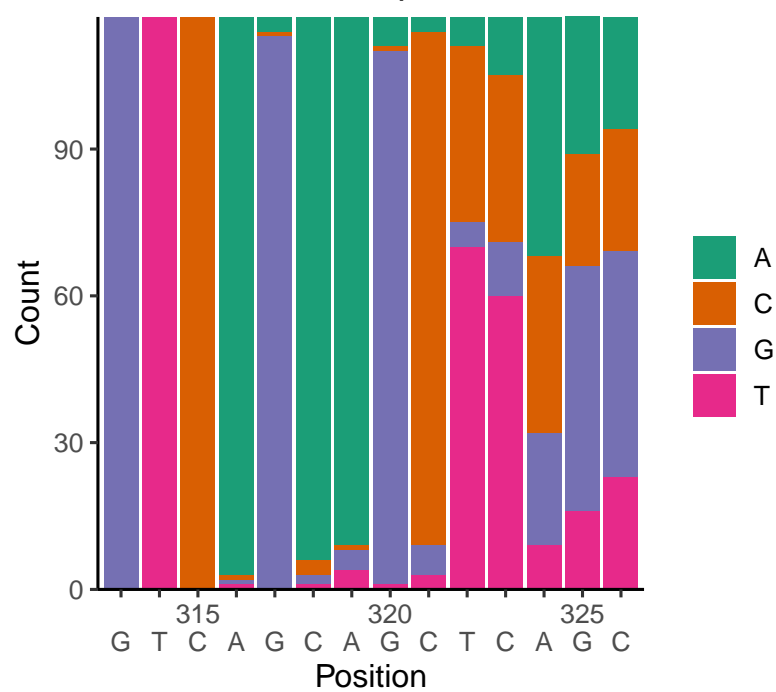
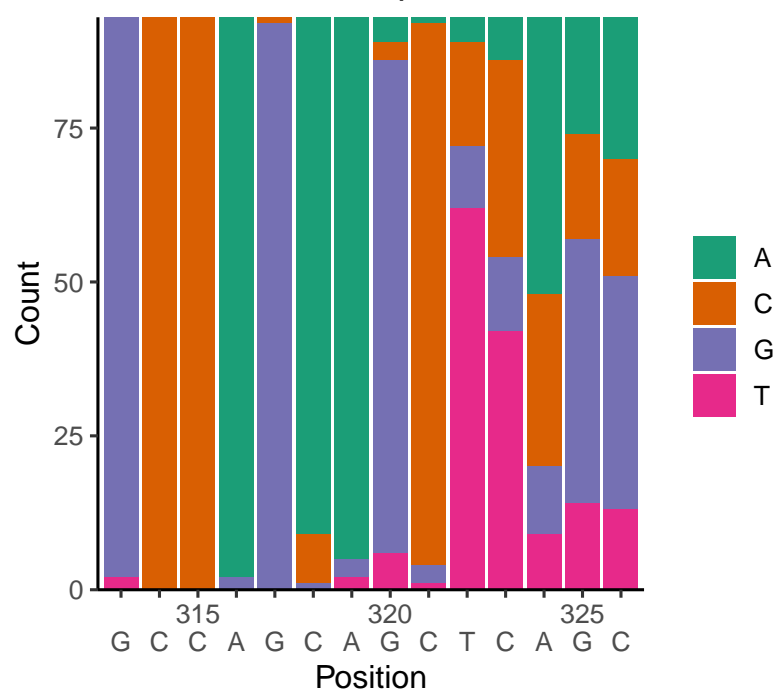


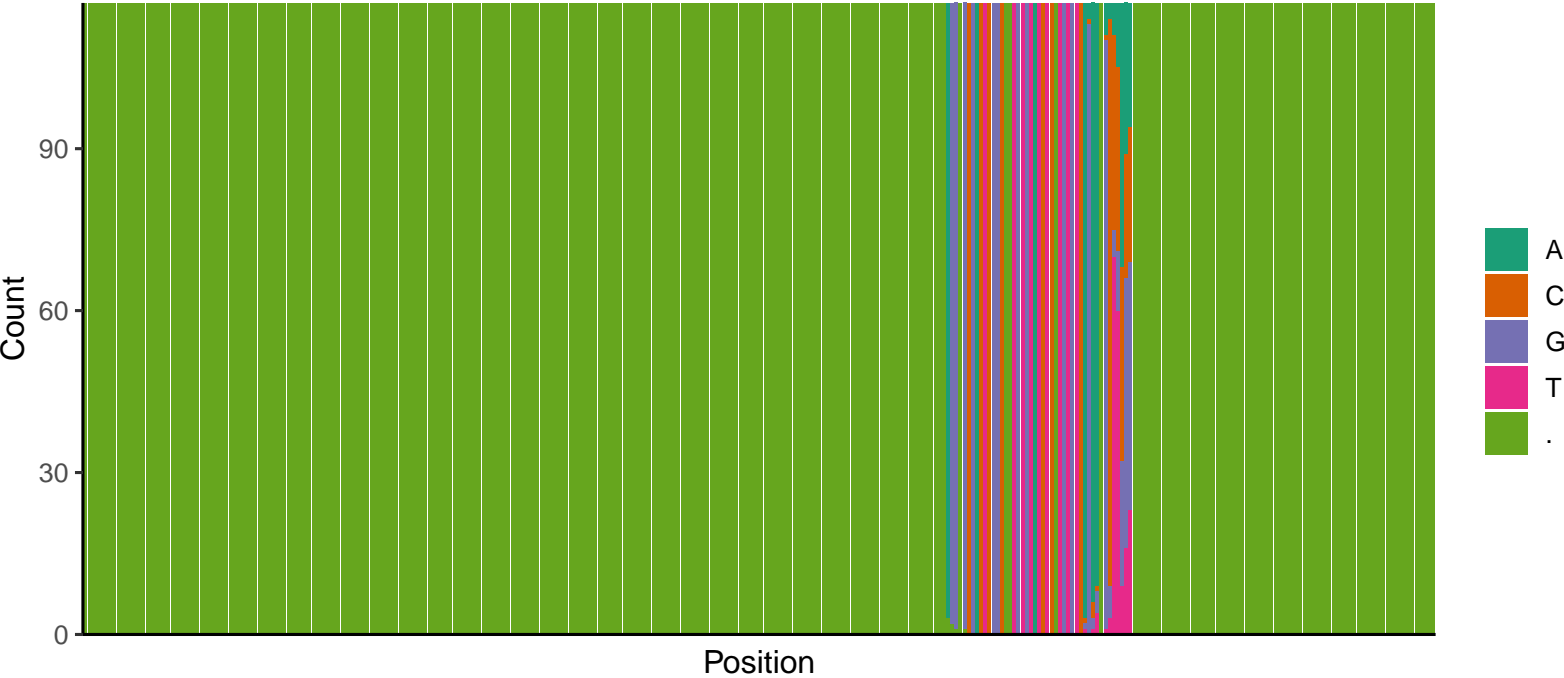
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



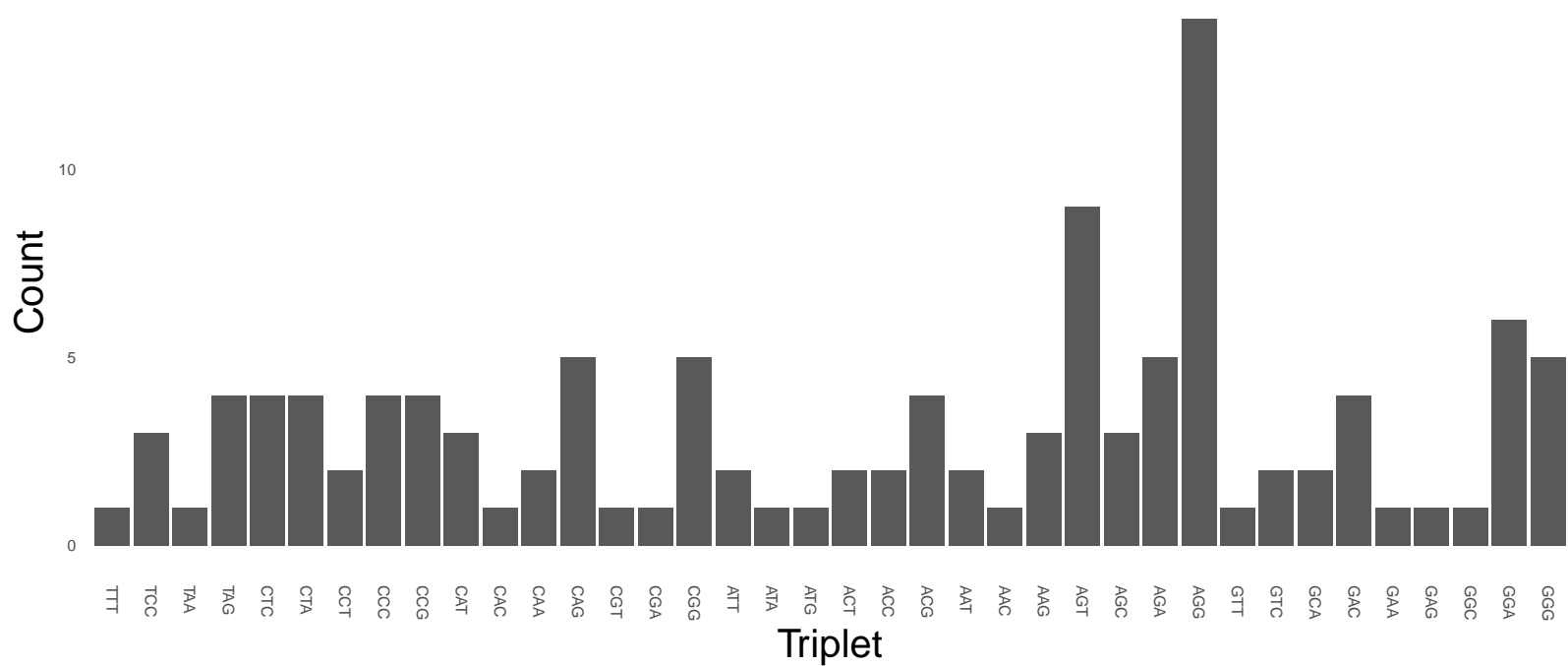
Gene TRBV7-1*ap01_G291C_T296C_C314T



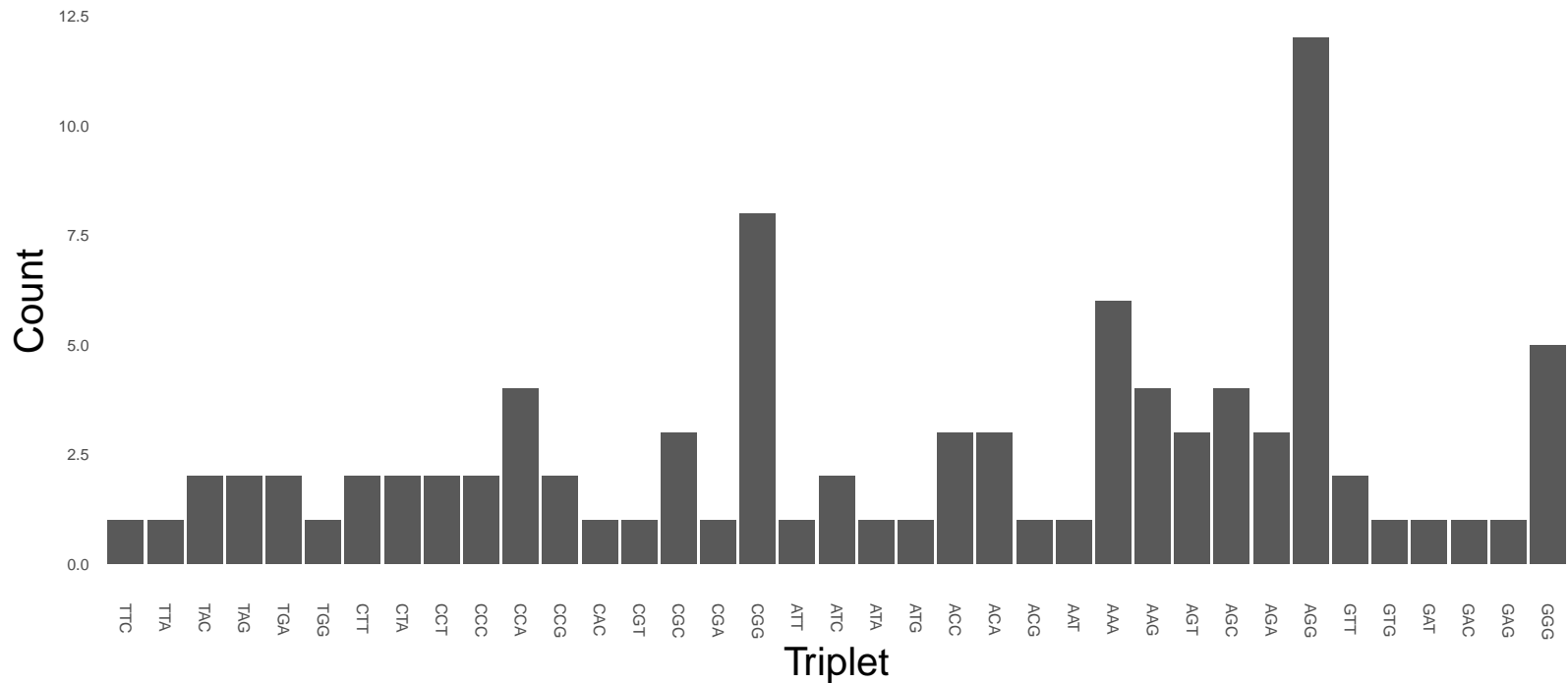
Gene TRBV7-1*ap01_G291C_T296C



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

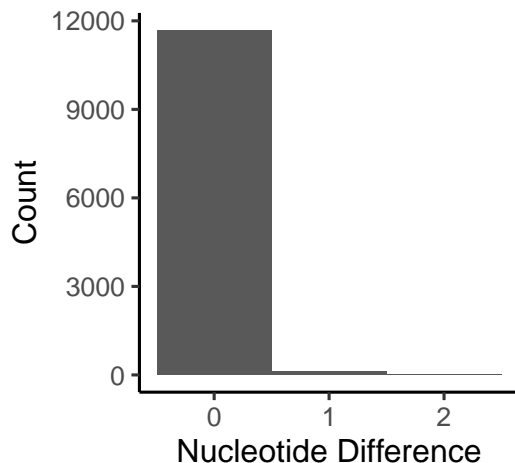


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



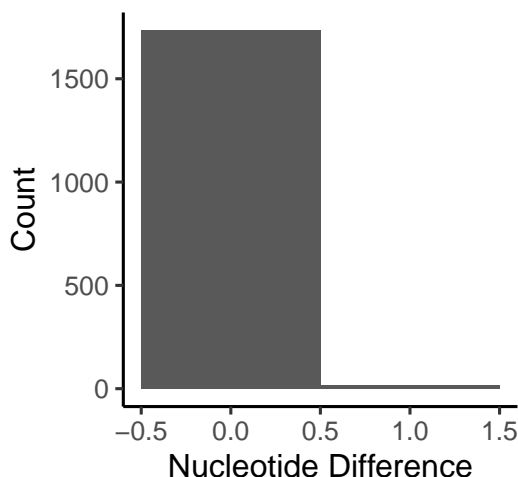
TRBV20-1*ap01

11821 sequences assigned
11685 (98.8%) exact matches, in which:
11422 unique CDR3
13 unique J



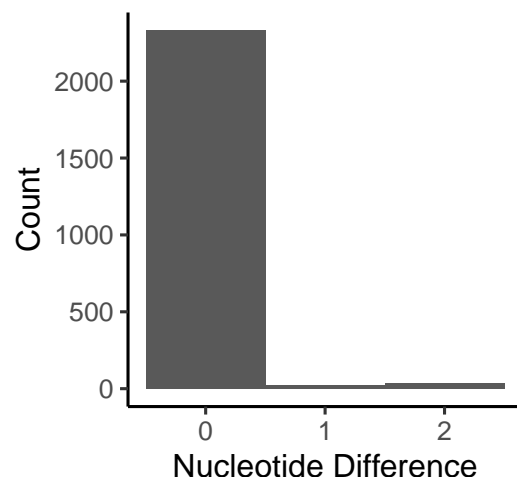
TRBV10-2*ap01

1750 sequences assigned
1734 (99.1%) exact matches, in which:
1685 unique CDR3
13 unique J



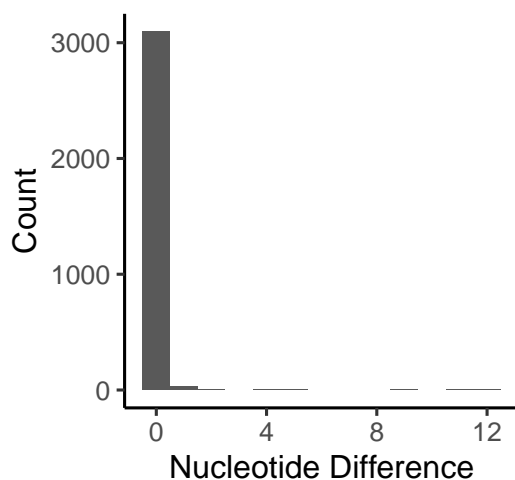
TRBV13*ap01

2388 sequences assigned
2330 (97.6%) exact matches, in which:
2222 unique CDR3
13 unique J



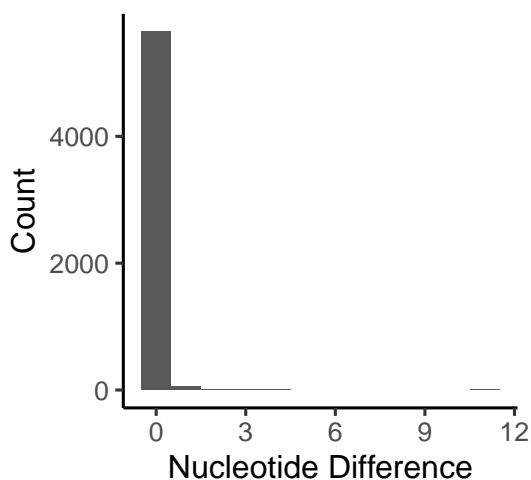
TRBV10-1*ap01

3134 sequences assigned
3095 (98.8%) exact matches, in which:
3015 unique CDR3
13 unique J



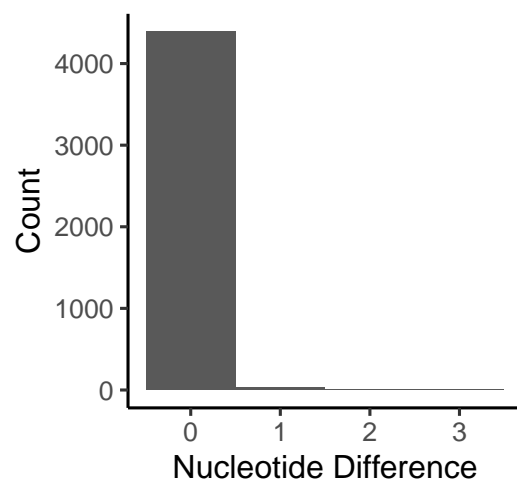
TRBV10-3*ap01

5713 sequences assigned
5650 (98.9%) exact matches, in which:
5498 unique CDR3
13 unique J



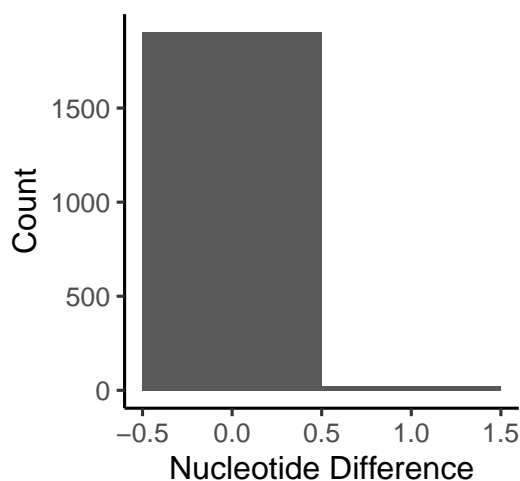
TRBV14*ap01

4428 sequences assigned
4390 (99.1%) exact matches, in which:
4288 unique CDR3
13 unique J



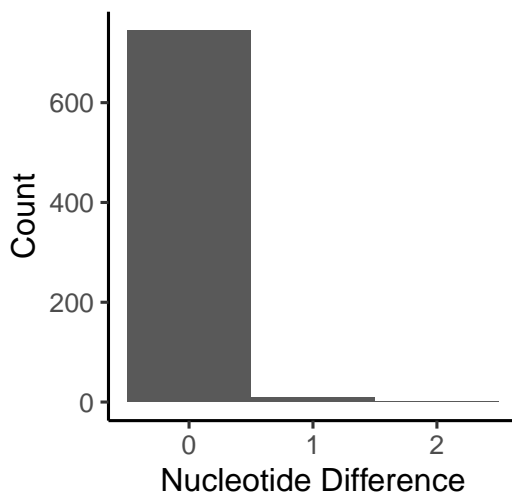
TRBV20-1*ap02

1928 sequences assigned
1904 (98.8%) exact matches, in which:
1871 unique CDR3
13 unique J



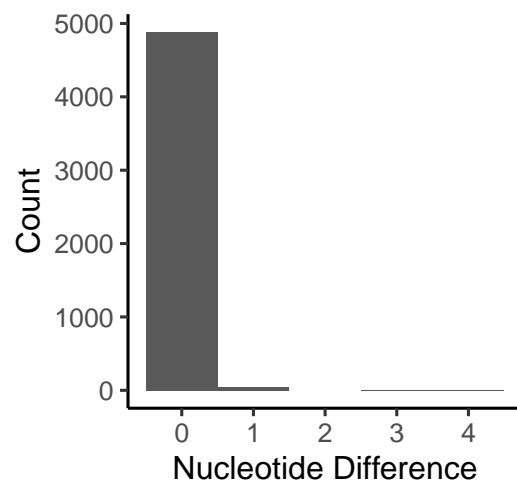
TRBV1*ap01

755 sequences assigned
745 (98.7%) exact matches, in which:
727 unique CDR3
13 unique J



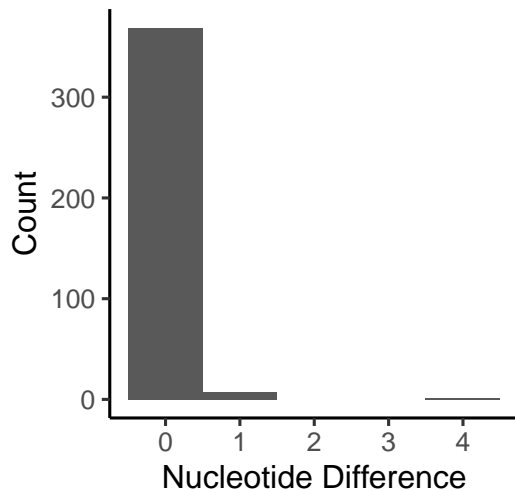
TRBV15*ap02

4931 sequences assigned
4883 (99%) exact matches, in which:
4719 unique CDR3
13 unique J



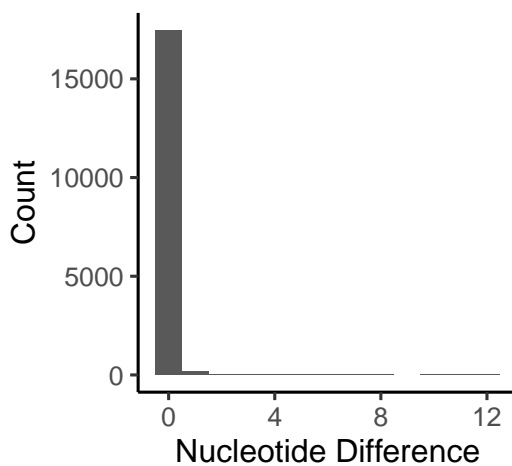
TRBV16*ap01

377 sequences assigned
369 (97.9%) exact matches, in which:
362 unique CDR3
13 unique J



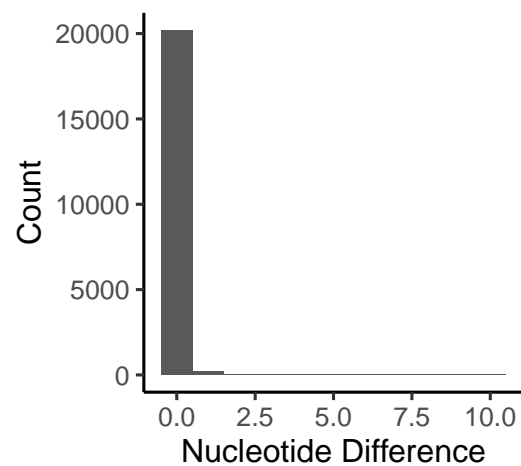
TRBV19*ap01

17657 sequences assigned
17468 (98.9%) exact matches, in which:
17204 unique CDR3
13 unique J



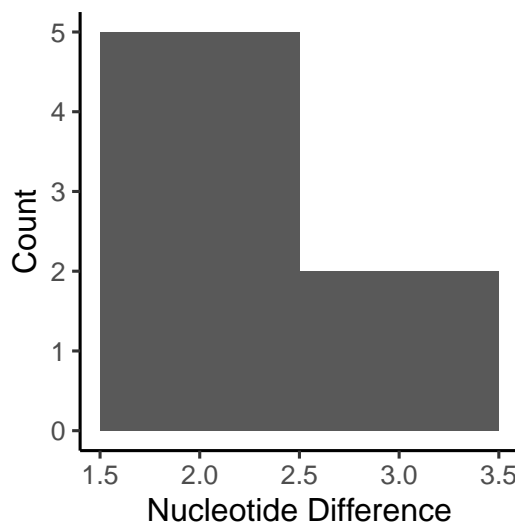
TRBV27*ap01

20454 sequences assigned
20201 (98.8%) exact matches, in which:
19618 unique CDR3
13 unique J



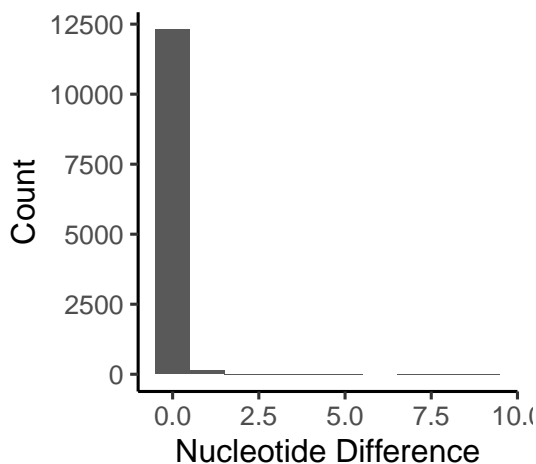
TRBV17*ap01

7 sequences assigned
No exact matches.



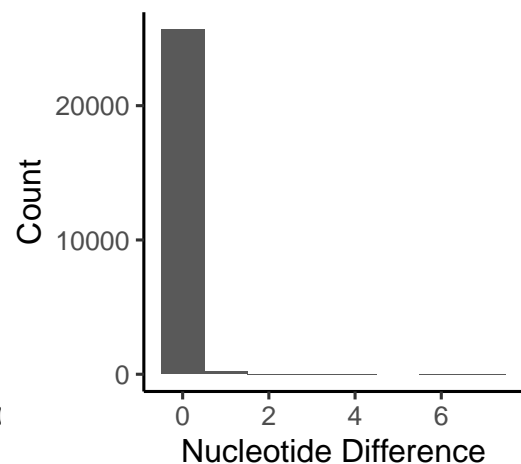
TRBV2*ap01

12470 sequences assigned
12310 (98.7%) exact matches, in which:
11966 unique CDR3
13 unique J



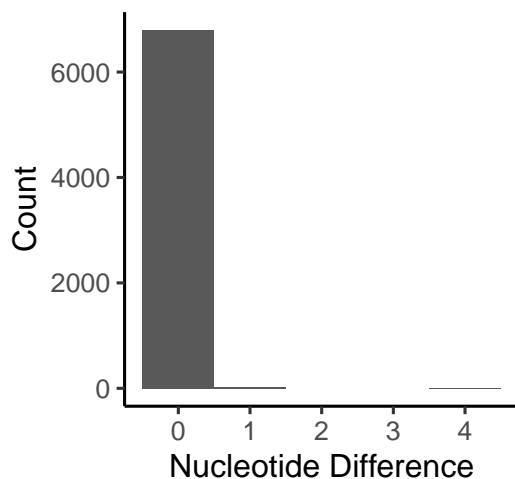
TRBV28*ap01

25896 sequences assigned
25673 (99.1%) exact matches, in which:
25117 unique CDR3
13 unique J



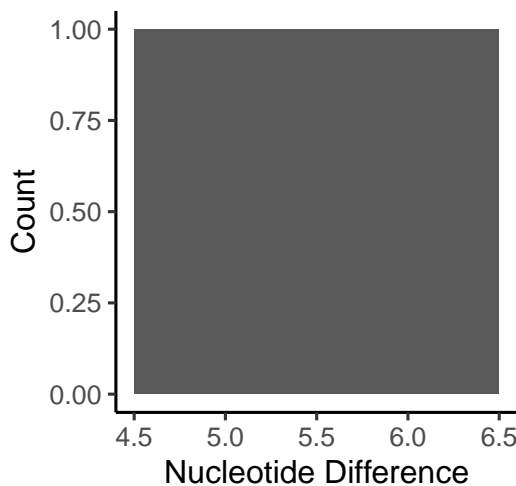
TRBV18*ap01

6829 sequences assigned
6797 (99.5%) exact matches, in which:
6669 unique CDR3
13 unique J



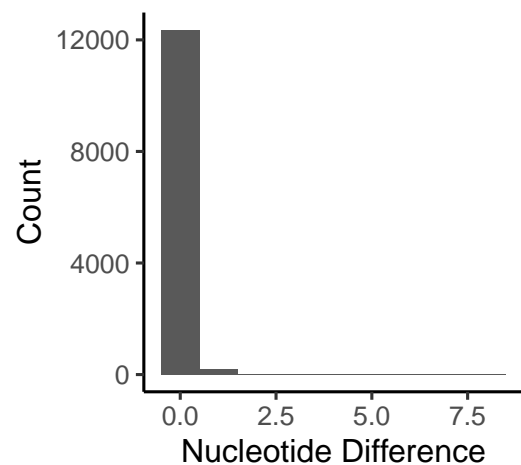
TRBV26*ap01

2 sequences assigned
No exact matches.



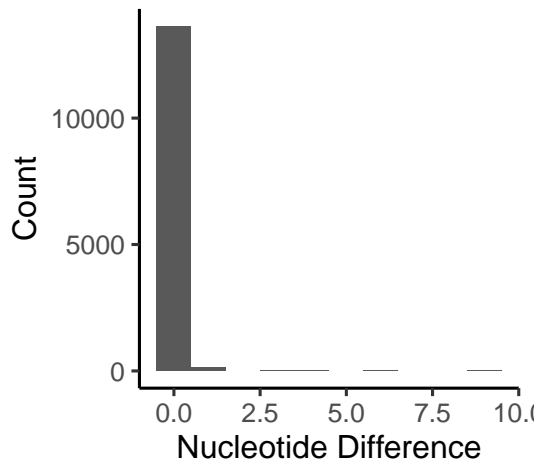
TRBV30*ap01

12571 sequences assigned
12362 (98.3%) exact matches, in which:
12073 unique CDR3
13 unique J



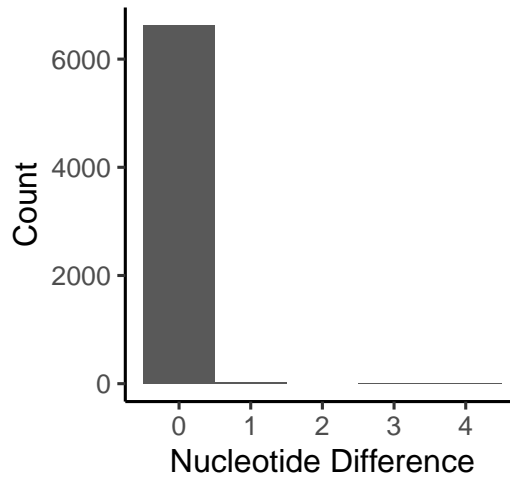
TRBV9*ap01

13768 sequences assigned
13637 (99%) exact matches, in which:
13367 unique CDR3
13 unique J



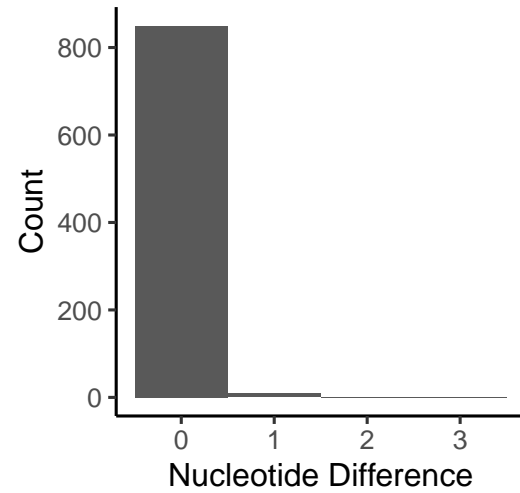
TRBV11-2*ap01

6654 sequences assigned
6623 (99.5%) exact matches, in which:
6530 unique CDR3
13 unique J



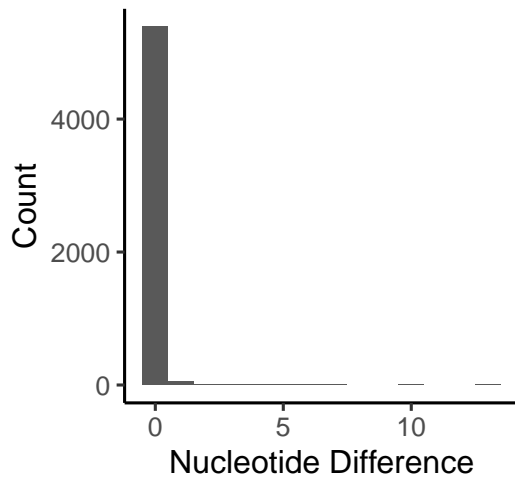
TRBV12-2*ap01

861 sequences assigned
850 (98.7%) exact matches, in which:
830 unique CDR3
13 unique J



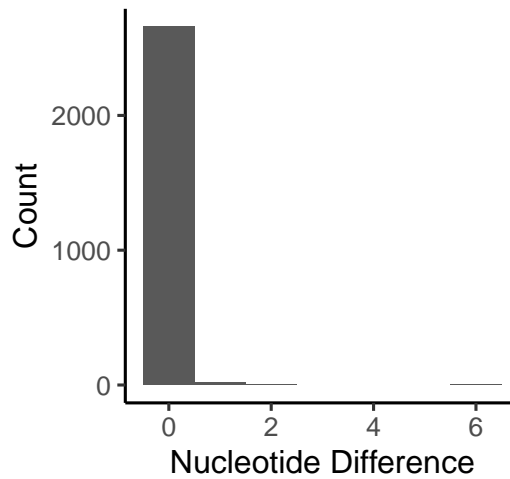
TRBV21-1*ap01

5467 sequences assigned
5389 (98.6%) exact matches, in which:
5316 unique CDR3
13 unique J



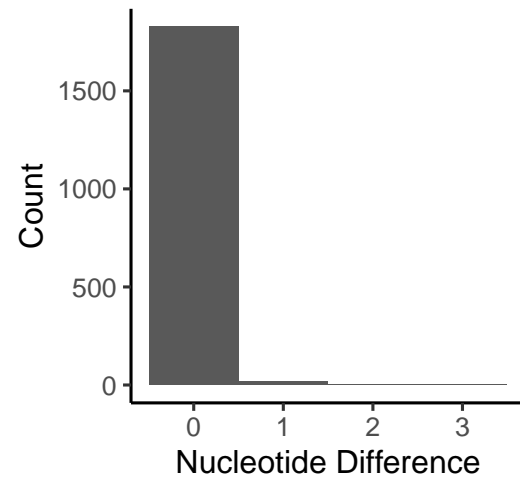
TRBV11-3*ap01

2681 sequences assigned
2658 (99.1%) exact matches, in which:
2625 unique CDR3
13 unique J



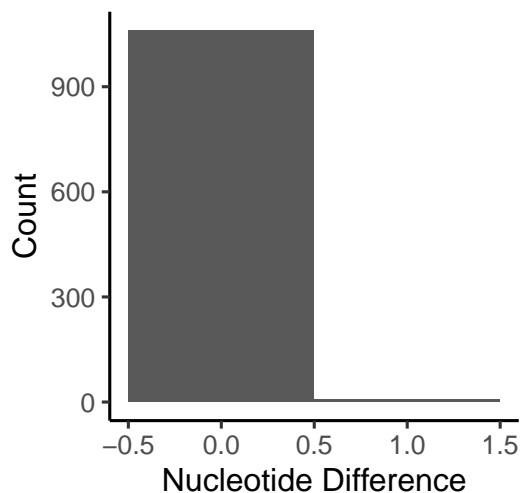
TRBV12-5*ap01

1846 sequences assigned
1827 (99%) exact matches, in which:
1796 unique CDR3
13 unique J



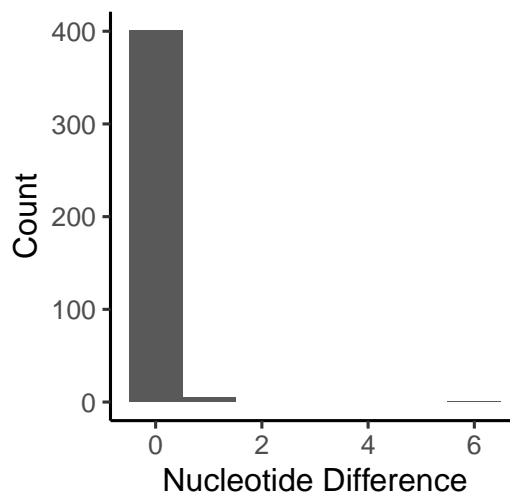
TRBV11-1*ap01

1068 sequences assigned
1061 (99.3%) exact matches, in which:
1044 unique CDR3
13 unique J



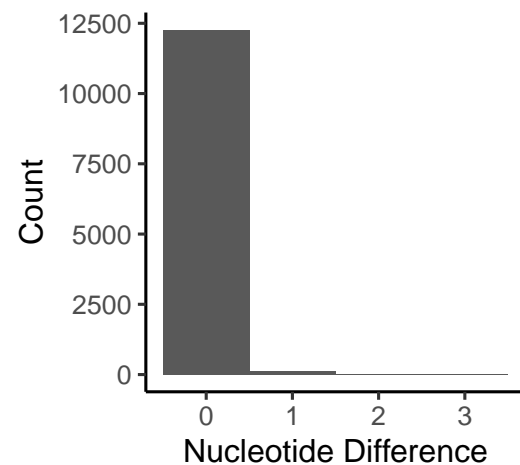
TRBV12-1*ap01

407 sequences assigned
401 (98.5%) exact matches, in which:
391 unique CDR3
13 unique J



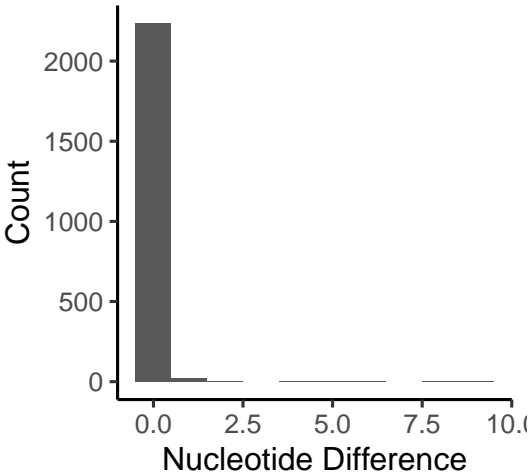
TRBV12-34*ap01

12392 sequences assigned
12269 (99%) exact matches, in which:
11959 unique CDR3
13 unique J



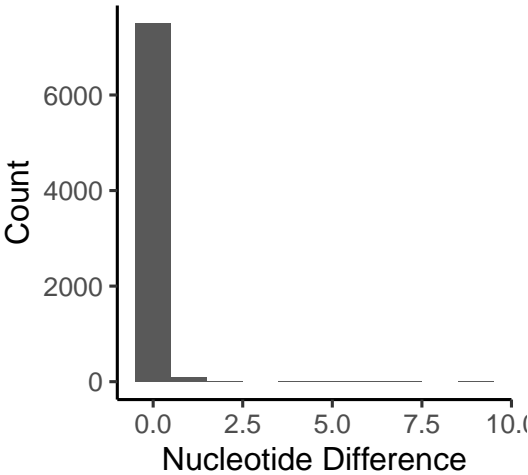
TRBV23-1*ap01

2265 sequences assigned
2235 (98.7%) exact matches, in which:
2183 unique CDR3
14 unique J



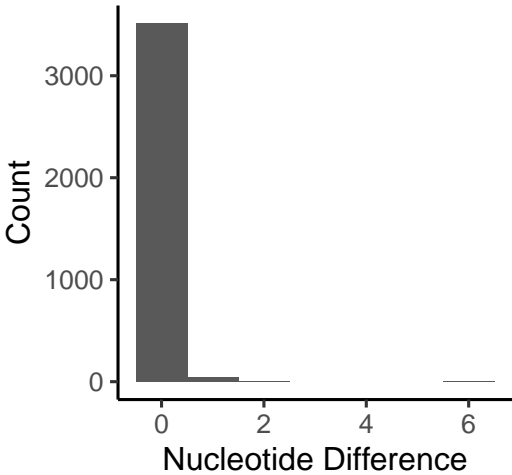
TRBV24-1*ap01

7598 sequences assigned
7498 (98.7%) exact matches, in which:
7295 unique CDR3
13 unique J



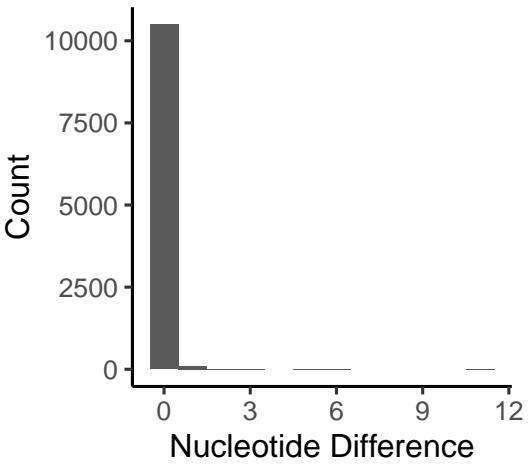
TRBV25-1*ap01

3559 sequences assigned
3513 (98.7%) exact matches, in which:
3415 unique CDR3
13 unique J



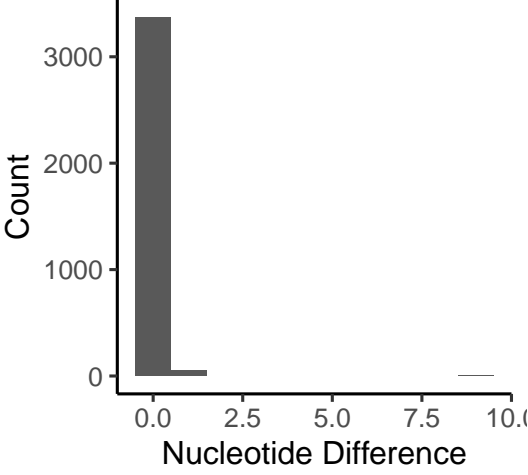
TRBV3-12*ap01

10598 sequences assigned
10497 (99%) exact matches, in which:
10312 unique CDR3
14 unique J



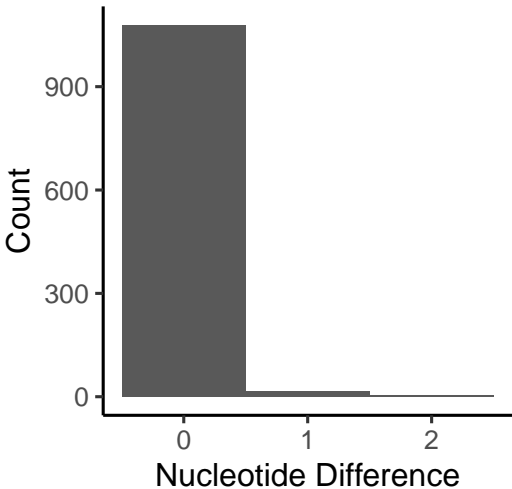
TRBV4-2*ap01

3423 sequences assigned
3367 (98.4%) exact matches, in which:
3258 unique CDR3
13 unique J



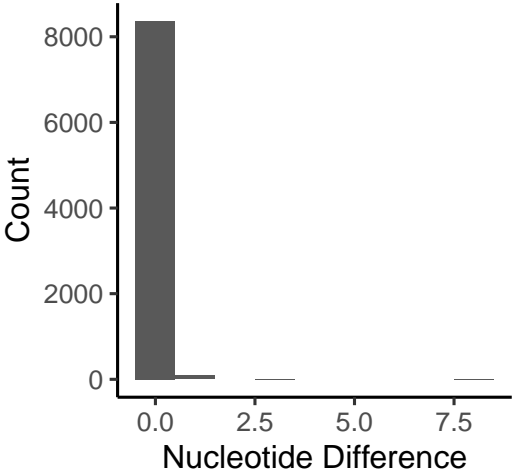
TRBV5-3*ap01

1099 sequences assigned
1079 (98.2%) exact matches, in which:
1051 unique CDR3
13 unique J



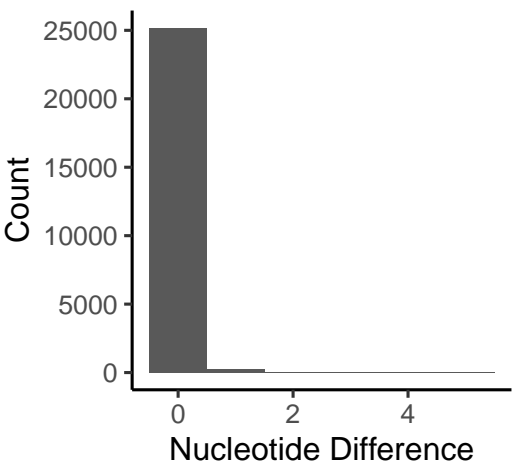
TRBV4-1*ap01

8457 sequences assigned
8367 (98.9%) exact matches, in which:
8090 unique CDR3
13 unique J



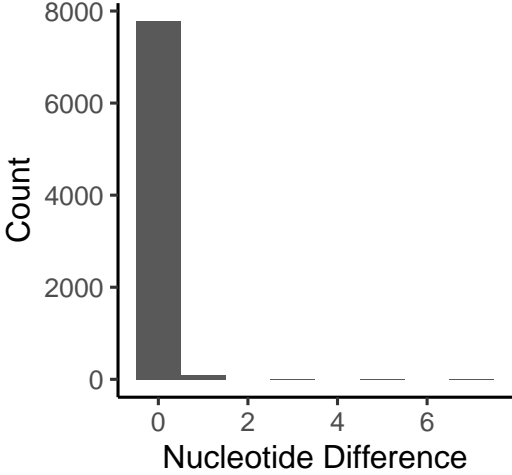
TRBV5-1*ap01

25454 sequences assigned
25186 (98.9%) exact matches, in which:
24412 unique CDR3
13 unique J



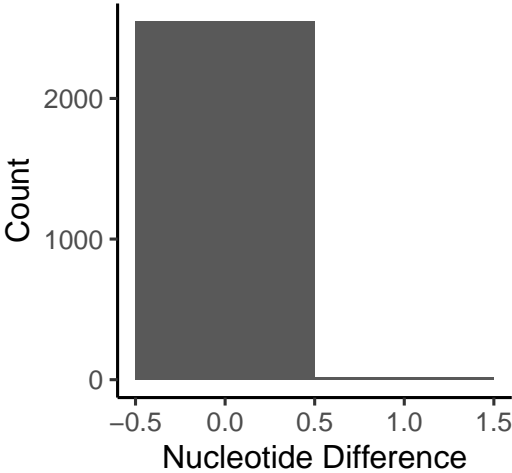
TRBV5-4*ap01

7875 sequences assigned
7782 (98.8%) exact matches, in which:
7560 unique CDR3
13 unique J



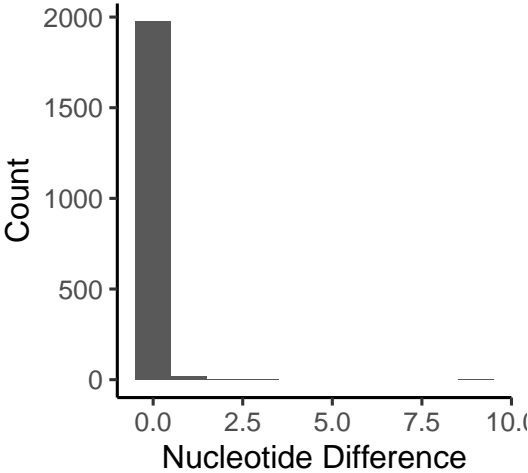
TRBV5-5*ap01

2563 sequences assigned
2548 (99.4%) exact matches, in which:
2531 unique CDR3
13 unique J



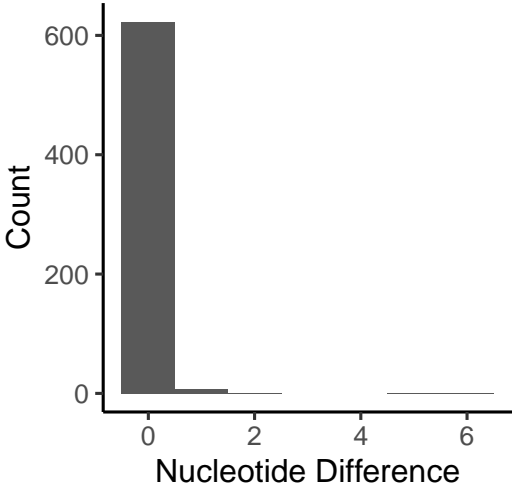
TRBV5-8*ap01

1998 sequences assigned
1976 (98.9%) exact matches, in which:
1938 unique CDR3
13 unique J



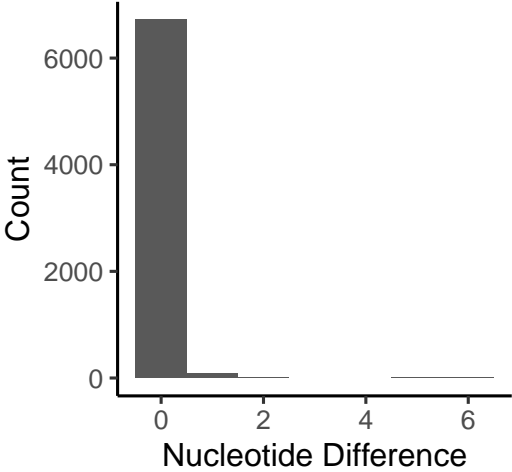
TRBV6-7*ap01

633 sequences assigned
623 (98.4%) exact matches, in which:
606 unique CDR3
13 unique J



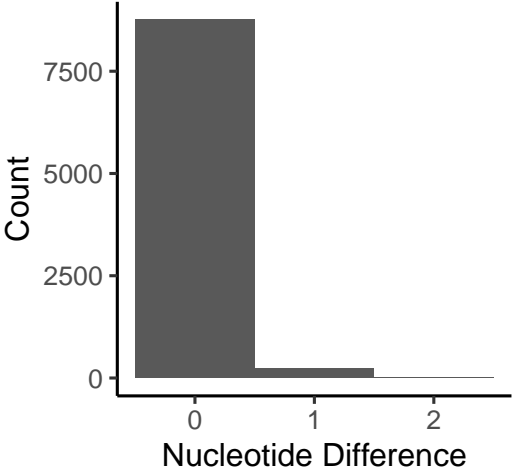
TRBV5-6*ap01

6815 sequences assigned
6719 (98.6%) exact matches, in which:
6409 unique CDR3
13 unique J



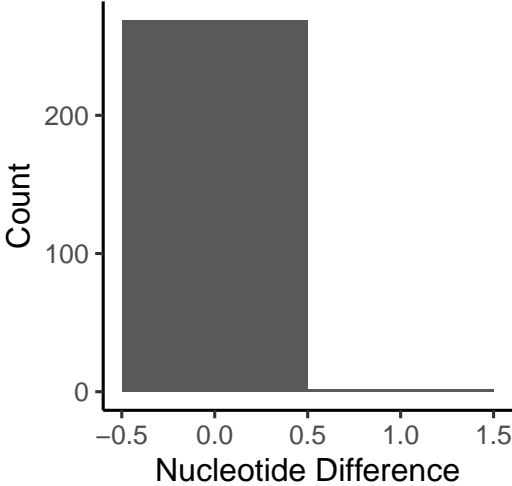
TRBV6-1*ap01

8999 sequences assigned
8759 (97.3%) exact matches, in which:
8487 unique CDR3
13 unique J



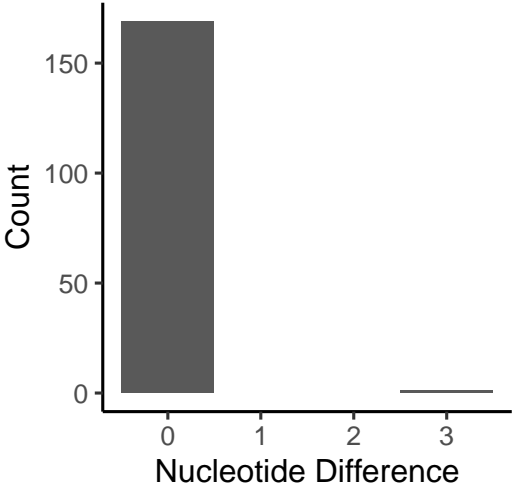
TRBV6-8*ap01

271 sequences assigned
269 (99.3%) exact matches, in which:
262 unique CDR3
13 unique J



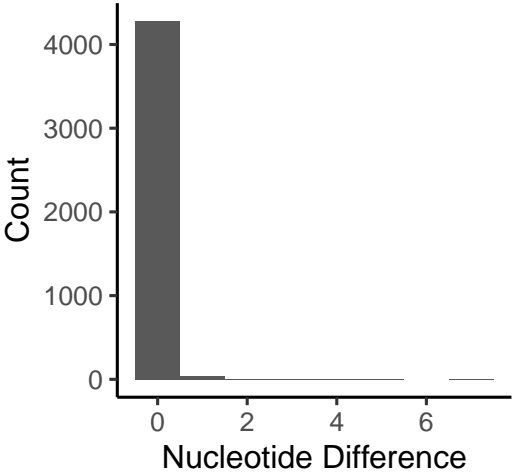
TRBV5-7*ap01

170 sequences assigned
169 (99.4%) exact matches, in which:
165 unique CDR3
12 unique J



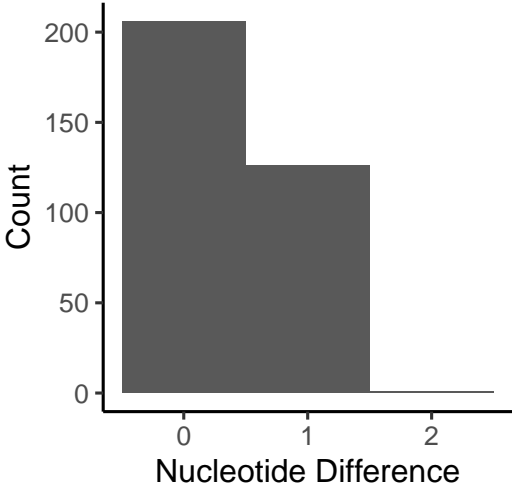
TRBV6-4*ap01

4329 sequences assigned
4280 (98.9%) exact matches, in which:
4202 unique CDR3
13 unique J



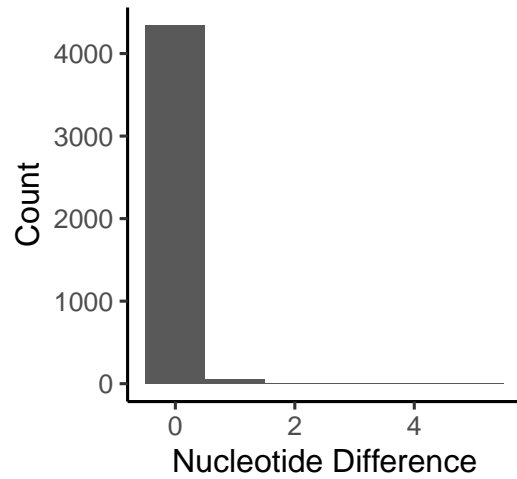
TRBV6-9*ap01

333 sequences assigned
206 (61.9%) exact matches, in which:
200 unique CDR3
13 unique J



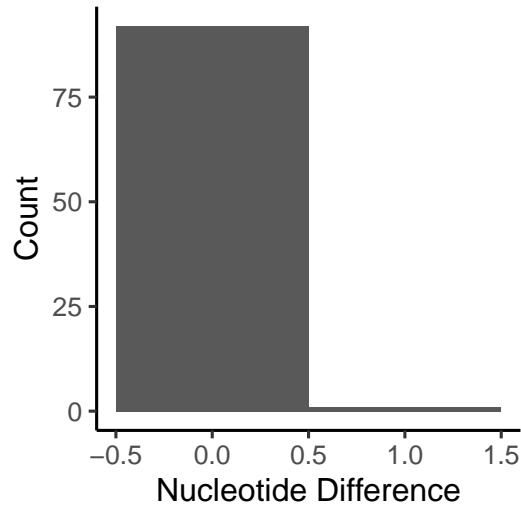
TRBV6-23*ap01

4405 sequences assigned
4341 (98.5%) exact matches, in which:
4179 unique CDR3
13 unique J



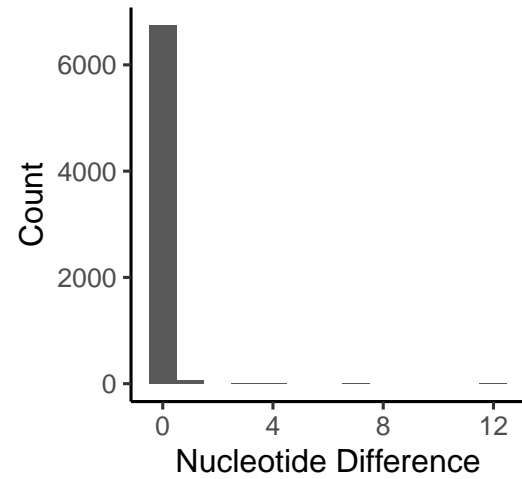
TRBV7-1*ap01_G291C_T

93 sequences assigned
92 (98.9%) exact matches, in which:
91 unique CDR3
12 unique J



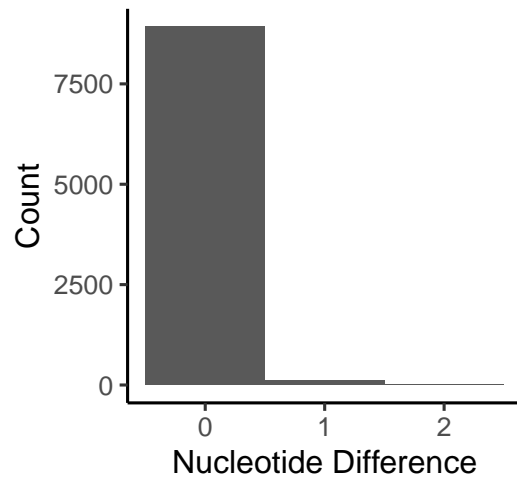
TRBV7-3*ap01

6804 sequences assigned
6743 (99.1%) exact matches, in which:
6619 unique CDR3
13 unique J



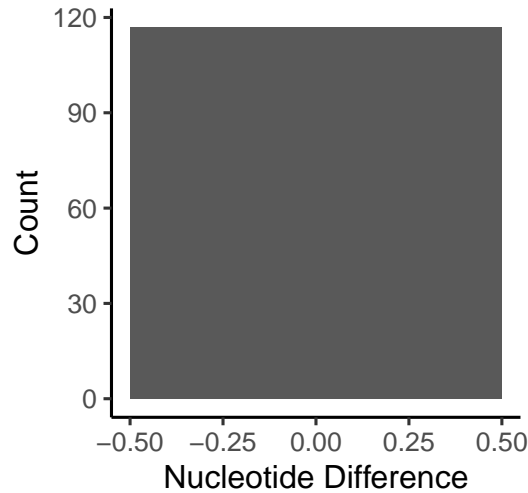
TRBV6-56*ap01

9041 sequences assigned
8923 (98.7%) exact matches, in which:
8648 unique CDR3
13 unique J



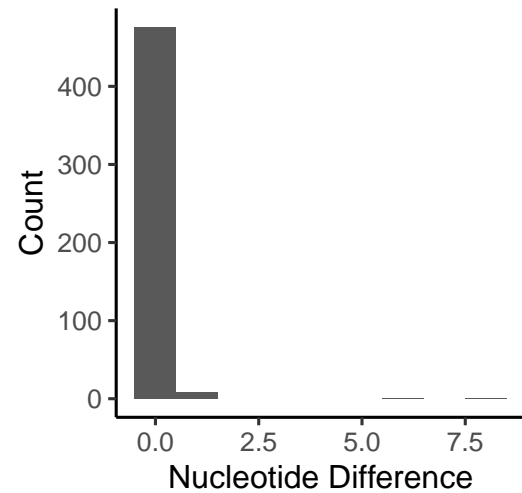
TRBV7-1*ap01_G291C_

117 sequences assigned
117 (100%) exact matches, in which:
114 unique CDR3
13 unique J



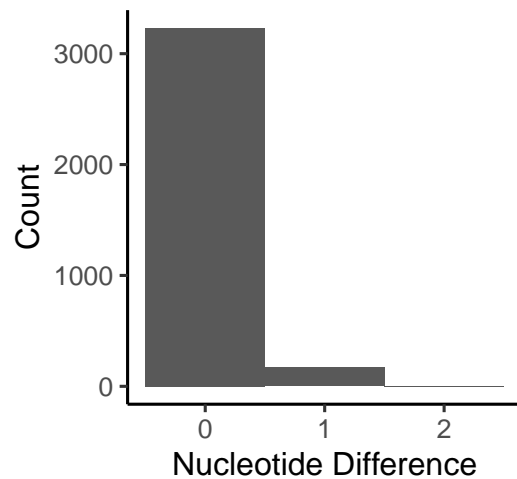
TRBV7-4*ap01

486 sequences assigned
476 (97.9%) exact matches, in which:
464 unique CDR3
13 unique J



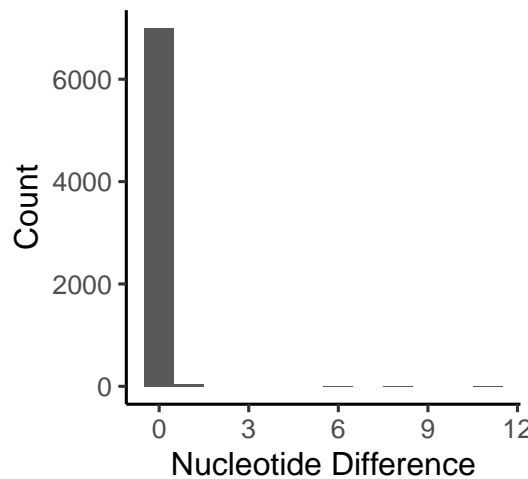
TRBV6-56*ap02

3401 sequences assigned
3231 (95%) exact matches, in which:
3120 unique CDR3
13 unique J



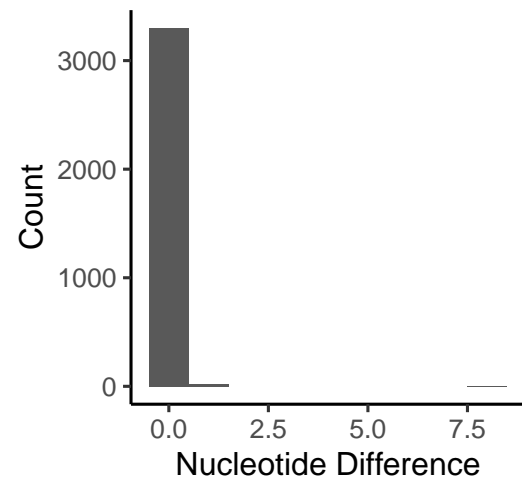
TRBV7-2*ap01

7055 sequences assigned
7000 (99.2%) exact matches, in which:
6845 unique CDR3
13 unique J



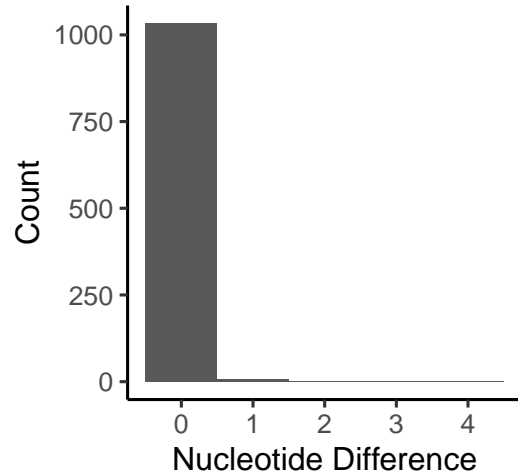
TRBV7-6*ap01

3324 sequences assigned
3300 (99.3%) exact matches, in which:
3201 unique CDR3
13 unique J



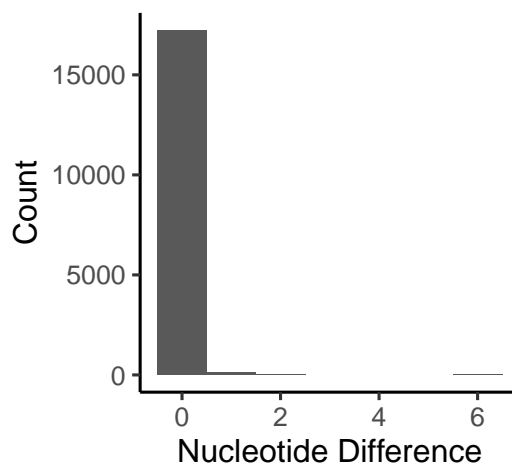
TRBV7-7*ap01

1044 sequences assigned
1033 (98.9%) exact matches, in which:
1013 unique CDR3
13 unique J



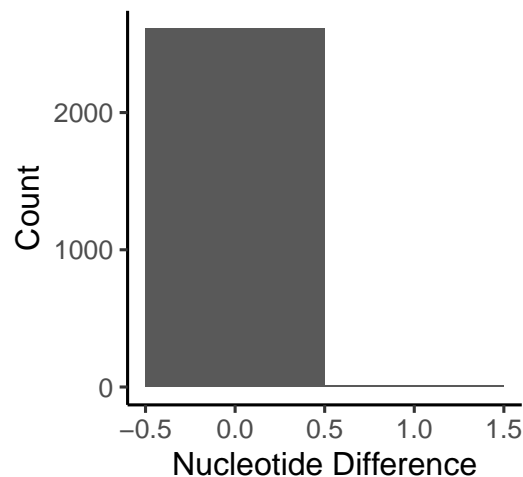
TRBV7-9*ap01

17370 sequences assigned
17234 (99.2%) exact matches, in which:
16828 unique CDR3
13 unique J



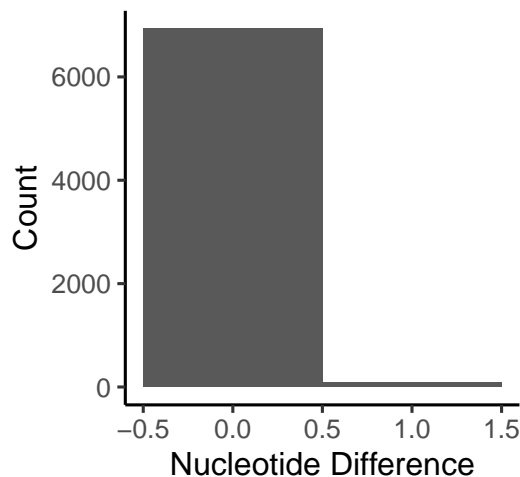
TRBV7-8*ap01

2623 sequences assigned
2611 (99.5%) exact matches, in which:
2544 unique CDR3
13 unique J



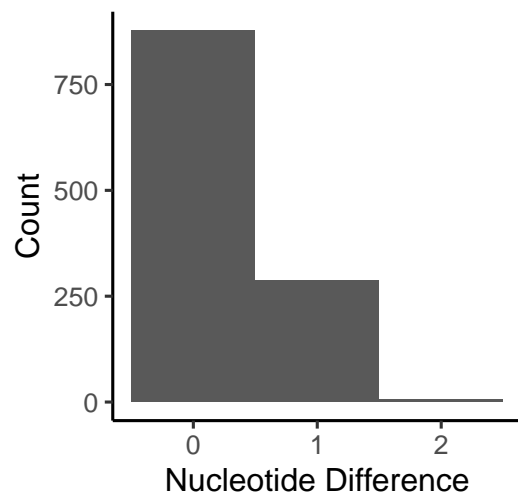
TRBV29-1*ap01

7022 sequences assigned
6932 (98.7%) exact matches, in which:
6737 unique CDR3
13 unique J



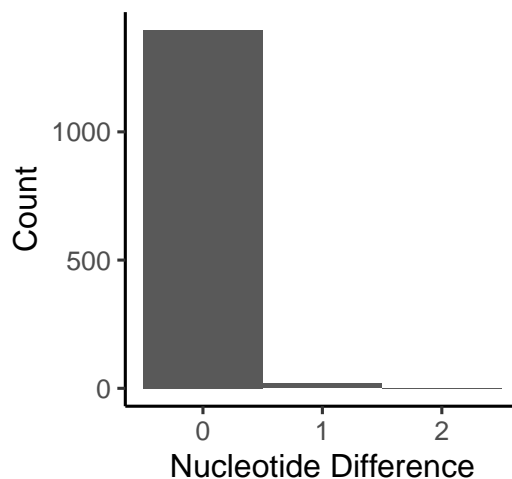
TRBV7-8*ap03

1169 sequences assigned
878 (75.1%) exact matches, in which:
857 unique CDR3
13 unique J

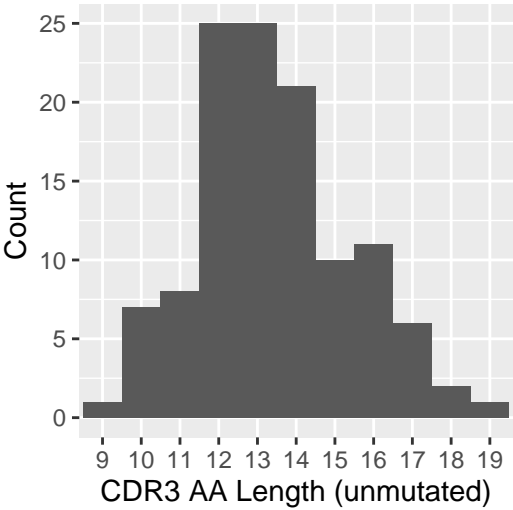


TRBV29-1*ap02

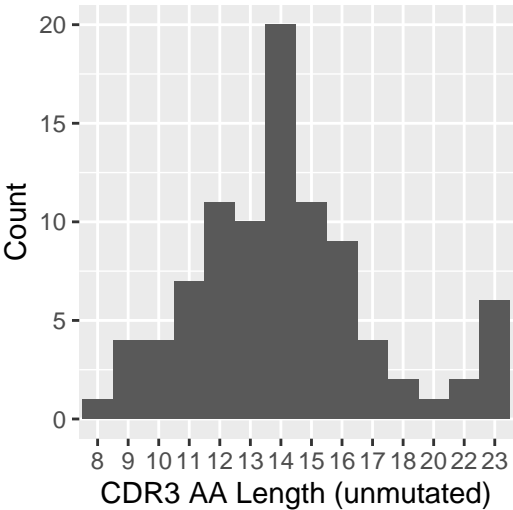
1417 sequences assigned
1397 (98.6%) exact matches, in which:
1359 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C





[illegible]