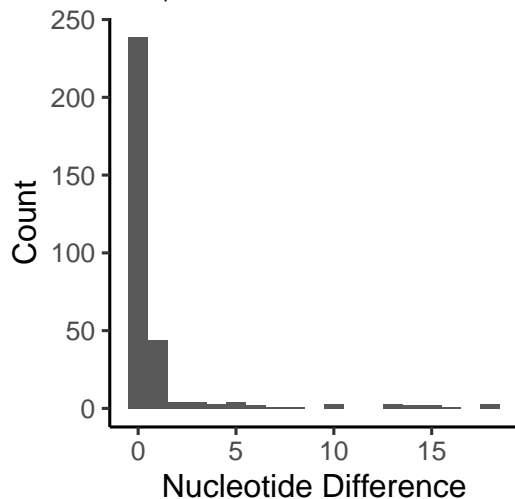


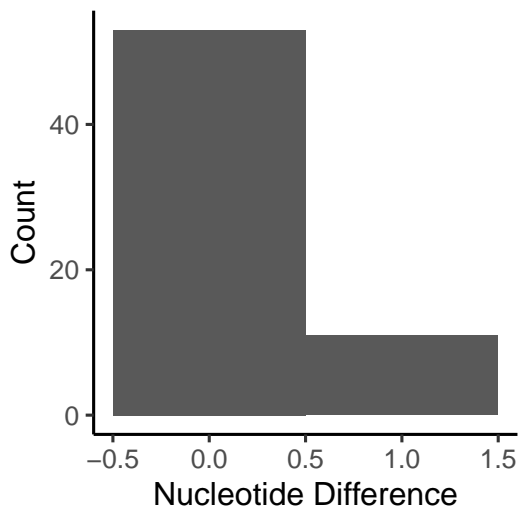
IGHV1–2*02

318 sequences assigned
239 (75.2%) exact matches, in which:
237 unique CDR3
5 unique J



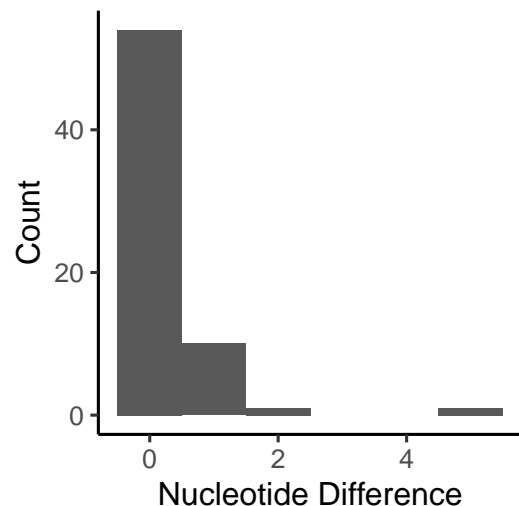
IGHV1–24*01

64 sequences assigned
53 (82.8%) exact matches, in which:
53 unique CDR3
4 unique J



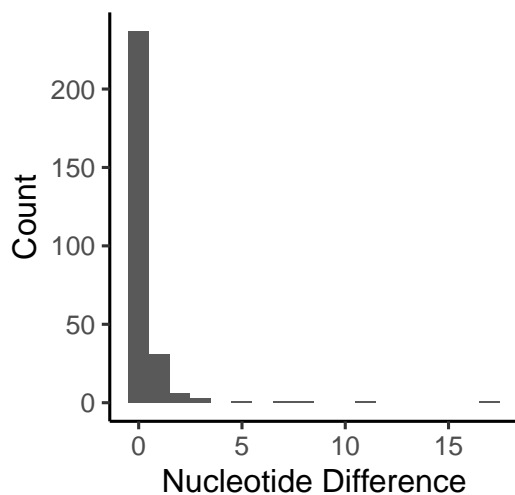
IGHV1–46*03

67 sequences assigned
54 (80.6%) exact matches, in which:
53 unique CDR3
6 unique J



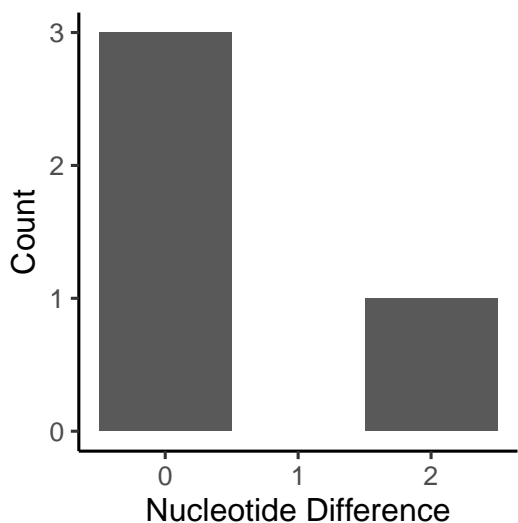
IGHV1–8*01

284 sequences assigned
237 (83.5%) exact matches, in which:
234 unique CDR3
6 unique J



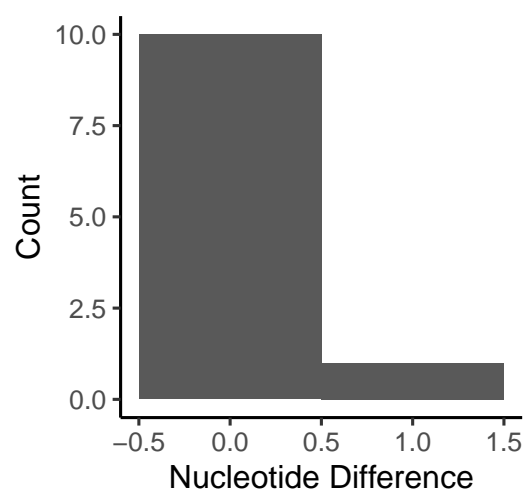
IGHV1–45*02

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
3 unique J



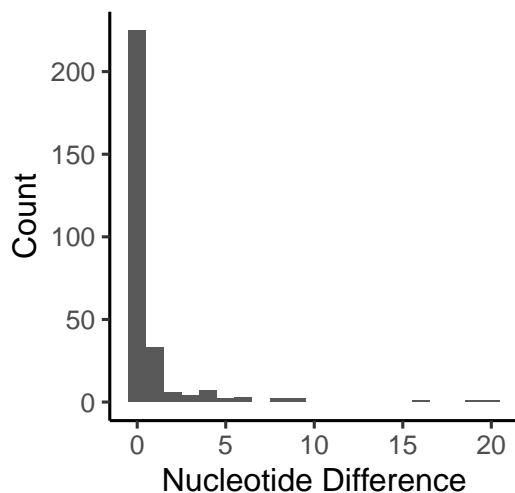
IGHV1–58*01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
5 unique J



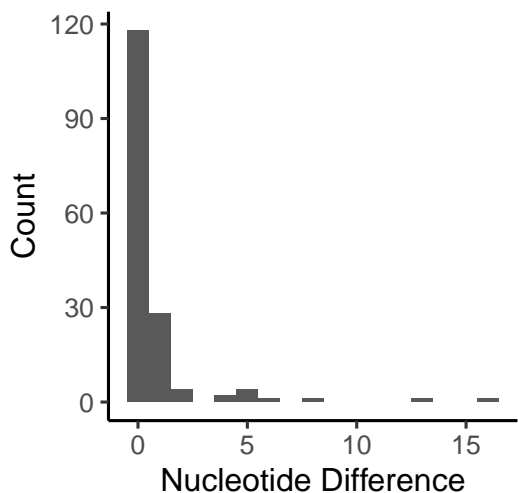
IGHV1–18*01

288 sequences assigned
225 (78.1%) exact matches, in which:
222 unique CDR3
6 unique J



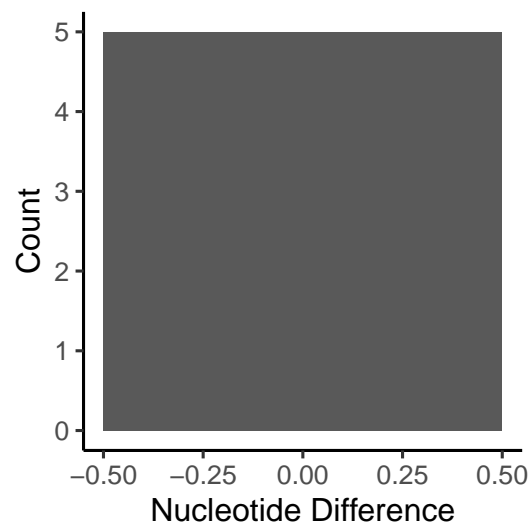
IGHV1–46*01

162 sequences assigned
118 (72.8%) exact matches, in which:
118 unique CDR3
6 unique J



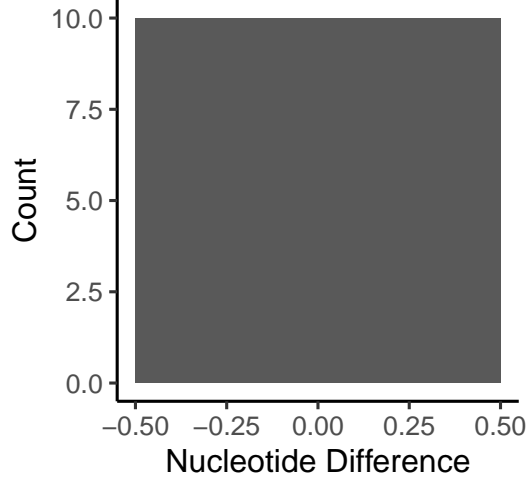
IGHV1–58*02

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
3 unique J



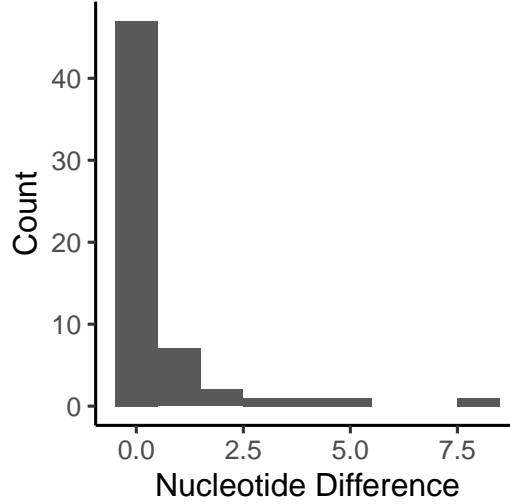
IGHV1-69-2*01

10 sequences assigned
10 (100%) exact matches, in which:
10 unique CDR3
2 unique J



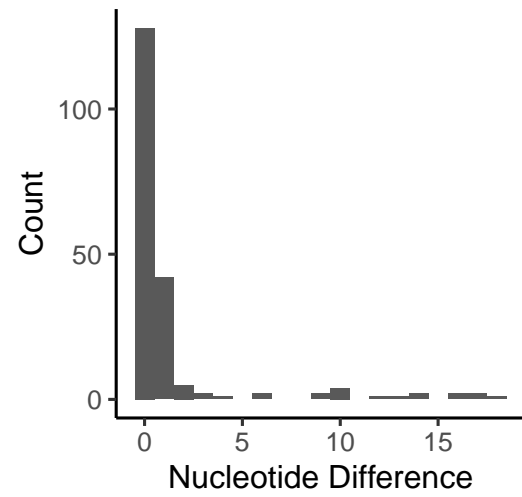
IGHV2-5*01

60 sequences assigned
47 (78.3%) exact matches, in which:
47 unique CDR3
4 unique J



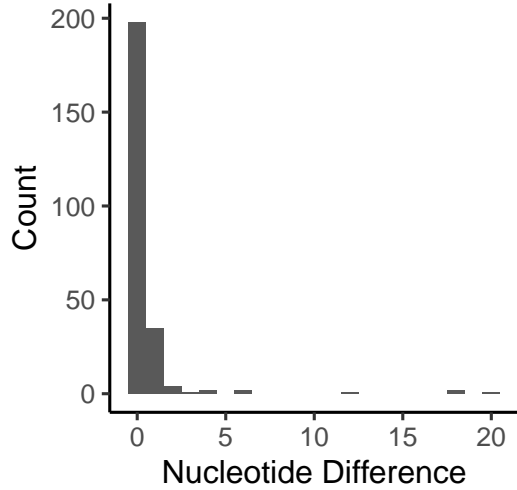
IGHV3-7*01

199 sequences assigned
128 (64.3%) exact matches, in which:
126 unique CDR3
6 unique J



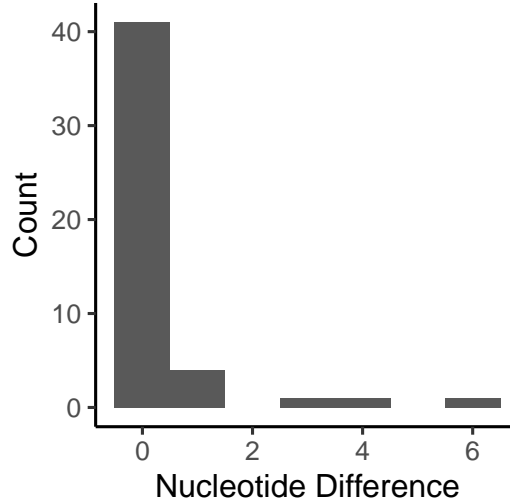
IGHV1-69*06

246 sequences assigned
198 (80.5%) exact matches, in which:
196 unique CDR3
6 unique J



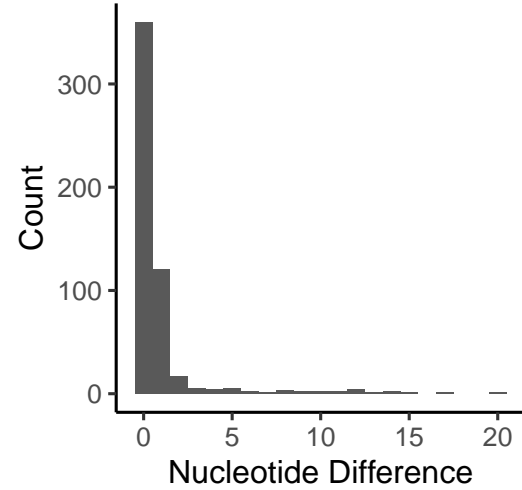
IGHV2-26*01

48 sequences assigned
41 (85.4%) exact matches, in which:
40 unique CDR3
4 unique J



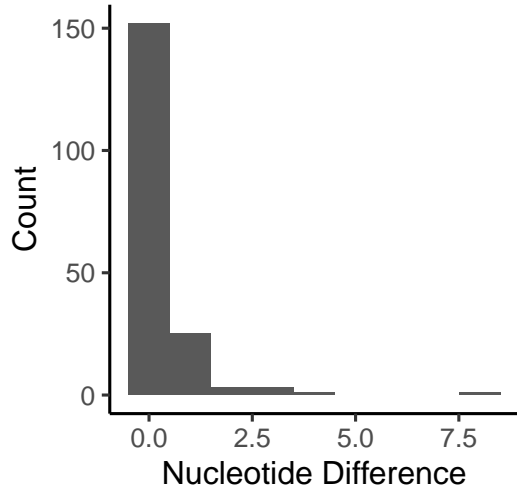
IGHV3-9*01

535 sequences assigned
360 (67.3%) exact matches, in which:
356 unique CDR3
6 unique J



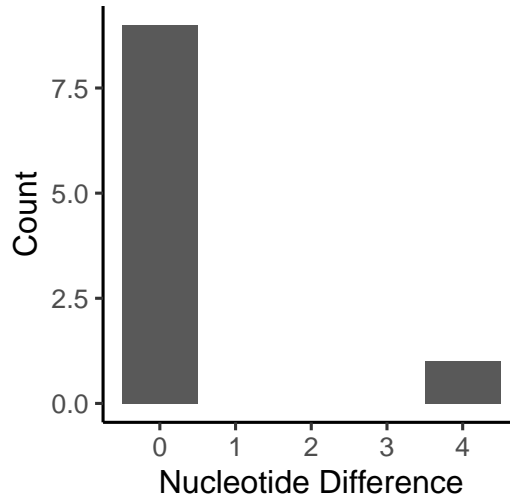
IGHV1-69*08_C191T

185 sequences assigned
152 (82.2%) exact matches, in which:
148 unique CDR3
6 unique J



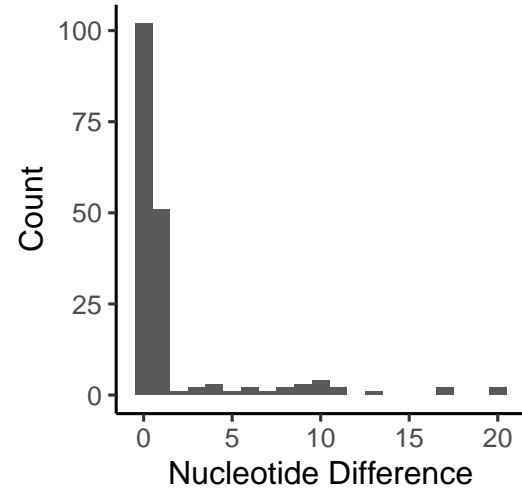
IGHV2-70*01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
5 unique J



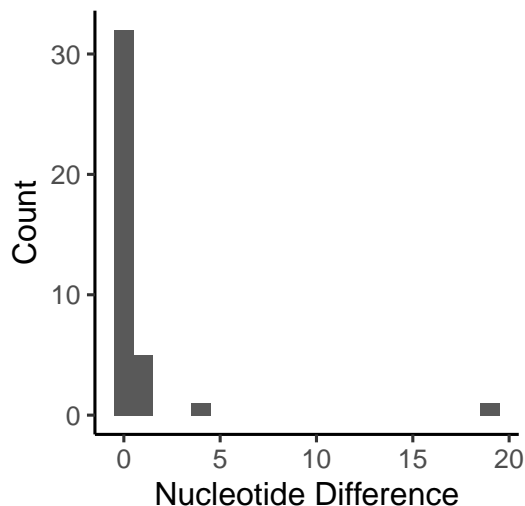
IGHV3-11*01

179 sequences assigned
102 (57%) exact matches, in which:
102 unique CDR3
6 unique J



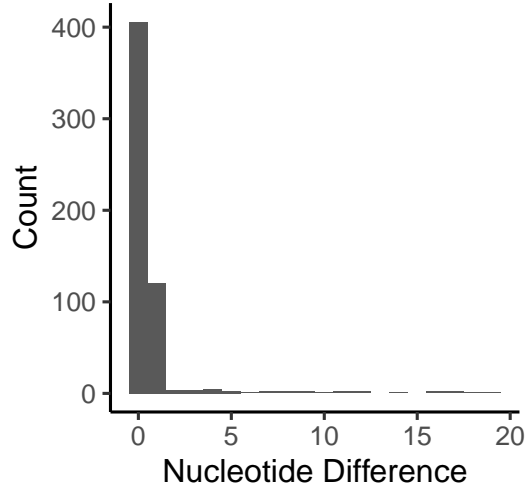
IGHV3-13*01

41 sequences assigned
32 (78%) exact matches, in which:
31 unique CDR3
5 unique J



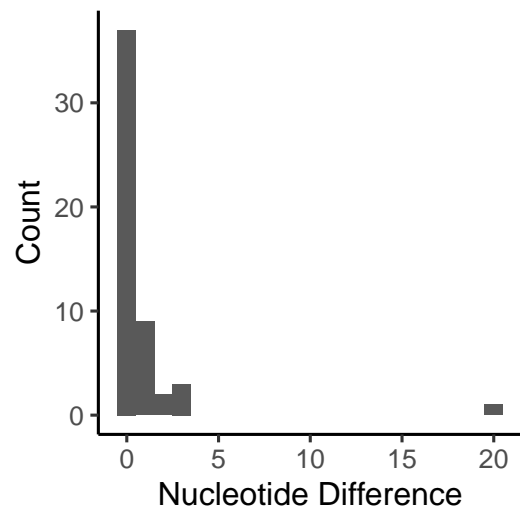
IGHV3-21*01

573 sequences assigned
406 (70.9%) exact matches, in which:
401 unique CDR3
6 unique J



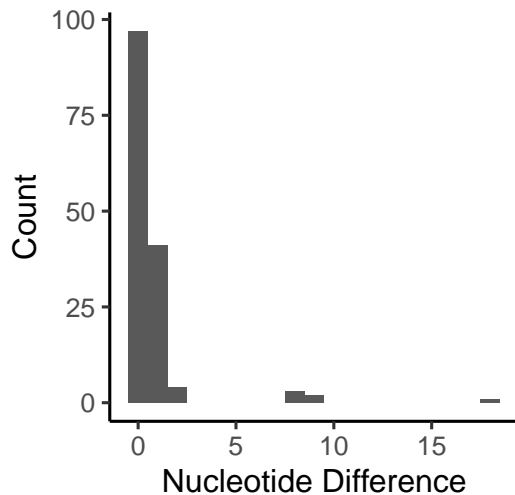
IGHV3-43*01

52 sequences assigned
37 (71.2%) exact matches, in which:
37 unique CDR3
4 unique J



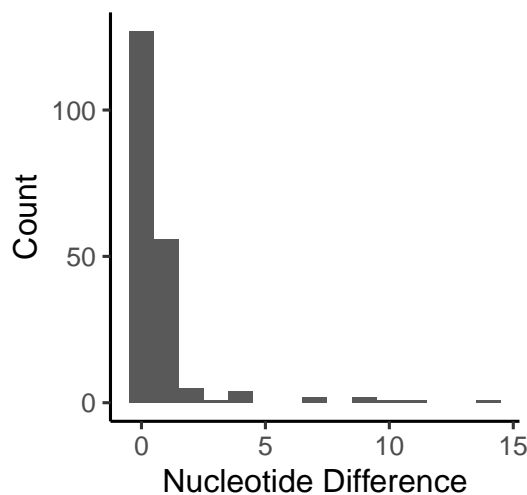
IGHV3-15*01

150 sequences assigned
97 (64.7%) exact matches, in which:
96 unique CDR3
6 unique J



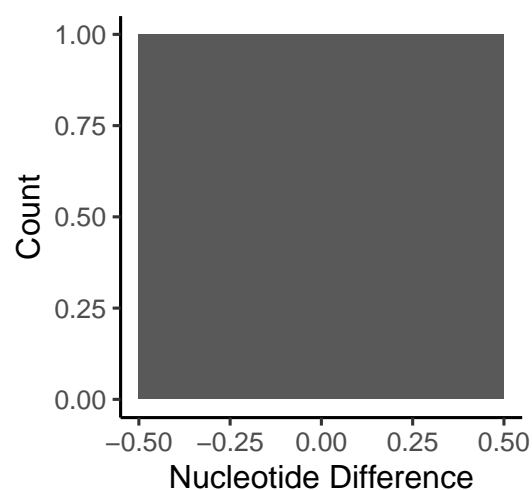
IGHV3-30*03

201 sequences assigned
127 (63.2%) exact matches, in which:
125 unique CDR3
6 unique J



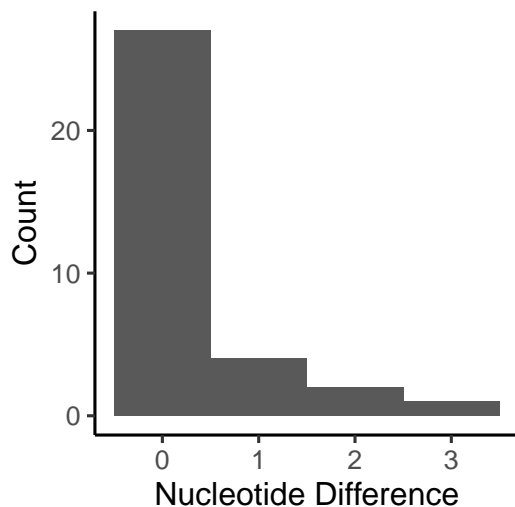
IGHV3-47*02

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



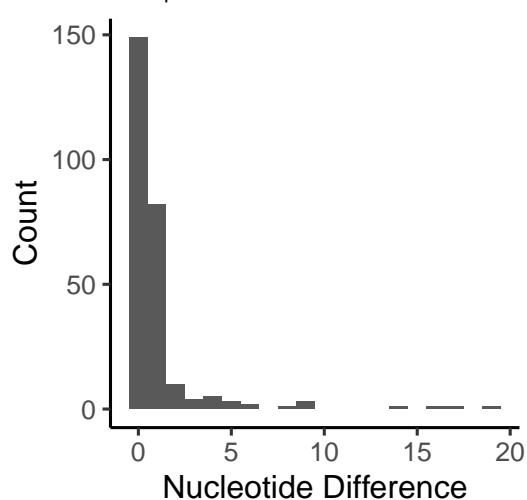
IGHV3-20*01

34 sequences assigned
27 (79.4%) exact matches, in which:
24 unique CDR3
5 unique J



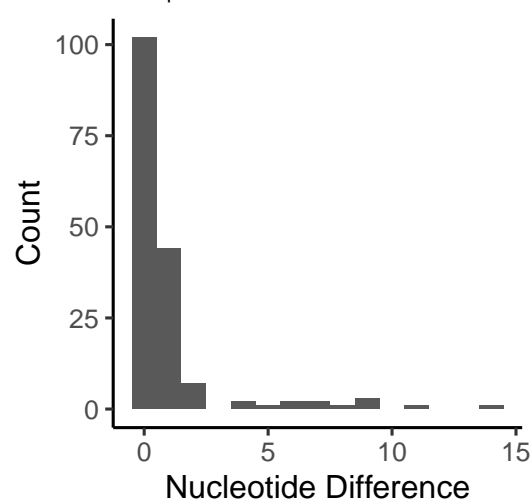
IGHV3-33*01

263 sequences assigned
149 (56.7%) exact matches, in which:
147 unique CDR3
6 unique J



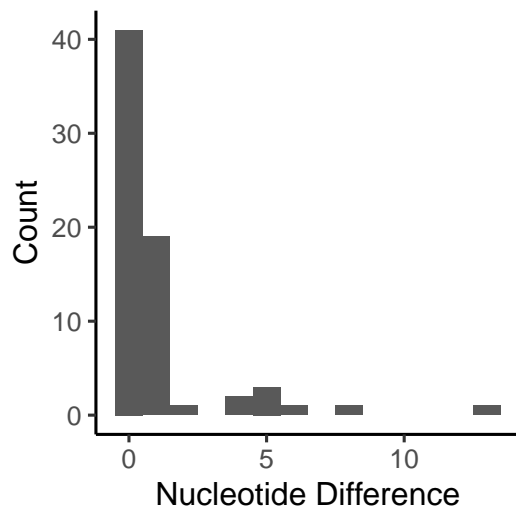
IGHV3-48*02

166 sequences assigned
102 (61.4%) exact matches, in which:
100 unique CDR3
6 unique J



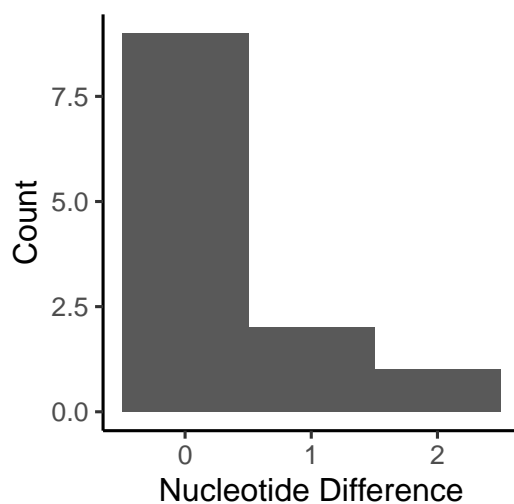
IGHV3-49*05

70 sequences assigned
41 (58.6%) exact matches, in which:
41 unique CDR3
4 unique J



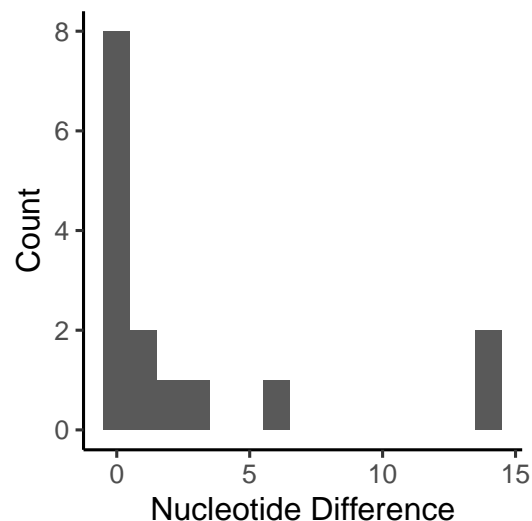
IGHV3-64*01

12 sequences assigned
9 (75%) exact matches, in which:
9 unique CDR3
3 unique J



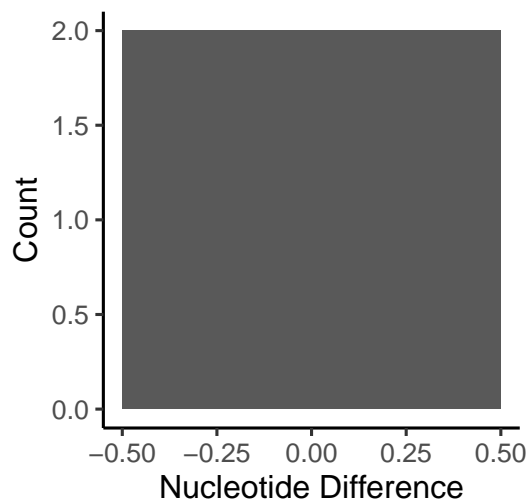
IGHV3-72*01

15 sequences assigned
8 (53.3%) exact matches, in which:
8 unique CDR3
3 unique J



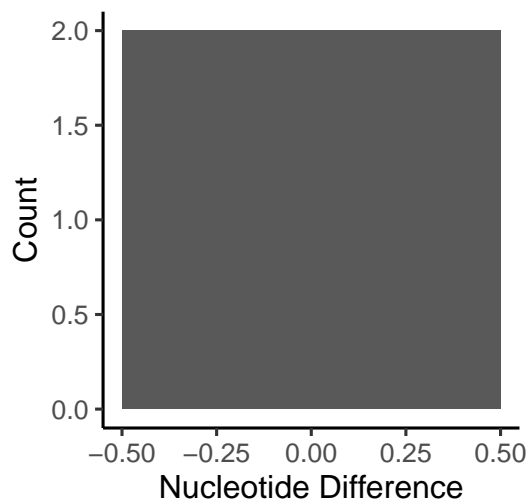
IGHV3-52*01

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



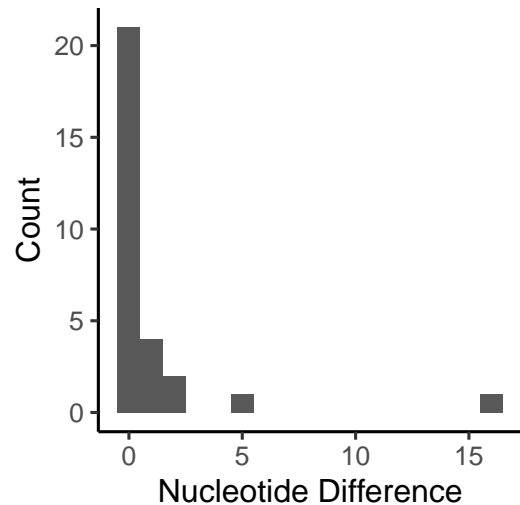
IGHV3-64*02

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



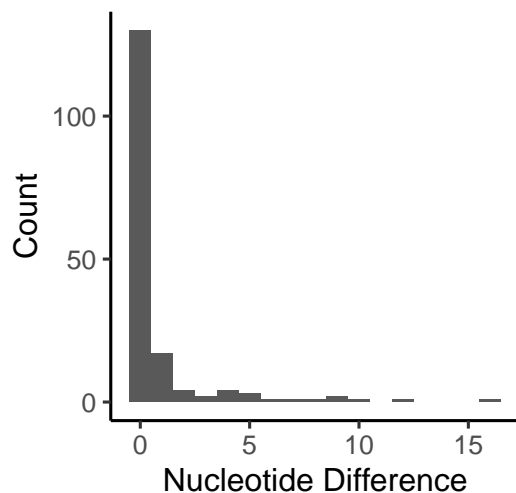
IGHV3-73*01

29 sequences assigned
21 (72.4%) exact matches, in which:
20 unique CDR3
4 unique J



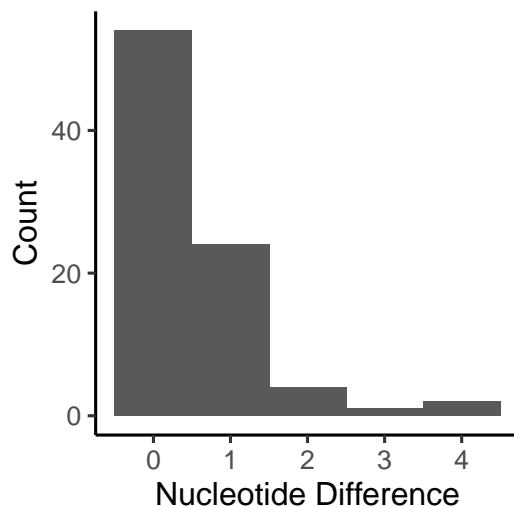
IGHV3-53*01

168 sequences assigned
130 (77.4%) exact matches, in which:
130 unique CDR3
6 unique J



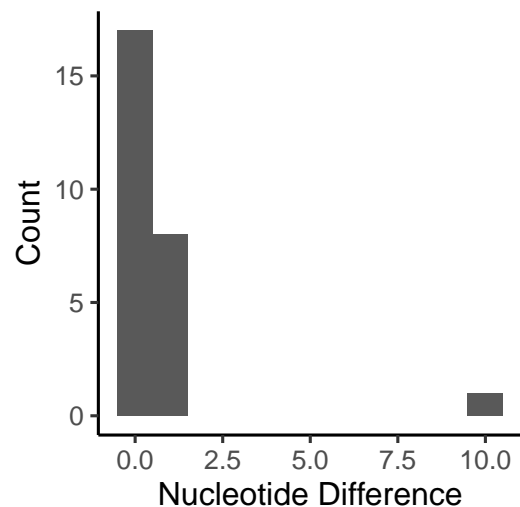
IGHV3-66*02

85 sequences assigned
54 (63.5%) exact matches, in which:
54 unique CDR3
6 unique J



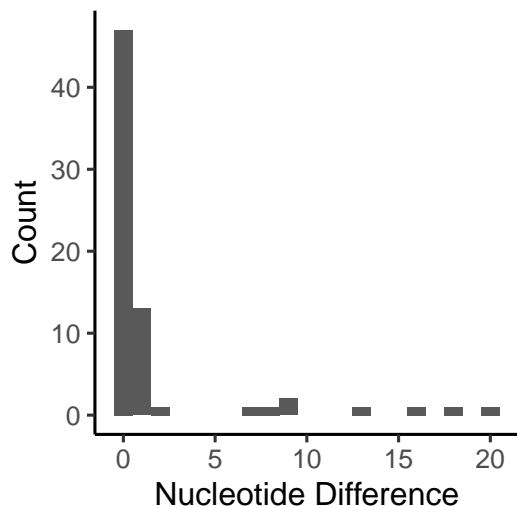
IGHV3-73*02

26 sequences assigned
17 (65.4%) exact matches, in which:
16 unique CDR3
3 unique J



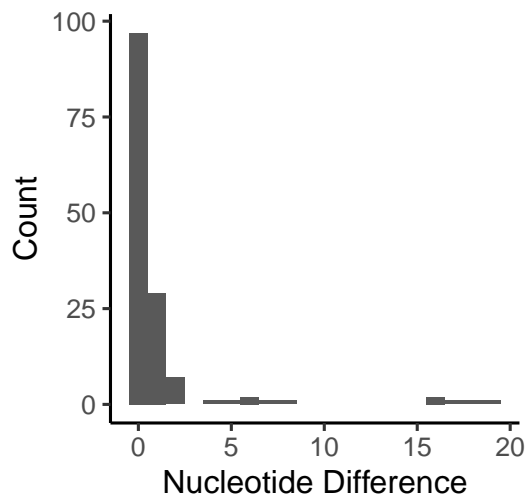
IGHV3-74*01

69 sequences assigned
47 (68.1%) exact matches, in which:
47 unique CDR3
4 unique J



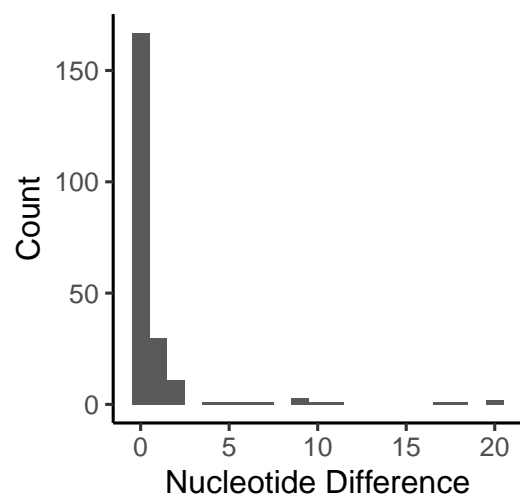
IGHV4-31*03

144 sequences assigned
97 (67.4%) exact matches, in which:
97 unique CDR3
6 unique J



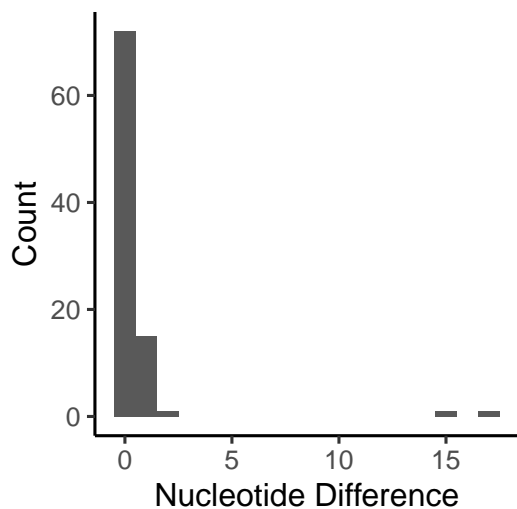
IGHV4-59*01

224 sequences assigned
167 (74.6%) exact matches, in which:
165 unique CDR3
6 unique J



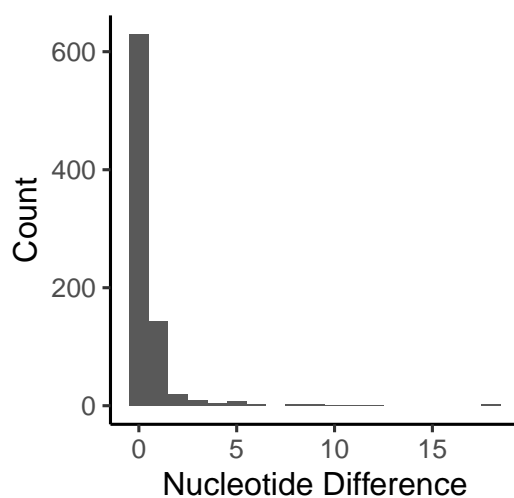
IGHV4-4*07

93 sequences assigned
72 (77.4%) exact matches, in which:
70 unique CDR3
5 unique J



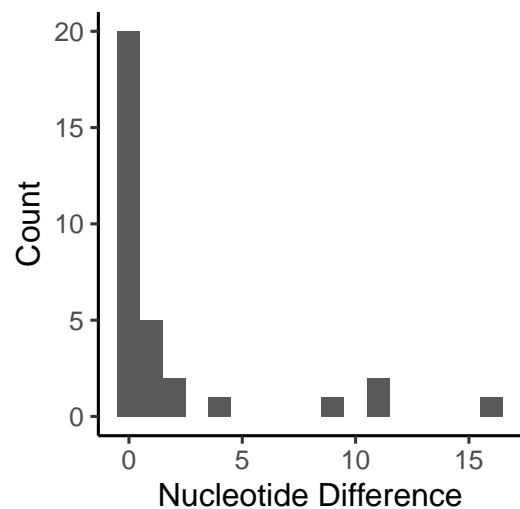
IGHV4-34*01

830 sequences assigned
630 (75.9%) exact matches, in which:
620 unique CDR3
6 unique J



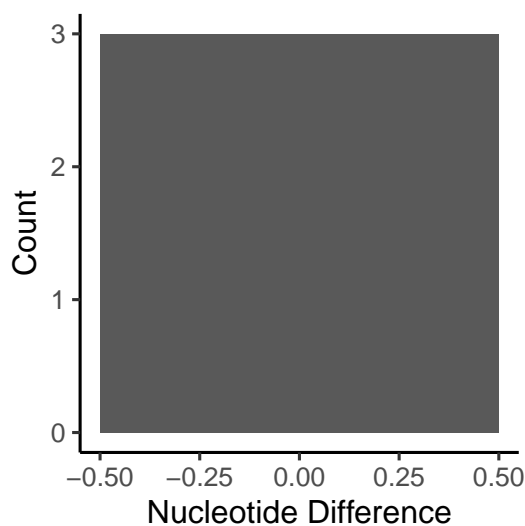
IGHV4-61*01

32 sequences assigned
20 (62.5%) exact matches, in which:
20 unique CDR3
5 unique J



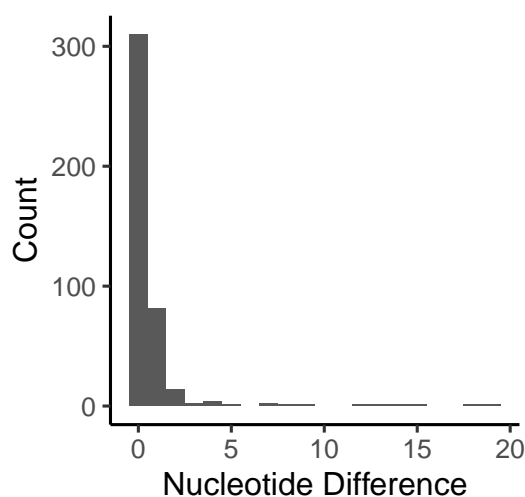
IGHV4-28*01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



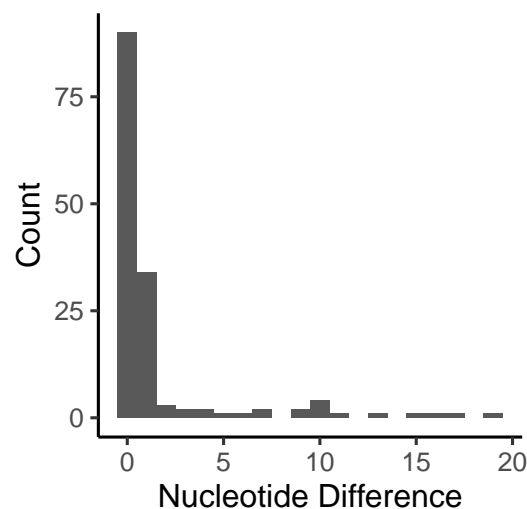
IGHV4-39*01

424 sequences assigned
310 (73.1%) exact matches, in which:
305 unique CDR3
6 unique J



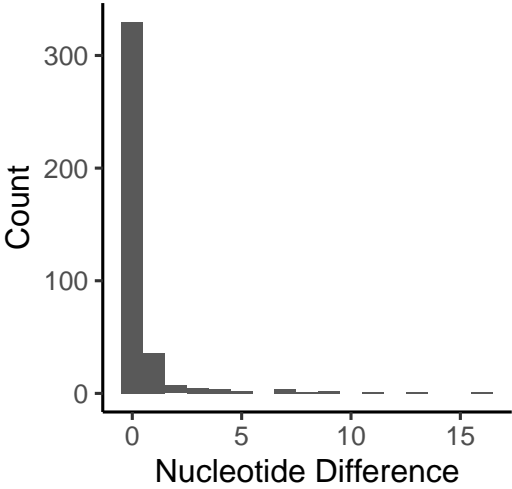
IGHV4-61*02

147 sequences assigned
90 (61.2%) exact matches, in which:
89 unique CDR3
6 unique J



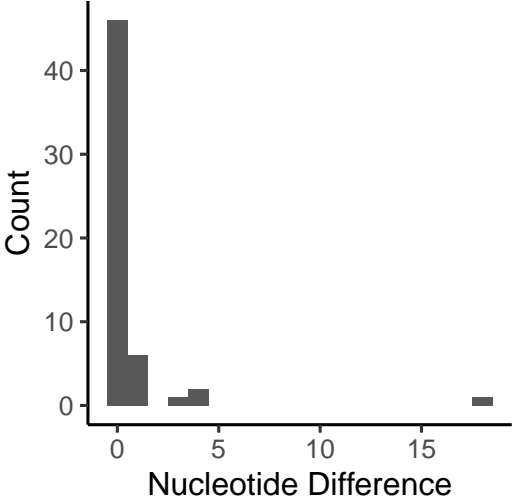
IGHV5-51*01

397 sequences assigned
330 (83.1%) exact matches, in which:
327 unique CDR3
6 unique J



IGHV6-1*01

56 sequences assigned
46 (82.1%) exact matches, in which:
46 unique CDR3
6 unique J





Warning – no inferred sequences found.