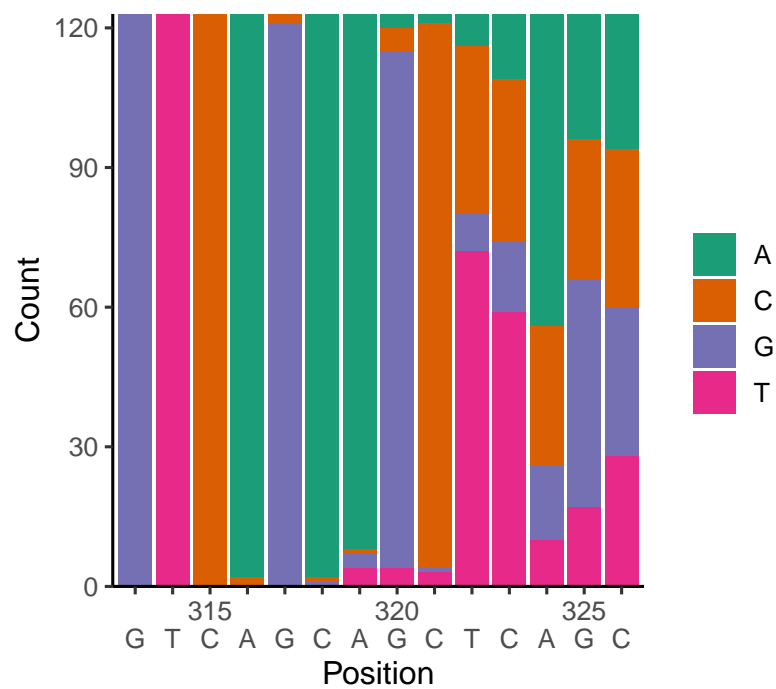
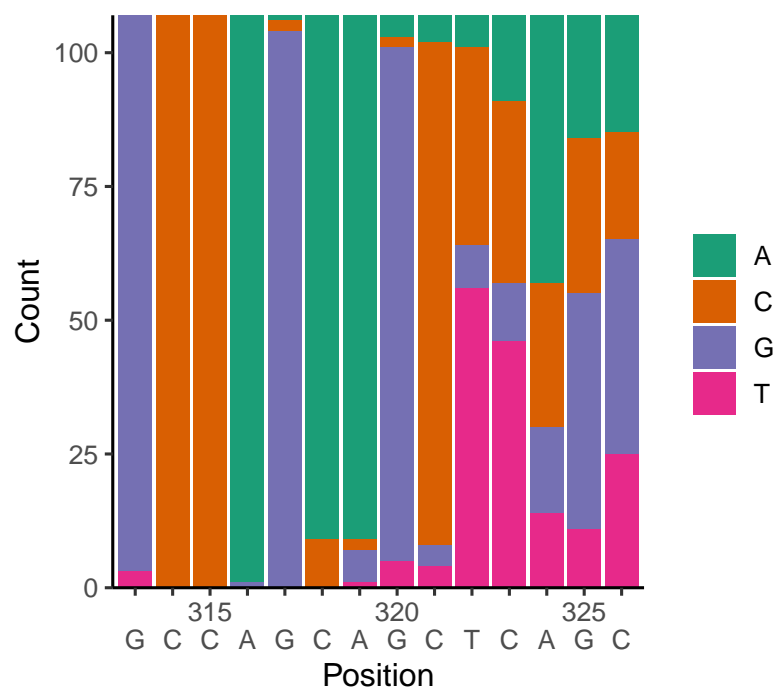


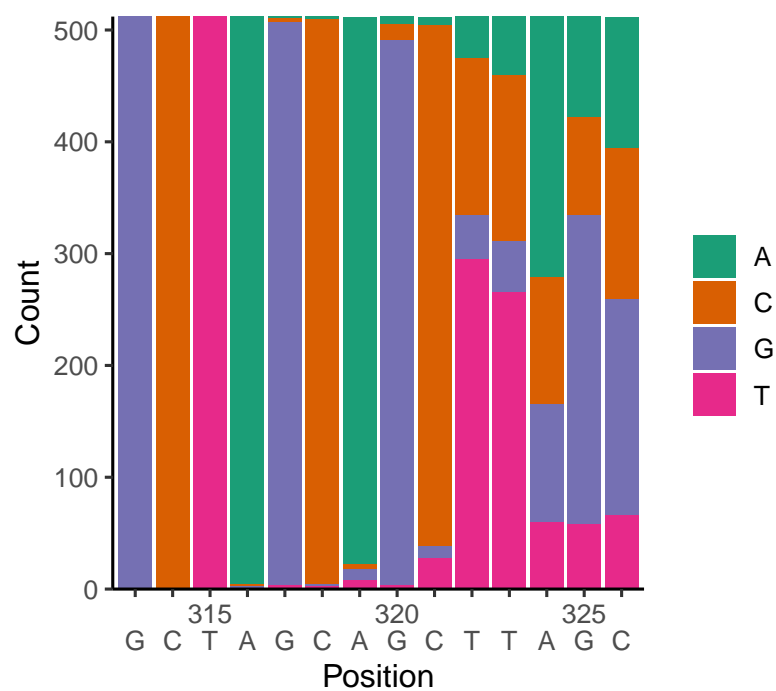
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



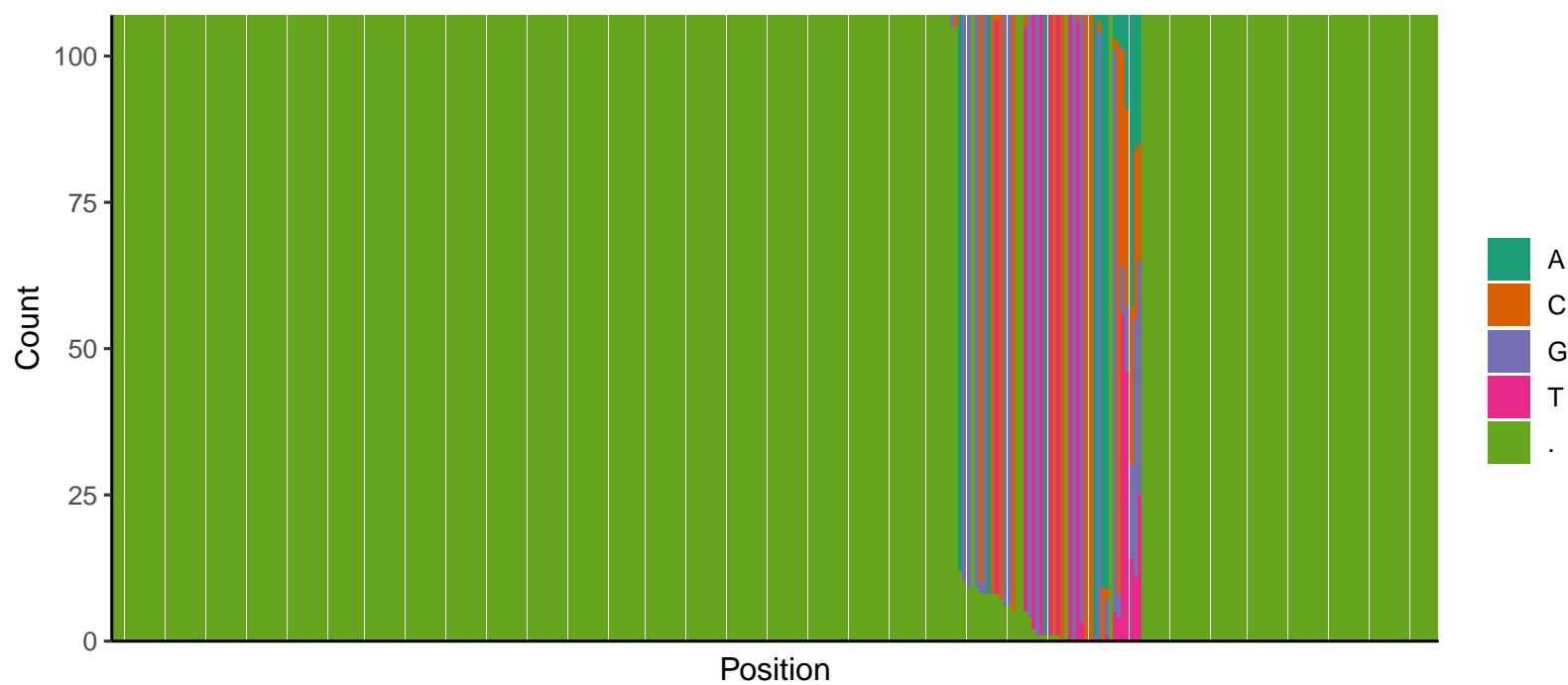
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



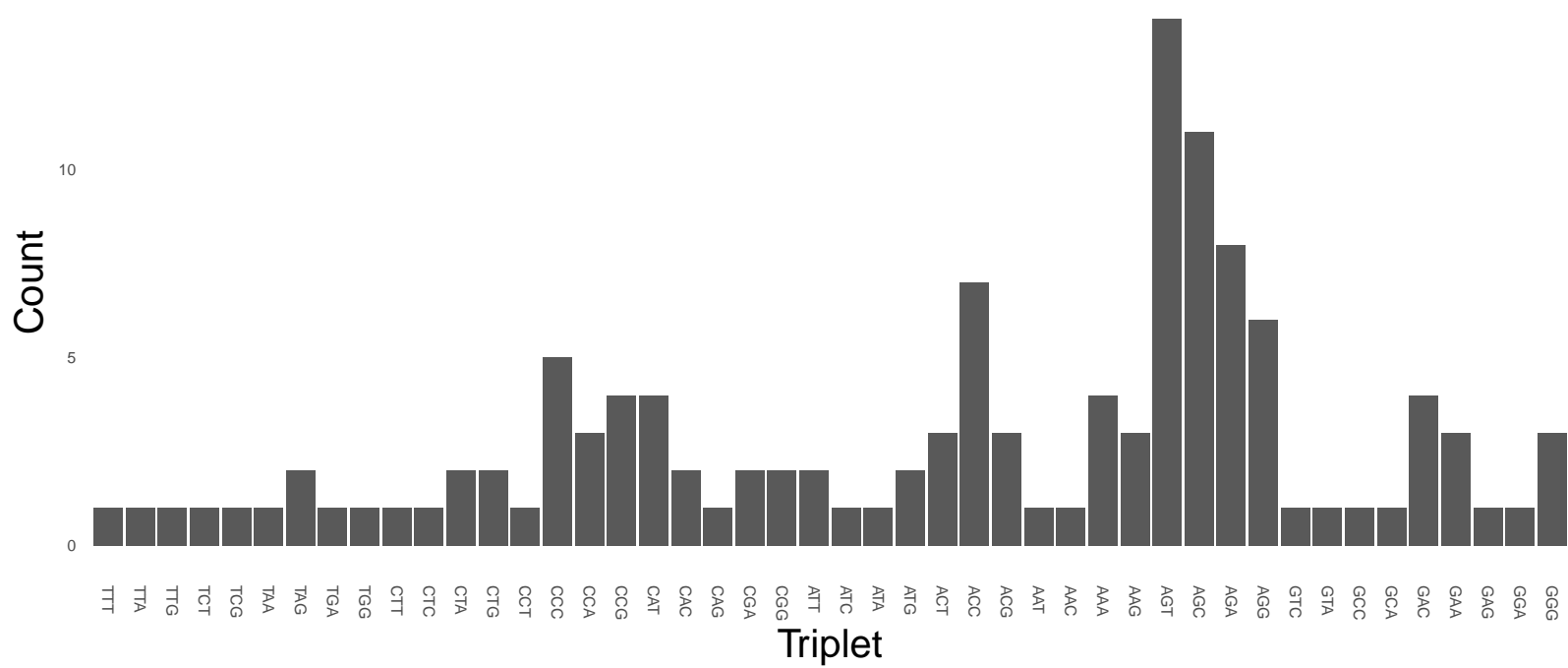
Gene TRBV7-1*ap01_G291C_T296C



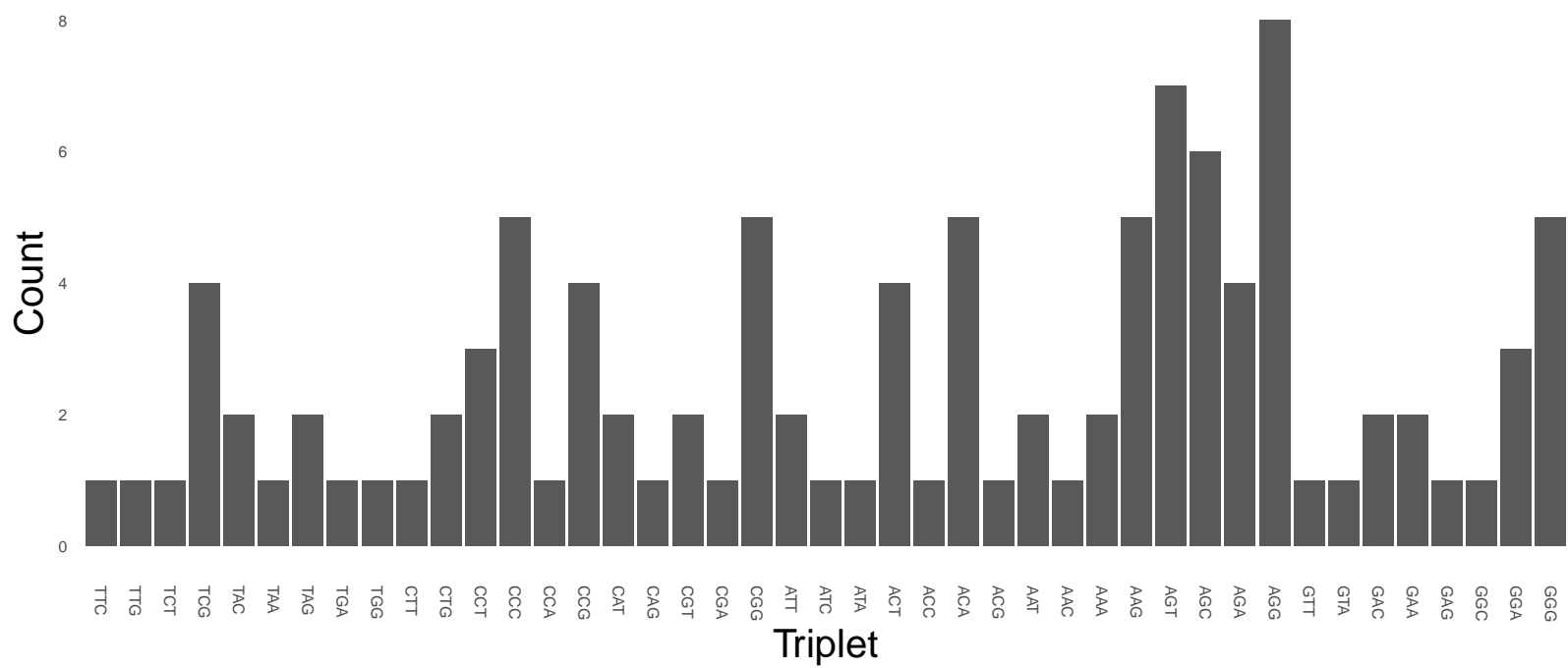
Gene TRBV7-7*ap01_C315T



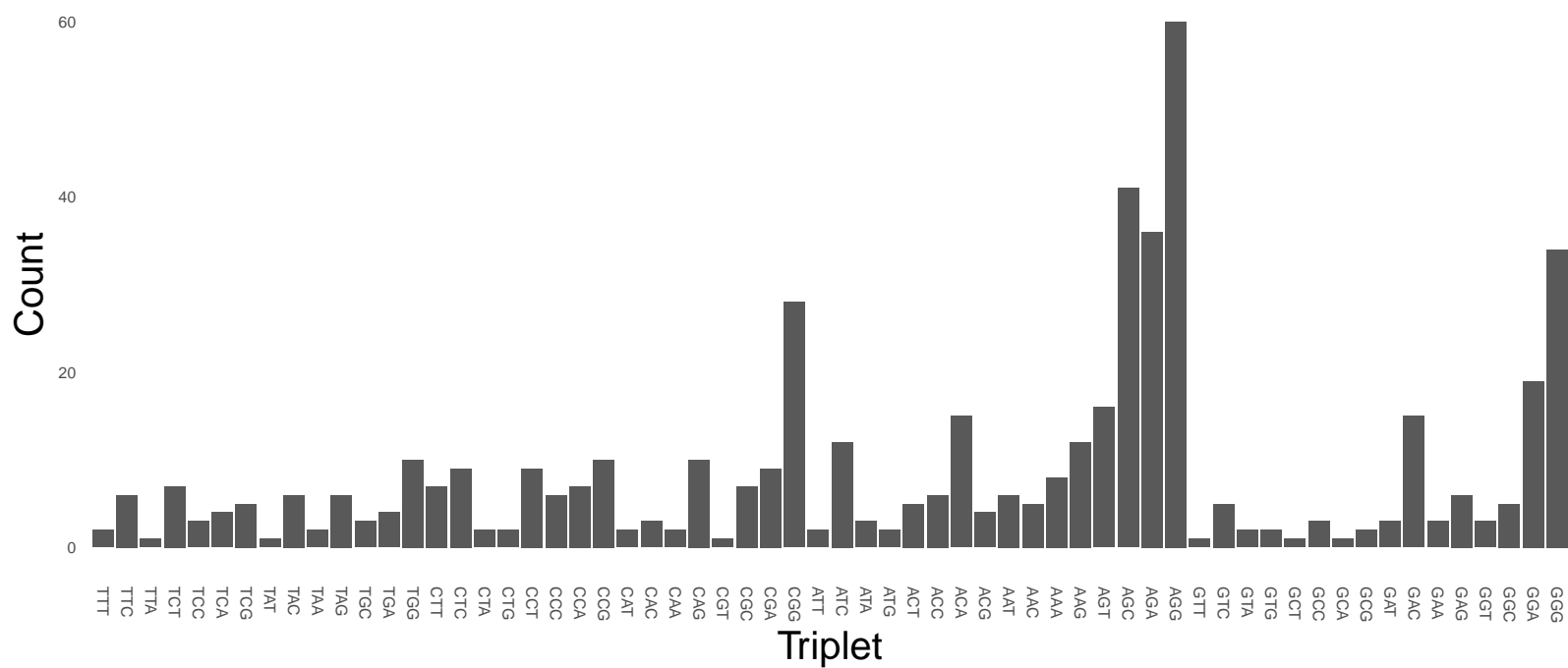
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

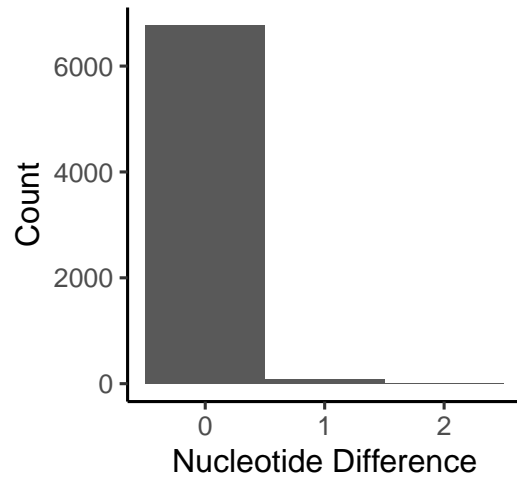


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



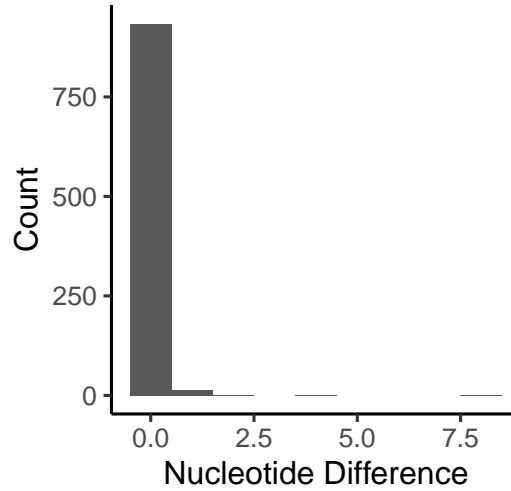
TRBV20-1*ap01

6859 sequences assigned
6768 (98.7%) exact matches, in which:
6636 unique CDR3
13 unique J



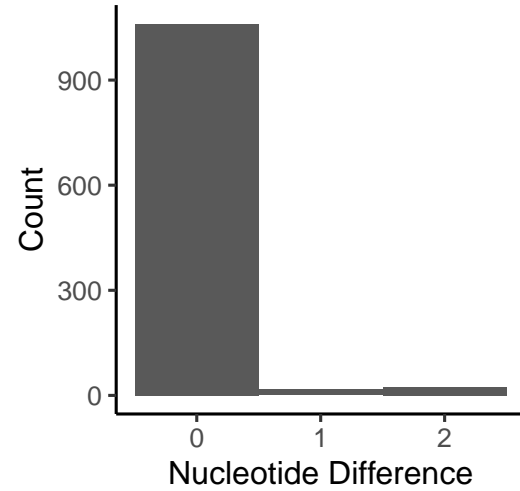
TRBV10-2*ap01

951 sequences assigned
934 (98.2%) exact matches, in which:
914 unique CDR3
13 unique J



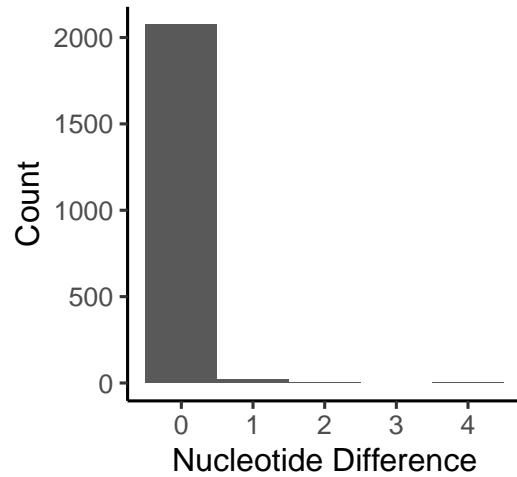
TRBV13*ap01

1101 sequences assigned
1061 (96.4%) exact matches, in which:
1033 unique CDR3
13 unique J



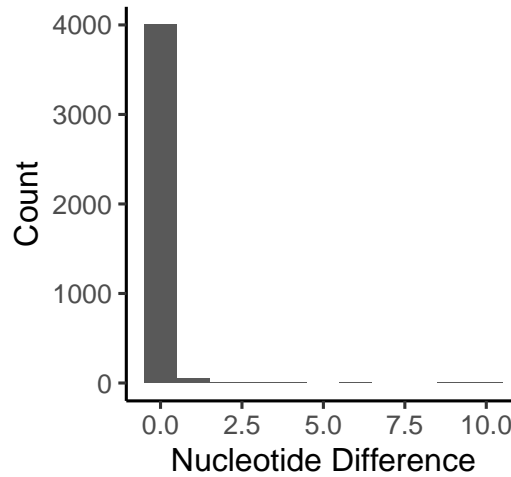
TRBV10-1*ap01

2095 sequences assigned
2074 (99%) exact matches, in which:
2018 unique CDR3
13 unique J



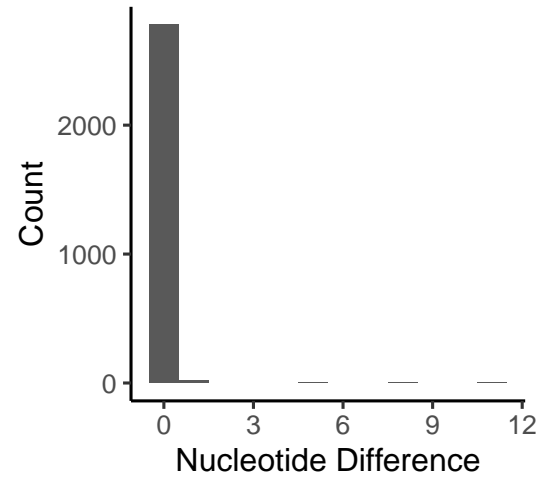
TRBV10-3*ap01

4060 sequences assigned
4002 (98.6%) exact matches, in which:
3914 unique CDR3
13 unique J



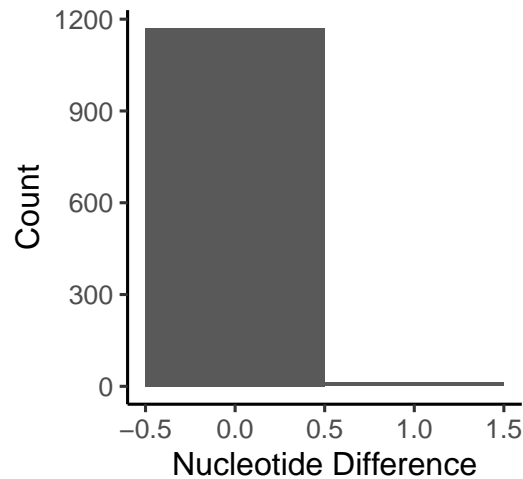
TRBV14*ap01

2804 sequences assigned
2779 (99.1%) exact matches, in which:
2720 unique CDR3
13 unique J



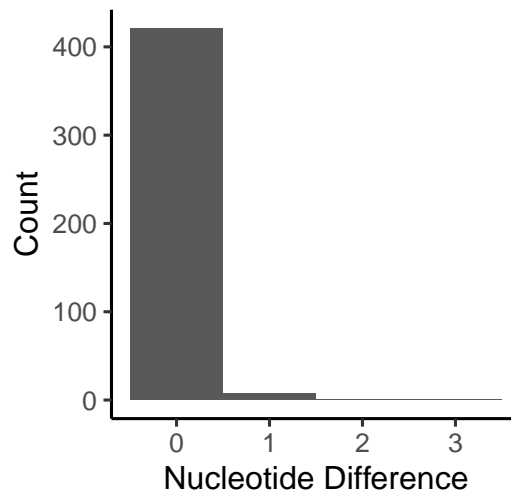
TRBV20-1*ap02

1183 sequences assigned
1171 (99%) exact matches, in which:
1143 unique CDR3
13 unique J



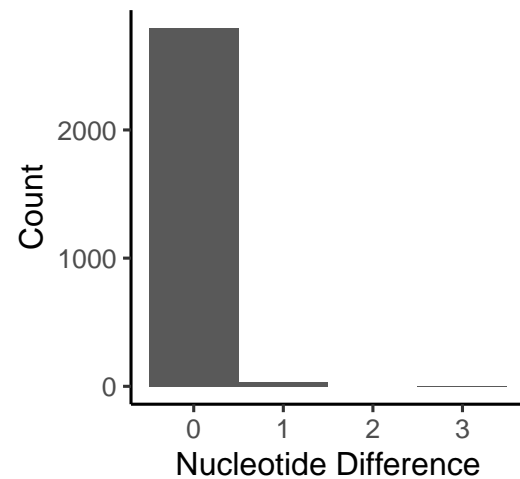
TRBV1*ap01

430 sequences assigned
421 (97.9%) exact matches, in which:
414 unique CDR3
13 unique J



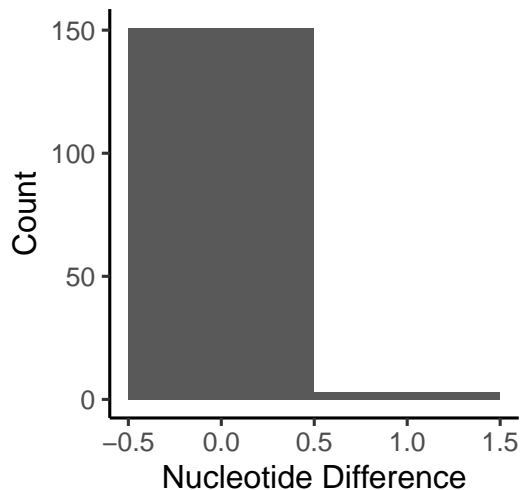
TRBV15*ap02

2830 sequences assigned
2795 (98.8%) exact matches, in which:
2732 unique CDR3
13 unique J



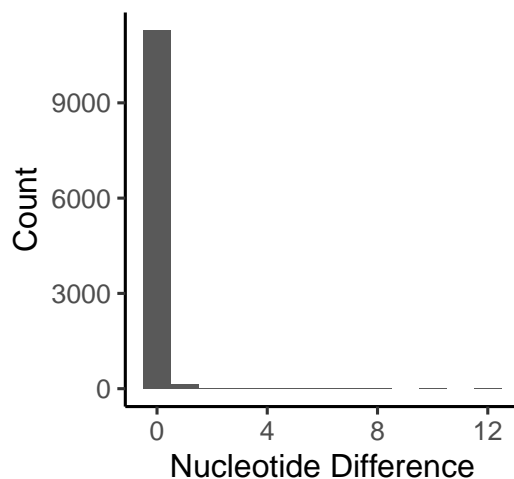
TRBV16*ap01

154 sequences assigned
151 (98.1%) exact matches, in which:
149 unique CDR3
13 unique J



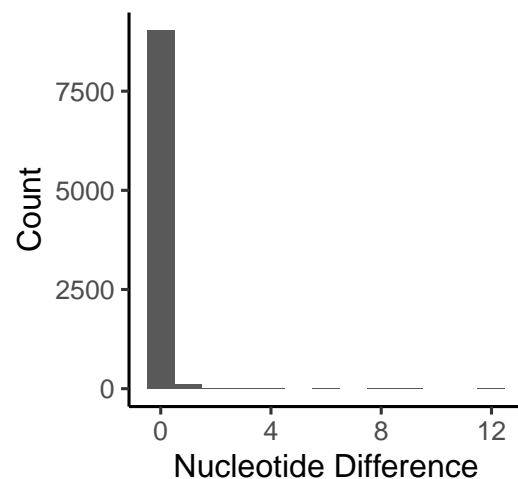
TRBV19*ap01

11452 sequences assigned
11280 (98.5%) exact matches, in which:
11075 unique CDR3
13 unique J



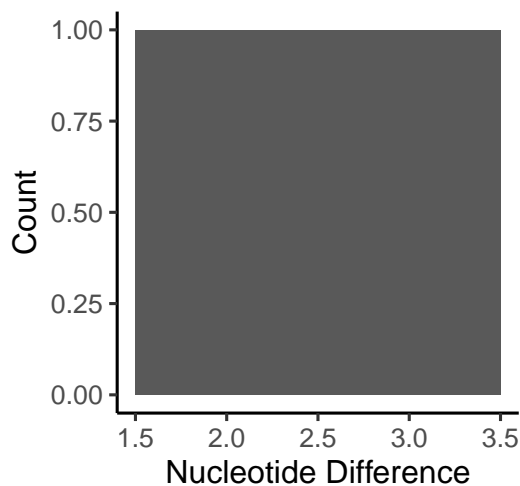
TRBV27*ap01

9168 sequences assigned
9032 (98.5%) exact matches, in which:
8814 unique CDR3
13 unique J



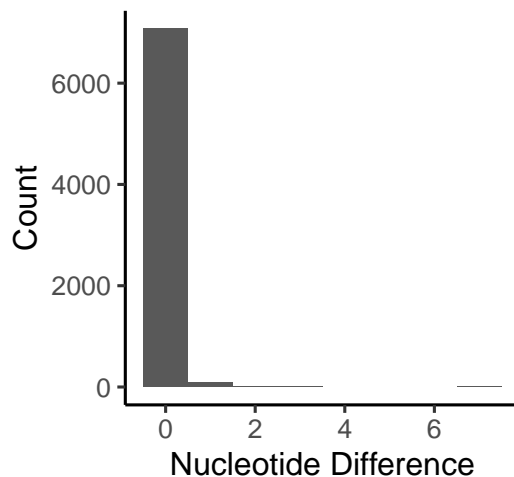
TRBV17*ap01

2 sequences assigned
No exact matches.



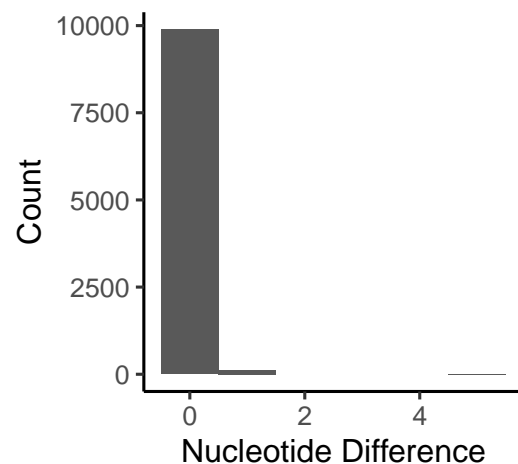
TRBV2*ap01

7174 sequences assigned
7075 (98.6%) exact matches, in which:
6964 unique CDR3
13 unique J



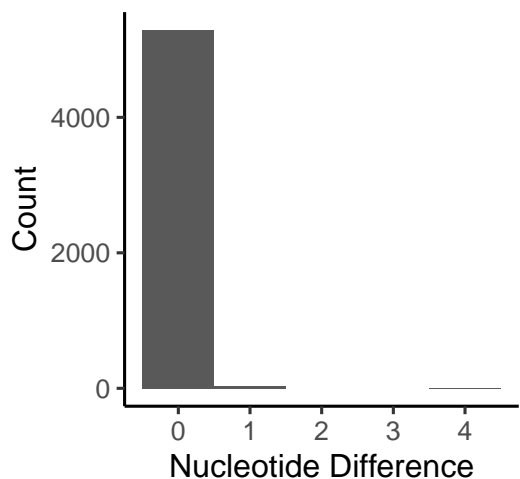
TRBV28*ap01

10010 sequences assigned
9889 (98.8%) exact matches, in which:
9653 unique CDR3
13 unique J



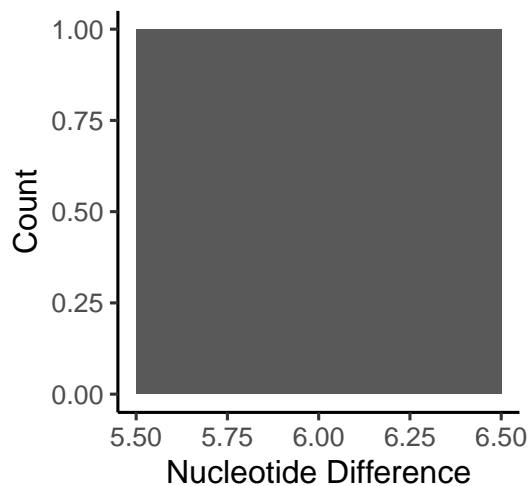
TRBV18*ap01

5329 sequences assigned
5289 (99.2%) exact matches, in which:
5192 unique CDR3
13 unique J



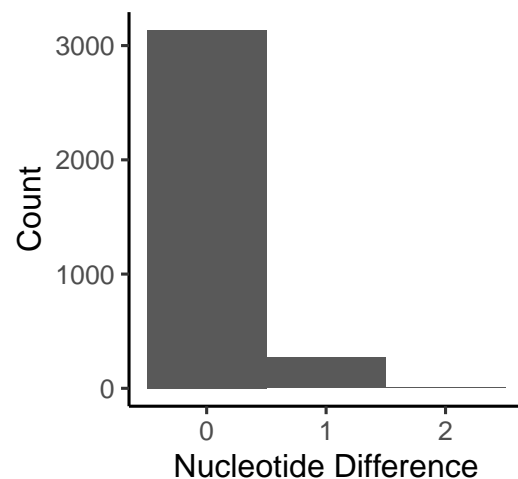
TRBV26*ap01

1 sequences assigned
No exact matches.



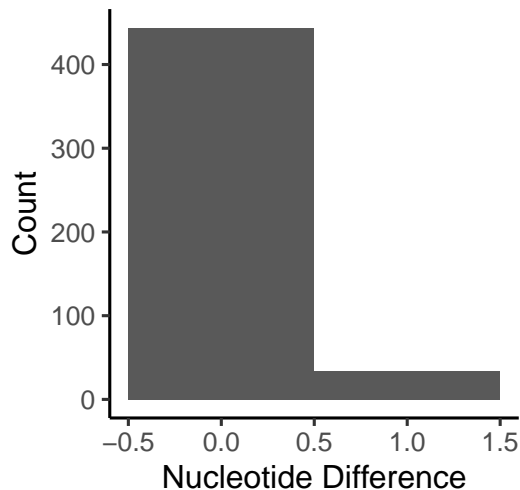
TRBV30*ap01

3413 sequences assigned
3136 (91.9%) exact matches, in which:
3102 unique CDR3
13 unique J



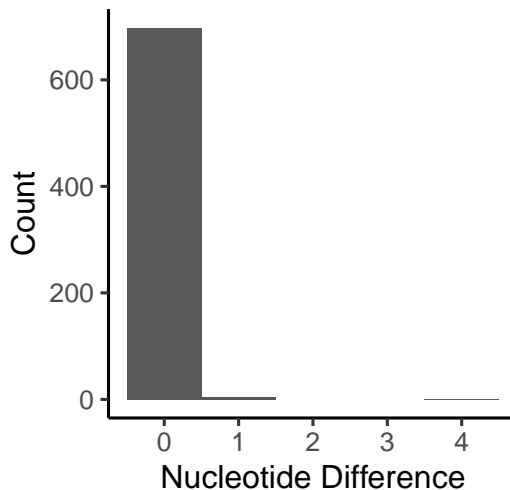
TRBV30*ap03

478 sequences assigned
444 (92.9%) exact matches, in which:
440 unique CDR3
13 unique J



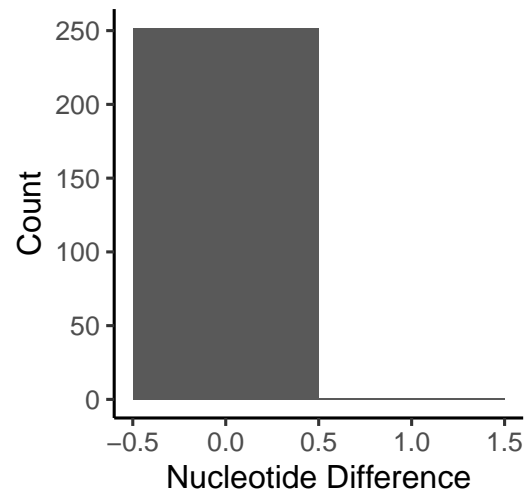
TRBV11-1*ap01

704 sequences assigned
698 (99.1%) exact matches, in which:
682 unique CDR3
13 unique J



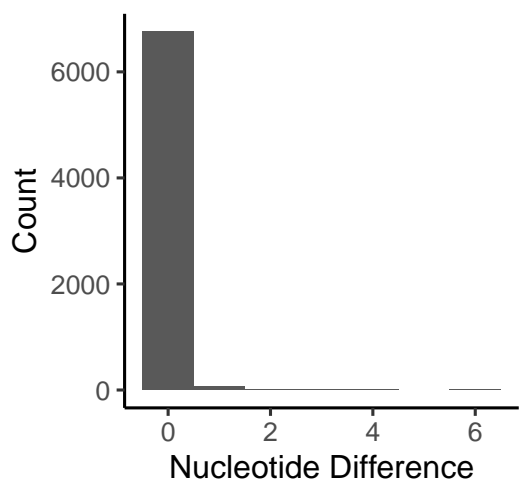
TRBV12-1*ap01

253 sequences assigned
252 (99.6%) exact matches, in which:
247 unique CDR3
13 unique J



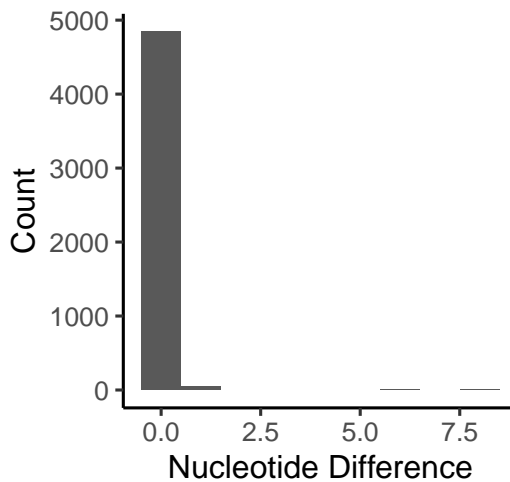
TRBV9*ap01

6828 sequences assigned
6757 (99%) exact matches, in which:
6604 unique CDR3
13 unique J



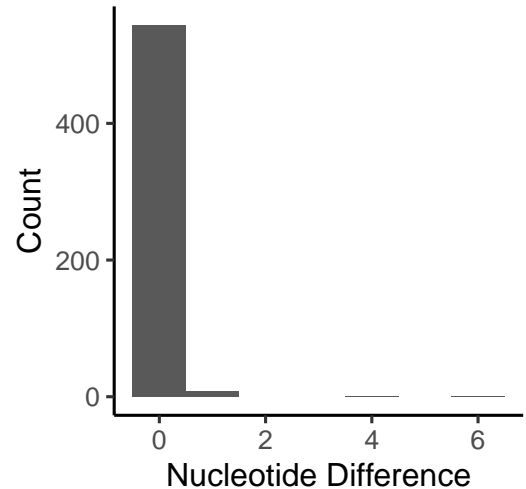
TRBV11-2*ap01

4896 sequences assigned
4843 (98.9%) exact matches, in which:
4739 unique CDR3
13 unique J



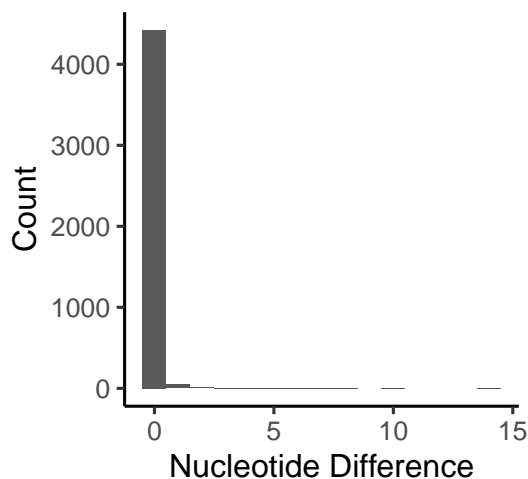
TRBV12-2*ap01

554 sequences assigned
544 (98.2%) exact matches, in which:
522 unique CDR3
13 unique J



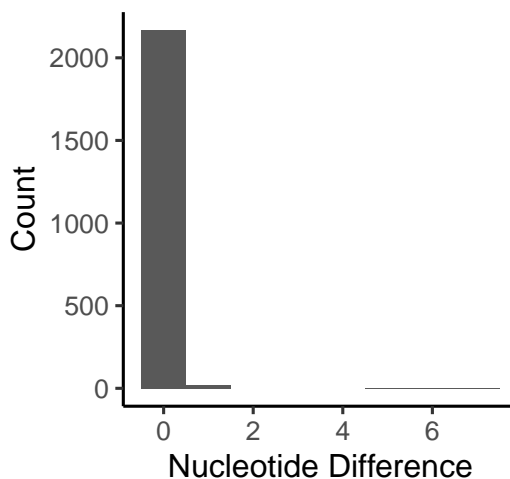
TRBV21-1*ap01

4500 sequences assigned
4423 (98.3%) exact matches, in which:
4311 unique CDR3
13 unique J



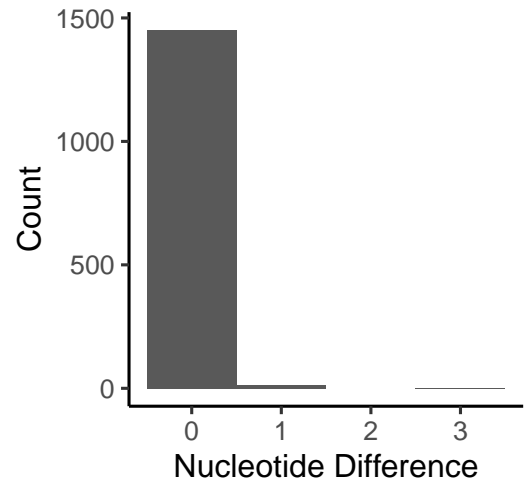
TRBV11-3*ap01

2194 sequences assigned
2168 (98.8%) exact matches, in which:
2127 unique CDR3
13 unique J



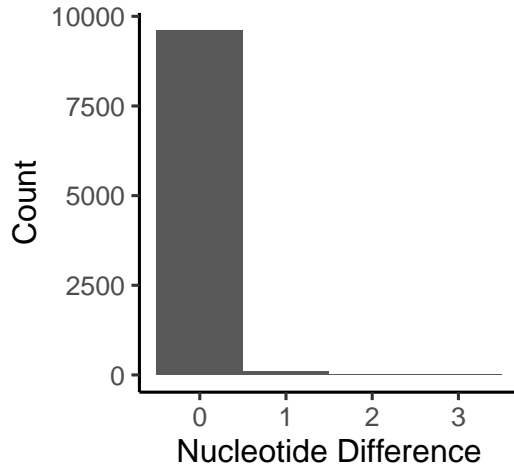
TRBV12-5*ap01

1466 sequences assigned
1451 (99%) exact matches, in which:
1421 unique CDR3
13 unique J



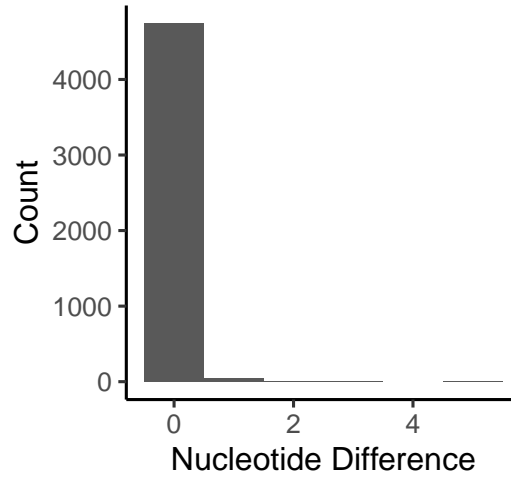
TRBV12-34*ap01

9720 sequences assigned
9614 (98.9%) exact matches, in which:
9412 unique CDR3
13 unique J



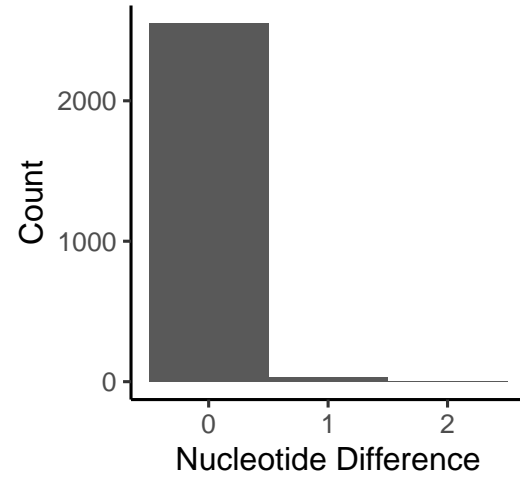
TRBV4-1*ap01

4787 sequences assigned
4742 (99.1%) exact matches, in which:
4645 unique CDR3
13 unique J



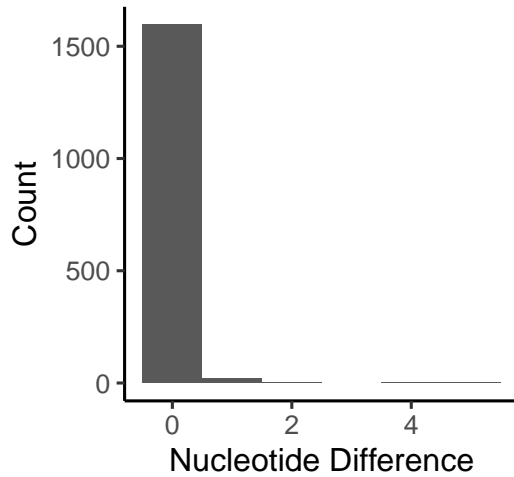
TRBV4-3*ap01

2588 sequences assigned
2551 (98.6%) exact matches, in which:
2488 unique CDR3
13 unique J



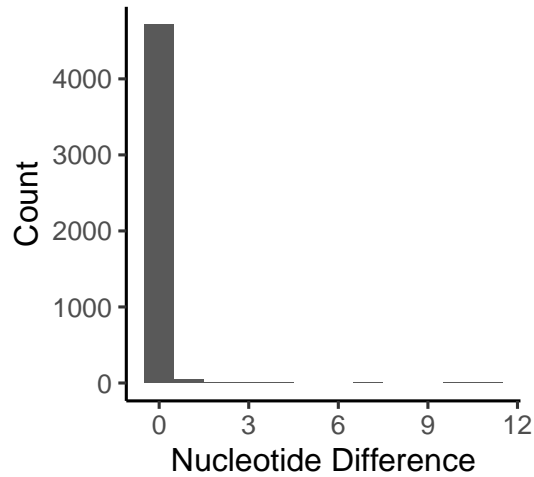
TRBV23-1*ap01

1618 sequences assigned
1596 (98.6%) exact matches, in which:
1565 unique CDR3
13 unique J



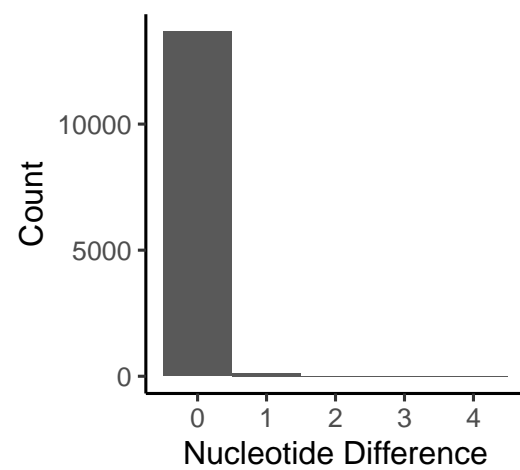
TRBV24-1*ap01

4775 sequences assigned
4712 (98.7%) exact matches, in which:
4644 unique CDR3
13 unique J



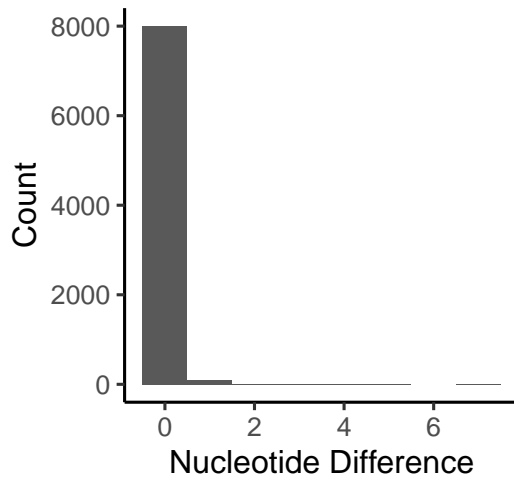
TRBV5-1*ap01

13822 sequences assigned
13673 (98.9%) exact matches, in which:
13372 unique CDR3
13 unique J



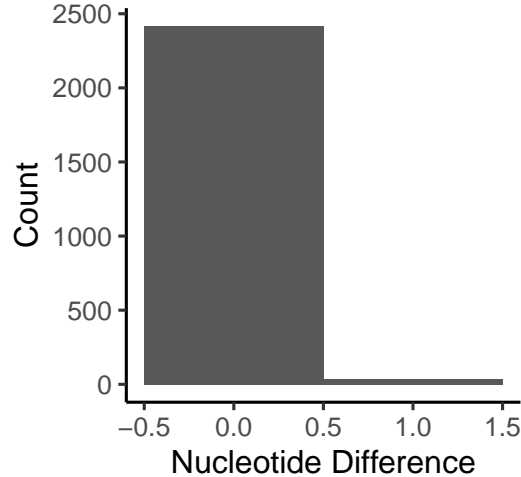
TRBV3-12*ap01

8111 sequences assigned
8002 (98.7%) exact matches, in which:
7865 unique CDR3
13 unique J



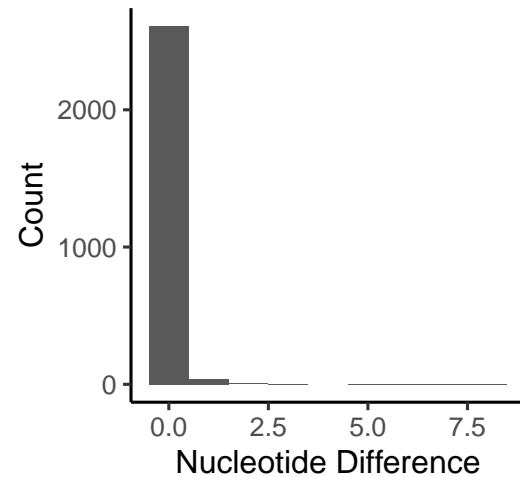
TRBV4-2*ap01

2454 sequences assigned
2417 (98.5%) exact matches, in which:
2373 unique CDR3
13 unique J



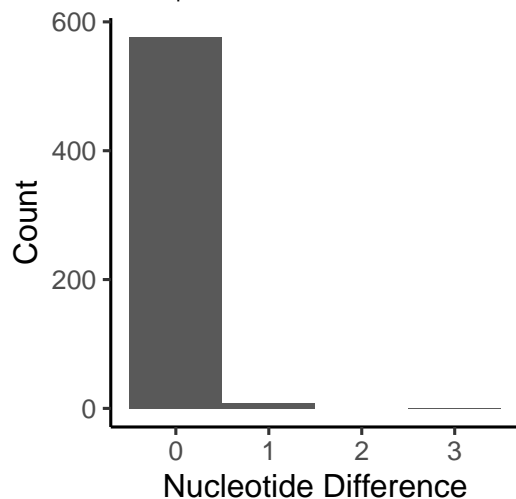
TRBV25-1*ap01

2660 sequences assigned
2610 (98.1%) exact matches, in which:
2578 unique CDR3
13 unique J



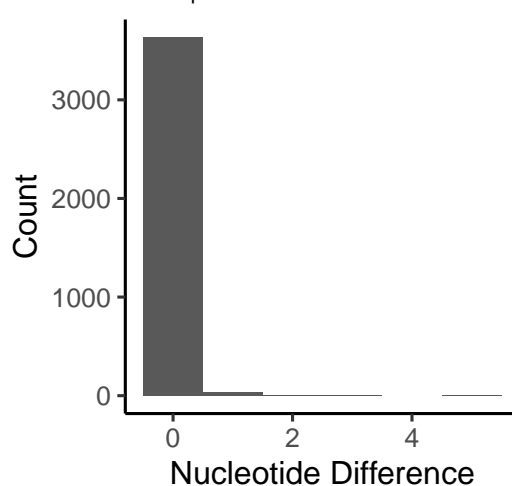
TRBV5-3*ap01

587 sequences assigned
577 (98.3%) exact matches, in which:
562 unique CDR3
13 unique J



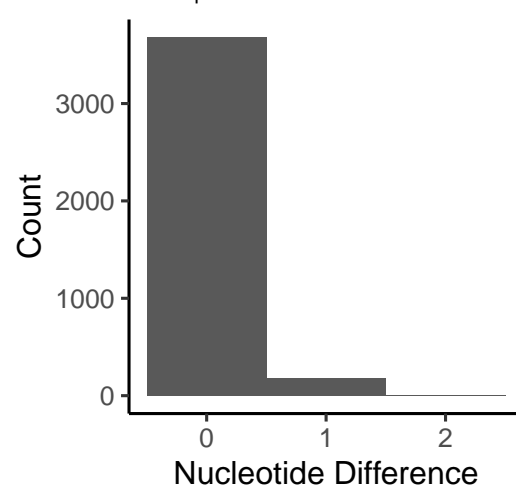
TRBV5-6*ap01

3672 sequences assigned
3633 (98.9%) exact matches, in which:
3551 unique CDR3
13 unique J



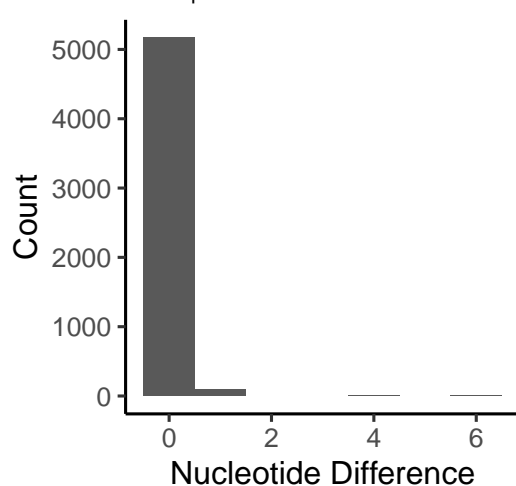
TRBV6-1*ap01

3863 sequences assigned
3679 (95.2%) exact matches, in which:
3599 unique CDR3
13 unique J



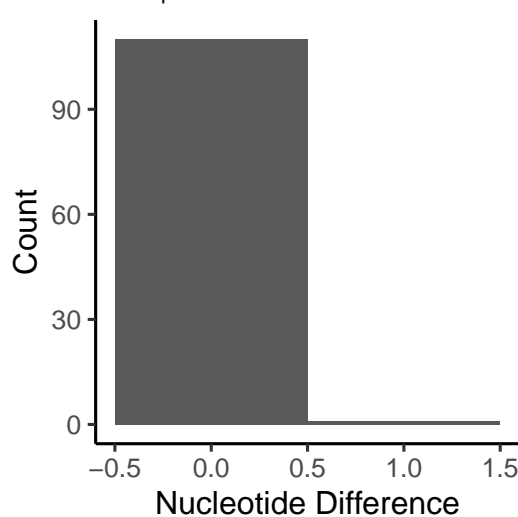
TRBV5-4*ap01

5264 sequences assigned
5169 (98.2%) exact matches, in which:
5072 unique CDR3
13 unique J



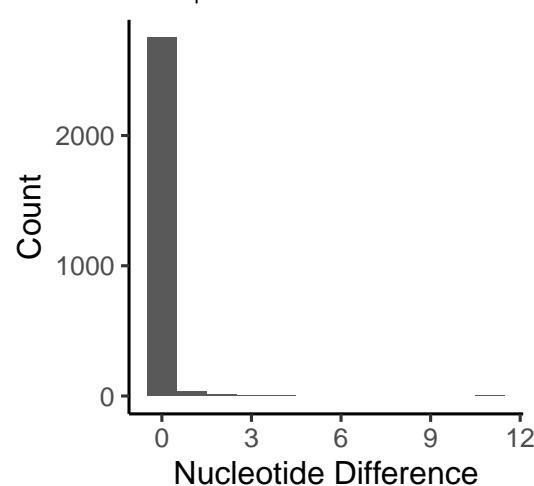
TRBV5-7*ap01

111 sequences assigned
110 (99.1%) exact matches, in which:
108 unique CDR3
12 unique J



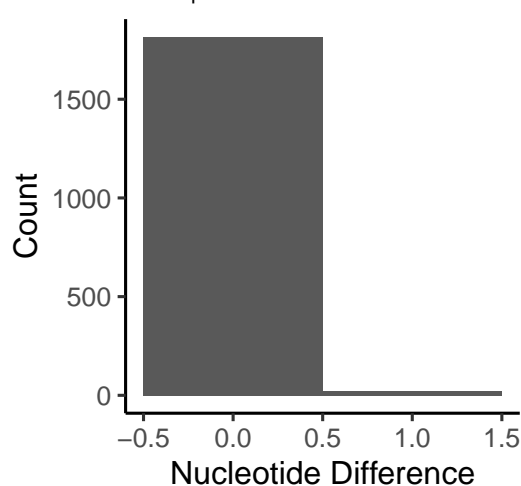
TRBV6-4*ap01

2802 sequences assigned
2751 (98.2%) exact matches, in which:
2702 unique CDR3
13 unique J



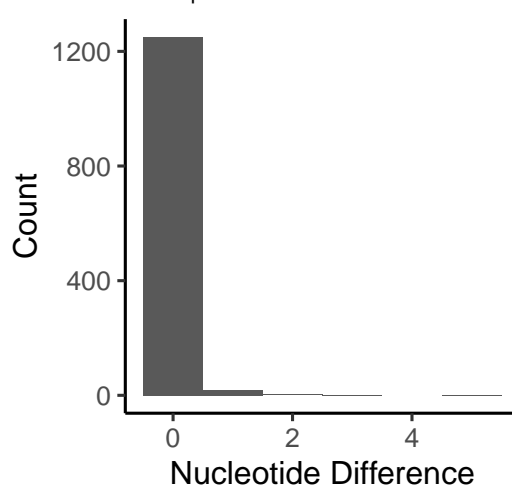
TRBV5-5*ap01

1836 sequences assigned
1815 (98.9%) exact matches, in which:
1777 unique CDR3
13 unique J



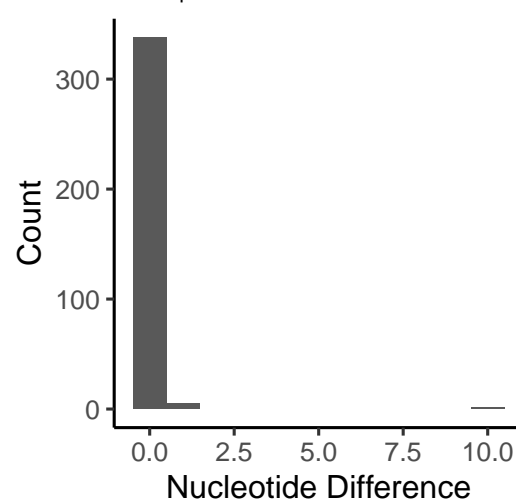
TRBV5-8*ap01

1274 sequences assigned
1250 (98.1%) exact matches, in which:
1220 unique CDR3
13 unique J



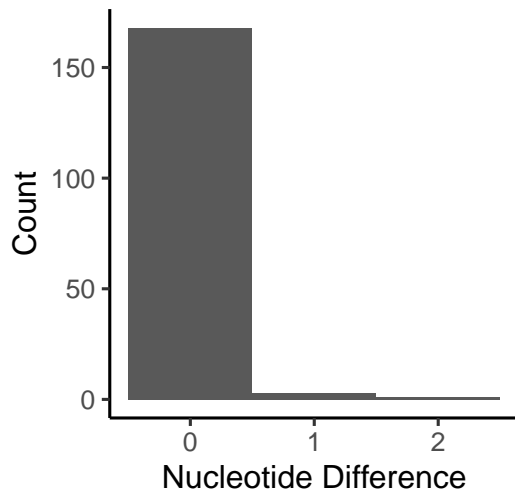
TRBV6-7*ap01

344 sequences assigned
338 (98.3%) exact matches, in which:
330 unique CDR3
13 unique J



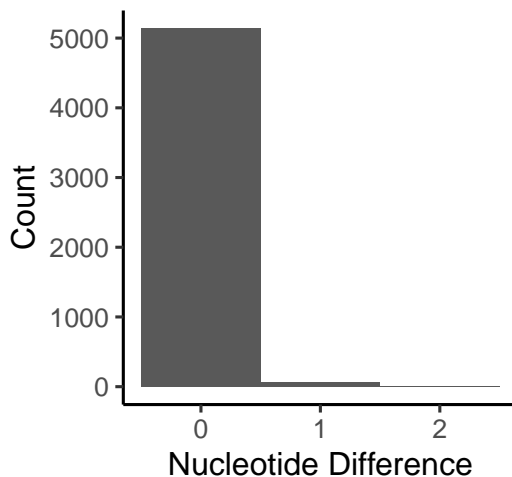
TRBV6–8*ap01

172 sequences assigned
168 (97.7%) exact matches, in which:
162 unique CDR3
13 unique J



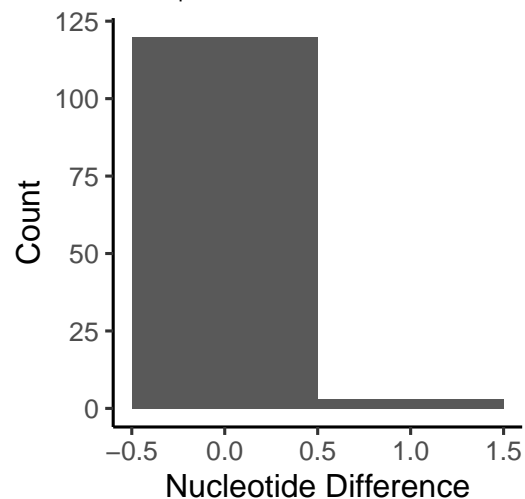
TRBV6–56*ap01

5207 sequences assigned
5139 (98.7%) exact matches, in which:
5040 unique CDR3
14 unique J



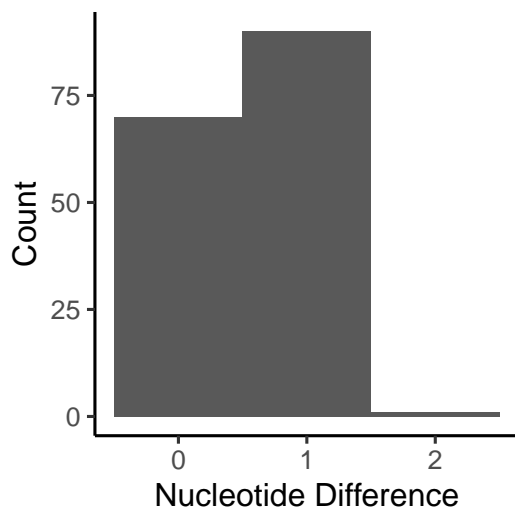
TRBV7–1*ap01_G291C_

123 sequences assigned
120 (97.6%) exact matches, in which:
115 unique CDR3
12 unique J



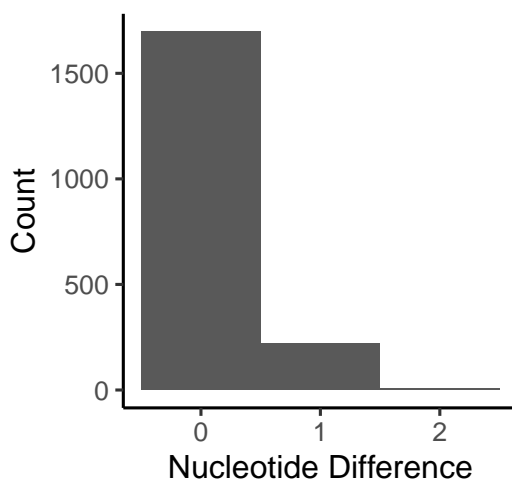
TRBV6–9*ap01

161 sequences assigned
70 (43.5%) exact matches, in which:
69 unique CDR3
11 unique J



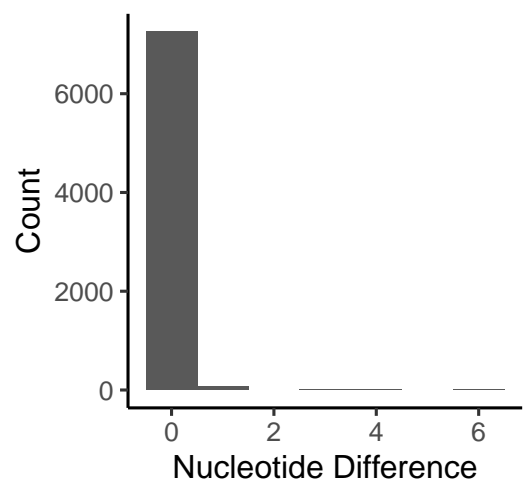
TRBV6–56*ap02

1922 sequences assigned
1697 (88.3%) exact matches, in which:
1662 unique CDR3
13 unique J



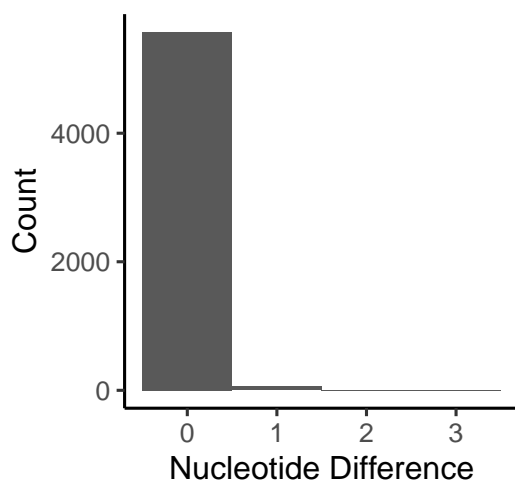
TRBV7–2*ap01

7328 sequences assigned
7255 (99%) exact matches, in which:
7089 unique CDR3
13 unique J



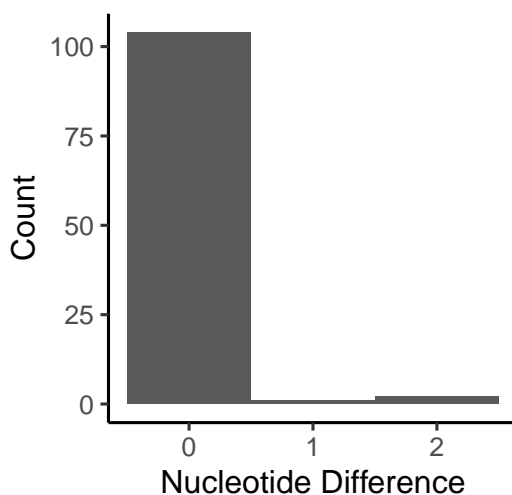
TRBV6–23*ap01

5639 sequences assigned
5574 (98.8%) exact matches, in which:
5461 unique CDR3
13 unique J



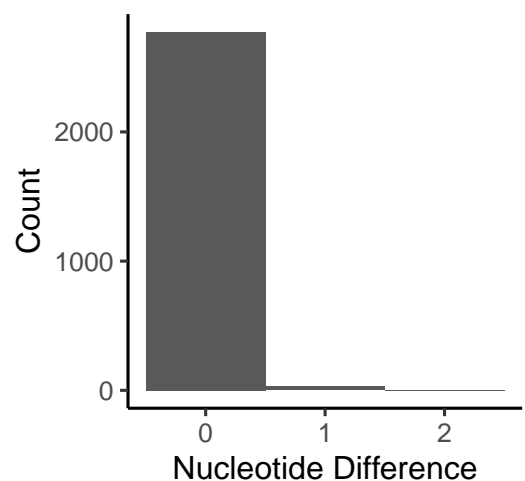
TRBV7–1*ap01_G291C_

107 sequences assigned
104 (97.2%) exact matches, in which:
102 unique CDR3
12 unique J



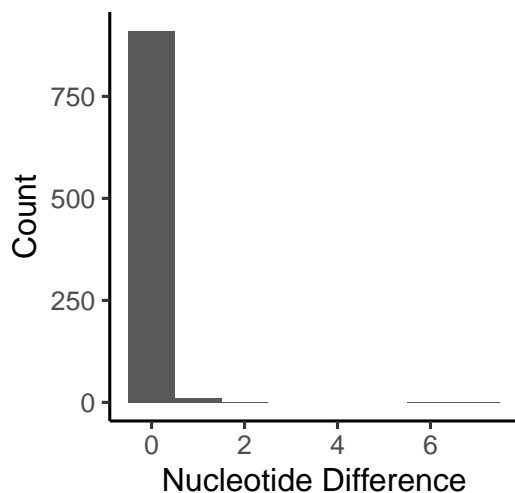
TRBV7–3*ap01

2804 sequences assigned
2773 (98.9%) exact matches, in which:
2707 unique CDR3
13 unique J



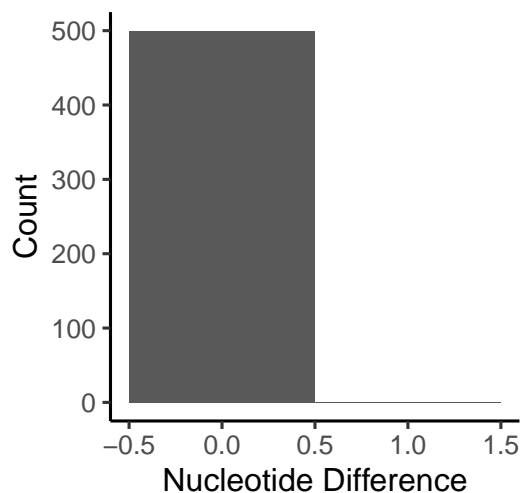
TRBV7-3*ap03

924 sequences assigned
911 (98.6%) exact matches, in which:
882 unique CDR3
13 unique J



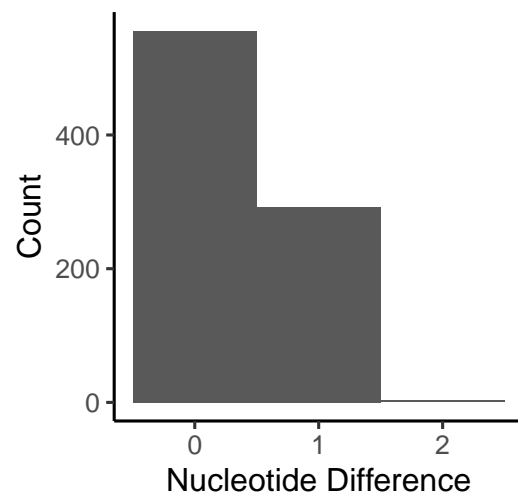
TRBV7-7*ap01

501 sequences assigned
500 (99.8%) exact matches, in which:
496 unique CDR3
13 unique J



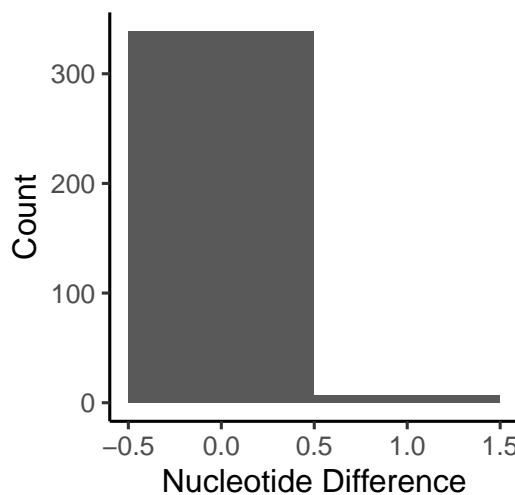
TRBV7-8*ap03

851 sequences assigned
556 (65.3%) exact matches, in which:
545 unique CDR3
13 unique J



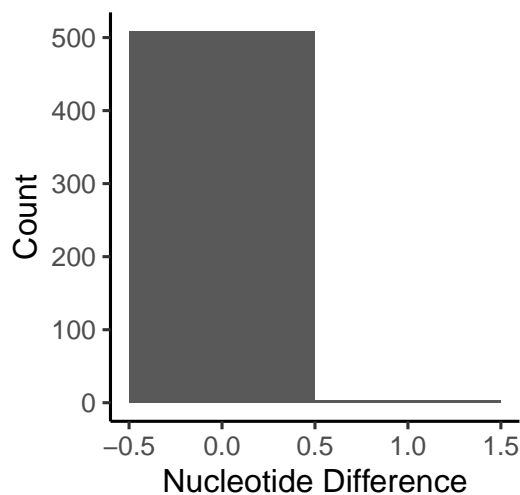
TRBV7-4*ap01

346 sequences assigned
339 (98%) exact matches, in which:
335 unique CDR3
13 unique J



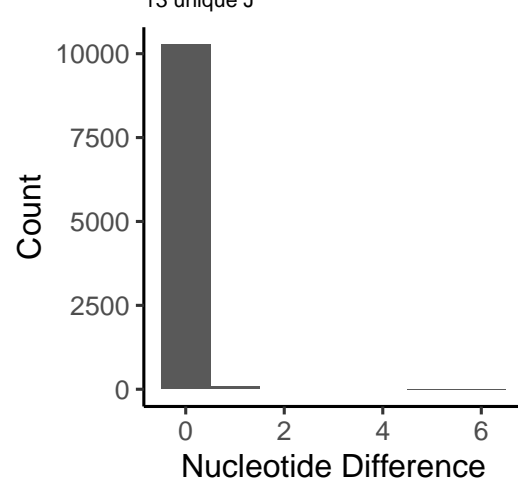
TRBV7-7*ap01_C315T

512 sequences assigned
509 (99.4%) exact matches, in which:
499 unique CDR3
13 unique J



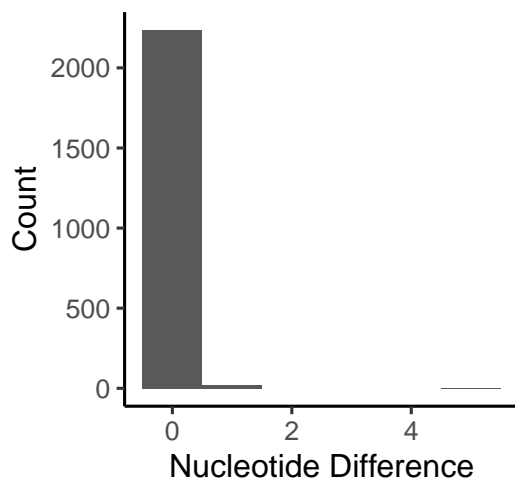
TRBV7-9*ap01

10365 sequences assigned
10274 (99.1%) exact matches, in which:
10076 unique CDR3
13 unique J



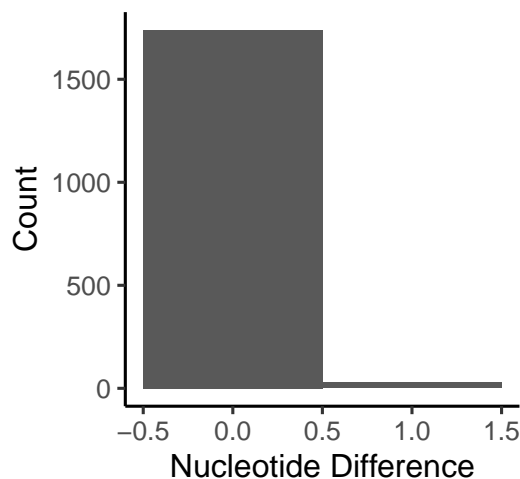
TRBV7-6*ap01

2260 sequences assigned
2236 (98.9%) exact matches, in which:
2194 unique CDR3
13 unique J



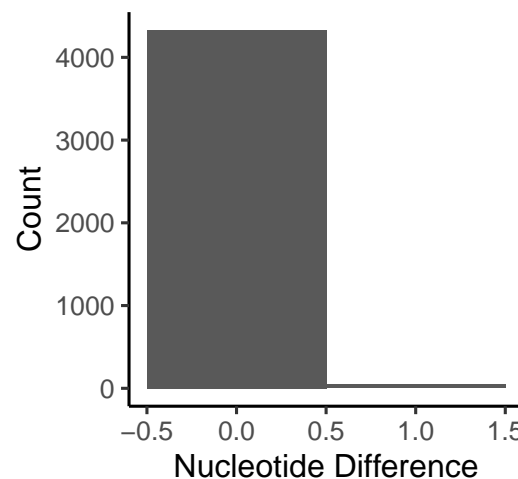
TRBV7-8*ap01

1768 sequences assigned
1739 (98.4%) exact matches, in which:
1704 unique CDR3
13 unique J



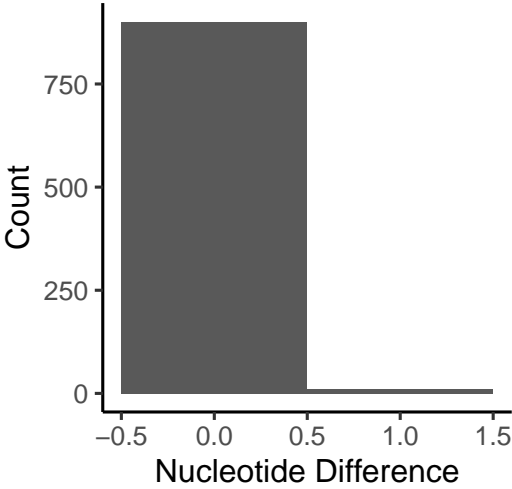
TRBV29-1*ap01

4377 sequences assigned
4330 (98.9%) exact matches, in which:
4276 unique CDR3
13 unique J

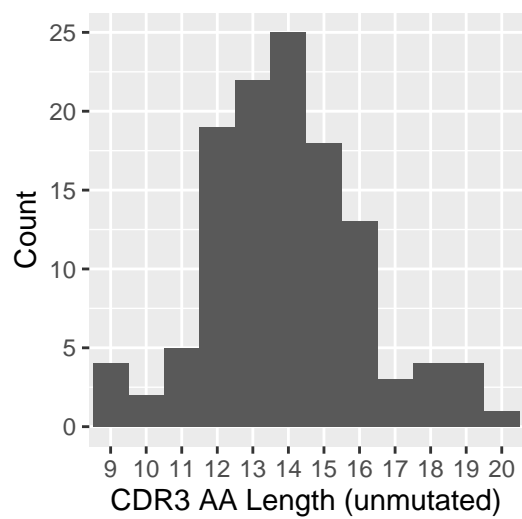


TRBV29-1*ap02

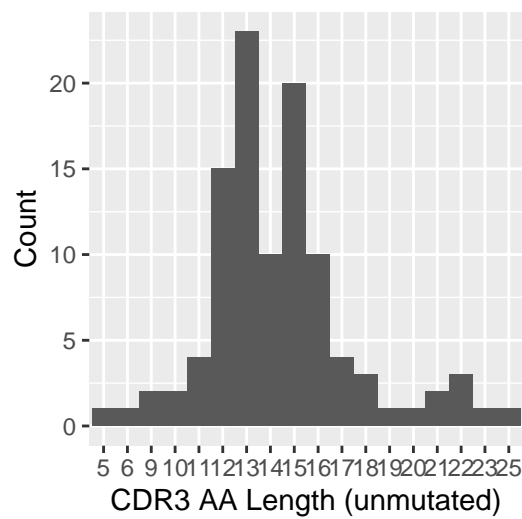
911 sequences assigned
901 (98.9%) exact matches, in which:
888 unique CDR3
13 unique J



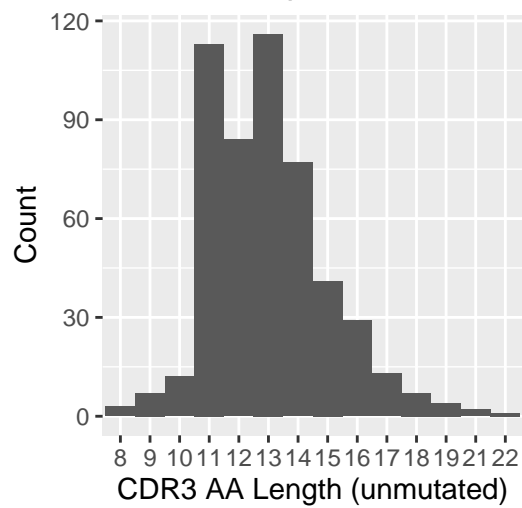
TRBV7-1*ap01_G291C_T296C_C314T

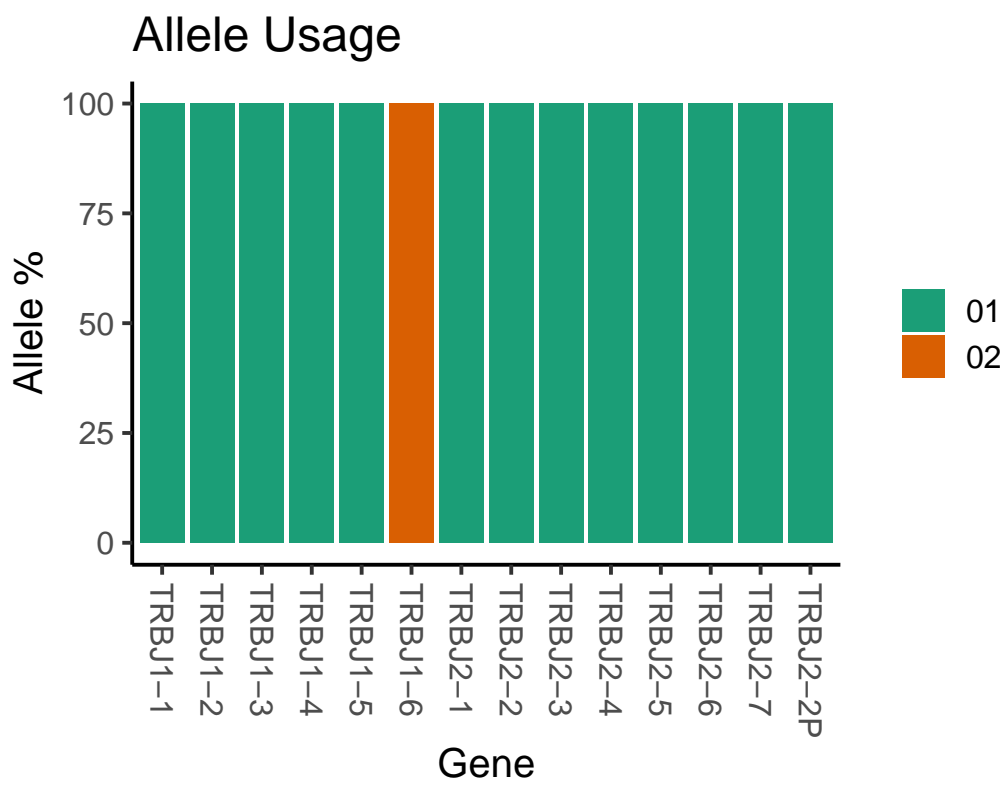


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]