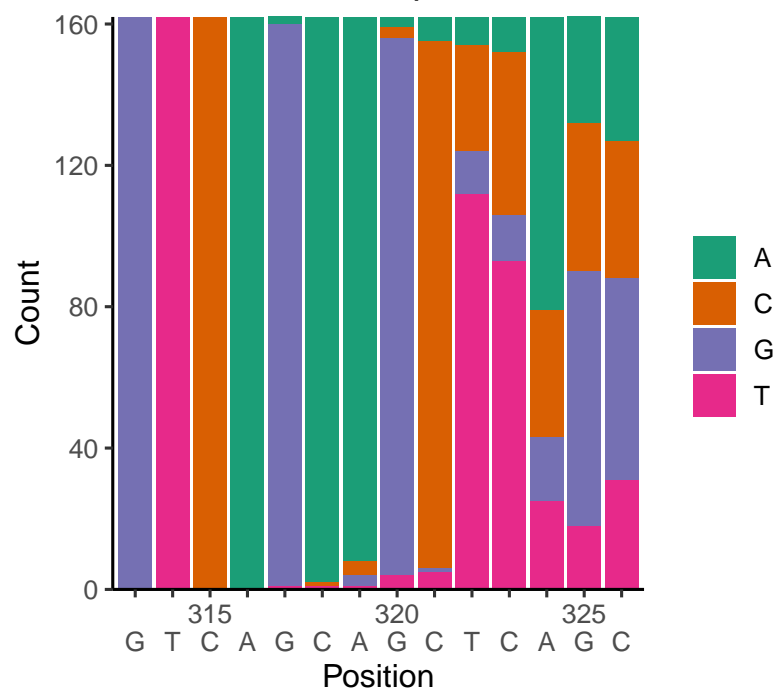
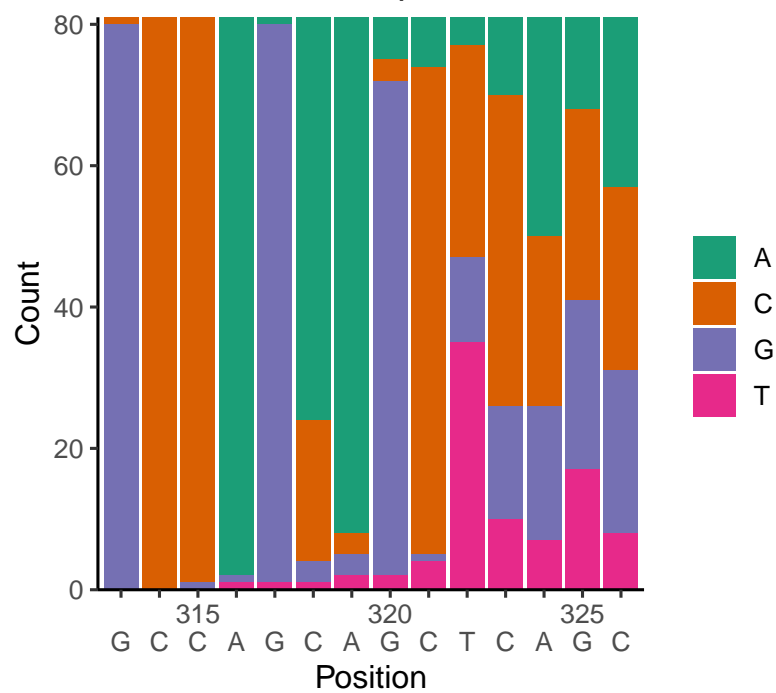


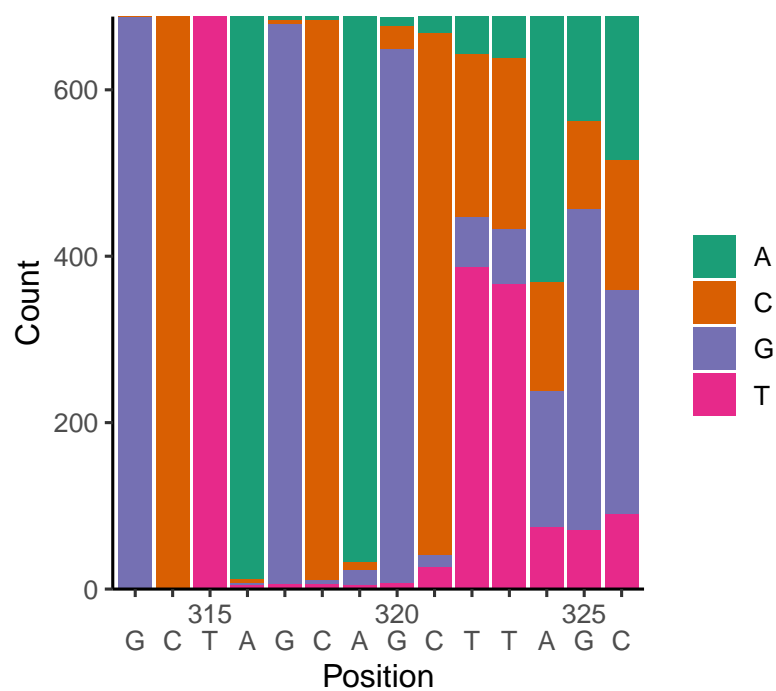
Gene TRBV7-1*ap01_T296C_C314T



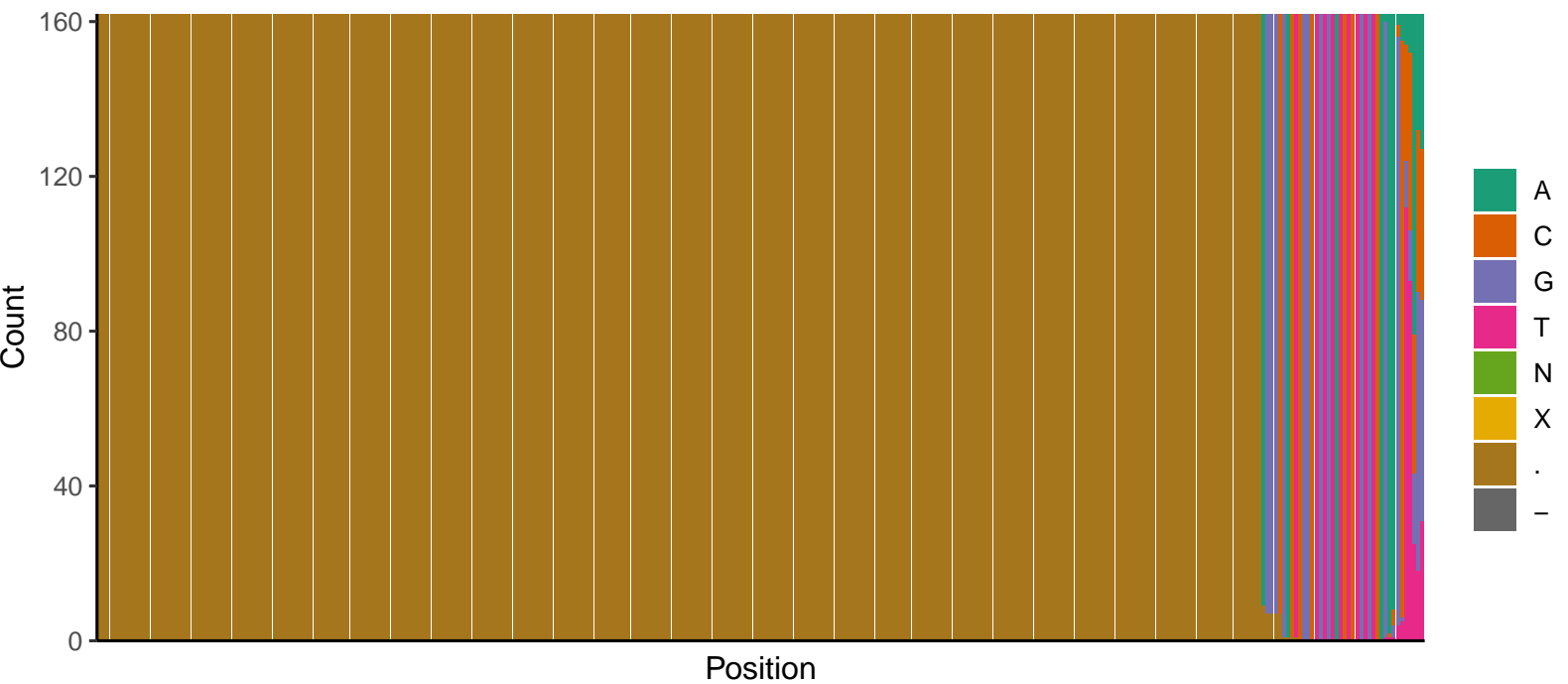
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



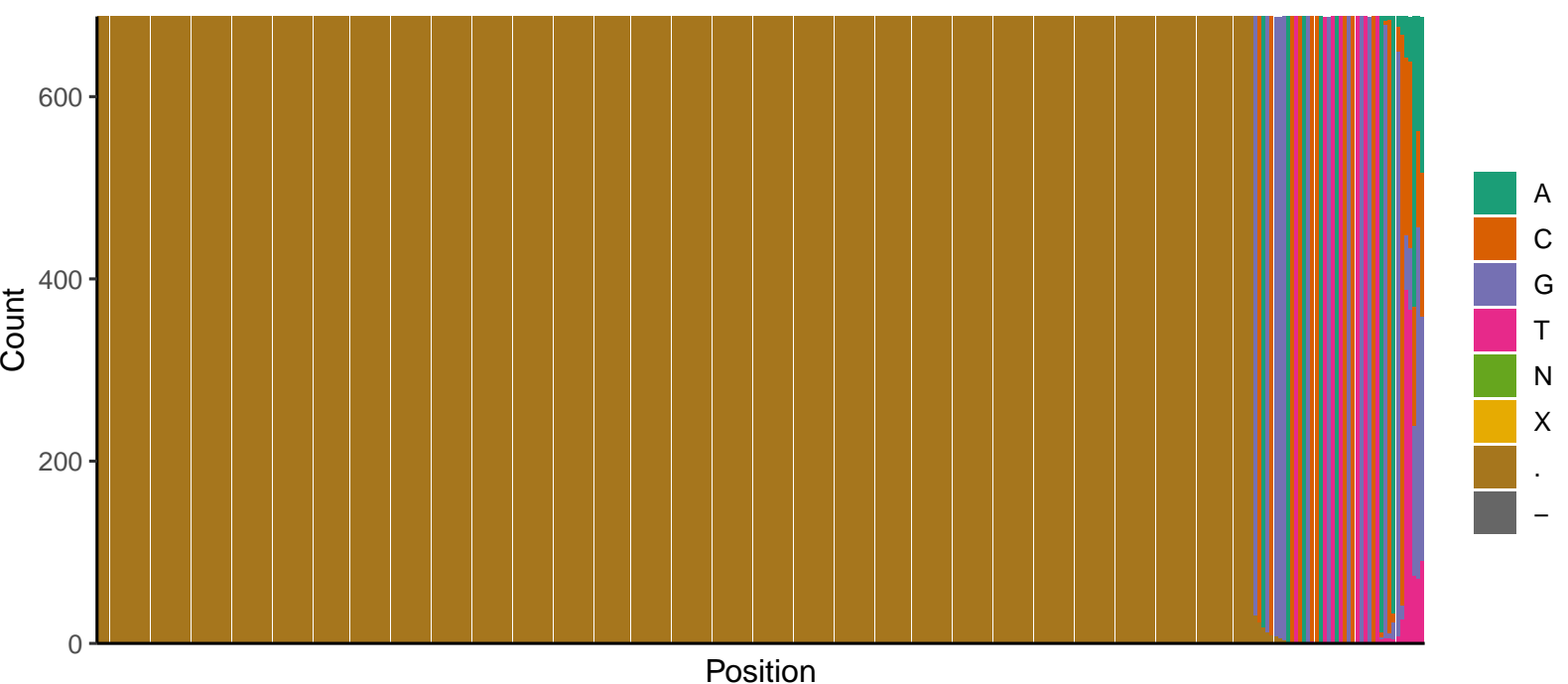
Gene TRBV7-1*ap01_T296C_C314T



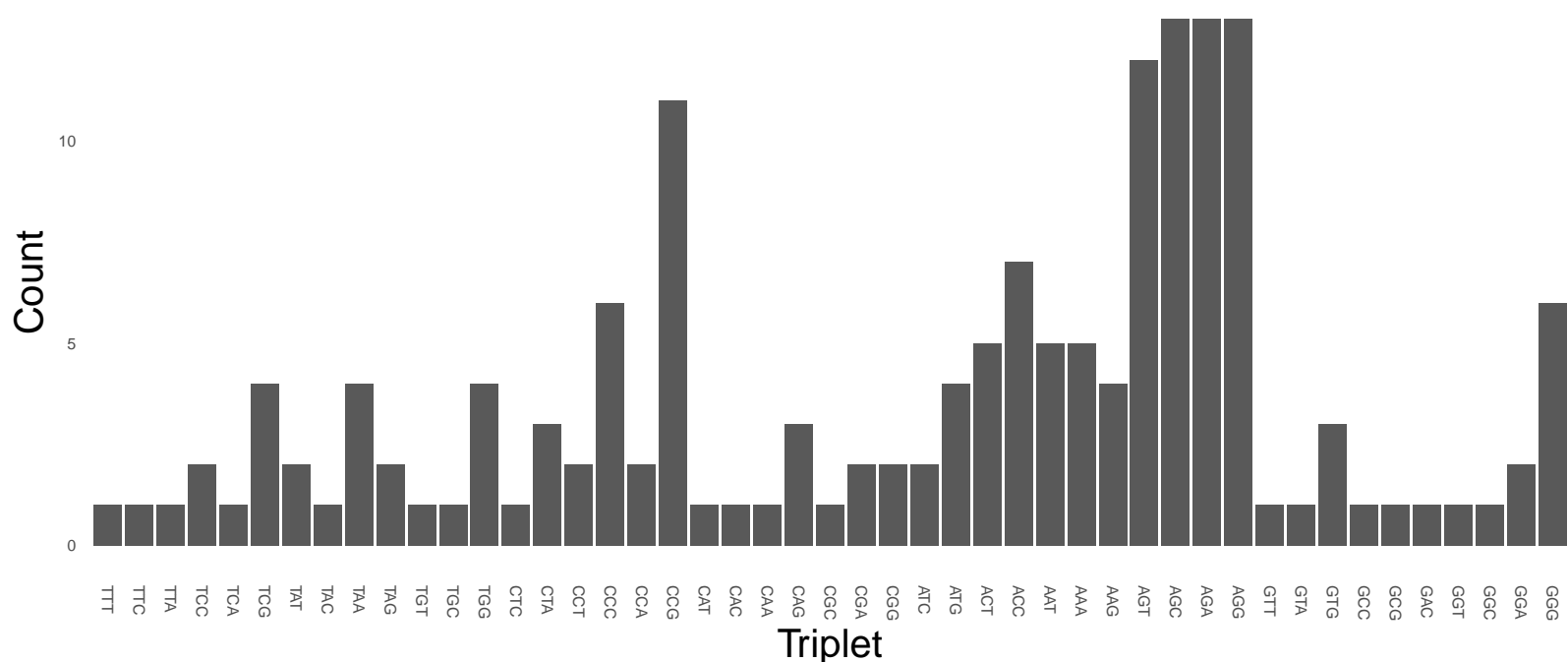
Gene TRBV7-1*ap01_T296C



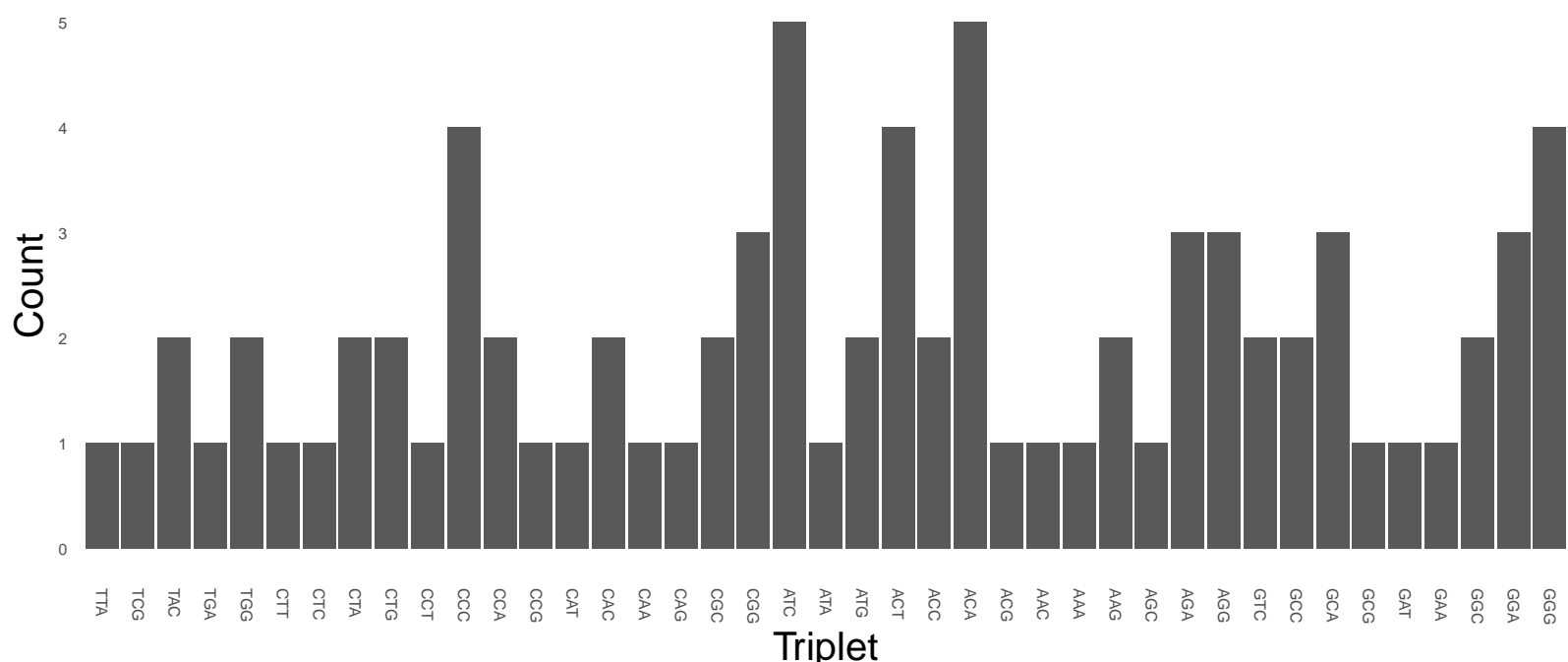
Gene TRBV7-7*ap01_C315T



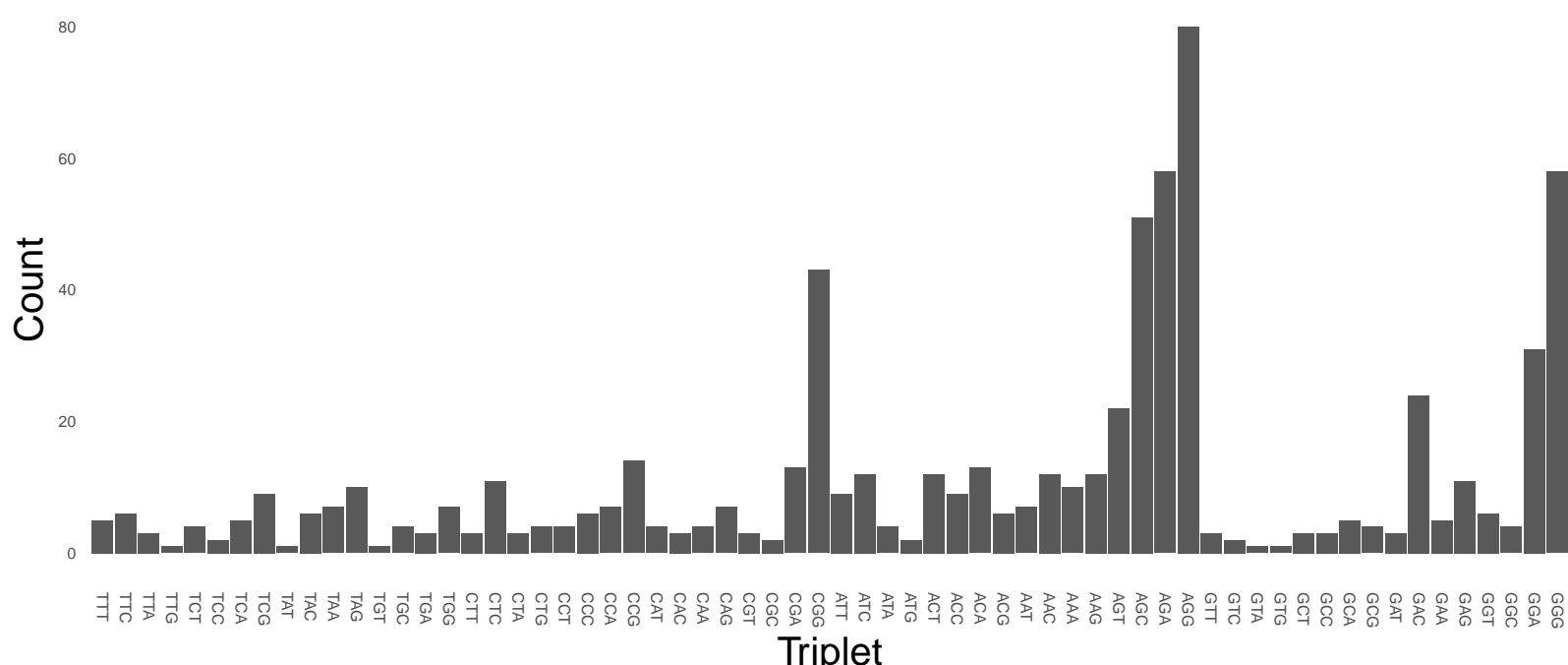
TRBV7-1*ap01_T296C- C314T- Final 3 nucleotides as a triplet



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

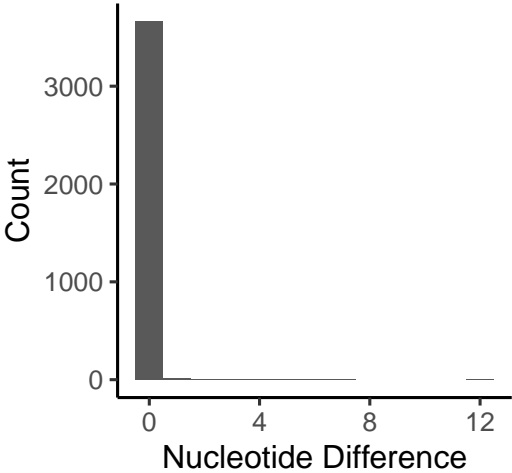


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



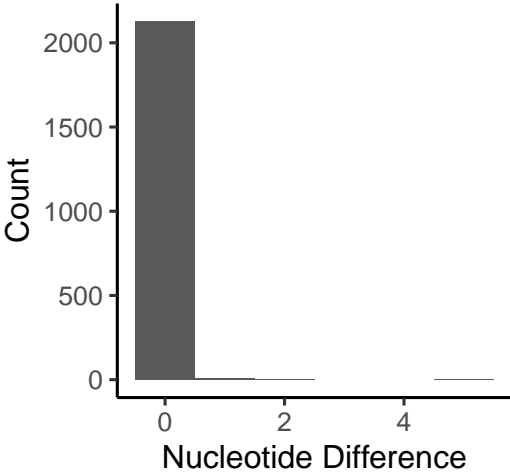
TRBV10-1*ap01

3690 sequences assigned
3662 (99.2%) exact matches, in which:
3573 unique CDR3
13 unique J



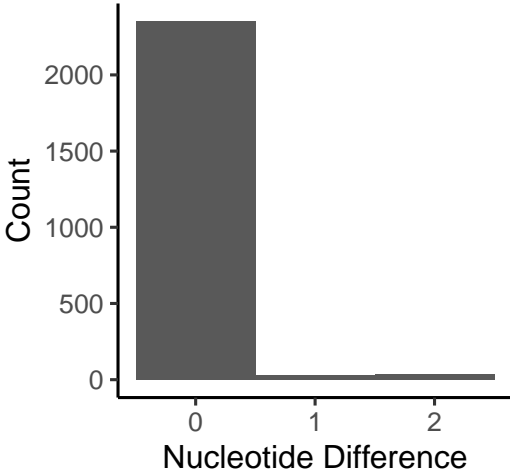
TRBV10-2*ap01

2140 sequences assigned
2127 (99.4%) exact matches, in which:
2088 unique CDR3
13 unique J



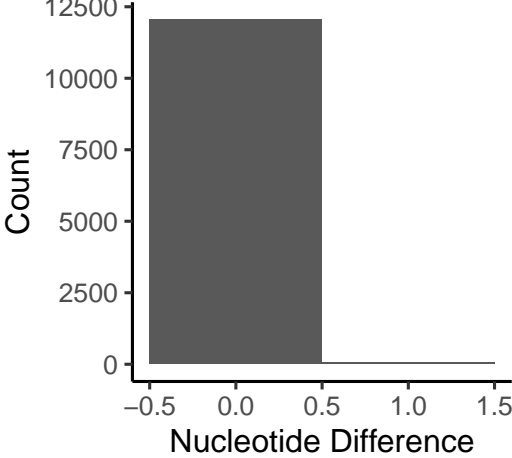
TRBV13*ap01

2415 sequences assigned
2351 (97.3%) exact matches, in which:
2262 unique CDR3
13 unique J



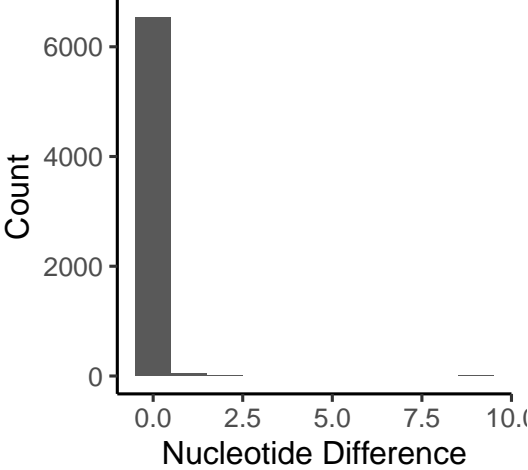
TRBV20-1*ap01

12114 sequences assigned
12055 (99.5%) exact matches, in which:
11957 unique CDR3
13 unique J



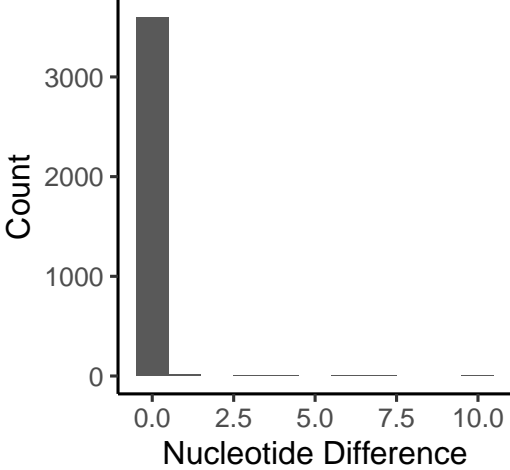
TRBV10-3*ap01

6580 sequences assigned
6529 (99.2%) exact matches, in which:
6385 unique CDR3
13 unique J



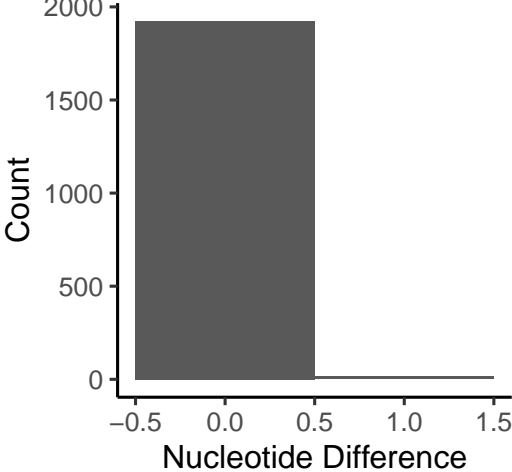
TRBV14*ap01

3618 sequences assigned
3594 (99.3%) exact matches, in which:
3532 unique CDR3
13 unique J



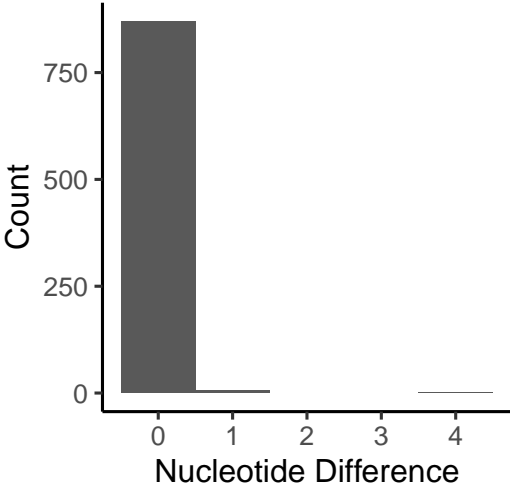
TRBV20-1*ap02

1939 sequences assigned
1924 (99.2%) exact matches, in which:
1908 unique CDR3
13 unique J



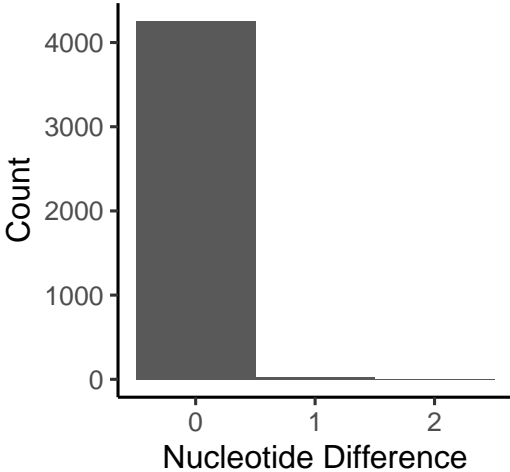
TRBV1*ap01

878 sequences assigned
870 (99.1%) exact matches, in which:
824 unique CDR3
13 unique J



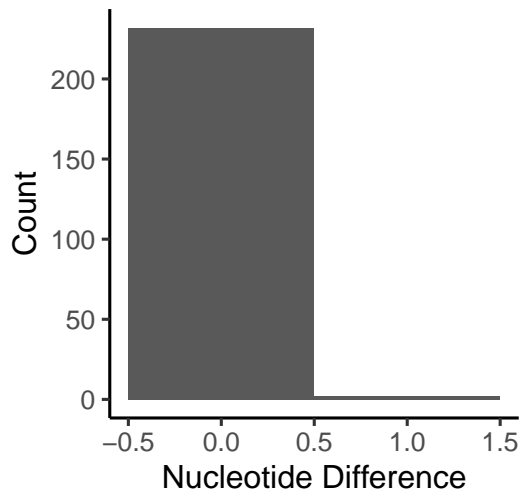
TRBV15*ap02

4282 sequences assigned
4255 (99.4%) exact matches, in which:
4132 unique CDR3
13 unique J



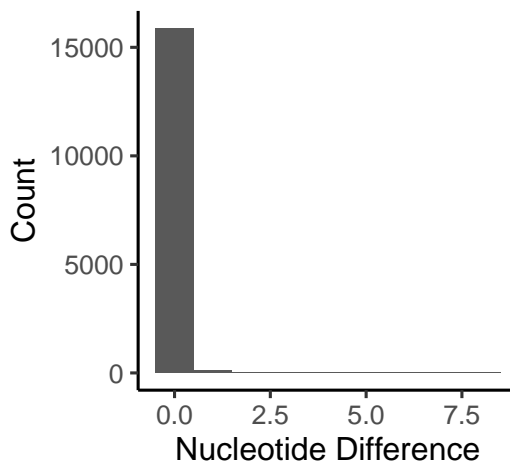
TRBV16*ap01

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



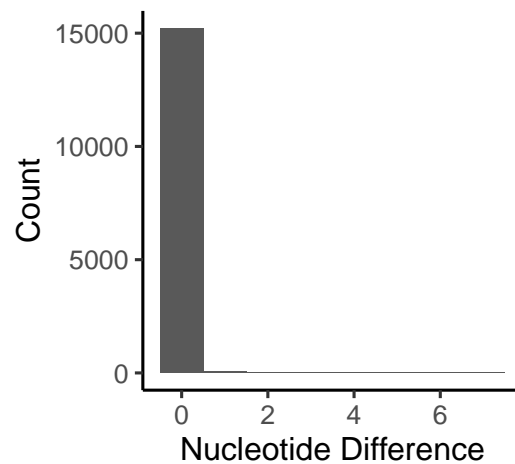
TRBV19*ap01

16001 sequences assigned
15883 (99.3%) exact matches, in which:
15759 unique CDR3
13 unique J



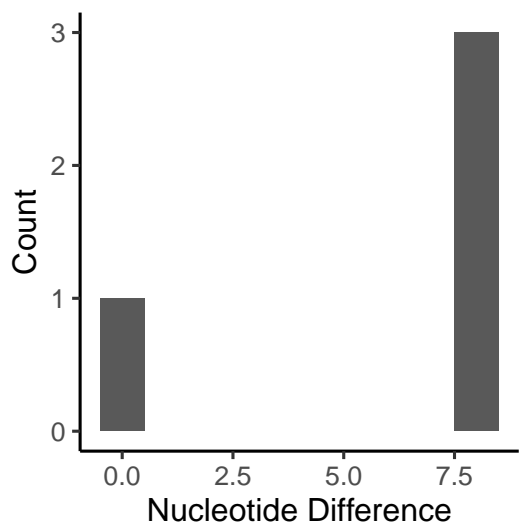
TRBV28*ap01

15317 sequences assigned
15222 (99.4%) exact matches, in which:
15010 unique CDR3
13 unique J



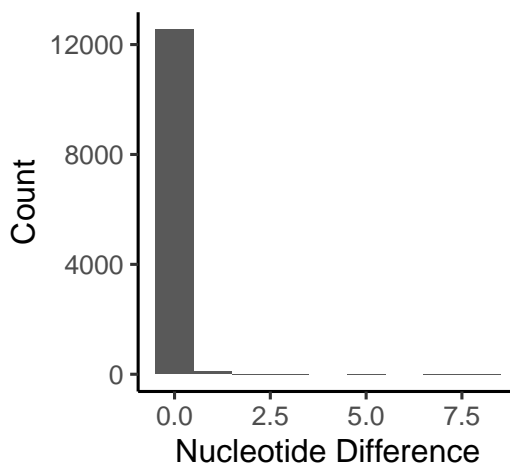
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



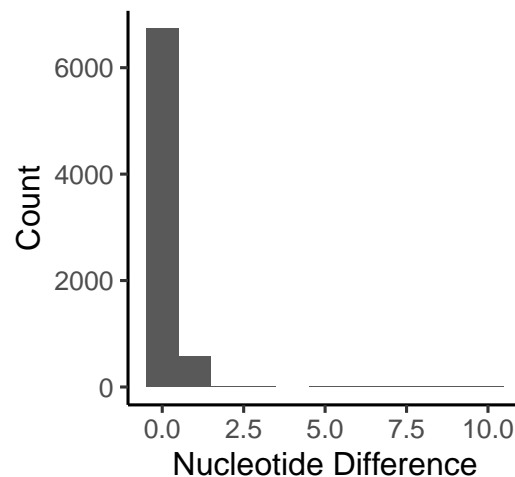
TRBV2*ap01

12658 sequences assigned
12550 (99.1%) exact matches, in which:
12208 unique CDR3
13 unique J



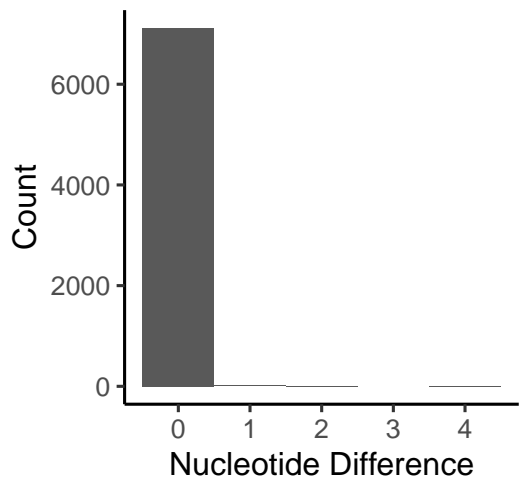
TRBV30*ap01

7329 sequences assigned
6732 (91.9%) exact matches, in which:
6400 unique CDR3
13 unique J



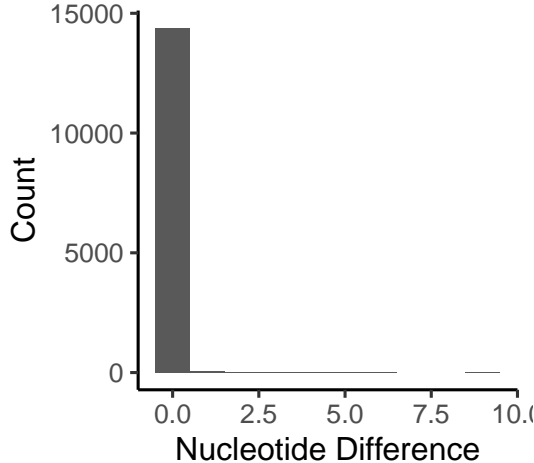
TRBV18*ap01

7135 sequences assigned
7116 (99.7%) exact matches, in which:
7038 unique CDR3
13 unique J



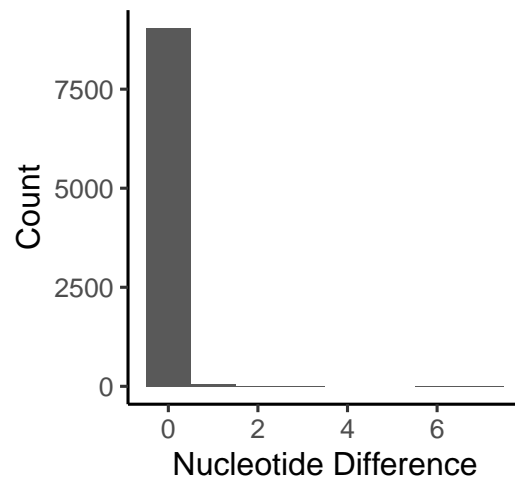
TRBV27*ap01

14486 sequences assigned
14395 (99.4%) exact matches, in which:
14162 unique CDR3
13 unique J



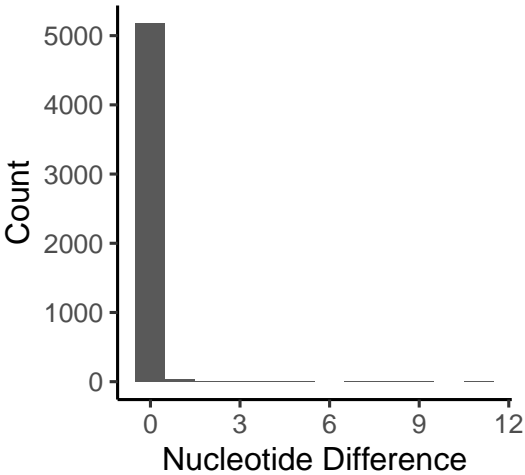
TRBV9*ap01

9105 sequences assigned
9043 (99.3%) exact matches, in which:
8958 unique CDR3
13 unique J



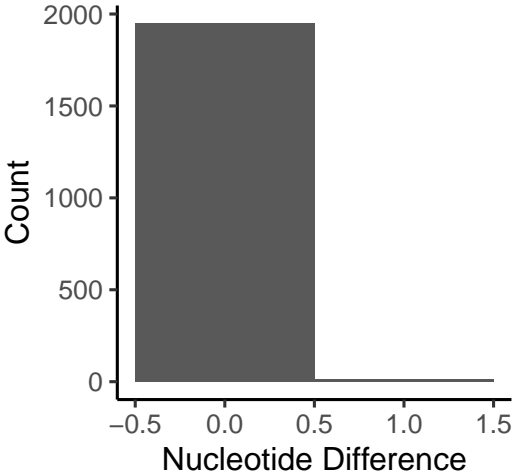
TRBV21-1*ap01

5241 sequences assigned
5177 (98.8%) exact matches, in which:
5137 unique CDR3
13 unique J



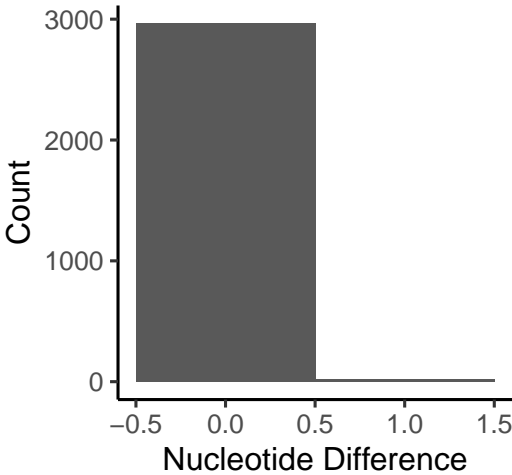
TRBV11-3*ap01

1961 sequences assigned
1949 (99.4%) exact matches, in which:
1940 unique CDR3
13 unique J



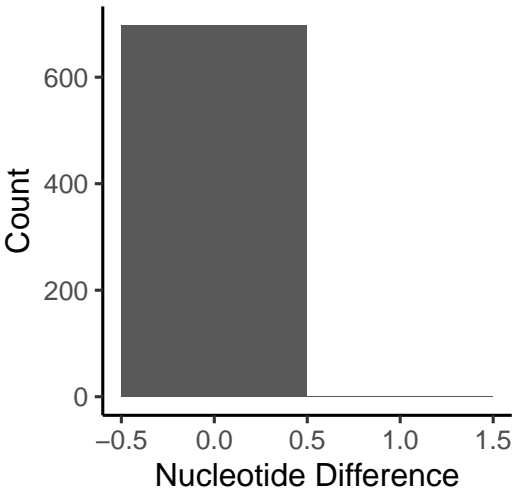
TRBV12-5*ap01

2984 sequences assigned
2965 (99.4%) exact matches, in which:
2902 unique CDR3
13 unique J



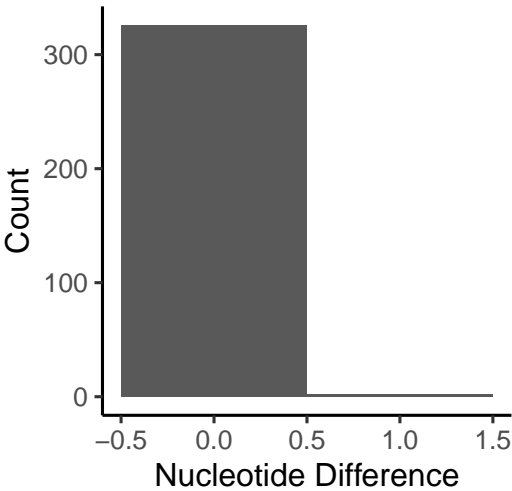
TRBV11-1*ap01

699 sequences assigned
698 (99.9%) exact matches, in which:
692 unique CDR3
13 unique J



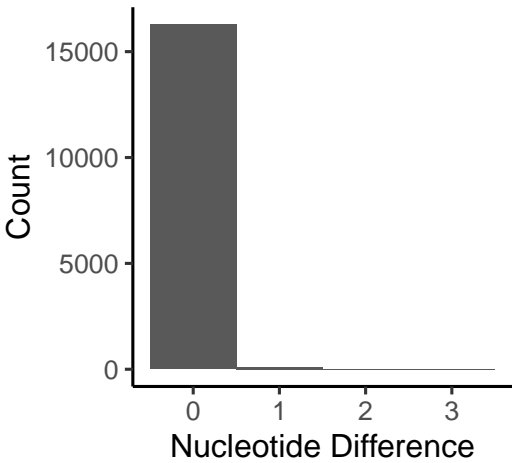
TRBV12-1*ap01

328 sequences assigned
326 (99.4%) exact matches, in which:
321 unique CDR3
13 unique J



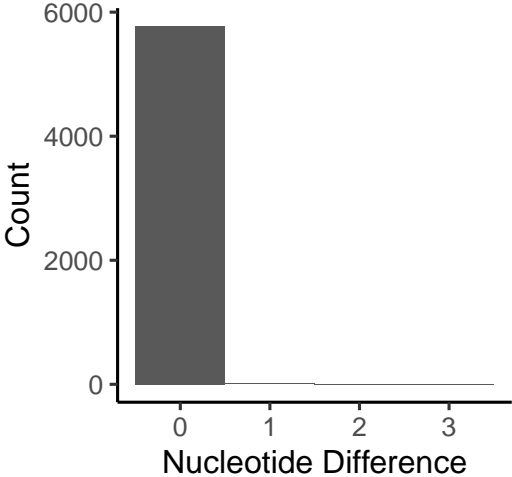
TRBV12-34*ap01

16397 sequences assigned
16283 (99.3%) exact matches, in which:
15961 unique CDR3
13 unique J



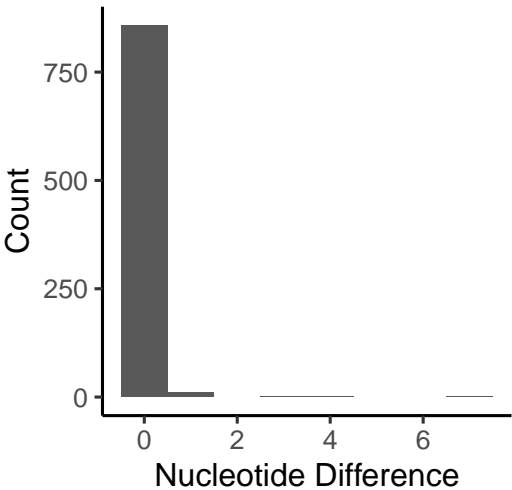
TRBV11-2*ap01

5793 sequences assigned
5776 (99.7%) exact matches, in which:
5726 unique CDR3
13 unique J



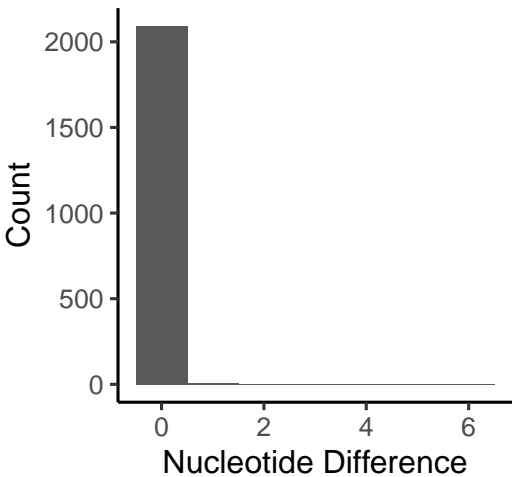
TRBV12-2*ap01

872 sequences assigned
858 (98.4%) exact matches, in which:
836 unique CDR3
13 unique J



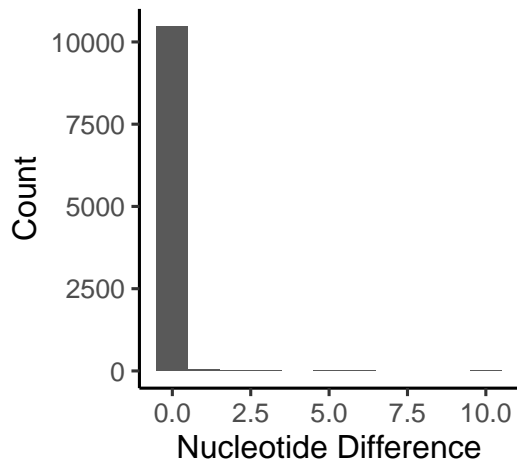
TRBV23-1*ap01

2106 sequences assigned
2092 (99.3%) exact matches, in which:
2060 unique CDR3
13 unique J



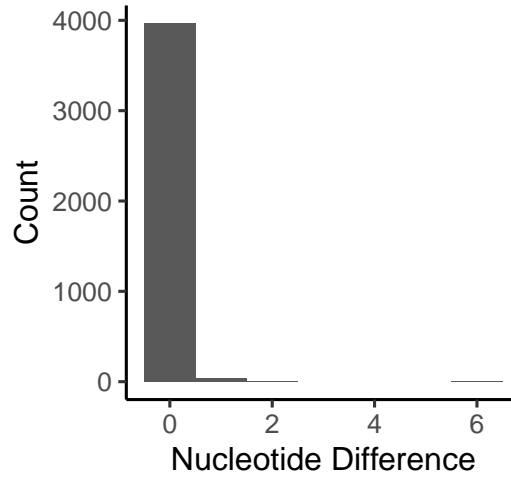
TRBV3-12*ap01

10541 sequences assigned
10480 (99.4%) exact matches, in which:
10336 unique CDR3
14 unique J



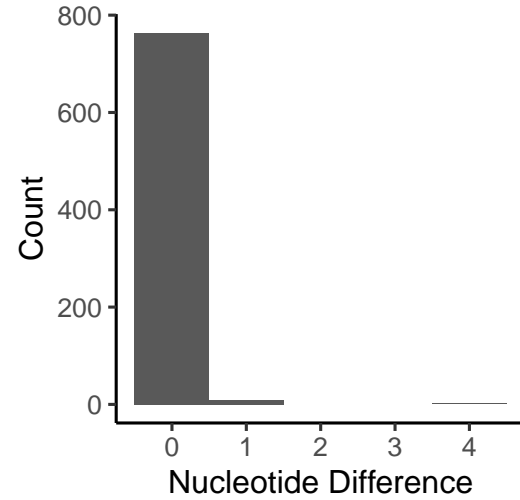
TRBV4-2*ap01

4011 sequences assigned
3966 (98.9%) exact matches, in which:
3850 unique CDR3
13 unique J



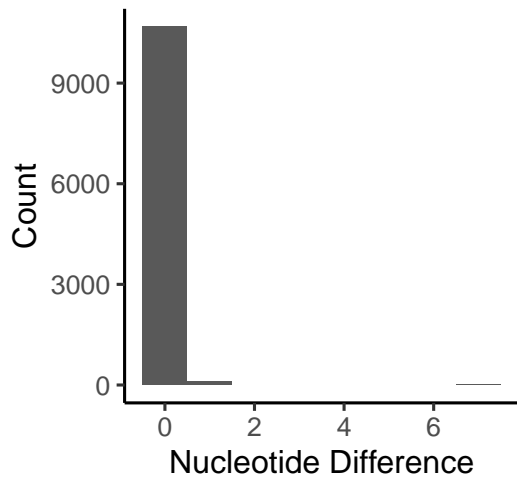
TRBV5-3*ap01

775 sequences assigned
764 (98.6%) exact matches, in which:
748 unique CDR3
13 unique J



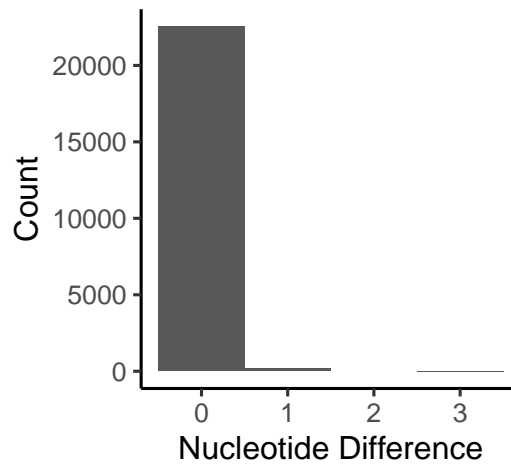
TRBV4-1*ap01

10776 sequences assigned
10681 (99.1%) exact matches, in which:
10369 unique CDR3
13 unique J



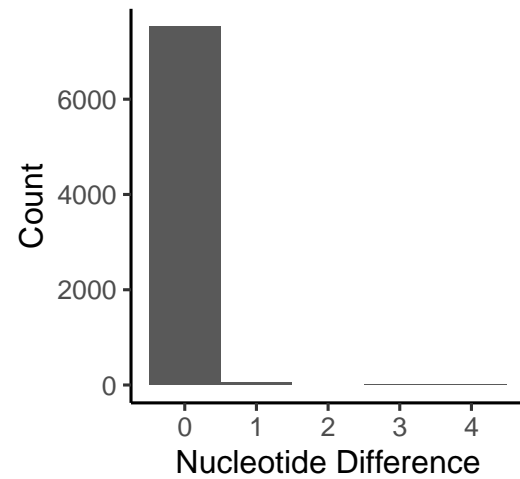
TRBV5-1*ap01

22722 sequences assigned
22546 (99.2%) exact matches, in which:
22017 unique CDR3
13 unique J



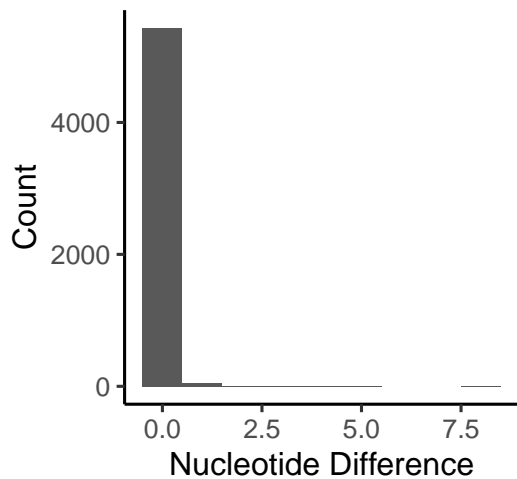
TRBV5-4*ap01

7579 sequences assigned
7522 (99.2%) exact matches, in which:
7339 unique CDR3
13 unique J



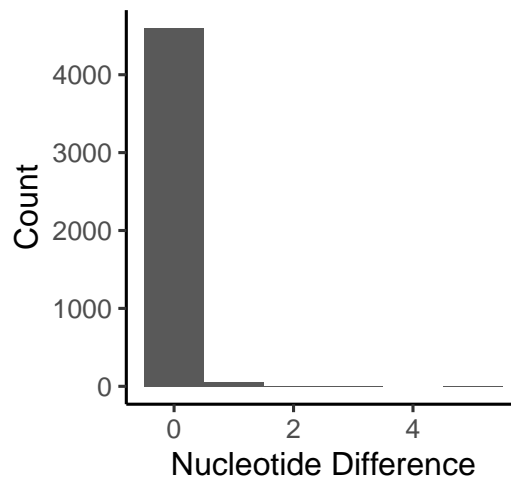
TRBV24-1*ap01

5488 sequences assigned
5431 (99%) exact matches, in which:
5292 unique CDR3
13 unique J



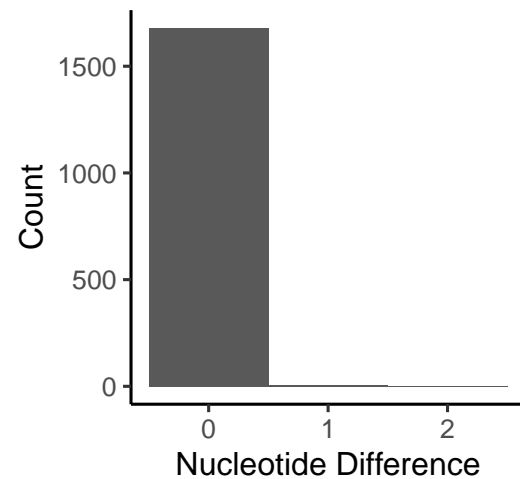
TRBV25-1*ap01

4663 sequences assigned
4599 (98.6%) exact matches, in which:
4419 unique CDR3
13 unique J



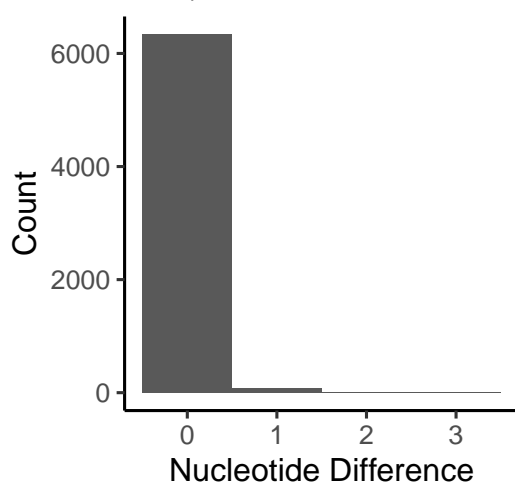
TRBV5-5*ap01

1687 sequences assigned
1679 (99.5%) exact matches, in which:
1677 unique CDR3
13 unique J



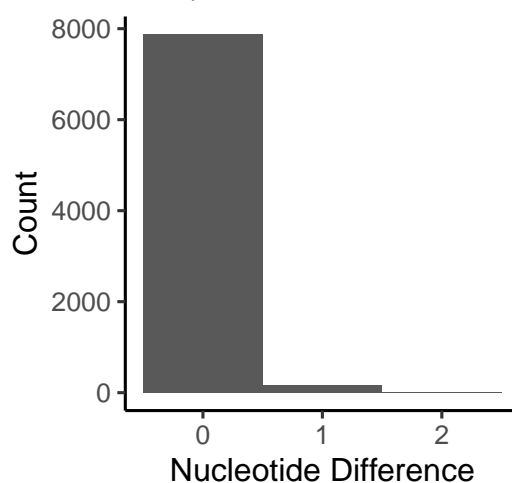
TRBV5-6*ap01

6426 sequences assigned
6337 (98.6%) exact matches, in which:
6065 unique CDR3
13 unique J



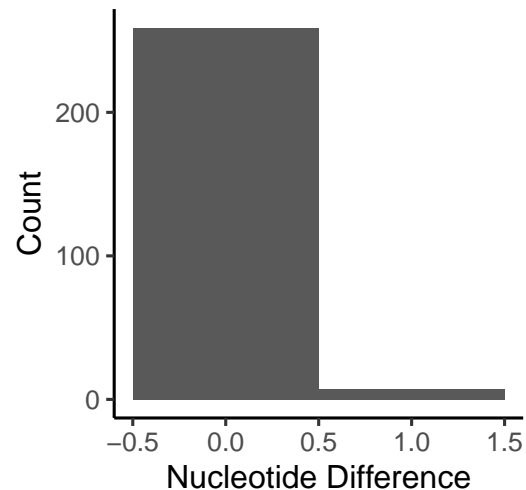
TRBV6-1*ap01

8044 sequences assigned
7874 (97.9%) exact matches, in which:
7629 unique CDR3
13 unique J



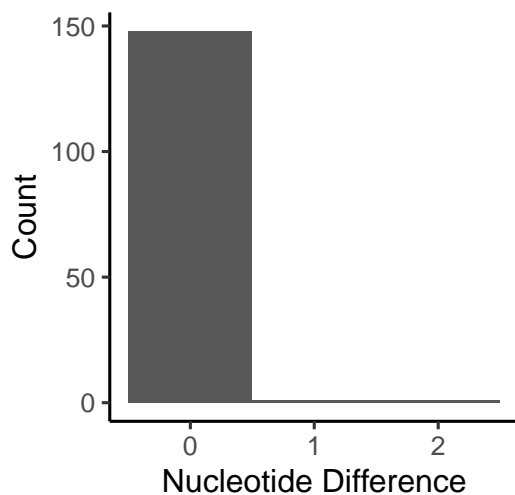
TRBV6-8*ap01

266 sequences assigned
259 (97.4%) exact matches, in which:
249 unique CDR3
12 unique J



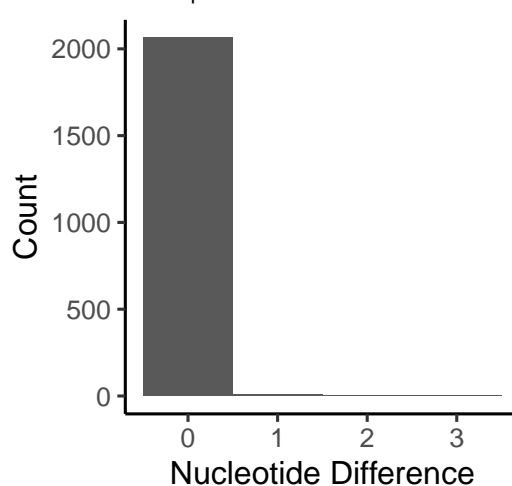
TRBV5-7*ap01

150 sequences assigned
148 (98.7%) exact matches, in which:
144 unique CDR3
13 unique J



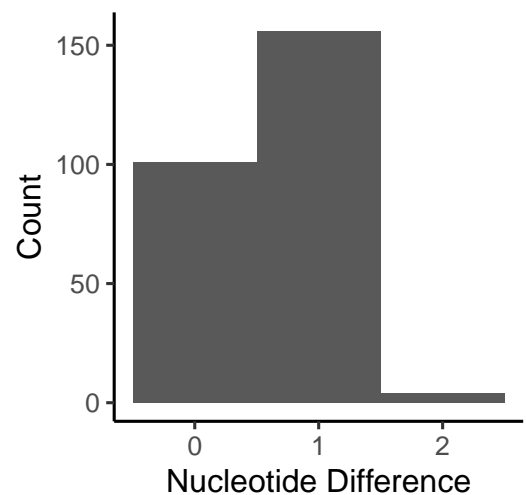
TRBV6-4*ap01

2079 sequences assigned
2064 (99.3%) exact matches, in which:
2028 unique CDR3
13 unique J



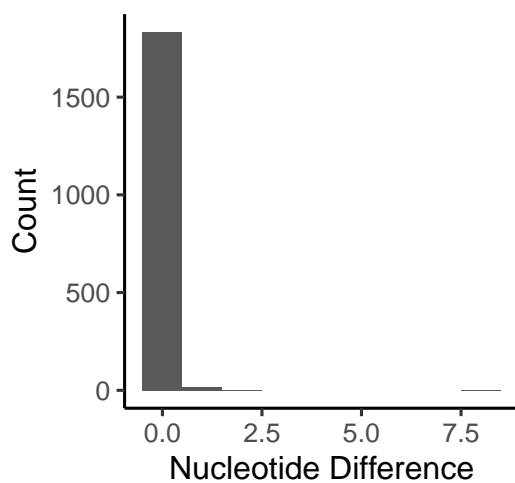
TRBV6-9*ap01

261 sequences assigned
101 (38.7%) exact matches, in which:
94 unique CDR3
12 unique J



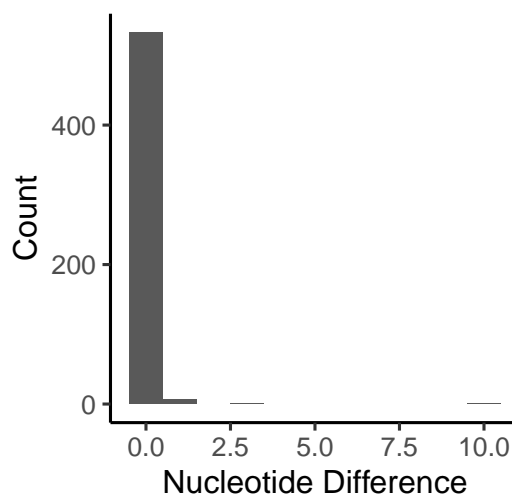
TRBV5-8*ap01

1853 sequences assigned
1833 (98.9%) exact matches, in which:
1792 unique CDR3
13 unique J



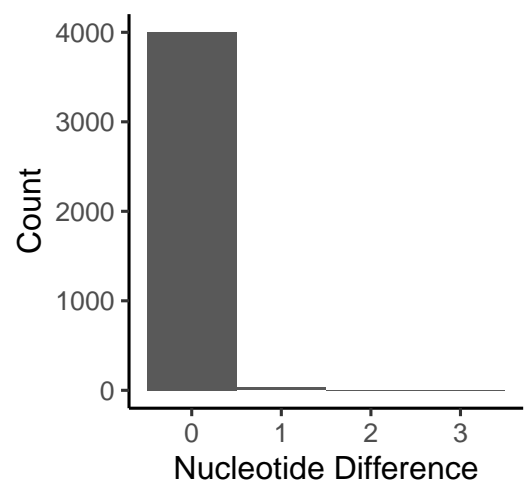
TRBV6-7*ap01

541 sequences assigned
533 (98.5%) exact matches, in which:
513 unique CDR3
13 unique J



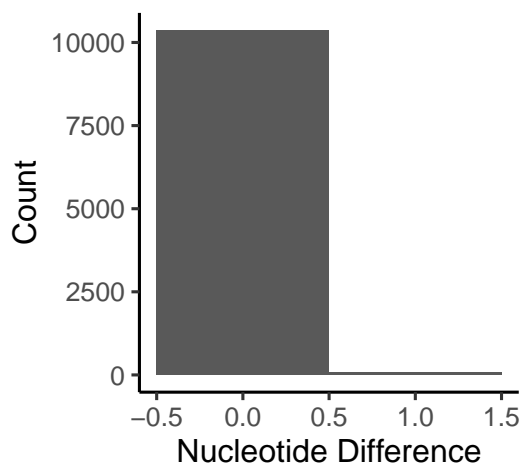
TRBV6-23*ap01

4039 sequences assigned
4003 (99.1%) exact matches, in which:
3849 unique CDR3
13 unique J



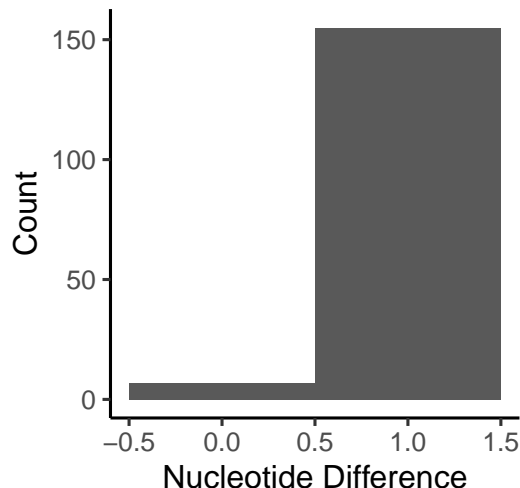
TRBV6-56*ap01

10460 sequences assigned
10371 (99.1%) exact matches, in which:
9998 unique CDR3
13 unique J



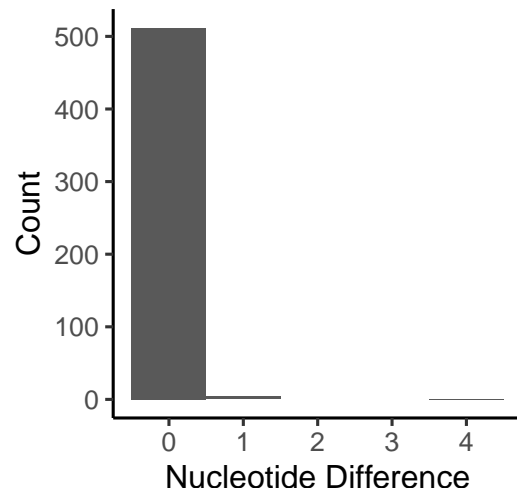
TRBV7-1*ap01_T296C_()

162 sequences assigned
7 (4.3%) exact matches, in which:
7 unique CDR3
5 unique J



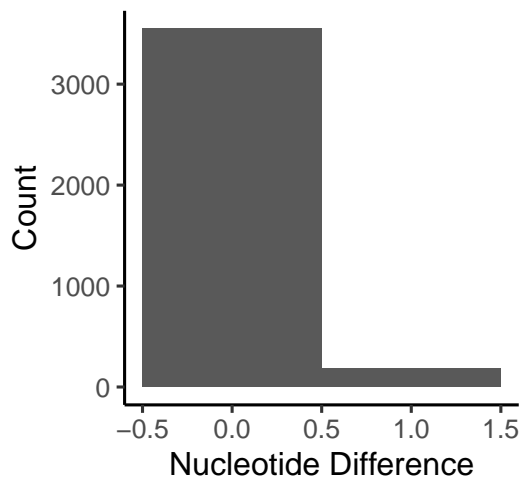
TRBV7-3*ap03

517 sequences assigned
512 (99%) exact matches, in which:
503 unique CDR3
13 unique J



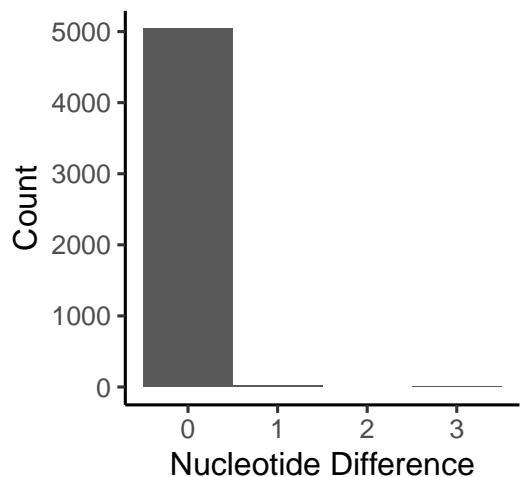
TRBV6-56*ap02

3728 sequences assigned
3549 (95.2%) exact matches, in which:
3418 unique CDR3
13 unique J



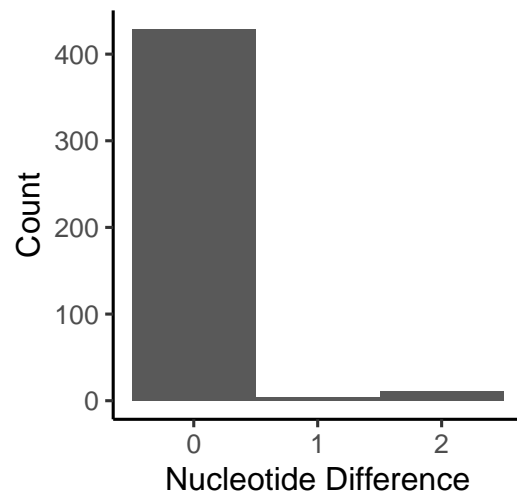
TRBV7-2*ap01

5059 sequences assigned
5040 (99.6%) exact matches, in which:
4953 unique CDR3
13 unique J



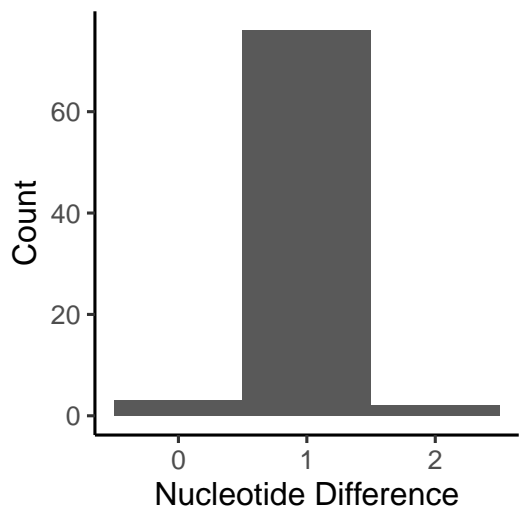
TRBV7-4*ap01

444 sequences assigned
429 (96.6%) exact matches, in which:
415 unique CDR3
13 unique J



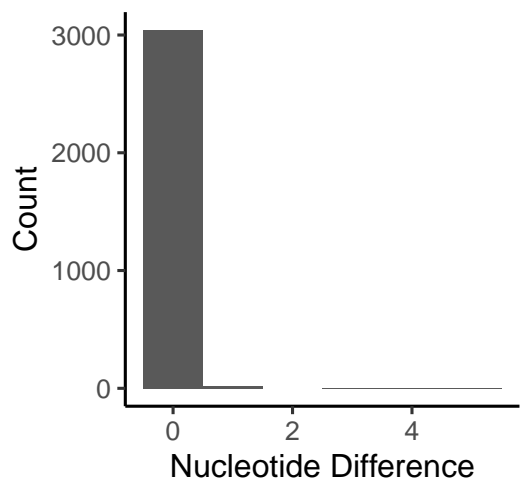
TRBV7-1*ap01_T296C

81 sequences assigned
3 (3.7%) exact matches, in which:
3 unique CDR3
3 unique J



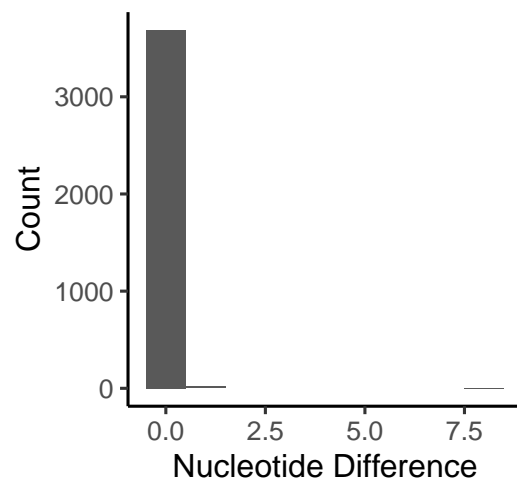
TRBV7-3*ap01

3066 sequences assigned
3042 (99.2%) exact matches, in which:
3018 unique CDR3
13 unique J



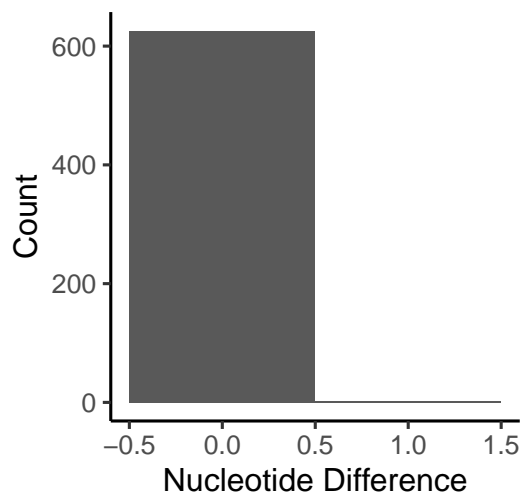
TRBV7-6*ap01

3705 sequences assigned
3687 (99.5%) exact matches, in which:
3607 unique CDR3
13 unique J



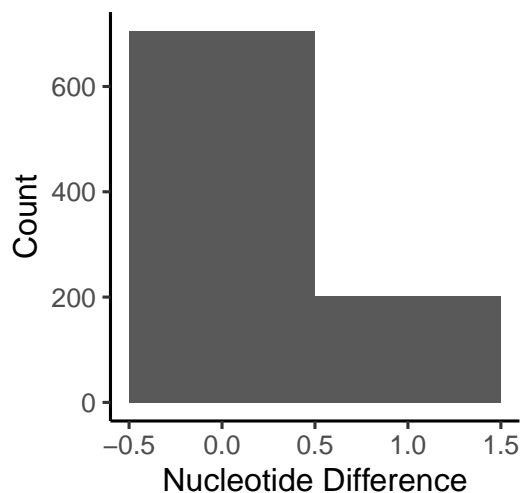
TRBV7-7*ap01

629 sequences assigned
626 (99.5%) exact matches, in which:
619 unique CDR3
13 unique J



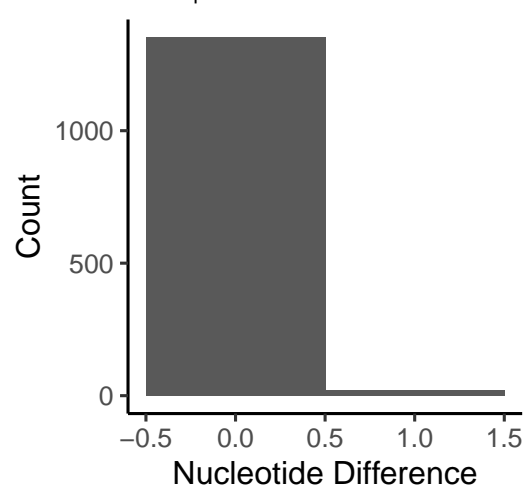
TRBV7-8*ap03

908 sequences assigned
706 (77.8%) exact matches, in which:
689 unique CDR3
13 unique J



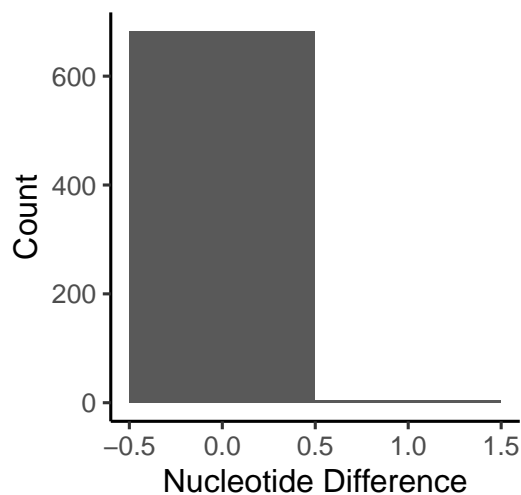
TRBV29-1*ap02

1372 sequences assigned
1352 (98.5%) exact matches, in which:
1271 unique CDR3
13 unique J



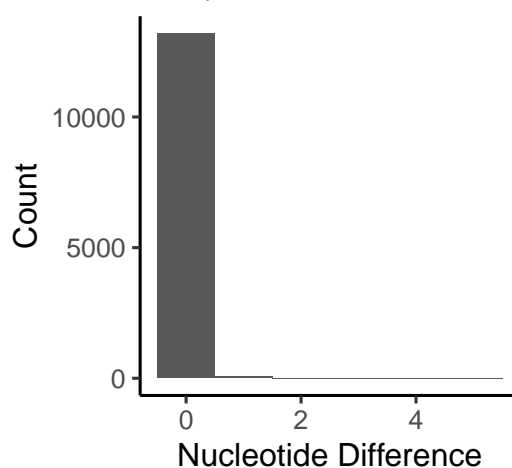
TRBV7-7*ap01_C315T

688 sequences assigned
683 (99.3%) exact matches, in which:
669 unique CDR3
13 unique J



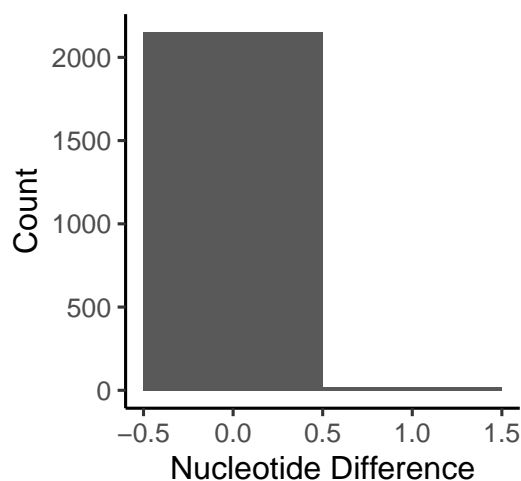
TRBV7-9*ap01

13275 sequences assigned
13196 (99.4%) exact matches, in which:
12967 unique CDR3
13 unique J



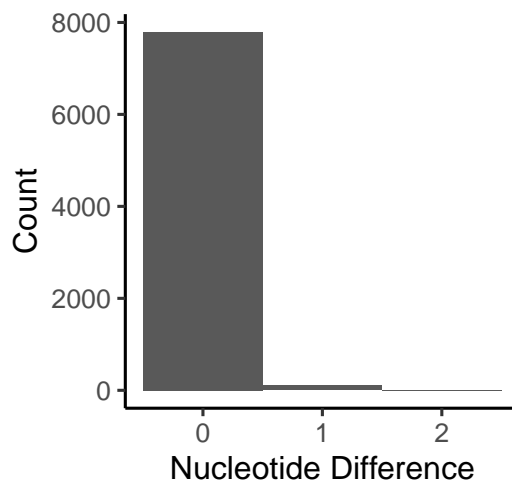
TRBV7-8*ap01

2171 sequences assigned
2152 (99.1%) exact matches, in which:
2119 unique CDR3
13 unique J

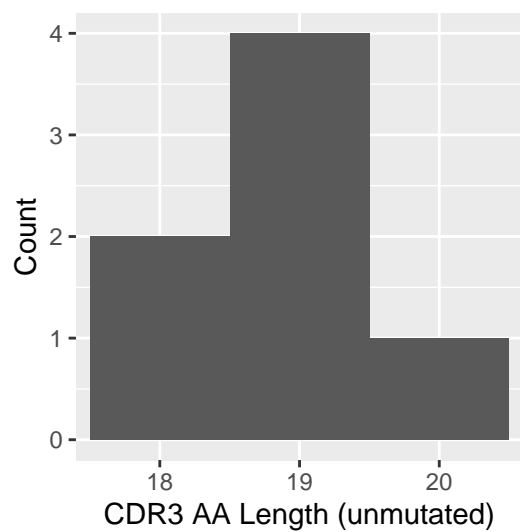


TRBV29-1*ap01

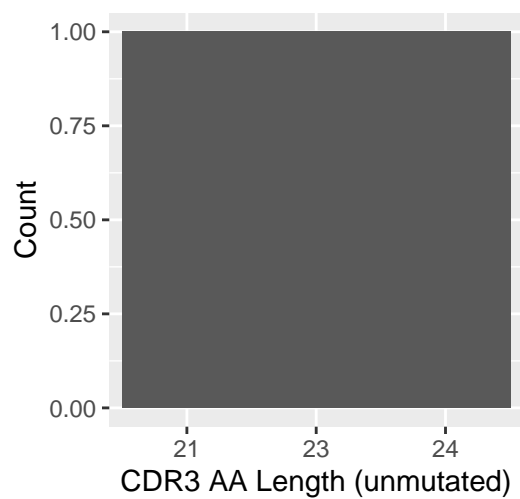
7897 sequences assigned
7791 (98.7%) exact matches, in which:
7400 unique CDR3
13 unique J



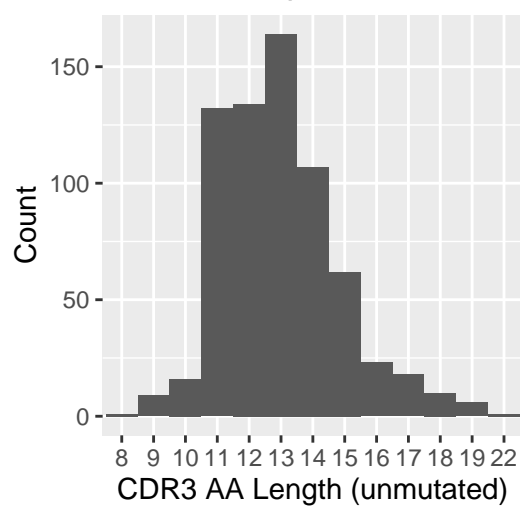
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]