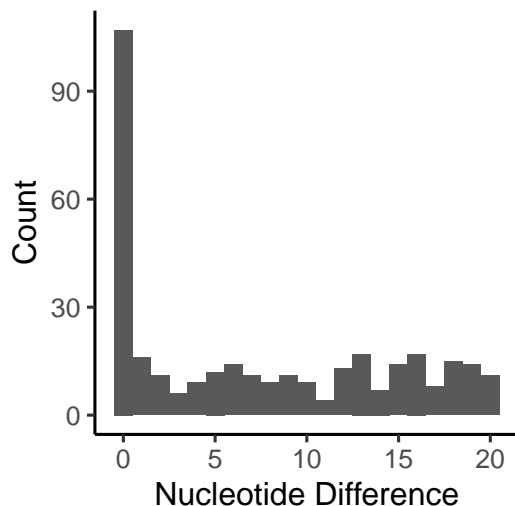


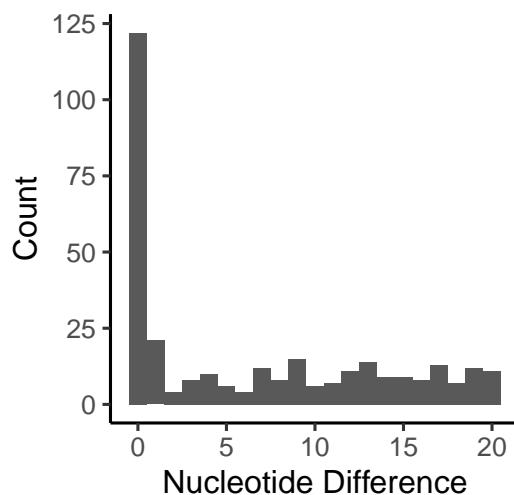
IGHV1–2*02

449 sequences assigned
107 (23.8%) exact matches, in which:
107 unique CDR3
6 unique J



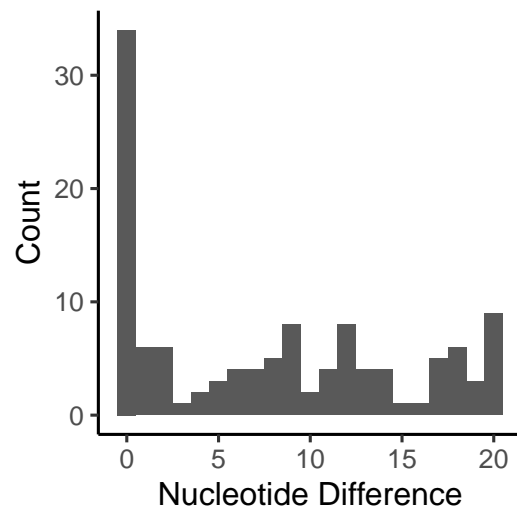
IGHV1–18*01

441 sequences assigned
122 (27.7%) exact matches, in which:
122 unique CDR3
6 unique J



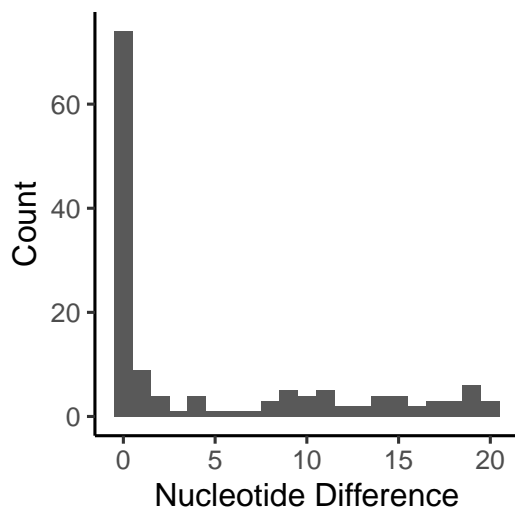
IGHV1–46*01

187 sequences assigned
34 (18.2%) exact matches, in which:
34 unique CDR3
5 unique J



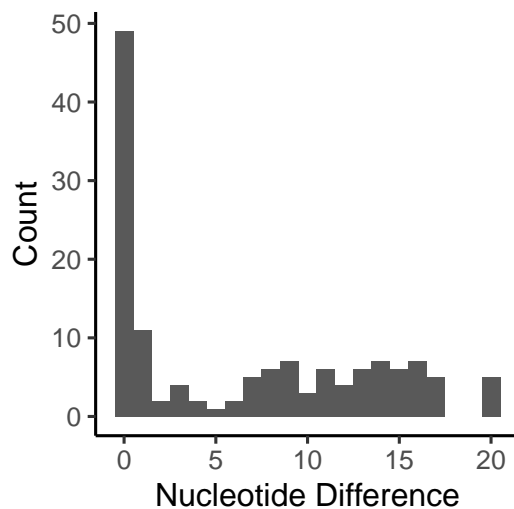
IGHV1–3*01

177 sequences assigned
74 (41.8%) exact matches, in which:
74 unique CDR3
5 unique J



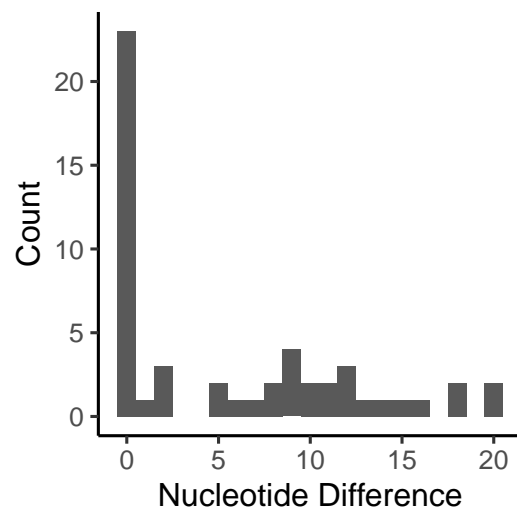
IGHV1–24*01

169 sequences assigned
49 (29%) exact matches, in which:
49 unique CDR3
5 unique J



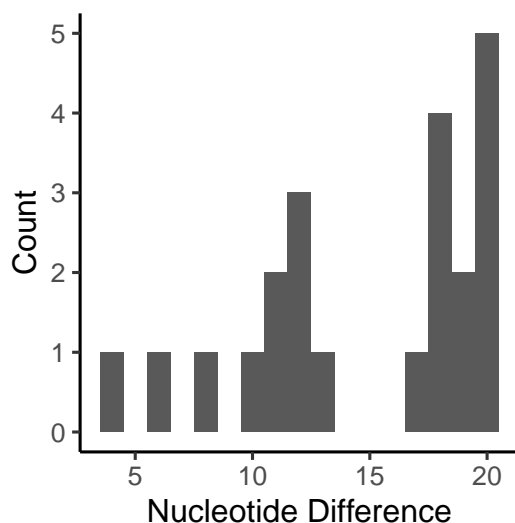
IGHV1–46*03

81 sequences assigned
23 (28.4%) exact matches, in which:
23 unique CDR3
4 unique J



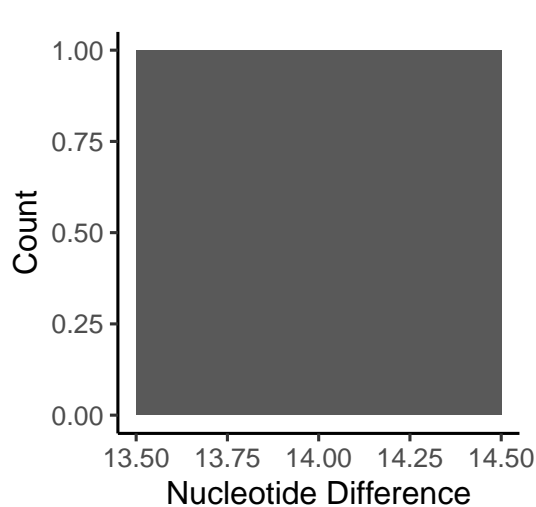
IGHV1–3*04

32 sequences assigned
No exact matches.



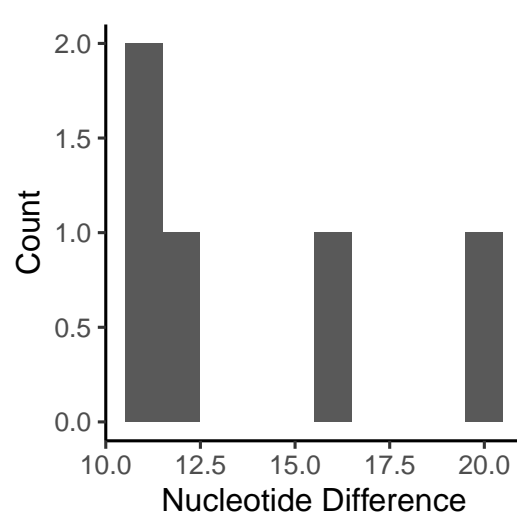
IGHV1–45*02

1 sequences assigned
No exact matches.



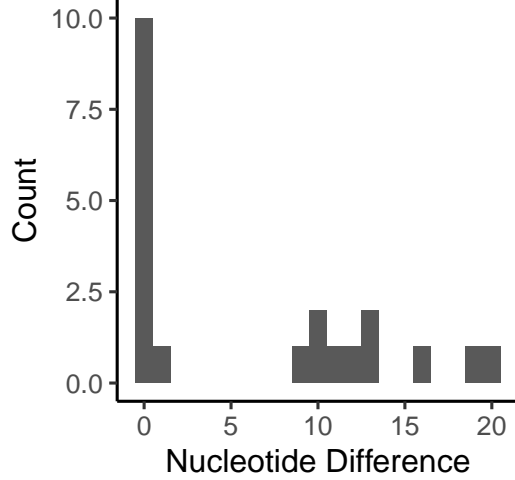
IGHV1–58*01

10 sequences assigned
No exact matches.



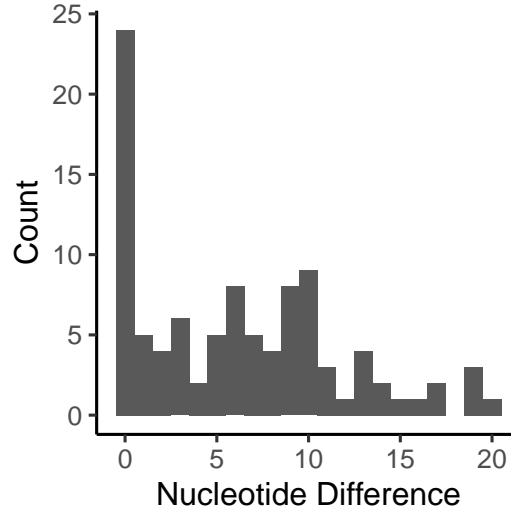
IGHV1-58*02

25 sequences assigned
10 (40%) exact matches, in which:
10 unique CDR3
3 unique J



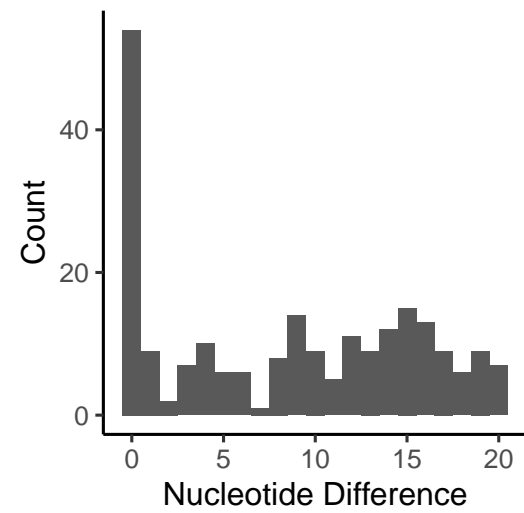
IGHV2-26*01

108 sequences assigned
24 (22.2%) exact matches, in which:
24 unique CDR3
5 unique J



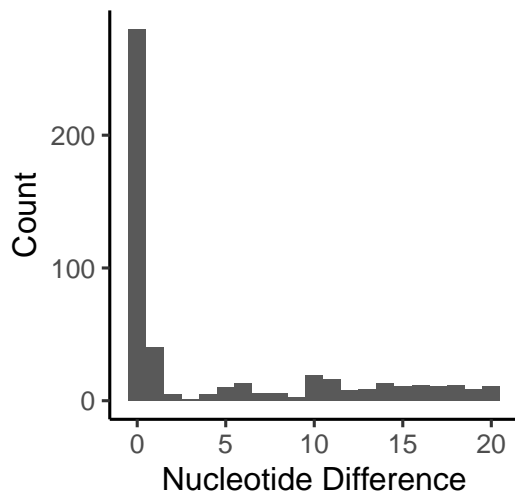
IGHV3-7*03

300 sequences assigned
54 (18%) exact matches, in which:
54 unique CDR3
6 unique J



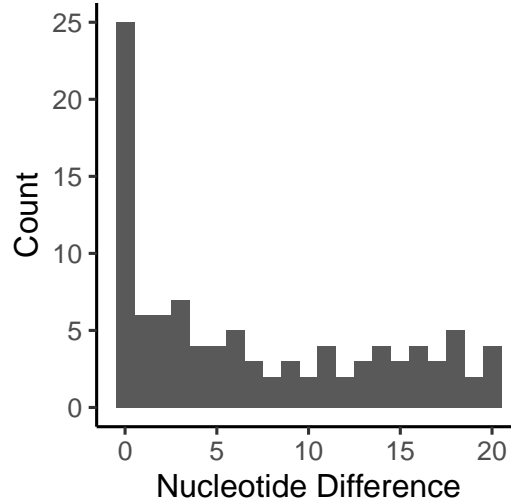
IGHV1-69*04

684 sequences assigned
280 (40.9%) exact matches, in which:
280 unique CDR3
6 unique J



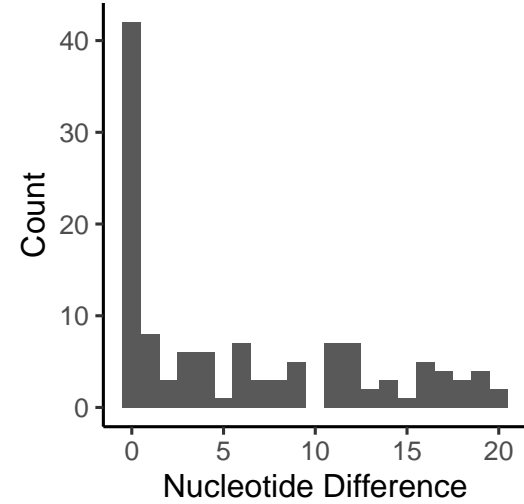
IGHV2-70*15

118 sequences assigned
25 (21.2%) exact matches, in which:
25 unique CDR3
4 unique J



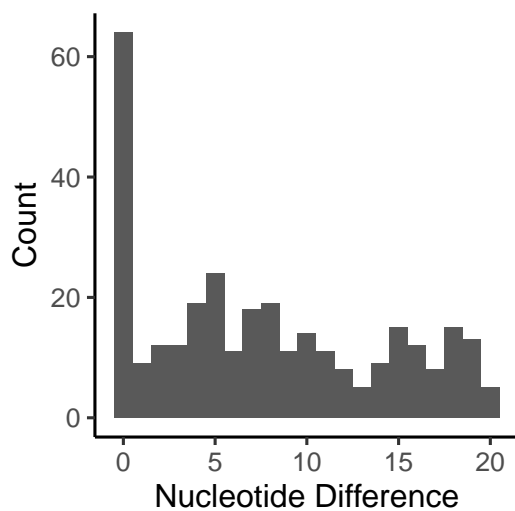
IGHV3-11*06

174 sequences assigned
42 (24.1%) exact matches, in which:
42 unique CDR3
5 unique J



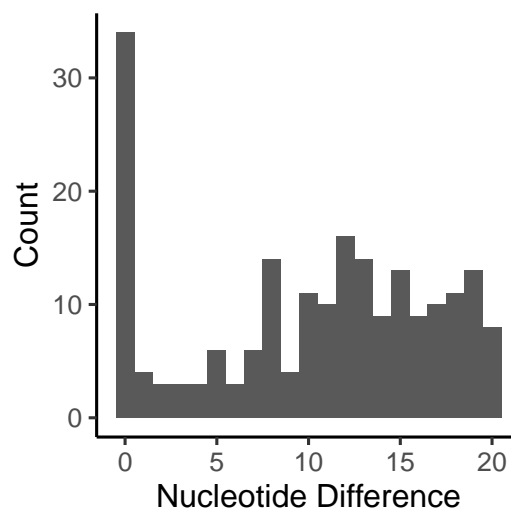
IGHV2-5*02

378 sequences assigned
64 (16.9%) exact matches, in which:
64 unique CDR3
5 unique J



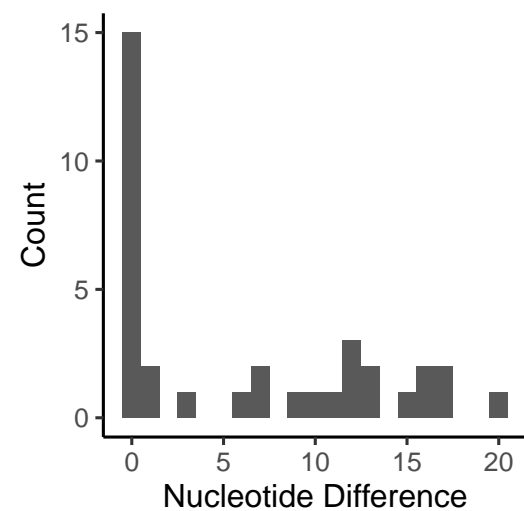
IGHV3-7*01

266 sequences assigned
34 (12.8%) exact matches, in which:
34 unique CDR3
5 unique J



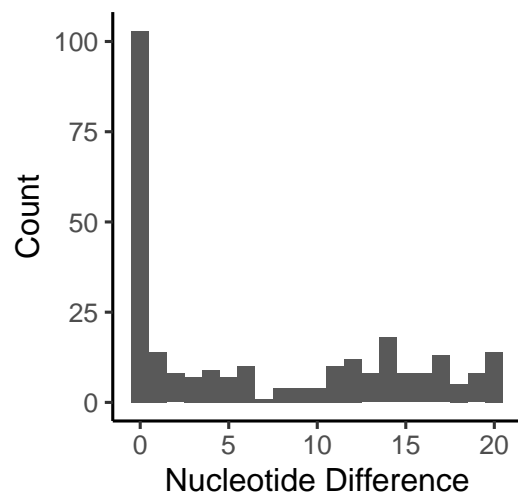
IGHV3-13*05

42 sequences assigned
15 (35.7%) exact matches, in which:
15 unique CDR3
4 unique J



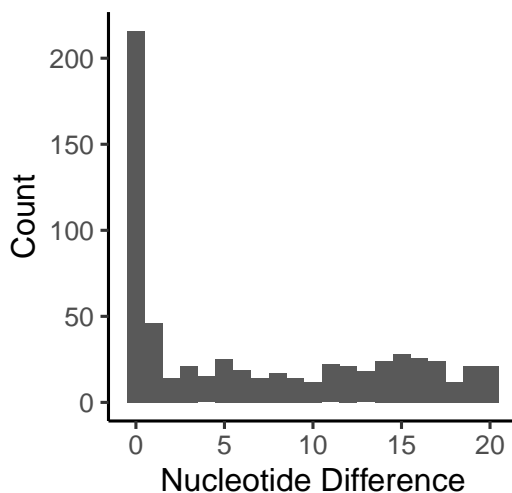
IGHV3-15*01

373 sequences assigned
103 (27.6%) exact matches, in which:
103 unique CDR3
5 unique J



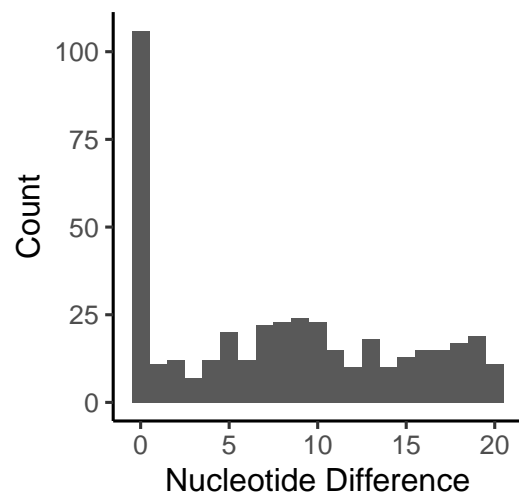
IGHV3-30-3*01

881 sequences assigned
216 (24.5%) exact matches, in which:
215 unique CDR3
6 unique J



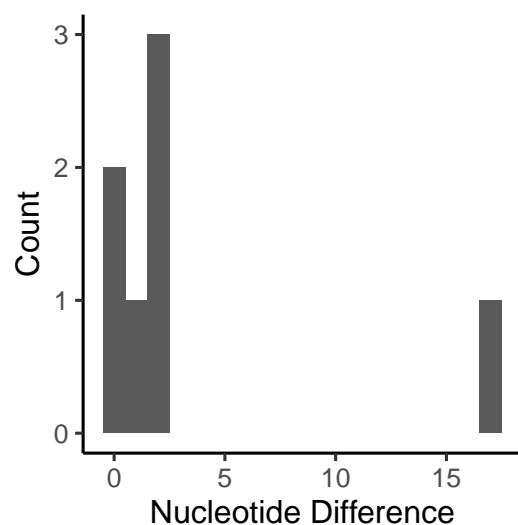
IGHV3-48*01

535 sequences assigned
106 (19.8%) exact matches, in which:
106 unique CDR3
6 unique J



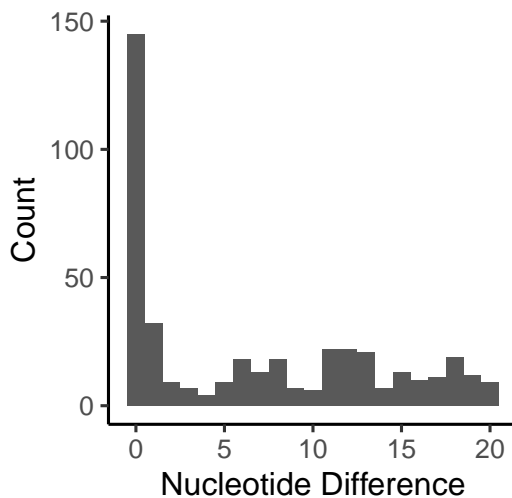
IGHV3-20*01

11 sequences assigned
2 (18.2%) exact matches, in which:
2 unique CDR3
1 unique J



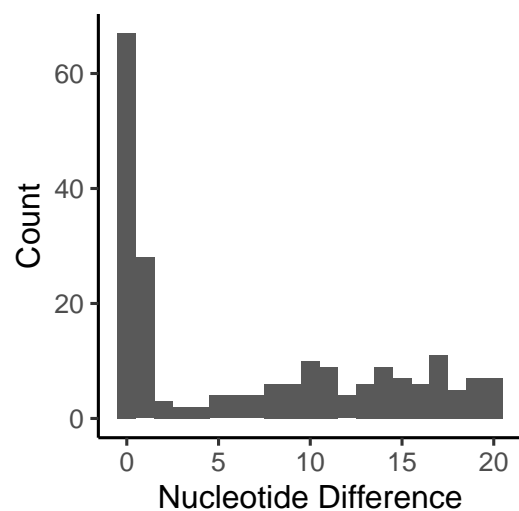
IGHV3-33*01

554 sequences assigned
145 (26.2%) exact matches, in which:
142 unique CDR3
6 unique J



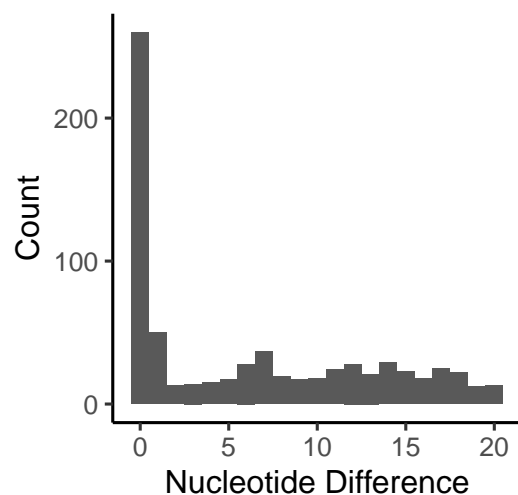
IGHV3-49*03

265 sequences assigned
67 (25.3%) exact matches, in which:
66 unique CDR3
4 unique J



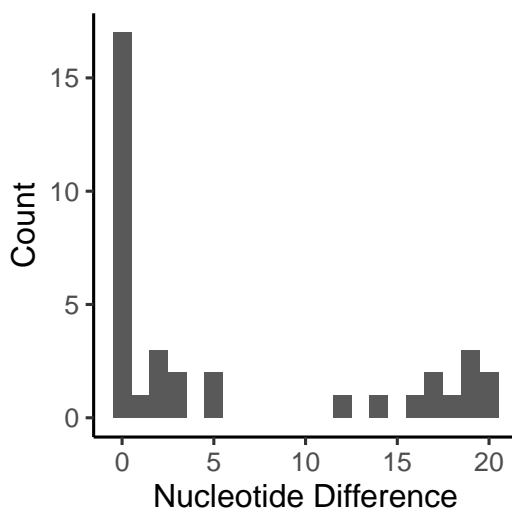
IGHV3-21*01

823 sequences assigned
260 (31.6%) exact matches, in which:
258 unique CDR3
6 unique J



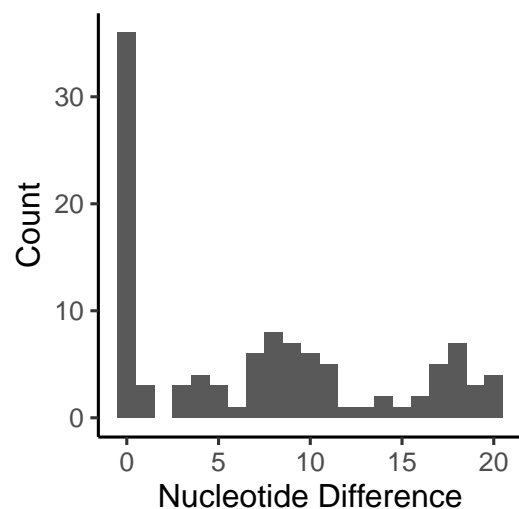
IGHV3-43*01

61 sequences assigned
17 (27.9%) exact matches, in which:
17 unique CDR3
3 unique J



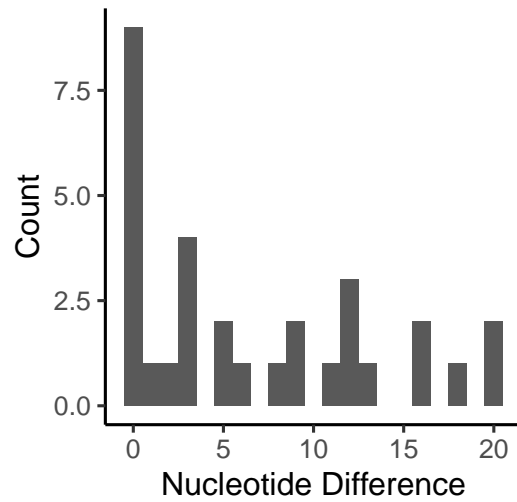
IGHV3-53*02

133 sequences assigned
36 (27.1%) exact matches, in which:
36 unique CDR3
5 unique J



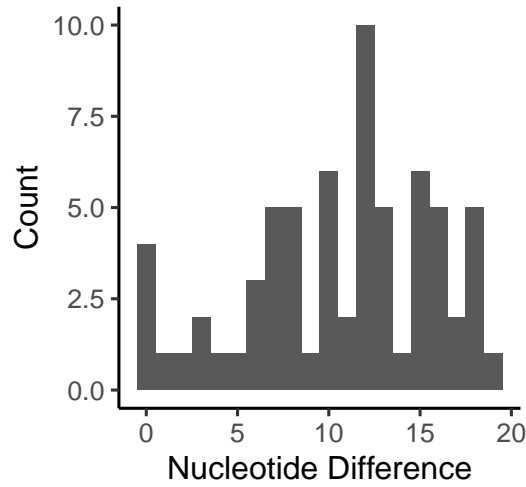
IGHV3-64*01

47 sequences assigned
9 (19.1%) exact matches, in which:
9 unique CDR3
5 unique J



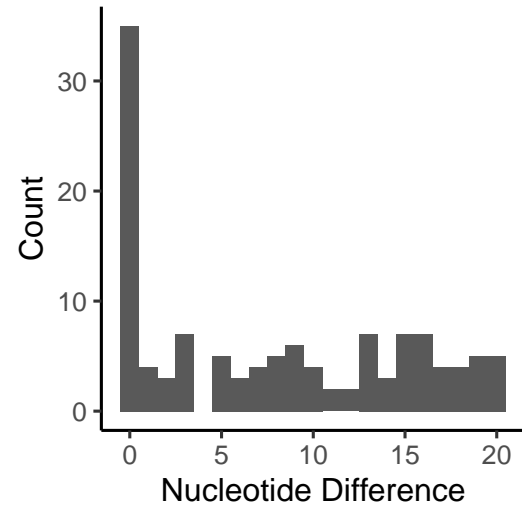
IGHV3-72*01

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



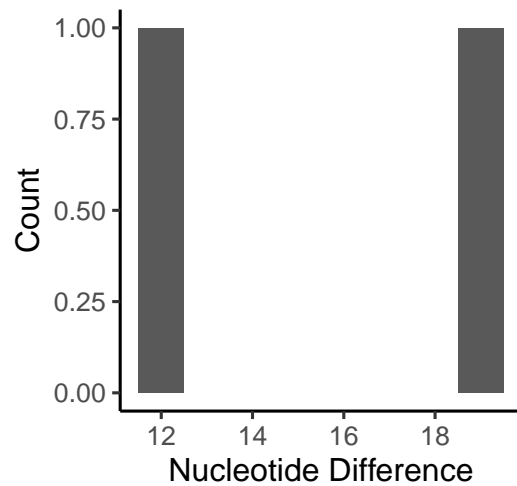
IGHV3-64D*06

165 sequences assigned
35 (21.2%) exact matches, in which:
35 unique CDR3
4 unique J



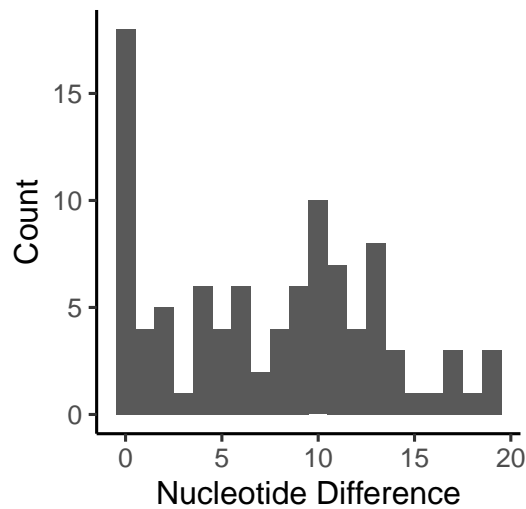
IGHV3-64*07

8 sequences assigned
No exact matches.



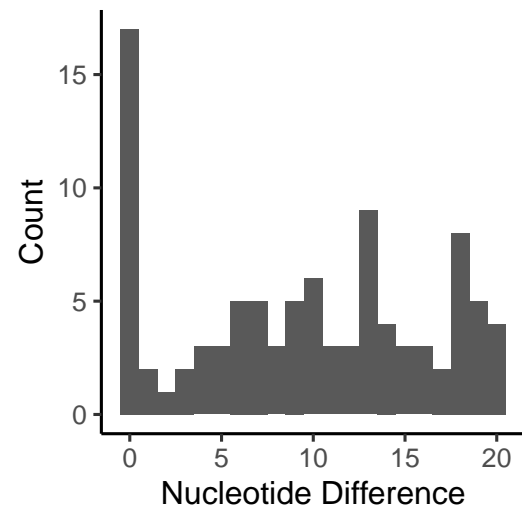
IGHV3-73*01

108 sequences assigned
18 (16.7%) exact matches, in which:
18 unique CDR3
5 unique J



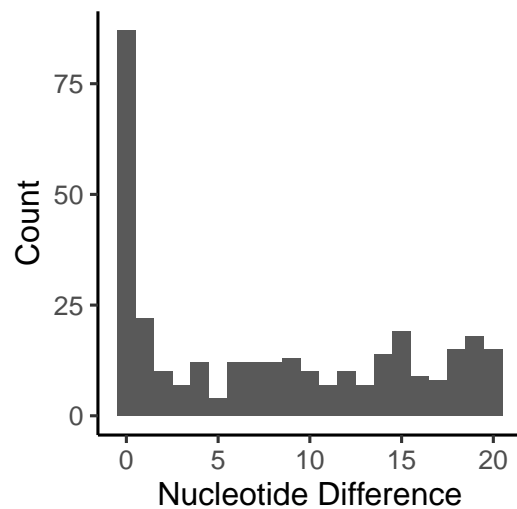
IGHV4-4*02

144 sequences assigned
17 (11.8%) exact matches, in which:
17 unique CDR3
5 unique J



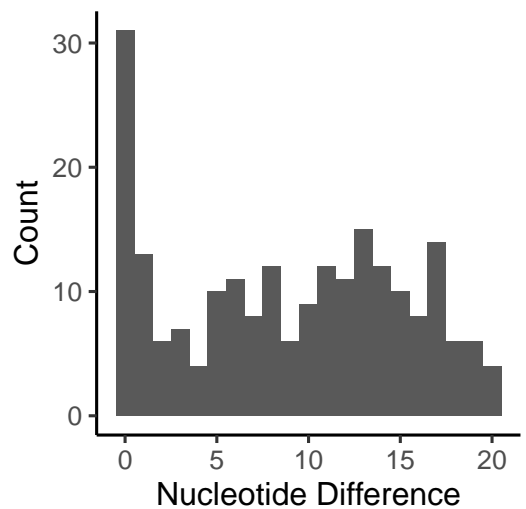
IGHV3-66*01

410 sequences assigned
87 (21.2%) exact matches, in which:
87 unique CDR3
5 unique J



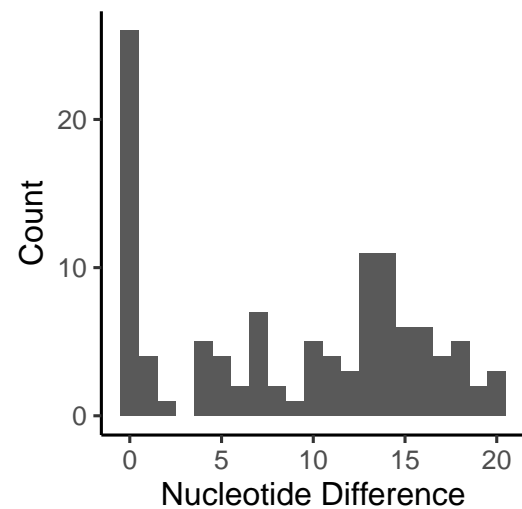
IGHV3-74*01

285 sequences assigned
31 (10.9%) exact matches, in which:
31 unique CDR3
5 unique J



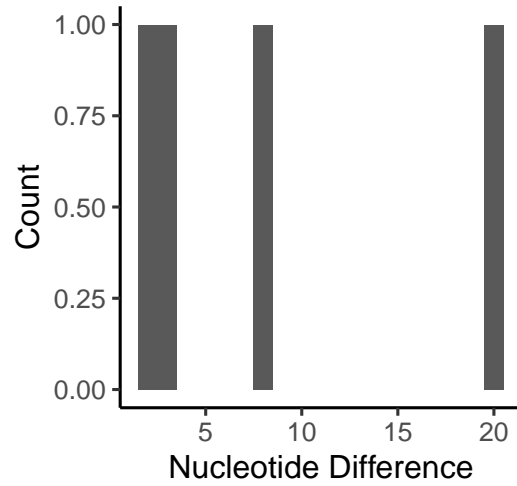
IGHV4-4*07

171 sequences assigned
26 (15.2%) exact matches, in which:
26 unique CDR3
4 unique J



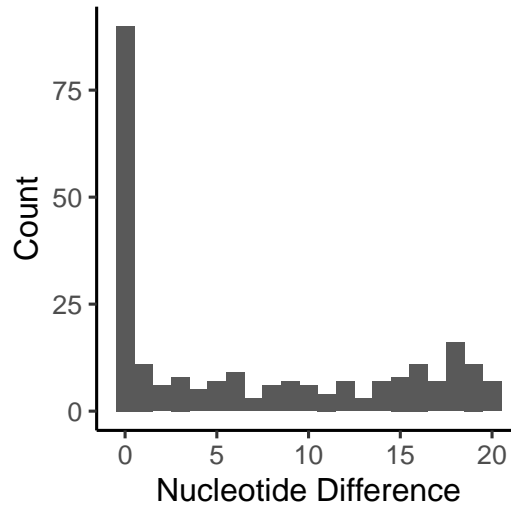
IGHV4-28*01

6 sequences assigned
No exact matches.



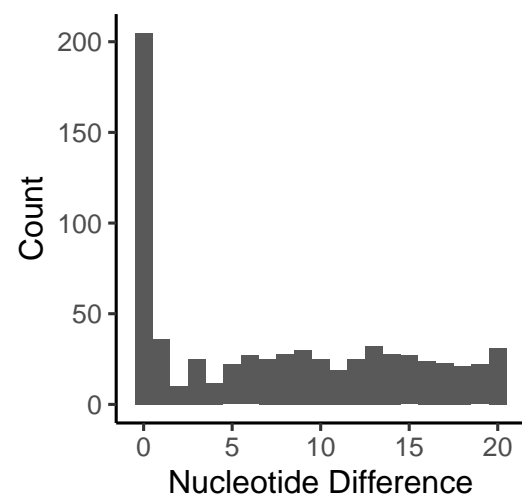
IGHV4-31*03

386 sequences assigned
90 (23.3%) exact matches, in which:
88 unique CDR3
5 unique J



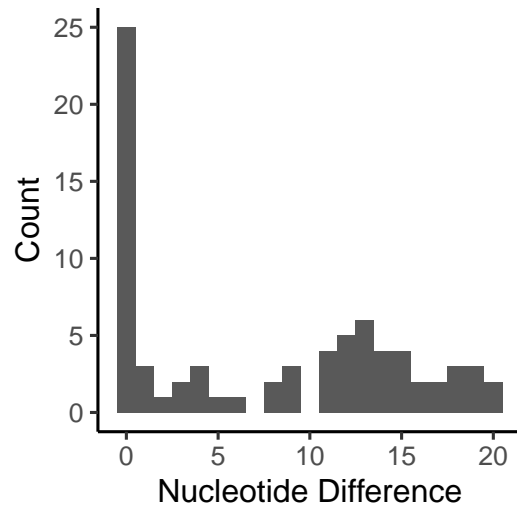
IGHV4-39*01

1043 sequences assigned
205 (19.7%) exact matches, in which:
202 unique CDR3
6 unique J



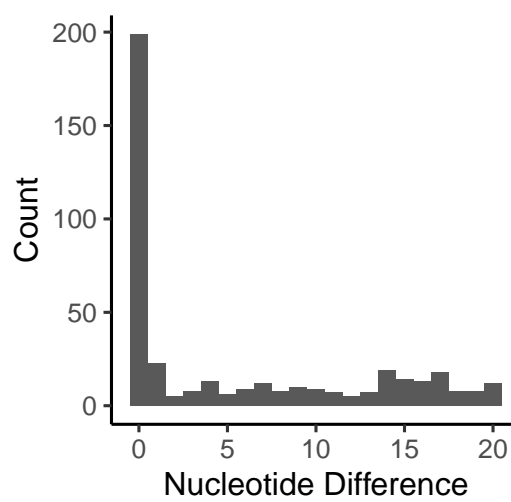
IGHV4-30-2*01

108 sequences assigned
25 (23.1%) exact matches, in which:
25 unique CDR3
4 unique J



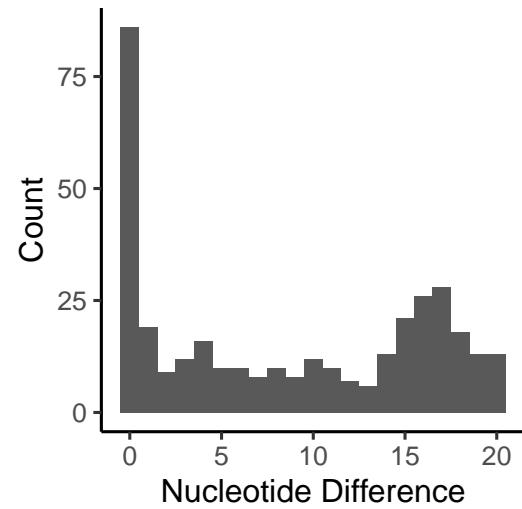
IGHV4-34*01

565 sequences assigned
199 (35.2%) exact matches, in which:
199 unique CDR3
6 unique J



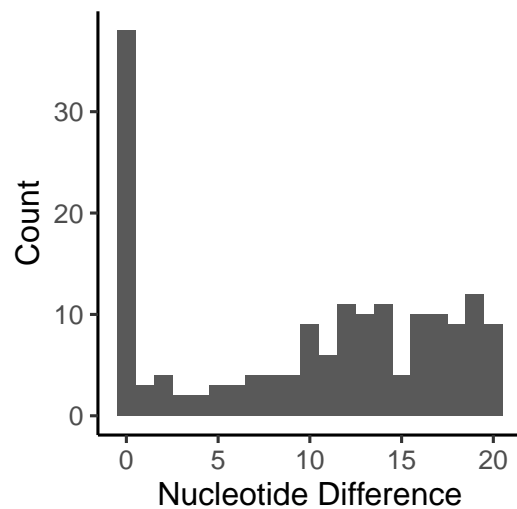
IGHV4-59*01

476 sequences assigned
86 (18.1%) exact matches, in which:
86 unique CDR3
5 unique J



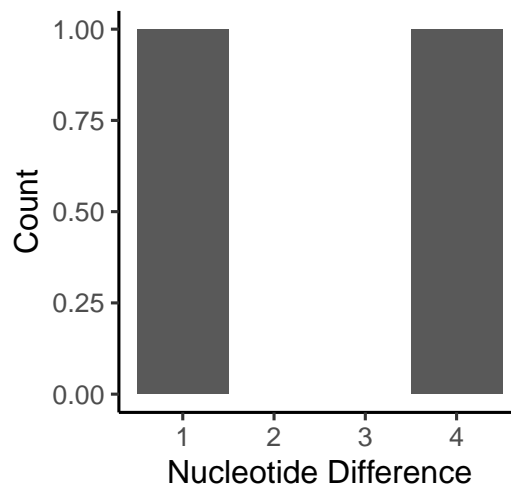
IGHV4-30-4*01

236 sequences assigned
38 (16.1%) exact matches, in which:
38 unique CDR3
5 unique J



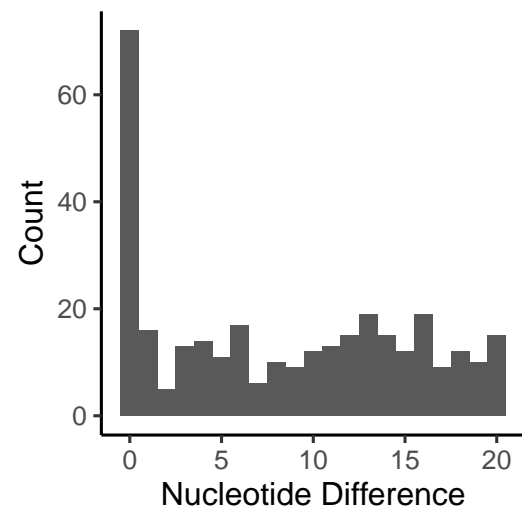
IGHV4-38-2*02

2 sequences assigned
No exact matches.



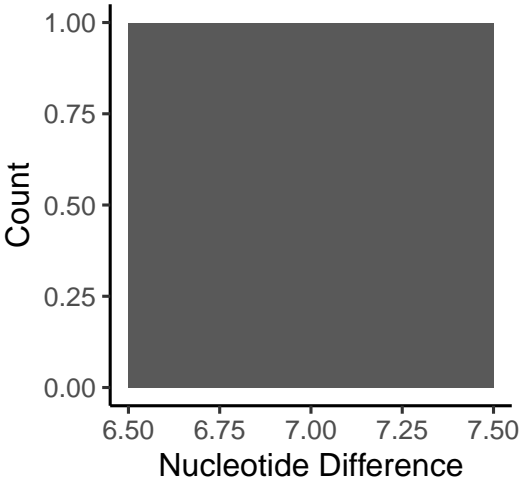
IGHV4-59*08

457 sequences assigned
72 (15.8%) exact matches, in which:
72 unique CDR3
5 unique J



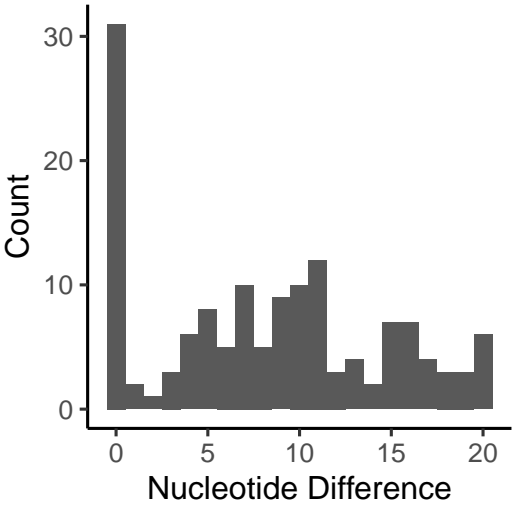
IGHV4-61*03

1 sequences assigned
No exact matches.



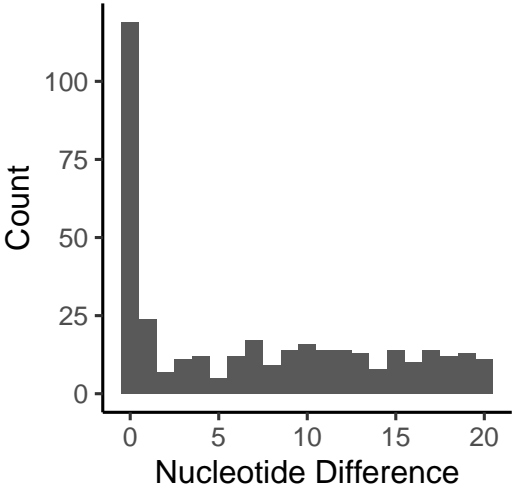
IGHV6-1*01

179 sequences assigned
31 (17.3%) exact matches, in which:
31 unique CDR3
5 unique J



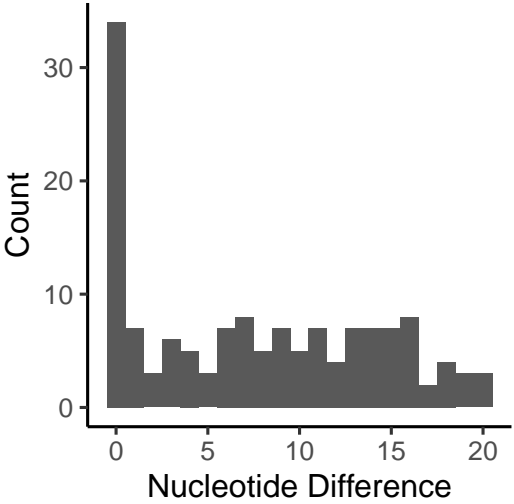
IGHV5-10-1*03

536 sequences assigned
119 (22.2%) exact matches, in which:
118 unique CDR3
5 unique J



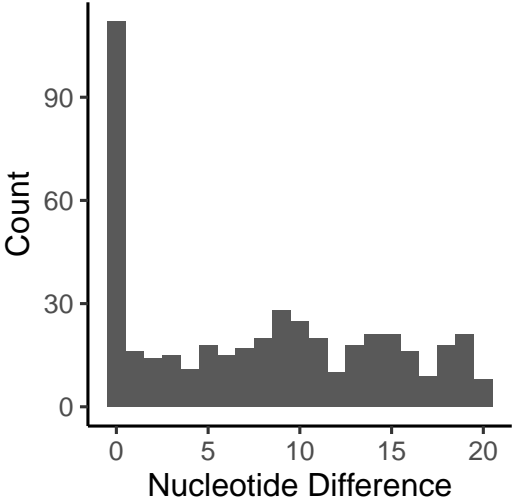
IGHV7-4-1*02

172 sequences assigned
34 (19.8%) exact matches, in which:
34 unique CDR3
5 unique J



IGHV5-51*01_C45G

597 sequences assigned
112 (18.8%) exact matches, in which:
112 unique CDR3
6 unique J





Warning – no inferred sequences found.