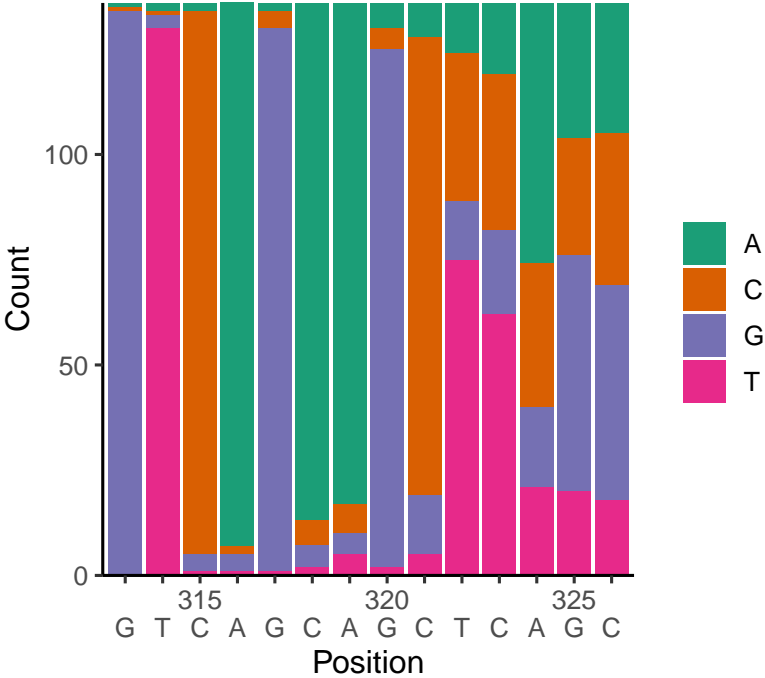
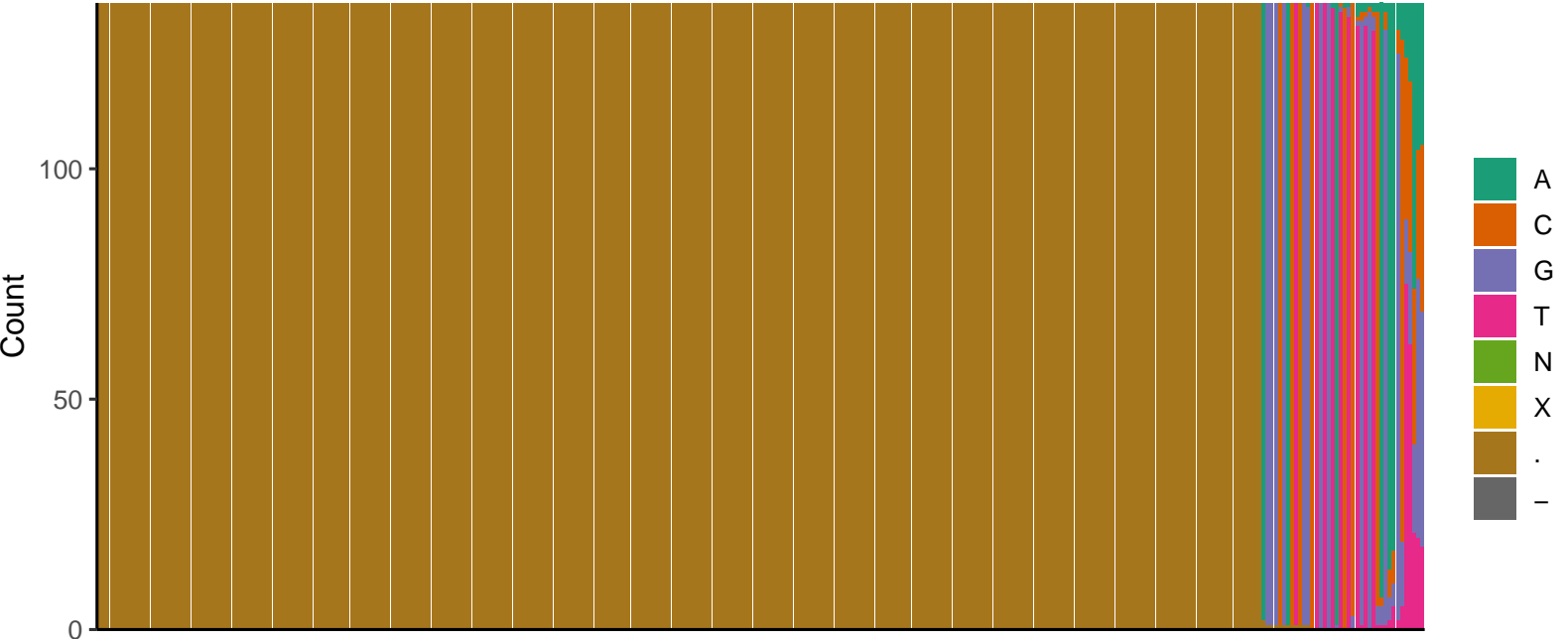


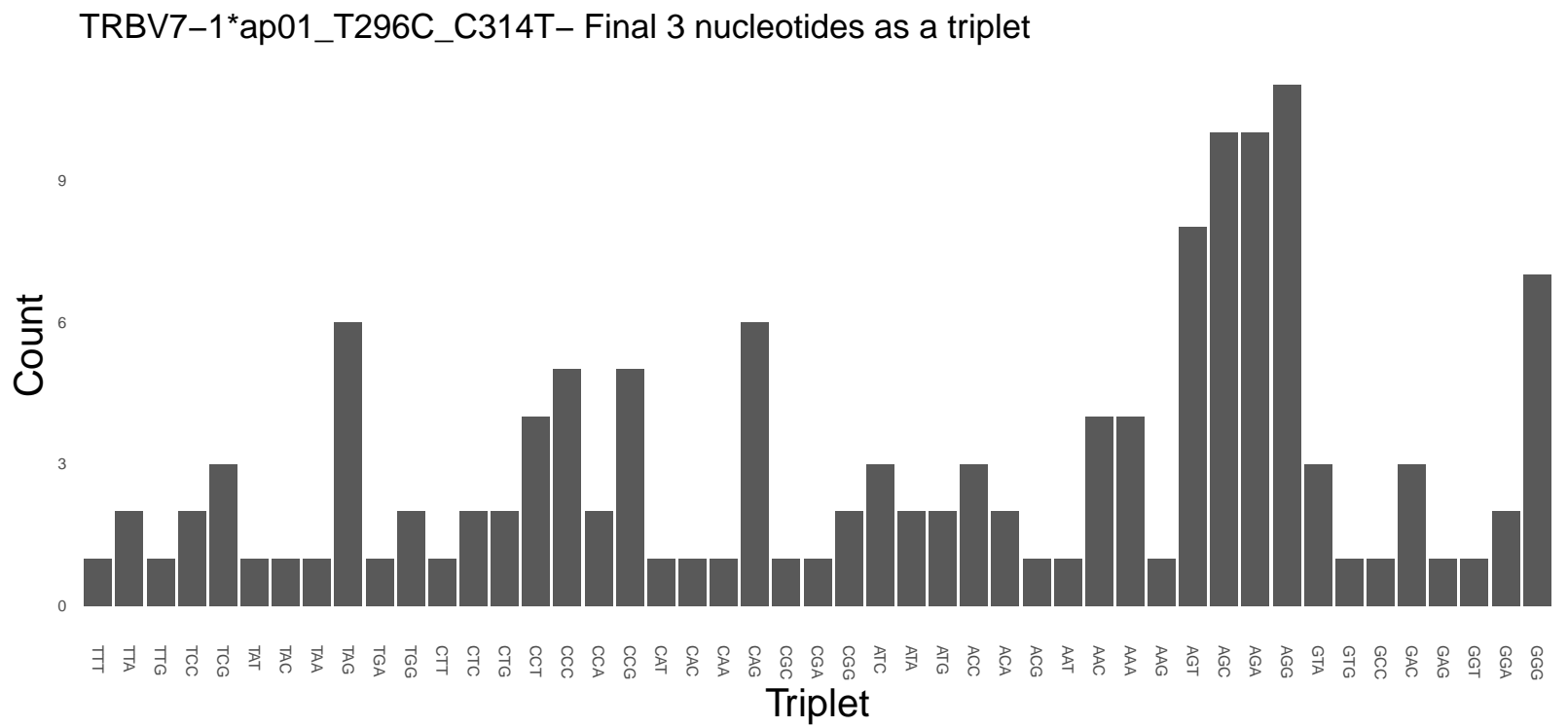
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C_C314T

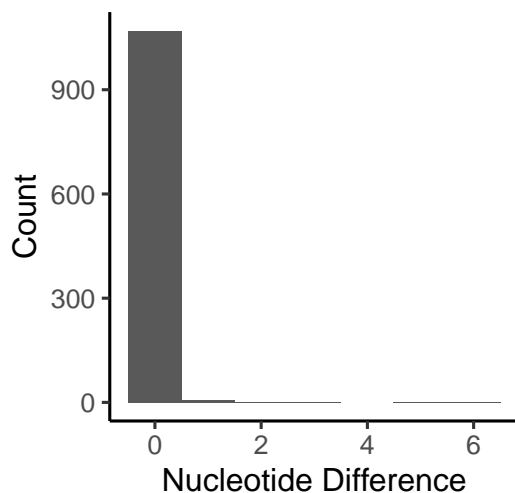


TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



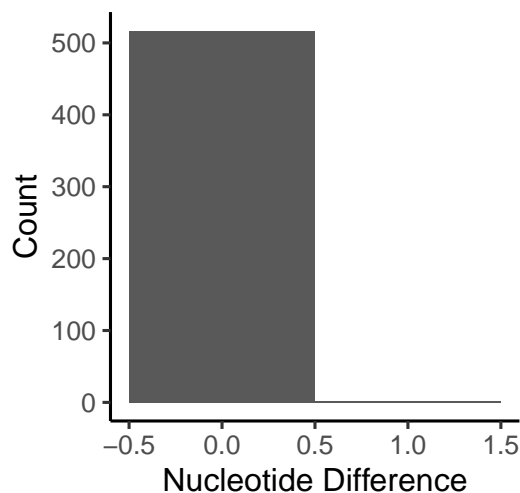
TRBV10–1*ap01

1082 sequences assigned
1070 (98.9%) exact matches, in which:
1064 unique CDR3
13 unique J



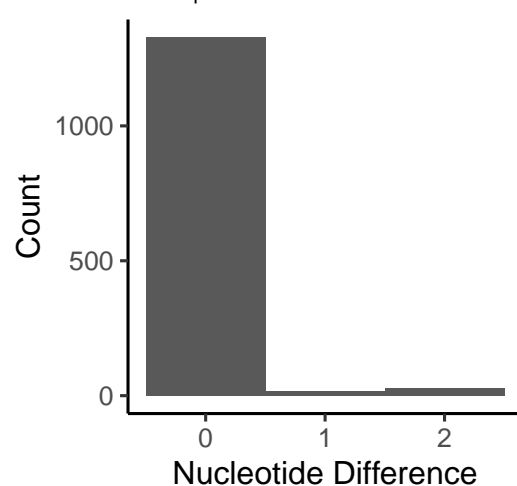
TRBV10–2*ap01

519 sequences assigned
517 (99.6%) exact matches, in which:
514 unique CDR3
13 unique J



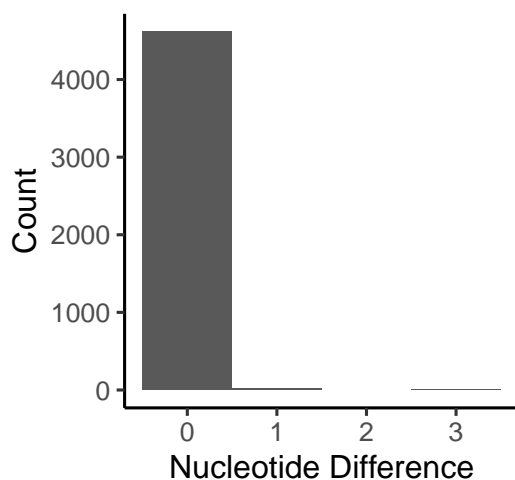
TRBV13*ap01

1373 sequences assigned
1328 (96.7%) exact matches, in which:
1322 unique CDR3
13 unique J



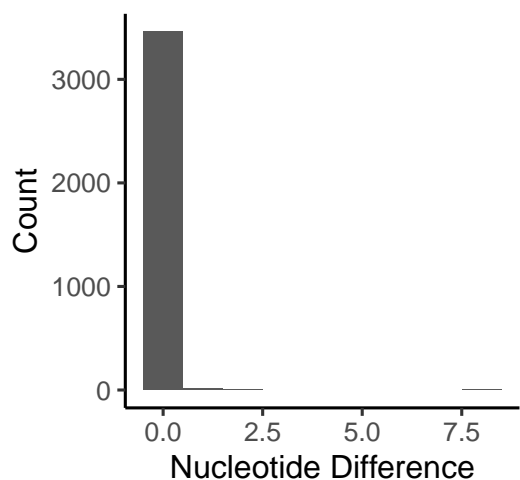
TRBV20–1*ap01

4637 sequences assigned
4616 (99.5%) exact matches, in which:
4607 unique CDR3
13 unique J



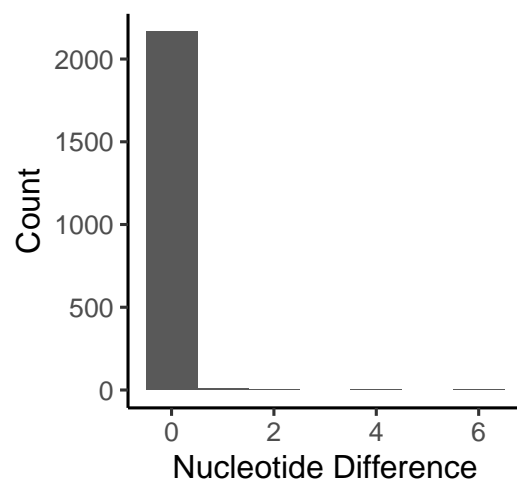
TRBV10–3*ap01

3476 sequences assigned
3460 (99.5%) exact matches, in which:
3446 unique CDR3
13 unique J



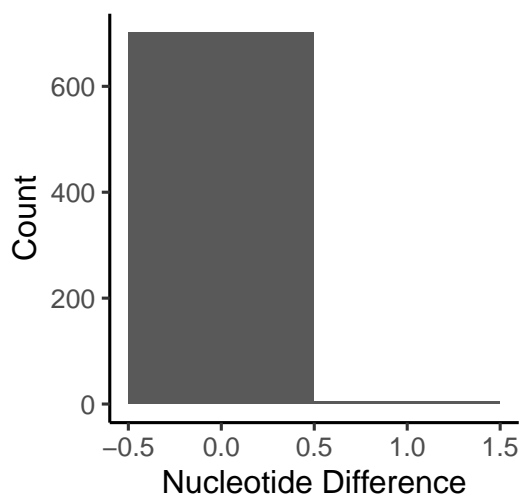
TRBV14*ap01

2176 sequences assigned
2165 (99.5%) exact matches, in which:
2159 unique CDR3
13 unique J



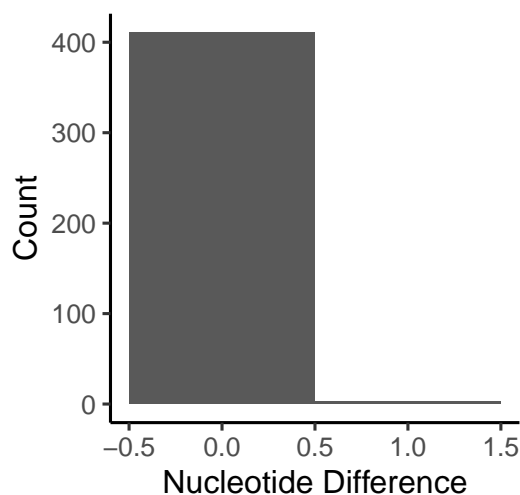
TRBV20–1*ap02

706 sequences assigned
702 (99.4%) exact matches, in which:
697 unique CDR3
13 unique J



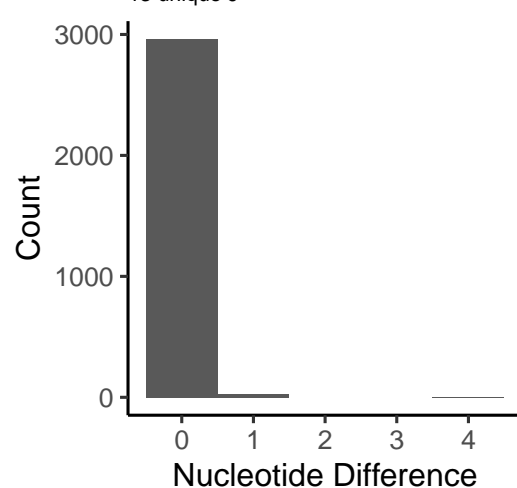
TRBV1*ap01

414 sequences assigned
411 (99.3%) exact matches, in which:
407 unique CDR3
13 unique J



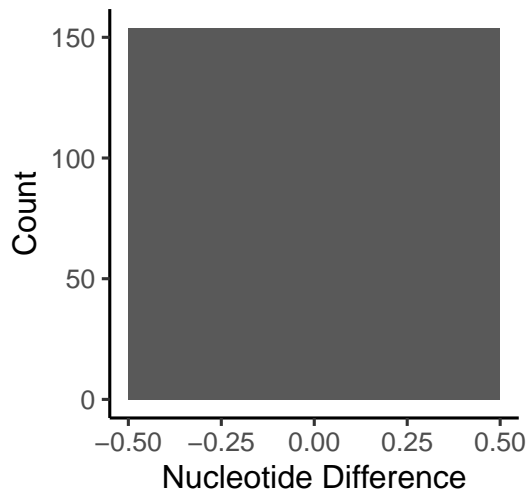
TRBV15*ap02

2988 sequences assigned
2962 (99.1%) exact matches, in which:
2954 unique CDR3
13 unique J



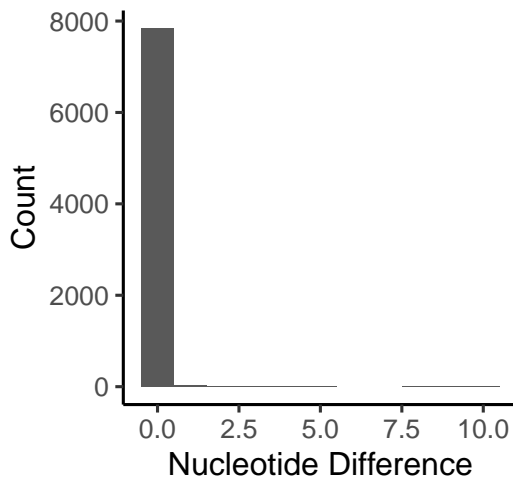
TRBV16*ap01

154 sequences assigned
154 (100%) exact matches, in which:
154 unique CDR3
13 unique J



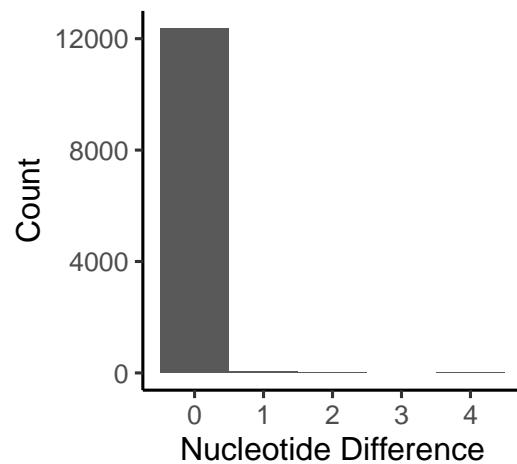
TRBV19*ap01

7884 sequences assigned
7839 (99.4%) exact matches, in which:
7829 unique CDR3
13 unique J



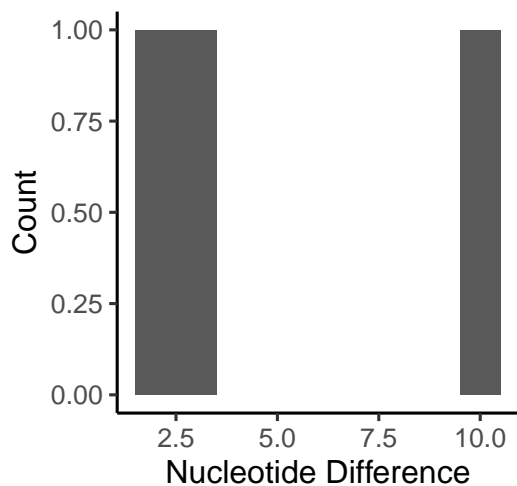
TRBV28*ap01

12432 sequences assigned
12377 (99.6%) exact matches, in which:
12351 unique CDR3
13 unique J



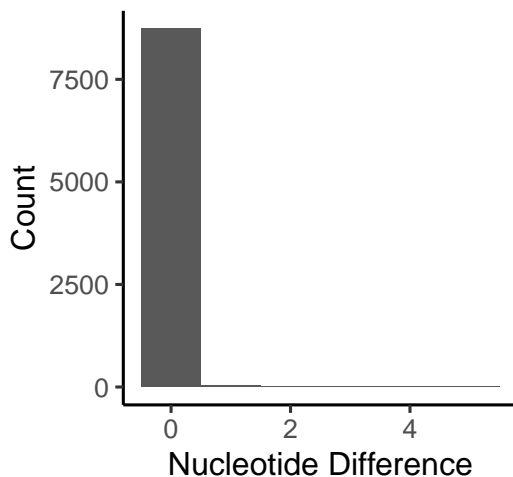
TRBV17*ap01

3 sequences assigned
No exact matches.



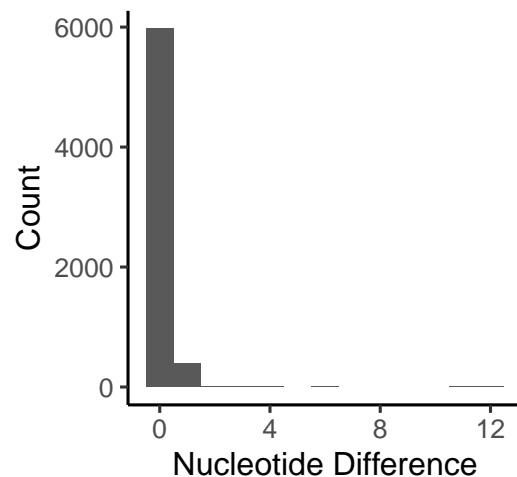
TRBV2*ap01

8780 sequences assigned
8734 (99.5%) exact matches, in which:
8709 unique CDR3
13 unique J



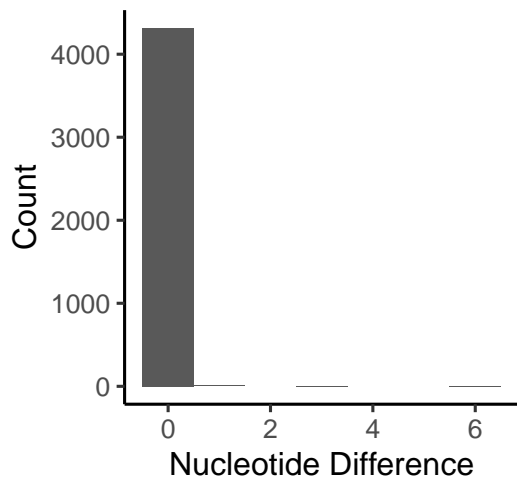
TRBV30*ap01

6382 sequences assigned
5973 (93.6%) exact matches, in which:
5902 unique CDR3
13 unique J



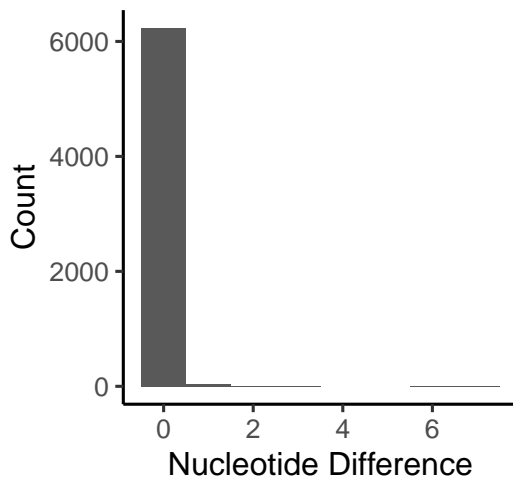
TRBV18*ap01

4329 sequences assigned
4315 (99.7%) exact matches, in which:
4311 unique CDR3
13 unique J



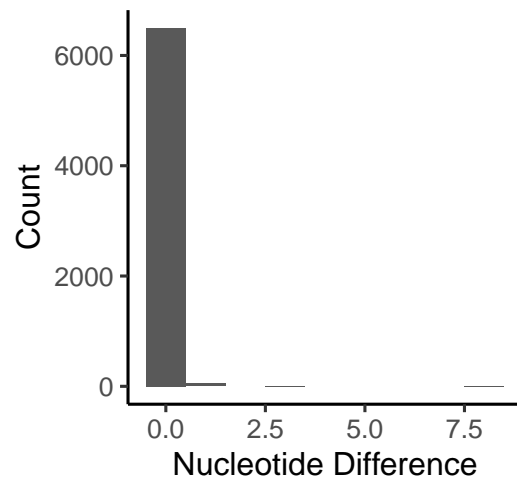
TRBV27*ap01

6275 sequences assigned
6233 (99.3%) exact matches, in which:
6209 unique CDR3
13 unique J



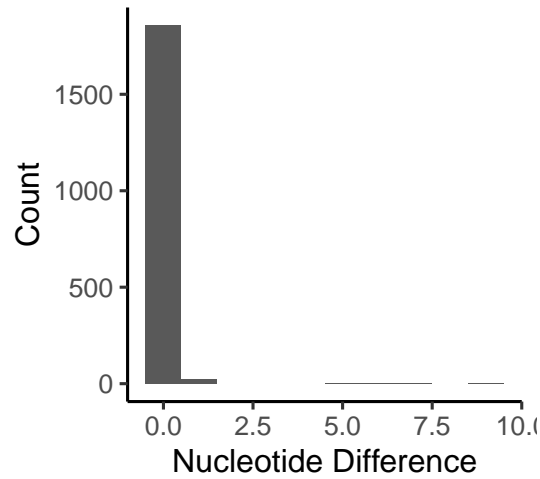
TRBV9*ap01

6548 sequences assigned
6497 (99.2%) exact matches, in which:
6471 unique CDR3
13 unique J



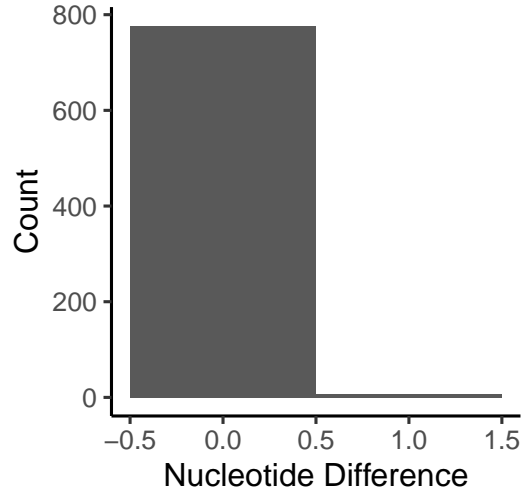
TRBV21-1*ap01

1887 sequences assigned
1857 (98.4%) exact matches, in which:
1854 unique CDR3
13 unique J



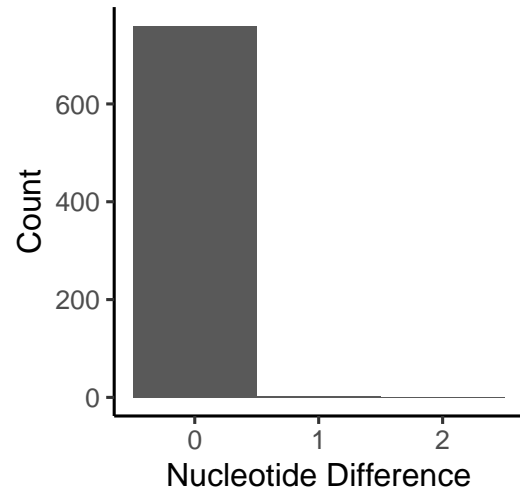
TRBV11-3*ap01

784 sequences assigned
777 (99.1%) exact matches, in which:
776 unique CDR3
13 unique J



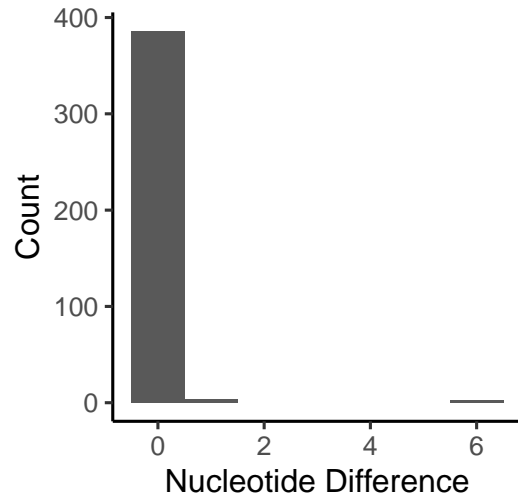
TRBV12-5*ap01

764 sequences assigned
760 (99.5%) exact matches, in which:
757 unique CDR3
13 unique J



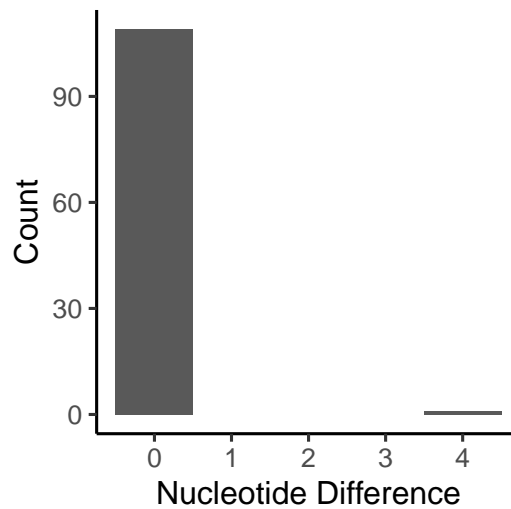
TRBV11-1*ap01

393 sequences assigned
386 (98.2%) exact matches, in which:
385 unique CDR3
13 unique J



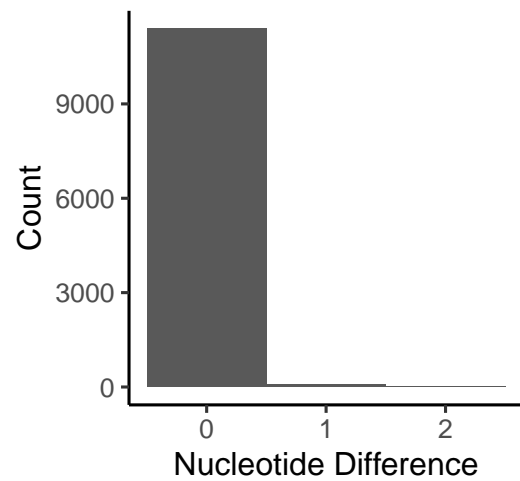
TRBV12-1*ap01

110 sequences assigned
109 (99.1%) exact matches, in which:
109 unique CDR3
13 unique J



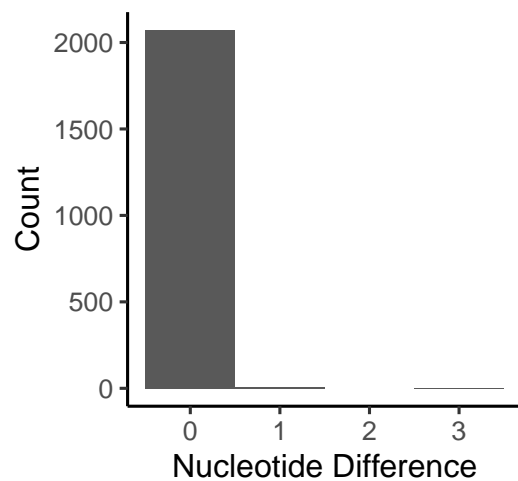
TRBV12-34*ap01

11459 sequences assigned
11390 (99.4%) exact matches, in which:
11359 unique CDR3
13 unique J



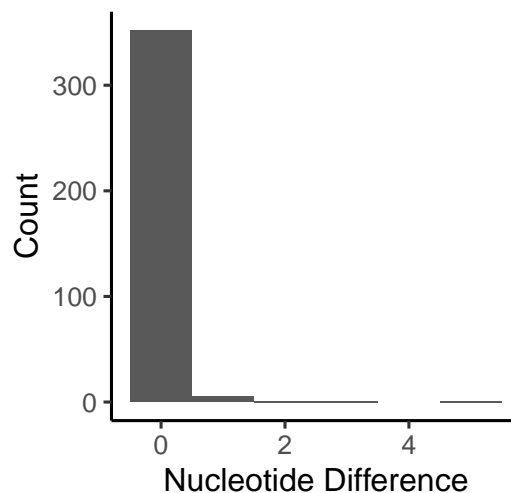
TRBV11-2*ap01

2081 sequences assigned
2072 (99.6%) exact matches, in which:
2071 unique CDR3
13 unique J



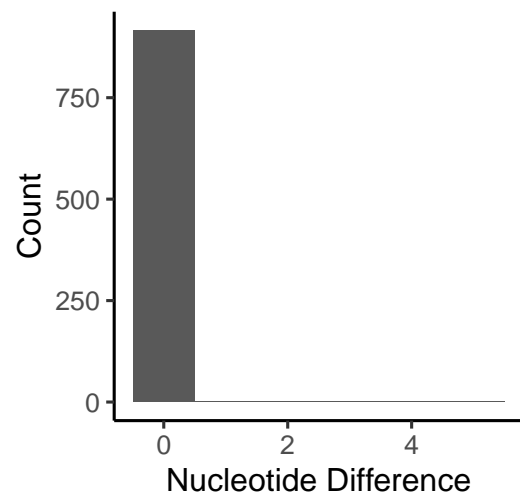
TRBV12-2*ap01

360 sequences assigned
352 (97.8%) exact matches, in which:
351 unique CDR3
13 unique J



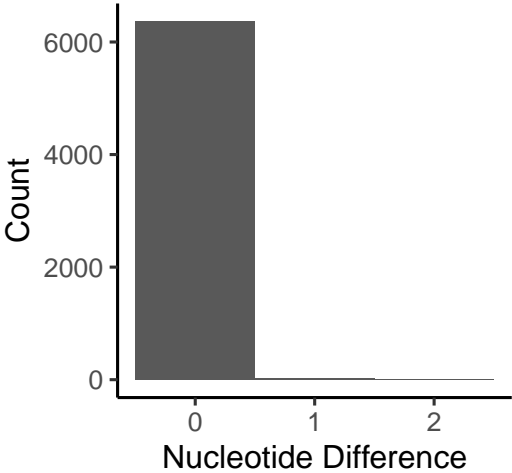
TRBV23-1*ap01

923 sequences assigned
916 (99.2%) exact matches, in which:
914 unique CDR3
13 unique J



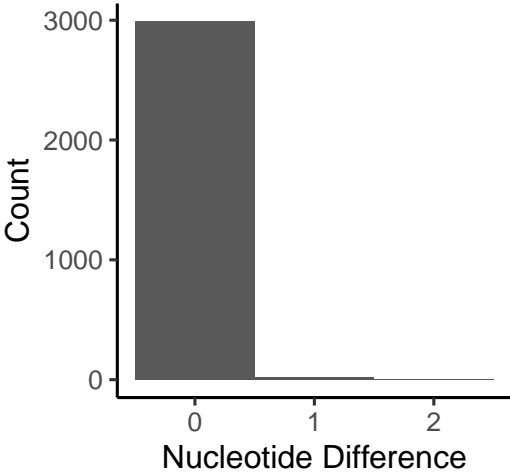
TRBV3-12*ap01

6387 sequences assigned
6366 (99.7%) exact matches, in which:
6353 unique CDR3
13 unique J



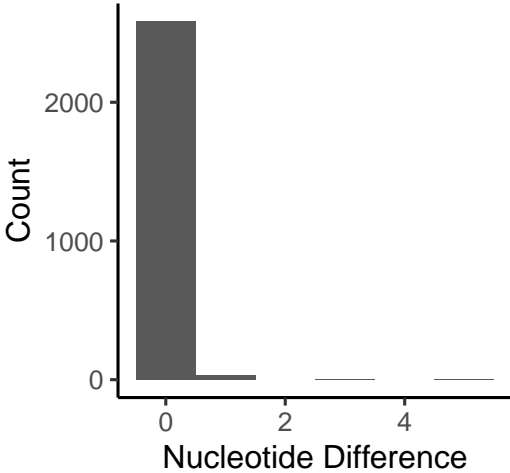
TRBV4-2*ap01

3013 sequences assigned
2990 (99.2%) exact matches, in which:
2973 unique CDR3
13 unique J



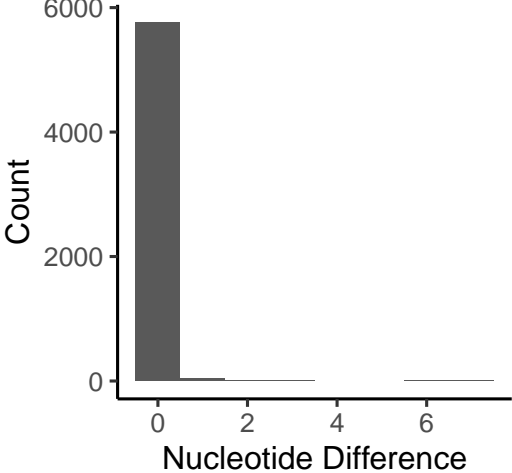
TRBV25-1*ap01

2617 sequences assigned
2583 (98.7%) exact matches, in which:
2568 unique CDR3
13 unique J



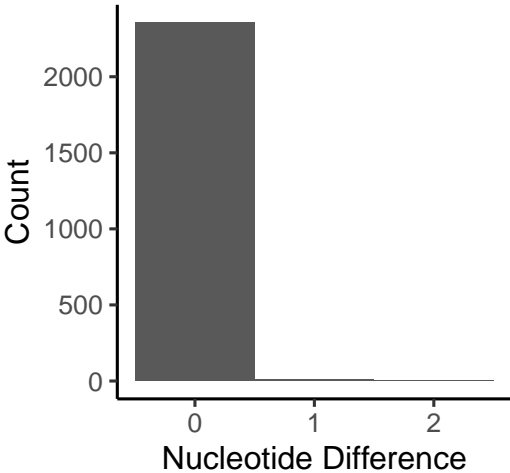
TRBV24-1*ap01

5798 sequences assigned
5757 (99.3%) exact matches, in which:
5730 unique CDR3
13 unique J



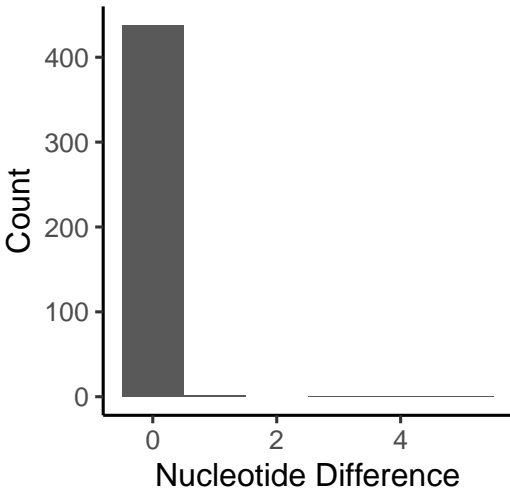
TRBV4-3*ap01

2369 sequences assigned
2355 (99.4%) exact matches, in which:
2347 unique CDR3
13 unique J



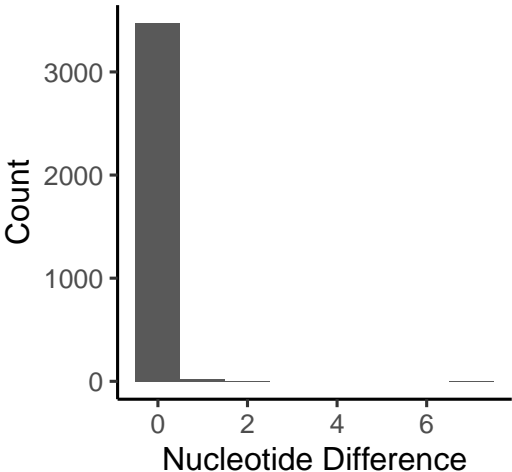
TRBV5-3*ap01

443 sequences assigned
438 (98.9%) exact matches, in which:
437 unique CDR3
13 unique J



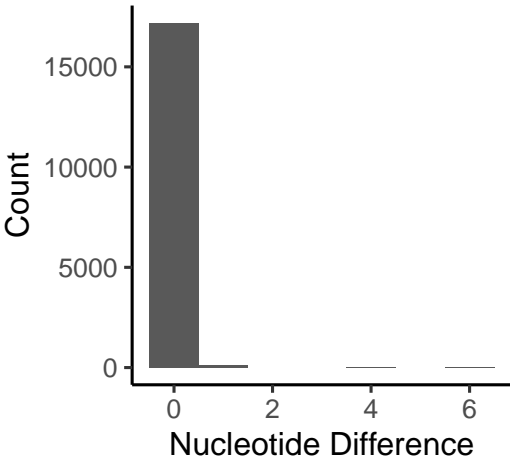
TRBV4-1*ap01

3501 sequences assigned
3474 (99.2%) exact matches, in which:
3456 unique CDR3
13 unique J



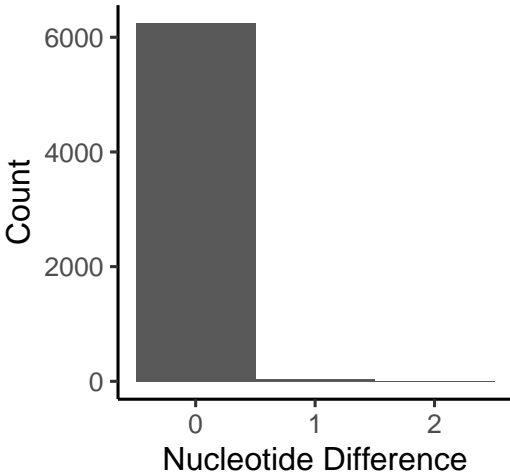
TRBV5-1*ap01

17313 sequences assigned
17197 (99.3%) exact matches, in which:
17126 unique CDR3
13 unique J



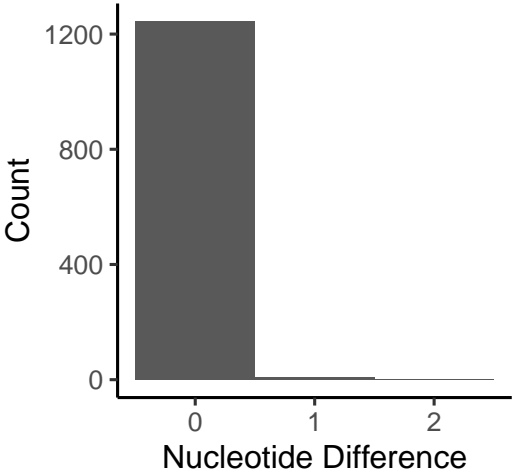
TRBV5-4*ap01

6286 sequences assigned
6248 (99.4%) exact matches, in which:
6233 unique CDR3
13 unique J



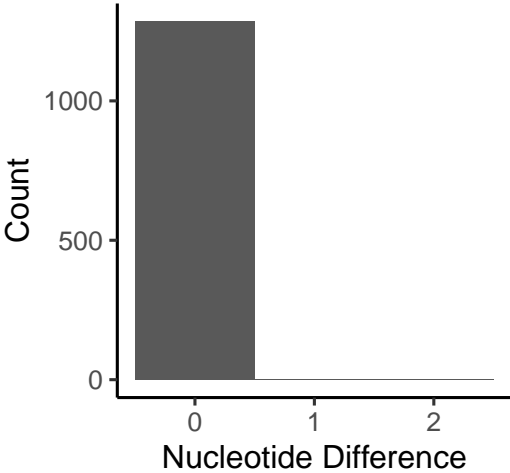
TRBV5-5*ap01

1252 sequences assigned
1244 (99.4%) exact matches, in which:
1243 unique CDR3
13 unique J



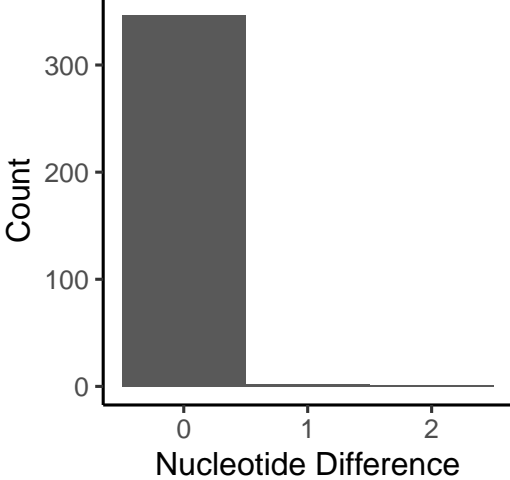
TRBV5-8*ap01

1288 sequences assigned
1285 (99.8%) exact matches, in which:
1279 unique CDR3
13 unique J



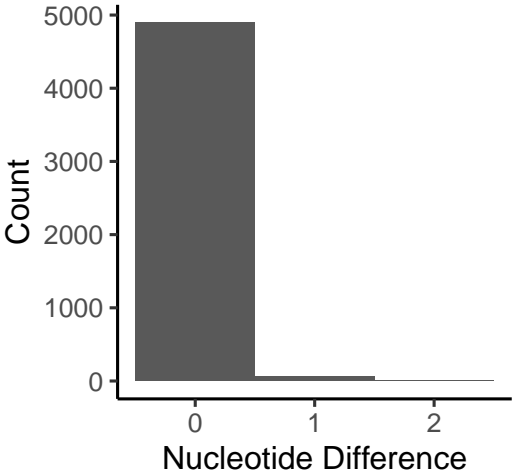
TRBV6-7*ap01

350 sequences assigned
347 (99.1%) exact matches, in which:
345 unique CDR3
13 unique J



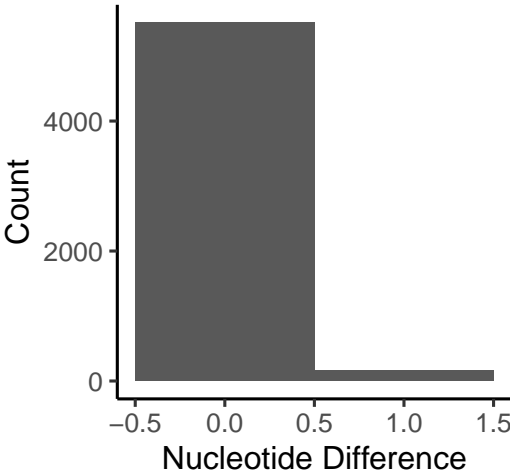
TRBV5-6*ap01

4958 sequences assigned
4895 (98.7%) exact matches, in which:
4867 unique CDR3
13 unique J



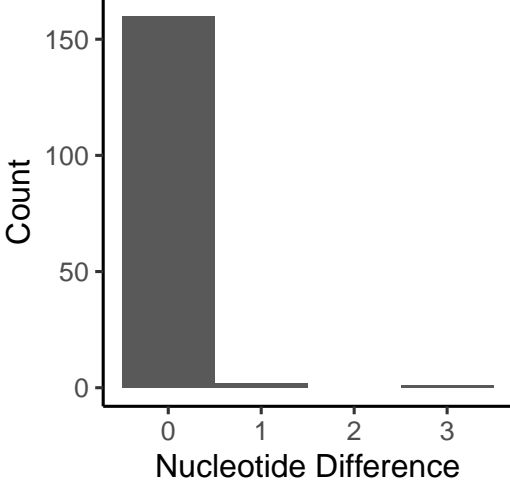
TRBV6-1*ap01

5677 sequences assigned
5513 (97.1%) exact matches, in which:
5481 unique CDR3
14 unique J



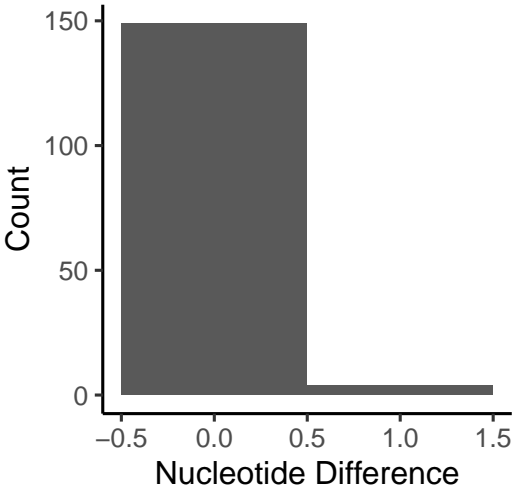
TRBV6-8*ap01

163 sequences assigned
160 (98.2%) exact matches, in which:
159 unique CDR3
13 unique J



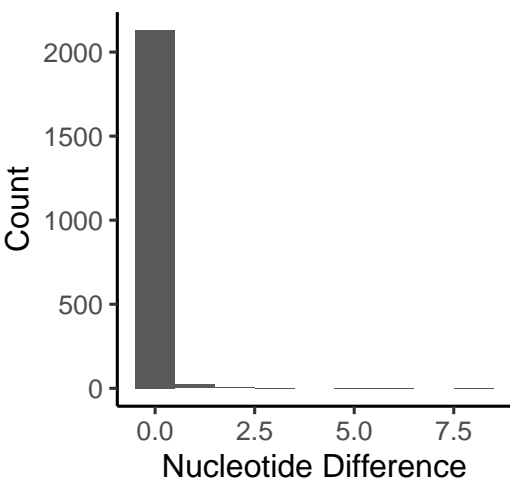
TRBV5-7*ap01

153 sequences assigned
149 (97.4%) exact matches, in which:
146 unique CDR3
13 unique J



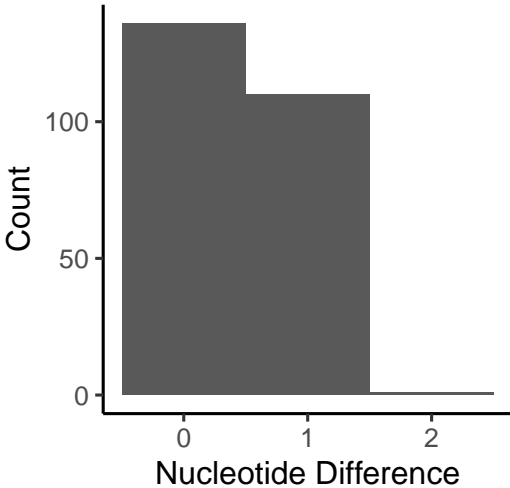
TRBV6-4*ap01

2161 sequences assigned
2131 (98.6%) exact matches, in which:
2130 unique CDR3
13 unique J



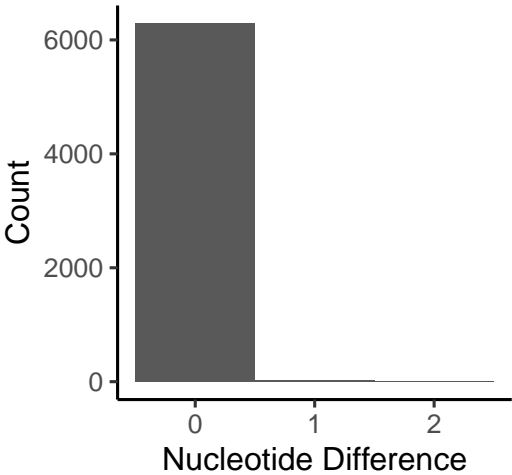
TRBV6-9*ap01

247 sequences assigned
136 (55.1%) exact matches, in which:
133 unique CDR3
13 unique J



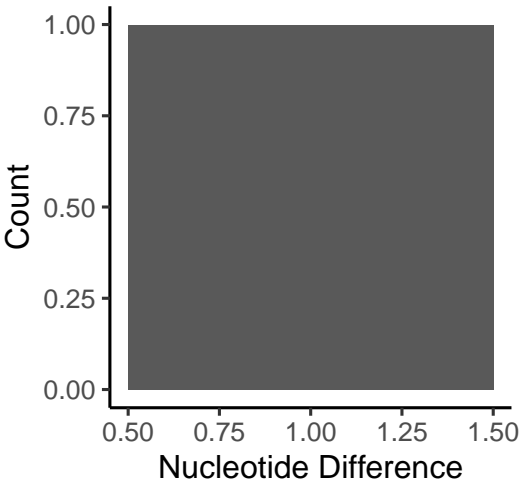
TRBV6-23*ap01

6322 sequences assigned
6290 (99.5%) exact matches, in which:
6247 unique CDR3
13 unique J



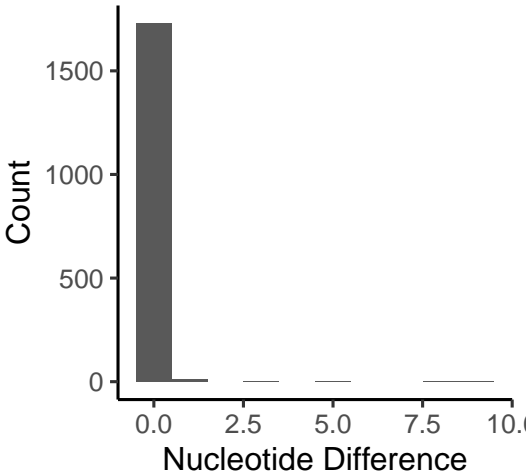
TRBV7-1*ap01

1 sequences assigned
No exact matches.



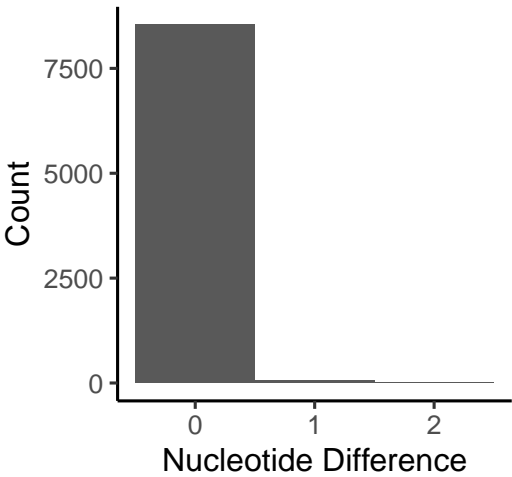
TRBV7-3*ap01

1746 sequences assigned
1729 (99%) exact matches, in which:
1728 unique CDR3
13 unique J



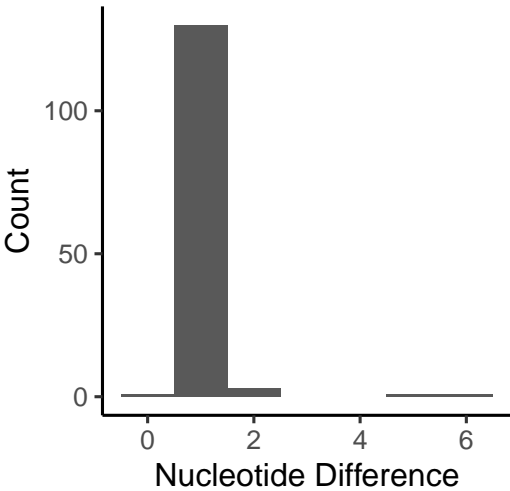
TRBV6-56*ap01

8596 sequences assigned
8541 (99.4%) exact matches, in which:
8479 unique CDR3
13 unique J



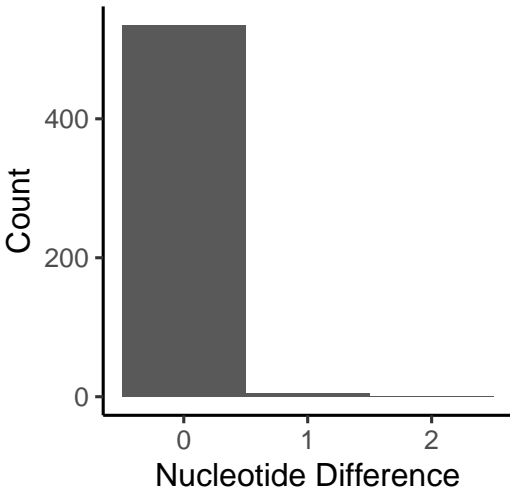
TRBV7-1*ap01_T296C_()

136 sequences assigned
1 (0.7%) exact matches, in which:
1 unique CDR3
1 unique J



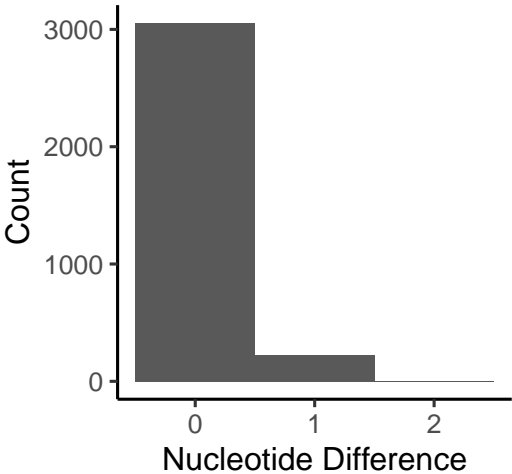
TRBV7-3*ap03

541 sequences assigned
535 (98.9%) exact matches, in which:
534 unique CDR3
13 unique J



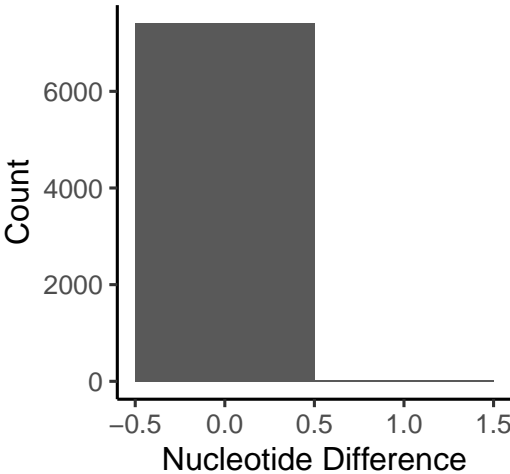
TRBV6-56*ap02

3278 sequences assigned
3054 (93.2%) exact matches, in which:
3035 unique CDR3
13 unique J



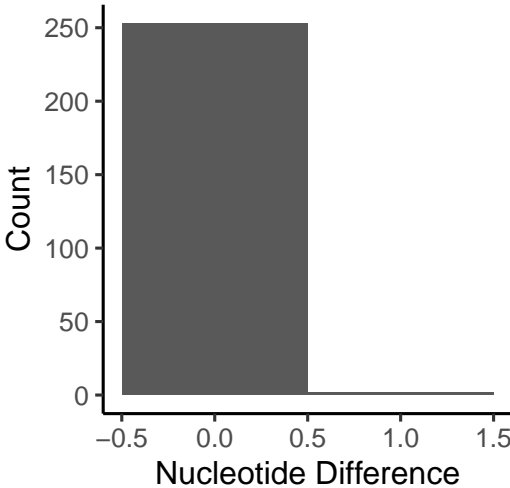
TRBV7-2*ap01

7440 sequences assigned
7413 (99.6%) exact matches, in which:
7396 unique CDR3
13 unique J



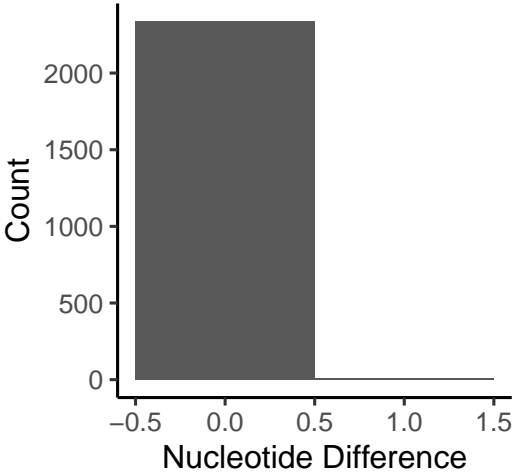
TRBV7-4*ap01

255 sequences assigned
253 (99.2%) exact matches, in which:
253 unique CDR3
13 unique J



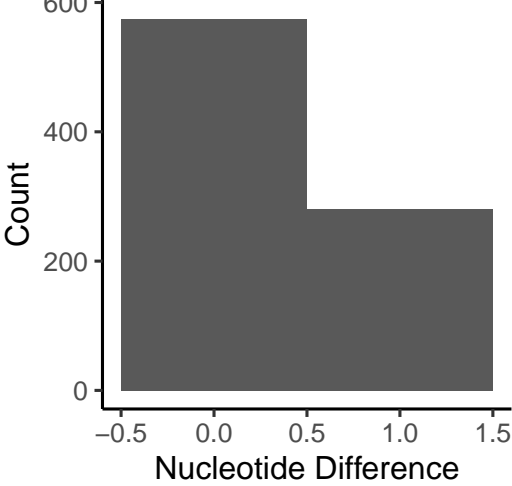
TRBV7-6*ap01

2350 sequences assigned
2337 (99.4%) exact matches, in which:
2330 unique CDR3
13 unique J



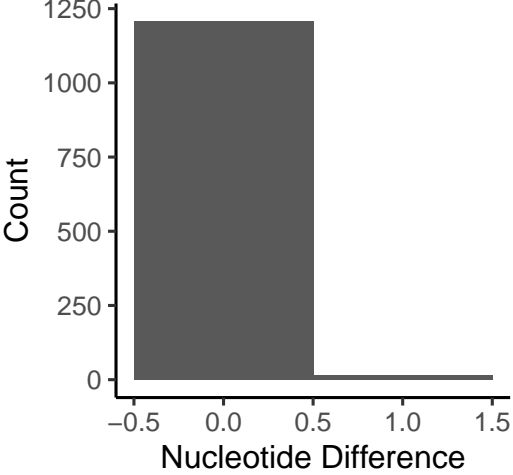
TRBV7-8*ap03

856 sequences assigned
575 (67.2%) exact matches, in which:
575 unique CDR3
13 unique J



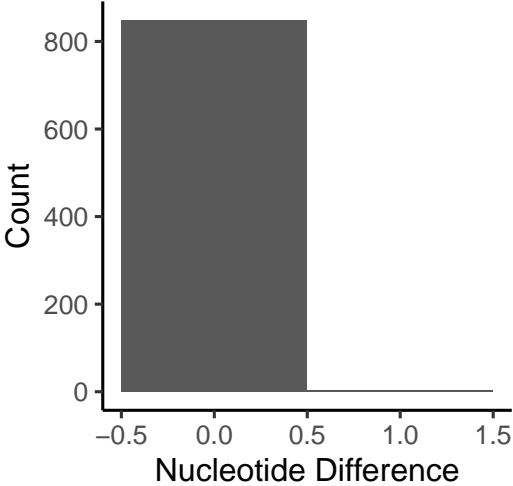
TRBV29-1*ap02

1222 sequences assigned
1207 (98.8%) exact matches, in which:
1196 unique CDR3
13 unique J



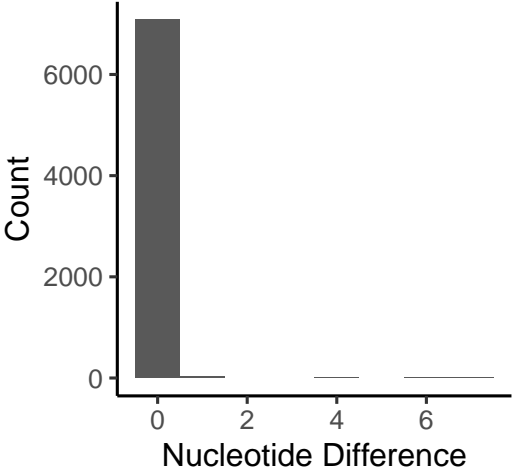
TRBV7-7*ap01

852 sequences assigned
849 (99.6%) exact matches, in which:
848 unique CDR3
13 unique J



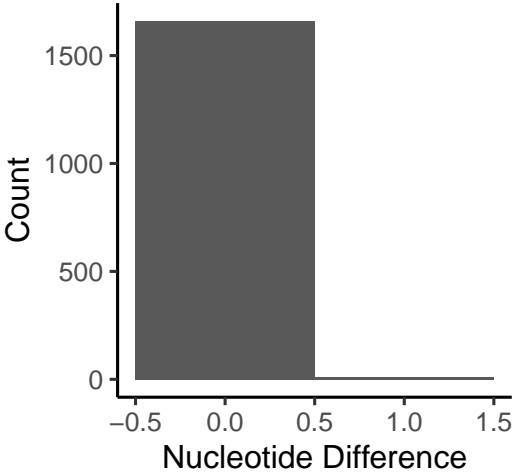
TRBV7-9*ap01

7121 sequences assigned
7082 (99.5%) exact matches, in which:
7064 unique CDR3
13 unique J



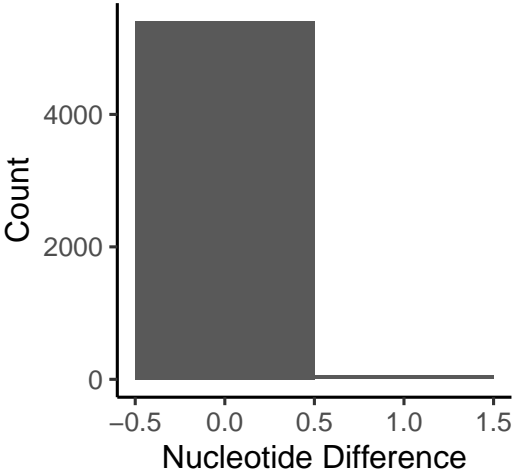
TRBV7-8*ap01

1671 sequences assigned
1660 (99.3%) exact matches, in which:
1650 unique CDR3
13 unique J

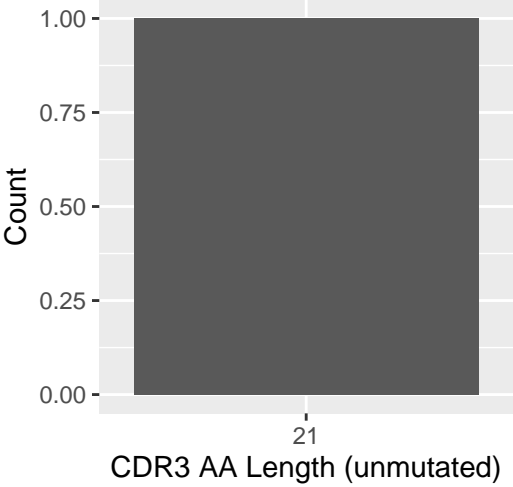


TRBV29-1*ap01

5469 sequences assigned
5410 (98.9%) exact matches, in which:
5353 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T





[illegible]