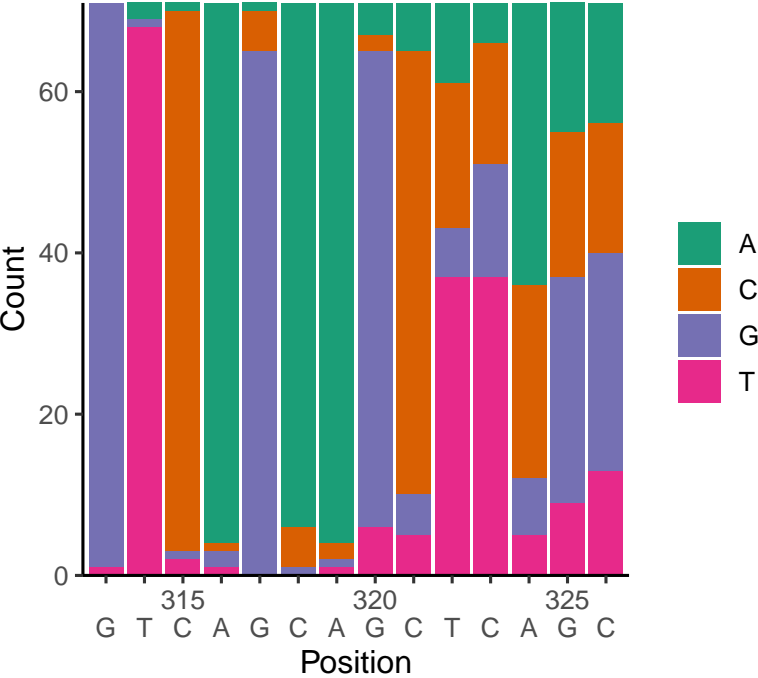
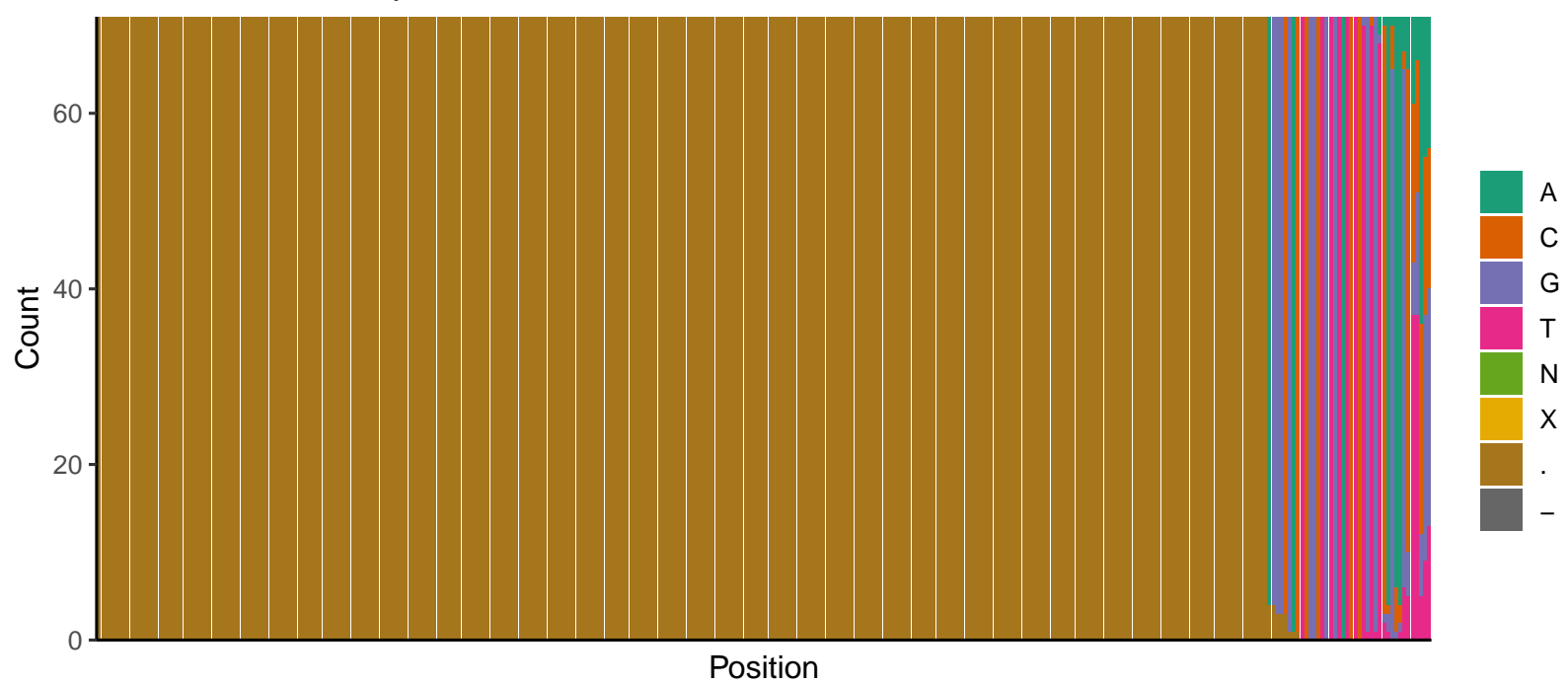


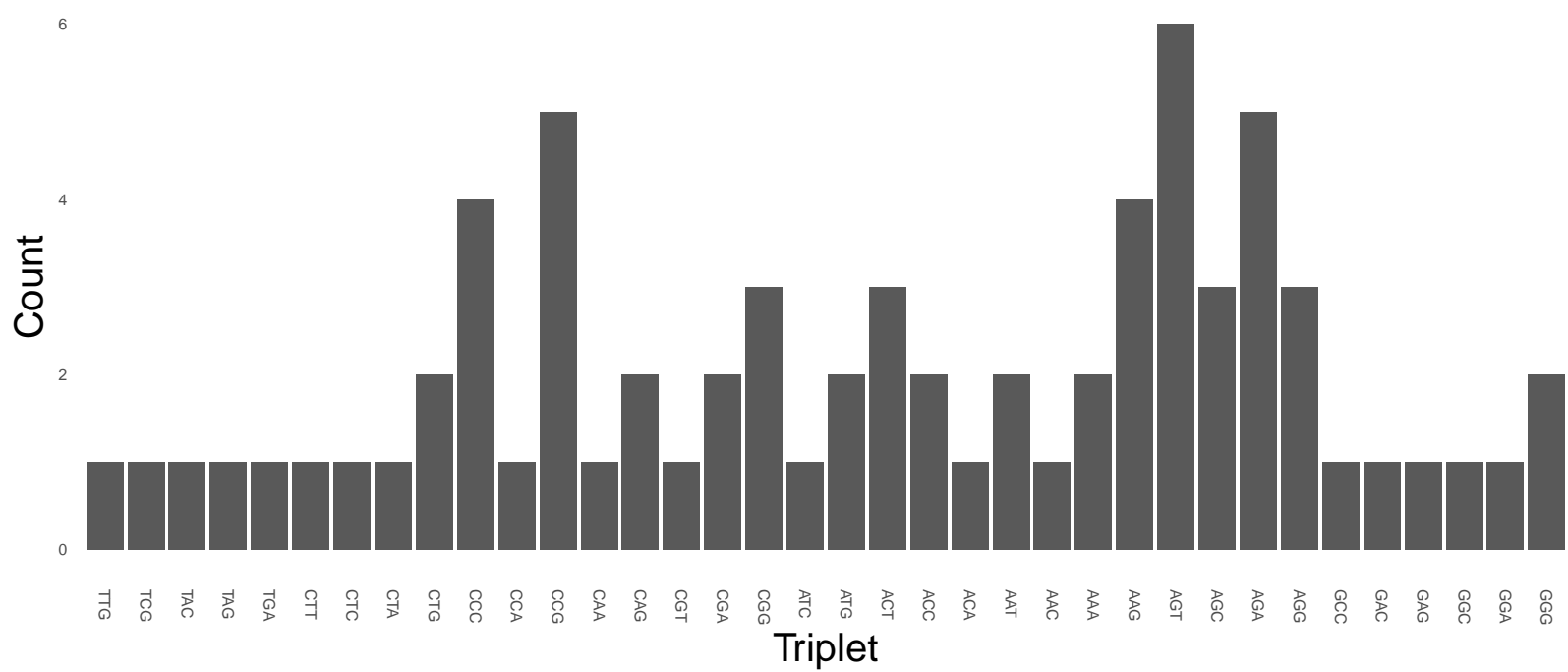
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C_C314T

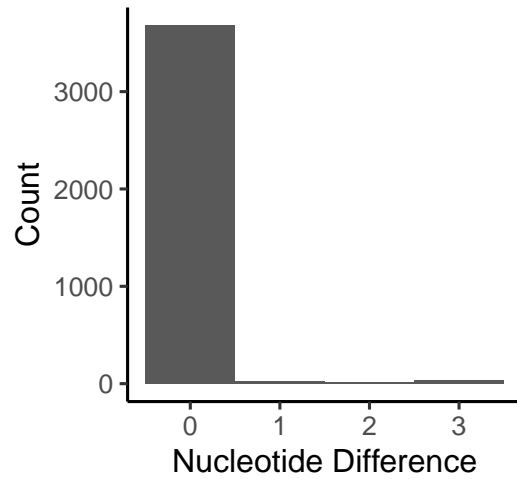


TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



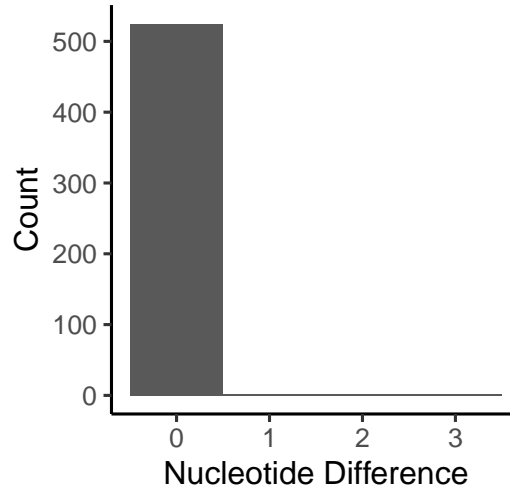
TRBV20-1*ap01

3757 sequences assigned
3680 (98%) exact matches, in which:
3615 unique CDR3
13 unique J



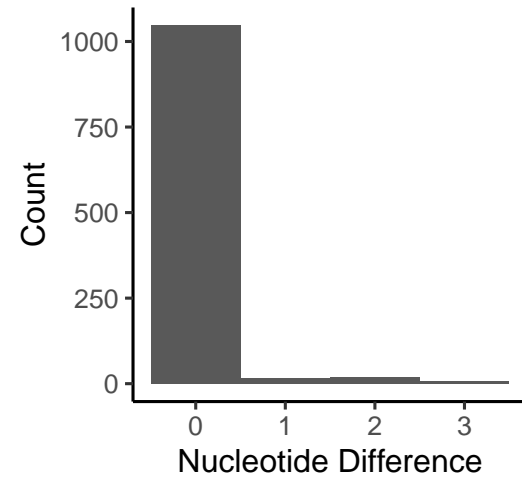
TRBV10-2*ap01

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



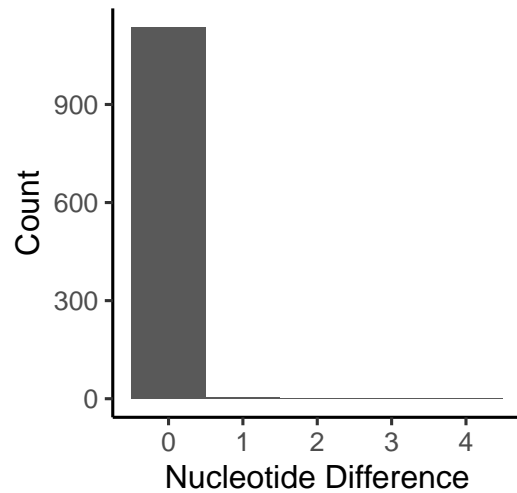
TRBV13*ap01

1088 sequences assigned
1047 (96.2%) exact matches, in which:
1027 unique CDR3
13 unique J



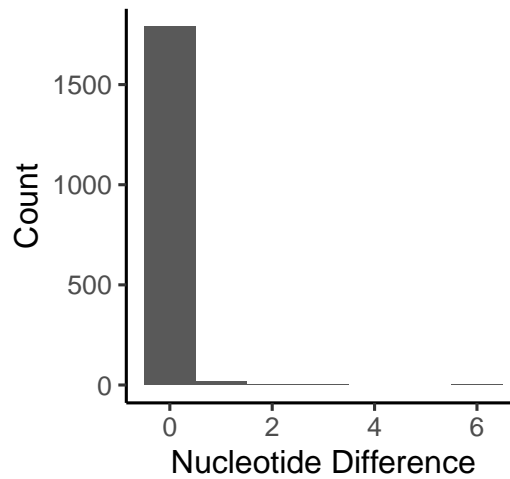
TRBV10-1*ap01

1147 sequences assigned
1137 (99.1%) exact matches, in which:
1127 unique CDR3
13 unique J



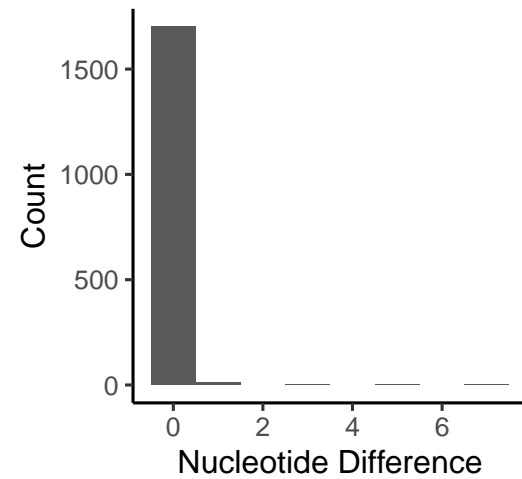
TRBV10-3*ap01

1811 sequences assigned
1789 (98.8%) exact matches, in which:
1778 unique CDR3
13 unique J



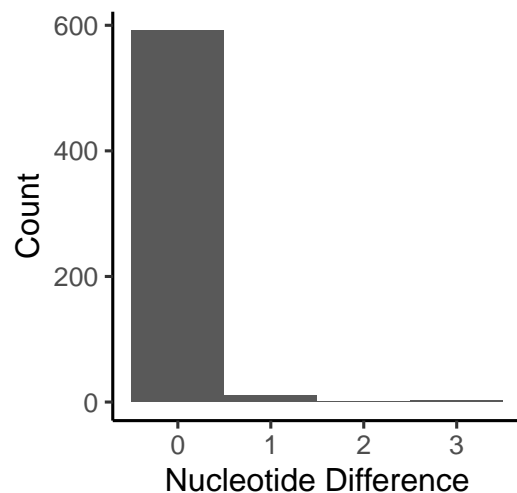
TRBV14*ap01

1718 sequences assigned
1701 (99%) exact matches, in which:
1683 unique CDR3
13 unique J



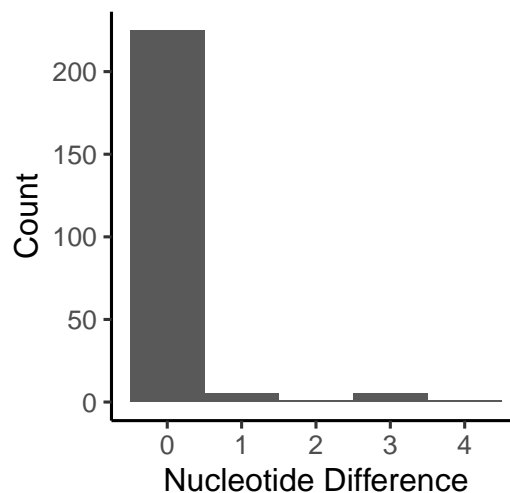
TRBV20-1*ap02

605 sequences assigned
592 (97.9%) exact matches, in which:
584 unique CDR3
13 unique J



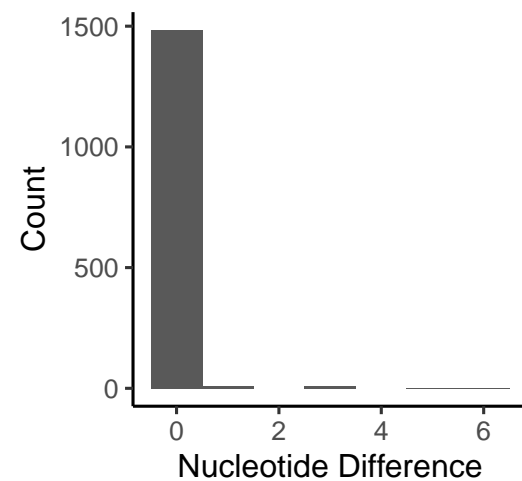
TRBV1*ap01

237 sequences assigned
225 (94.9%) exact matches, in which:
216 unique CDR3
12 unique J



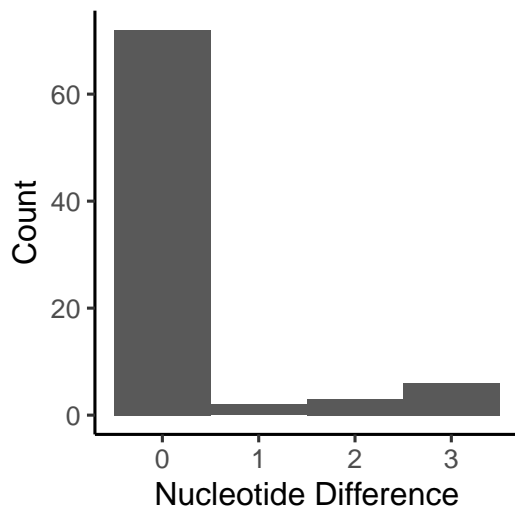
TRBV15*ap02

1504 sequences assigned
1484 (98.7%) exact matches, in which:
1470 unique CDR3
13 unique J



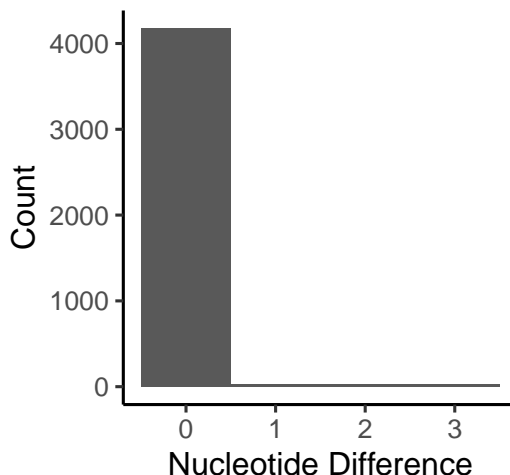
TRBV16*ap01

83 sequences assigned
72 (86.7%) exact matches, in which:
71 unique CDR3
12 unique J



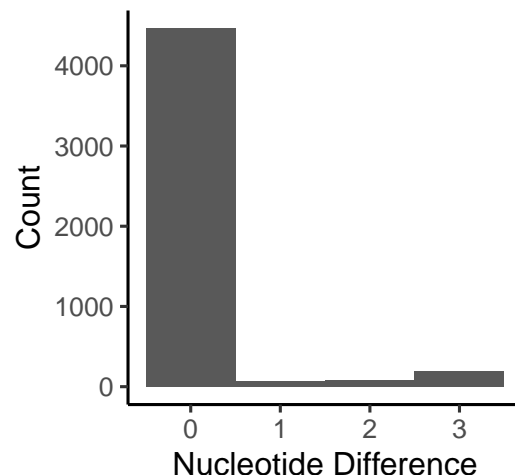
TRBV2*ap01

4269 sequences assigned
4176 (97.8%) exact matches, in which:
4143 unique CDR3
13 unique J



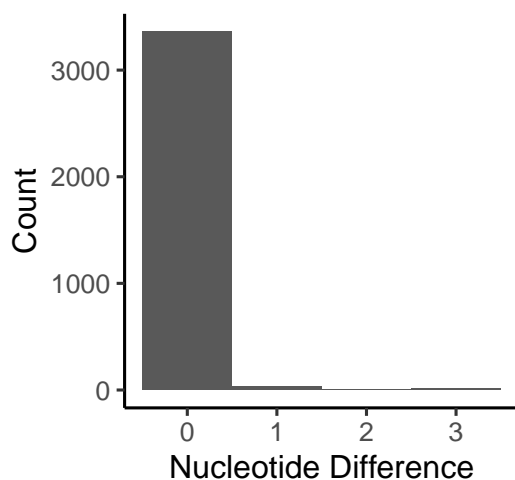
TRBV30*ap01

4808 sequences assigned
4466 (92.9%) exact matches, in which:
4360 unique CDR3
13 unique J



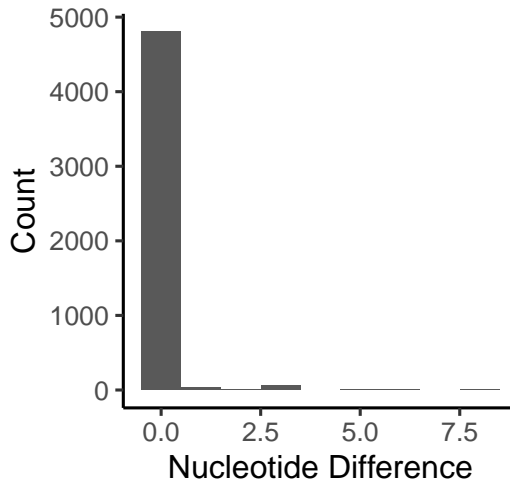
TRBV18*ap01

3415 sequences assigned
3360 (98.4%) exact matches, in which:
3289 unique CDR3
13 unique J



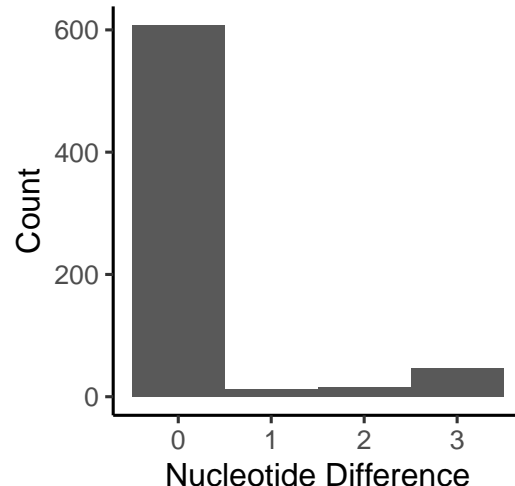
TRBV27*ap01

4913 sequences assigned
4804 (97.8%) exact matches, in which:
4771 unique CDR3
13 unique J



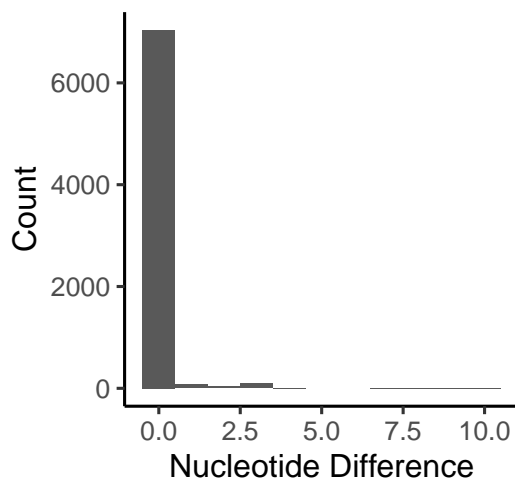
TRBV30*ap03

682 sequences assigned
608 (89.1%) exact matches, in which:
588 unique CDR3
13 unique J



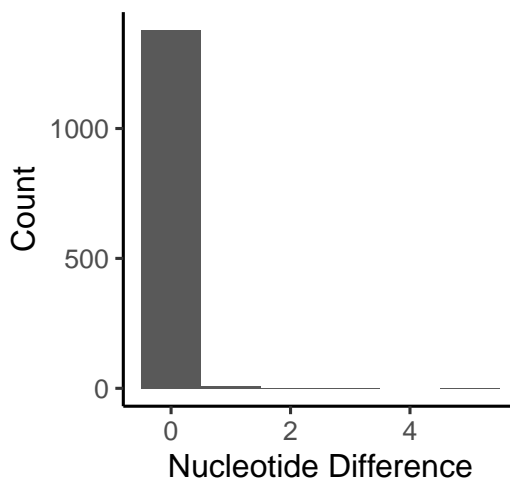
TRBV19*ap01

7247 sequences assigned
7038 (97.1%) exact matches, in which:
6967 unique CDR3
13 unique J



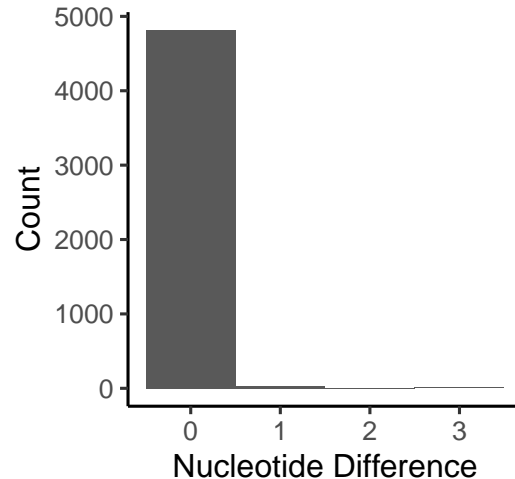
TRBV28*ap01

1392 sequences assigned
1379 (99.1%) exact matches, in which:
1373 unique CDR3
13 unique J



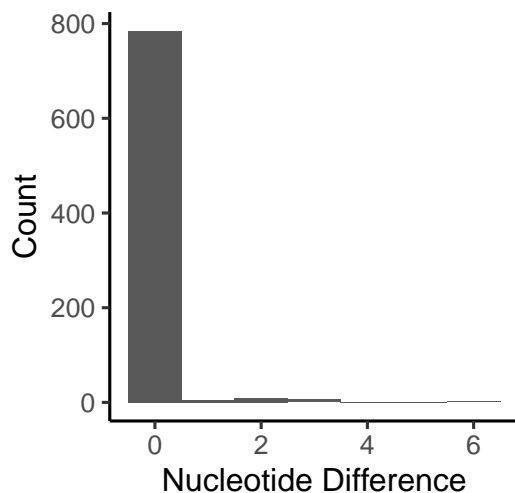
TRBV9*ap01

4869 sequences assigned
4816 (98.9%) exact matches, in which:
4750 unique CDR3
13 unique J



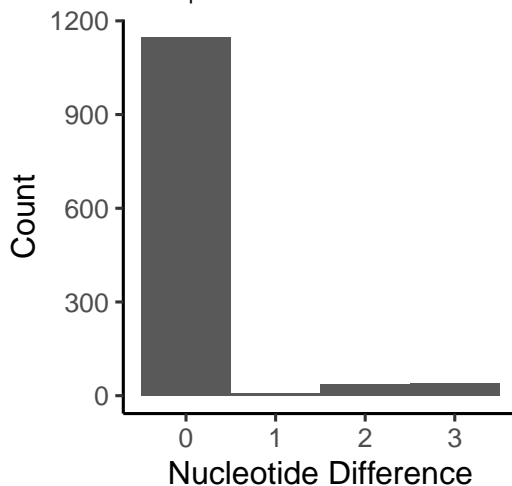
TRBV21–1*ap01

809 sequences assigned
785 (97%) exact matches, in which:
785 unique CDR3
13 unique J



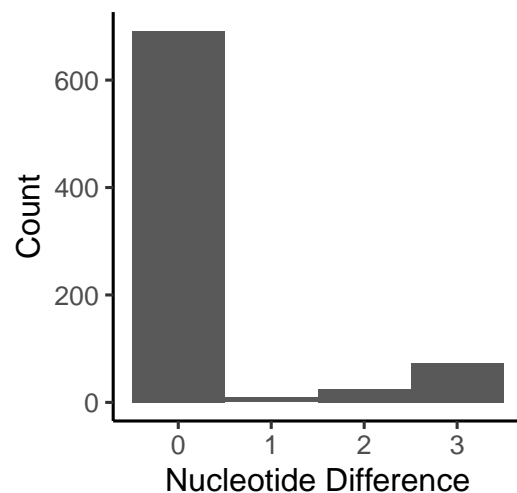
TRBV11–3*ap01

1230 sequences assigned
1147 (93.3%) exact matches, in which:
1127 unique CDR3
13 unique J



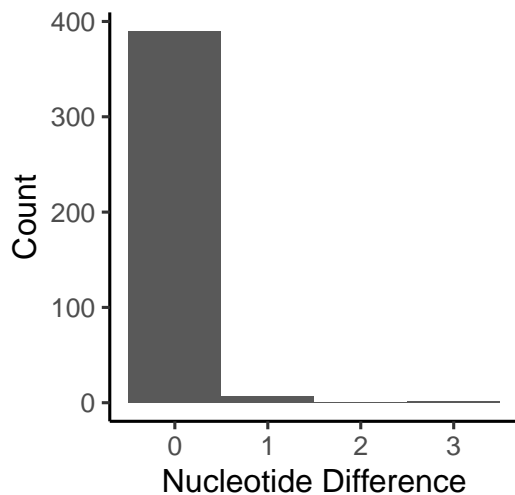
TRBV12–5*ap01

800 sequences assigned
692 (86.5%) exact matches, in which:
684 unique CDR3
13 unique J



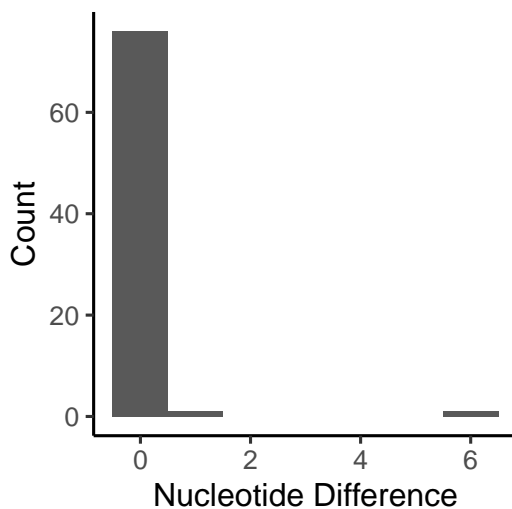
TRBV11–1*ap01

400 sequences assigned
390 (97.5%) exact matches, in which:
387 unique CDR3
13 unique J



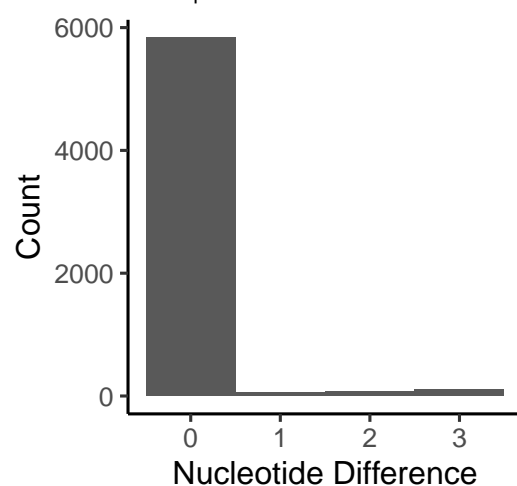
TRBV12–1*ap01

78 sequences assigned
76 (97.4%) exact matches, in which:
75 unique CDR3
12 unique J



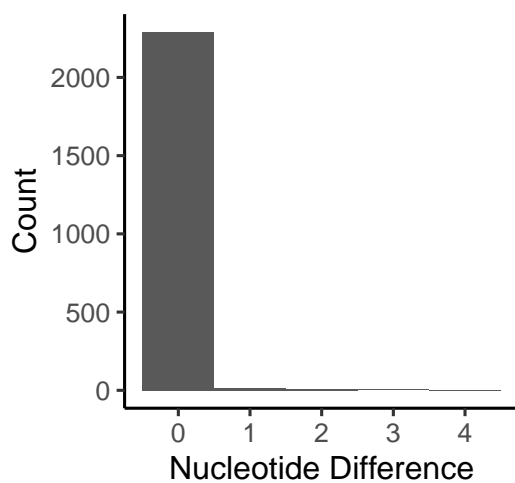
TRBV12–34*ap01

6063 sequences assigned
5835 (96.2%) exact matches, in which:
5758 unique CDR3
13 unique J



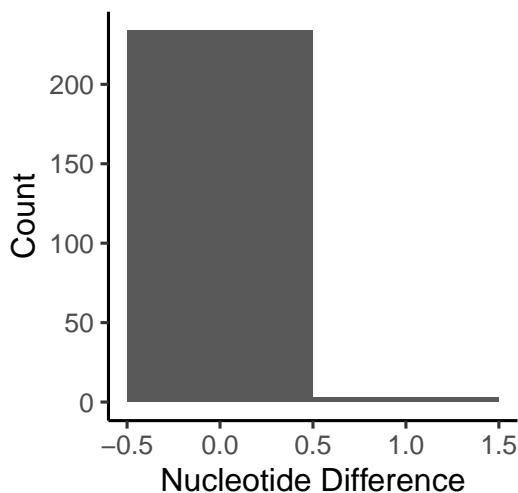
TRBV11–2*ap01

2320 sequences assigned
2290 (98.7%) exact matches, in which:
2272 unique CDR3
13 unique J



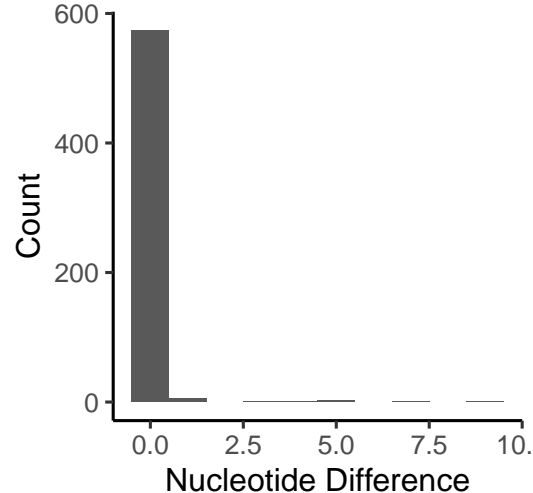
TRBV12–2*ap01

237 sequences assigned
234 (98.7%) exact matches, in which:
227 unique CDR3
13 unique J



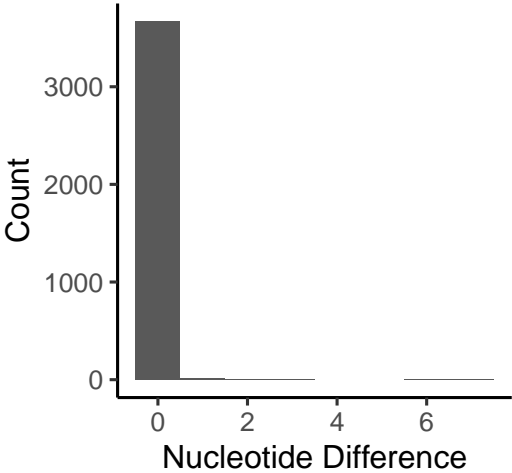
TRBV23–1*ap01

585 sequences assigned
574 (98.1%) exact matches, in which:
571 unique CDR3
13 unique J



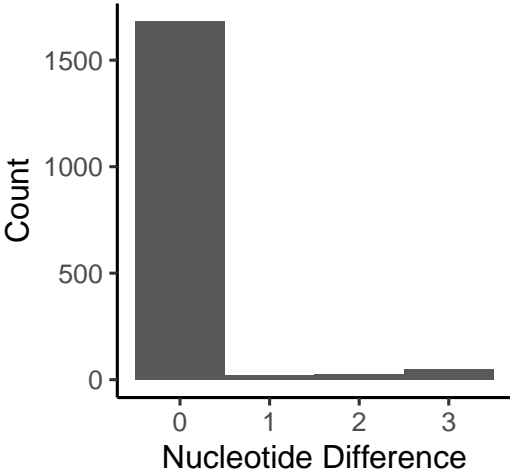
TRBV3-12*ap01

3695 sequences assigned
3669 (99.3%) exact matches, in which:
3642 unique CDR3
13 unique J



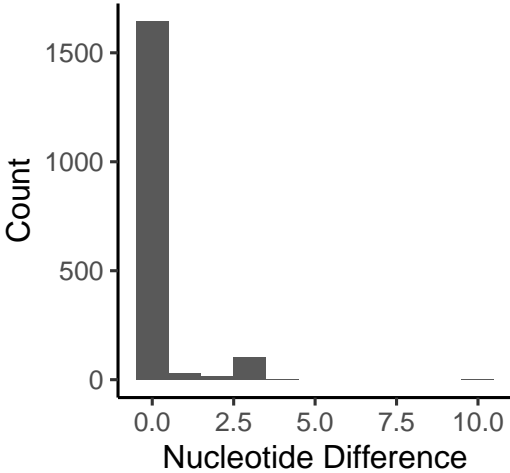
TRBV4-2*ap01

1779 sequences assigned
1682 (94.5%) exact matches, in which:
1644 unique CDR3
13 unique J



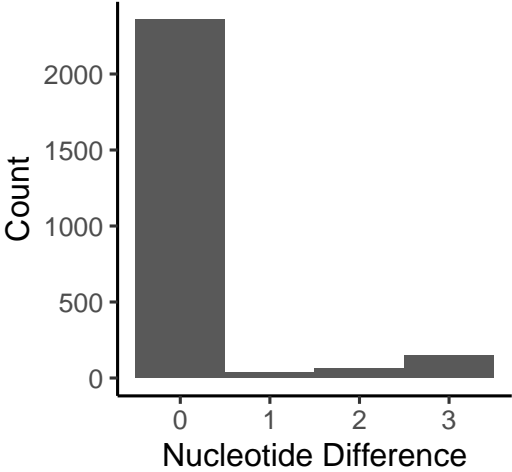
TRBV25-1*ap01

1799 sequences assigned
1644 (91.4%) exact matches, in which:
1612 unique CDR3
13 unique J



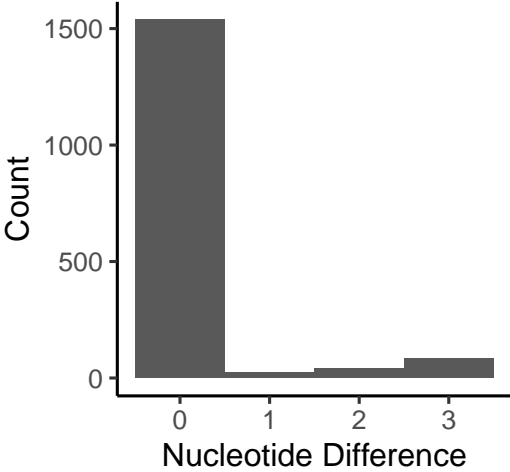
TRBV4-1*ap01

2604 sequences assigned
2357 (90.5%) exact matches, in which:
2299 unique CDR3
13 unique J



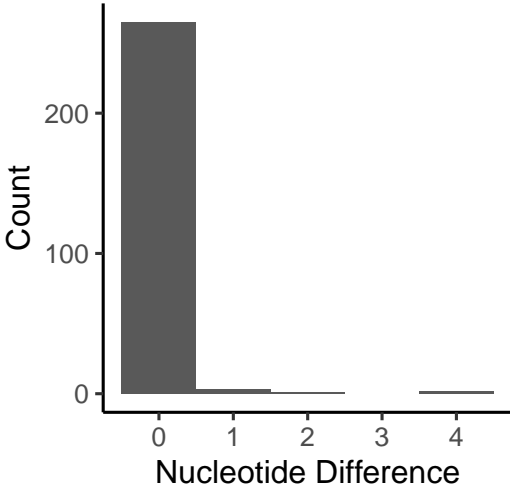
TRBV4-3*ap01

1689 sequences assigned
1538 (91.1%) exact matches, in which:
1499 unique CDR3
13 unique J



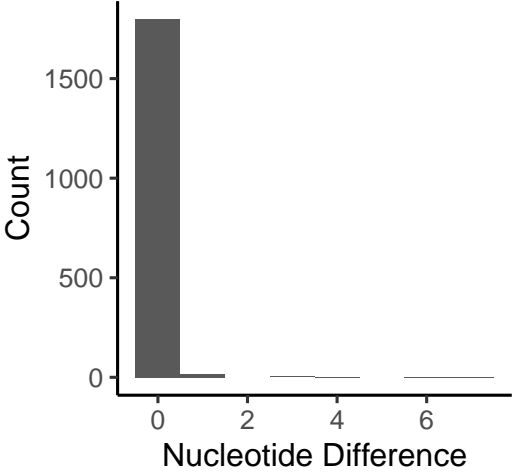
TRBV5-3*ap01

271 sequences assigned
265 (97.8%) exact matches, in which:
258 unique CDR3
13 unique J



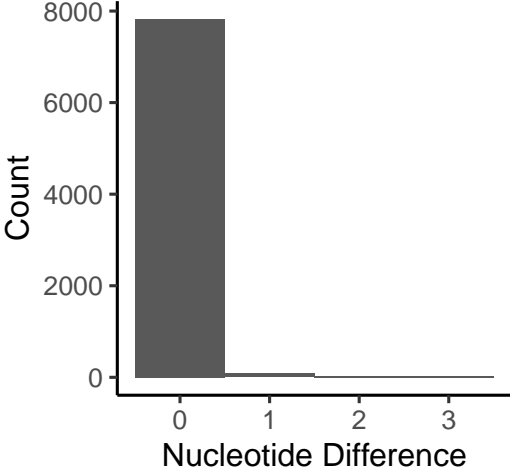
TRBV24-1*ap01

1823 sequences assigned
1799 (98.7%) exact matches, in which:
1783 unique CDR3
13 unique J



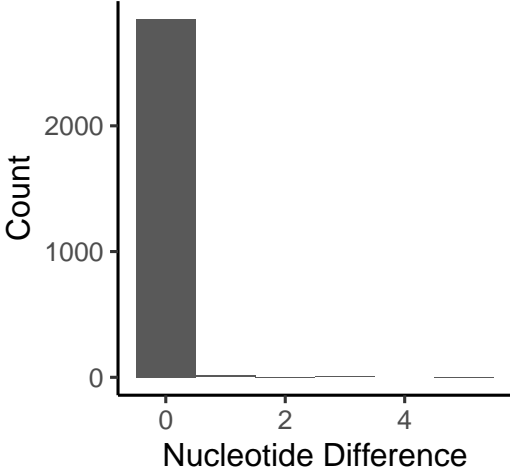
TRBV5-1*ap01

7953 sequences assigned
7825 (98.4%) exact matches, in which:
7703 unique CDR3
13 unique J



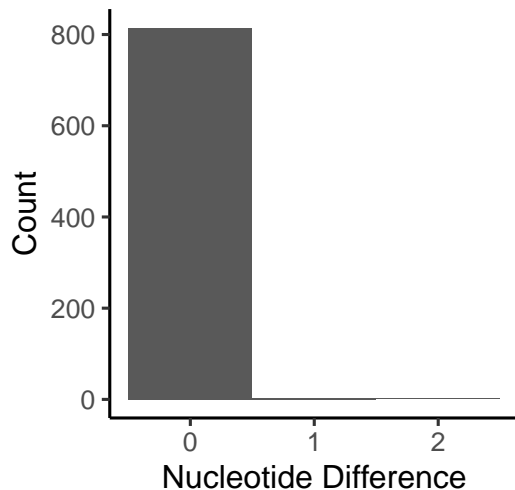
TRBV5-4*ap01

2873 sequences assigned
2849 (99.2%) exact matches, in which:
2818 unique CDR3
13 unique J



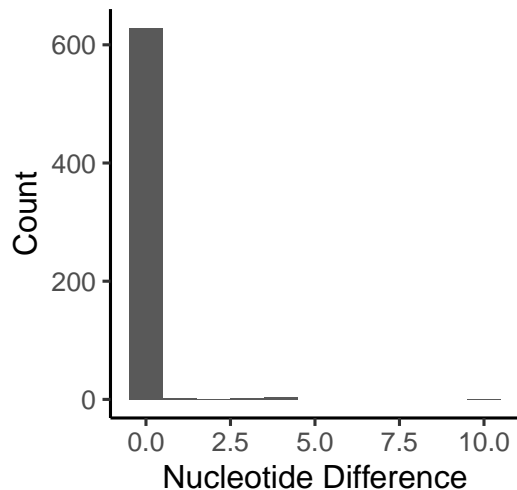
TRBV5-5*ap01

820 sequences assigned
815 (99.4%) exact matches, in which:
805 unique CDR3
13 unique J



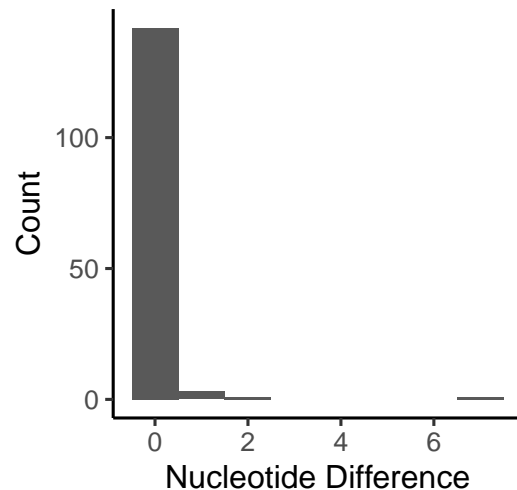
TRBV5-8*ap01

640 sequences assigned
629 (98.3%) exact matches, in which:
625 unique CDR3
13 unique J



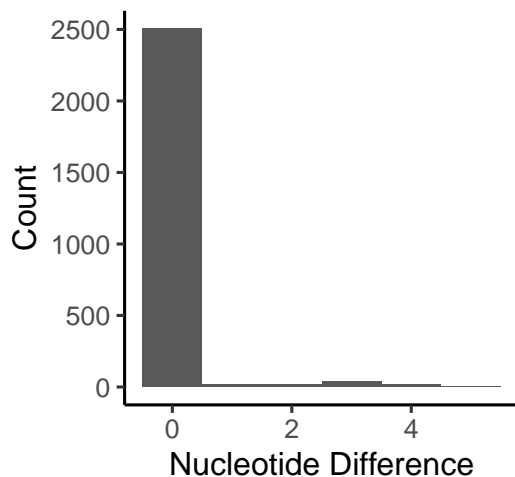
TRBV6-7*ap01

147 sequences assigned
142 (96.6%) exact matches, in which:
141 unique CDR3
12 unique J



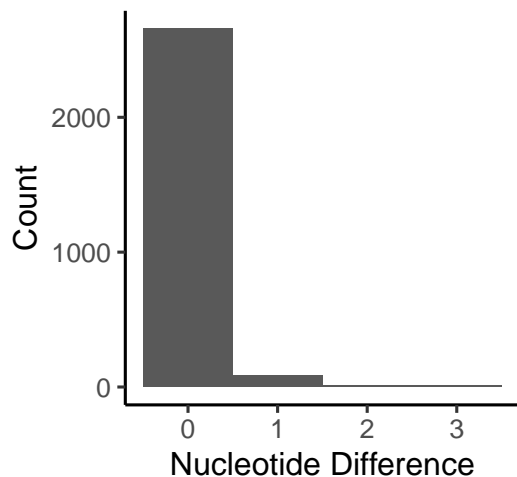
TRBV5-6*ap01

2598 sequences assigned
2505 (96.4%) exact matches, in which:
2457 unique CDR3
13 unique J



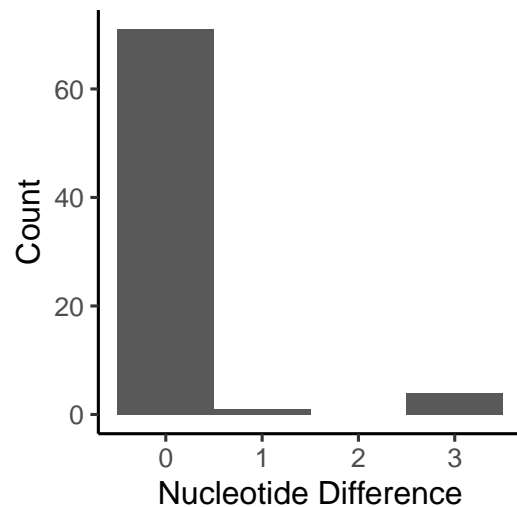
TRBV6-1*ap01

2768 sequences assigned
2657 (96%) exact matches, in which:
2612 unique CDR3
13 unique J



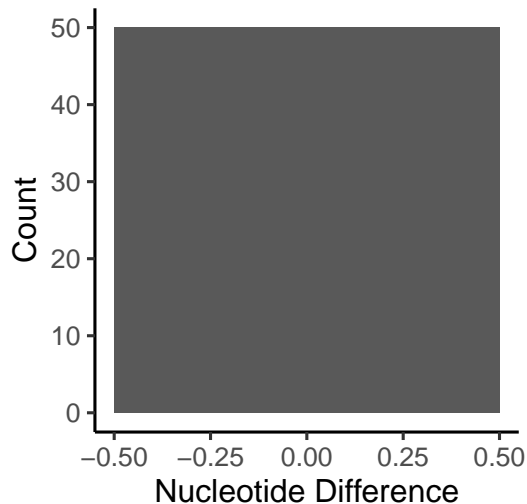
TRBV6-8*ap01

76 sequences assigned
71 (93.4%) exact matches, in which:
67 unique CDR3
12 unique J



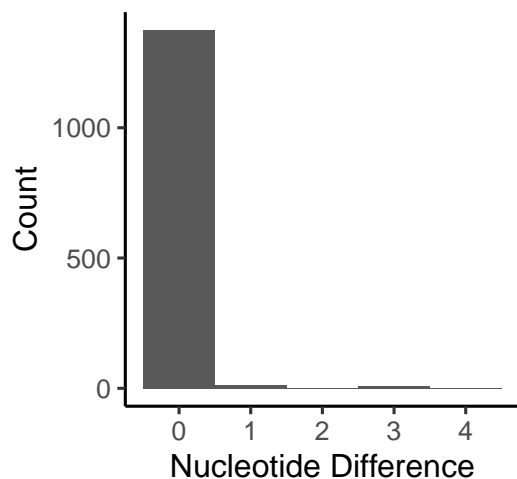
TRBV5-7*ap01

50 sequences assigned
50 (100%) exact matches, in which:
48 unique CDR3
12 unique J



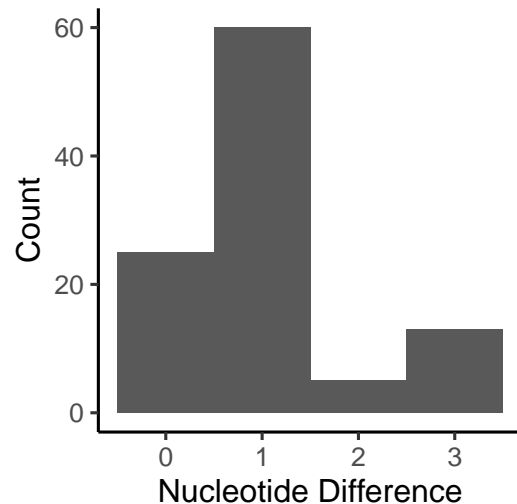
TRBV6-4*ap01

1398 sequences assigned
1375 (98.4%) exact matches, in which:
1365 unique CDR3
13 unique J



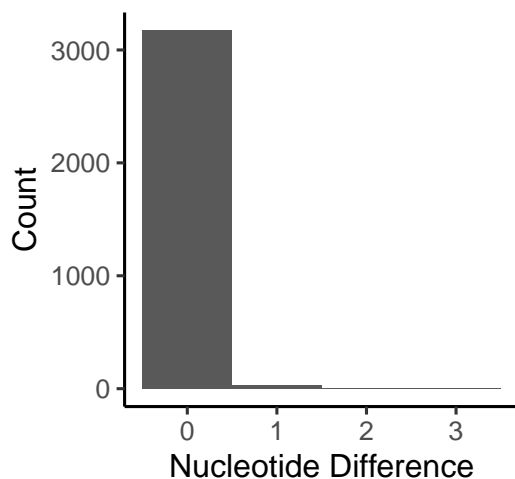
TRBV6-9*ap01

103 sequences assigned
25 (24.3%) exact matches, in which:
25 unique CDR3
10 unique J



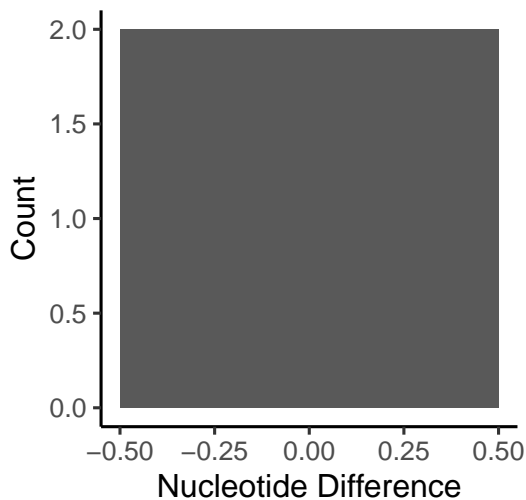
TRBV6-23*ap01

3209 sequences assigned
3173 (98.9%) exact matches, in which:
3104 unique CDR3
13 unique J



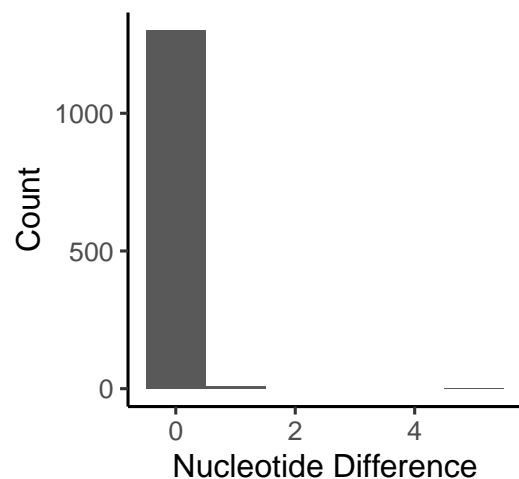
TRBV7-1*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



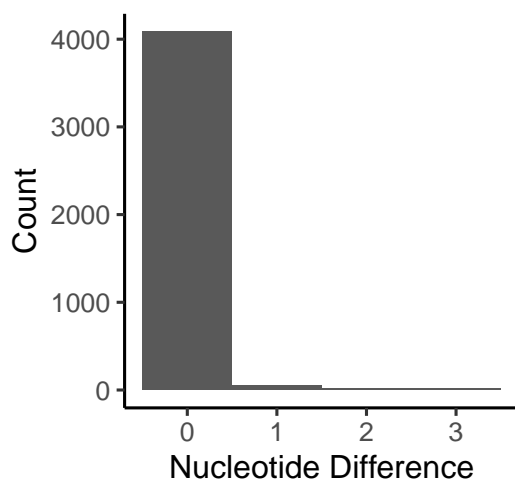
TRBV7-3*ap01

1311 sequences assigned
1301 (99.2%) exact matches, in which:
1291 unique CDR3
13 unique J



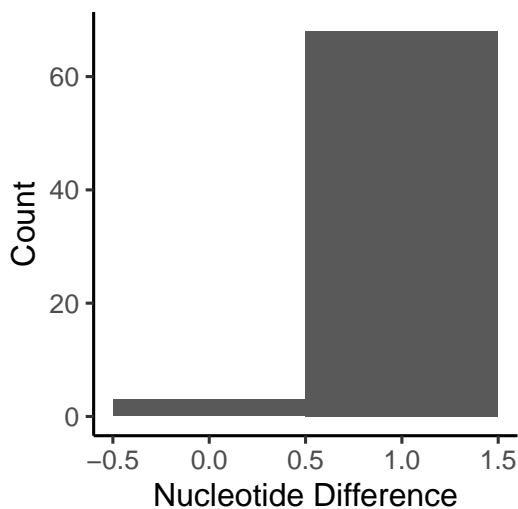
TRBV6-56*ap01

4168 sequences assigned
4085 (98%) exact matches, in which:
4005 unique CDR3
13 unique J



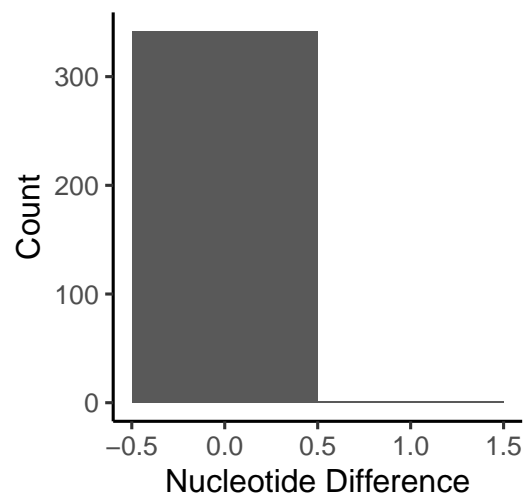
TRBV7-1*ap01_T296C_C

71 sequences assigned
3 (4.2%) exact matches, in which:
3 unique CDR3
3 unique J



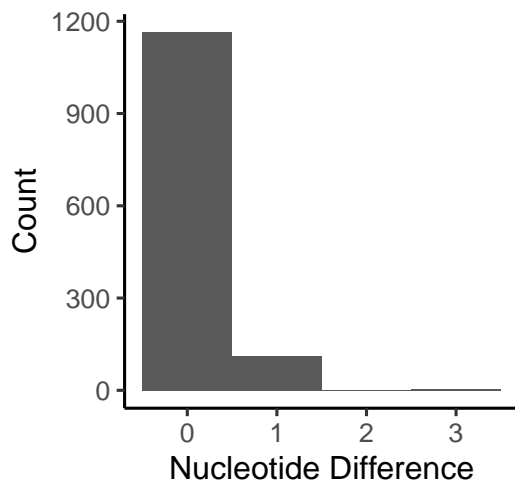
TRBV7-3*ap03

343 sequences assigned
342 (99.7%) exact matches, in which:
340 unique CDR3
13 unique J



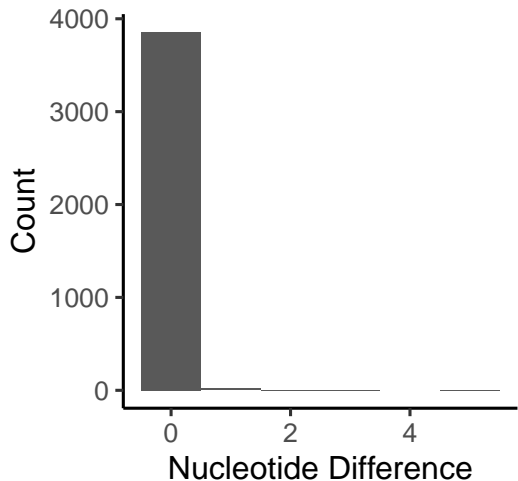
TRBV6-56*ap02

1282 sequences assigned
1165 (90.9%) exact matches, in which:
1144 unique CDR3
13 unique J



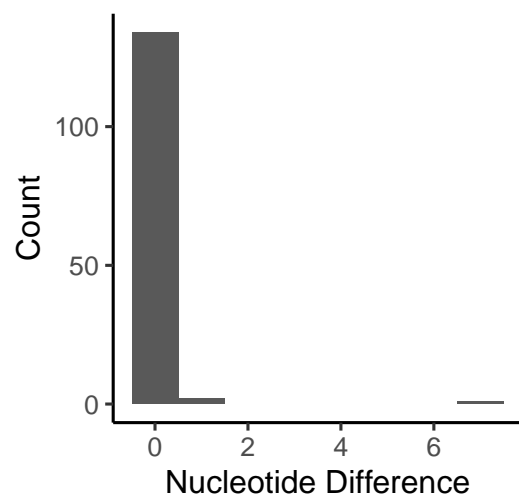
TRBV7-2*ap01

3883 sequences assigned
3857 (99.3%) exact matches, in which:
3816 unique CDR3
13 unique J



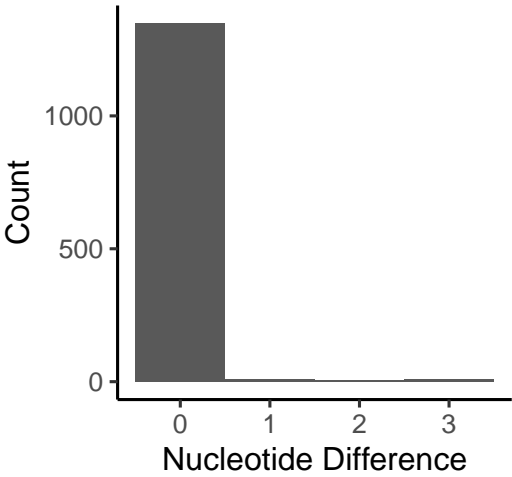
TRBV7-4*ap01

137 sequences assigned
134 (97.8%) exact matches, in which:
131 unique CDR3
13 unique J



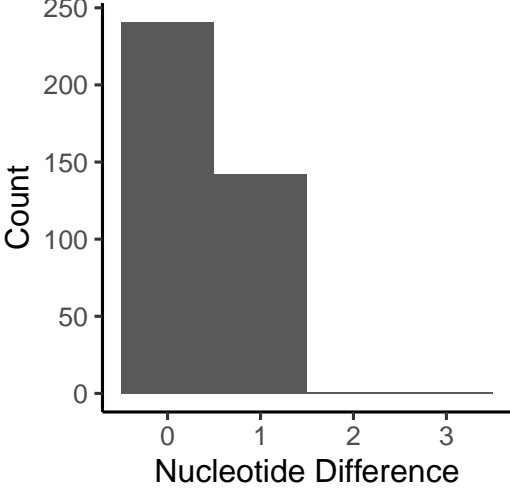
TRBV7-6*ap01

1371 sequences assigned
1348 (98.3%) exact matches, in which:
1327 unique CDR3
13 unique J



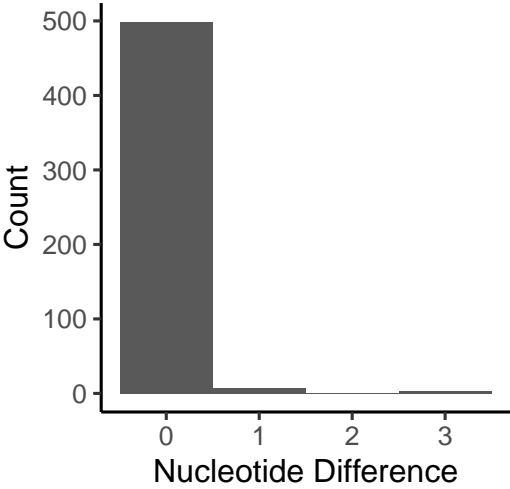
TRBV7-8*ap03

385 sequences assigned
241 (62.6%) exact matches, in which:
240 unique CDR3
13 unique J



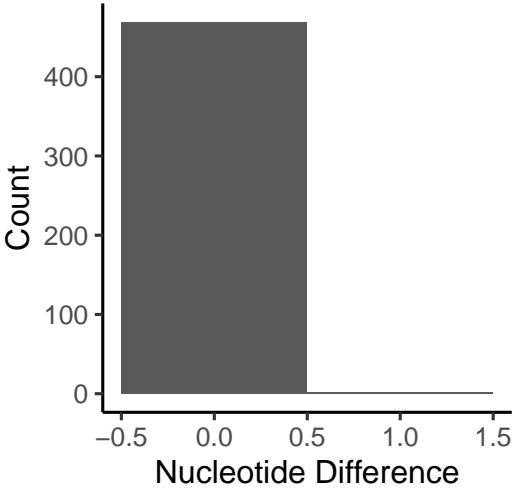
TRBV29-1*ap02

510 sequences assigned
499 (97.8%) exact matches, in which:
487 unique CDR3
13 unique J



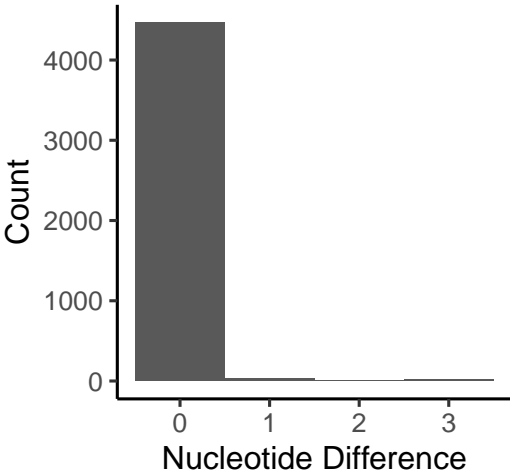
TRBV7-7*ap01

471 sequences assigned
469 (99.6%) exact matches, in which:
464 unique CDR3
13 unique J



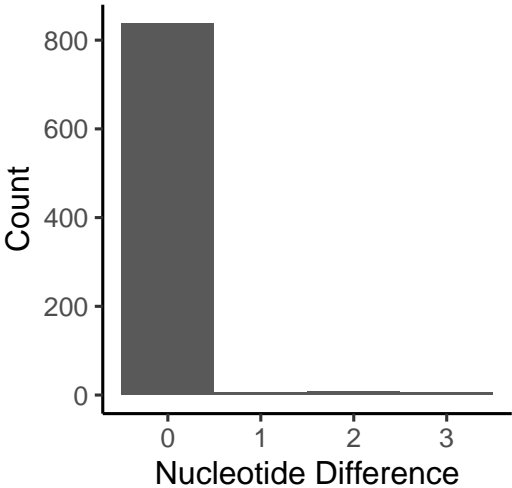
TRBV7-9*ap01

4517 sequences assigned
4465 (98.8%) exact matches, in which:
4414 unique CDR3
13 unique J



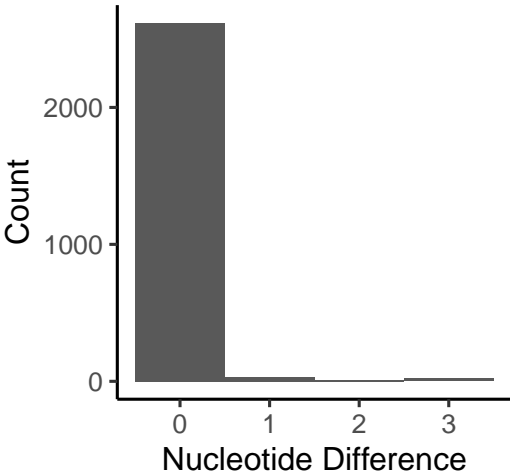
TRBV7-8*ap01

858 sequences assigned
838 (97.7%) exact matches, in which:
832 unique CDR3
13 unique J

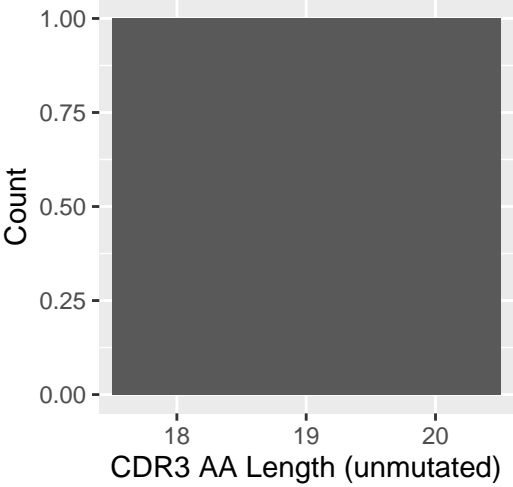


TRBV29-1*ap01

2678 sequences assigned
2616 (97.7%) exact matches, in which:
2558 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T





[illegible]