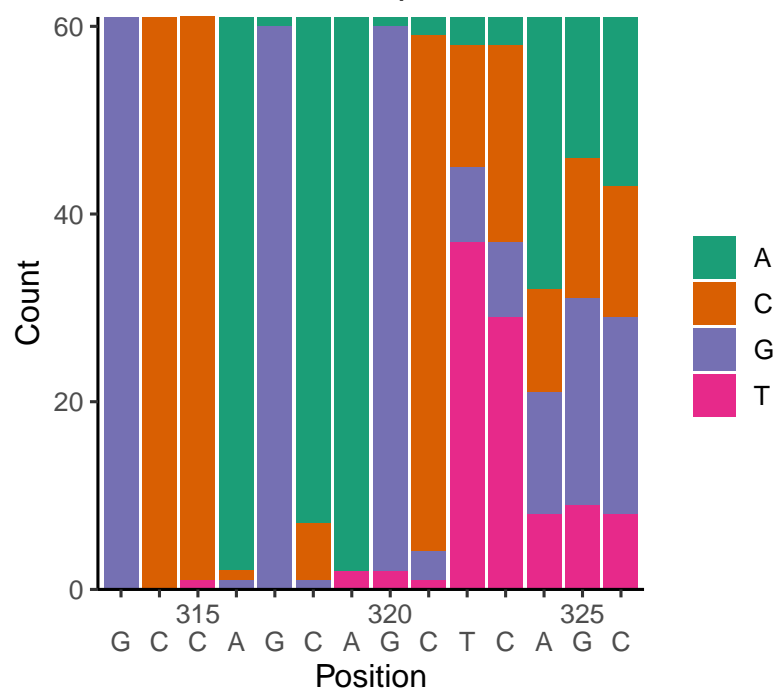
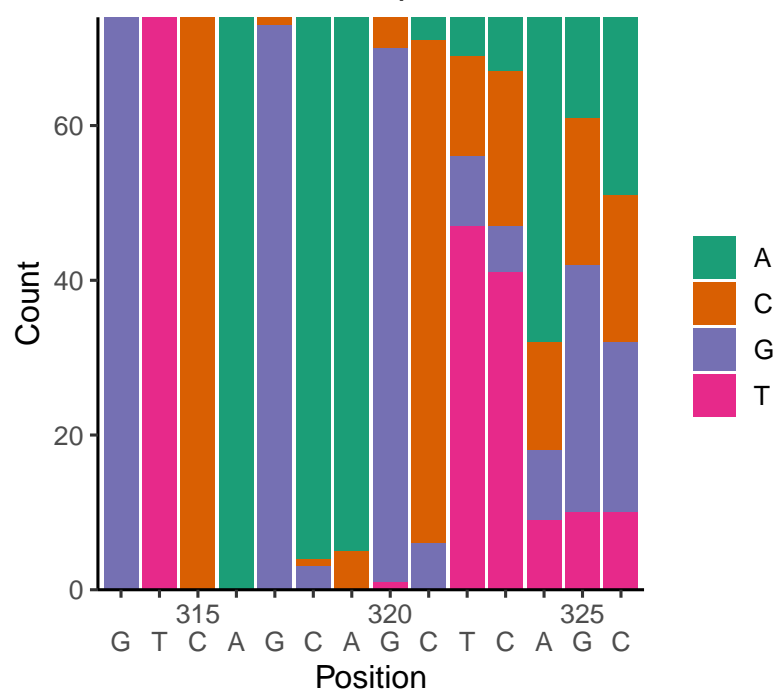


Gene TRBV7-1*ap01_G291C_T296C



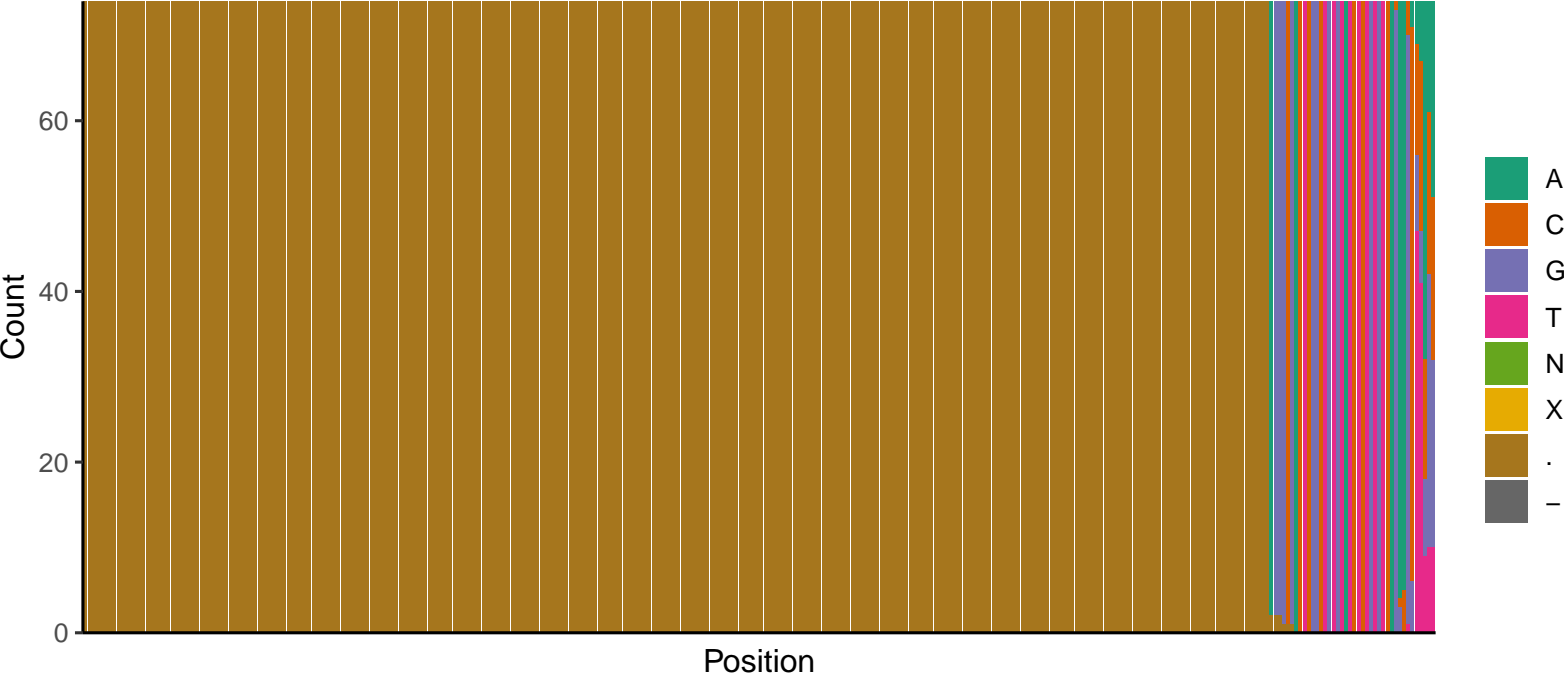
Gene TRBV7-1*ap01_G291C_T296C_C314T



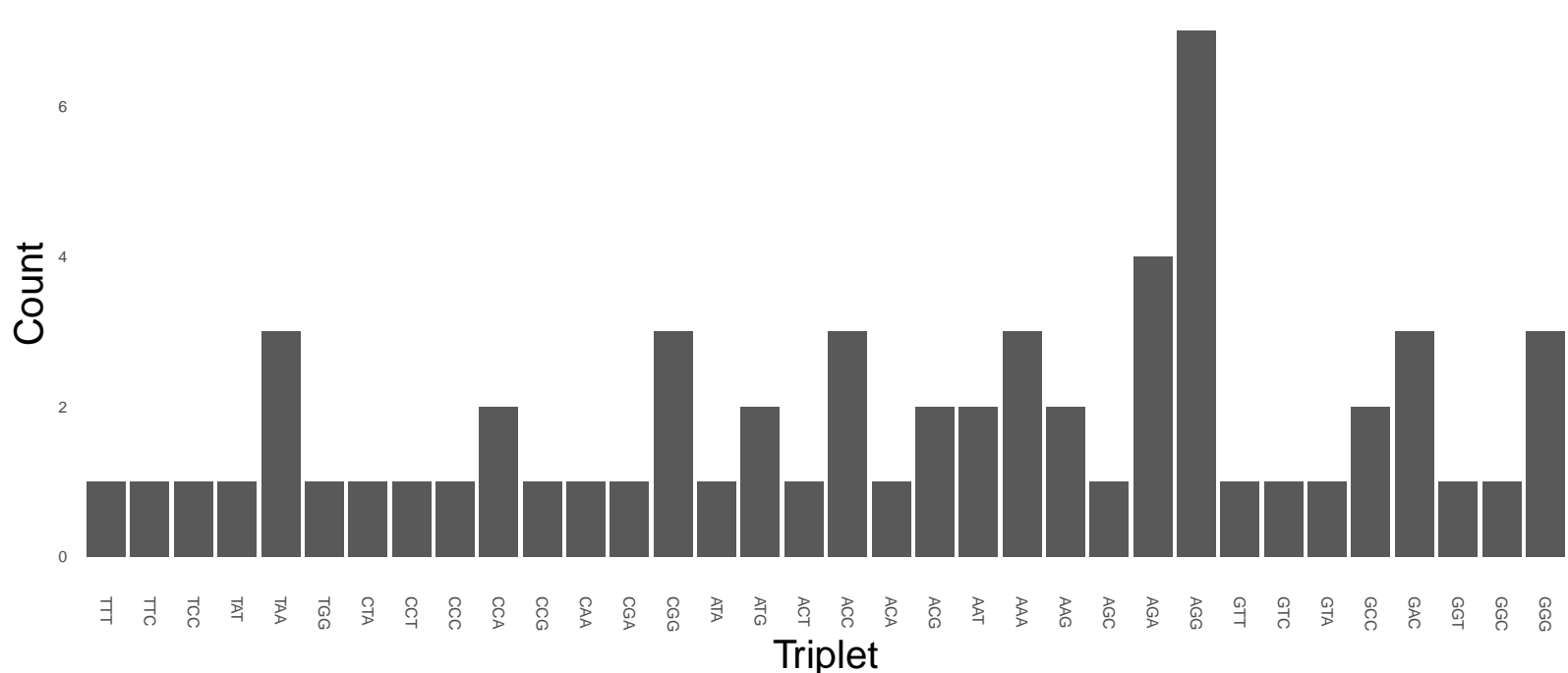
Gene TRBV7-1*ap01_G291C_T296C



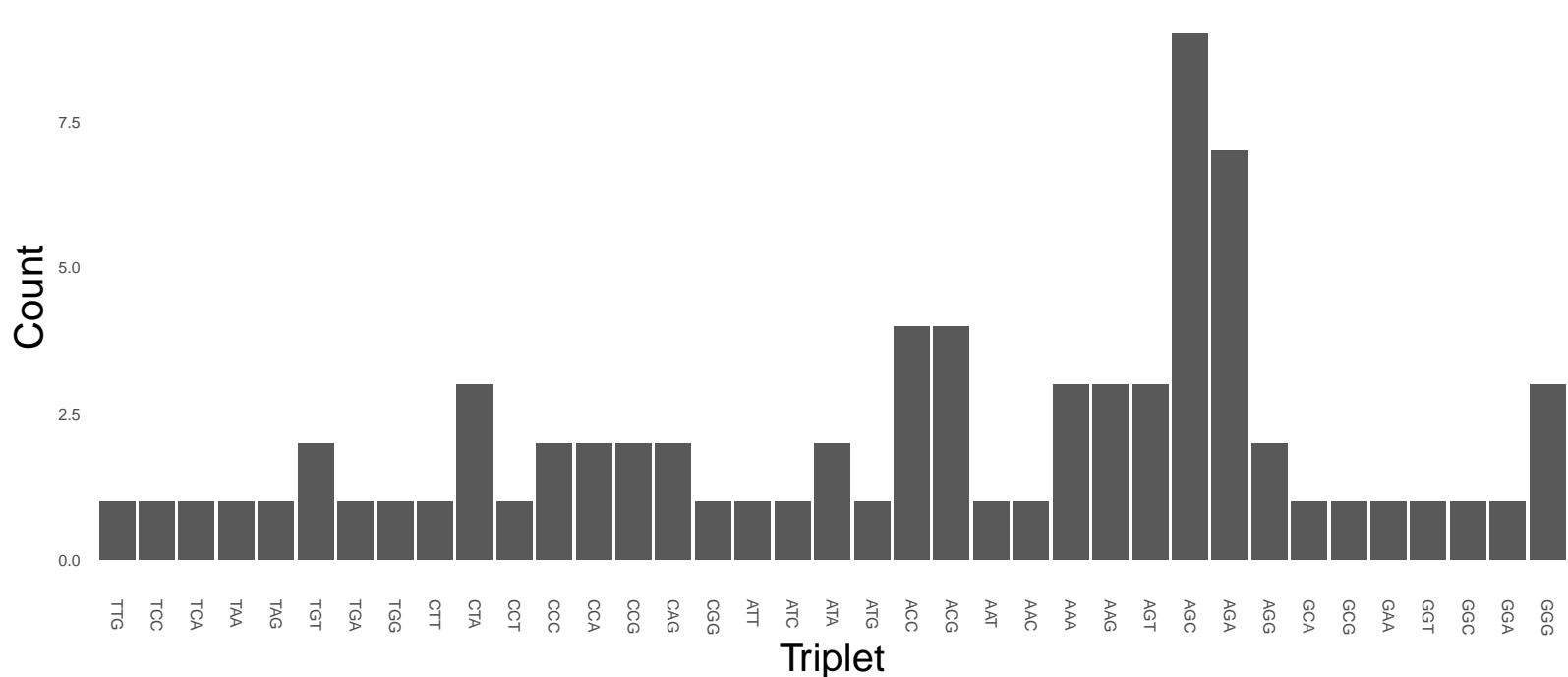
Gene TRBV7-1*ap01_G291C_T296C_C314T



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

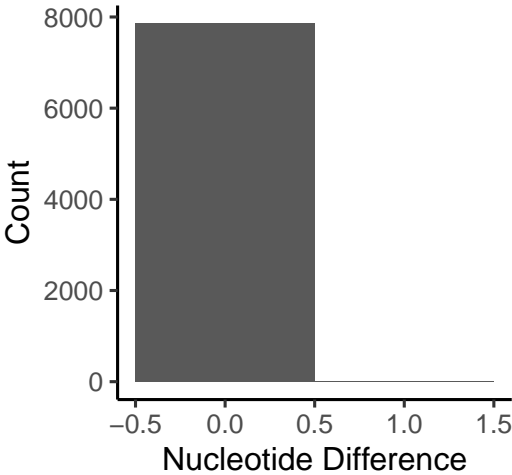


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



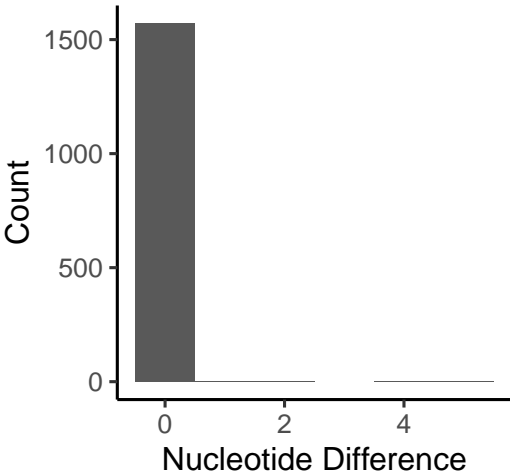
TRBV20-1*ap01

7871 sequences assigned
7859 (99.8%) exact matches, in which:
7854 unique CDR3
13 unique J



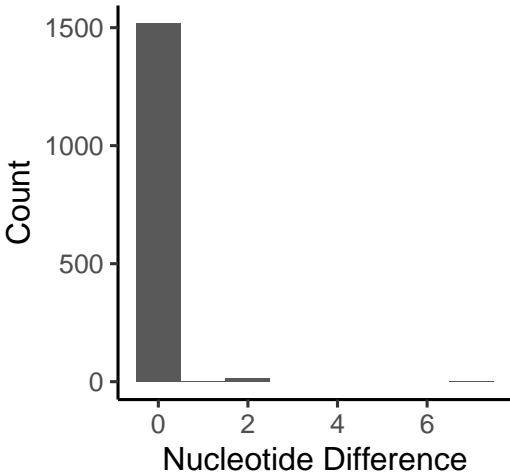
TRBV10-2*ap01

1578 sequences assigned
1571 (99.6%) exact matches, in which:
1571 unique CDR3
13 unique J



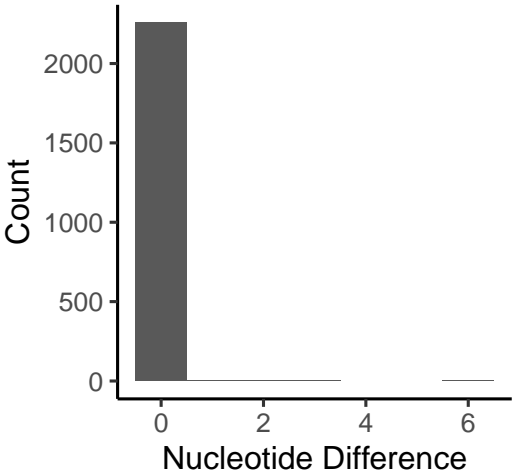
TRBV13*ap01

1539 sequences assigned
1518 (98.6%) exact matches, in which:
1517 unique CDR3
13 unique J



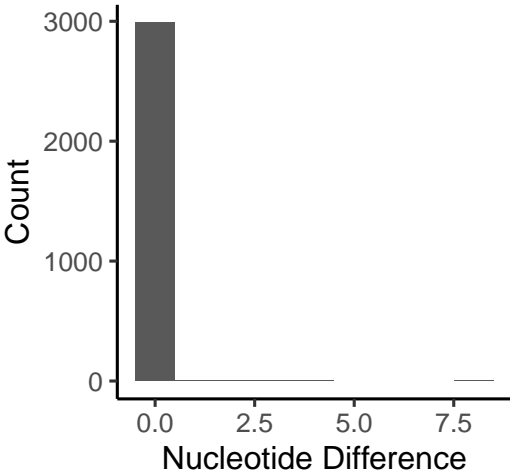
TRBV10-1*ap01

2264 sequences assigned
2257 (99.7%) exact matches, in which:
2257 unique CDR3
13 unique J



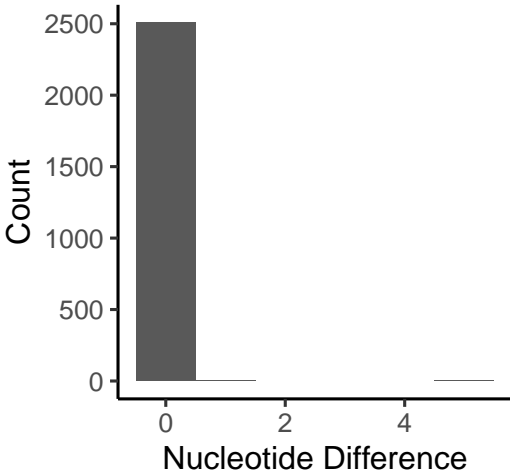
TRBV10-3*ap01

3000 sequences assigned
2988 (99.6%) exact matches, in which:
2988 unique CDR3
13 unique J



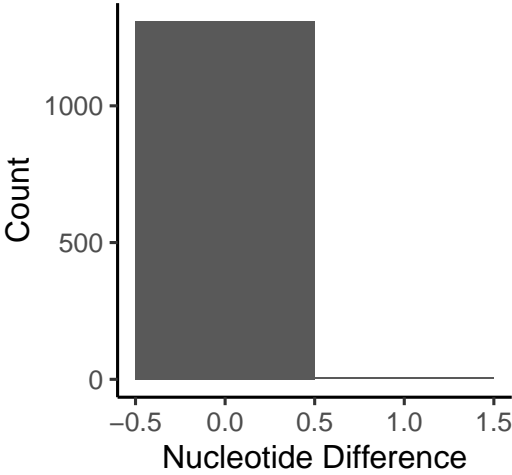
TRBV14*ap01

2510 sequences assigned
2507 (99.9%) exact matches, in which:
2507 unique CDR3
13 unique J



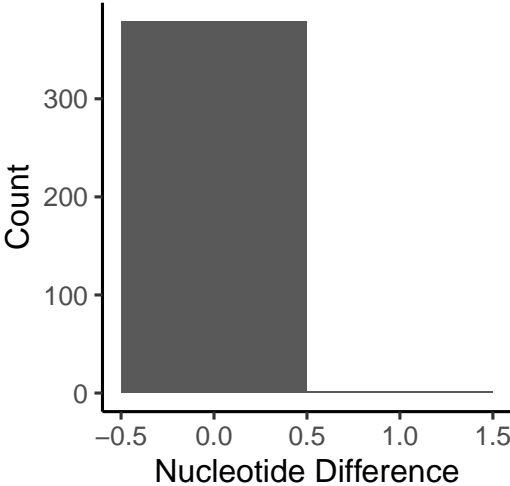
TRBV20-1*ap02

1316 sequences assigned
1310 (99.5%) exact matches, in which:
1310 unique CDR3
13 unique J



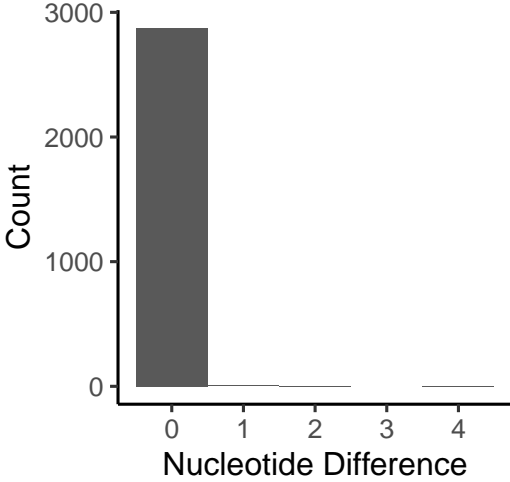
TRBV1*ap01

381 sequences assigned
379 (99.5%) exact matches, in which:
379 unique CDR3
13 unique J



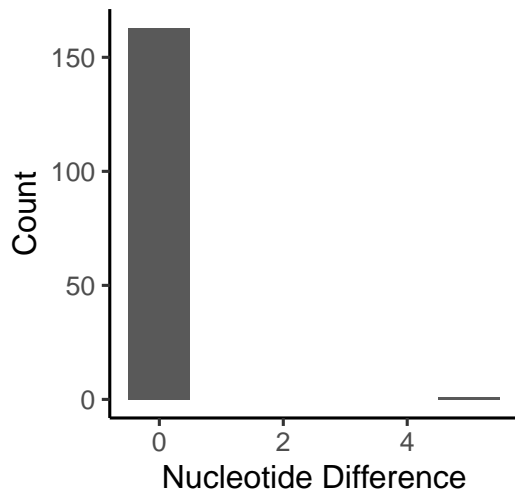
TRBV15*ap02

2884 sequences assigned
2874 (99.7%) exact matches, in which:
2873 unique CDR3
13 unique J



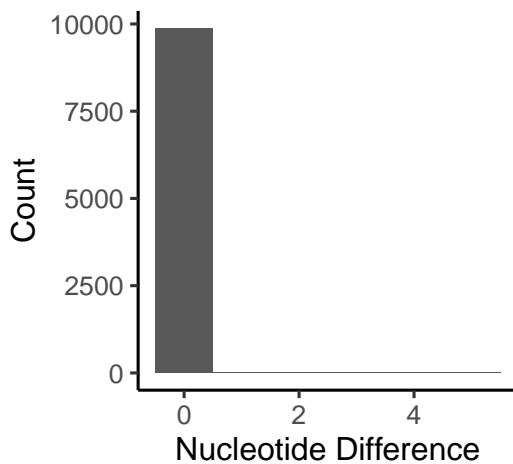
TRBV16*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
163 unique CDR3
13 unique J



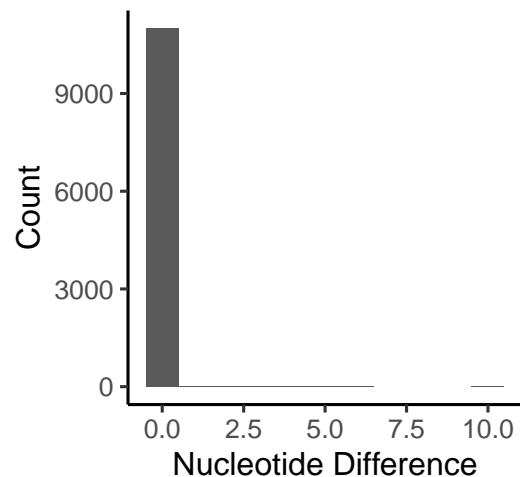
TRBV19*ap01

9906 sequences assigned
9880 (99.7%) exact matches, in which:
9879 unique CDR3
13 unique J



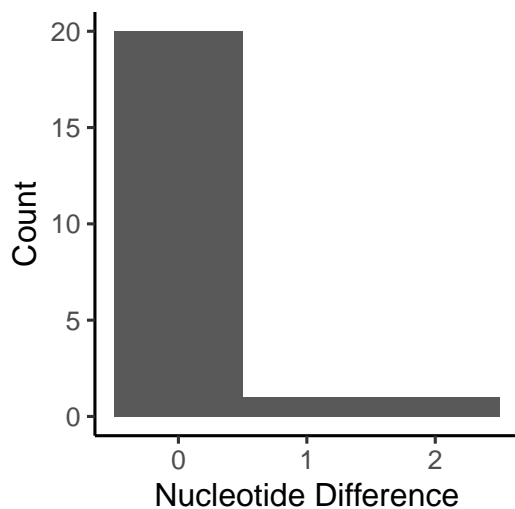
TRBV27*ap01

11046 sequences assigned
10999 (99.6%) exact matches, in which:
10962 unique CDR3
13 unique J



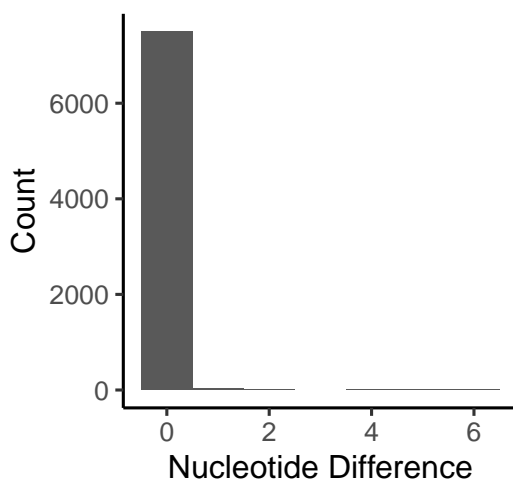
TRBV17*ap01

22 sequences assigned
20 (90.9%) exact matches, in which:
20 unique CDR3
9 unique J



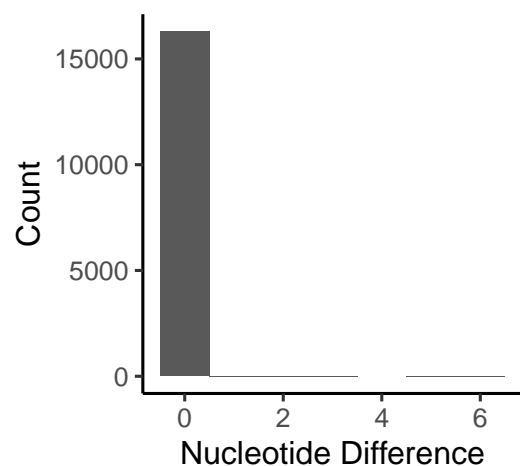
TRBV2*ap01

7524 sequences assigned
7496 (99.6%) exact matches, in which:
7482 unique CDR3
13 unique J



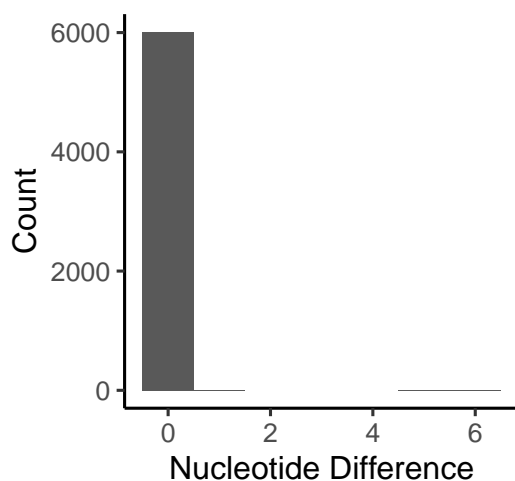
TRBV28*ap01

16326 sequences assigned
16297 (99.8%) exact matches, in which:
16296 unique CDR3
13 unique J



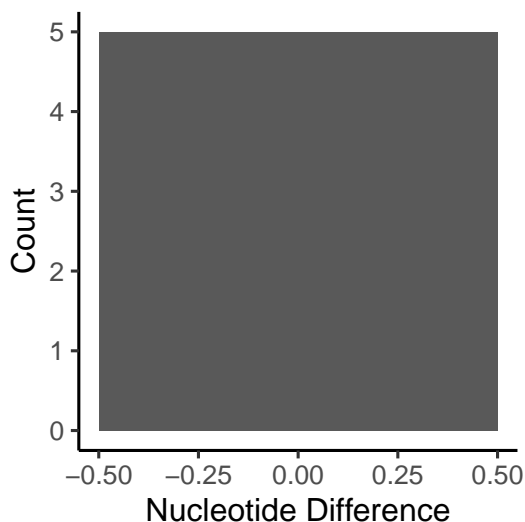
TRBV18*ap01

6022 sequences assigned
6009 (99.8%) exact matches, in which:
6007 unique CDR3
13 unique J



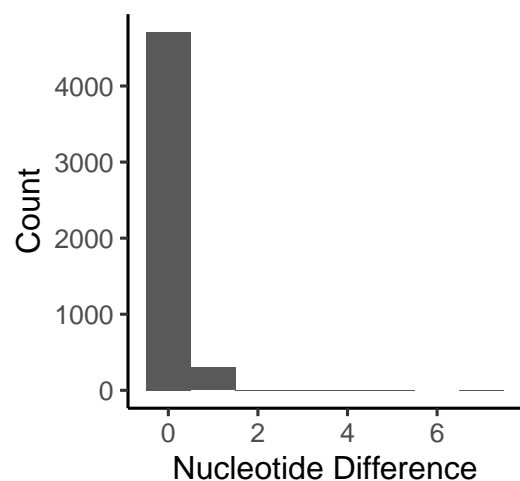
TRBV26*ap01

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
3 unique J



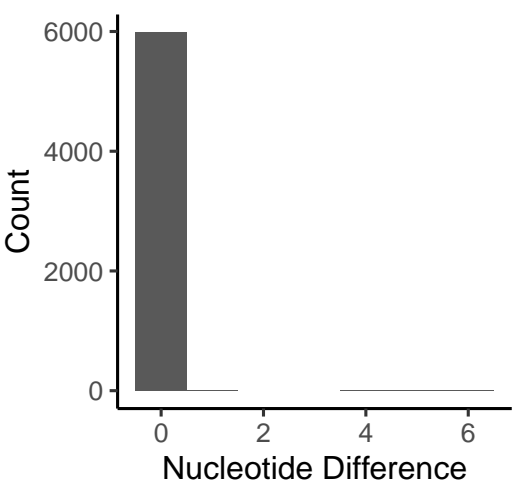
TRBV30*ap01

5016 sequences assigned
4709 (93.9%) exact matches, in which:
4694 unique CDR3
13 unique J



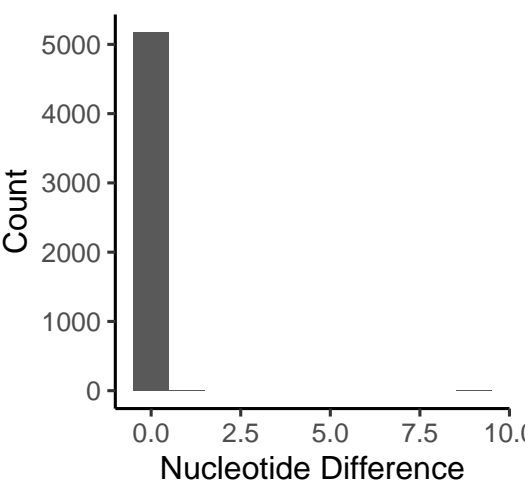
TRBV9*ap01

5994 sequences assigned
5985 (99.8%) exact matches, in which:
5981 unique CDR3
13 unique J



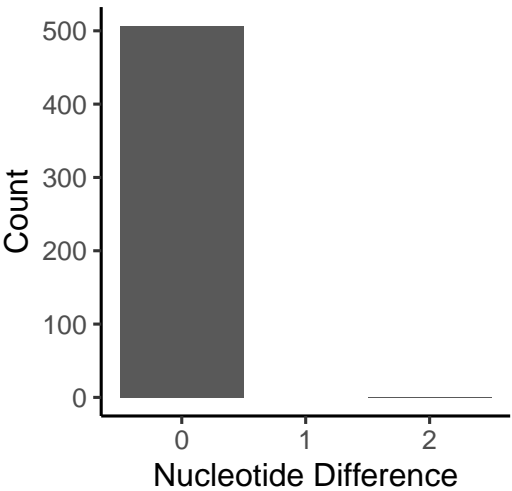
TRBV11-2*ap01

5179 sequences assigned
5173 (99.9%) exact matches, in which:
5173 unique CDR3
13 unique J



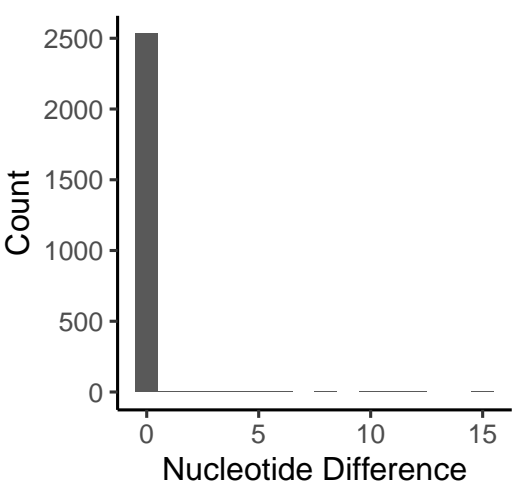
TRBV12-2*ap01

508 sequences assigned
507 (99.8%) exact matches, in which:
507 unique CDR3
13 unique J



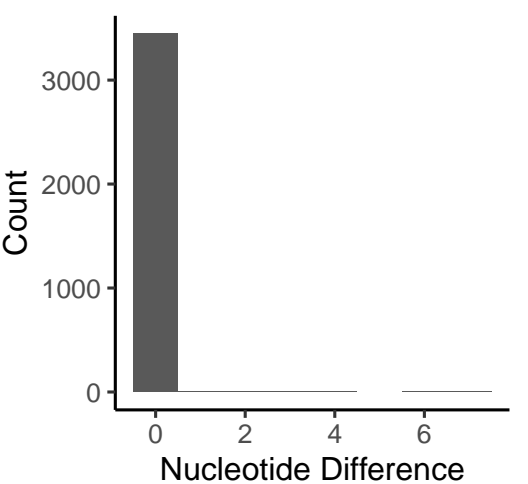
TRBV21-1*ap01

2554 sequences assigned
2532 (99.1%) exact matches, in which:
2532 unique CDR3
13 unique J



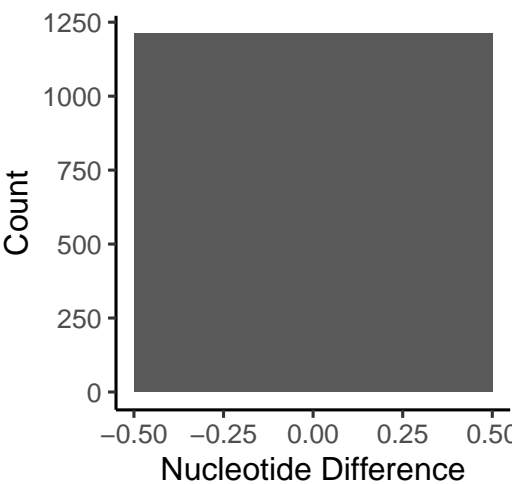
TRBV11-3*ap01

3454 sequences assigned
3446 (99.8%) exact matches, in which:
3446 unique CDR3
13 unique J



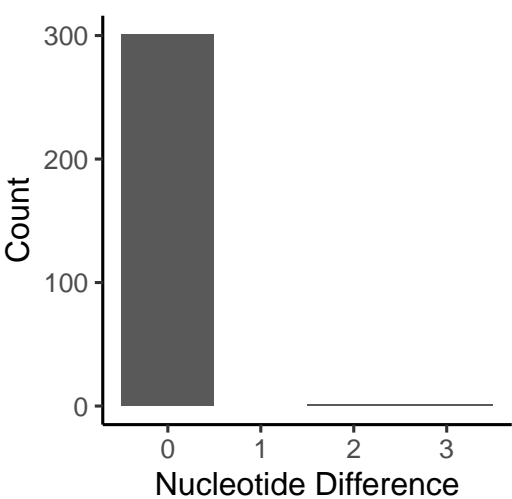
TRBV12-5*ap01

1211 sequences assigned
1211 (100%) exact matches, in which:
1211 unique CDR3
13 unique J



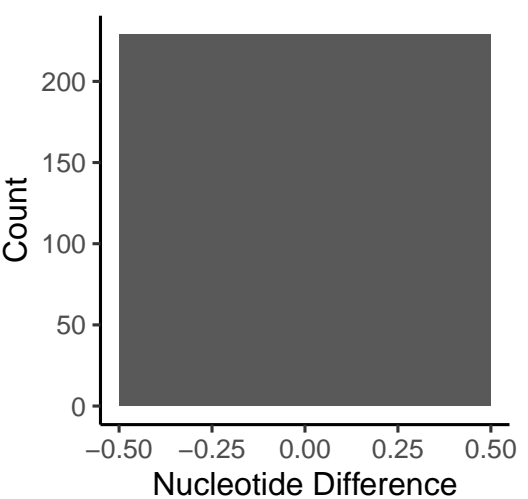
TRBV11-1*ap01

303 sequences assigned
301 (99.3%) exact matches, in which:
301 unique CDR3
13 unique J



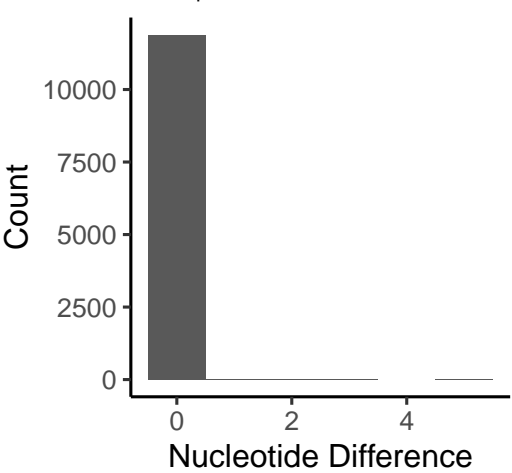
TRBV12-1*ap01

229 sequences assigned
229 (100%) exact matches, in which:
229 unique CDR3
13 unique J



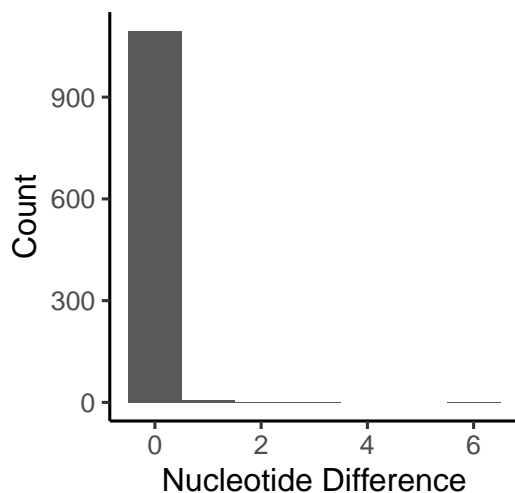
TRBV12-34*ap01

11904 sequences assigned
11887 (99.9%) exact matches, in which:
11884 unique CDR3
13 unique J



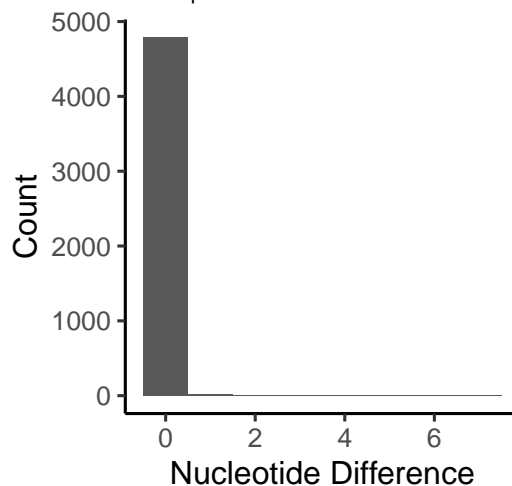
TRBV23–1*ap01

1106 sequences assigned
1096 (99.1%) exact matches, in which:
1096 unique CDR3
13 unique J



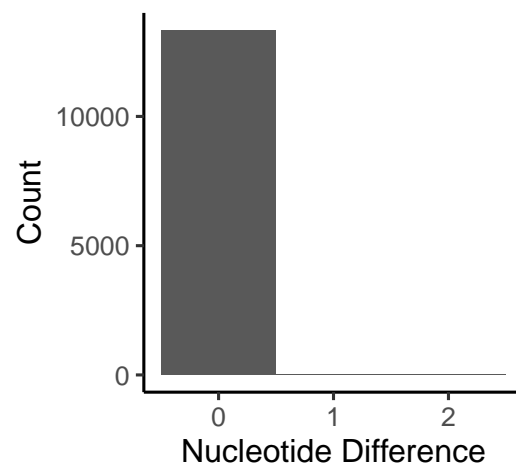
TRBV24–1*ap01

4812 sequences assigned
4788 (99.5%) exact matches, in which:
4776 unique CDR3
13 unique J



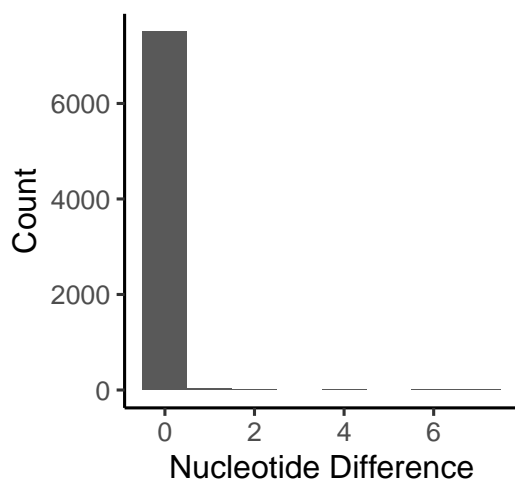
TRBV5–1*ap01

13363 sequences assigned
13337 (99.8%) exact matches, in which:
13307 unique CDR3
13 unique J



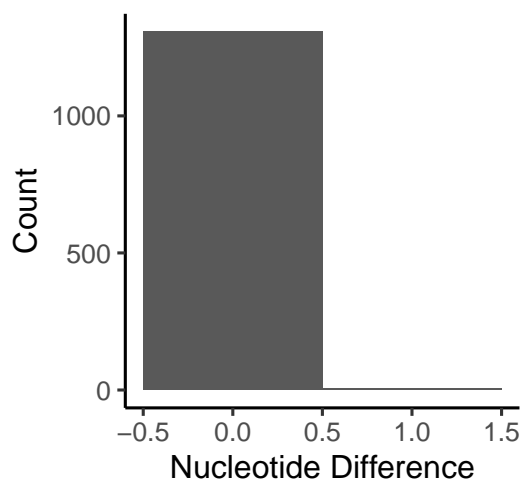
TRBV3–12*ap01

7538 sequences assigned
7502 (99.5%) exact matches, in which:
7482 unique CDR3
13 unique J



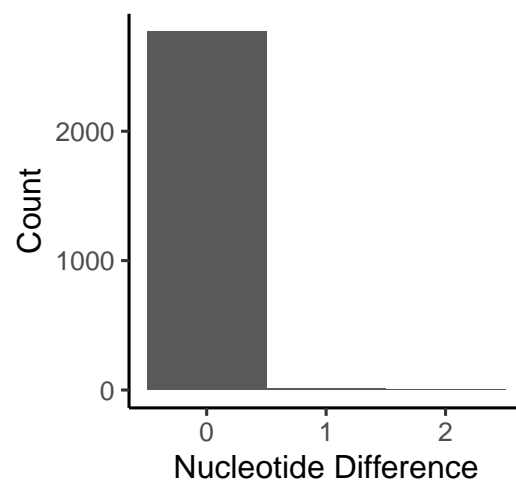
TRBV4–2*ap01

1314 sequences assigned
1307 (99.5%) exact matches, in which:
1306 unique CDR3
13 unique J



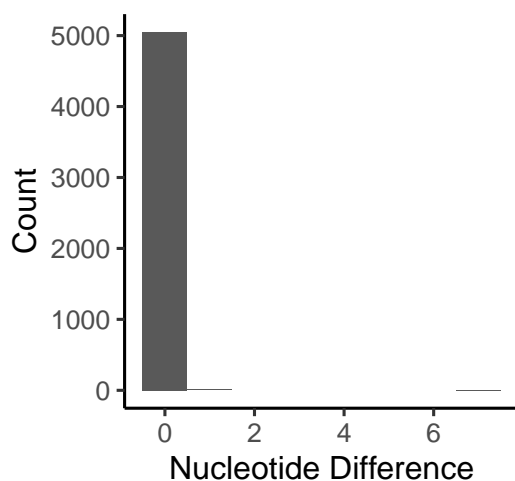
TRBV25–1*ap01

2779 sequences assigned
2769 (99.6%) exact matches, in which:
2759 unique CDR3
13 unique J



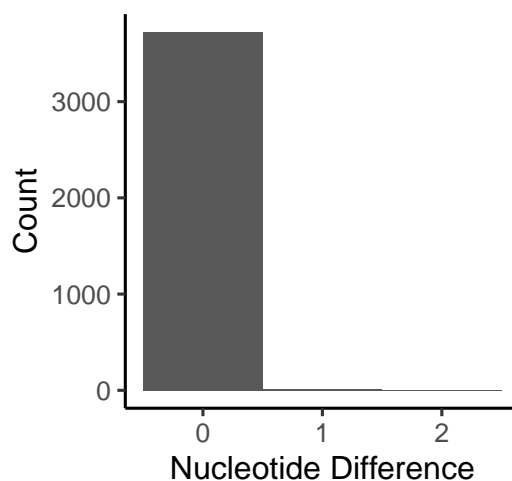
TRBV4–1*ap01

5063 sequences assigned
5050 (99.7%) exact matches, in which:
5049 unique CDR3
13 unique J



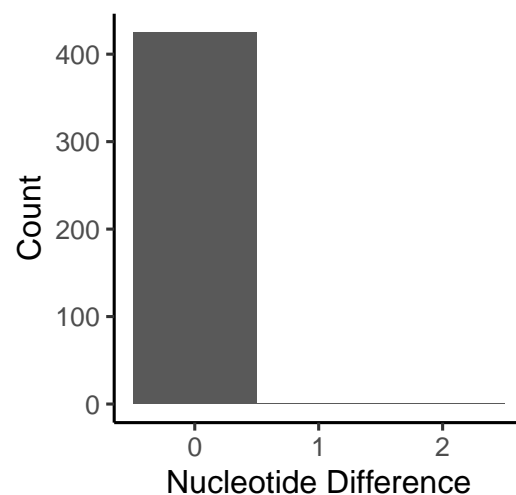
TRBV4–3*ap01

3735 sequences assigned
3723 (99.7%) exact matches, in which:
3721 unique CDR3
13 unique J



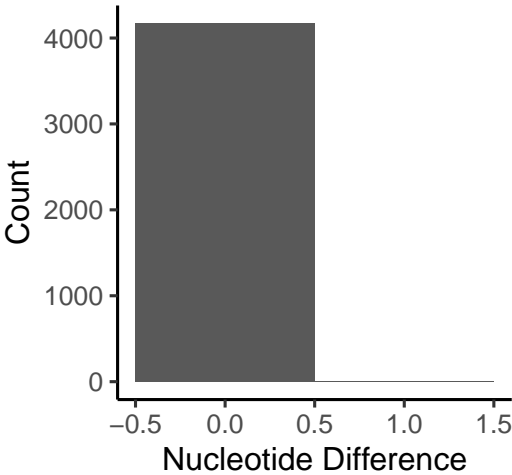
TRBV5–3*ap01

427 sequences assigned
425 (99.5%) exact matches, in which:
425 unique CDR3
13 unique J



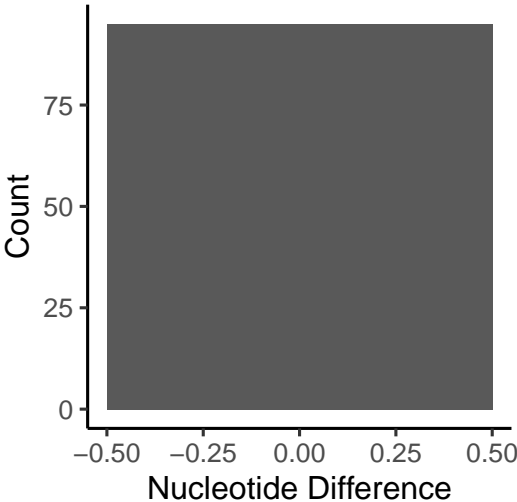
TRBV5-4*ap01

4178 sequences assigned
4170 (99.8%) exact matches, in which:
4168 unique CDR3
13 unique J



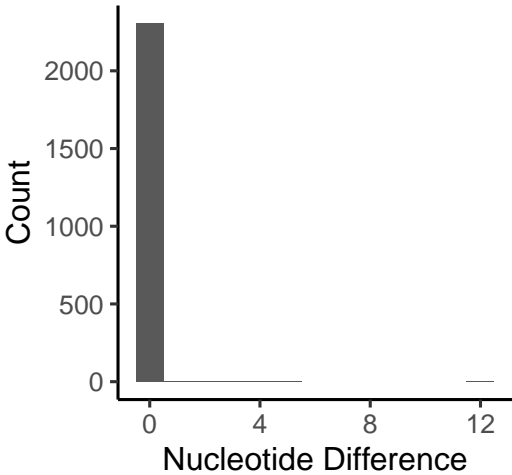
TRBV5-7*ap01

95 sequences assigned
95 (100%) exact matches, in which:
95 unique CDR3
13 unique J



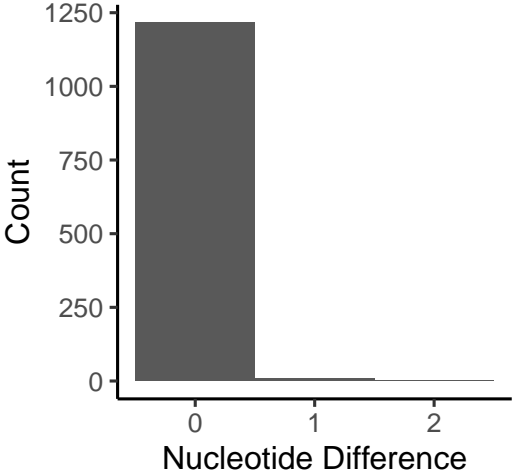
TRBV6-4*ap01

2315 sequences assigned
2305 (99.6%) exact matches, in which:
2305 unique CDR3
13 unique J



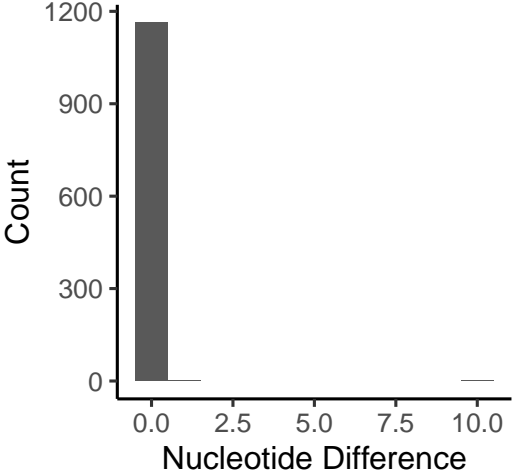
TRBV5-5*ap01

1224 sequences assigned
1216 (99.3%) exact matches, in which:
1213 unique CDR3
13 unique J



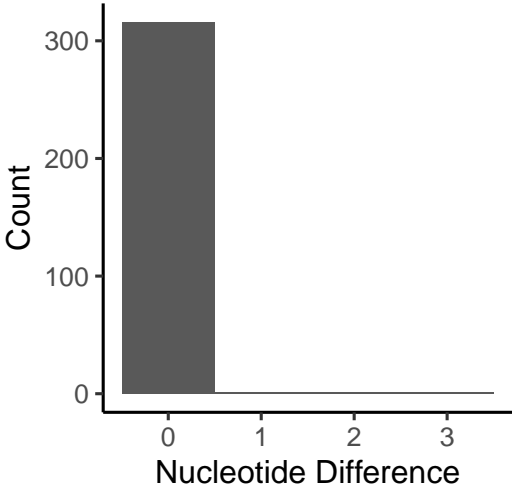
TRBV5-8*ap01

1167 sequences assigned
1163 (99.7%) exact matches, in which:
1163 unique CDR3
13 unique J



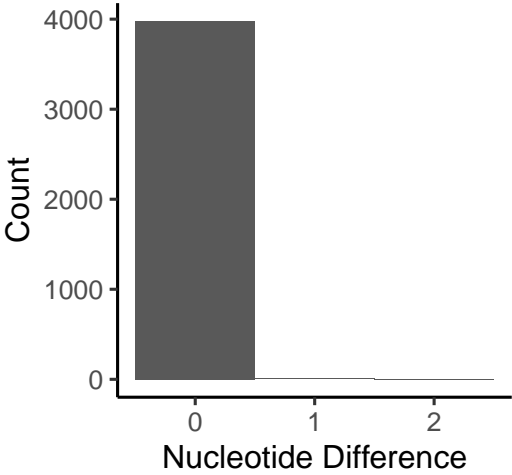
TRBV6-7*ap01

319 sequences assigned
316 (99.1%) exact matches, in which:
315 unique CDR3
13 unique J



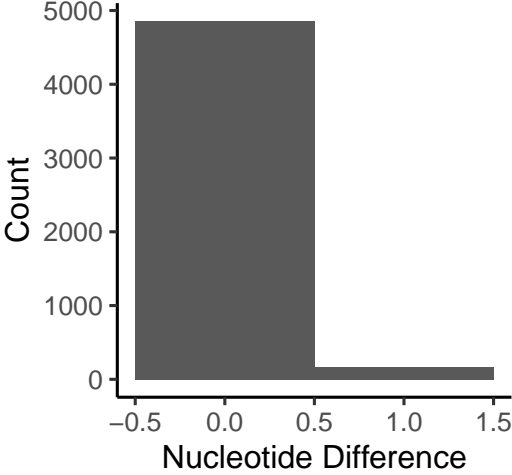
TRBV5-6*ap01

3989 sequences assigned
3979 (99.7%) exact matches, in which:
3964 unique CDR3
13 unique J



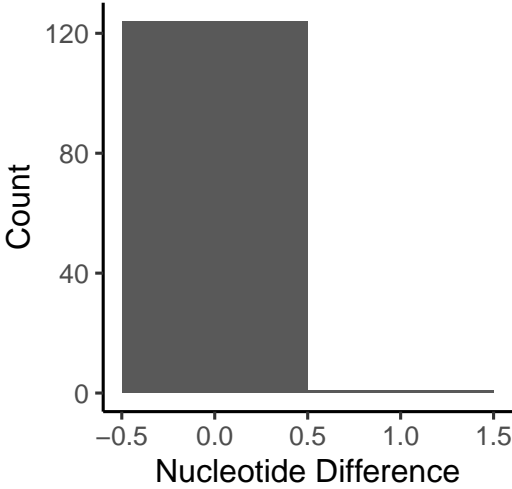
TRBV6-1*ap01

5025 sequences assigned
4857 (96.7%) exact matches, in which:
4851 unique CDR3
13 unique J



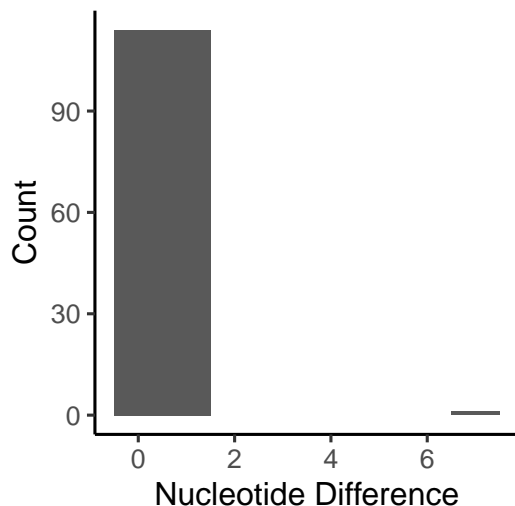
TRBV6-8*ap01

125 sequences assigned
124 (99.2%) exact matches, in which:
124 unique CDR3
12 unique J



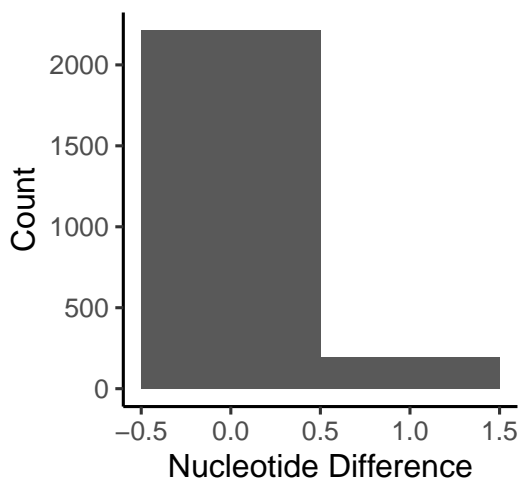
TRBV6–9*ap01

229 sequences assigned
114 (49.8%) exact matches, in which:
114 unique CDR3
13 unique J



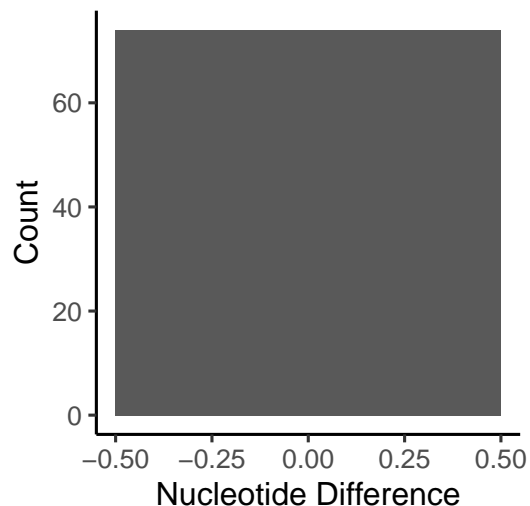
TRBV6–56*ap02

2408 sequences assigned
2213 (91.9%) exact matches, in which:
2211 unique CDR3
13 unique J



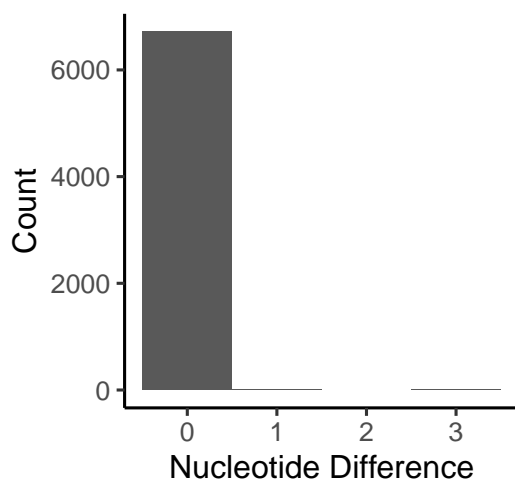
TRBV7–1*ap01_G291C_T

74 sequences assigned
74 (100%) exact matches, in which:
74 unique CDR3
10 unique J



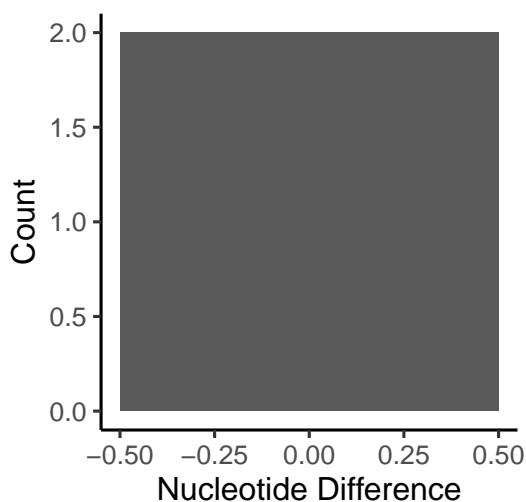
TRBV6–23*ap01

6733 sequences assigned
6716 (99.7%) exact matches, in which:
6706 unique CDR3
13 unique J



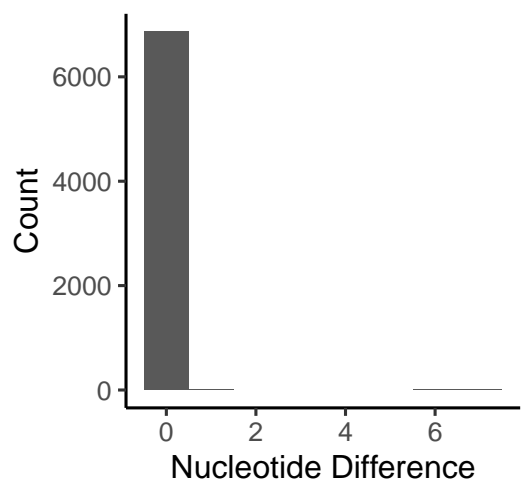
TRBV7–1*ap01

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



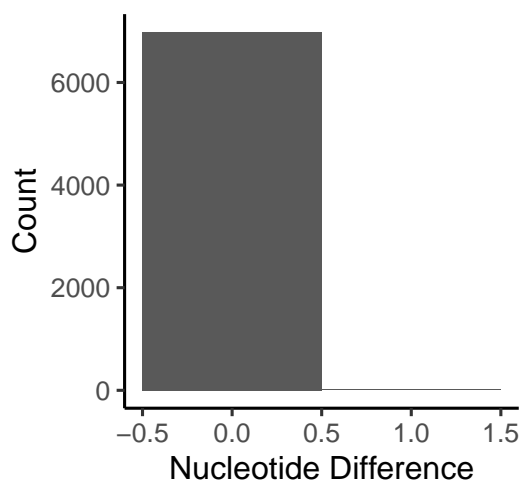
TRBV7–2*ap01

6876 sequences assigned
6864 (99.8%) exact matches, in which:
6863 unique CDR3
13 unique J



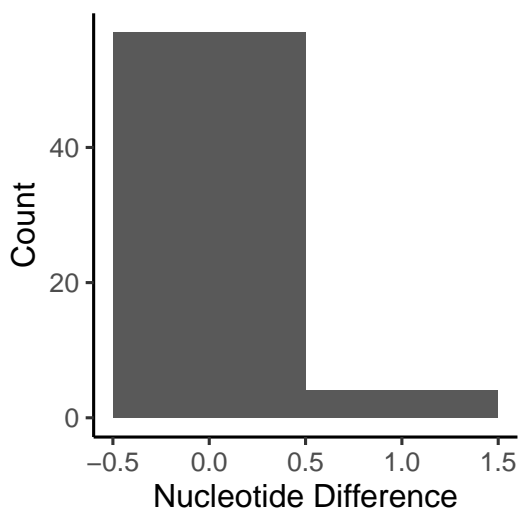
TRBV6–56*ap01

6999 sequences assigned
6983 (99.8%) exact matches, in which:
6972 unique CDR3
13 unique J



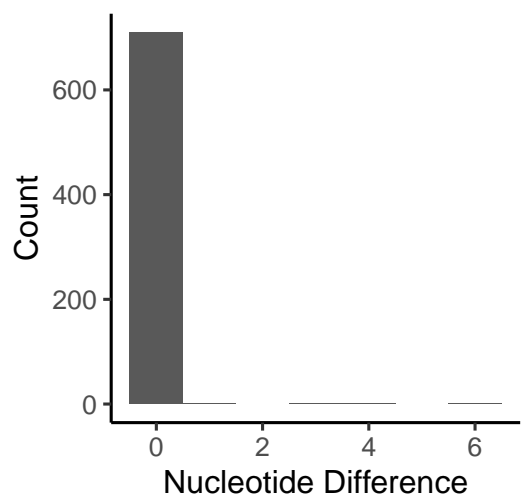
TRBV7–1*ap01_G291C_T

61 sequences assigned
57 (93.4%) exact matches, in which:
57 unique CDR3
13 unique J



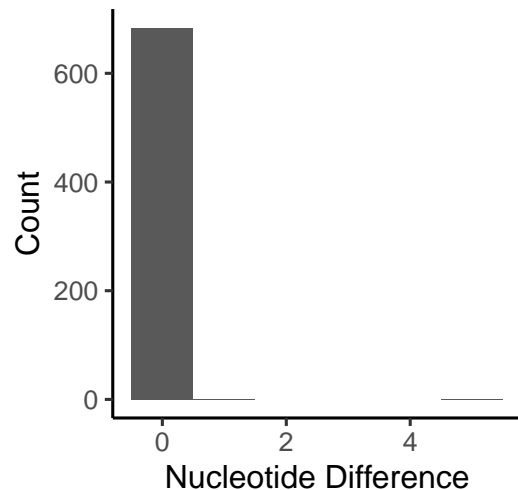
TRBV7–3*ap02

714 sequences assigned
710 (99.4%) exact matches, in which:
708 unique CDR3
13 unique J



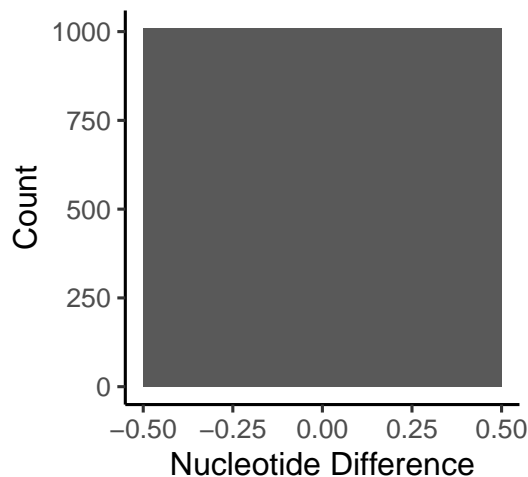
TRBV7-3*ap03

686 sequences assigned
684 (99.7%) exact matches, in which:
683 unique CDR3
13 unique J



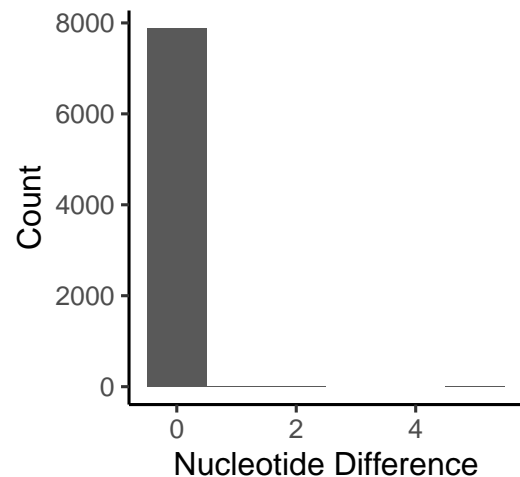
TRBV7-7*ap01

1009 sequences assigned
1009 (100%) exact matches, in which:
1009 unique CDR3
13 unique J



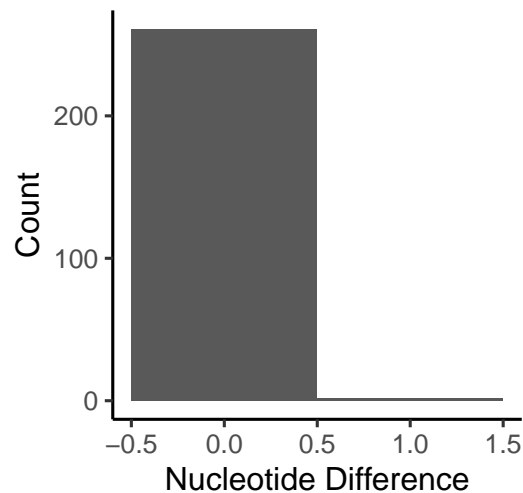
TRBV7-9*ap01

7892 sequences assigned
7879 (99.8%) exact matches, in which:
7878 unique CDR3
13 unique J



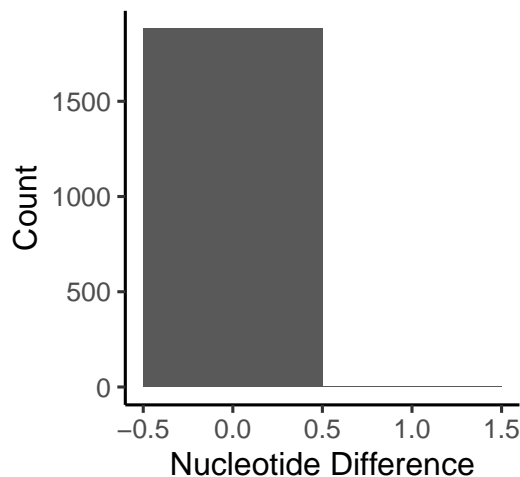
TRBV7-4*ap01

263 sequences assigned
261 (99.2%) exact matches, in which:
261 unique CDR3
13 unique J



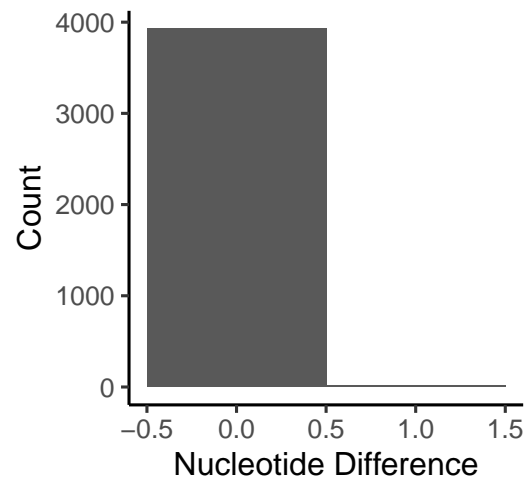
TRBV7-8*ap01

1884 sequences assigned
1881 (99.8%) exact matches, in which:
1880 unique CDR3
13 unique J



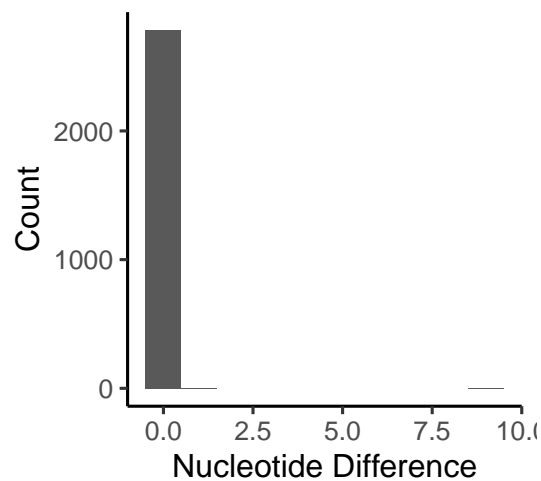
TRBV29-1*ap01

3943 sequences assigned
3928 (99.6%) exact matches, in which:
3922 unique CDR3
13 unique J



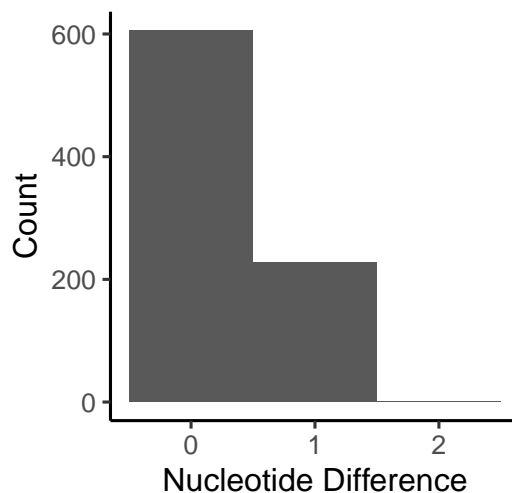
TRBV7-6*ap01

2787 sequences assigned
2784 (99.9%) exact matches, in which:
2782 unique CDR3
13 unique J



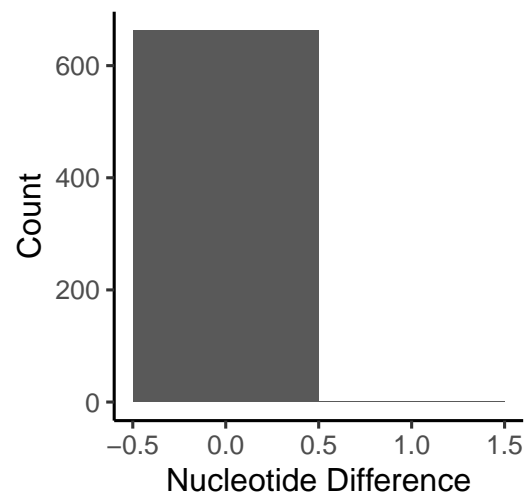
TRBV7-8*ap03

835 sequences assigned
606 (72.6%) exact matches, in which:
606 unique CDR3
13 unique J

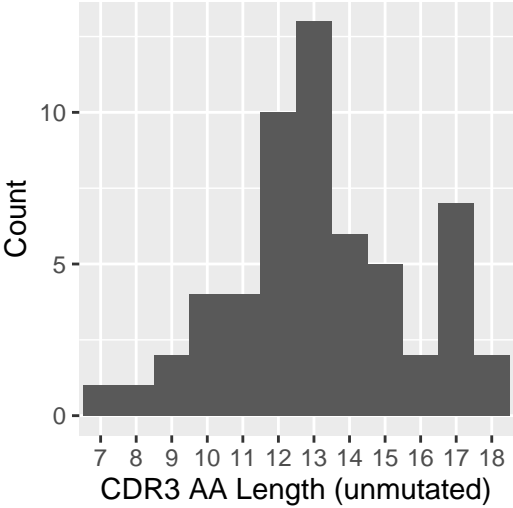


TRBV29-1*ap02

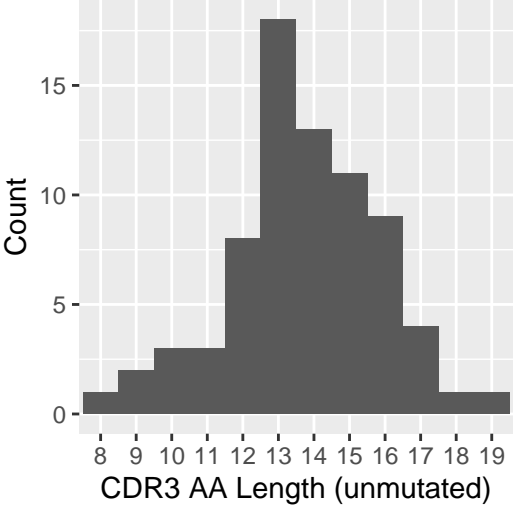
664 sequences assigned
663 (99.8%) exact matches, in which:
661 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]