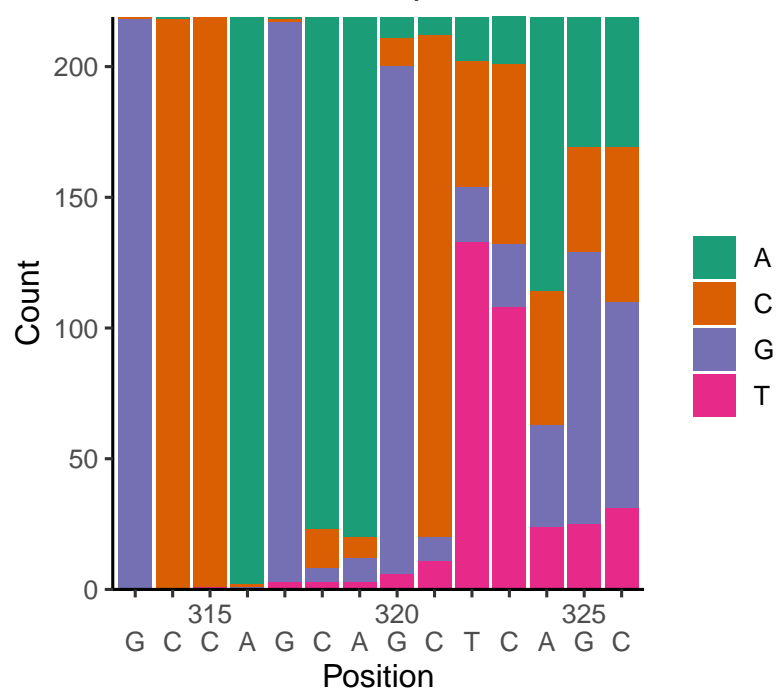
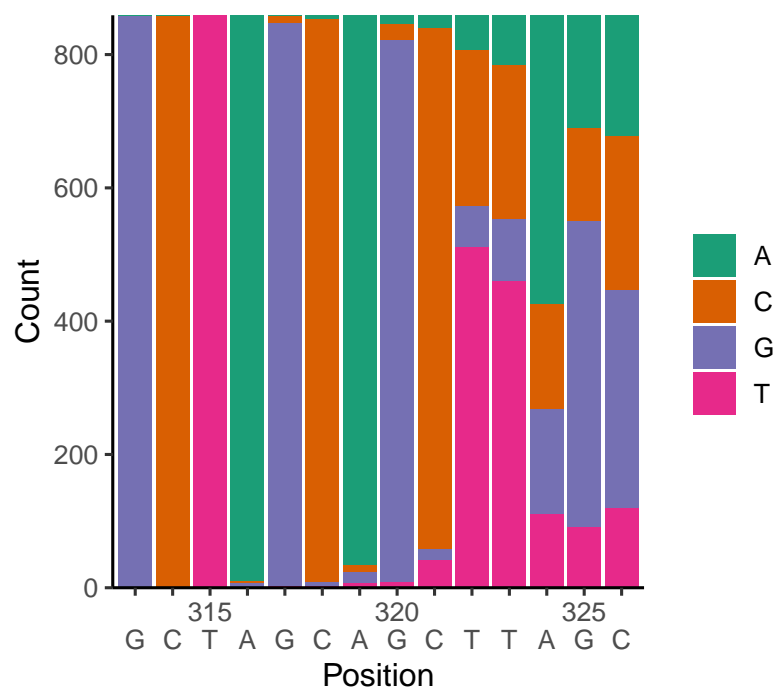


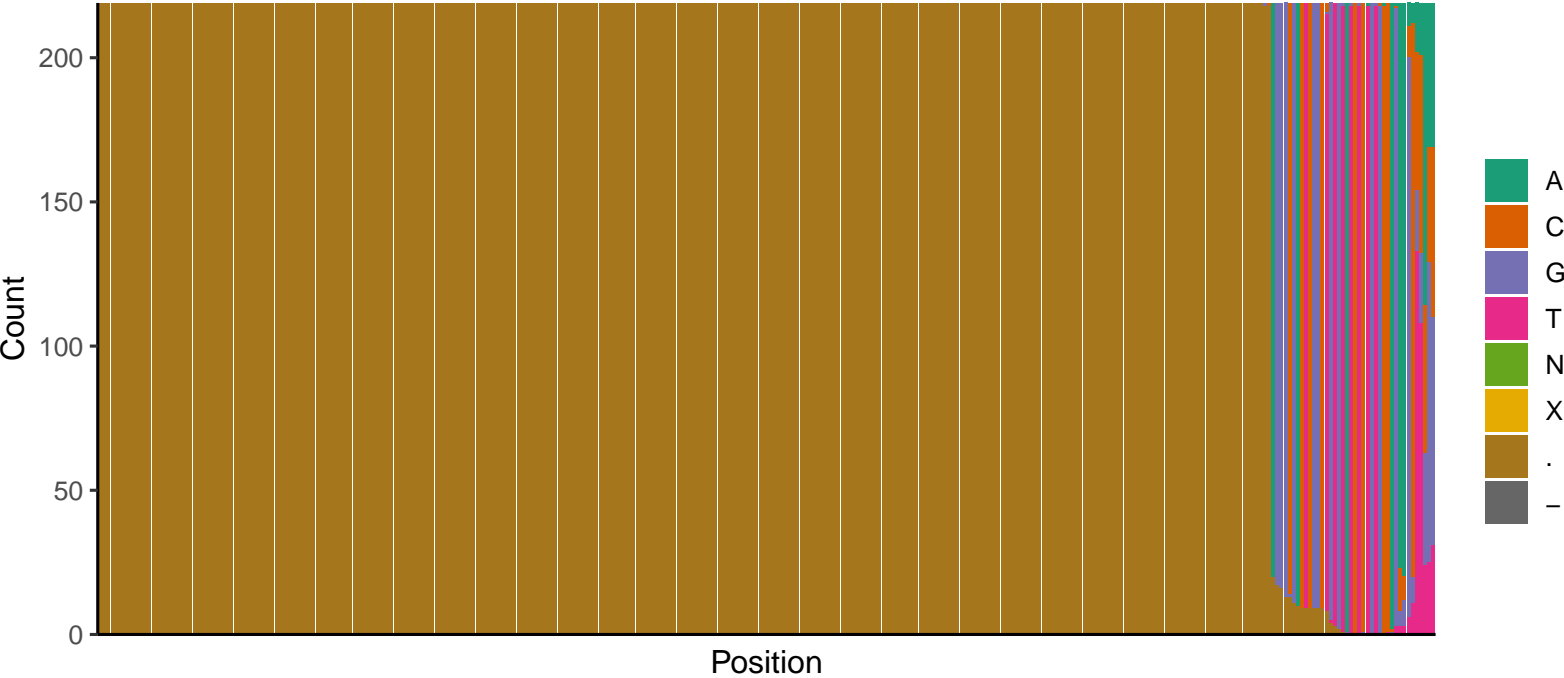
Gene TRBV7-1*ap01_G291C_T296C



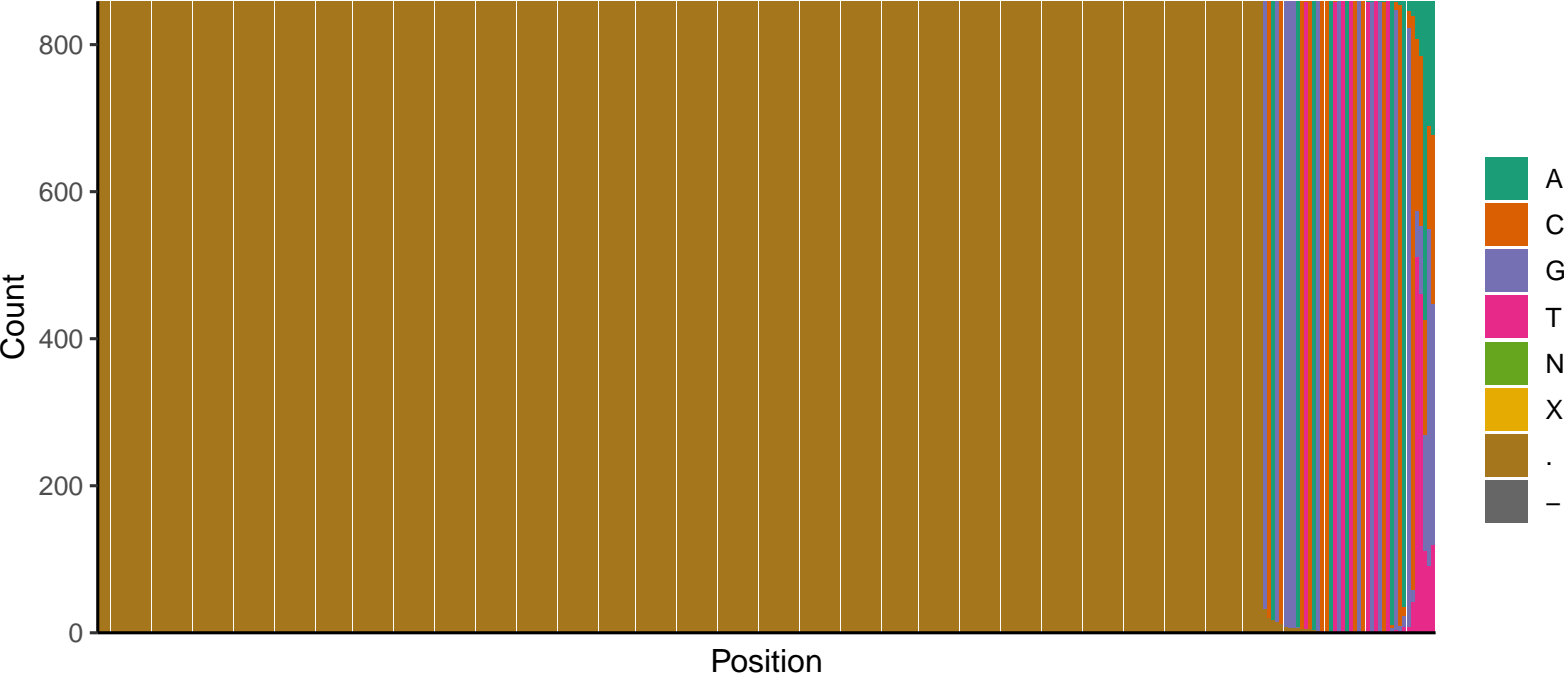
Gene TRBV7-7*ap01_C315T



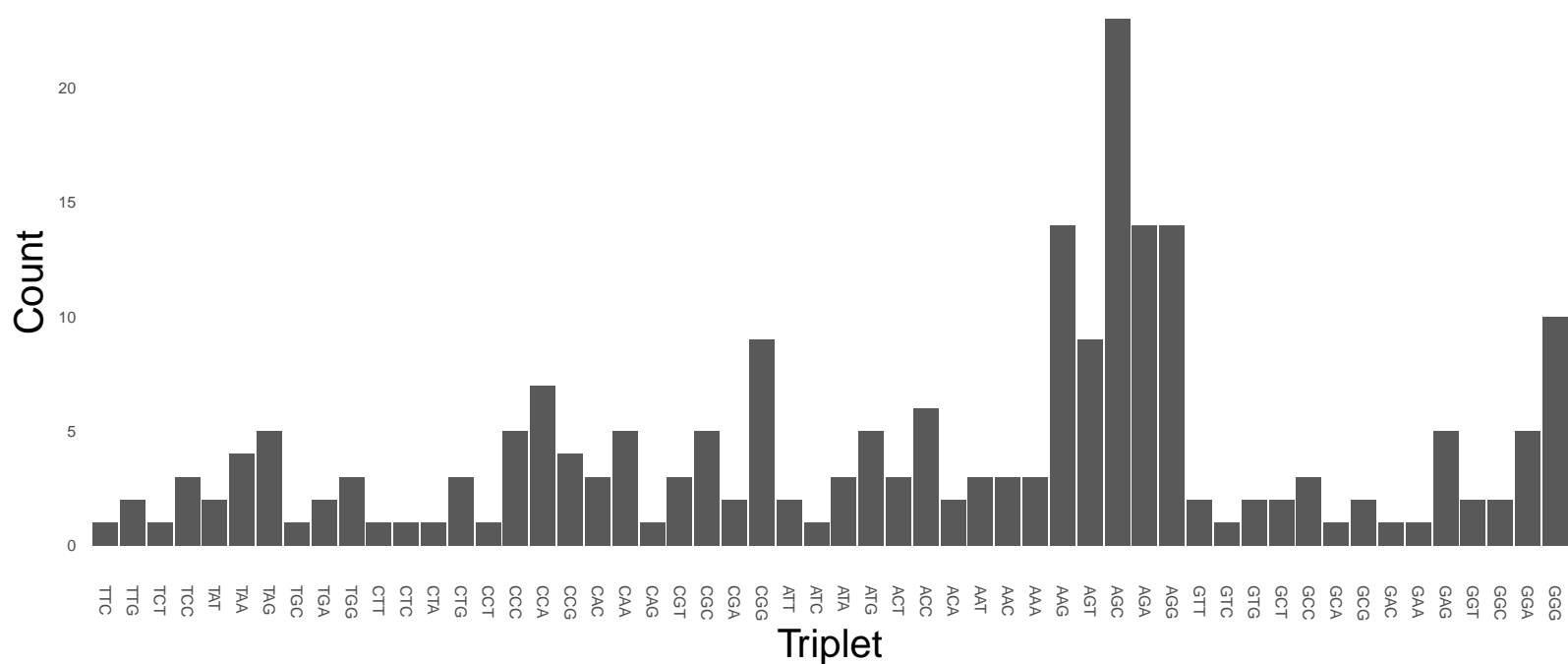
Gene TRBV7-1*ap01_G291C_T296C



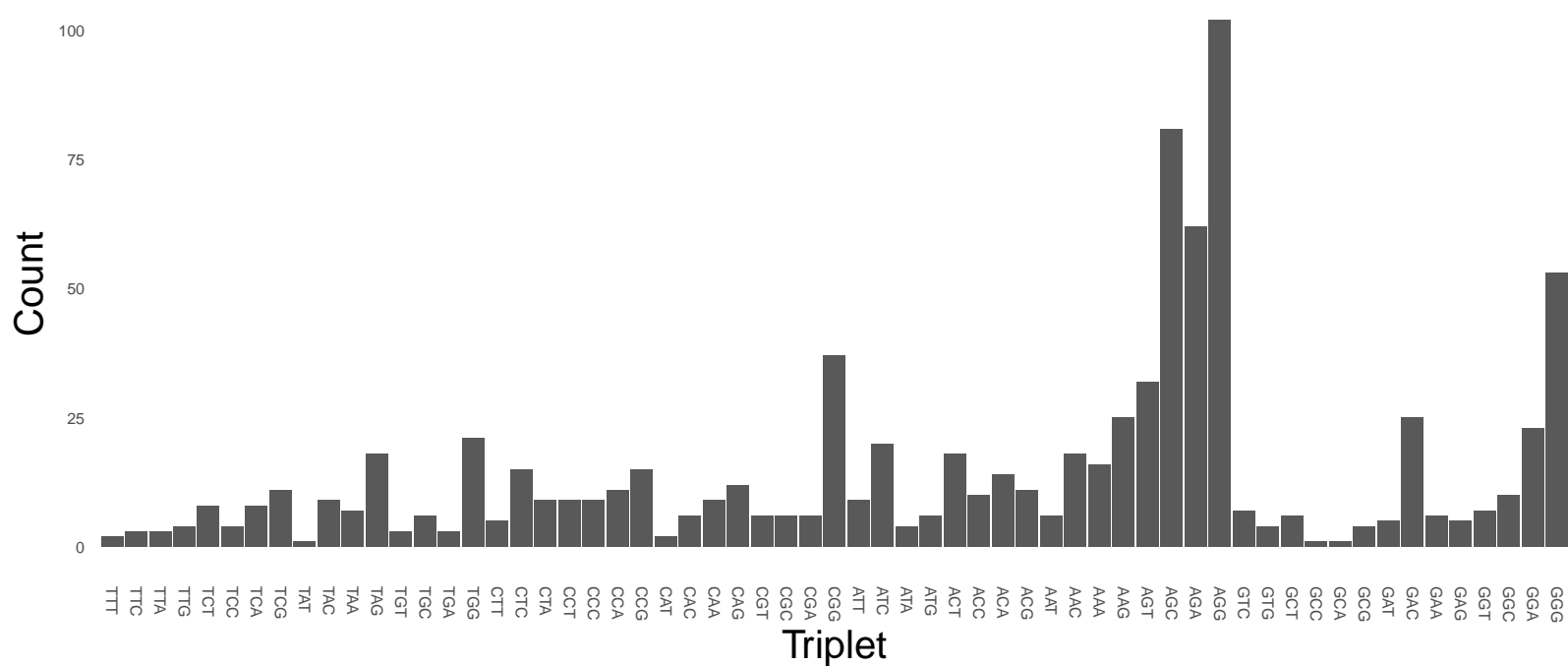
Gene TRBV7-7*ap01_C315T



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

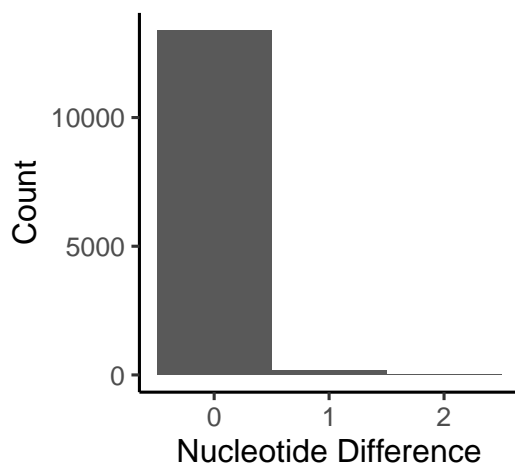


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



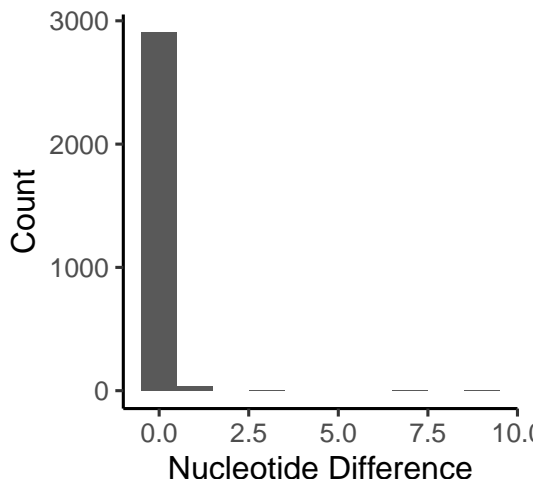
TRBV20-1*ap01

13568 sequences assigned
13395 (98.7%) exact matches, in which:
13110 unique CDR3
13 unique J



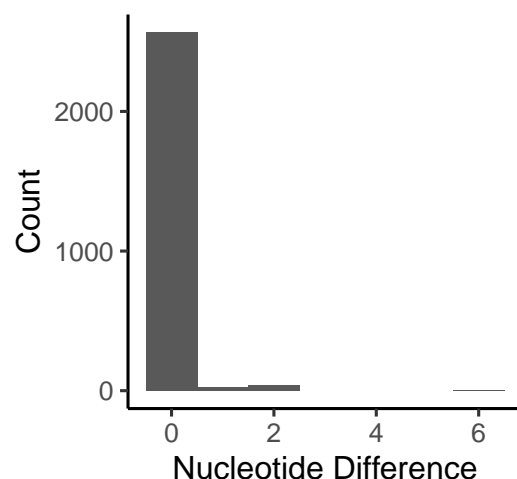
TRBV10-2*ap01

2945 sequences assigned
2906 (98.7%) exact matches, in which:
2806 unique CDR3
13 unique J



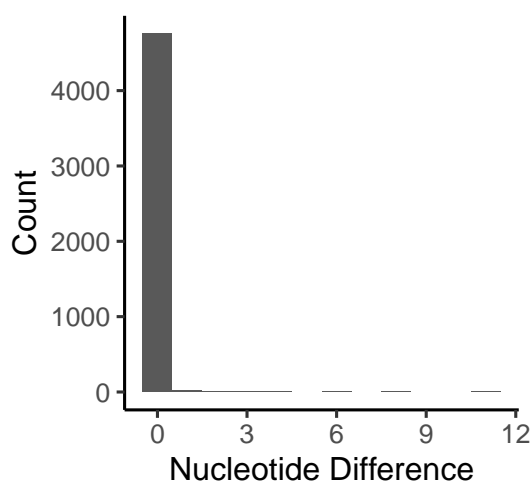
TRBV13*ap01

2635 sequences assigned
2566 (97.4%) exact matches, in which:
2465 unique CDR3
13 unique J



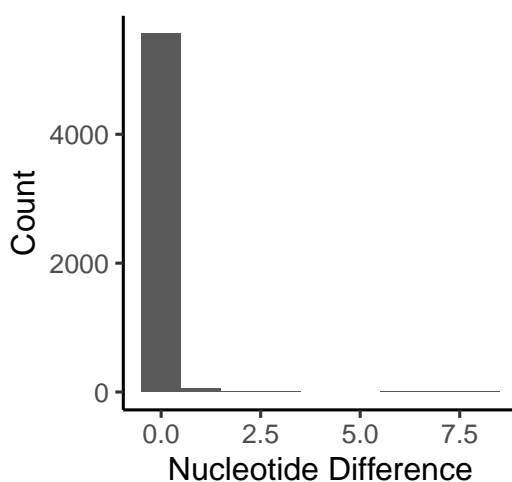
TRBV10-1*ap01

4787 sequences assigned
4755 (99.3%) exact matches, in which:
4621 unique CDR3
13 unique J



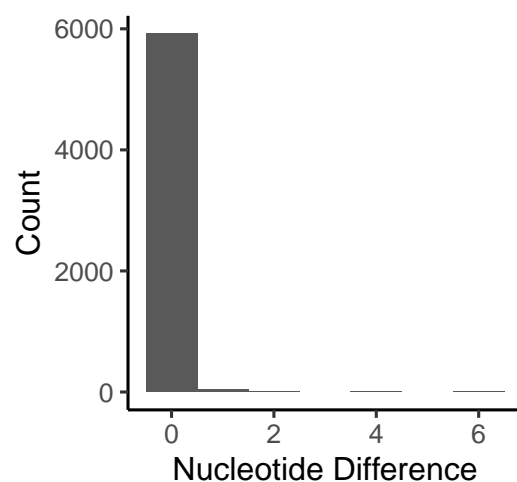
TRBV10-3*ap01

5635 sequences assigned
5561 (98.7%) exact matches, in which:
5387 unique CDR3
13 unique J



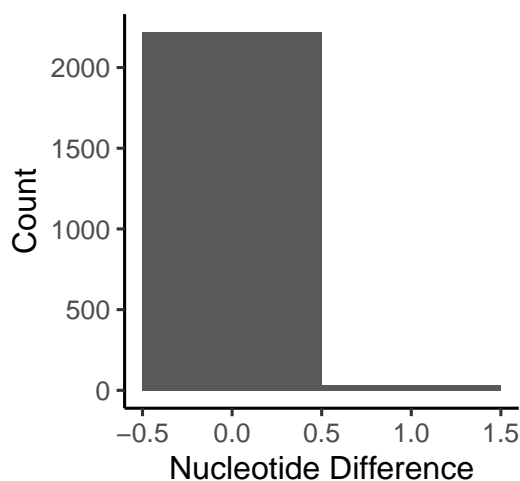
TRBV14*ap01

5962 sequences assigned
5919 (99.3%) exact matches, in which:
5786 unique CDR3
13 unique J



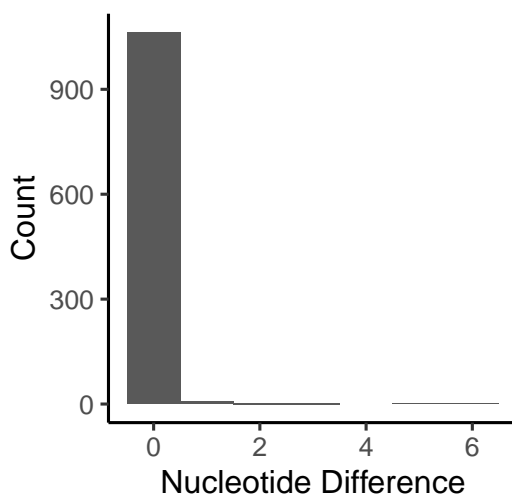
TRBV20-1*ap02

2253 sequences assigned
2220 (98.5%) exact matches, in which:
2171 unique CDR3
13 unique J



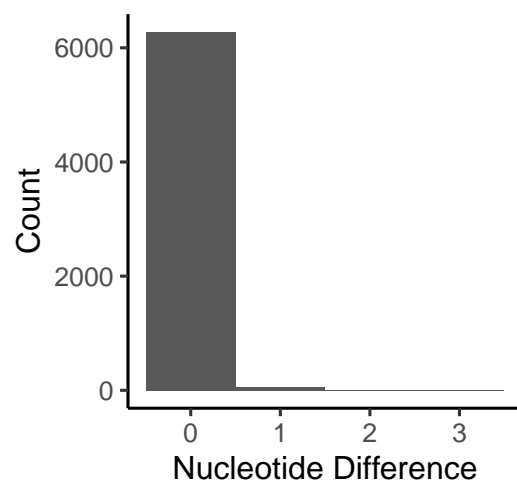
TRBV1*ap01

1079 sequences assigned
1063 (98.5%) exact matches, in which:
1035 unique CDR3
13 unique J



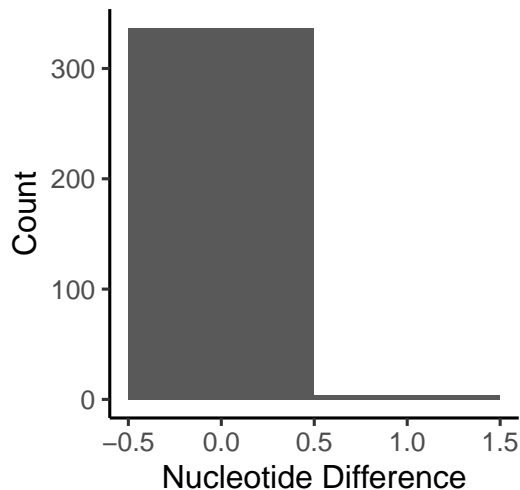
TRBV15*ap02

6333 sequences assigned
6276 (99.1%) exact matches, in which:
6053 unique CDR3
13 unique J



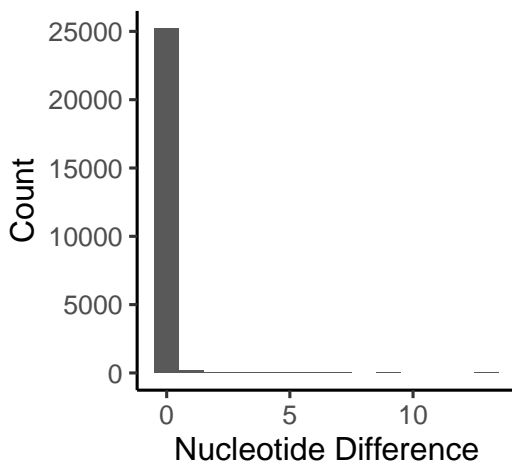
TRBV16*ap01

341 sequences assigned
337 (98.8%) exact matches, in which:
326 unique CDR3
13 unique J



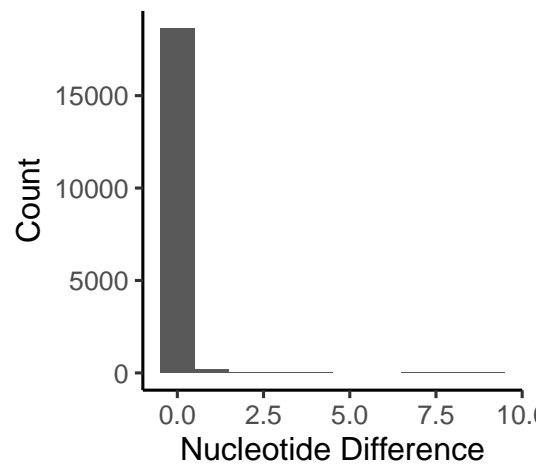
TRBV19*ap01

25477 sequences assigned
25236 (99.1%) exact matches, in which:
24822 unique CDR3
13 unique J



TRBV27*ap01

18851 sequences assigned
18649 (98.9%) exact matches, in which:
18039 unique CDR3
13 unique J



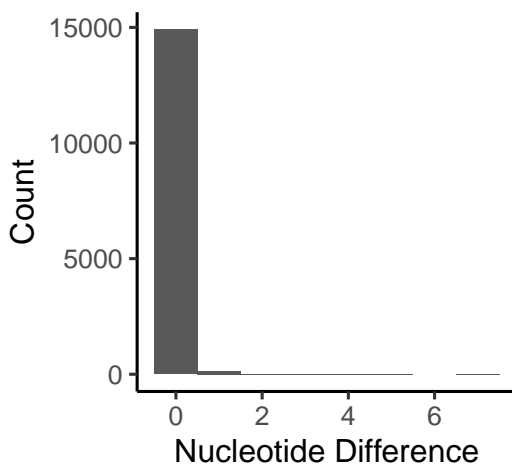
TRBV17*ap01

1 sequences assigned
No exact matches.



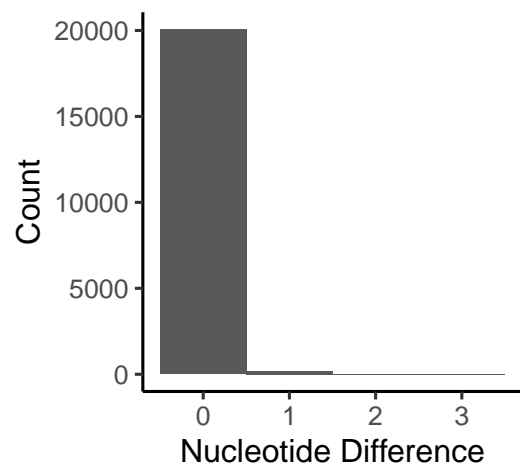
TRBV2*ap01

15071 sequences assigned
14910 (98.9%) exact matches, in which:
14556 unique CDR3
14 unique J



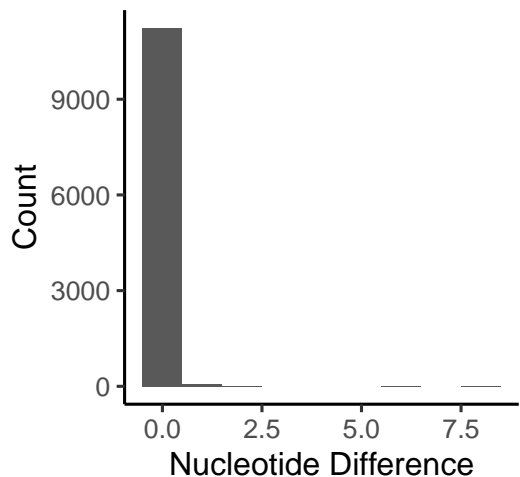
TRBV28*ap01

20246 sequences assigned
20059 (99.1%) exact matches, in which:
19578 unique CDR3
13 unique J



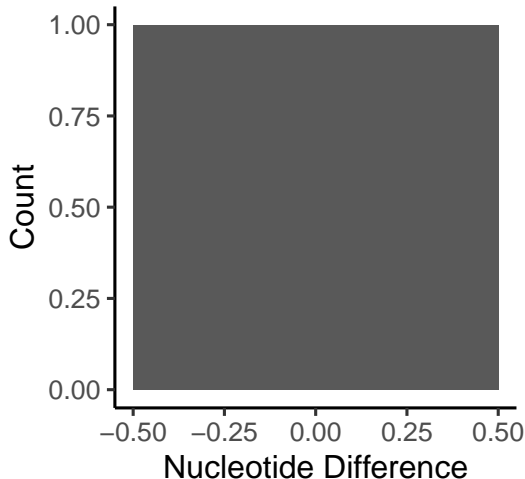
TRBV18*ap01

11303 sequences assigned
11232 (99.4%) exact matches, in which:
11035 unique CDR3
13 unique J



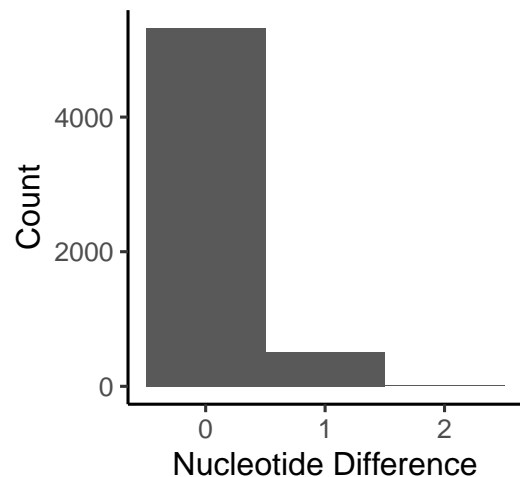
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



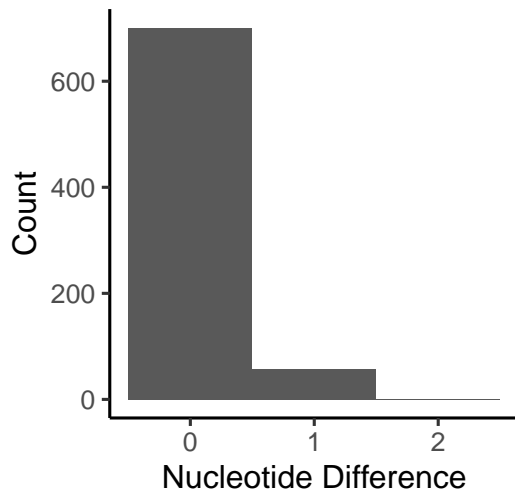
TRBV30*ap01

5842 sequences assigned
5323 (91.1%) exact matches, in which:
5164 unique CDR3
13 unique J



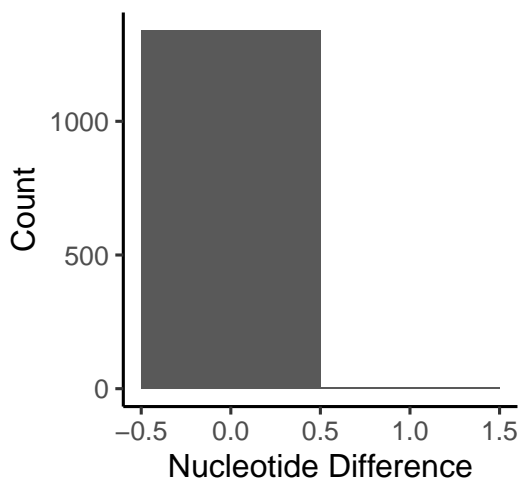
TRBV30*ap03

759 sequences assigned
701 (92.4%) exact matches, in which:
679 unique CDR3
13 unique J



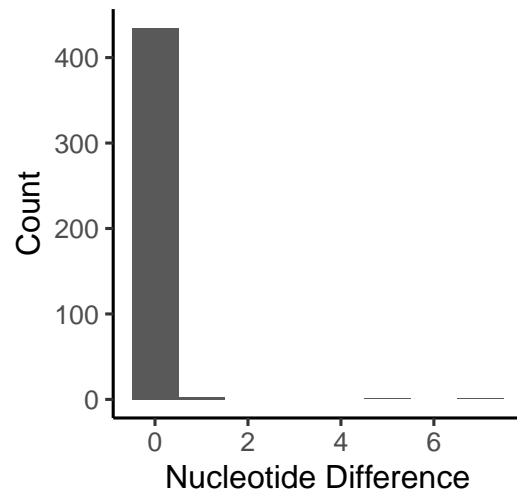
TRBV11-1*ap01

1344 sequences assigned
1340 (99.7%) exact matches, in which:
1317 unique CDR3
13 unique J



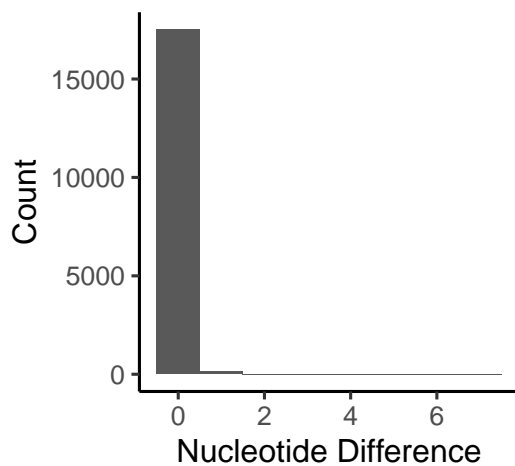
TRBV12-1*ap01

440 sequences assigned
435 (98.9%) exact matches, in which:
424 unique CDR3
13 unique J



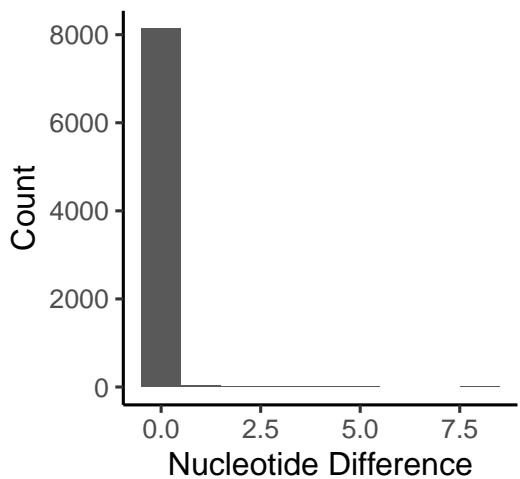
TRBV9*ap01

17670 sequences assigned
17518 (99.1%) exact matches, in which:
17139 unique CDR3
13 unique J



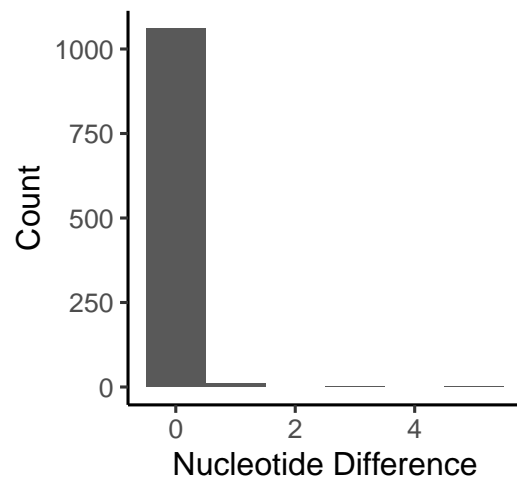
TRBV11-2*ap01

8177 sequences assigned
8135 (99.5%) exact matches, in which:
8041 unique CDR3
13 unique J



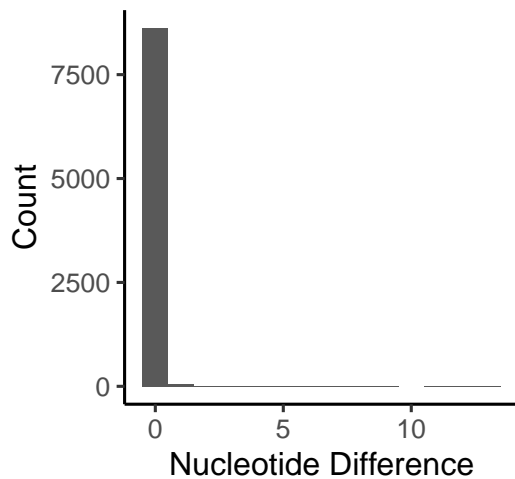
TRBV12-2*ap01

1071 sequences assigned
1060 (99%) exact matches, in which:
1027 unique CDR3
13 unique J



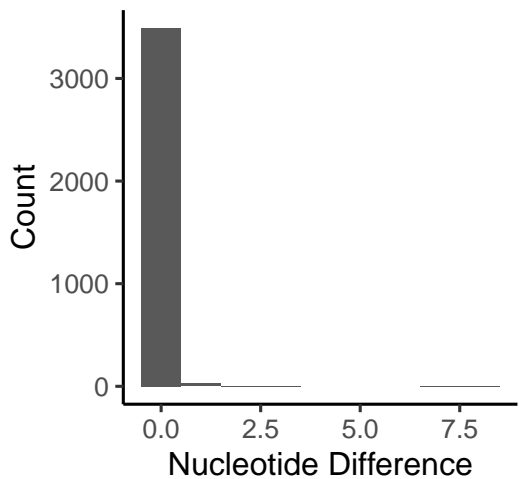
TRBV21-1*ap01

8719 sequences assigned
8621 (98.9%) exact matches, in which:
8475 unique CDR3
13 unique J



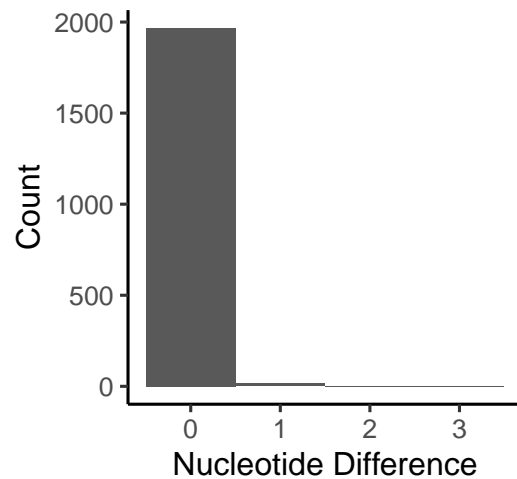
TRBV11-3*ap01

3526 sequences assigned
3491 (99%) exact matches, in which:
3462 unique CDR3
13 unique J



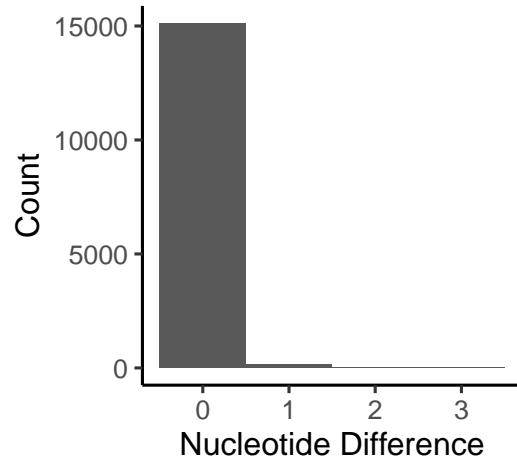
TRBV12-5*ap01

1988 sequences assigned
1967 (98.9%) exact matches, in which:
1923 unique CDR3
13 unique J



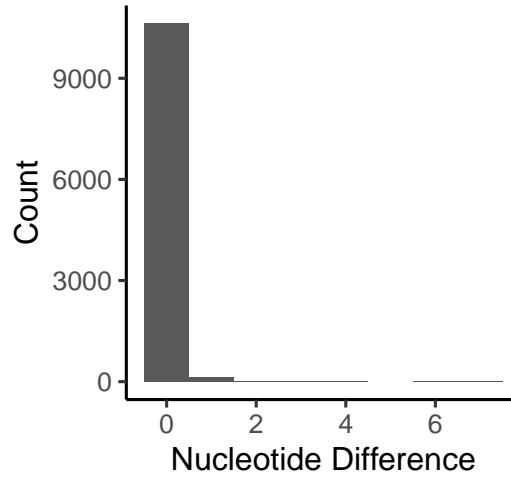
TRBV12–34*ap01

15284 sequences assigned
15124 (99%) exact matches, in which:
14716 unique CDR3
13 unique J



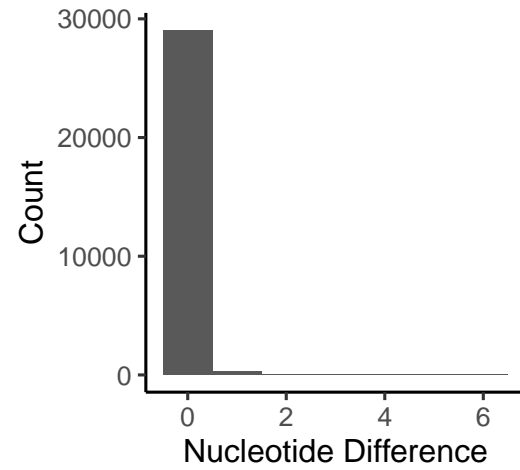
TRBV24–1*ap01

10771 sequences assigned
10628 (98.7%) exact matches, in which:
10337 unique CDR3
13 unique J



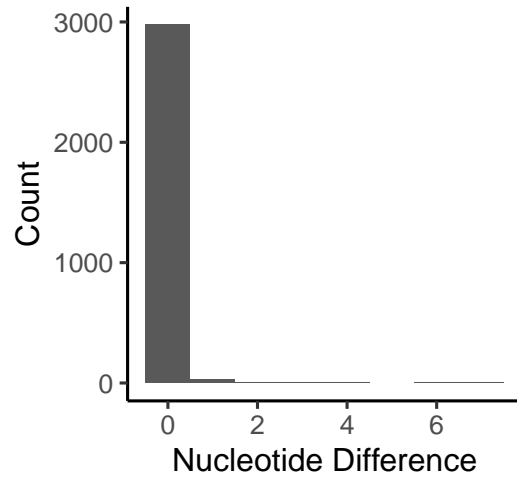
TRBV5–1*ap01

29325 sequences assigned
29048 (99.1%) exact matches, in which:
28163 unique CDR3
13 unique J



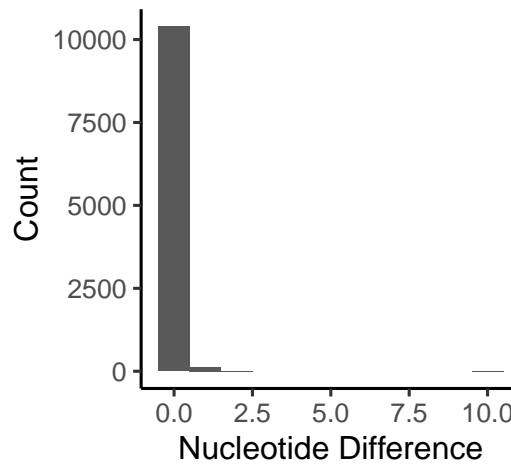
TRBV23–1*ap01

3014 sequences assigned
2977 (98.8%) exact matches, in which:
2917 unique CDR3
13 unique J



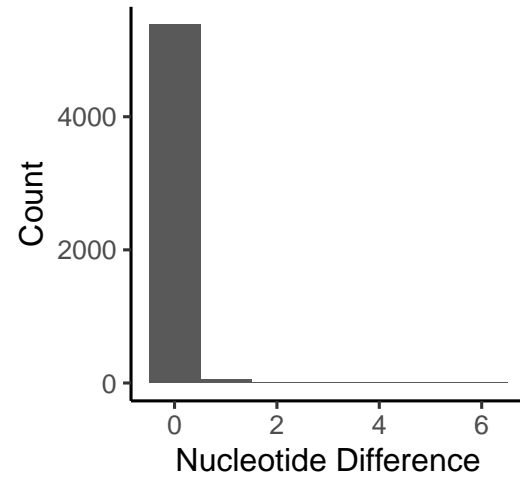
TRBV4–1*ap01

10520 sequences assigned
10394 (98.8%) exact matches, in which:
9999 unique CDR3
13 unique J



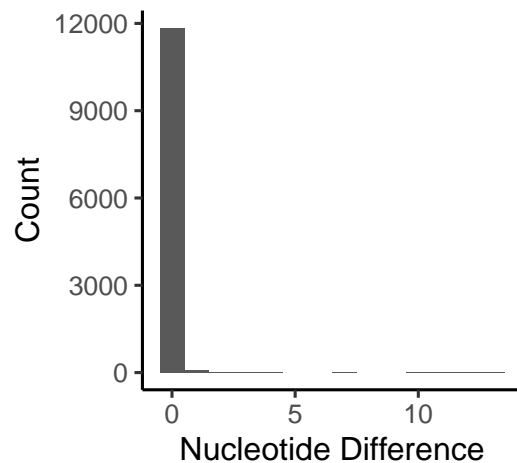
TRBV25–1*ap01

5446 sequences assigned
5382 (98.8%) exact matches, in which:
5231 unique CDR3
13 unique J



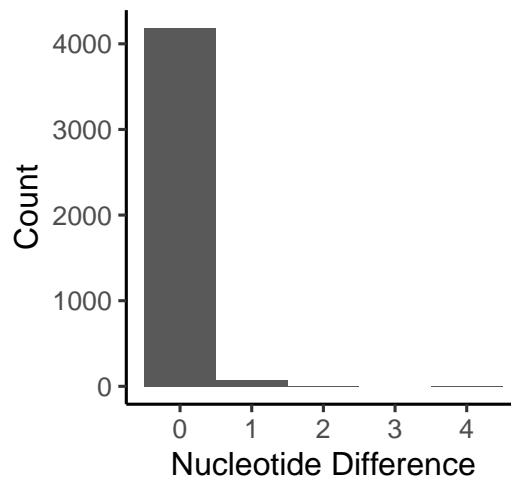
TRBV3–12*ap01

11953 sequences assigned
11850 (99.1%) exact matches, in which:
11635 unique CDR3
13 unique J



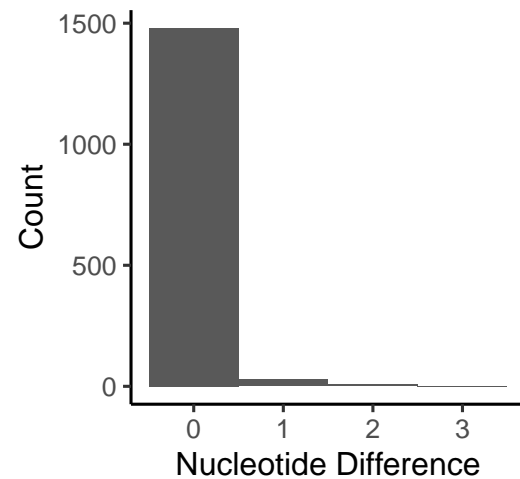
TRBV4–2*ap01

4263 sequences assigned
4184 (98.1%) exact matches, in which:
4033 unique CDR3
13 unique J



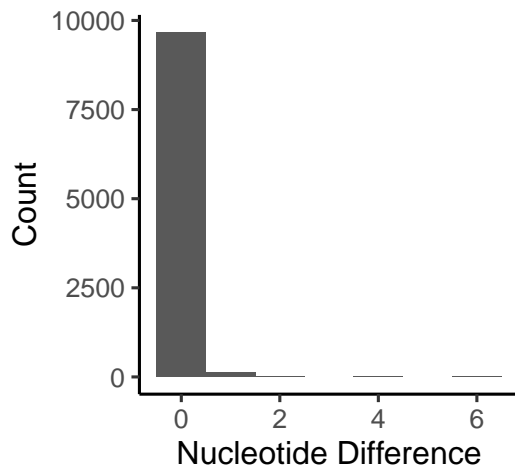
TRBV5–3*ap01

1516 sequences assigned
1480 (97.6%) exact matches, in which:
1430 unique CDR3
13 unique J



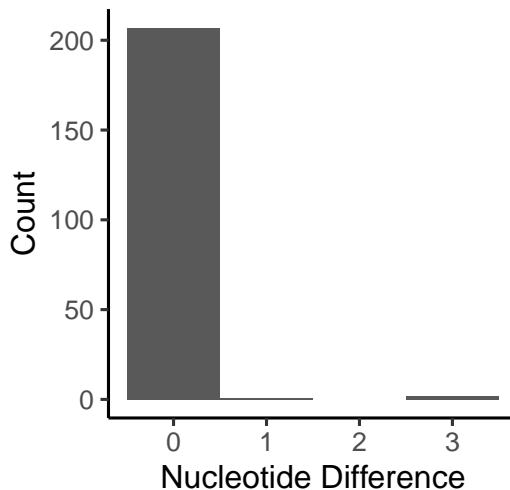
TRBV5-4*ap01

9809 sequences assigned
9672 (98.6%) exact matches, in which:
9368 unique CDR3
13 unique J



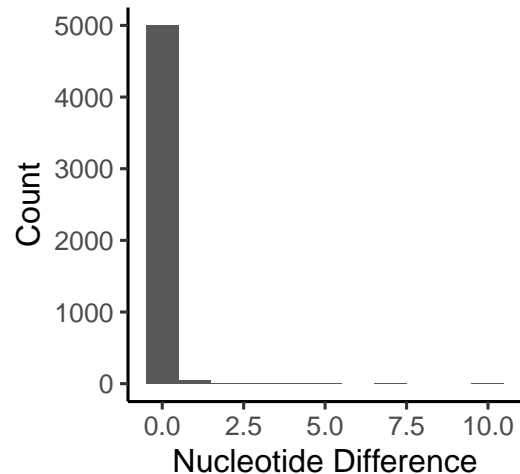
TRBV5-7*ap01

210 sequences assigned
207 (98.6%) exact matches, in which:
198 unique CDR3
13 unique J



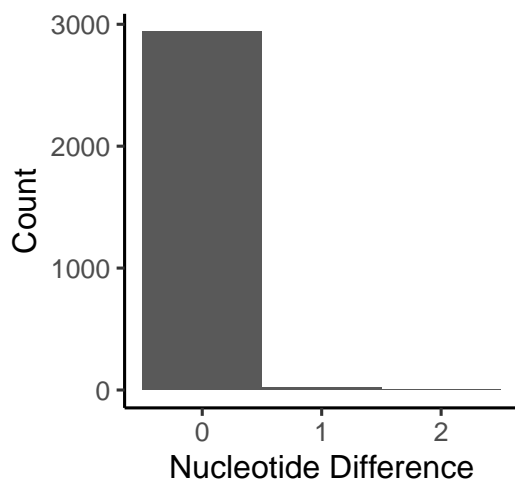
TRBV6-4*ap01

5065 sequences assigned
5000 (98.7%) exact matches, in which:
4921 unique CDR3
13 unique J



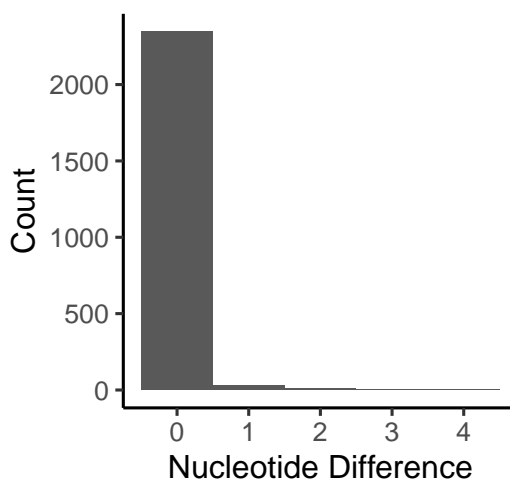
TRBV5-5*ap01

2962 sequences assigned
2939 (99.2%) exact matches, in which:
2910 unique CDR3
13 unique J



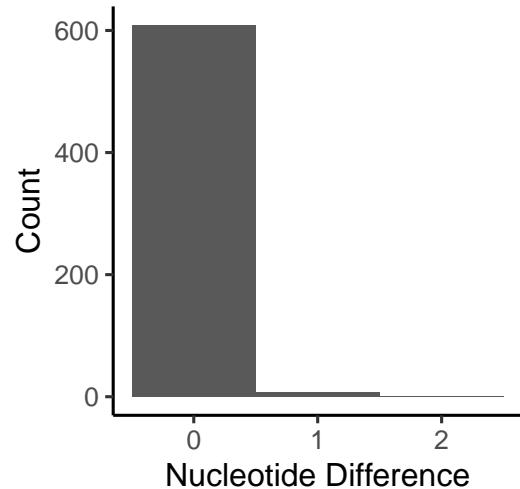
TRBV5-8*ap01

2386 sequences assigned
2346 (98.3%) exact matches, in which:
2278 unique CDR3
13 unique J



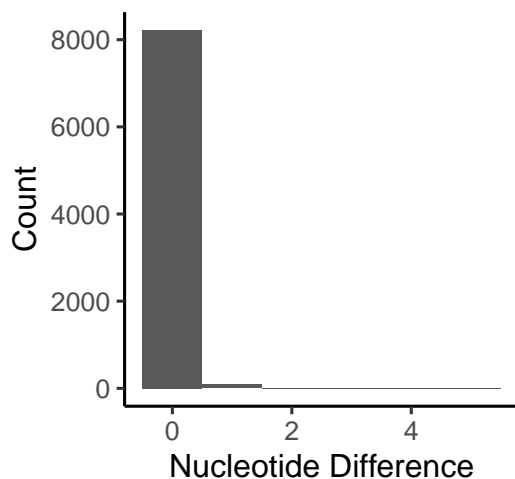
TRBV6-7*ap01

618 sequences assigned
609 (98.5%) exact matches, in which:
589 unique CDR3
13 unique J



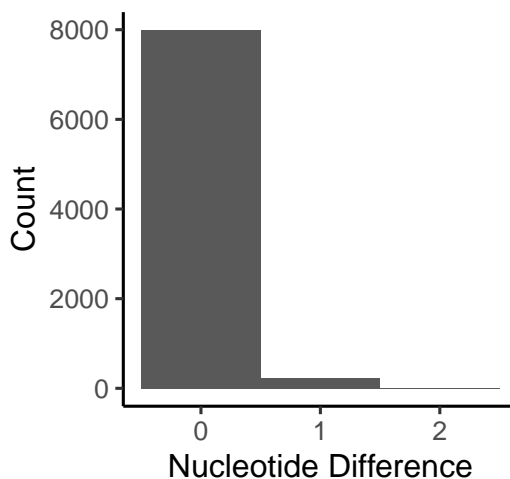
TRBV5-6*ap01

8317 sequences assigned
8221 (98.8%) exact matches, in which:
7868 unique CDR3
13 unique J



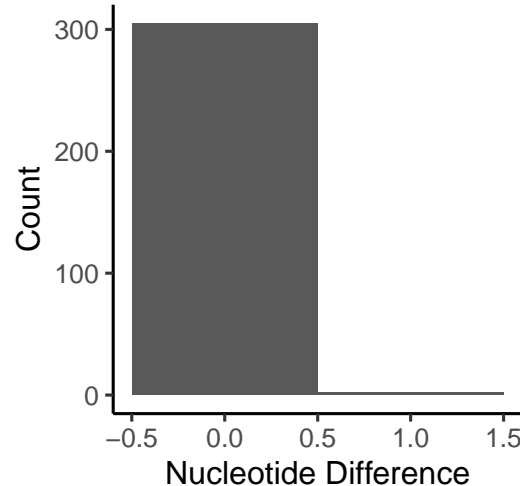
TRBV6-1*ap01

8218 sequences assigned
7992 (97.2%) exact matches, in which:
7712 unique CDR3
13 unique J



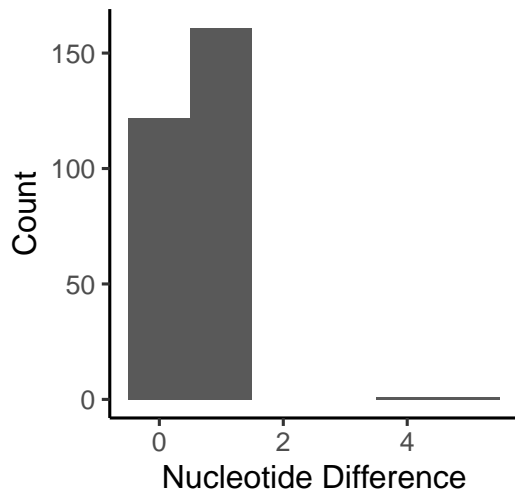
TRBV6-8*ap01

307 sequences assigned
305 (99.3%) exact matches, in which:
296 unique CDR3
13 unique J



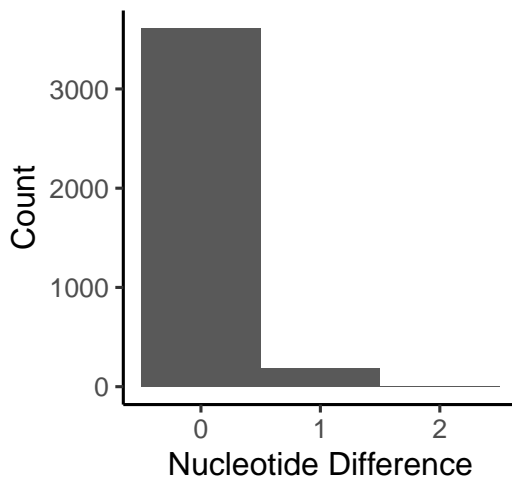
TRBV6-9*ap01

285 sequences assigned
122 (42.8%) exact matches, in which:
119 unique CDR3
13 unique J



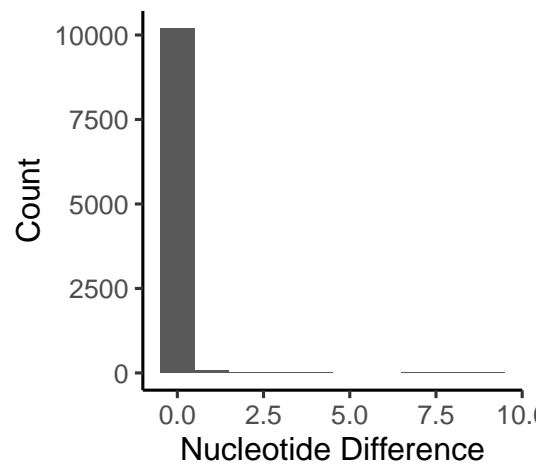
TRBV6-56*ap02

3794 sequences assigned
3610 (95.2%) exact matches, in which:
3499 unique CDR3
13 unique J



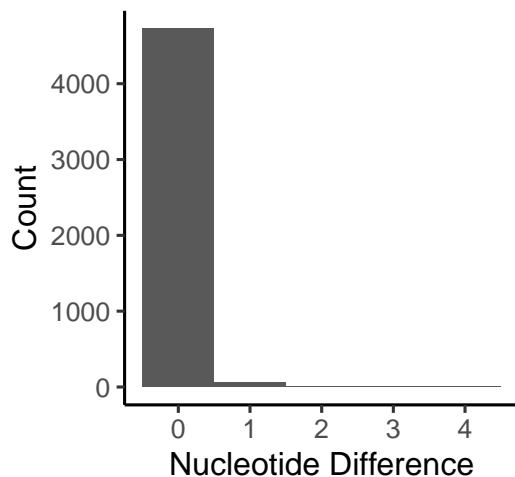
TRBV7-3*ap01

10304 sequences assigned
10203 (99%) exact matches, in which:
10026 unique CDR3
14 unique J



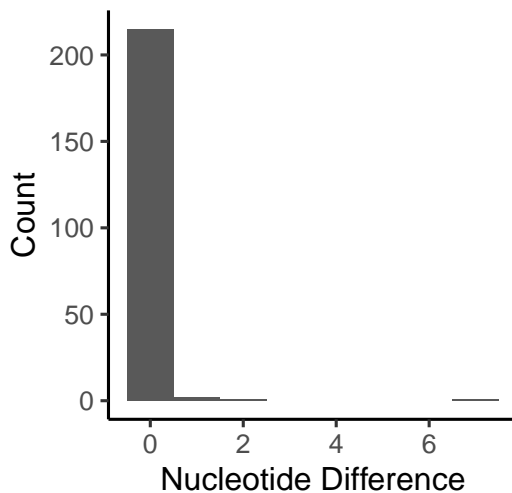
TRBV6-23*ap01

4789 sequences assigned
4725 (98.7%) exact matches, in which:
4550 unique CDR3
13 unique J



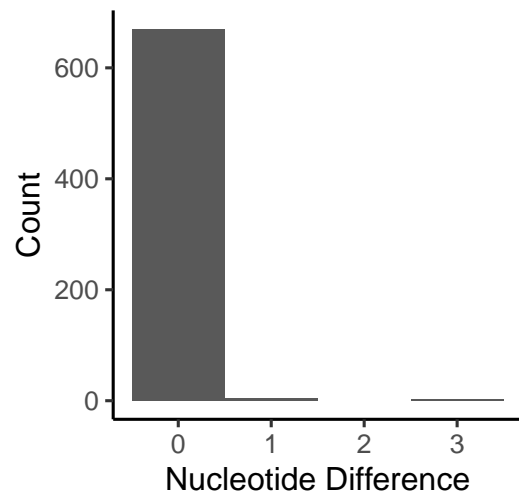
TRBV7-1*ap01_G291C_

219 sequences assigned
215 (98.2%) exact matches, in which:
209 unique CDR3
13 unique J



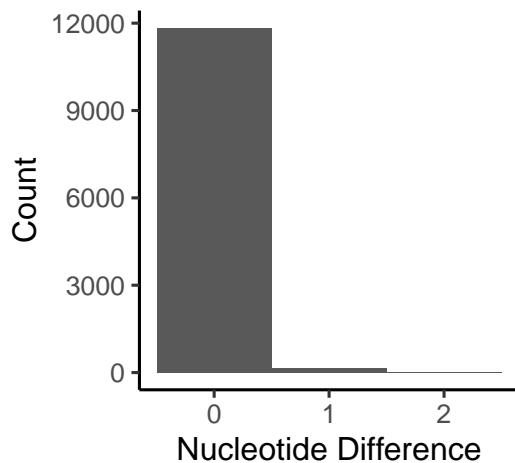
TRBV7-4*ap01

677 sequences assigned
670 (99%) exact matches, in which:
651 unique CDR3
13 unique J



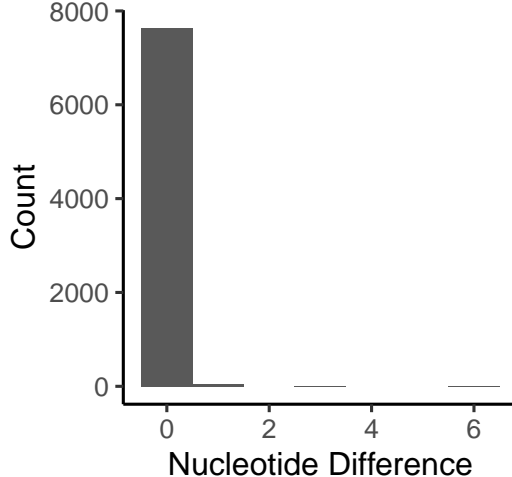
TRBV6-56*ap01

12000 sequences assigned
11841 (98.7%) exact matches, in which:
11408 unique CDR3
13 unique J



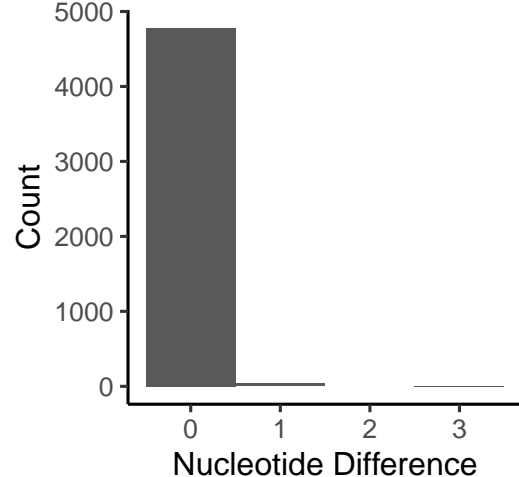
TRBV7-2*ap01

7687 sequences assigned
7635 (99.3%) exact matches, in which:
7424 unique CDR3
13 unique J



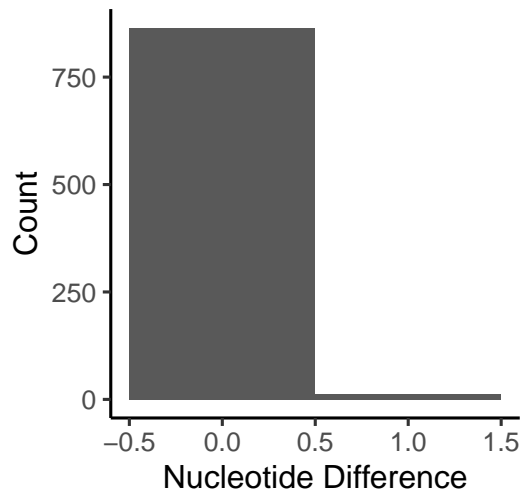
TRBV7-6*ap01

4820 sequences assigned
4779 (99.1%) exact matches, in which:
4641 unique CDR3
13 unique J



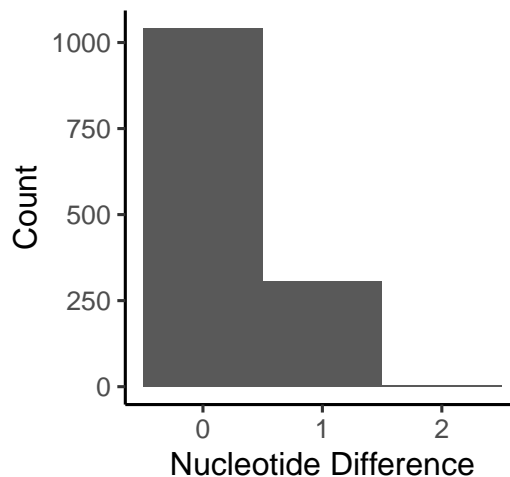
TRBV7-7*ap01

877 sequences assigned
865 (98.6%) exact matches, in which:
838 unique CDR3
13 unique J



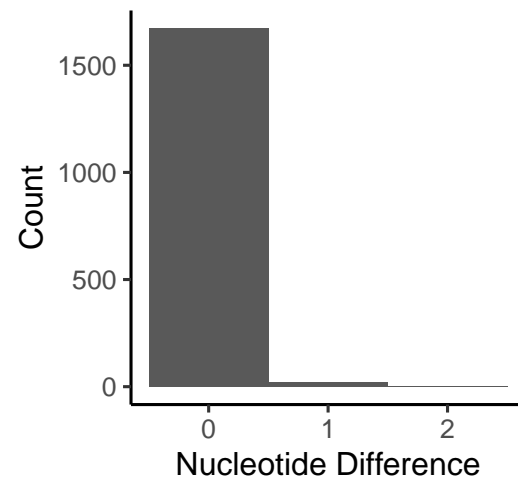
TRBV7-8*ap03

1350 sequences assigned
1041 (77.1%) exact matches, in which:
1017 unique CDR3
13 unique J



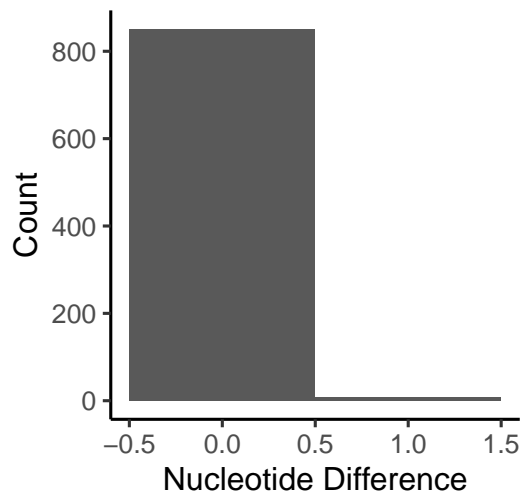
TRBV29-1*ap02

1693 sequences assigned
1672 (98.8%) exact matches, in which:
1627 unique CDR3
13 unique J



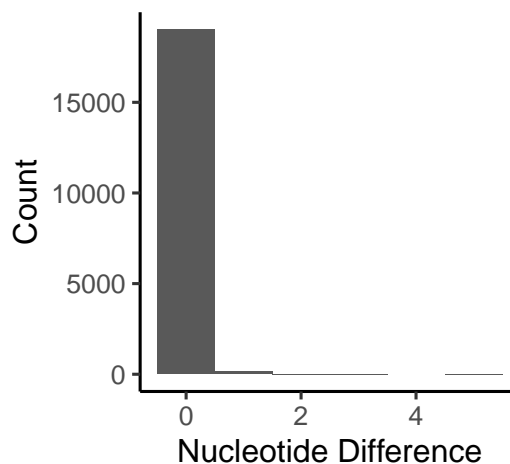
TRBV7-7*ap01_C315T

859 sequences assigned
851 (99.1%) exact matches, in which:
833 unique CDR3
13 unique J



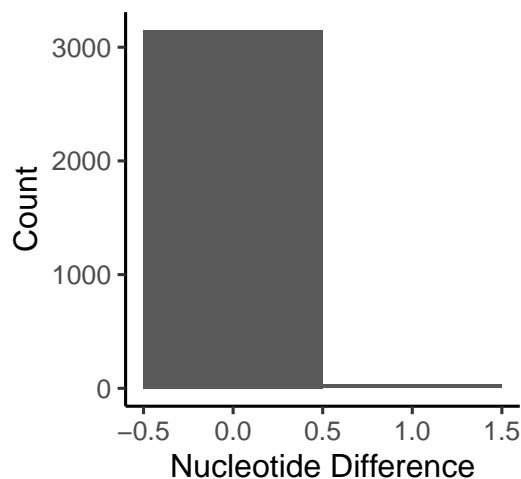
TRBV7-9*ap01

19176 sequences assigned
19019 (99.2%) exact matches, in which:
18574 unique CDR3
13 unique J



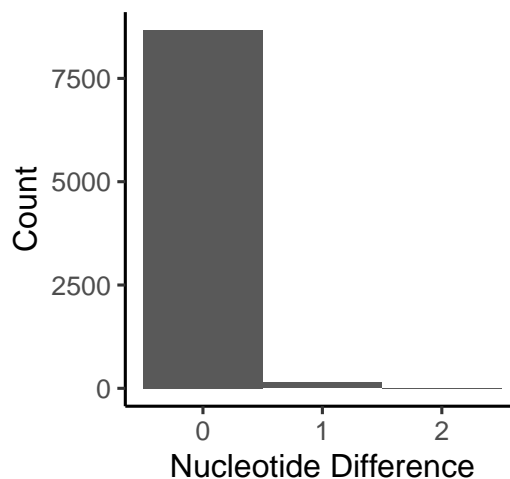
TRBV7-8*ap01

3186 sequences assigned
3151 (98.9%) exact matches, in which:
3055 unique CDR3
13 unique J

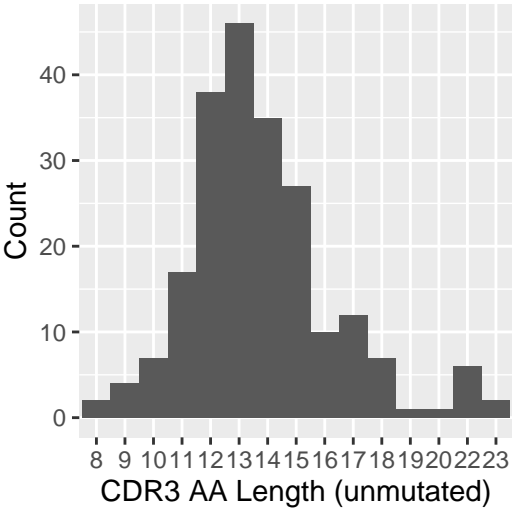


TRBV29-1*ap01

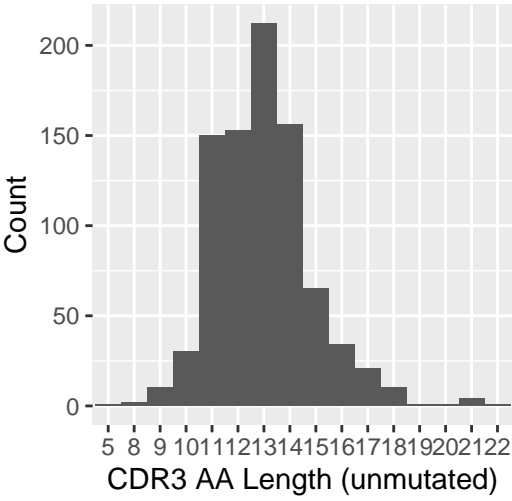
8809 sequences assigned
8670 (98.4%) exact matches, in which:
8369 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]