7-9\*ap01

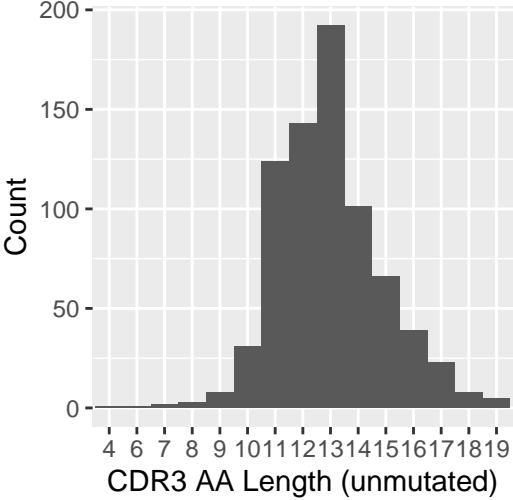
12325 sequences assigned  
12229 (99.2%) exact matches, in which:  
12117 unique CDR3  
14 unique J



TRBV7-1\*ap01\_G291C\_T296C

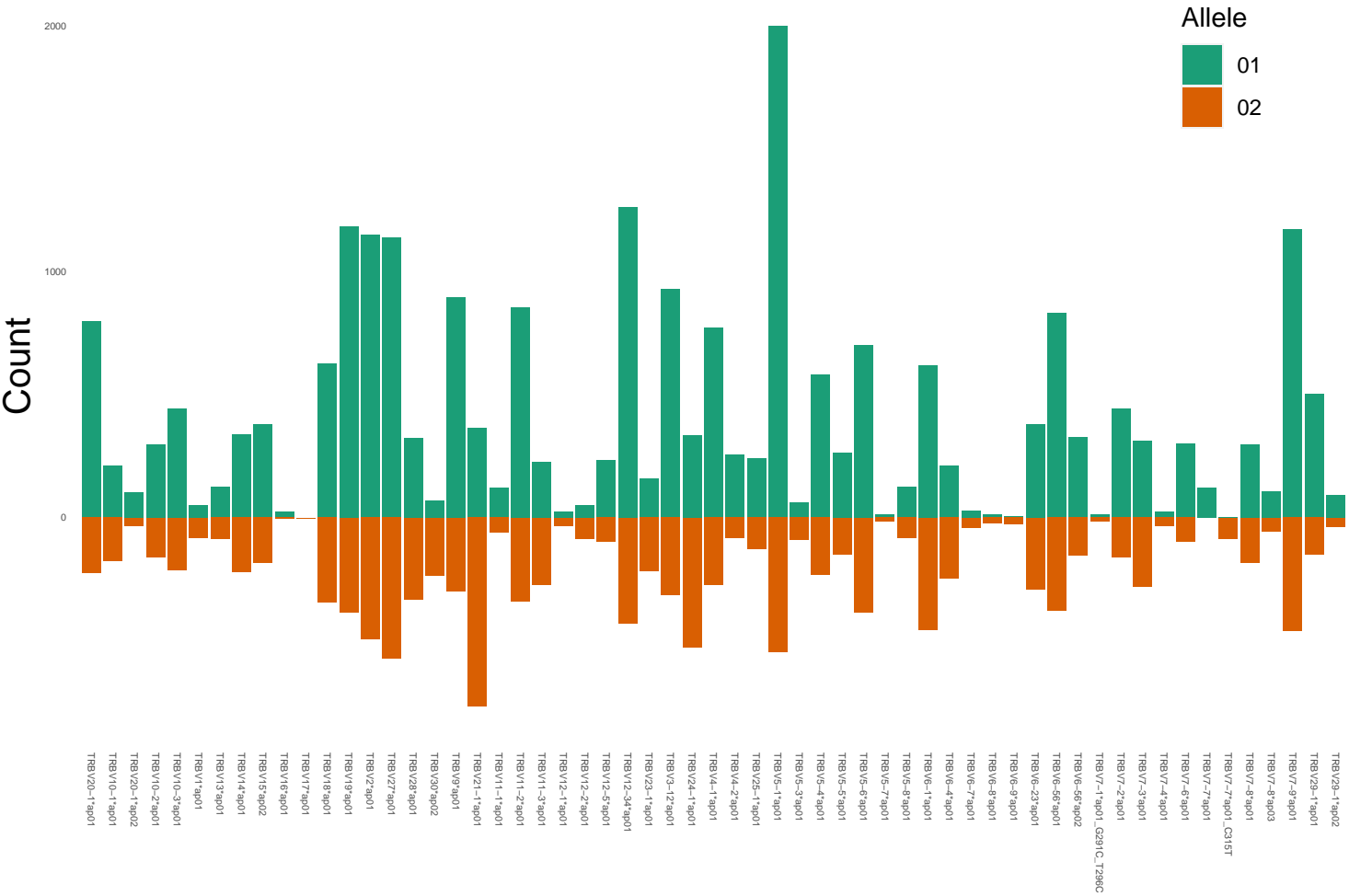


TRBV7-7\*ap01\_C315T





Sequence Count by TRBJ2–7 allele usage



Warning – no inferred sequences found.