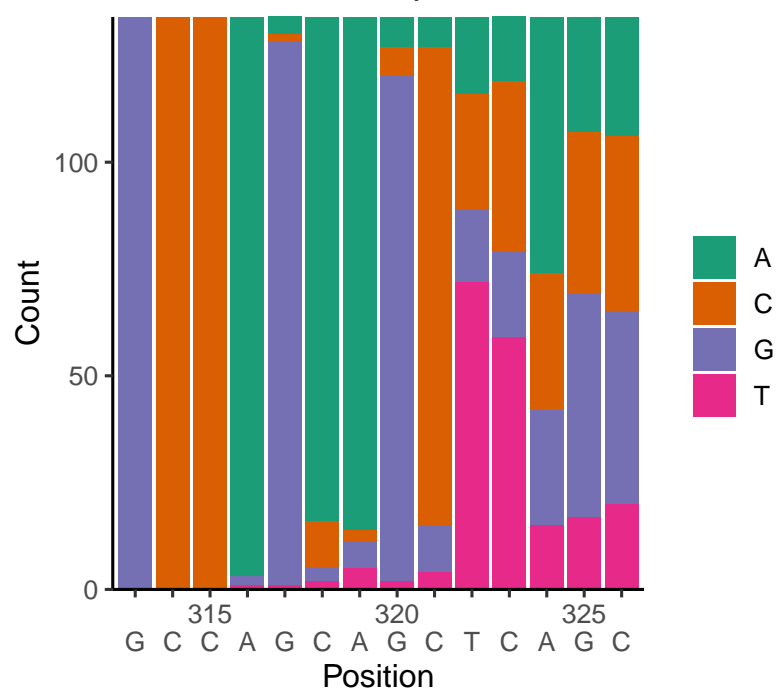
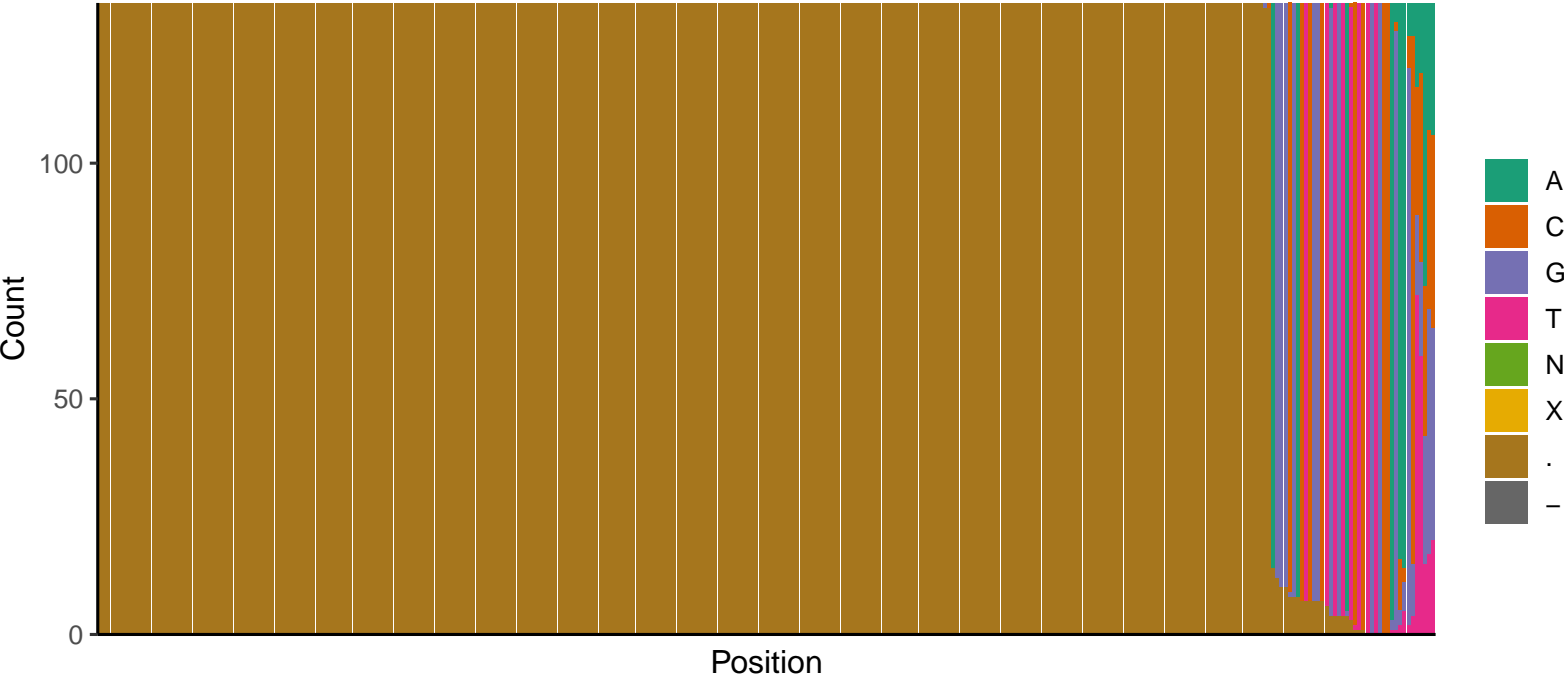


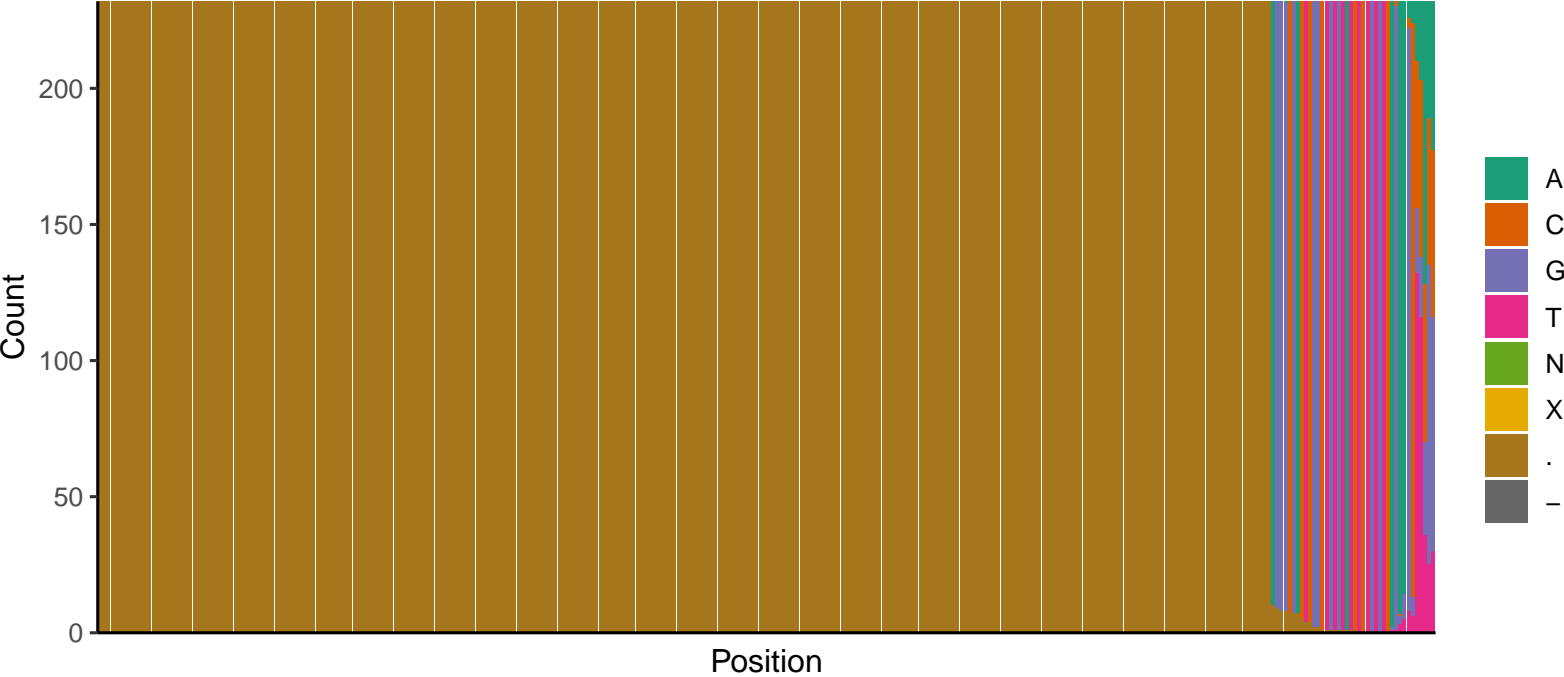
Gene TRBV7-1*ap01_G291C_T296C



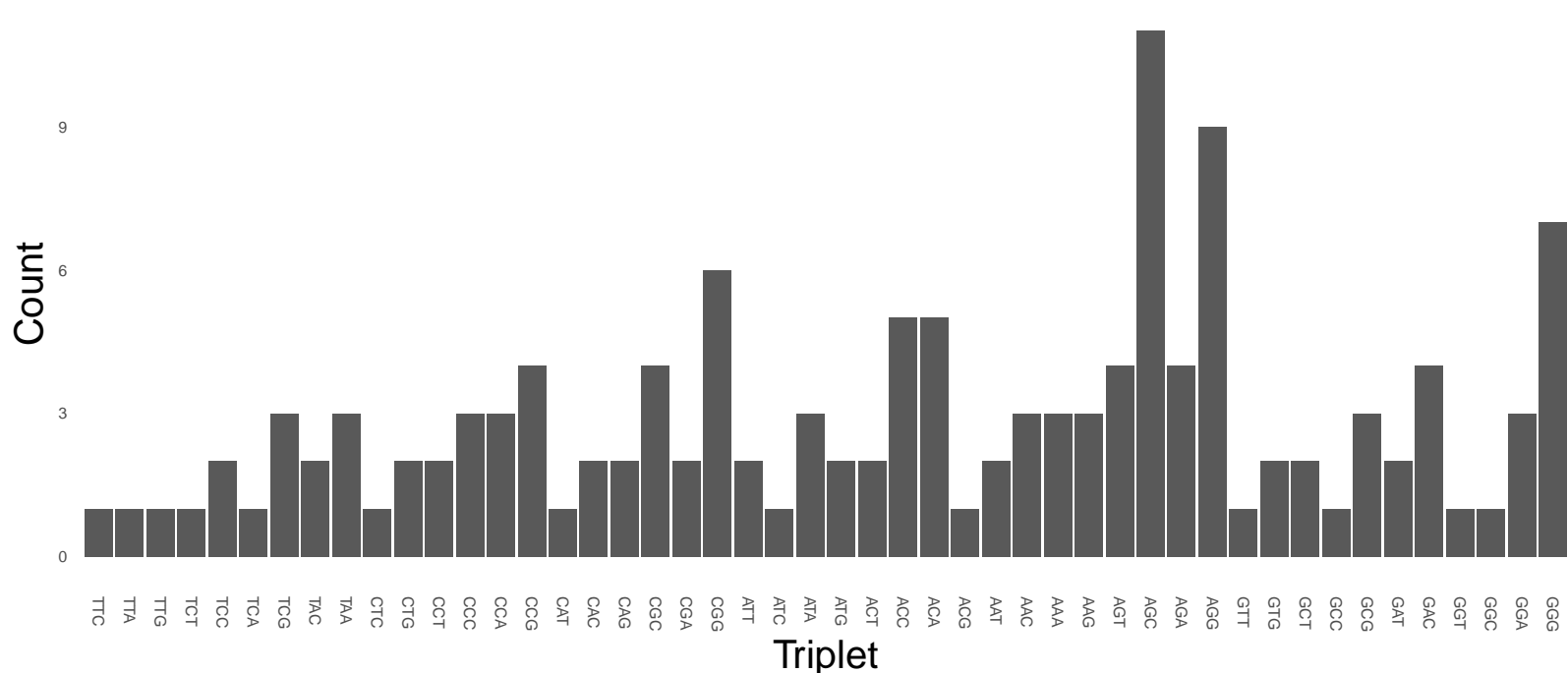
Gene TRBV7-1*ap01_G291C_T296C



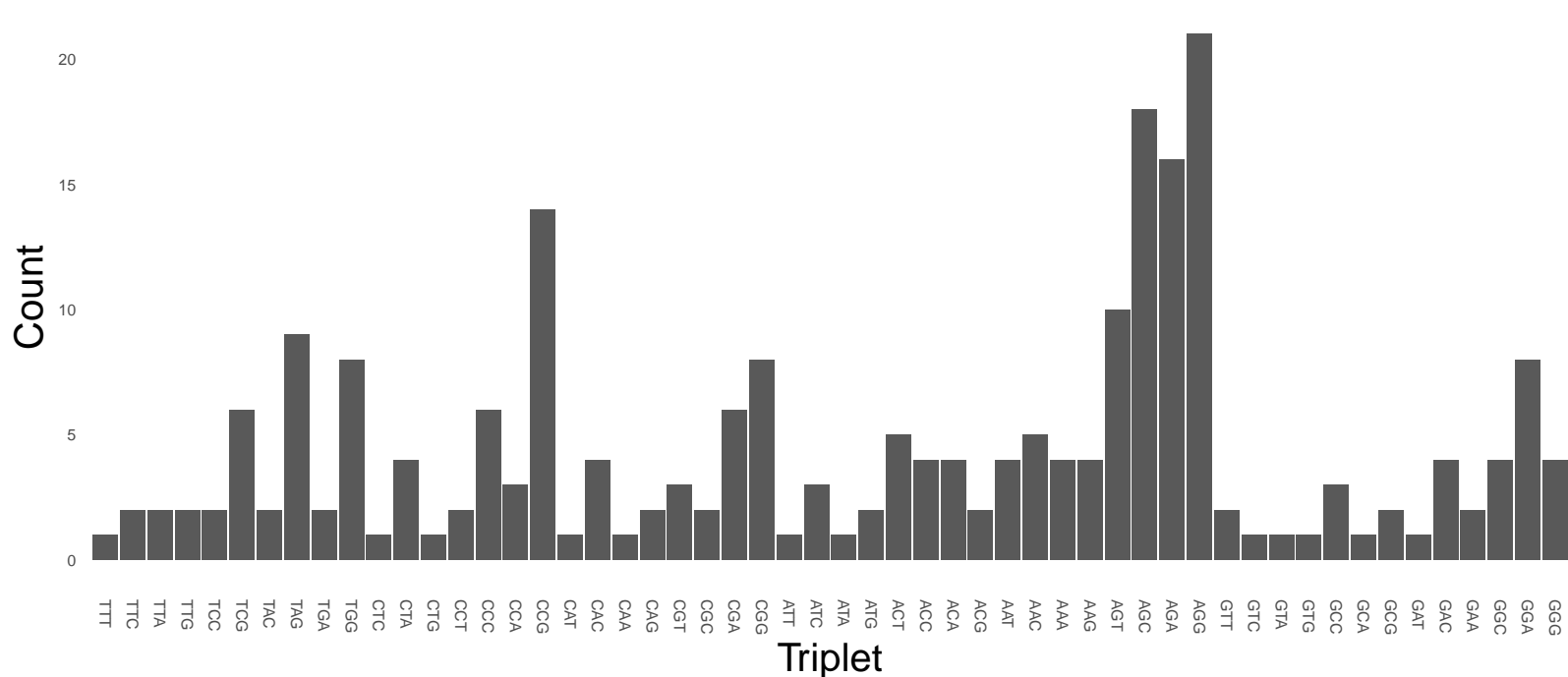
Gene TRBV7-1*ap01_G291C_T296C_C314T



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

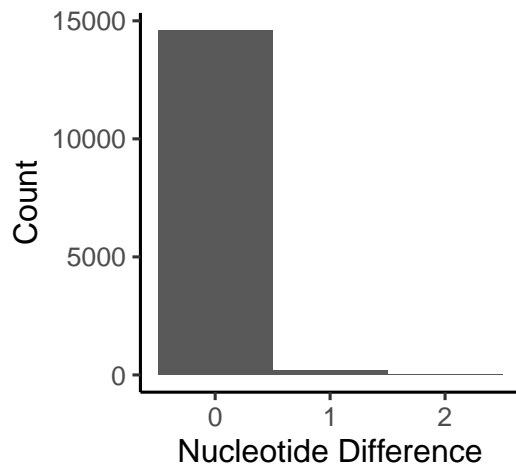


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



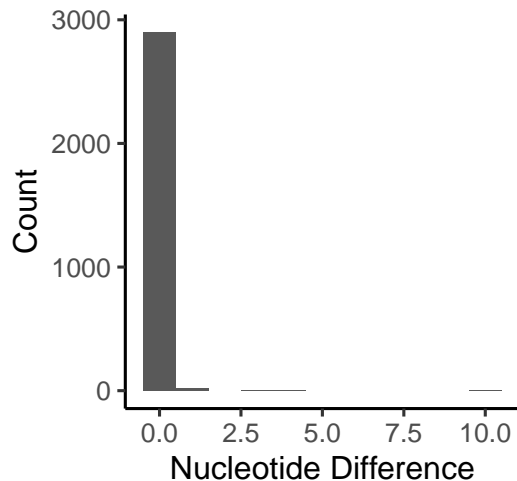
TRBV20-1*ap01

14789 sequences assigned
14605 (98.8%) exact matches, in which:
14373 unique CDR3
13 unique J



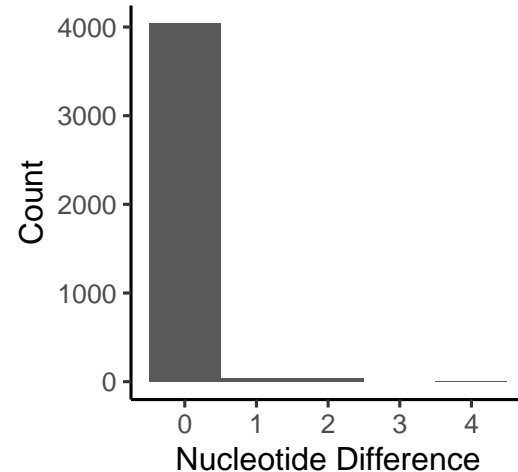
TRBV10-2*ap01

2921 sequences assigned
2898 (99.2%) exact matches, in which:
2849 unique CDR3
13 unique J



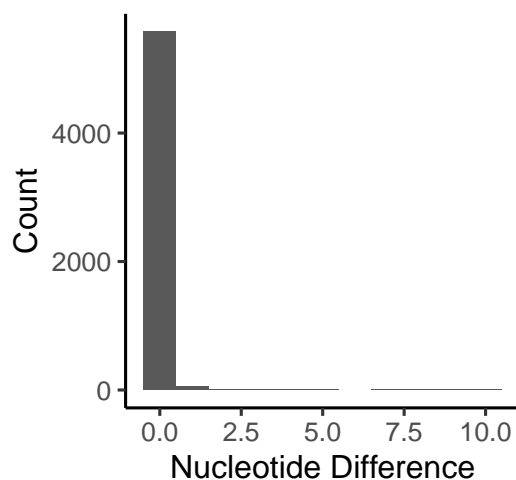
TRBV13*ap01

4127 sequences assigned
4041 (97.9%) exact matches, in which:
3927 unique CDR3
13 unique J



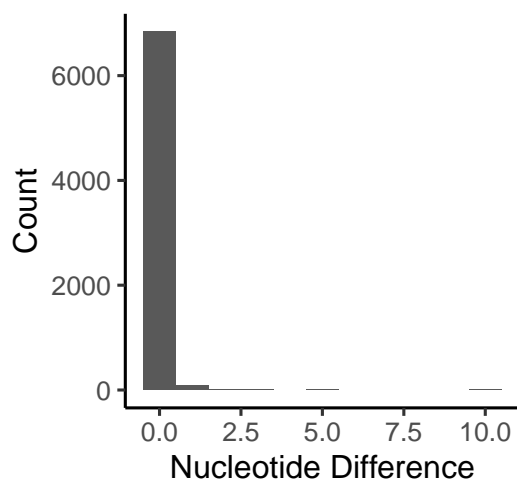
TRBV10-1*ap01

5643 sequences assigned
5577 (98.8%) exact matches, in which:
5465 unique CDR3
13 unique J



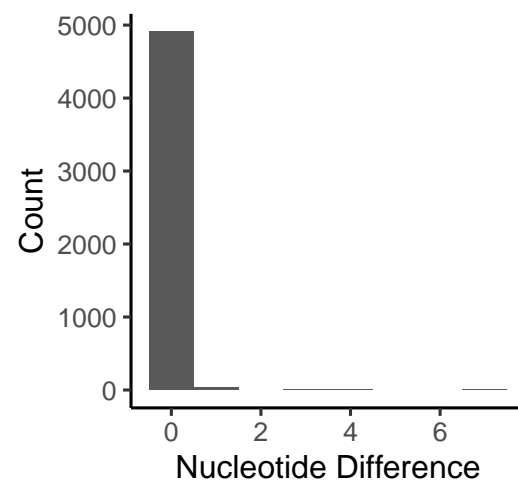
TRBV10-3*ap01

6928 sequences assigned
6838 (98.7%) exact matches, in which:
6705 unique CDR3
13 unique J



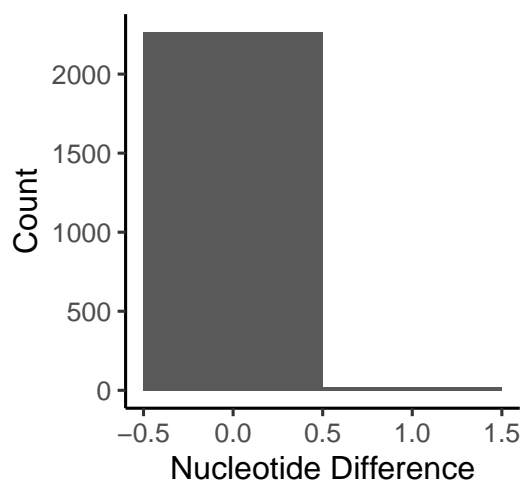
TRBV14*ap01

4946 sequences assigned
4909 (99.3%) exact matches, in which:
4847 unique CDR3
13 unique J



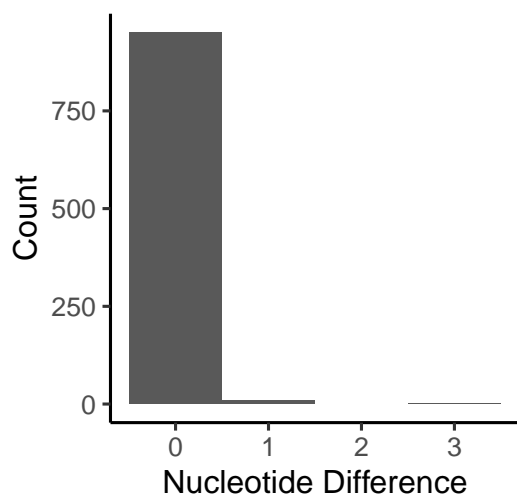
TRBV20-1*ap02

2287 sequences assigned
2266 (99.1%) exact matches, in which:
2234 unique CDR3
13 unique J



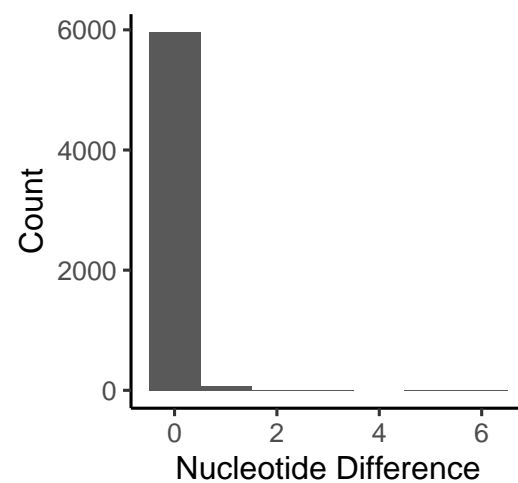
TRBV1*ap01

961 sequences assigned
951 (99%) exact matches, in which:
925 unique CDR3
13 unique J



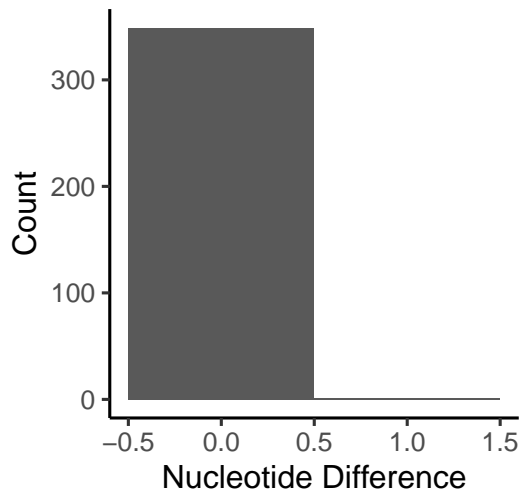
TRBV15*ap02

6041 sequences assigned
5963 (98.7%) exact matches, in which:
5842 unique CDR3
13 unique J



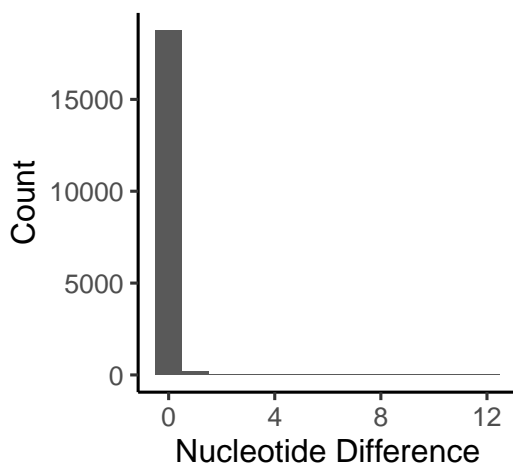
TRBV16*ap01

350 sequences assigned
349 (99.7%) exact matches, in which:
348 unique CDR3
13 unique J



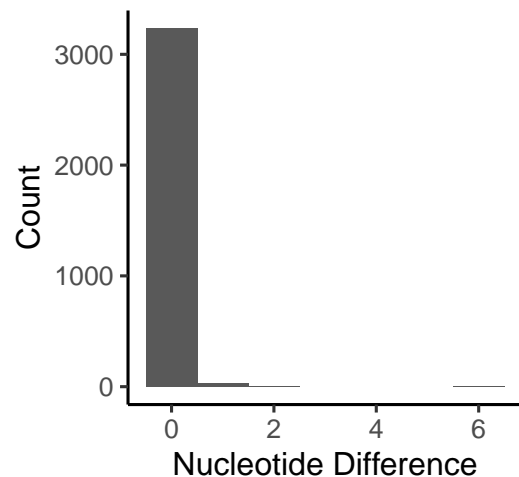
TRBV19*ap01

18976 sequences assigned
18769 (98.9%) exact matches, in which:
18586 unique CDR3
13 unique J



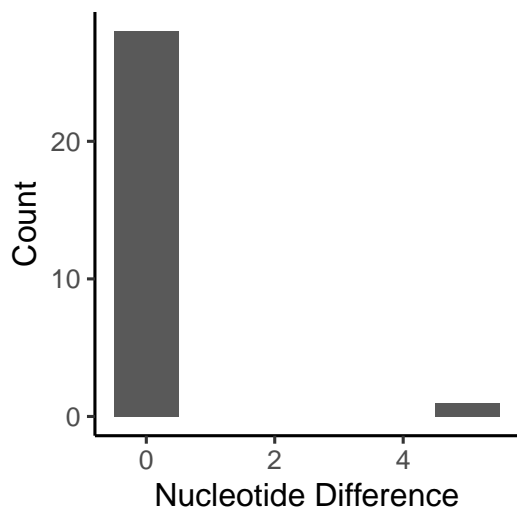
TRBV28*ap01

3269 sequences assigned
3234 (98.9%) exact matches, in which:
3186 unique CDR3
13 unique J



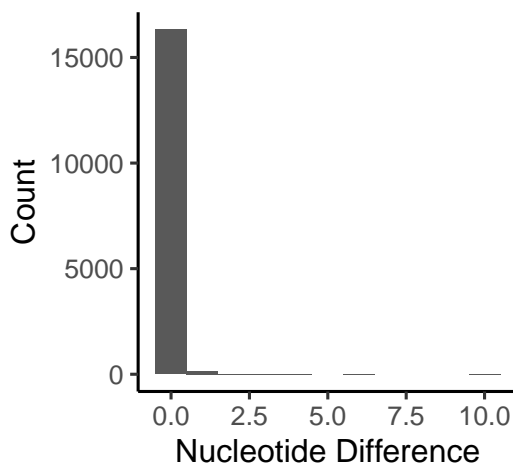
TRBV17*ap01

29 sequences assigned
28 (96.6%) exact matches, in which:
28 unique CDR3
10 unique J



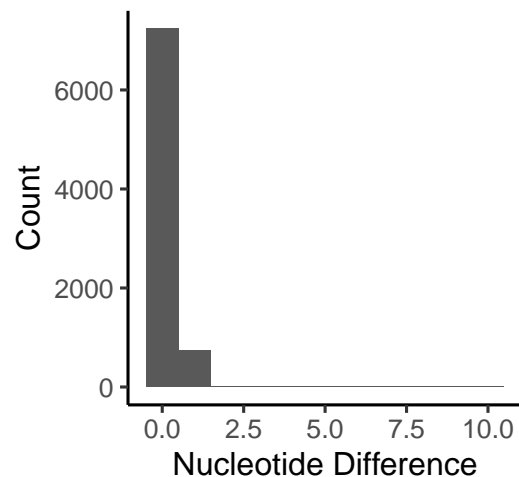
TRBV2*ap01

16504 sequences assigned
16326 (98.9%) exact matches, in which:
16035 unique CDR3
13 unique J



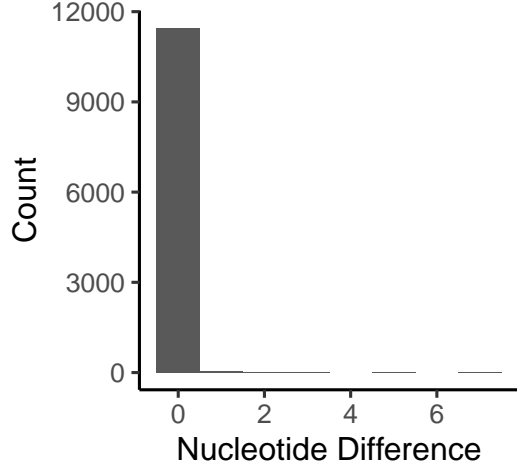
TRBV30*ap01

7998 sequences assigned
7237 (90.5%) exact matches, in which:
7151 unique CDR3
13 unique J



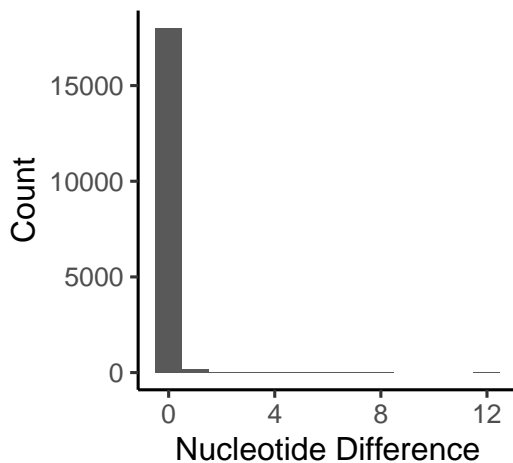
TRBV18*ap01

11515 sequences assigned
11464 (99.6%) exact matches, in which:
11362 unique CDR3
13 unique J



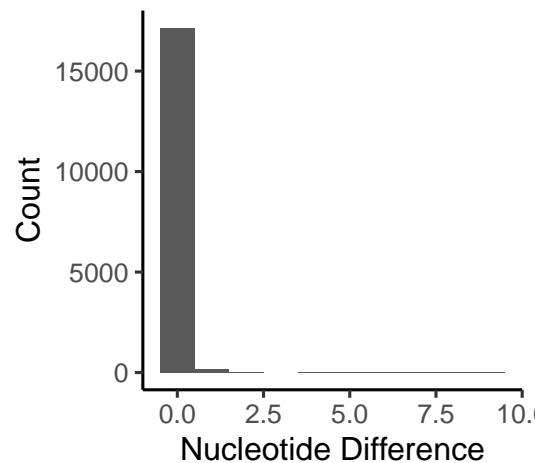
TRBV27*ap01

18230 sequences assigned
18021 (98.9%) exact matches, in which:
17615 unique CDR3
13 unique J



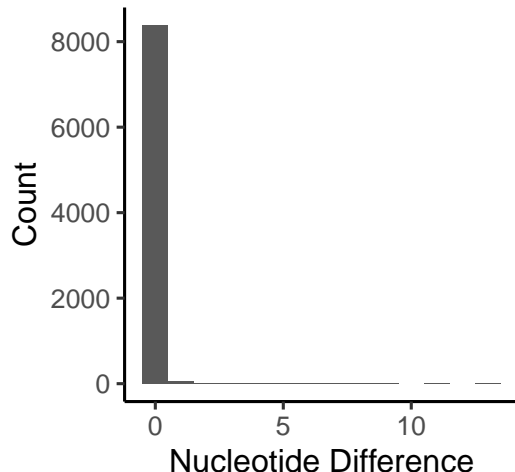
TRBV9*ap01

17335 sequences assigned
17153 (99%) exact matches, in which:
16866 unique CDR3
13 unique J



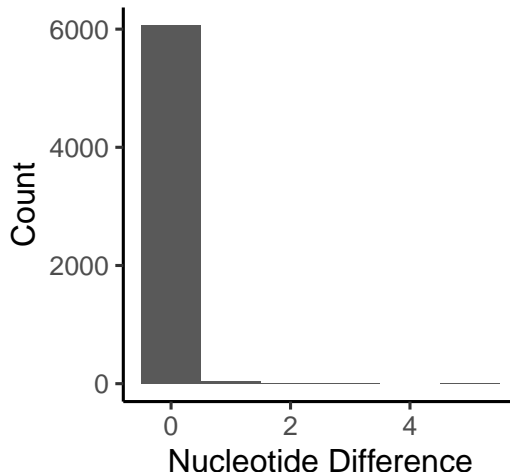
TRBV21-1*ap01

8496 sequences assigned
8380 (98.6%) exact matches, in which:
8272 unique CDR3
13 unique J



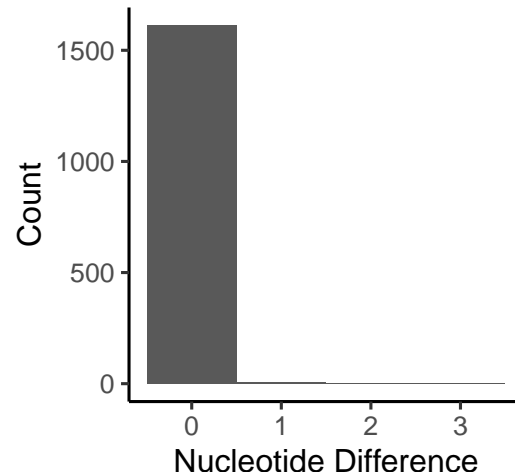
TRBV11-3*ap01

6120 sequences assigned
6063 (99.1%) exact matches, in which:
5965 unique CDR3
13 unique J



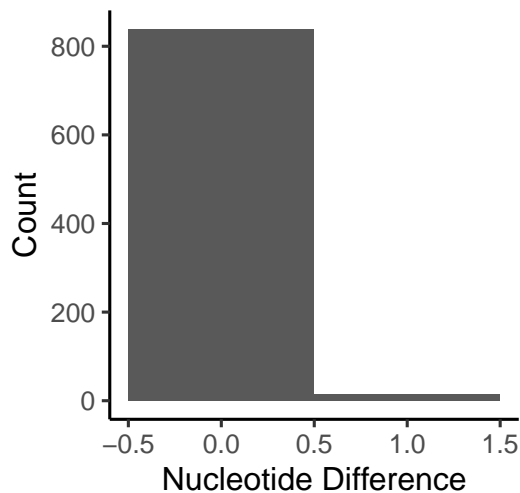
TRBV12-5*ap01

1622 sequences assigned
1612 (99.4%) exact matches, in which:
1581 unique CDR3
13 unique J



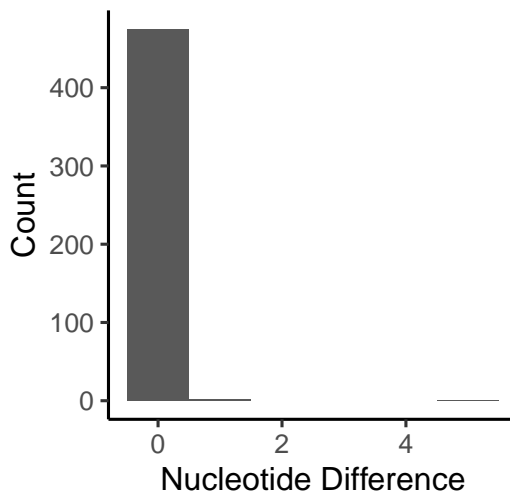
TRBV11-1*ap01

853 sequences assigned
839 (98.4%) exact matches, in which:
816 unique CDR3
13 unique J



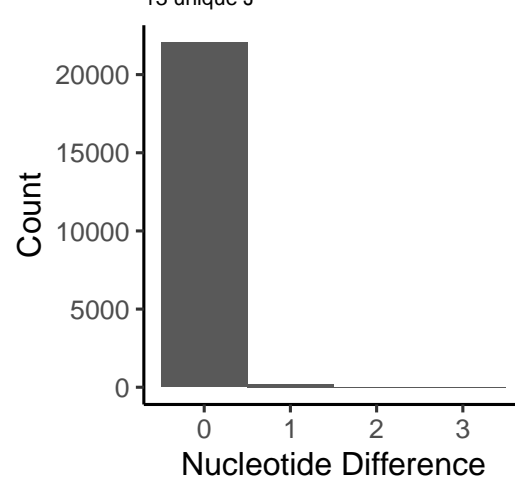
TRBV12-1*ap01

478 sequences assigned
475 (99.4%) exact matches, in which:
471 unique CDR3
13 unique J



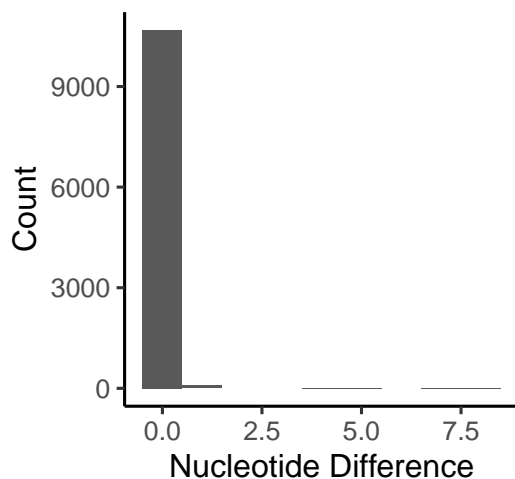
TRBV12-34*ap01

22285 sequences assigned
22056 (99%) exact matches, in which:
21652 unique CDR3
13 unique J



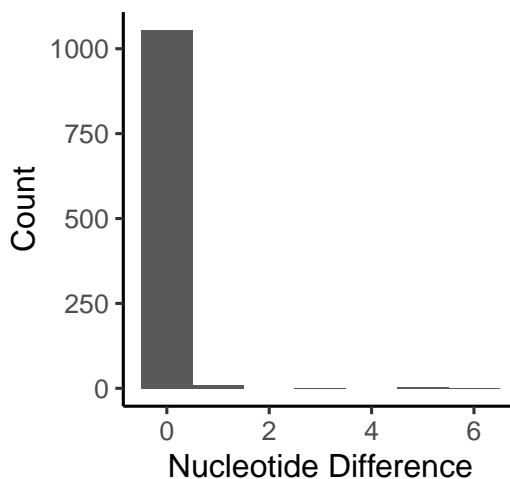
TRBV11-2*ap01

10769 sequences assigned
10684 (99.2%) exact matches, in which:
10491 unique CDR3
13 unique J



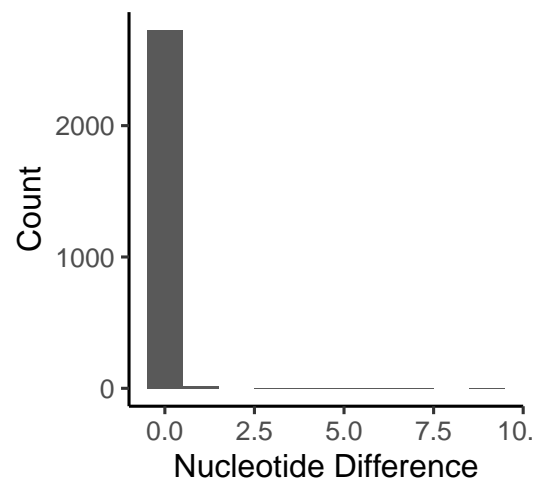
TRBV12-2*ap01

1069 sequences assigned
1055 (98.7%) exact matches, in which:
1033 unique CDR3
13 unique J



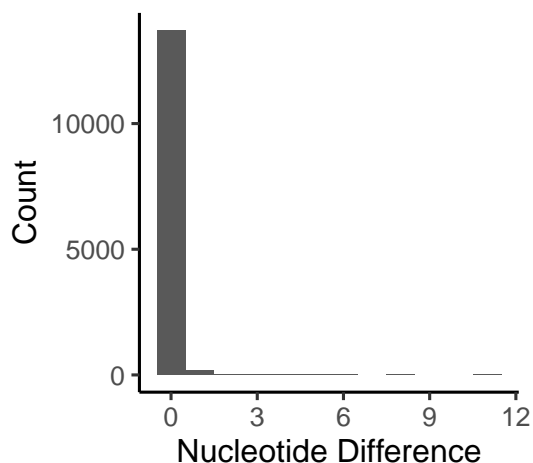
TRBV23-1*ap01

2755 sequences assigned
2728 (99%) exact matches, in which:
2686 unique CDR3
13 unique J



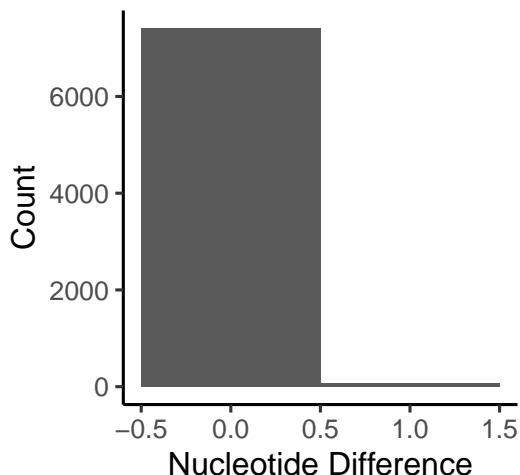
TRBV3–12*ap01

13903 sequences assigned
13716 (98.7%) exact matches, in which:
13469 unique CDR3
13 unique J



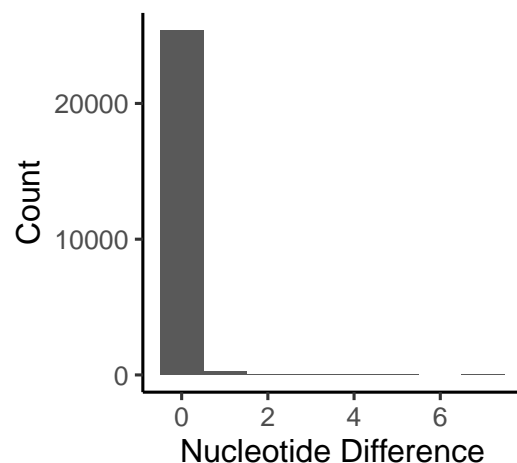
TRBV4–2*ap01

7479 sequences assigned
7407 (99%) exact matches, in which:
7272 unique CDR3
13 unique J



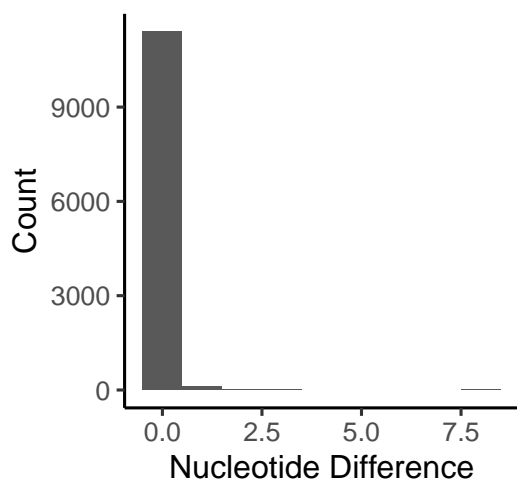
TRBV5–1*ap01

25656 sequences assigned
25400 (99%) exact matches, in which:
24860 unique CDR3
13 unique J



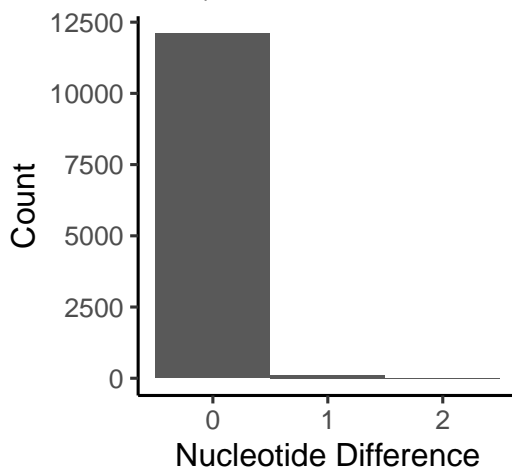
TRBV4–1*ap01

11509 sequences assigned
11397 (99%) exact matches, in which:
11173 unique CDR3
13 unique J



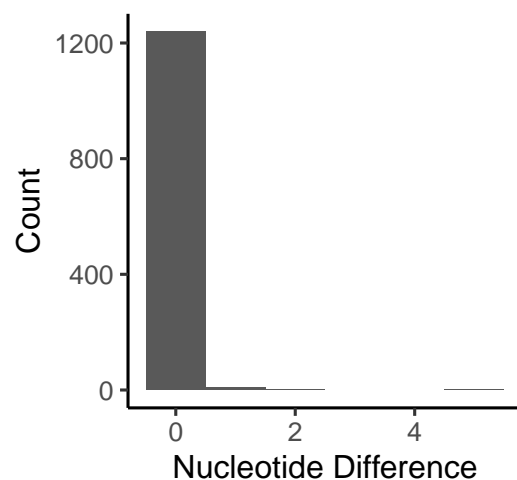
TRBV4–3*ap01

12227 sequences assigned
12103 (99%) exact matches, in which:
11901 unique CDR3
13 unique J



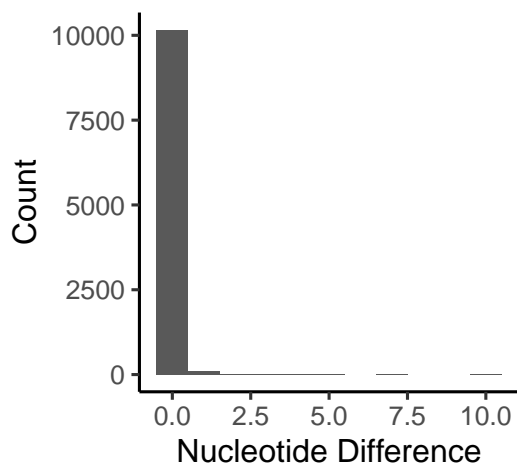
TRBV5–3*ap01

1252 sequences assigned
1239 (99%) exact matches, in which:
1223 unique CDR3
13 unique J



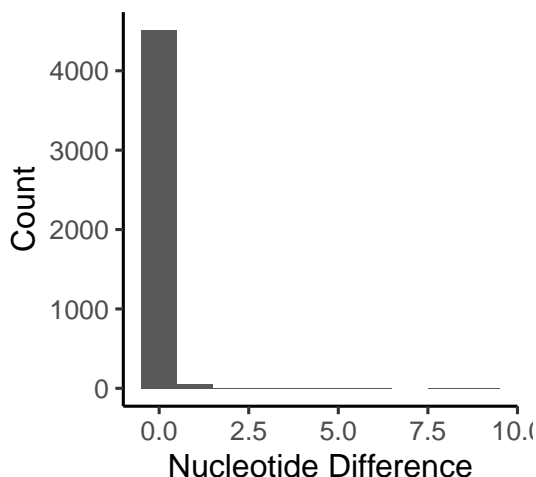
TRBV24–1*ap01

10294 sequences assigned
10163 (98.7%) exact matches, in which:
10009 unique CDR3
13 unique J



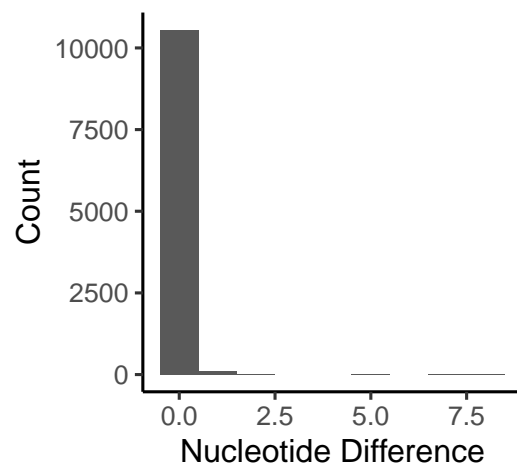
TRBV25–1*ap01

4579 sequences assigned
4513 (98.6%) exact matches, in which:
4442 unique CDR3
13 unique J



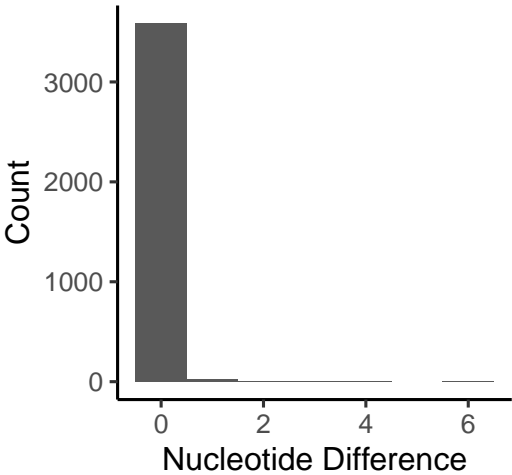
TRBV5–4*ap01

10676 sequences assigned
10555 (98.9%) exact matches, in which:
10347 unique CDR3
13 unique J



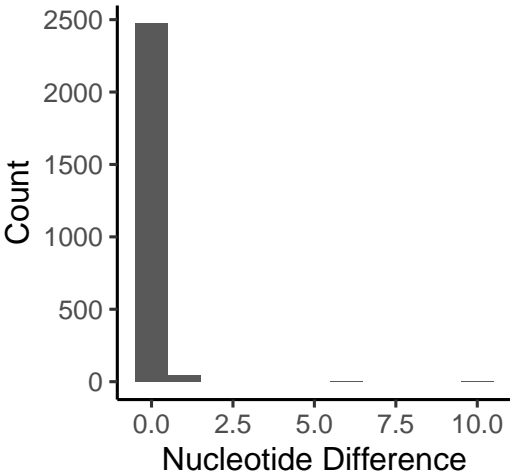
TRBV5-5*ap01

3614 sequences assigned
3586 (99.2%) exact matches, in which:
3555 unique CDR3
13 unique J



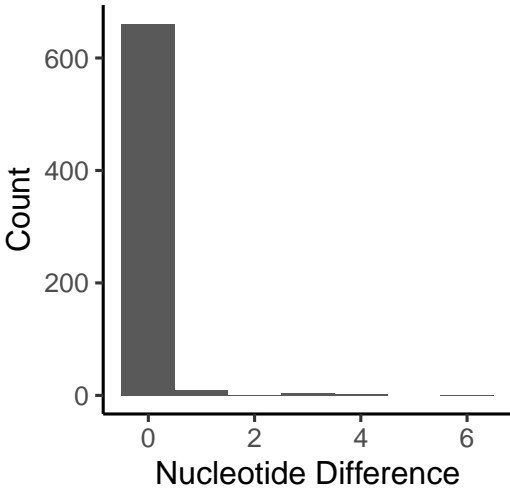
TRBV5-8*ap01

2519 sequences assigned
2474 (98.2%) exact matches, in which:
2432 unique CDR3
13 unique J



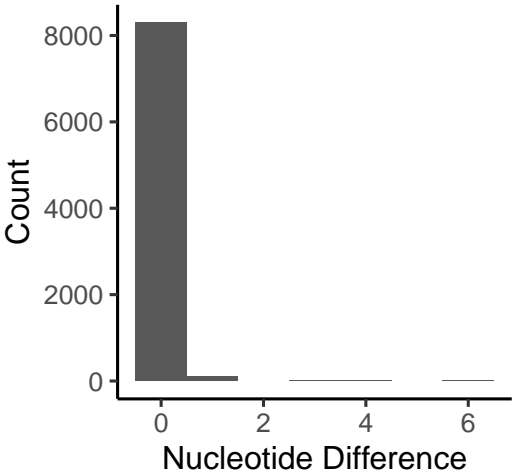
TRBV6-7*ap01

678 sequences assigned
661 (97.5%) exact matches, in which:
646 unique CDR3
13 unique J



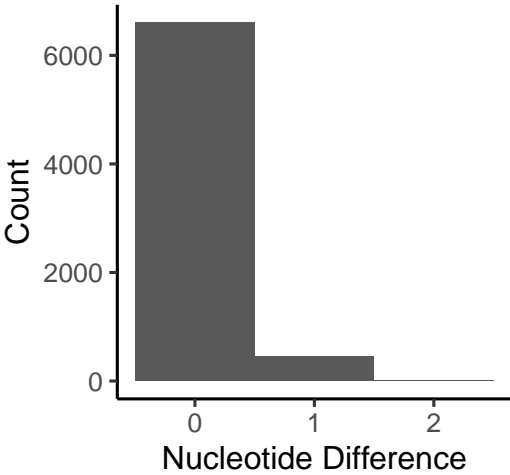
TRBV5-6*ap01

8392 sequences assigned
8296 (98.9%) exact matches, in which:
8138 unique CDR3
13 unique J



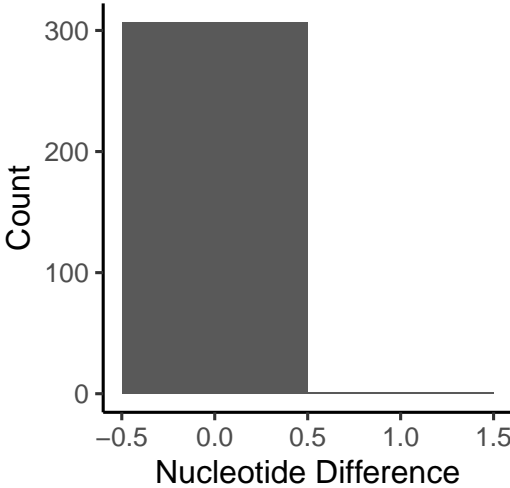
TRBV6-1*ap01

7050 sequences assigned
6602 (93.6%) exact matches, in which:
6473 unique CDR3
13 unique J



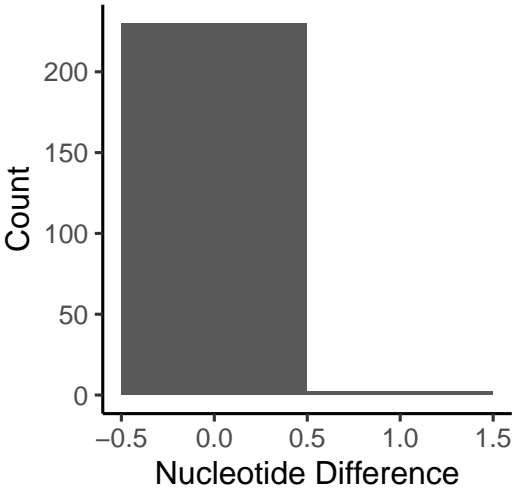
TRBV6-8*ap01

308 sequences assigned
307 (99.7%) exact matches, in which:
297 unique CDR3
13 unique J



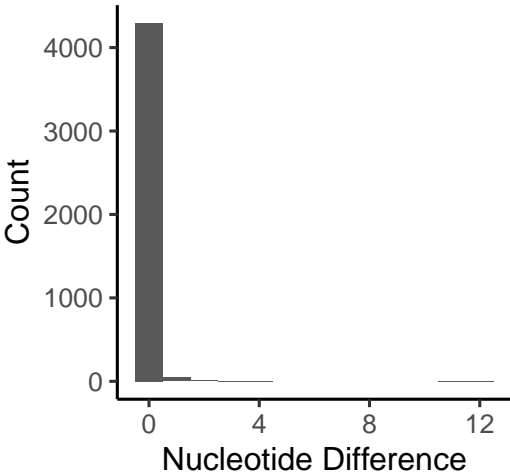
TRBV5-7*ap01

232 sequences assigned
230 (99.1%) exact matches, in which:
228 unique CDR3
13 unique J



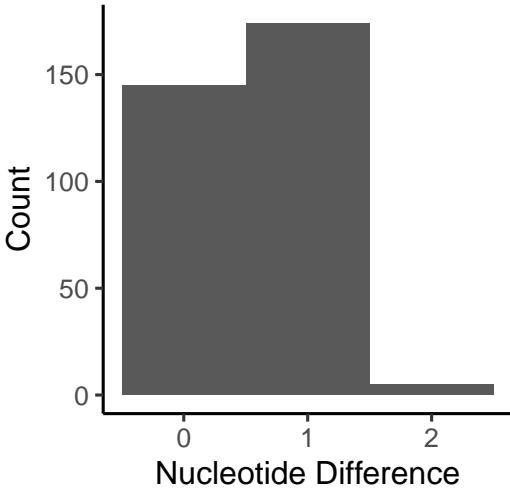
TRBV6-4*ap01

4358 sequences assigned
4294 (98.5%) exact matches, in which:
4227 unique CDR3
13 unique J



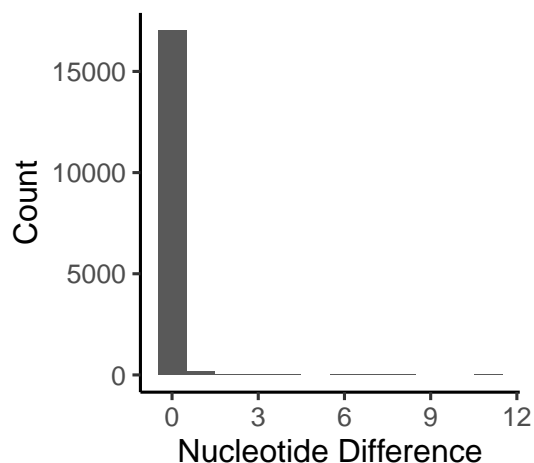
TRBV6-9*ap01

324 sequences assigned
145 (44.8%) exact matches, in which:
145 unique CDR3
13 unique J



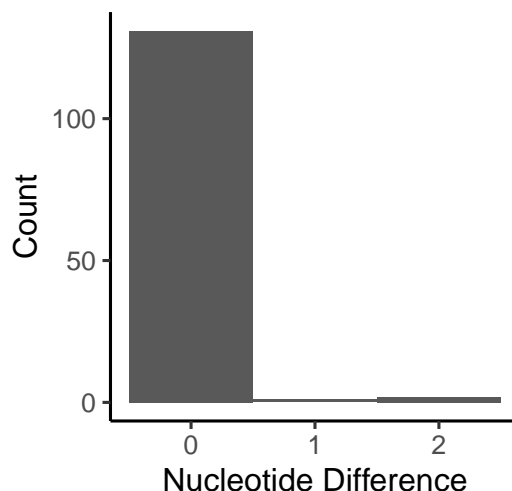
TRBV6-23*ap01

17239 sequences assigned
17041 (98.9%) exact matches, in which:
16632 unique CDR3
14 unique J



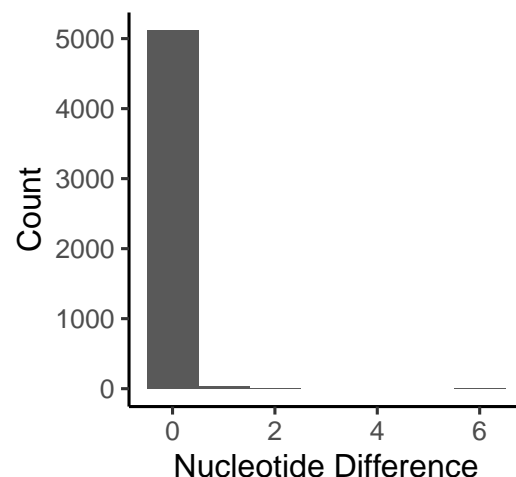
TRBV7-1*ap01_G291C_

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



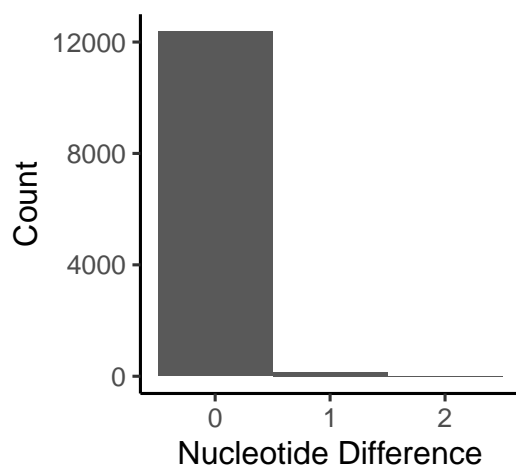
TRBV7-3*ap01

5158 sequences assigned
5117 (99.2%) exact matches, in which:
5043 unique CDR3
13 unique J



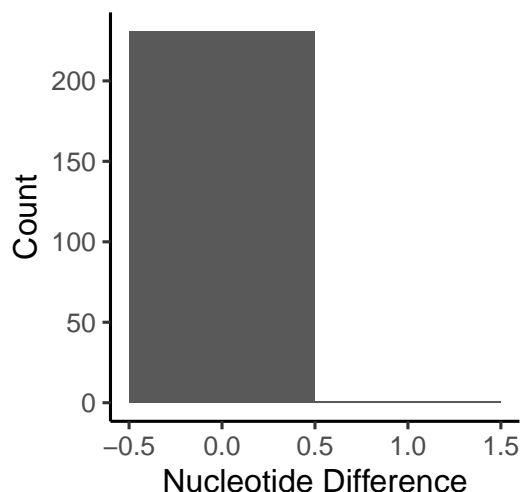
TRBV6-56*ap01

12536 sequences assigned
12379 (98.7%) exact matches, in which:
12151 unique CDR3
13 unique J



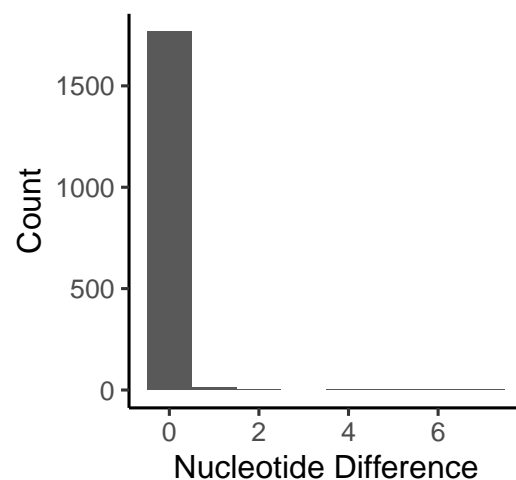
TRBV7-1*ap01_G291C_

232 sequences assigned
231 (99.6%) exact matches, in which:
225 unique CDR3
13 unique J



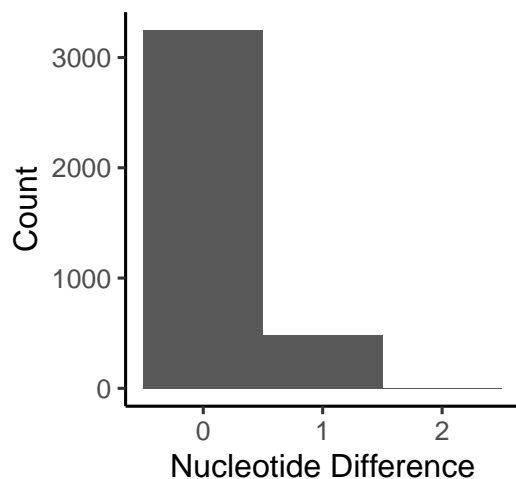
TRBV7-3*ap02

1786 sequences assigned
1767 (98.9%) exact matches, in which:
1747 unique CDR3
13 unique J



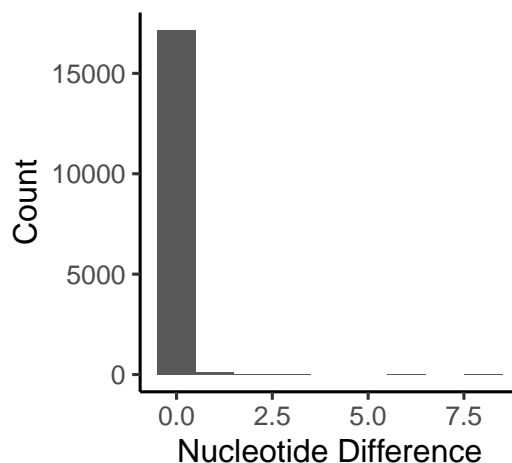
TRBV6-56*ap02

3732 sequences assigned
3249 (87.1%) exact matches, in which:
3187 unique CDR3
13 unique J



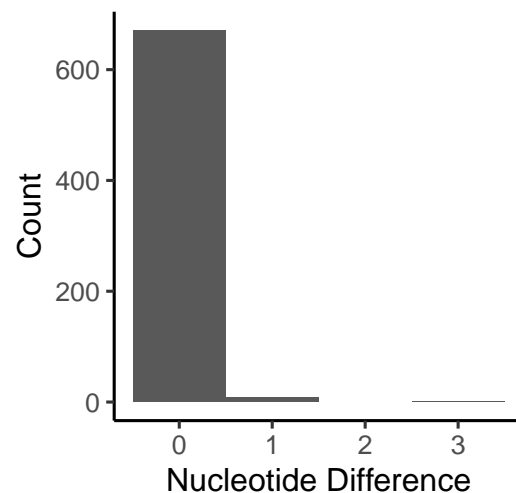
TRBV7-2*ap01

17305 sequences assigned
17170 (99.2%) exact matches, in which:
16925 unique CDR3
13 unique J



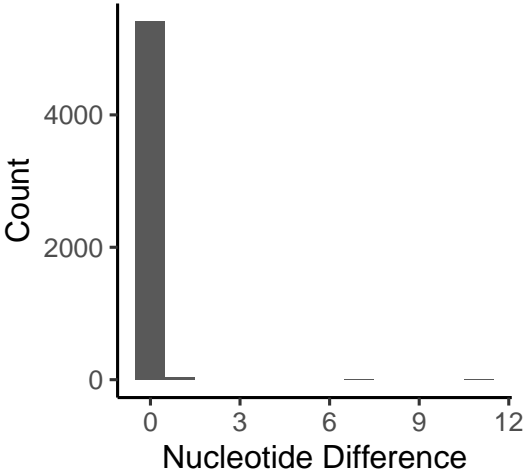
TRBV7-4*ap01

680 sequences assigned
671 (98.7%) exact matches, in which:
664 unique CDR3
13 unique J



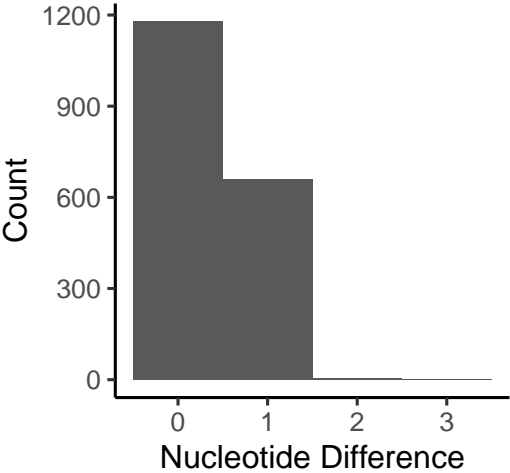
TRBV7-6*ap01

5452 sequences assigned
5412 (99.3%) exact matches, in which:
5323 unique CDR3
13 unique J



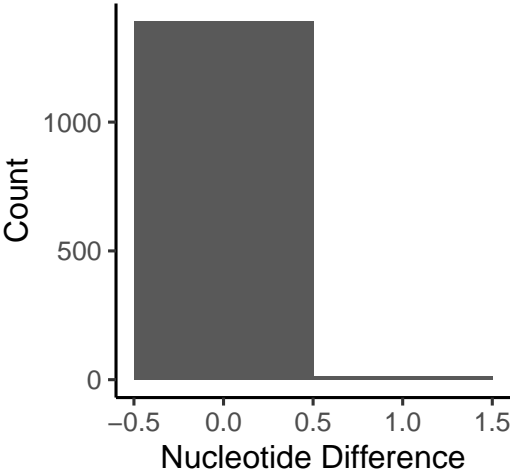
TRBV7-8*ap03

1846 sequences assigned
1179 (63.9%) exact matches, in which:
1150 unique CDR3
13 unique J



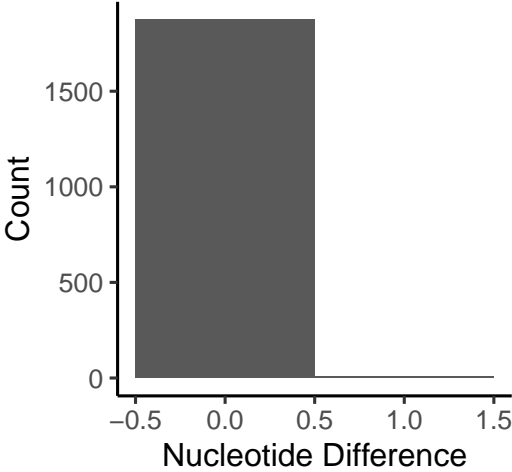
TRBV29-1*ap02

1405 sequences assigned
1391 (99%) exact matches, in which:
1378 unique CDR3
13 unique J



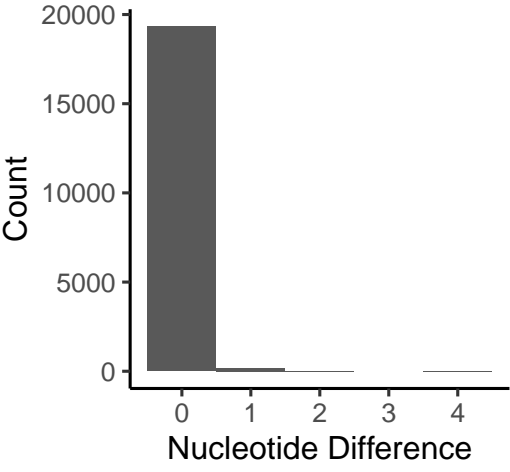
TRBV7-7*ap01

1884 sequences assigned
1874 (99.5%) exact matches, in which:
1843 unique CDR3
14 unique J



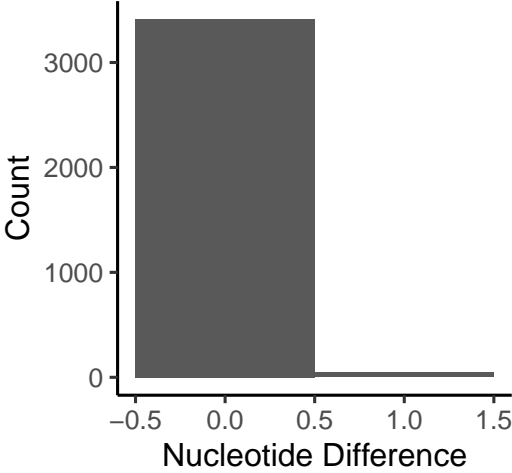
TRBV7-9*ap01

19513 sequences assigned
19330 (99.1%) exact matches, in which:
19064 unique CDR3
13 unique J



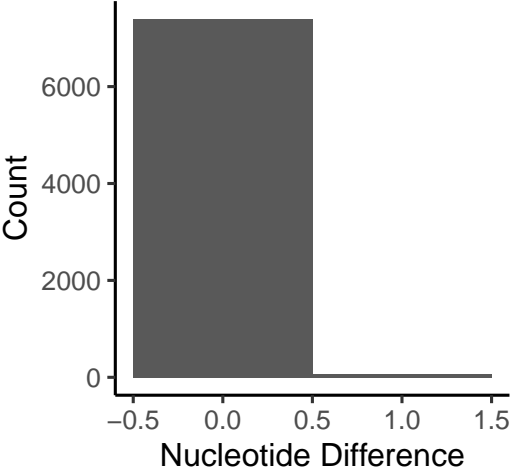
TRBV7-8*ap01

3460 sequences assigned
3414 (98.7%) exact matches, in which:
3333 unique CDR3
13 unique J

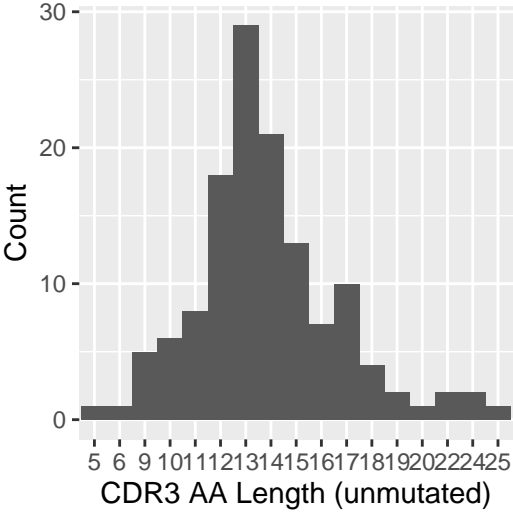


TRBV29-1*ap01

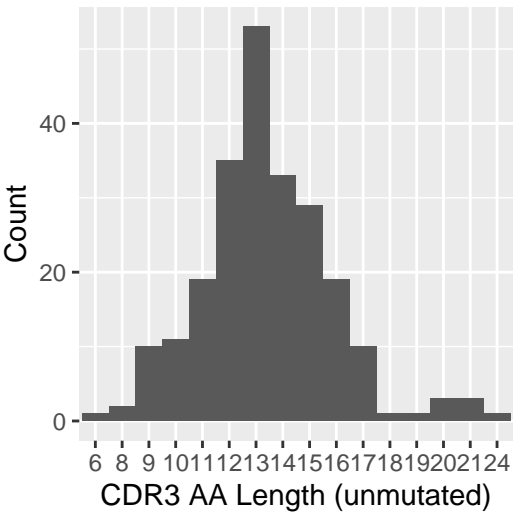
7468 sequences assigned
7394 (99%) exact matches, in which:
7296 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]