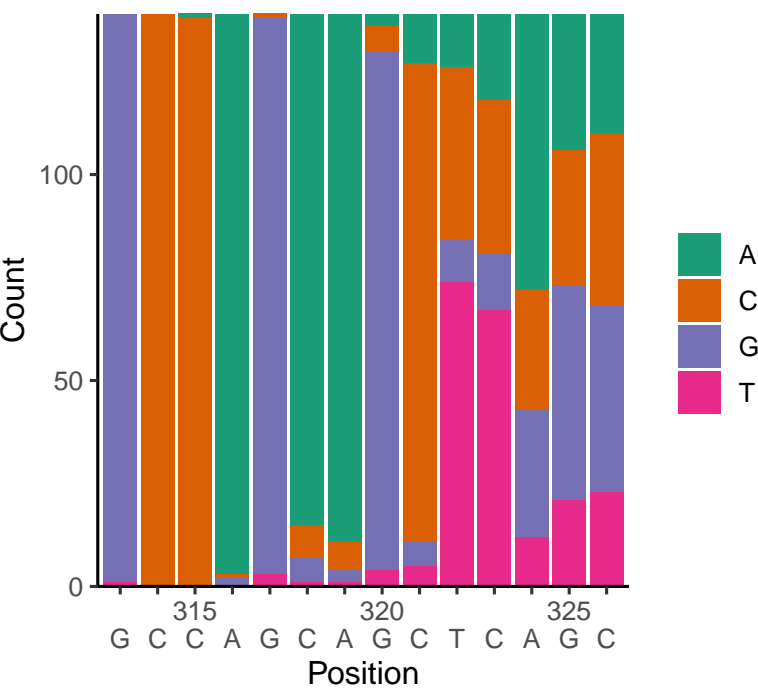
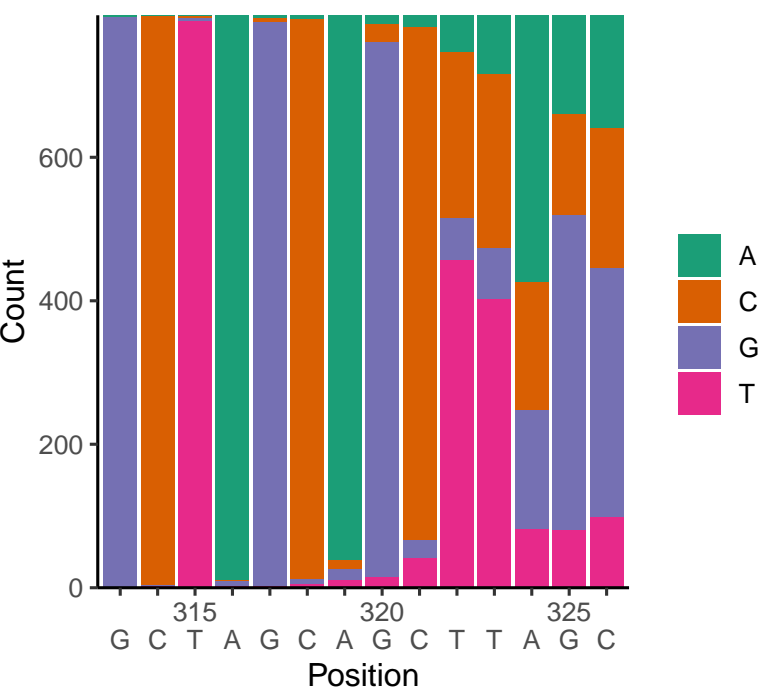


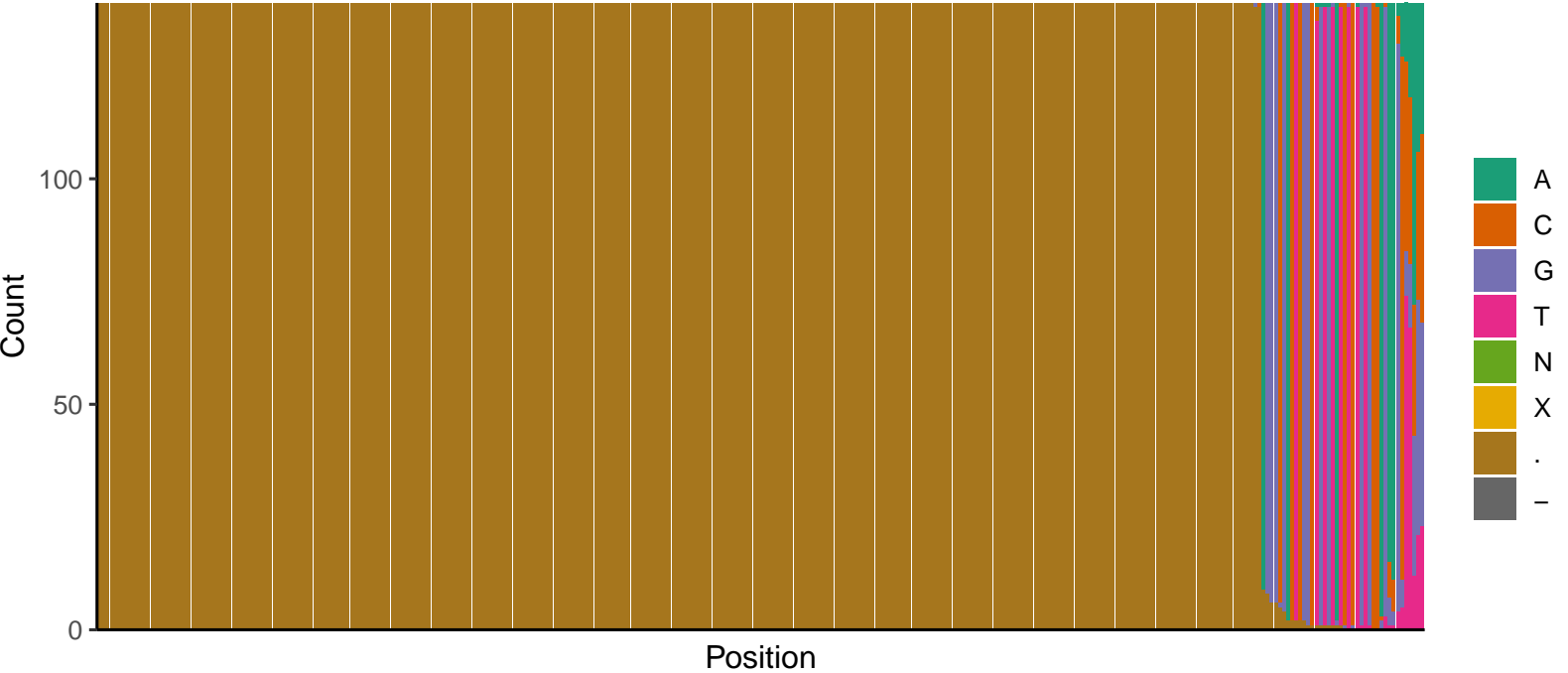
Gene TRBV7-1*ap01_G291C_T296C



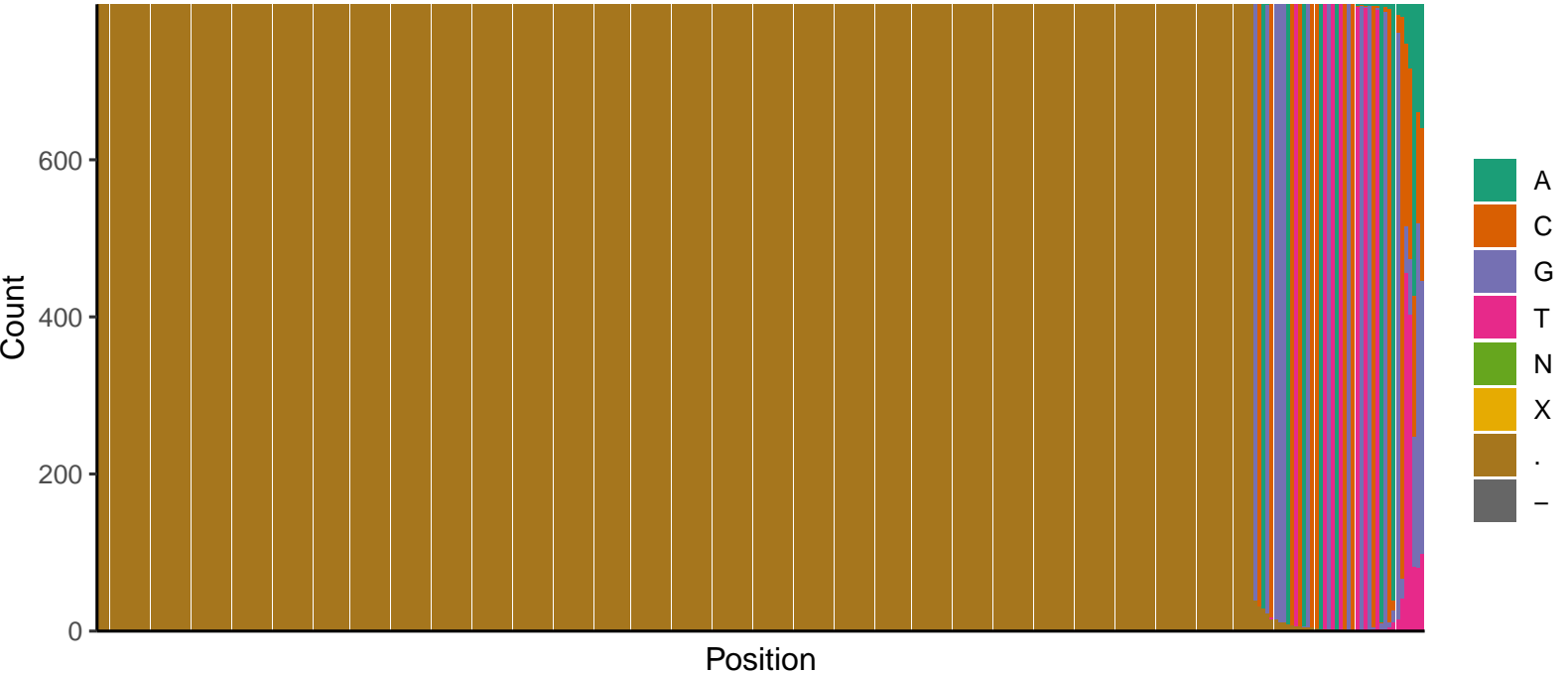
Gene TRBV7-7*ap01_C315T



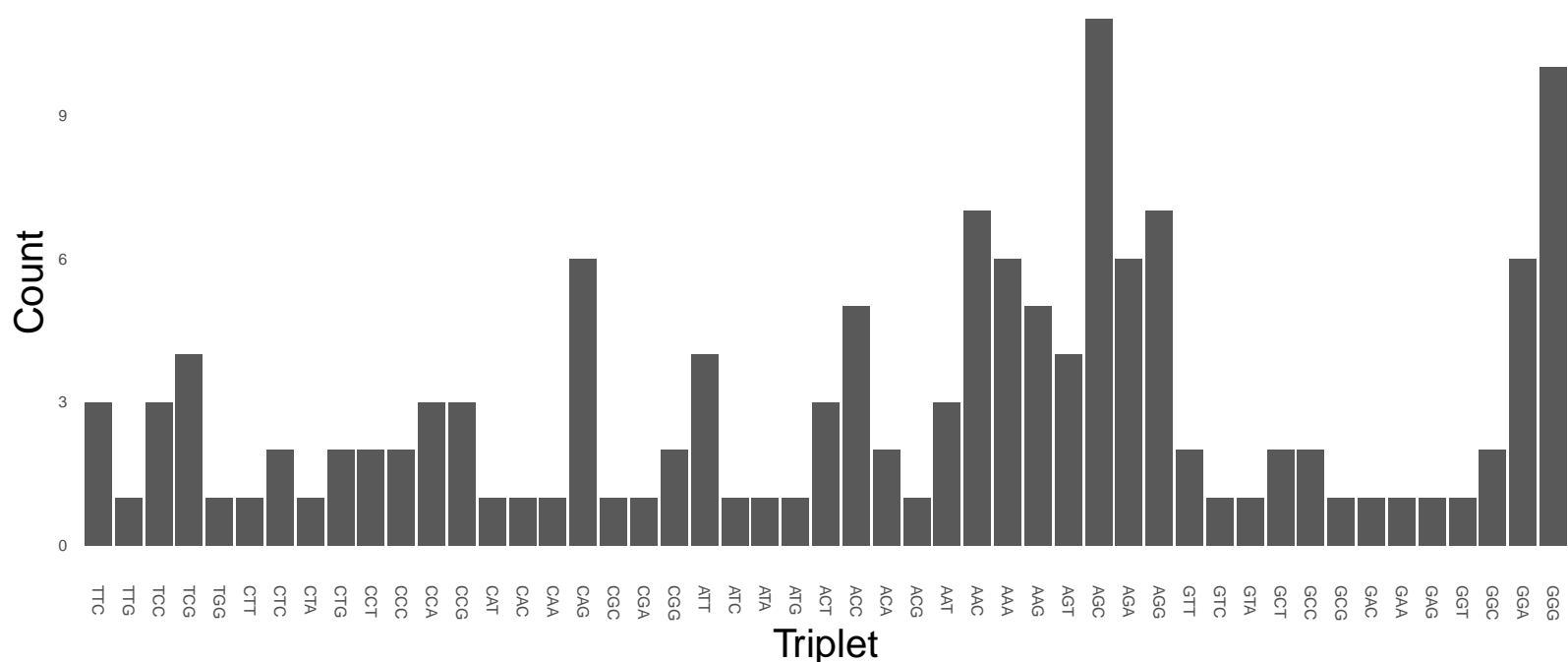
Gene TRBV7-1*ap01_G291C_T296C



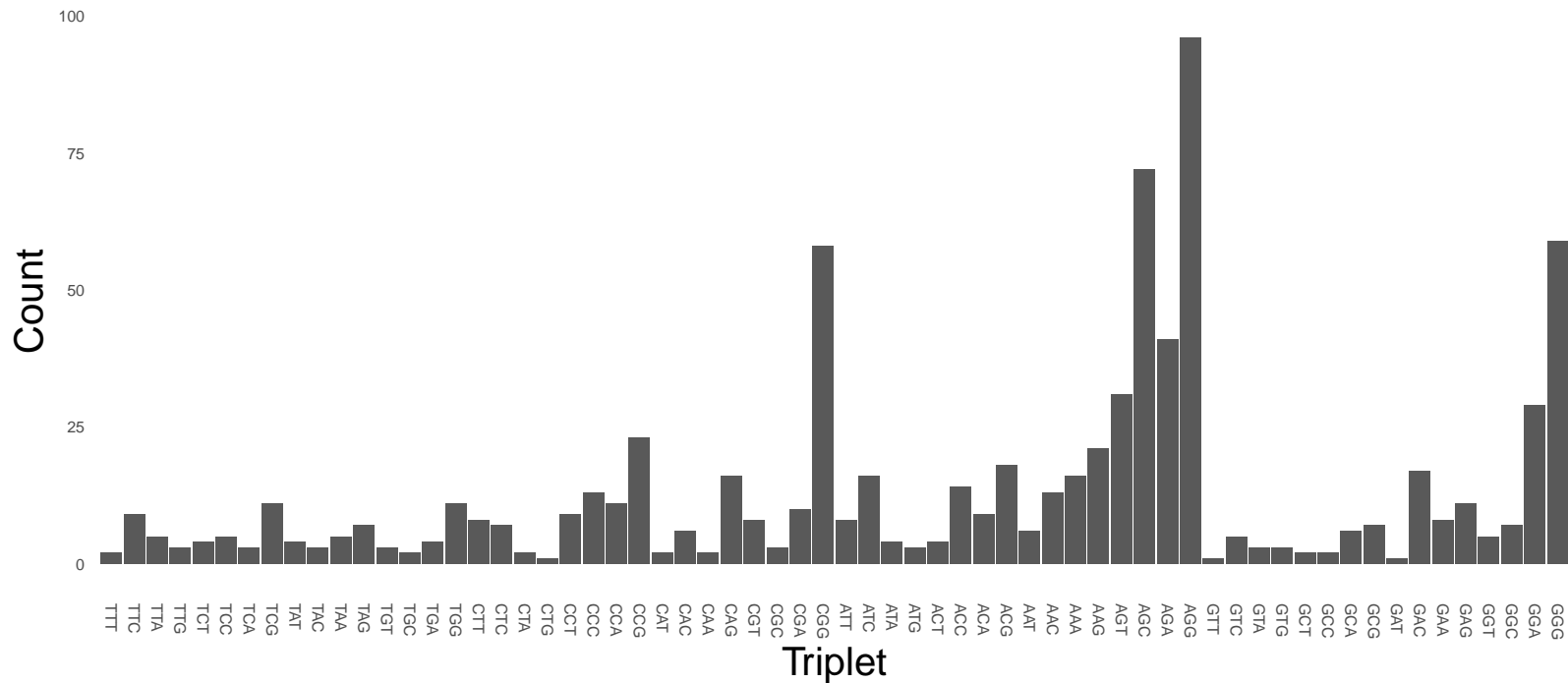
Gene TRBV7-7*ap01_C315T



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

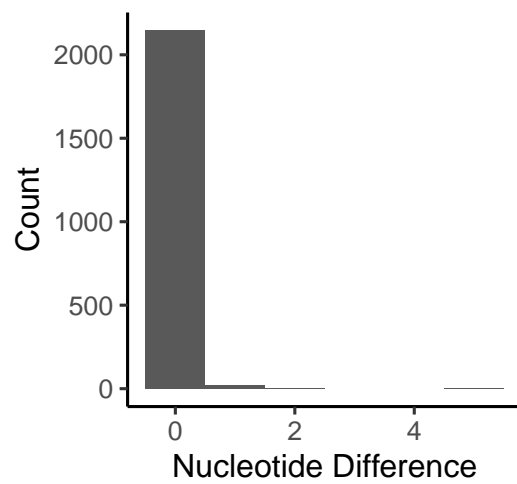


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



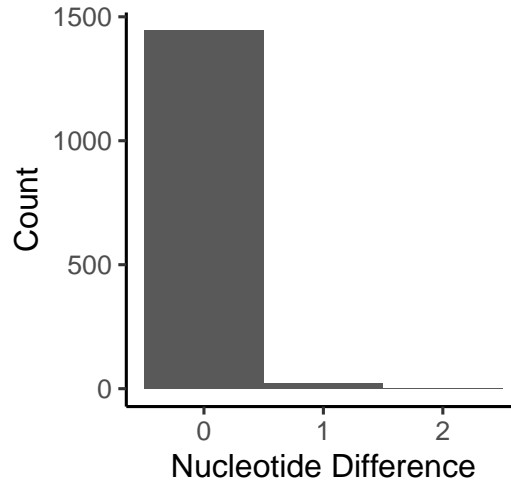
TRBV10-1*ap01

2169 sequences assigned
2146 (98.9%) exact matches, in which:
2066 unique CDR3
13 unique J



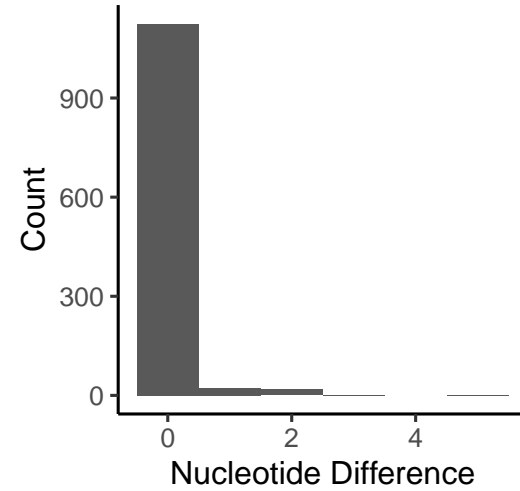
TRBV10-2*ap01

1468 sequences assigned
1445 (98.4%) exact matches, in which:
1398 unique CDR3
13 unique J



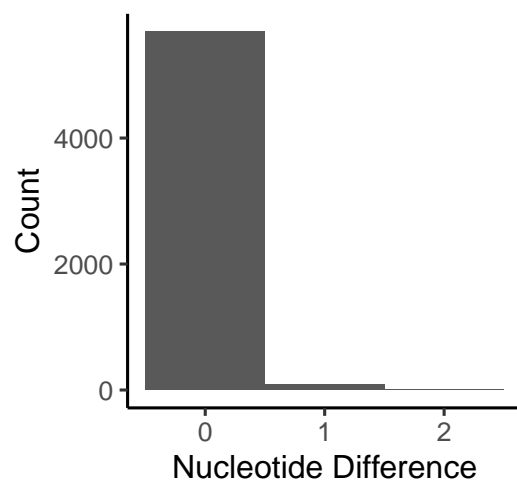
TRBV13*ap01

1168 sequences assigned
1125 (96.3%) exact matches, in which:
1084 unique CDR3
13 unique J



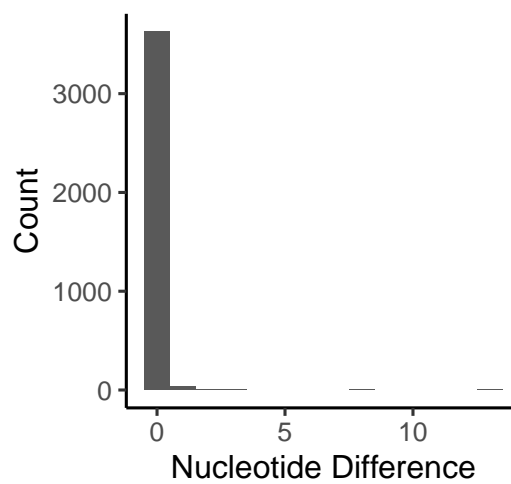
TRBV20-1*ap01

5778 sequences assigned
5688 (98.4%) exact matches, in which:
5548 unique CDR3
13 unique J



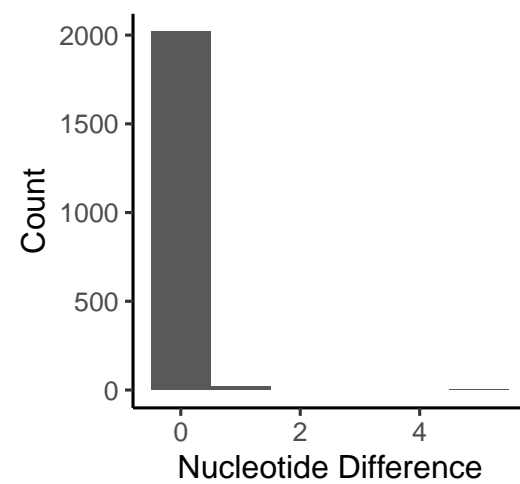
TRBV10-3*ap01

3667 sequences assigned
3627 (98.9%) exact matches, in which:
3523 unique CDR3
13 unique J



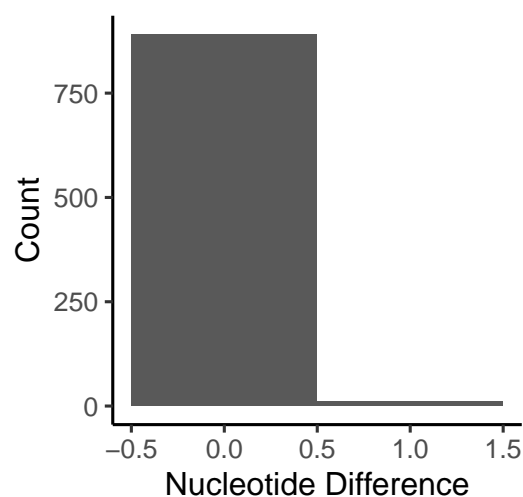
TRBV14*ap01

2042 sequences assigned
2019 (98.9%) exact matches, in which:
1952 unique CDR3
13 unique J



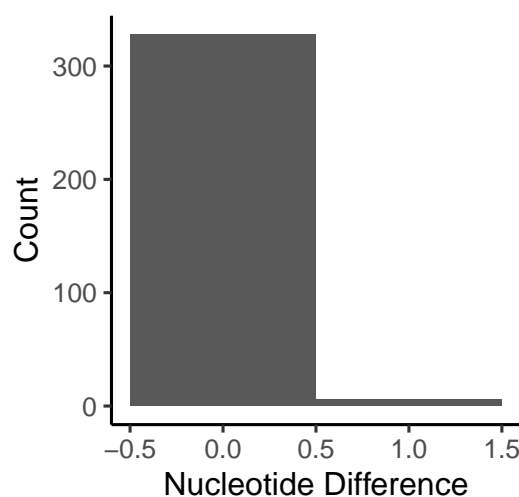
TRBV20-1*ap02

901 sequences assigned
891 (98.9%) exact matches, in which:
872 unique CDR3
13 unique J



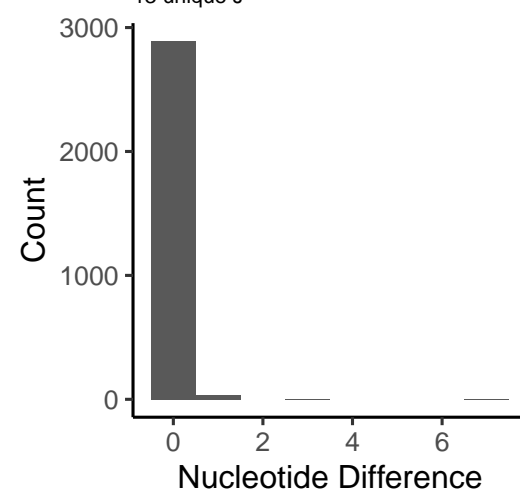
TRBV1*ap01

334 sequences assigned
328 (98.2%) exact matches, in which:
323 unique CDR3
13 unique J



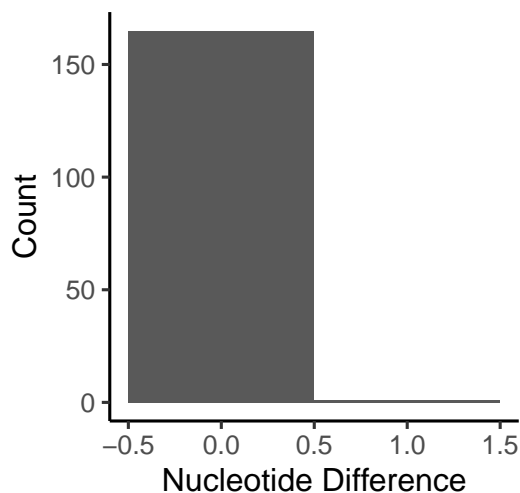
TRBV15*ap02

2928 sequences assigned
2891 (98.7%) exact matches, in which:
2802 unique CDR3
13 unique J



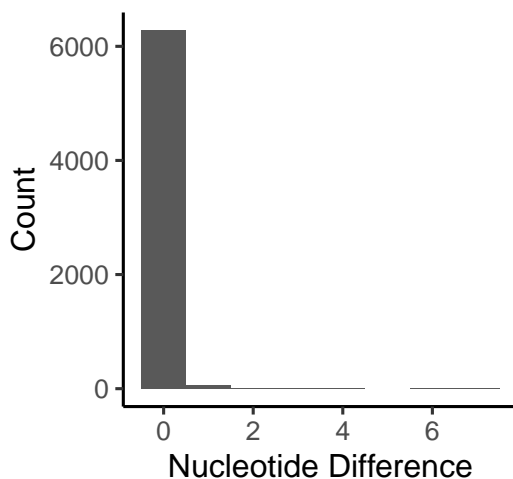
TRBV16*ap01

166 sequences assigned
165 (99.4%) exact matches, in which:
163 unique CDR3
12 unique J



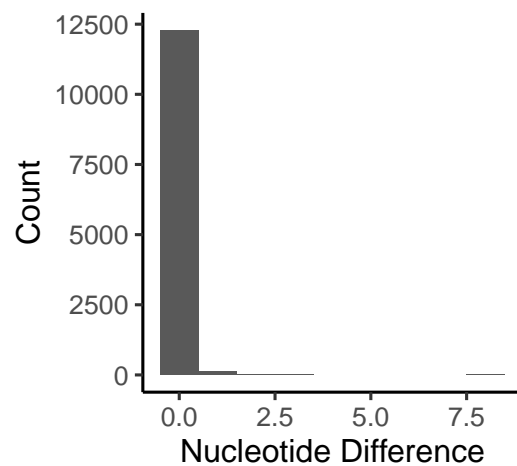
TRBV2*ap01

6356 sequences assigned
6279 (98.8%) exact matches, in which:
6111 unique CDR3
13 unique J



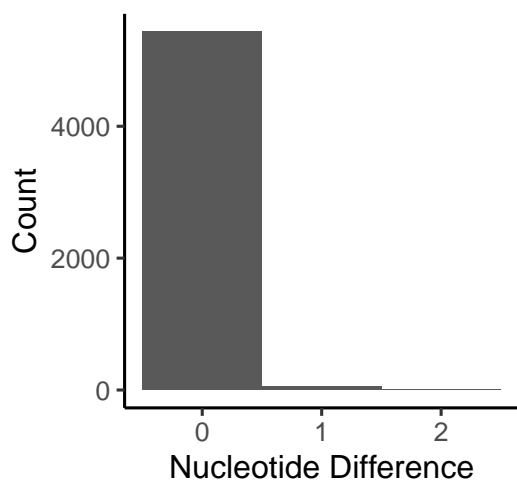
TRBV28*ap01

12437 sequences assigned
12287 (98.8%) exact matches, in which:
11982 unique CDR3
13 unique J



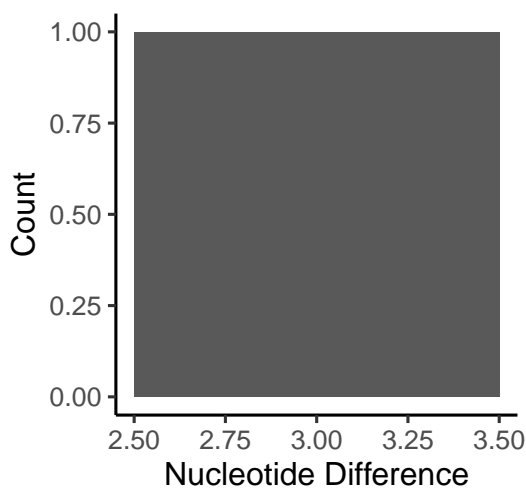
TRBV18*ap01

5488 sequences assigned
5434 (99%) exact matches, in which:
5313 unique CDR3
13 unique J



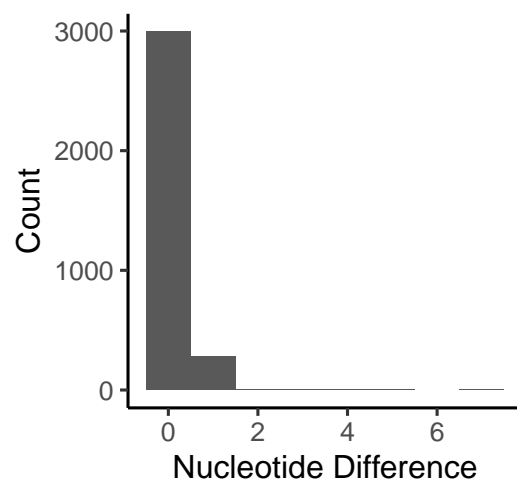
TRBV26*ap01

1 sequences assigned
No exact matches.



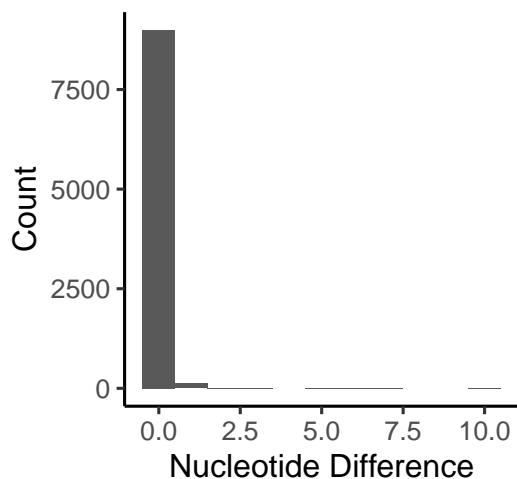
TRBV30*ap01

3284 sequences assigned
2994 (91.2%) exact matches, in which:
2894 unique CDR3
14 unique J



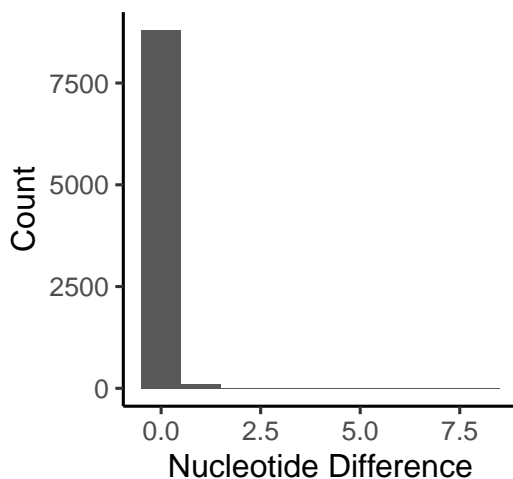
TRBV19*ap01

9124 sequences assigned
8993 (98.6%) exact matches, in which:
8831 unique CDR3
13 unique J



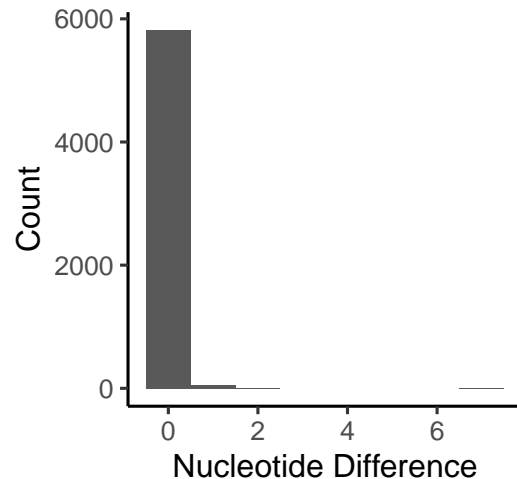
TRBV27*ap01

8923 sequences assigned
8802 (98.6%) exact matches, in which:
8511 unique CDR3
13 unique J



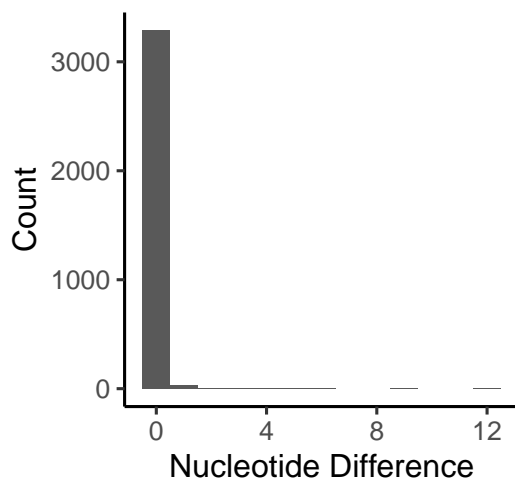
TRBV9*ap01

5882 sequences assigned
5818 (98.9%) exact matches, in which:
5675 unique CDR3
13 unique J



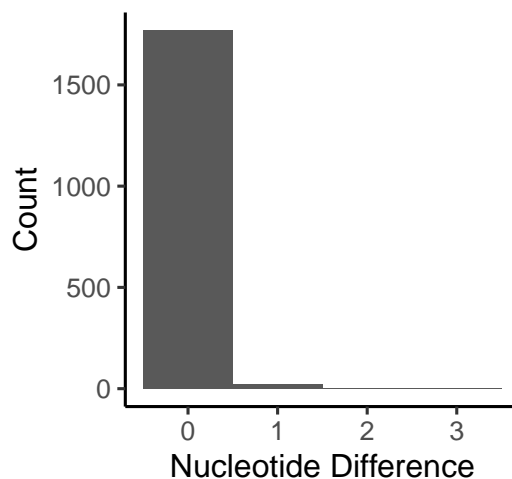
TRBV21-1*ap01

3338 sequences assigned
3288 (98.5%) exact matches, in which:
3211 unique CDR3
13 unique J



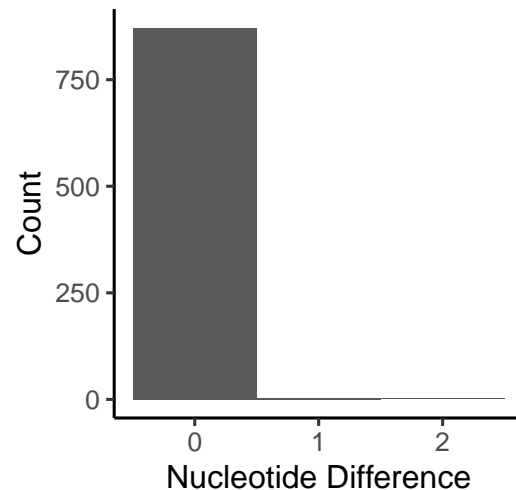
TRBV11-3*ap01

1793 sequences assigned
1769 (98.7%) exact matches, in which:
1749 unique CDR3
14 unique J



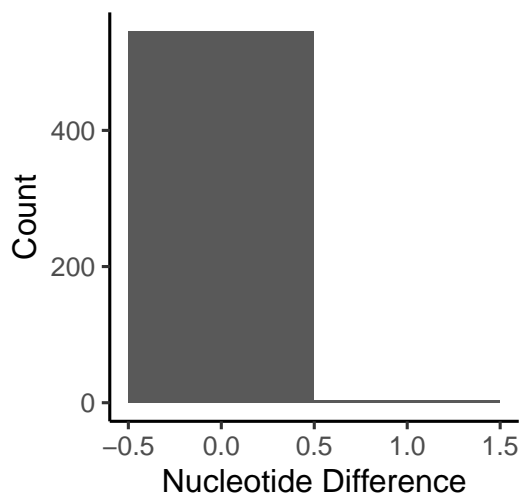
TRBV12-5*ap01

878 sequences assigned
872 (99.3%) exact matches, in which:
853 unique CDR3
13 unique J



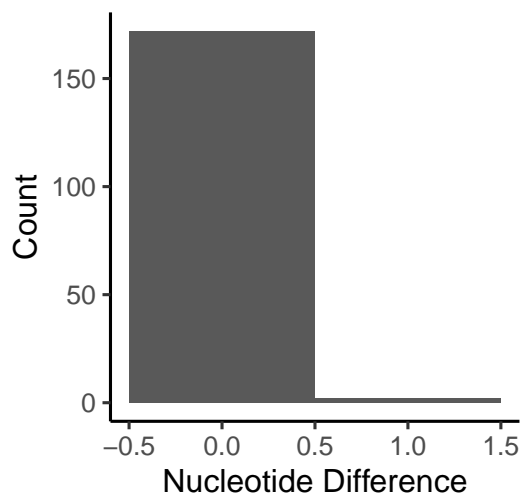
TRBV11-1*ap01

549 sequences assigned
546 (99.5%) exact matches, in which:
540 unique CDR3
13 unique J



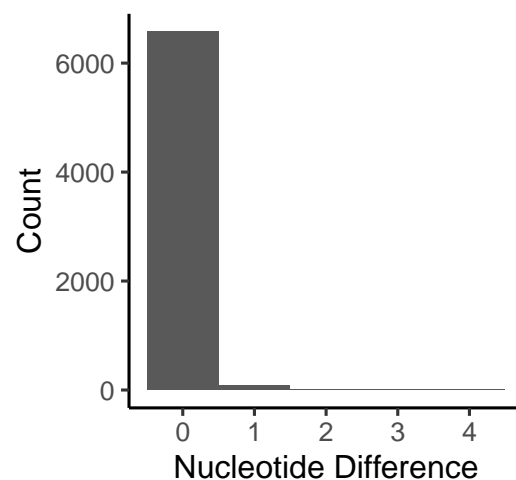
TRBV12-1*ap01

174 sequences assigned
172 (98.9%) exact matches, in which:
168 unique CDR3
13 unique J



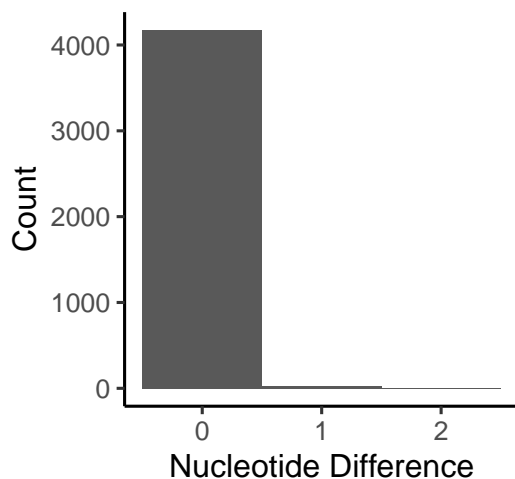
TRBV12-34*ap01

6655 sequences assigned
6576 (98.8%) exact matches, in which:
6395 unique CDR3
13 unique J



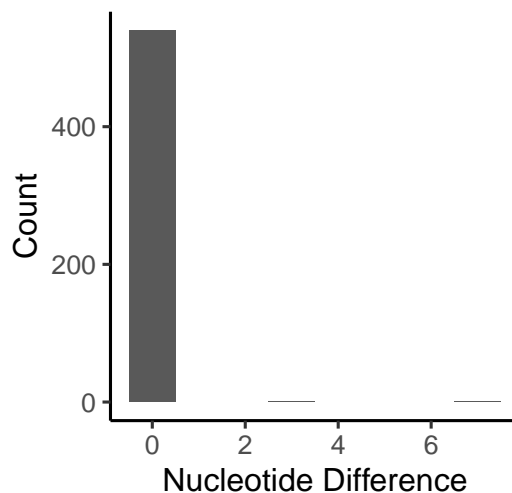
TRBV11-2*ap01

4200 sequences assigned
4174 (99.4%) exact matches, in which:
4103 unique CDR3
13 unique J



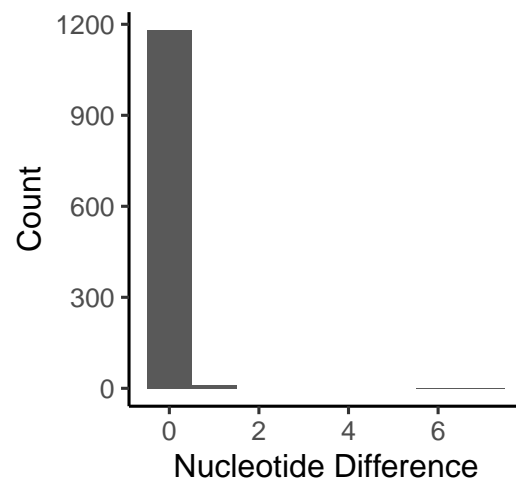
TRBV12-2*ap01

542 sequences assigned
540 (99.6%) exact matches, in which:
516 unique CDR3
13 unique J



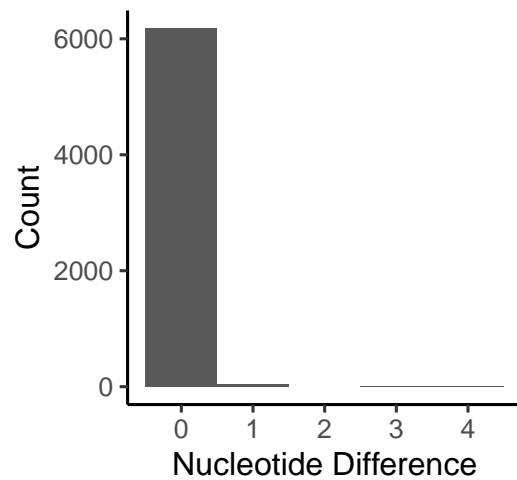
TRBV23-1*ap01

1193 sequences assigned
1181 (99%) exact matches, in which:
1150 unique CDR3
13 unique J



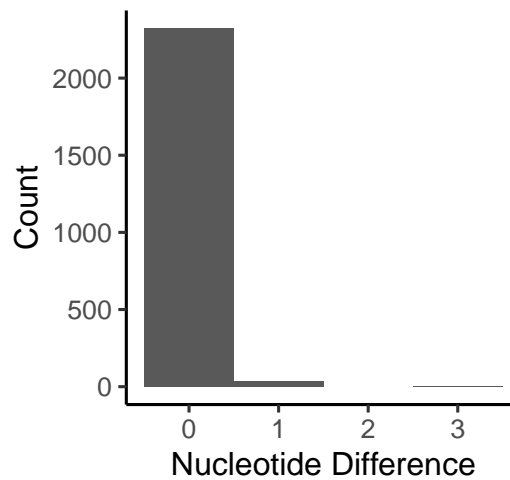
TRBV3-12*ap01

6232 sequences assigned
6179 (99.1%) exact matches, in which:
6052 unique CDR3
13 unique J



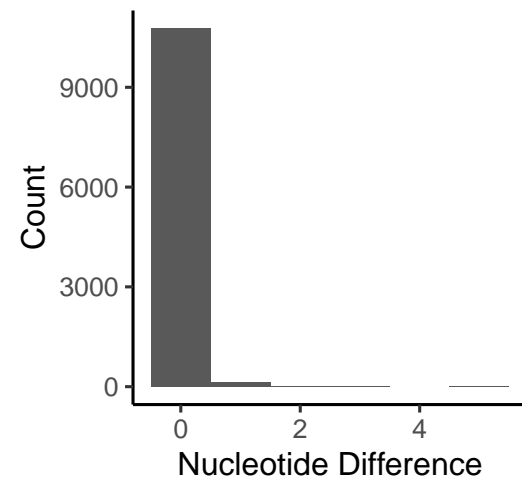
TRBV4-2*ap01

2361 sequences assigned
2322 (98.3%) exact matches, in which:
2250 unique CDR3
13 unique J



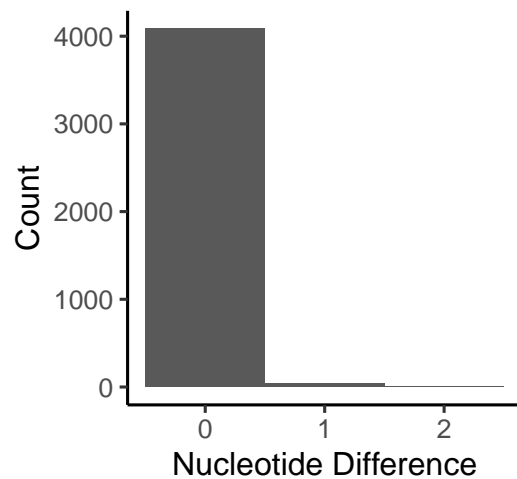
TRBV5-1*ap01

10899 sequences assigned
10770 (98.8%) exact matches, in which:
10426 unique CDR3
13 unique J



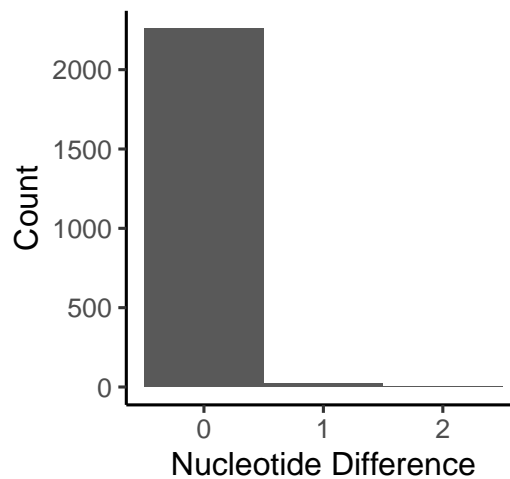
TRBV4-1*ap01

4129 sequences assigned
4085 (98.9%) exact matches, in which:
3959 unique CDR3
13 unique J



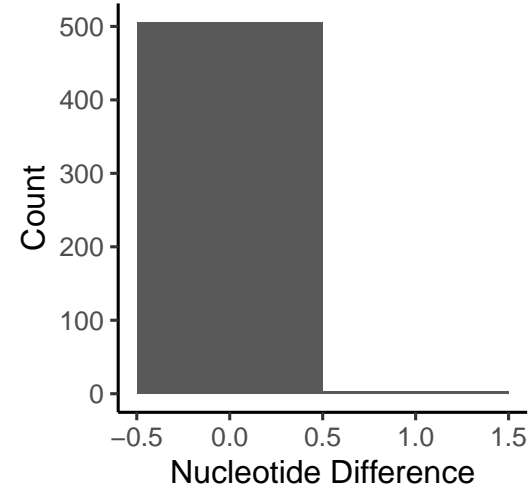
TRBV4-3*ap01

2282 sequences assigned
2258 (98.9%) exact matches, in which:
2183 unique CDR3
13 unique J



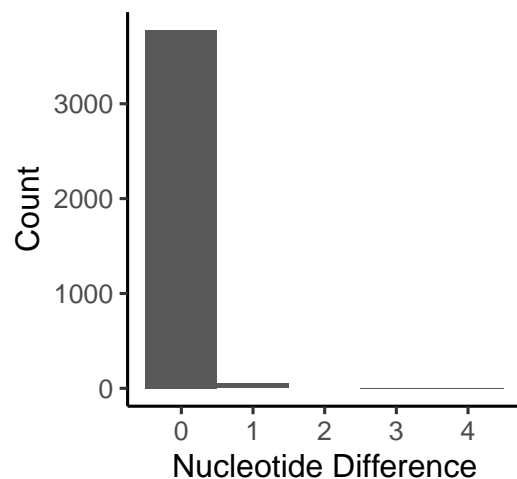
TRBV5-3*ap01

510 sequences assigned
506 (99.2%) exact matches, in which:
492 unique CDR3
13 unique J



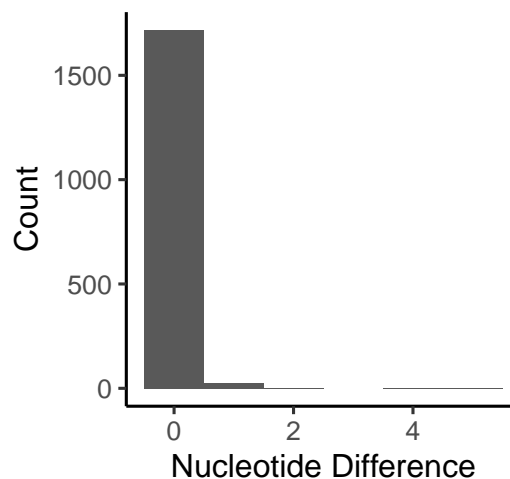
TRBV24-1*ap01

3831 sequences assigned
3777 (98.6%) exact matches, in which:
3679 unique CDR3
13 unique J



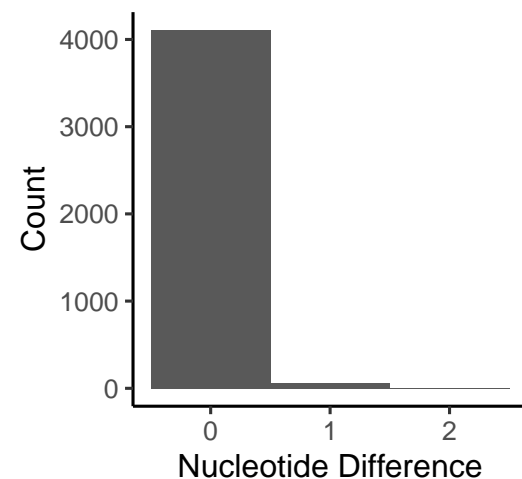
TRBV25-1*ap01

1744 sequences assigned
1717 (98.5%) exact matches, in which:
1661 unique CDR3
13 unique J



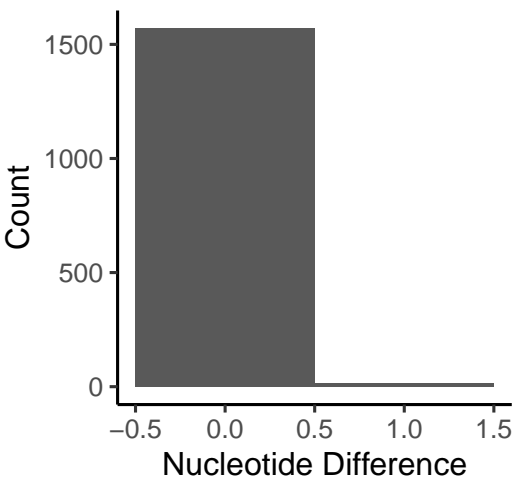
TRBV5-4*ap01

4171 sequences assigned
4108 (98.5%) exact matches, in which:
3986 unique CDR3
13 unique J



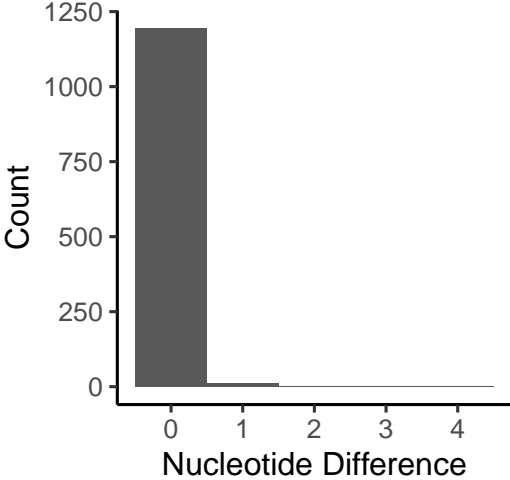
TRBV5-5*ap01

1585 sequences assigned
1570 (99.1%) exact matches, in which:
1552 unique CDR3
13 unique J



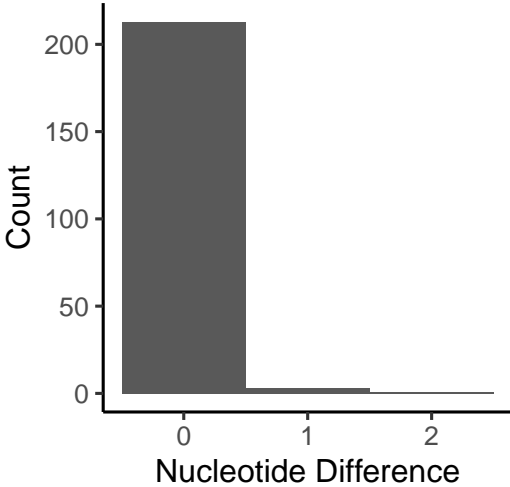
TRBV5-8*ap01

1212 sequences assigned
1194 (98.5%) exact matches, in which:
1168 unique CDR3
13 unique J



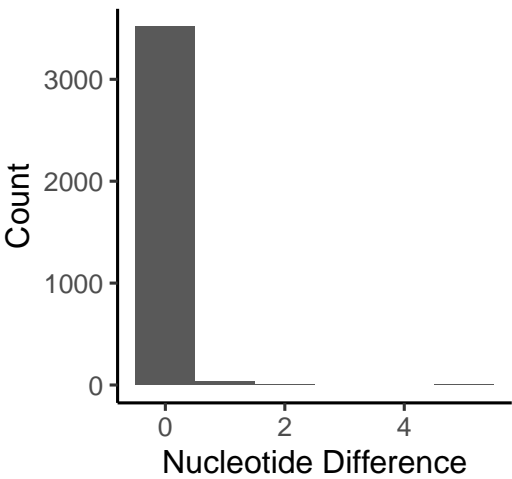
TRBV6-7*ap01

217 sequences assigned
213 (98.2%) exact matches, in which:
206 unique CDR3
13 unique J



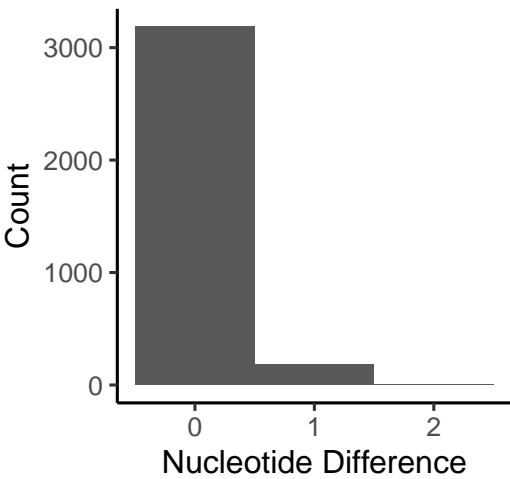
TRBV5-6*ap01

3555 sequences assigned
3516 (98.9%) exact matches, in which:
3390 unique CDR3
13 unique J



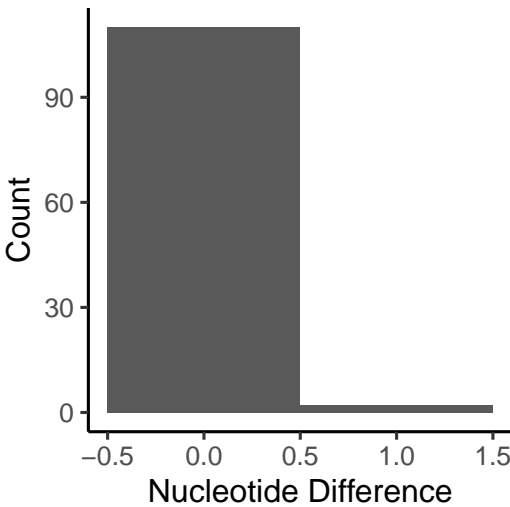
TRBV6-1*ap01

3370 sequences assigned
3186 (94.5%) exact matches, in which:
3087 unique CDR3
13 unique J



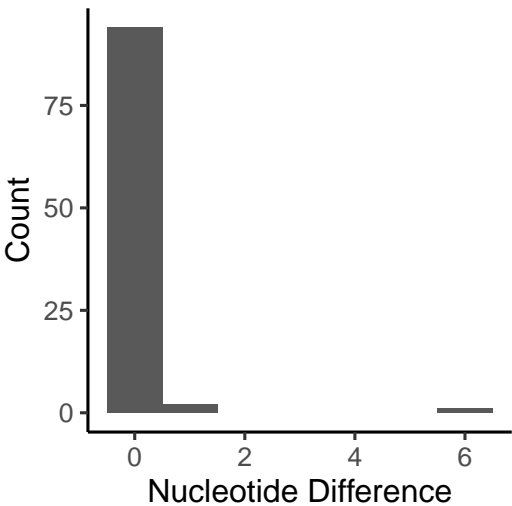
TRBV6-8*ap01

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



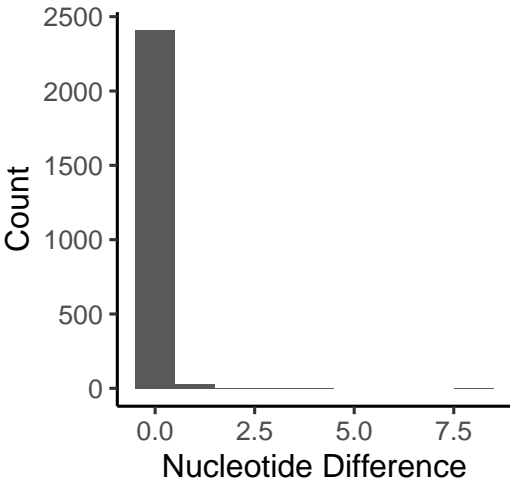
TRBV5-7*ap01

97 sequences assigned
94 (96.9%) exact matches, in which:
89 unique CDR3
12 unique J



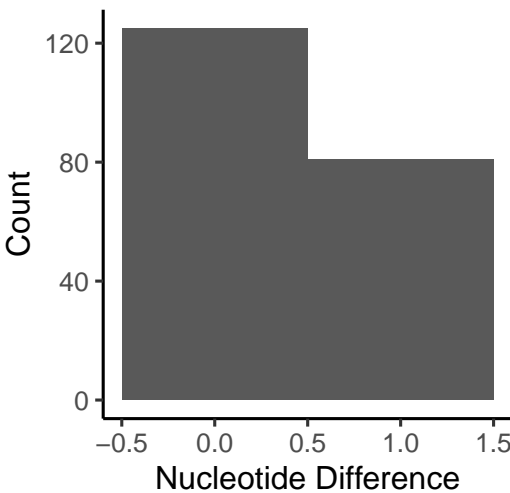
TRBV6-4*ap01

2447 sequences assigned
2410 (98.5%) exact matches, in which:
2345 unique CDR3
13 unique J



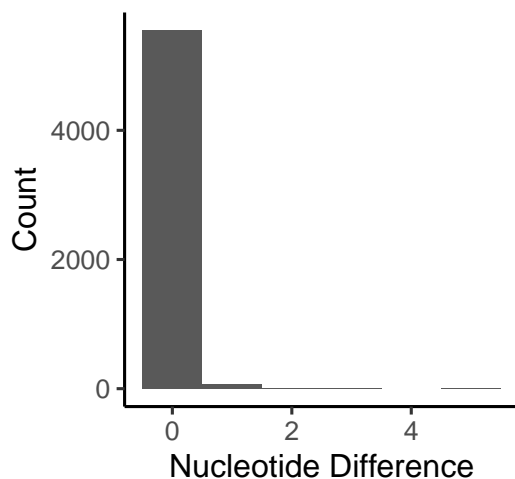
TRBV6-9*ap01

206 sequences assigned
125 (60.7%) exact matches, in which:
118 unique CDR3
13 unique J



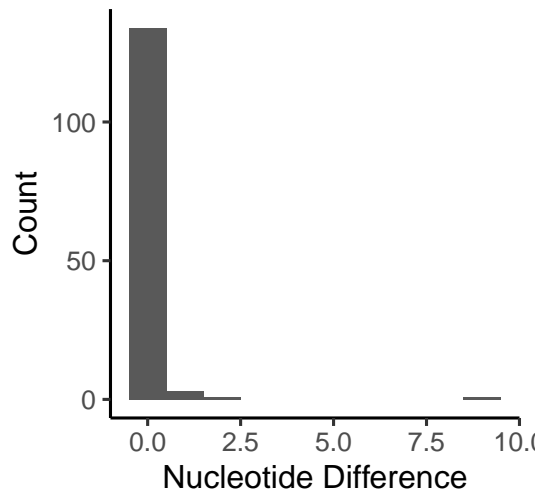
TRBV6-23*ap01

5627 sequences assigned
5547 (98.6%) exact matches, in which:
5366 unique CDR3
13 unique J



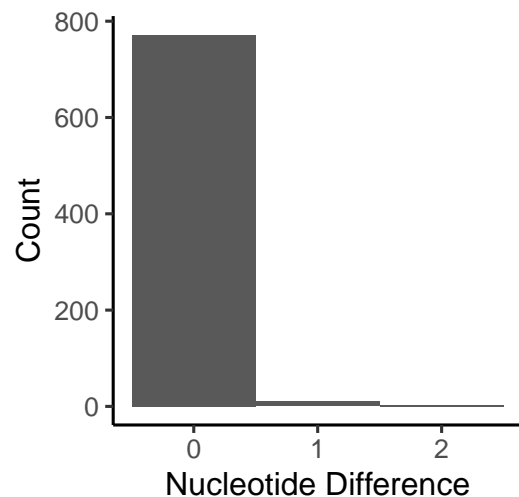
TRBV7-1*ap01_G291C_

139 sequences assigned
134 (96.4%) exact matches, in which:
129 unique CDR3
13 unique J



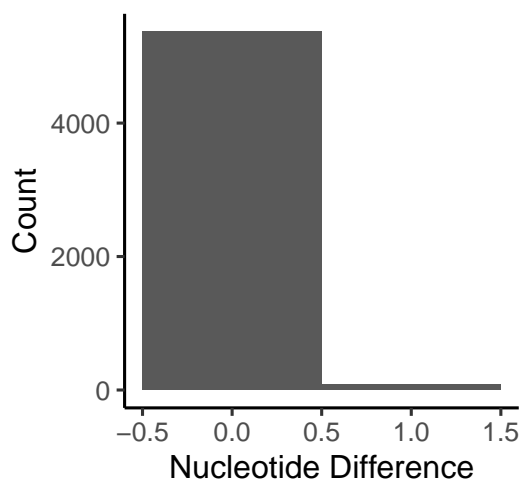
TRBV7-3*ap03

785 sequences assigned
772 (98.3%) exact matches, in which:
752 unique CDR3
13 unique J



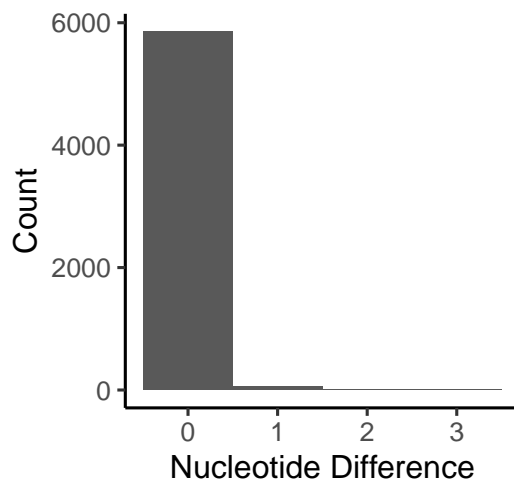
TRBV6-56*ap01

5448 sequences assigned
5369 (98.5%) exact matches, in which:
5192 unique CDR3
13 unique J



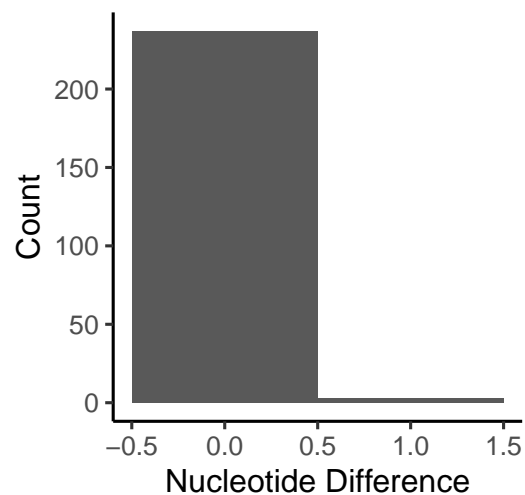
TRBV7-2*ap01

5911 sequences assigned
5853 (99%) exact matches, in which:
5691 unique CDR3
13 unique J



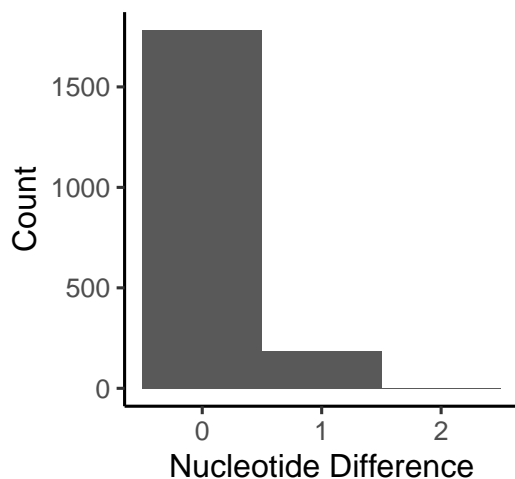
TRBV7-4*ap01

240 sequences assigned
237 (98.8%) exact matches, in which:
227 unique CDR3
13 unique J



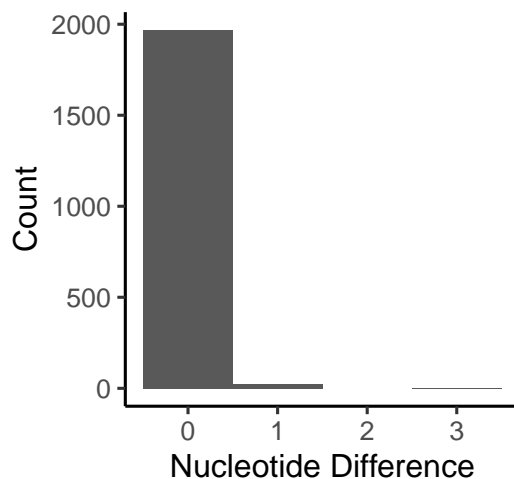
TRBV6-56*ap02

1971 sequences assigned
1783 (90.5%) exact matches, in which:
1720 unique CDR3
13 unique J



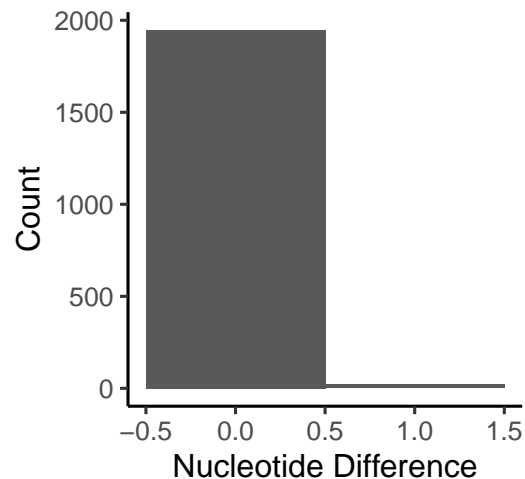
TRBV7-3*ap01

1993 sequences assigned
1968 (98.7%) exact matches, in which:
1933 unique CDR3
13 unique J



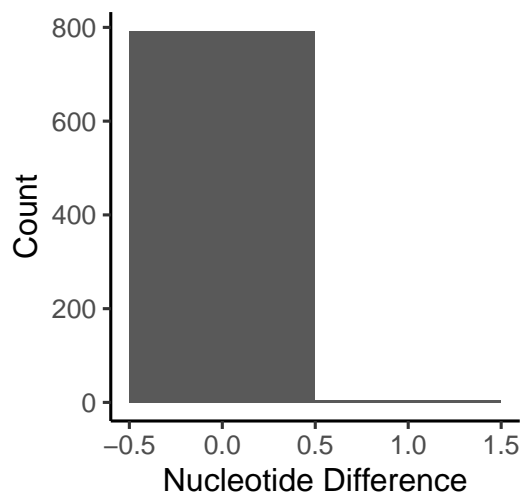
TRBV7-6*ap01

1967 sequences assigned
1947 (99%) exact matches, in which:
1893 unique CDR3
13 unique J



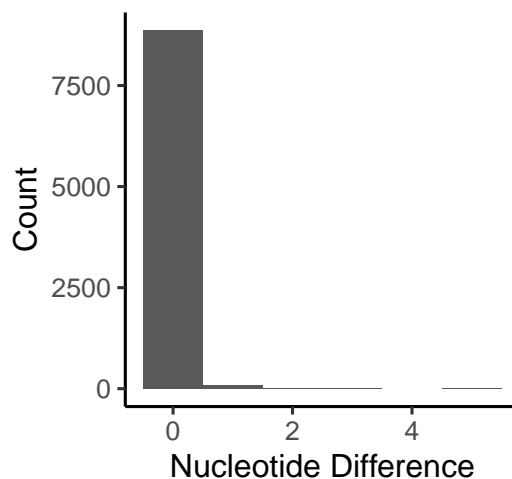
TRBV7-7*ap01_C315T

798 sequences assigned
793 (99.4%) exact matches, in which:
773 unique CDR3
14 unique J



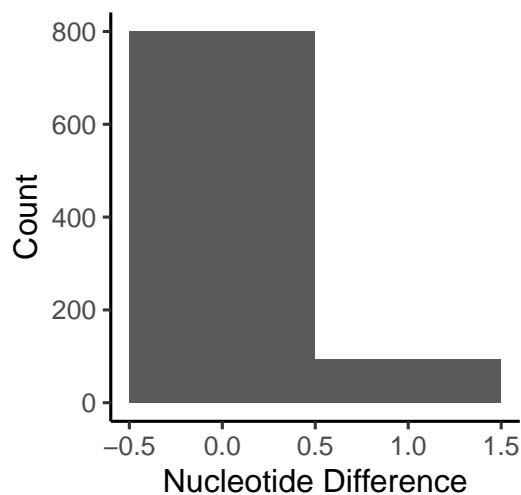
TRBV7-9*ap01

8954 sequences assigned
8864 (99%) exact matches, in which:
8638 unique CDR3
13 unique J



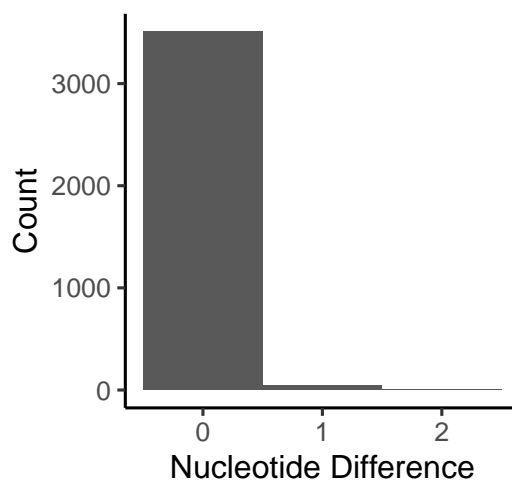
TRBV7-8*ap01

895 sequences assigned
801 (89.5%) exact matches, in which:
770 unique CDR3
13 unique J



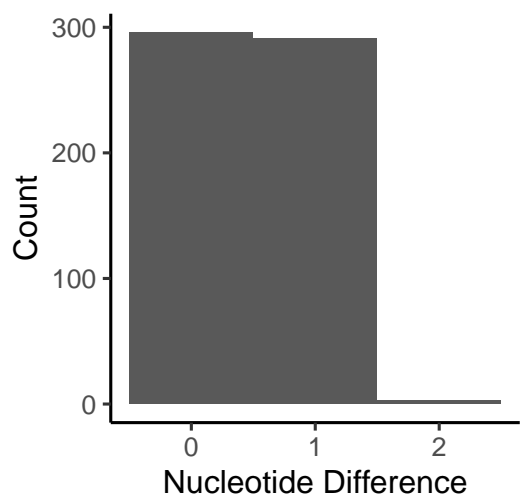
TRBV29-1*ap01

3556 sequences assigned
3508 (98.7%) exact matches, in which:
3382 unique CDR3
13 unique J



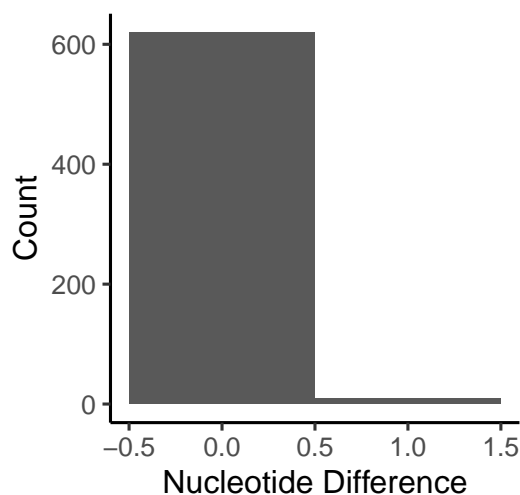
TRBV7-8*ap03

590 sequences assigned
296 (50.2%) exact matches, in which:
286 unique CDR3
13 unique J

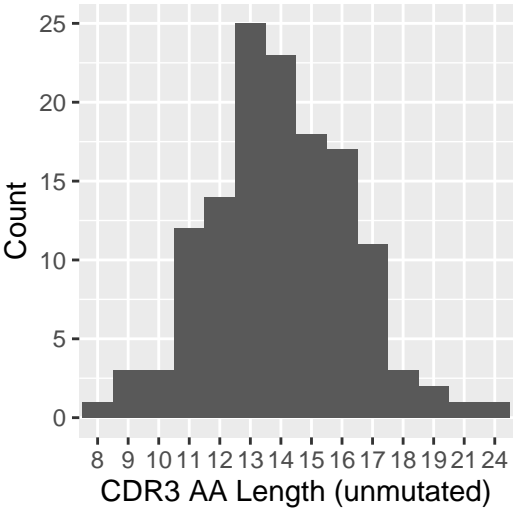


TRBV29-1*ap02

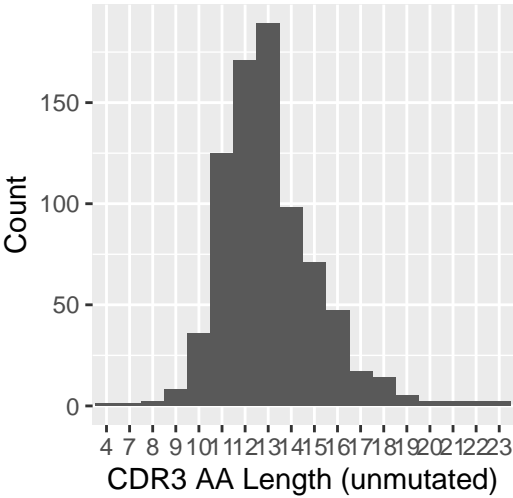
630 sequences assigned
620 (98.4%) exact matches, in which:
601 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]