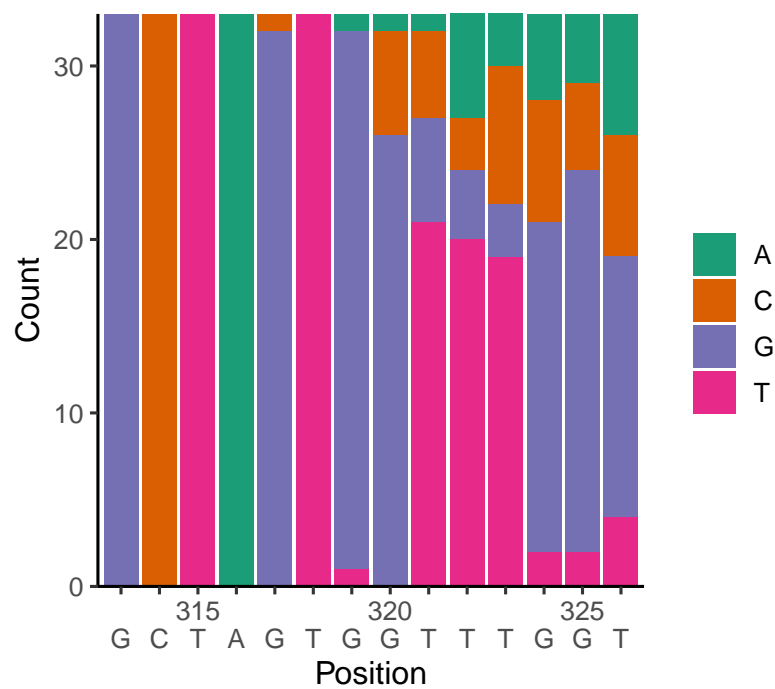
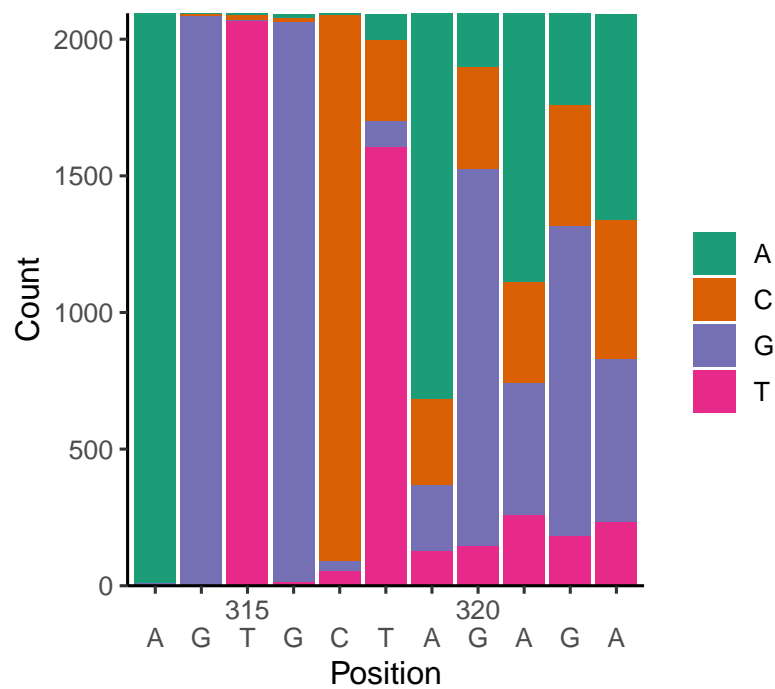


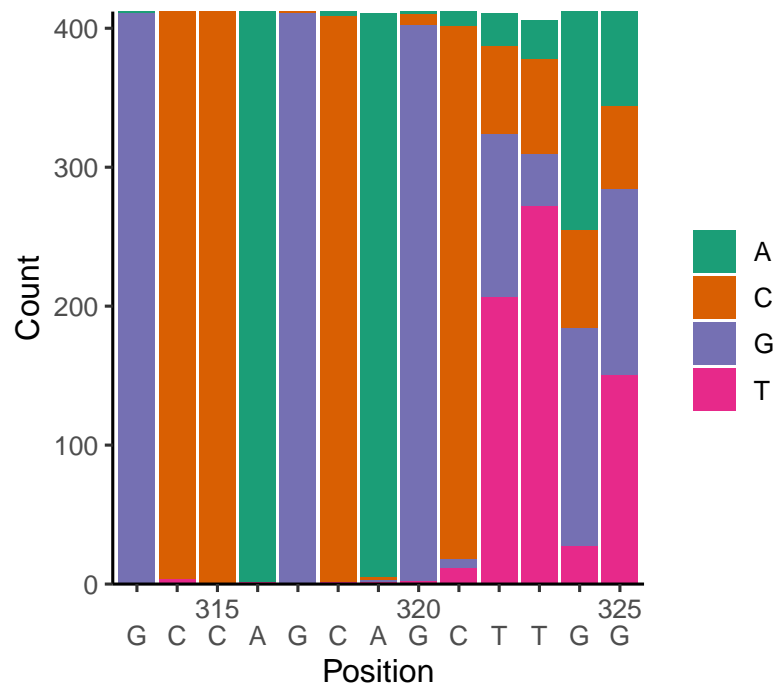
Gene TRBV12-5*01_C28G



Gene TRBV20-1*02_319AGAGA323



Gene TRBV5-6*01_T284G



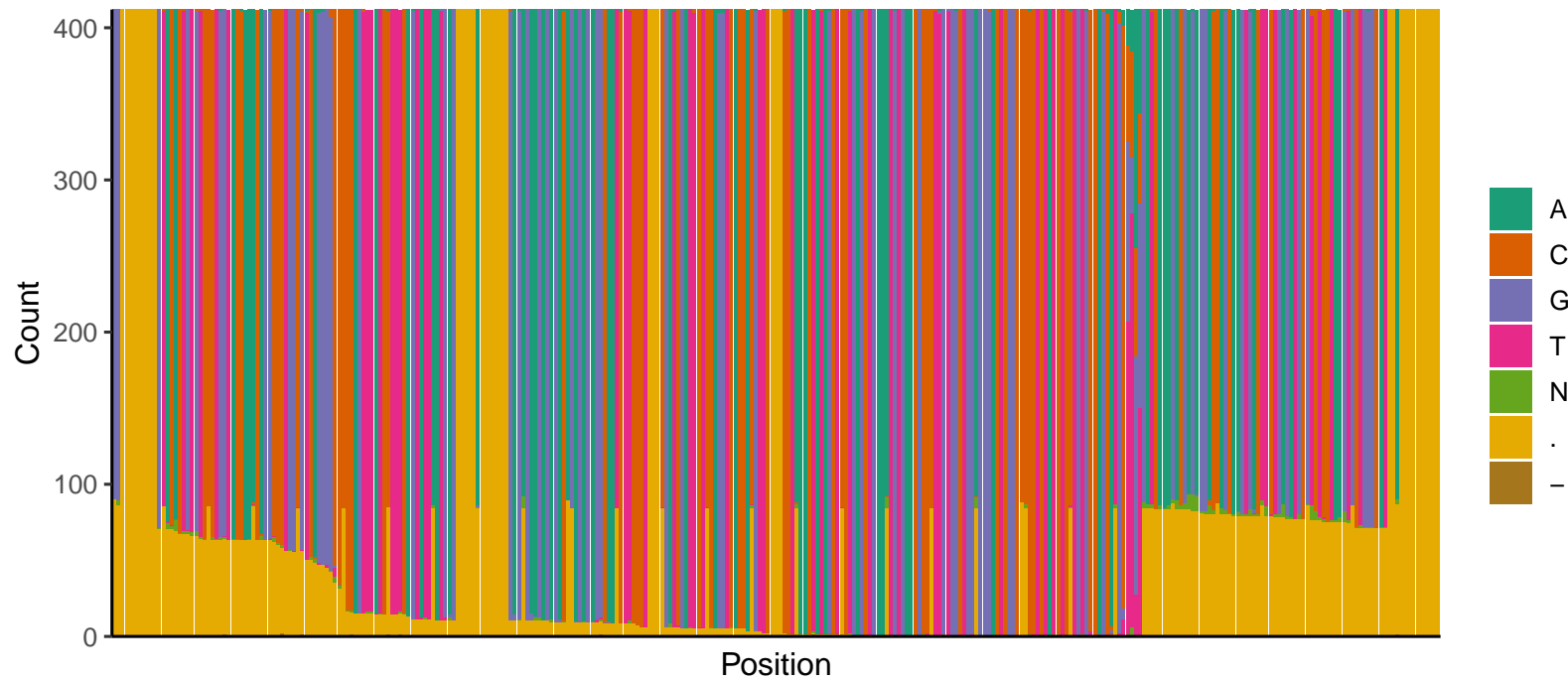
Gene TRBV12-5*01_C28G



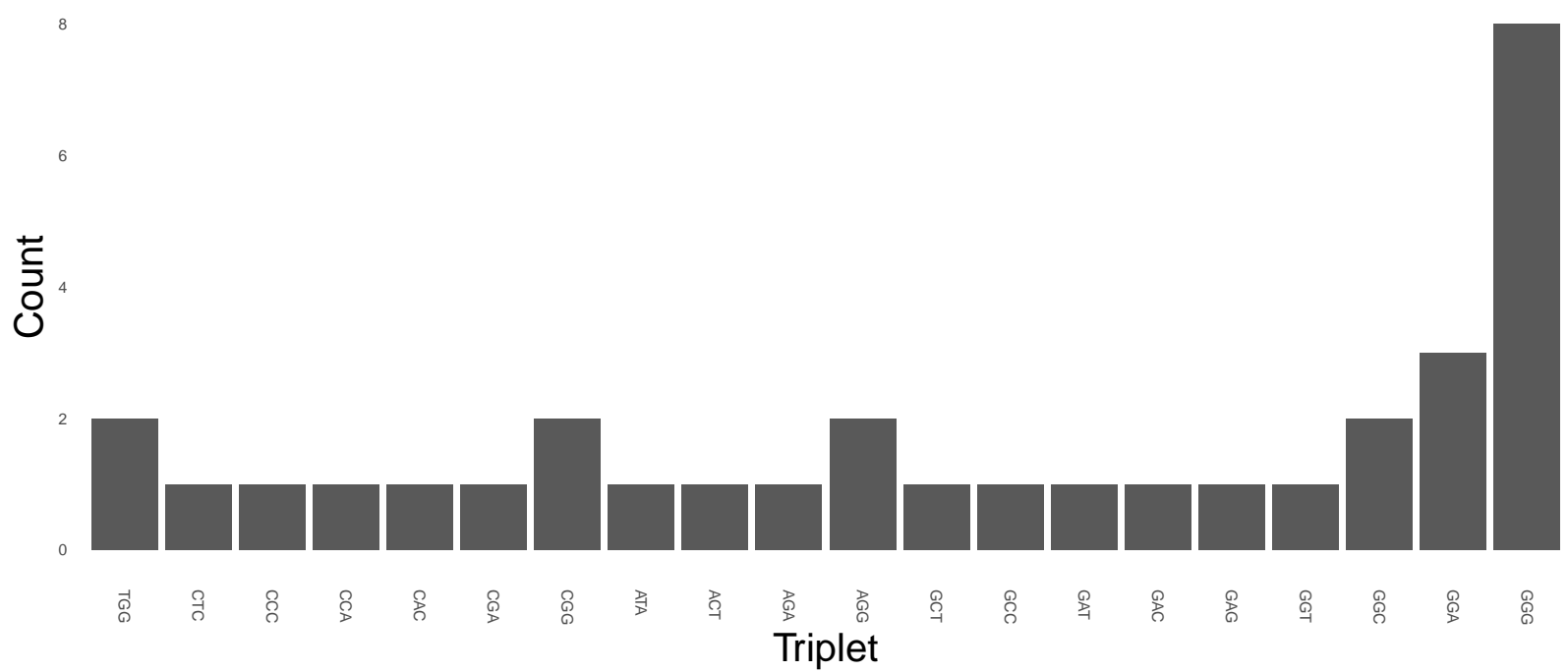
Gene TRBV20-1*02_319AGAGA323



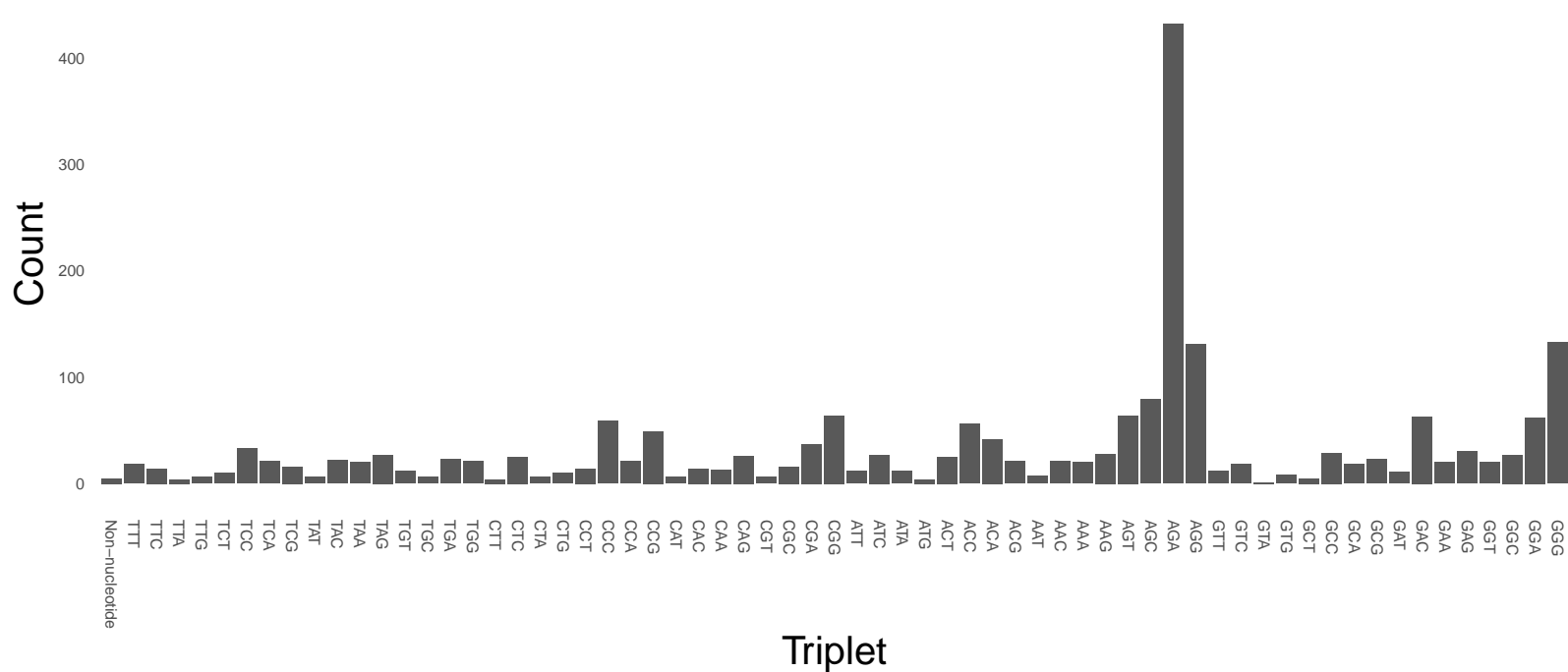
Gene TRBV5-6*01_T284G



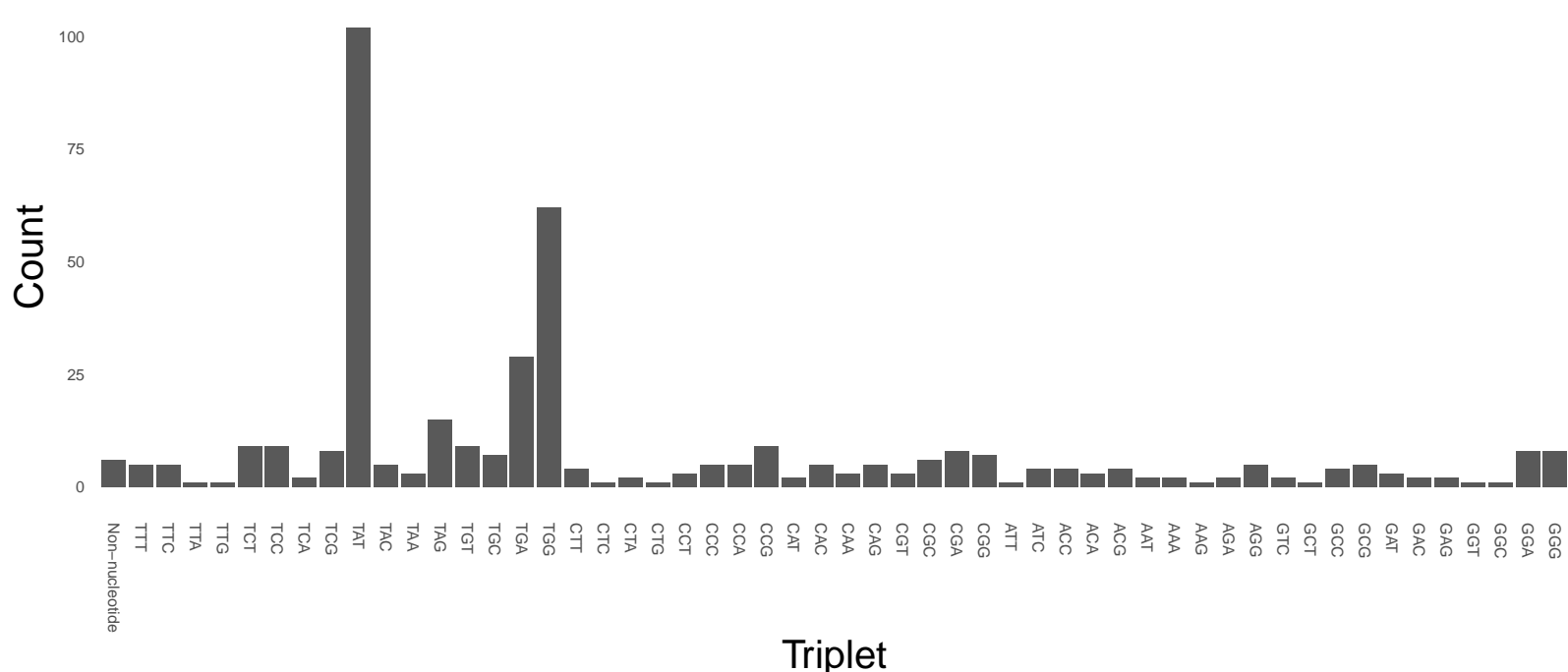
TRBV12-5*01_C28G- Final 3 nucleotides as a triplet



TRBV20-1*02_319AGAGA323- Final 3 nucleotides as a triplet

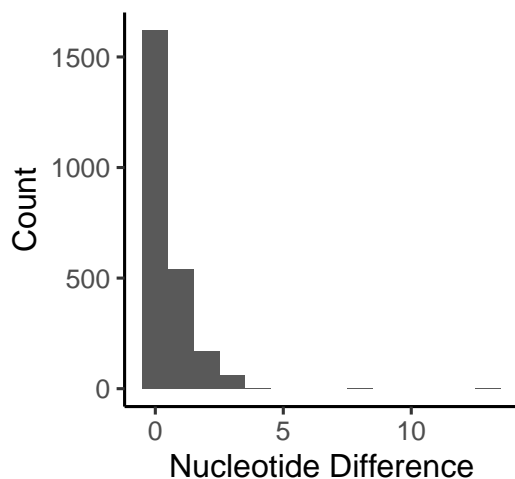


TRBV5-6*01_T284G- Final 3 nucleotides as a triplet



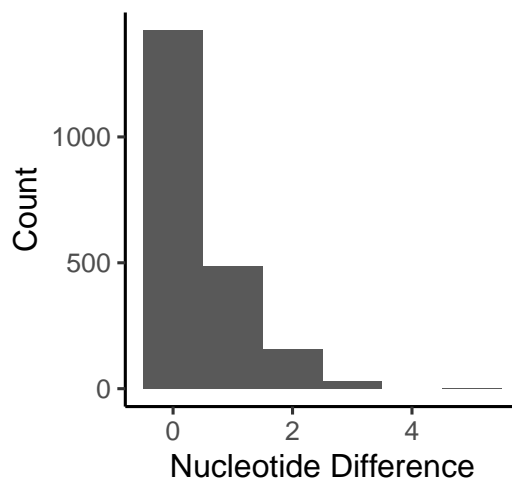
TRBV20-1*01

2400 sequences assigned
1620 (67.5%) exact matches, in which:
1566 unique CDR3
13 unique J



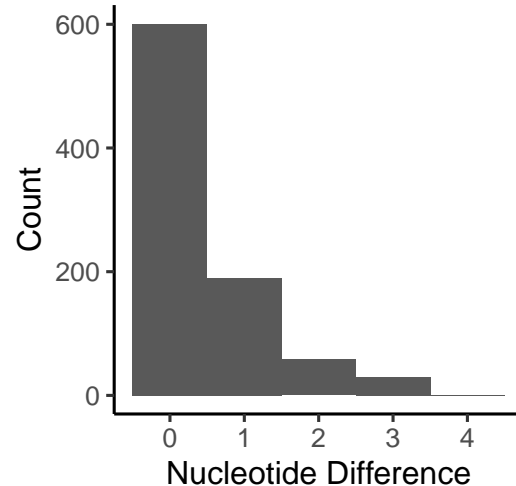
TRBV20-1*02_319AGA(

2095 sequences assigned
1423 (67.9%) exact matches, in which:
1364 unique CDR3
13 unique J



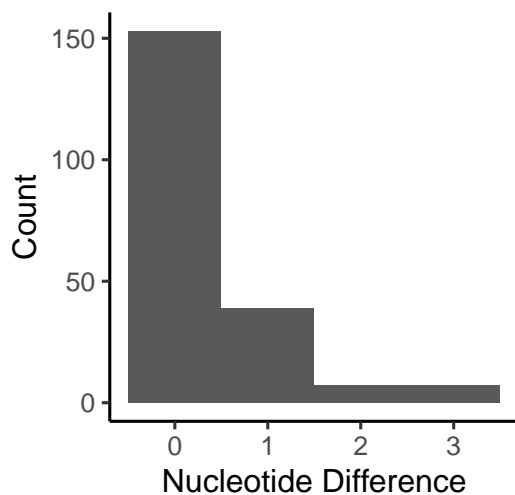
TRBV10-3*01

880 sequences assigned
601 (68.3%) exact matches, in which:
553 unique CDR3
13 unique J



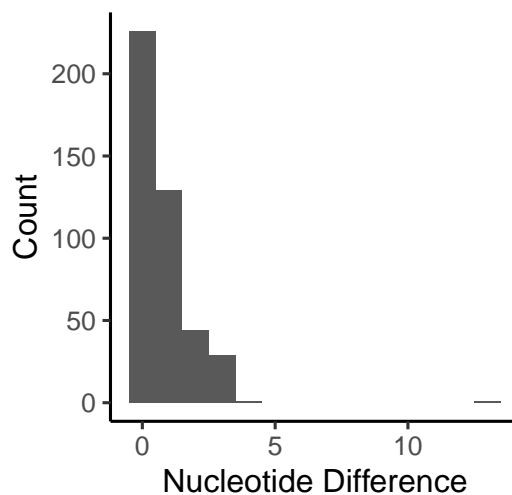
TRBV10-1*01

206 sequences assigned
153 (74.3%) exact matches, in which:
137 unique CDR3
12 unique J



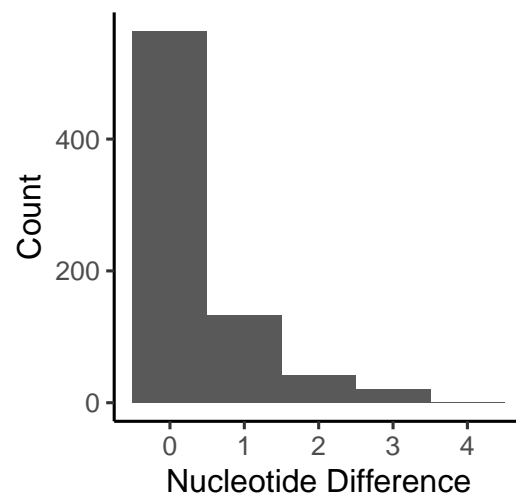
TRBV10-2*01

432 sequences assigned
226 (52.3%) exact matches, in which:
147 unique CDR3
12 unique J



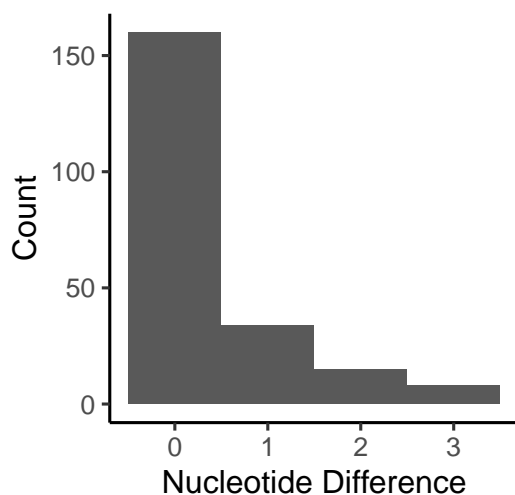
TRBV10-3*02

760 sequences assigned
564 (74.2%) exact matches, in which:
526 unique CDR3
13 unique J



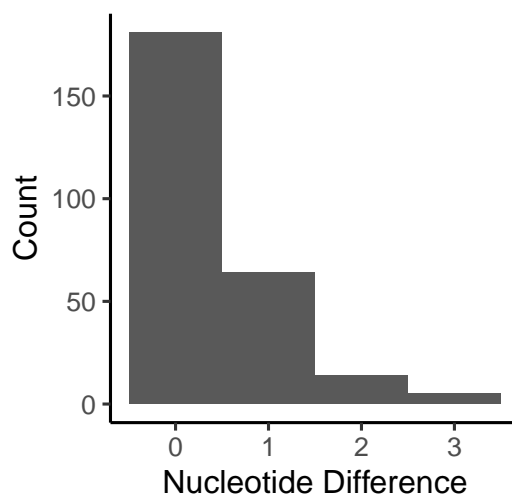
TRBV10-1*02

218 sequences assigned
160 (73.4%) exact matches, in which:
150 unique CDR3
12 unique J



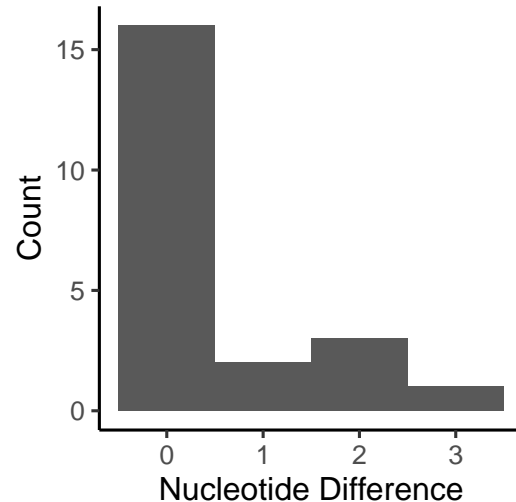
TRBV10-2*02

264 sequences assigned
181 (68.6%) exact matches, in which:
139 unique CDR3
13 unique J



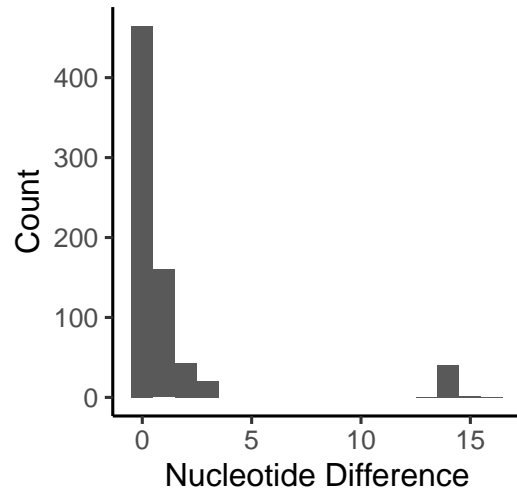
TRBV1*01

22 sequences assigned
16 (72.7%) exact matches, in which:
13 unique CDR3
6 unique J



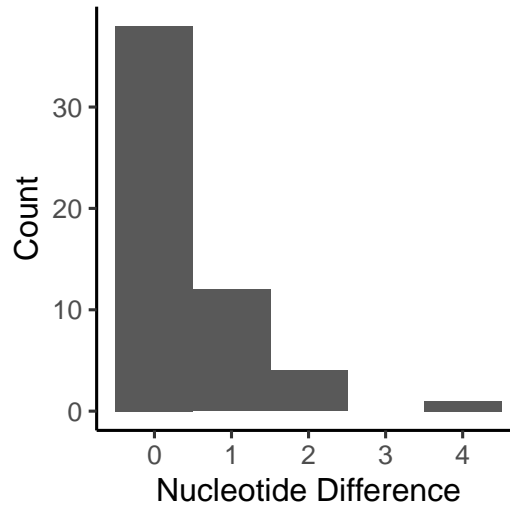
TRBV13*01

734 sequences assigned
465 (63.4%) exact matches, in which:
398 unique CDR3
13 unique J



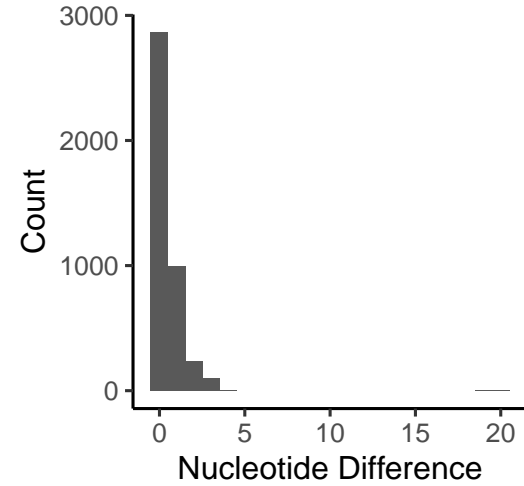
TRBV16*01

55 sequences assigned
38 (69.1%) exact matches, in which:
36 unique CDR3
10 unique J



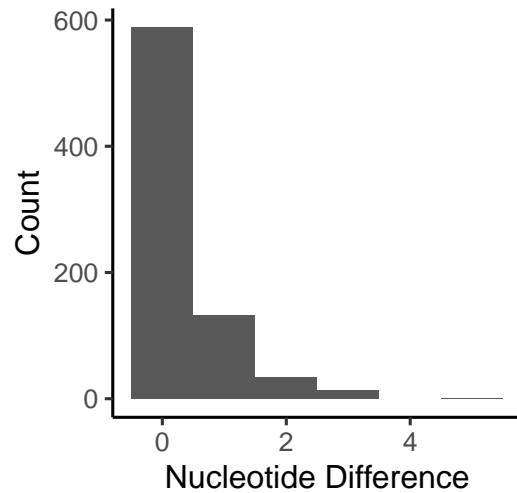
TRBV2*01

4213 sequences assigned
2864 (68%) exact matches, in which:
2411 unique CDR3
13 unique J



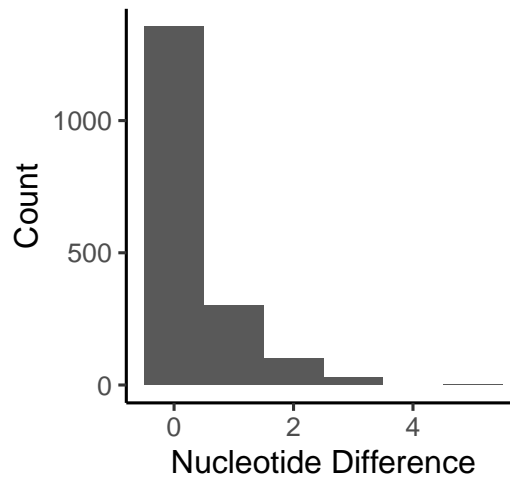
TRBV14*01

772 sequences assigned
589 (76.3%) exact matches, in which:
526 unique CDR3
13 unique J



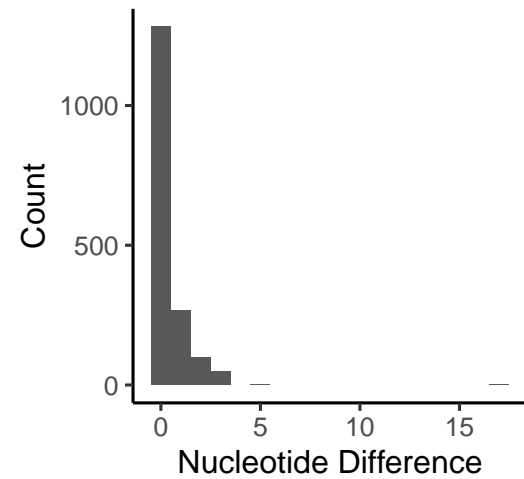
TRBV18*01

1791 sequences assigned
1355 (75.7%) exact matches, in which:
1211 unique CDR3
13 unique J



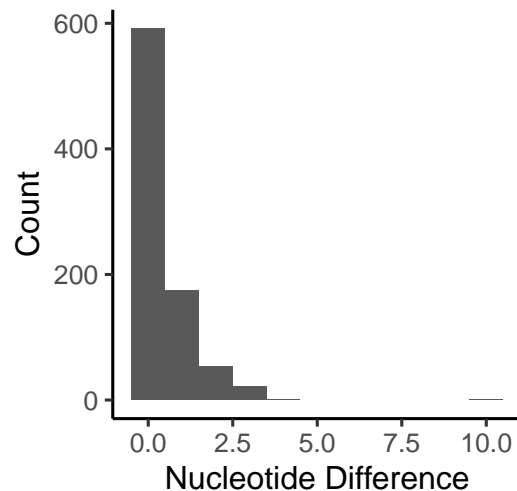
TRBV27*01

1696 sequences assigned
1282 (75.6%) exact matches, in which:
1212 unique CDR3
13 unique J



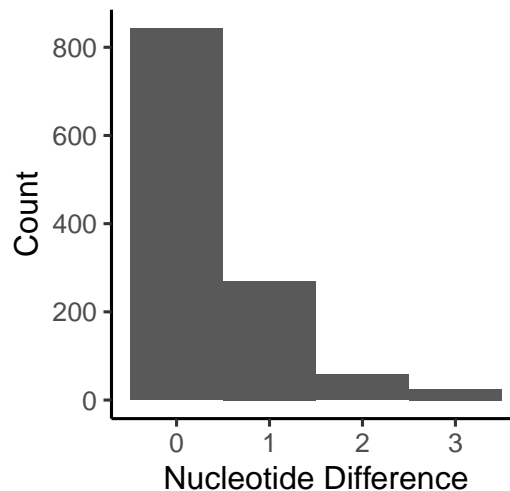
TRBV15*02

844 sequences assigned
592 (70.1%) exact matches, in which:
558 unique CDR3
13 unique J



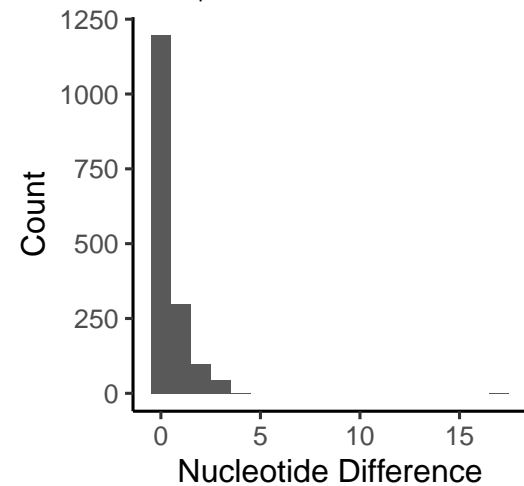
TRBV19*01

1196 sequences assigned
843 (70.5%) exact matches, in which:
672 unique CDR3
13 unique J



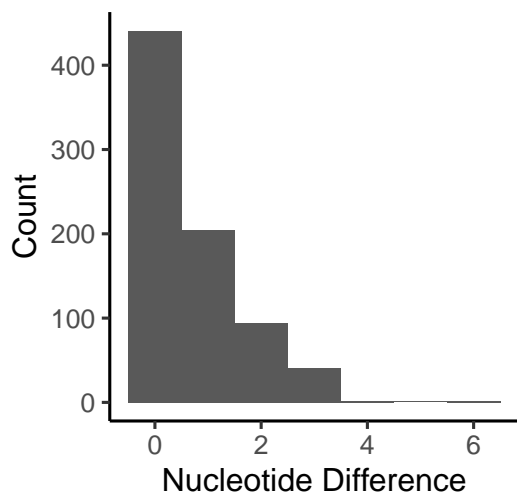
TRBV28*01

1640 sequences assigned
1197 (73%) exact matches, in which:
1062 unique CDR3
13 unique J



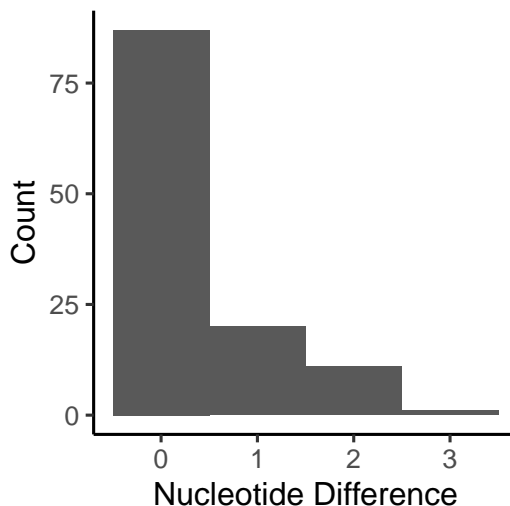
TRBV30*01

786 sequences assigned
441 (56.1%) exact matches, in which:
360 unique CDR3
13 unique J



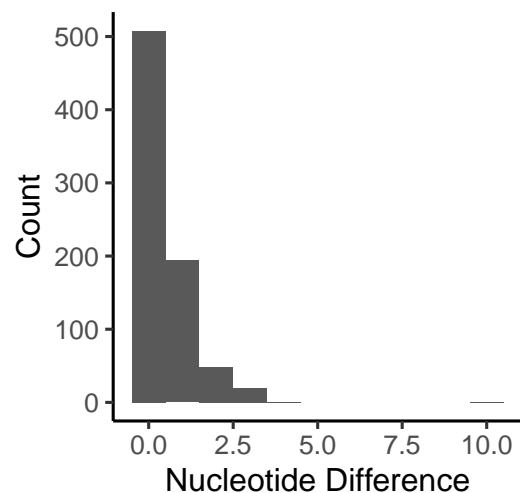
TRBV11-1*01

119 sequences assigned
87 (73.1%) exact matches, in which:
85 unique CDR3
13 unique J



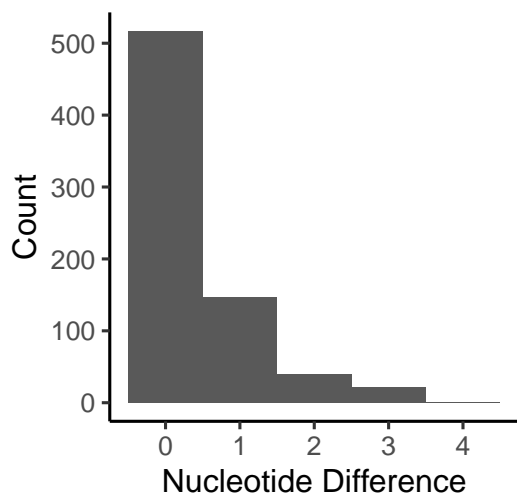
TRBV11-2*01

773 sequences assigned
508 (65.7%) exact matches, in which:
395 unique CDR3
13 unique J



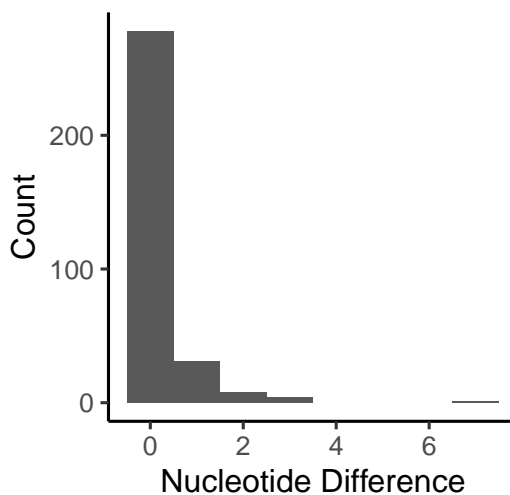
TRBV9*01

727 sequences assigned
517 (71.1%) exact matches, in which:
487 unique CDR3
13 unique J



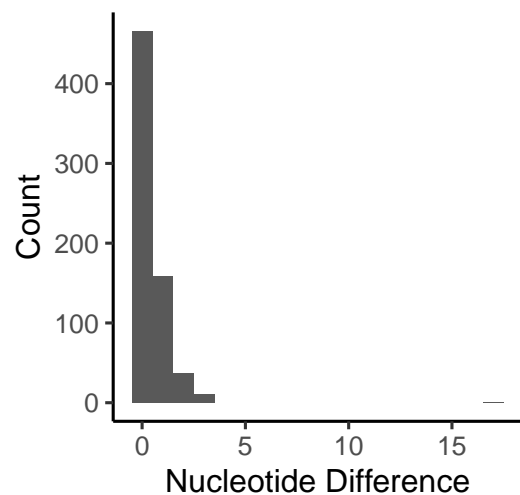
TRBV21-1*01

323 sequences assigned
278 (86.1%) exact matches, in which:
263 unique CDR3
13 unique J



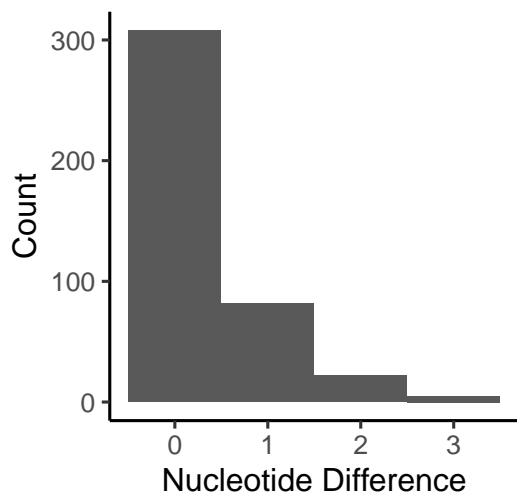
TRBV11-2*03

674 sequences assigned
466 (69.1%) exact matches, in which:
436 unique CDR3
13 unique J



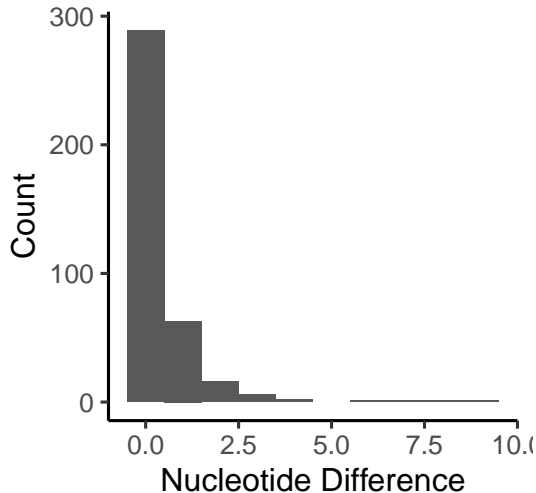
TRBV9*02

417 sequences assigned
308 (73.9%) exact matches, in which:
287 unique CDR3
13 unique J



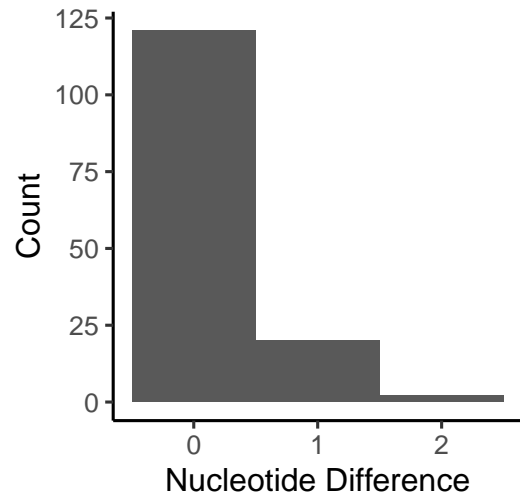
TRBV21-1*02

380 sequences assigned
289 (76.1%) exact matches, in which:
260 unique CDR3
13 unique J



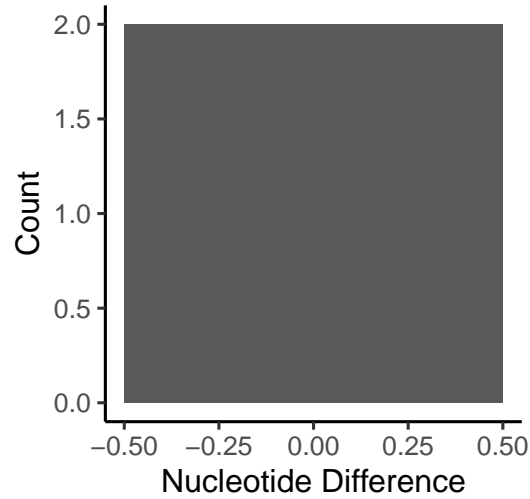
TRBV11-3*01

143 sequences assigned
121 (84.6%) exact matches, in which:
103 unique CDR3
12 unique J



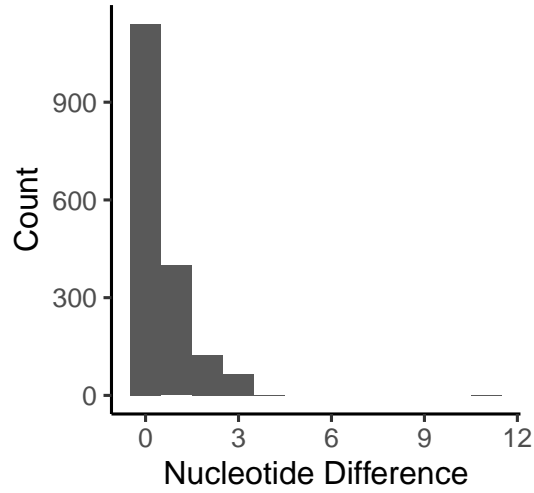
TRBV12-1*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



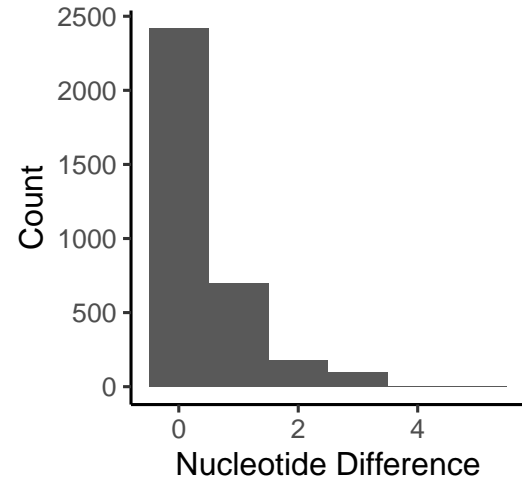
TRBV12-4*01

1733 sequences assigned
1141 (65.8%) exact matches, in which:
1015 unique CDR3
13 unique J



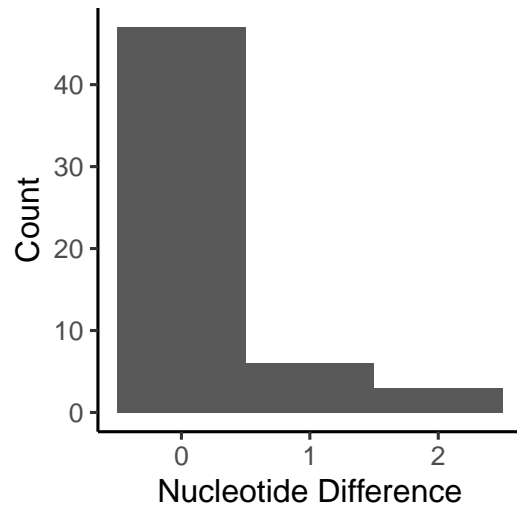
TRBV3-1*01

3395 sequences assigned
2418 (71.2%) exact matches, in which:
2044 unique CDR3
13 unique J



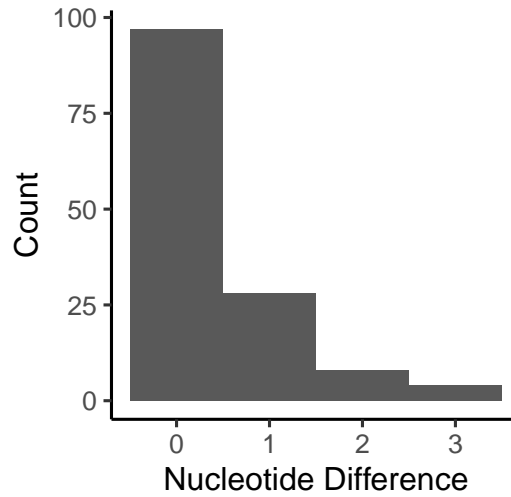
TRBV12-2*01

56 sequences assigned
47 (83.9%) exact matches, in which:
44 unique CDR3
10 unique J



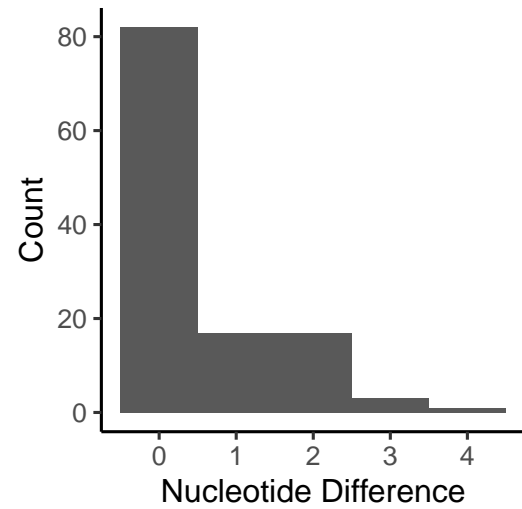
TRBV12-5*01

137 sequences assigned
97 (70.8%) exact matches, in which:
92 unique CDR3
13 unique J



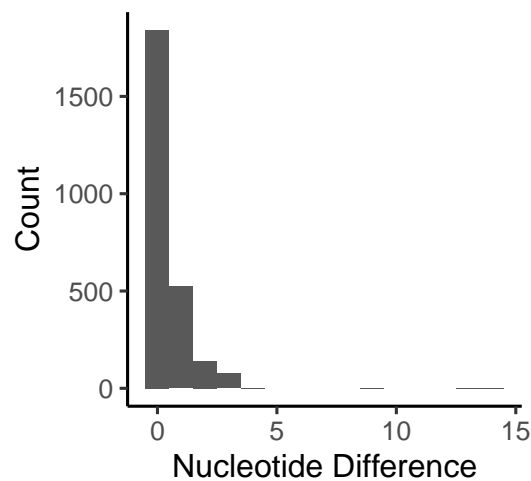
TRBV23-1*01

122 sequences assigned
82 (67.2%) exact matches, in which:
77 unique CDR3
12 unique J



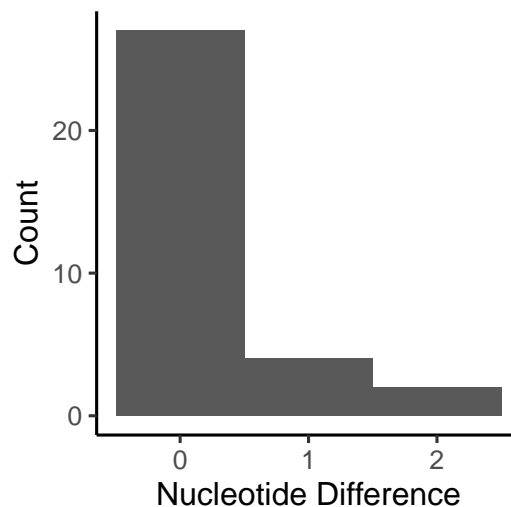
TRBV12-3*01

2585 sequences assigned
1841 (71.2%) exact matches, in which:
1719 unique CDR3
13 unique J



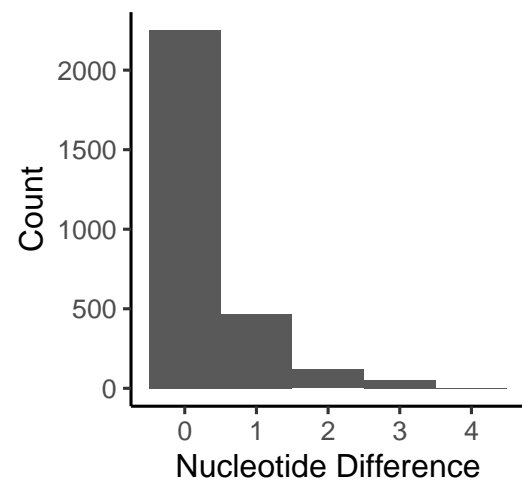
TRBV12-5*01_C28G

33 sequences assigned
27 (81.8%) exact matches, in which:
27 unique CDR3
8 unique J



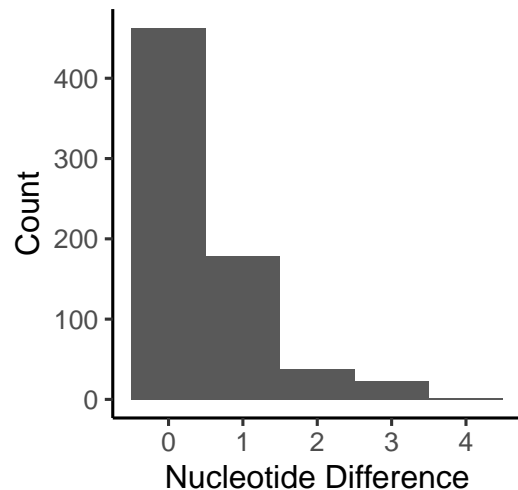
TRBV4-1*01

2893 sequences assigned
2252 (77.8%) exact matches, in which:
2063 unique CDR3
13 unique J



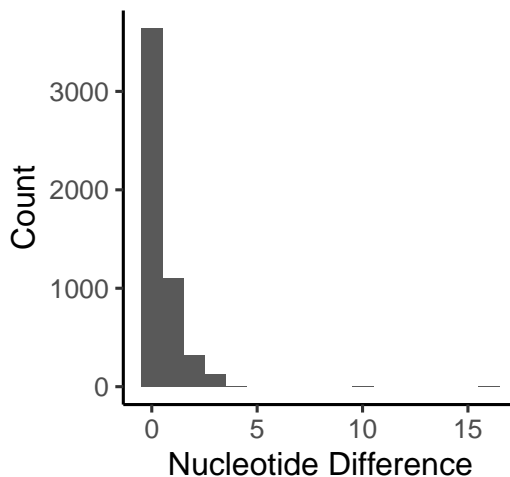
TRBV24-1*01

705 sequences assigned
463 (65.7%) exact matches, in which:
401 unique CDR3
12 unique J



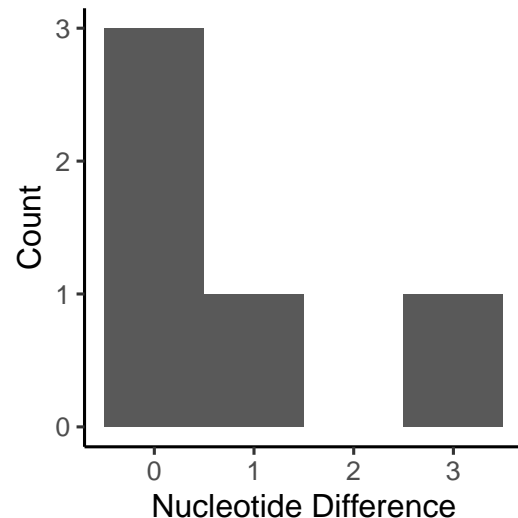
TRBV5-1*01

5197 sequences assigned
3640 (70%) exact matches, in which:
3427 unique CDR3
13 unique J



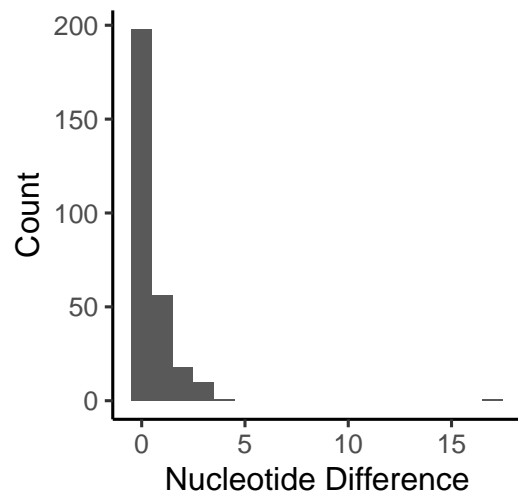
TRBV5-3*02

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
2 unique J



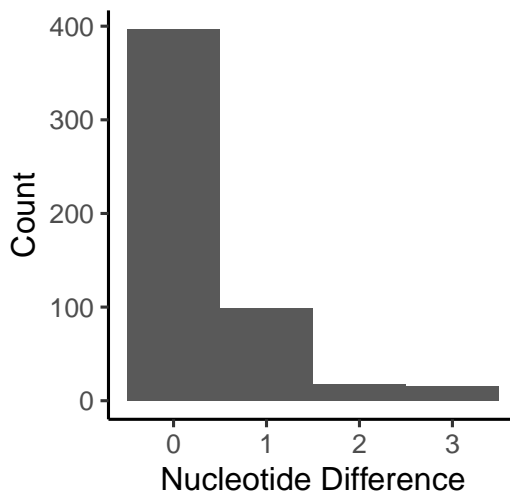
TRBV24-1*02

284 sequences assigned
198 (69.7%) exact matches, in which:
181 unique CDR3
12 unique J



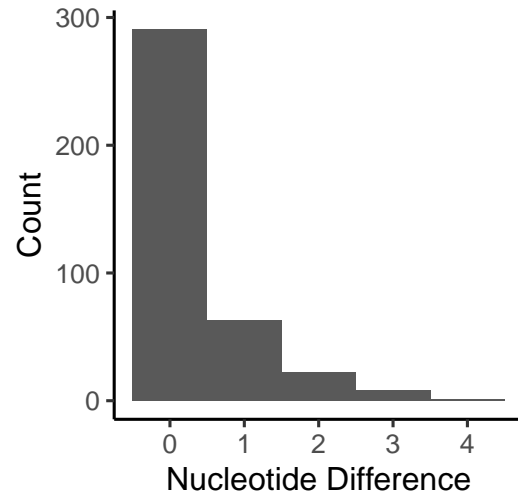
TRBV25-1*01

529 sequences assigned
397 (75%) exact matches, in which:
361 unique CDR3
13 unique J



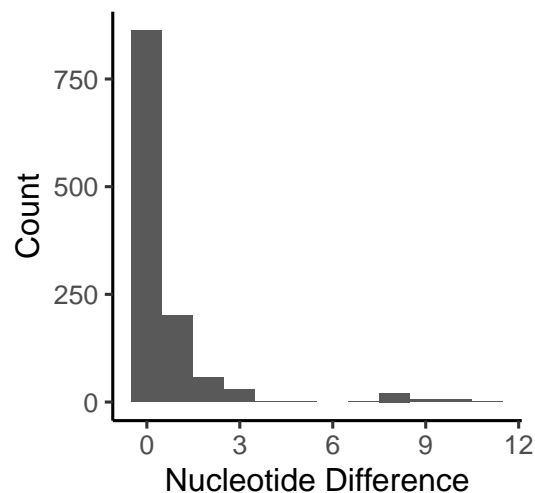
TRBV5-4*01

387 sequences assigned
291 (75.2%) exact matches, in which:
271 unique CDR3
13 unique J



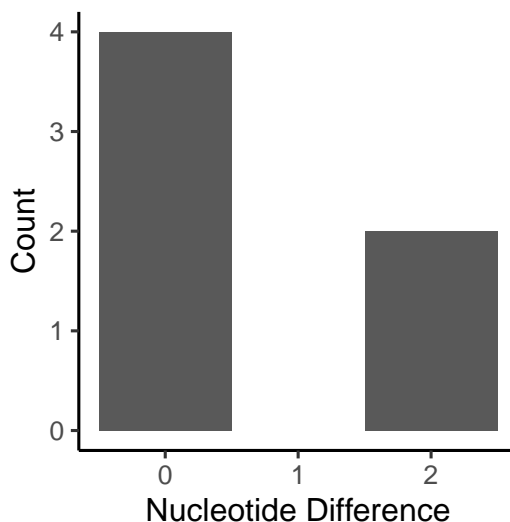
TRBV4-2*01

1187 sequences assigned
863 (72.7%) exact matches, in which:
766 unique CDR3
13 unique J



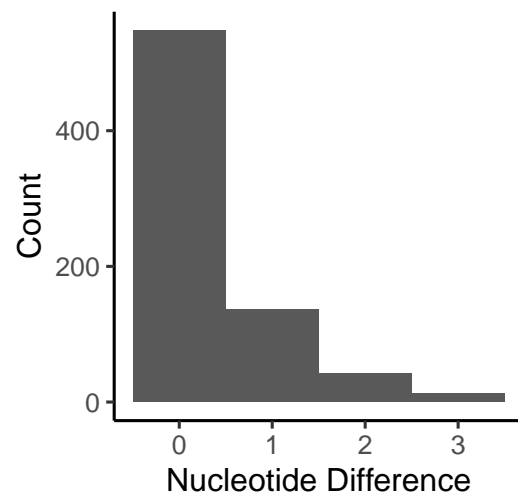
TRBV5-3*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
4 unique J



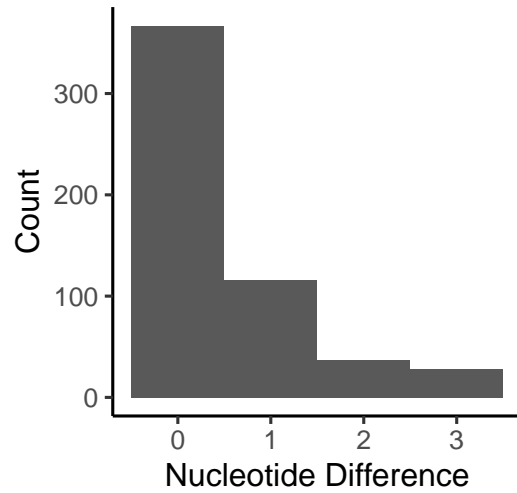
TRBV5-5*01

741 sequences assigned
548 (74%) exact matches, in which:
528 unique CDR3
13 unique J



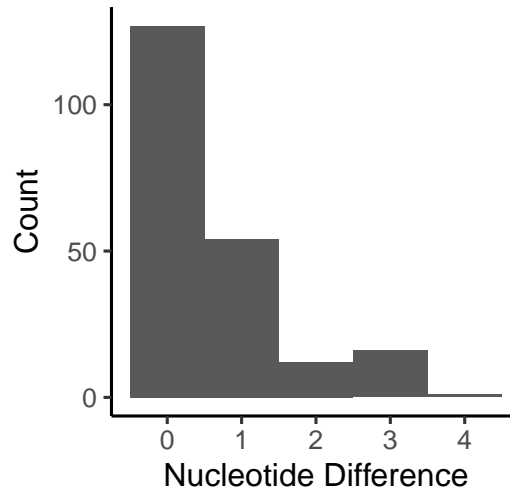
TRBV5-6*01

548 sequences assigned
367 (67%) exact matches, in which:
297 unique CDR3
13 unique J



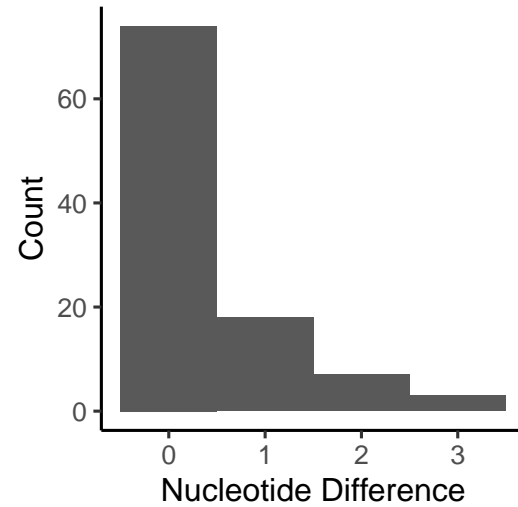
TRBV5-8*01

210 sequences assigned
127 (60.5%) exact matches, in which:
86 unique CDR3
12 unique J



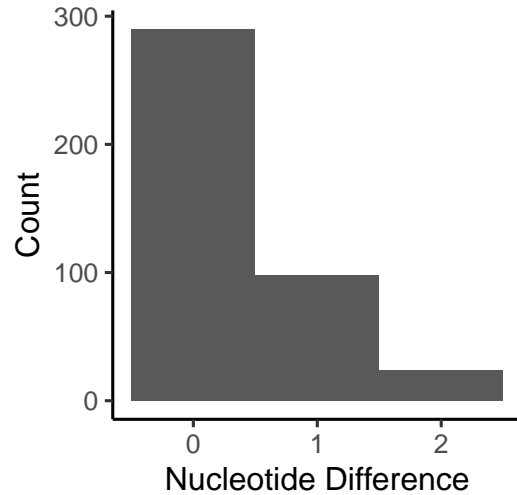
TRBV6-4*02

102 sequences assigned
74 (72.5%) exact matches, in which:
70 unique CDR3
12 unique J



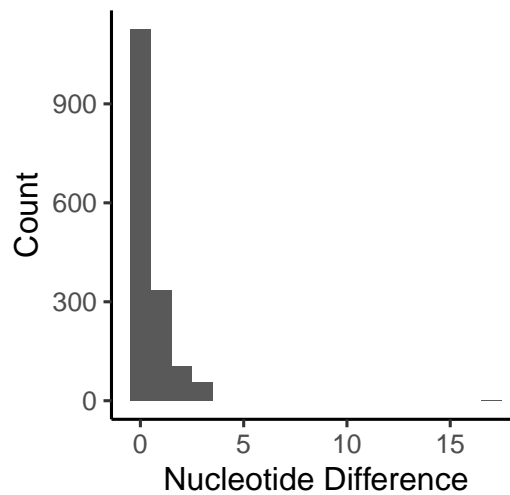
TRBV5-6*01_T284G

412 sequences assigned
290 (70.4%) exact matches, in which:
232 unique CDR3
13 unique J



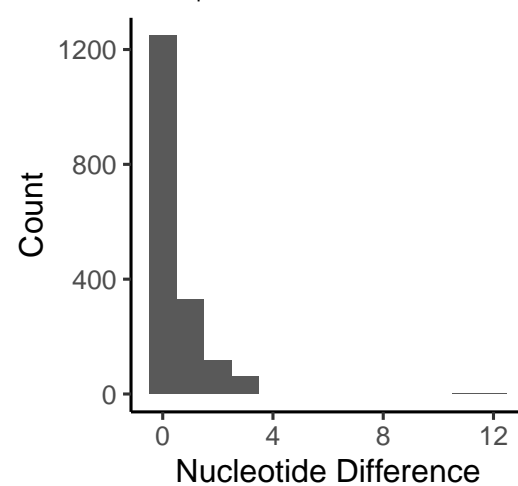
TRBV6-1*01

1634 sequences assigned
1127 (69%) exact matches, in which:
1009 unique CDR3
13 unique J



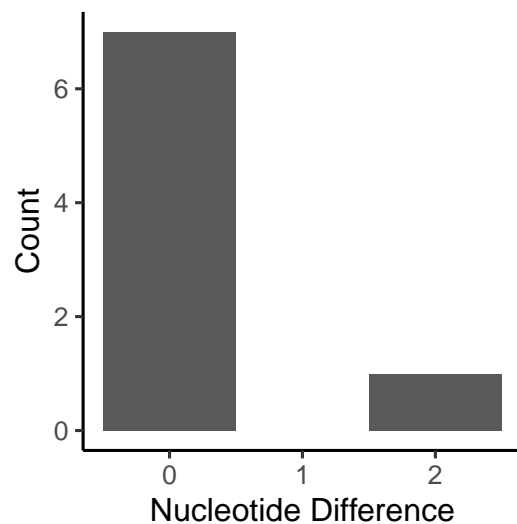
TRBV6-5*01

1760 sequences assigned
1248 (70.9%) exact matches, in which:
1178 unique CDR3
13 unique J



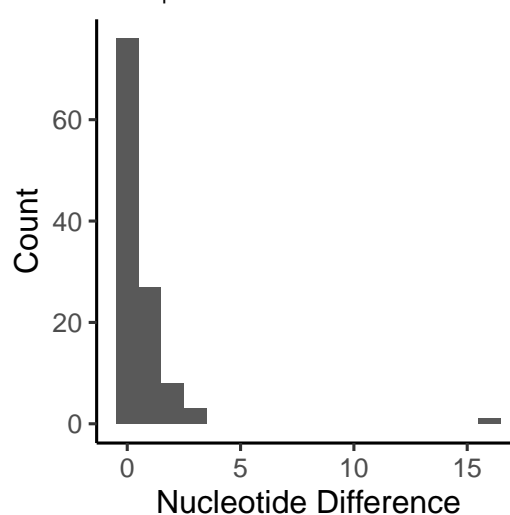
TRBV5-7*01

8 sequences assigned
7 (87.5%) exact matches, in which:
6 unique CDR3
5 unique J



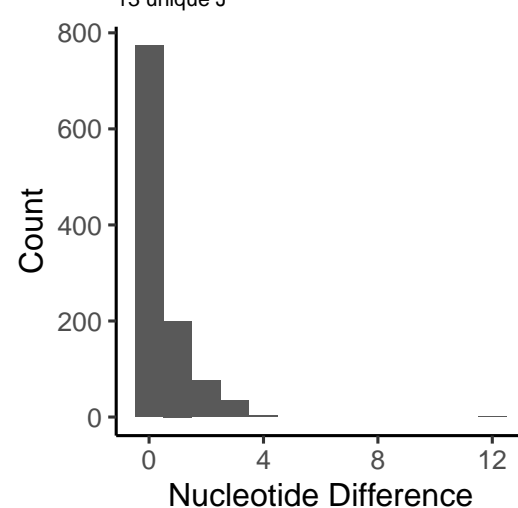
TRBV6-4*01

115 sequences assigned
76 (66.1%) exact matches, in which:
69 unique CDR3
13 unique J



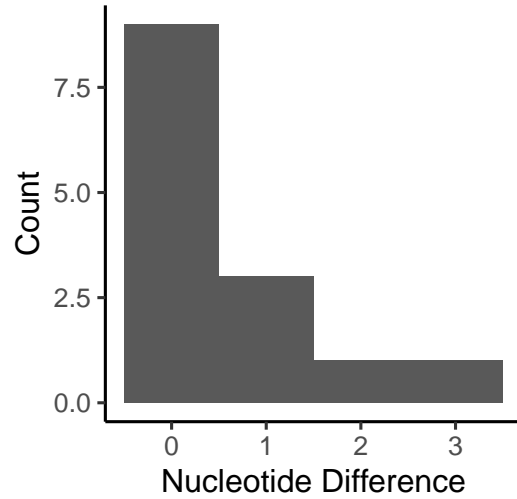
TRBV6-6*02

1093 sequences assigned
774 (70.8%) exact matches, in which:
703 unique CDR3
13 unique J



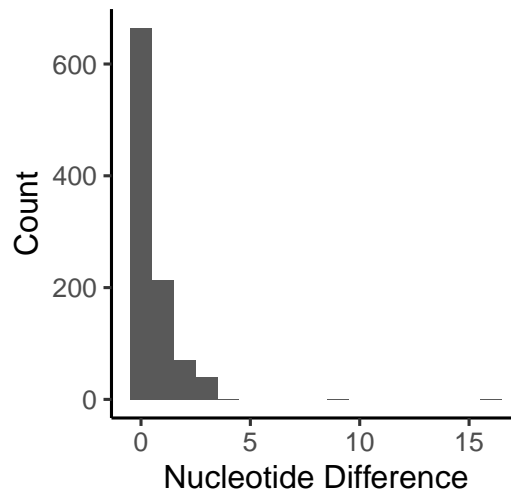
TRBV6-7*01

14 sequences assigned
9 (64.3%) exact matches, in which:
9 unique CDR3
7 unique J



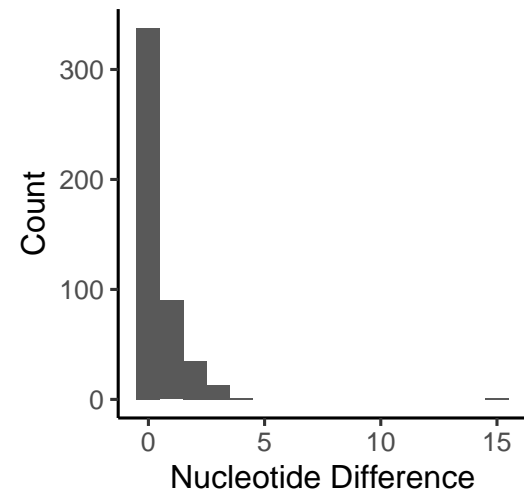
TRBV6-23*01

992 sequences assigned
665 (67%) exact matches, in which:
604 unique CDR3
13 unique J



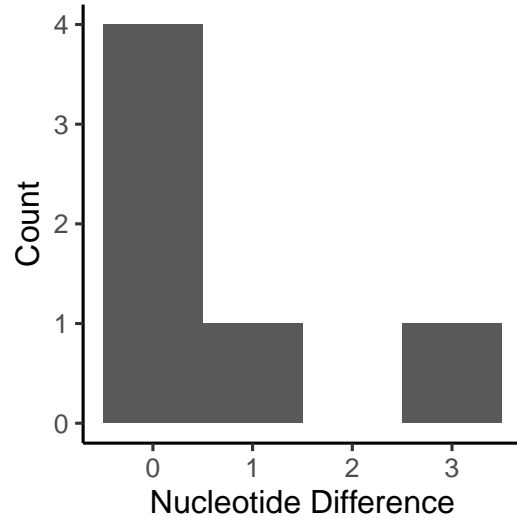
TRBV7-3*01

480 sequences assigned
338 (70.4%) exact matches, in which:
317 unique CDR3
13 unique J



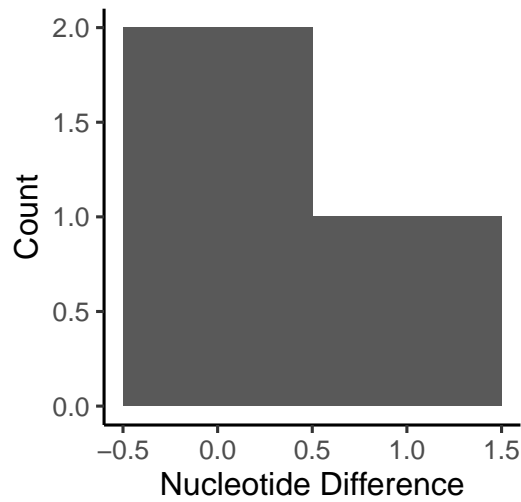
TRBV6-8*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
4 unique J



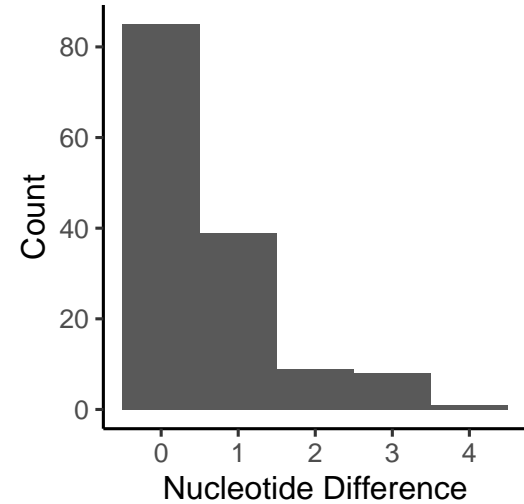
TRBV7-1*01

4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
1 unique J



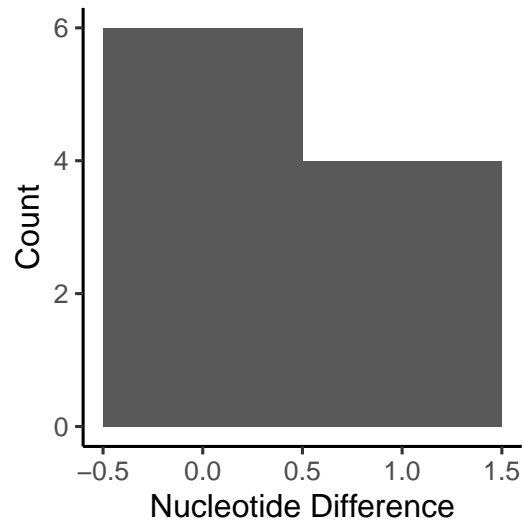
TRBV7-3*03

143 sequences assigned
85 (59.4%) exact matches, in which:
72 unique CDR3
13 unique J



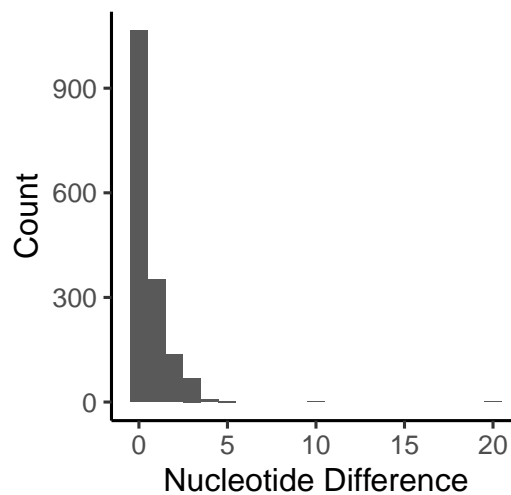
TRBV6-9*01

10 sequences assigned
6 (60%) exact matches, in which:
6 unique CDR3
5 unique J



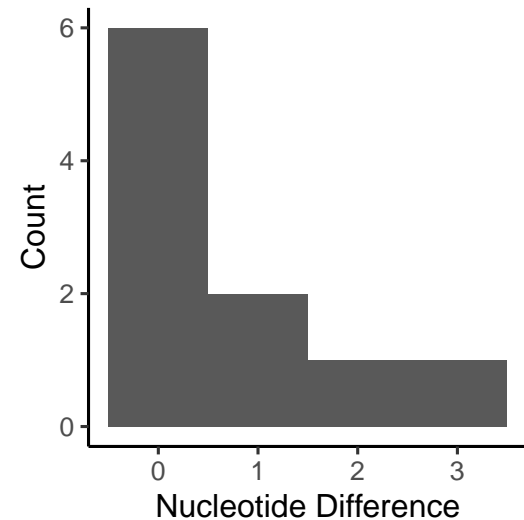
TRBV7-2*02

1637 sequences assigned
1066 (65.1%) exact matches, in which:
957 unique CDR3
13 unique J



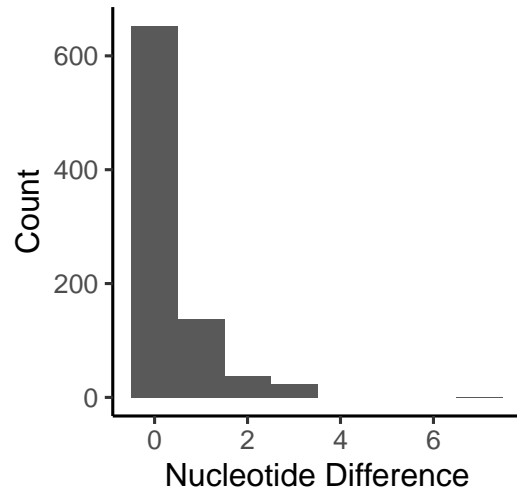
TRBV7-4*01

10 sequences assigned
6 (60%) exact matches, in which:
6 unique CDR3
3 unique J



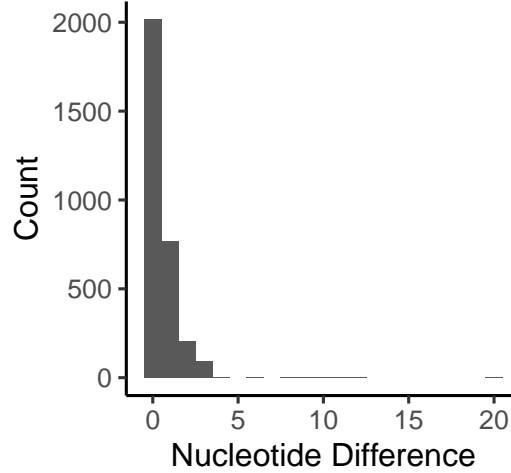
TRBV7-6*01

855 sequences assigned
653 (76.4%) exact matches, in which:
562 unique CDR3
13 unique J



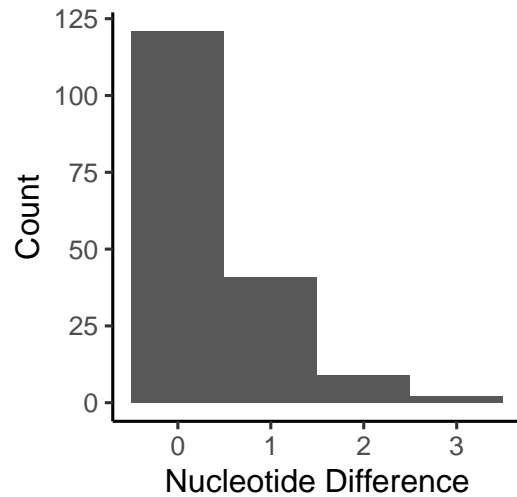
TRBV7-9*03

3091 sequences assigned
2016 (65.2%) exact matches, in which:
1663 unique CDR3
13 unique J



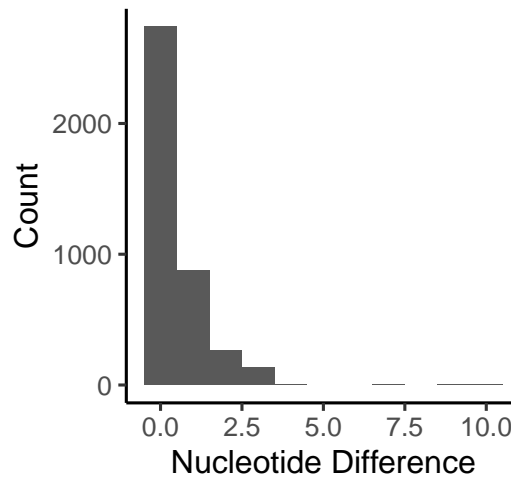
TRBV7-7*01

173 sequences assigned
121 (69.9%) exact matches, in which:
115 unique CDR3
12 unique J



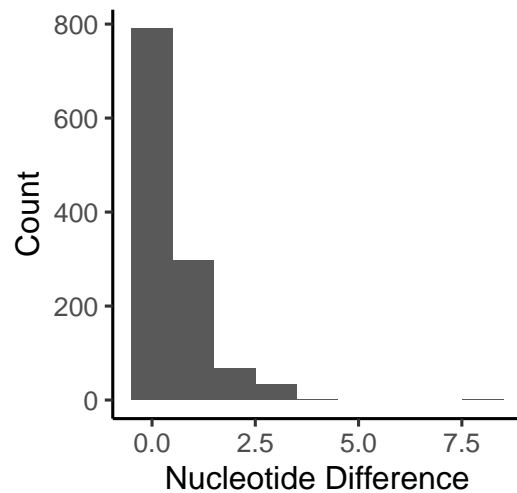
TRBV29-1*01

4015 sequences assigned
2740 (68.2%) exact matches, in which:
2394 unique CDR3
13 unique J

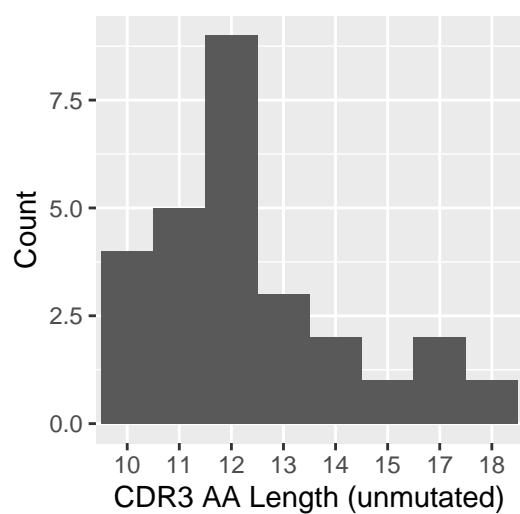


TRBV7-8*01

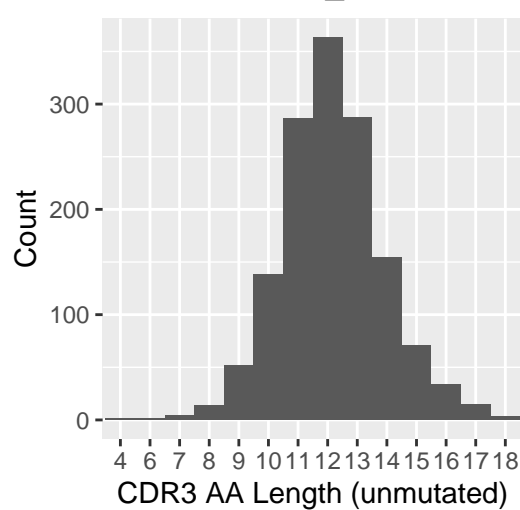
1191 sequences assigned
791 (66.4%) exact matches, in which:
679 unique CDR3
13 unique J



TRBV12-5*01_C28G



TRBV20-1*02_319AGAGA323



TRBV5-6*01_T284G

