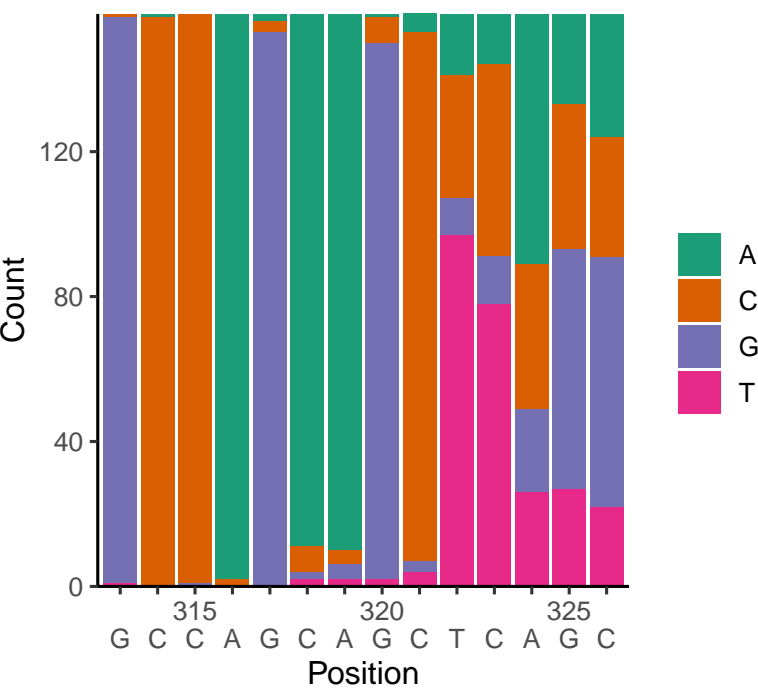
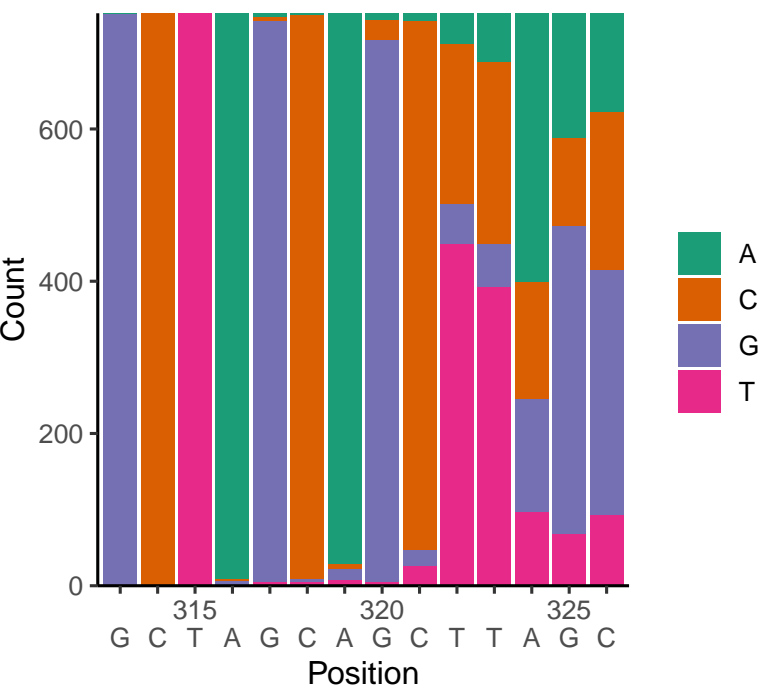


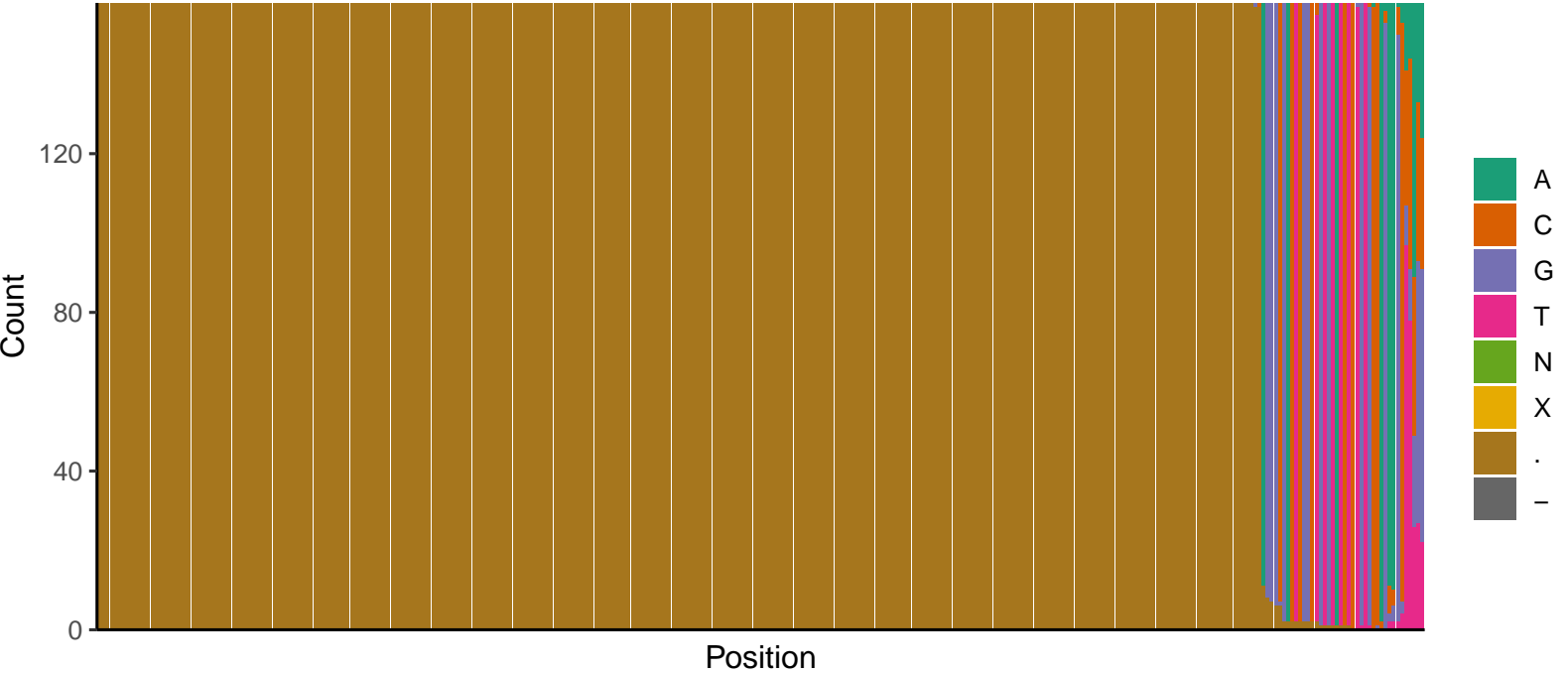
Gene TRBV7-1*ap01_G291C_T296C



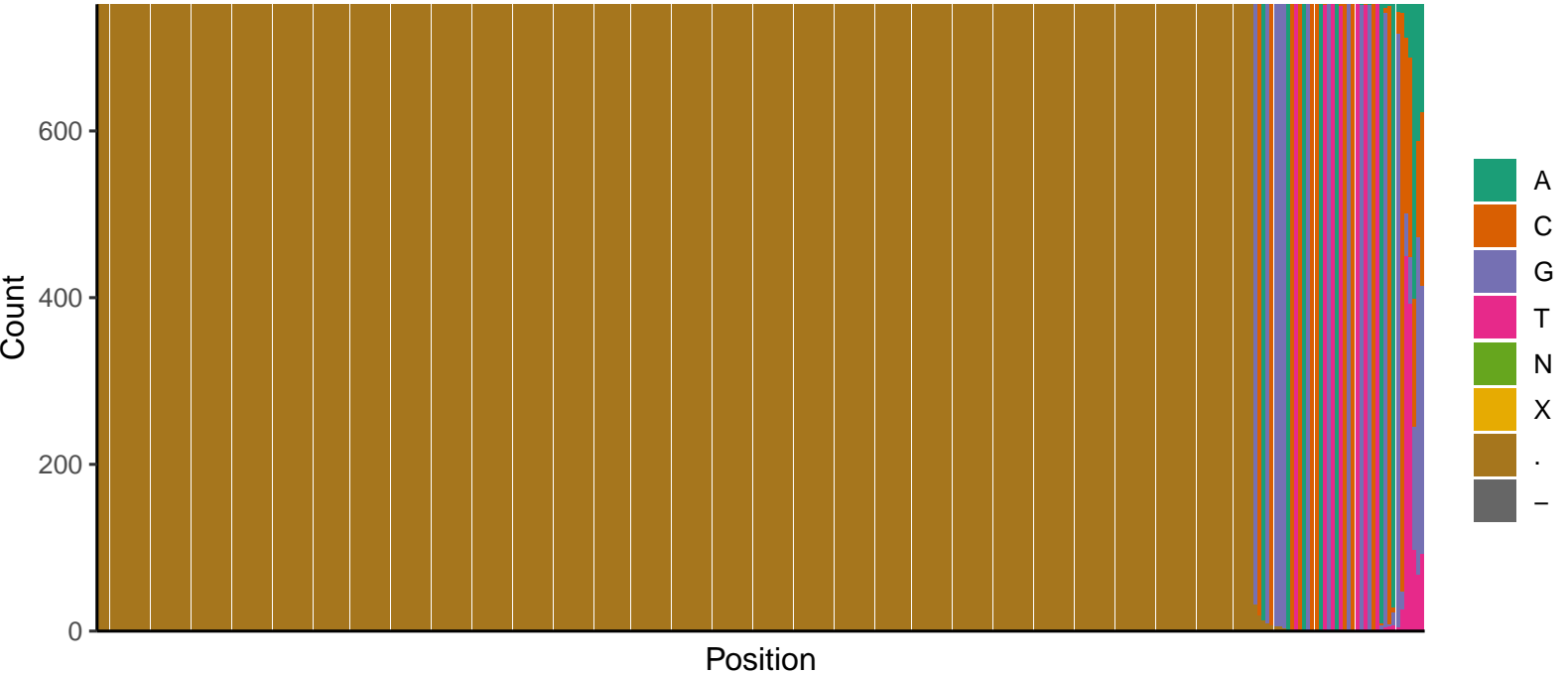
Gene TRBV7-7*ap01_C315T



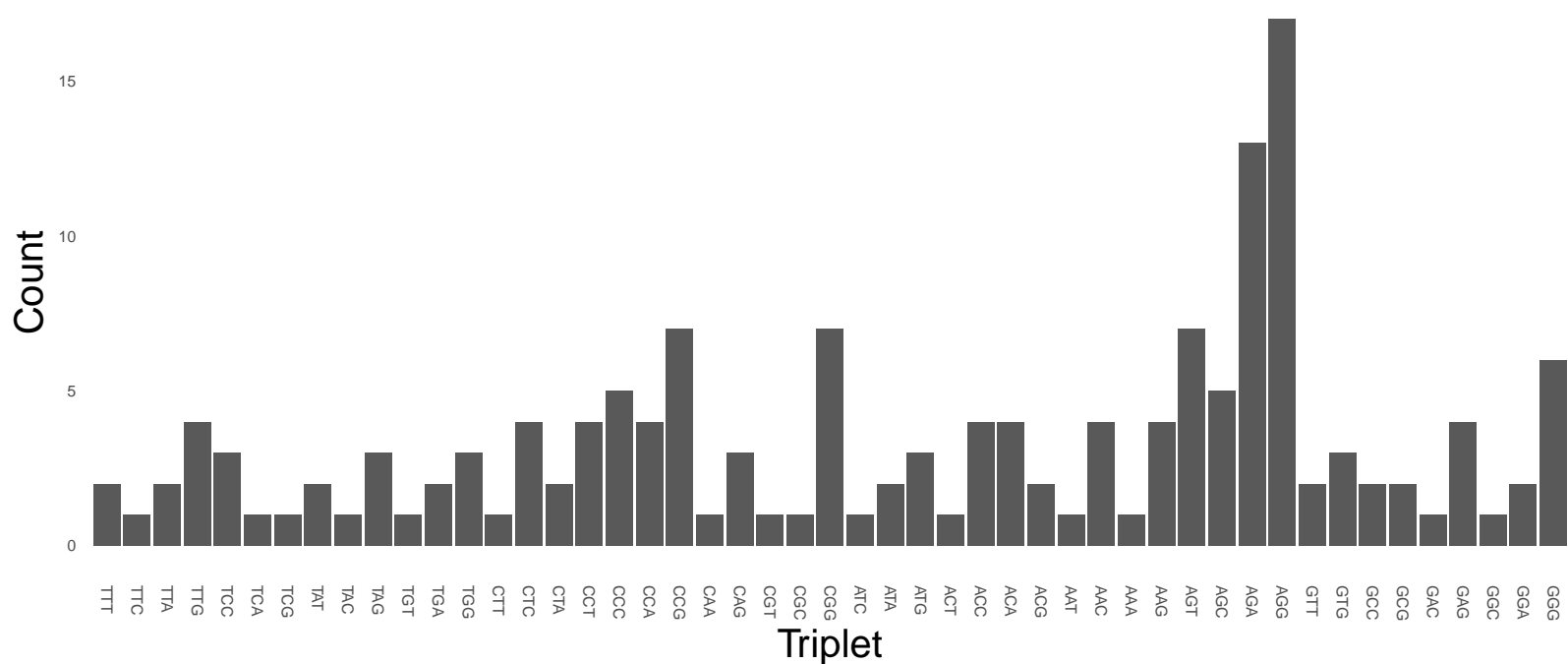
Gene TRBV7-1*ap01_G291C_T296C



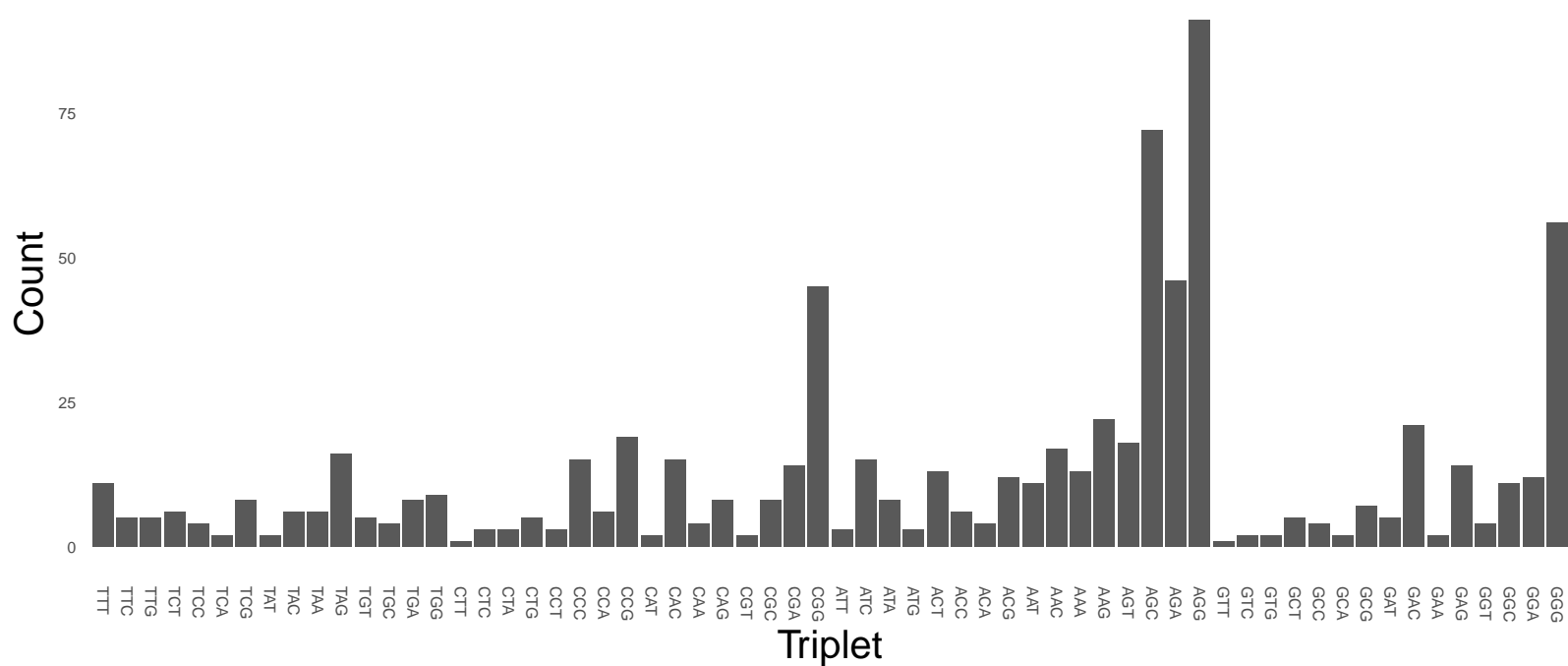
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

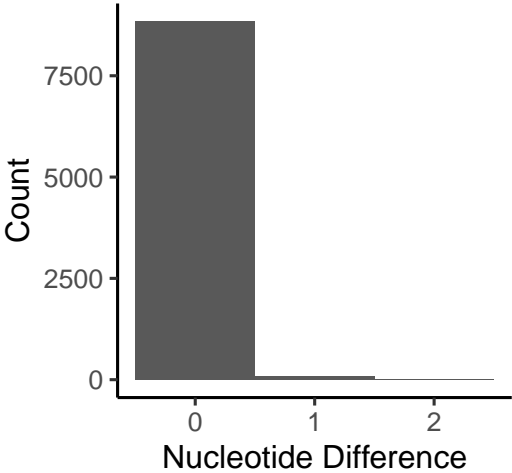


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



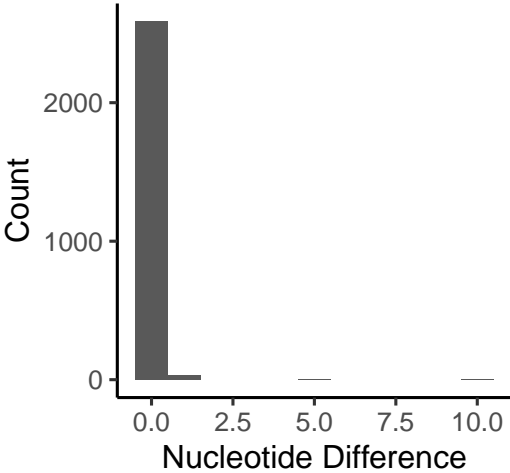
TRBV20-1*ap01

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



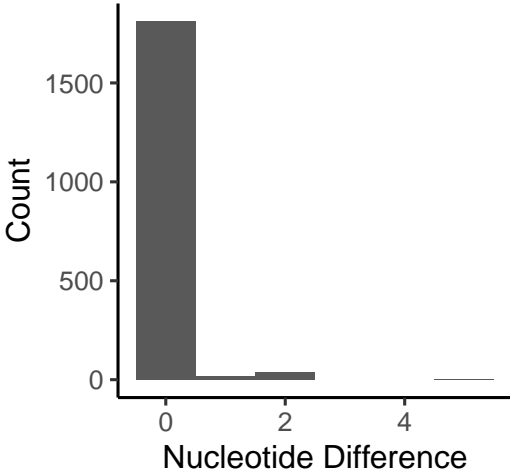
TRBV10-2*ap01

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



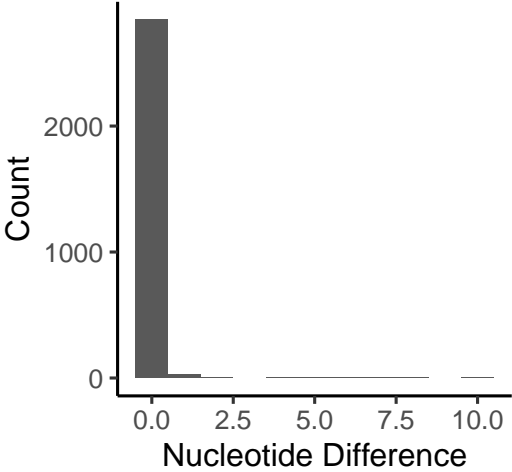
TRBV13*ap01

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



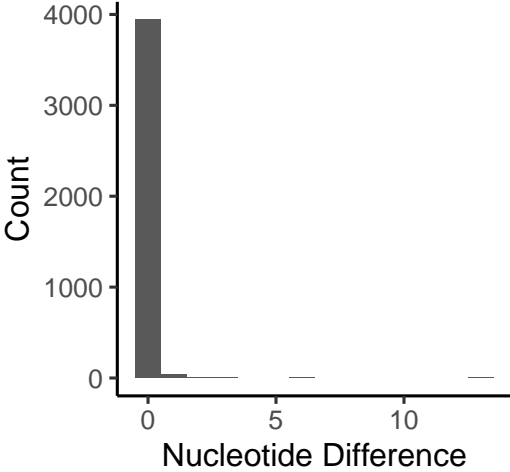
TRBV10-1*ap01

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



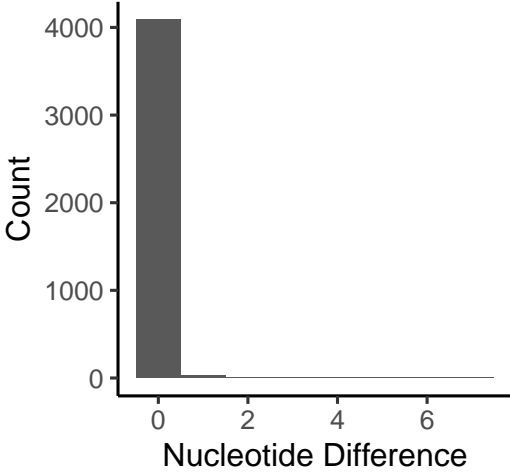
TRBV10-3*ap01

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



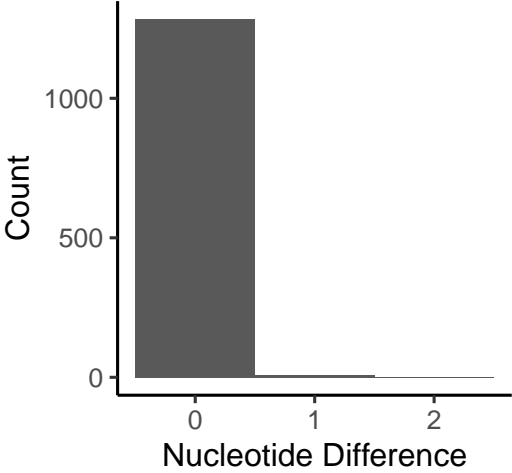
TRBV14*ap01

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



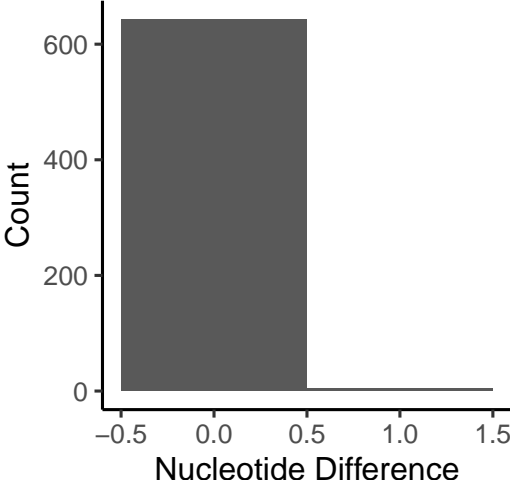
TRBV20-1*ap02

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



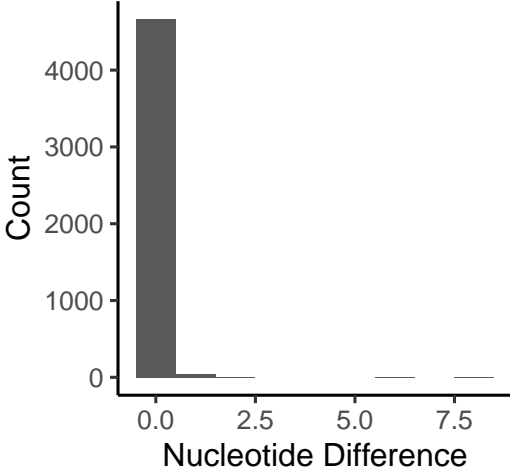
TRBV1*ap01

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



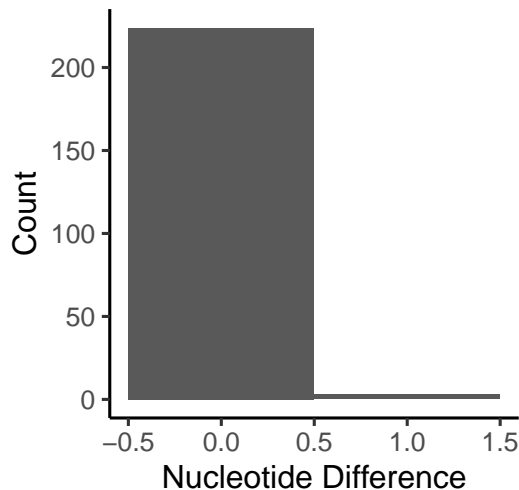
TRBV15*ap02

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



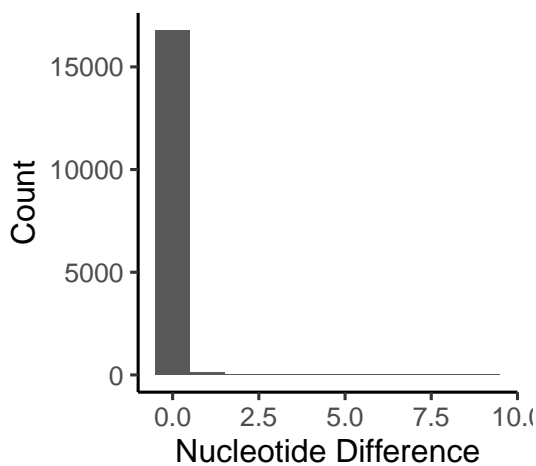
TRBV16*ap01

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



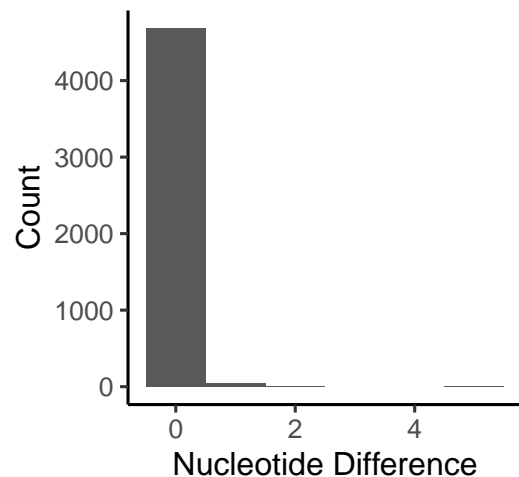
TRBV19*ap01

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



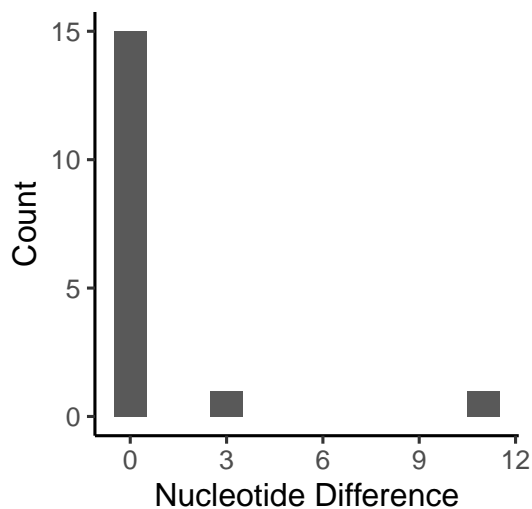
TRBV28*ap01

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



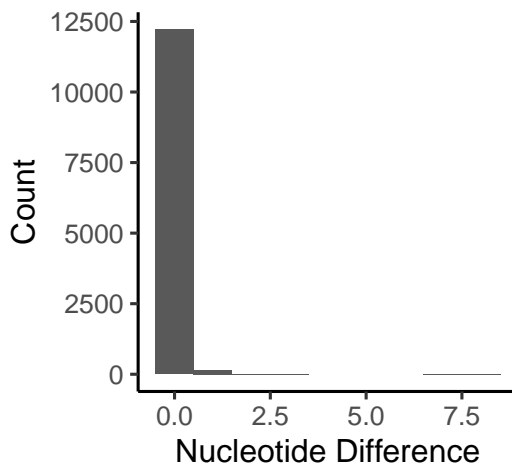
TRBV17*ap01

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



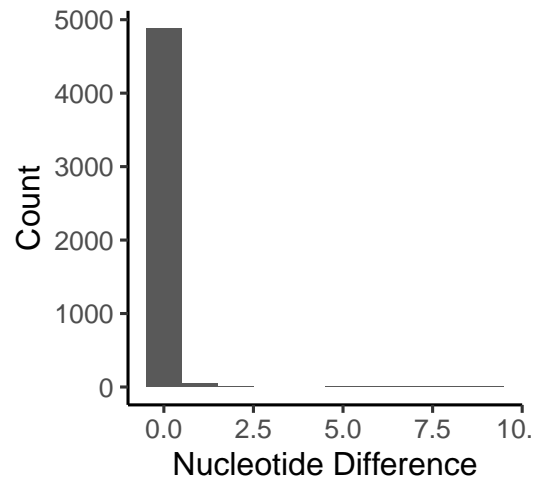
TRBV2*ap01

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



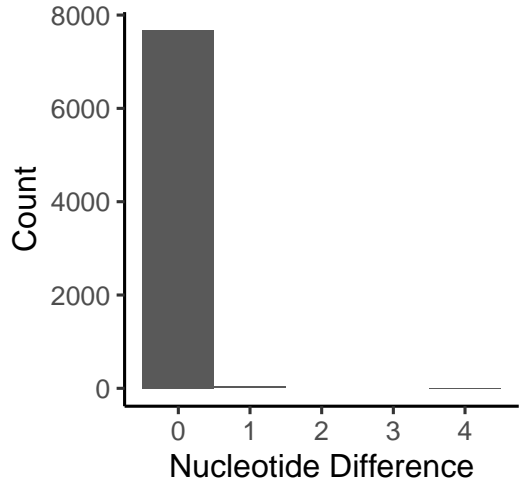
TRBV30*ap02

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



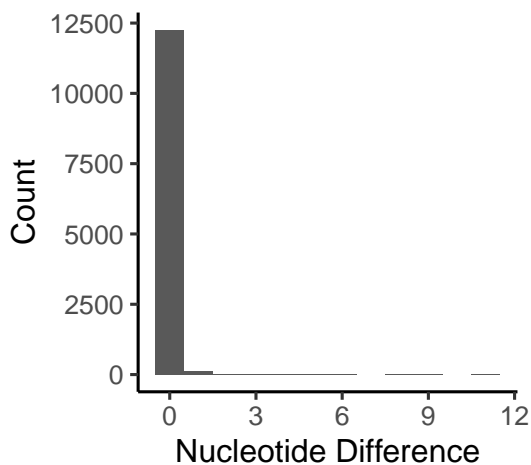
TRBV18*ap01

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



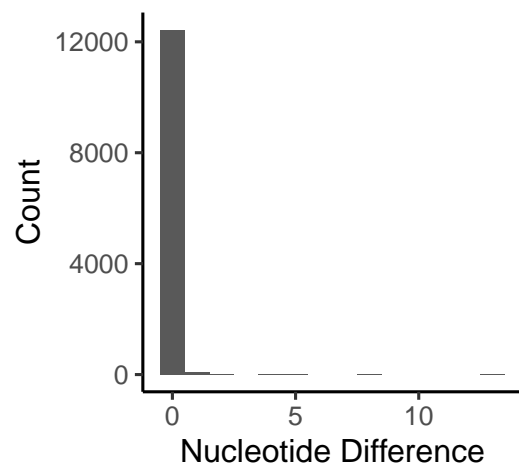
TRBV27*ap01

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



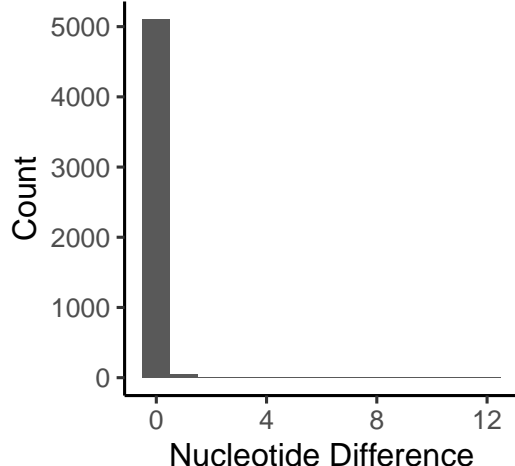
TRBV9*ap01

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



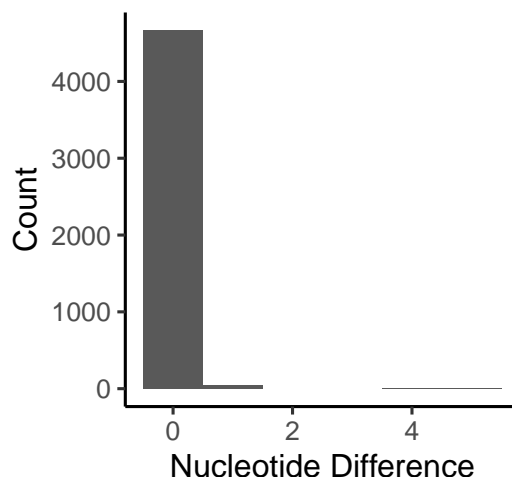
TRBV21-1*ap01

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



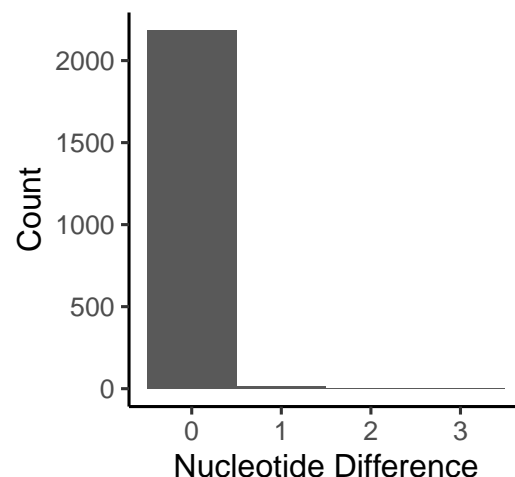
TRBV11-3*ap01

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



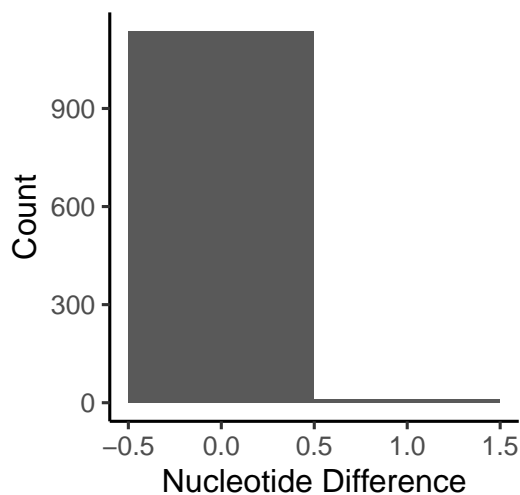
TRBV12-5*ap01

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



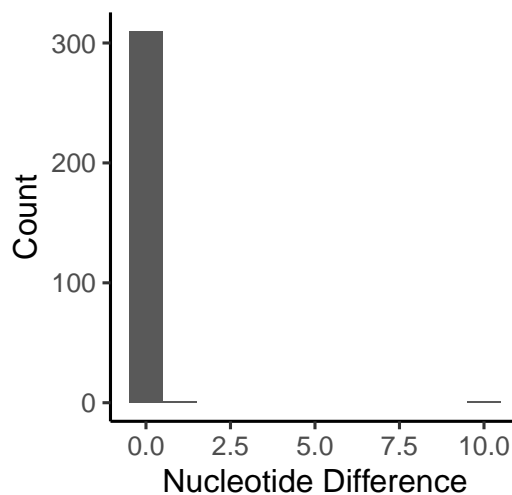
TRBV11-1*ap01

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



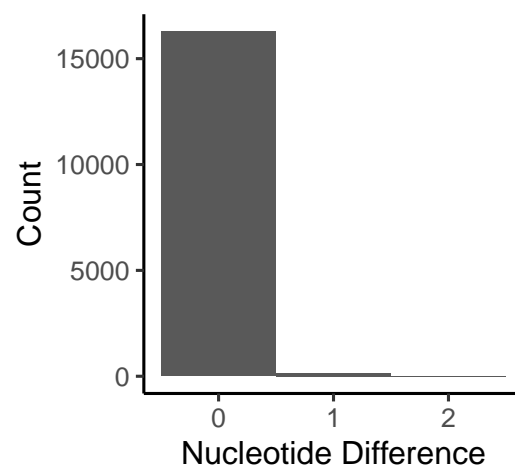
TRBV12-1*ap01

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



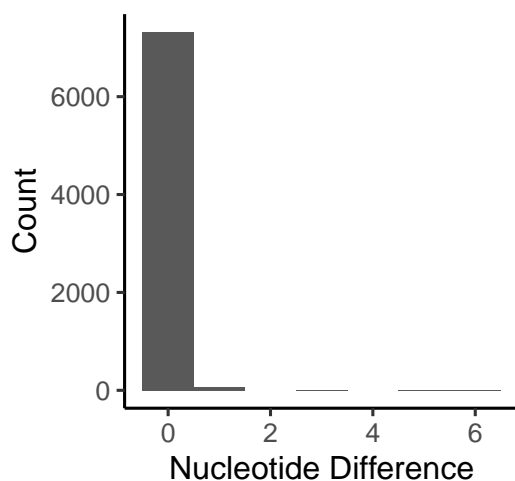
TRBV12-34*ap01

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



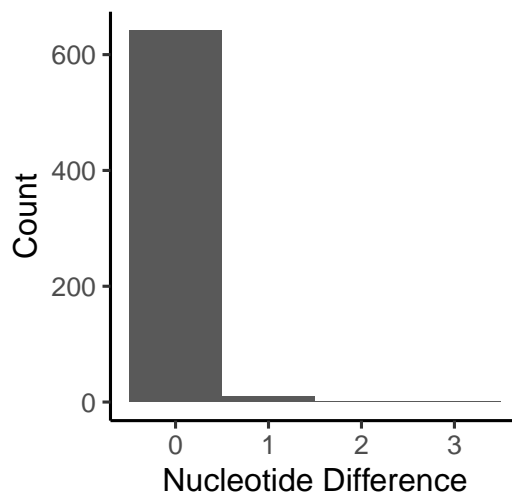
TRBV11-2*ap01

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



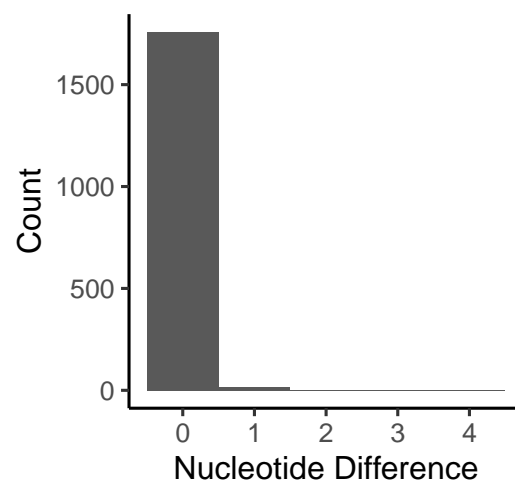
TRBV12-2*ap01

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



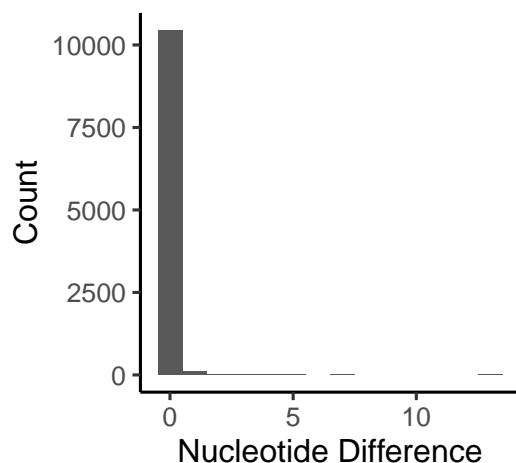
TRBV23-1*ap01

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



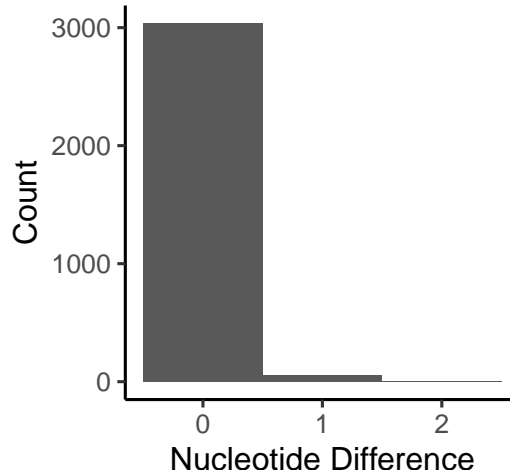
TRBV3–12*ap01

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



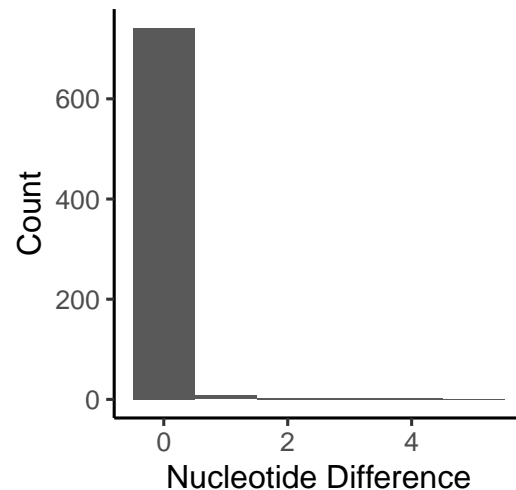
TRBV4–2*ap01

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



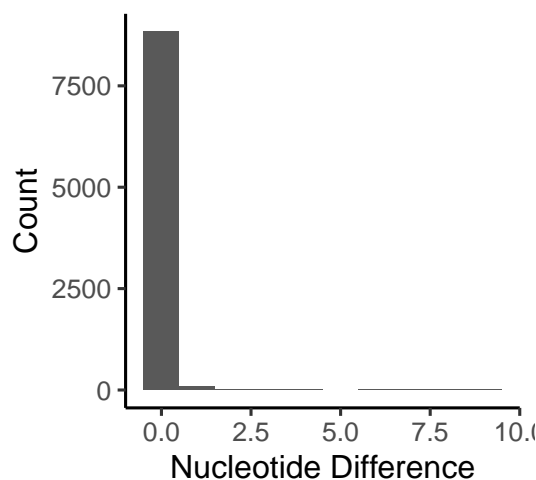
TRBV5–3*ap01

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



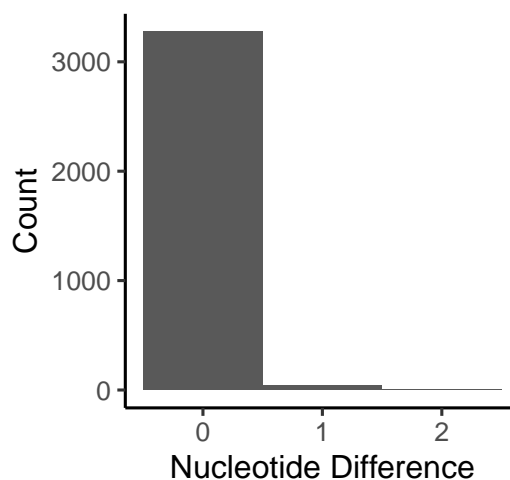
TRBV24–1*ap01

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



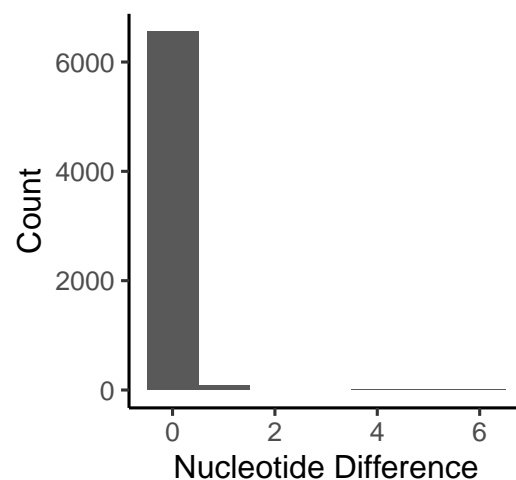
TRBV25–1*ap01

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



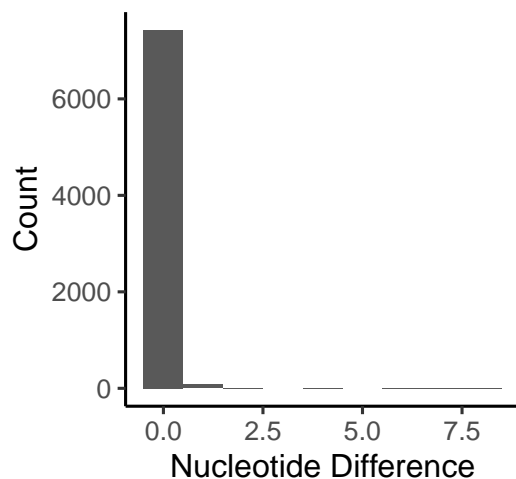
TRBV5–4*ap01

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



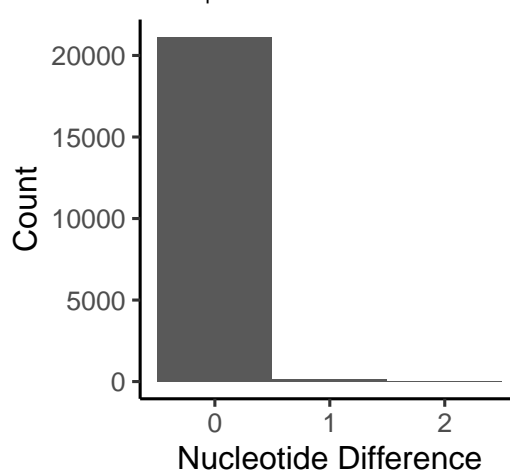
TRBV4–1*ap01

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



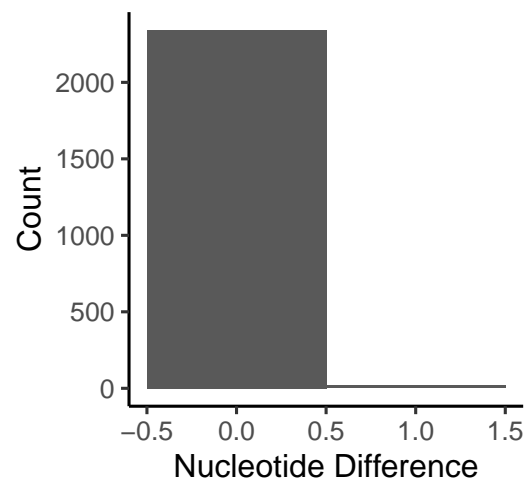
TRBV5–1*ap01

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



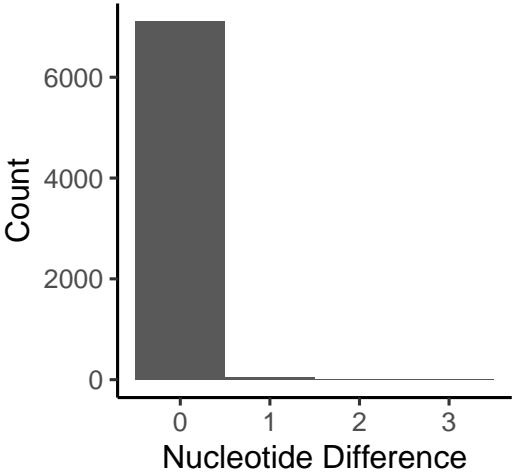
TRBV5–5*ap01

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



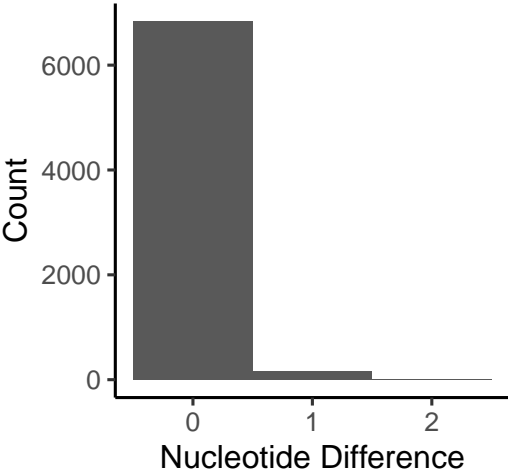
TRBV5-6*ap01

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



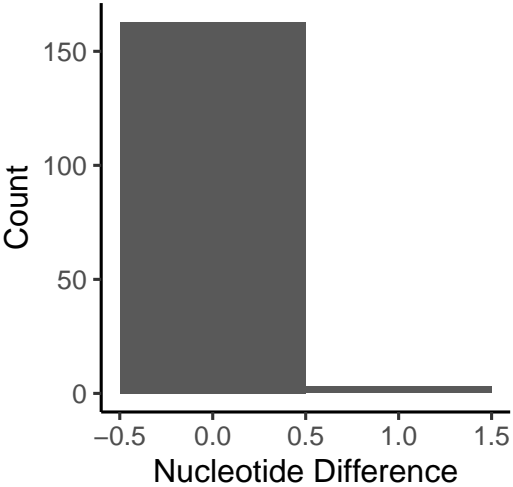
TRBV6-1*ap01

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



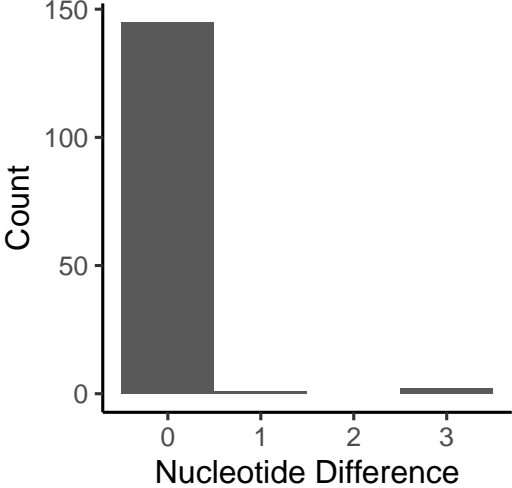
TRBV6-8*ap01

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



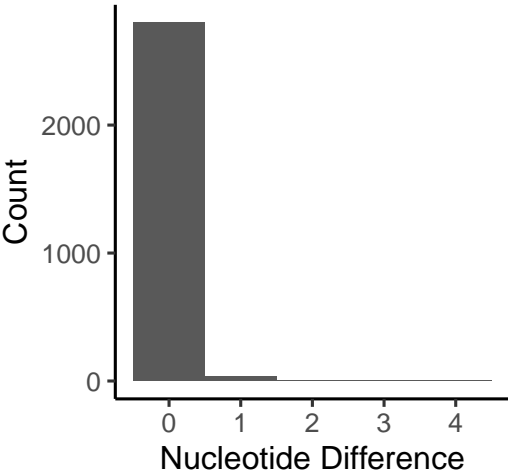
TRBV5-7*ap01

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



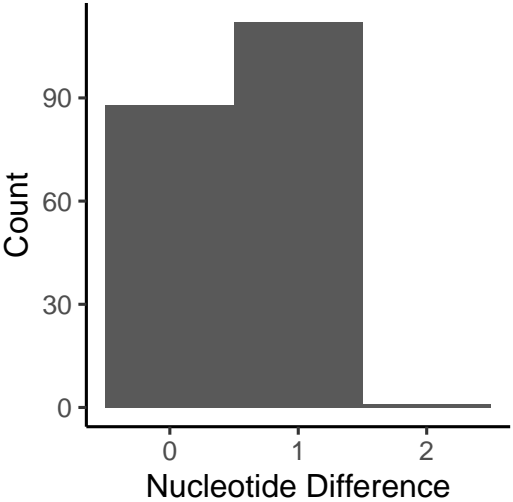
TRBV6-4*ap01

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



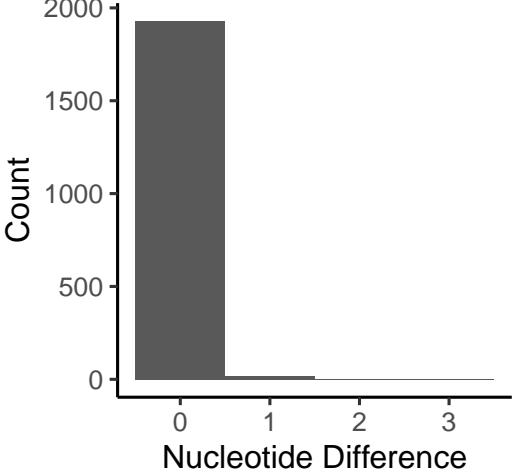
TRBV6-9*ap01

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



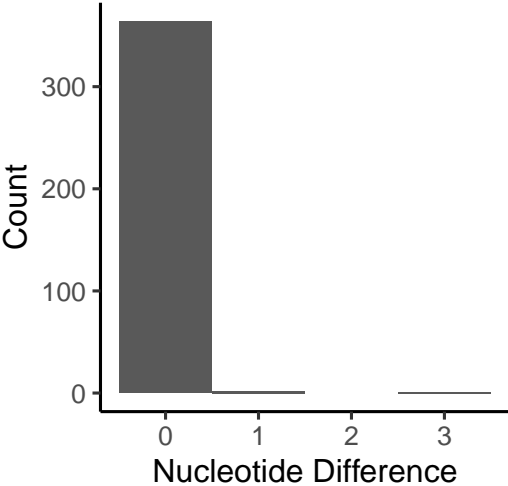
TRBV5-8*ap01

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



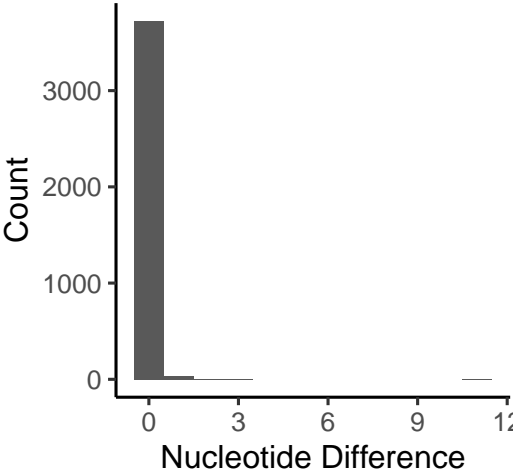
TRBV6-7*ap01

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



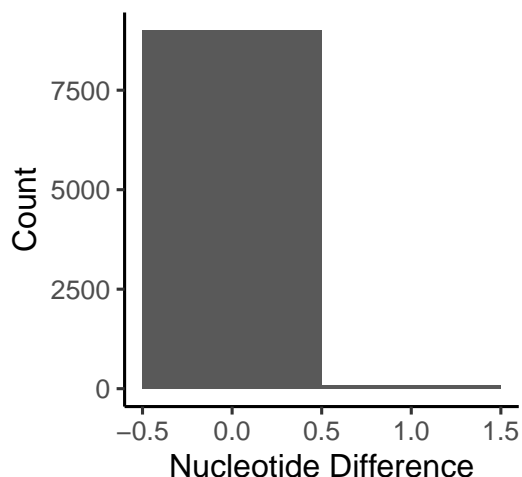
TRBV6-23*ap01

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



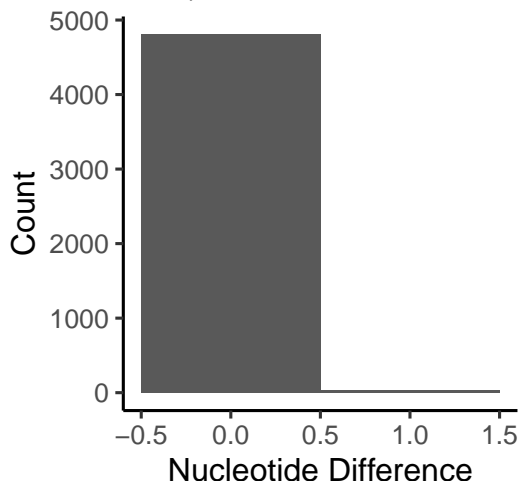
TRBV6-56*ap01

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



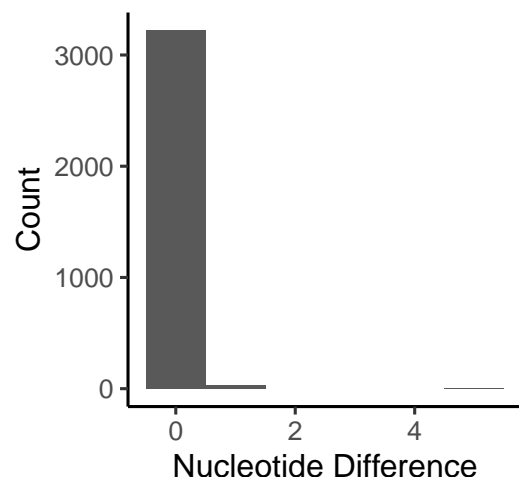
TRBV7-2*ap01

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



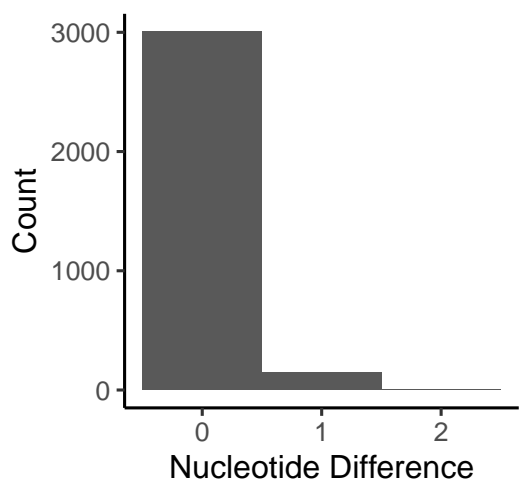
TRBV7-6*ap01

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



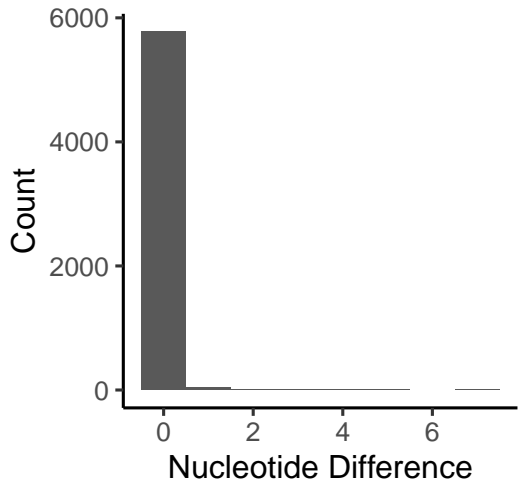
TRBV6-56*ap02

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



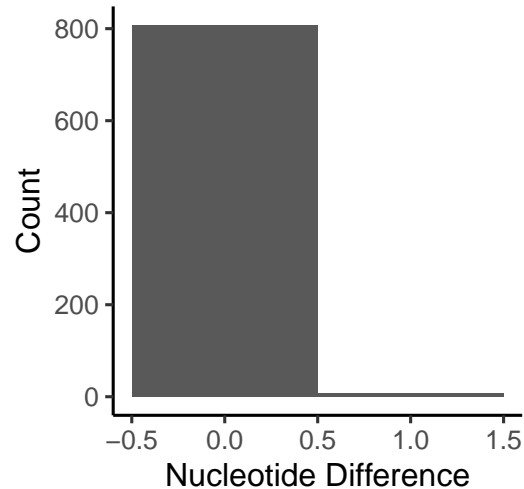
TRBV7-3*ap01

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



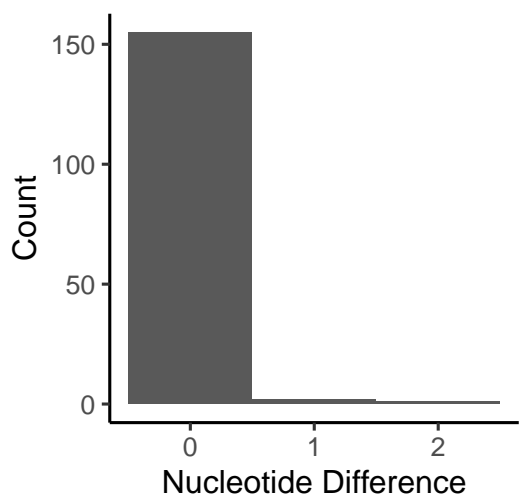
TRBV7-7*ap01

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



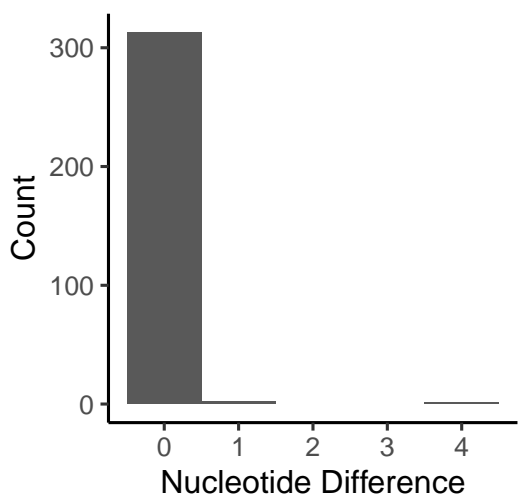
TRBV7-1*ap01_G291C_

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



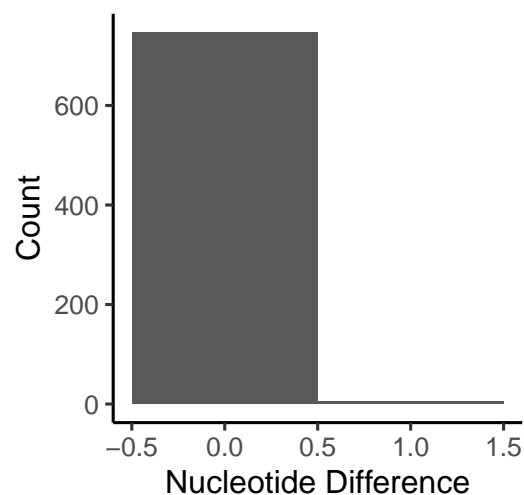
TRBV7-4*ap01

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



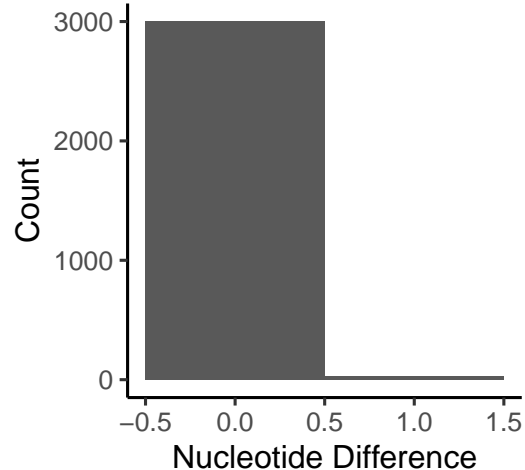
TRBV7-7*ap01_C315T

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



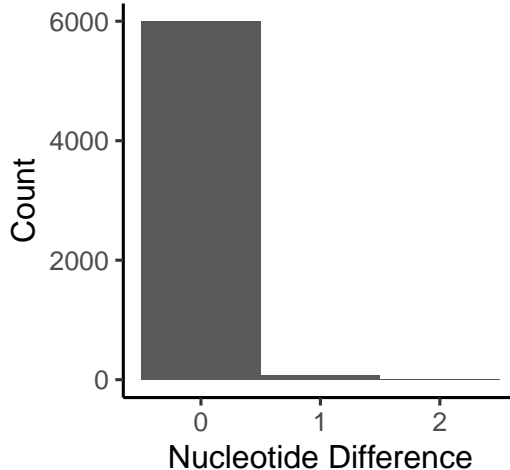
TRBV7-8*ap01

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



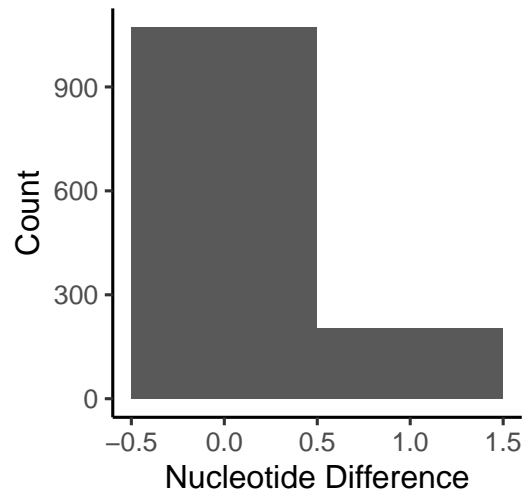
TRBV29-1*ap01

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



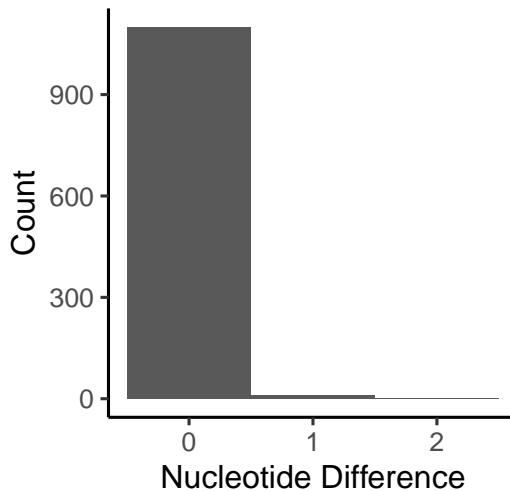
TRBV7-8*ap03

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



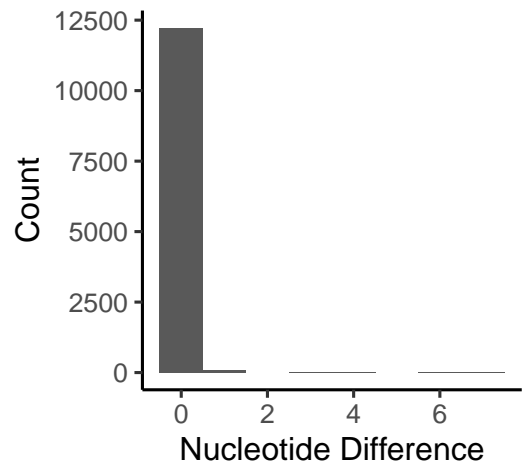
TRBV29-1*ap02

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

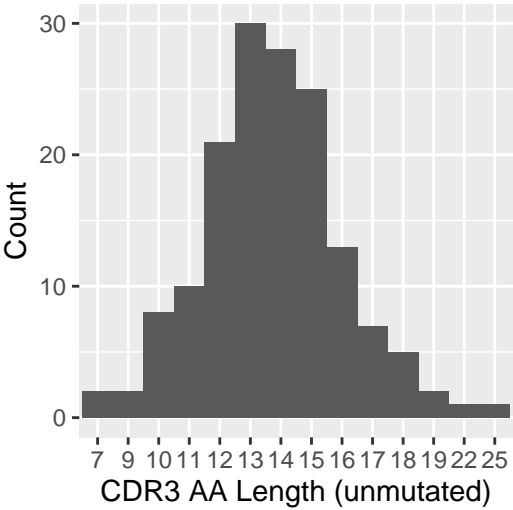


TRBV7-9*ap01

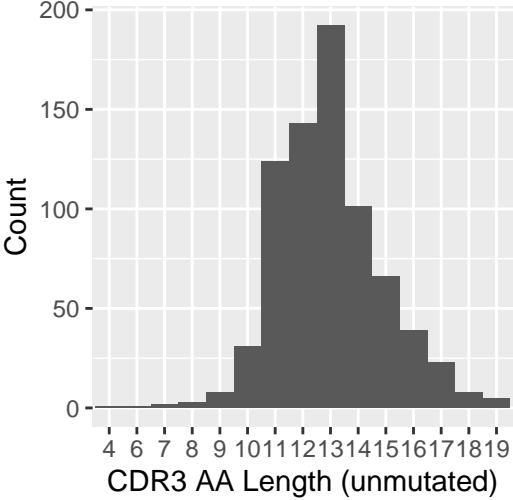
12325 sequences assigned
12229 (99.2%) exact matches, in which:
12117 unique CDR3
14 unique J



TRBV7-1*ap01_G291C_T296C

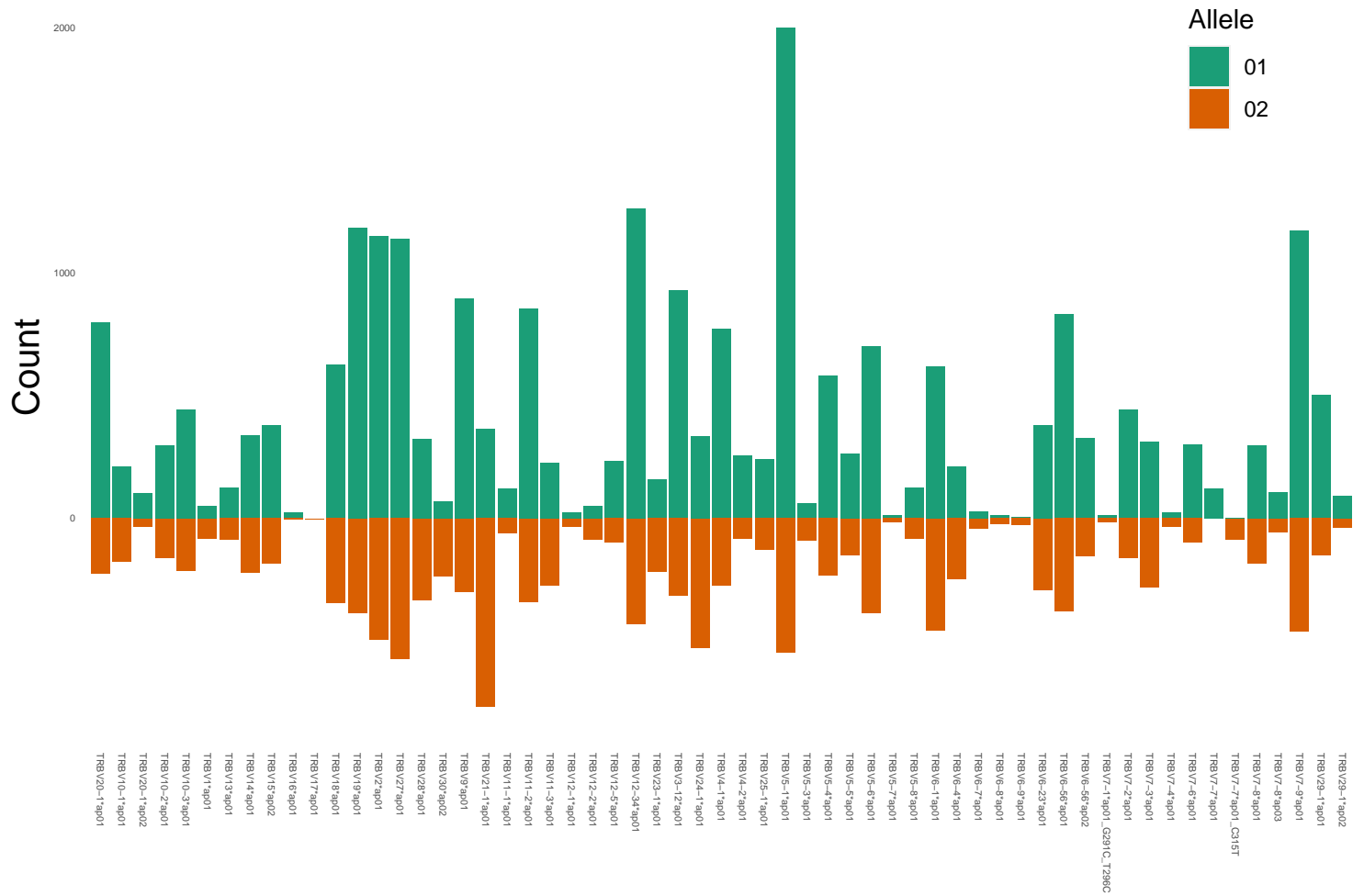


TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage



[illegible]