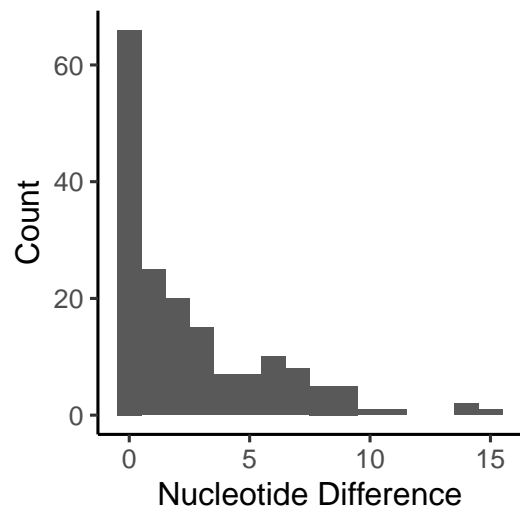


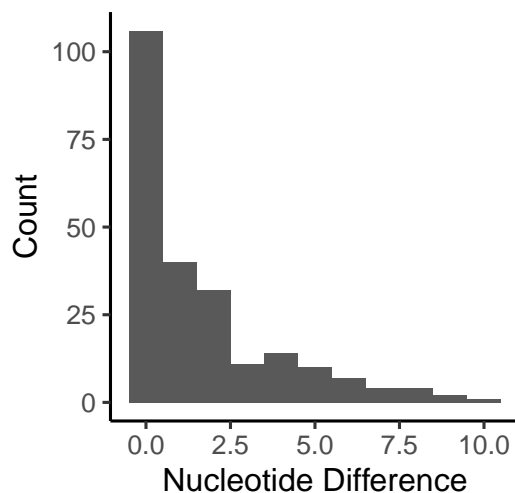
IGHV1-2*02

173 sequences assigned
66 (38.2%) exact matches, in which:
66 unique CDR3
4 unique J



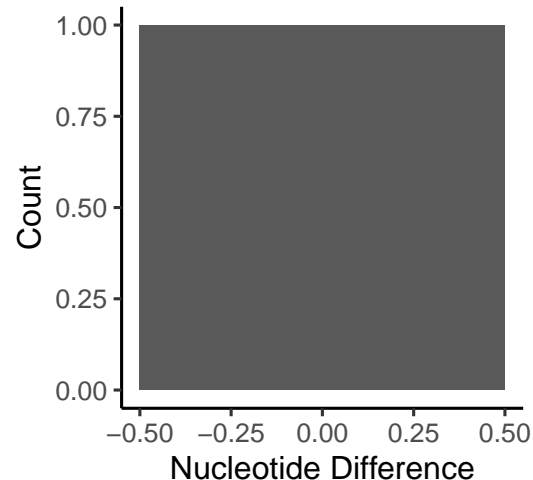
IGHV1-8*01

231 sequences assigned
106 (45.9%) exact matches, in which:
102 unique CDR3
7 unique J



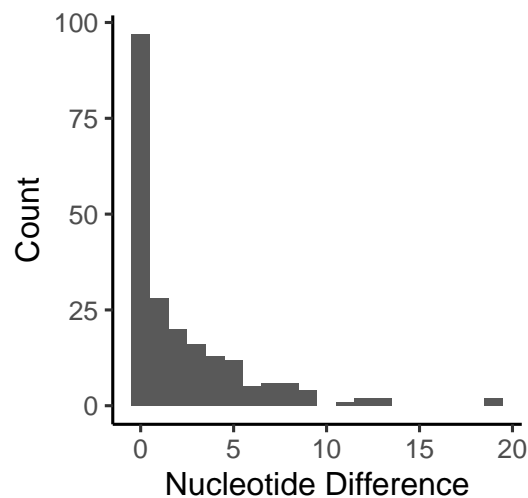
IGHV1-45*02

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



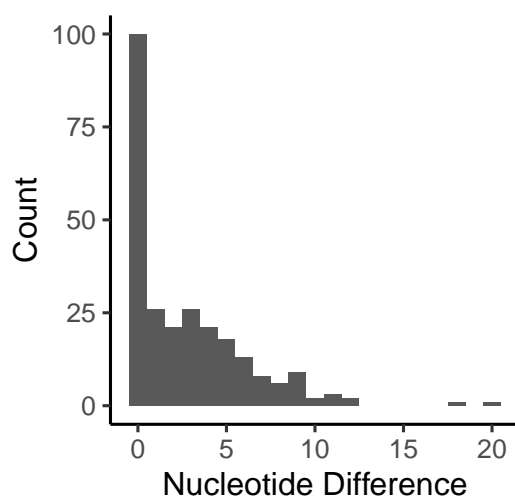
IGHV1-2*06

214 sequences assigned
97 (45.3%) exact matches, in which:
92 unique CDR3
6 unique J



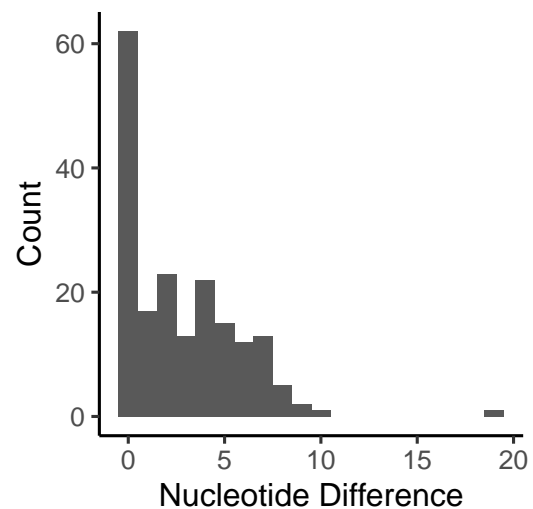
IGHV1-18*01

257 sequences assigned
100 (38.9%) exact matches, in which:
98 unique CDR3
7 unique J



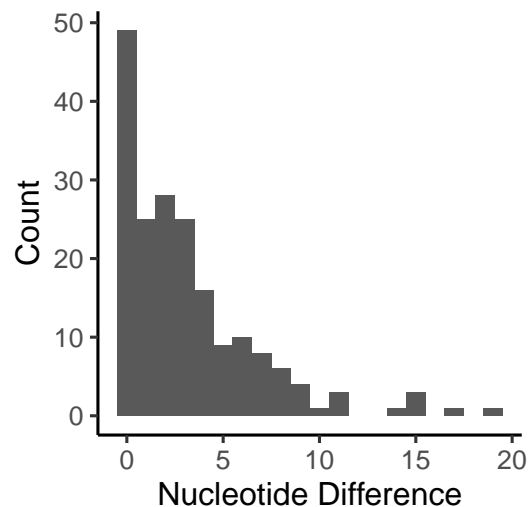
IGHV1-46*01

188 sequences assigned
62 (33%) exact matches, in which:
59 unique CDR3
5 unique J



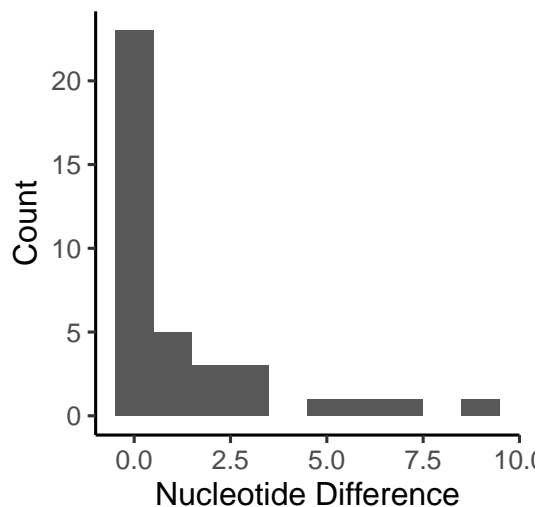
IGHV1-3*01

190 sequences assigned
49 (25.8%) exact matches, in which:
48 unique CDR3
5 unique J



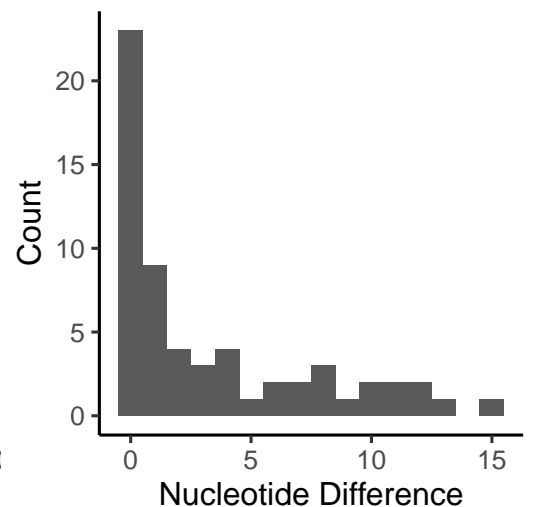
IGHV1-24*01

38 sequences assigned
23 (60.5%) exact matches, in which:
22 unique CDR3
5 unique J



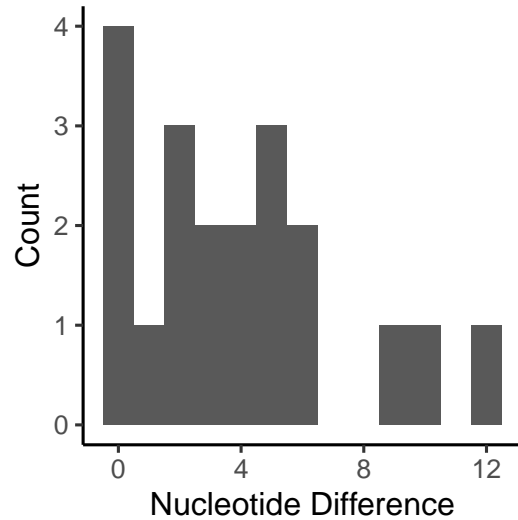
IGHV1-46*03

60 sequences assigned
23 (38.3%) exact matches, in which:
22 unique CDR3
5 unique J



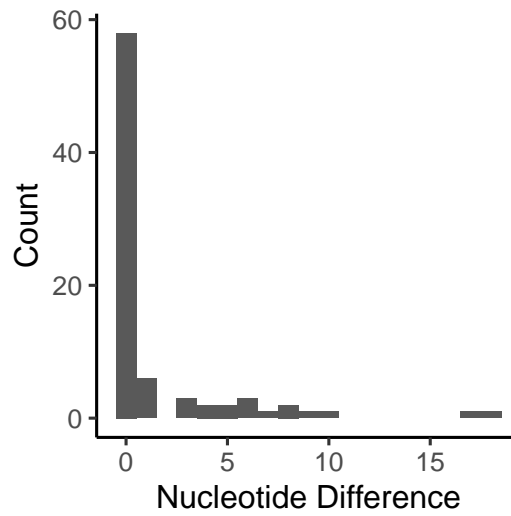
IGHV1-58*02

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



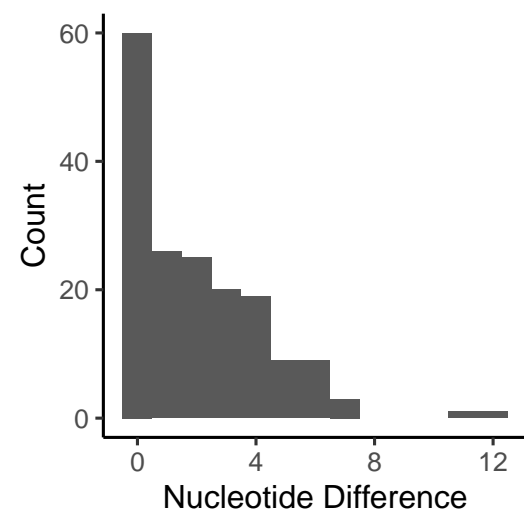
IGHV1-69*08_C191T

81 sequences assigned
58 (71.6%) exact matches, in which:
58 unique CDR3
6 unique J



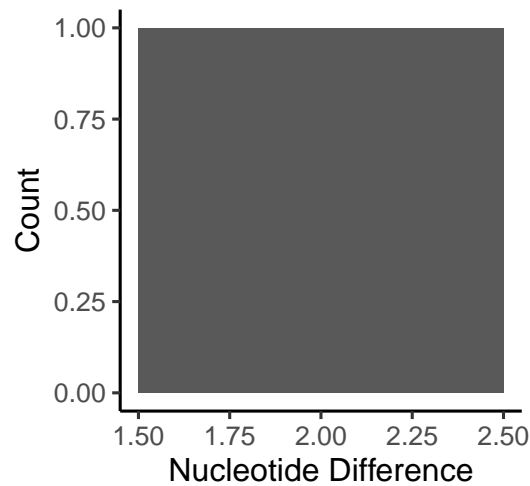
IGHV2-5*02

173 sequences assigned
60 (34.7%) exact matches, in which:
59 unique CDR3
6 unique J



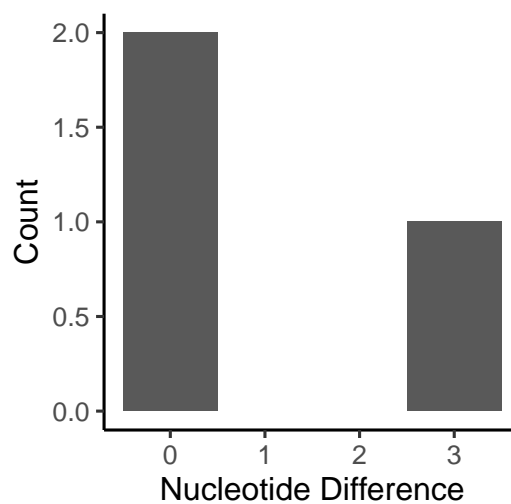
IGHV1-68*02

1 sequences assigned
No exact matches.



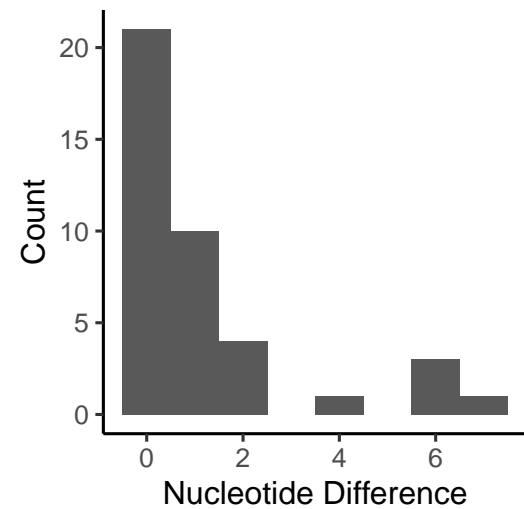
IGHV1-69D*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



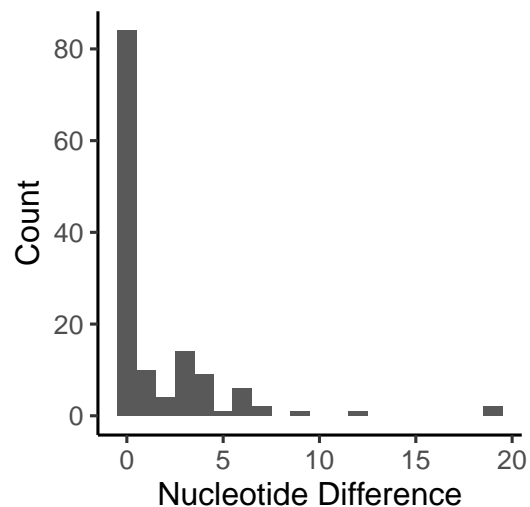
IGHV2-26*01

40 sequences assigned
21 (52.5%) exact matches, in which:
20 unique CDR3
5 unique J



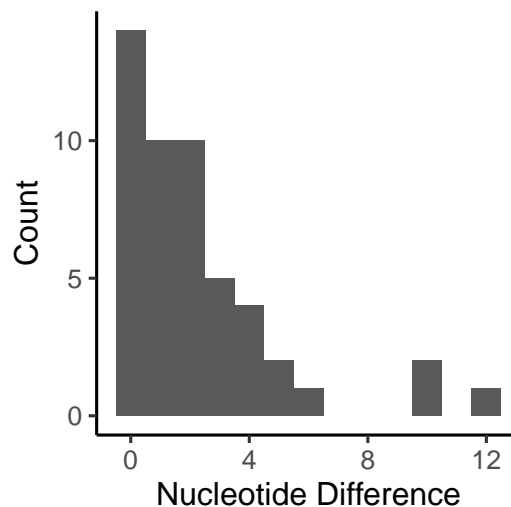
IGHV1-69*10

136 sequences assigned
84 (61.8%) exact matches, in which:
84 unique CDR3
6 unique J



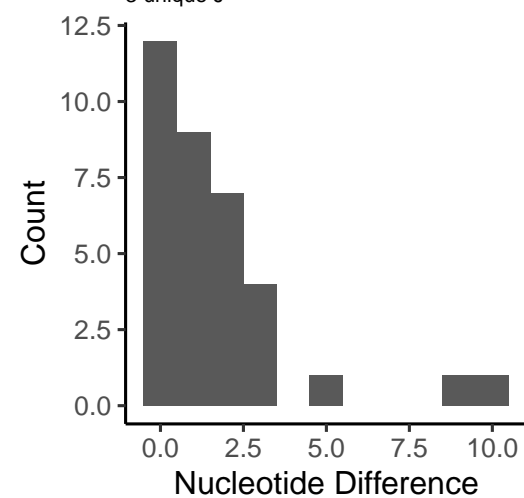
IGHV2-5*01

49 sequences assigned
14 (28.6%) exact matches, in which:
14 unique CDR3
5 unique J



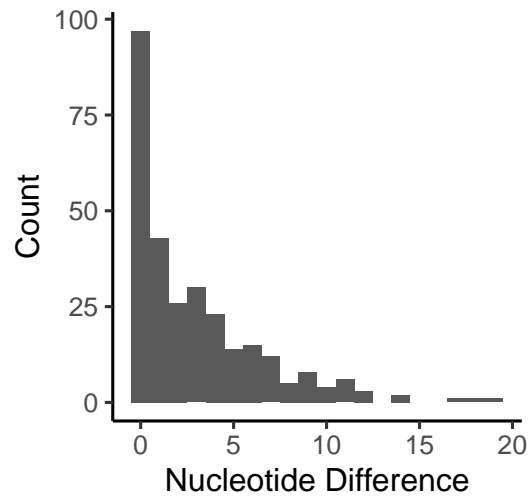
IGHV2-70*15

35 sequences assigned
12 (34.3%) exact matches, in which:
12 unique CDR3
3 unique J



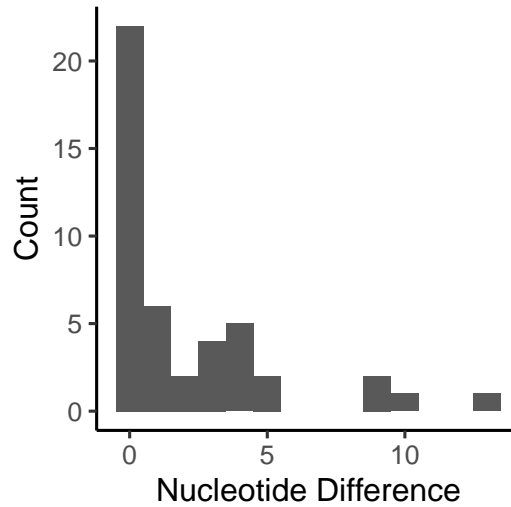
IGHV3-7*01

292 sequences assigned
97 (33.2%) exact matches, in which:
96 unique CDR3
7 unique J



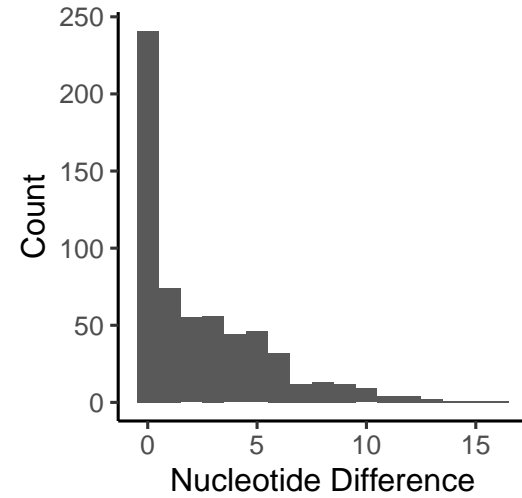
IGHV3-13*01

45 sequences assigned
22 (48.9%) exact matches, in which:
22 unique CDR3
5 unique J



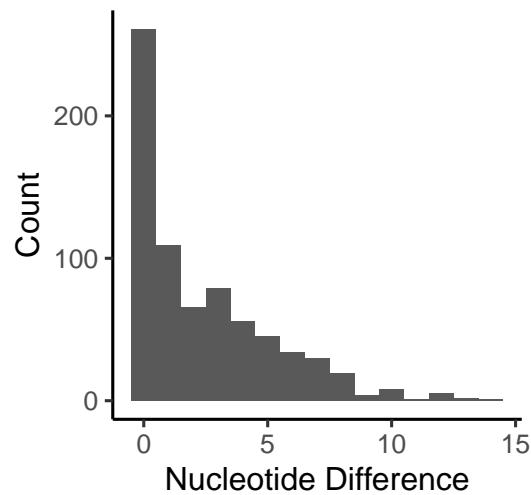
IGHV3-21*01

608 sequences assigned
241 (39.6%) exact matches, in which:
237 unique CDR3
7 unique J



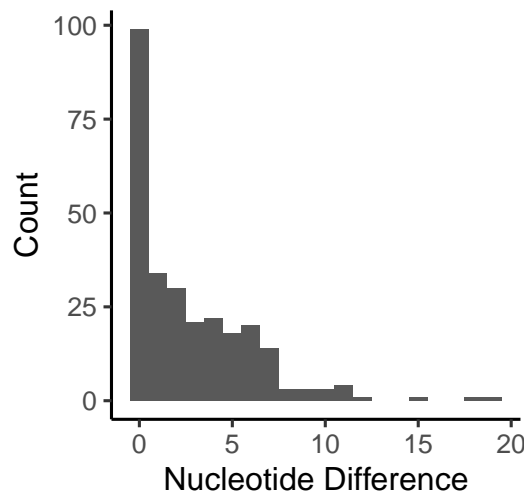
IGHV3-9*01

720 sequences assigned
261 (36.2%) exact matches, in which:
248 unique CDR3
7 unique J



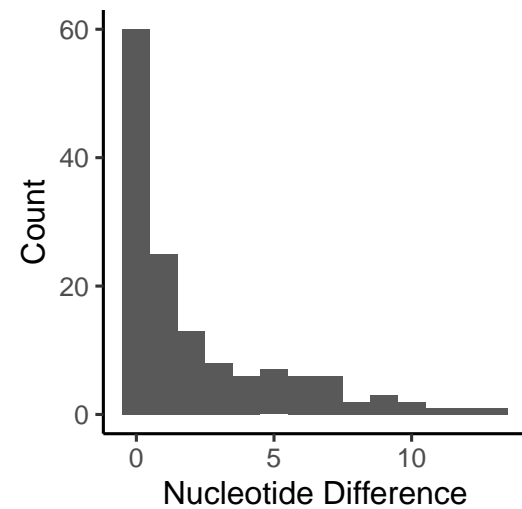
IGHV3-15*01

276 sequences assigned
99 (35.9%) exact matches, in which:
96 unique CDR3
7 unique J



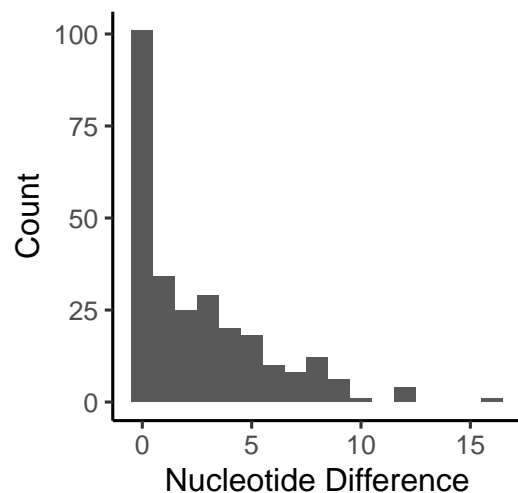
IGHV3-30-3*01

141 sequences assigned
60 (42.6%) exact matches, in which:
59 unique CDR3
5 unique J



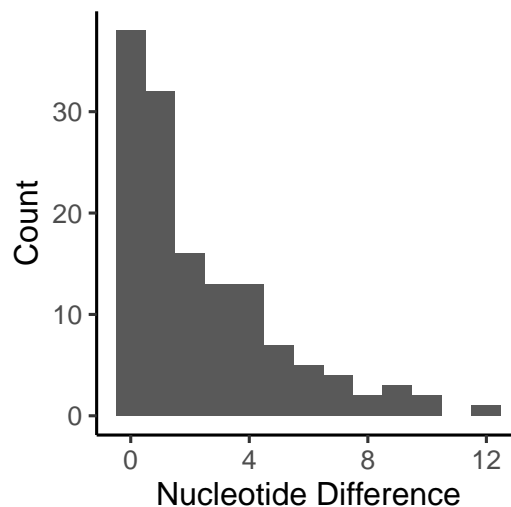
IGHV3-11*01

269 sequences assigned
101 (37.5%) exact matches, in which:
99 unique CDR3
7 unique J



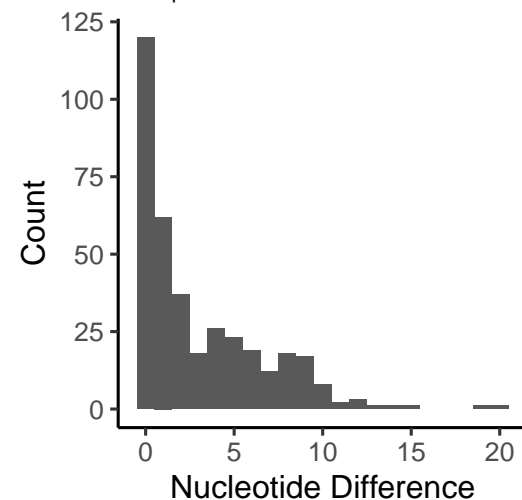
IGHV3-20*01

136 sequences assigned
38 (27.9%) exact matches, in which:
33 unique CDR3
6 unique J



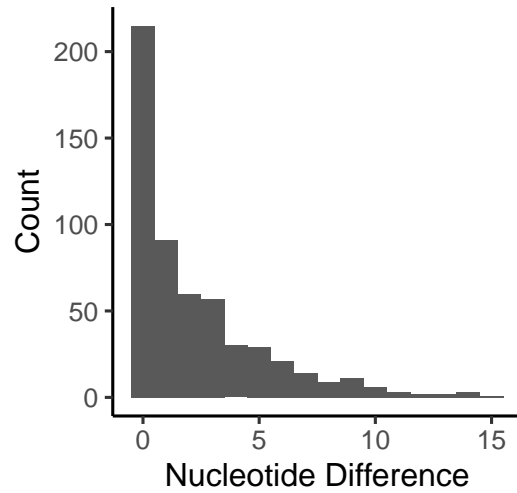
IGHV3-30*19_T189C

371 sequences assigned
120 (32.3%) exact matches, in which:
117 unique CDR3
5 unique J



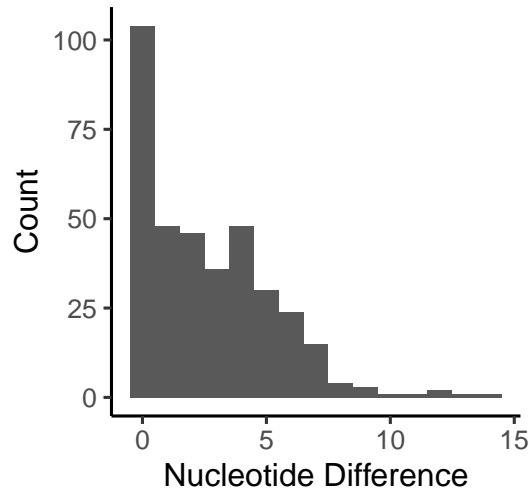
IGHV3–33*01

555 sequences assigned
215 (38.7%) exact matches, in which:
202 unique CDR3
7 unique J



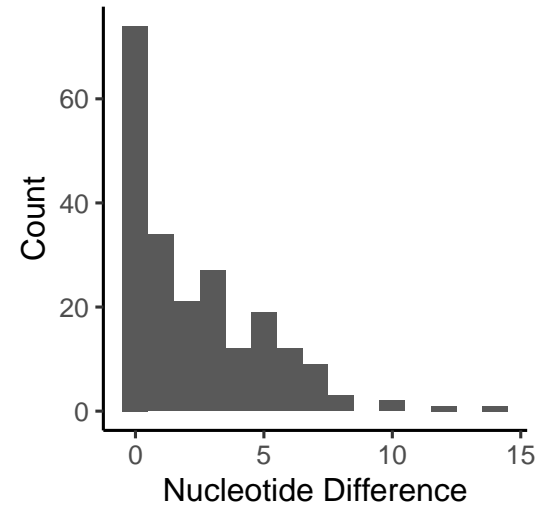
IGHV3–48*03

365 sequences assigned
104 (28.5%) exact matches, in which:
99 unique CDR3
5 unique J



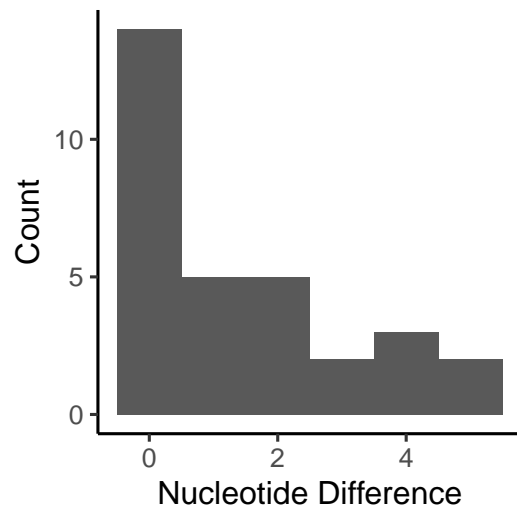
IGHV3–53*01

215 sequences assigned
74 (34.4%) exact matches, in which:
71 unique CDR3
7 unique J



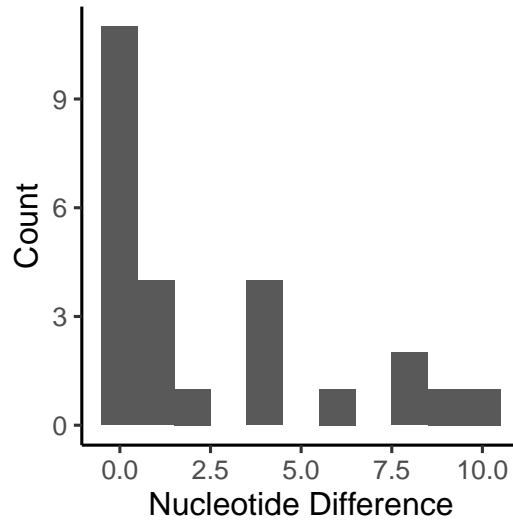
IGHV3–43*01

31 sequences assigned
14 (45.2%) exact matches, in which:
13 unique CDR3
4 unique J



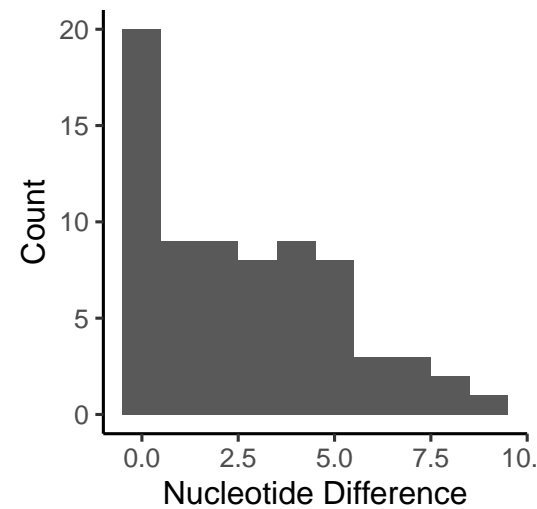
IGHV3–49*03

25 sequences assigned
11 (44%) exact matches, in which:
11 unique CDR3
2 unique J



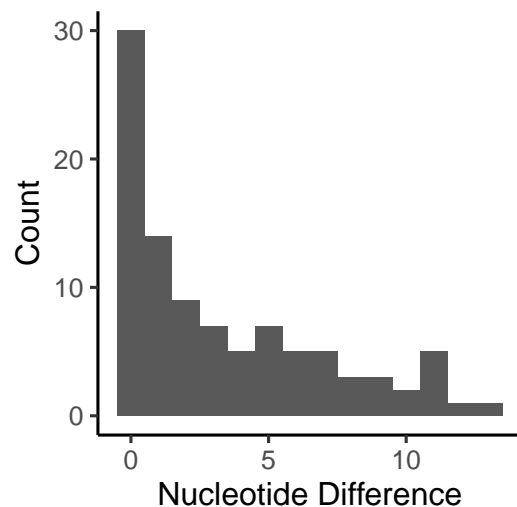
IGHV3–64*01

72 sequences assigned
20 (27.8%) exact matches, in which:
20 unique CDR3
7 unique J



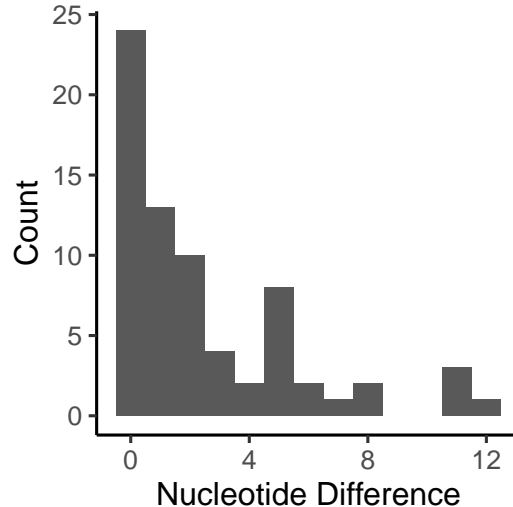
IGHV3–48*01

98 sequences assigned
30 (30.6%) exact matches, in which:
30 unique CDR3
6 unique J



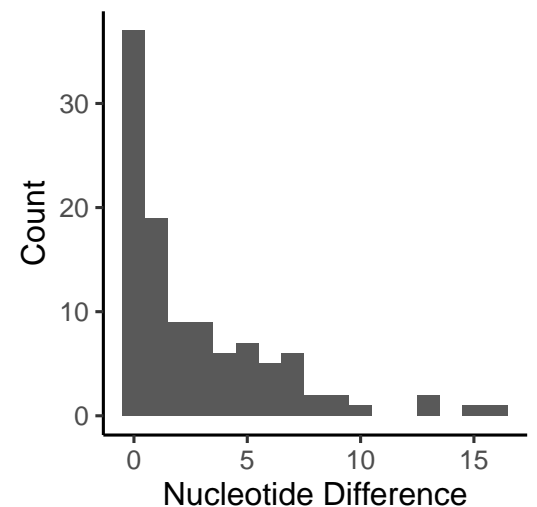
IGHV3–49*04

71 sequences assigned
24 (33.8%) exact matches, in which:
24 unique CDR3
4 unique J



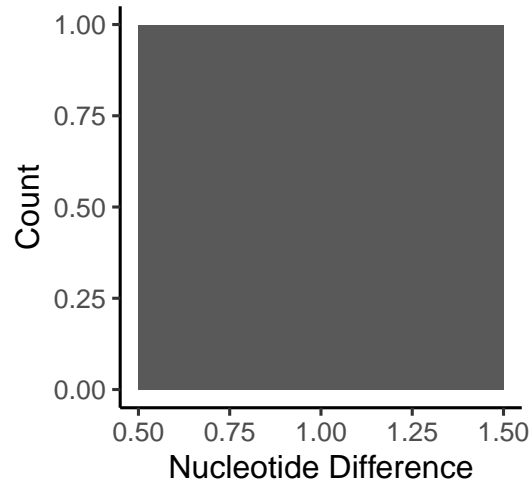
IGHV3–66*01

107 sequences assigned
37 (34.6%) exact matches, in which:
35 unique CDR3
5 unique J



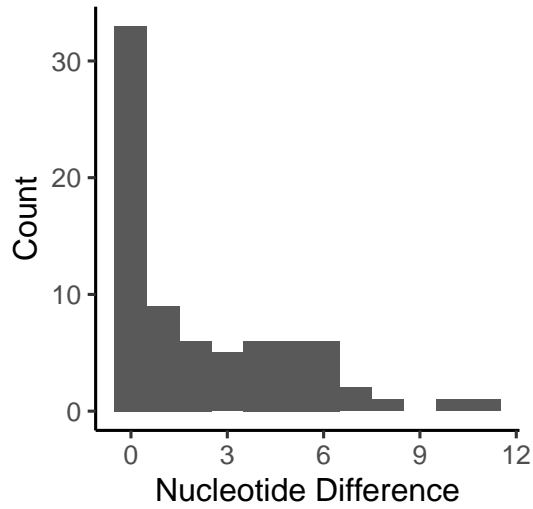
IGHV3-71*02

1 sequences assigned
No exact matches.



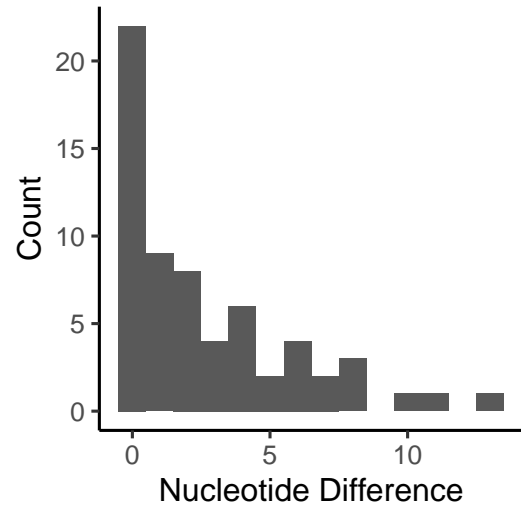
IGHV3-73*01

76 sequences assigned
33 (43.4%) exact matches, in which:
32 unique CDR3
5 unique J



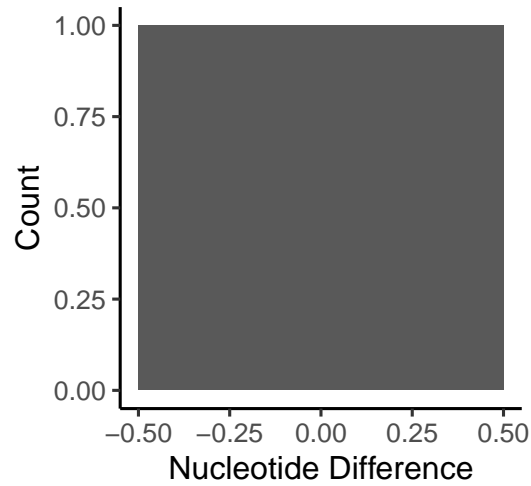
IGHV4-4*07

63 sequences assigned
22 (34.9%) exact matches, in which:
20 unique CDR3
4 unique J



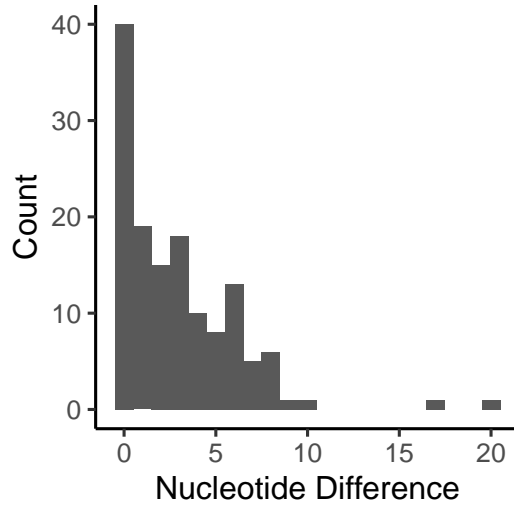
IGHV3-71*03

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



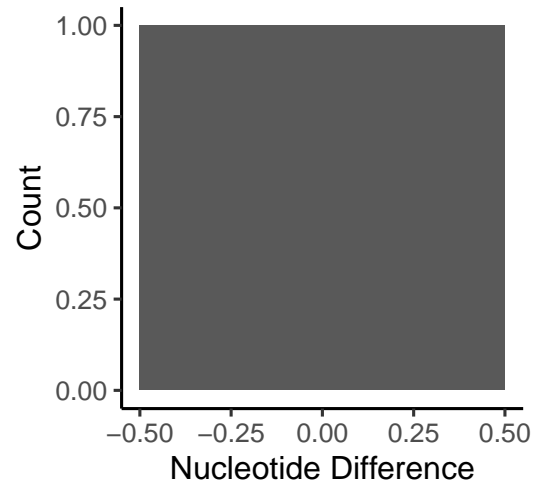
IGHV3-74*01

139 sequences assigned
40 (28.8%) exact matches, in which:
40 unique CDR3
6 unique J



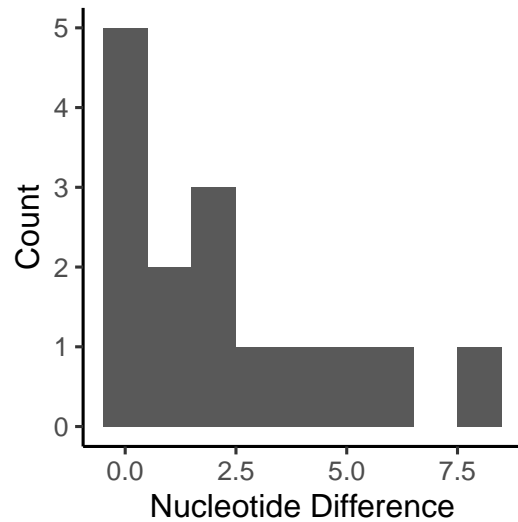
IGHV4-28*01

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



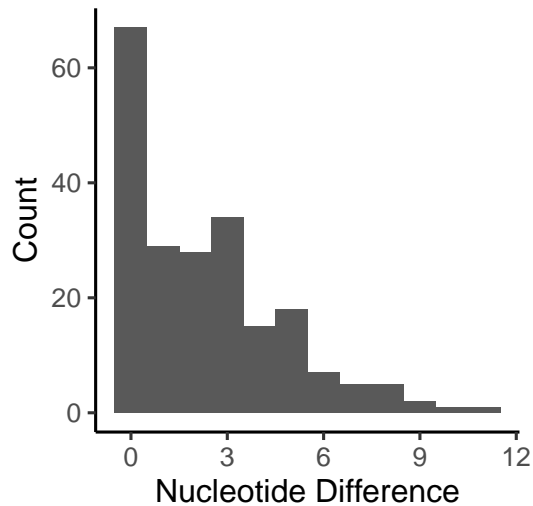
IGHV3-72*01

16 sequences assigned
5 (31.2%) exact matches, in which:
4 unique CDR3
2 unique J



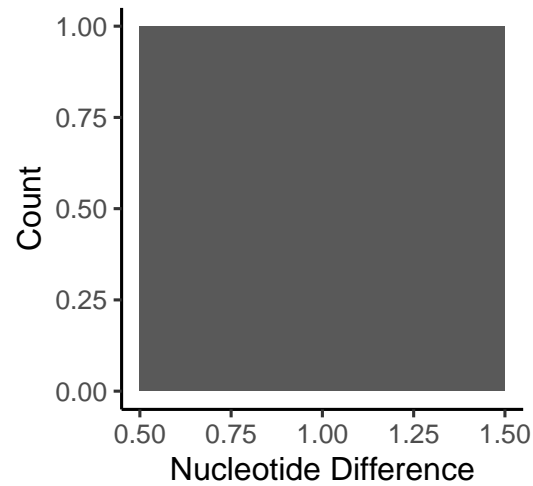
IGHV4-4*02

213 sequences assigned
67 (31.5%) exact matches, in which:
67 unique CDR3
5 unique J



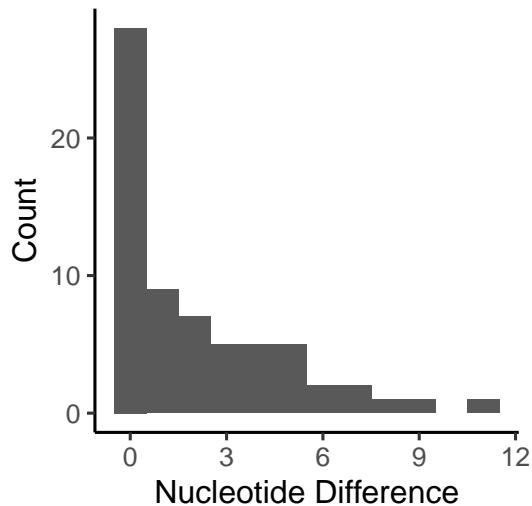
IGHV4-28*03

1 sequences assigned
No exact matches.



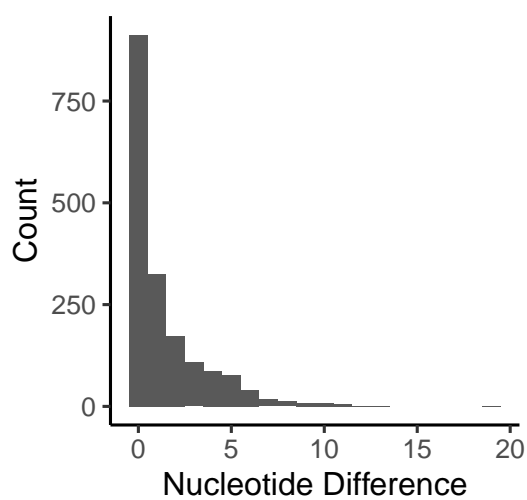
IGHV4-30-2*01

66 sequences assigned
28 (42.4%) exact matches, in which:
27 unique CDR3
5 unique J



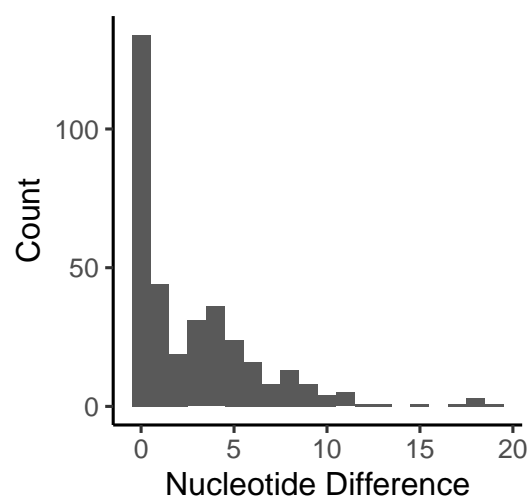
IGHV4-34*01

1786 sequences assigned
913 (51.1%) exact matches, in which:
844 unique CDR3
7 unique J



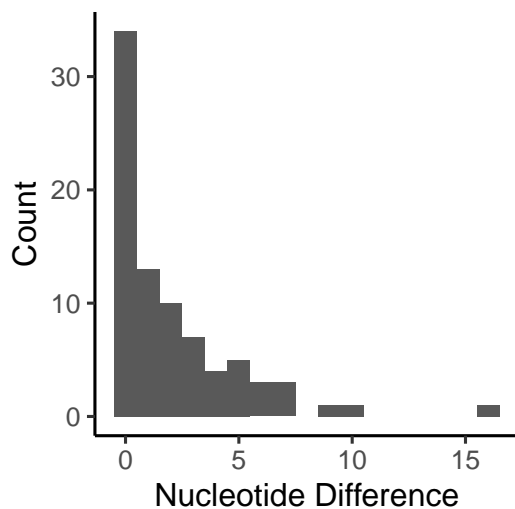
IGHV4-59*01

350 sequences assigned
134 (38.3%) exact matches, in which:
133 unique CDR3
7 unique J



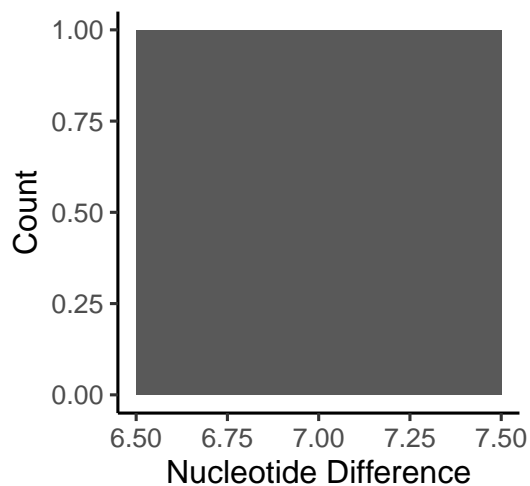
IGHV4-30-4*01_A70G_A107C

82 sequences assigned
34 (41.5%) exact matches, in which:
34 unique CDR3
5 unique J



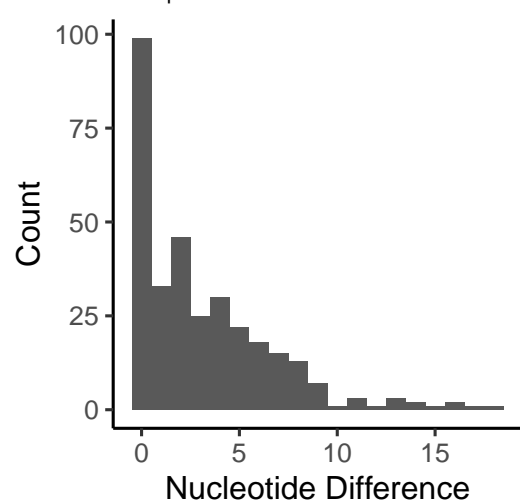
IGHV4-38-2*02

1 sequences assigned
No exact matches.



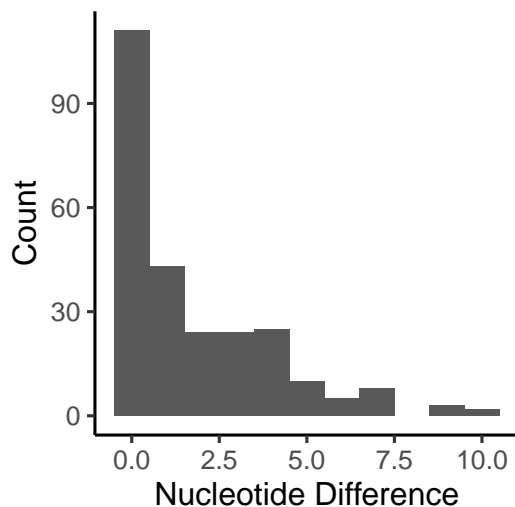
IGHV4-59*08

324 sequences assigned
99 (30.6%) exact matches, in which:
97 unique CDR3
6 unique J



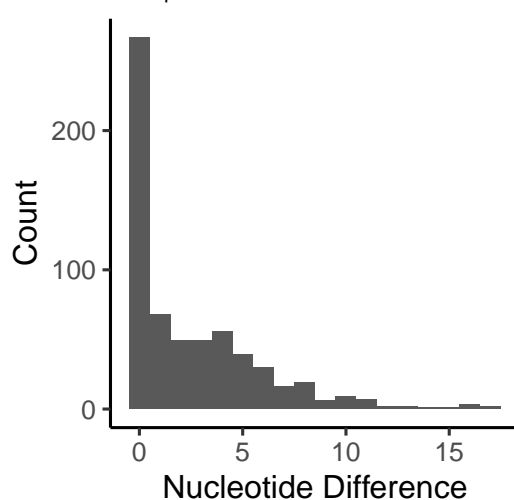
IGHV4-31*03

256 sequences assigned
111 (43.4%) exact matches, in which:
110 unique CDR3
7 unique J



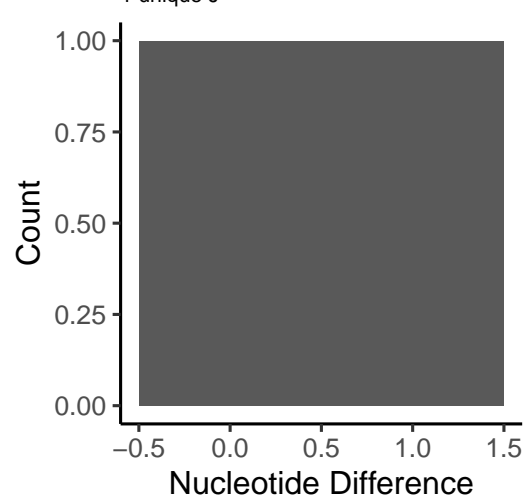
IGHV4-39*01

629 sequences assigned
267 (42.4%) exact matches, in which:
257 unique CDR3
7 unique J



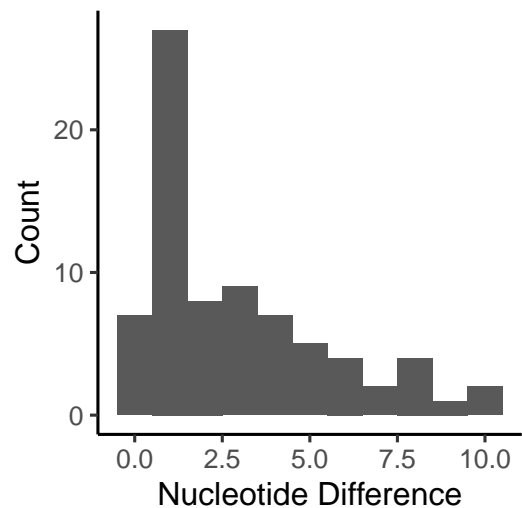
IGHV4-61*07

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



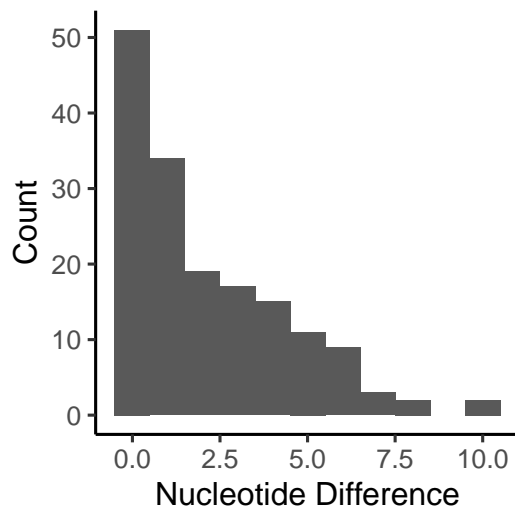
IGHV5-51*01

76 sequences assigned
7 (9.2%) exact matches, in which:
7 unique CDR3
4 unique J



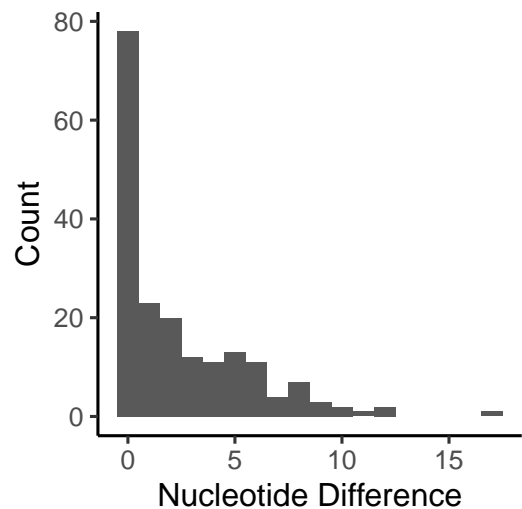
IGHV7-4-1*02

163 sequences assigned
51 (31.3%) exact matches, in which:
50 unique CDR3
6 unique J



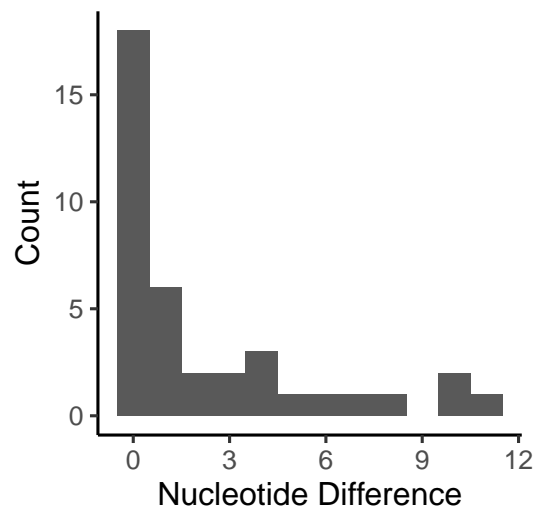
IGHV5-51*03

190 sequences assigned
78 (41.1%) exact matches, in which:
77 unique CDR3
6 unique J

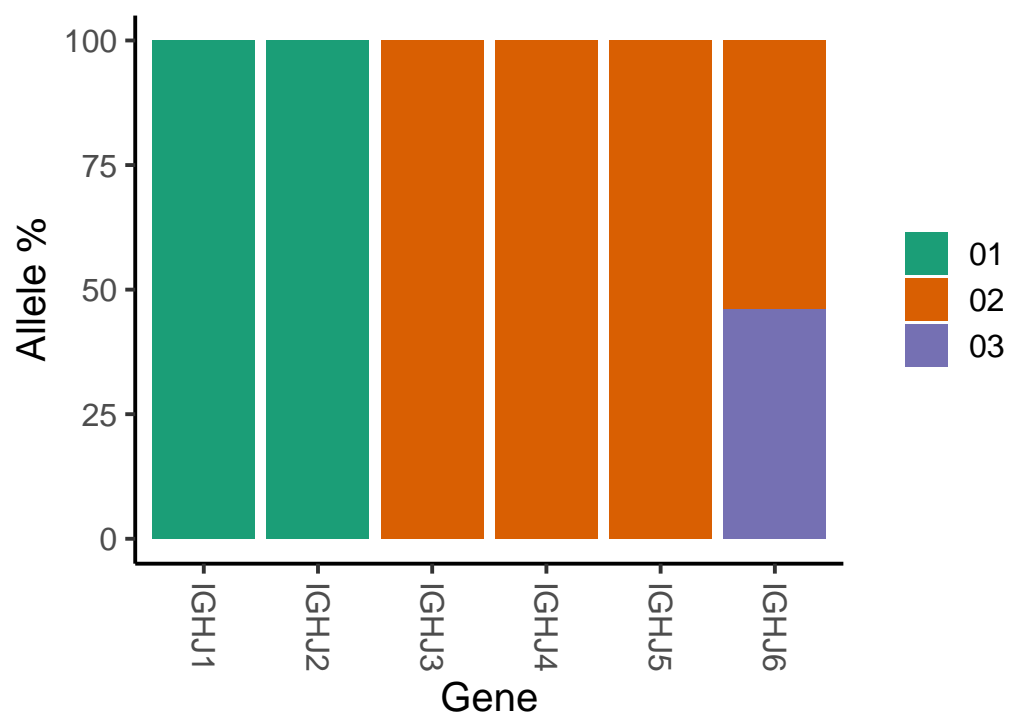


IGHV6-1*01

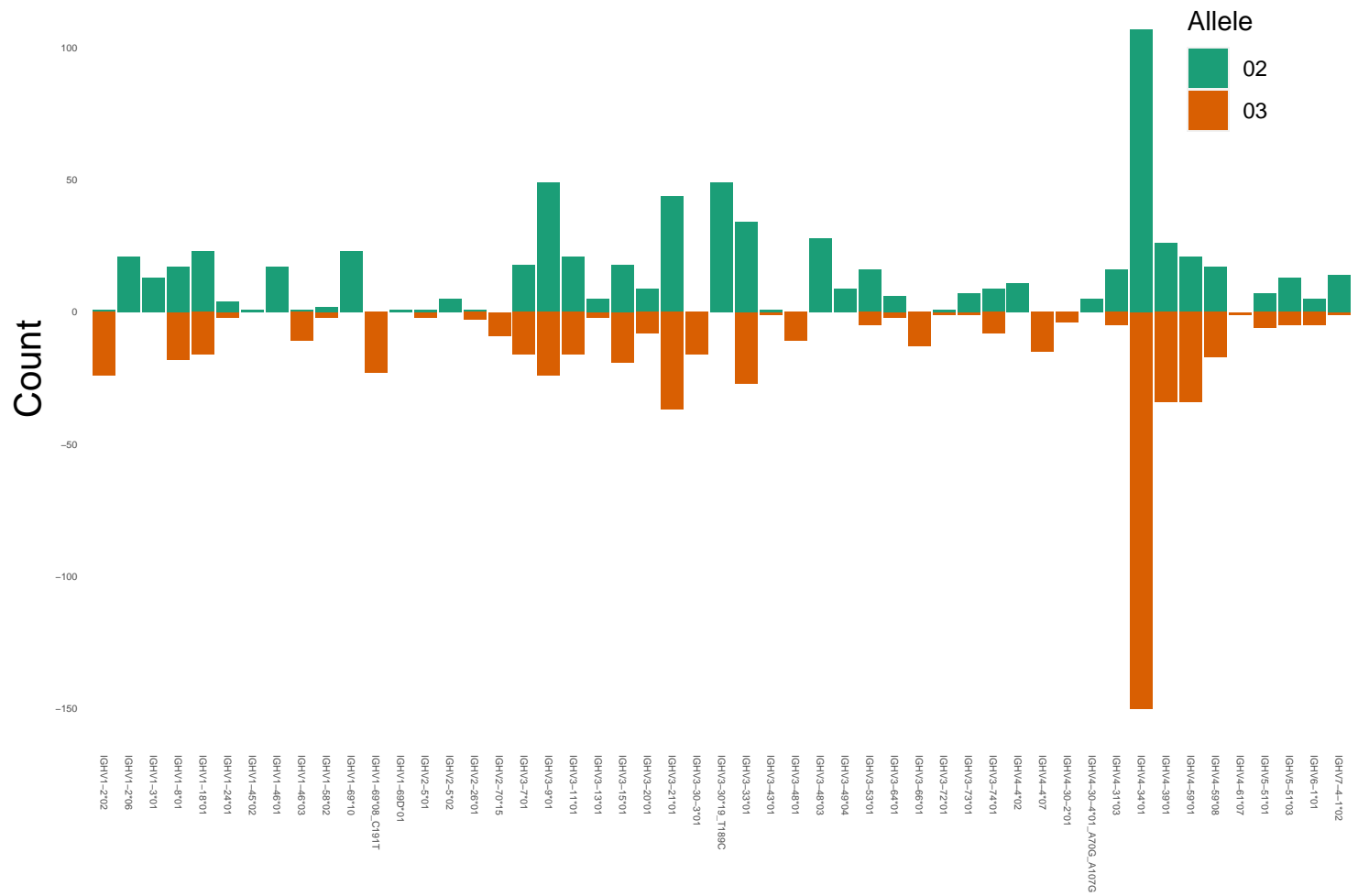
38 sequences assigned
18 (47.4%) exact matches, in which:
17 unique CDR3
6 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.