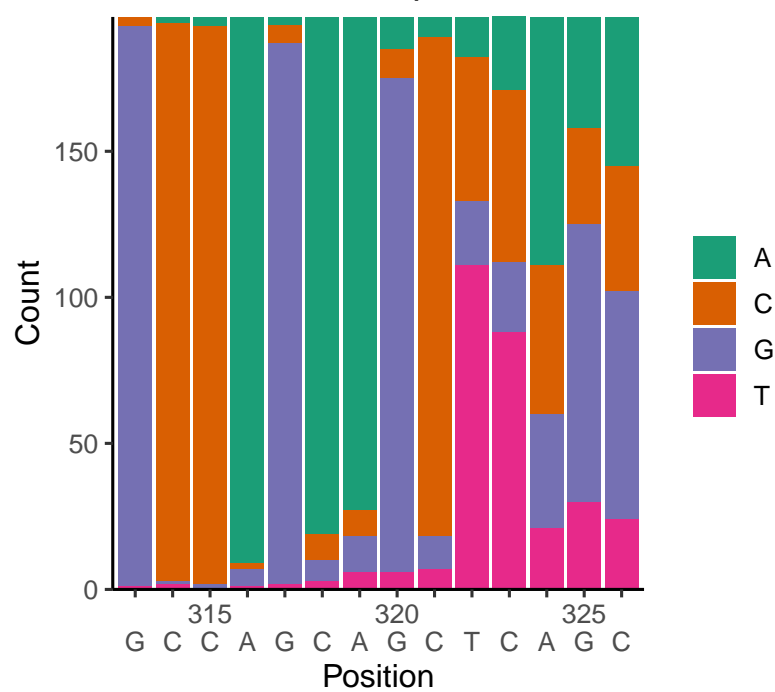
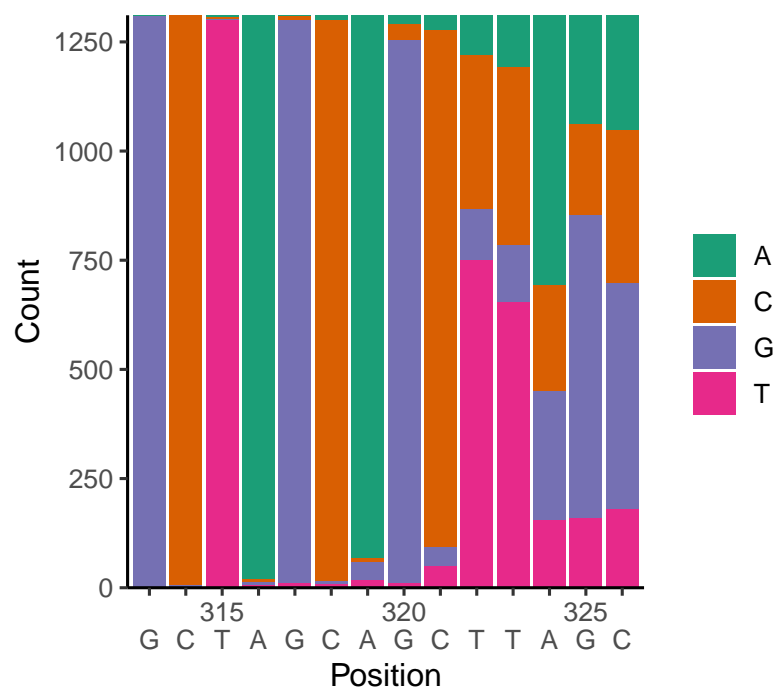


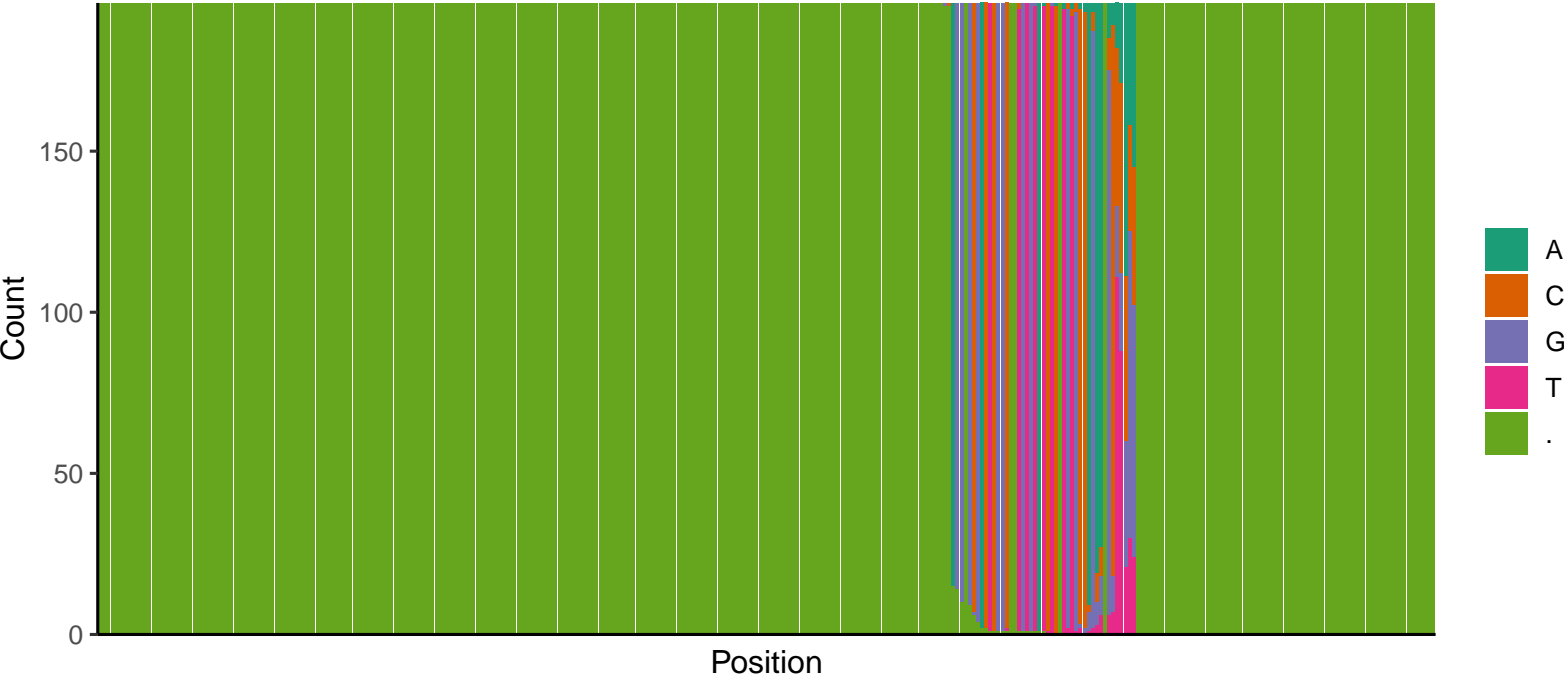
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



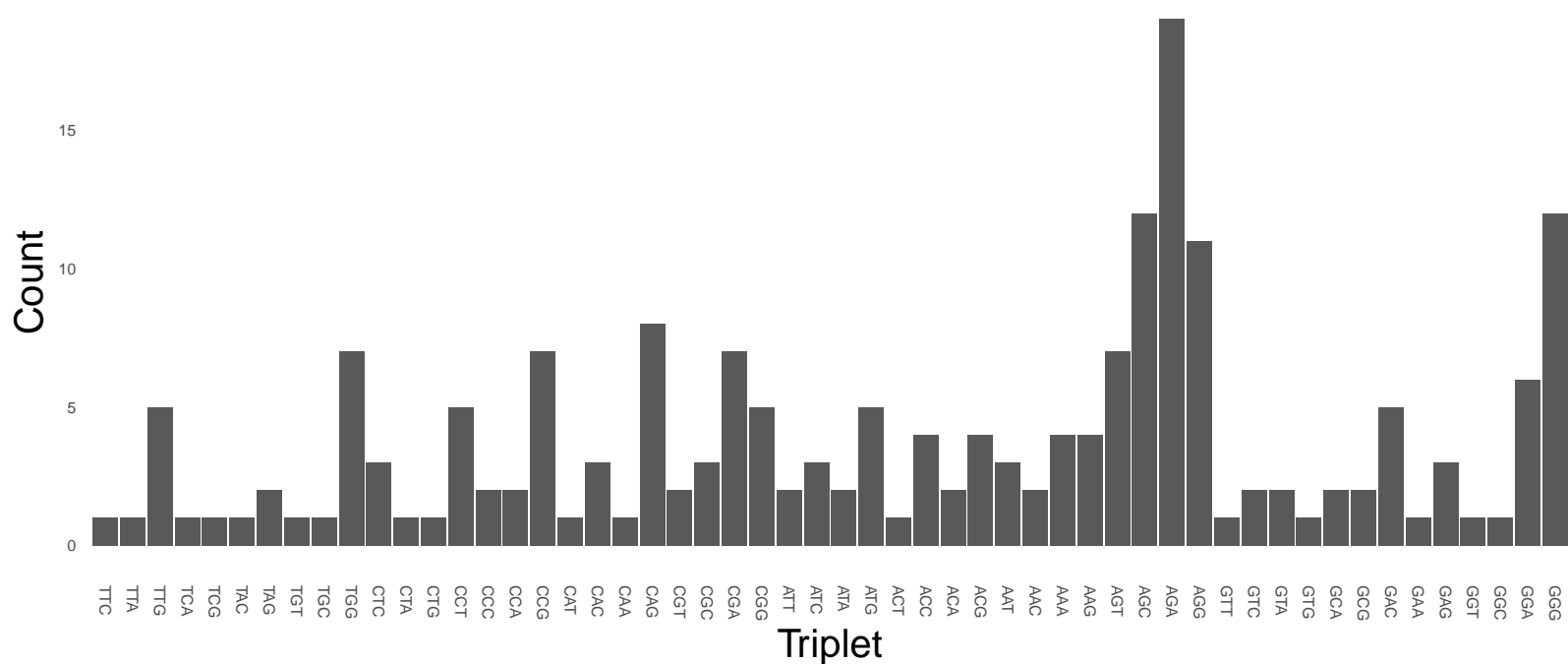
Gene TRBV7-1*ap01_G291C_T296C



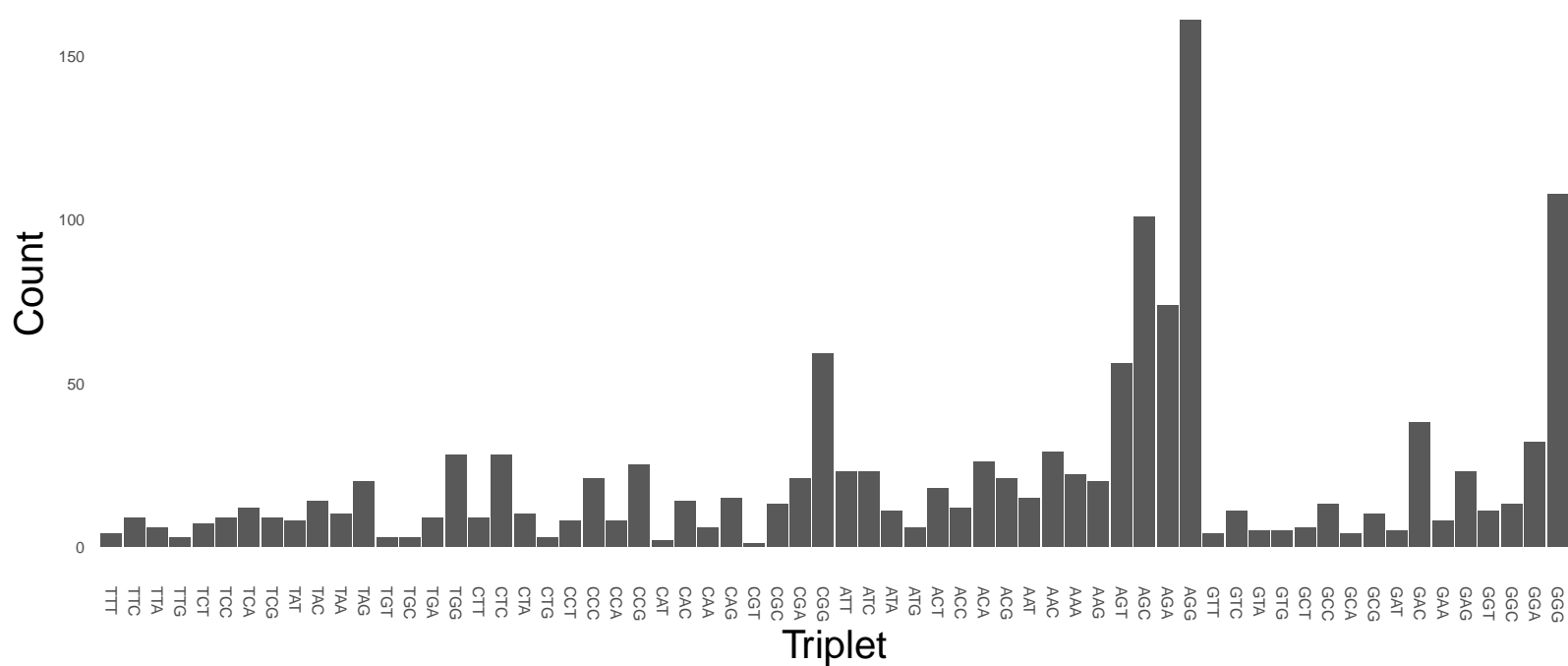
Gene TRBV7-7*ap01_C315T



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

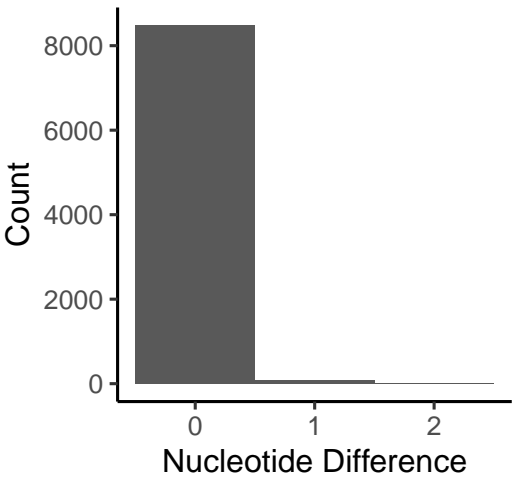


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



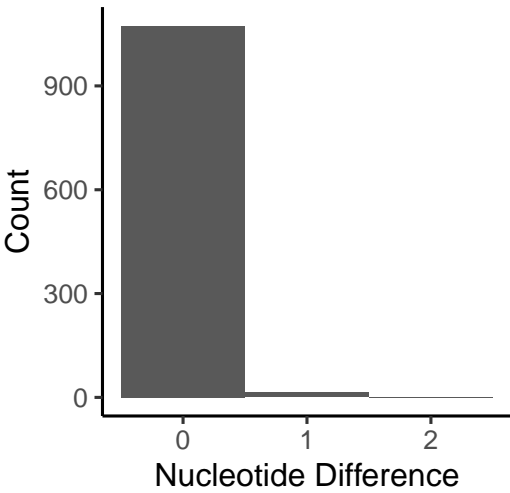
TRBV20-1*ap01

8572 sequences assigned
8480 (98.9%) exact matches, in which:
8321 unique CDR3
14 unique J



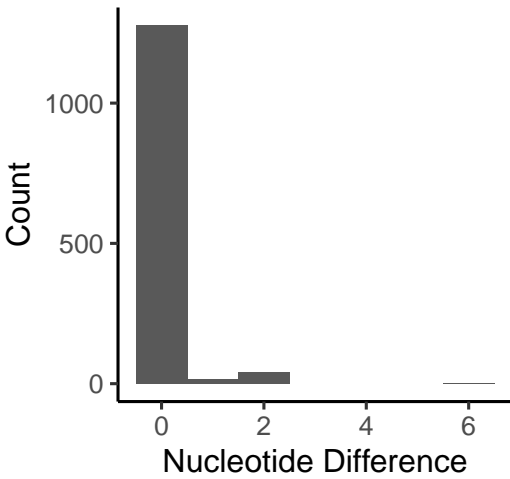
TRBV10-2*ap01

1090 sequences assigned
1074 (98.5%) exact matches, in which:
1038 unique CDR3
14 unique J



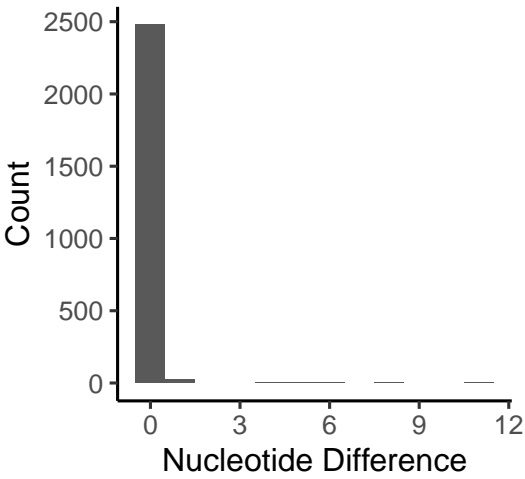
TRBV13*ap01

1335 sequences assigned
1277 (95.7%) exact matches, in which:
1249 unique CDR3
14 unique J



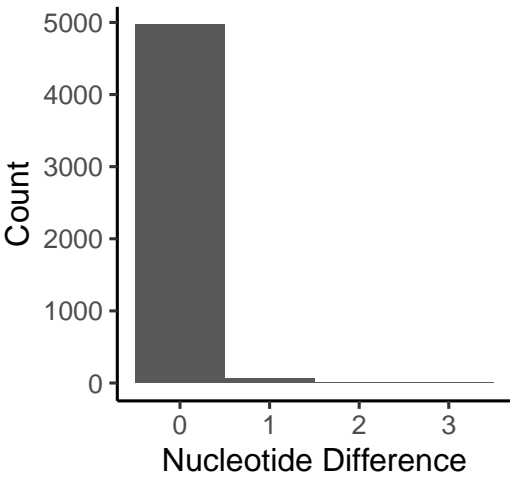
TRBV10-1*ap01

2515 sequences assigned
2479 (98.6%) exact matches, in which:
2425 unique CDR3
14 unique J



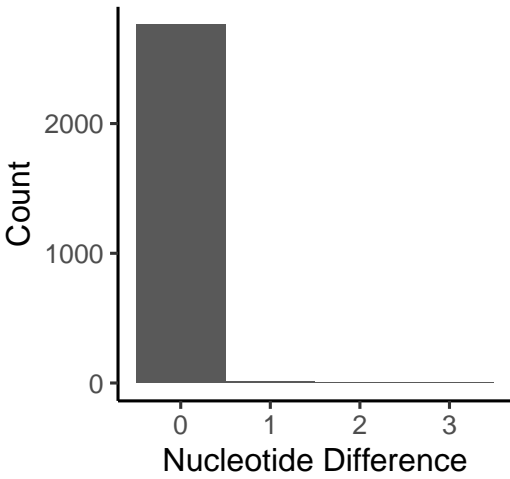
TRBV10-3*ap01

5034 sequences assigned
4968 (98.7%) exact matches, in which:
4880 unique CDR3
14 unique J



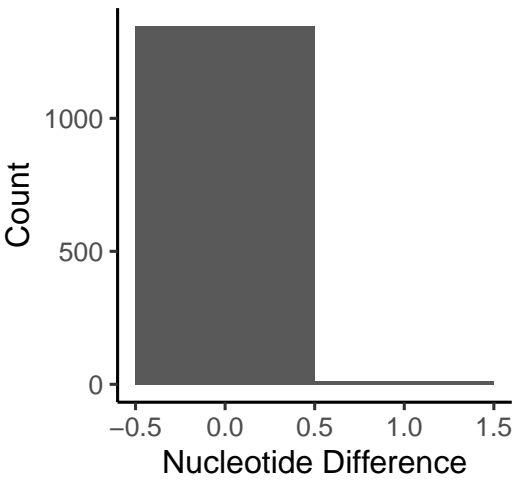
TRBV14*ap01

2775 sequences assigned
2762 (99.5%) exact matches, in which:
2704 unique CDR3
14 unique J



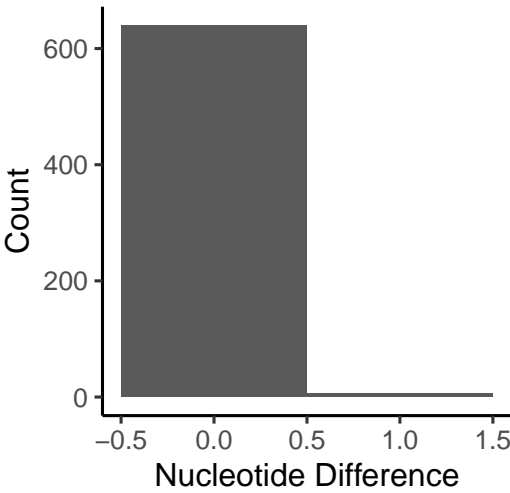
TRBV20-1*ap02

1359 sequences assigned
1347 (99.1%) exact matches, in which:
1325 unique CDR3
14 unique J



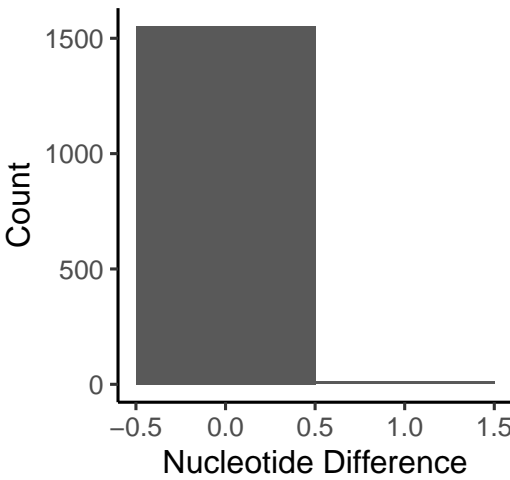
TRBV1*ap01

646 sequences assigned
640 (99.1%) exact matches, in which:
617 unique CDR3
14 unique J



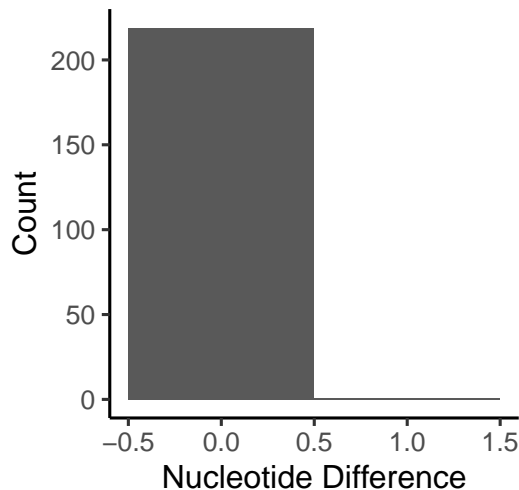
TRBV15*ap02

1566 sequences assigned
1553 (99.2%) exact matches, in which:
1514 unique CDR3
14 unique J



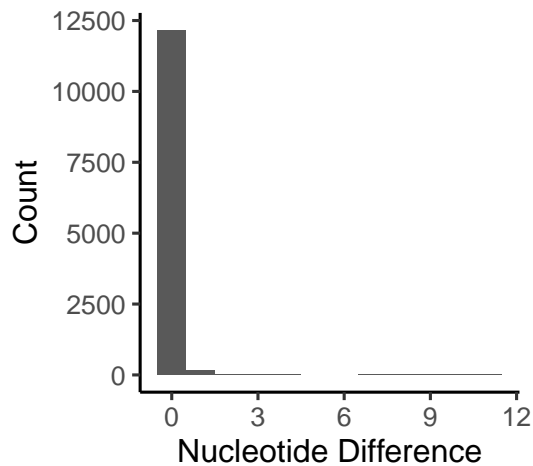
TRBV16*ap01

220 sequences assigned
219 (99.5%) exact matches, in which:
219 unique CDR3
13 unique J



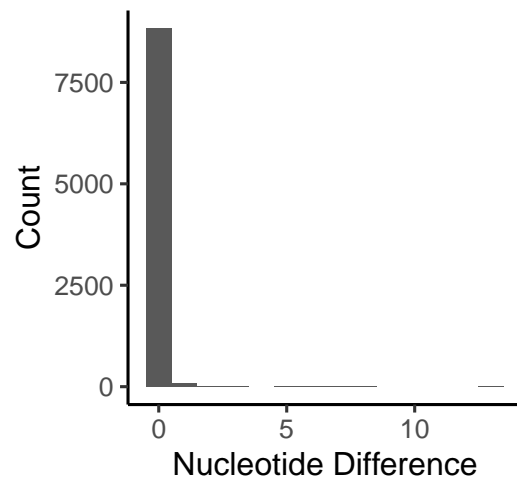
TRBV19*ap01

12327 sequences assigned
12161 (98.7%) exact matches, in which:
12008 unique CDR3
14 unique J



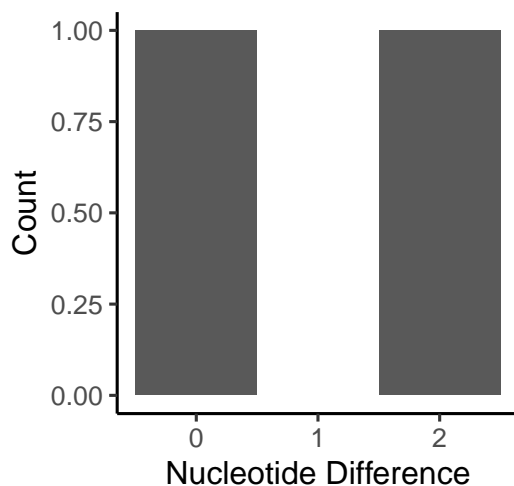
TRBV27*ap01

8941 sequences assigned
8831 (98.8%) exact matches, in which:
8642 unique CDR3
14 unique J



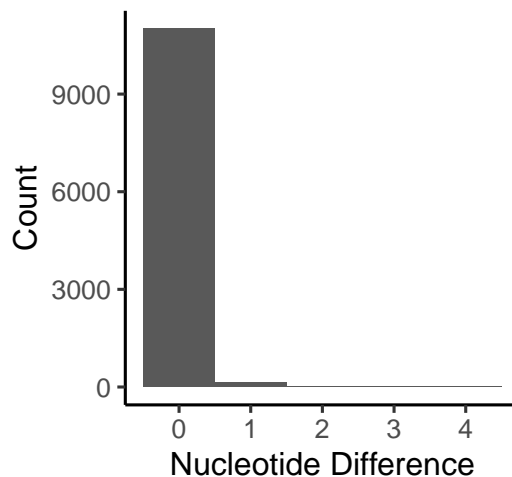
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



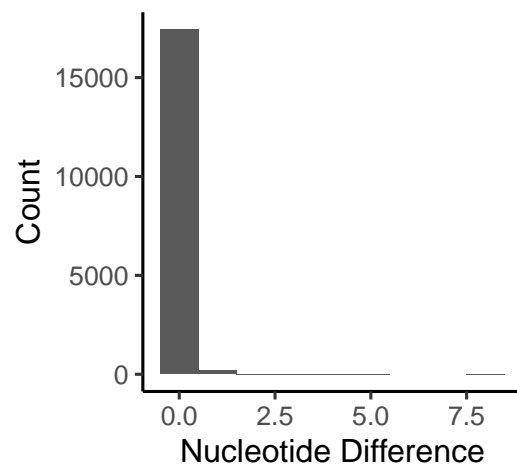
TRBV2*ap01

11150 sequences assigned
11008 (98.7%) exact matches, in which:
10811 unique CDR3
14 unique J



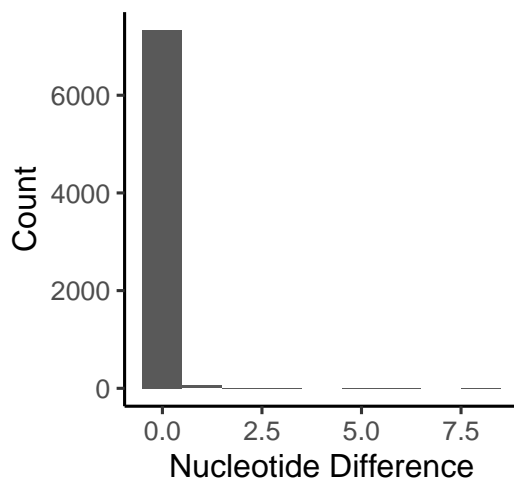
TRBV28*ap01

17636 sequences assigned
17435 (98.9%) exact matches, in which:
17099 unique CDR3
14 unique J



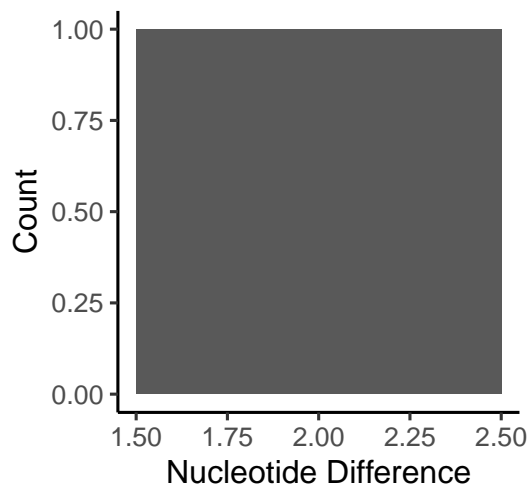
TRBV18*ap01

7400 sequences assigned
7335 (99.1%) exact matches, in which:
7221 unique CDR3
14 unique J



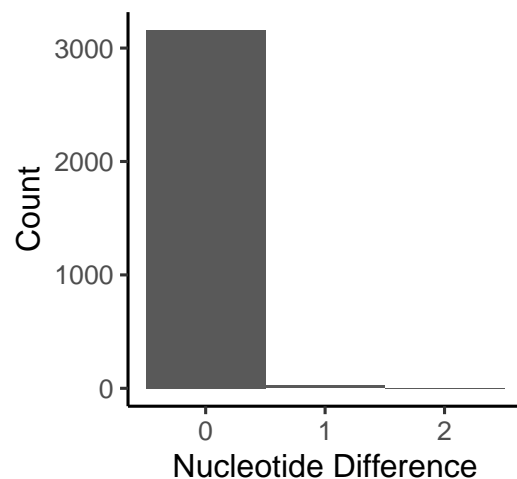
TRBV26*ap01

1 sequences assigned
No exact matches.



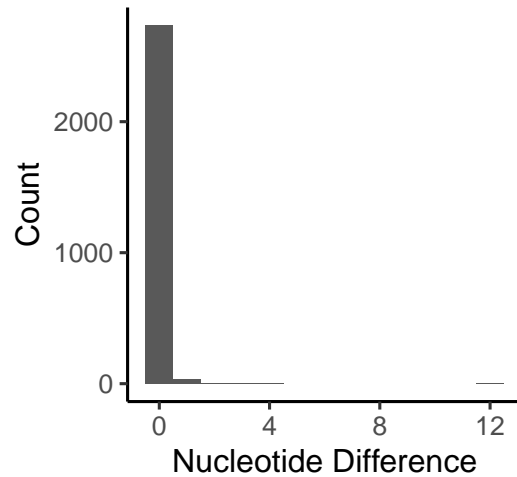
TRBV30*ap01

3186 sequences assigned
3159 (99.2%) exact matches, in which:
3111 unique CDR3
14 unique J



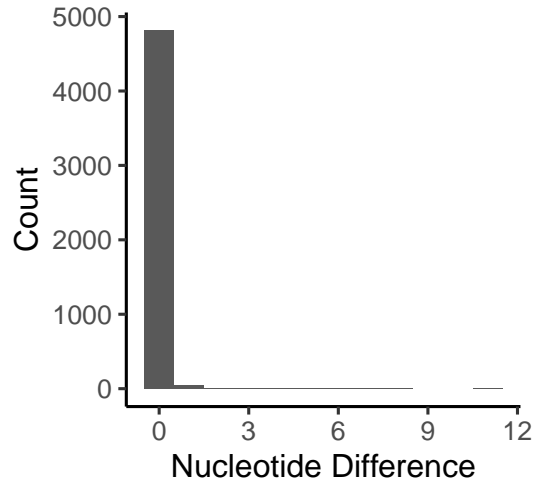
TRBV30*ap02

2784 sequences assigned
2735 (98.2%) exact matches, in which:
2717 unique CDR3
14 unique J



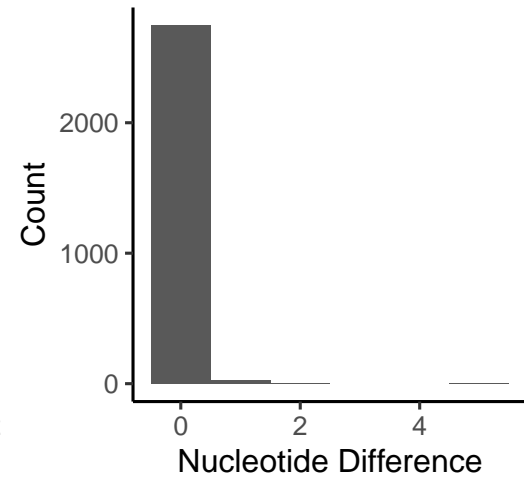
TRBV21-1*ap01

4888 sequences assigned
4814 (98.5%) exact matches, in which:
4707 unique CDR3
14 unique J



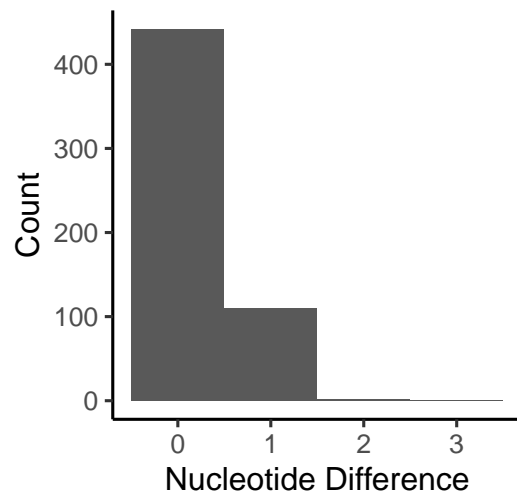
TRBV11-3*ap01

2773 sequences assigned
2746 (99%) exact matches, in which:
2699 unique CDR3
14 unique J



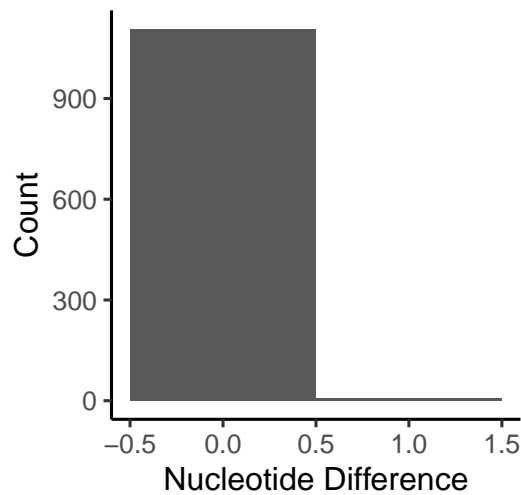
TRBV30*ap03

555 sequences assigned
442 (79.6%) exact matches, in which:
437 unique CDR3
13 unique J



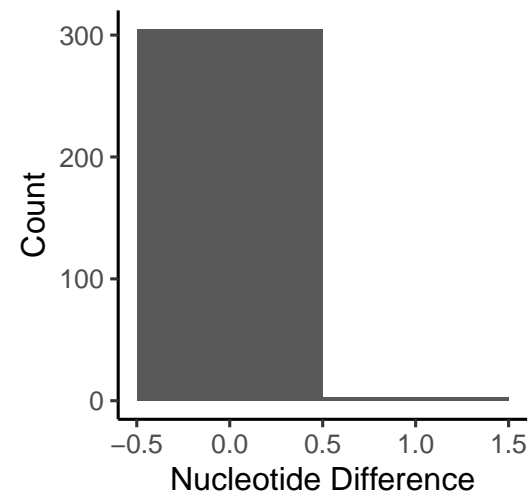
TRBV11-1*ap01

1114 sequences assigned
1107 (99.4%) exact matches, in which:
1092 unique CDR3
14 unique J



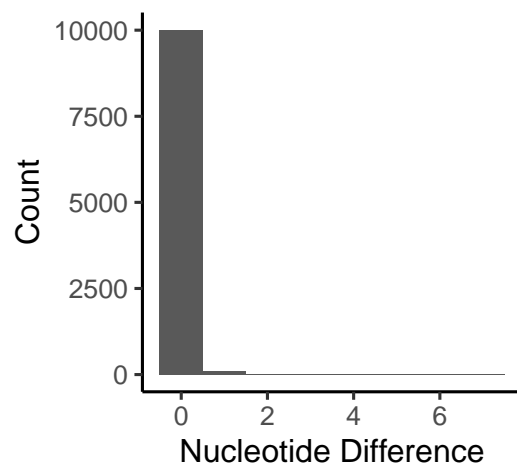
TRBV12-1*ap01

308 sequences assigned
305 (99%) exact matches, in which:
299 unique CDR3
14 unique J



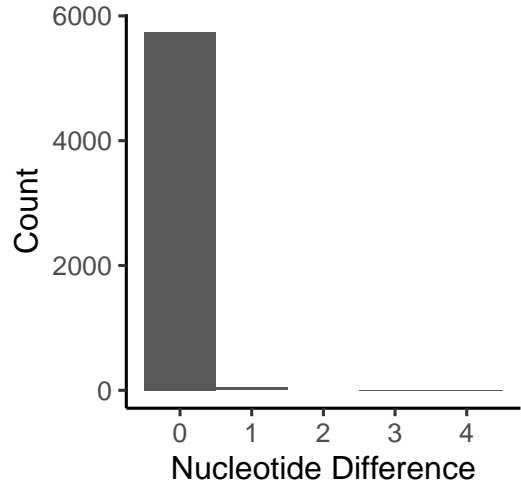
TRBV9*ap01

10128 sequences assigned
10011 (98.8%) exact matches, in which:
9861 unique CDR3
14 unique J



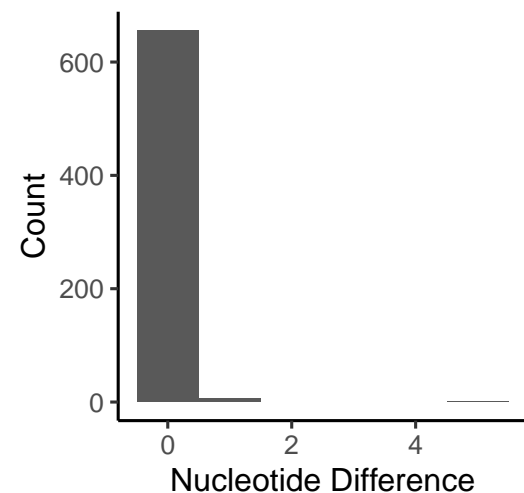
TRBV11-2*ap01

5792 sequences assigned
5741 (99.1%) exact matches, in which:
5634 unique CDR3
14 unique J



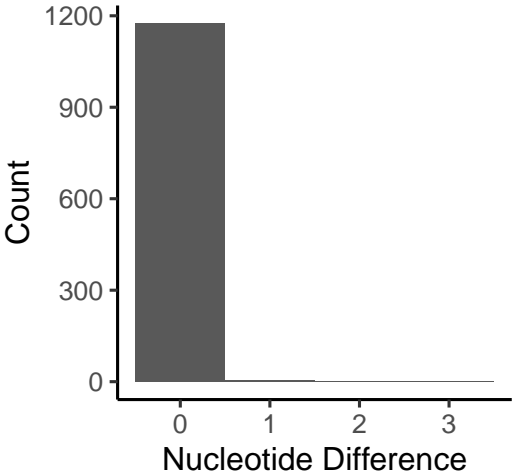
TRBV12-2*ap01

664 sequences assigned
656 (98.8%) exact matches, in which:
646 unique CDR3
14 unique J



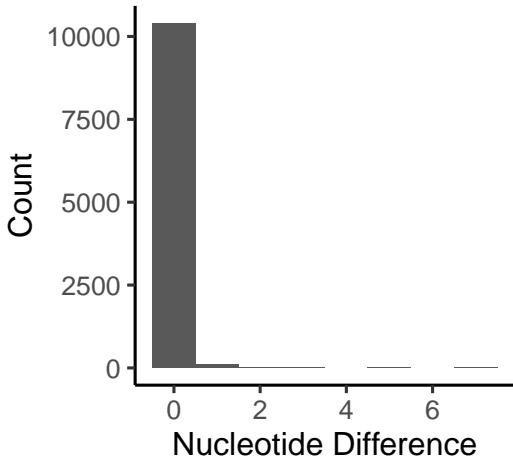
TRBV12-5*ap01

1184 sequences assigned
1175 (99.2%) exact matches, in which:
1145 unique CDR3
14 unique J



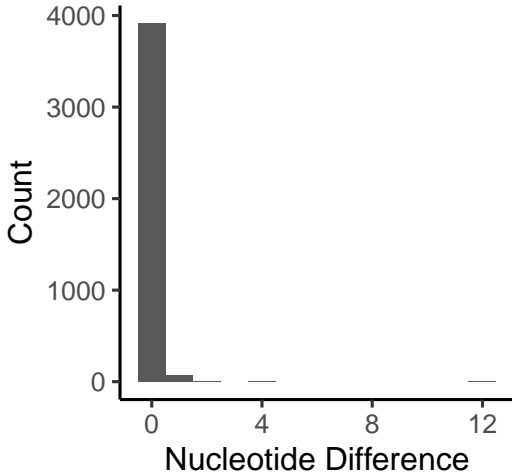
TRBV3-12*ap01

10529 sequences assigned
10402 (98.8%) exact matches, in which:
10233 unique CDR3
14 unique J



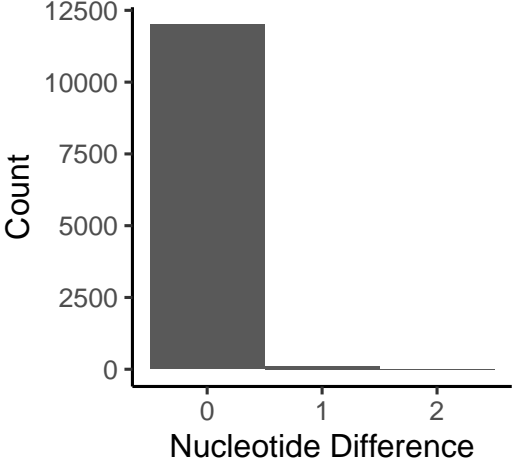
TRBV4-2*ap01

3984 sequences assigned
3914 (98.2%) exact matches, in which:
3860 unique CDR3
14 unique J



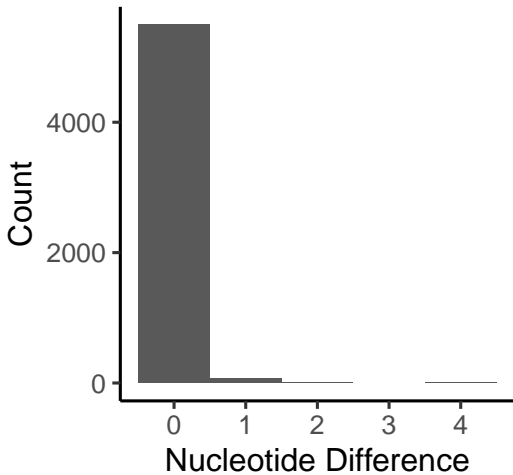
TRBV12-34*ap01

12134 sequences assigned
12008 (99%) exact matches, in which:
11817 unique CDR3
14 unique J



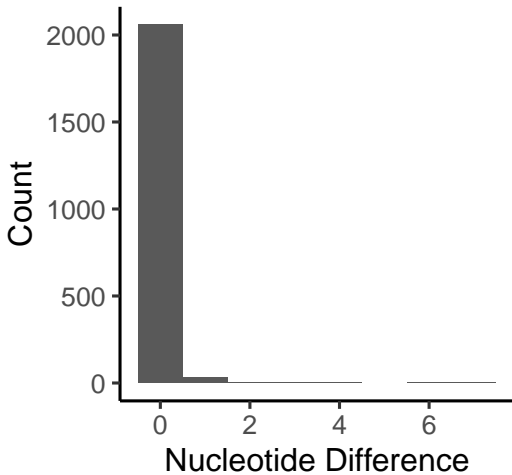
TRBV4-1*ap01

5568 sequences assigned
5496 (98.7%) exact matches, in which:
5425 unique CDR3
14 unique J



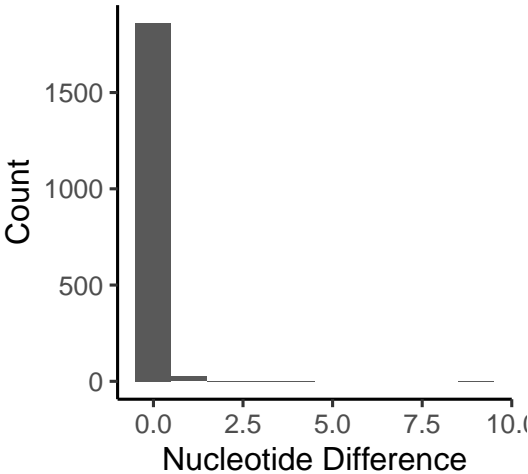
TRBV25-1*ap01

2097 sequences assigned
2059 (98.2%) exact matches, in which:
2022 unique CDR3
14 unique J



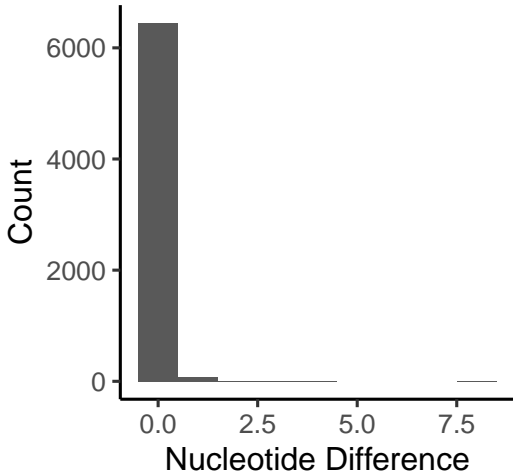
TRBV23-1*ap01

1891 sequences assigned
1861 (98.4%) exact matches, in which:
1817 unique CDR3
14 unique J



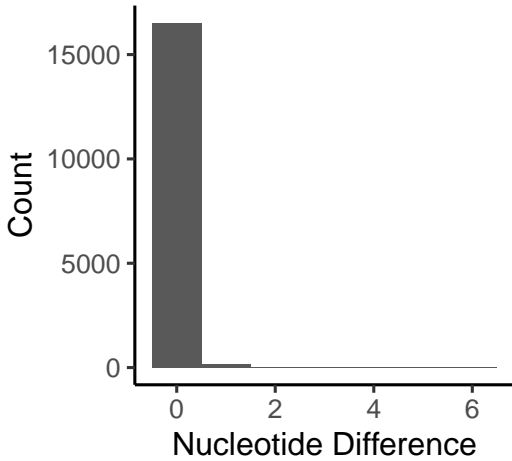
TRBV24-1*ap01

6531 sequences assigned
6446 (98.7%) exact matches, in which:
6306 unique CDR3
14 unique J



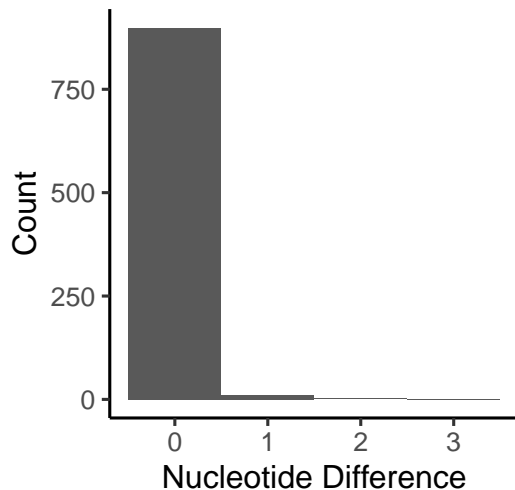
TRBV5-1*ap01

16679 sequences assigned
16524 (99.1%) exact matches, in which:
16203 unique CDR3
14 unique J



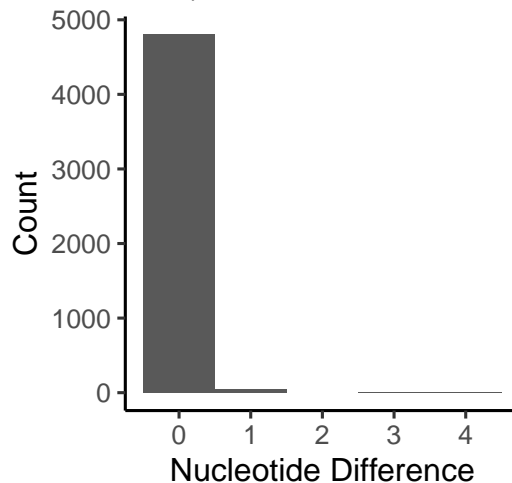
TRBV5-3*ap01

912 sequences assigned
899 (98.6%) exact matches, in which:
885 unique CDR3
14 unique J



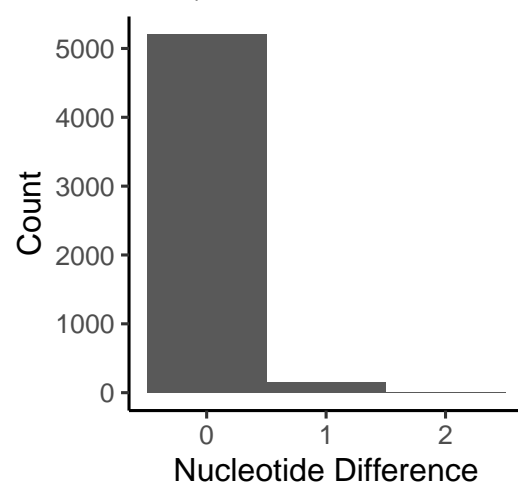
TRBV5-6*ap01

4858 sequences assigned
4804 (98.9%) exact matches, in which:
4676 unique CDR3
14 unique J



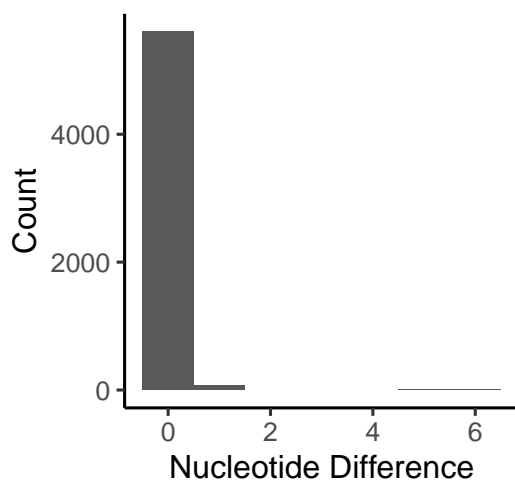
TRBV6-1*ap01

5365 sequences assigned
5204 (97%) exact matches, in which:
5083 unique CDR3
14 unique J



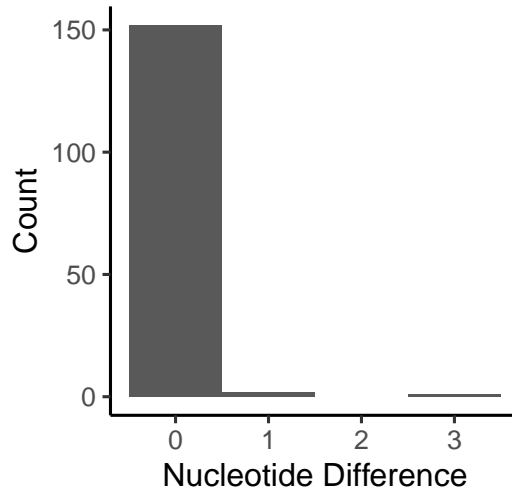
TRBV5-4*ap01

5682 sequences assigned
5604 (98.6%) exact matches, in which:
5495 unique CDR3
14 unique J



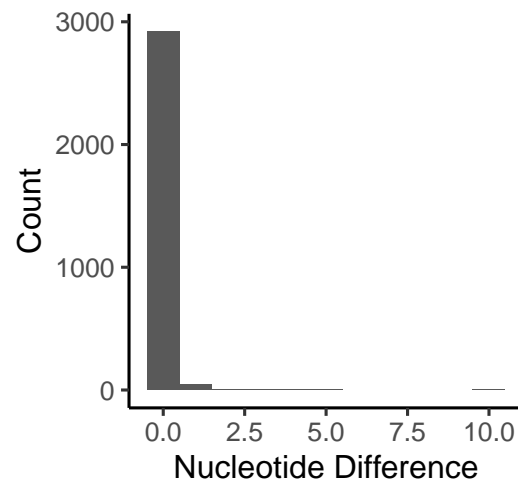
TRBV5-7*ap01

155 sequences assigned
152 (98.1%) exact matches, in which:
151 unique CDR3
14 unique J



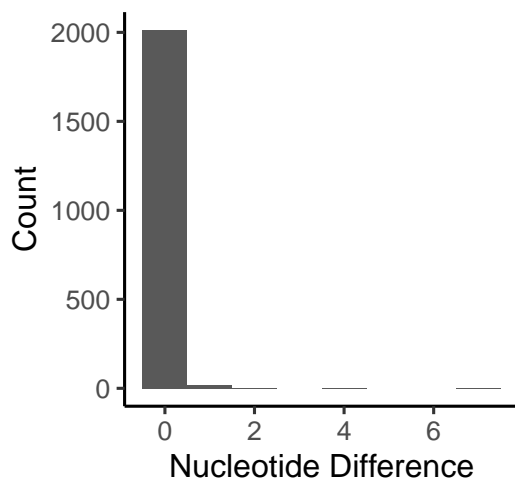
TRBV6-4*ap01

2970 sequences assigned
2919 (98.3%) exact matches, in which:
2861 unique CDR3
14 unique J



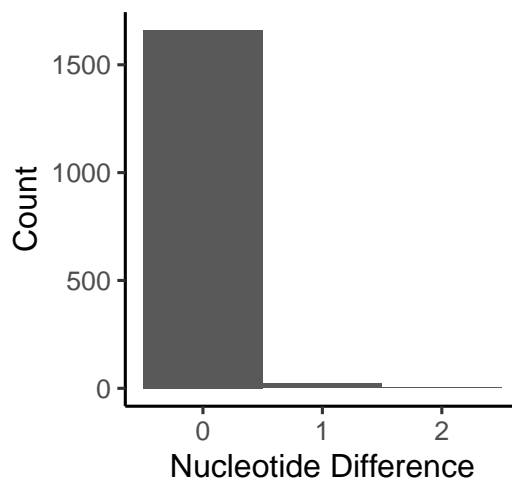
TRBV5-5*ap01

2033 sequences assigned
2013 (99%) exact matches, in which:
1984 unique CDR3
14 unique J



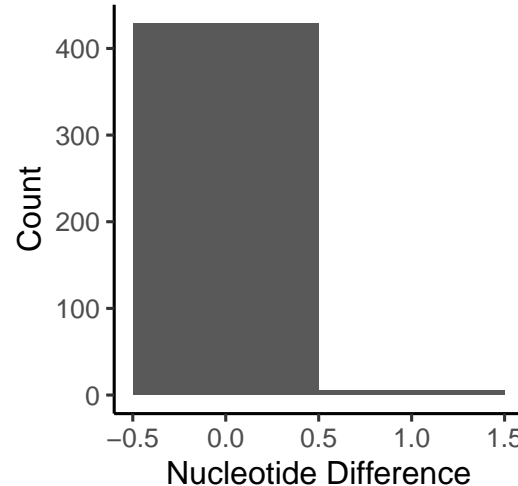
TRBV5-8*ap01

1686 sequences assigned
1661 (98.5%) exact matches, in which:
1638 unique CDR3
14 unique J



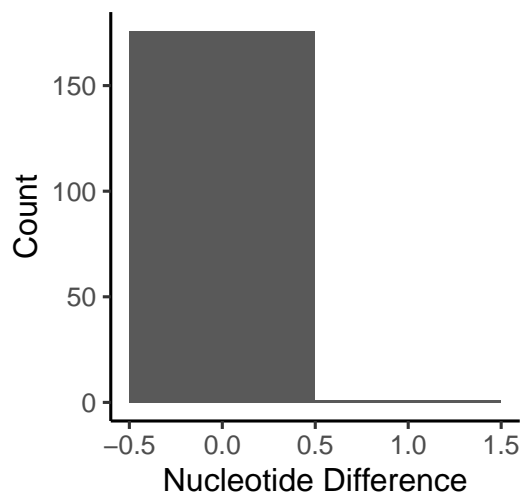
TRBV6-7*ap01

434 sequences assigned
429 (98.8%) exact matches, in which:
422 unique CDR3
14 unique J



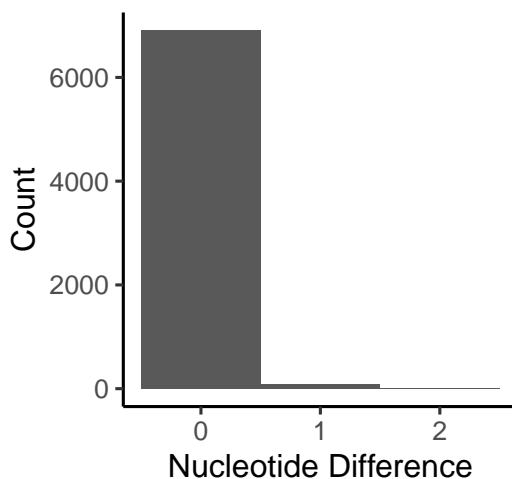
TRBV6–8*ap01

177 sequences assigned
176 (99.4%) exact matches, in which:
170 unique CDR3
14 unique J



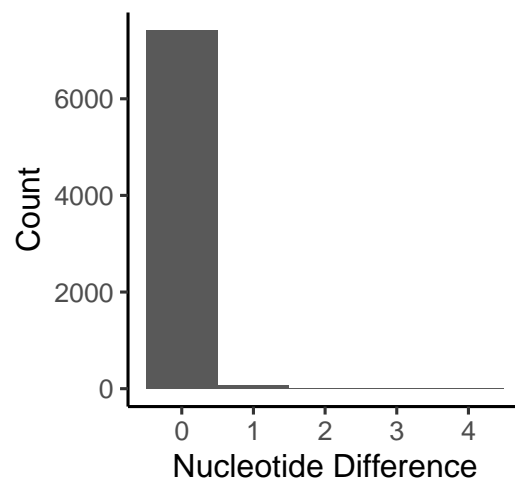
TRBV6–56*ap01

7002 sequences assigned
6906 (98.6%) exact matches, in which:
6752 unique CDR3
14 unique J



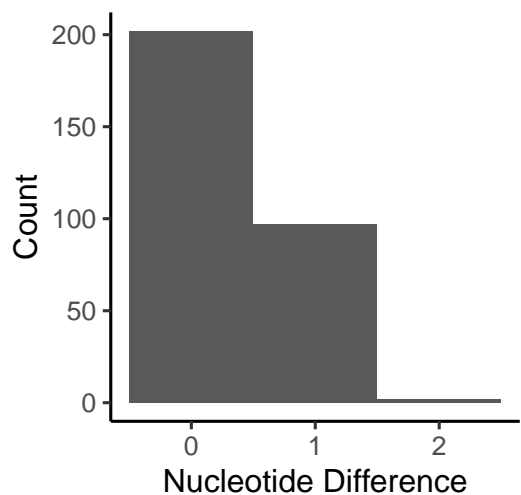
TRBV7–2*ap01

7481 sequences assigned
7415 (99.1%) exact matches, in which:
7335 unique CDR3
14 unique J



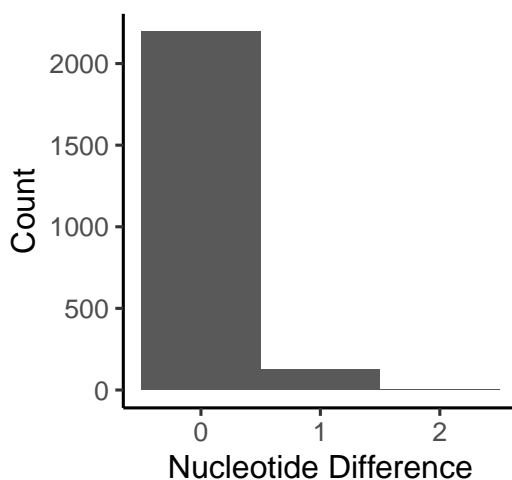
TRBV6–9*ap01

301 sequences assigned
202 (67.1%) exact matches, in which:
196 unique CDR3
14 unique J



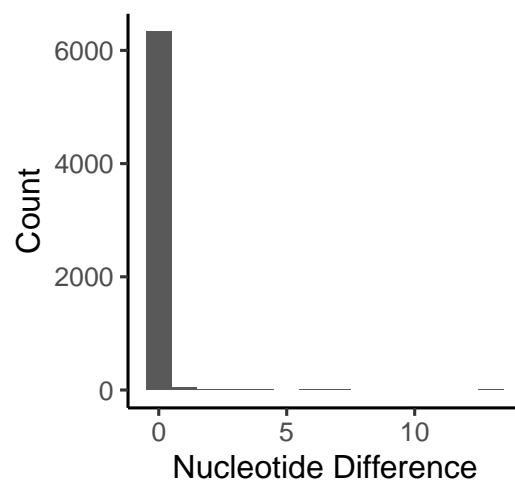
TRBV6–56*ap02

2321 sequences assigned
2195 (94.6%) exact matches, in which:
2135 unique CDR3
14 unique J



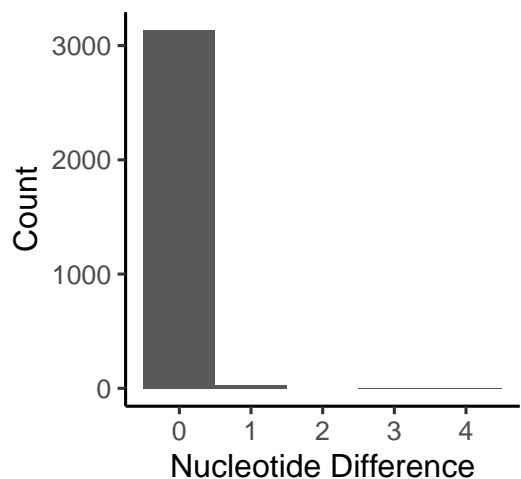
TRBV7–3*ap01

6382 sequences assigned
6330 (99.2%) exact matches, in which:
6194 unique CDR3
14 unique J



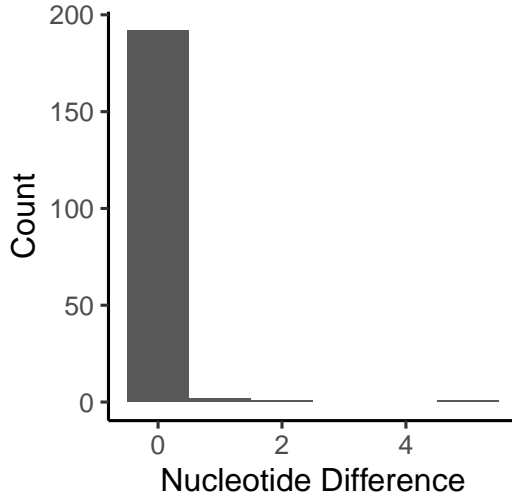
TRBV6–23*ap01

3169 sequences assigned
3136 (99%) exact matches, in which:
3065 unique CDR3
14 unique J



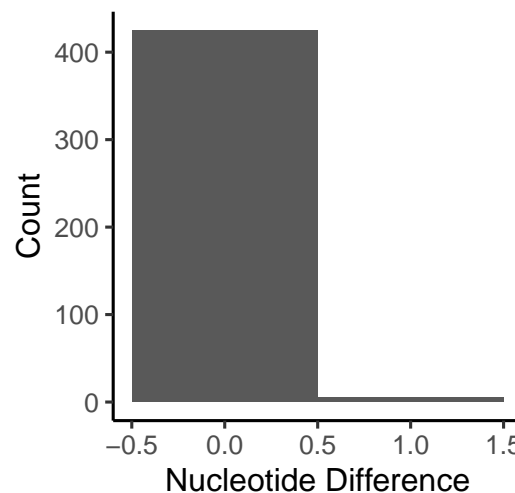
TRBV7–1*ap01_G291C_

196 sequences assigned
192 (98%) exact matches, in which:
186 unique CDR3
14 unique J



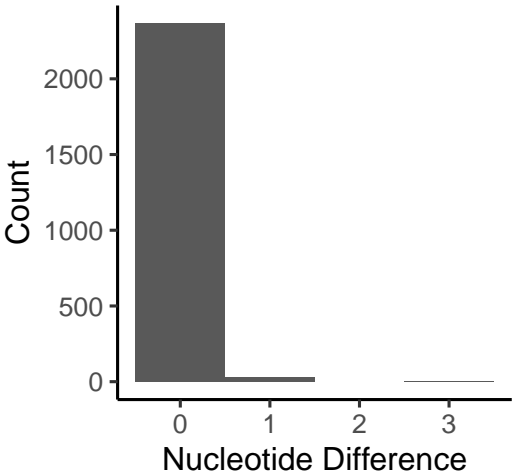
TRBV7–4*ap01

430 sequences assigned
425 (98.8%) exact matches, in which:
417 unique CDR3
14 unique J



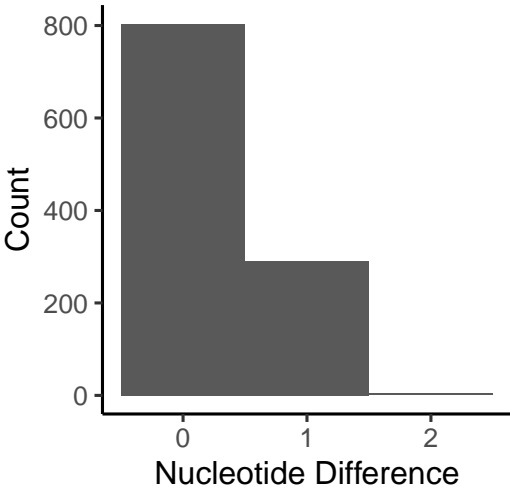
TRBV7-6*ap01

2396 sequences assigned
2366 (98.7%) exact matches, in which:
2320 unique CDR3
14 unique J



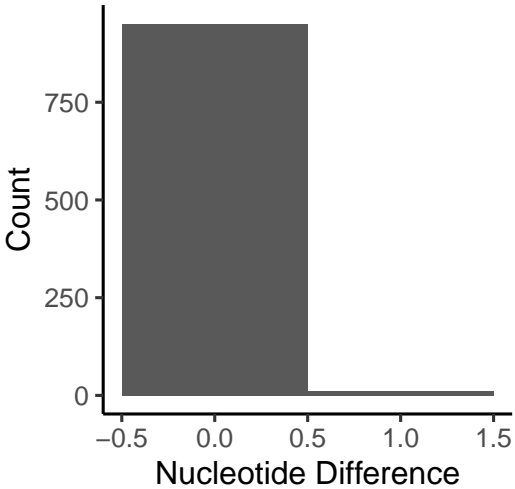
TRBV7-8*ap03

1098 sequences assigned
804 (73.2%) exact matches, in which:
790 unique CDR3
14 unique J



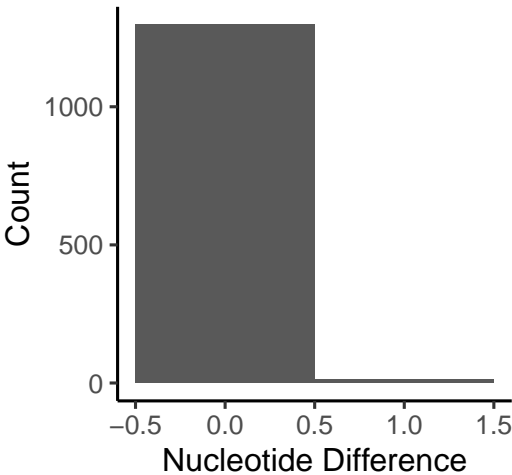
TRBV29-1*ap02

963 sequences assigned
951 (98.8%) exact matches, in which:
942 unique CDR3
14 unique J



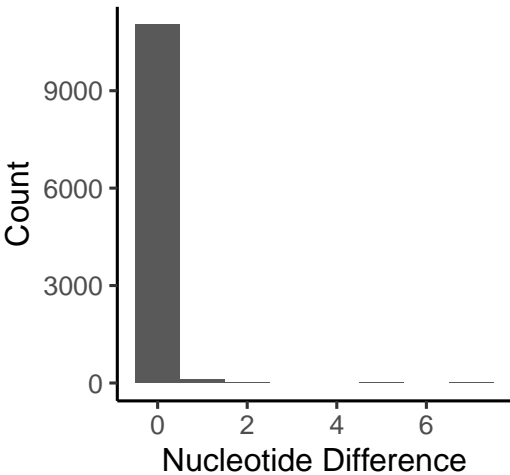
TRBV7-7*ap01_C315T

1311 sequences assigned
1297 (98.9%) exact matches, in which:
1278 unique CDR3
14 unique J



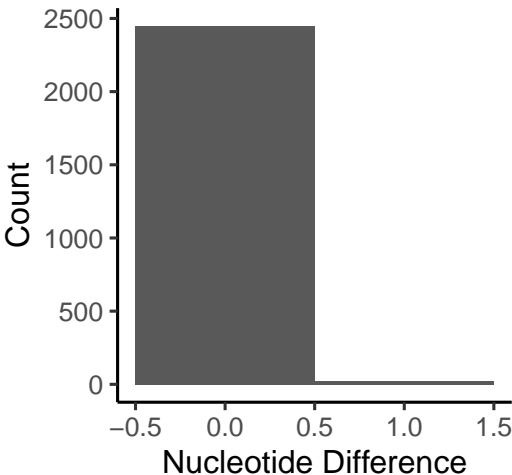
TRBV7-9*ap01

11140 sequences assigned
11031 (99%) exact matches, in which:
10880 unique CDR3
14 unique J



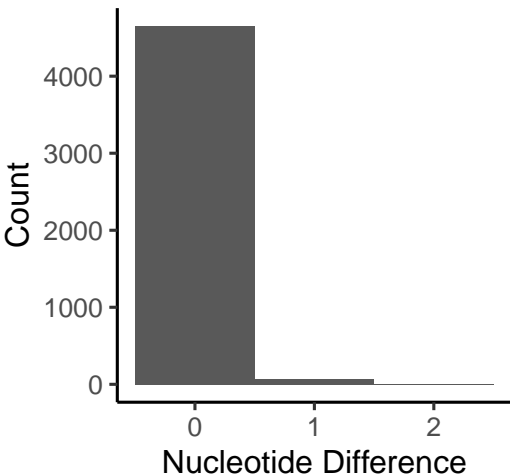
TRBV7-8*ap01

2472 sequences assigned
2448 (99%) exact matches, in which:
2405 unique CDR3
14 unique J

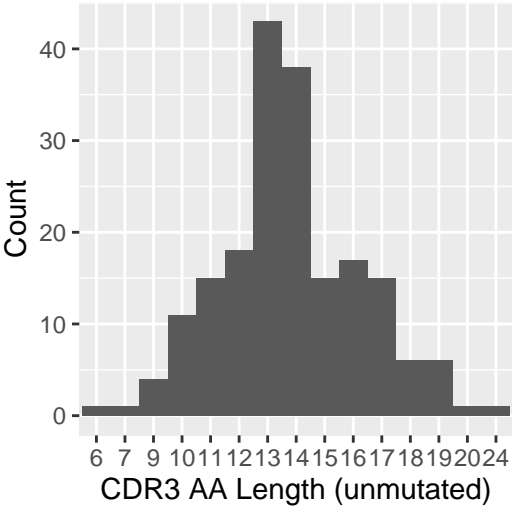


TRBV29-1*ap01

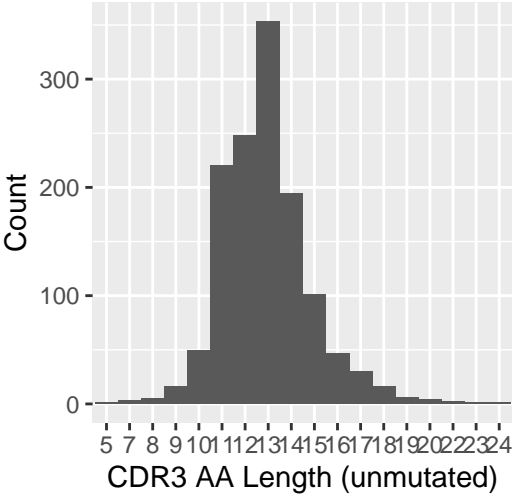
4720 sequences assigned
4651 (98.5%) exact matches, in which:
4578 unique CDR3
14 unique J

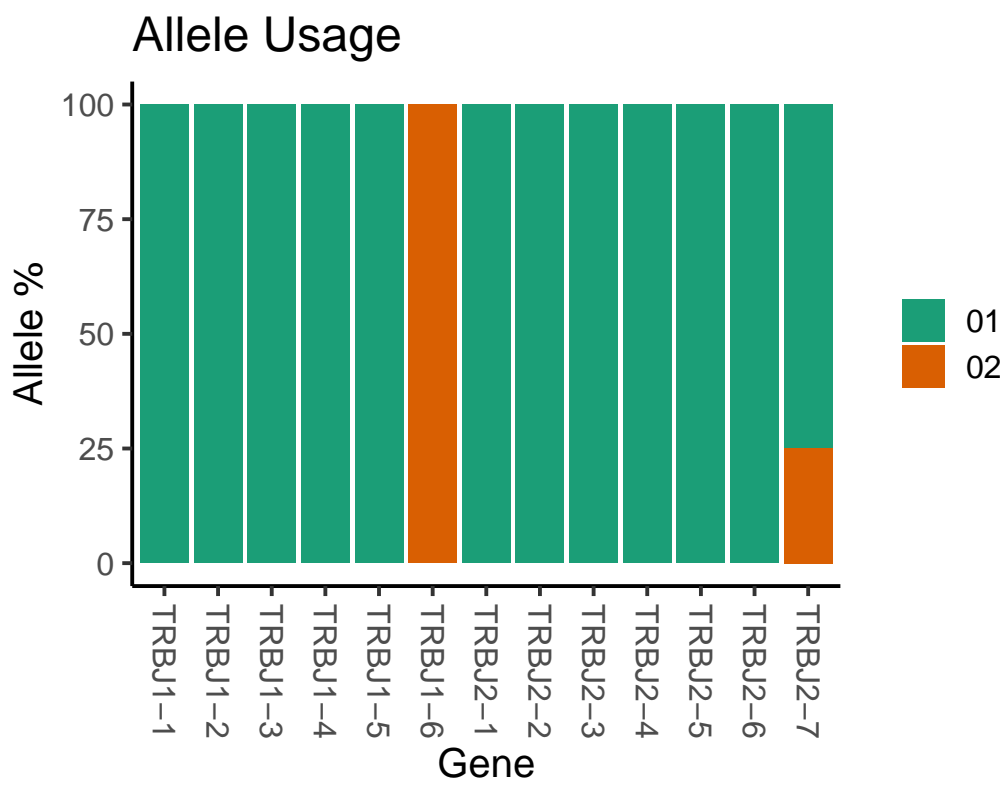


TRBV7-1*ap01_G291C_T296C

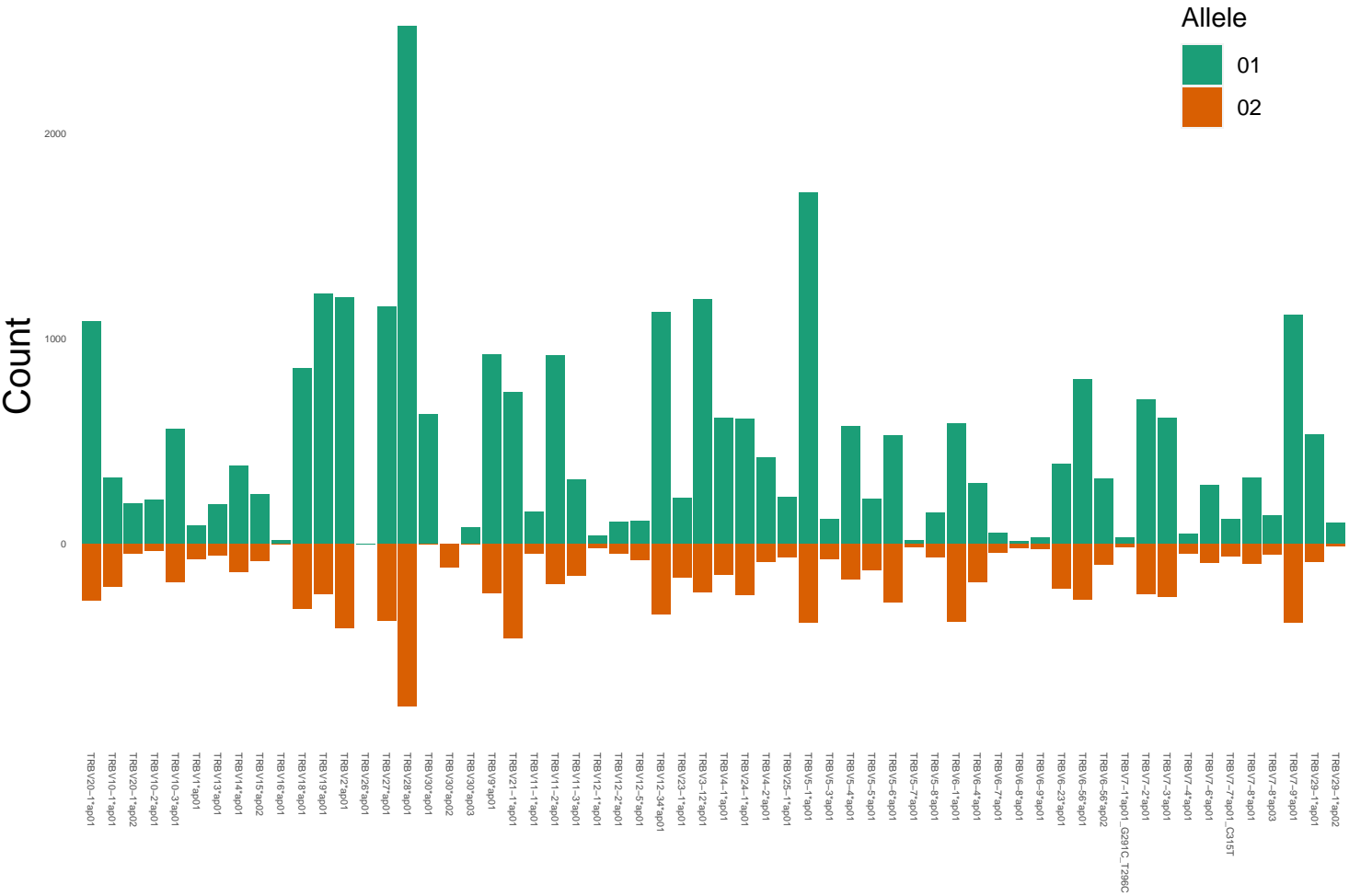


TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage



[illegible]