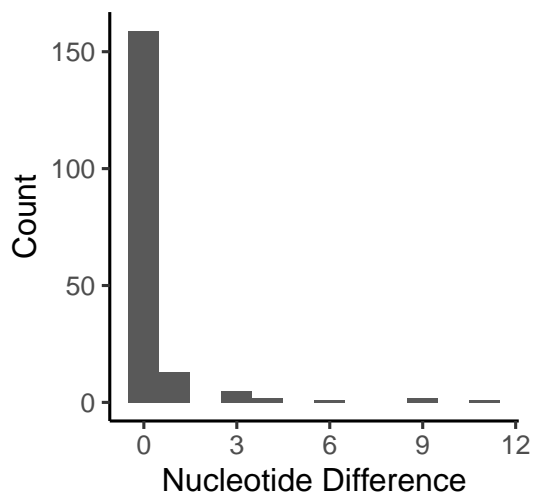


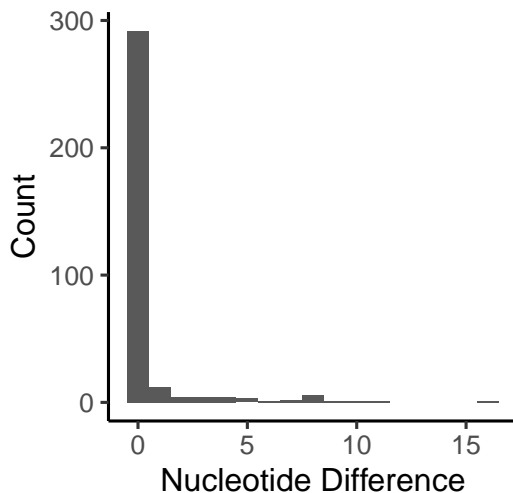
IGHV1-2*04

183 sequences assigned
159 (86.9%) exact matches, in which:
159 unique CDR3
6 unique J



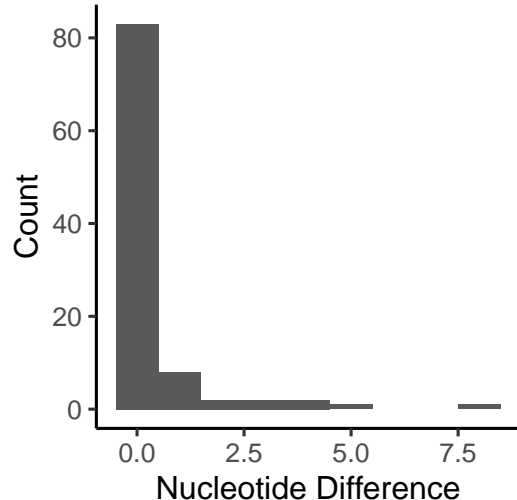
IGHV1-18*04

334 sequences assigned
292 (87.4%) exact matches, in which:
292 unique CDR3
6 unique J



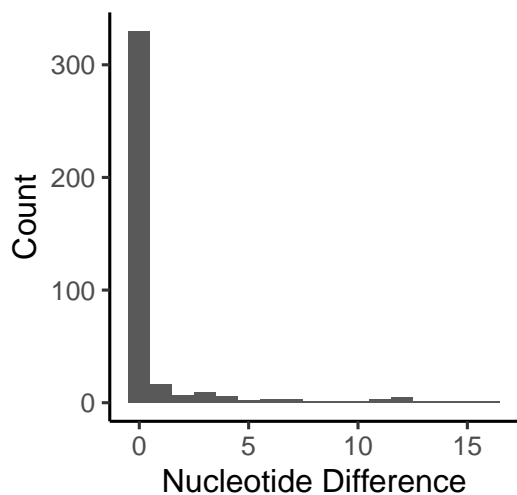
IGHV1-46*01

100 sequences assigned
83 (83%) exact matches, in which:
83 unique CDR3
6 unique J



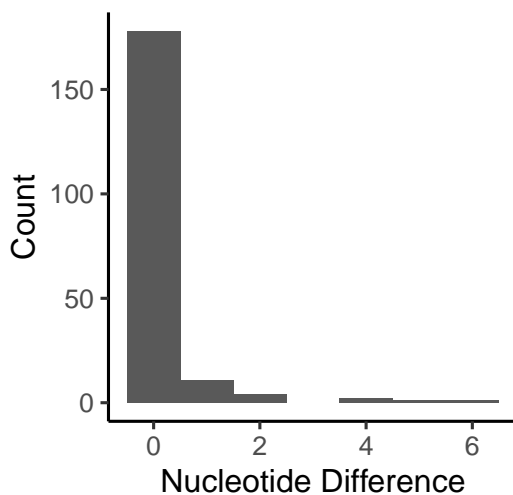
IGHV1-3*01

391 sequences assigned
330 (84.4%) exact matches, in which:
329 unique CDR3
6 unique J



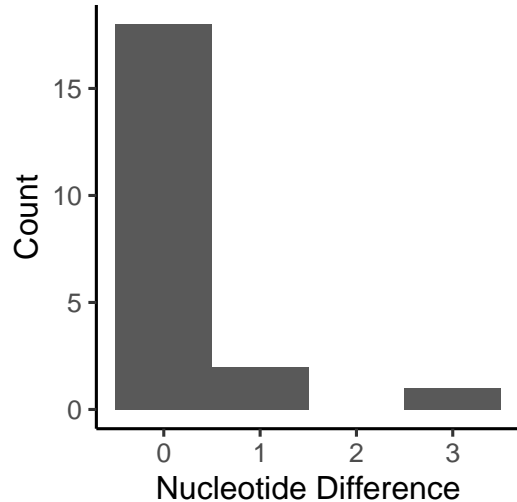
IGHV1-24*01

197 sequences assigned
178 (90.4%) exact matches, in which:
178 unique CDR3
6 unique J



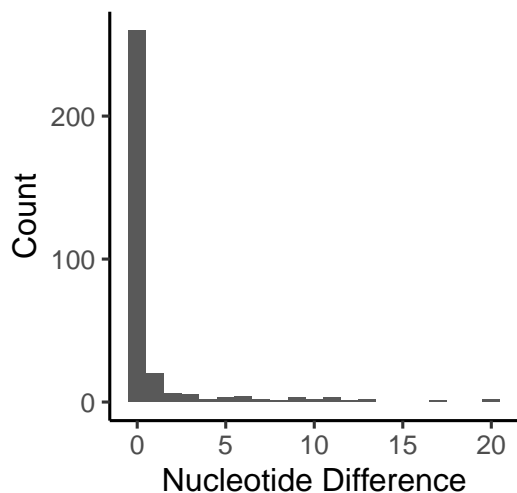
IGHV1-58*02

21 sequences assigned
18 (85.7%) exact matches, in which:
18 unique CDR3
4 unique J



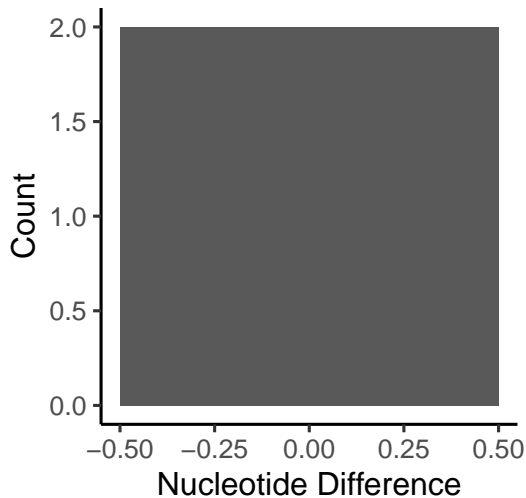
IGHV1-18*01

318 sequences assigned
260 (81.8%) exact matches, in which:
260 unique CDR3
4 unique J



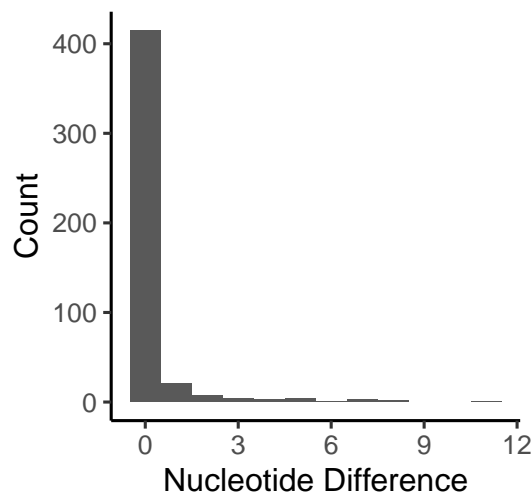
IGHV1-45*02

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



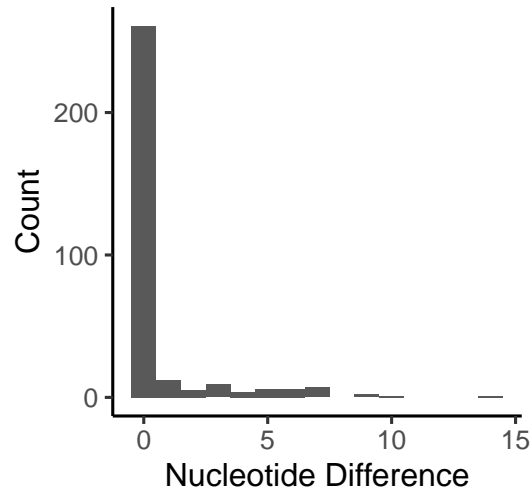
IGHV1-69*04_A163G

461 sequences assigned
415 (90%) exact matches, in which:
414 unique CDR3
5 unique J



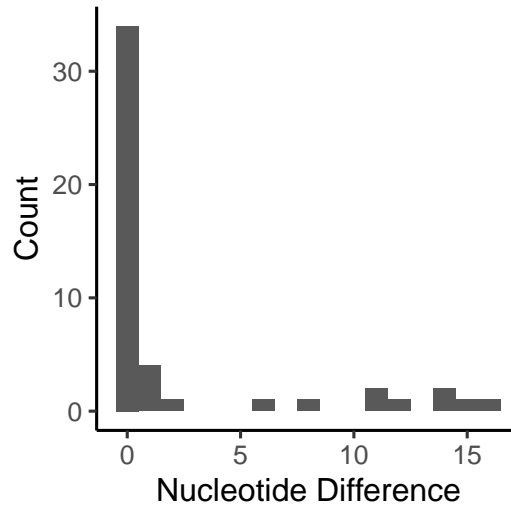
IGHV2-5*02

315 sequences assigned
261 (82.9%) exact matches, in which:
261 unique CDR3
6 unique J



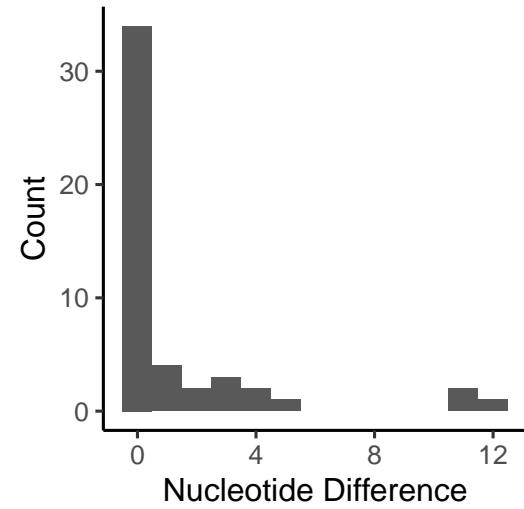
IGHV3-7*04

48 sequences assigned
34 (70.8%) exact matches, in which:
34 unique CDR3
5 unique J



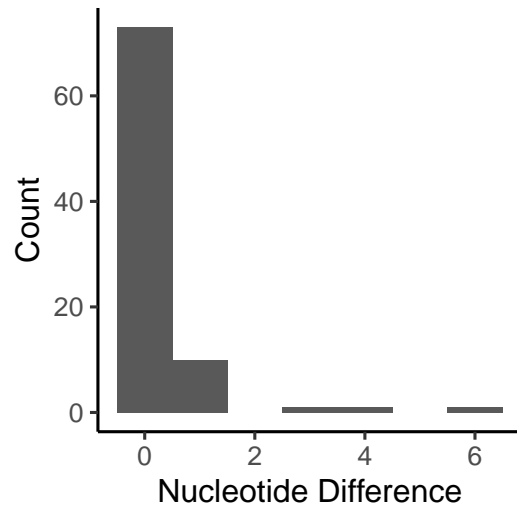
IGHV3-13*04

49 sequences assigned
34 (69.4%) exact matches, in which:
34 unique CDR3
5 unique J



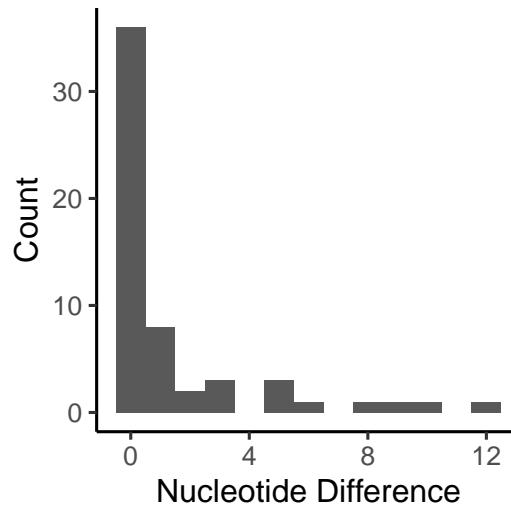
IGHV2-26*01

87 sequences assigned
73 (83.9%) exact matches, in which:
73 unique CDR3
5 unique J



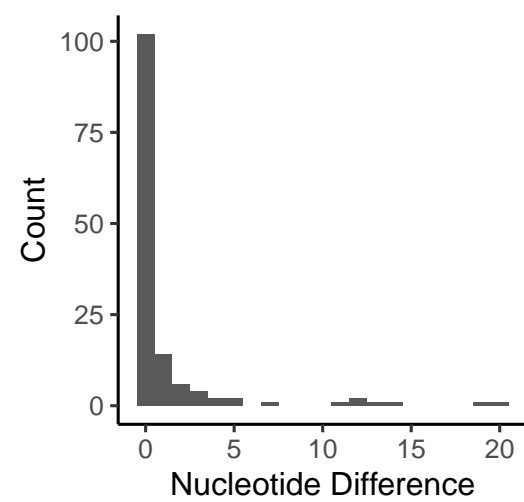
IGHV3-7*05

57 sequences assigned
36 (63.2%) exact matches, in which:
36 unique CDR3
6 unique J



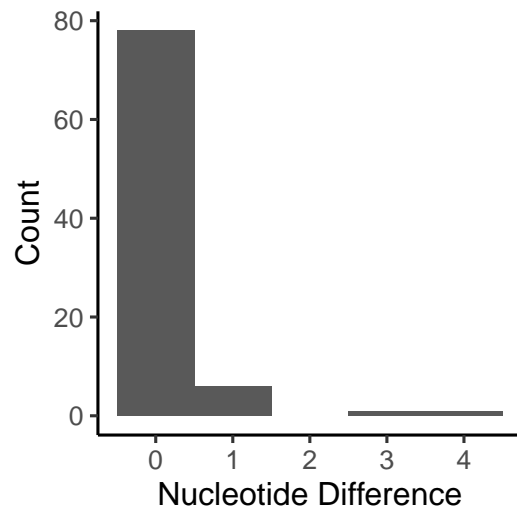
IGHV3-15*01

138 sequences assigned
102 (73.9%) exact matches, in which:
102 unique CDR3
6 unique J



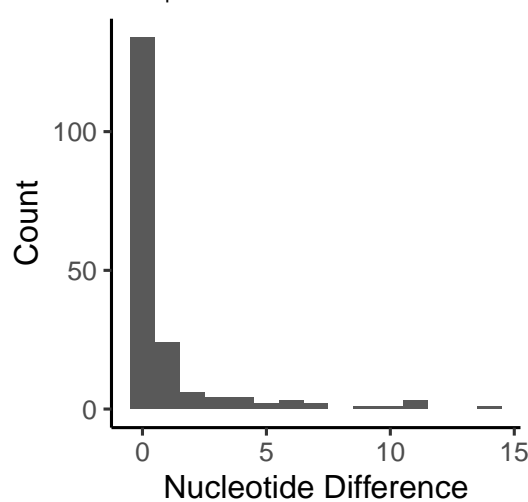
IGHV2-70*15

86 sequences assigned
78 (90.7%) exact matches, in which:
78 unique CDR3
5 unique J



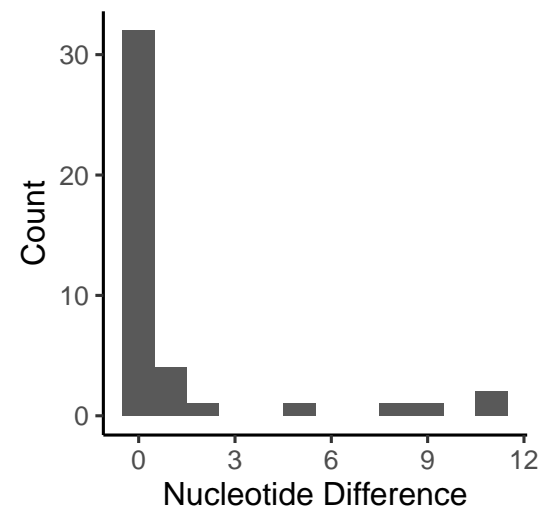
IGHV3-11*05

185 sequences assigned
134 (72.4%) exact matches, in which:
134 unique CDR3
6 unique J



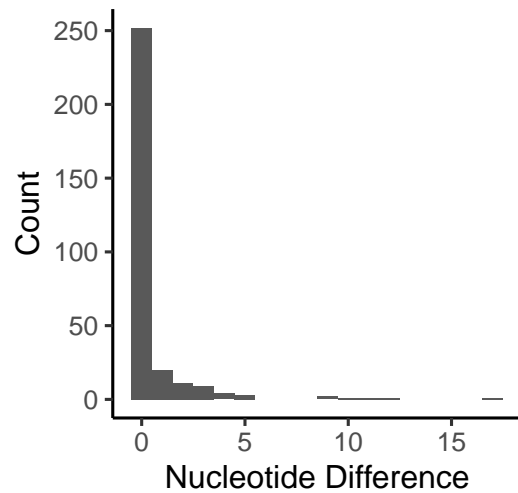
IGHV3-20*04

42 sequences assigned
32 (76.2%) exact matches, in which:
32 unique CDR3
4 unique J



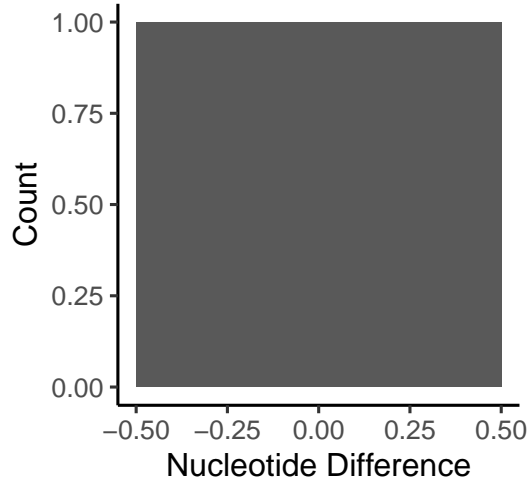
IGHV3-21*01

305 sequences assigned
252 (82.6%) exact matches, in which:
252 unique CDR3
6 unique J



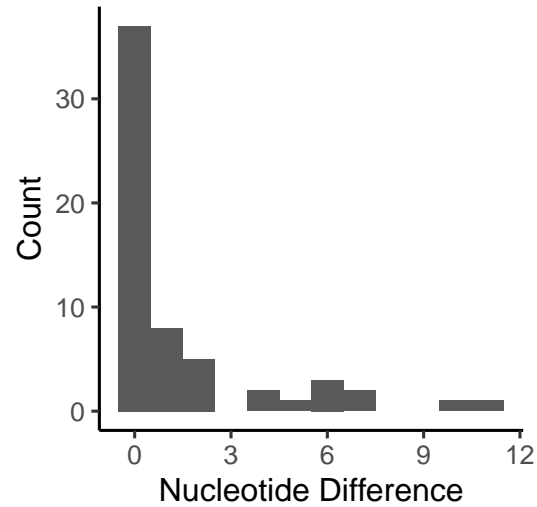
IGHV3-38-3*01

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



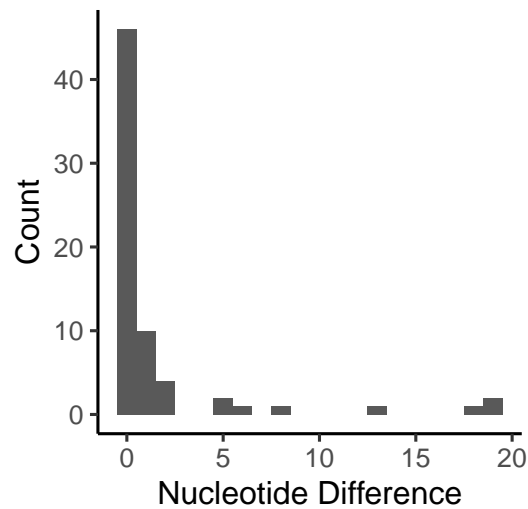
IGHV3-49*03

60 sequences assigned
37 (61.7%) exact matches, in which:
37 unique CDR3
5 unique J



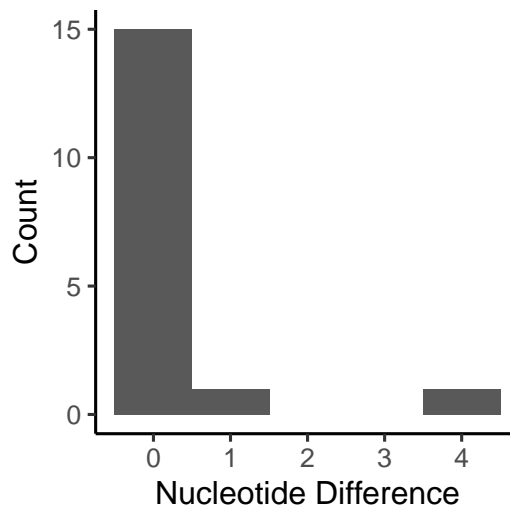
IGHV3-23*01_G239T

68 sequences assigned
46 (67.6%) exact matches, in which:
46 unique CDR3
5 unique J



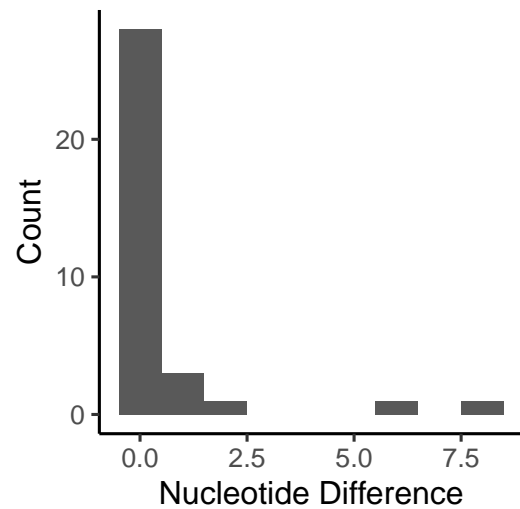
IGHV3-43*01

17 sequences assigned
15 (88.2%) exact matches, in which:
15 unique CDR3
5 unique J



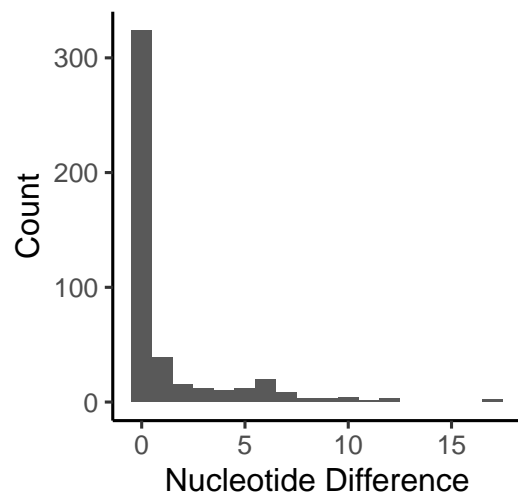
IGHV3-53*04

34 sequences assigned
28 (82.4%) exact matches, in which:
28 unique CDR3
6 unique J



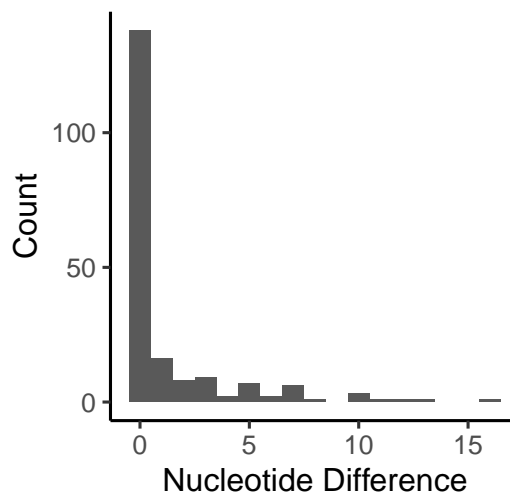
IGHV3-30-3*01

458 sequences assigned
324 (70.7%) exact matches, in which:
324 unique CDR3
6 unique J



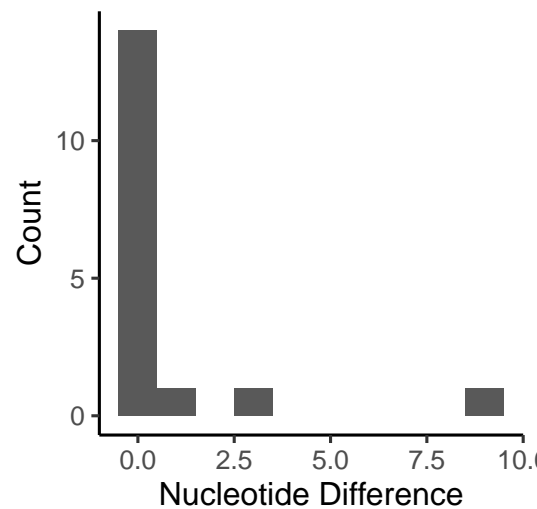
IGHV3-48*04

199 sequences assigned
138 (69.3%) exact matches, in which:
138 unique CDR3
6 unique J



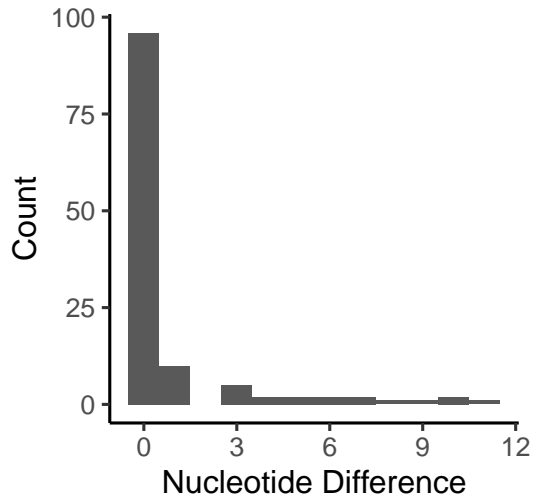
IGHV3-64*01

17 sequences assigned
14 (82.4%) exact matches, in which:
14 unique CDR3
4 unique J



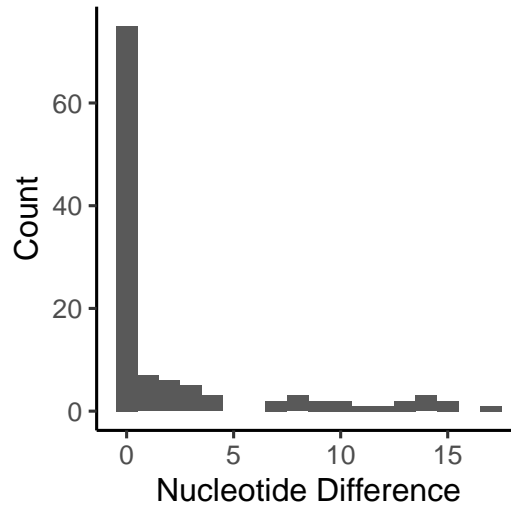
IGHV3–66*01

125 sequences assigned
96 (76.8%) exact matches, in which:
96 unique CDR3
6 unique J



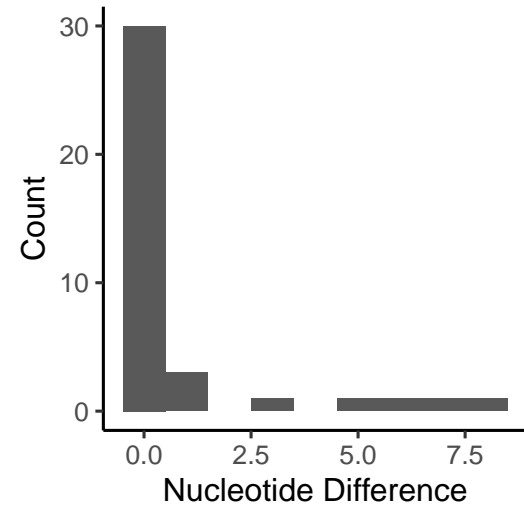
IGHV3–74*01

116 sequences assigned
75 (64.7%) exact matches, in which:
75 unique CDR3
5 unique J



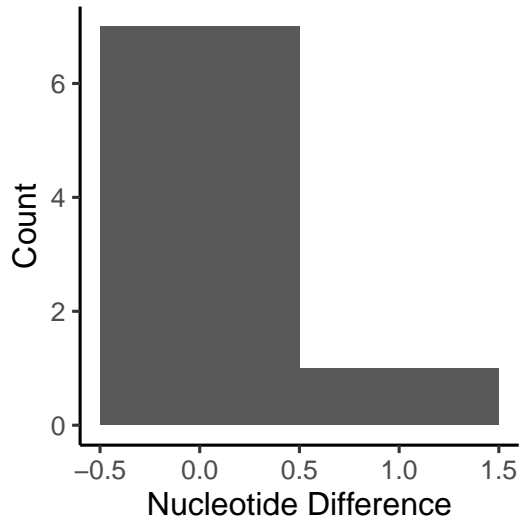
IGHV3–64D*09

38 sequences assigned
30 (78.9%) exact matches, in which:
30 unique CDR3
5 unique J



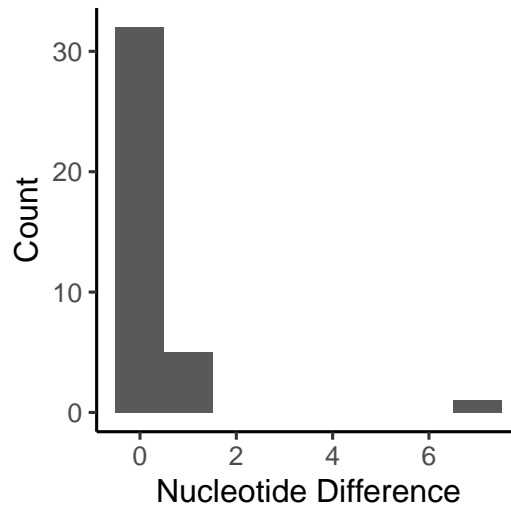
IGHV3–72*01

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



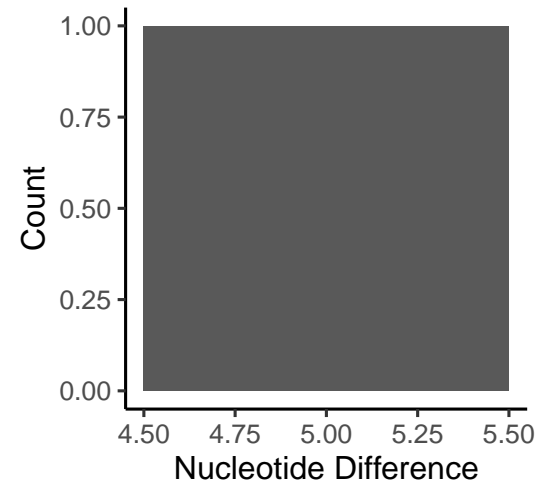
IGHV3–43D*03

38 sequences assigned
32 (84.2%) exact matches, in which:
32 unique CDR3
5 unique J



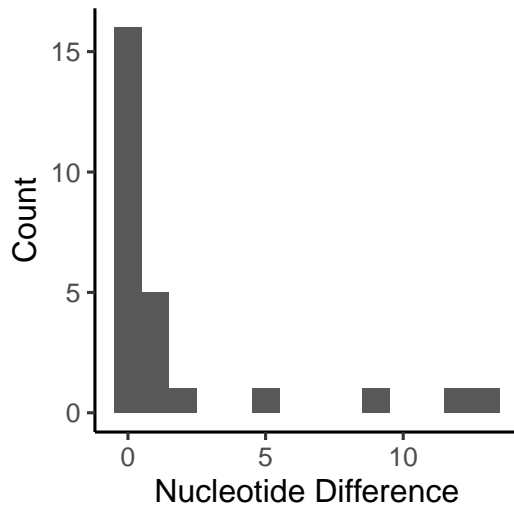
IGHV3–NL1*01

1 sequences assigned
No exact matches.



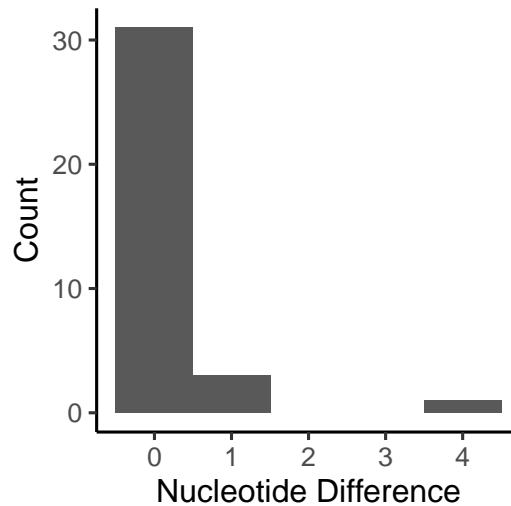
IGHV3–73*01

26 sequences assigned
16 (61.5%) exact matches, in which:
16 unique CDR3
3 unique J



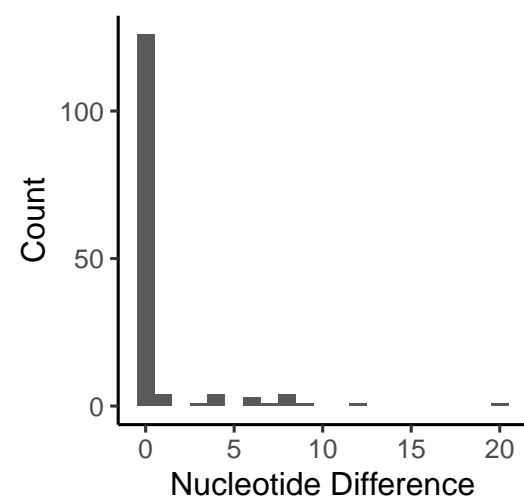
IGHV3–64D*06

35 sequences assigned
31 (88.6%) exact matches, in which:
31 unique CDR3
5 unique J



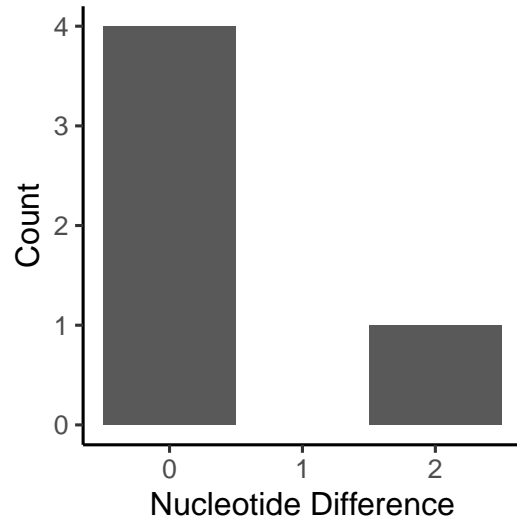
IGHV4–4*02

146 sequences assigned
126 (86.3%) exact matches, in which:
126 unique CDR3
6 unique J



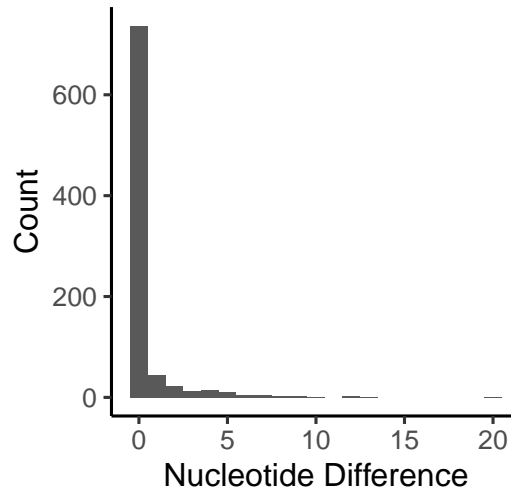
IGHV4-28*01

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
3 unique J



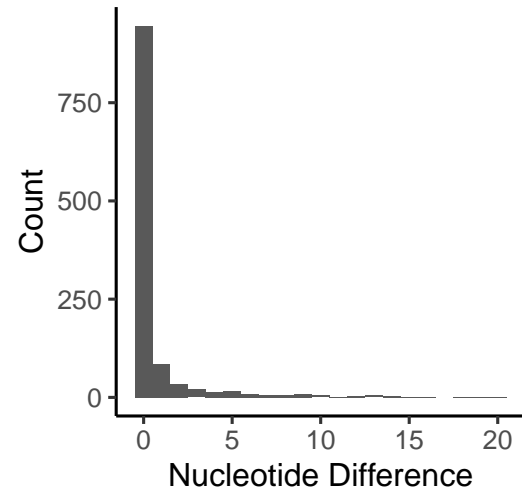
IGHV4-34*01

865 sequences assigned
737 (85.2%) exact matches, in which:
737 unique CDR3
6 unique J



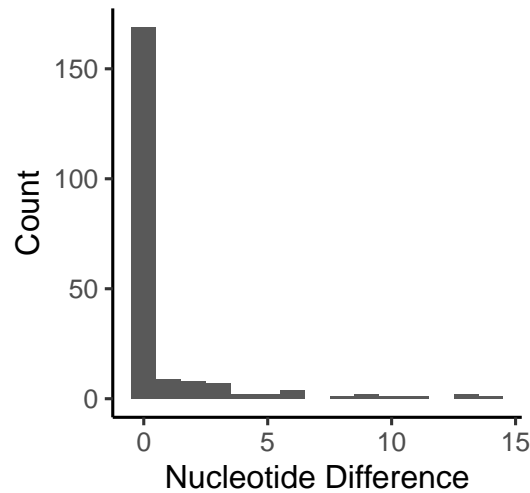
IGHV4-39*07

1178 sequences assigned
946 (80.3%) exact matches, in which:
945 unique CDR3
6 unique J



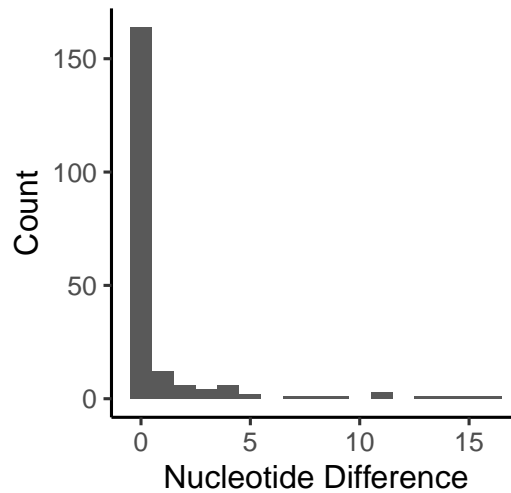
IGHV4-30-4*01

210 sequences assigned
169 (80.5%) exact matches, in which:
169 unique CDR3
6 unique J



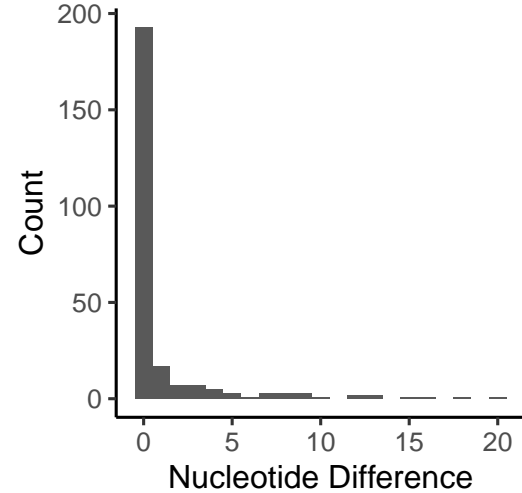
IGHV4-38-2*02

204 sequences assigned
164 (80.4%) exact matches, in which:
164 unique CDR3
6 unique J



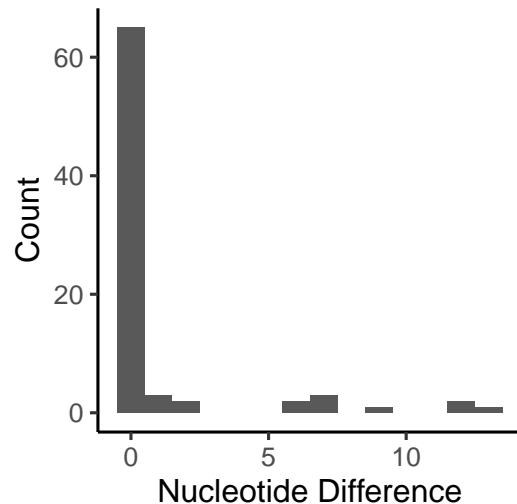
IGHV4-59*01

257 sequences assigned
193 (75.1%) exact matches, in which:
193 unique CDR3
5 unique J



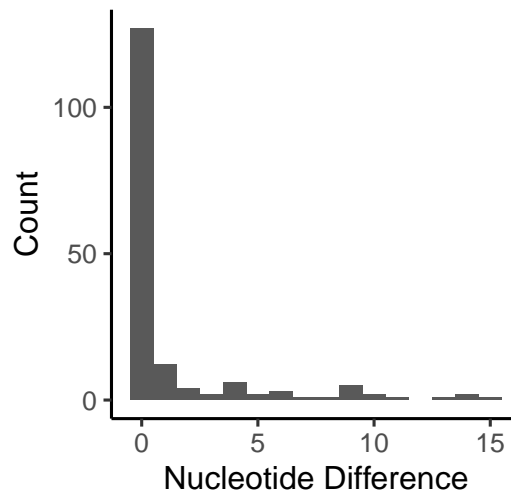
IGHV4-30-2*01

79 sequences assigned
65 (82.3%) exact matches, in which:
64 unique CDR3
5 unique J



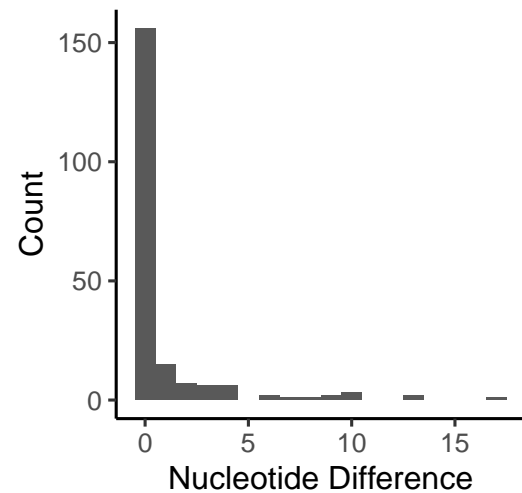
IGHV4-38-2*02_G246A

171 sequences assigned
127 (74.3%) exact matches, in which:
127 unique CDR3
6 unique J



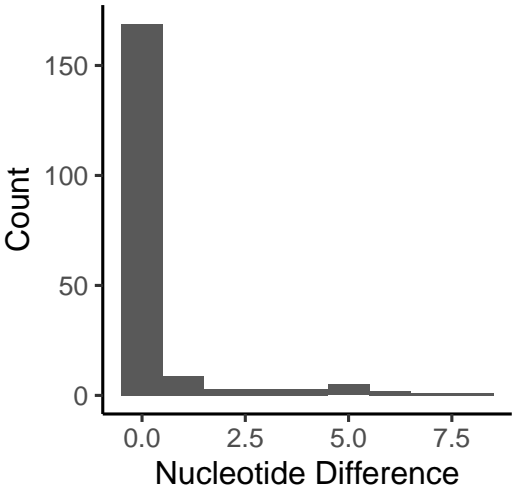
IGHV4-59*08

202 sequences assigned
156 (77.2%) exact matches, in which:
156 unique CDR3
6 unique J



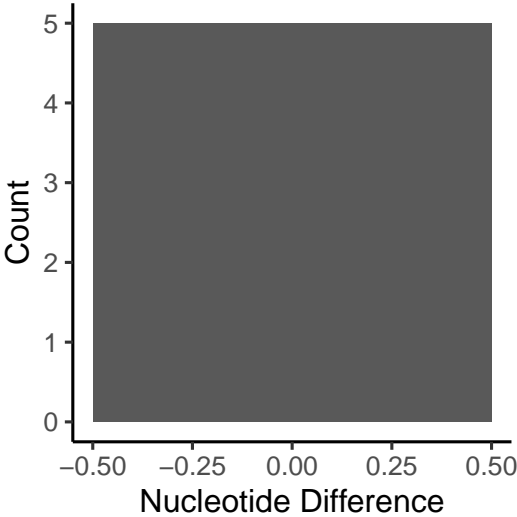
IGHV5-10-1*01

196 sequences assigned
169 (86.2%) exact matches, in which:
169 unique CDR3
6 unique J



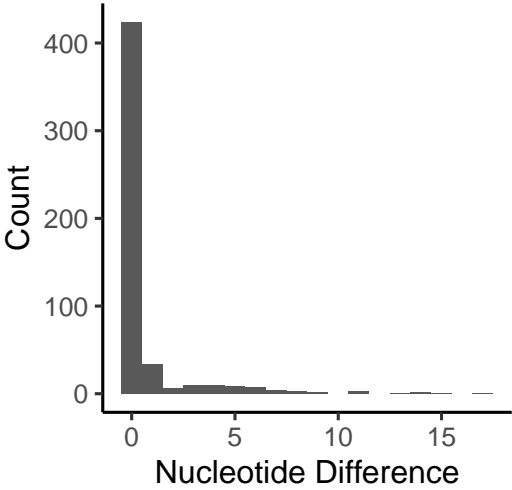
IGHV7-4-1*01

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



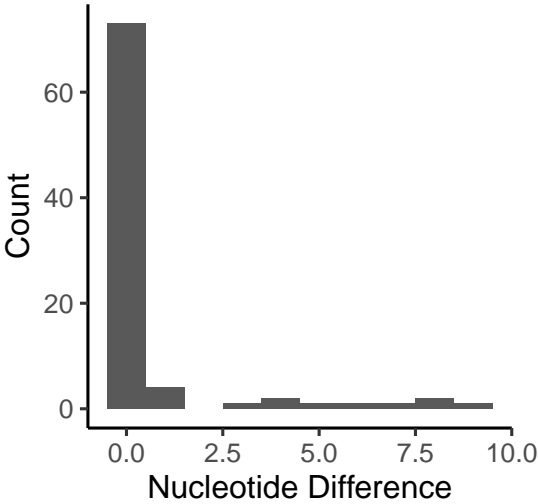
IGHV5-51*01

517 sequences assigned
424 (82%) exact matches, in which:
424 unique CDR3
6 unique J



IGHV6-1*01

86 sequences assigned
73 (84.9%) exact matches, in which:
73 unique CDR3
6 unique J





Warning – no inferred sequences found.