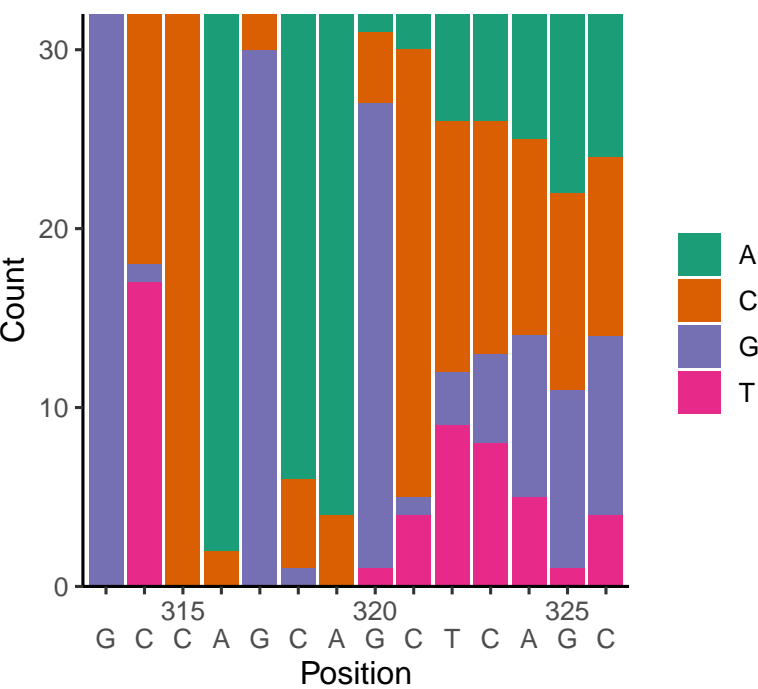
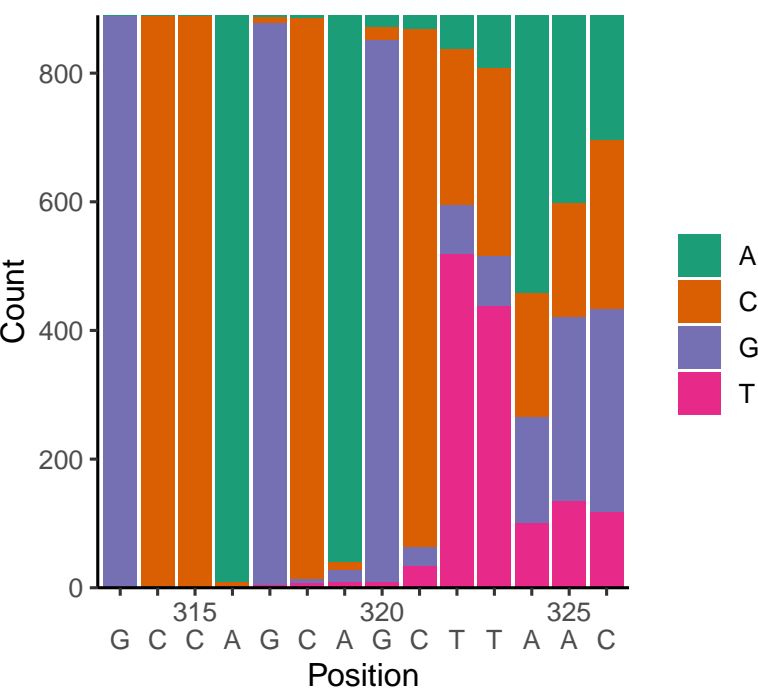


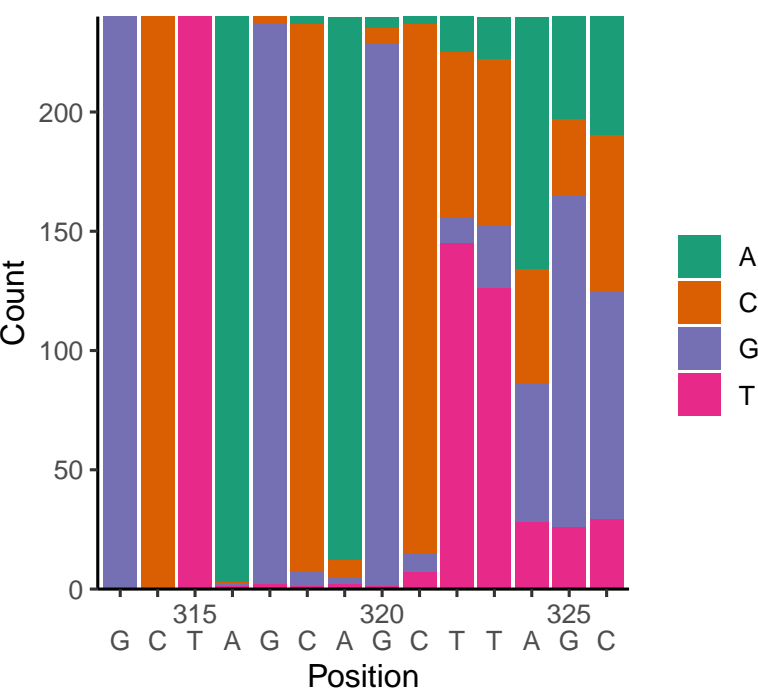
Gene TRBV7-1*ap01_T296C



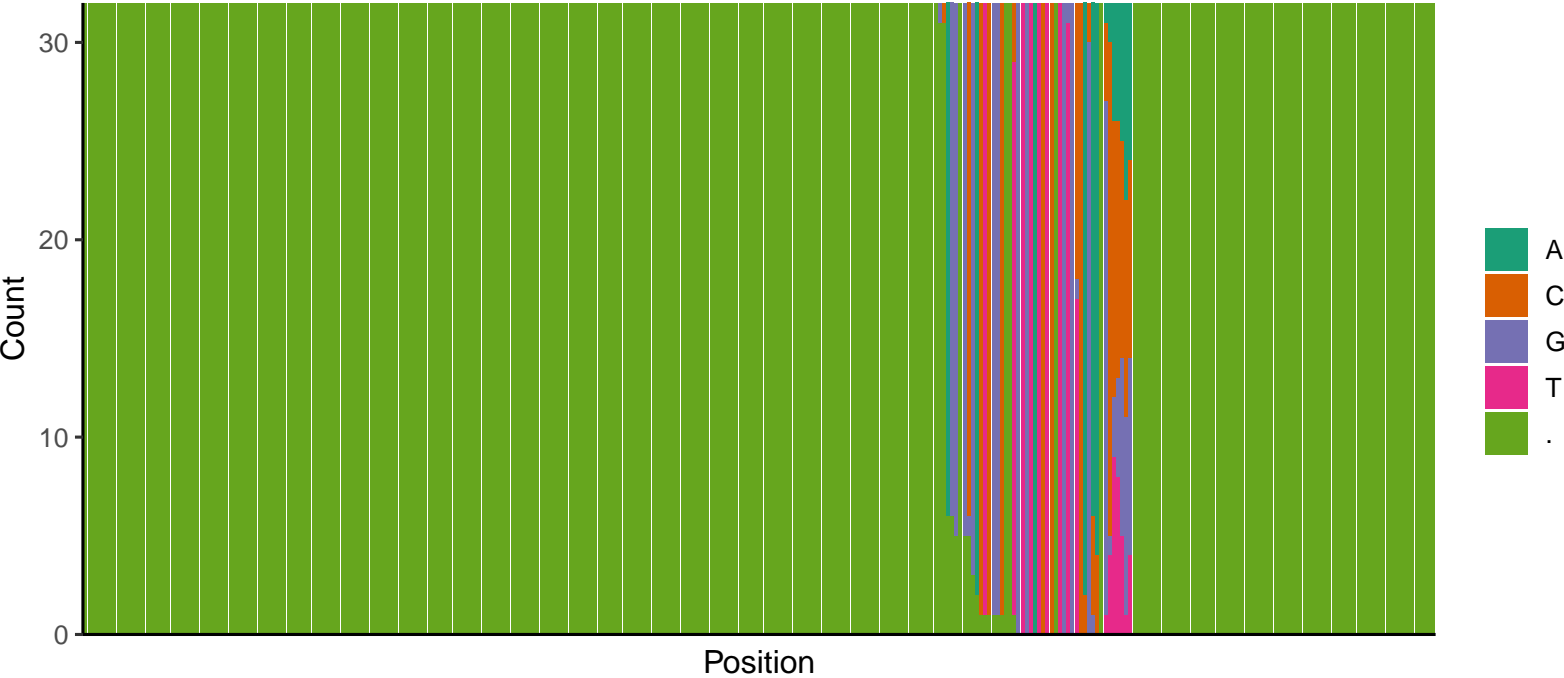
Gene TRBV7-3*ap01_G301A



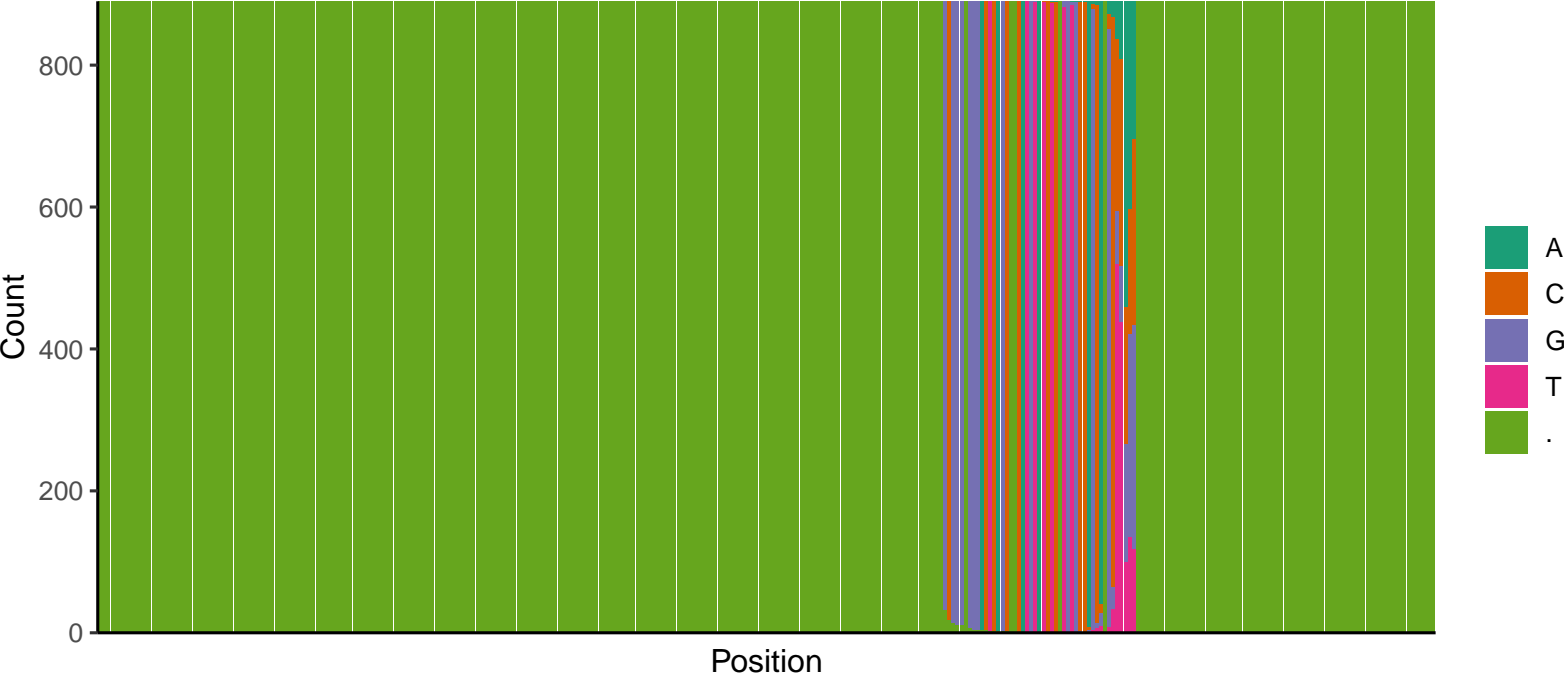
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_T296C



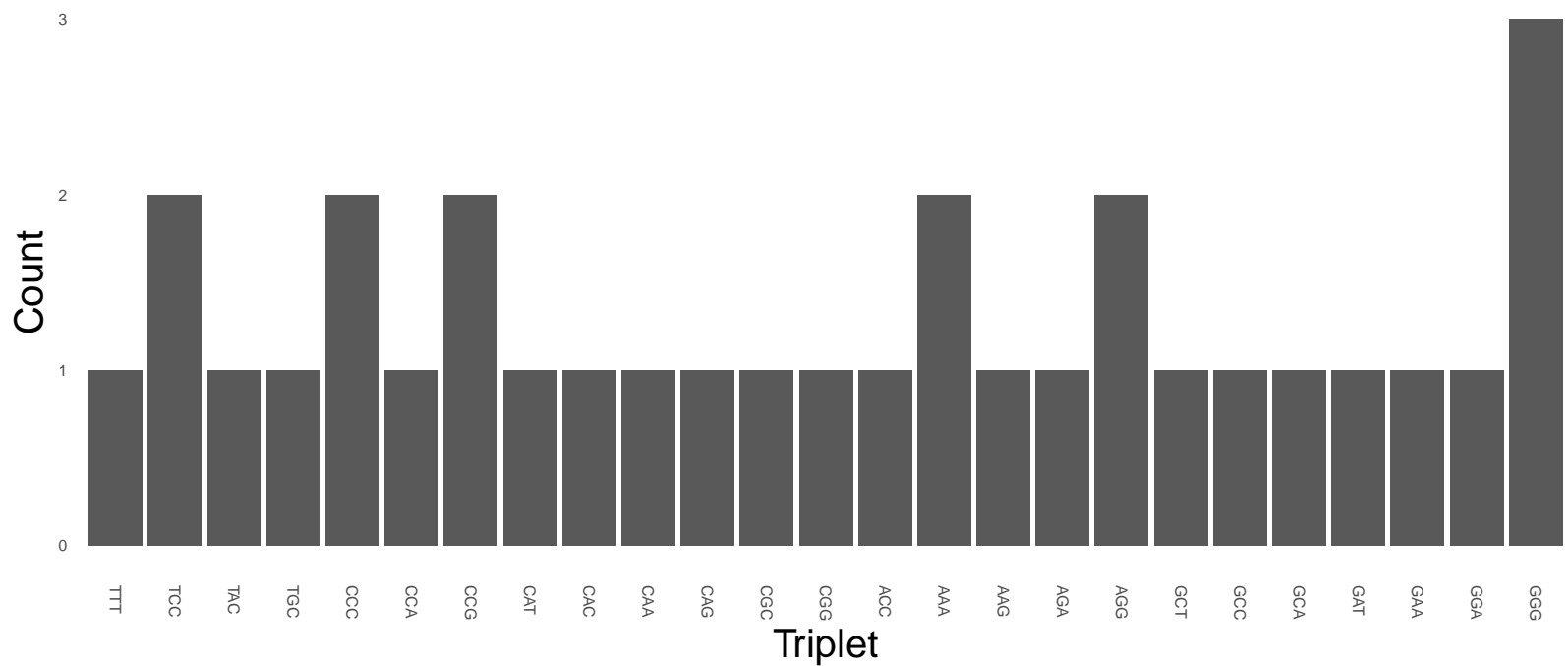
Gene TRBV7-3*ap01_G301A



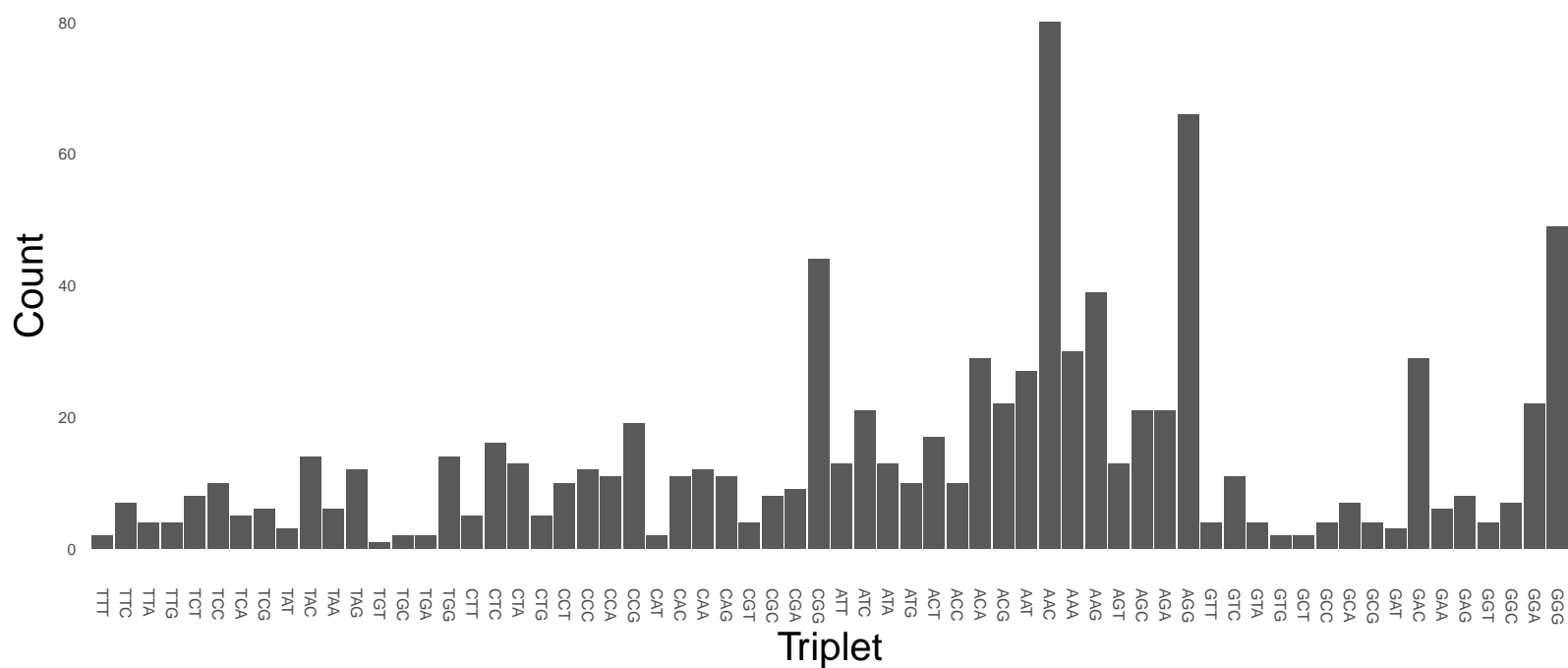
Gene TRBV7-7*ap01_C315T



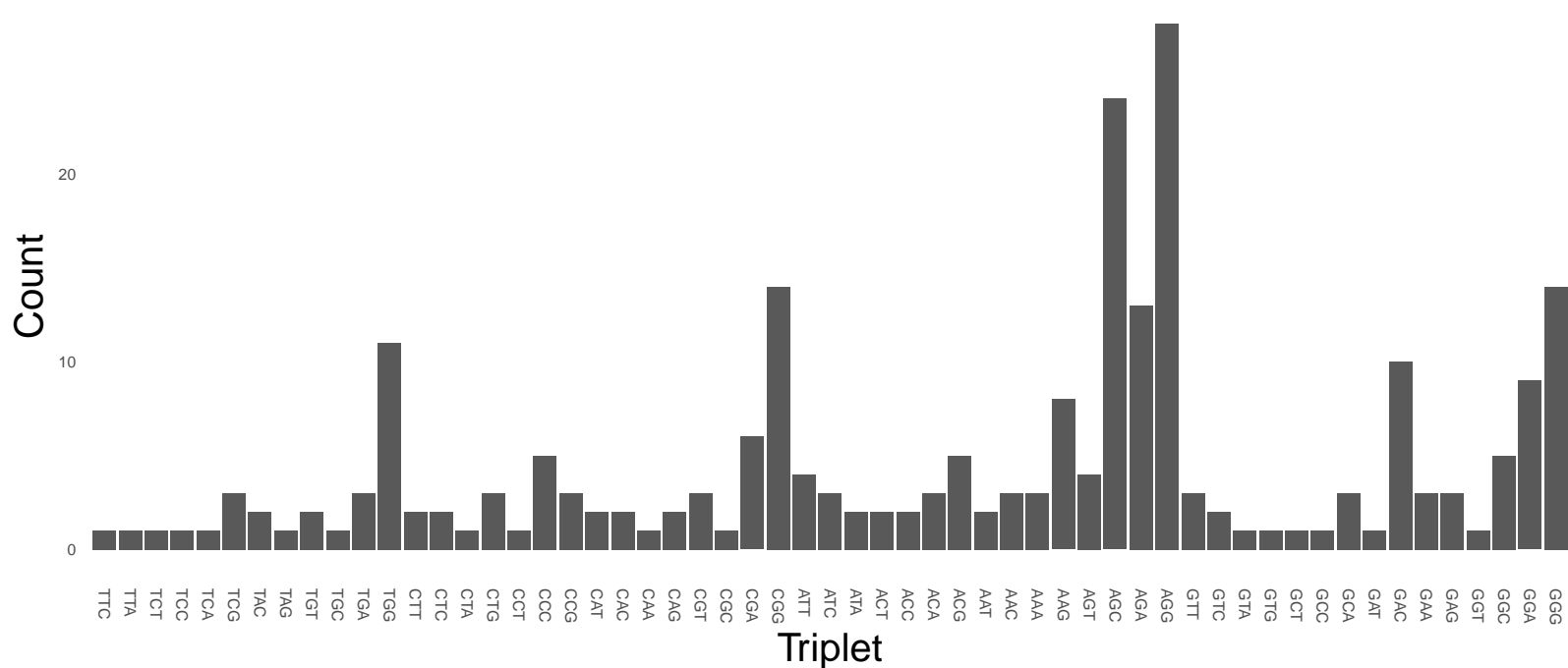
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet

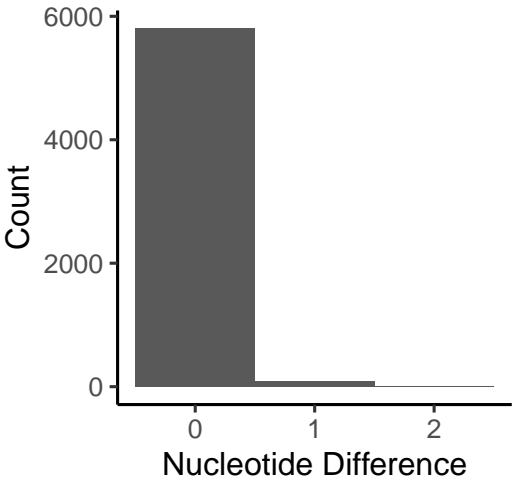


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



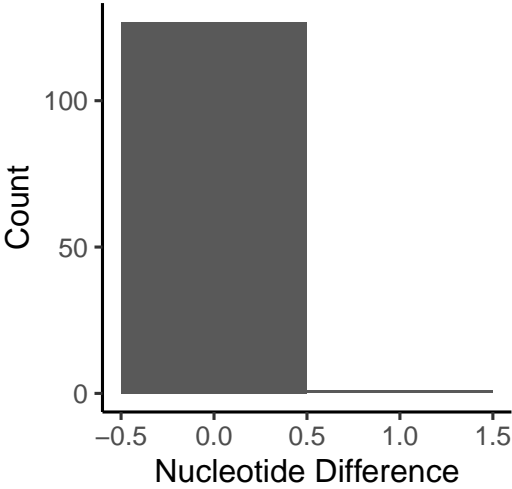
TRBV20-1*ap01

5903 sequences assigned
5804 (98.3%) exact matches, in which:
5644 unique CDR3
13 unique J



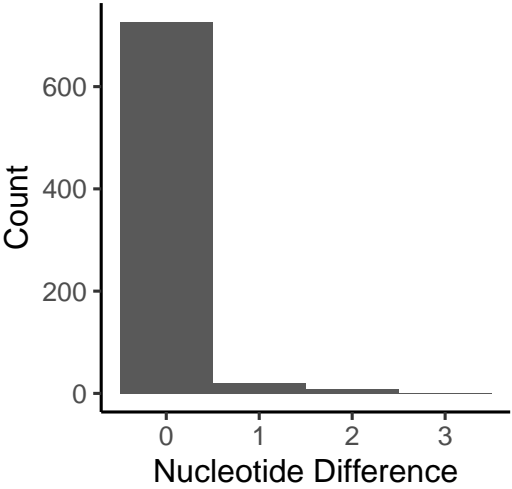
TRBV10-2*ap01

128 sequences assigned
127 (99.2%) exact matches, in which:
127 unique CDR3
12 unique J



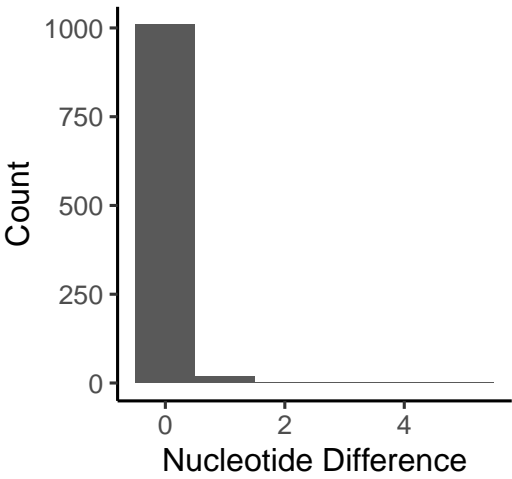
TRBV13*ap01

757 sequences assigned
727 (96%) exact matches, in which:
710 unique CDR3
13 unique J



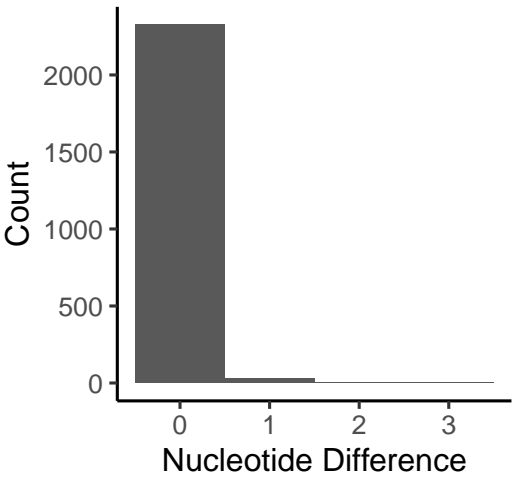
TRBV10-1*ap01

1032 sequences assigned
1009 (97.8%) exact matches, in which:
1000 unique CDR3
13 unique J



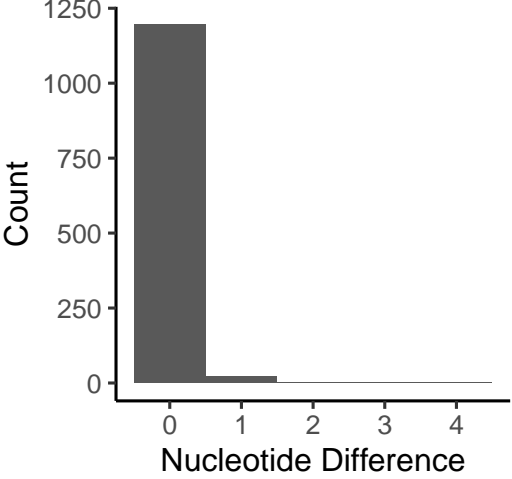
TRBV10-3*ap01

2361 sequences assigned
2326 (98.5%) exact matches, in which:
2304 unique CDR3
13 unique J



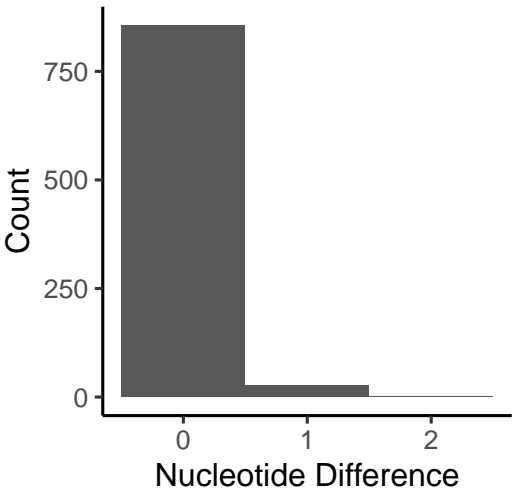
TRBV14*ap01

1222 sequences assigned
1195 (97.8%) exact matches, in which:
1182 unique CDR3
13 unique J



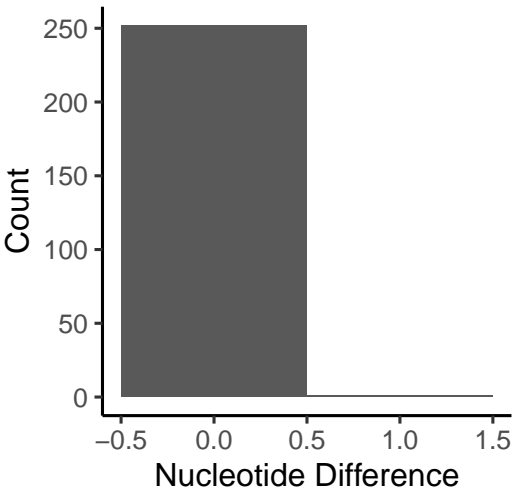
TRBV20-1*ap02

884 sequences assigned
856 (96.8%) exact matches, in which:
828 unique CDR3
13 unique J



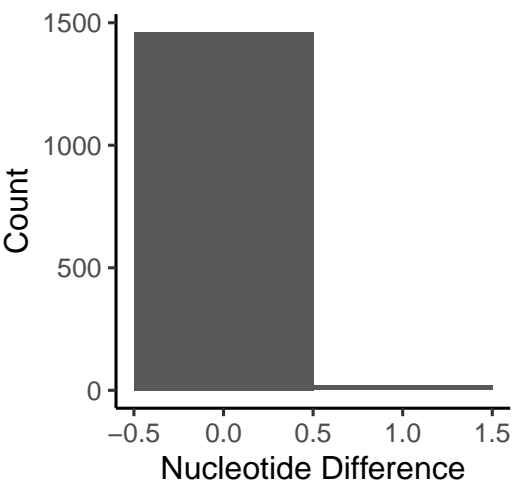
TRBV1*ap01

253 sequences assigned
252 (99.6%) exact matches, in which:
247 unique CDR3
13 unique J



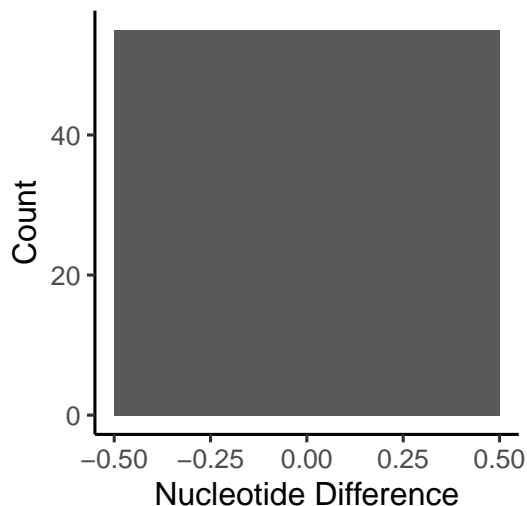
TRBV15*ap02

1481 sequences assigned
1462 (98.7%) exact matches, in which:
1448 unique CDR3
13 unique J



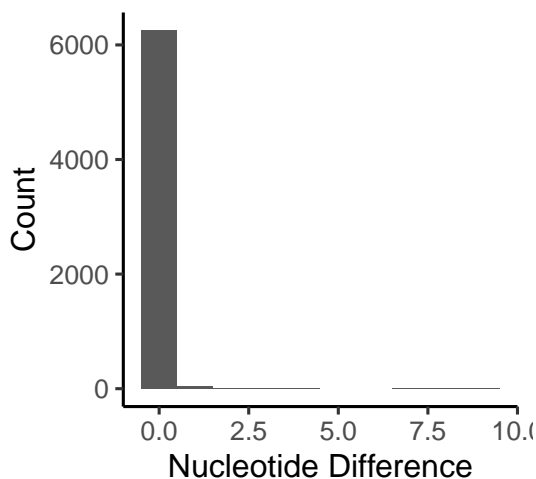
TRBV16*ap01

55 sequences assigned
55 (100%) exact matches, in which:
55 unique CDR3
10 unique J



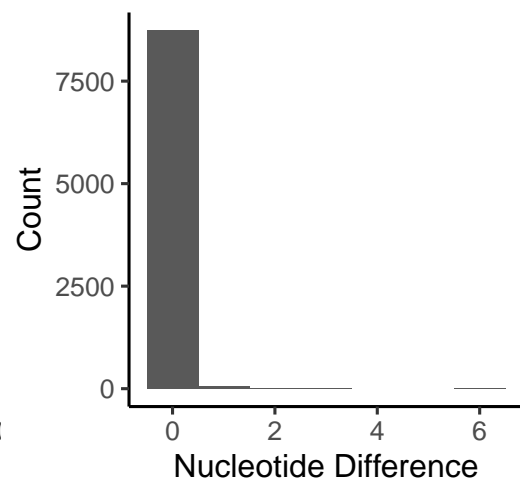
TRBV19*ap01

6309 sequences assigned
6253 (99.1%) exact matches, in which:
6197 unique CDR3
13 unique J



TRBV28*ap01

8810 sequences assigned
8737 (99.2%) exact matches, in which:
8658 unique CDR3
13 unique J



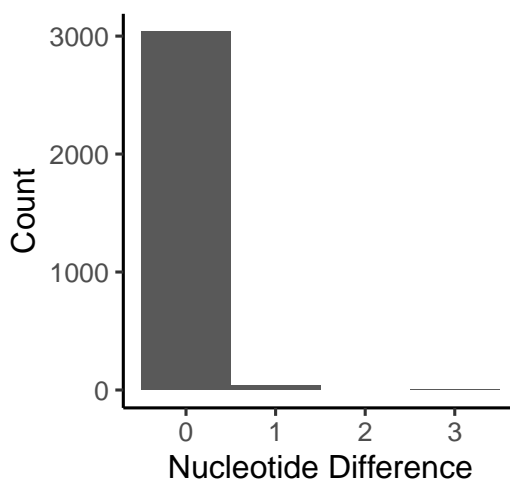
TRBV17*ap01

1 sequences assigned
No exact matches.



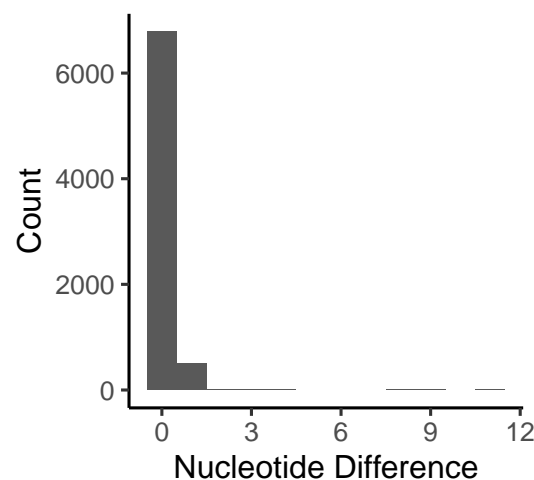
TRBV2*ap01

3078 sequences assigned
3037 (98.7%) exact matches, in which:
3011 unique CDR3
13 unique J



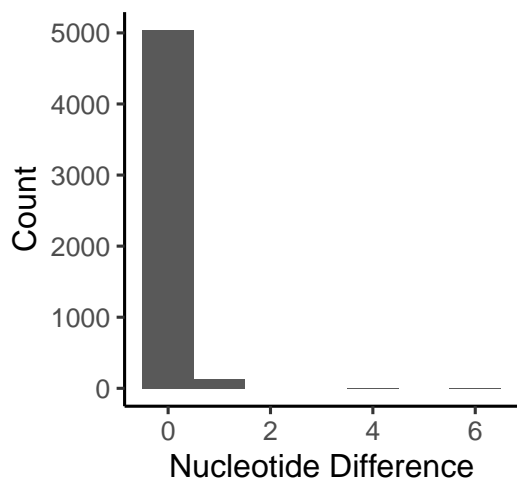
TRBV30*ap01

7317 sequences assigned
6783 (92.7%) exact matches, in which:
6358 unique CDR3
13 unique J



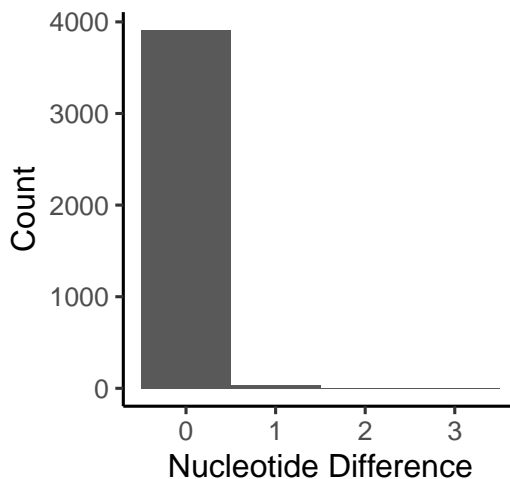
TRBV18*ap01

5172 sequences assigned
5040 (97.4%) exact matches, in which:
4925 unique CDR3
13 unique J



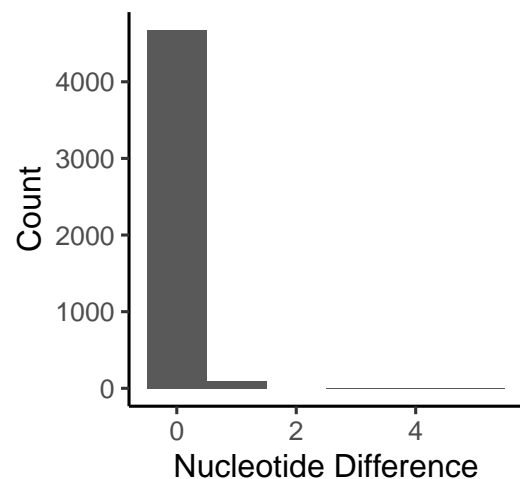
TRBV27*ap01

3956 sequences assigned
3911 (98.9%) exact matches, in which:
3879 unique CDR3
13 unique J



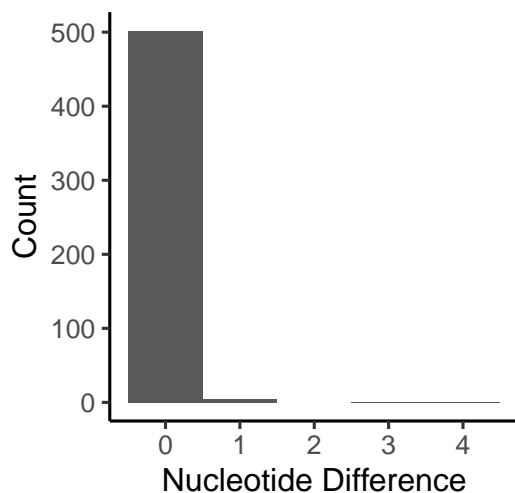
TRBV9*ap01

4773 sequences assigned
4675 (97.9%) exact matches, in which:
4626 unique CDR3
13 unique J



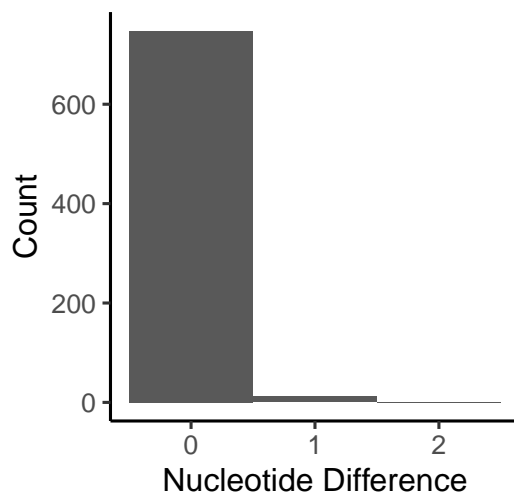
TRBV21–1*ap01

509 sequences assigned
502 (98.6%) exact matches, in which:
497 unique CDR3
13 unique J



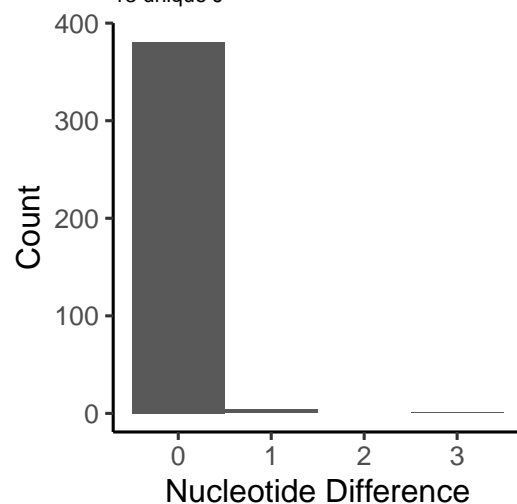
TRBV11–3*ap01

761 sequences assigned
748 (98.3%) exact matches, in which:
741 unique CDR3
13 unique J



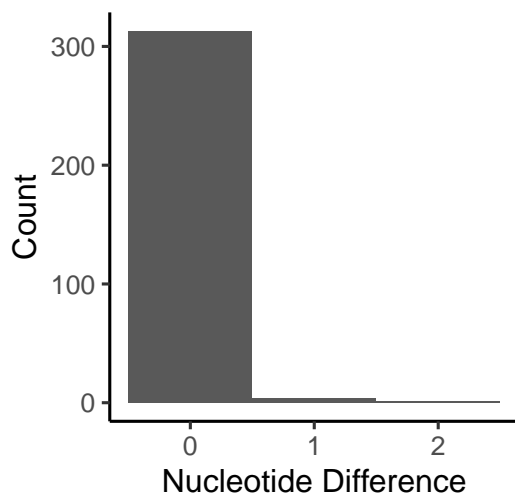
TRBV12–5*ap01

386 sequences assigned
381 (98.7%) exact matches, in which:
377 unique CDR3
13 unique J



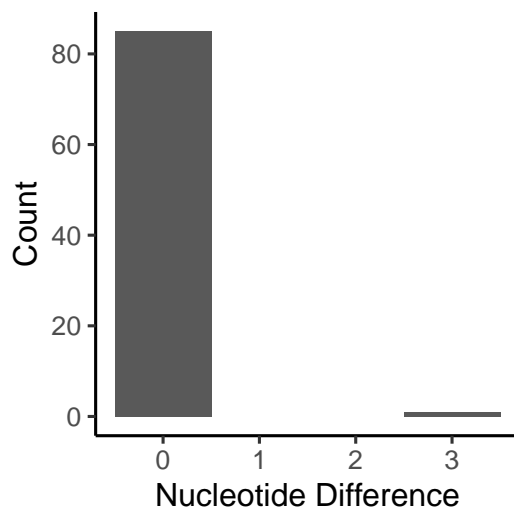
TRBV11–1*ap01

318 sequences assigned
313 (98.4%) exact matches, in which:
310 unique CDR3
13 unique J



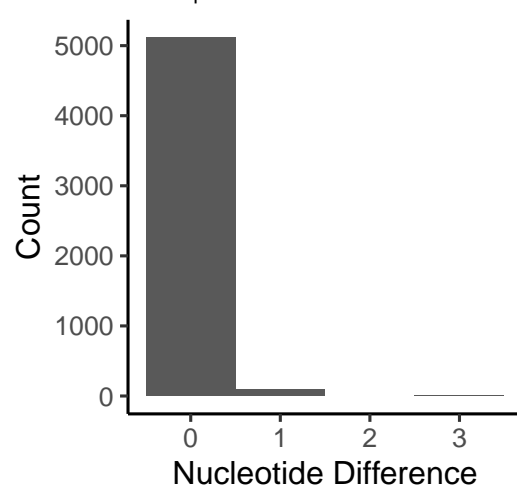
TRBV12–1*ap01

86 sequences assigned
85 (98.8%) exact matches, in which:
85 unique CDR3
12 unique J



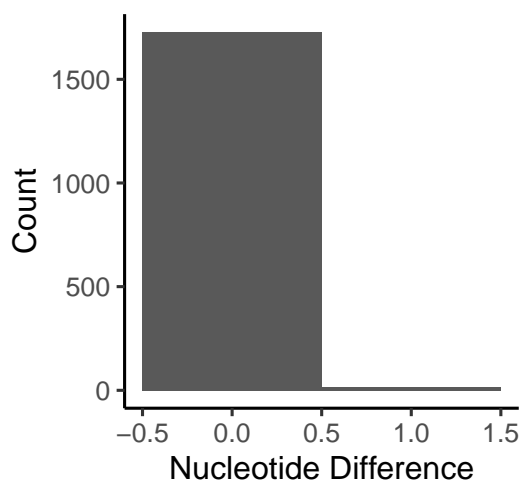
TRBV12–34*ap01

5212 sequences assigned
5113 (98.1%) exact matches, in which:
5052 unique CDR3
13 unique J



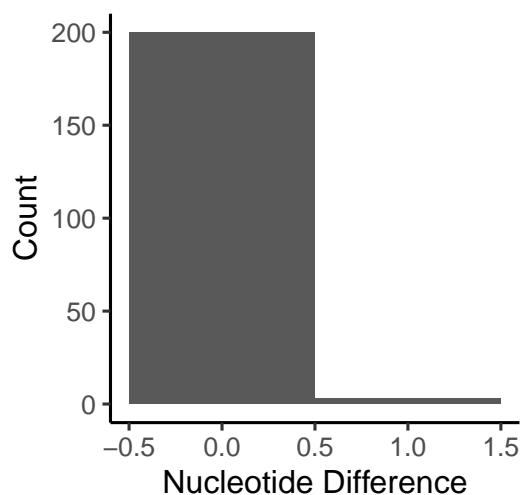
TRBV11–2*ap01

1743 sequences assigned
1728 (99.1%) exact matches, in which:
1714 unique CDR3
13 unique J



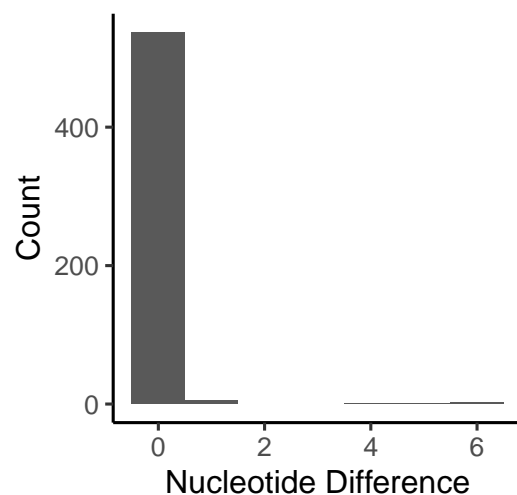
TRBV12–2*ap01

203 sequences assigned
200 (98.5%) exact matches, in which:
198 unique CDR3
13 unique J



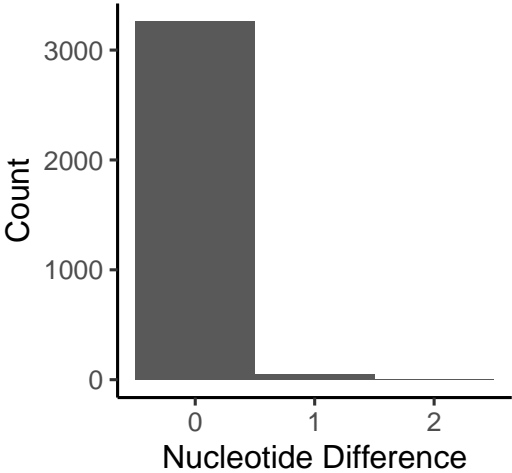
TRBV23–1*ap01

546 sequences assigned
537 (98.4%) exact matches, in which:
534 unique CDR3
13 unique J



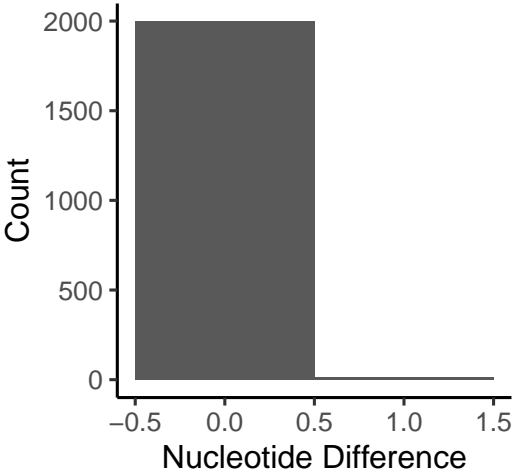
TRBV3-12*ap01

3312 sequences assigned
3261 (98.5%) exact matches, in which:
3237 unique CDR3
13 unique J



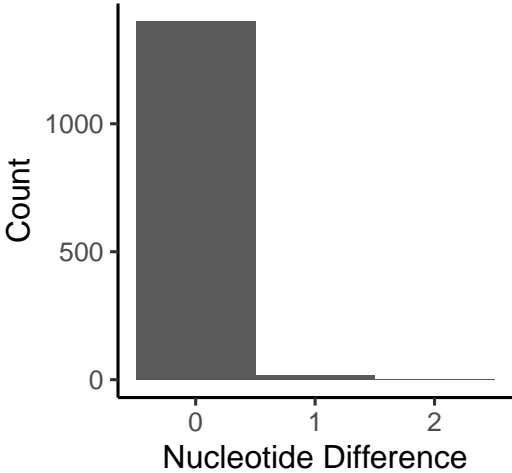
TRBV4-2*ap01

2013 sequences assigned
1998 (99.3%) exact matches, in which:
1970 unique CDR3
13 unique J



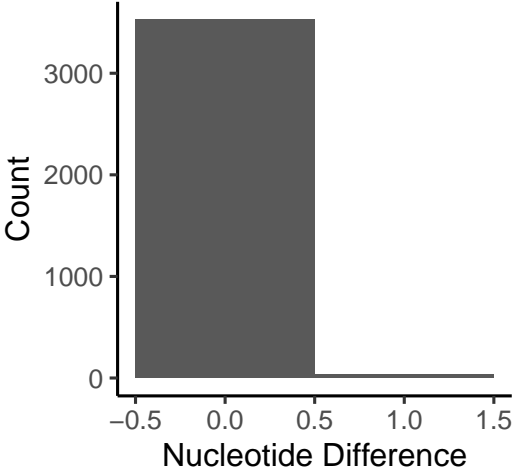
TRBV25-1*ap01

1419 sequences assigned
1400 (98.7%) exact matches, in which:
1372 unique CDR3
13 unique J



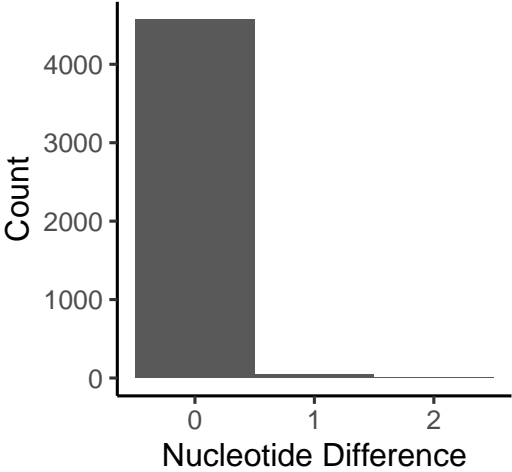
TRBV4-1*ap01

3559 sequences assigned
3527 (99.1%) exact matches, in which:
3442 unique CDR3
13 unique J



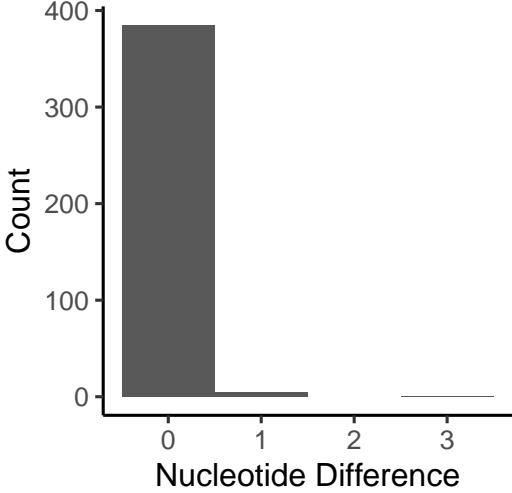
TRBV4-3*ap01

4610 sequences assigned
4568 (99.1%) exact matches, in which:
4454 unique CDR3
13 unique J



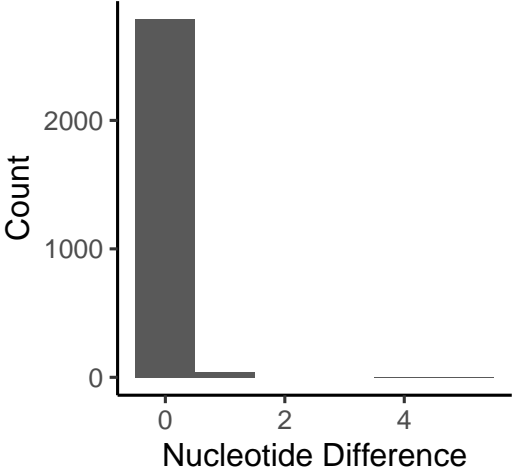
TRBV5-3*ap01

391 sequences assigned
385 (98.5%) exact matches, in which:
379 unique CDR3
13 unique J



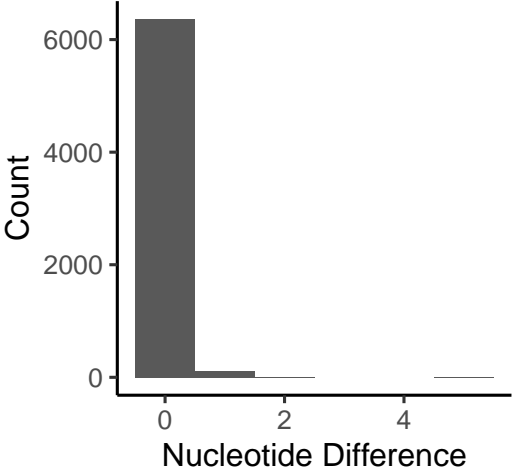
TRBV24-1*ap01

2834 sequences assigned
2789 (98.4%) exact matches, in which:
2750 unique CDR3
13 unique J



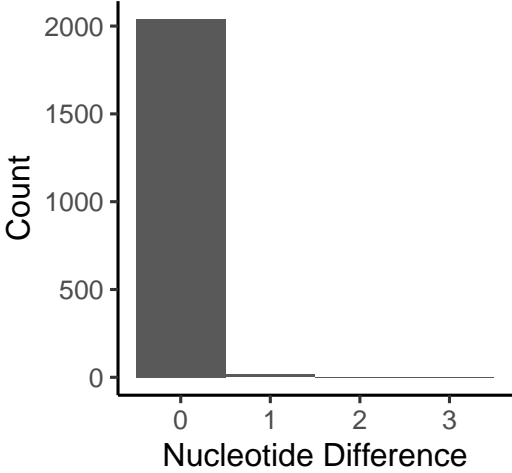
TRBV5-1*ap01

6478 sequences assigned
6365 (98.3%) exact matches, in which:
6234 unique CDR3
13 unique J



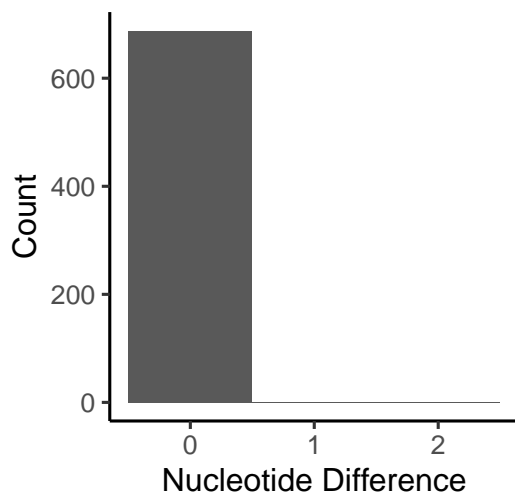
TRBV5-4*ap01

2057 sequences assigned
2040 (99.2%) exact matches, in which:
2016 unique CDR3
13 unique J



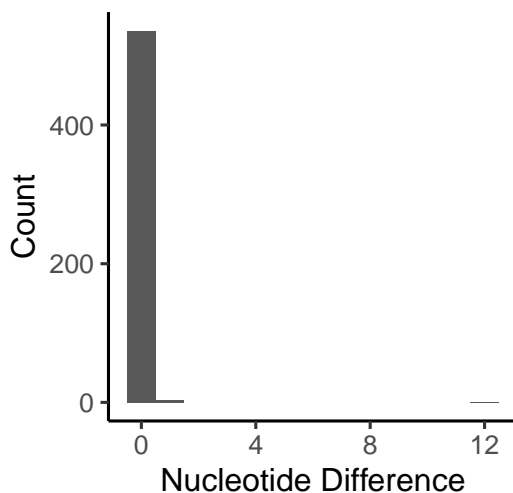
TRBV5-5*ap01

690 sequences assigned
688 (99.7%) exact matches, in which:
680 unique CDR3
13 unique J



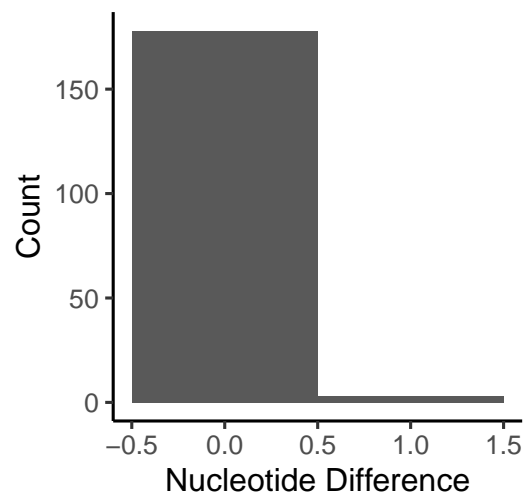
TRBV5-8*ap01

540 sequences assigned
536 (99.3%) exact matches, in which:
531 unique CDR3
13 unique J



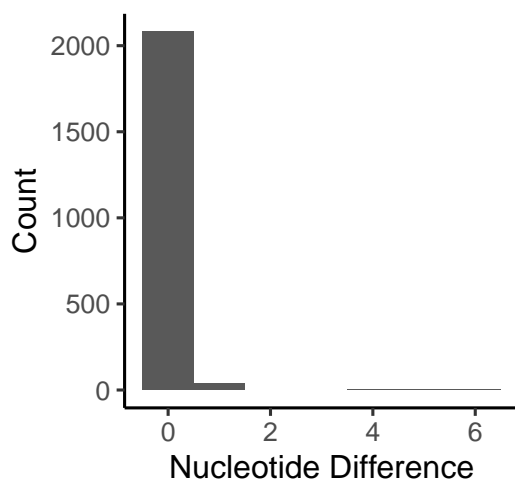
TRBV6-7*ap01

181 sequences assigned
178 (98.3%) exact matches, in which:
177 unique CDR3
13 unique J



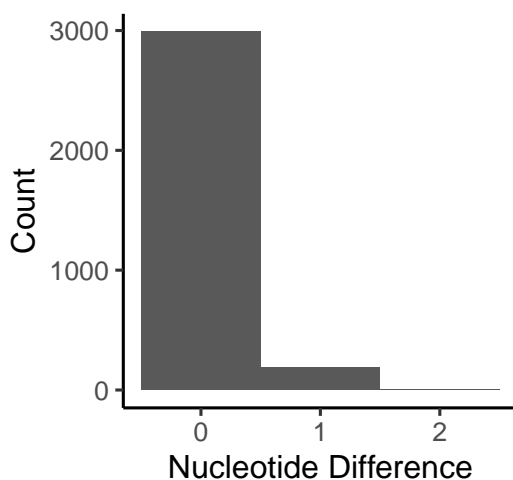
TRBV5-6*ap01

2120 sequences assigned
2081 (98.2%) exact matches, in which:
2017 unique CDR3
13 unique J



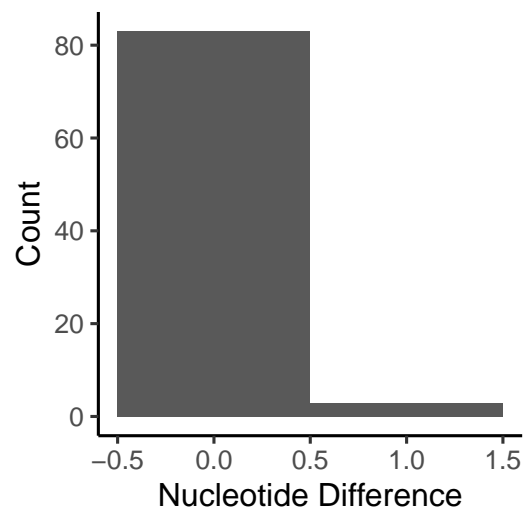
TRBV6-1*ap01

3177 sequences assigned
2990 (94.1%) exact matches, in which:
2933 unique CDR3
13 unique J



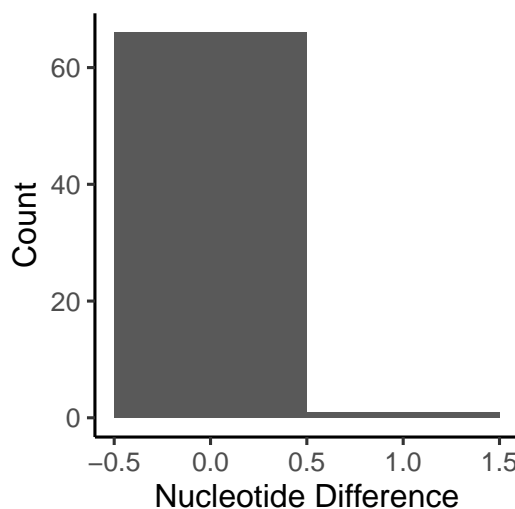
TRBV6-8*ap01

86 sequences assigned
83 (96.5%) exact matches, in which:
81 unique CDR3
12 unique J



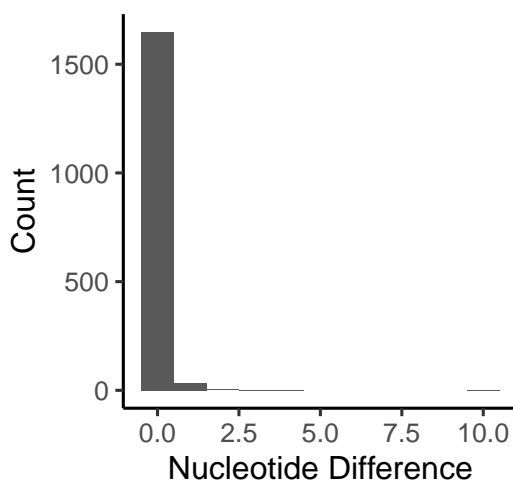
TRBV5-7*ap01

67 sequences assigned
66 (98.5%) exact matches, in which:
65 unique CDR3
12 unique J



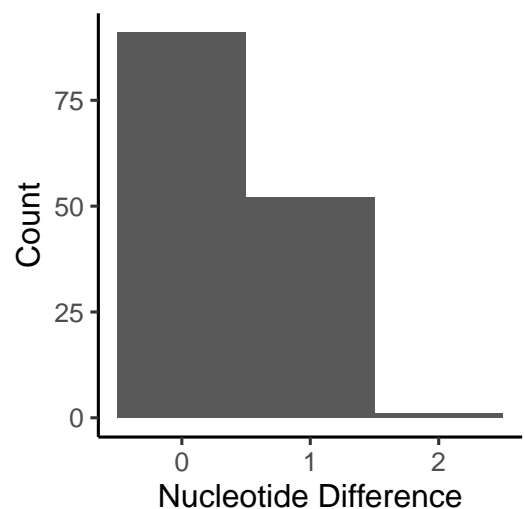
TRBV6-4*ap01

1687 sequences assigned
1648 (97.7%) exact matches, in which:
1629 unique CDR3
13 unique J



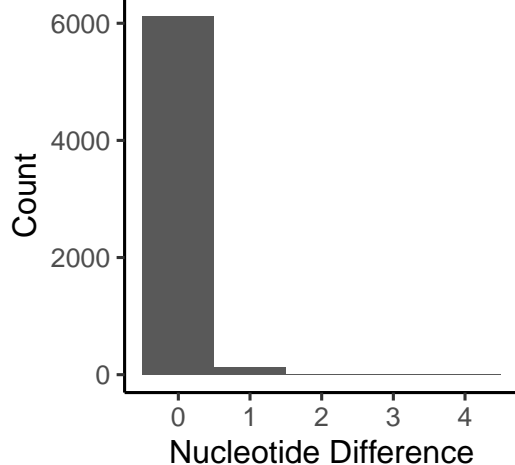
TRBV6-9*ap01

144 sequences assigned
91 (63.2%) exact matches, in which:
89 unique CDR3
12 unique J



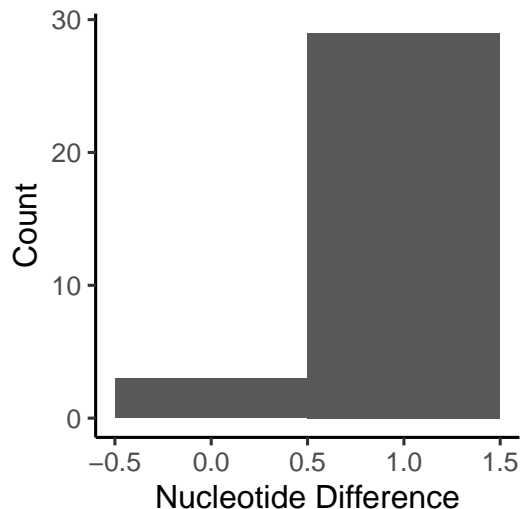
TRBV6-23*ap01

6253 sequences assigned
6117 (97.8%) exact matches, in which:
6004 unique CDR3
13 unique J



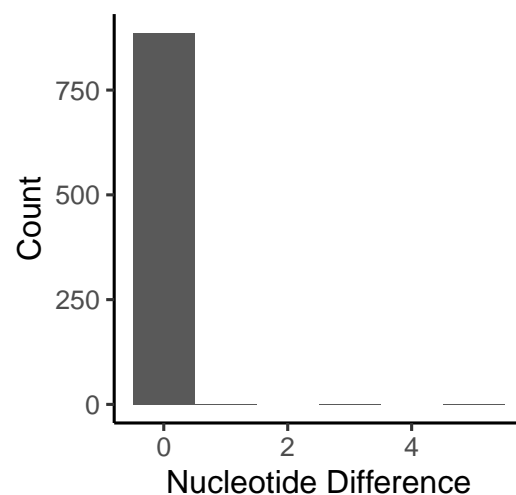
TRBV7-1*ap01_T296C

32 sequences assigned
3 (9.4%) exact matches, in which:
3 unique CDR3
3 unique J



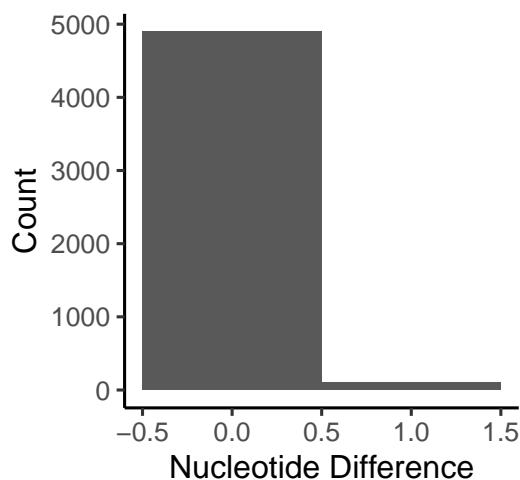
TRBV7-3*ap01_G301A

890 sequences assigned
887 (99.7%) exact matches, in which:
875 unique CDR3
13 unique J



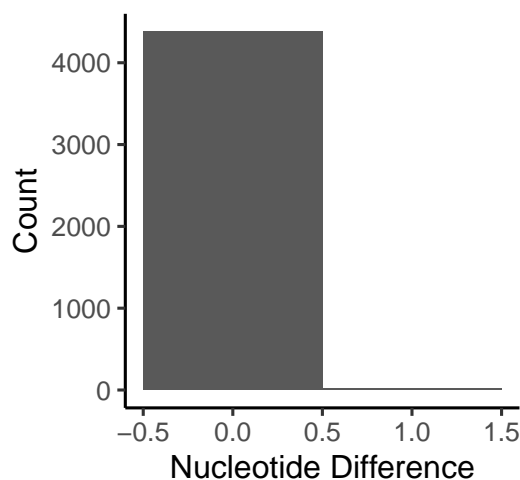
TRBV6-56*ap01

4995 sequences assigned
4897 (98%) exact matches, in which:
4822 unique CDR3
13 unique J



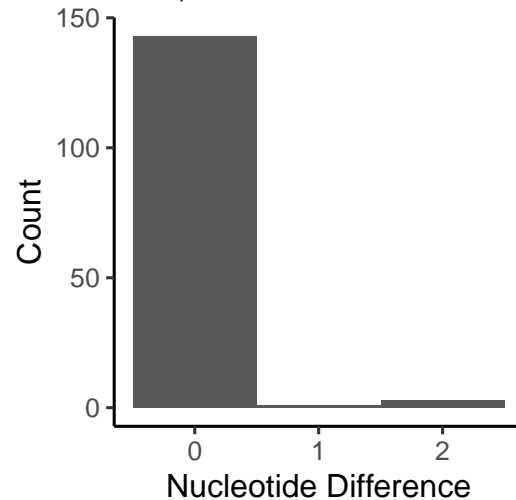
TRBV7-2*ap01

4403 sequences assigned
4379 (99.5%) exact matches, in which:
4341 unique CDR3
13 unique J



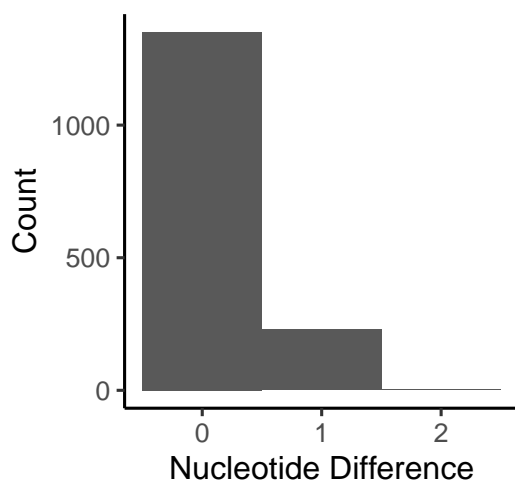
TRBV7-4*ap01

147 sequences assigned
143 (97.3%) exact matches, in which:
138 unique CDR3
12 unique J



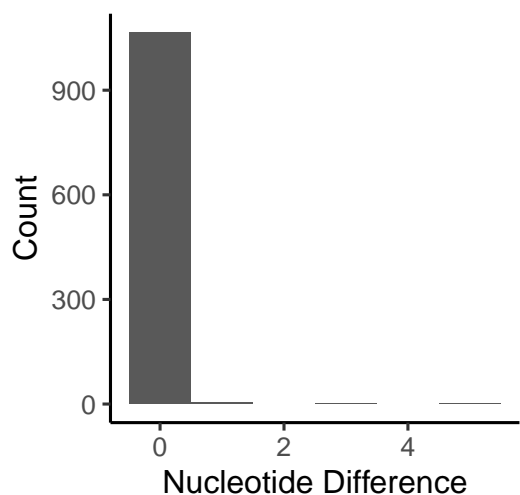
TRBV6-56*ap02

1584 sequences assigned
1351 (85.3%) exact matches, in which:
1327 unique CDR3
13 unique J



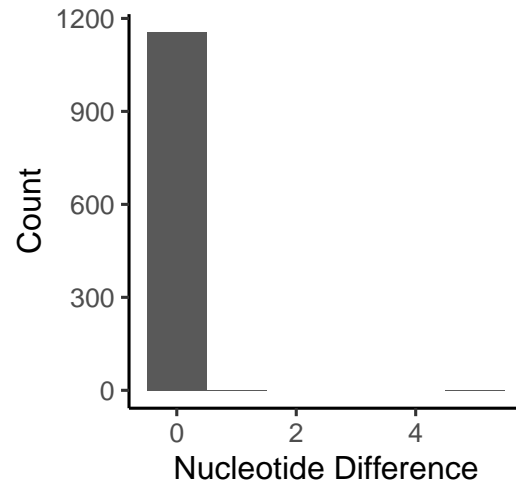
TRBV7-3*ap01

1073 sequences assigned
1066 (99.3%) exact matches, in which:
1052 unique CDR3
13 unique J



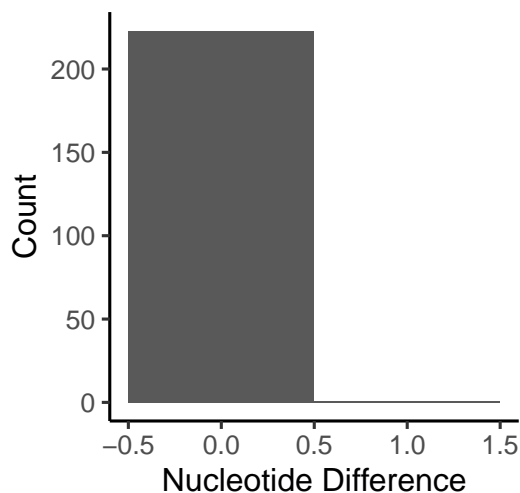
TRBV7-6*ap01

1159 sequences assigned
1156 (99.7%) exact matches, in which:
1136 unique CDR3
13 unique J



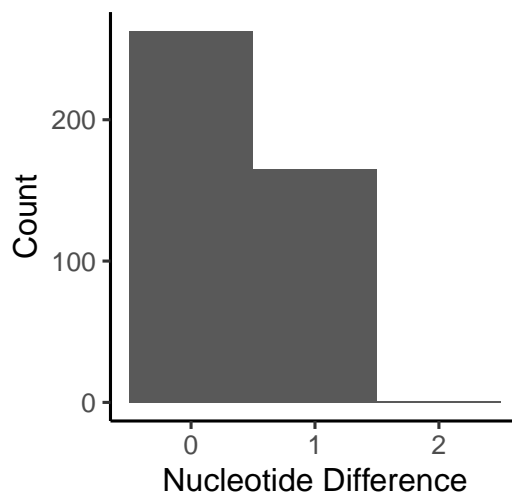
TRBV7-7*ap01

224 sequences assigned
223 (99.6%) exact matches, in which:
220 unique CDR3
13 unique J



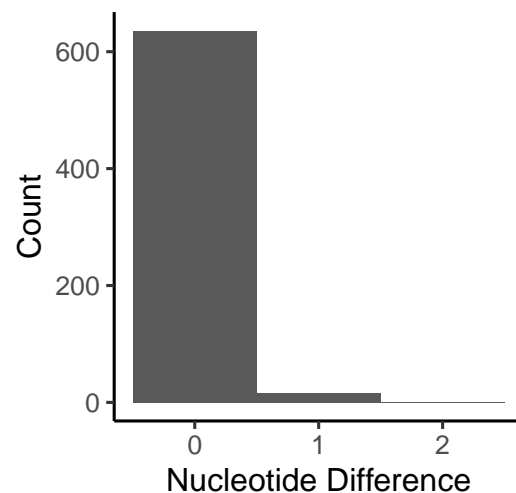
TRBV7-8*ap03

429 sequences assigned
263 (61.3%) exact matches, in which:
262 unique CDR3
13 unique J



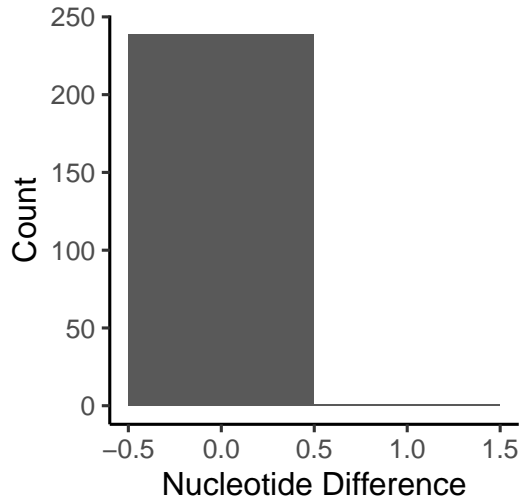
TRBV29-1*ap02

653 sequences assigned
636 (97.4%) exact matches, in which:
595 unique CDR3
13 unique J



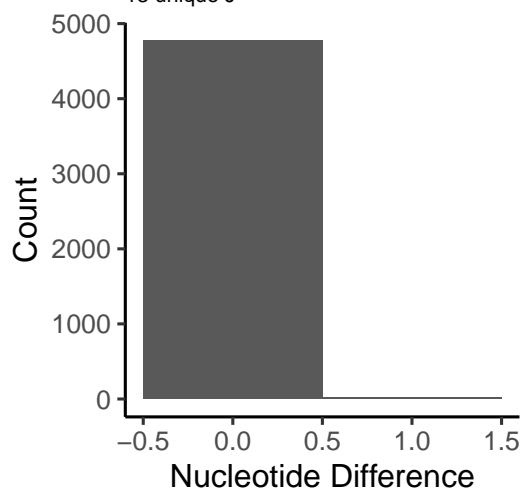
TRBV7-7*ap01_C315T

240 sequences assigned
239 (99.6%) exact matches, in which:
232 unique CDR3
12 unique J



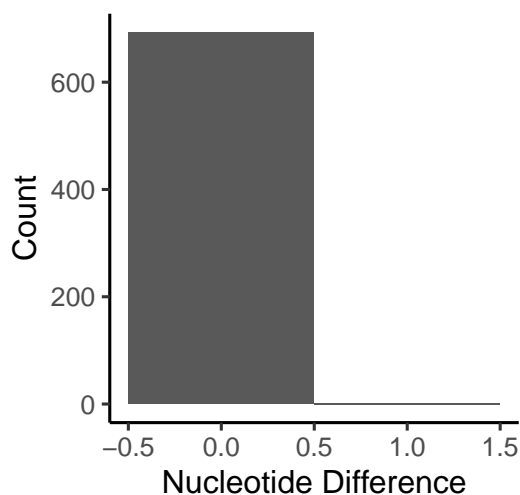
TRBV7-9*ap01

4788 sequences assigned
4772 (99.7%) exact matches, in which:
4708 unique CDR3
13 unique J



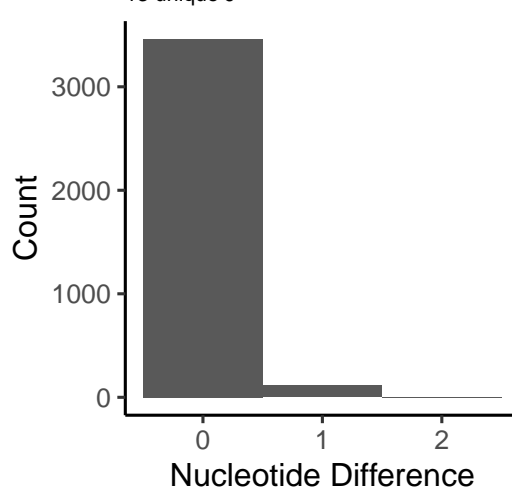
TRBV7-8*ap01

695 sequences assigned
693 (99.7%) exact matches, in which:
687 unique CDR3
13 unique J

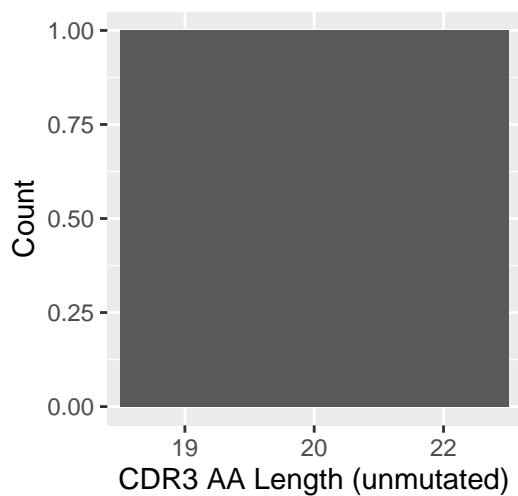


TRBV29-1*ap01

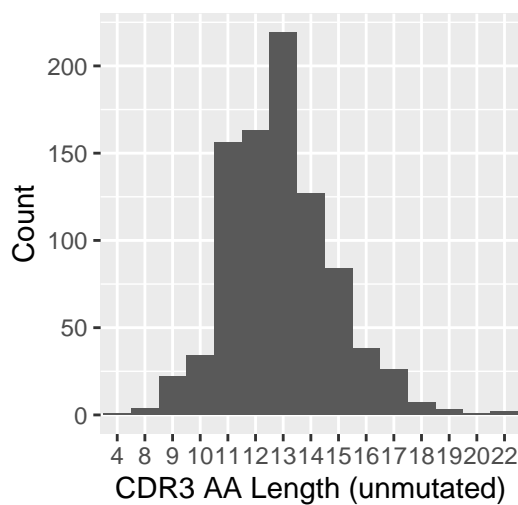
3577 sequences assigned
3461 (96.8%) exact matches, in which:
3259 unique CDR3
13 unique J



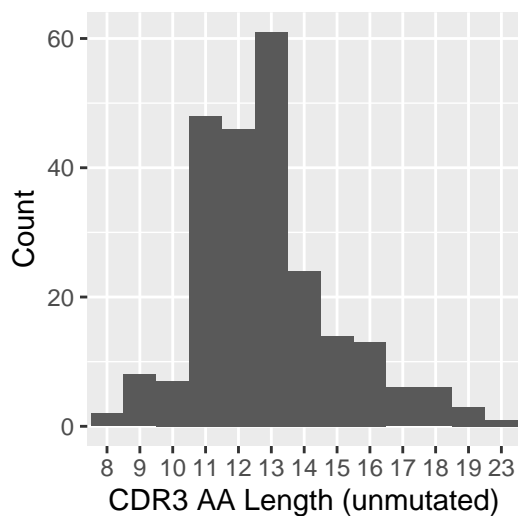
TRBV7-1*ap01_T296C



TRBV7-3*ap01_G301A



TRBV7-7*ap01_C315T





[illegible]