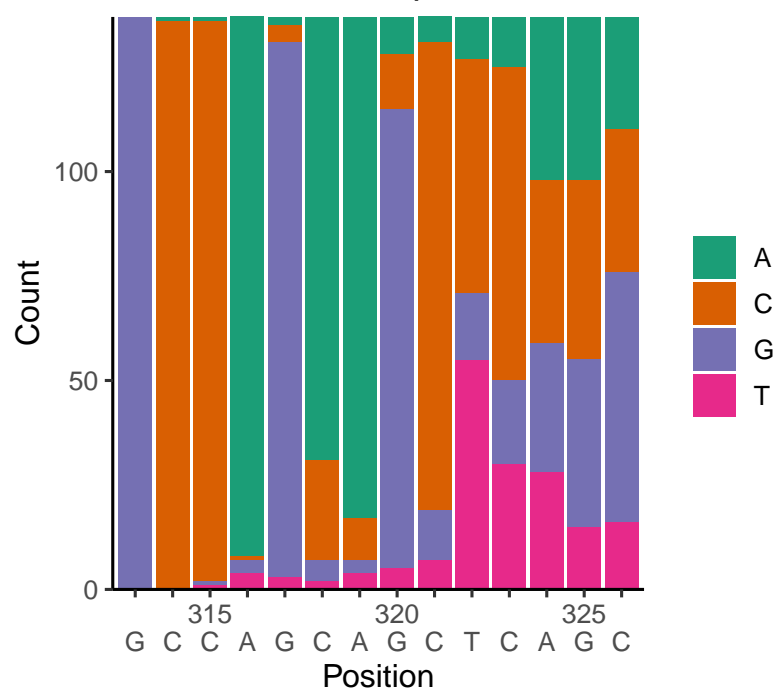
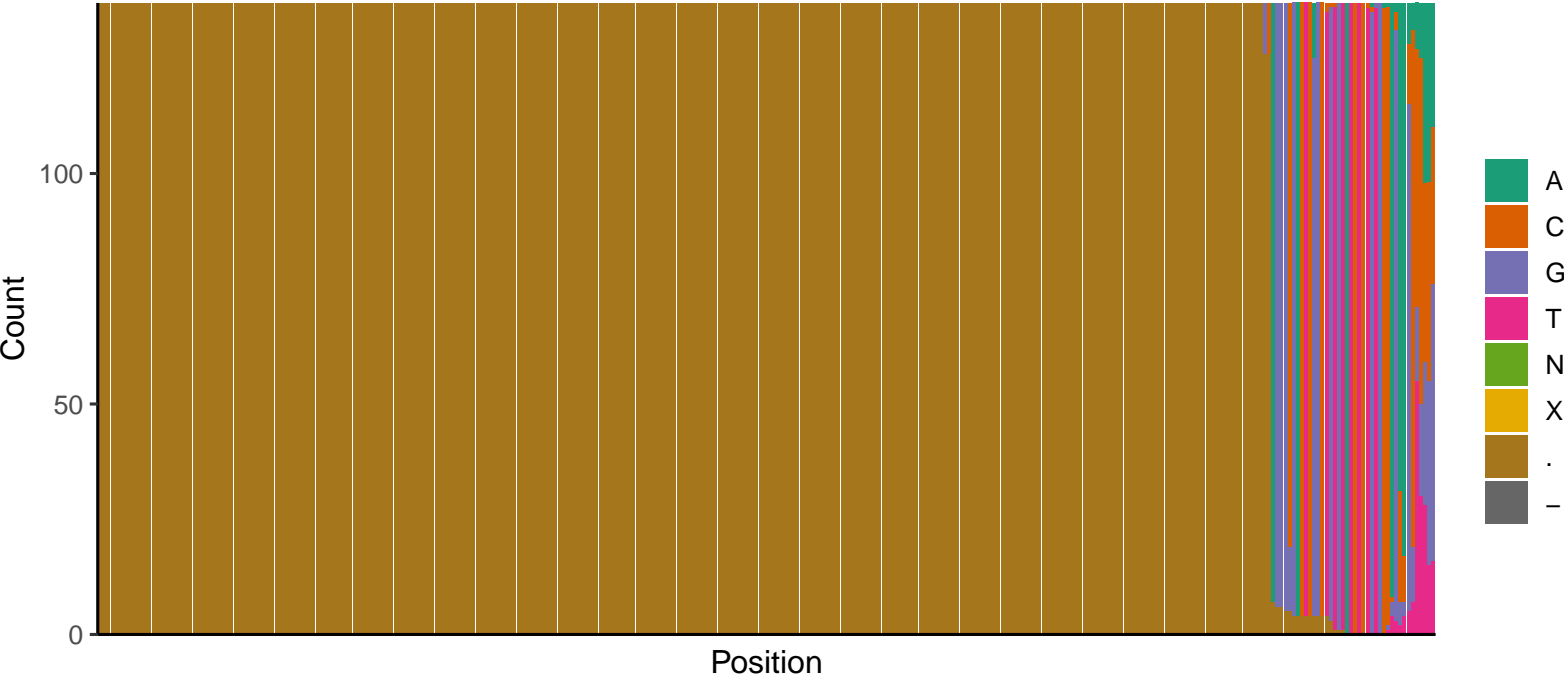


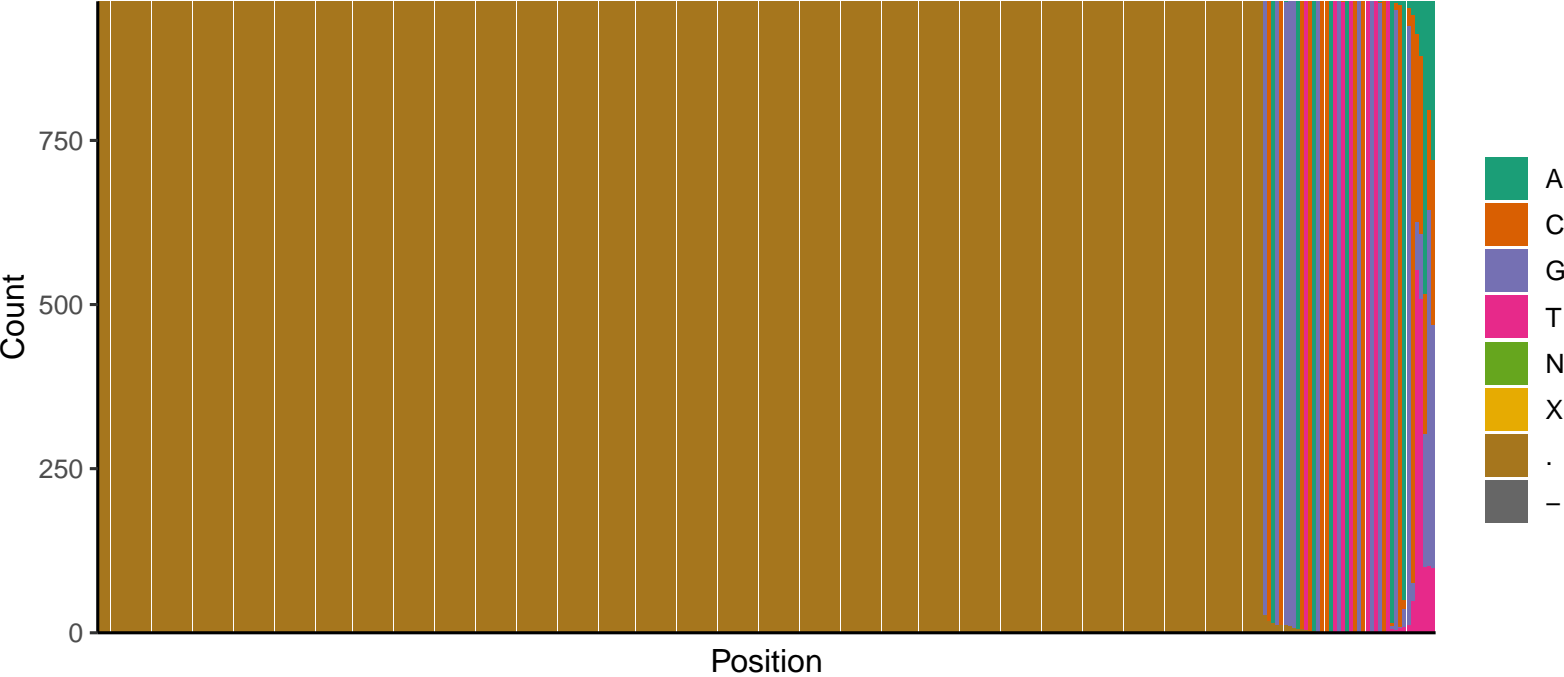
Gene TRBV7-1*ap01_T296C



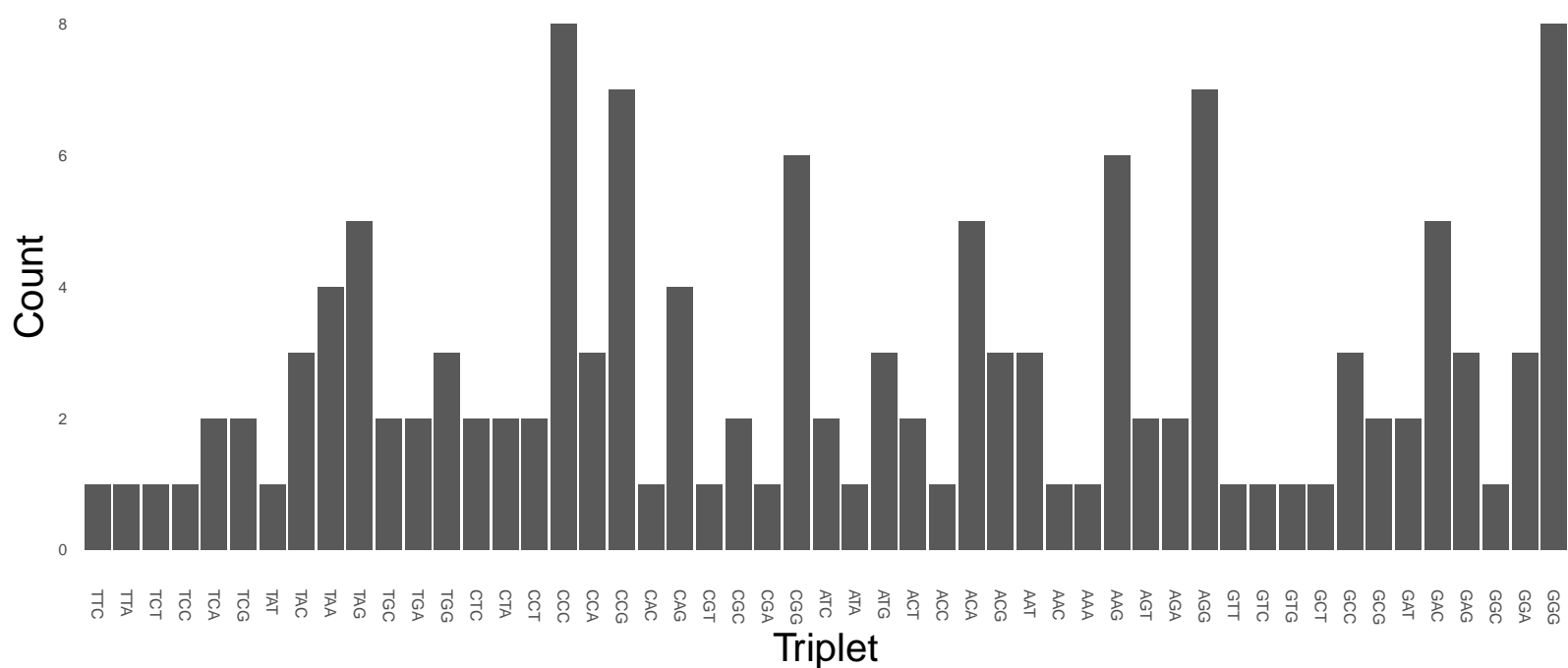
Gene TRBV7-1*ap01_T296C



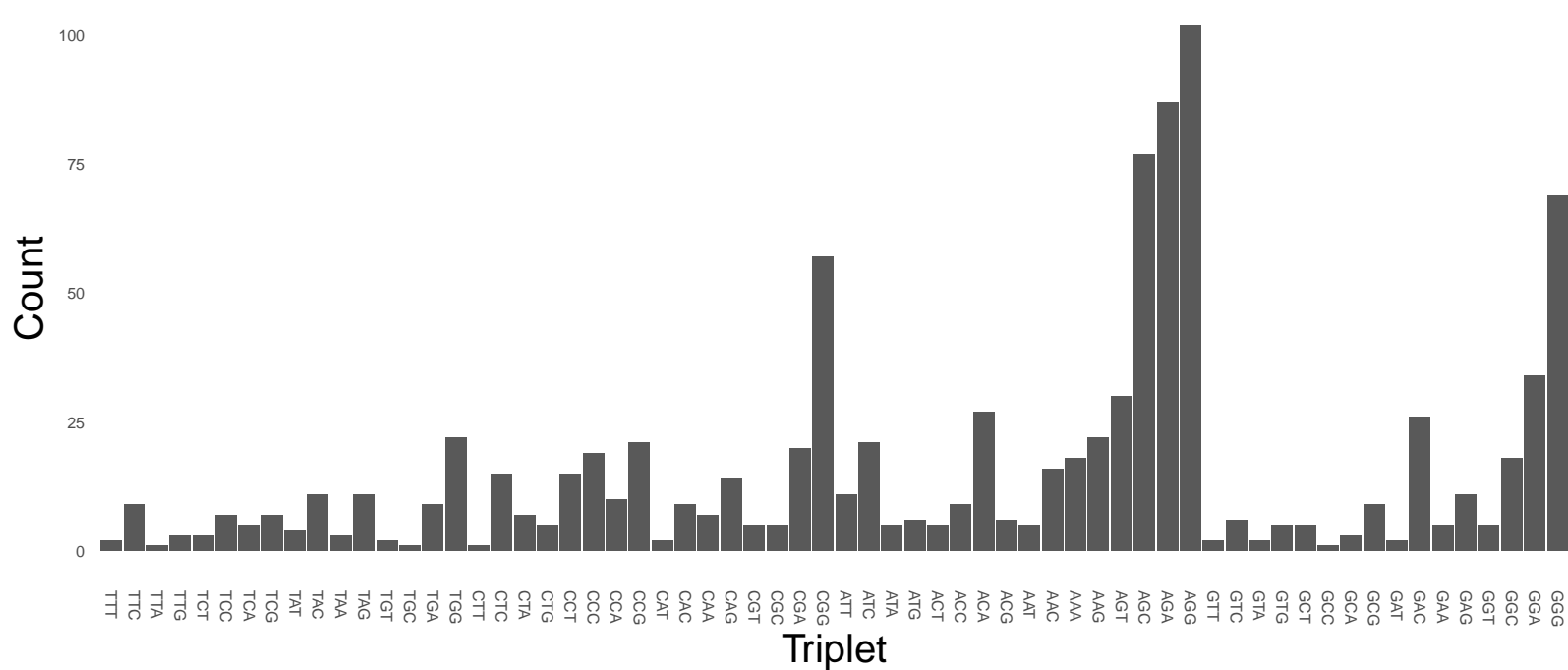
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

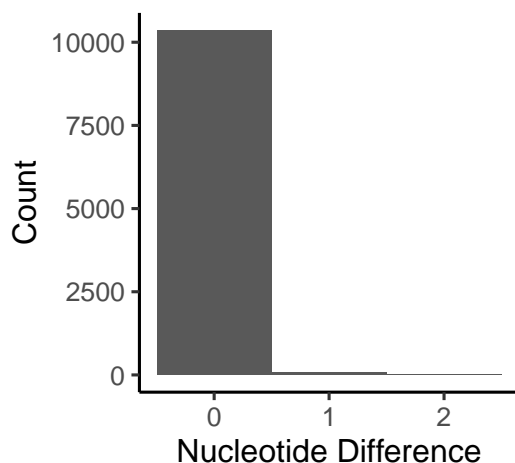


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



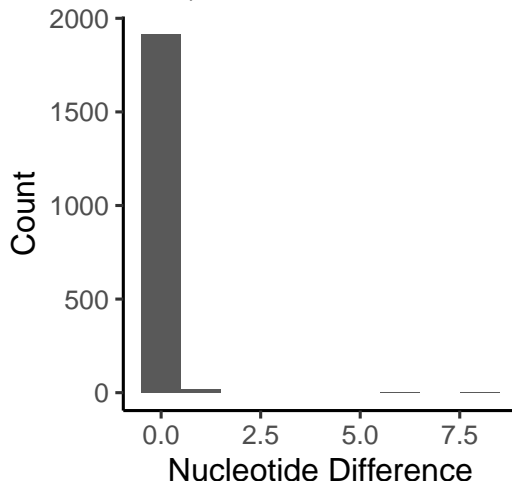
TRBV20-1*ap01

10441 sequences assigned
10363 (99.3%) exact matches, in which:
10301 unique CDR3
13 unique J



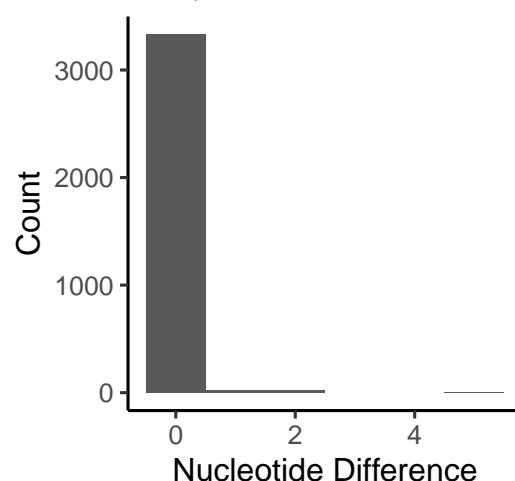
TRBV10-2*ap01

1933 sequences assigned
1914 (99%) exact matches, in which:
1912 unique CDR3
13 unique J



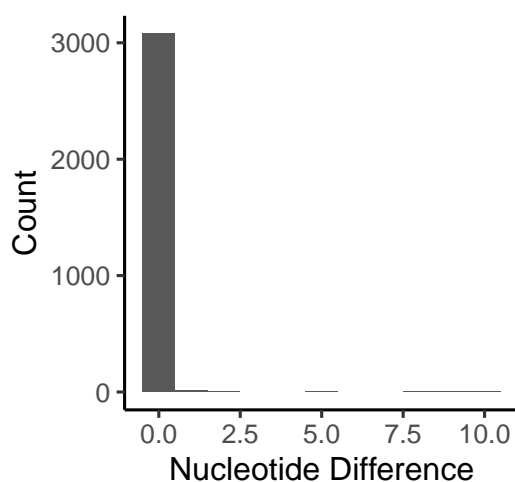
TRBV13*ap01

3384 sequences assigned
3331 (98.4%) exact matches, in which:
3313 unique CDR3
13 unique J



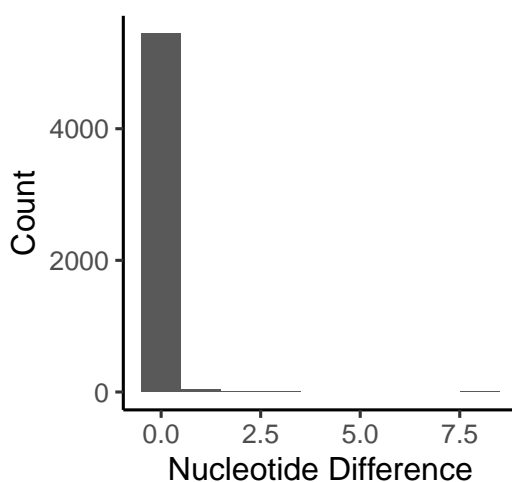
TRBV10-1*ap01

3093 sequences assigned
3078 (99.5%) exact matches, in which:
3067 unique CDR3
13 unique J



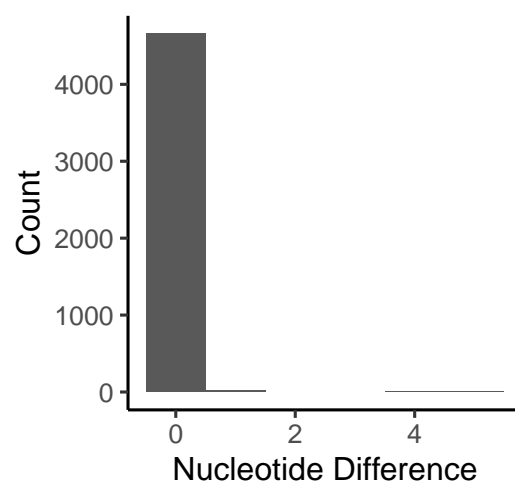
TRBV10-3*ap01

5492 sequences assigned
5443 (99.1%) exact matches, in which:
5419 unique CDR3
13 unique J



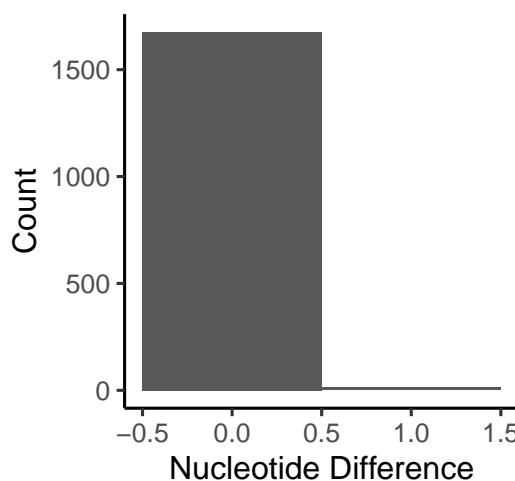
TRBV14*ap01

4675 sequences assigned
4658 (99.6%) exact matches, in which:
4642 unique CDR3
13 unique J



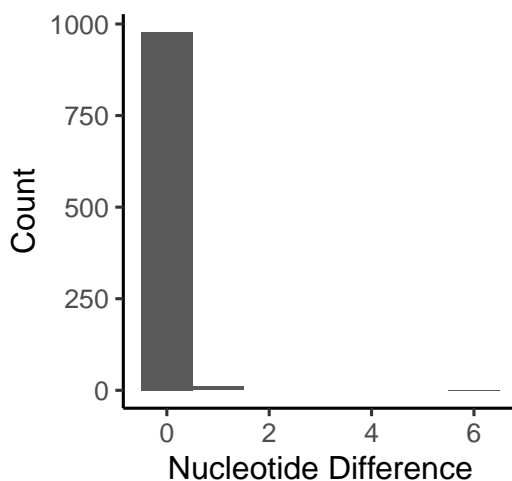
TRBV20-1*ap02

1689 sequences assigned
1676 (99.2%) exact matches, in which:
1670 unique CDR3
13 unique J



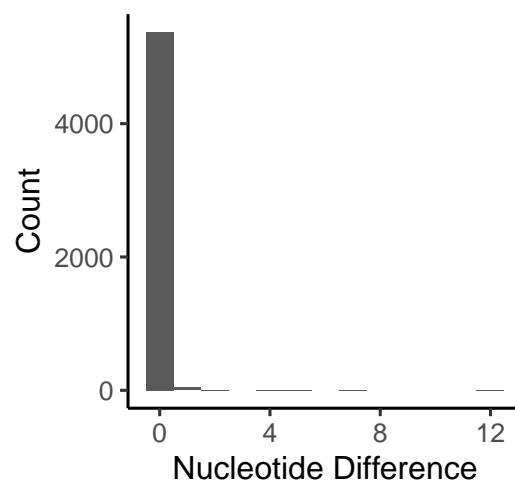
TRBV1*ap01

989 sequences assigned
978 (98.9%) exact matches, in which:
959 unique CDR3
14 unique J



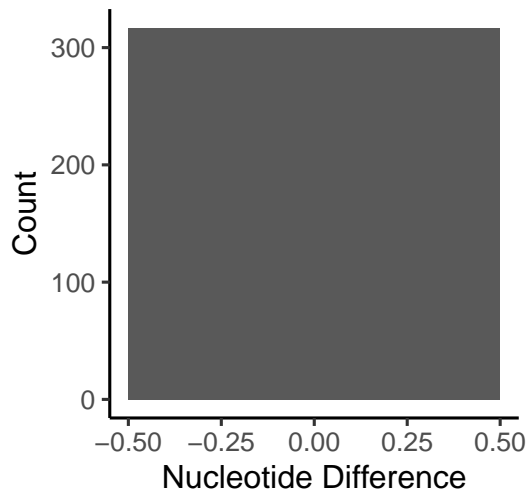
TRBV15*ap02

5422 sequences assigned
5374 (99.1%) exact matches, in which:
5330 unique CDR3
13 unique J



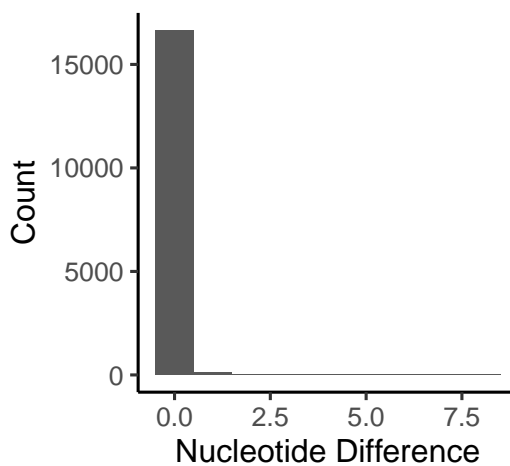
TRBV16*ap01

317 sequences assigned
317 (100%) exact matches, in which:
315 unique CDR3
13 unique J



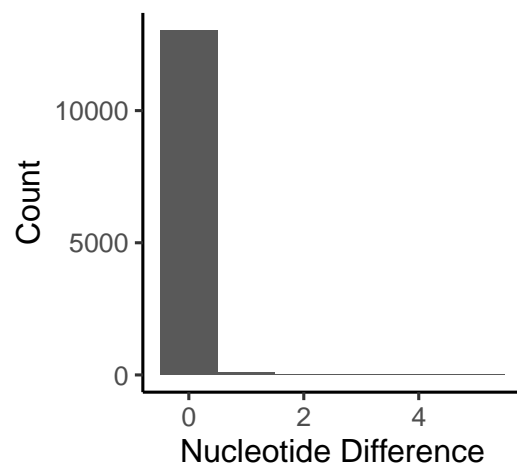
TRBV19*ap01

16772 sequences assigned
16656 (99.3%) exact matches, in which:
16615 unique CDR3
14 unique J



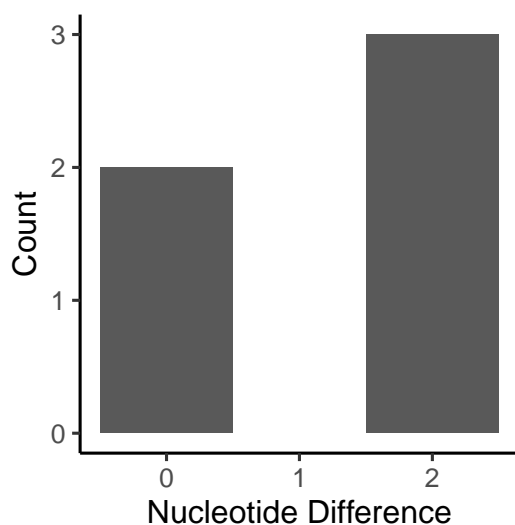
TRBV27*ap01

13145 sequences assigned
13044 (99.2%) exact matches, in which:
12993 unique CDR3
13 unique J



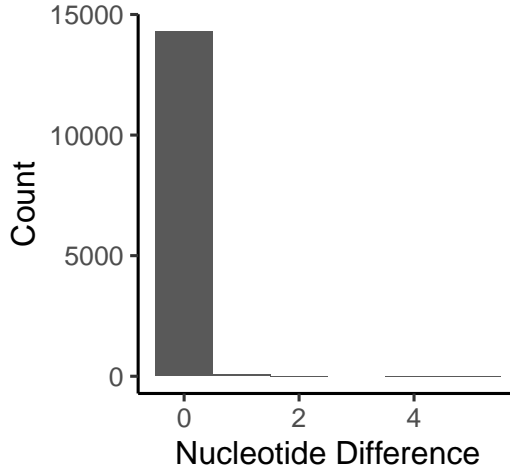
TRBV17*ap01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
2 unique J



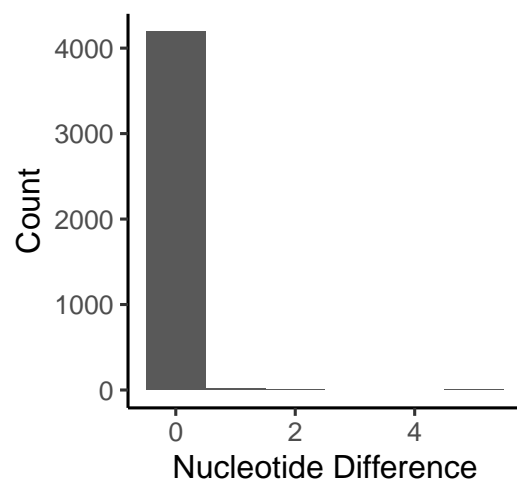
TRBV2*ap01

14379 sequences assigned
14296 (99.4%) exact matches, in which:
14225 unique CDR3
13 unique J



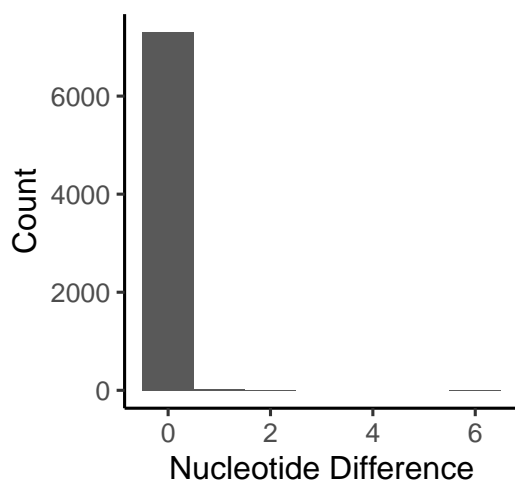
TRBV28*ap01

4215 sequences assigned
4192 (99.5%) exact matches, in which:
4169 unique CDR3
13 unique J



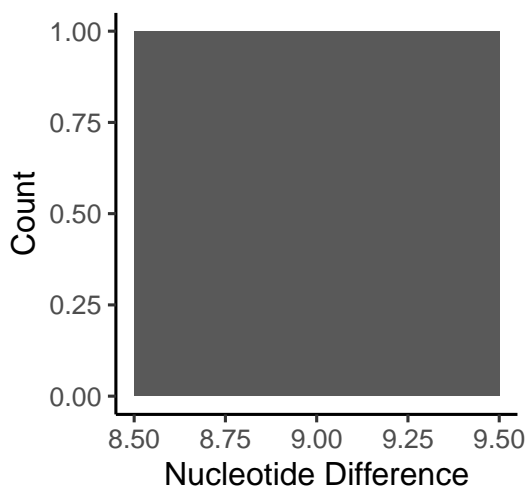
TRBV18*ap01

7338 sequences assigned
7306 (99.6%) exact matches, in which:
7291 unique CDR3
13 unique J



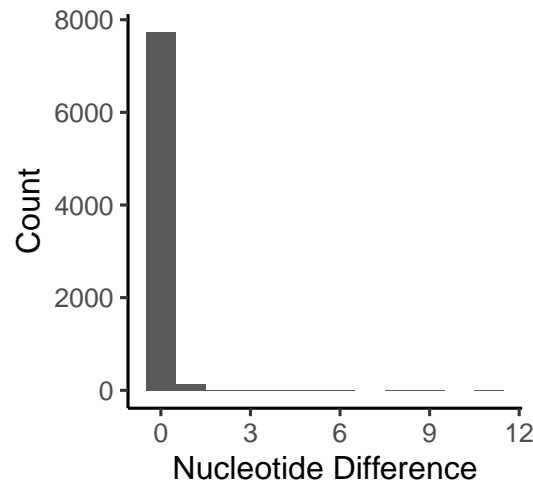
TRBV26*ap01

1 sequences assigned
No exact matches.



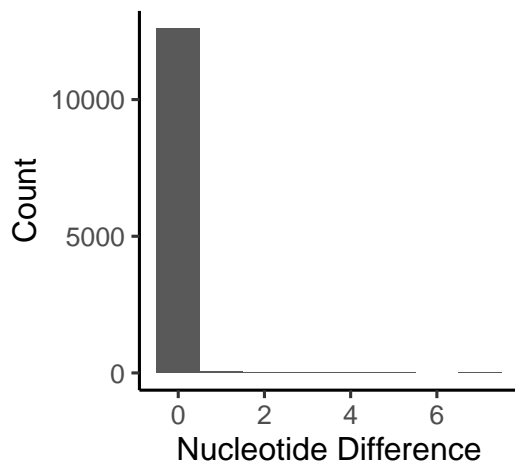
TRBV30*ap02

7894 sequences assigned
7734 (98%) exact matches, in which:
7623 unique CDR3
13 unique J



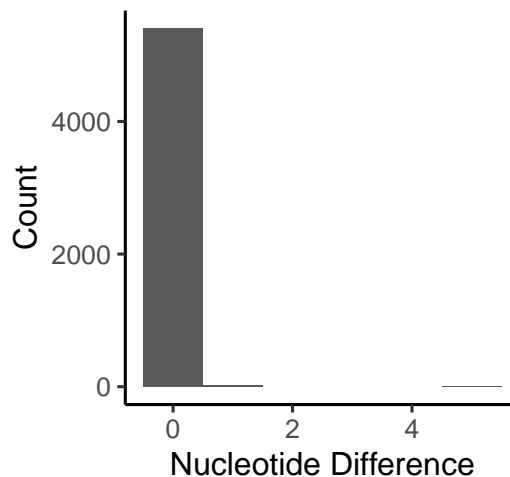
TRBV9*ap01

12682 sequences assigned
12613 (99.5%) exact matches, in which:
12558 unique CDR3
13 unique J



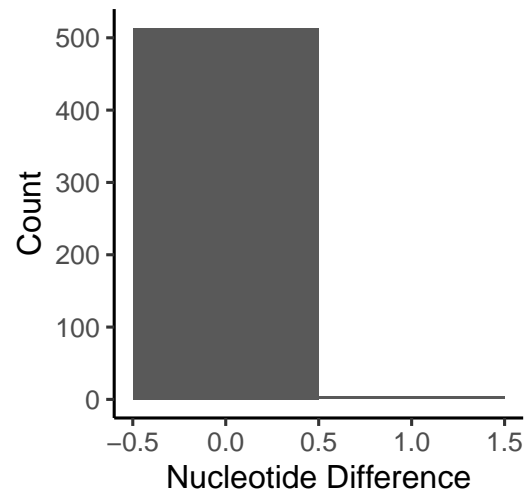
TRBV11-2*ap01

5424 sequences assigned
5404 (99.6%) exact matches, in which:
5386 unique CDR3
13 unique J



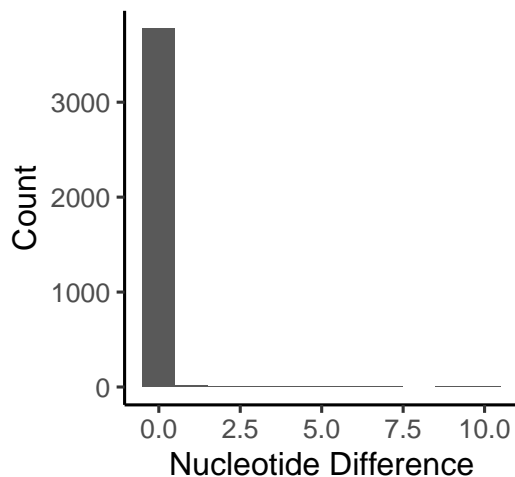
TRBV12-2*ap01

518 sequences assigned
514 (99.2%) exact matches, in which:
511 unique CDR3
13 unique J



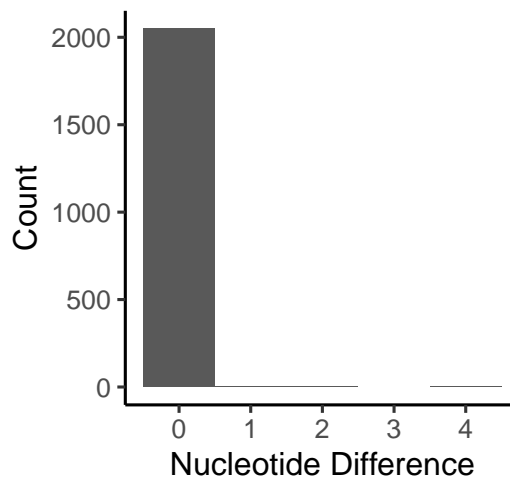
TRBV21-1*ap01

3818 sequences assigned
3774 (98.8%) exact matches, in which:
3766 unique CDR3
13 unique J



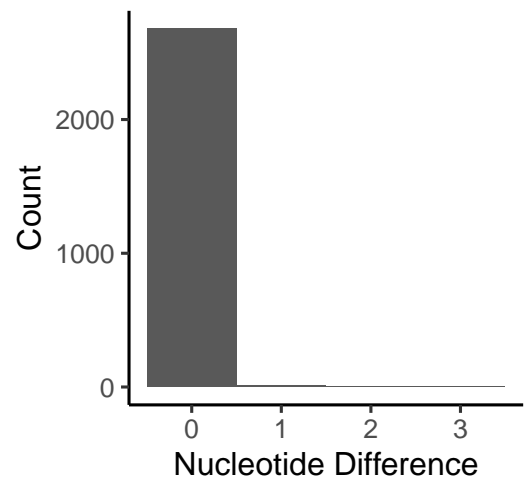
TRBV11-3*ap01

2052 sequences assigned
2049 (99.9%) exact matches, in which:
2042 unique CDR3
13 unique J



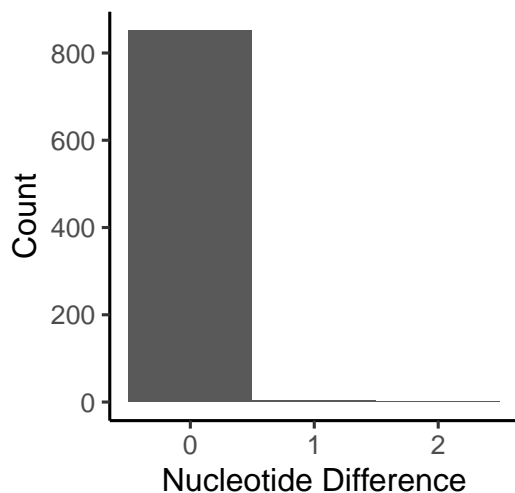
TRBV12-5*ap01

2696 sequences assigned
2679 (99.4%) exact matches, in which:
2665 unique CDR3
13 unique J



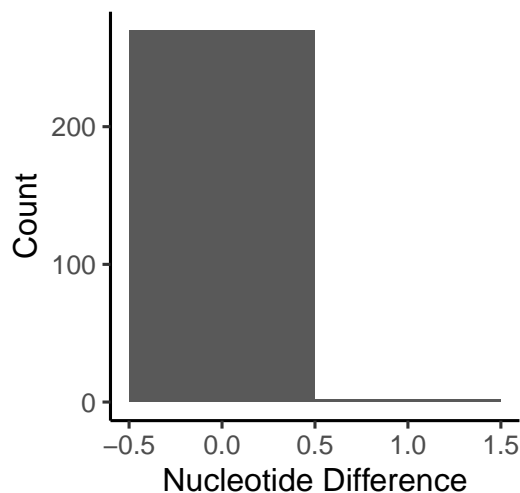
TRBV11-1*ap01

856 sequences assigned
852 (99.5%) exact matches, in which:
849 unique CDR3
13 unique J



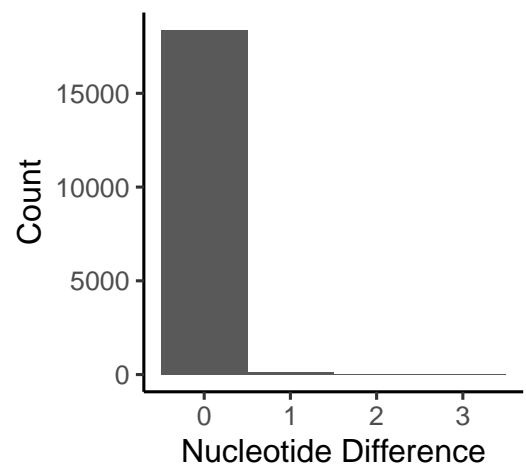
TRBV12-1*ap01

272 sequences assigned
270 (99.3%) exact matches, in which:
269 unique CDR3
13 unique J



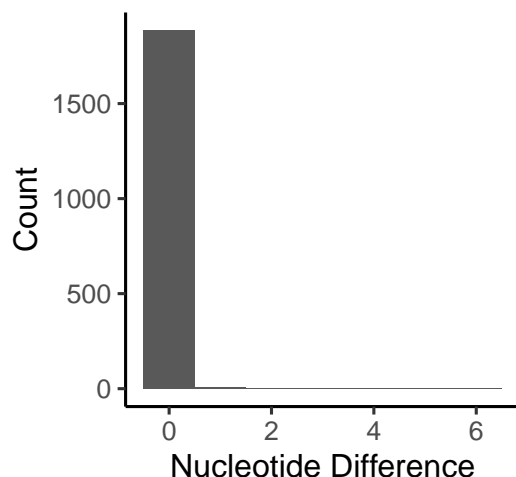
TRBV12-34*ap01

18526 sequences assigned
18388 (99.3%) exact matches, in which:
18274 unique CDR3
13 unique J



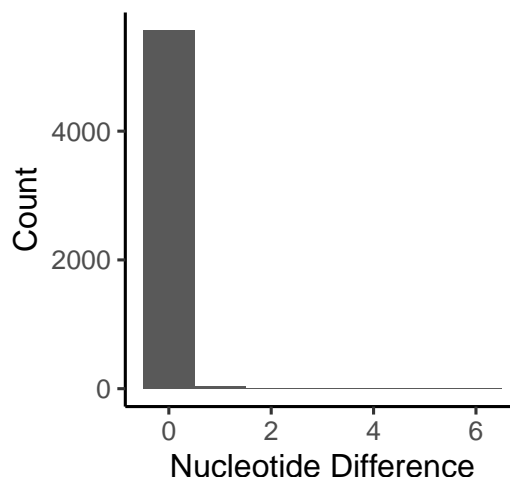
TRBV23-1*ap01

1902 sequences assigned
1885 (99.1%) exact matches, in which:
1877 unique CDR3
13 unique J



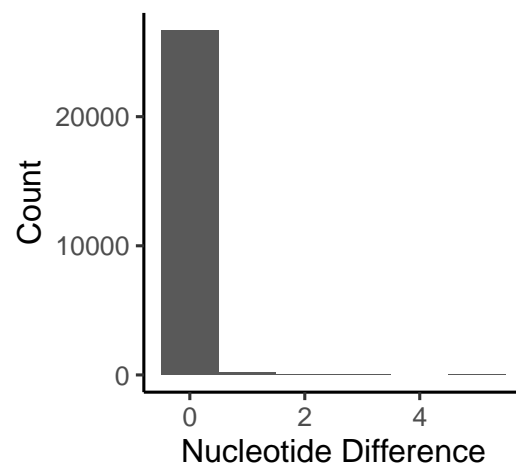
TRBV24-1*ap01

5624 sequences assigned
5565 (99%) exact matches, in which:
5524 unique CDR3
13 unique J



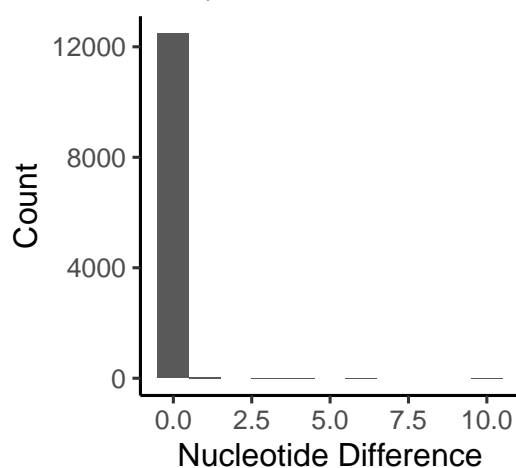
TRBV5-1*ap01

26894 sequences assigned
26699 (99.3%) exact matches, in which:
26496 unique CDR3
13 unique J



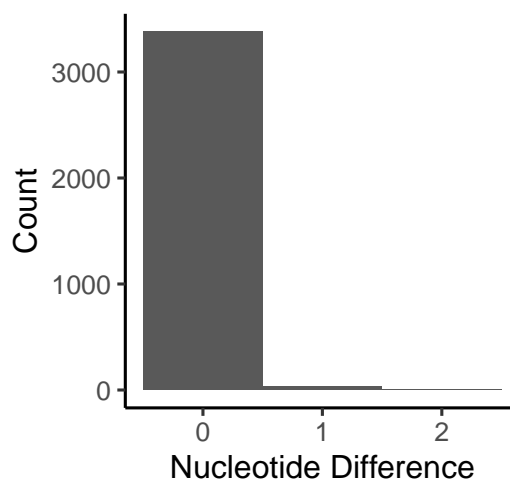
TRBV3-12*ap01

12538 sequences assigned
12483 (99.6%) exact matches, in which:
12454 unique CDR3
13 unique J



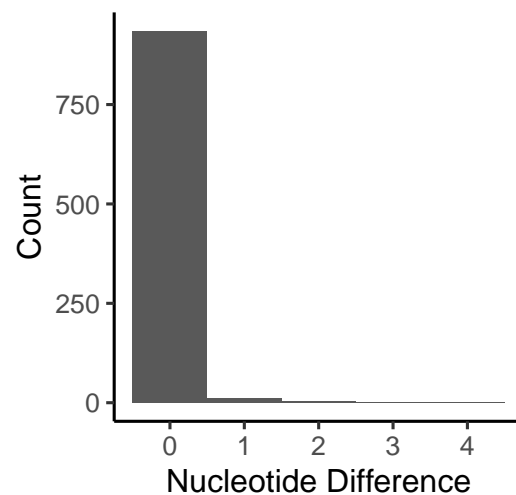
TRBV4-2*ap01

3410 sequences assigned
3380 (99.1%) exact matches, in which:
3362 unique CDR3
13 unique J



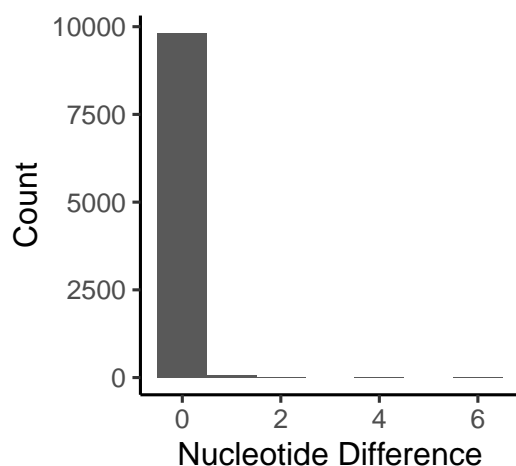
TRBV5-3*ap01

955 sequences assigned
935 (97.9%) exact matches, in which:
920 unique CDR3
13 unique J



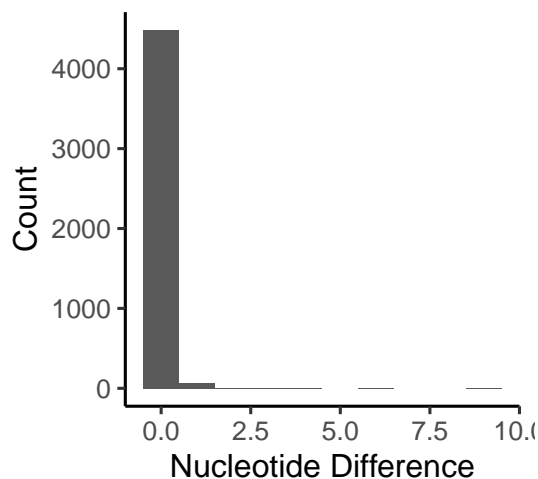
TRBV4-1*ap01

9907 sequences assigned
9826 (99.2%) exact matches, in which:
9728 unique CDR3
13 unique J



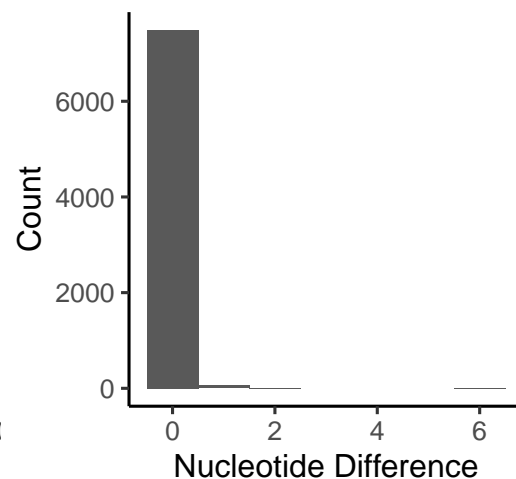
TRBV25-1*ap01

4559 sequences assigned
4484 (98.4%) exact matches, in which:
4435 unique CDR3
13 unique J



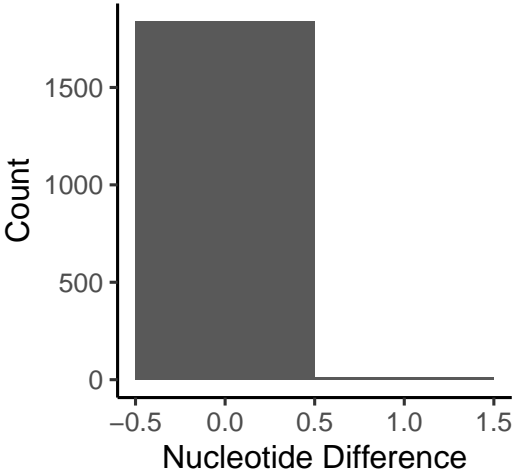
TRBV5-4*ap01

7550 sequences assigned
7489 (99.2%) exact matches, in which:
7423 unique CDR3
13 unique J



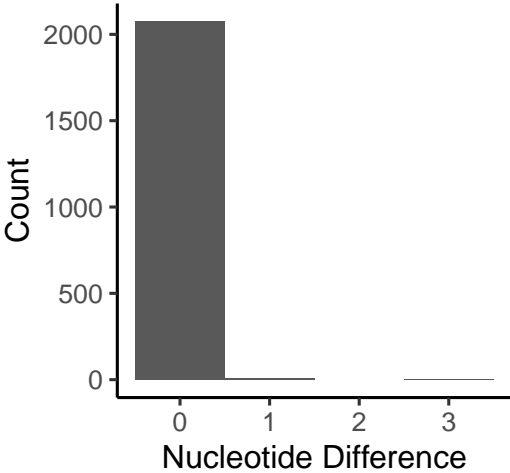
TRBV5-5*ap01

1854 sequences assigned
1839 (99.2%) exact matches, in which:
1835 unique CDR3
13 unique J



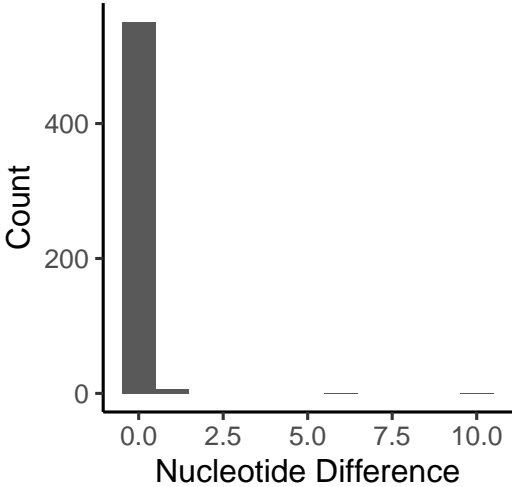
TRBV5-8*ap01

2086 sequences assigned
2075 (99.5%) exact matches, in which:
2064 unique CDR3
13 unique J



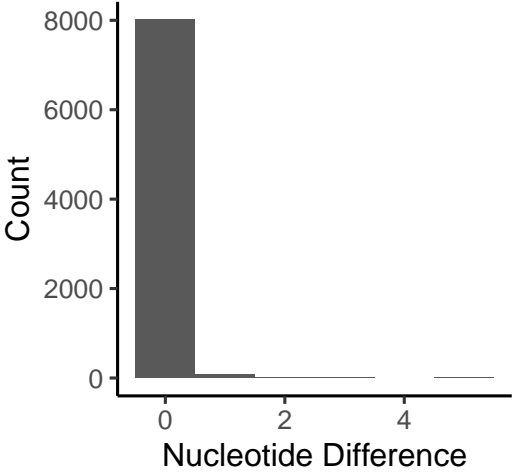
TRBV6-7*ap01

560 sequences assigned
551 (98.4%) exact matches, in which:
547 unique CDR3
13 unique J



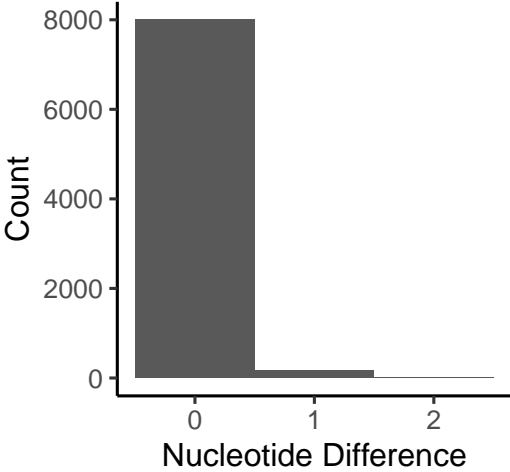
TRBV5-6*ap01

8105 sequences assigned
8013 (98.9%) exact matches, in which:
7904 unique CDR3
13 unique J



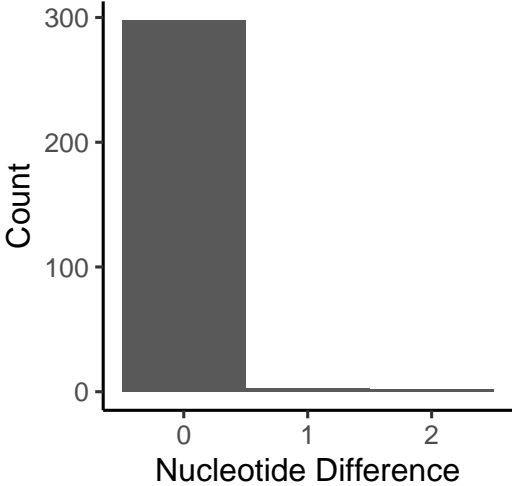
TRBV6-1*ap01

8163 sequences assigned
8001 (98%) exact matches, in which:
7950 unique CDR3
13 unique J



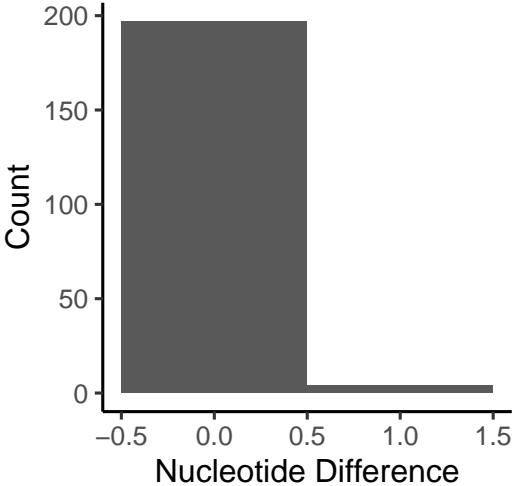
TRBV6-8*ap01

303 sequences assigned
298 (98.3%) exact matches, in which:
297 unique CDR3
13 unique J



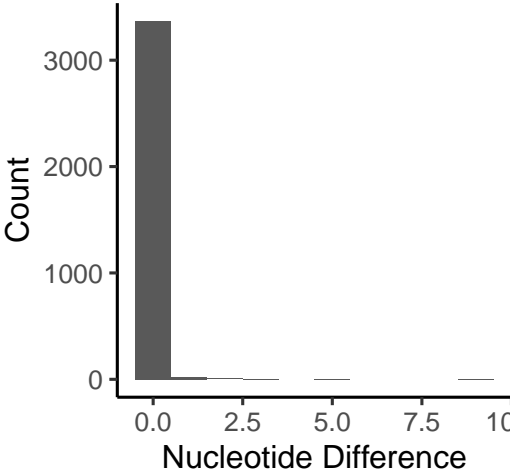
TRBV5-7*ap01

201 sequences assigned
197 (98%) exact matches, in which:
196 unique CDR3
13 unique J



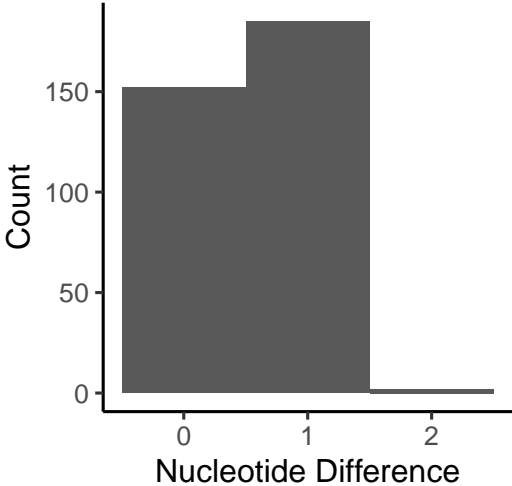
TRBV6-4*ap01

3404 sequences assigned
3368 (98.9%) exact matches, in which:
3354 unique CDR3
13 unique J



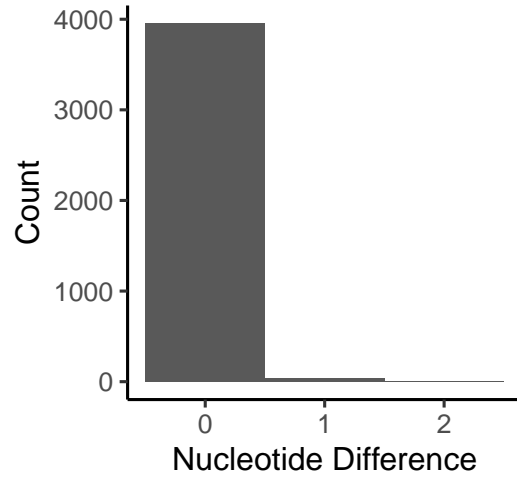
TRBV6-9*ap01

339 sequences assigned
152 (44.8%) exact matches, in which:
150 unique CDR3
13 unique J



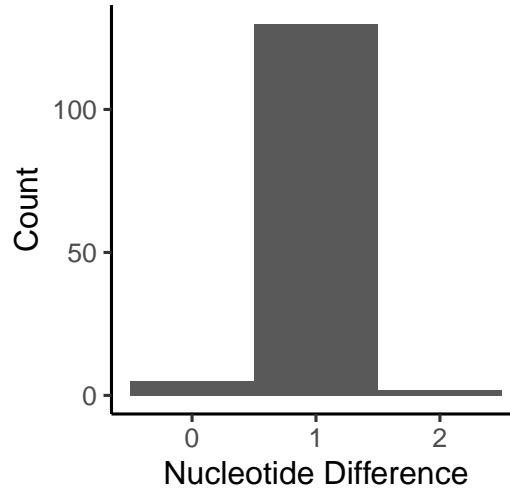
TRBV6-23*ap01

3990 sequences assigned
3954 (99.1%) exact matches, in which:
3912 unique CDR3
13 unique J



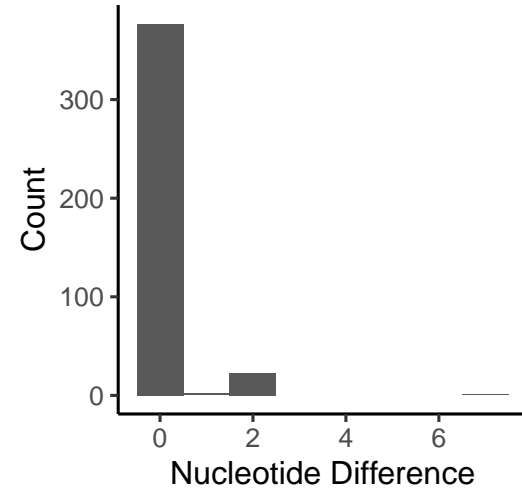
TRBV7-1*ap01_T296C

137 sequences assigned
5 (3.6%) exact matches, in which:
5 unique CDR3
5 unique J



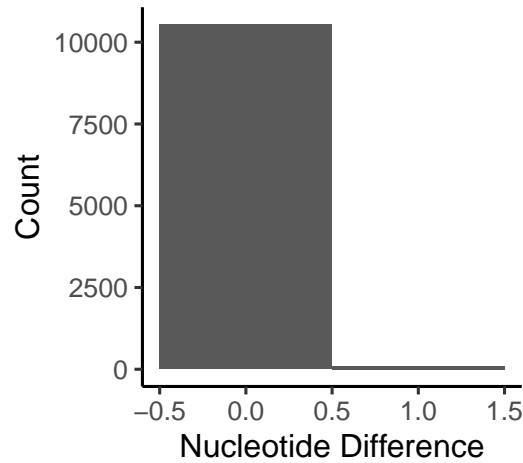
TRBV7-4*ap01

403 sequences assigned
377 (93.5%) exact matches, in which:
373 unique CDR3
13 unique J



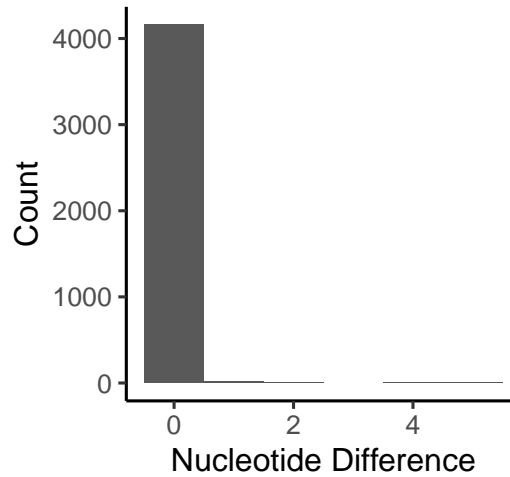
TRBV6-56*ap01

10640 sequences assigned
10542 (99.1%) exact matches, in which:
10444 unique CDR3
13 unique J



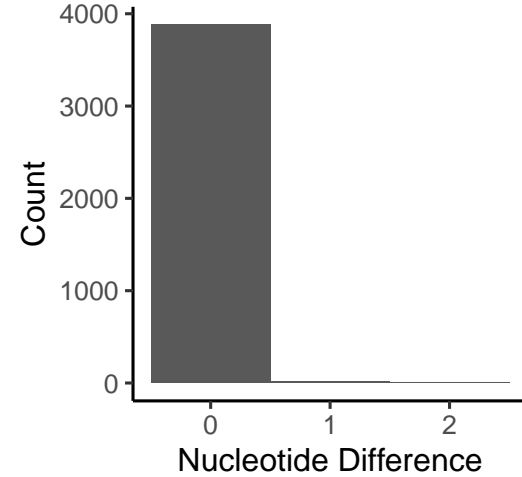
TRBV7-2*ap01

4183 sequences assigned
4160 (99.5%) exact matches, in which:
4146 unique CDR3
13 unique J



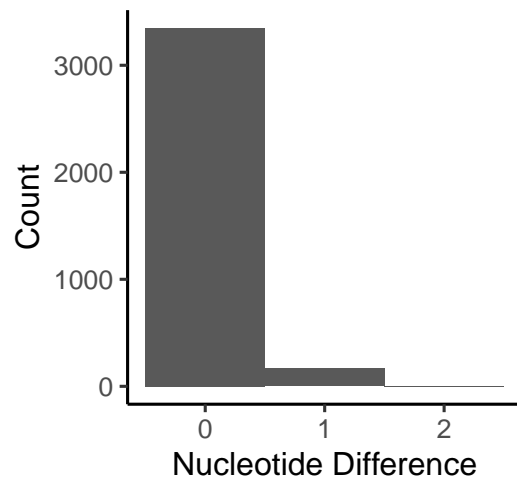
TRBV7-6*ap01

3901 sequences assigned
3881 (99.5%) exact matches, in which:
3861 unique CDR3
13 unique J



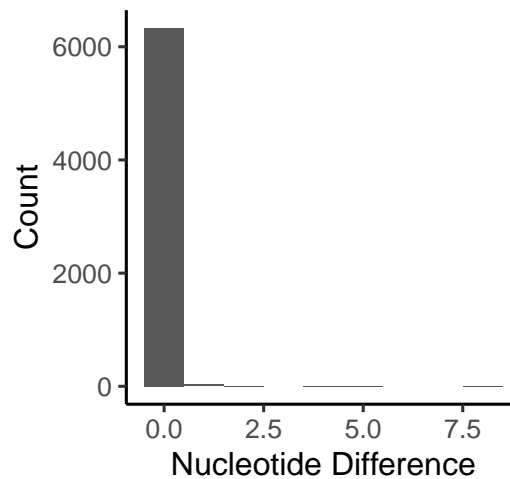
TRBV6-56*ap02

3516 sequences assigned
3348 (95.2%) exact matches, in which:
3316 unique CDR3
13 unique J



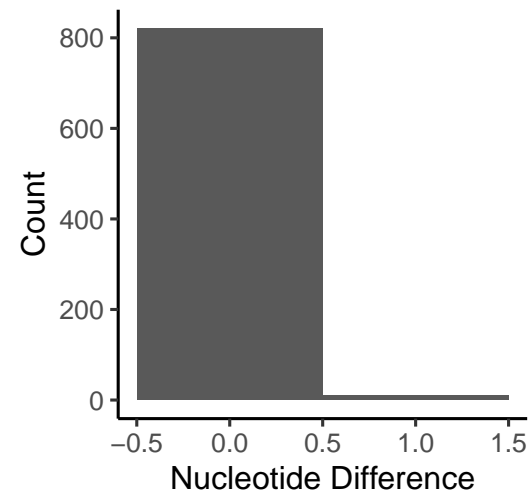
TRBV7-3*ap01

6367 sequences assigned
6331 (99.4%) exact matches, in which:
6308 unique CDR3
13 unique J



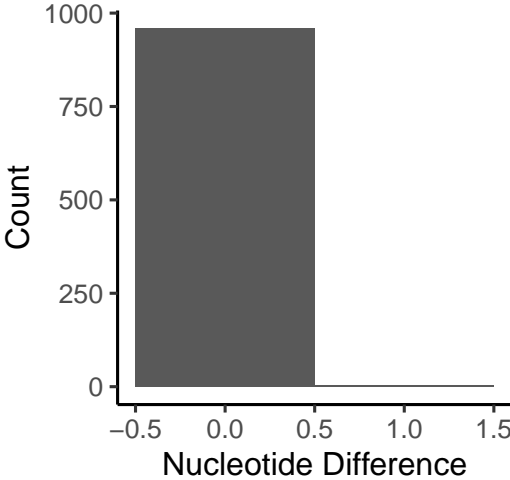
TRBV7-7*ap01

830 sequences assigned
821 (98.9%) exact matches, in which:
816 unique CDR3
13 unique J



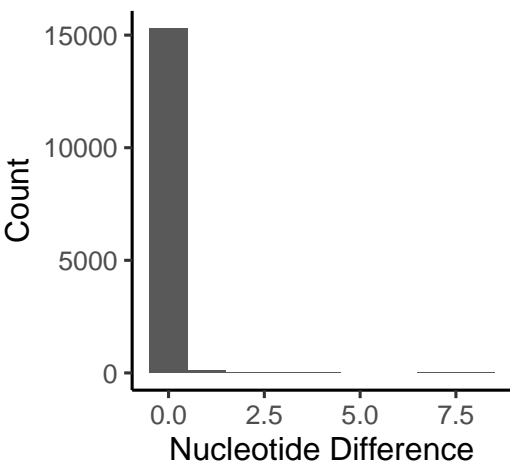
TRBV7-7*ap01_C315T

962 sequences assigned
959 (99.7%) exact matches, in which:
958 unique CDR3
13 unique J



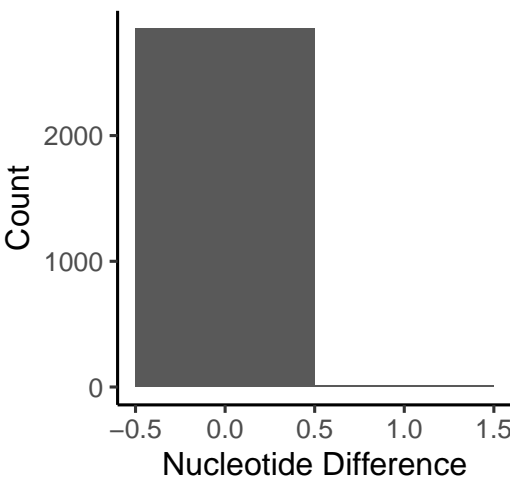
TRBV7-9*ap01

15408 sequences assigned
15309 (99.4%) exact matches, in which:
15226 unique CDR3
13 unique J



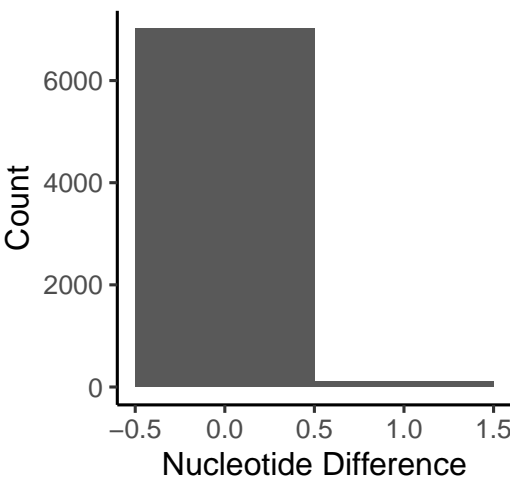
TRBV7-8*ap01

2866 sequences assigned
2850 (99.4%) exact matches, in which:
2844 unique CDR3
13 unique J



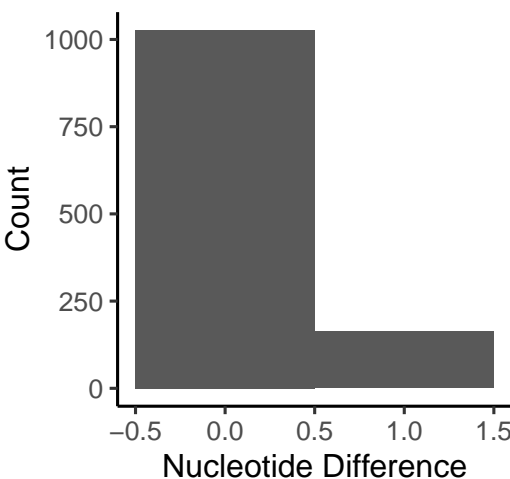
TRBV29-1*ap01

7122 sequences assigned
7015 (98.5%) exact matches, in which:
6861 unique CDR3
13 unique J



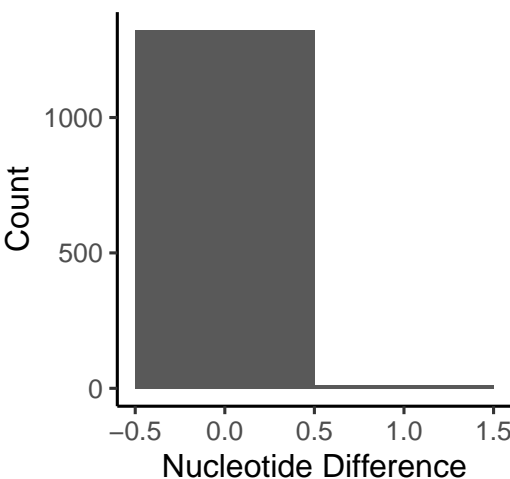
TRBV7-8*ap03

1190 sequences assigned
1027 (86.3%) exact matches, in which:
1022 unique CDR3
13 unique J

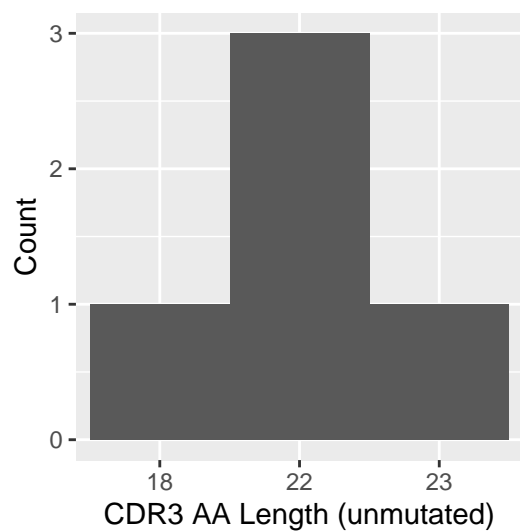


TRBV29-1*ap02

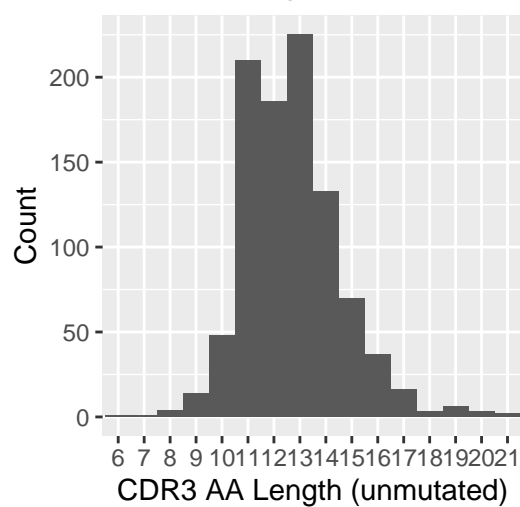
1336 sequences assigned
1323 (99%) exact matches, in which:
1297 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]