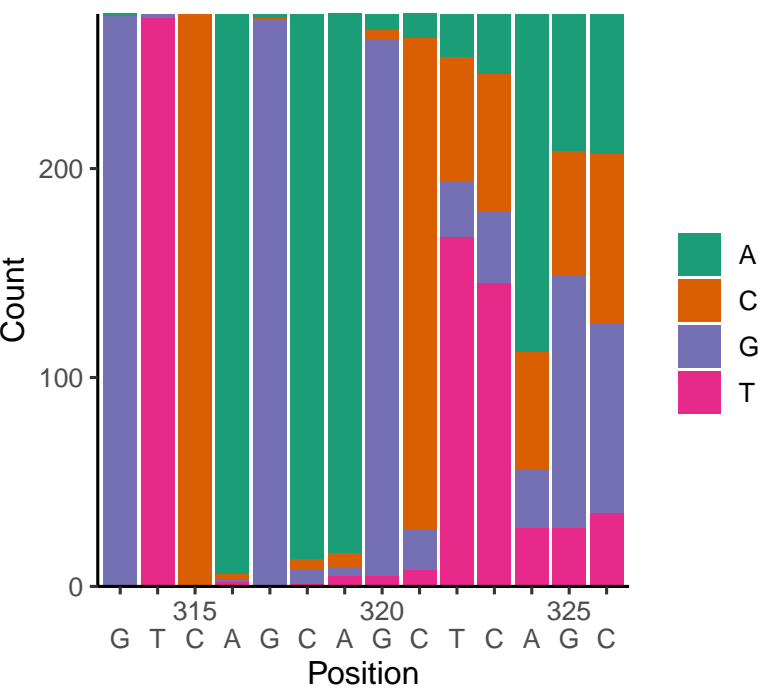
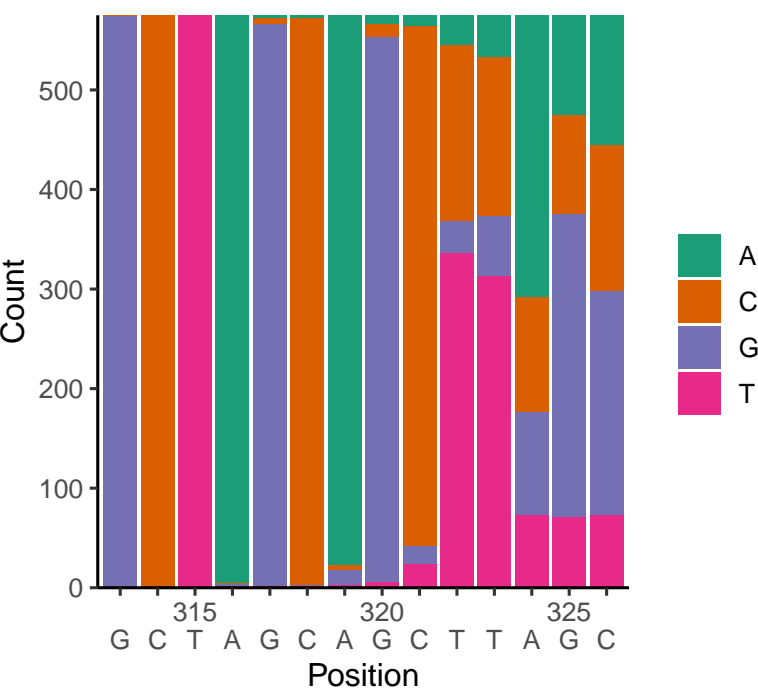


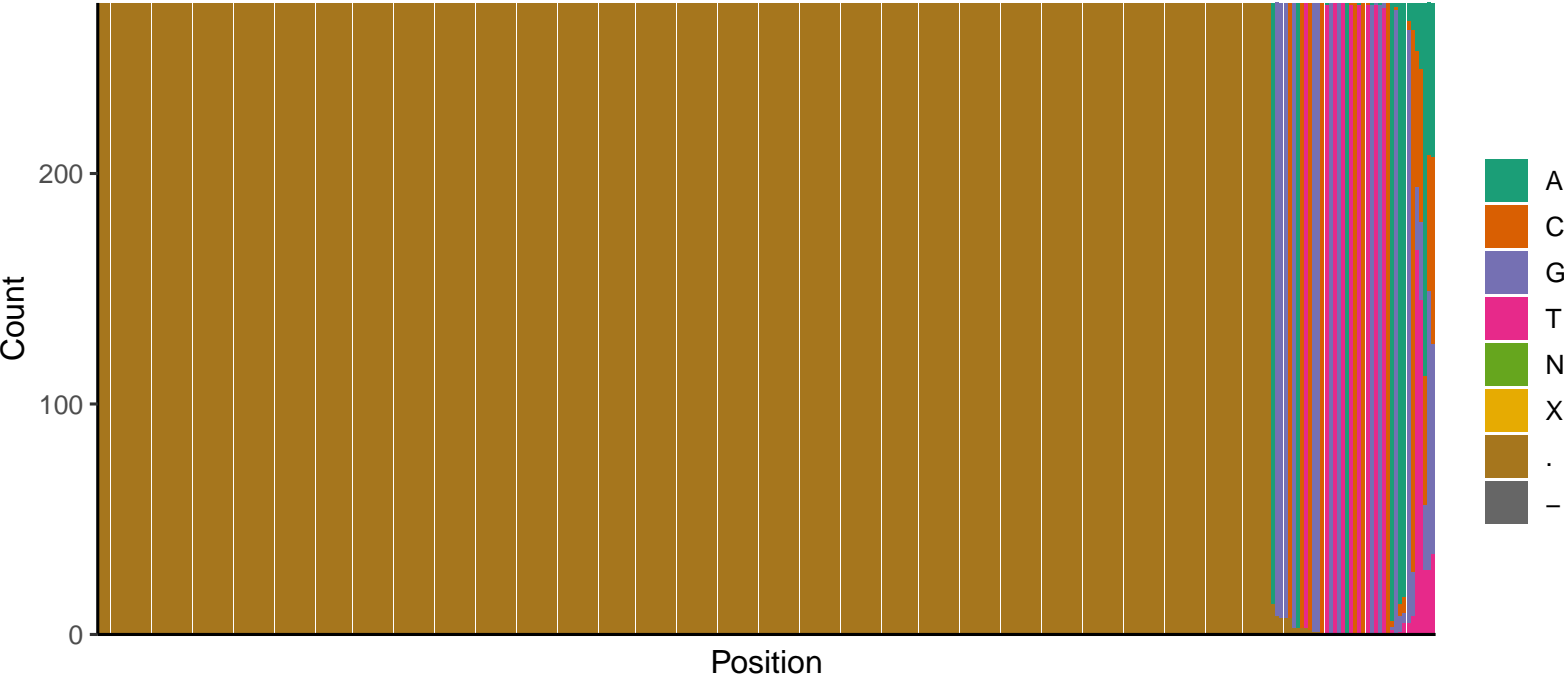
Gene TRBV7-1*ap01_T296C_C314T



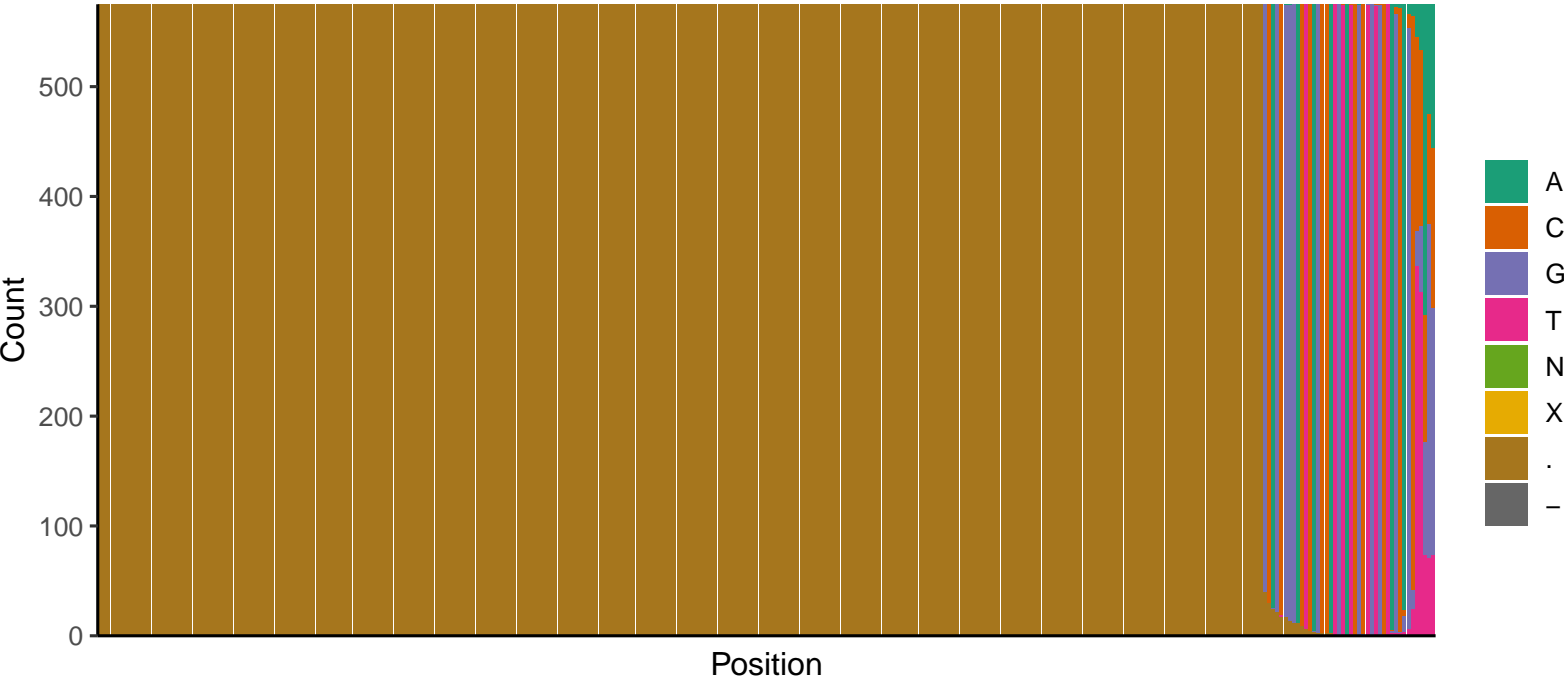
Gene TRBV7-7*ap01_C315T



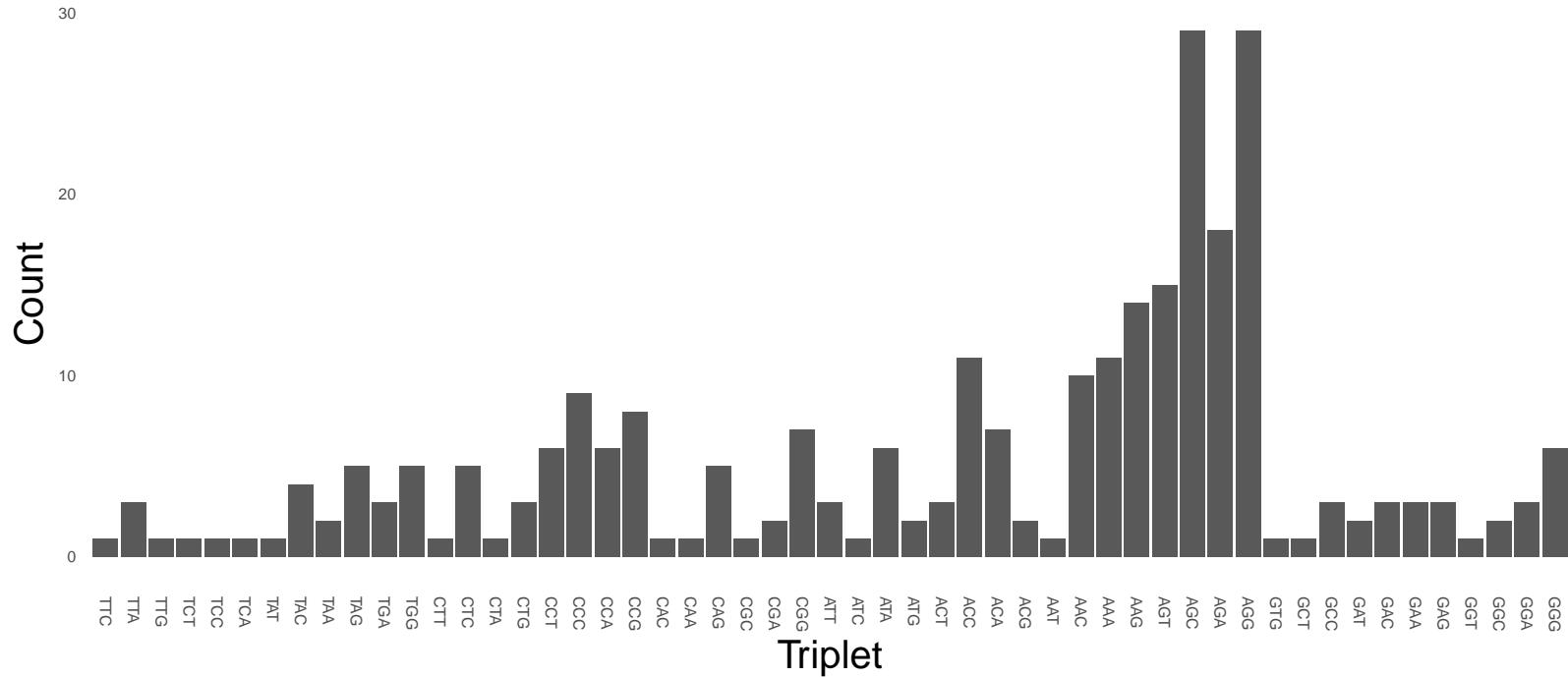
Gene TRBV7-1*ap01_T296C_C314T



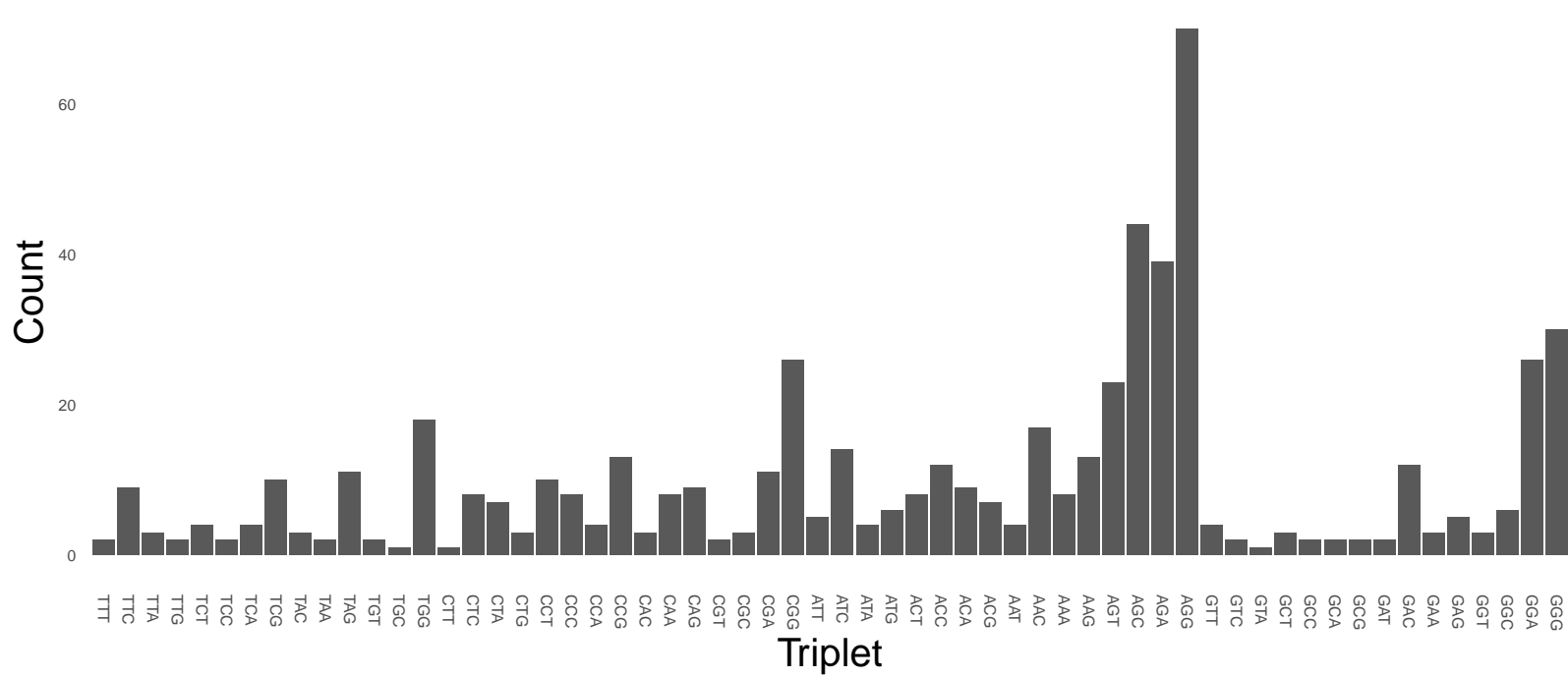
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

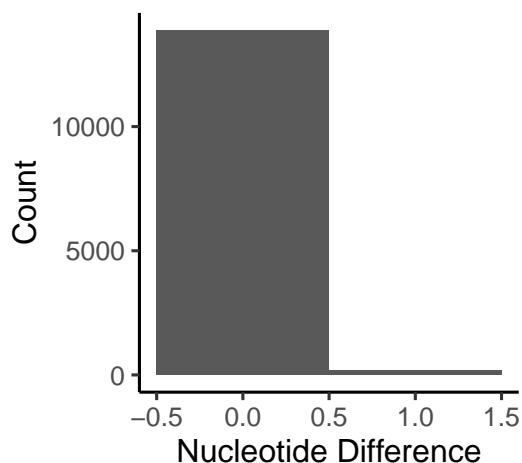


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



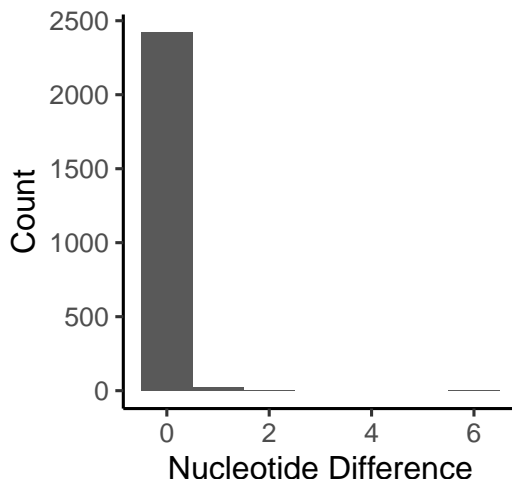
TRBV20-1*ap01

14052 sequences assigned
13883 (98.8%) exact matches, in which:
13686 unique CDR3
14 unique J



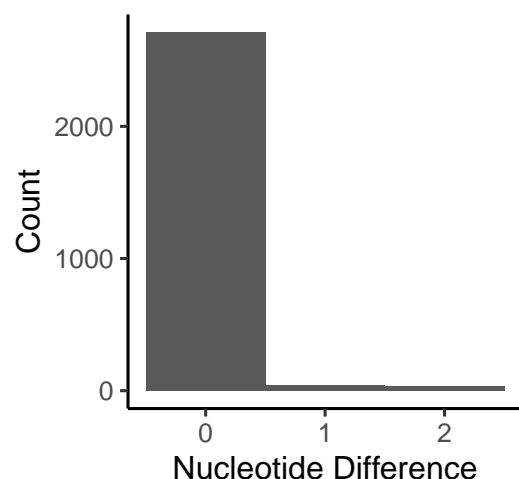
TRBV10-2*ap01

2449 sequences assigned
2421 (98.9%) exact matches, in which:
2382 unique CDR3
14 unique J



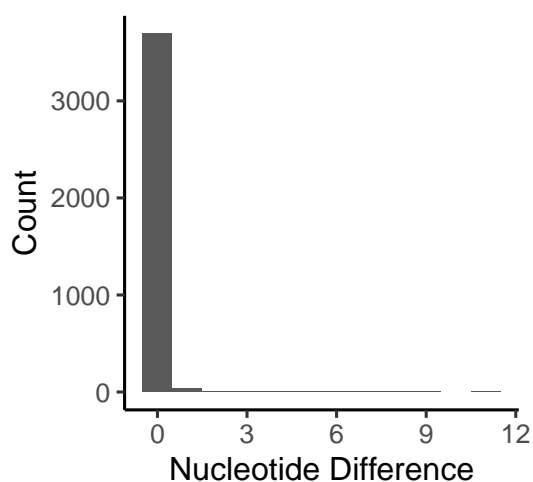
TRBV13*ap01

2785 sequences assigned
2711 (97.3%) exact matches, in which:
2668 unique CDR3
14 unique J



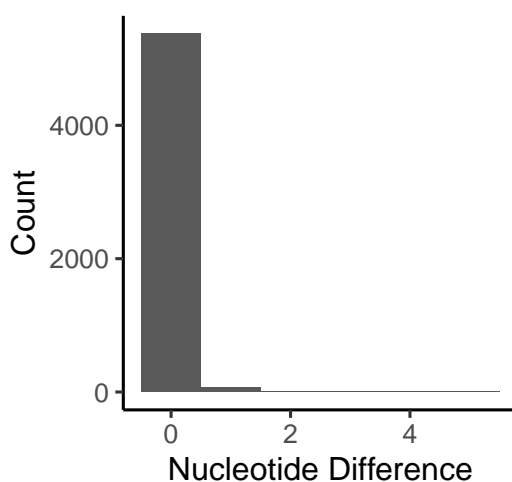
TRBV10-1*ap01

3745 sequences assigned
3692 (98.6%) exact matches, in which:
3628 unique CDR3
14 unique J



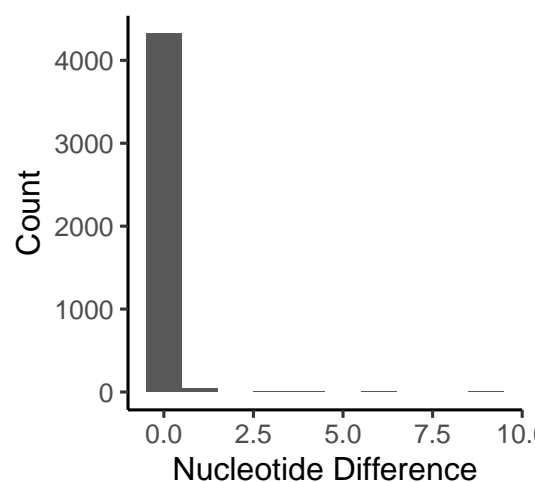
TRBV10-3*ap01

5442 sequences assigned
5374 (98.8%) exact matches, in which:
5293 unique CDR3
14 unique J



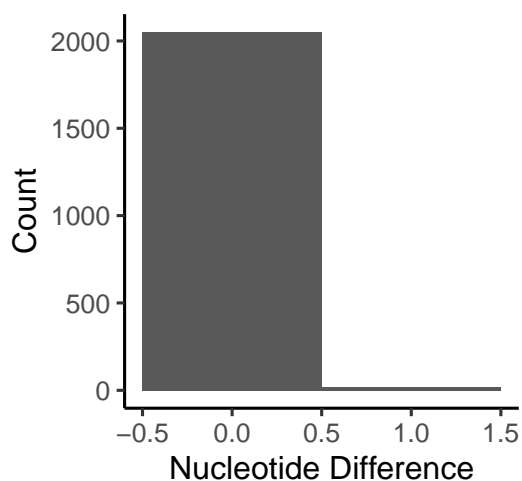
TRBV14*ap01

4363 sequences assigned
4321 (99%) exact matches, in which:
4264 unique CDR3
14 unique J



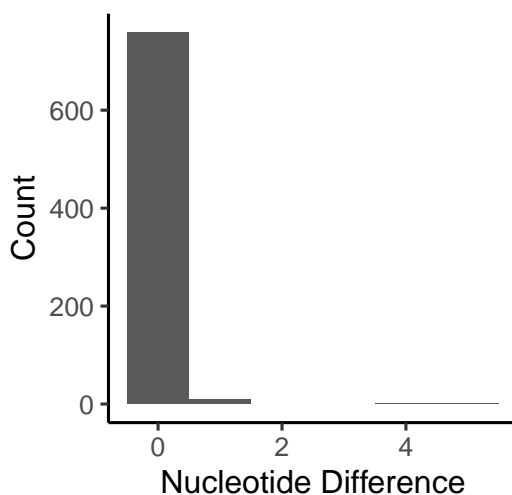
TRBV20-1*ap02

2071 sequences assigned
2051 (99%) exact matches, in which:
2022 unique CDR3
14 unique J



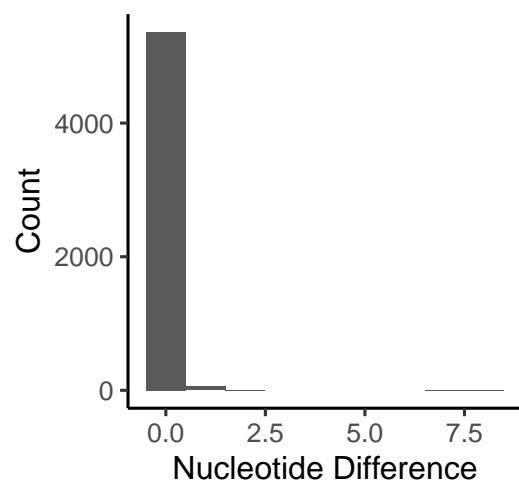
TRBV1*ap01

771 sequences assigned
759 (98.4%) exact matches, in which:
747 unique CDR3
14 unique J



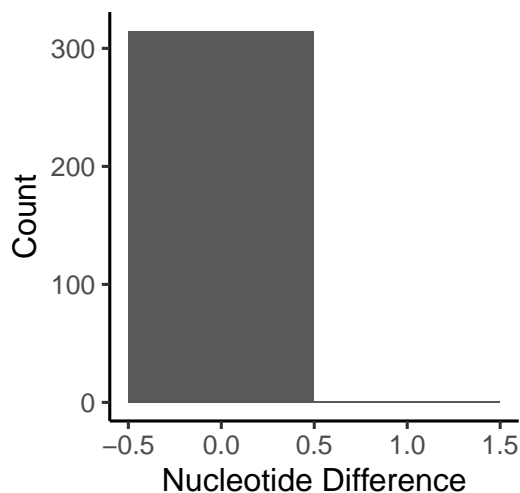
TRBV15*ap02

5421 sequences assigned
5363 (98.9%) exact matches, in which:
5289 unique CDR3
14 unique J



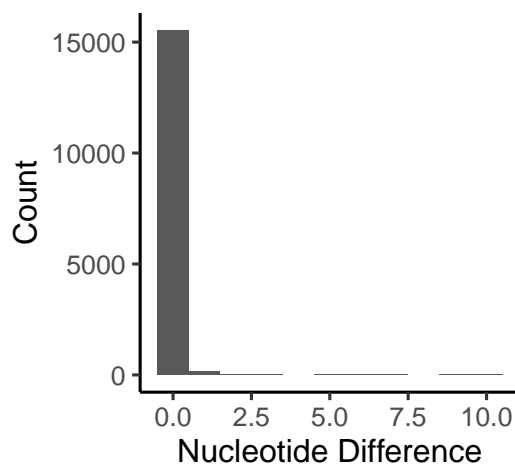
TRBV16*ap01

316 sequences assigned
315 (99.7%) exact matches, in which:
312 unique CDR3
14 unique J



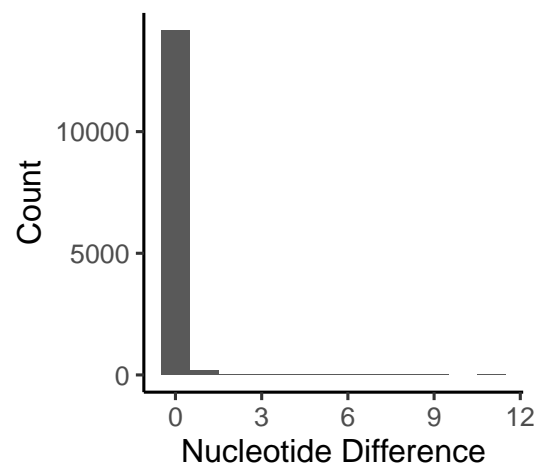
TRBV19*ap01

15723 sequences assigned
15539 (98.8%) exact matches, in which:
15373 unique CDR3
15 unique J



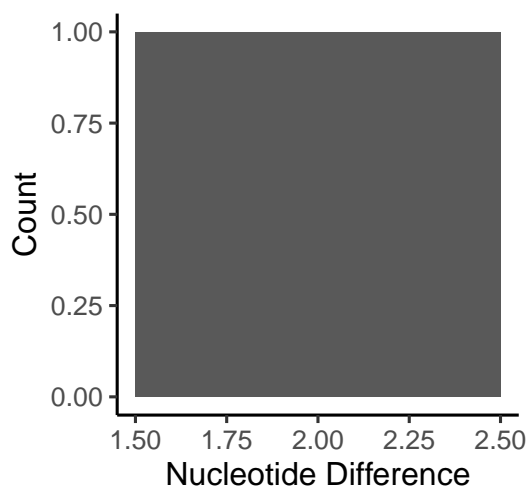
TRBV27*ap01

14361 sequences assigned
14170 (98.7%) exact matches, in which:
13936 unique CDR3
14 unique J



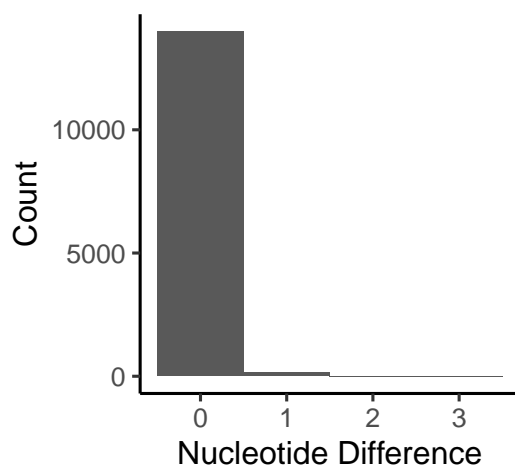
TRBV17*ap01

1 sequences assigned
No exact matches.



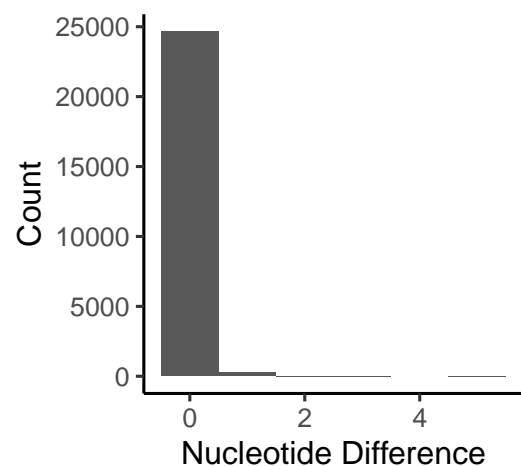
TRBV2*ap01

14158 sequences assigned
13990 (98.8%) exact matches, in which:
13774 unique CDR3
14 unique J



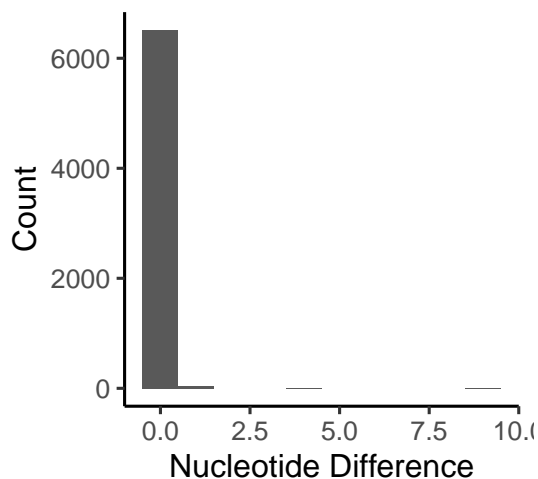
TRBV28*ap01

24939 sequences assigned
24661 (98.9%) exact matches, in which:
24296 unique CDR3
15 unique J



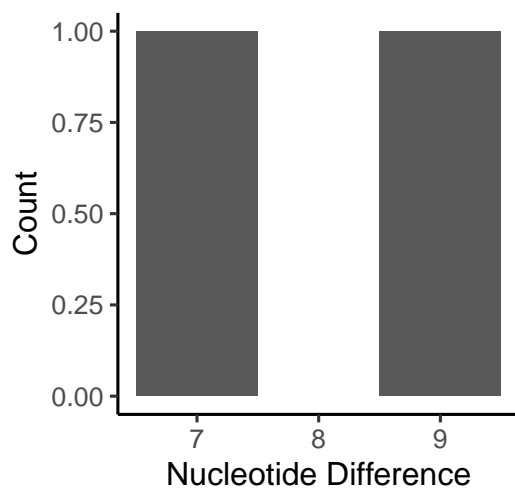
TRBV18*ap01

6556 sequences assigned
6513 (99.3%) exact matches, in which:
6456 unique CDR3
14 unique J



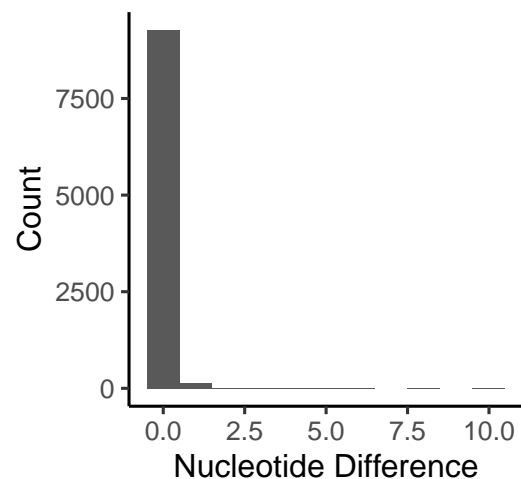
TRBV26*ap01

2 sequences assigned
No exact matches.



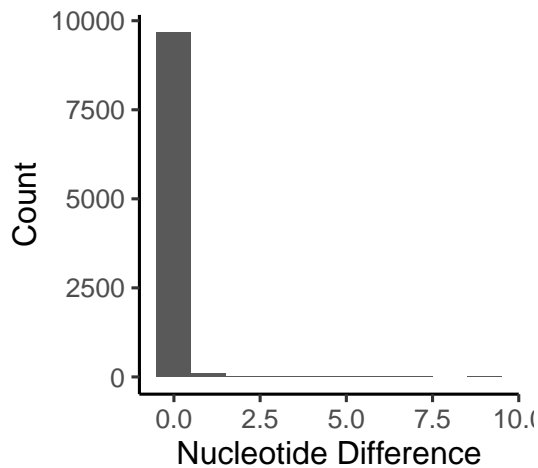
TRBV30*ap01

9419 sequences assigned
9271 (98.4%) exact matches, in which:
9179 unique CDR3
14 unique J



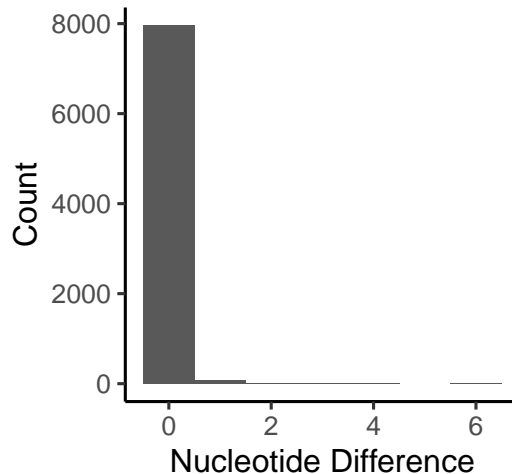
TRBV9*ap01

9779 sequences assigned
9679 (99%) exact matches, in which:
9538 unique CDR3
14 unique J



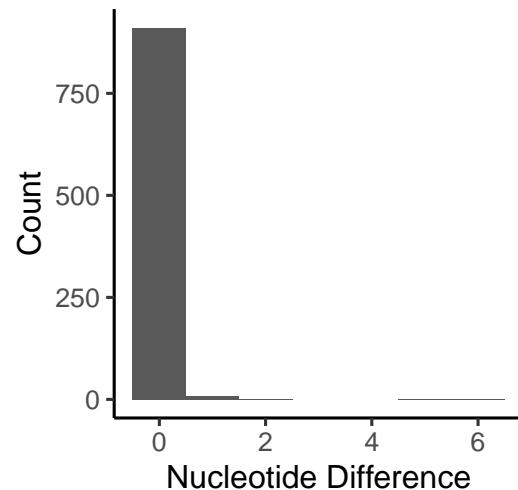
TRBV11-2*ap01

8046 sequences assigned
7960 (98.9%) exact matches, in which:
7822 unique CDR3
14 unique J



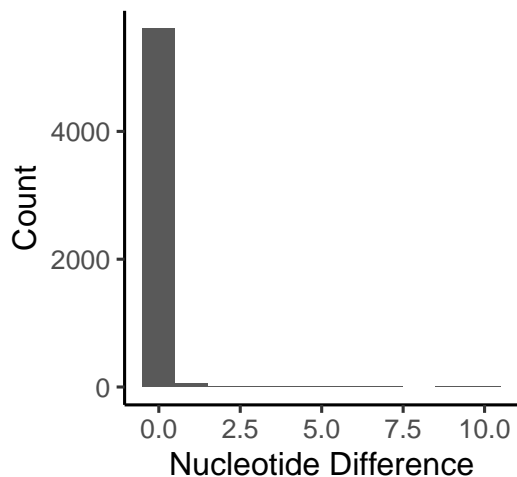
TRBV12-2*ap01

922 sequences assigned
911 (98.8%) exact matches, in which:
894 unique CDR3
14 unique J



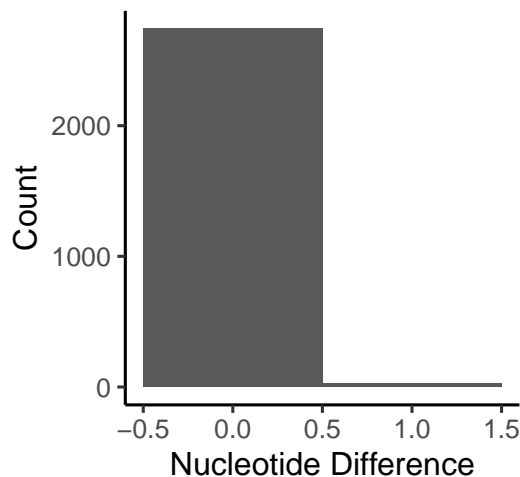
TRBV21-1*ap01

5683 sequences assigned
5607 (98.7%) exact matches, in which:
5543 unique CDR3
14 unique J



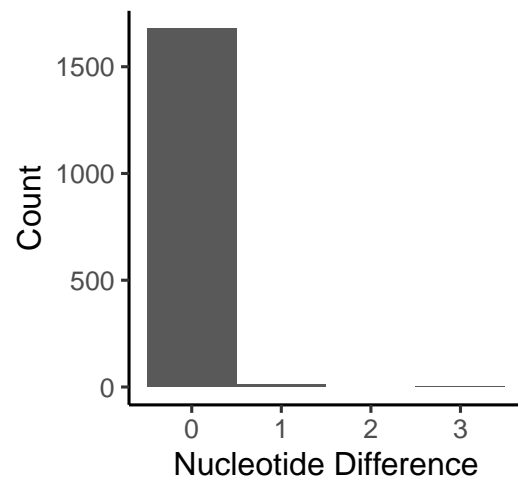
TRBV11-3*ap01

2767 sequences assigned
2742 (99.1%) exact matches, in which:
2695 unique CDR3
14 unique J



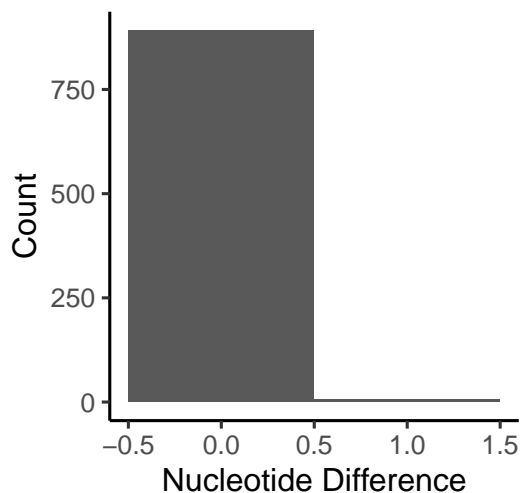
TRBV12-5*ap01

1693 sequences assigned
1678 (99.1%) exact matches, in which:
1655 unique CDR3
14 unique J



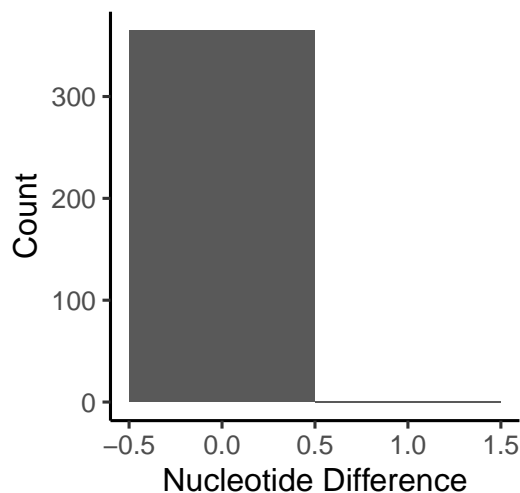
TRBV11-1*ap01

898 sequences assigned
892 (99.3%) exact matches, in which:
876 unique CDR3
14 unique J



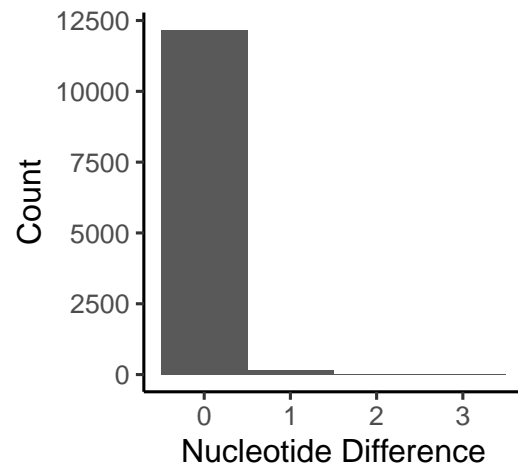
TRBV12-1*ap01

366 sequences assigned
365 (99.7%) exact matches, in which:
357 unique CDR3
14 unique J



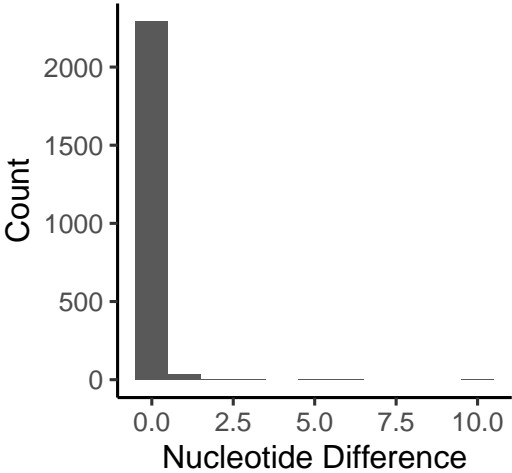
TRBV12-34*ap01

12325 sequences assigned
12173 (98.8%) exact matches, in which:
12003 unique CDR3
14 unique J



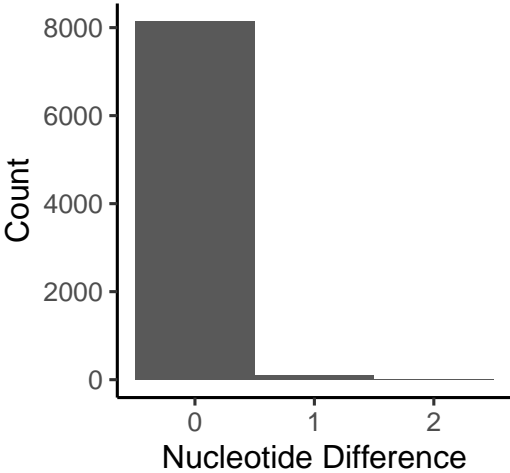
TRBV23-1*ap01

2332 sequences assigned
2292 (98.3%) exact matches, in which:
2254 unique CDR3
14 unique J



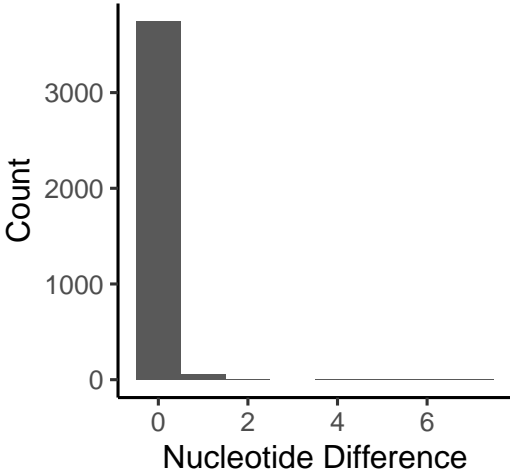
TRBV4-1*ap01

8240 sequences assigned
8141 (98.8%) exact matches, in which:
8027 unique CDR3
14 unique J



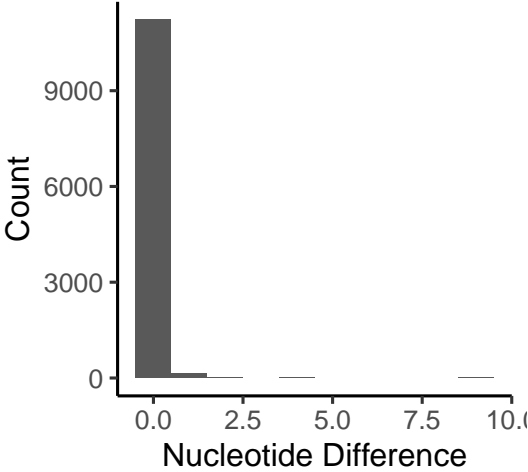
TRBV25-1*ap01

3808 sequences assigned
3744 (98.3%) exact matches, in which:
3691 unique CDR3
15 unique J



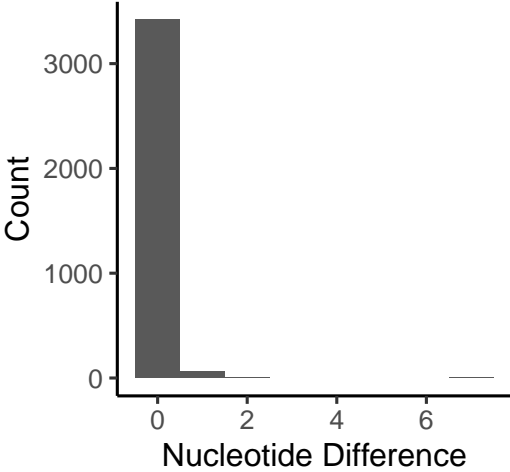
TRBV3-12*ap01

11375 sequences assigned
11223 (98.7%) exact matches, in which:
11075 unique CDR3
14 unique J



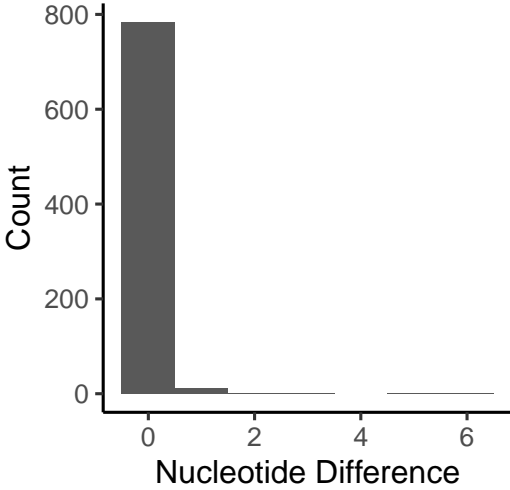
TRBV4-2*ap01

3484 sequences assigned
3419 (98.1%) exact matches, in which:
3375 unique CDR3
14 unique J



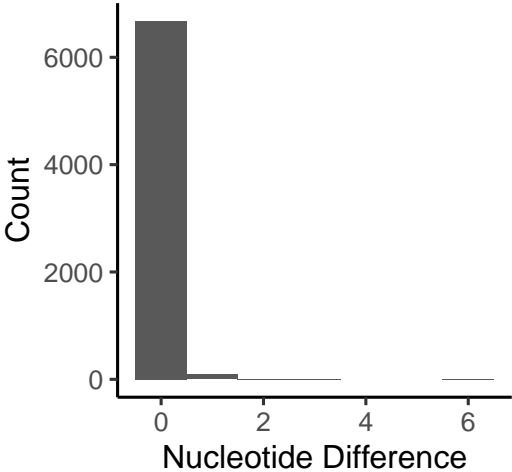
TRBV5-3*ap01

799 sequences assigned
784 (98.1%) exact matches, in which:
768 unique CDR3
14 unique J



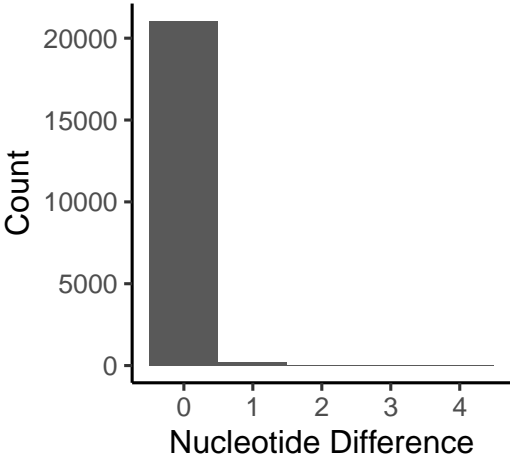
TRBV24-1*ap01

6771 sequences assigned
6676 (98.6%) exact matches, in which:
6593 unique CDR3
14 unique J



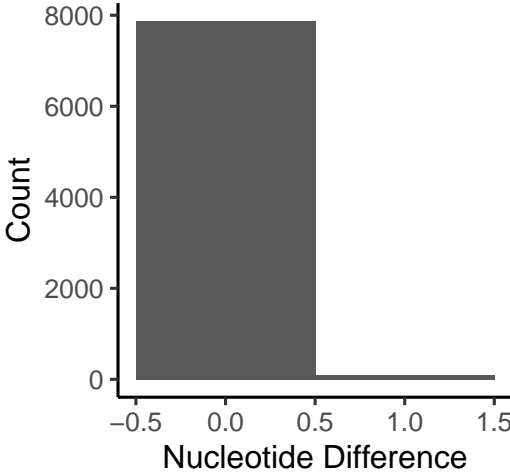
TRBV5-1*ap01

21303 sequences assigned
21063 (98.9%) exact matches, in which:
20703 unique CDR3
14 unique J



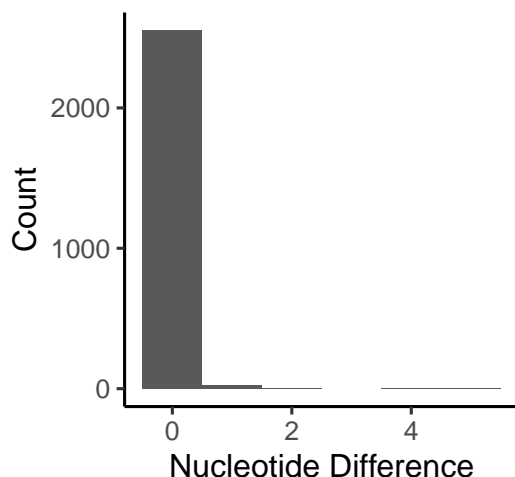
TRBV5-4*ap01

7964 sequences assigned
7873 (98.9%) exact matches, in which:
7748 unique CDR3
14 unique J



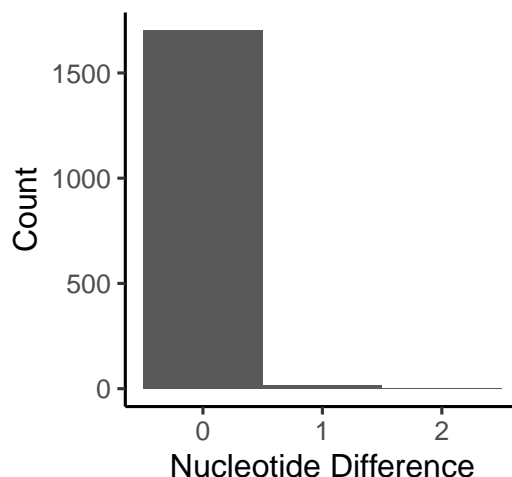
TRBV5-5*ap01

2581 sequences assigned
2552 (98.9%) exact matches, in which:
2531 unique CDR3
14 unique J



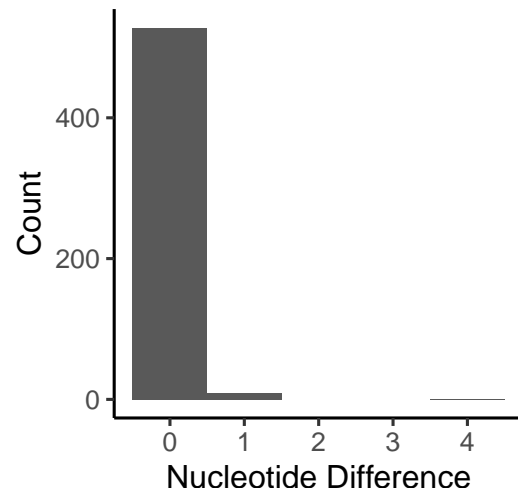
TRBV5-8*ap01

1723 sequences assigned
1702 (98.8%) exact matches, in which:
1673 unique CDR3
14 unique J



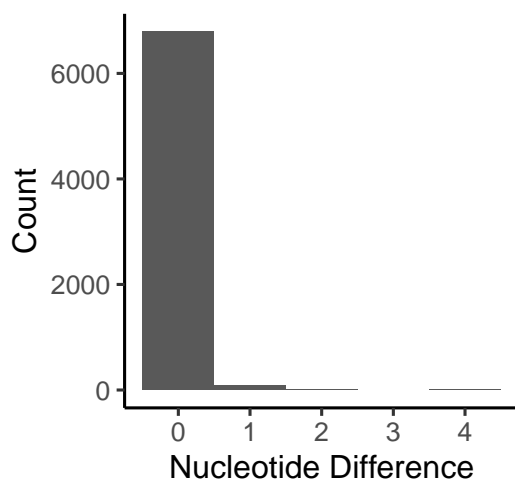
TRBV6-7*ap01

538 sequences assigned
528 (98.1%) exact matches, in which:
513 unique CDR3
14 unique J



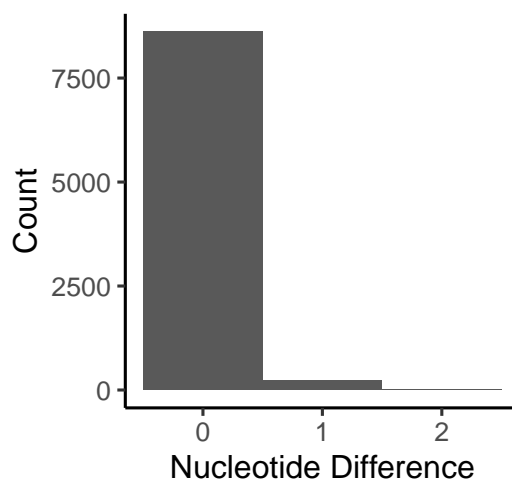
TRBV5-6*ap01

6877 sequences assigned
6790 (98.7%) exact matches, in which:
6661 unique CDR3
14 unique J



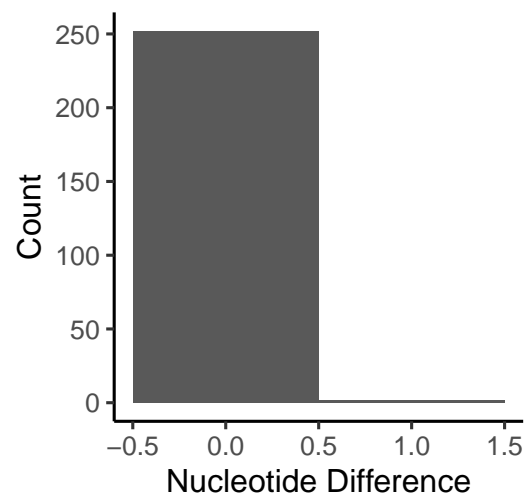
TRBV6-1*ap01

8844 sequences assigned
8614 (97.4%) exact matches, in which:
8466 unique CDR3
14 unique J



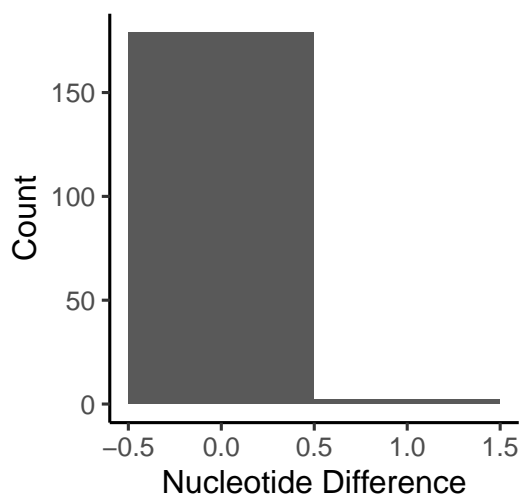
TRBV6-8*ap01

254 sequences assigned
252 (99.2%) exact matches, in which:
244 unique CDR3
14 unique J



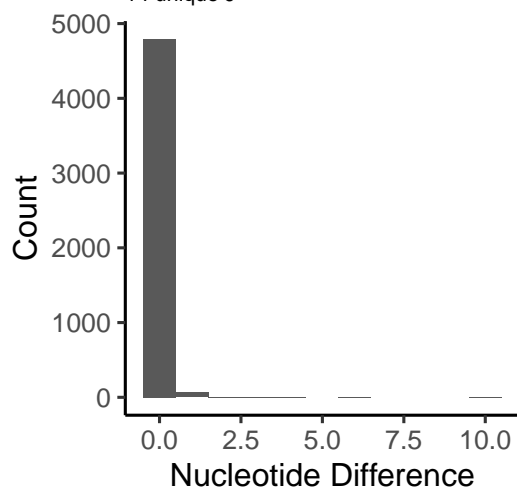
TRBV5-7*ap01

181 sequences assigned
179 (98.9%) exact matches, in which:
177 unique CDR3
14 unique J



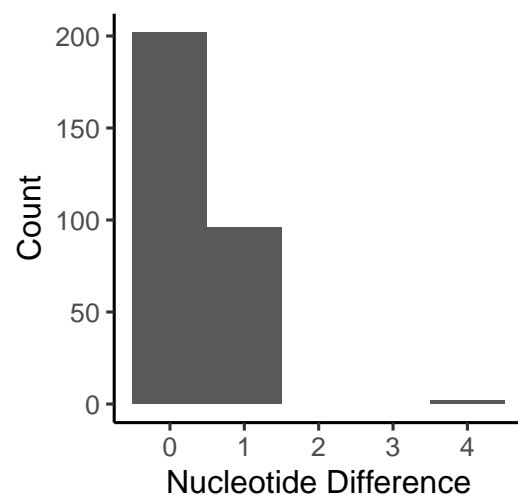
TRBV6-4*ap01

4869 sequences assigned
4793 (98.4%) exact matches, in which:
4710 unique CDR3
14 unique J



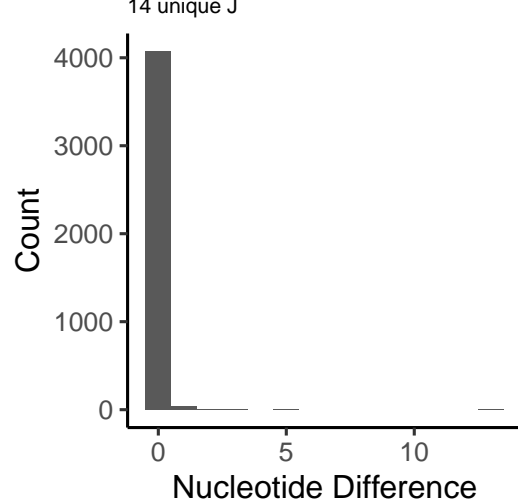
TRBV6-9*ap01

300 sequences assigned
202 (67.3%) exact matches, in which:
201 unique CDR3
14 unique J



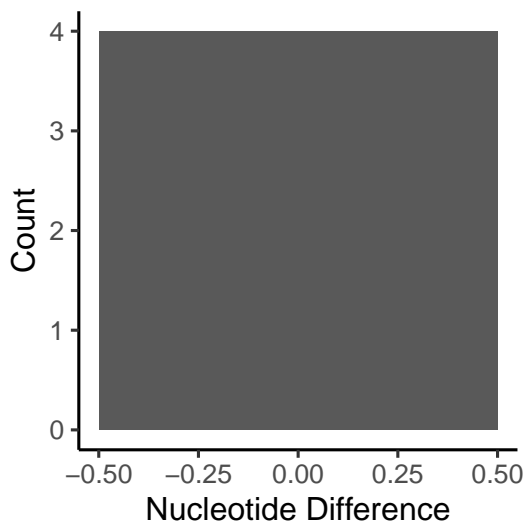
TRBV6-23*ap01

4115 sequences assigned
4072 (99%) exact matches, in which:
4010 unique CDR3
14 unique J



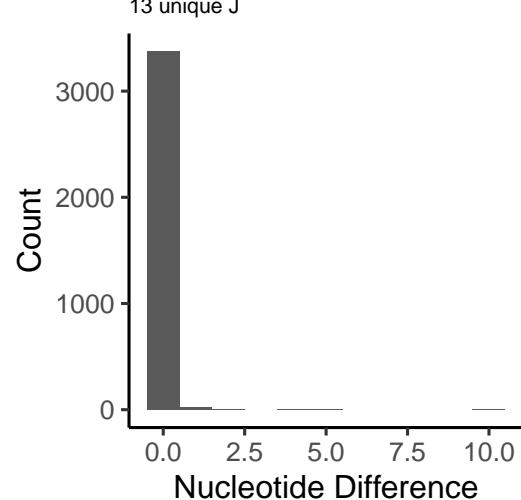
TRBV7-1*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



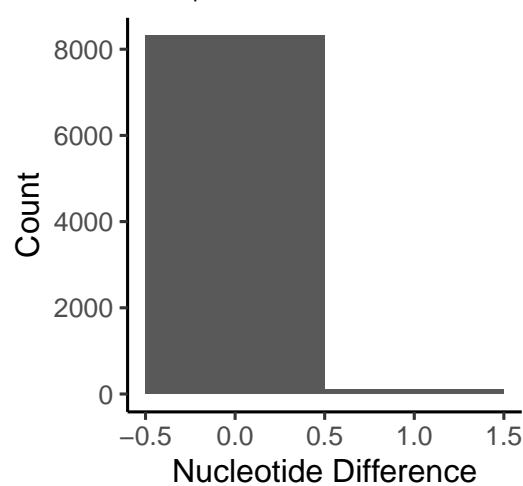
TRBV7-3*ap01

3408 sequences assigned
3374 (99%) exact matches, in which:
3323 unique CDR3
13 unique J



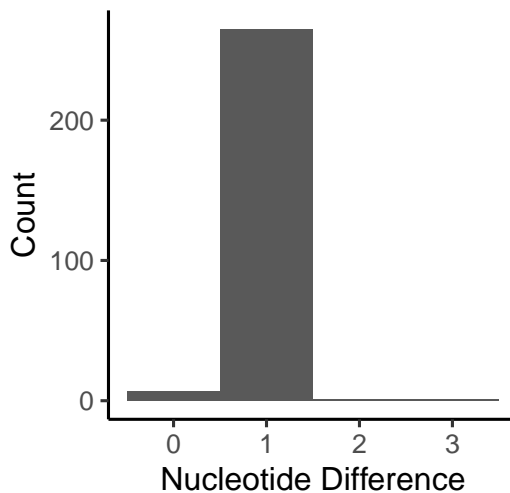
TRBV6-56*ap01

8422 sequences assigned
8313 (98.7%) exact matches, in which:
8186 unique CDR3
14 unique J



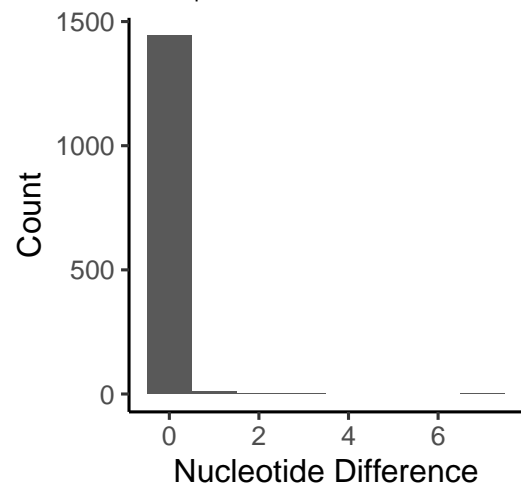
TRBV7-1*ap01_T296C_(

274 sequences assigned
7 (2.6%) exact matches, in which:
7 unique CDR3
5 unique J



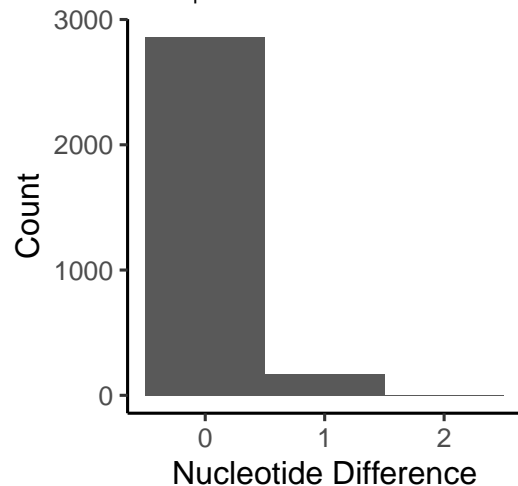
TRBV7-3*ap03

1457 sequences assigned
1443 (99%) exact matches, in which:
1415 unique CDR3
13 unique J



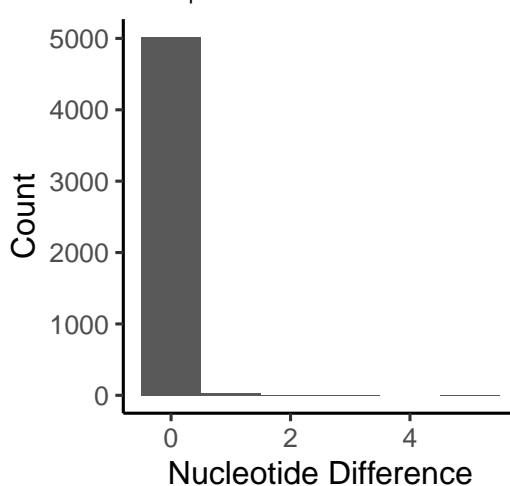
TRBV6-56*ap02

3031 sequences assigned
2860 (94.4%) exact matches, in which:
2811 unique CDR3
14 unique J



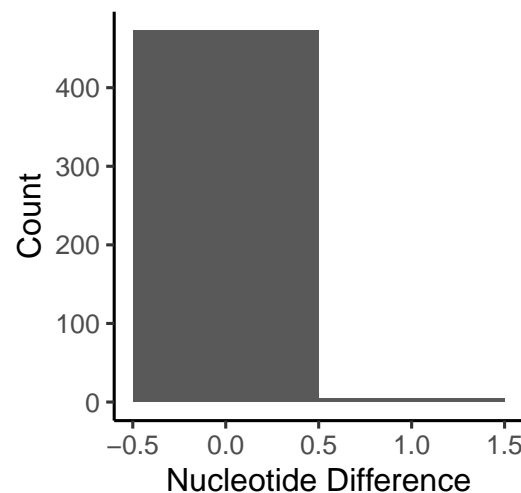
TRBV7-2*ap01

5057 sequences assigned
5019 (99.2%) exact matches, in which:
4950 unique CDR3
14 unique J



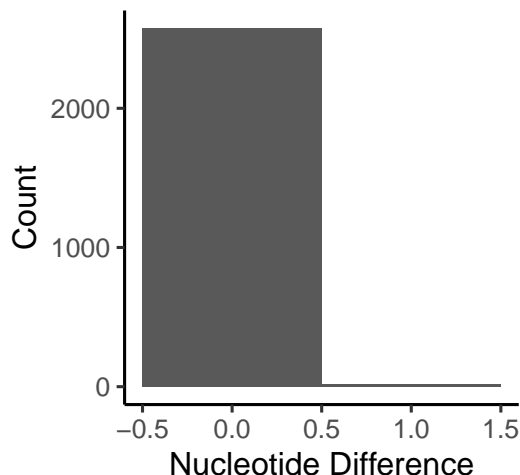
TRBV7-4*ap01

478 sequences assigned
473 (99%) exact matches, in which:
464 unique CDR3
14 unique J



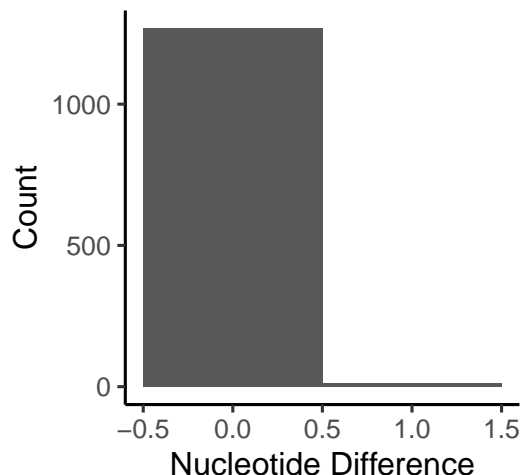
TRBV7-6*ap01

2594 sequences assigned
2574 (99.2%) exact matches, in which:
2529 unique CDR3
14 unique J



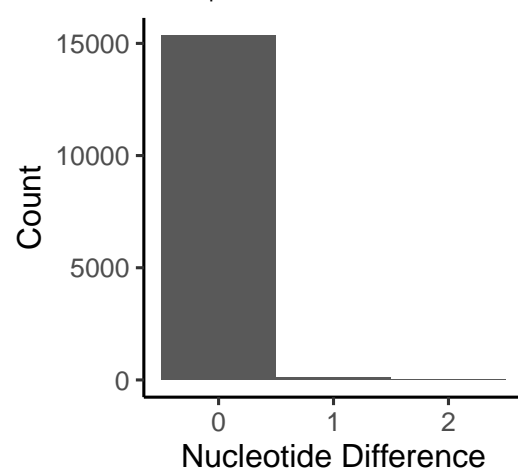
TRBV7-8*ap01

1280 sequences assigned
1268 (99.1%) exact matches, in which:
1242 unique CDR3
13 unique J



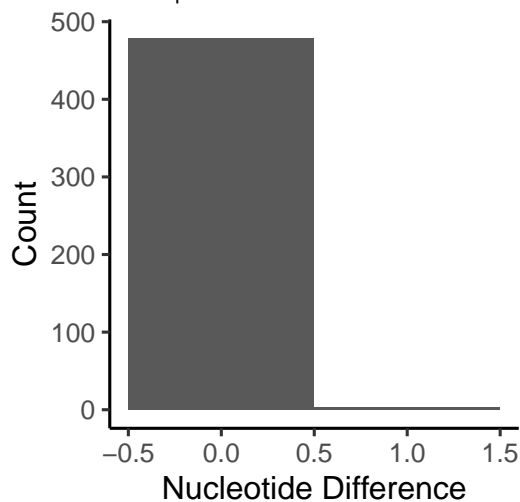
TRBV7-9*ap01

15488 sequences assigned
15367 (99.2%) exact matches, in which:
15175 unique CDR3
14 unique J



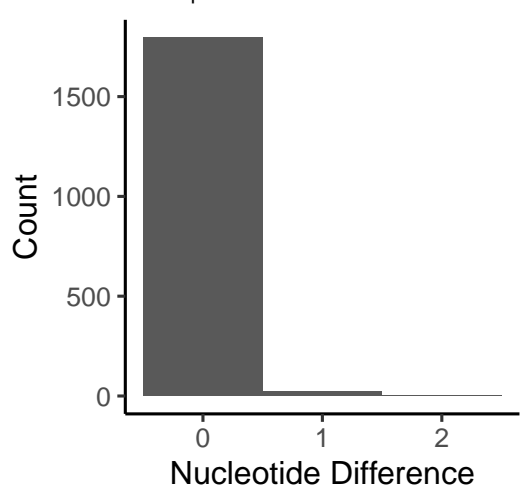
TRBV7-7*ap01

482 sequences assigned
479 (99.4%) exact matches, in which:
475 unique CDR3
13 unique J



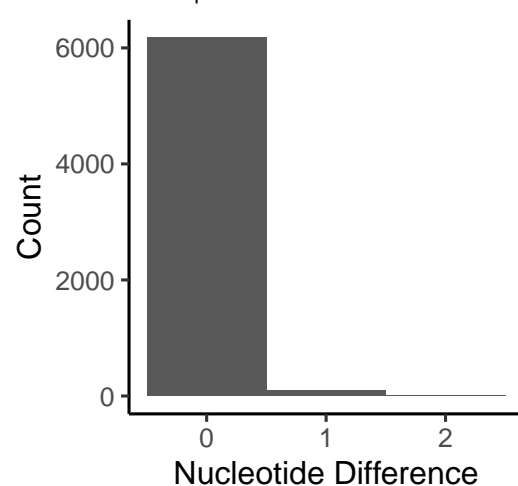
TRBV7-8*ap02

1817 sequences assigned
1795 (98.8%) exact matches, in which:
1776 unique CDR3
13 unique J



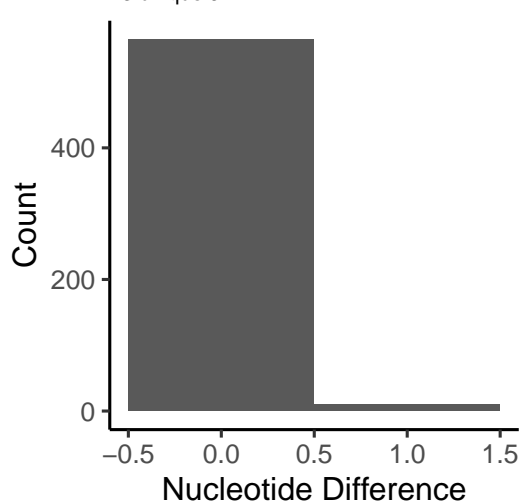
TRBV29-1*ap01

6268 sequences assigned
6175 (98.5%) exact matches, in which:
6081 unique CDR3
14 unique J



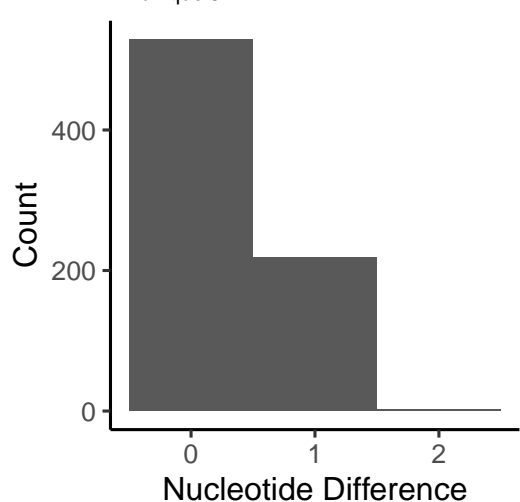
TRBV7-7*ap01_C315T

575 sequences assigned
565 (98.3%) exact matches, in which:
558 unique CDR3
13 unique J



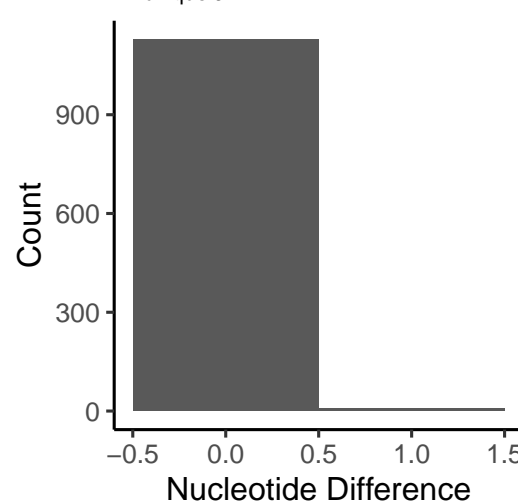
TRBV7-8*ap03

749 sequences assigned
529 (70.6%) exact matches, in which:
515 unique CDR3
14 unique J

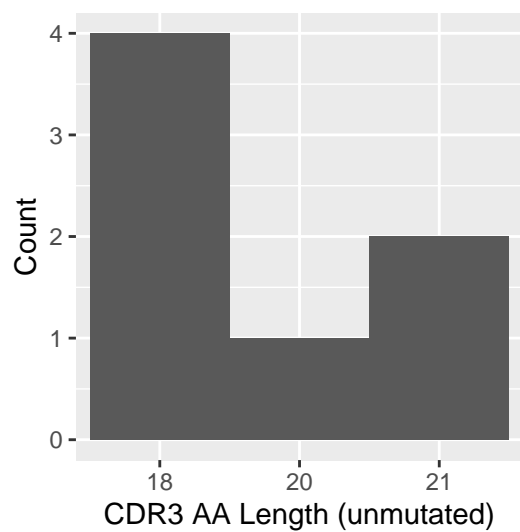


TRBV29-1*ap02

1138 sequences assigned
1129 (99.2%) exact matches, in which:
1116 unique CDR3
14 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T

