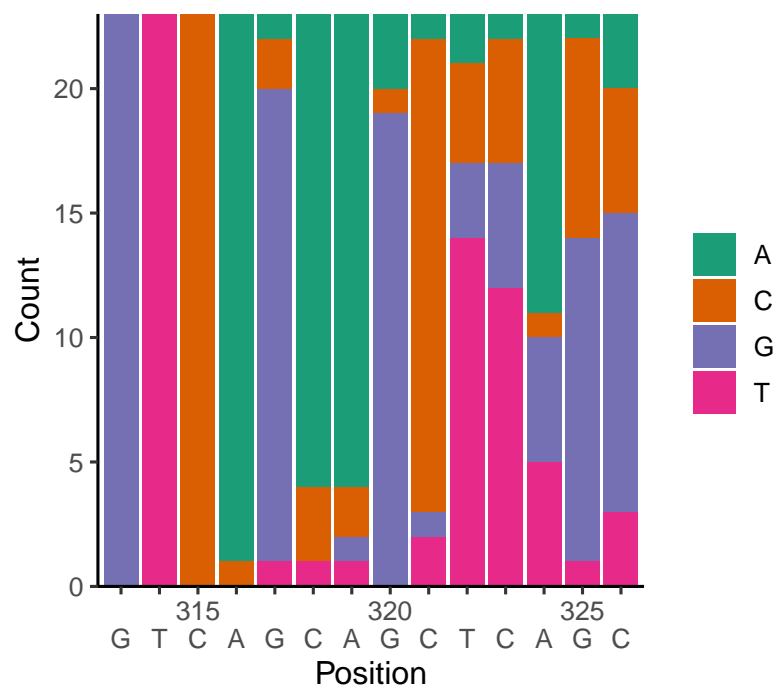
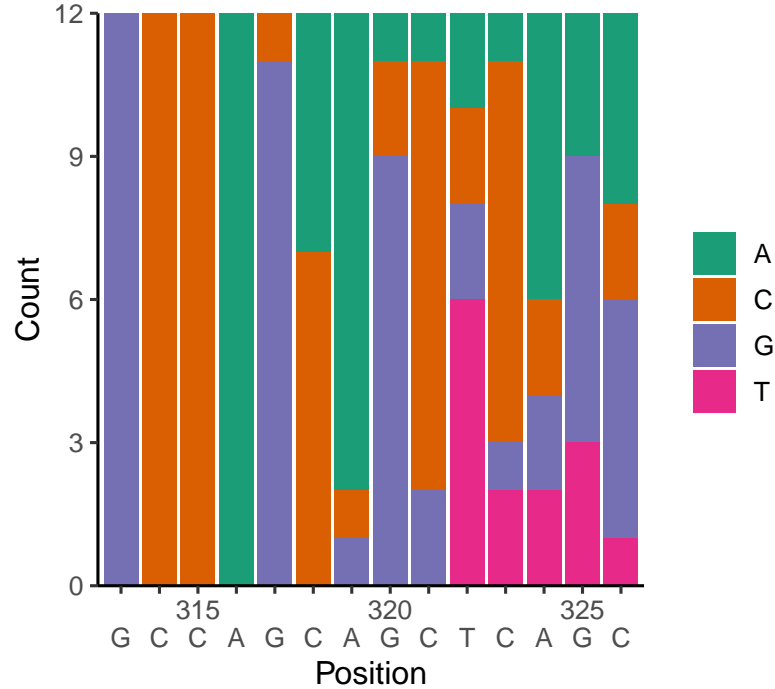


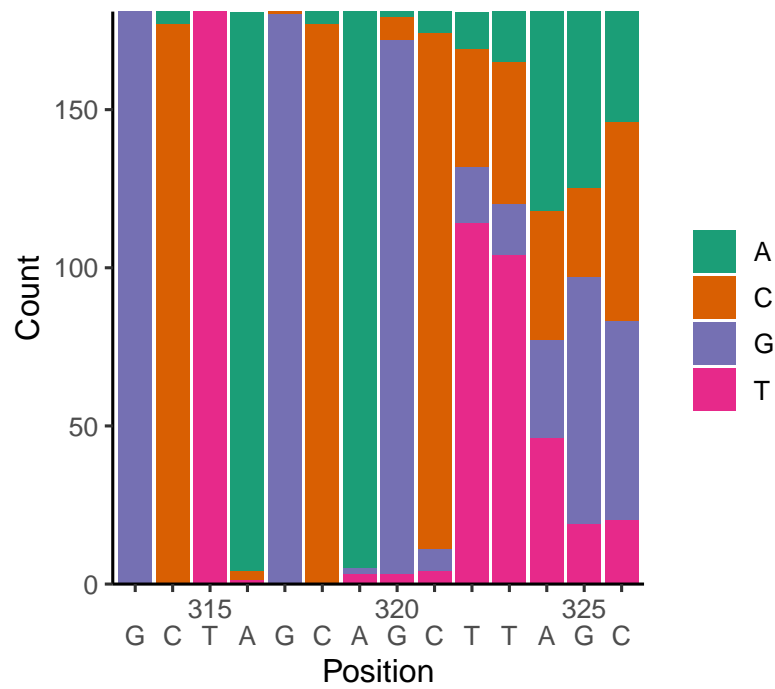
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_T296C_C314T



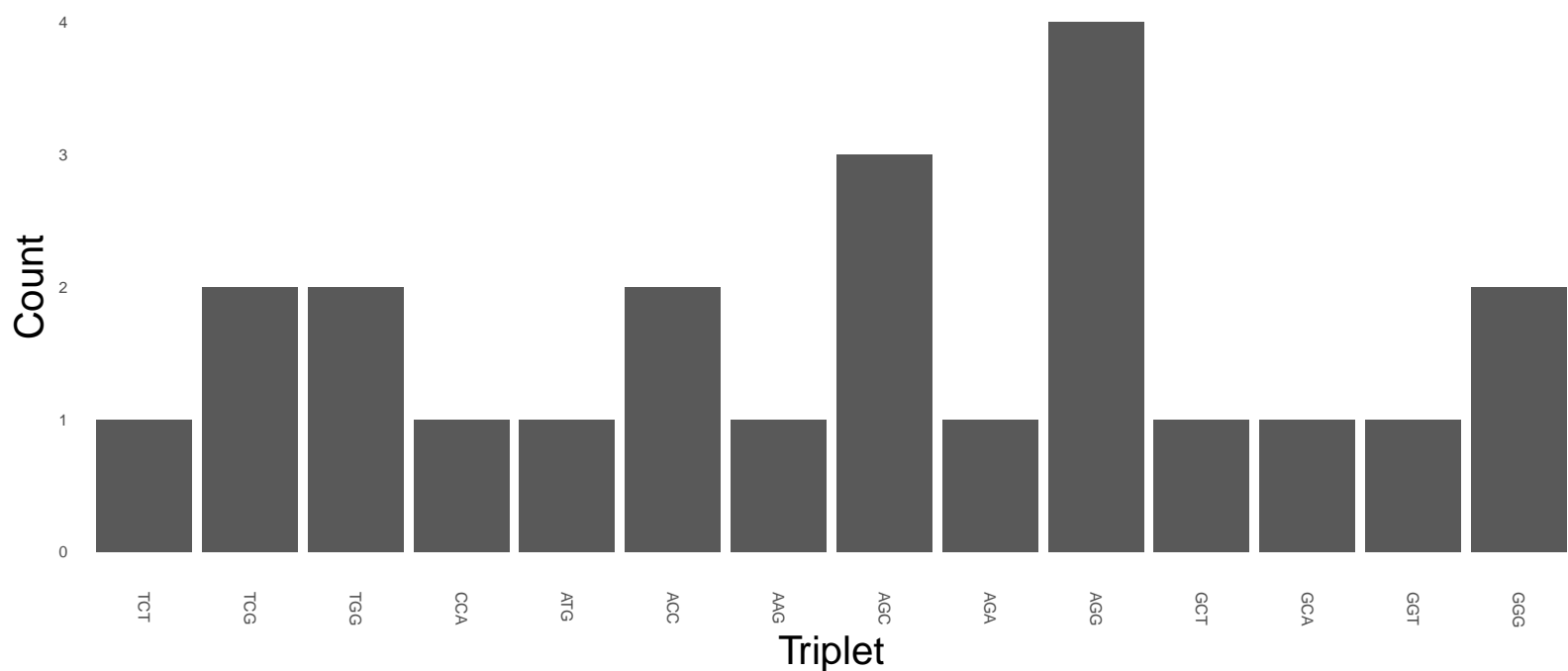
Gene TRBV7-1*ap01_T296C



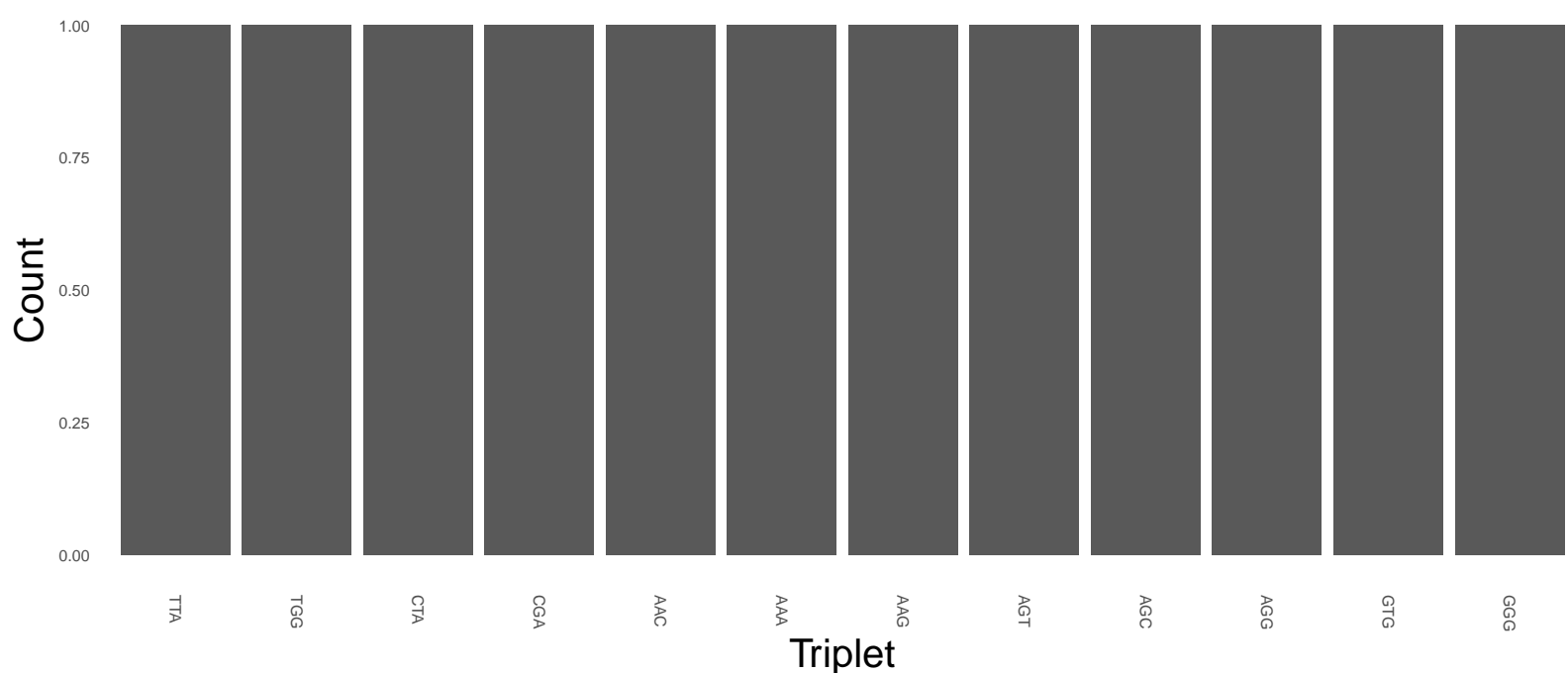
Gene TRBV7-7*ap01_C315T



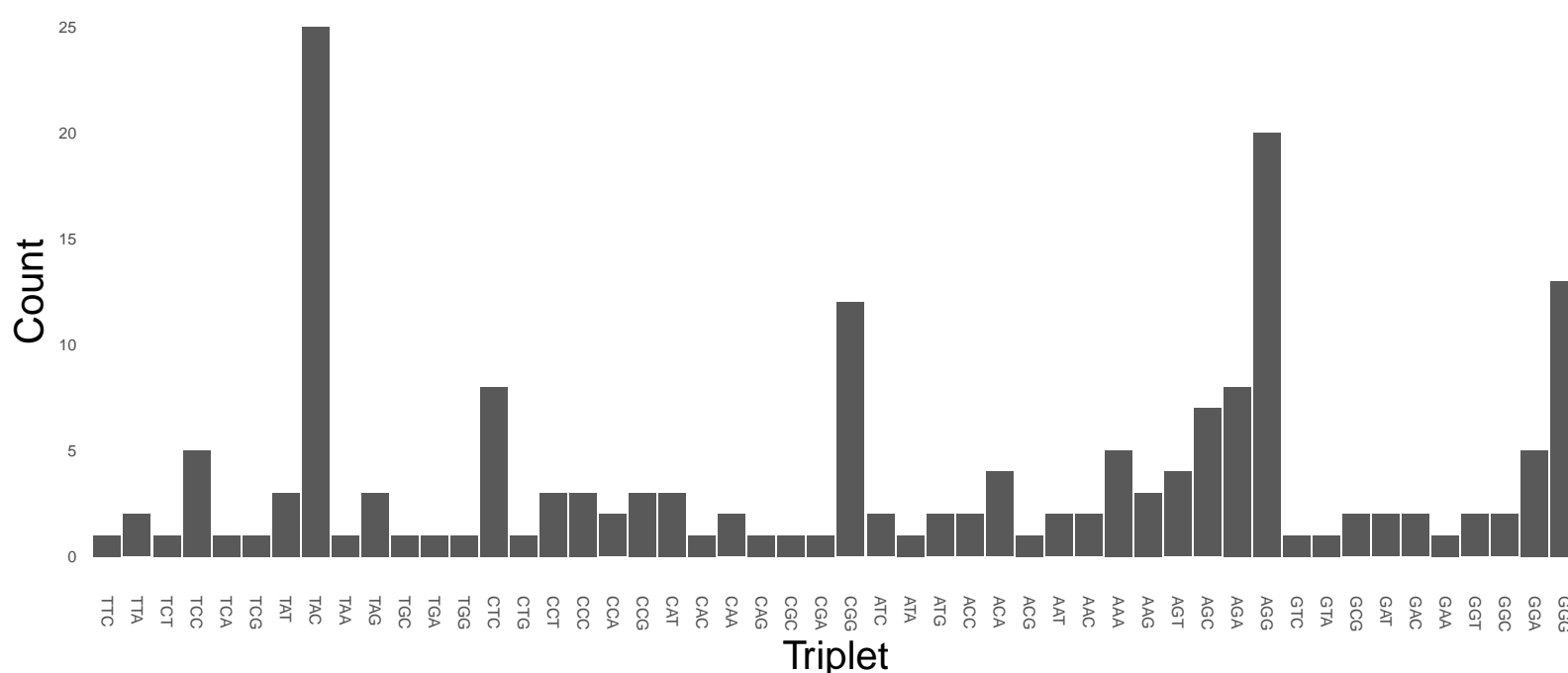
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



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

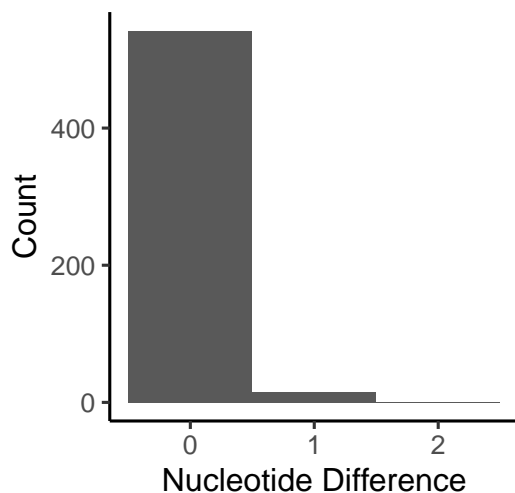


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



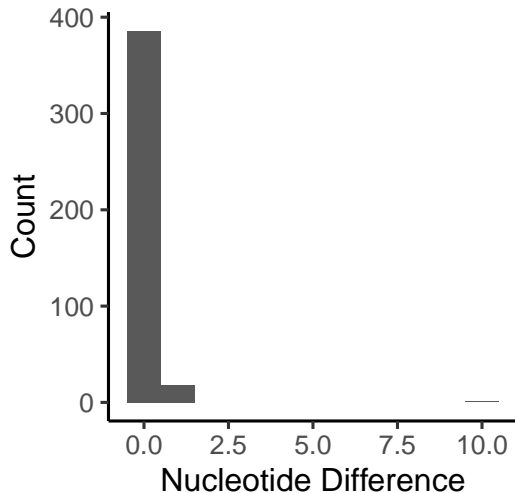
TRBV10–1*ap01

558 sequences assigned
542 (97.1%) exact matches, in which:
535 unique CDR3
13 unique J



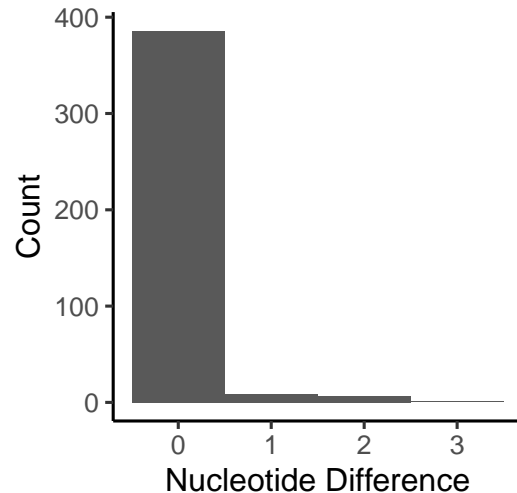
TRBV10–2*ap01

405 sequences assigned
386 (95.3%) exact matches, in which:
379 unique CDR3
13 unique J



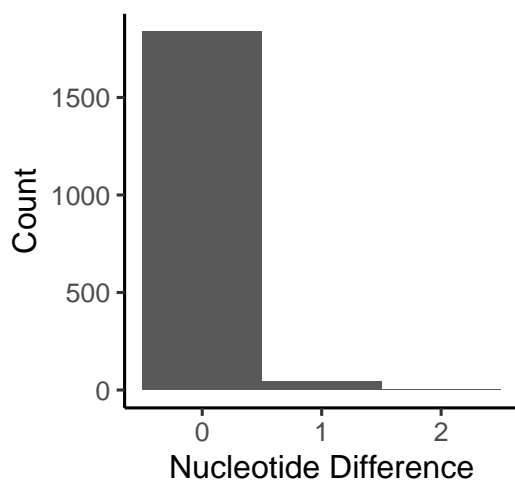
TRBV13*ap01

403 sequences assigned
386 (95.8%) exact matches, in which:
384 unique CDR3
13 unique J



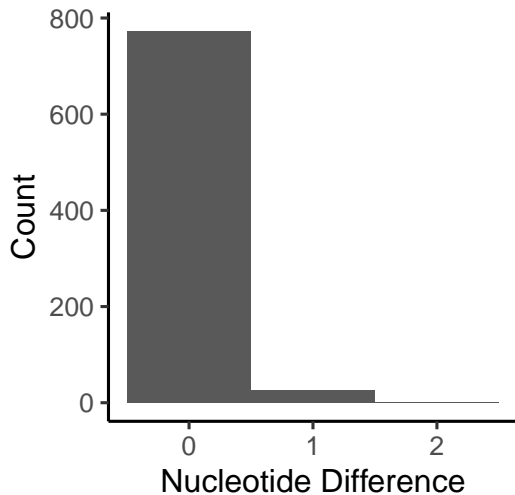
TRBV20–1*ap01

1885 sequences assigned
1837 (97.5%) exact matches, in which:
1829 unique CDR3
13 unique J



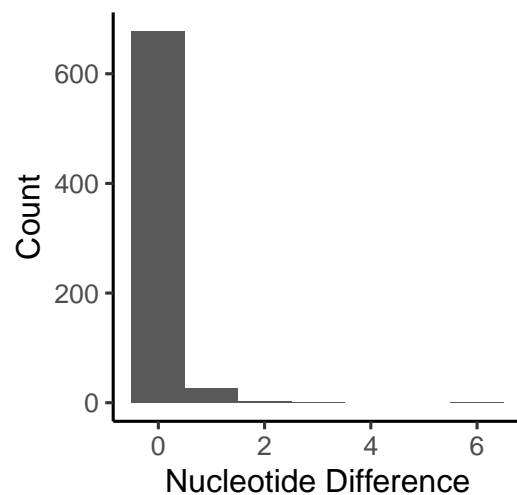
TRBV10–3*ap01

801 sequences assigned
773 (96.5%) exact matches, in which:
767 unique CDR3
13 unique J



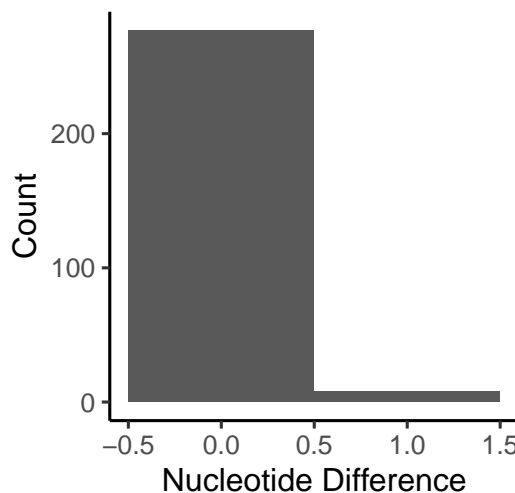
TRBV14*ap01

709 sequences assigned
678 (95.6%) exact matches, in which:
671 unique CDR3
13 unique J



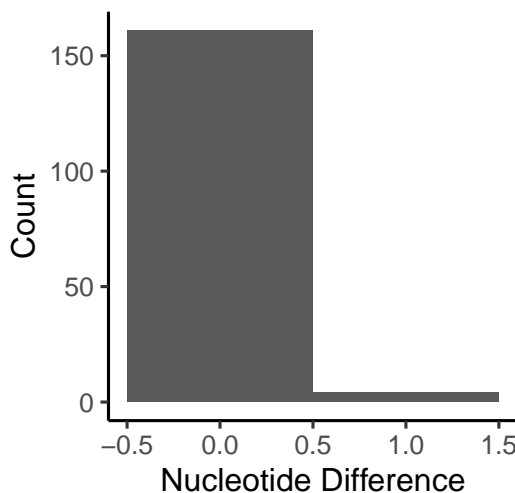
TRBV20–1*ap02

285 sequences assigned
277 (97.2%) exact matches, in which:
277 unique CDR3
13 unique J



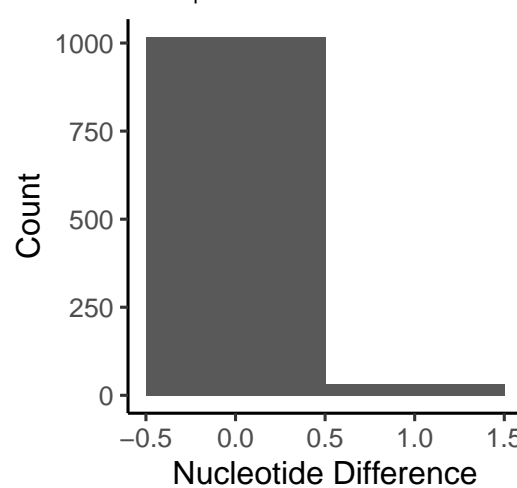
TRBV1*ap01

165 sequences assigned
161 (97.6%) exact matches, in which:
159 unique CDR3
13 unique J



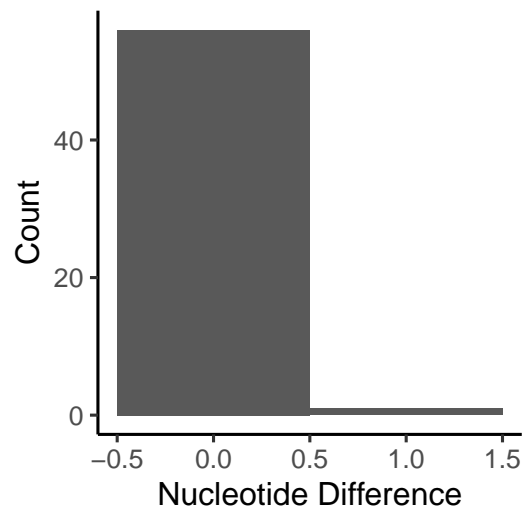
TRBV15*ap02

1050 sequences assigned
1017 (96.9%) exact matches, in which:
1004 unique CDR3
13 unique J



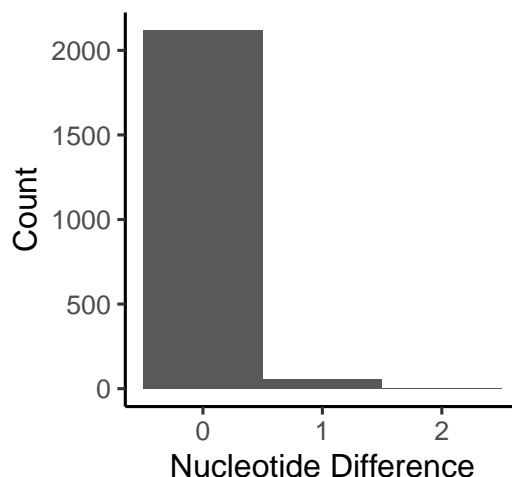
TRBV16*ap01

57 sequences assigned
56 (98.2%) exact matches, in which:
55 unique CDR3
12 unique J



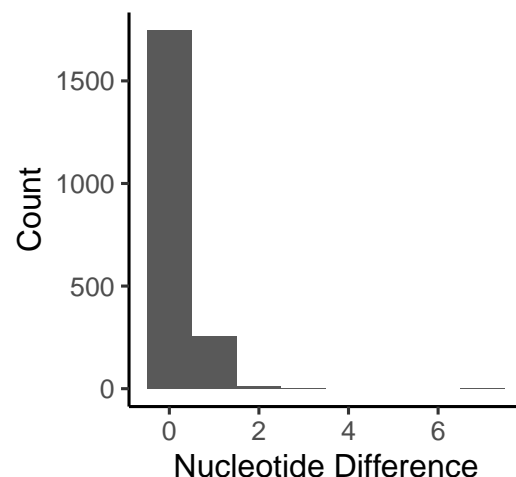
TRBV2*ap01

2178 sequences assigned
2118 (97.2%) exact matches, in which:
2106 unique CDR3
13 unique J



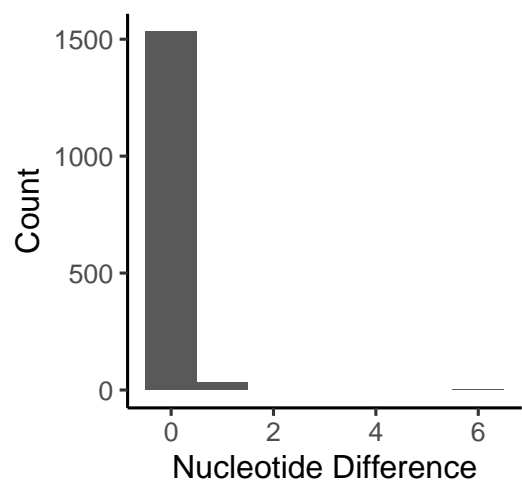
TRBV30*ap01

2017 sequences assigned
1746 (86.6%) exact matches, in which:
1703 unique CDR3
13 unique J



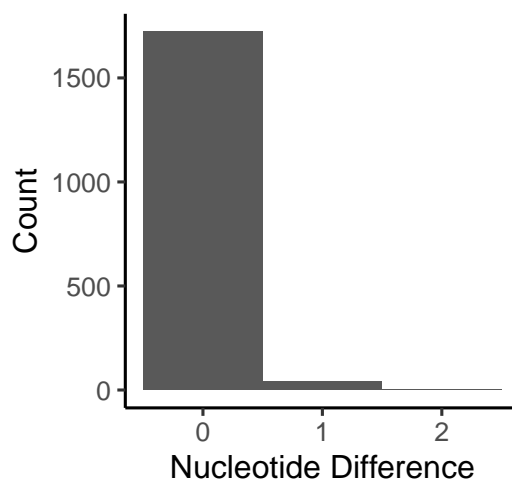
TRBV18*ap01

1563 sequences assigned
1532 (98%) exact matches, in which:
1529 unique CDR3
13 unique J



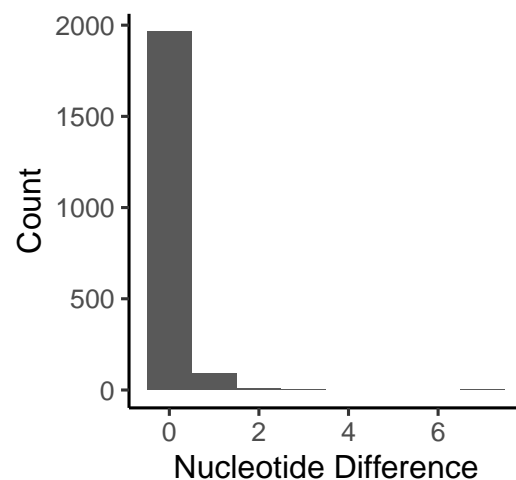
TRBV27*ap01

1764 sequences assigned
1722 (97.6%) exact matches, in which:
1703 unique CDR3
13 unique J



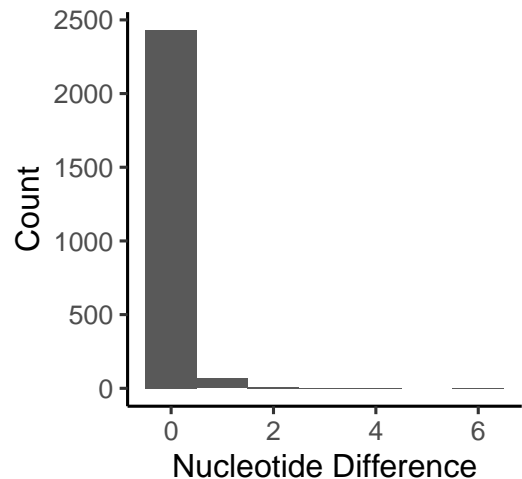
TRBV9*ap01

2065 sequences assigned
1964 (95.1%) exact matches, in which:
1947 unique CDR3
13 unique J



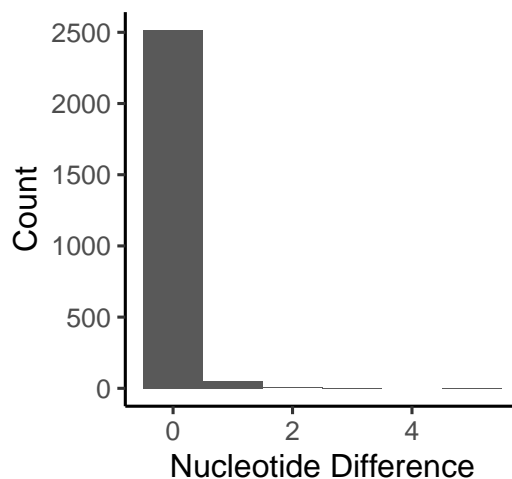
TRBV19*ap01

2508 sequences assigned
2431 (96.9%) exact matches, in which:
2414 unique CDR3
13 unique J



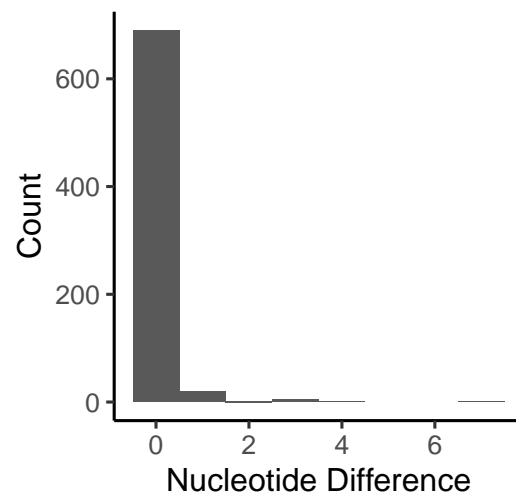
TRBV28*ap01

2578 sequences assigned
2516 (97.6%) exact matches, in which:
2497 unique CDR3
13 unique J



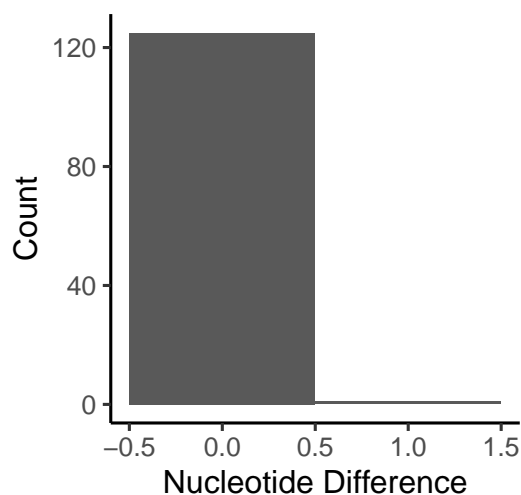
TRBV21-1*ap01

718 sequences assigned
690 (96.1%) exact matches, in which:
683 unique CDR3
13 unique J



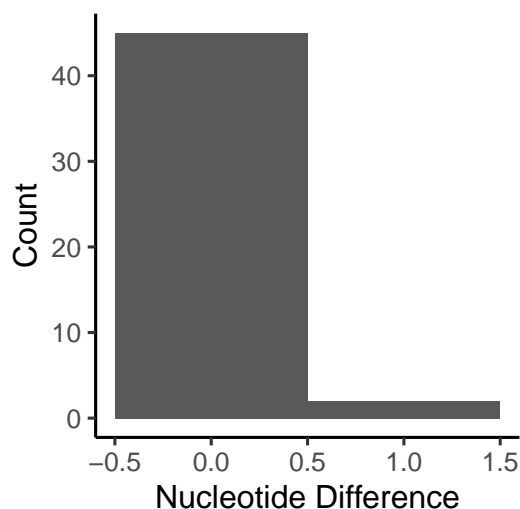
TRBV11-1*ap01

126 sequences assigned
125 (99.2%) exact matches, in which:
123 unique CDR3
13 unique J



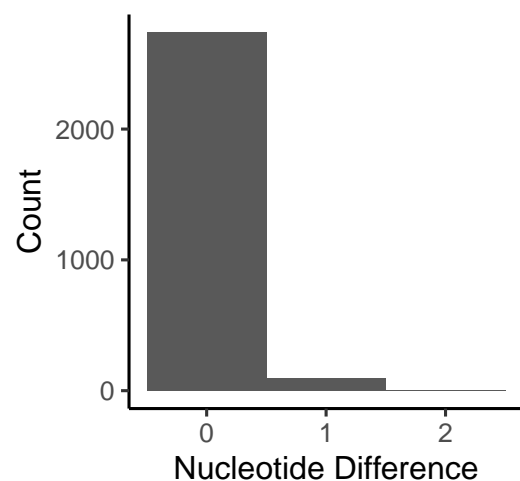
TRBV12-1*ap01

47 sequences assigned
45 (95.7%) exact matches, in which:
44 unique CDR3
11 unique J



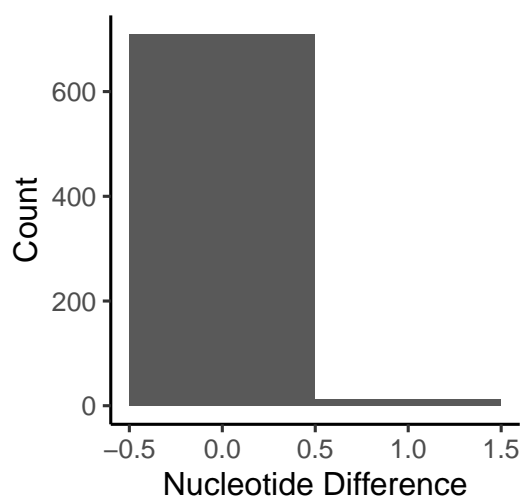
TRBV12-34*ap01

2836 sequences assigned
2739 (96.6%) exact matches, in which:
2709 unique CDR3
13 unique J



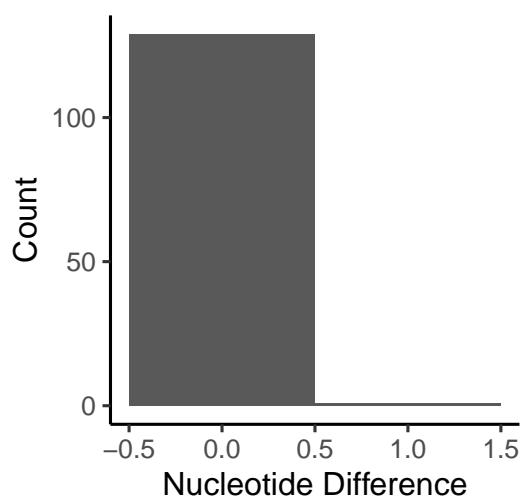
TRBV11-2*ap01

723 sequences assigned
710 (98.2%) exact matches, in which:
702 unique CDR3
13 unique J



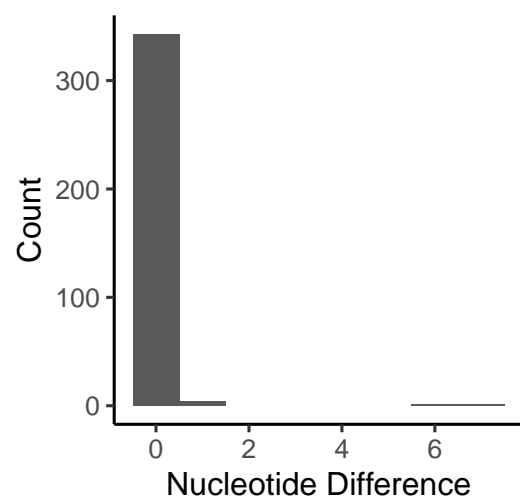
TRBV12-2*ap01

130 sequences assigned
129 (99.2%) exact matches, in which:
129 unique CDR3
12 unique J



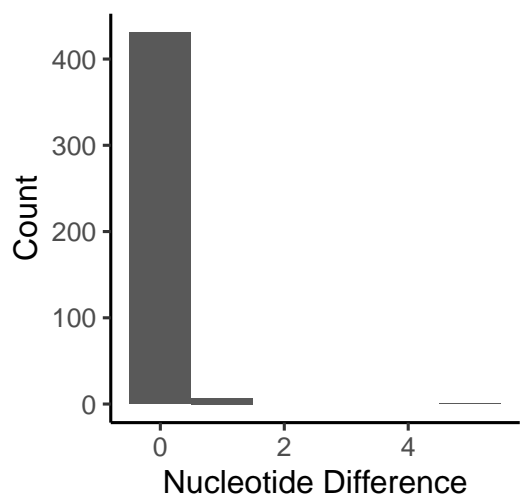
TRBV23-1*ap01

349 sequences assigned
343 (98.3%) exact matches, in which:
339 unique CDR3
13 unique J



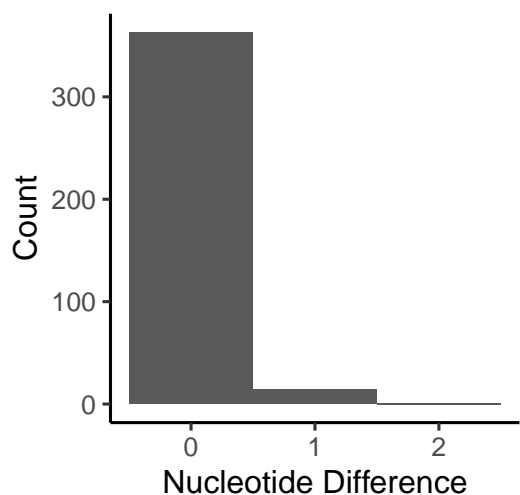
TRBV11-3*ap01

439 sequences assigned
431 (98.2%) exact matches, in which:
428 unique CDR3
13 unique J



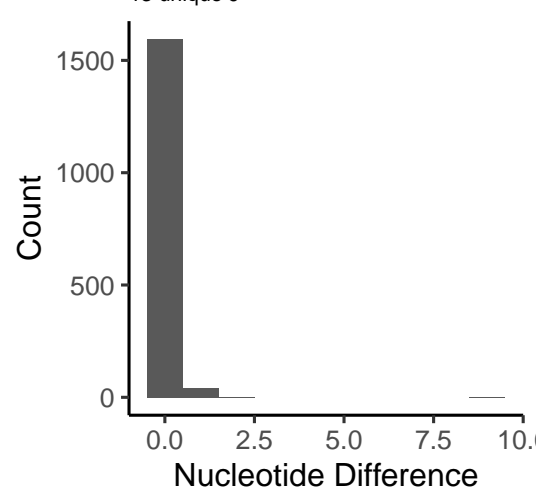
TRBV12-5*ap01

378 sequences assigned
363 (96%) exact matches, in which:
361 unique CDR3
13 unique J



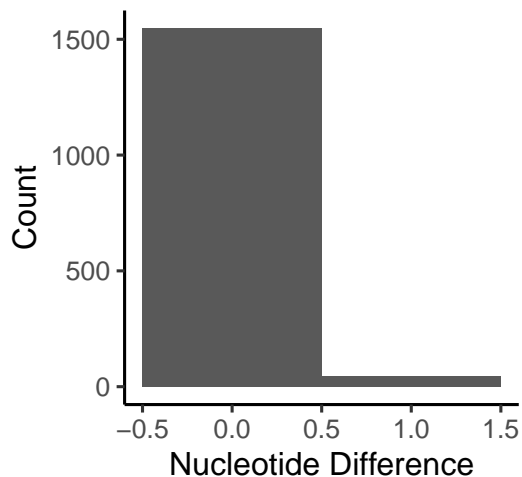
TRBV3-12*ap01

1639 sequences assigned
1595 (97.3%) exact matches, in which:
1586 unique CDR3
13 unique J



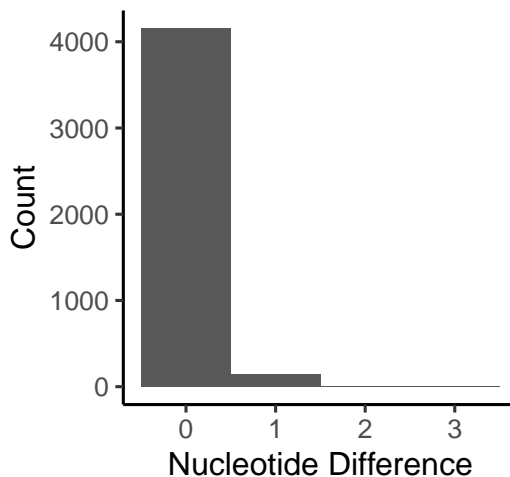
TRBV4-1*ap01

1592 sequences assigned
1547 (97.2%) exact matches, in which:
1532 unique CDR3
13 unique J



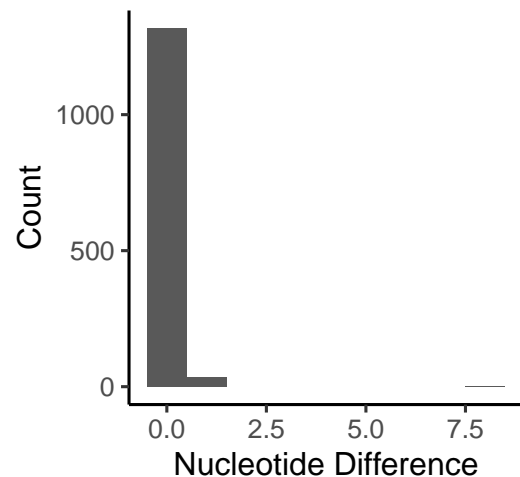
TRBV5-1*ap01

4300 sequences assigned
4155 (96.6%) exact matches, in which:
4125 unique CDR3
13 unique J



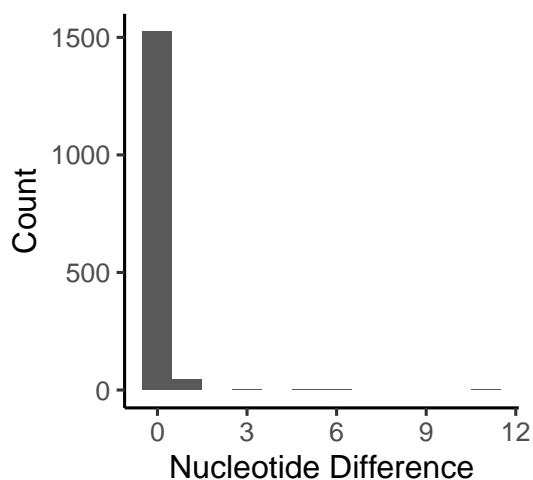
TRBV5-4*ap01

1354 sequences assigned
1317 (97.3%) exact matches, in which:
1305 unique CDR3
13 unique J



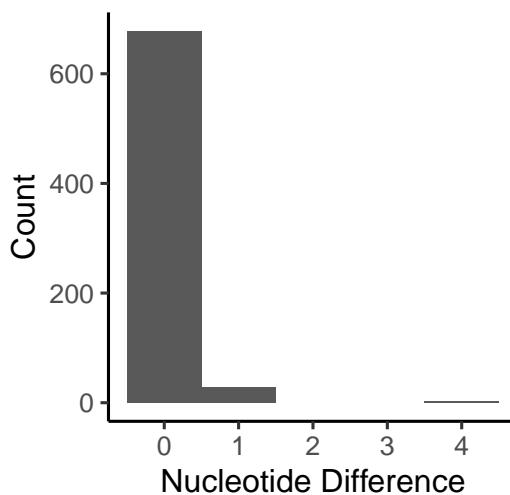
TRBV24-1*ap01

1574 sequences assigned
1524 (96.8%) exact matches, in which:
1512 unique CDR3
13 unique J



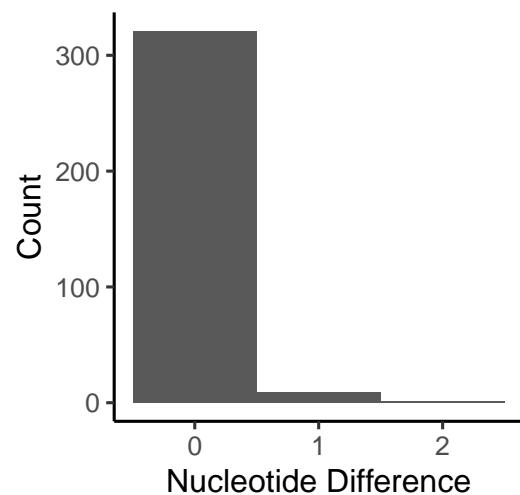
TRBV25-1*ap01

708 sequences assigned
678 (95.8%) exact matches, in which:
673 unique CDR3
13 unique J



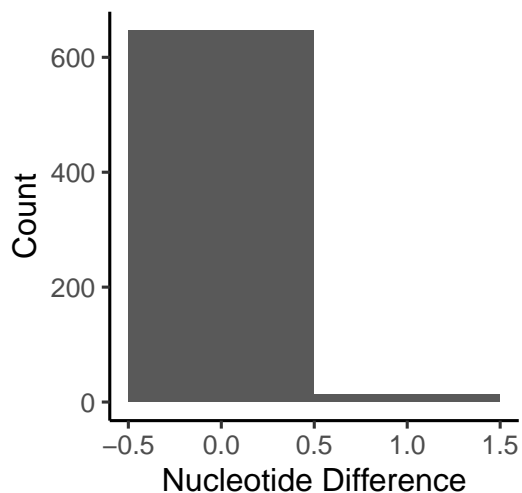
TRBV5-5*ap01

331 sequences assigned
321 (97%) exact matches, in which:
319 unique CDR3
13 unique J



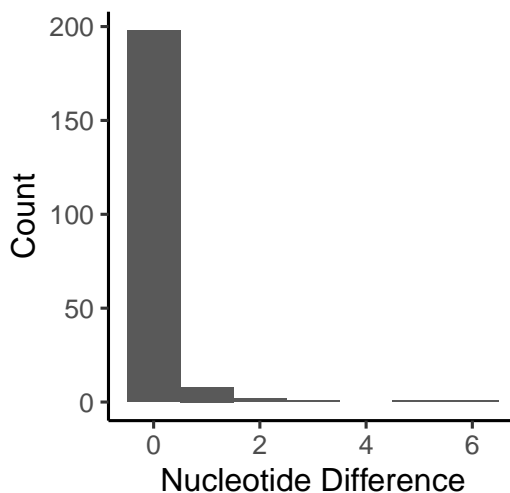
TRBV4-2*ap01

660 sequences assigned
647 (98%) exact matches, in which:
637 unique CDR3
13 unique J



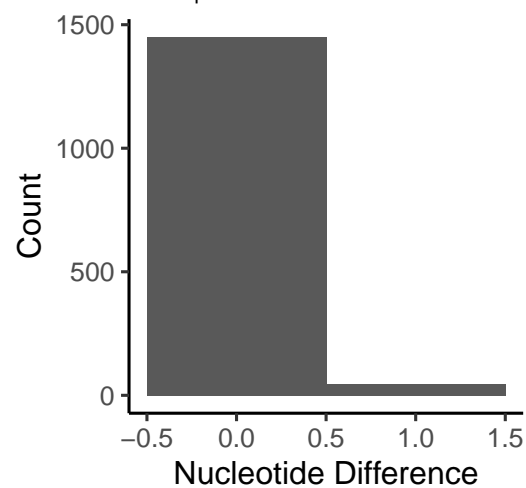
TRBV5-3*ap01

211 sequences assigned
198 (93.8%) exact matches, in which:
194 unique CDR3
13 unique J



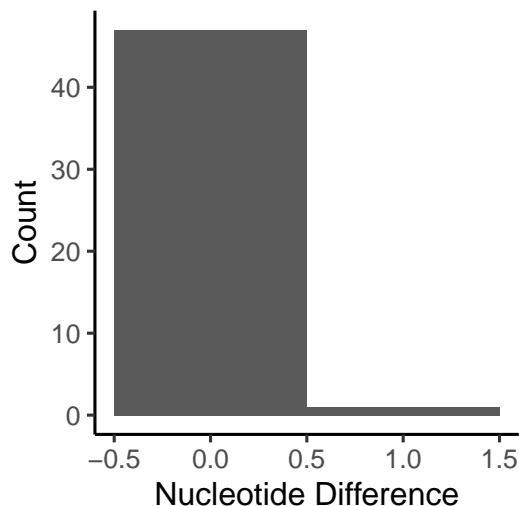
TRBV5-6*ap01

1497 sequences assigned
1450 (96.9%) exact matches, in which:
1419 unique CDR3
13 unique J



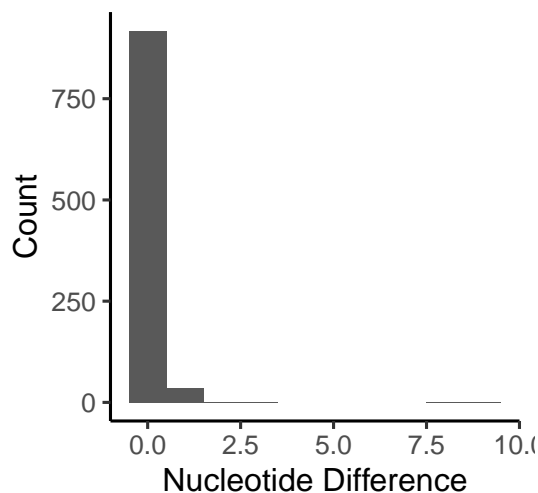
TRBV5-7*ap01

48 sequences assigned
47 (97.9%) exact matches, in which:
47 unique CDR3
12 unique J



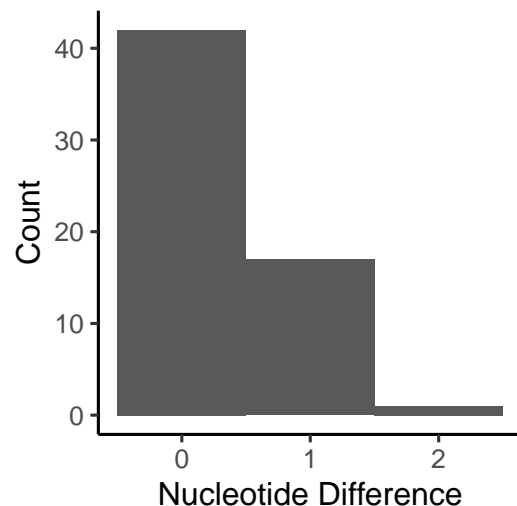
TRBV6-4*ap01

958 sequences assigned
918 (95.8%) exact matches, in which:
910 unique CDR3
13 unique J



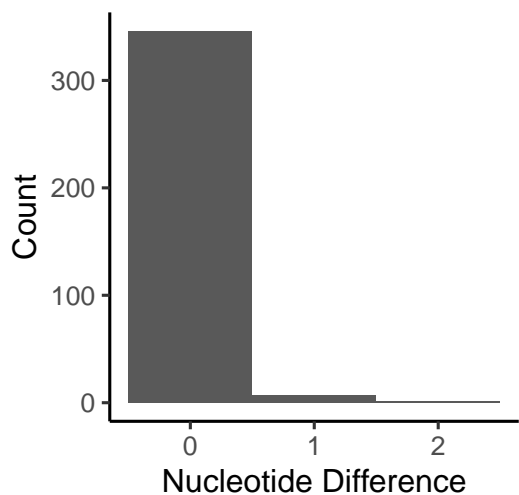
TRBV6-9*ap01

60 sequences assigned
42 (70%) exact matches, in which:
42 unique CDR3
10 unique J



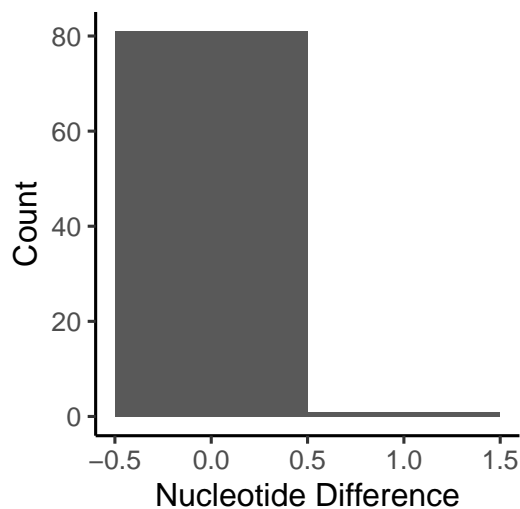
TRBV5-8*ap01

354 sequences assigned
346 (97.7%) exact matches, in which:
346 unique CDR3
13 unique J



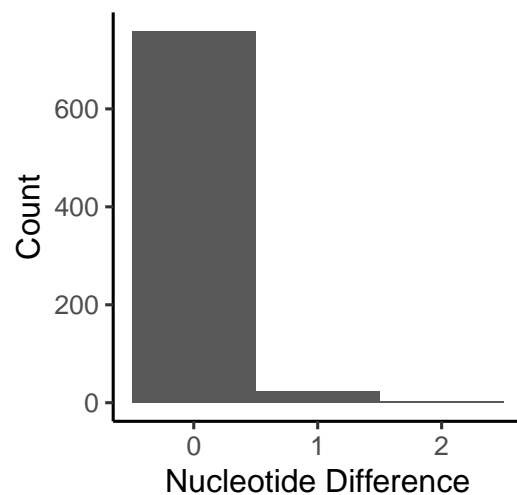
TRBV6-7*ap01

82 sequences assigned
81 (98.8%) exact matches, in which:
79 unique CDR3
12 unique J



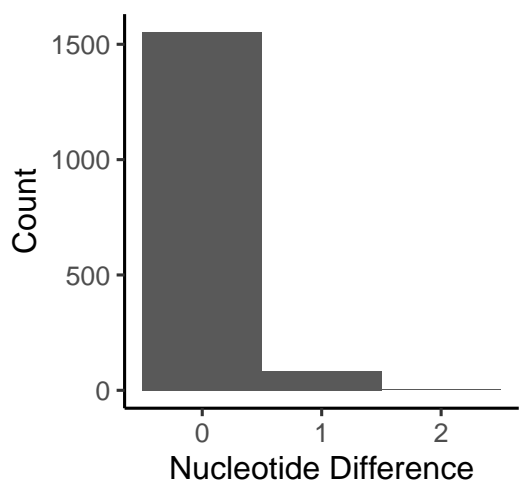
TRBV6-23*ap01

786 sequences assigned
759 (96.6%) exact matches, in which:
748 unique CDR3
13 unique J



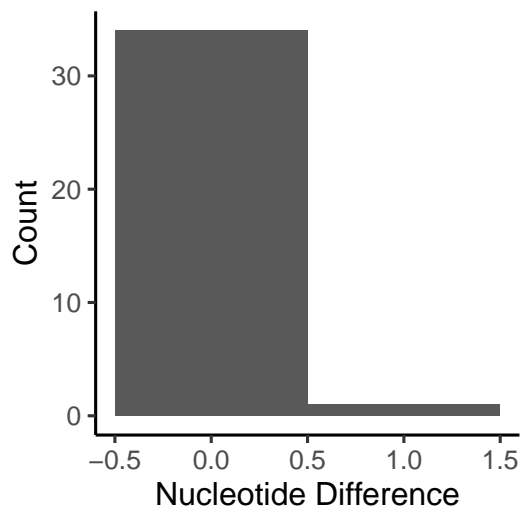
TRBV6-1*ap01

1641 sequences assigned
1553 (94.6%) exact matches, in which:
1531 unique CDR3
13 unique J



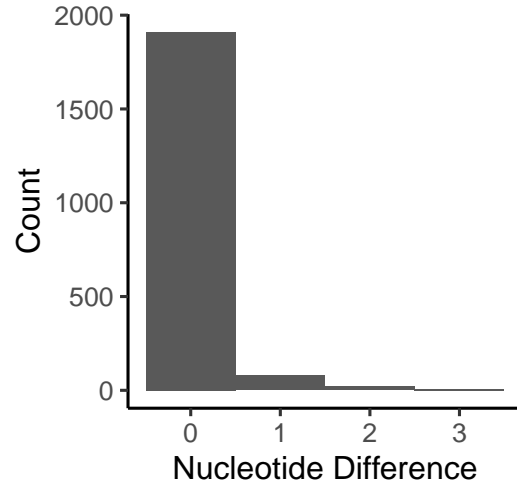
TRBV6-8*ap01

35 sequences assigned
34 (97.1%) exact matches, in which:
34 unique CDR3
10 unique J



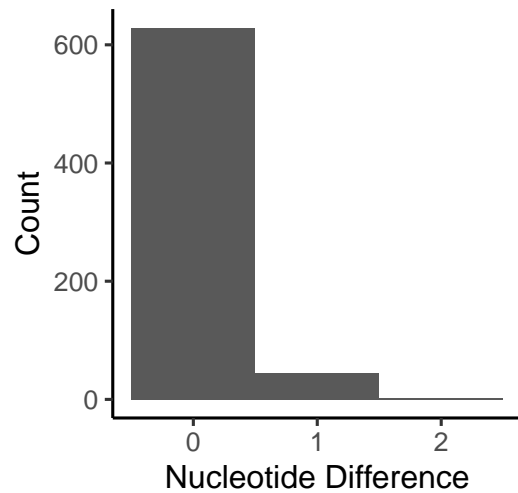
TRBV6-56*ap01

2016 sequences assigned
1910 (94.7%) exact matches, in which:
1881 unique CDR3
13 unique J



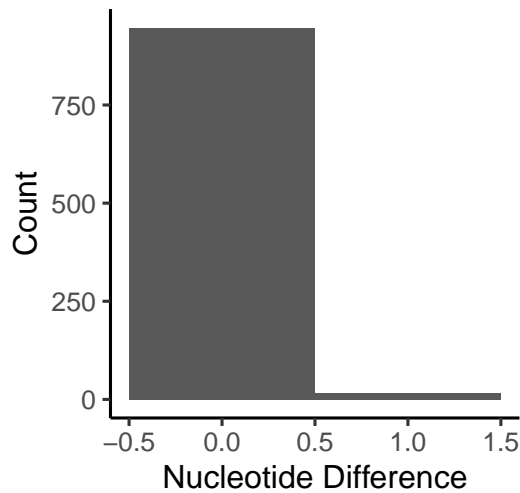
TRBV6–56*ap02

676 sequences assigned
629 (93%) exact matches, in which:
621 unique CDR3
13 unique J



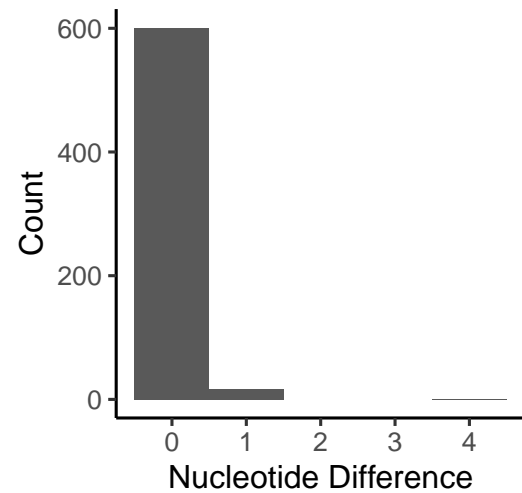
TRBV7–2*ap01

963 sequences assigned
947 (98.3%) exact matches, in which:
937 unique CDR3
13 unique J



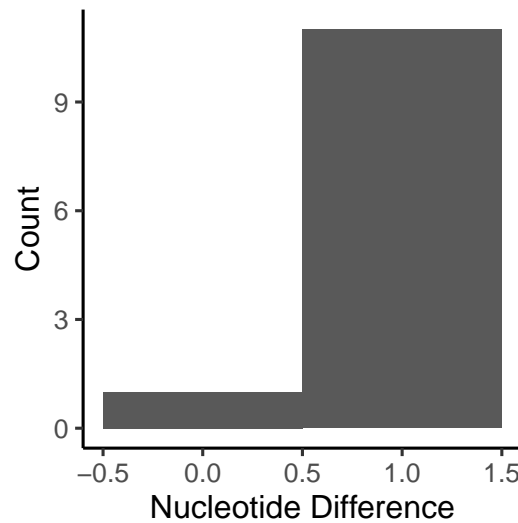
TRBV7–6*ap01

619 sequences assigned
601 (97.1%) exact matches, in which:
597 unique CDR3
13 unique J



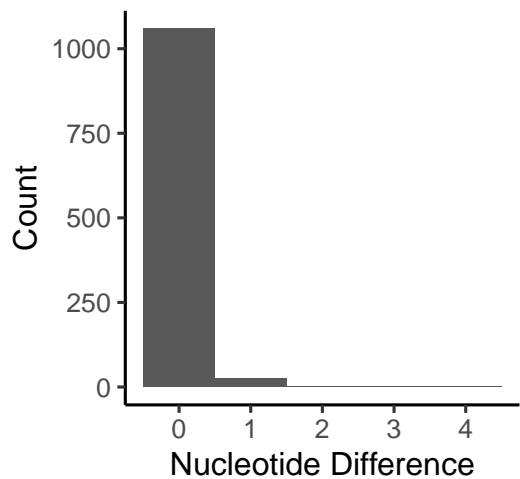
TRBV7–1*ap01_T296C

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



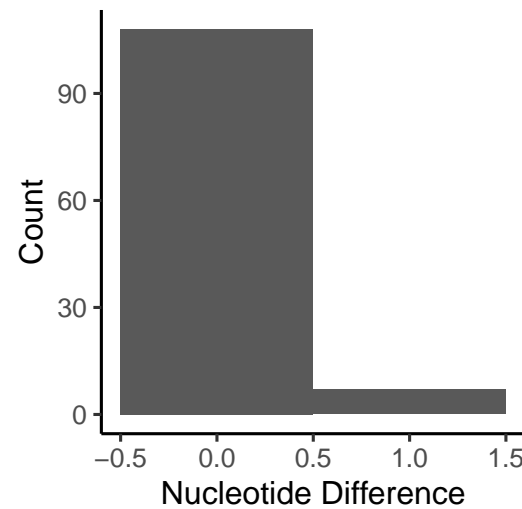
TRBV7–3*ap01

1087 sequences assigned
1059 (97.4%) exact matches, in which:
1056 unique CDR3
13 unique J



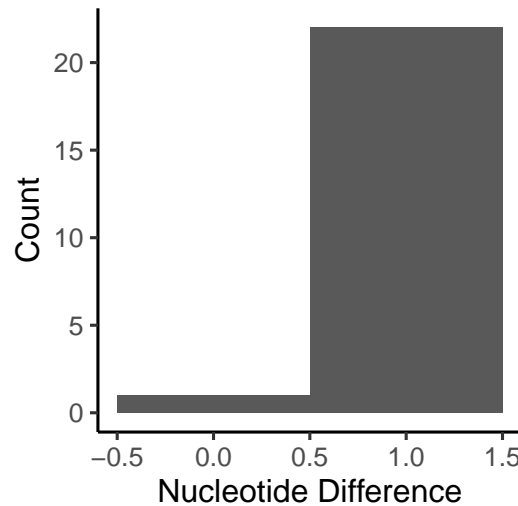
TRBV7–7*ap01

115 sequences assigned
108 (93.9%) exact matches, in which:
108 unique CDR3
13 unique J



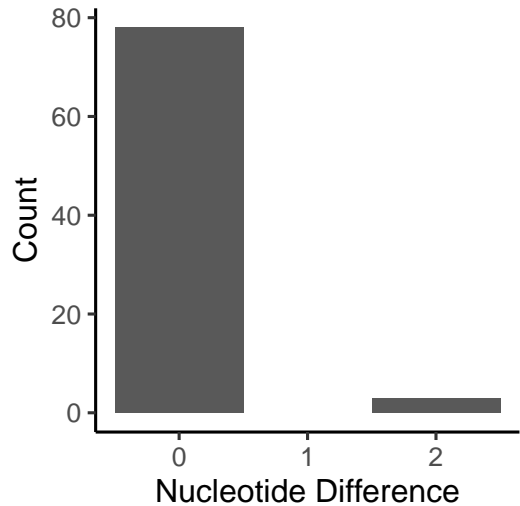
TRBV7–1*ap01_T296C_C

23 sequences assigned
1 (4.3%) exact matches, in which:
1 unique CDR3
1 unique J



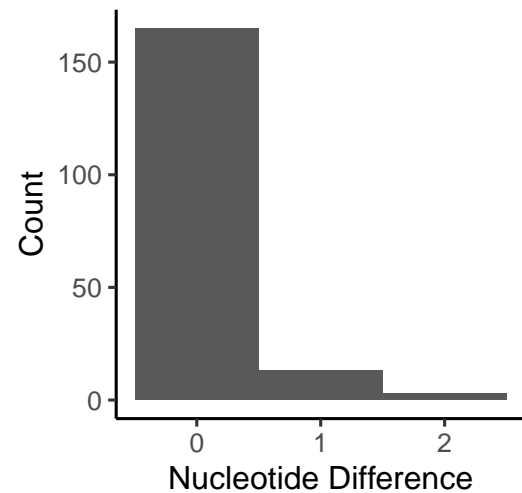
TRBV7–4*ap01

81 sequences assigned
78 (96.3%) exact matches, in which:
77 unique CDR3
13 unique J



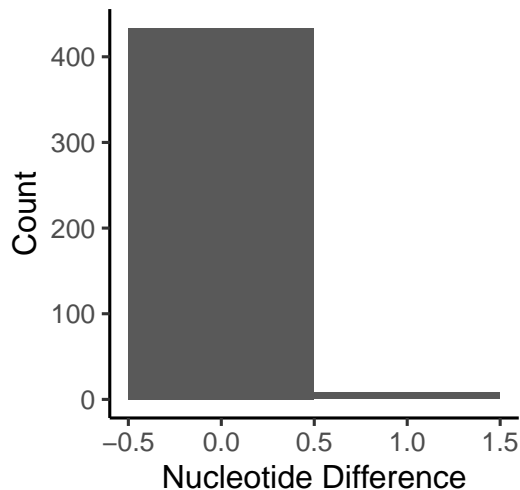
TRBV7–7*ap01_C315T

181 sequences assigned
165 (91.2%) exact matches, in which:
164 unique CDR3
11 unique J



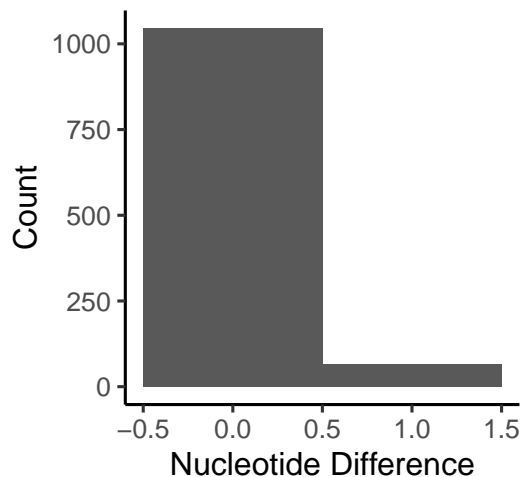
TRBV7-8*ap01

442 sequences assigned
434 (98.2%) exact matches, in which:
431 unique CDR3
13 unique J



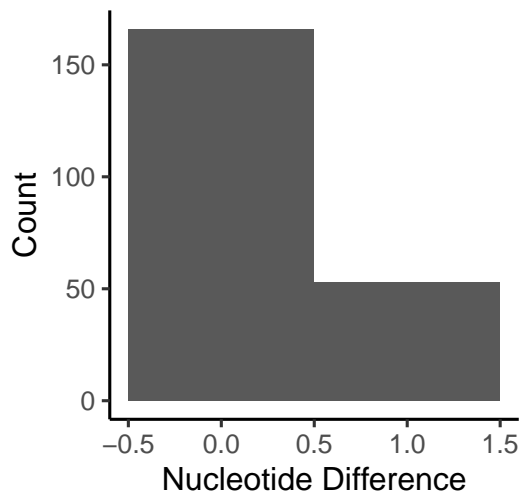
TRBV29-1*ap01

1111 sequences assigned
1045 (94.1%) exact matches, in which:
1035 unique CDR3
13 unique J



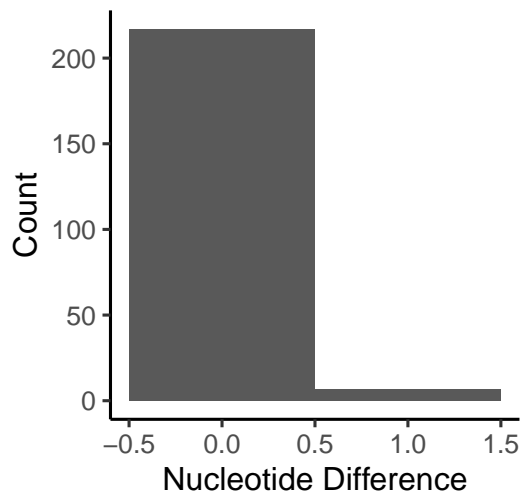
TRBV7-8*ap03

219 sequences assigned
166 (75.8%) exact matches, in which:
166 unique CDR3
13 unique J



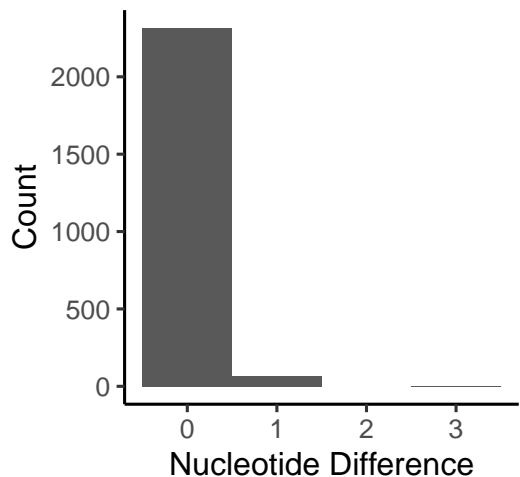
TRBV29-1*ap02

224 sequences assigned
217 (96.9%) exact matches, in which:
217 unique CDR3
13 unique J

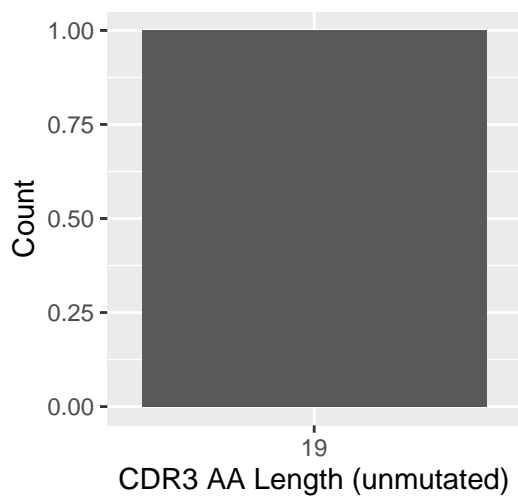


TRBV7-9*ap01

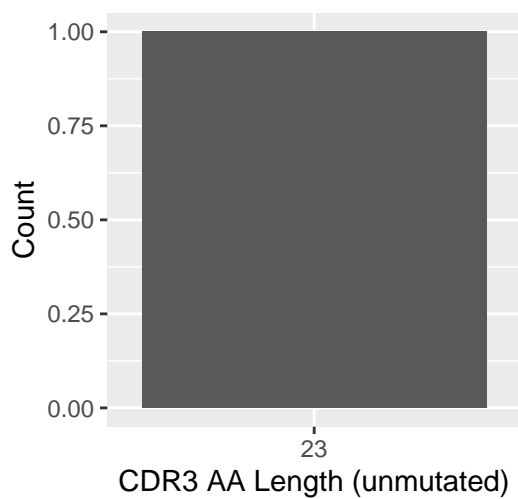
2383 sequences assigned
2315 (97.1%) exact matches, in which:
2299 unique CDR3
13 unique J



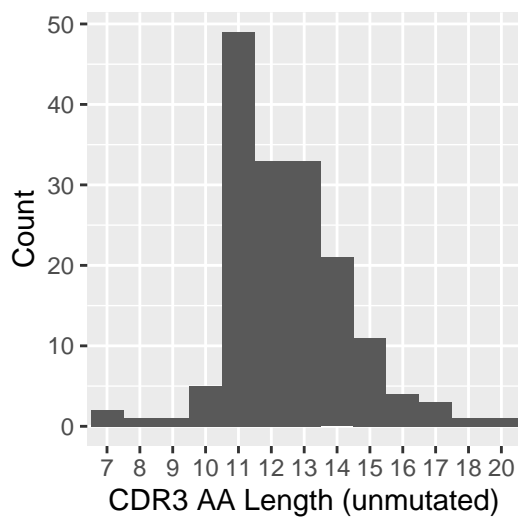
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]