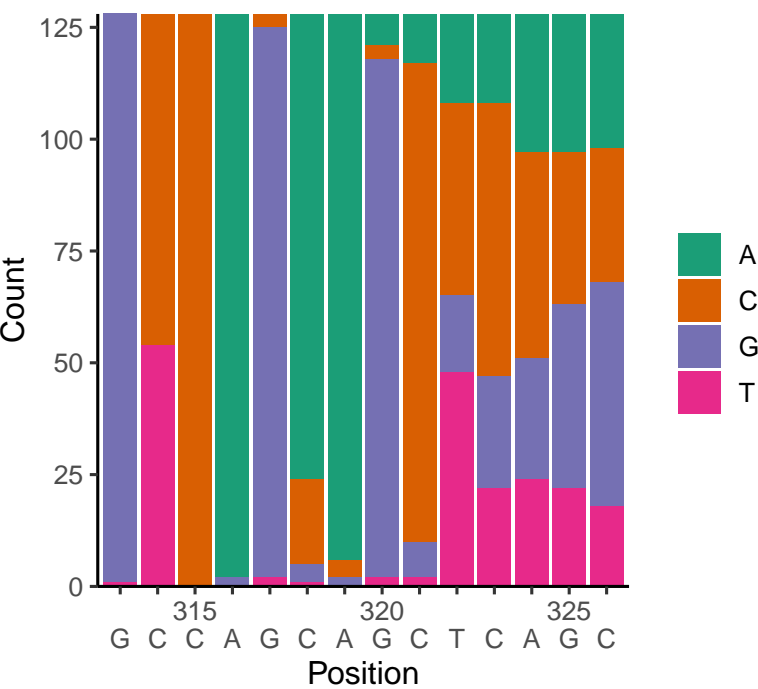
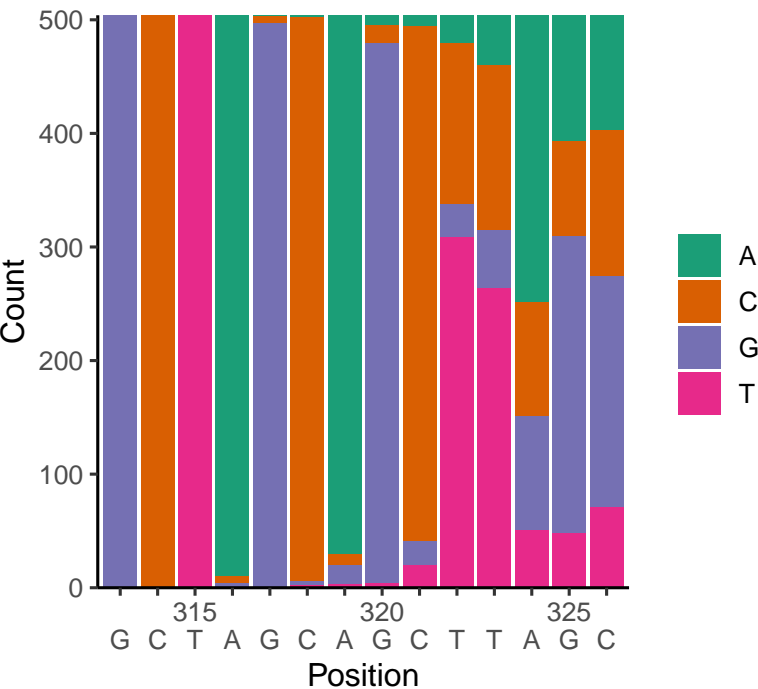


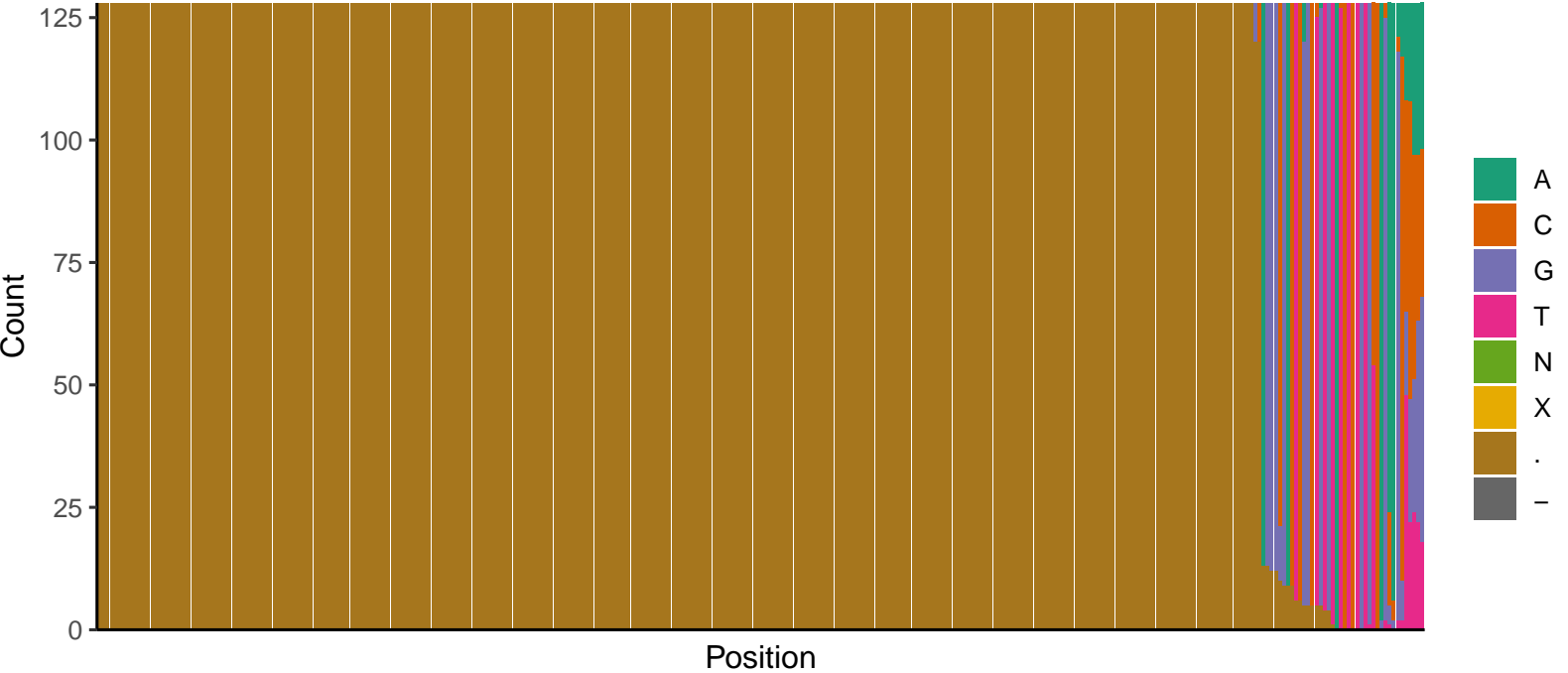
Gene TRBV7-1*ap01_T296C



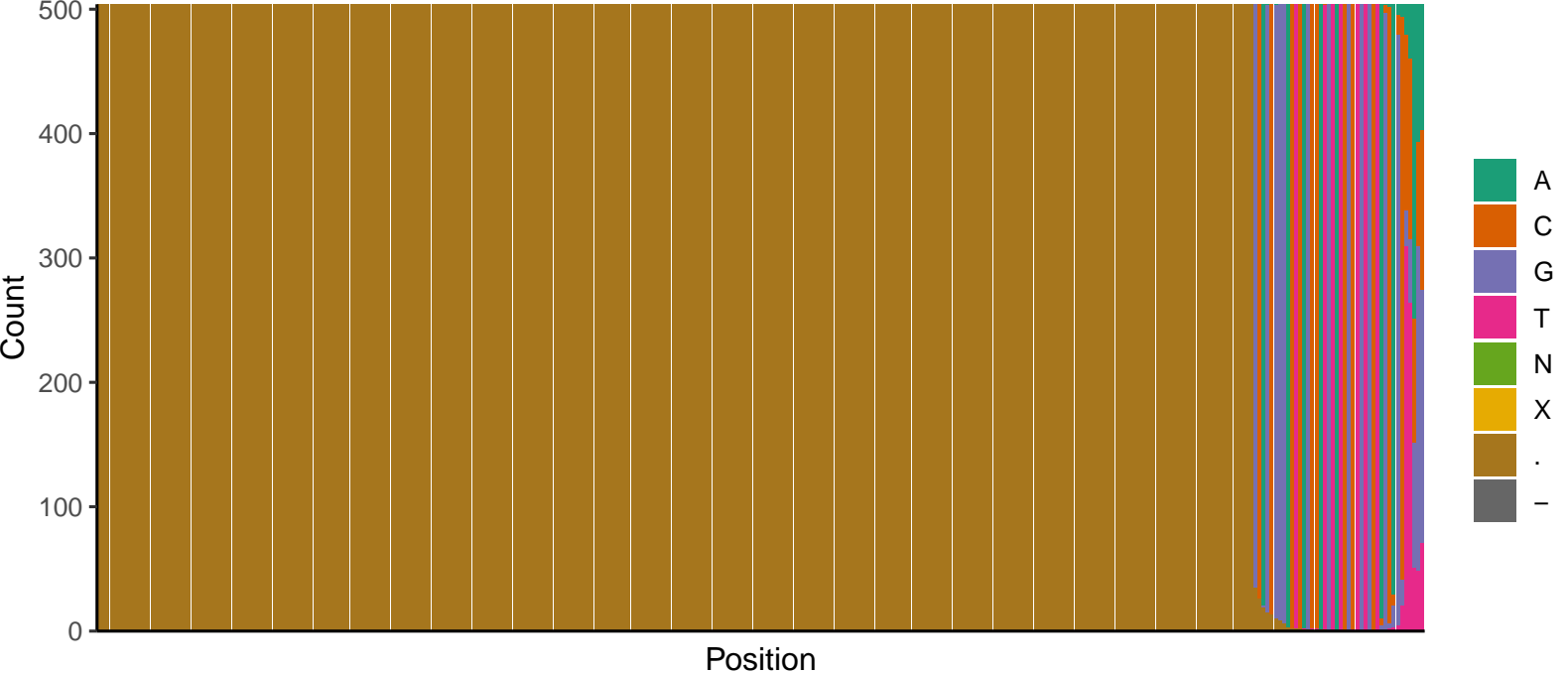
Gene TRBV7-7*ap01_C315T



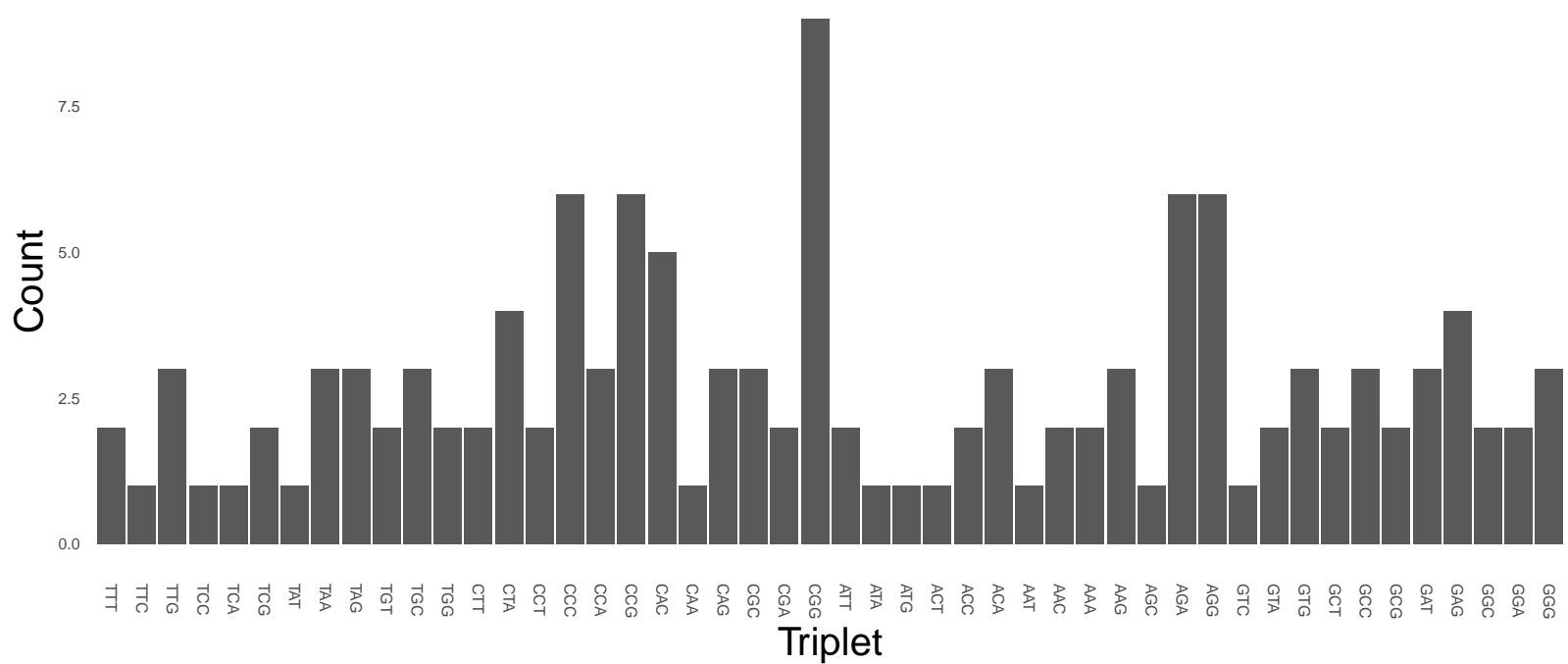
Gene TRBV7-1*ap01_T296C



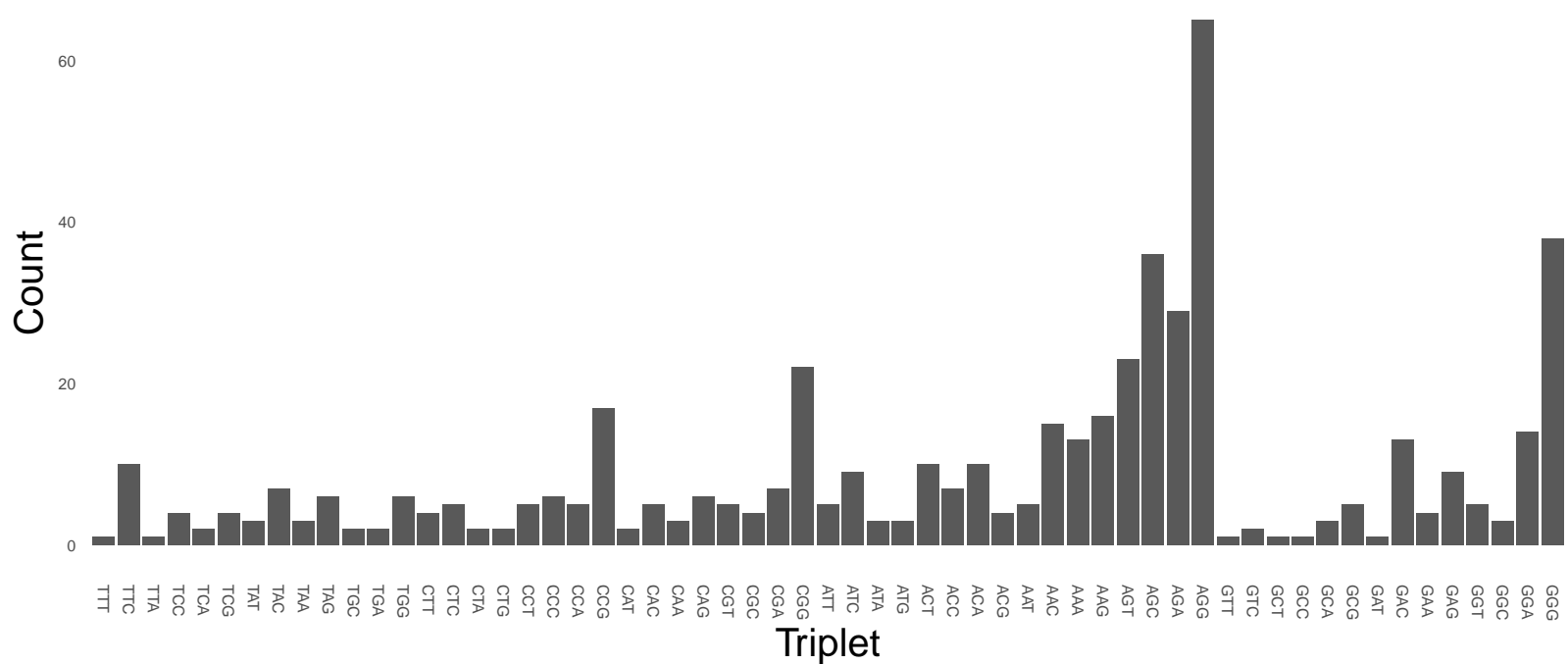
Gene TRBV7-7*ap01_C315T



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

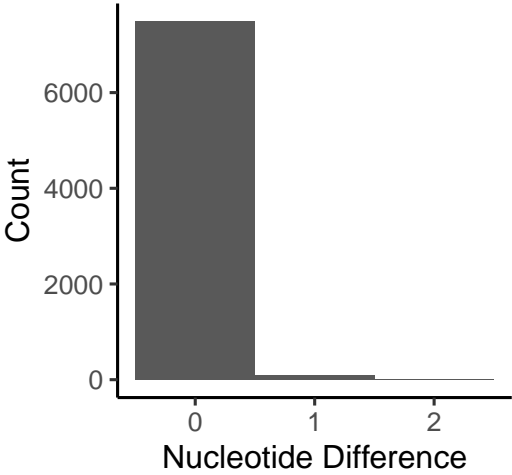


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



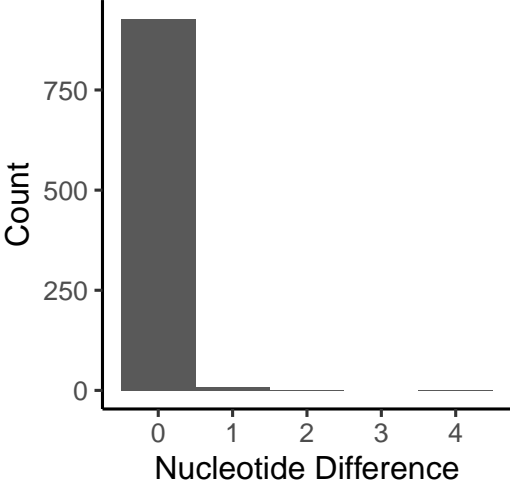
TRBV20-1*ap01

7586 sequences assigned
7488 (98.7%) exact matches, in which:
7344 unique CDR3
13 unique J



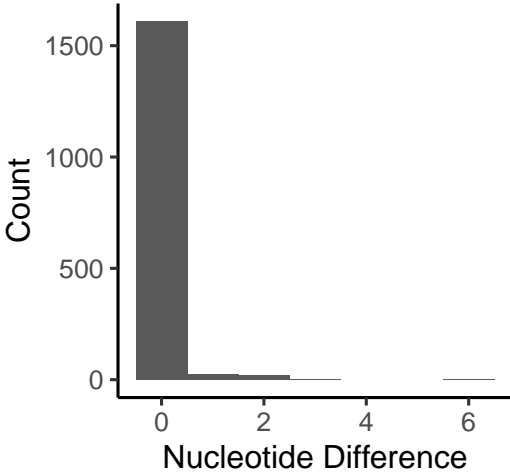
TRBV10-2*ap01

938 sequences assigned
928 (98.9%) exact matches, in which:
905 unique CDR3
13 unique J



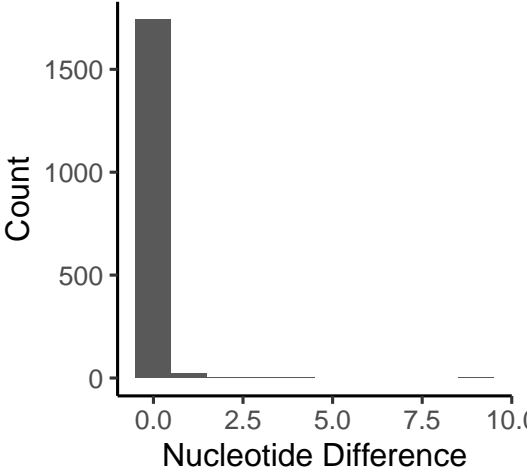
TRBV13*ap01

1655 sequences assigned
1609 (97.2%) exact matches, in which:
1565 unique CDR3
13 unique J



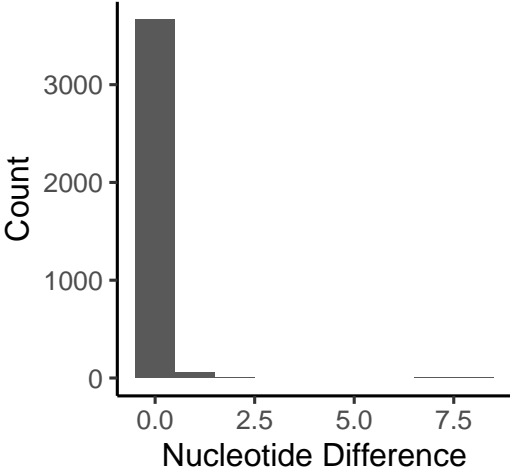
TRBV10-1*ap01

1768 sequences assigned
1741 (98.5%) exact matches, in which:
1711 unique CDR3
13 unique J



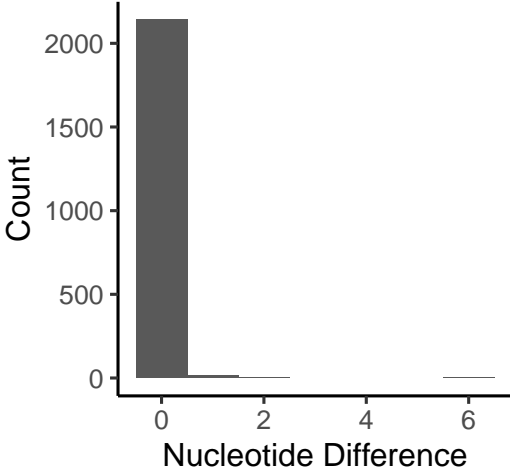
TRBV10-3*ap01

3728 sequences assigned
3664 (98.3%) exact matches, in which:
3574 unique CDR3
13 unique J



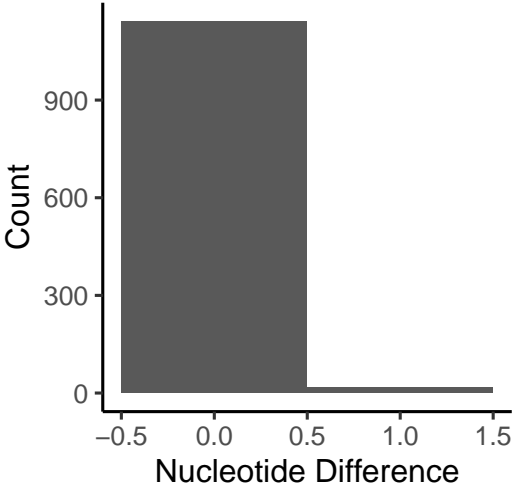
TRBV14*ap01

2161 sequences assigned
2141 (99.1%) exact matches, in which:
2097 unique CDR3
13 unique J



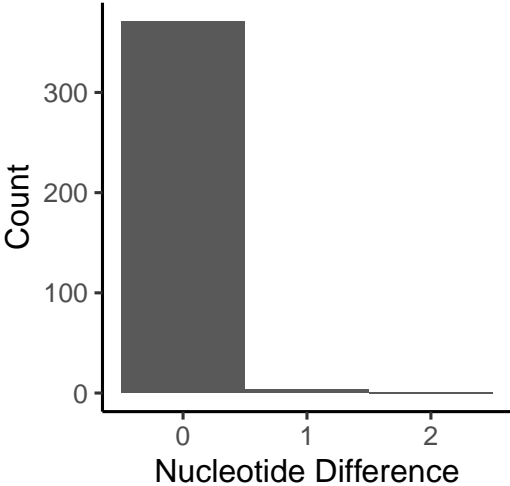
TRBV20-1*ap02

1159 sequences assigned
1142 (98.5%) exact matches, in which:
1116 unique CDR3
13 unique J



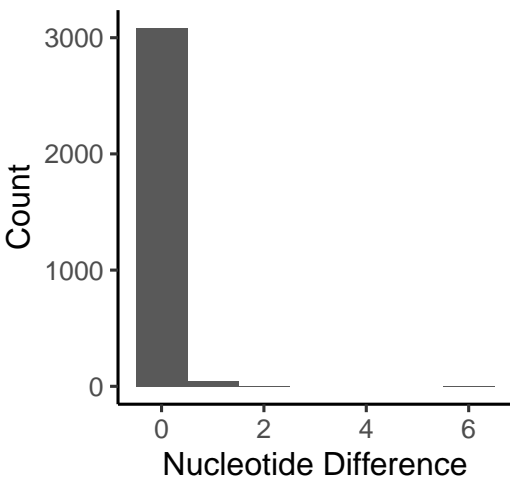
TRBV1*ap01

376 sequences assigned
371 (98.7%) exact matches, in which:
364 unique CDR3
13 unique J



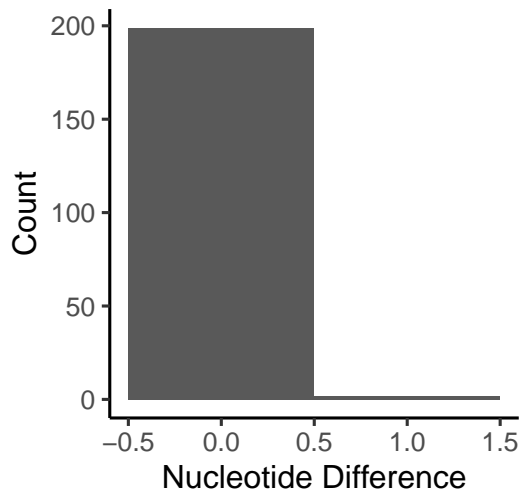
TRBV15*ap02

3132 sequences assigned
3083 (98.4%) exact matches, in which:
3001 unique CDR3
13 unique J



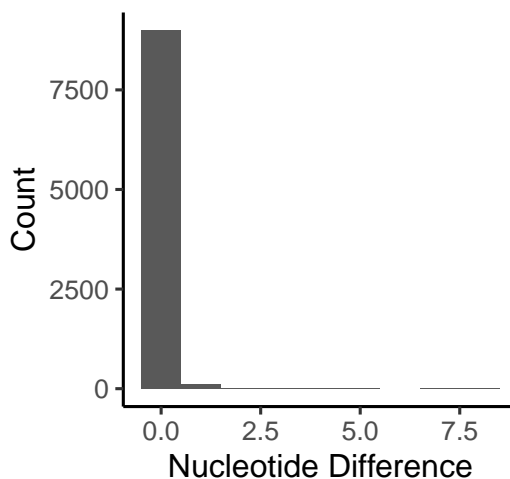
TRBV16*ap01

201 sequences assigned
199 (99%) exact matches, in which:
197 unique CDR3
13 unique J



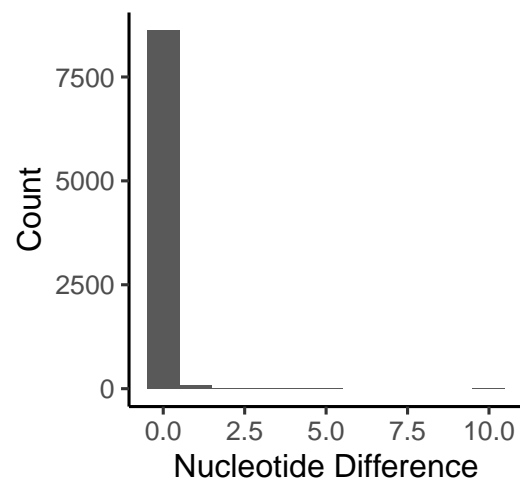
TRBV19*ap01

9108 sequences assigned
8993 (98.7%) exact matches, in which:
8869 unique CDR3
13 unique J



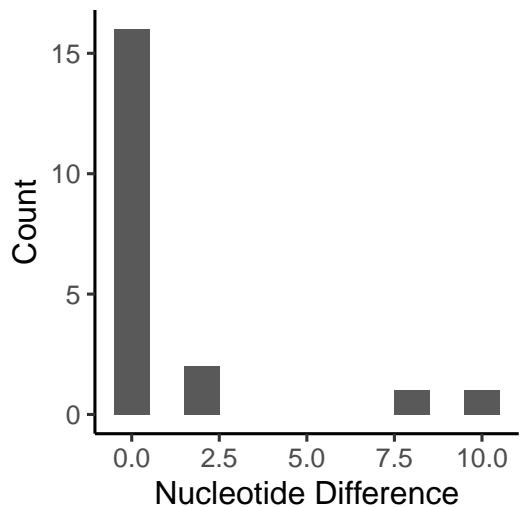
TRBV27*ap01

8717 sequences assigned
8620 (98.9%) exact matches, in which:
8429 unique CDR3
13 unique J



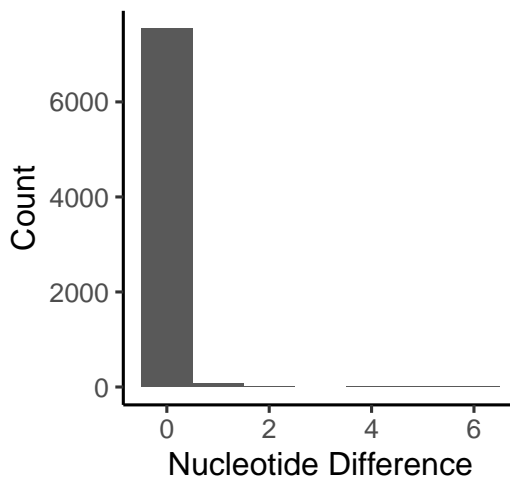
TRBV17*ap01

20 sequences assigned
16 (80%) exact matches, in which:
16 unique CDR3
9 unique J



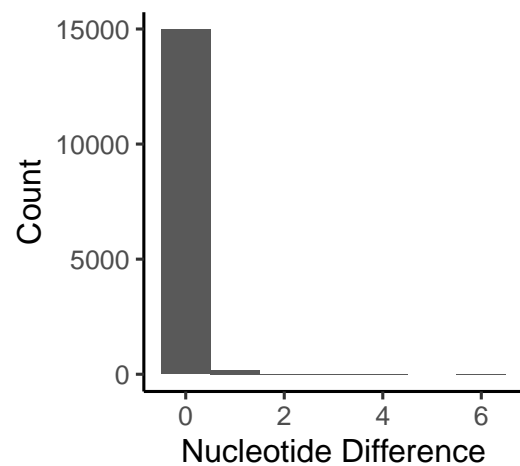
TRBV2*ap01

7617 sequences assigned
7540 (99%) exact matches, in which:
7421 unique CDR3
13 unique J



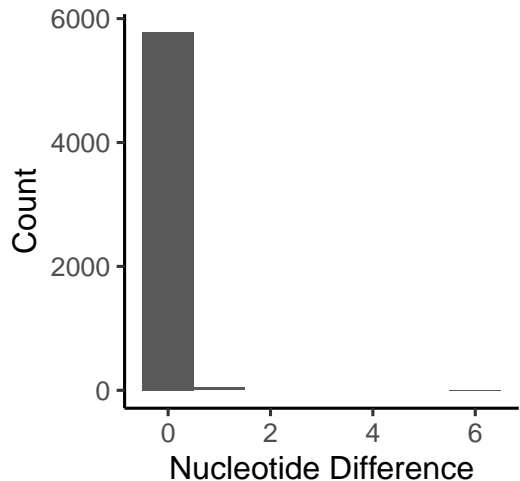
TRBV28*ap01

15168 sequences assigned
14979 (98.8%) exact matches, in which:
14662 unique CDR3
13 unique J



TRBV18*ap01

5832 sequences assigned
5783 (99.2%) exact matches, in which:
5702 unique CDR3
13 unique J



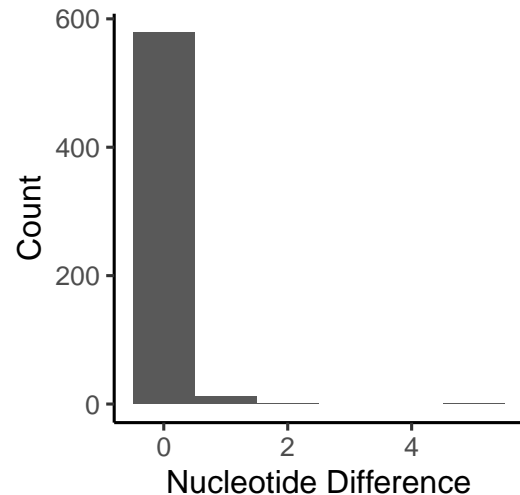
TRBV26*ap01

1 sequences assigned
No exact matches.



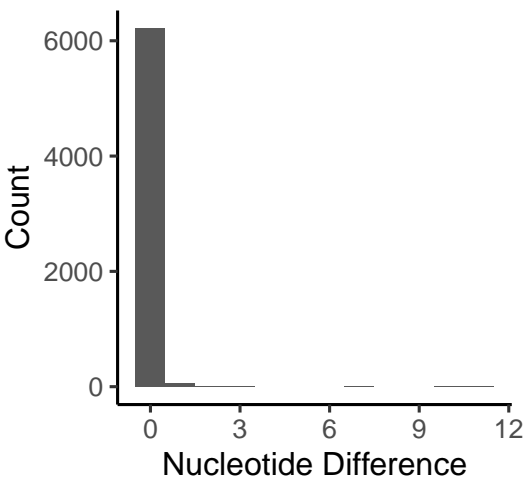
TRBV30*ap02

593 sequences assigned
579 (97.6%) exact matches, in which:
573 unique CDR3
13 unique J



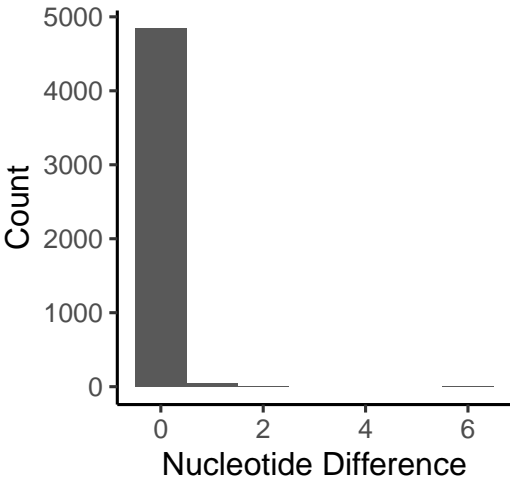
TRBV9*ap01

6291 sequences assigned
6214 (98.8%) exact matches, in which:
6112 unique CDR3
13 unique J



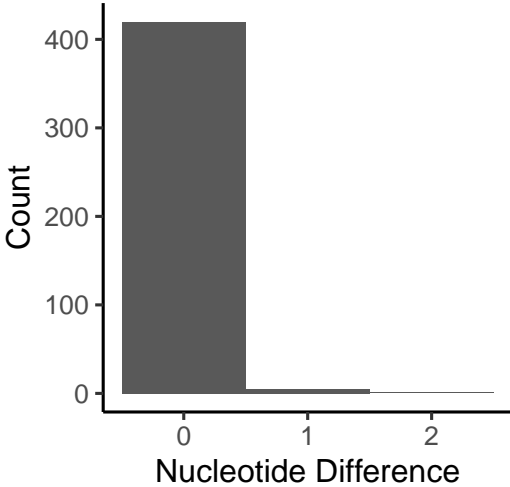
TRBV11-2*ap01

4893 sequences assigned
4843 (99%) exact matches, in which:
4739 unique CDR3
13 unique J



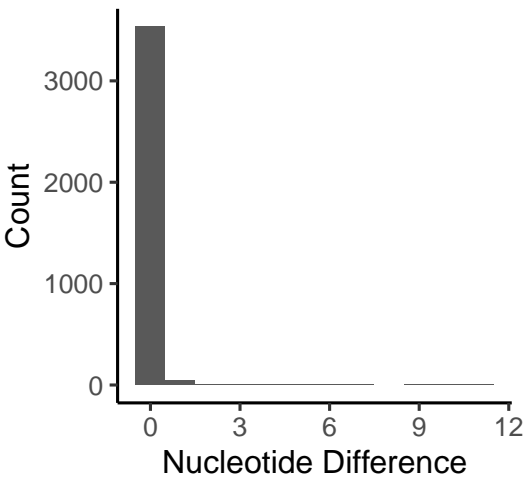
TRBV12-2*ap01

426 sequences assigned
420 (98.6%) exact matches, in which:
411 unique CDR3
13 unique J



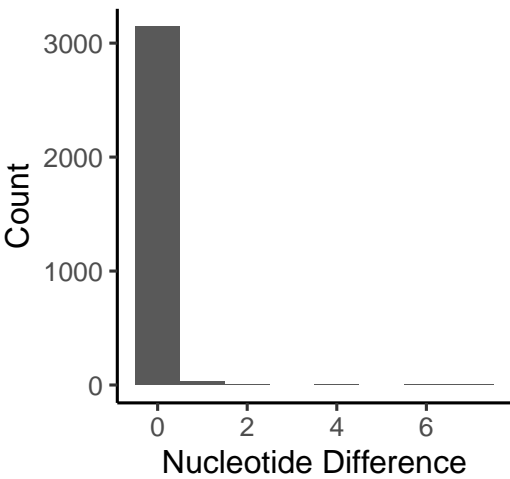
TRBV21-1*ap01

3597 sequences assigned
3534 (98.2%) exact matches, in which:
3474 unique CDR3
13 unique J



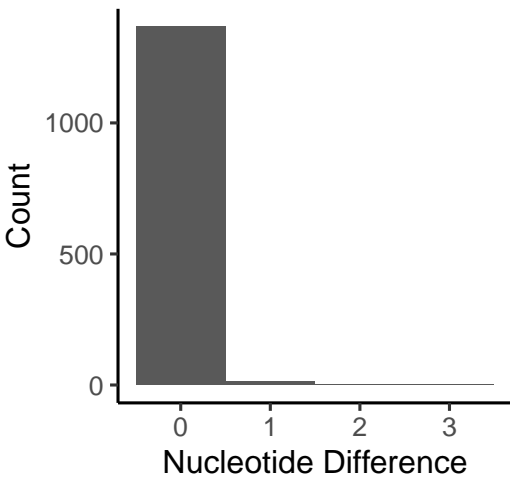
TRBV11-3*ap01

3185 sequences assigned
3144 (98.7%) exact matches, in which:
3059 unique CDR3
13 unique J



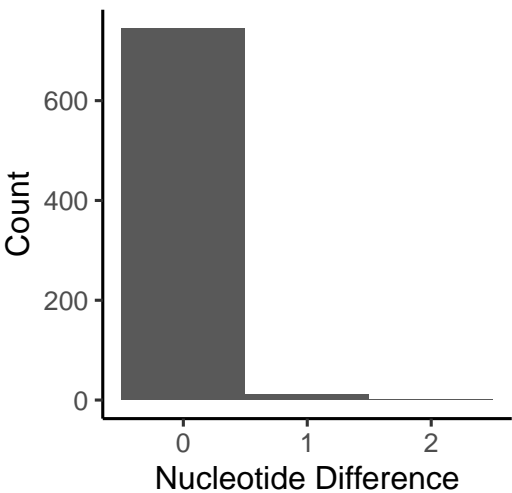
TRBV12-5*ap01

1385 sequences assigned
1367 (98.7%) exact matches, in which:
1342 unique CDR3
13 unique J



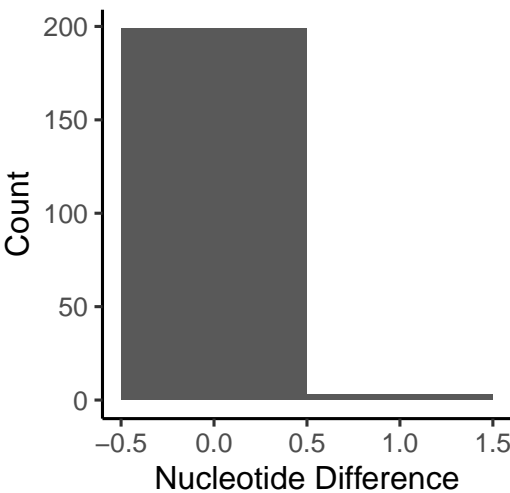
TRBV11-1*ap01

758 sequences assigned
745 (98.3%) exact matches, in which:
731 unique CDR3
13 unique J



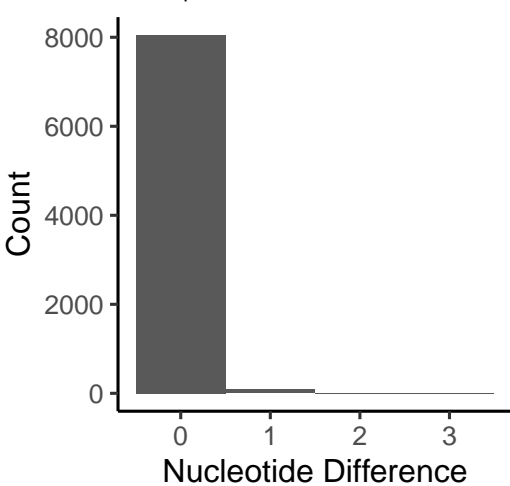
TRBV12-1*ap01

202 sequences assigned
199 (98.5%) exact matches, in which:
195 unique CDR3
13 unique J



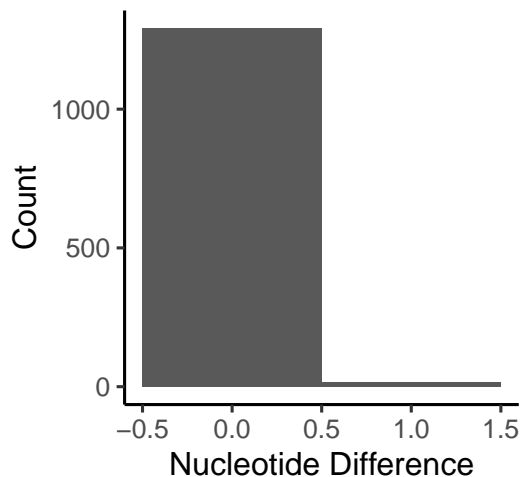
TRBV12-34*ap01

8141 sequences assigned
8050 (98.9%) exact matches, in which:
7904 unique CDR3
13 unique J



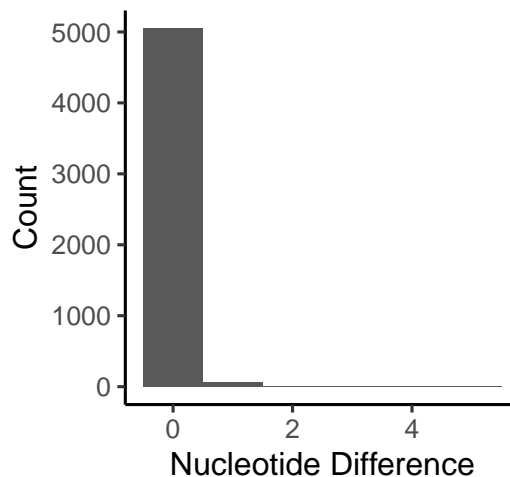
TRBV23-1*ap01

1306 sequences assigned
1291 (98.9%) exact matches, in which:
1261 unique CDR3
13 unique J



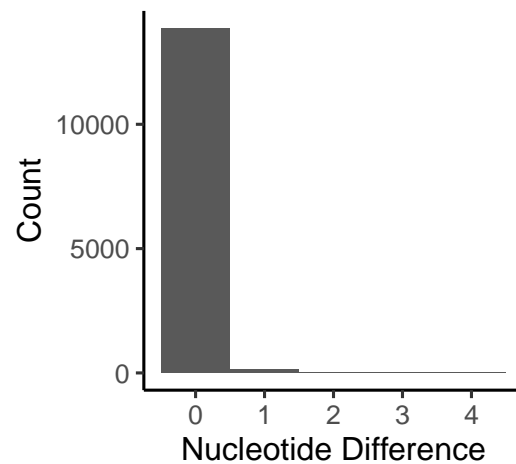
TRBV24-1*ap01

5122 sequences assigned
5050 (98.6%) exact matches, in which:
4987 unique CDR3
13 unique J



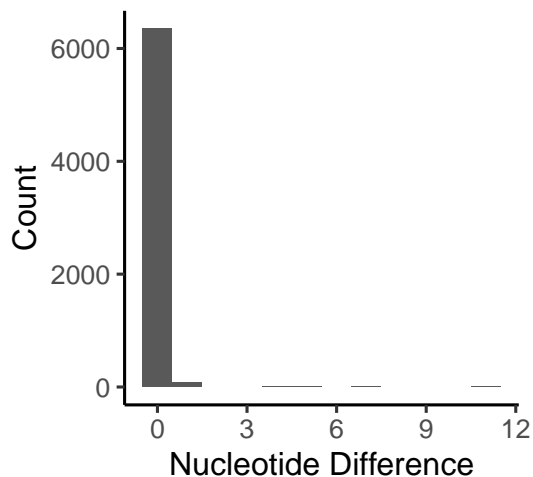
TRBV5-1*ap01

14026 sequences assigned
13867 (98.9%) exact matches, in which:
13569 unique CDR3
13 unique J



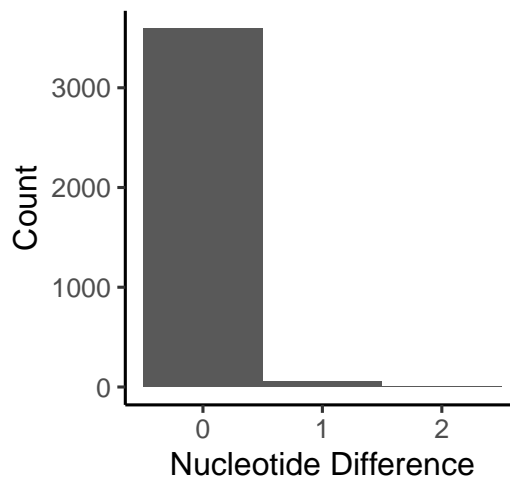
TRBV3-12*ap01

6438 sequences assigned
6350 (98.6%) exact matches, in which:
6223 unique CDR3
13 unique J



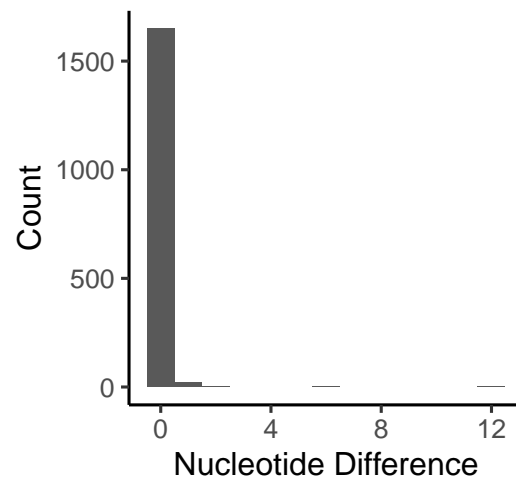
TRBV4-2*ap01

3650 sequences assigned
3592 (98.4%) exact matches, in which:
3532 unique CDR3
13 unique J



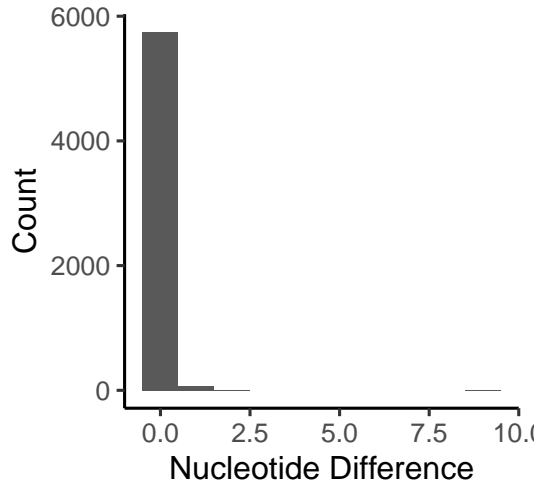
TRBV25-1*ap01

1676 sequences assigned
1649 (98.4%) exact matches, in which:
1633 unique CDR3
13 unique J



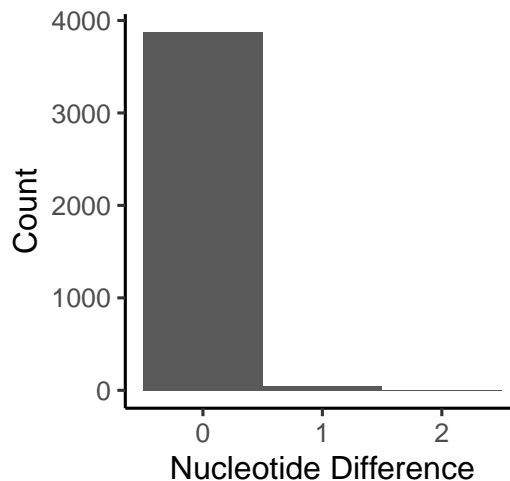
TRBV4-1*ap01

5818 sequences assigned
5746 (98.8%) exact matches, in which:
5636 unique CDR3
13 unique J



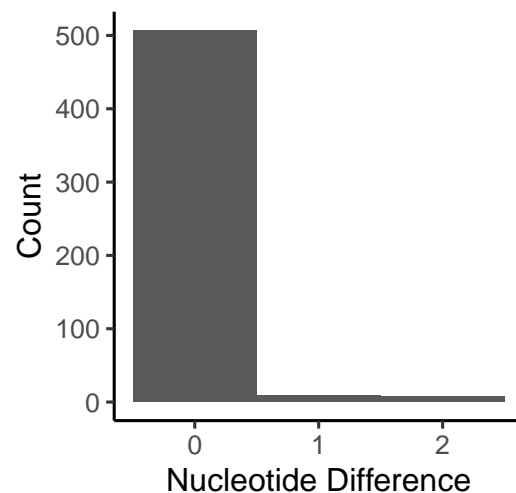
TRBV4-3*ap01

3924 sequences assigned
3875 (98.8%) exact matches, in which:
3803 unique CDR3
13 unique J



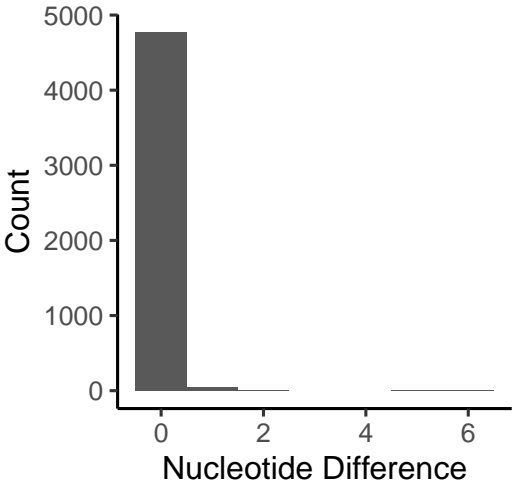
TRBV5-3*ap01

523 sequences assigned
507 (96.9%) exact matches, in which:
498 unique CDR3
13 unique J



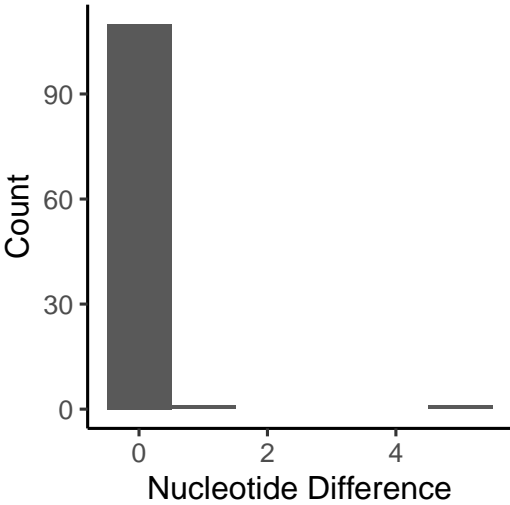
TRBV5-4*ap01

4825 sequences assigned
4769 (98.8%) exact matches, in which:
4679 unique CDR3
13 unique J



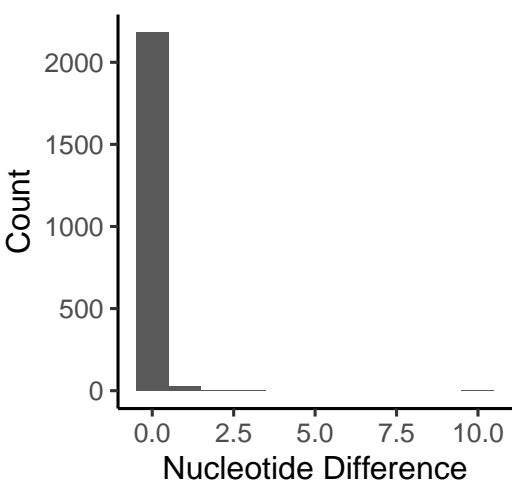
TRBV5-7*ap01

112 sequences assigned
110 (98.2%) exact matches, in which:
110 unique CDR3
13 unique J



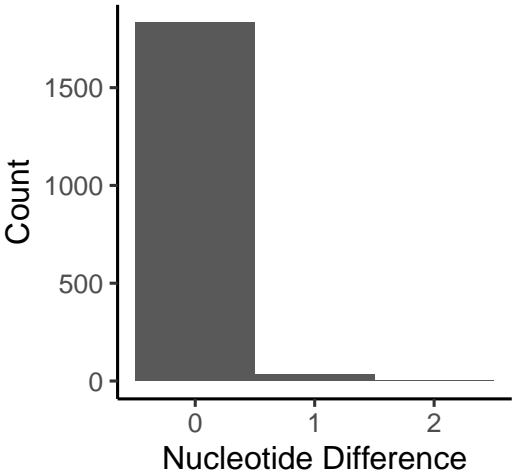
TRBV6-4*ap01

2216 sequences assigned
2182 (98.5%) exact matches, in which:
2152 unique CDR3
13 unique J



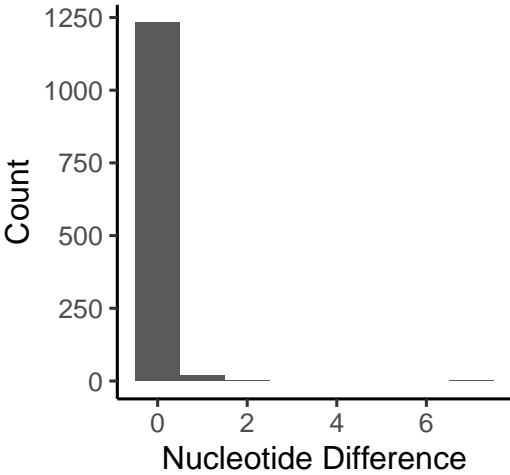
TRBV5-5*ap01

1867 sequences assigned
1832 (98.1%) exact matches, in which:
1800 unique CDR3
13 unique J



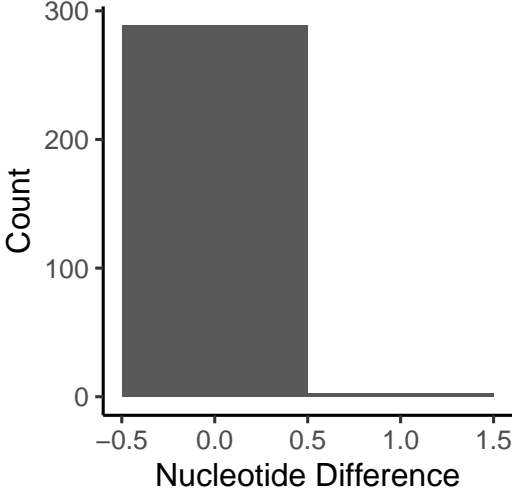
TRBV5-8*ap01

1254 sequences assigned
1232 (98.2%) exact matches, in which:
1211 unique CDR3
13 unique J



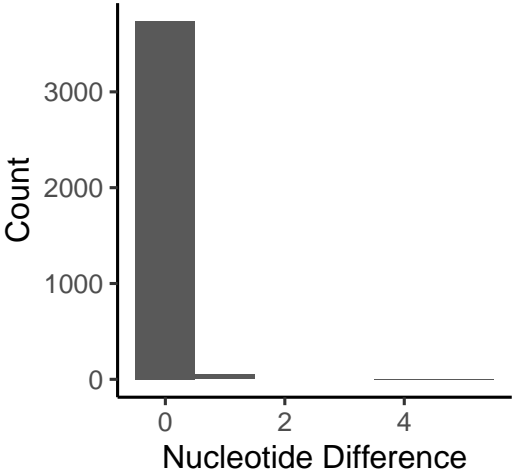
TRBV6-7*ap01

292 sequences assigned
289 (99%) exact matches, in which:
285 unique CDR3
13 unique J



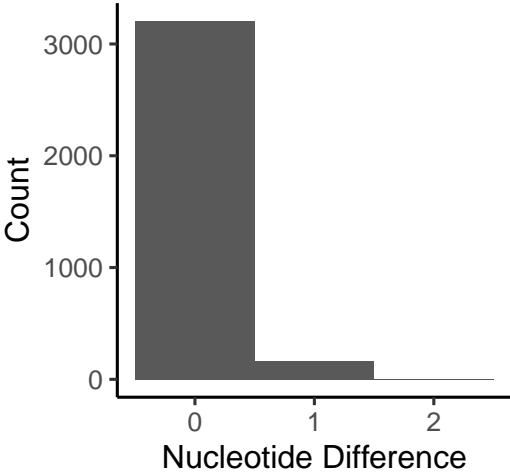
TRBV5-6*ap01

3790 sequences assigned
3739 (98.7%) exact matches, in which:
3676 unique CDR3
13 unique J



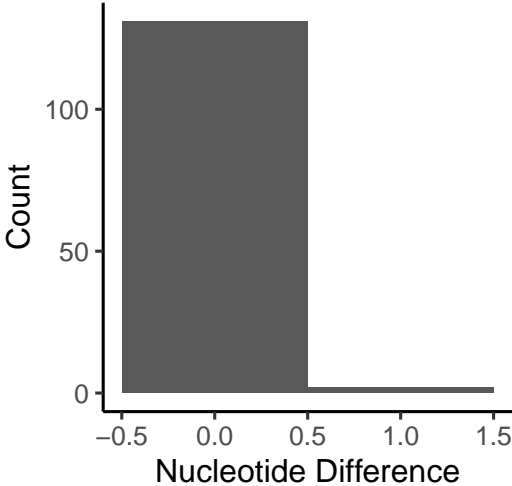
TRBV6-1*ap01

3370 sequences assigned
3205 (95.1%) exact matches, in which:
3142 unique CDR3
13 unique J



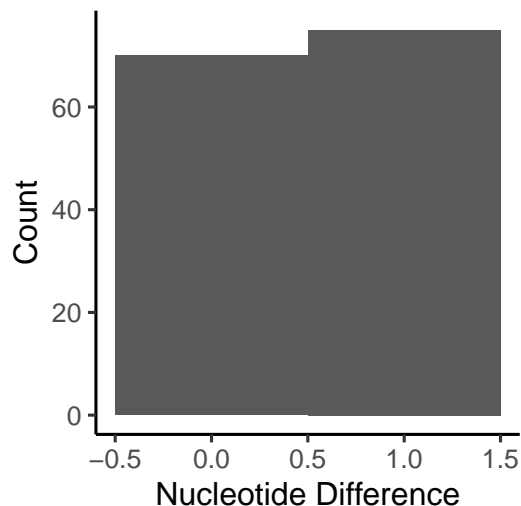
TRBV6-8*ap01

133 sequences assigned
131 (98.5%) exact matches, in which:
128 unique CDR3
13 unique J



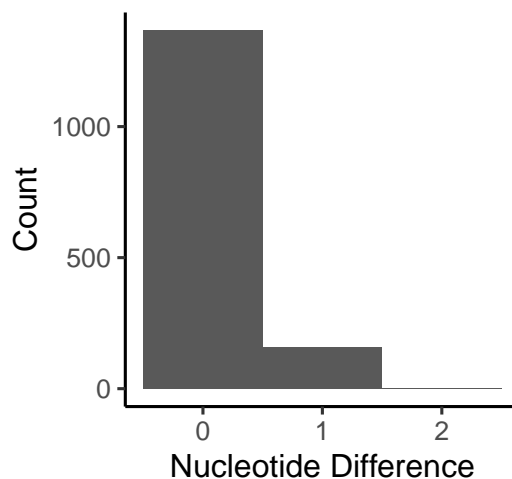
TRBV6-9*ap01

145 sequences assigned
70 (48.3%) exact matches, in which:
69 unique CDR3
13 unique J



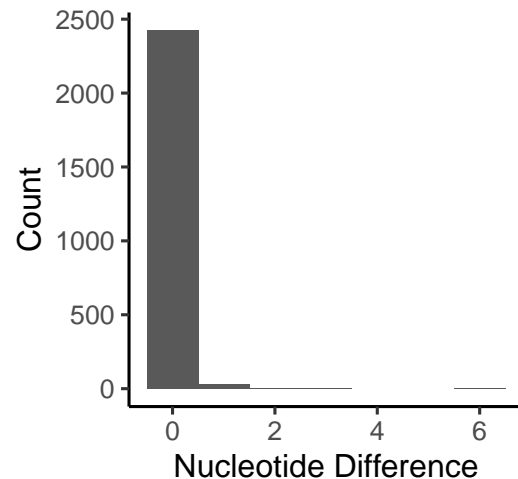
TRBV6-56*ap02

1527 sequences assigned
1367 (89.5%) exact matches, in which:
1342 unique CDR3
13 unique J



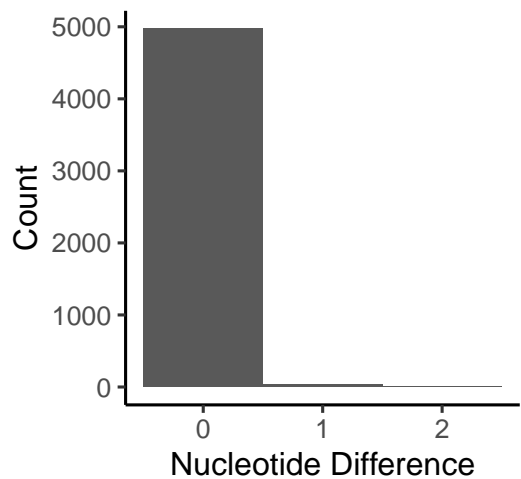
TRBV7-3*ap01

2459 sequences assigned
2424 (98.6%) exact matches, in which:
2389 unique CDR3
13 unique J



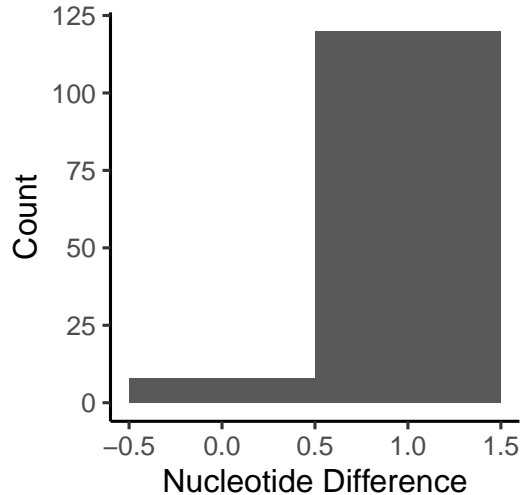
TRBV6-23*ap01

5016 sequences assigned
4973 (99.1%) exact matches, in which:
4878 unique CDR3
13 unique J



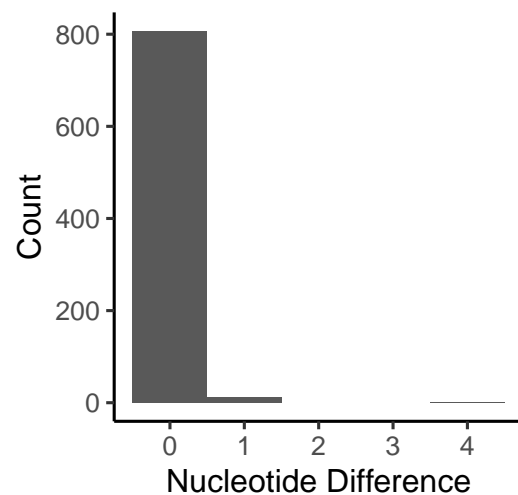
TRBV7-1*ap01_T296C

128 sequences assigned
8 (6.2%) exact matches, in which:
8 unique CDR3
6 unique J



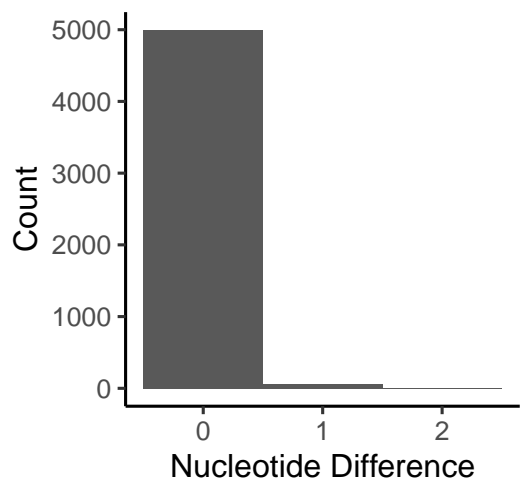
TRBV7-3*ap03

821 sequences assigned
807 (98.3%) exact matches, in which:
781 unique CDR3
13 unique J



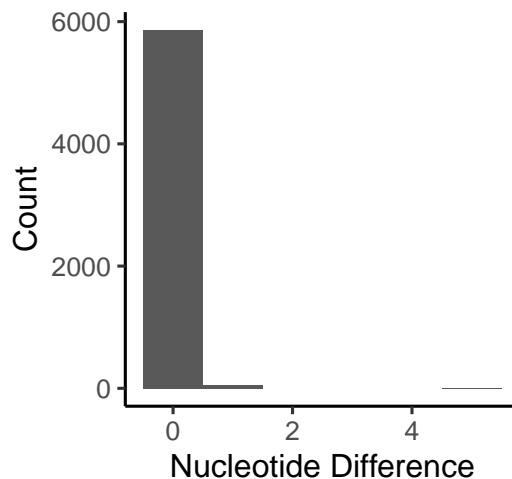
TRBV6-56*ap01

5061 sequences assigned
4995 (98.7%) exact matches, in which:
4907 unique CDR3
13 unique J



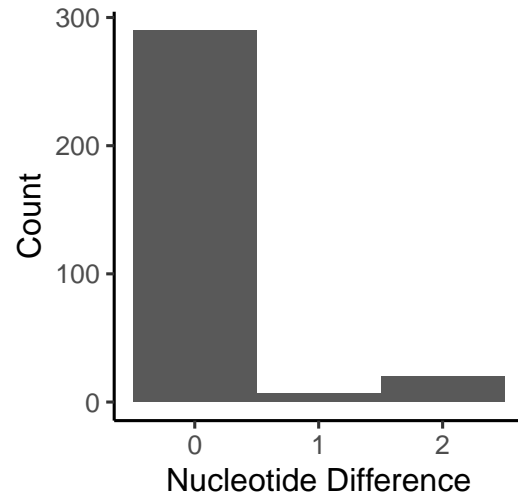
TRBV7-2*ap01

5921 sequences assigned
5862 (99%) exact matches, in which:
5763 unique CDR3
13 unique J



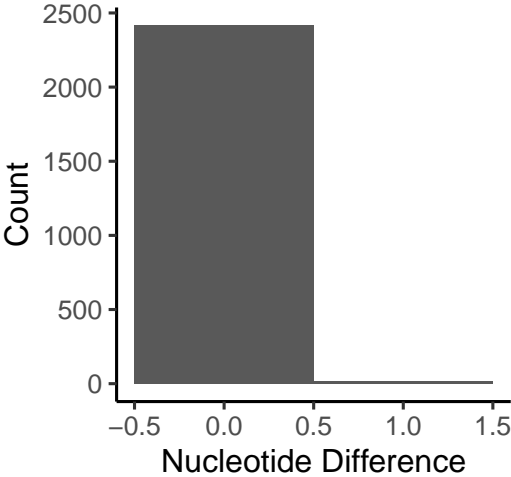
TRBV7-4*ap01

317 sequences assigned
290 (91.5%) exact matches, in which:
288 unique CDR3
13 unique J



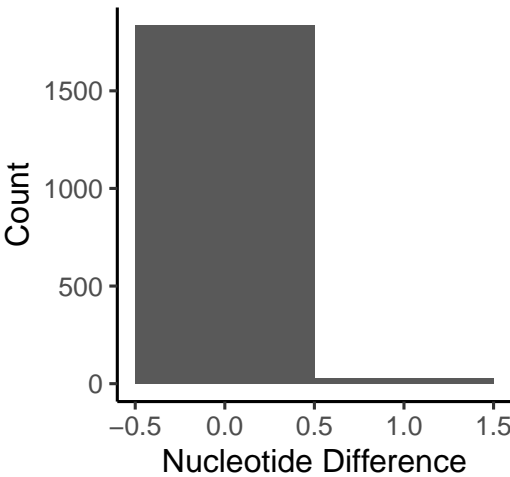
TRBV7-6*ap01

2433 sequences assigned
2416 (99.3%) exact matches, in which:
2368 unique CDR3
13 unique J



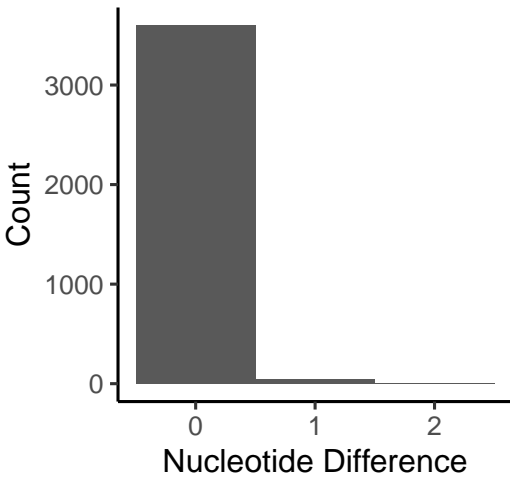
TRBV7-8*ap01

1861 sequences assigned
1835 (98.6%) exact matches, in which:
1796 unique CDR3
13 unique J



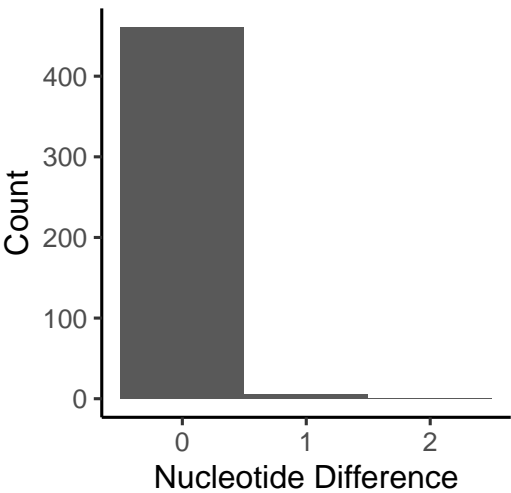
TRBV29-1*ap01

3645 sequences assigned
3599 (98.7%) exact matches, in which:
3553 unique CDR3
13 unique J



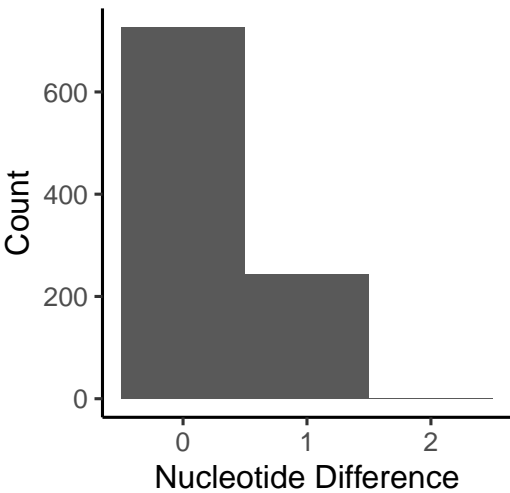
TRBV7-7*ap01

468 sequences assigned
461 (98.5%) exact matches, in which:
455 unique CDR3
13 unique J



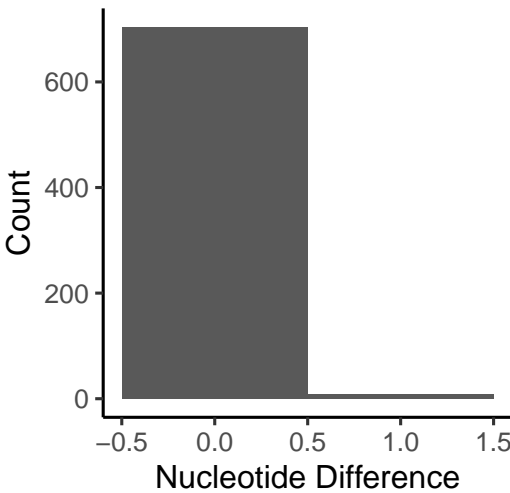
TRBV7-8*ap03

971 sequences assigned
727 (74.9%) exact matches, in which:
705 unique CDR3
13 unique J



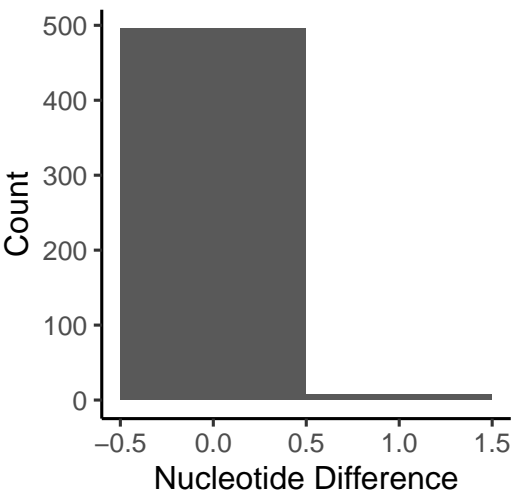
TRBV29-1*ap02

713 sequences assigned
704 (98.7%) exact matches, in which:
694 unique CDR3
13 unique J



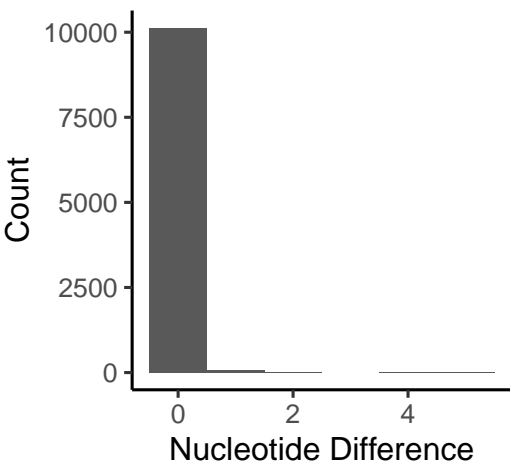
TRBV7-7*ap01_C315T

504 sequences assigned
496 (98.4%) exact matches, in which:
486 unique CDR3
13 unique J

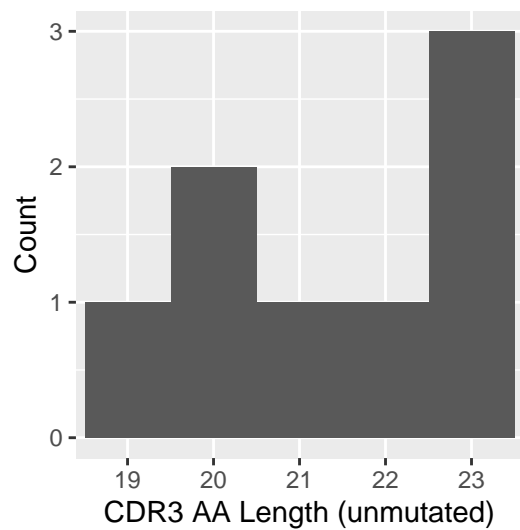


TRBV7-9*ap01

10221 sequences assigned
10130 (99.1%) exact matches, in which:
9944 unique CDR3
14 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

