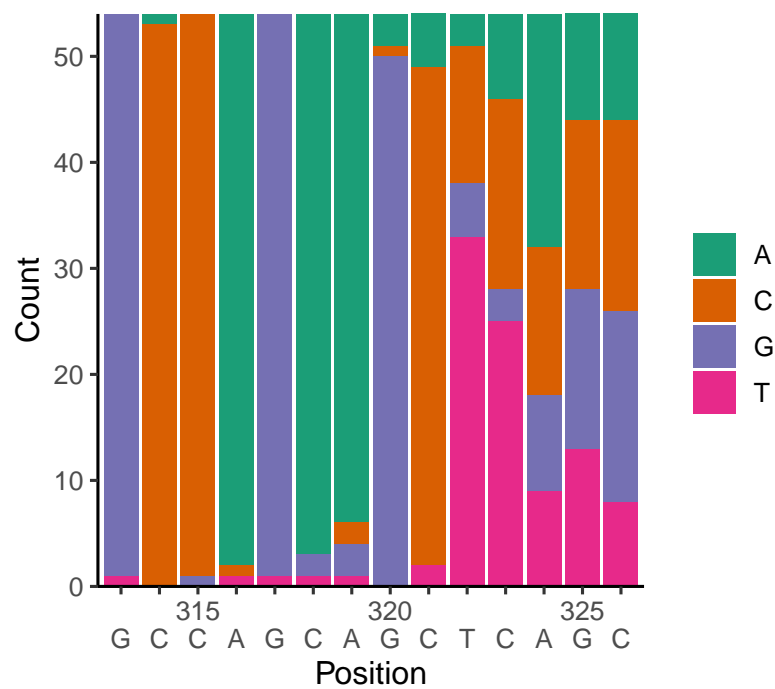
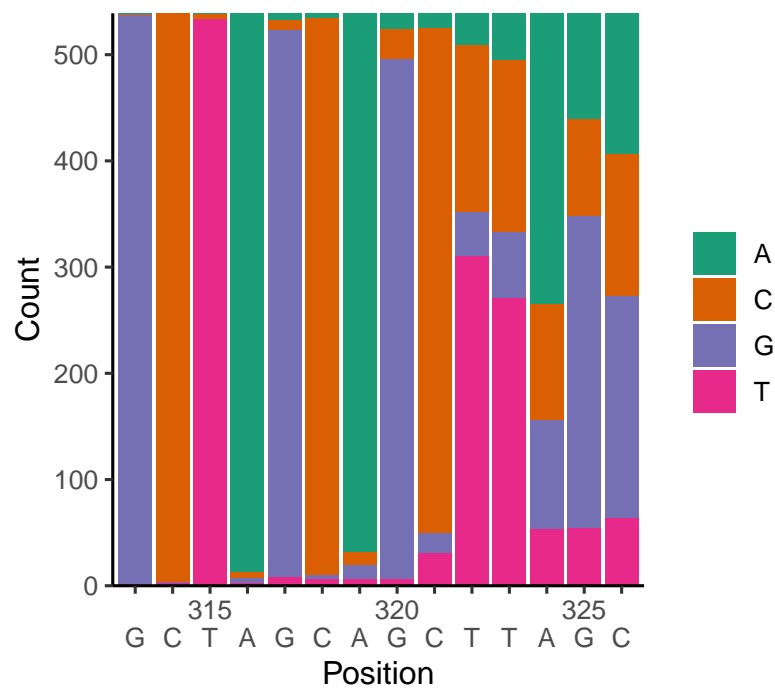


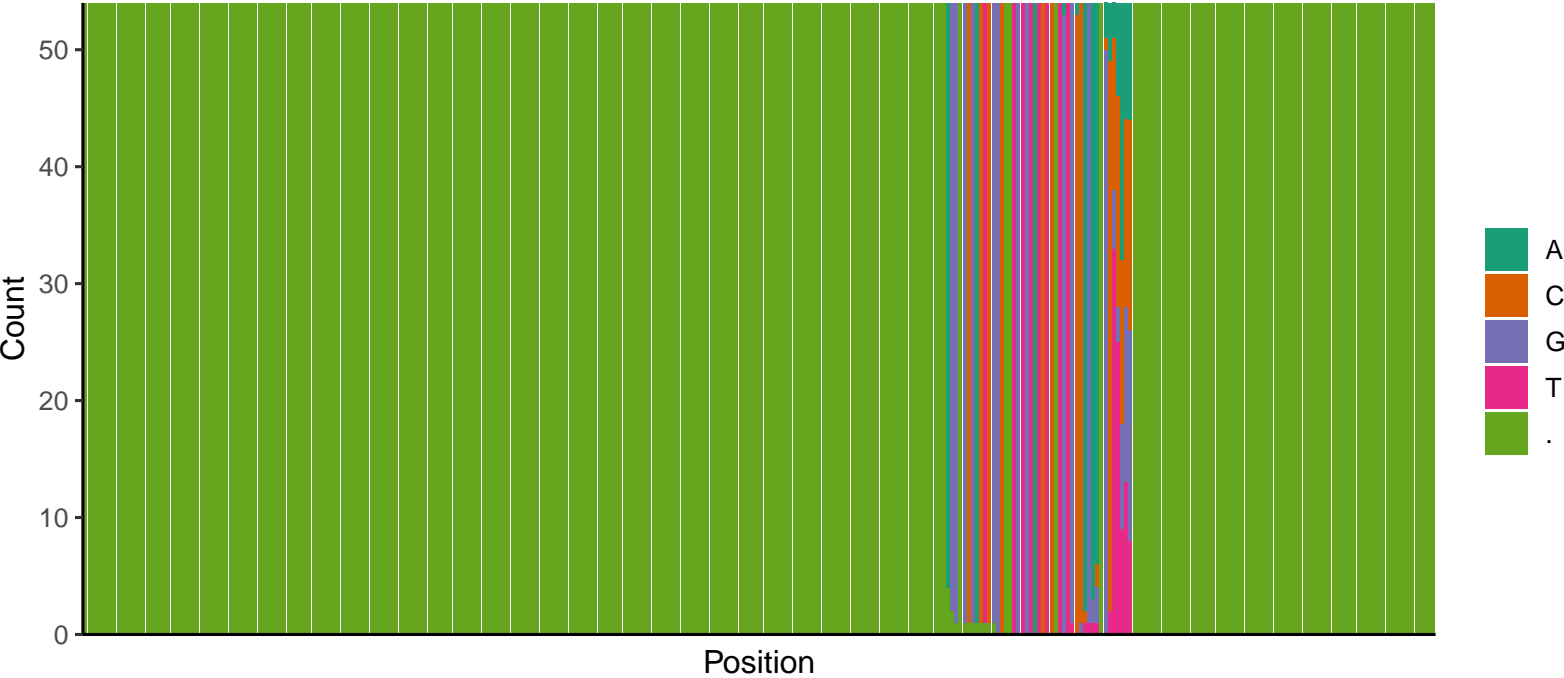
Gene TRBV7-1*ap01_G291C_T296C



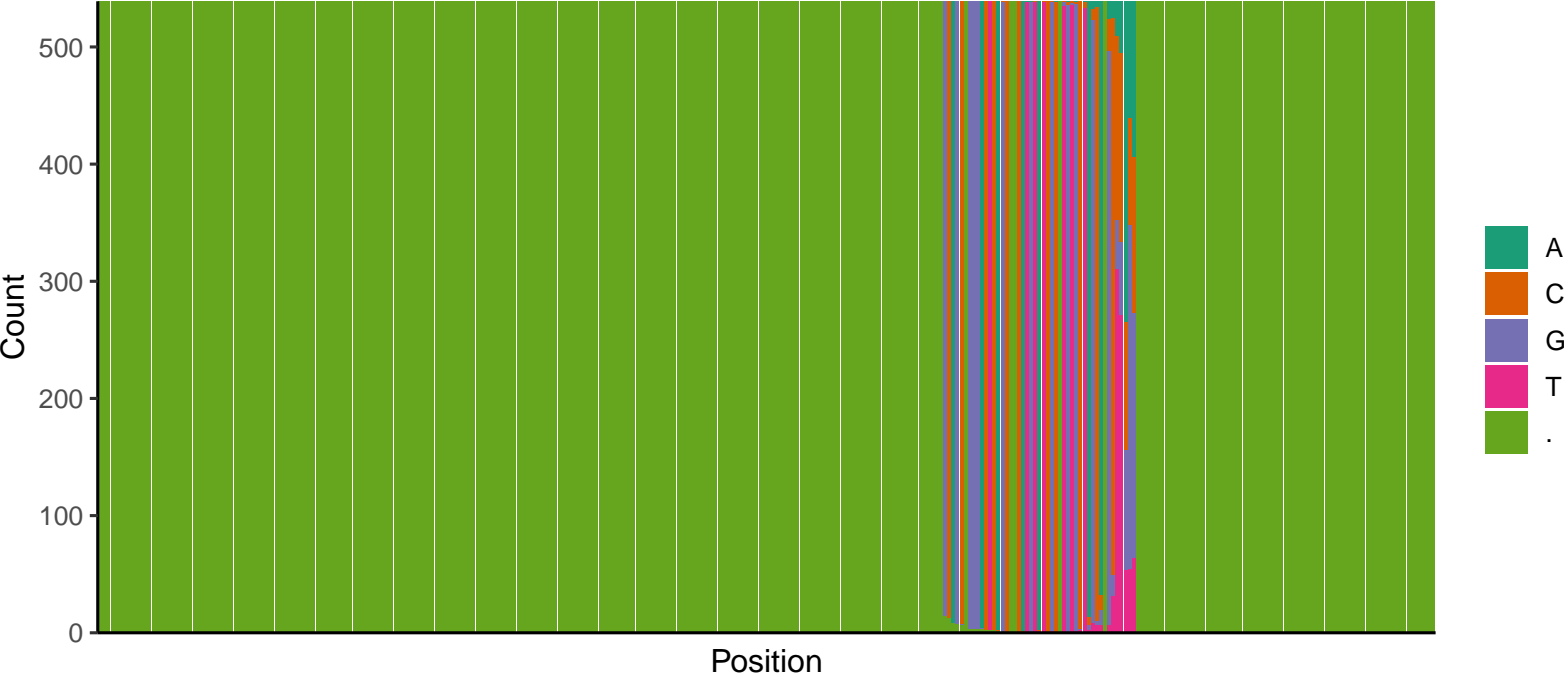
Gene TRBV7-7*ap01_C315T



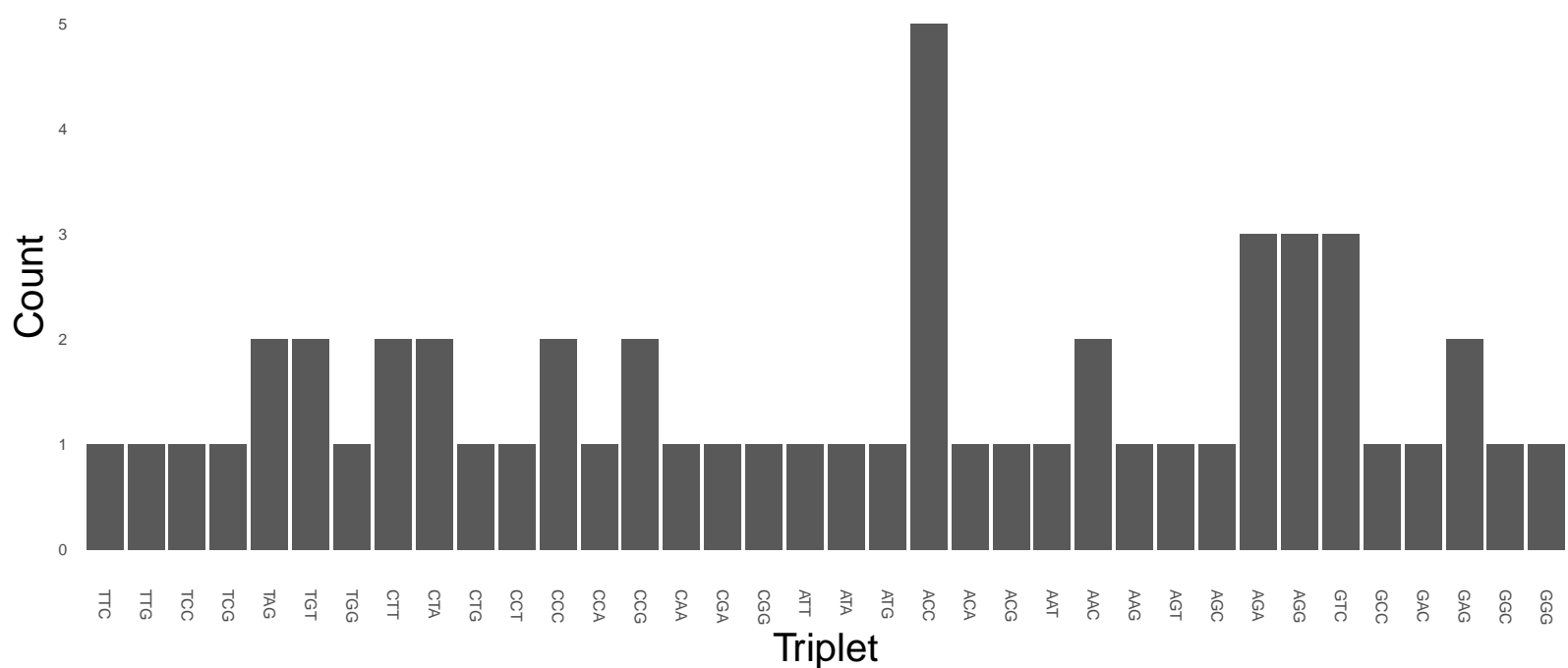
Gene TRBV7-1*ap01_G291C_T296C



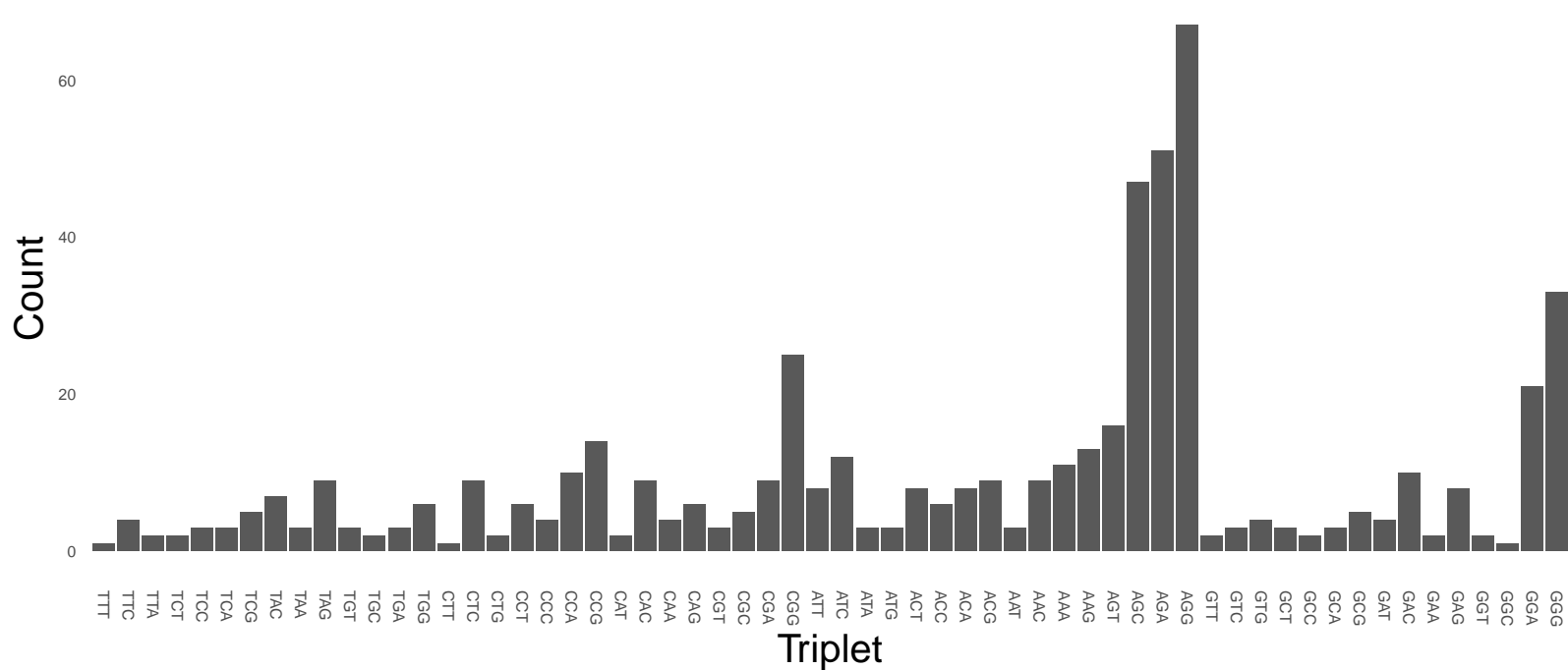
Gene TRBV7-7*ap01_C315T



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

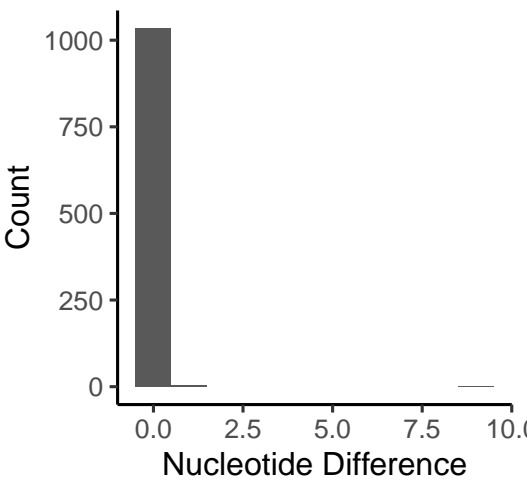


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



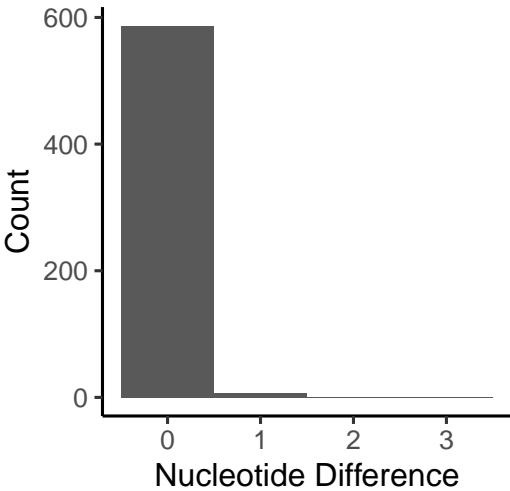
TRBV10-1*ap01

1038 sequences assigned
1034 (99.6%) exact matches, in which:
1026 unique CDR3
13 unique J



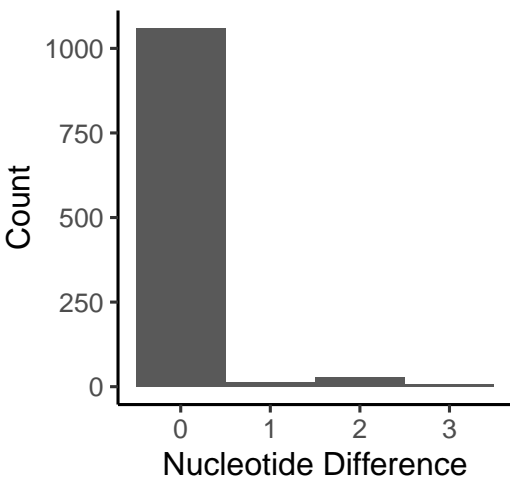
TRBV10-2*ap01

596 sequences assigned
587 (98.5%) exact matches, in which:
582 unique CDR3
13 unique J



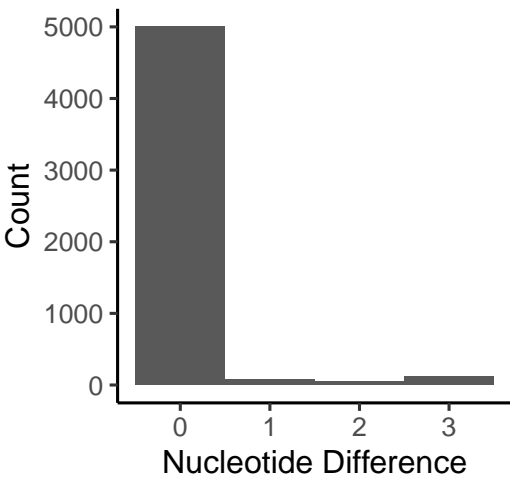
TRBV13*ap01

1106 sequences assigned
1059 (95.8%) exact matches, in which:
1046 unique CDR3
13 unique J



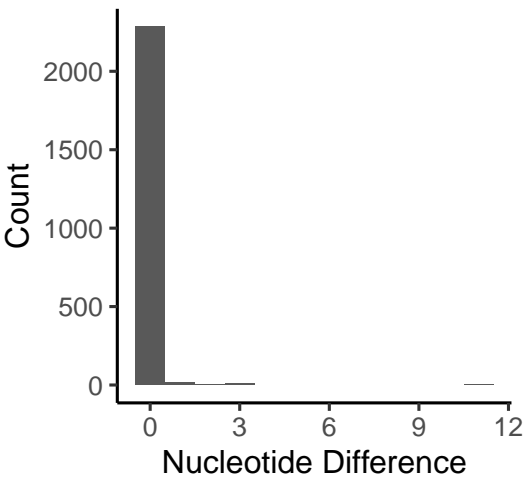
TRBV20-1*ap01

5248 sequences assigned
5002 (95.3%) exact matches, in which:
4943 unique CDR3
13 unique J



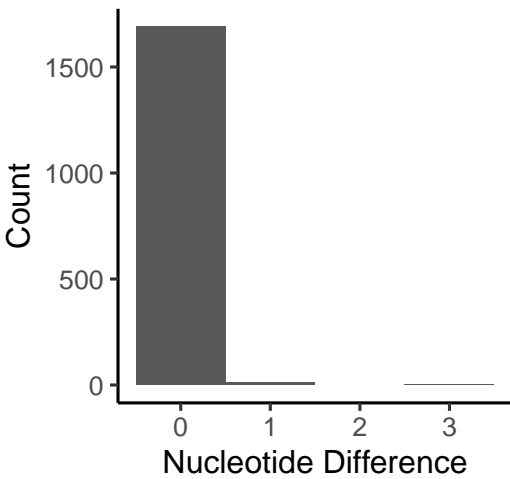
TRBV10-3*ap01

2309 sequences assigned
2284 (98.9%) exact matches, in which:
2256 unique CDR3
13 unique J



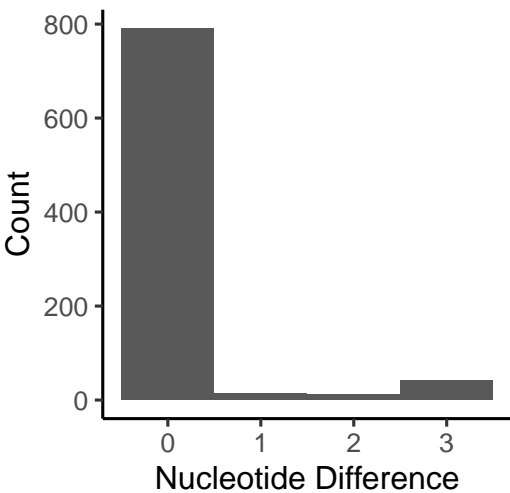
TRBV14*ap01

1704 sequences assigned
1690 (99.2%) exact matches, in which:
1675 unique CDR3
13 unique J



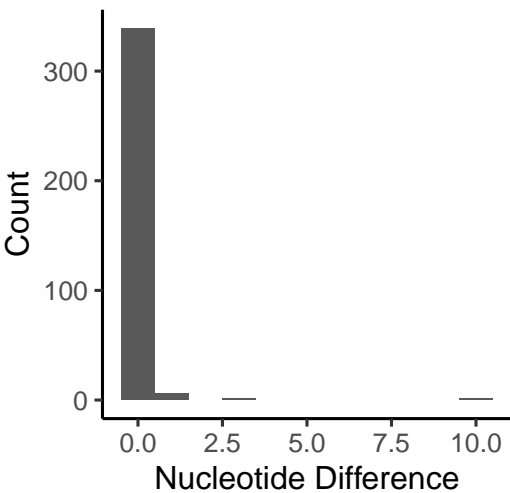
TRBV20-1*ap02

857 sequences assigned
791 (92.3%) exact matches, in which:
781 unique CDR3
13 unique J



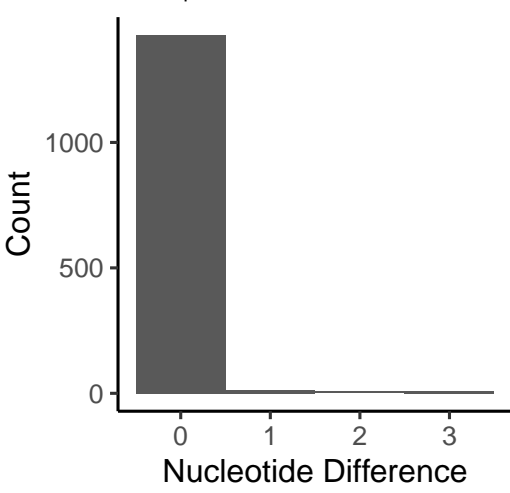
TRBV1*ap01

347 sequences assigned
339 (97.7%) exact matches, in which:
337 unique CDR3
13 unique J



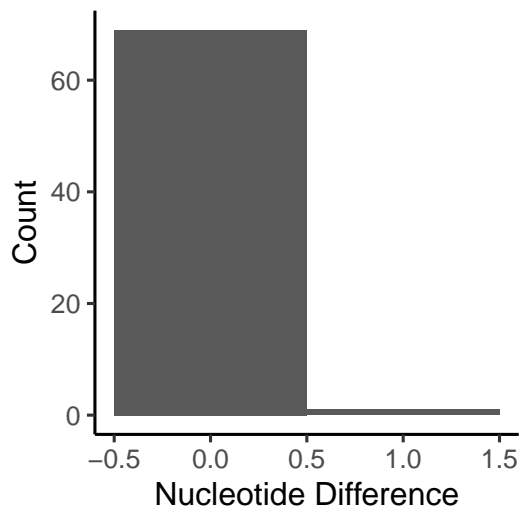
TRBV15*ap02

1458 sequences assigned
1428 (97.9%) exact matches, in which:
1406 unique CDR3
13 unique J



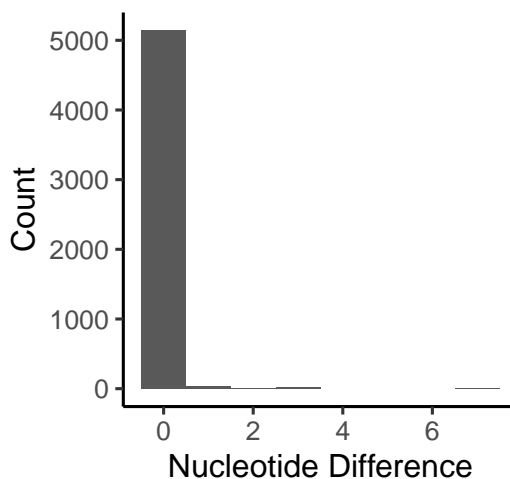
TRBV16*ap01

70 sequences assigned
69 (98.6%) exact matches, in which:
69 unique CDR3
12 unique J



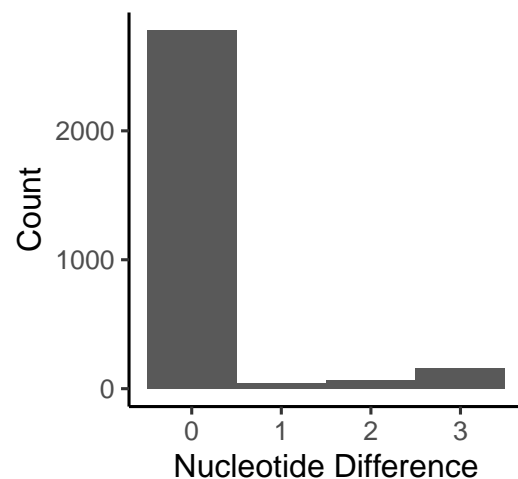
TRBV2*ap01

5212 sequences assigned
5142 (98.7%) exact matches, in which:
5097 unique CDR3
13 unique J



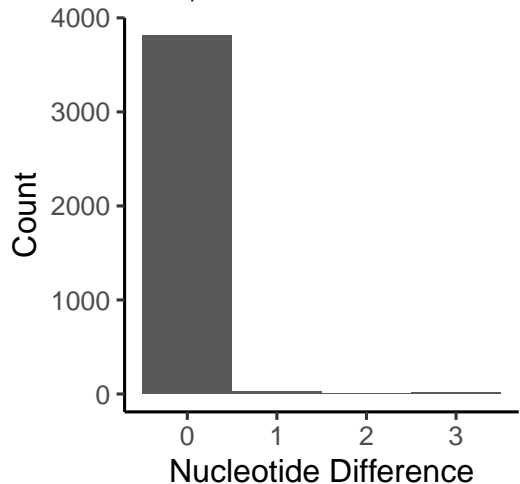
TRBV30*ap01

3045 sequences assigned
2779 (91.3%) exact matches, in which:
2734 unique CDR3
13 unique J



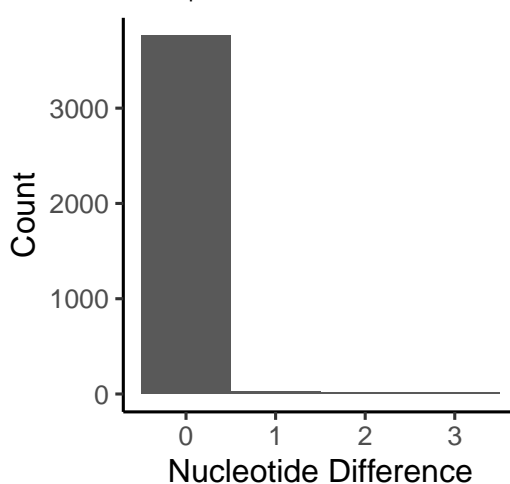
TRBV18*ap01

3869 sequences assigned
3810 (98.5%) exact matches, in which:
3737 unique CDR3
13 unique J



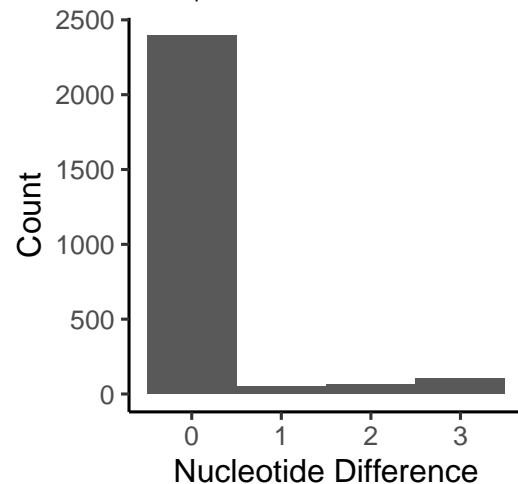
TRBV27*ap01

3816 sequences assigned
3760 (98.5%) exact matches, in which:
3726 unique CDR3
13 unique J



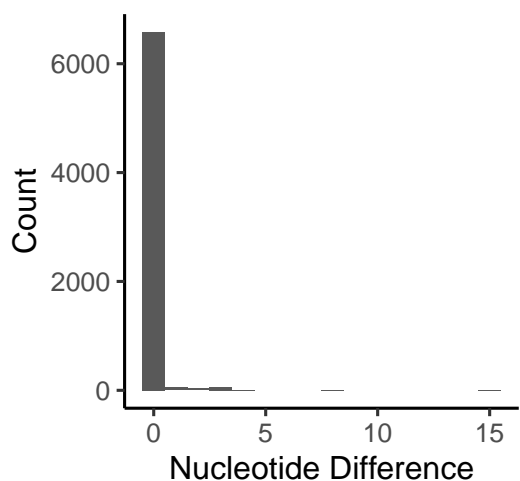
TRBV30*ap02

2609 sequences assigned
2394 (91.8%) exact matches, in which:
2353 unique CDR3
13 unique J



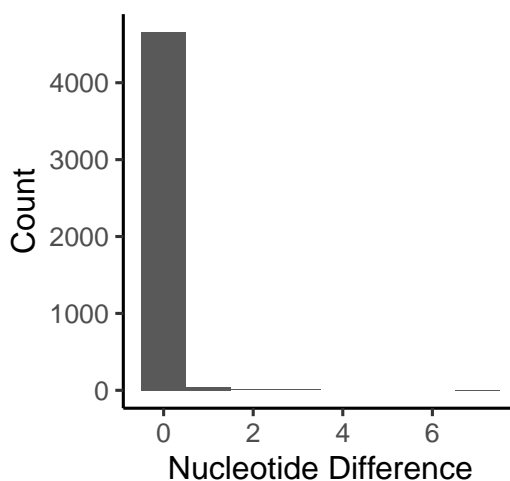
TRBV19*ap01

6731 sequences assigned
6582 (97.8%) exact matches, in which:
6510 unique CDR3
13 unique J



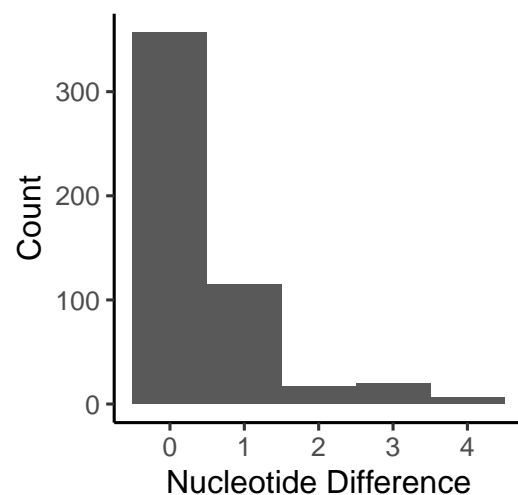
TRBV28*ap01

4724 sequences assigned
4659 (98.6%) exact matches, in which:
4602 unique CDR3
13 unique J



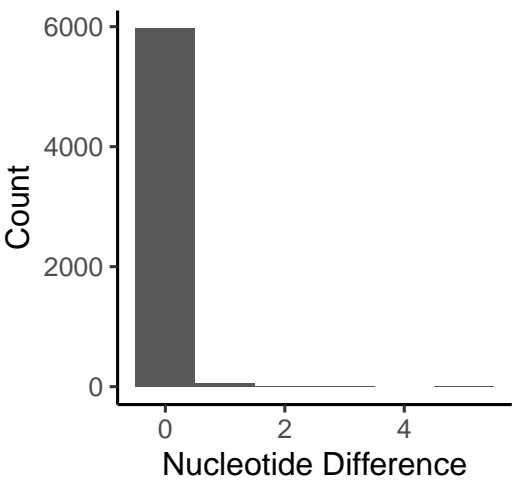
TRBV30*ap03

515 sequences assigned
357 (69.3%) exact matches, in which:
344 unique CDR3
13 unique J



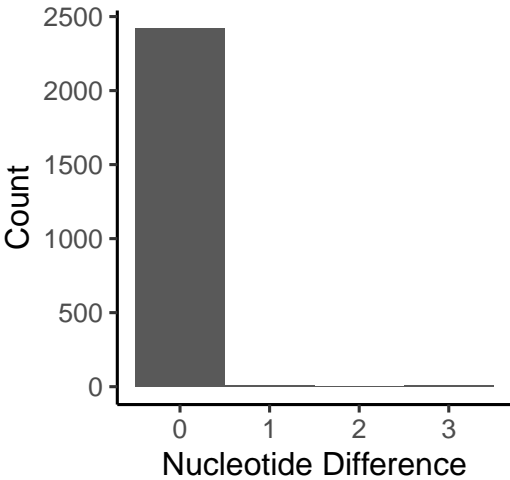
TRBV9*ap01

6044 sequences assigned
5971 (98.8%) exact matches, in which:
5895 unique CDR3
13 unique J



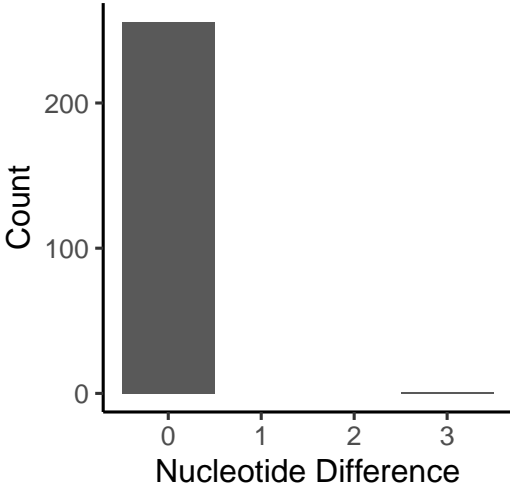
TRBV11-2*ap01

2441 sequences assigned
2420 (99.1%) exact matches, in which:
2394 unique CDR3
13 unique J



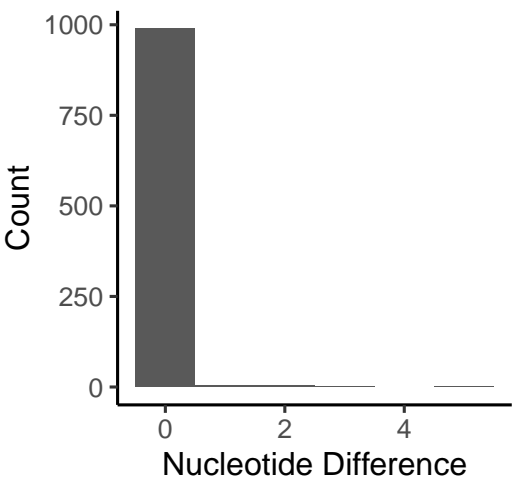
TRBV12-2*ap01

257 sequences assigned
256 (99.6%) exact matches, in which:
252 unique CDR3
13 unique J



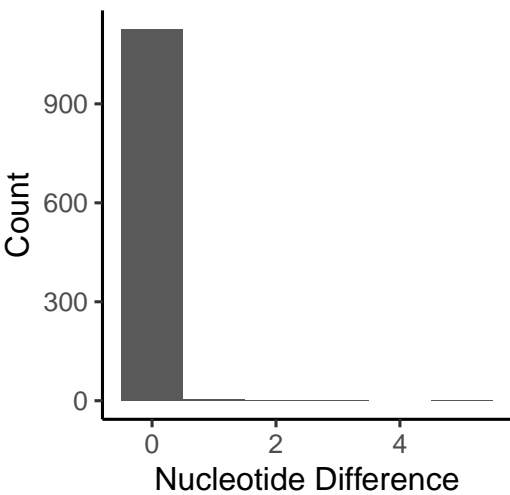
TRBV21-1*ap01

1001 sequences assigned
989 (98.8%) exact matches, in which:
986 unique CDR3
13 unique J



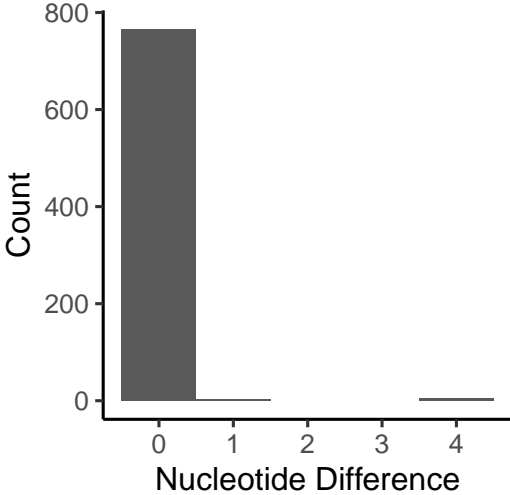
TRBV11-3*ap01

1138 sequences assigned
1127 (99%) exact matches, in which:
1114 unique CDR3
13 unique J



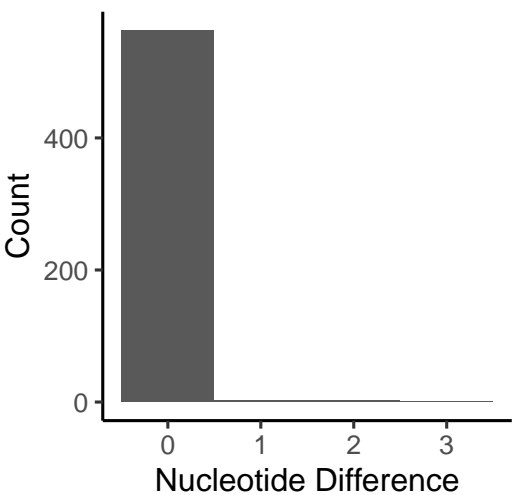
TRBV12-5*ap01

776 sequences assigned
766 (98.7%) exact matches, in which:
760 unique CDR3
13 unique J



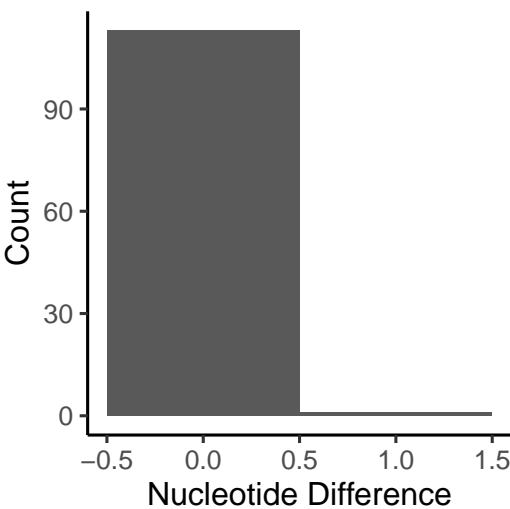
TRBV11-1*ap01

569 sequences assigned
563 (98.9%) exact matches, in which:
557 unique CDR3
13 unique J



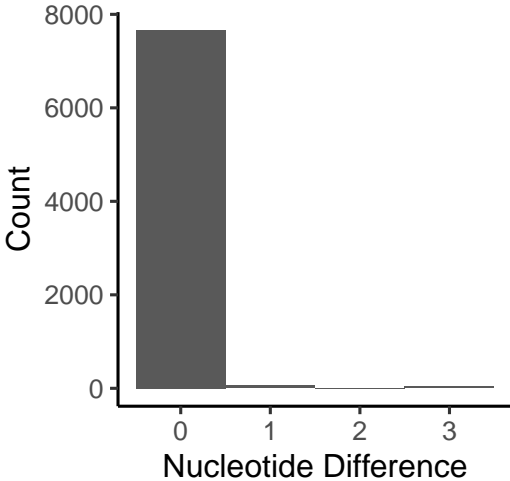
TRBV12-1*ap01

114 sequences assigned
113 (99.1%) exact matches, in which:
112 unique CDR3
13 unique J



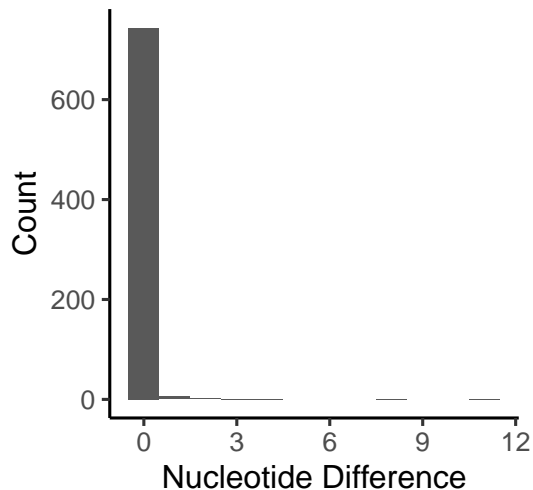
TRBV12-34*ap01

7774 sequences assigned
7664 (98.6%) exact matches, in which:
7599 unique CDR3
13 unique J



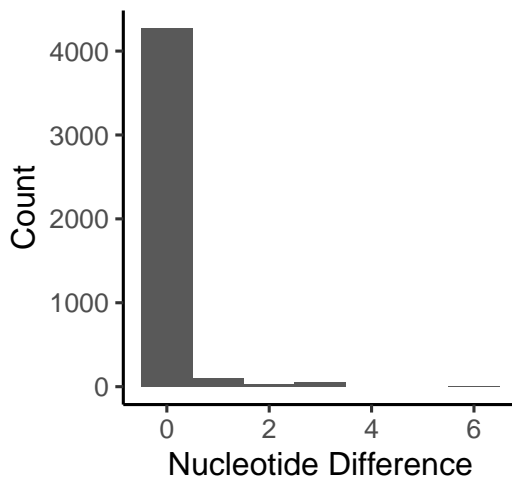
TRBV23–1*ap01

756 sequences assigned
744 (98.4%) exact matches, in which:
739 unique CDR3
13 unique J



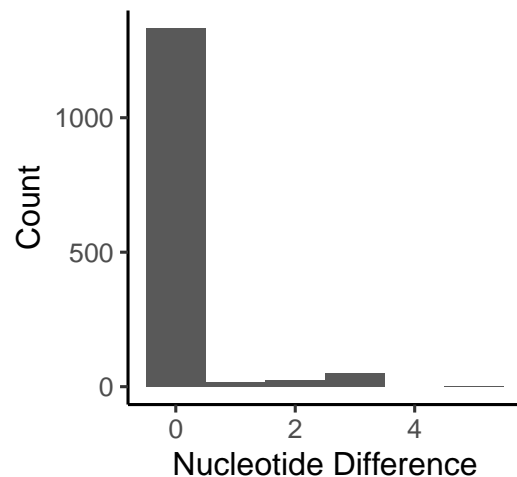
TRBV4–1*ap01

4455 sequences assigned
4270 (95.8%) exact matches, in which:
4202 unique CDR3
13 unique J



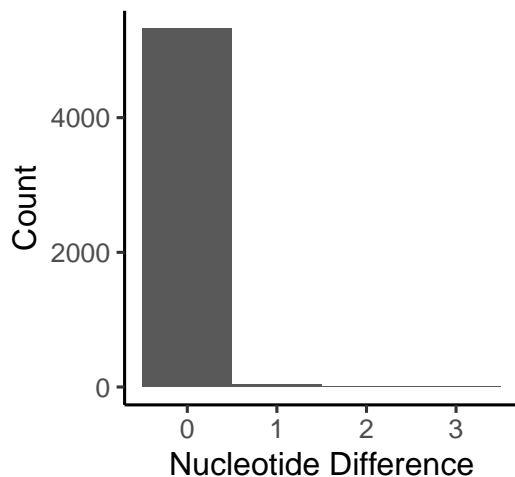
TRBV25–1*ap01

1425 sequences assigned
1332 (93.5%) exact matches, in which:
1319 unique CDR3
13 unique J



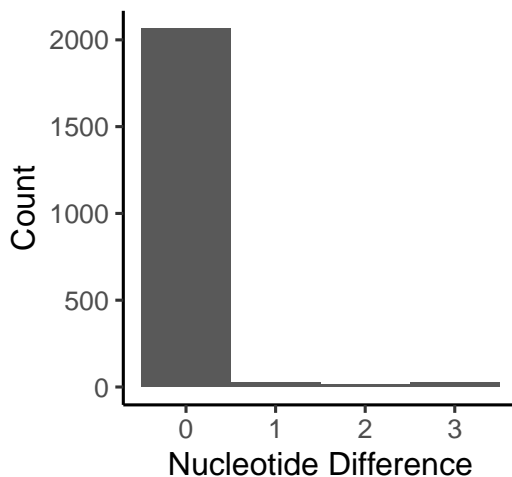
TRBV3–12*ap01

5375 sequences assigned
5321 (99%) exact matches, in which:
5282 unique CDR3
13 unique J



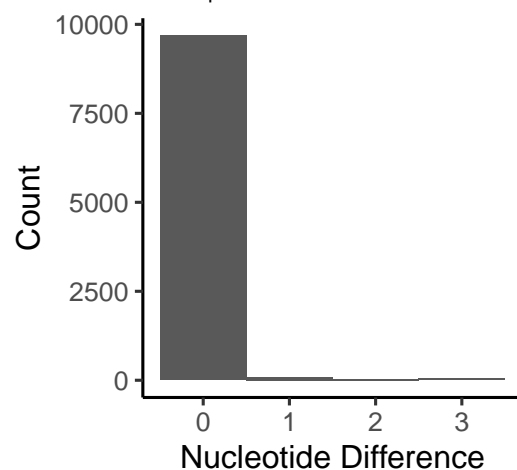
TRBV4–2*ap01

2129 sequences assigned
2064 (96.9%) exact matches, in which:
2045 unique CDR3
13 unique J



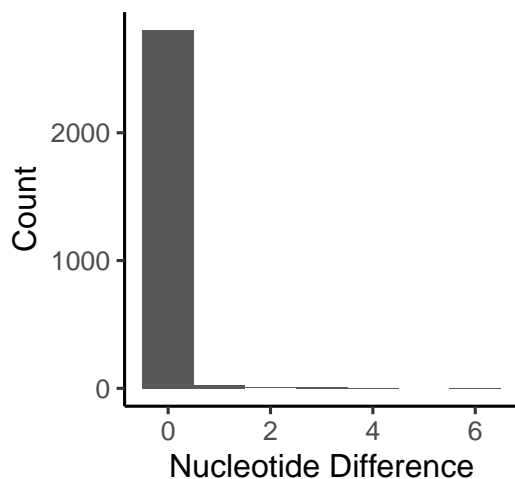
TRBV5–1*ap01

9863 sequences assigned
9688 (98.2%) exact matches, in which:
9560 unique CDR3
14 unique J



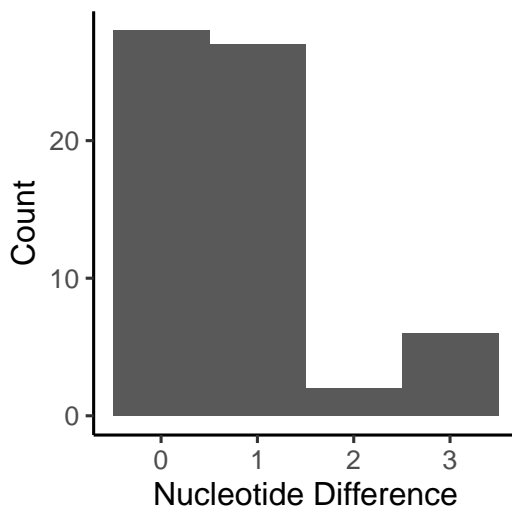
TRBV24–1*ap01

2849 sequences assigned
2804 (98.4%) exact matches, in which:
2781 unique CDR3
13 unique J



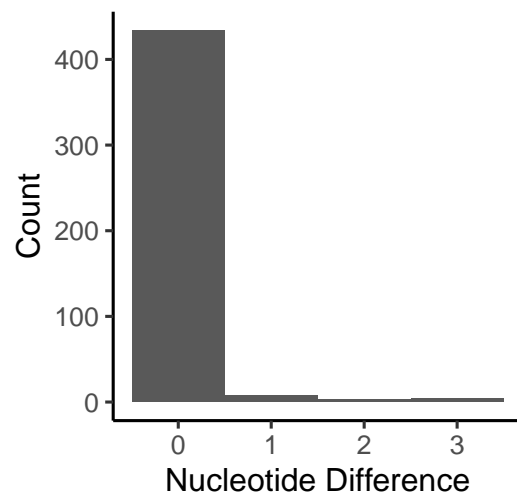
TRBV4–3*ap01

63 sequences assigned
28 (44.4%) exact matches, in which:
28 unique CDR3
9 unique J



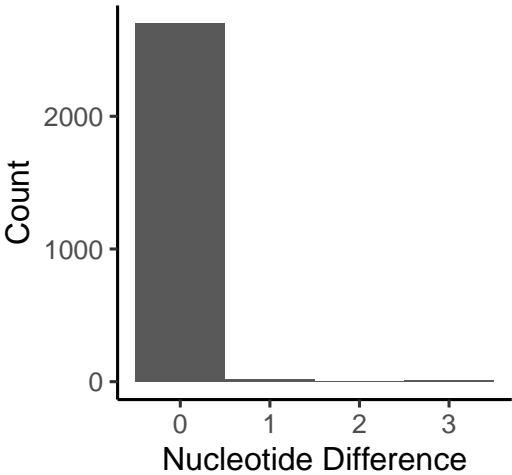
TRBV5–3*ap01

449 sequences assigned
434 (96.7%) exact matches, in which:
430 unique CDR3
13 unique J



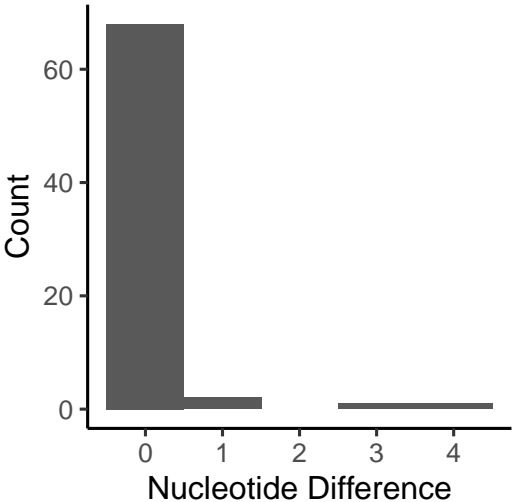
TRBV5-4*ap01

2727 sequences assigned
2700 (99%) exact matches, in which:
2679 unique CDR3
13 unique J



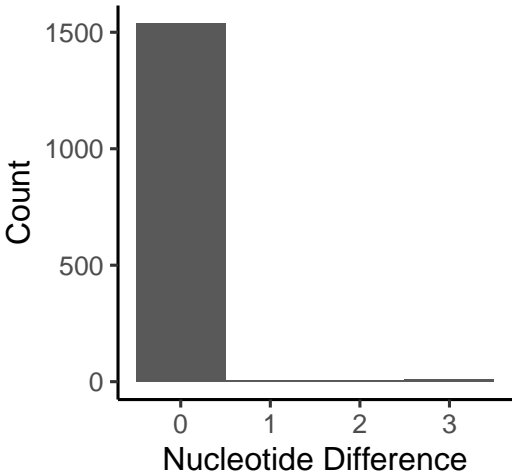
TRBV5-7*ap01

72 sequences assigned
68 (94.4%) exact matches, in which:
67 unique CDR3
12 unique J



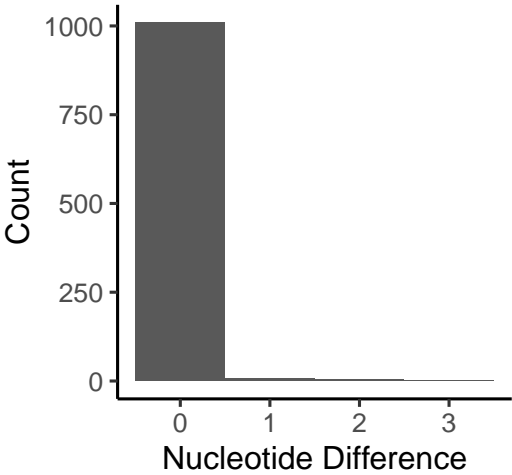
TRBV6-4*ap01

1558 sequences assigned
1538 (98.7%) exact matches, in which:
1526 unique CDR3
13 unique J



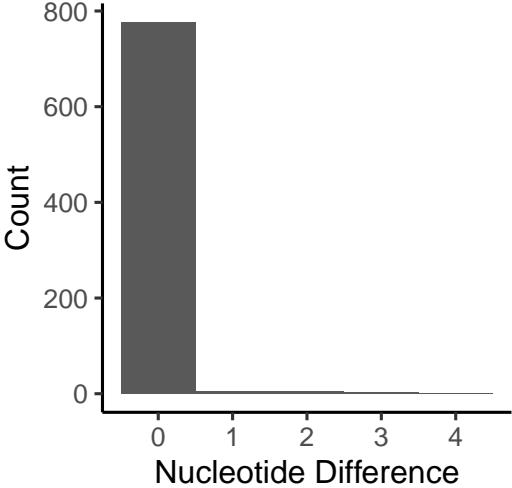
TRBV5-5*ap01

1021 sequences assigned
1009 (98.8%) exact matches, in which:
993 unique CDR3
13 unique J



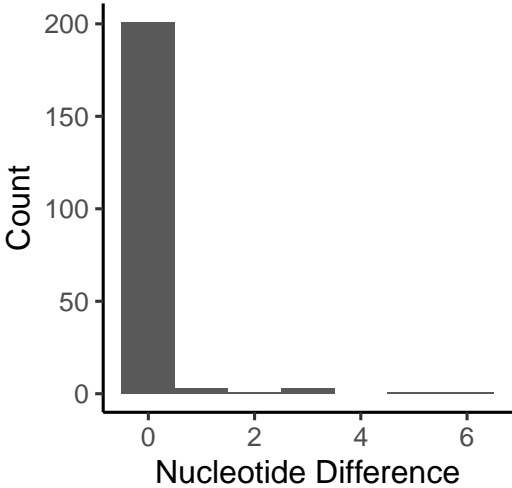
TRBV5-8*ap01

792 sequences assigned
777 (98.1%) exact matches, in which:
767 unique CDR3
13 unique J



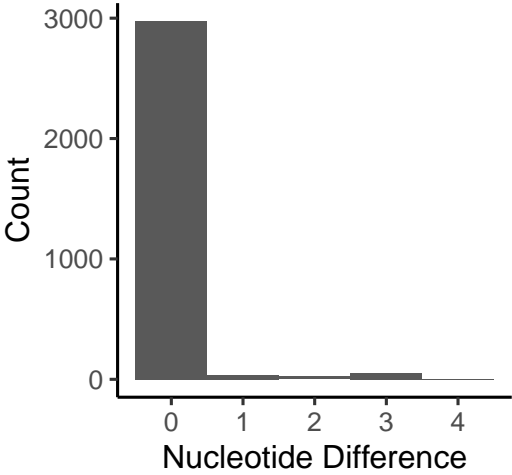
TRBV6-7*ap01

210 sequences assigned
201 (95.7%) exact matches, in which:
200 unique CDR3
12 unique J



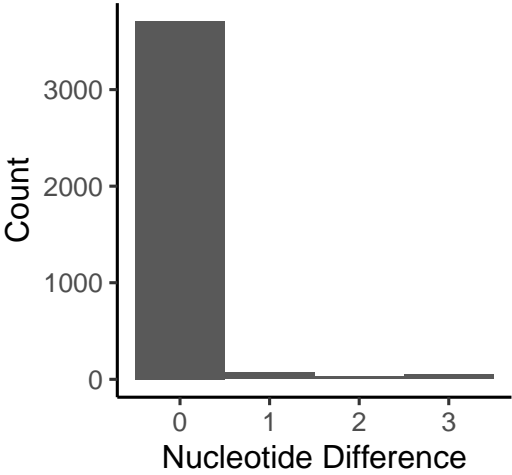
TRBV5-6*ap01

3086 sequences assigned
2976 (96.4%) exact matches, in which:
2935 unique CDR3
13 unique J



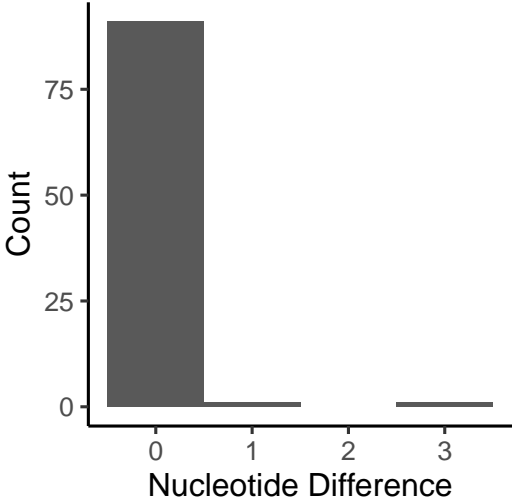
TRBV6-1*ap01

3861 sequences assigned
3710 (96.1%) exact matches, in which:
3661 unique CDR3
13 unique J



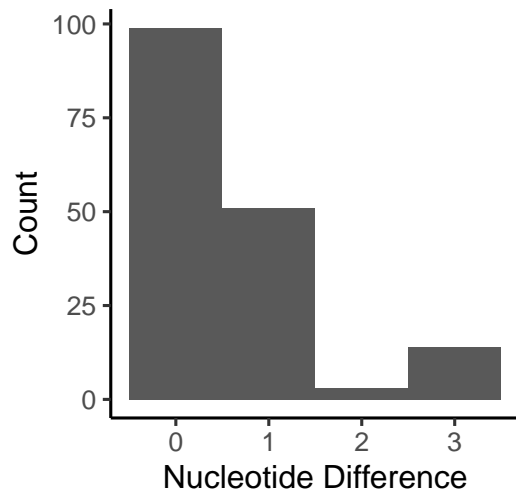
TRBV6-8*ap01

93 sequences assigned
91 (97.8%) exact matches, in which:
91 unique CDR3
12 unique J



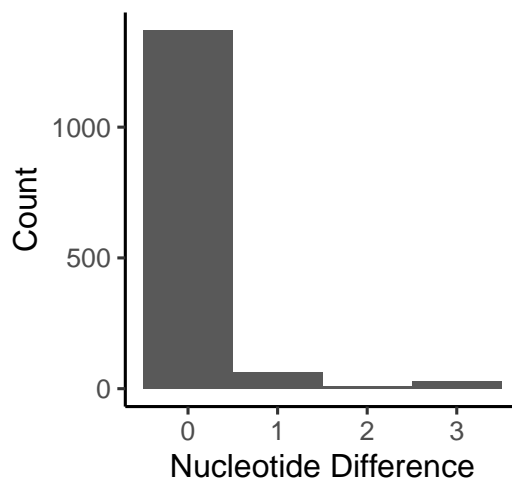
TRBV6–9*ap01

167 sequences assigned
99 (59.3%) exact matches, in which:
98 unique CDR3
13 unique J



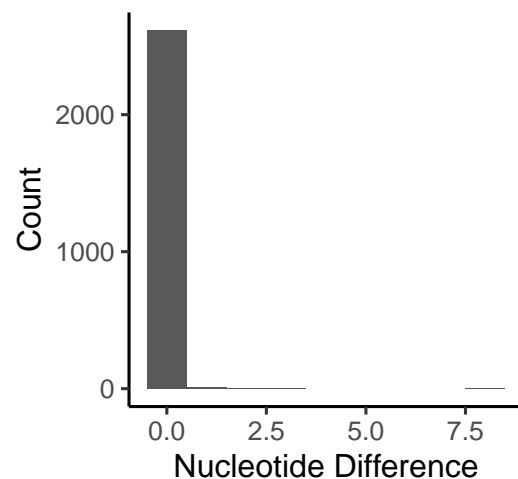
TRBV6–56*ap02

1468 sequences assigned
1370 (93.3%) exact matches, in which:
1350 unique CDR3
13 unique J



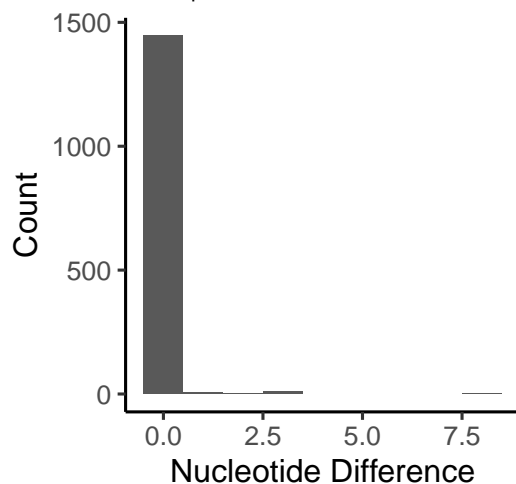
TRBV7–3*ap01

2636 sequences assigned
2615 (99.2%) exact matches, in which:
2594 unique CDR3
13 unique J



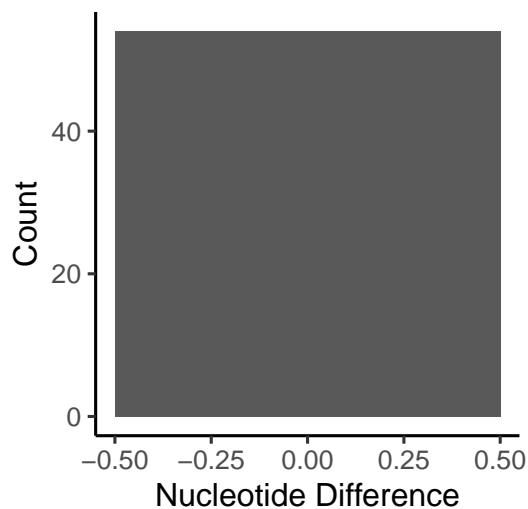
TRBV6–23*ap01

1469 sequences assigned
1446 (98.4%) exact matches, in which:
1425 unique CDR3
13 unique J



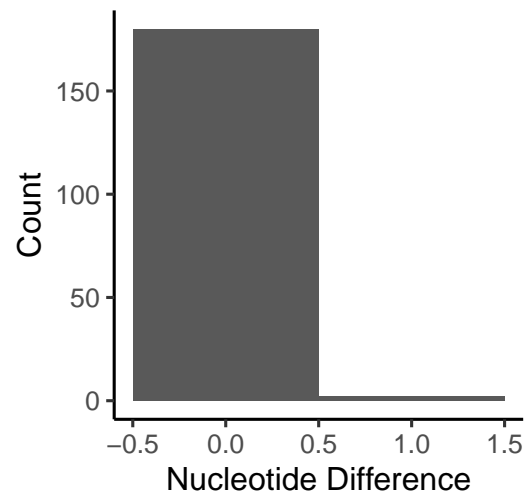
TRBV7–1*ap01_G291C_T

54 sequences assigned
54 (100%) exact matches, in which:
54 unique CDR3
13 unique J



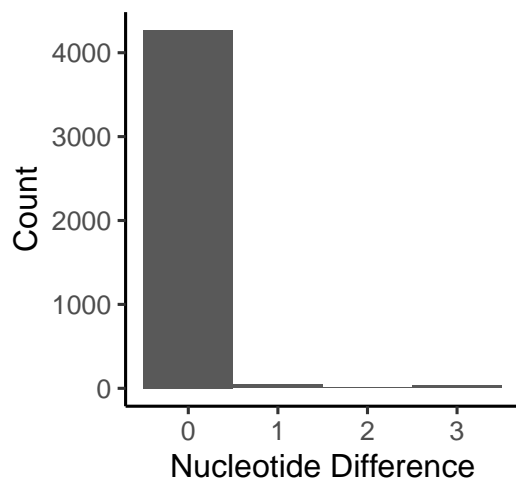
TRBV7–4*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
177 unique CDR3
13 unique J



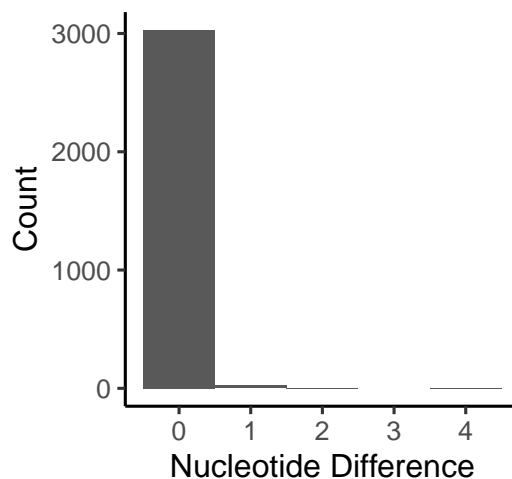
TRBV6–56*ap01

4357 sequences assigned
4270 (98%) exact matches, in which:
4174 unique CDR3
13 unique J



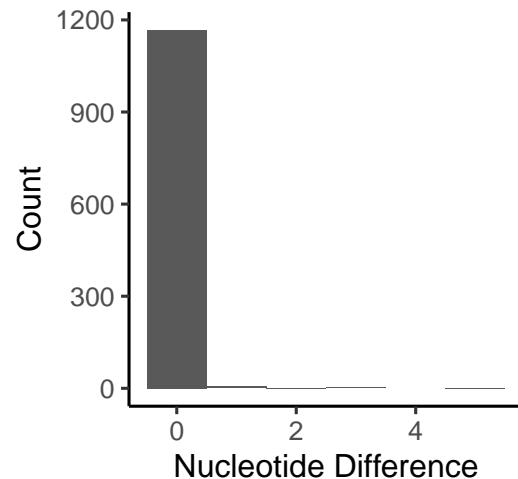
TRBV7–2*ap01

3059 sequences assigned
3029 (99%) exact matches, in which:
2999 unique CDR3
13 unique J



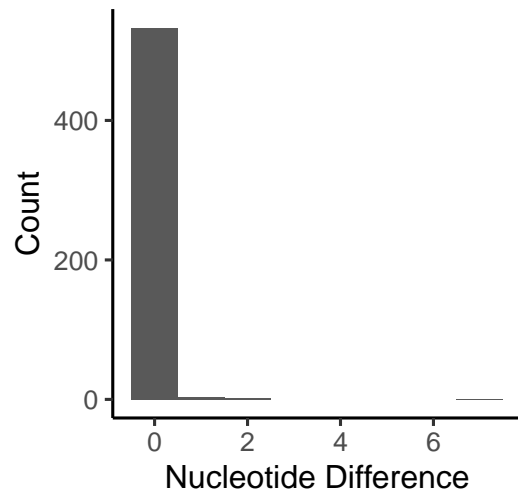
TRBV7–6*ap01

1179 sequences assigned
1167 (99%) exact matches, in which:
1150 unique CDR3
13 unique J



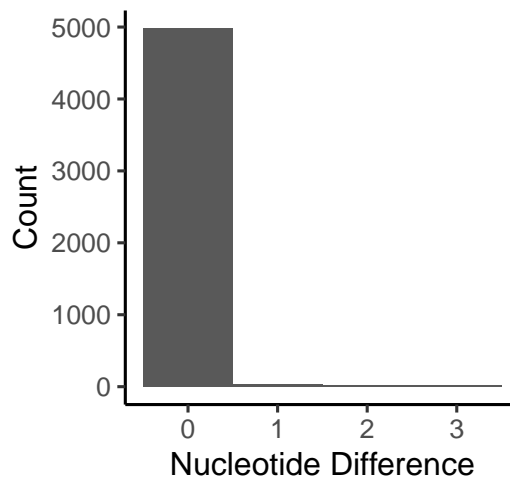
TRBV7-7*ap01_C315T

539 sequences assigned
533 (98.9%) exact matches, in which:
525 unique CDR3
13 unique J



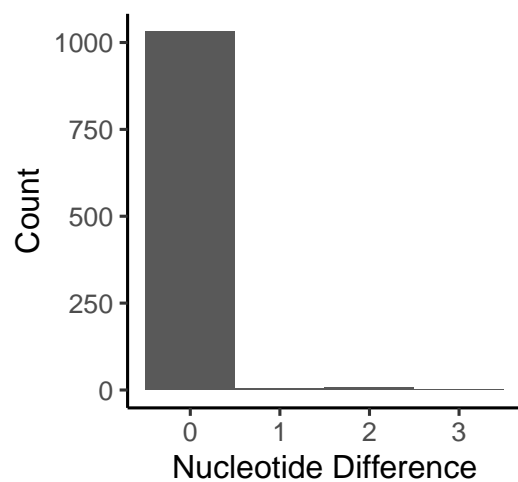
TRBV7-9*ap01

5065 sequences assigned
4981 (98.3%) exact matches, in which:
4915 unique CDR3
13 unique J



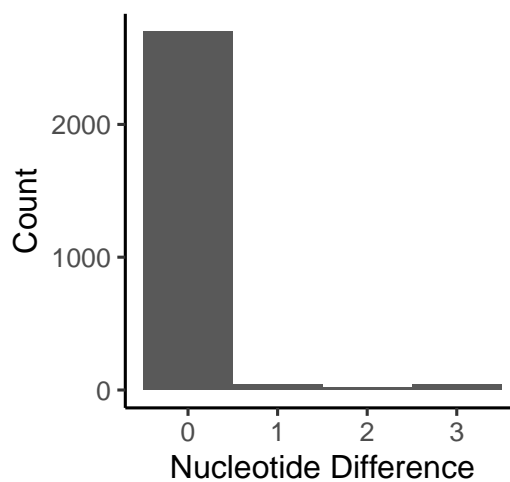
TRBV7-8*ap01

1044 sequences assigned
1031 (98.8%) exact matches, in which:
1025 unique CDR3
13 unique J



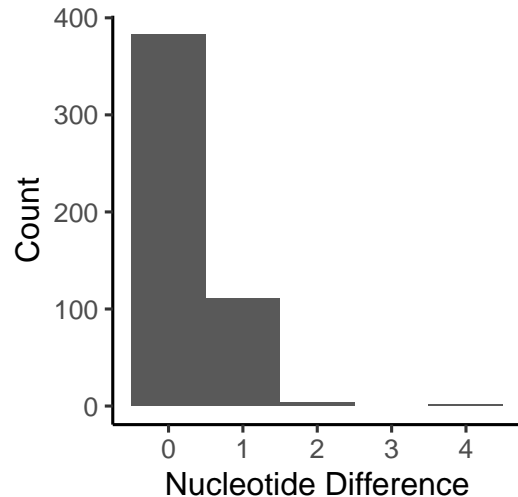
TRBV29-1*ap01

2793 sequences assigned
2698 (96.6%) exact matches, in which:
2635 unique CDR3
13 unique J



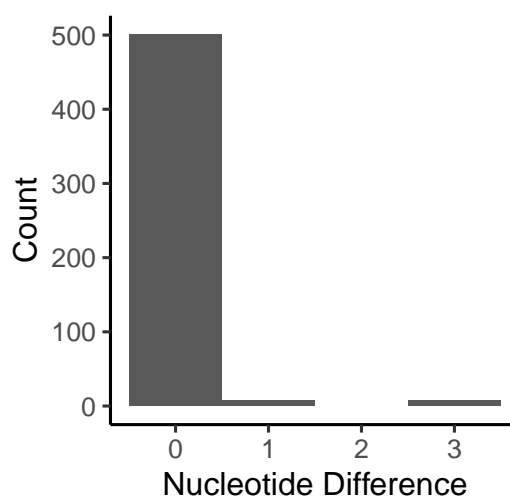
TRBV7-8*ap03

500 sequences assigned
383 (76.6%) exact matches, in which:
382 unique CDR3
13 unique J

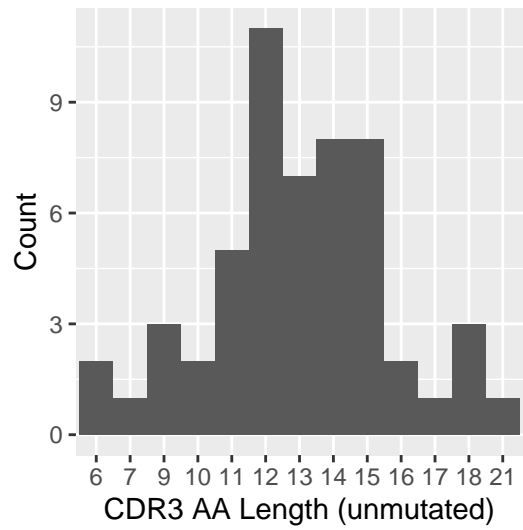


TRBV29-1*ap02

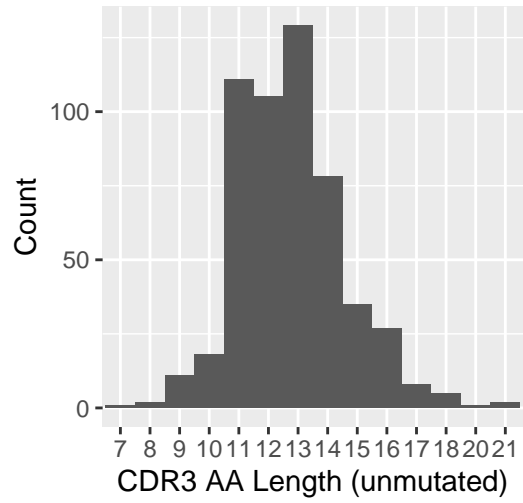
516 sequences assigned
501 (97.1%) exact matches, in which:
494 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]