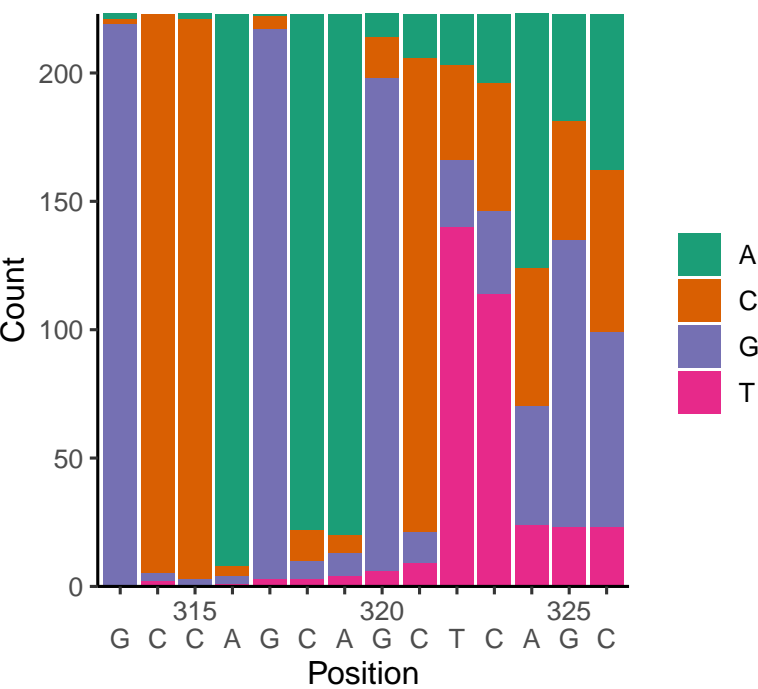
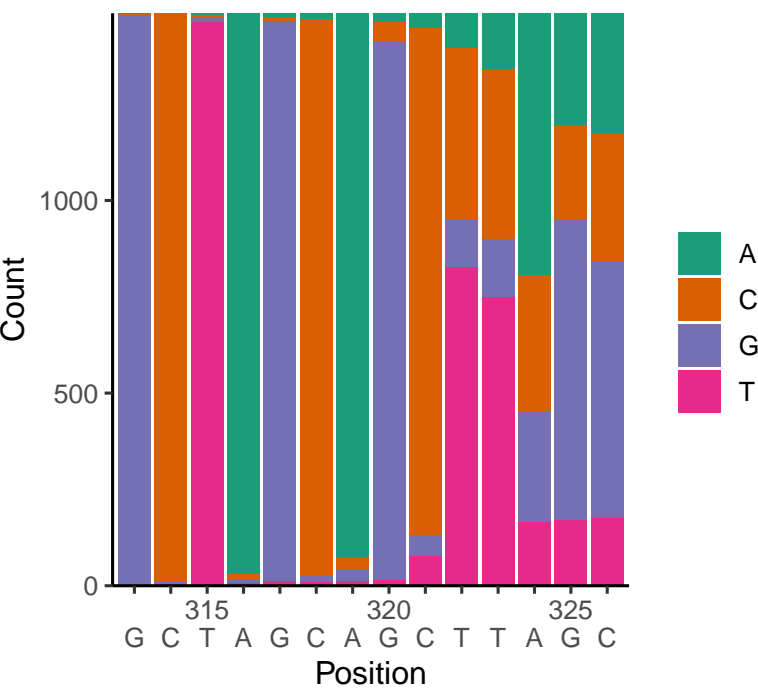


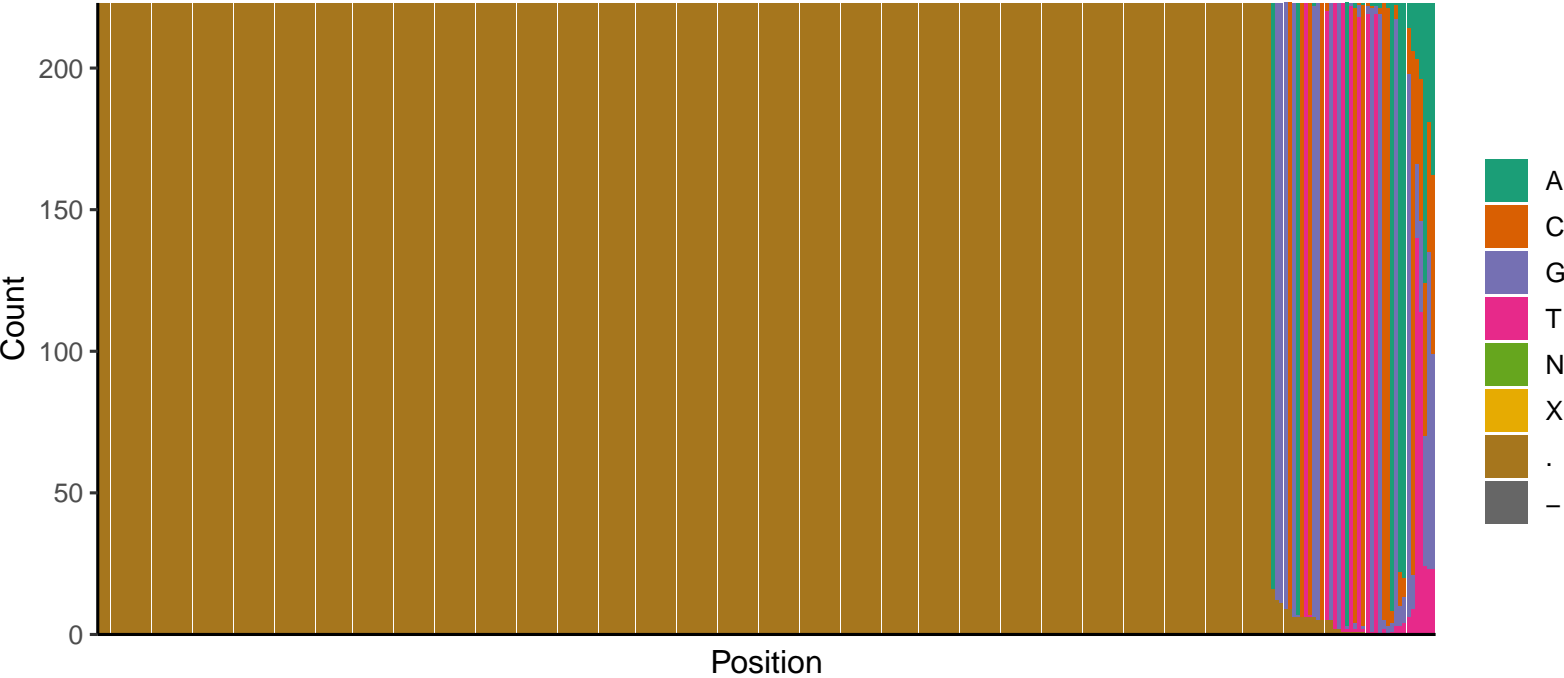
Gene TRBV7-1*ap01_G291C_T296C



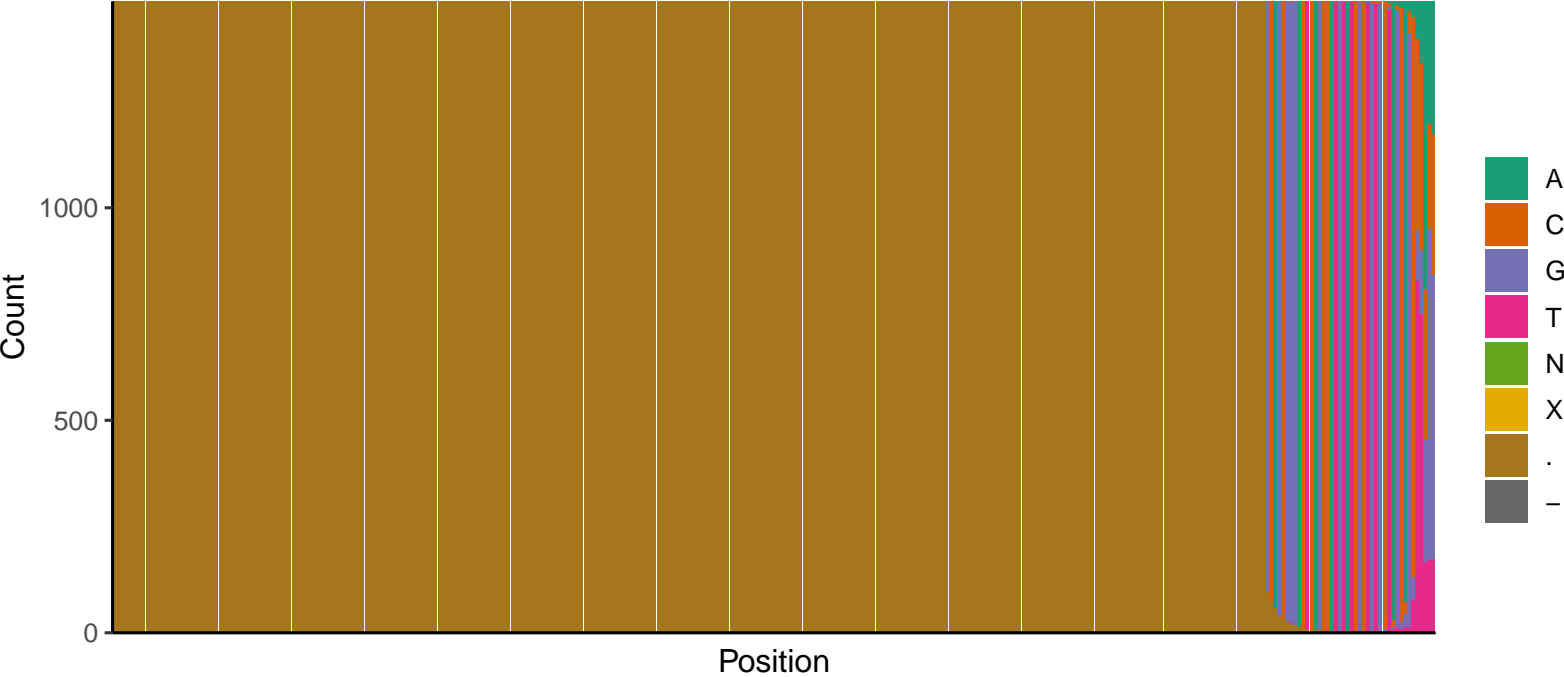
Gene TRBV7-7*ap01_C315T



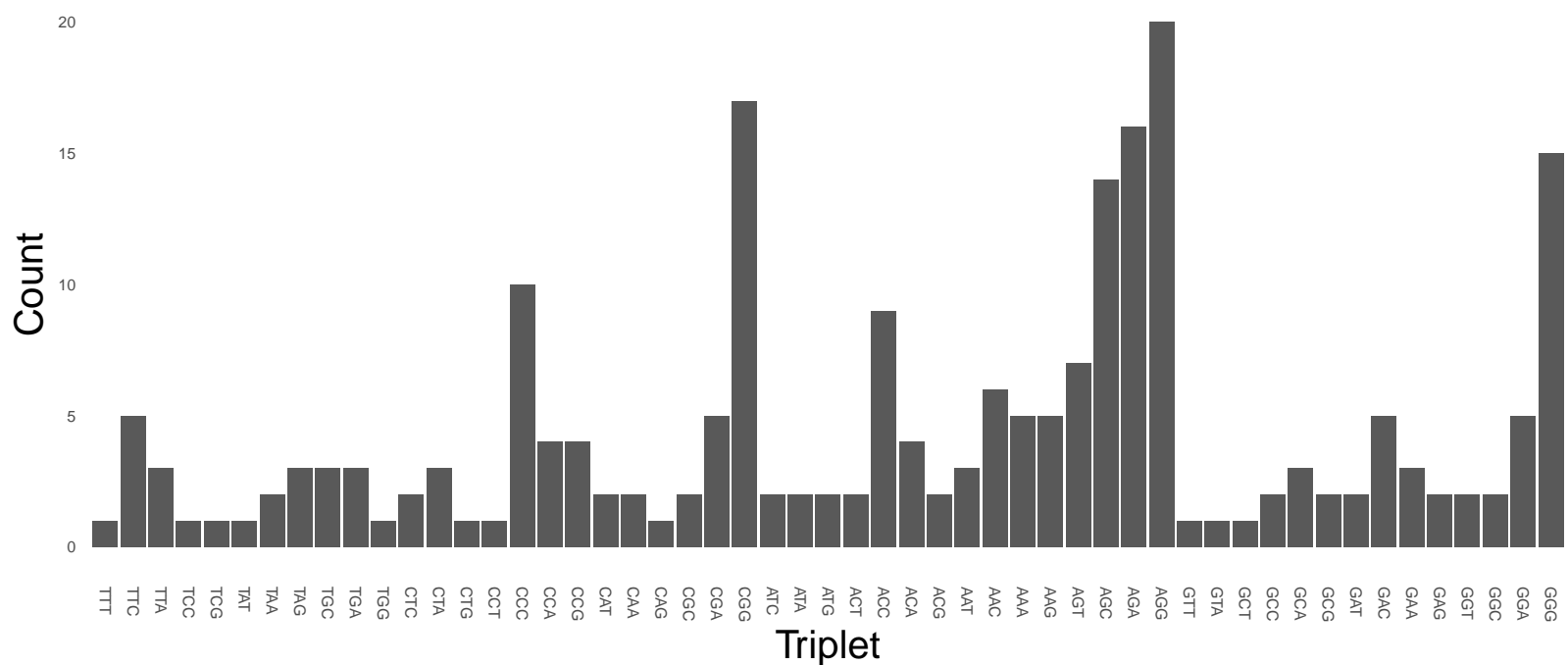
Gene TRBV7-1*ap01_G291C_T296C



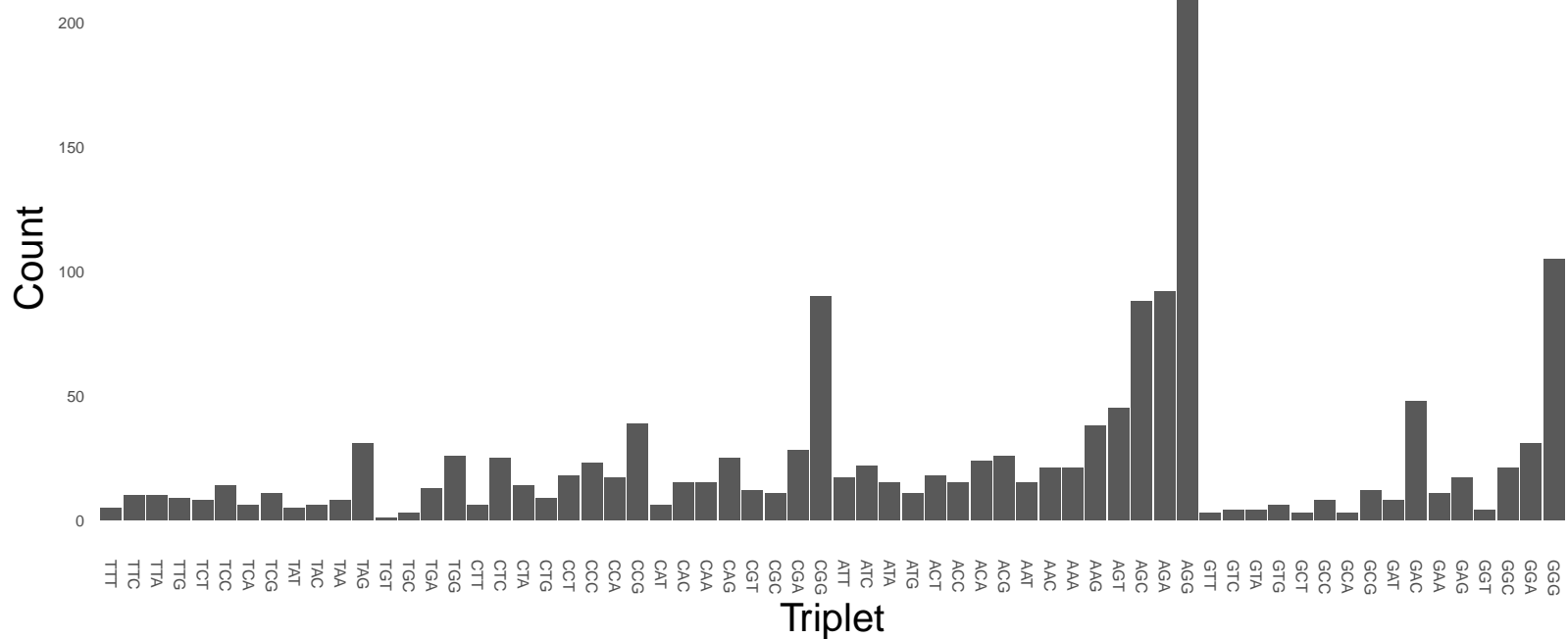
Gene TRBV7-7*ap01_C315T



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

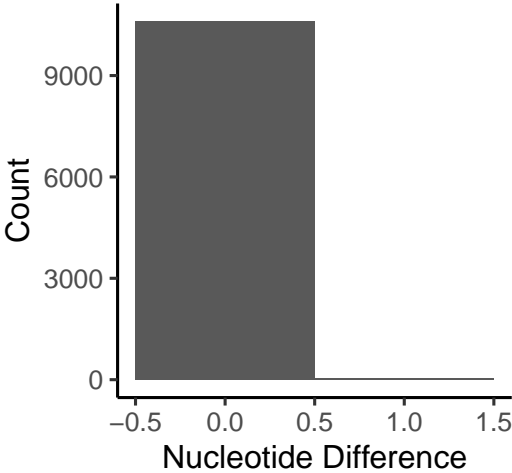


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



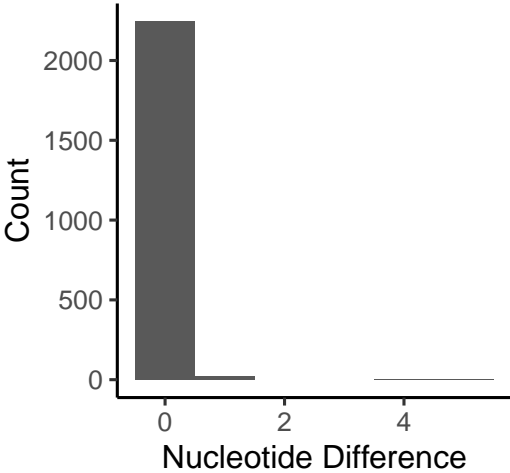
TRBV20-1*ap01

10647 sequences assigned
10603 (99.6%) exact matches, in which:
10543 unique CDR3
13 unique J



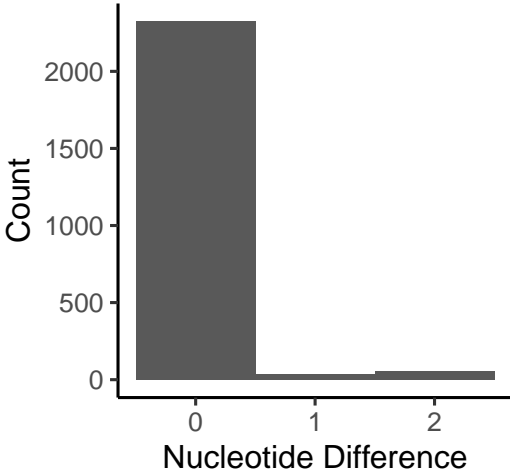
TRBV10-2*ap01

2266 sequences assigned
2245 (99.1%) exact matches, in which:
2229 unique CDR3
13 unique J



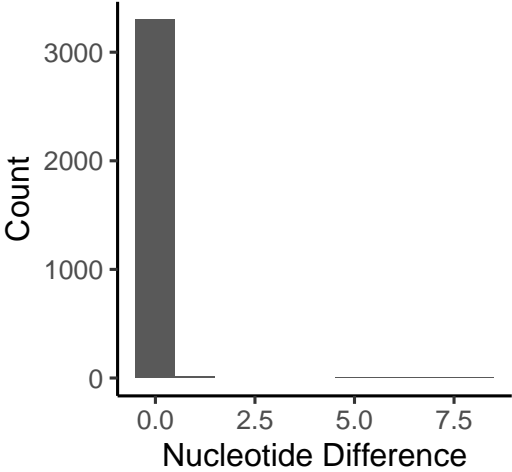
TRBV13*ap01

2415 sequences assigned
2324 (96.2%) exact matches, in which:
2292 unique CDR3
13 unique J



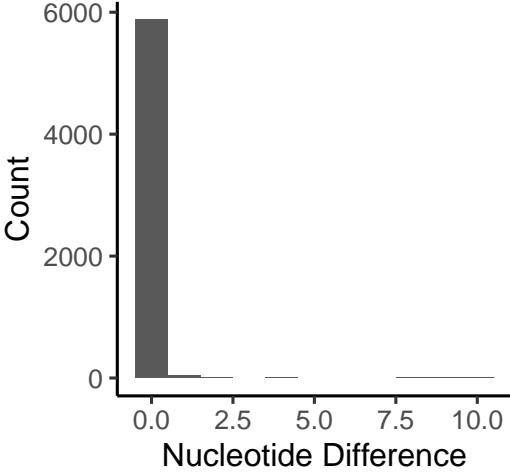
TRBV10-1*ap01

3316 sequences assigned
3299 (99.5%) exact matches, in which:
3265 unique CDR3
13 unique J



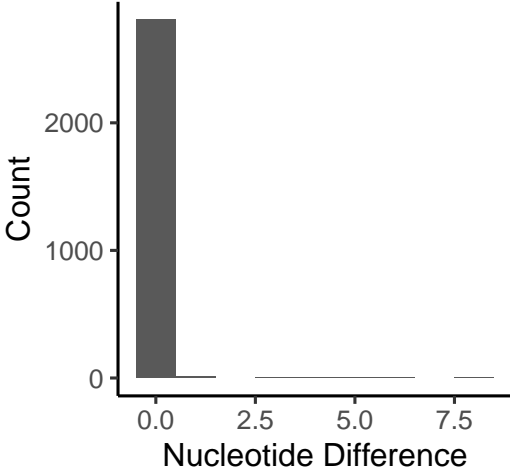
TRBV10-3*ap01

5933 sequences assigned
5877 (99.1%) exact matches, in which:
5822 unique CDR3
13 unique J



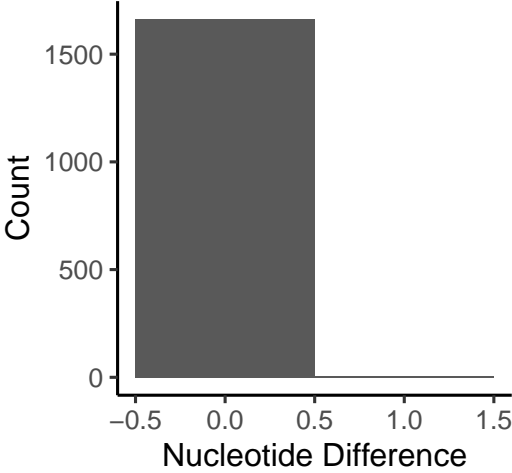
TRBV14*ap01

2827 sequences assigned
2808 (99.3%) exact matches, in which:
2780 unique CDR3
13 unique J



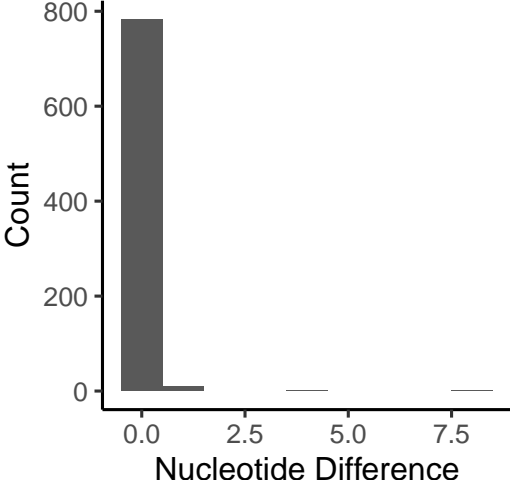
TRBV20-1*ap02

1670 sequences assigned
1663 (99.6%) exact matches, in which:
1653 unique CDR3
13 unique J



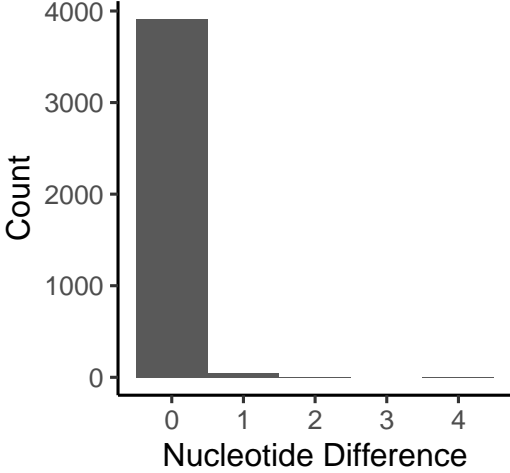
TRBV1*ap01

795 sequences assigned
783 (98.5%) exact matches, in which:
772 unique CDR3
13 unique J



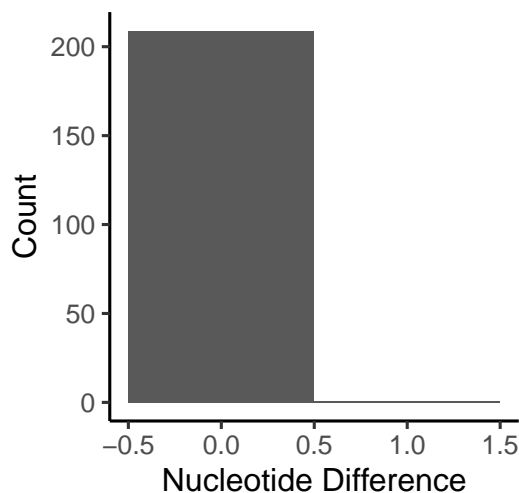
TRBV15*ap02

3963 sequences assigned
3912 (98.7%) exact matches, in which:
3869 unique CDR3
13 unique J



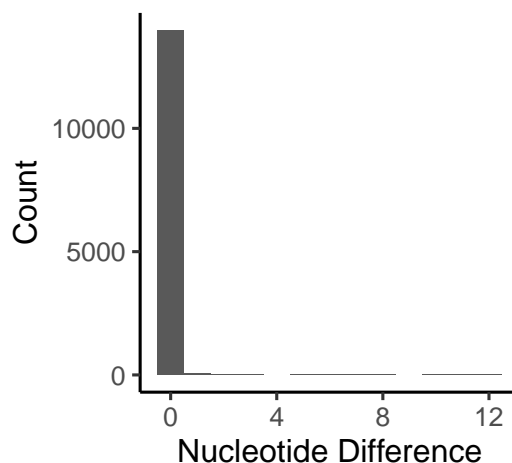
TRBV16*ap01

210 sequences assigned
209 (99.5%) exact matches, in which:
209 unique CDR3
13 unique J



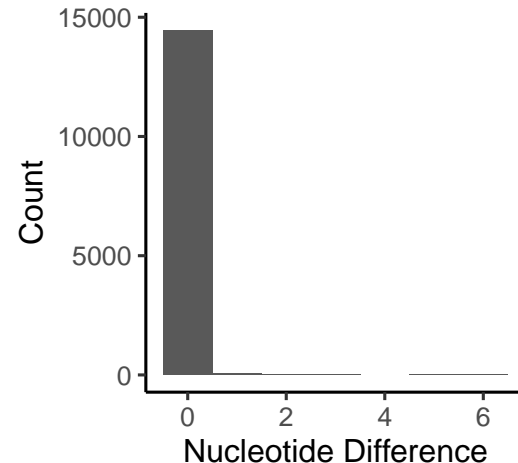
TRBV19*ap01

14068 sequences assigned
13984 (99.4%) exact matches, in which:
13927 unique CDR3
13 unique J



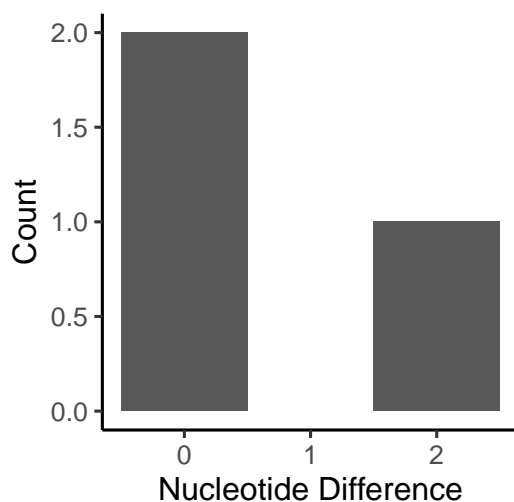
TRBV28*ap01

14537 sequences assigned
14459 (99.5%) exact matches, in which:
14390 unique CDR3
13 unique J



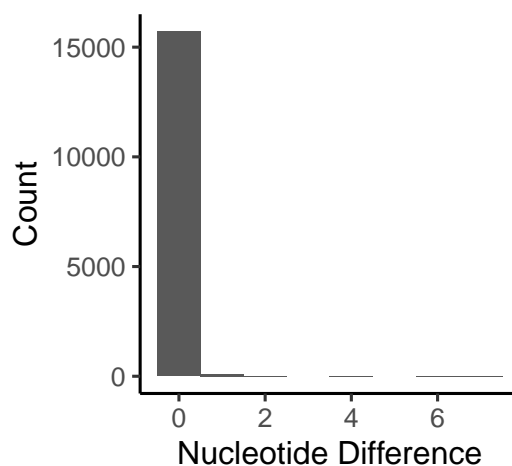
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



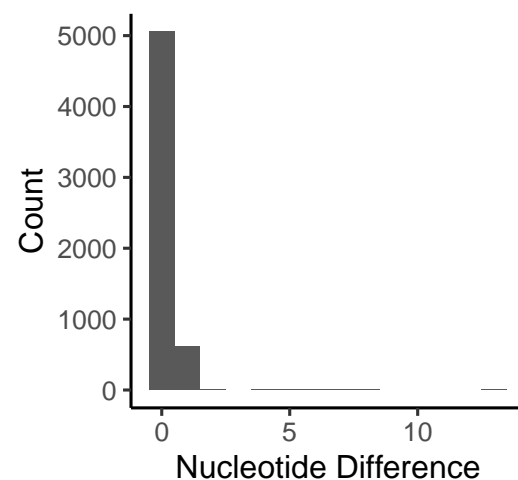
TRBV2*ap01

15832 sequences assigned
15715 (99.3%) exact matches, in which:
15573 unique CDR3
13 unique J



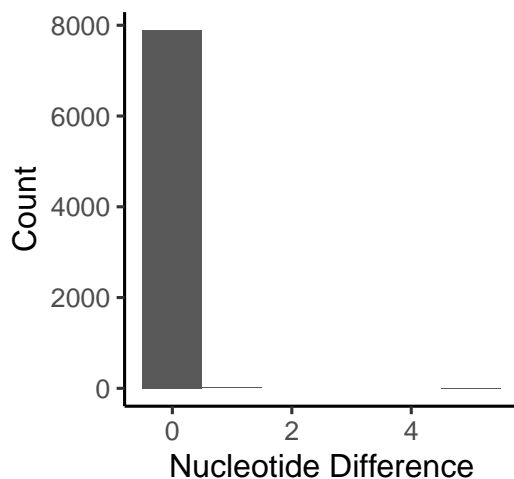
TRBV30*ap01

5690 sequences assigned
5055 (88.8%) exact matches, in which:
4957 unique CDR3
13 unique J



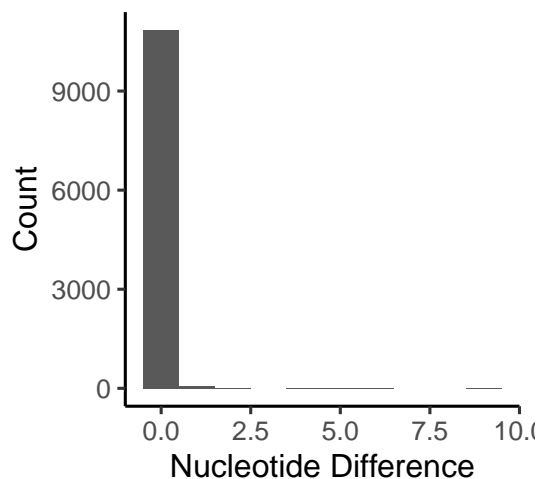
TRBV18*ap01

7917 sequences assigned
7895 (99.7%) exact matches, in which:
7863 unique CDR3
13 unique J



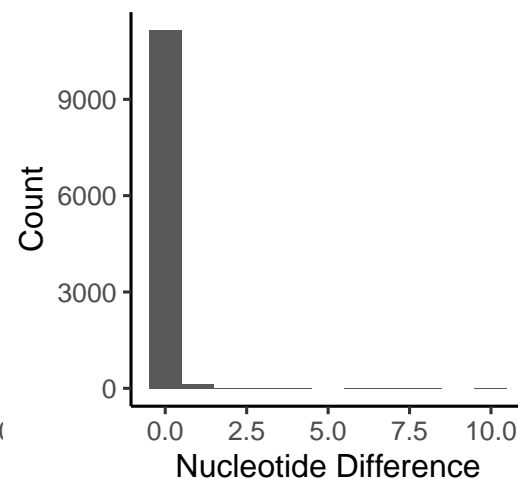
TRBV27*ap01

10924 sequences assigned
10846 (99.3%) exact matches, in which:
10740 unique CDR3
13 unique J



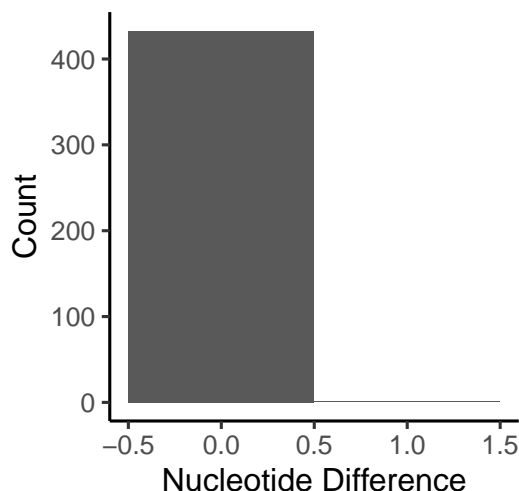
TRBV9*ap01

11298 sequences assigned
11158 (98.8%) exact matches, in which:
11104 unique CDR3
13 unique J



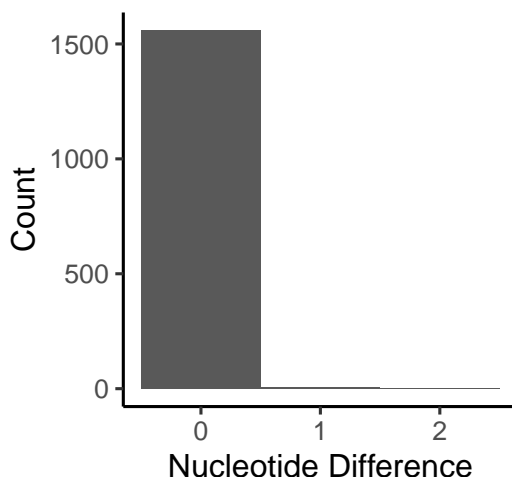
TRBV11-1*ap01

434 sequences assigned
433 (99.8%) exact matches, in which:
431 unique CDR3
13 unique J



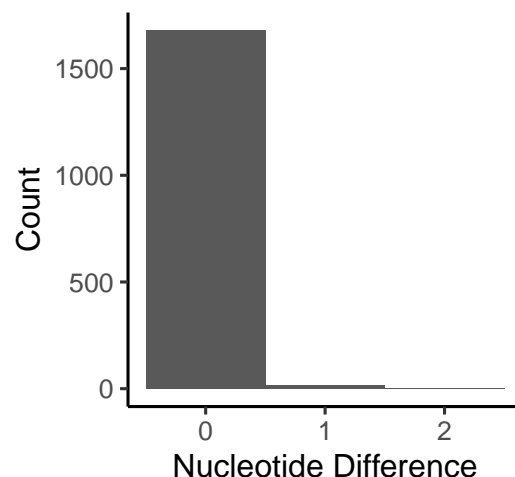
TRBV11-3*ap01

1566 sequences assigned
1559 (99.6%) exact matches, in which:
1557 unique CDR3
13 unique J



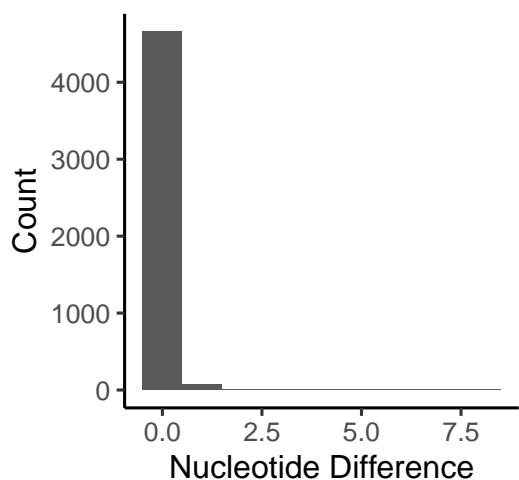
TRBV12-5*ap01

1699 sequences assigned
1679 (98.8%) exact matches, in which:
1668 unique CDR3
13 unique J



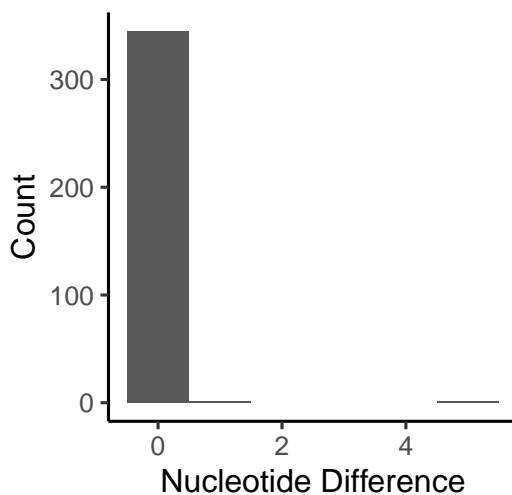
TRBV21-1*ap01

4751 sequences assigned
4657 (98%) exact matches, in which:
4637 unique CDR3
14 unique J



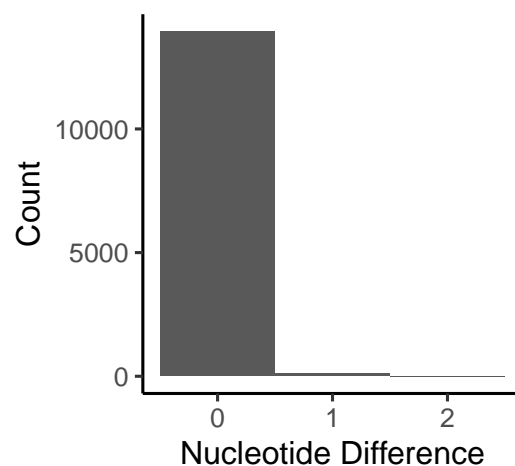
TRBV12-1*ap01

347 sequences assigned
345 (99.4%) exact matches, in which:
342 unique CDR3
13 unique J



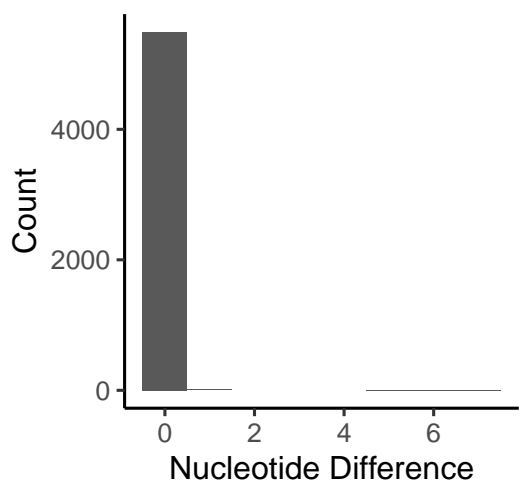
TRBV12-34*ap01

14057 sequences assigned
13942 (99.2%) exact matches, in which:
13815 unique CDR3
13 unique J



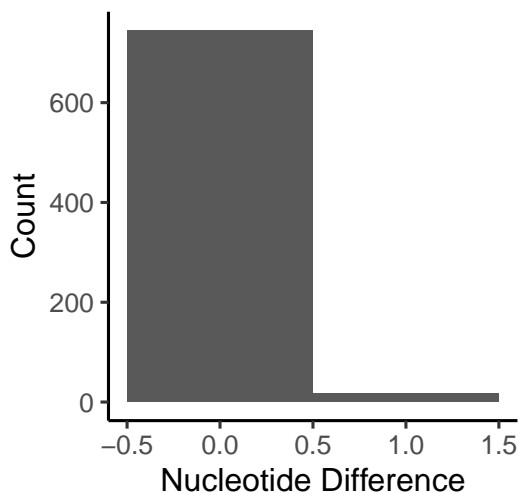
TRBV11-2*ap01

5507 sequences assigned
5491 (99.7%) exact matches, in which:
5471 unique CDR3
13 unique J



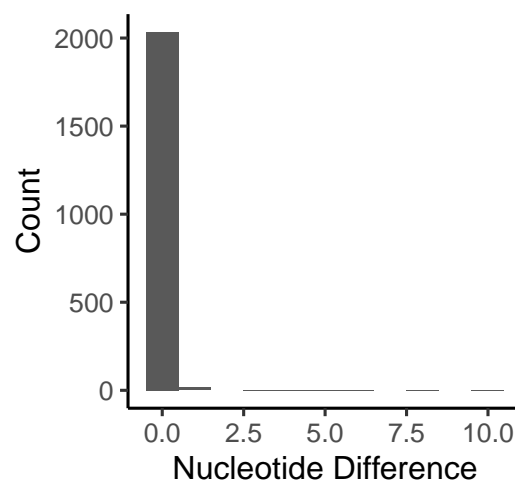
TRBV12-2*ap01

762 sequences assigned
745 (97.8%) exact matches, in which:
737 unique CDR3
13 unique J



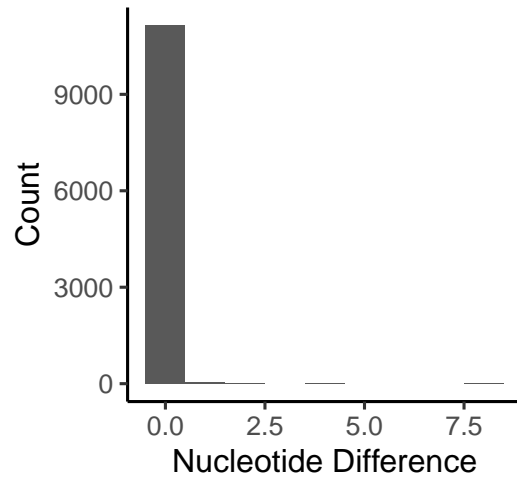
TRBV23-1*ap01

2056 sequences assigned
2034 (98.9%) exact matches, in which:
2026 unique CDR3
13 unique J



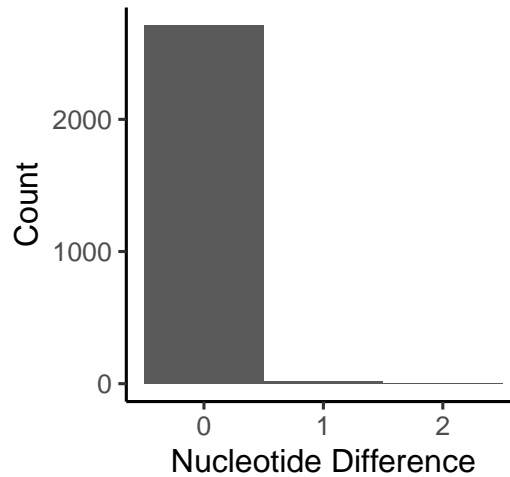
TRBV3-12*ap01

11197 sequences assigned
11144 (99.5%) exact matches, in which:
11093 unique CDR3
13 unique J



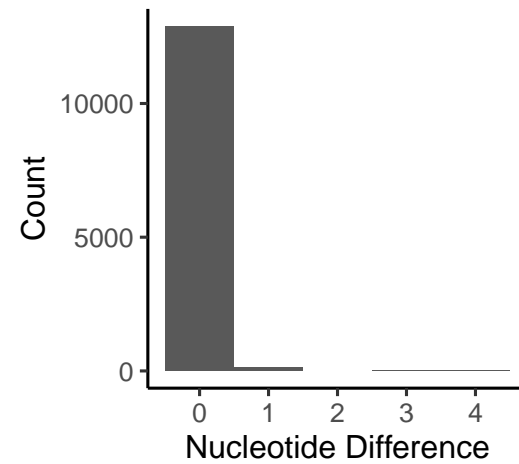
TRBV4-2*ap01

2732 sequences assigned
2711 (99.2%) exact matches, in which:
2680 unique CDR3
13 unique J



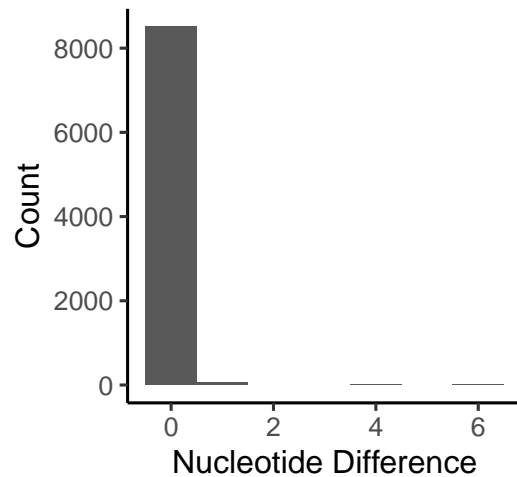
TRBV5-1*ap01

13019 sequences assigned
12892 (99%) exact matches, in which:
12783 unique CDR3
13 unique J



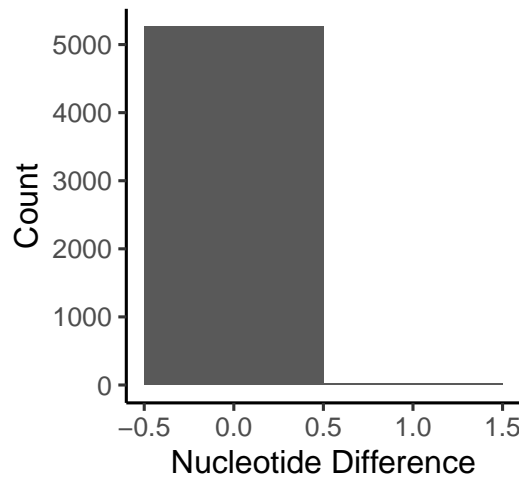
TRBV4-1*ap01

8562 sequences assigned
8509 (99.4%) exact matches, in which:
8404 unique CDR3
13 unique J



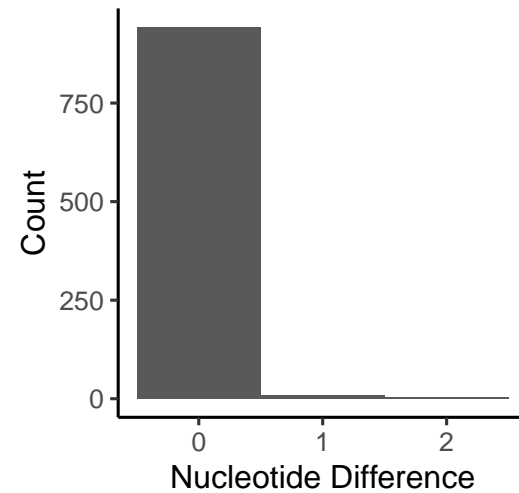
TRBV4-3*ap01

5290 sequences assigned
5262 (99.5%) exact matches, in which:
5197 unique CDR3
13 unique J



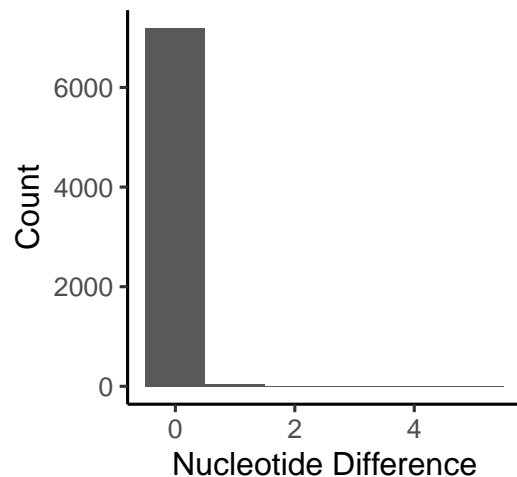
TRBV5-3*ap01

955 sequences assigned
943 (98.7%) exact matches, in which:
935 unique CDR3
13 unique J



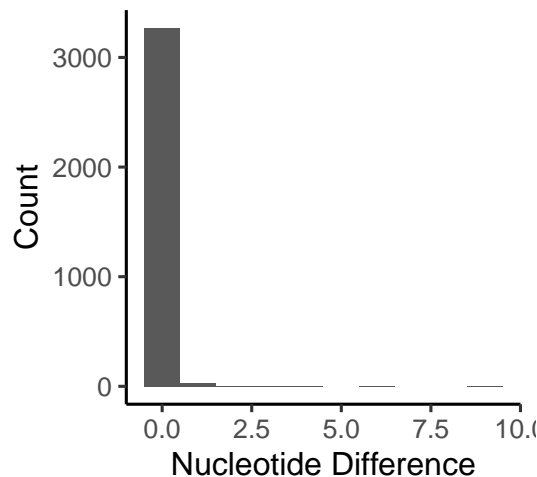
TRBV24-1*ap01

7257 sequences assigned
7192 (99.1%) exact matches, in which:
7105 unique CDR3
13 unique J



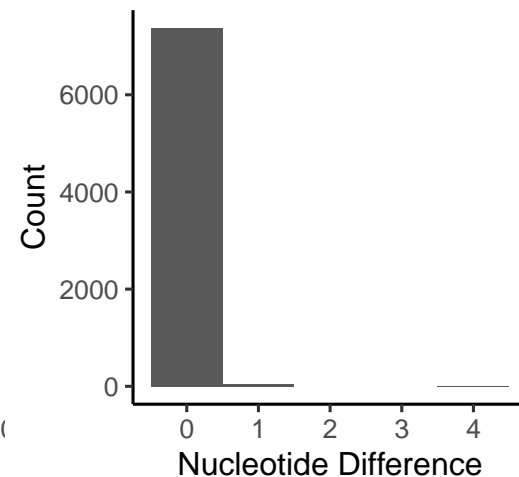
TRBV25-1*ap01

3309 sequences assigned
3268 (98.8%) exact matches, in which:
3208 unique CDR3
13 unique J



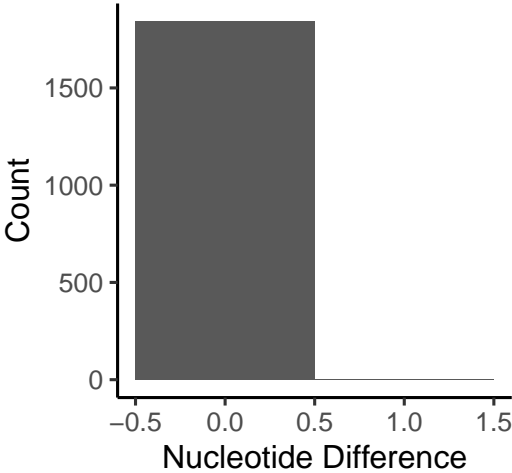
TRBV5-4*ap01

7423 sequences assigned
7373 (99.3%) exact matches, in which:
7291 unique CDR3
13 unique J



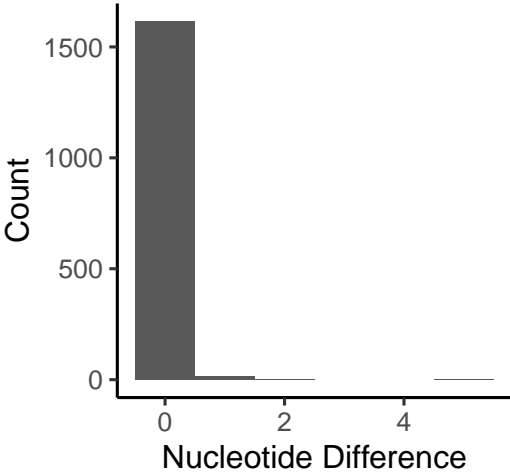
TRBV5-5*ap01

1845 sequences assigned
1842 (99.8%) exact matches, in which:
1837 unique CDR3
13 unique J



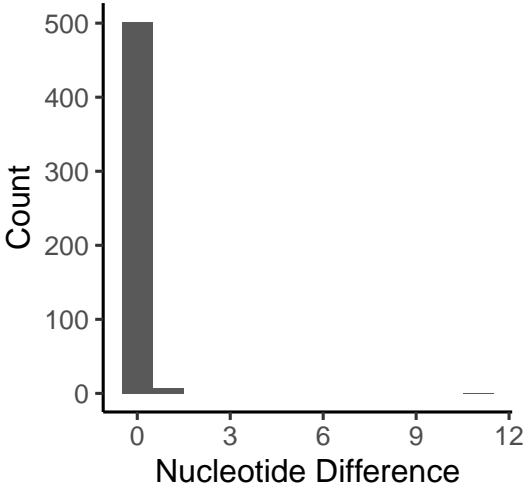
TRBV5-8*ap01

1631 sequences assigned
1615 (99%) exact matches, in which:
1610 unique CDR3
13 unique J



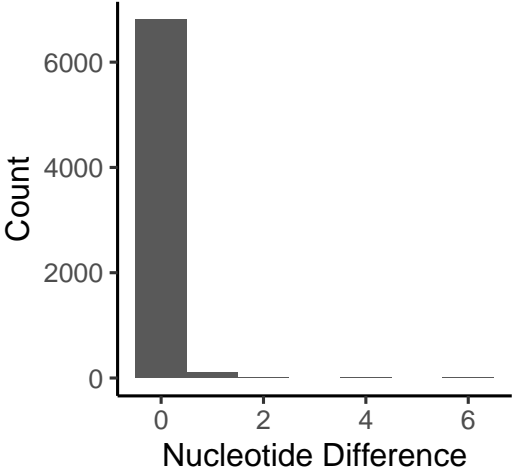
TRBV6-7*ap01

510 sequences assigned
502 (98.4%) exact matches, in which:
499 unique CDR3
13 unique J



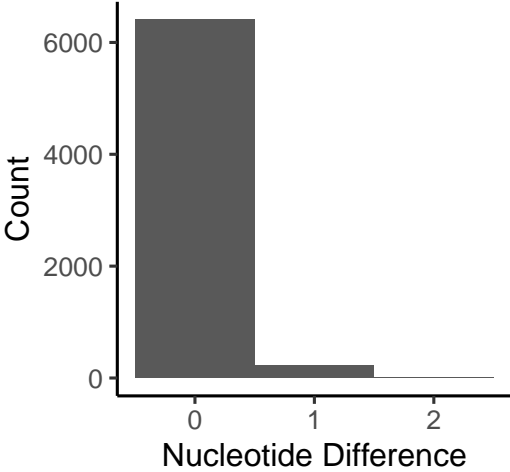
TRBV5-6*ap01

6923 sequences assigned
6806 (98.3%) exact matches, in which:
6678 unique CDR3
13 unique J



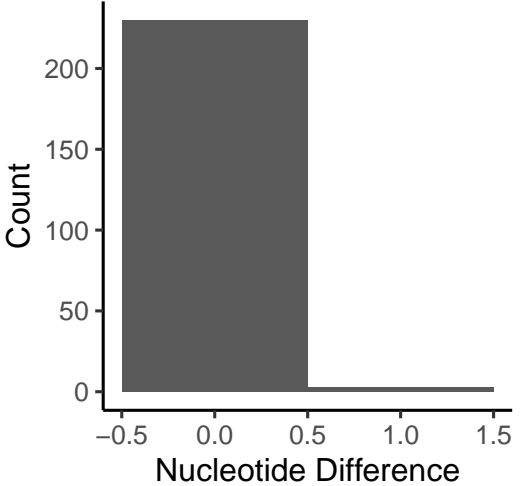
TRBV6-1*ap01

6635 sequences assigned
6406 (96.5%) exact matches, in which:
6331 unique CDR3
13 unique J



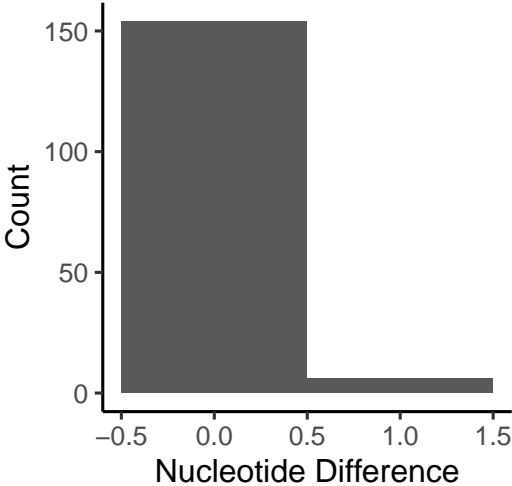
TRBV6-8*ap01

233 sequences assigned
230 (98.7%) exact matches, in which:
227 unique CDR3
13 unique J



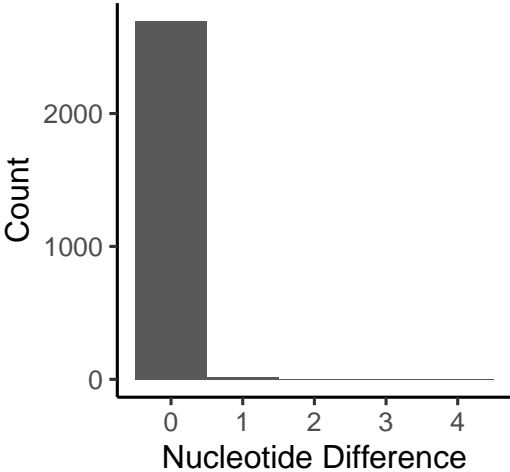
TRBV5-7*ap01

160 sequences assigned
154 (96.2%) exact matches, in which:
150 unique CDR3
13 unique J



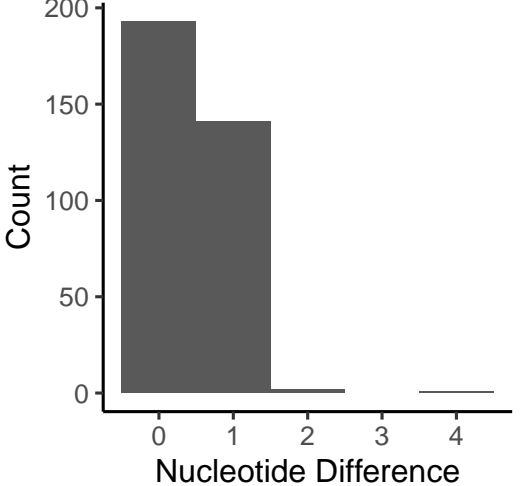
TRBV6-4*ap01

2718 sequences assigned
2696 (99.2%) exact matches, in which:
2671 unique CDR3
13 unique J



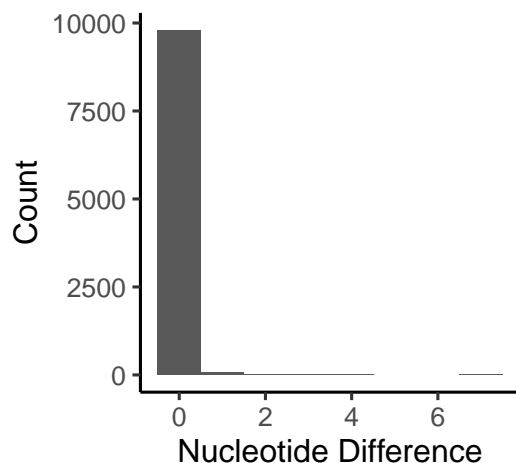
TRBV6-9*ap01

337 sequences assigned
193 (57.3%) exact matches, in which:
189 unique CDR3
13 unique J



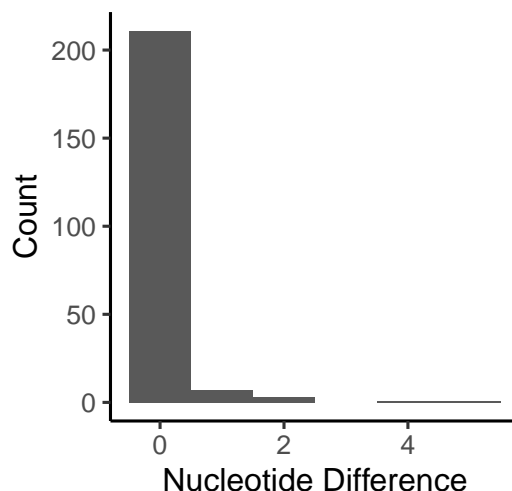
TRBV6-23*ap01

9888 sequences assigned
9797 (99.1%) exact matches, in which:
9658 unique CDR3
13 unique J



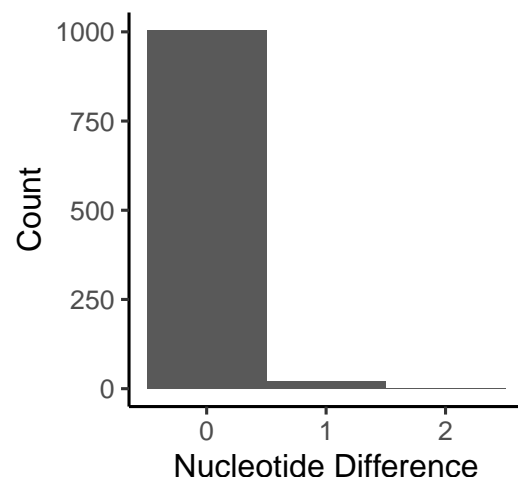
TRBV7-1*ap01_G291C_

223 sequences assigned
211 (94.6%) exact matches, in which:
210 unique CDR3
13 unique J



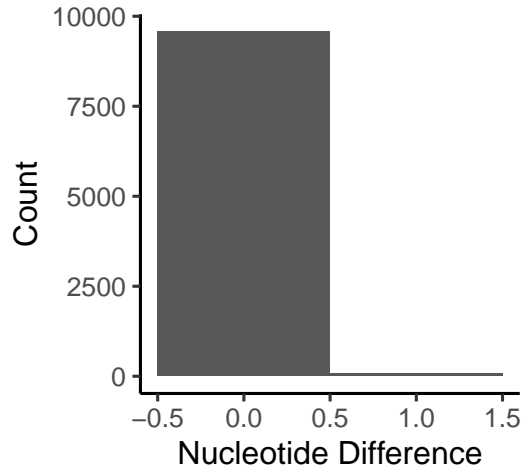
TRBV7-3*ap02

1025 sequences assigned
1004 (98%) exact matches, in which:
999 unique CDR3
13 unique J



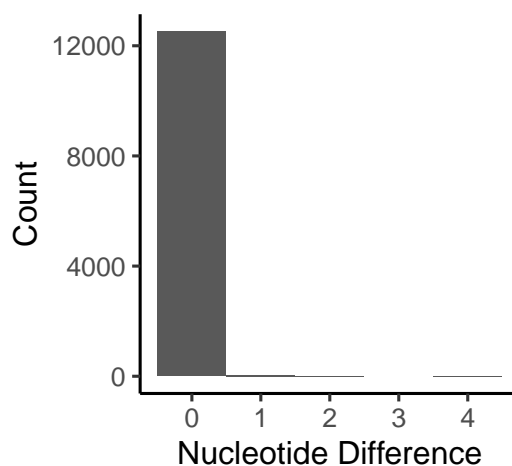
TRBV6-56*ap01

9653 sequences assigned
9577 (99.2%) exact matches, in which:
9427 unique CDR3
13 unique J



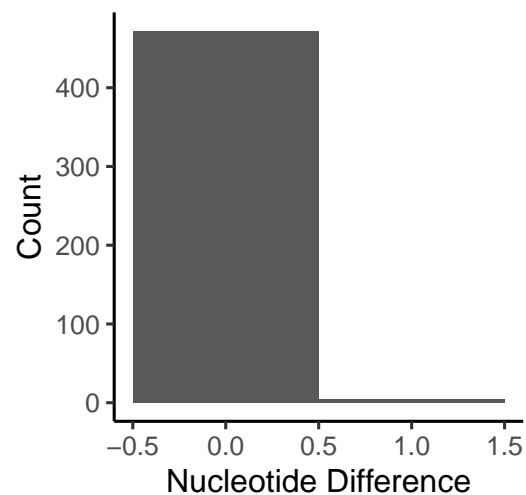
TRBV7-2*ap01

12565 sequences assigned
12519 (99.6%) exact matches, in which:
12438 unique CDR3
13 unique J



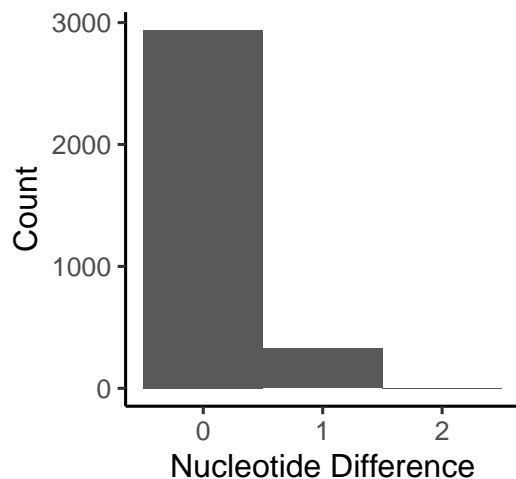
TRBV7-4*ap01

477 sequences assigned
472 (99%) exact matches, in which:
470 unique CDR3
13 unique J



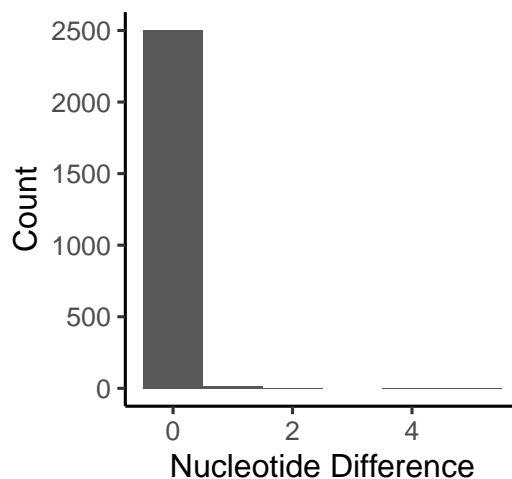
TRBV6-56*ap02

3269 sequences assigned
2939 (89.9%) exact matches, in which:
2881 unique CDR3
13 unique J



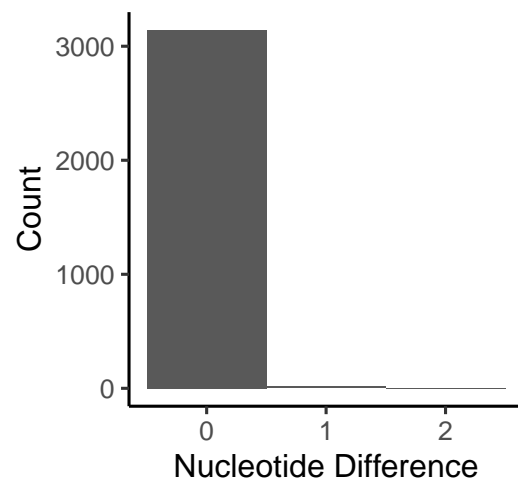
TRBV7-3*ap01

2524 sequences assigned
2503 (99.2%) exact matches, in which:
2488 unique CDR3
13 unique J



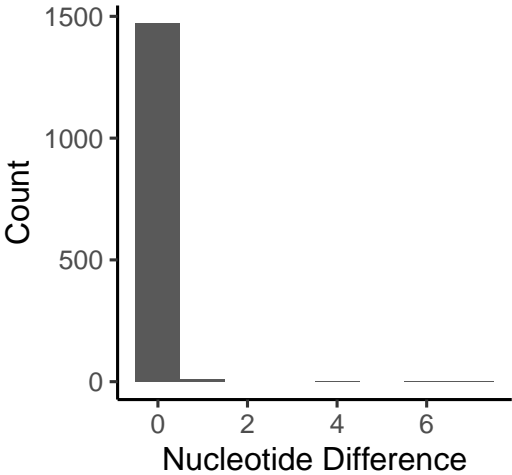
TRBV7-6*ap01

3159 sequences assigned
3142 (99.5%) exact matches, in which:
3124 unique CDR3
13 unique J



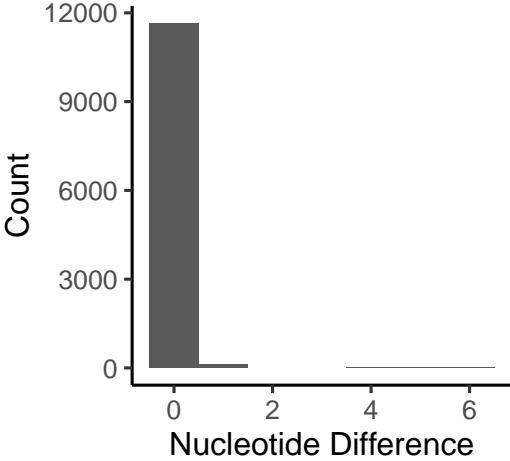
TRBV7-7*ap01_C315T

1486 sequences assigned
1471 (99%) exact matches, in which:
1453 unique CDR3
13 unique J



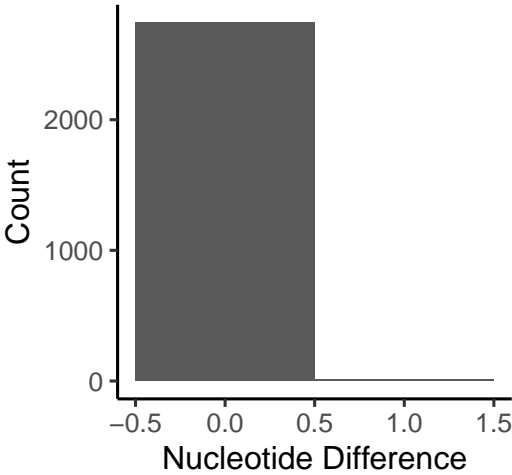
TRBV7-9*ap01

11765 sequences assigned
11652 (99%) exact matches, in which:
11558 unique CDR3
13 unique J



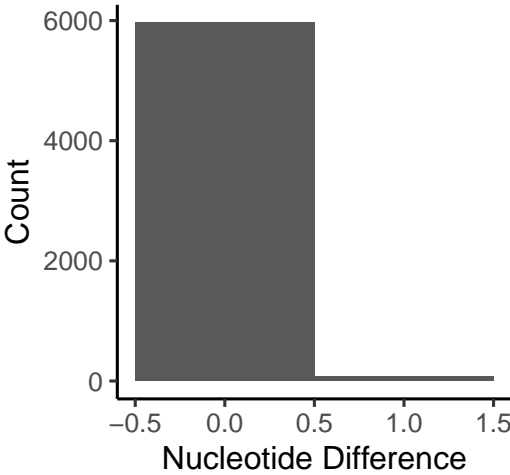
TRBV7-8*ap01

2757 sequences assigned
2742 (99.5%) exact matches, in which:
2731 unique CDR3
13 unique J



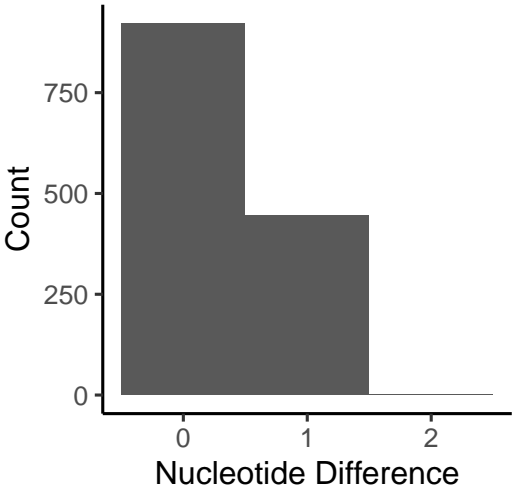
TRBV29-1*ap01

6035 sequences assigned
5964 (98.8%) exact matches, in which:
5828 unique CDR3
13 unique J



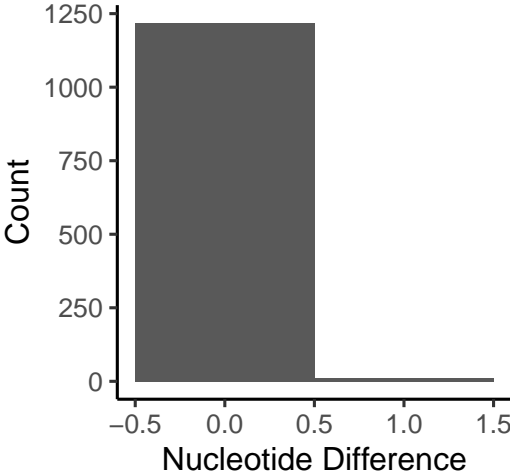
TRBV7-8*ap03

1369 sequences assigned
922 (67.3%) exact matches, in which:
915 unique CDR3
13 unique J

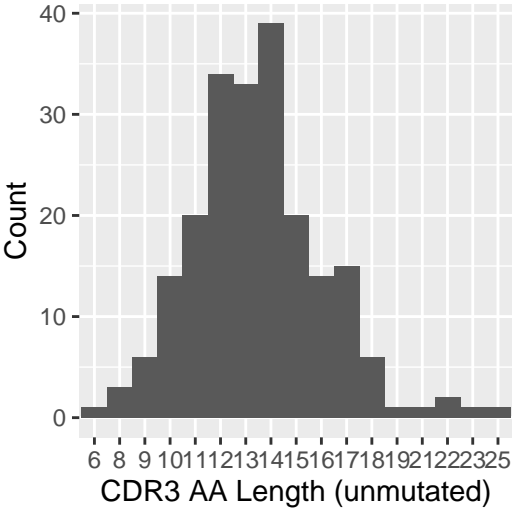


TRBV29-1*ap02

1230 sequences assigned
1218 (99%) exact matches, in which:
1195 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

