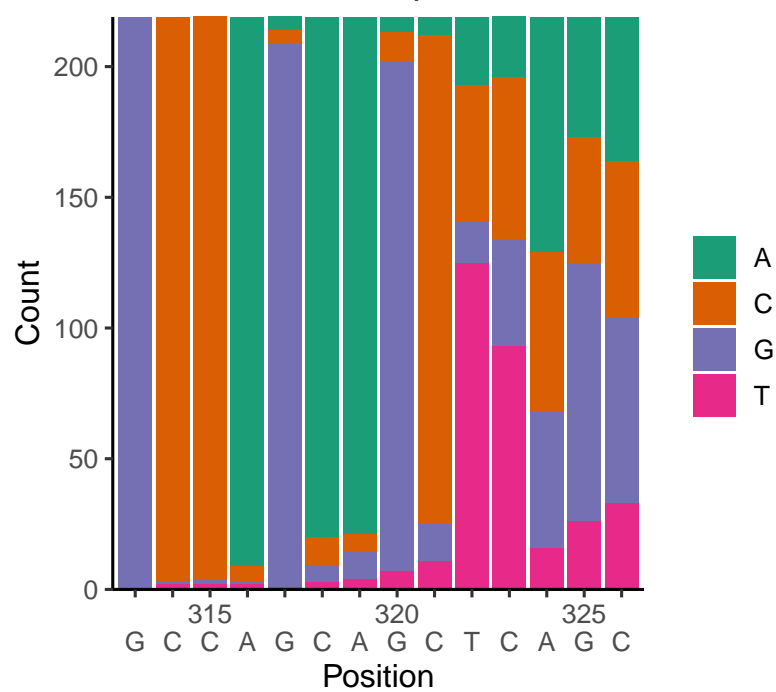
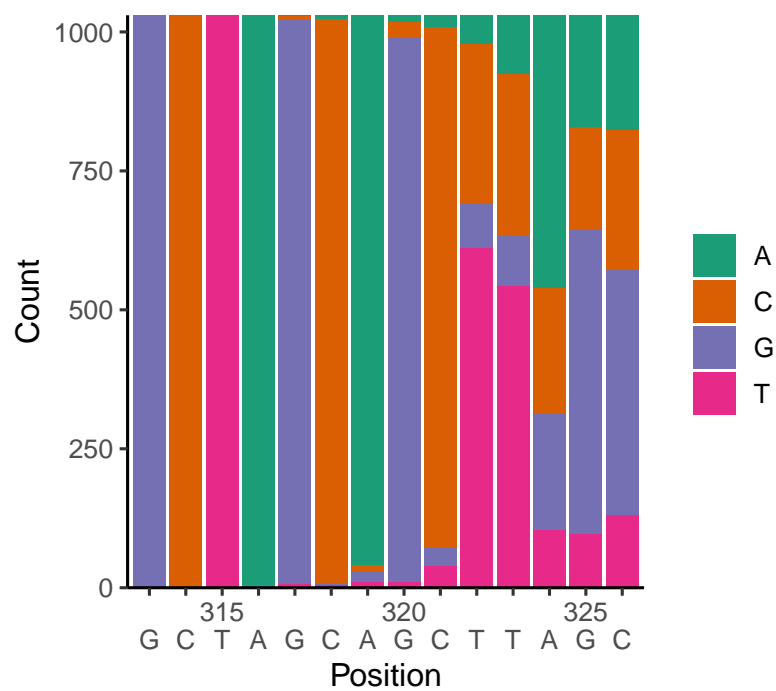


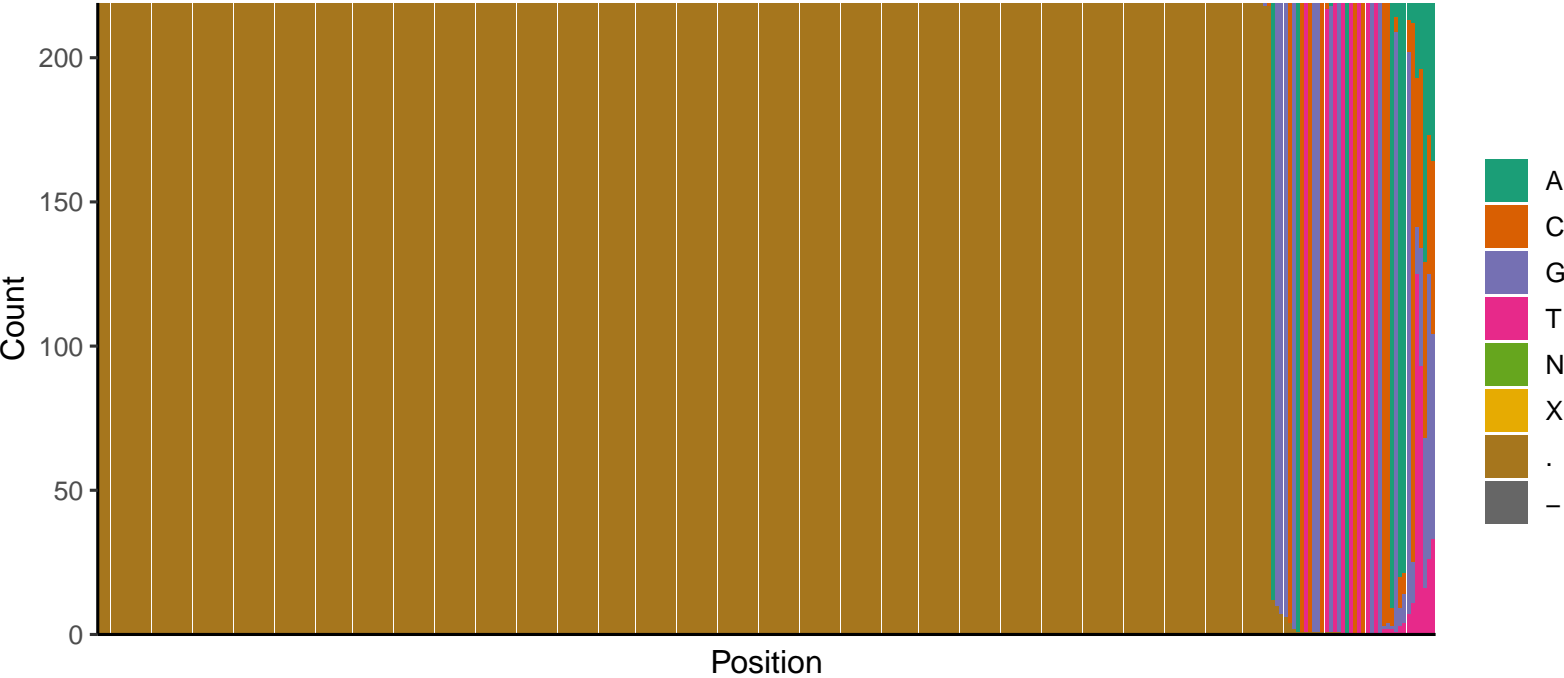
Gene TRBV7-1*ap01_G291C_T296C



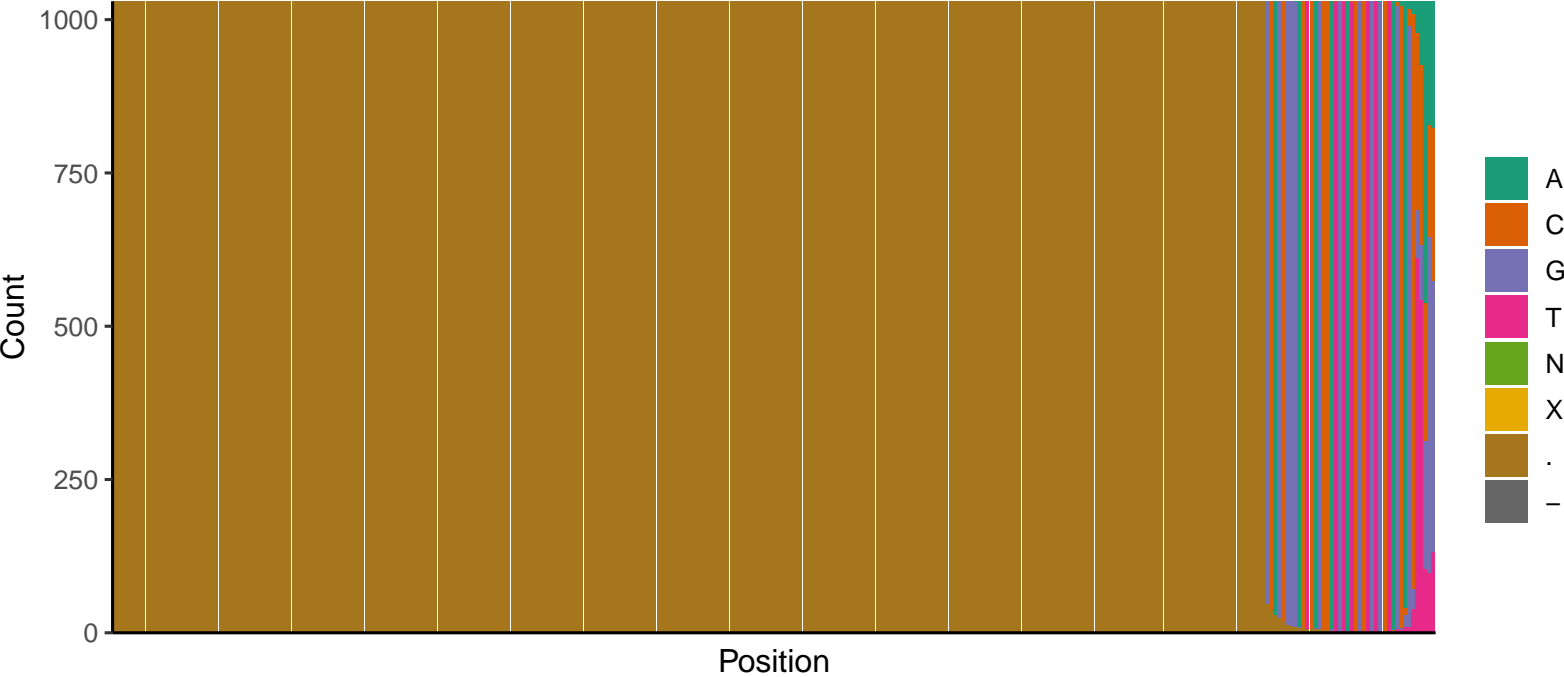
Gene TRBV7-7*ap01_C315T



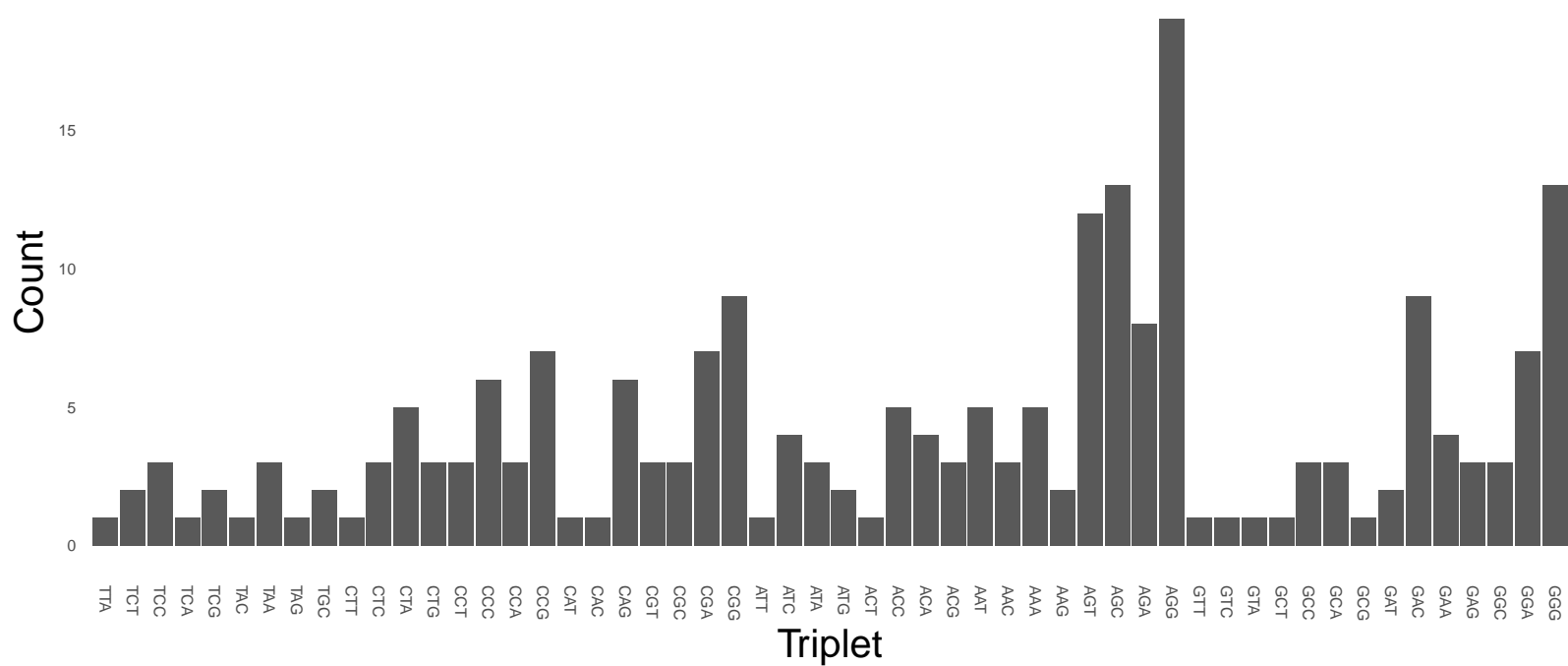
Gene TRBV7-1*ap01_G291C_T296C



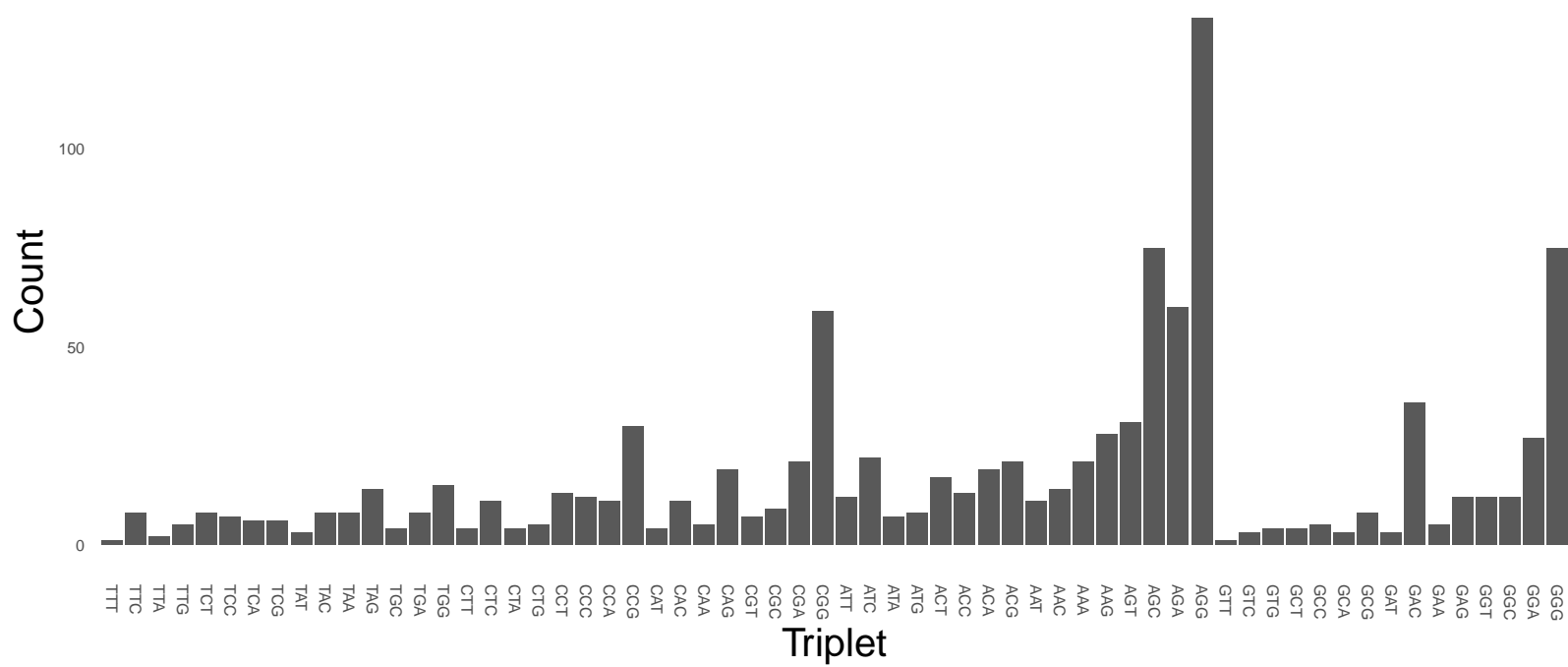
Gene TRBV7-7*ap01_C315T



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

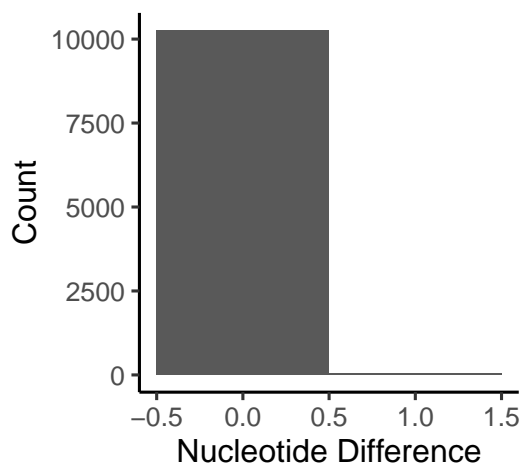


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



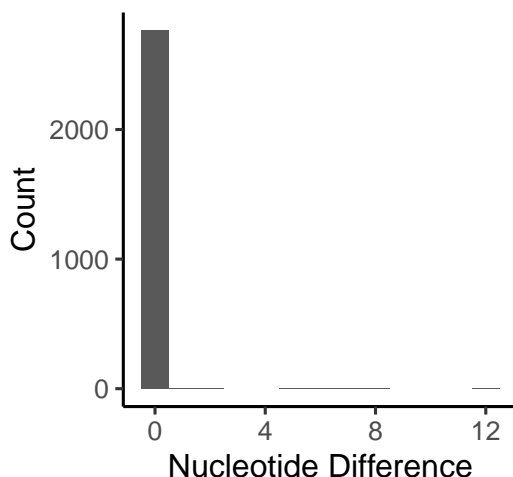
TRBV20-1*ap01

10317 sequences assigned
10266 (99.5%) exact matches, in which:
10234 unique CDR3
13 unique J



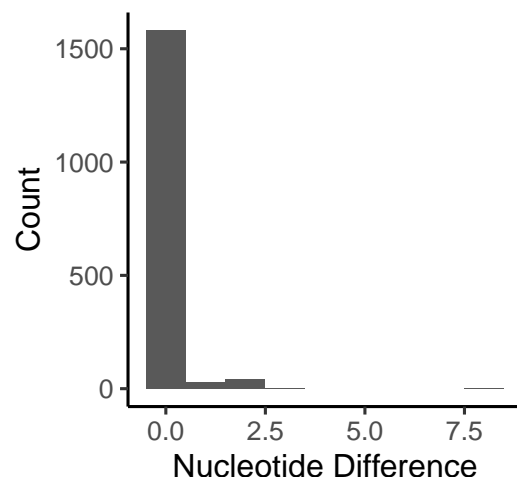
TRBV10-2*ap01

2780 sequences assigned
2765 (99.5%) exact matches, in which:
2736 unique CDR3
13 unique J



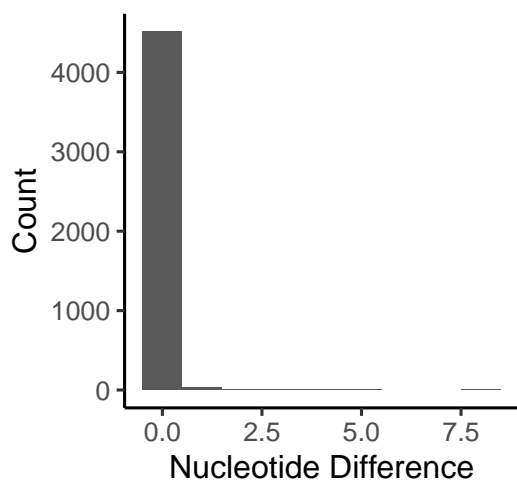
TRBV13*ap01

1656 sequences assigned
1581 (95.5%) exact matches, in which:
1556 unique CDR3
13 unique J



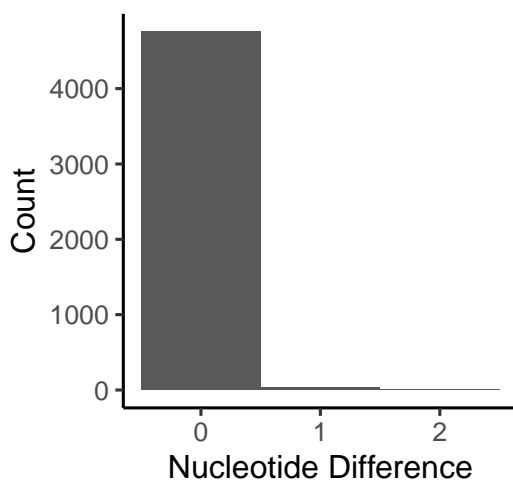
TRBV10-1*ap01

4555 sequences assigned
4512 (99.1%) exact matches, in which:
4485 unique CDR3
13 unique J



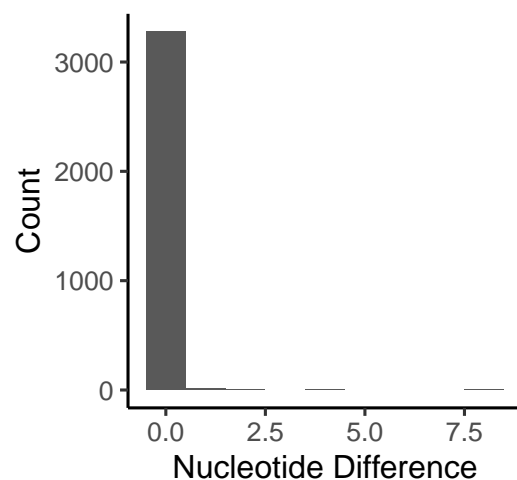
TRBV10-3*ap01

4793 sequences assigned
4755 (99.2%) exact matches, in which:
4726 unique CDR3
13 unique J



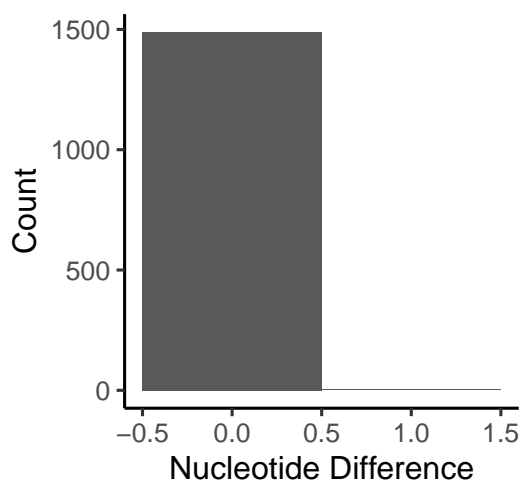
TRBV14*ap01

3290 sequences assigned
3277 (99.6%) exact matches, in which:
3263 unique CDR3
13 unique J



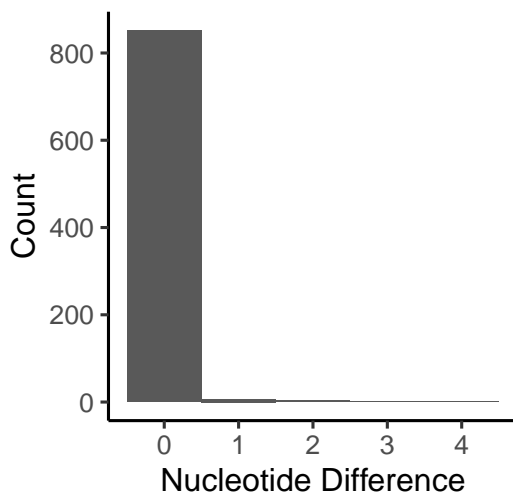
TRBV20-1*ap02

1492 sequences assigned
1489 (99.8%) exact matches, in which:
1486 unique CDR3
13 unique J



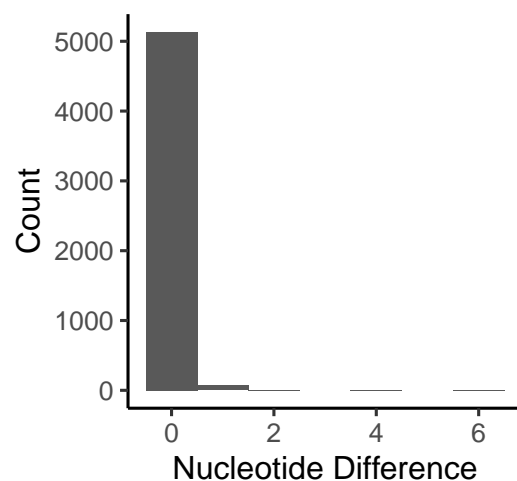
TRBV1*ap01

864 sequences assigned
852 (98.6%) exact matches, in which:
842 unique CDR3
13 unique J



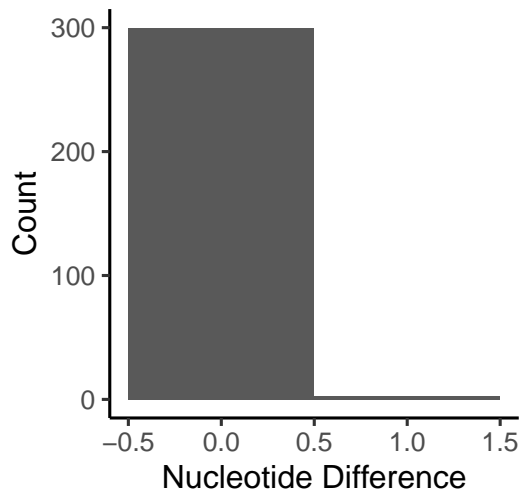
TRBV15*ap02

5205 sequences assigned
5132 (98.6%) exact matches, in which:
5085 unique CDR3
13 unique J



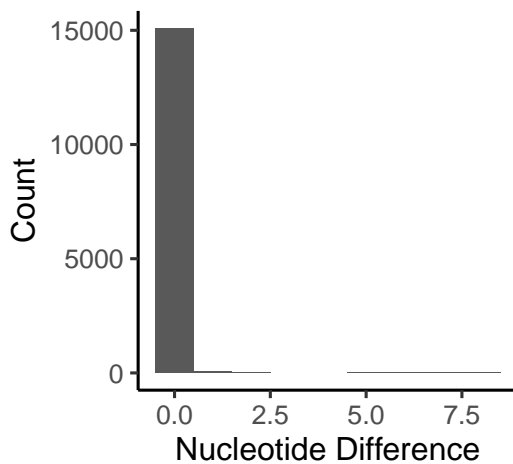
TRBV16*ap01

303 sequences assigned
300 (99%) exact matches, in which:
300 unique CDR3
12 unique J



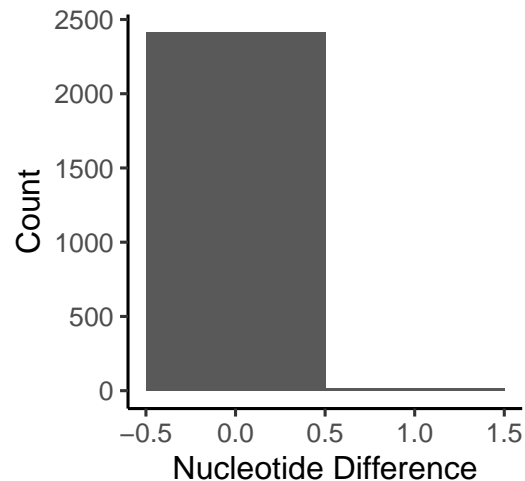
TRBV19*ap01

15185 sequences assigned
15095 (99.4%) exact matches, in which:
15044 unique CDR3
13 unique J



TRBV28*ap01

2429 sequences assigned
2413 (99.3%) exact matches, in which:
2403 unique CDR3
13 unique J



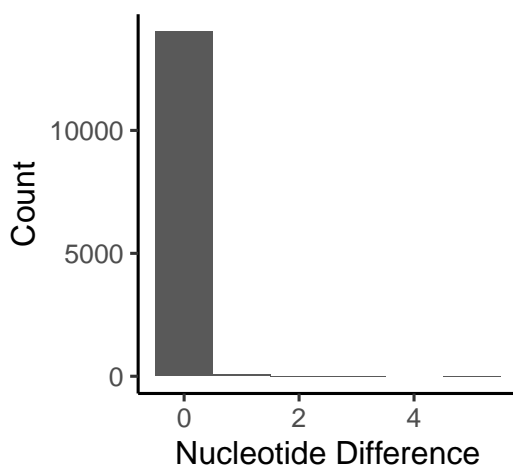
TRBV17*ap01

2 sequences assigned
No exact matches.



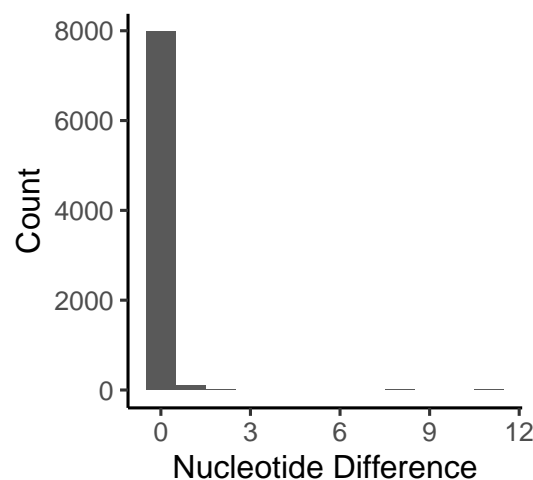
TRBV2*ap01

14118 sequences assigned
14025 (99.3%) exact matches, in which:
13939 unique CDR3
13 unique J



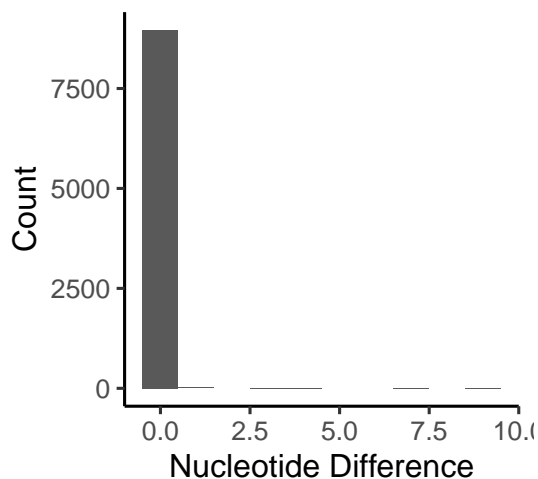
TRBV30*ap01

8085 sequences assigned
7978 (98.7%) exact matches, in which:
7823 unique CDR3
13 unique J



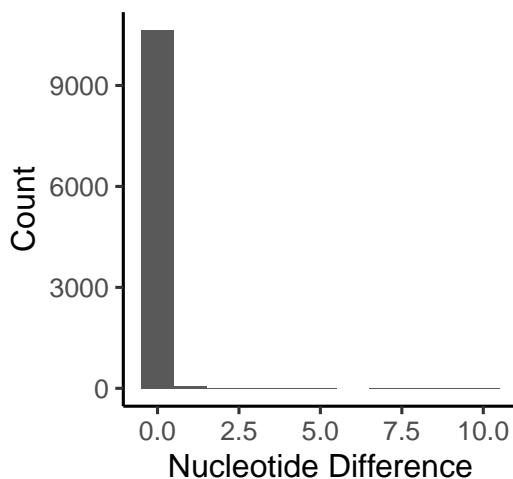
TRBV18*ap01

8990 sequences assigned
8962 (99.7%) exact matches, in which:
8934 unique CDR3
13 unique J



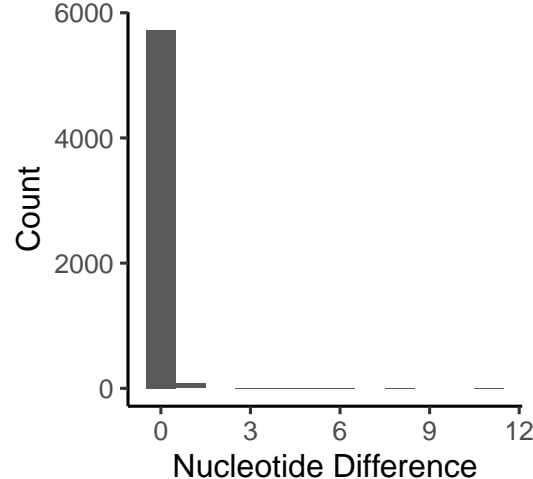
TRBV27*ap01

10731 sequences assigned
10648 (99.2%) exact matches, in which:
10588 unique CDR3
13 unique J



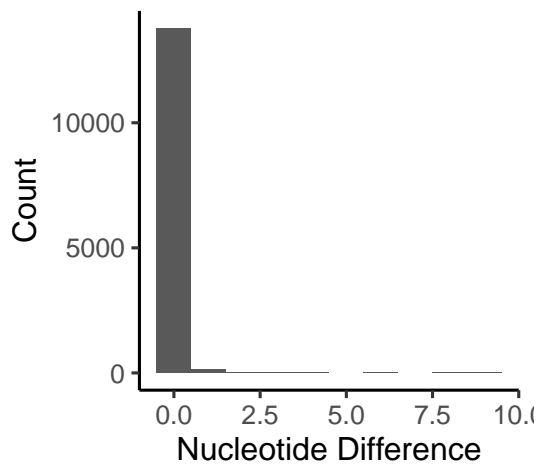
TRBV30*ap02

5806 sequences assigned
5724 (98.6%) exact matches, in which:
5629 unique CDR3
13 unique J



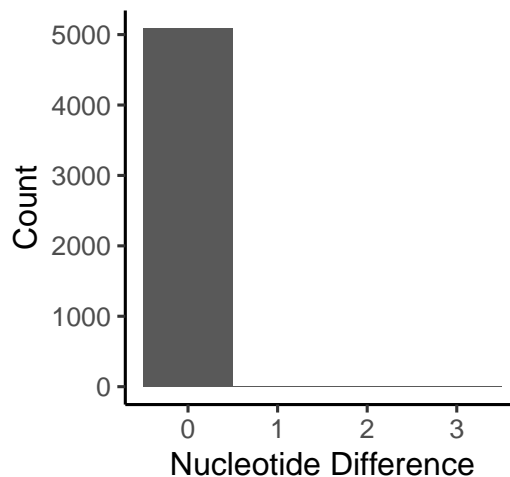
TRBV9*ap01

13931 sequences assigned
13783 (98.9%) exact matches, in which:
13725 unique CDR3
13 unique J



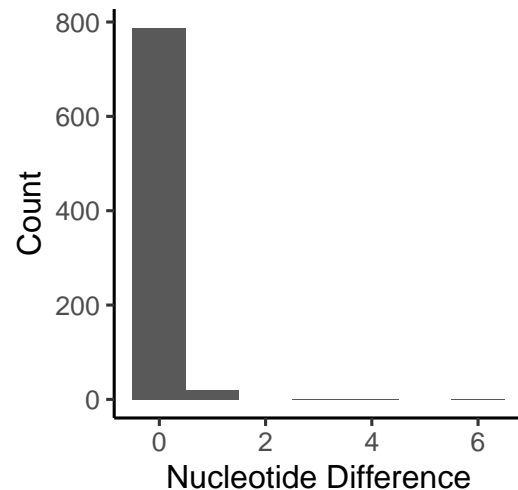
TRBV11-2*ap01

5098 sequences assigned
5088 (99.8%) exact matches, in which:
5083 unique CDR3
13 unique J



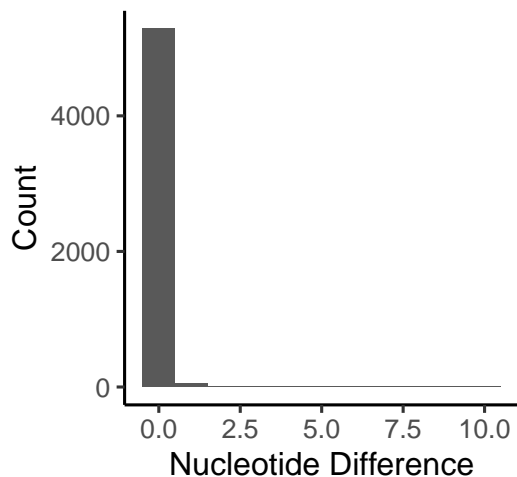
TRBV12-2*ap01

811 sequences assigned
788 (97.2%) exact matches, in which:
781 unique CDR3
13 unique J



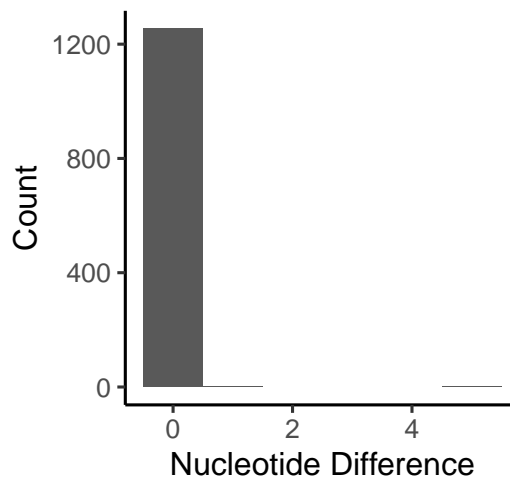
TRBV21-1*ap01

5360 sequences assigned
5285 (98.6%) exact matches, in which:
5270 unique CDR3
13 unique J



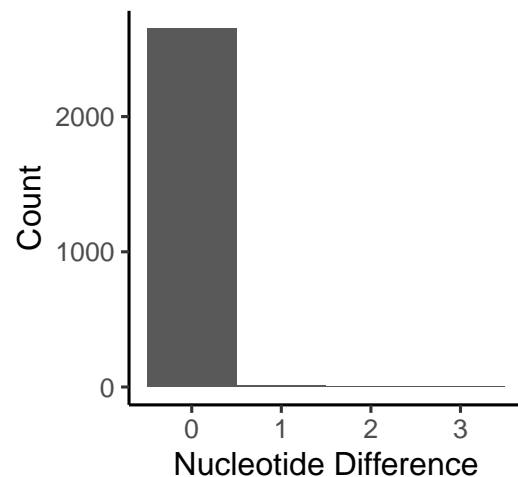
TRBV11-3*ap01

1258 sequences assigned
1254 (99.7%) exact matches, in which:
1252 unique CDR3
13 unique J



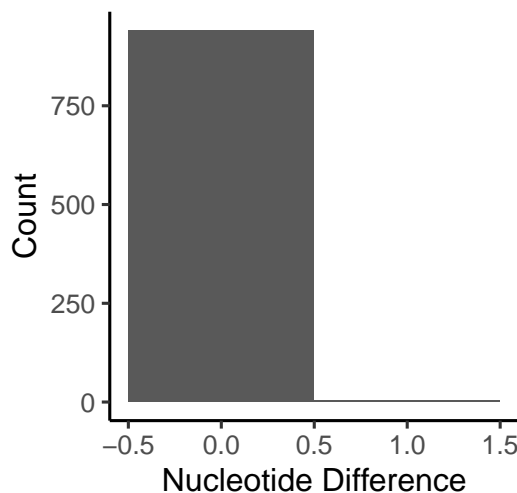
TRBV12-5*ap01

2665 sequences assigned
2650 (99.4%) exact matches, in which:
2626 unique CDR3
13 unique J



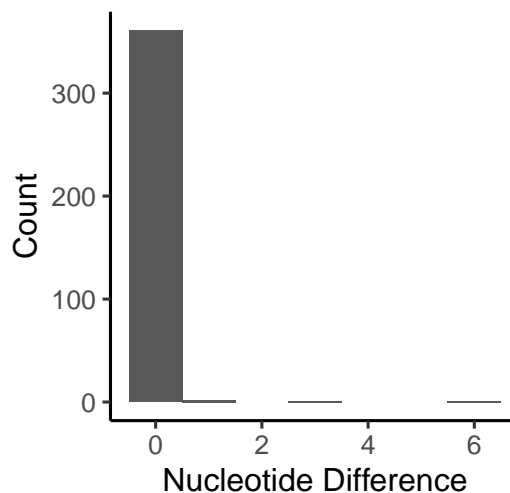
TRBV11-1*ap01

944 sequences assigned
941 (99.7%) exact matches, in which:
941 unique CDR3
13 unique J



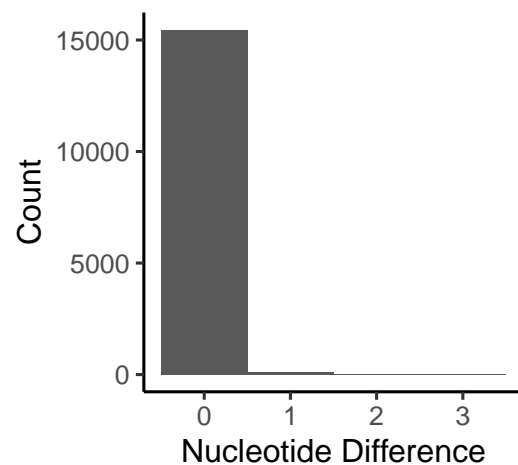
TRBV12-1*ap01

365 sequences assigned
361 (98.9%) exact matches, in which:
360 unique CDR3
13 unique J



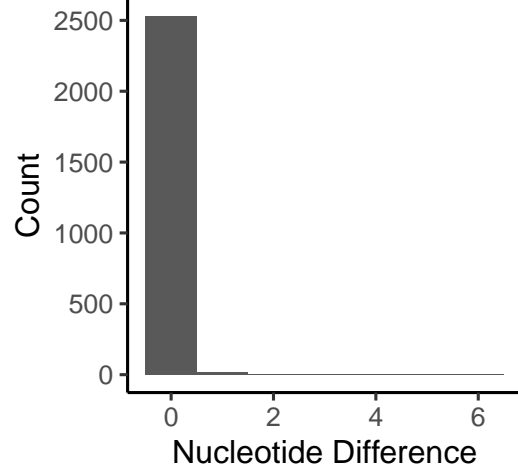
TRBV12-34*ap01

15568 sequences assigned
15458 (99.3%) exact matches, in which:
15326 unique CDR3
13 unique J



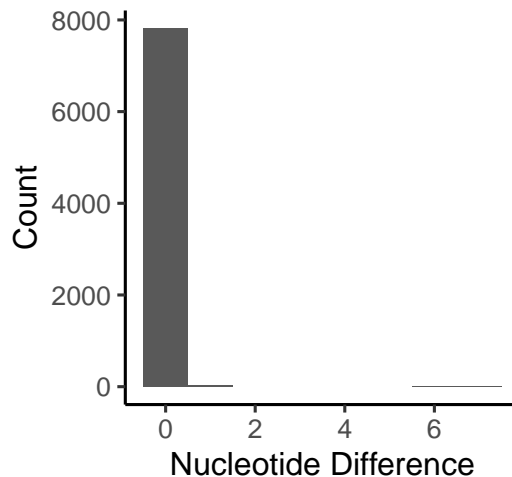
TRBV23–1*ap01

2558 sequences assigned
2528 (98.8%) exact matches, in which:
2514 unique CDR3
13 unique J



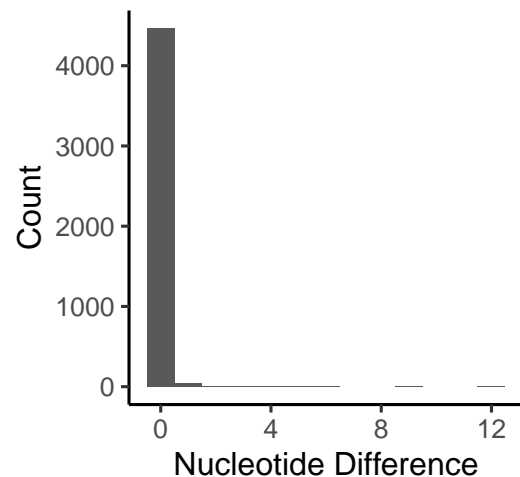
TRBV4–1*ap01

7856 sequences assigned
7815 (99.5%) exact matches, in which:
7747 unique CDR3
13 unique J



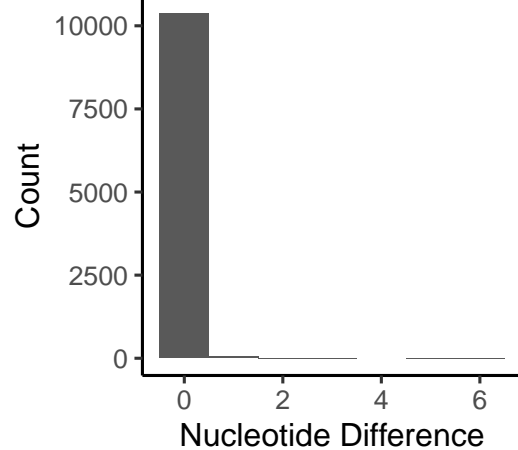
TRBV25–1*ap01

4516 sequences assigned
4465 (98.9%) exact matches, in which:
4416 unique CDR3
13 unique J



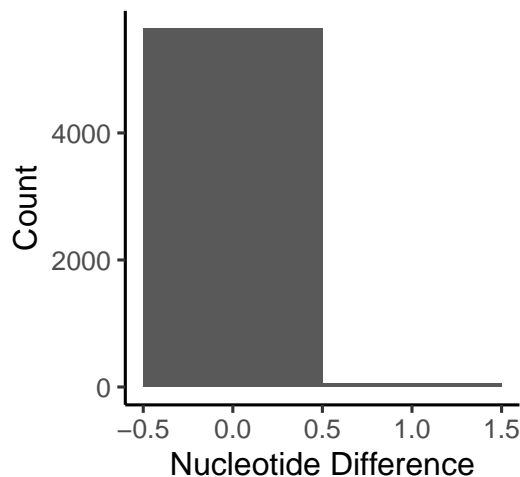
TRBV3–12*ap01

10434 sequences assigned
10371 (99.4%) exact matches, in which:
10329 unique CDR3
13 unique J



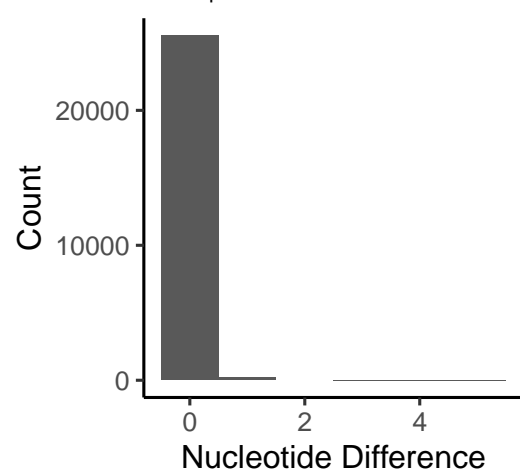
TRBV4–2*ap01

5690 sequences assigned
5641 (99.1%) exact matches, in which:
5596 unique CDR3
13 unique J



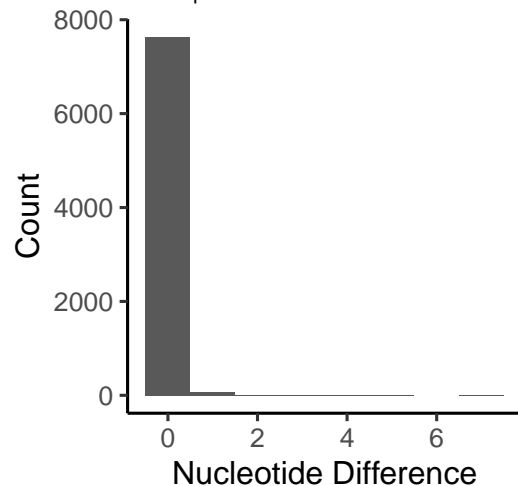
TRBV5–1*ap01

25751 sequences assigned
25549 (99.2%) exact matches, in which:
25363 unique CDR3
13 unique J



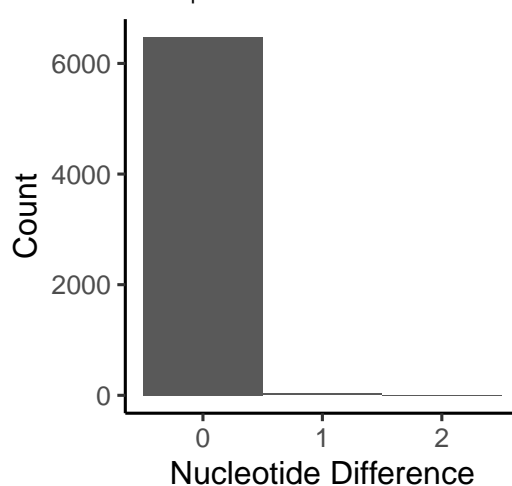
TRBV24–1*ap01

7712 sequences assigned
7631 (98.9%) exact matches, in which:
7573 unique CDR3
13 unique J



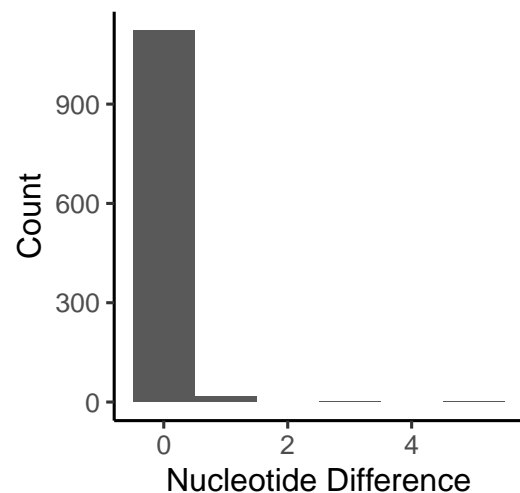
TRBV4–3*ap01

6514 sequences assigned
6477 (99.4%) exact matches, in which:
6434 unique CDR3
13 unique J



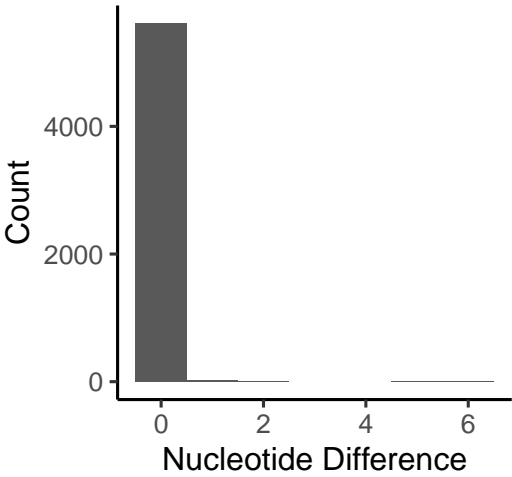
TRBV5–3*ap01

1142 sequences assigned
1123 (98.3%) exact matches, in which:
1118 unique CDR3
13 unique J



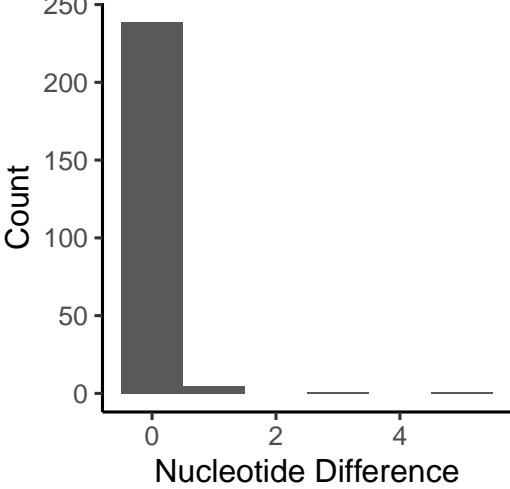
TRBV5-4*ap01

5646 sequences assigned
5613 (99.4%) exact matches, in which:
5560 unique CDR3
13 unique J



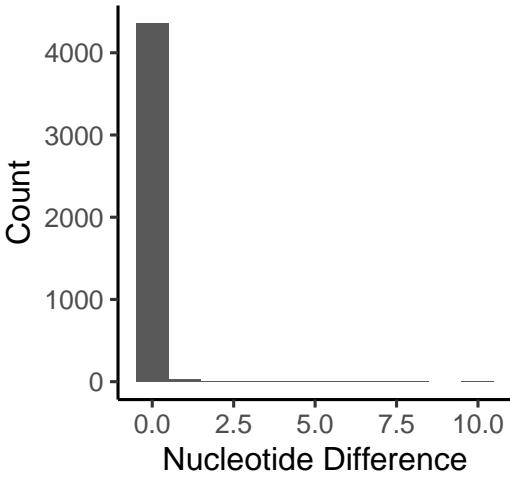
TRBV5-7*ap01

246 sequences assigned
239 (97.2%) exact matches, in which:
235 unique CDR3
13 unique J



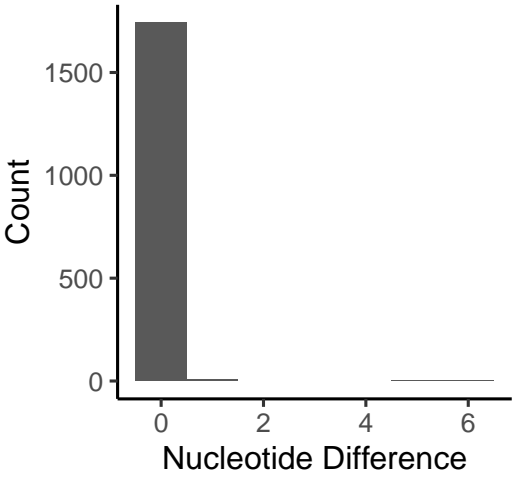
TRBV6-4*ap01

4405 sequences assigned
4357 (98.9%) exact matches, in which:
4330 unique CDR3
13 unique J



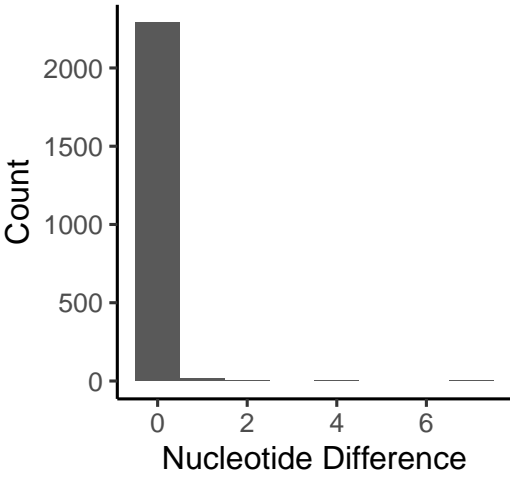
TRBV5-5*ap01

1752 sequences assigned
1742 (99.4%) exact matches, in which:
1735 unique CDR3
14 unique J



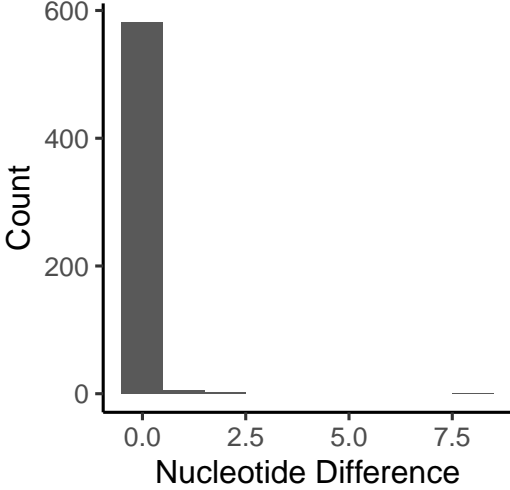
TRBV5-8*ap01

2306 sequences assigned
2289 (99.3%) exact matches, in which:
2275 unique CDR3
13 unique J



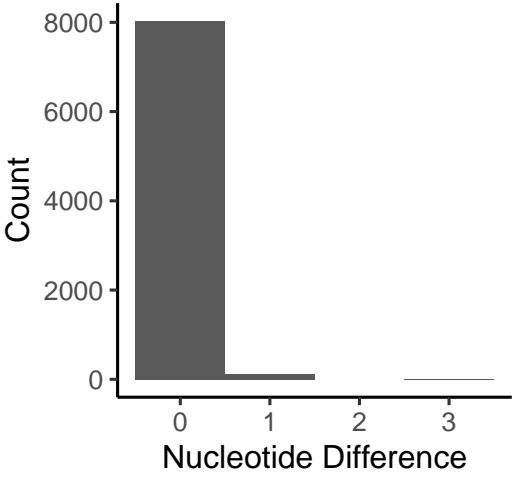
TRBV6-7*ap01

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



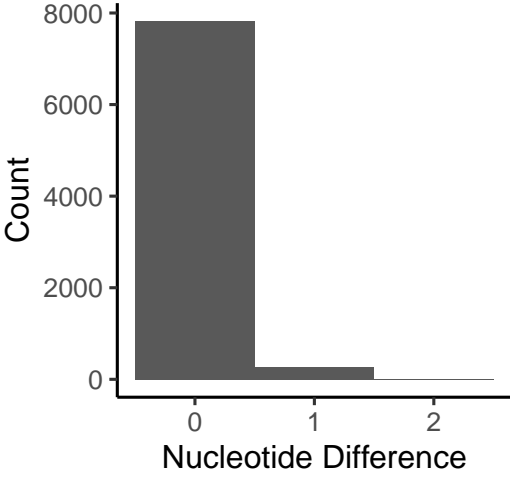
TRBV5-6*ap01

8148 sequences assigned
8029 (98.5%) exact matches, in which:
7925 unique CDR3
13 unique J



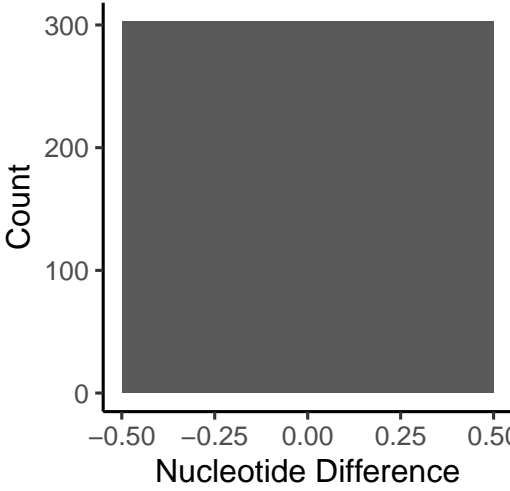
TRBV6-1*ap01

8099 sequences assigned
7824 (96.6%) exact matches, in which:
7748 unique CDR3
14 unique J



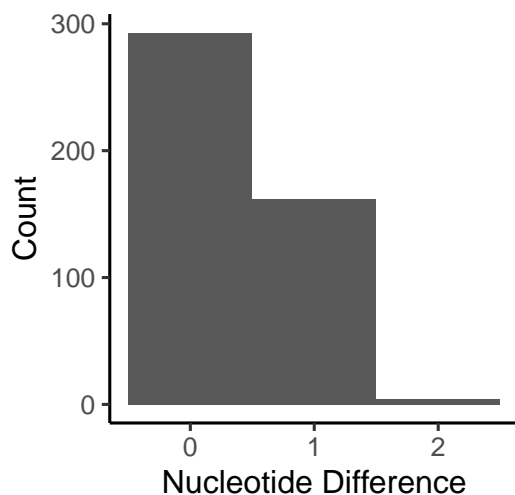
TRBV6-8*ap01

303 sequences assigned
303 (100%) exact matches, in which:
300 unique CDR3
13 unique J



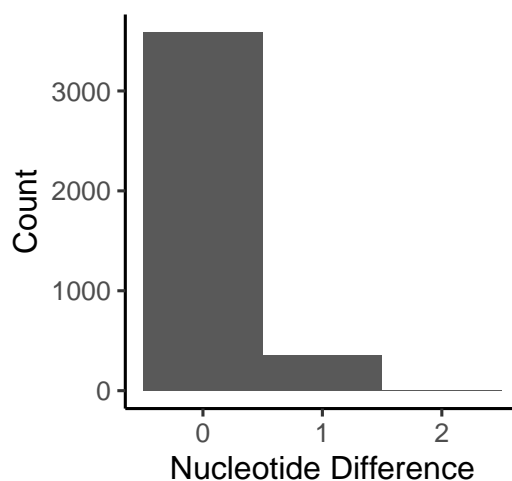
TRBV6-9*ap01

459 sequences assigned
293 (63.8%) exact matches, in which:
289 unique CDR3
13 unique J



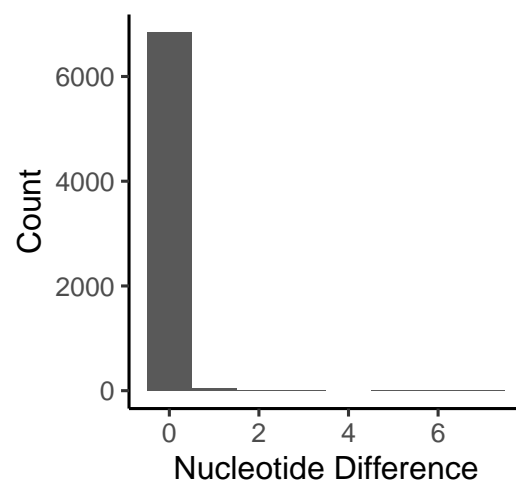
TRBV6-56*ap02

3940 sequences assigned
3586 (91%) exact matches, in which:
3543 unique CDR3
13 unique J



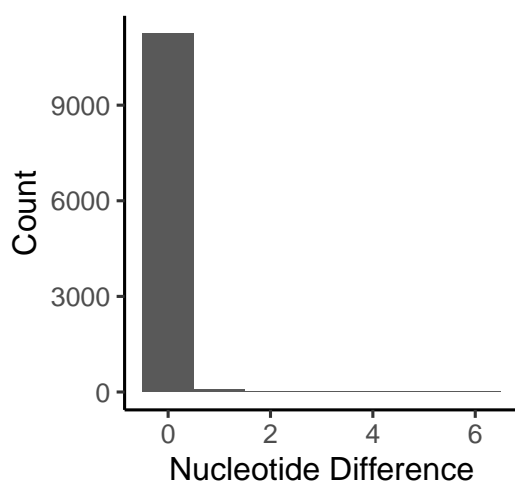
TRBV7-3*ap01

6896 sequences assigned
6842 (99.2%) exact matches, in which:
6823 unique CDR3
13 unique J



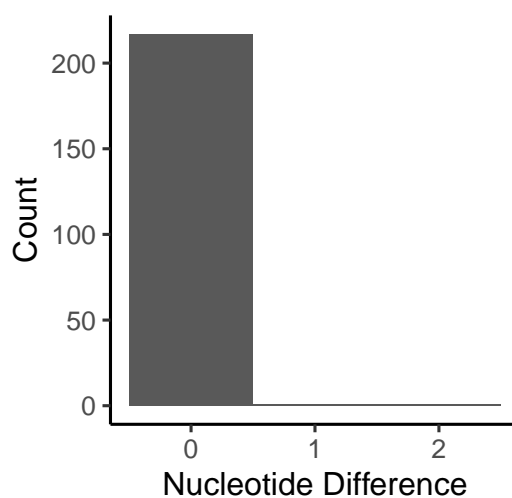
TRBV6-23*ap01

11339 sequences assigned
11242 (99.1%) exact matches, in which:
11114 unique CDR3
13 unique J



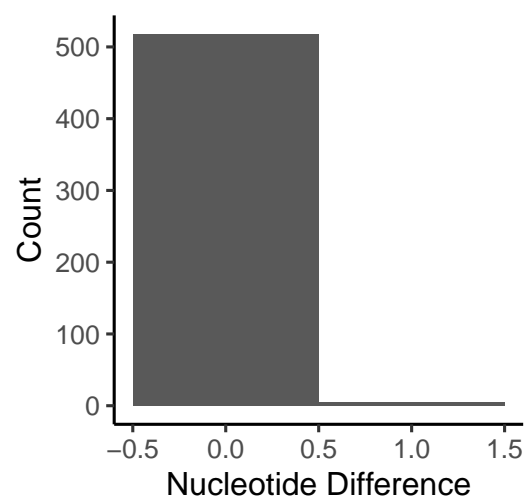
TRBV7-1*ap01_G291C_

219 sequences assigned
217 (99.1%) exact matches, in which:
217 unique CDR3
13 unique J



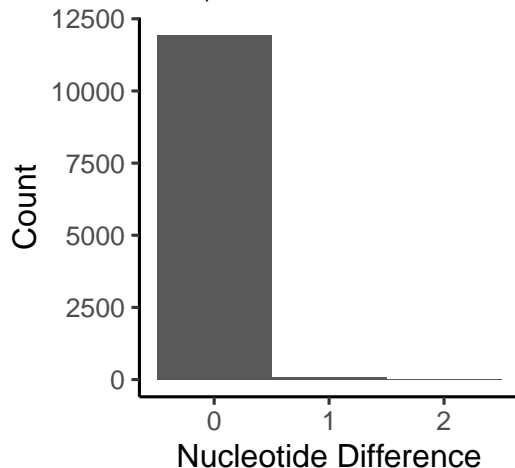
TRBV7-4*ap01

523 sequences assigned
518 (99%) exact matches, in which:
515 unique CDR3
13 unique J



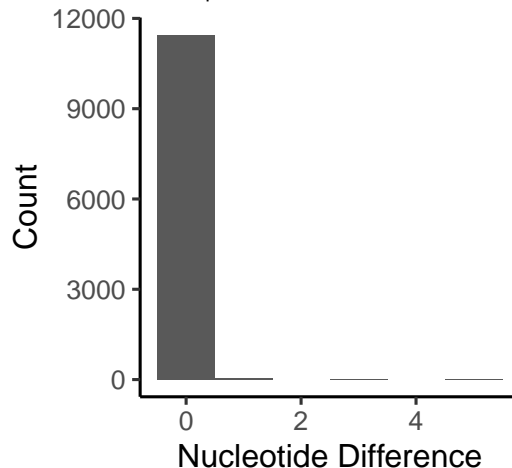
TRBV6-56*ap01

12046 sequences assigned
11946 (99.2%) exact matches, in which:
11806 unique CDR3
13 unique J



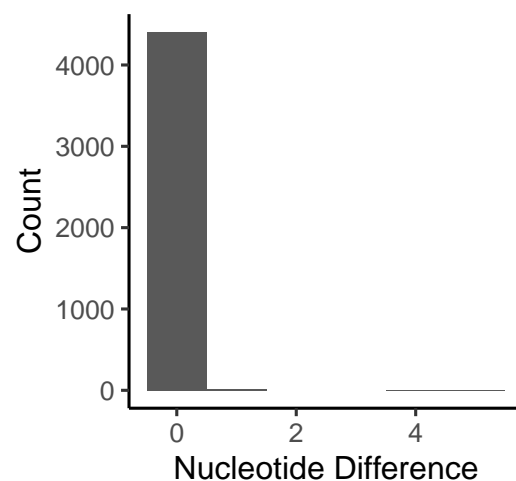
TRBV7-2*ap01

11494 sequences assigned
11455 (99.7%) exact matches, in which:
11394 unique CDR3
13 unique J



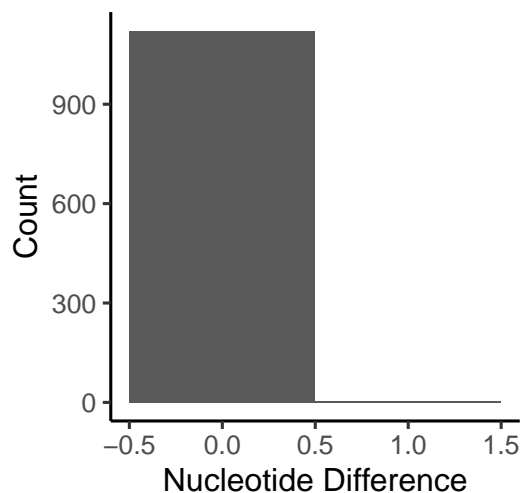
TRBV7-6*ap01

4421 sequences assigned
4405 (99.6%) exact matches, in which:
4385 unique CDR3
13 unique J



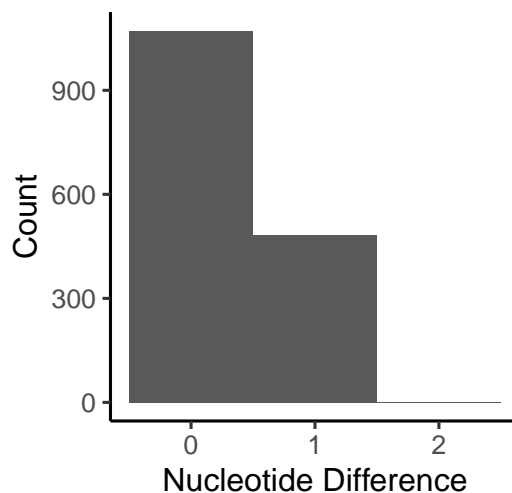
TRBV7-7*ap01

1127 sequences assigned
1122 (99.6%) exact matches, in which:
1112 unique CDR3
13 unique J



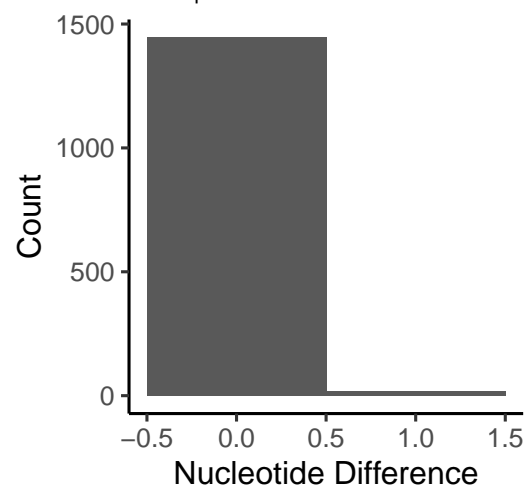
TRBV7-8*ap03

1555 sequences assigned
1072 (68.9%) exact matches, in which:
1069 unique CDR3
13 unique J



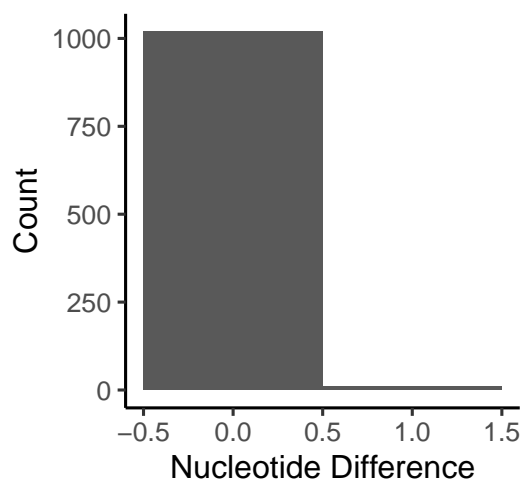
TRBV29-1*ap02

1464 sequences assigned
1446 (98.8%) exact matches, in which:
1416 unique CDR3
13 unique J



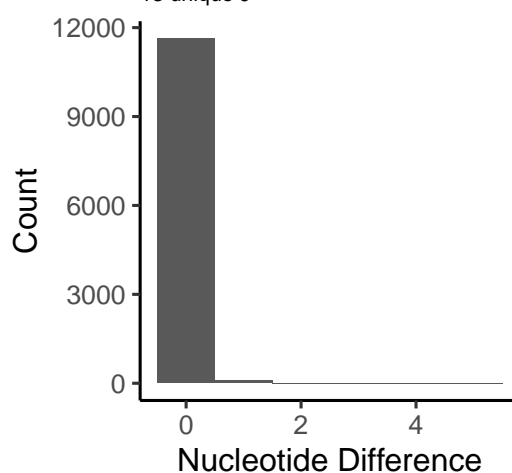
TRBV7-7*ap01_C315T

1030 sequences assigned
1019 (98.9%) exact matches, in which:
1013 unique CDR3
13 unique J



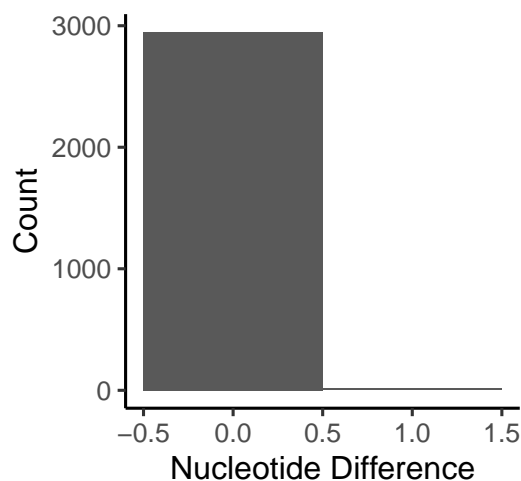
TRBV7-9*ap01

11725 sequences assigned
11634 (99.2%) exact matches, in which:
11574 unique CDR3
13 unique J



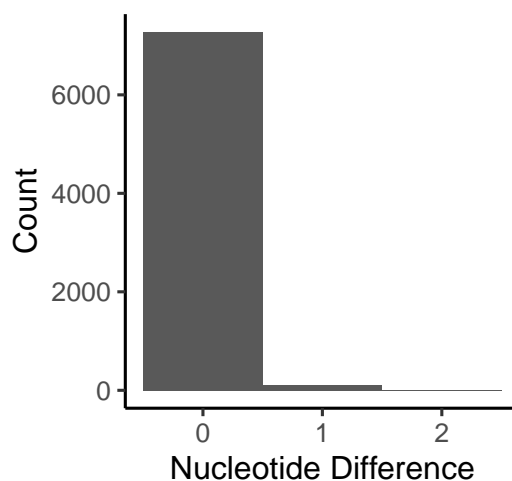
TRBV7-8*ap01

2962 sequences assigned
2948 (99.5%) exact matches, in which:
2936 unique CDR3
13 unique J

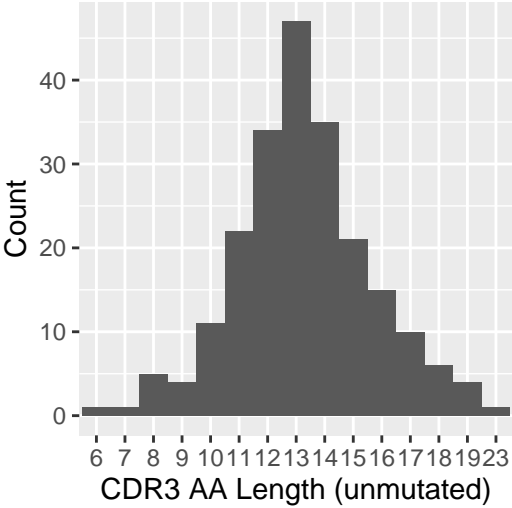


TRBV29-1*ap01

7381 sequences assigned
7275 (98.6%) exact matches, in which:
7148 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

