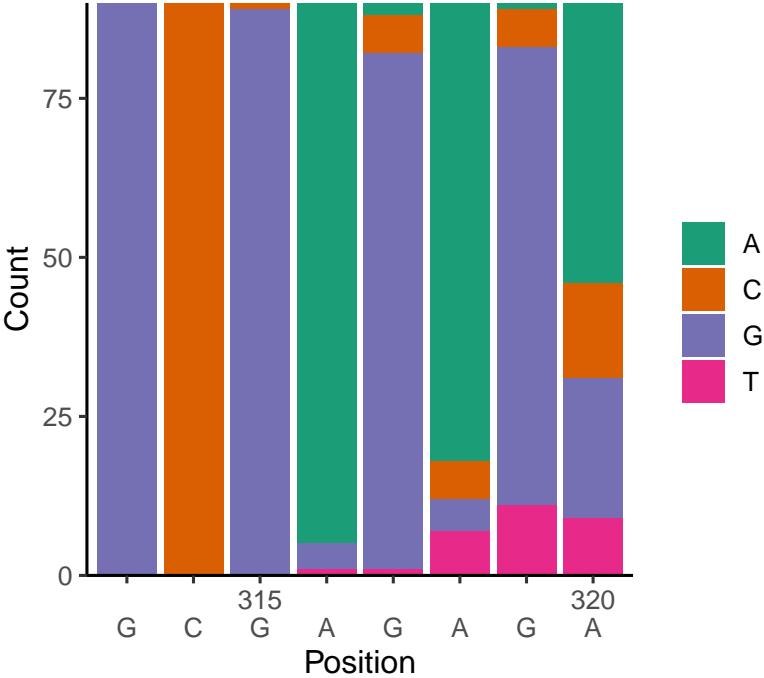


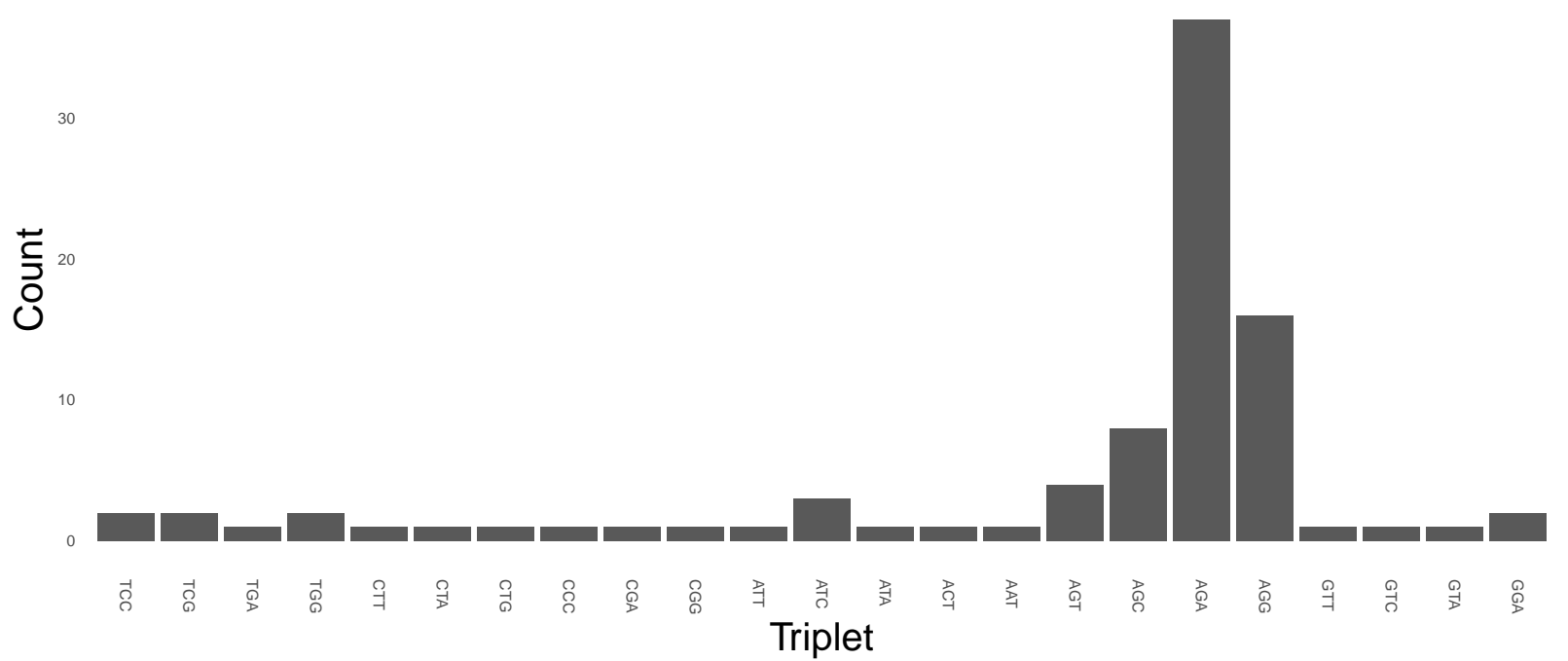
Gene IGHV1-69*08_C191T



Gene IGHV1-69*08_C191T

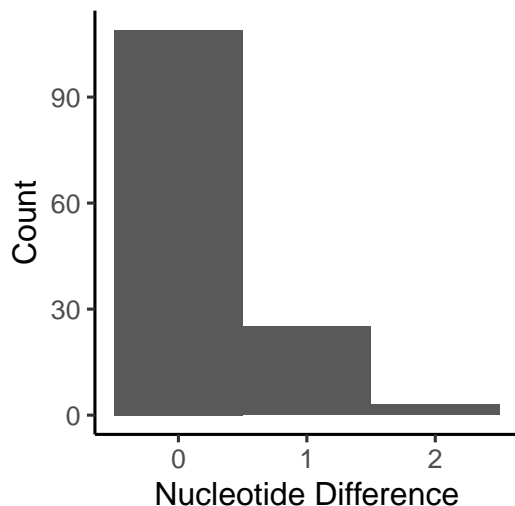


IGHV1-69*08_C191T- Final 3 nucleotides as a triplet



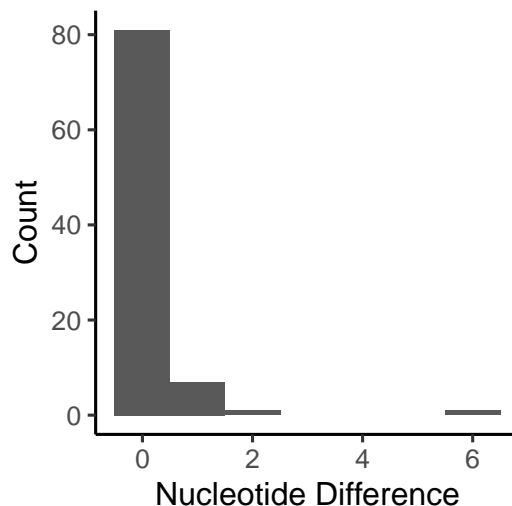
IGHV1-2*02

138 sequences assigned
109 (79%) exact matches, in which:
109 unique CDR3
6 unique J



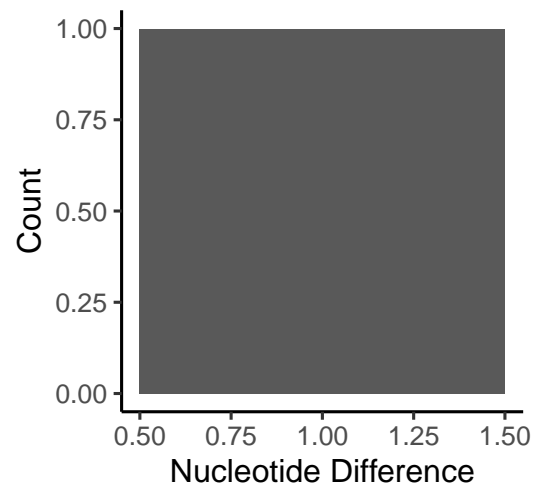
IGHV1-8*01

90 sequences assigned
81 (90%) exact matches, in which:
81 unique CDR3
6 unique J



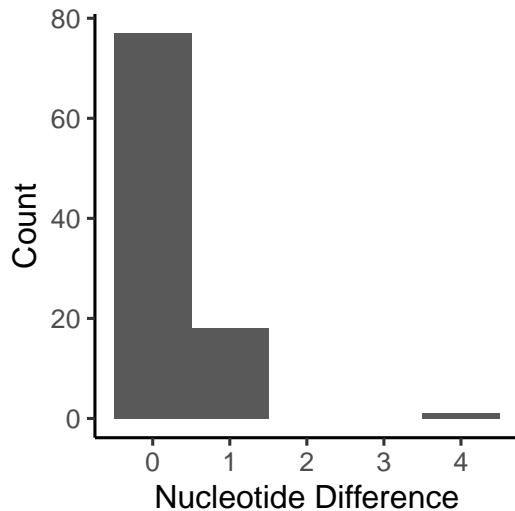
IGHV1-45*02

1 sequences assigned
No exact matches.



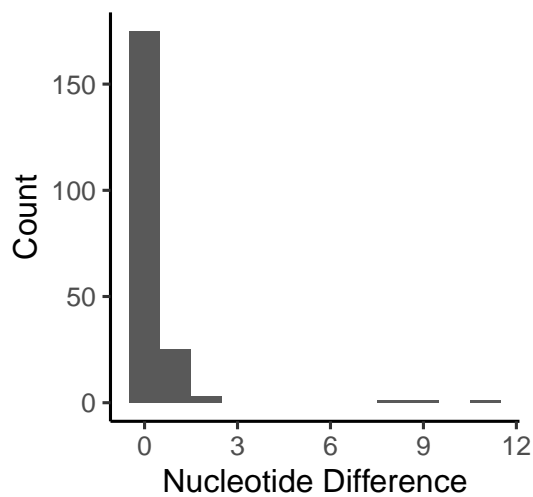
IGHV1-2*06

96 sequences assigned
77 (80.2%) exact matches, in which:
77 unique CDR3
6 unique J



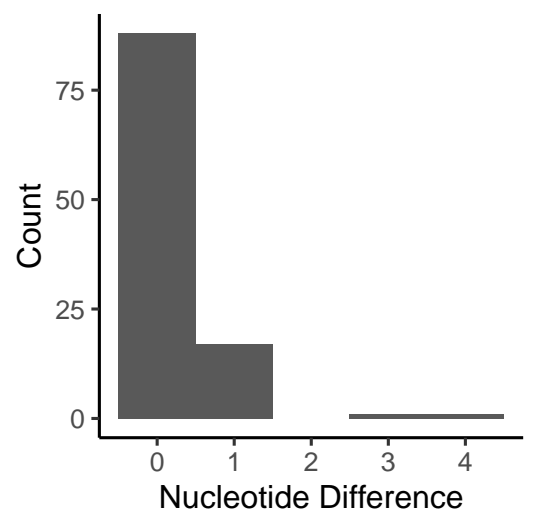
IGHV1-18*01

206 sequences assigned
175 (85%) exact matches, in which:
175 unique CDR3
7 unique J



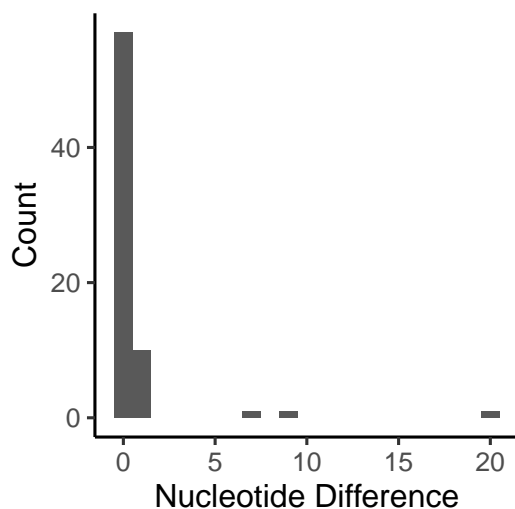
IGHV1-46*01

107 sequences assigned
88 (82.2%) exact matches, in which:
87 unique CDR3
7 unique J



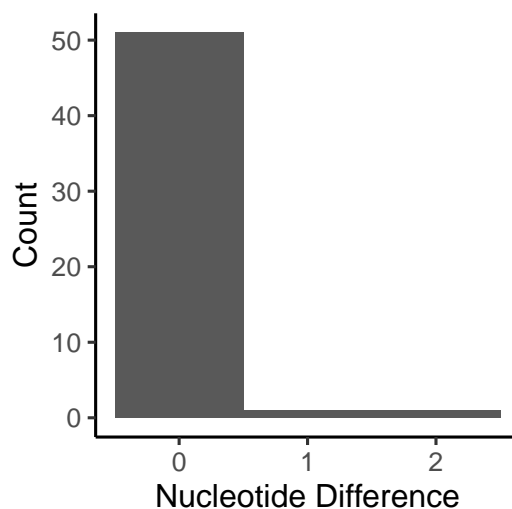
IGHV1-3*01

70 sequences assigned
57 (81.4%) exact matches, in which:
57 unique CDR3
6 unique J



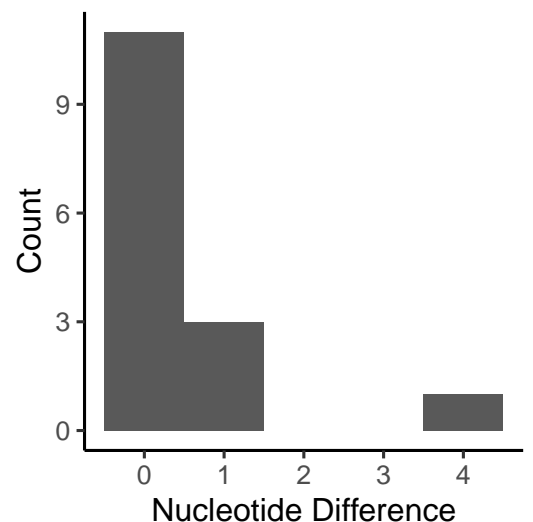
IGHV1-24*01

53 sequences assigned
51 (96.2%) exact matches, in which:
51 unique CDR3
6 unique J



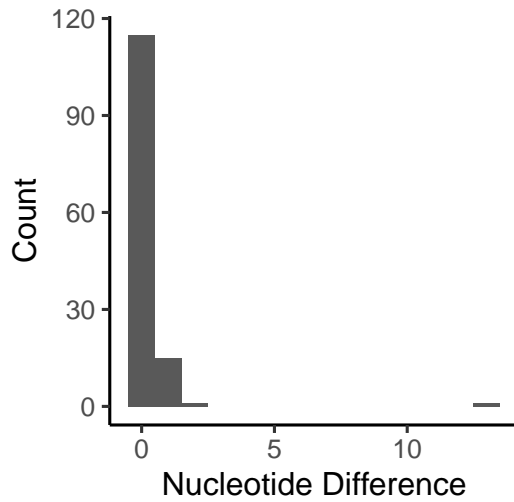
IGHV1-58*02

15 sequences assigned
11 (73.3%) exact matches, in which:
11 unique CDR3
5 unique J



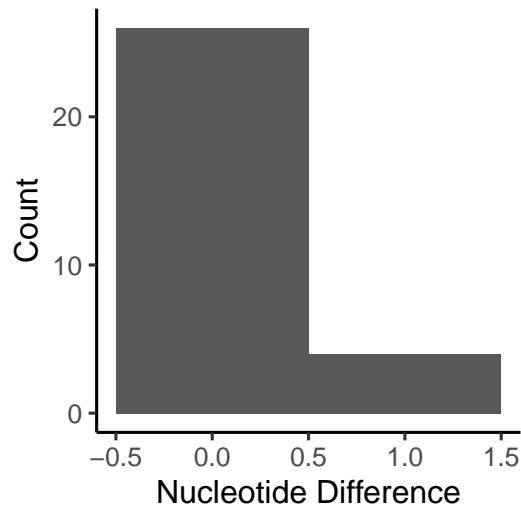
IGHV1–69*04

132 sequences assigned
115 (87.1%) exact matches, in which:
114 unique CDR3
6 unique J



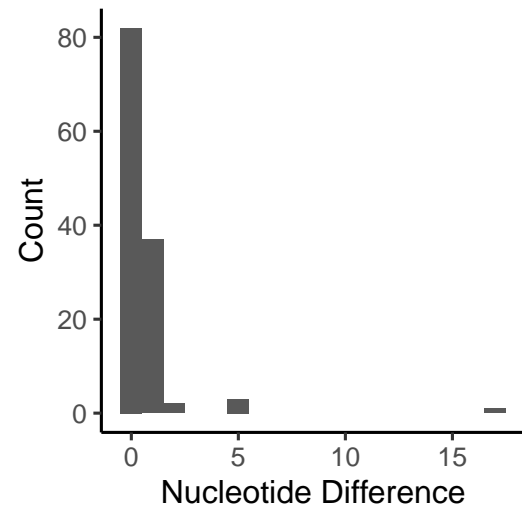
IGHV2–5*02

30 sequences assigned
26 (86.7%) exact matches, in which:
26 unique CDR3
6 unique J



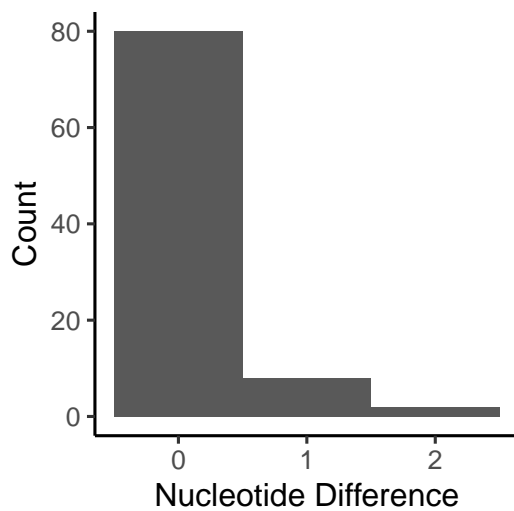
IGHV3–7*01

125 sequences assigned
82 (65.6%) exact matches, in which:
82 unique CDR3
5 unique J



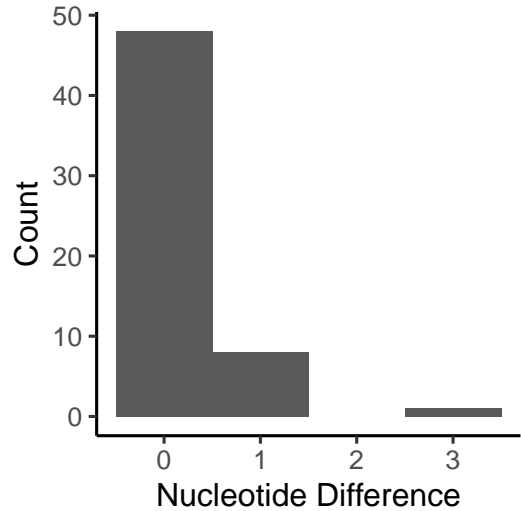
IGHV1–69*08_C191T

90 sequences assigned
80 (88.9%) exact matches, in which:
80 unique CDR3
5 unique J



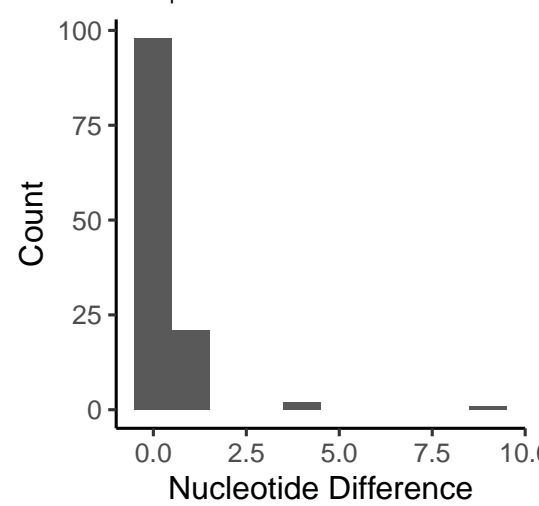
IGHV2–26*01

57 sequences assigned
48 (84.2%) exact matches, in which:
48 unique CDR3
6 unique J



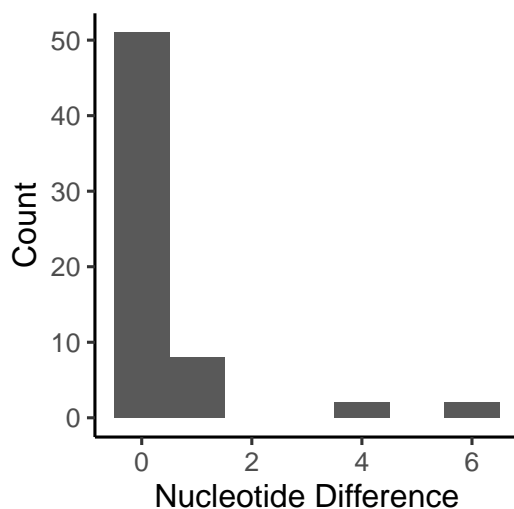
IGHV3–7*03

122 sequences assigned
98 (80.3%) exact matches, in which:
97 unique CDR3
6 unique J



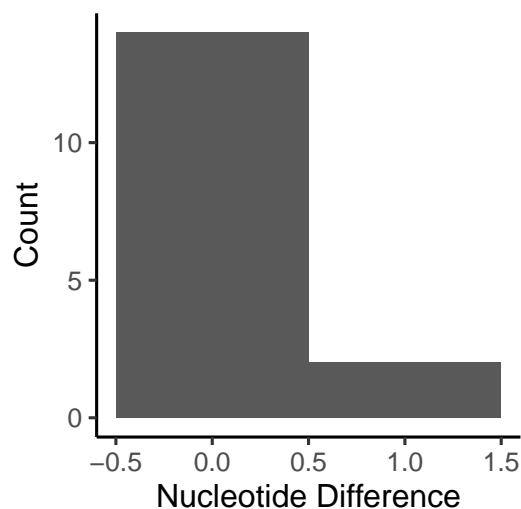
IGHV2–5*01

63 sequences assigned
51 (81%) exact matches, in which:
51 unique CDR3
5 unique J



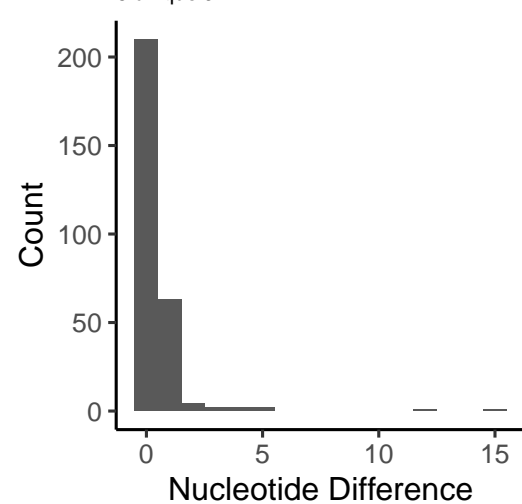
IGHV2–70*15

16 sequences assigned
14 (87.5%) exact matches, in which:
14 unique CDR3
4 unique J



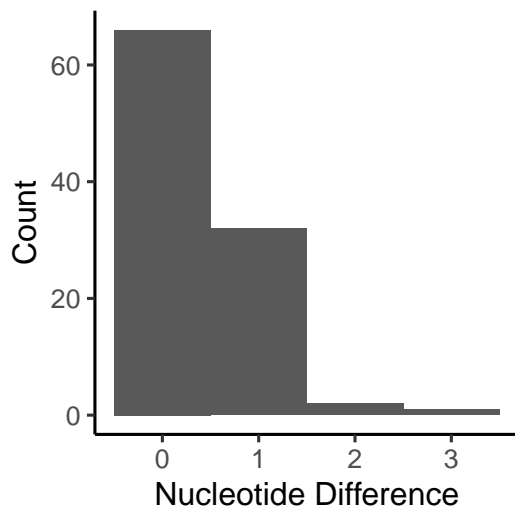
IGHV3–9*01

286 sequences assigned
210 (73.4%) exact matches, in which:
208 unique CDR3
6 unique J



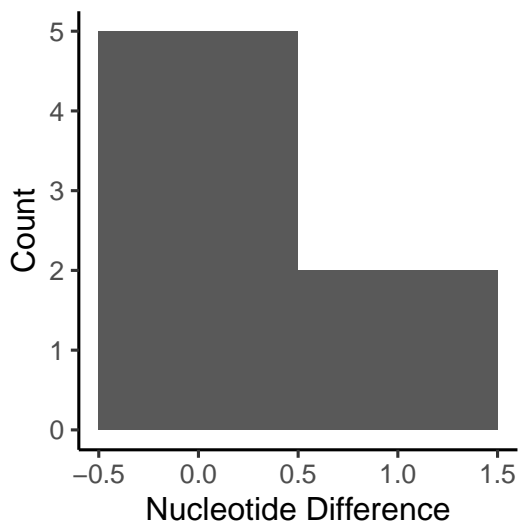
IGHV3-11*01

102 sequences assigned
66 (64.7%) exact matches, in which:
66 unique CDR3
6 unique J



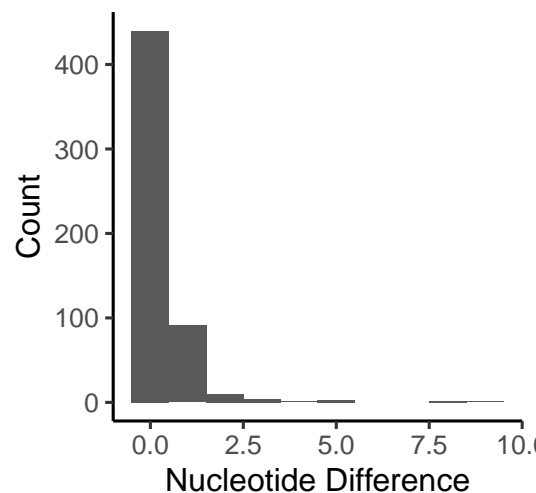
IGHV3-13*05

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
3 unique J



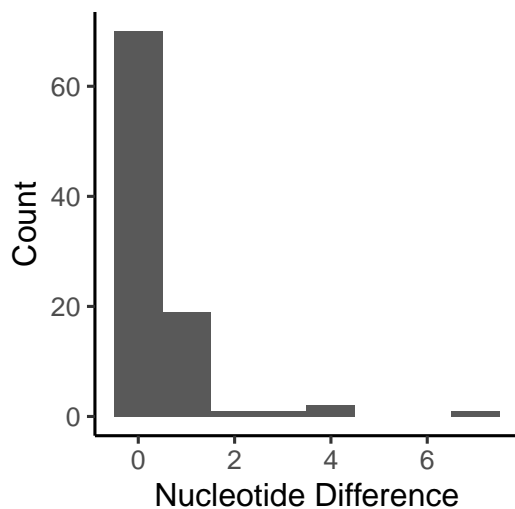
IGHV3-21*01

552 sequences assigned
440 (79.7%) exact matches, in which:
437 unique CDR3
7 unique J



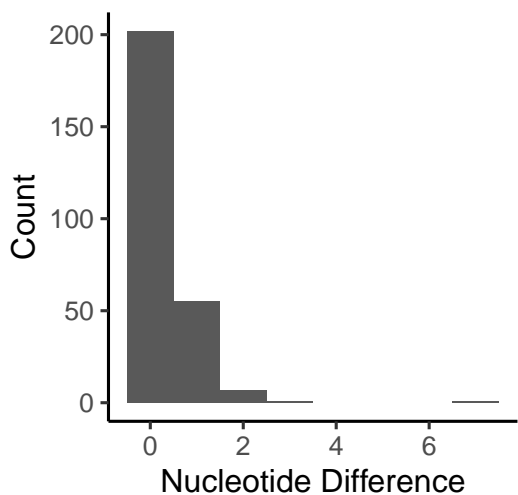
IGHV3-11*06

95 sequences assigned
70 (73.7%) exact matches, in which:
69 unique CDR3
6 unique J



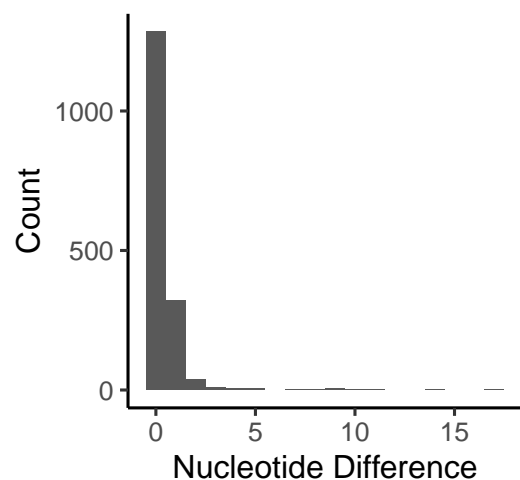
IGHV3-15*01

266 sequences assigned
202 (75.9%) exact matches, in which:
201 unique CDR3
7 unique J



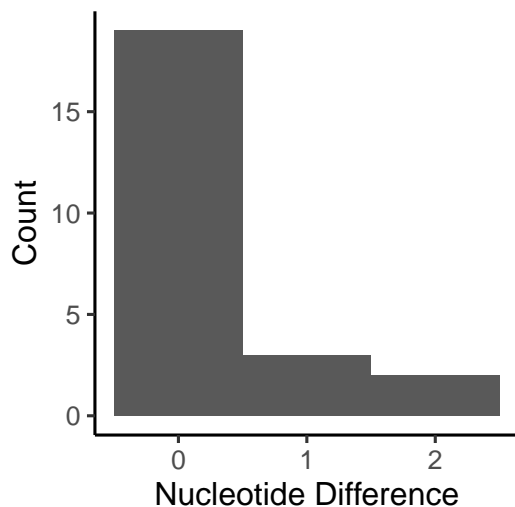
IGHV3-23*01

1677 sequences assigned
1284 (76.6%) exact matches, in which:
1271 unique CDR3
7 unique J



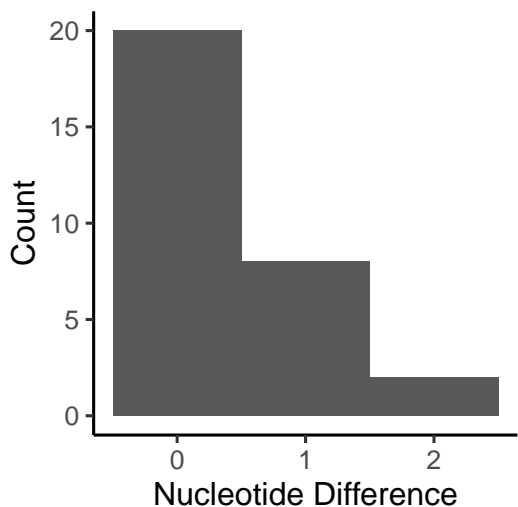
IGHV3-13*01

24 sequences assigned
19 (79.2%) exact matches, in which:
19 unique CDR3
5 unique J



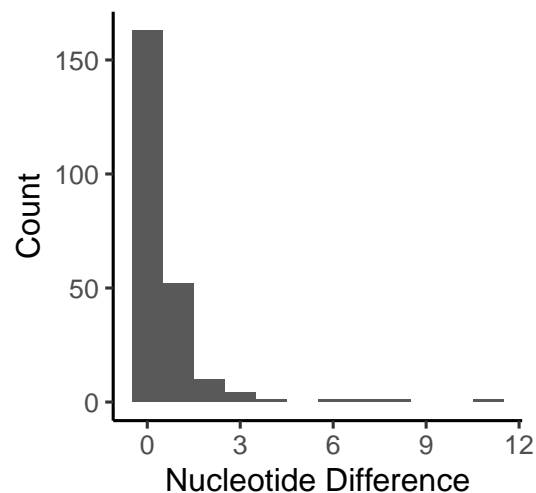
IGHV3-20*01

31 sequences assigned
20 (64.5%) exact matches, in which:
20 unique CDR3
5 unique J



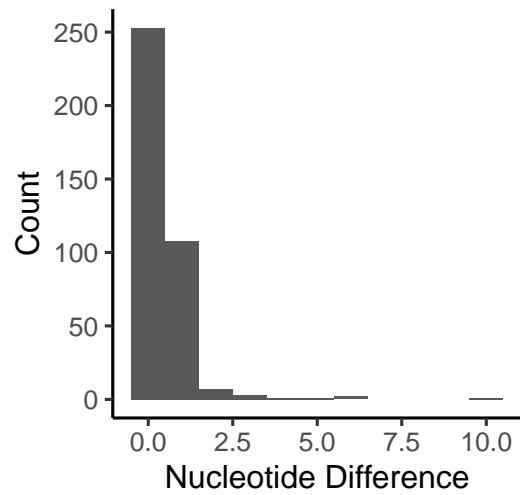
IGHV3-30-3*01

236 sequences assigned
163 (69.1%) exact matches, in which:
163 unique CDR3
6 unique J



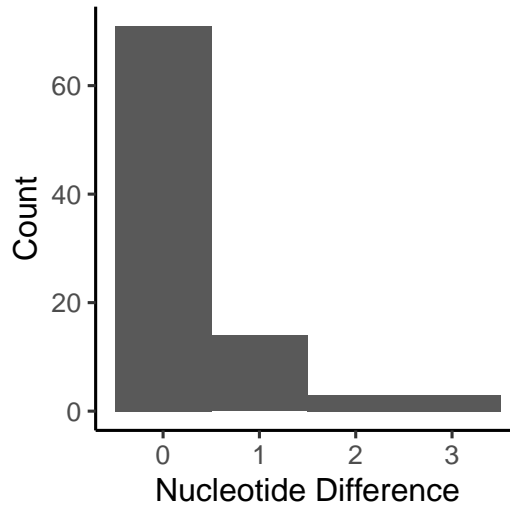
IGHV3–30*18

379 sequences assigned
253 (66.8%) exact matches, in which:
251 unique CDR3
7 unique J



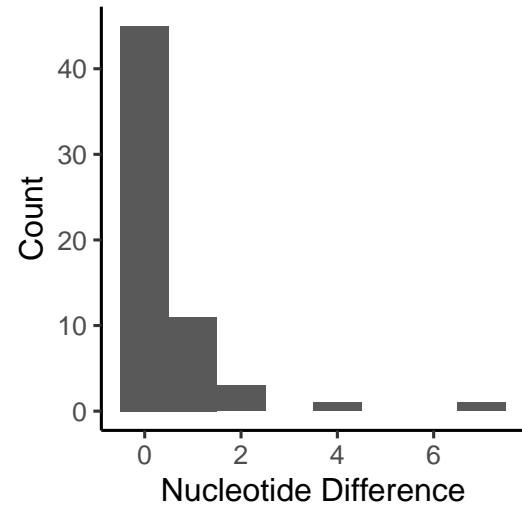
IGHV3–43*02

91 sequences assigned
71 (78%) exact matches, in which:
70 unique CDR3
6 unique J



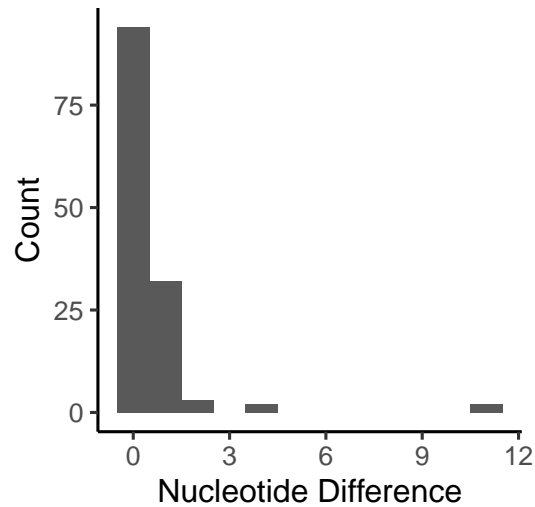
IGHV3–49*03

61 sequences assigned
45 (73.8%) exact matches, in which:
45 unique CDR3
5 unique J



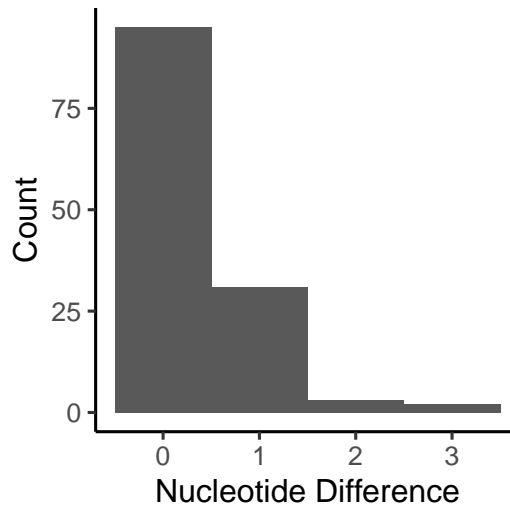
IGHV3–33*01

133 sequences assigned
94 (70.7%) exact matches, in which:
92 unique CDR3
6 unique J



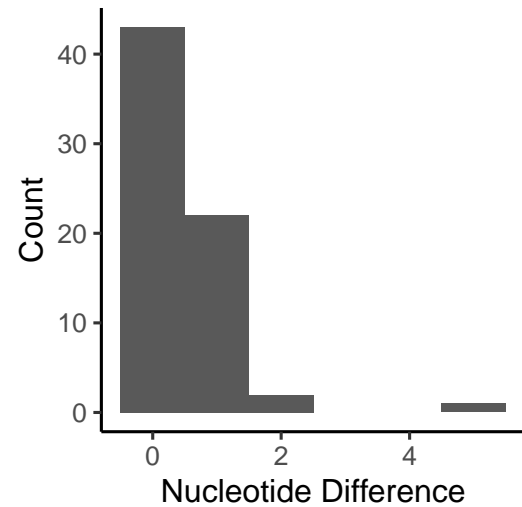
IGHV3–48*01

131 sequences assigned
95 (72.5%) exact matches, in which:
95 unique CDR3
6 unique J



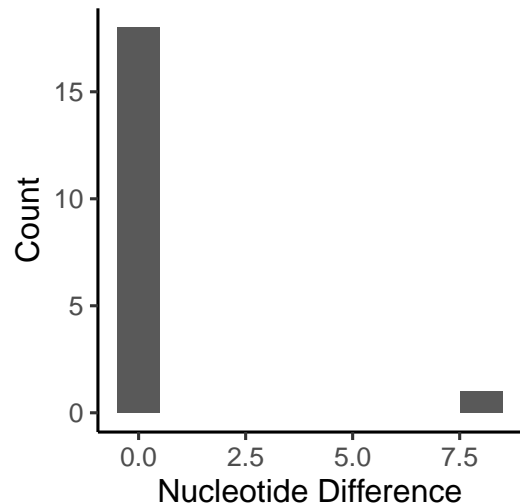
IGHV3–49*04

68 sequences assigned
43 (63.2%) exact matches, in which:
43 unique CDR3
5 unique J



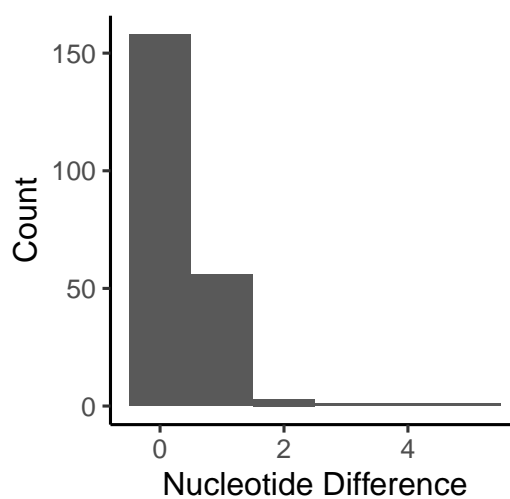
IGHV3–43*01

19 sequences assigned
18 (94.7%) exact matches, in which:
18 unique CDR3
4 unique J



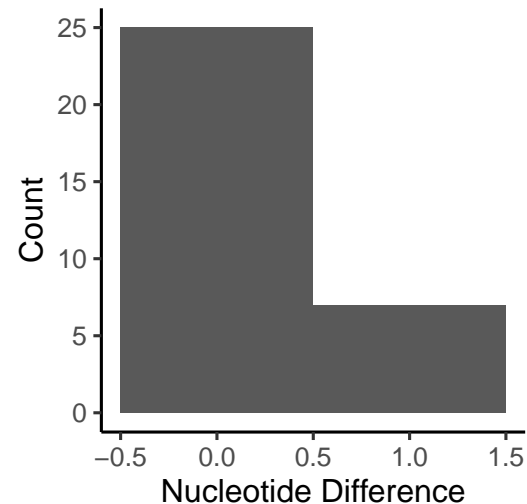
IGHV3–48*03

220 sequences assigned
158 (71.8%) exact matches, in which:
157 unique CDR3
6 unique J



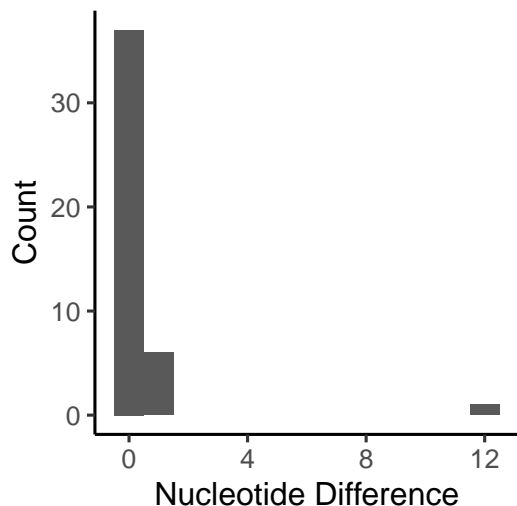
IGHV3–53*02

33 sequences assigned
25 (75.8%) exact matches, in which:
25 unique CDR3
5 unique J



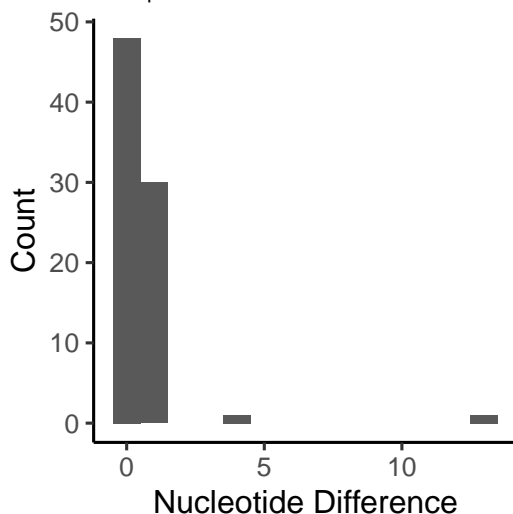
IGHV3-53*04

44 sequences assigned
37 (84.1%) exact matches, in which:
36 unique CDR3
5 unique J



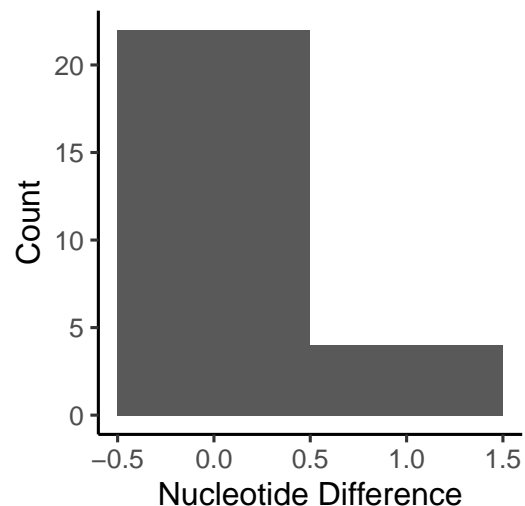
IGHV3-66*02

80 sequences assigned
48 (60%) exact matches, in which:
48 unique CDR3
6 unique J



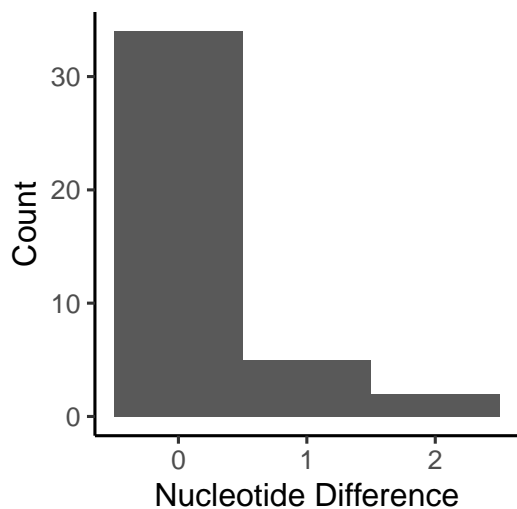
IGHV3-73*01

26 sequences assigned
22 (84.6%) exact matches, in which:
22 unique CDR3
5 unique J



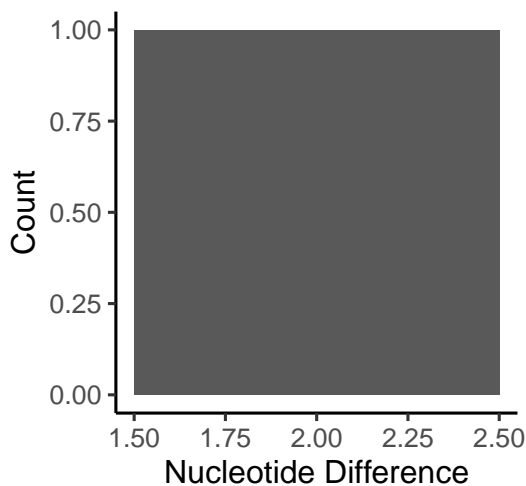
IGHV3-64*01

41 sequences assigned
34 (82.9%) exact matches, in which:
34 unique CDR3
6 unique J



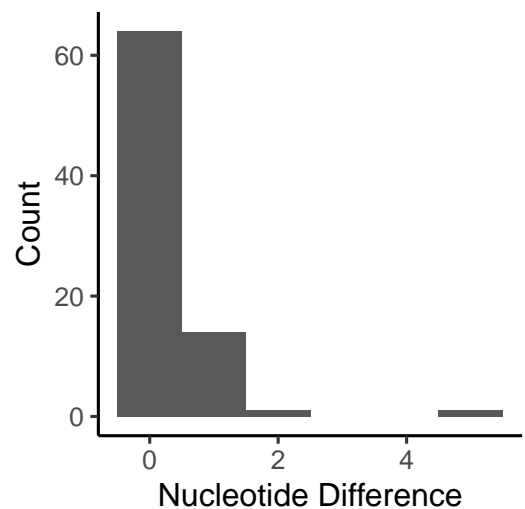
IGHV3-71*03

1 sequences assigned
No exact matches.



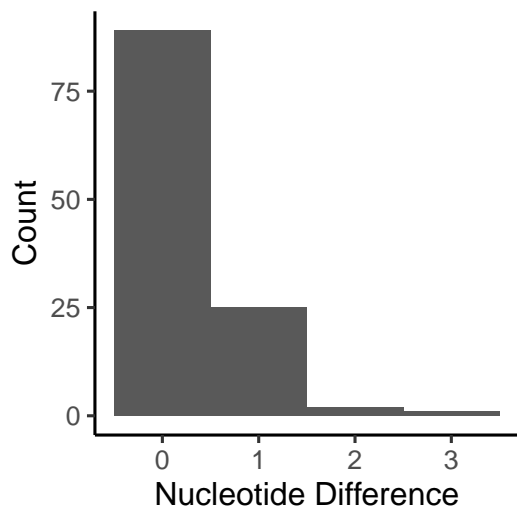
IGHV3-74*01

80 sequences assigned
64 (80%) exact matches, in which:
63 unique CDR3
7 unique J



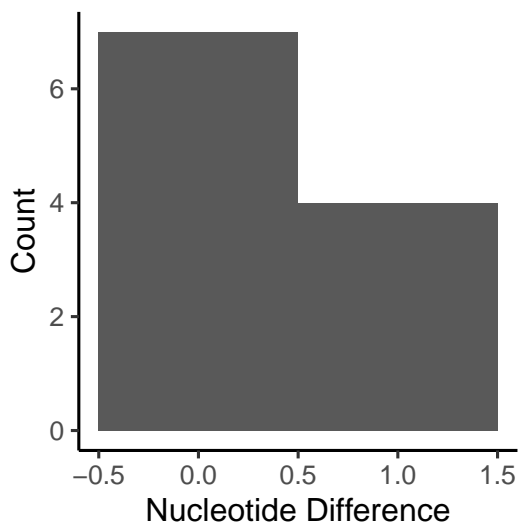
IGHV3-66*01

117 sequences assigned
89 (76.1%) exact matches, in which:
87 unique CDR3
7 unique J



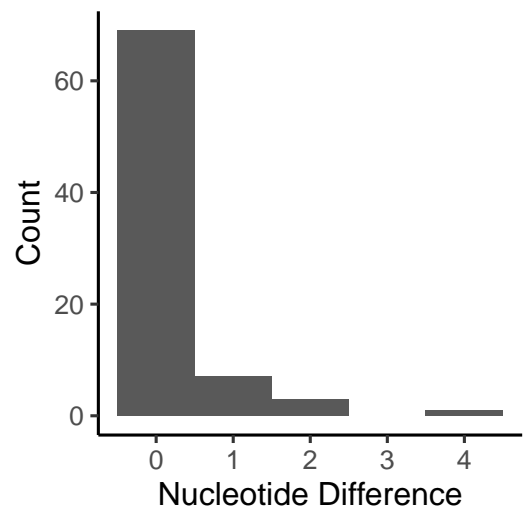
IGHV3-72*01

11 sequences assigned
7 (63.6%) exact matches, in which:
7 unique CDR3
4 unique J



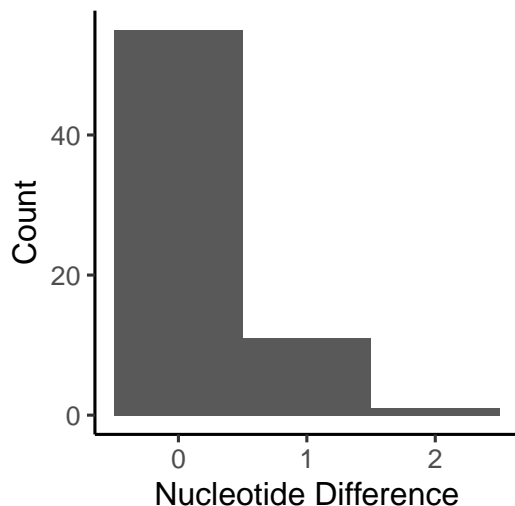
IGHV3-64D*06

80 sequences assigned
69 (86.2%) exact matches, in which:
69 unique CDR3
6 unique J



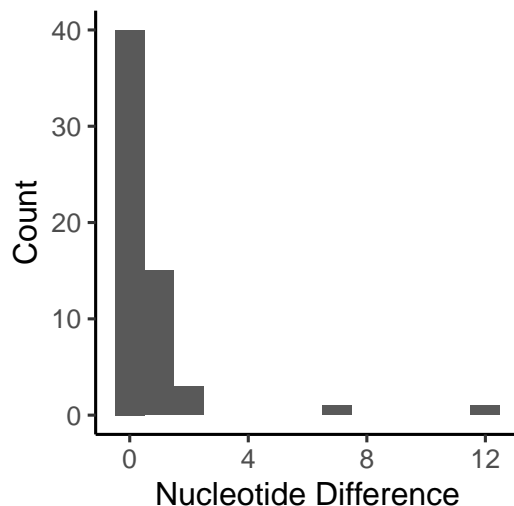
IGHV4-4*02

67 sequences assigned
55 (82.1%) exact matches, in which:
55 unique CDR3
5 unique J



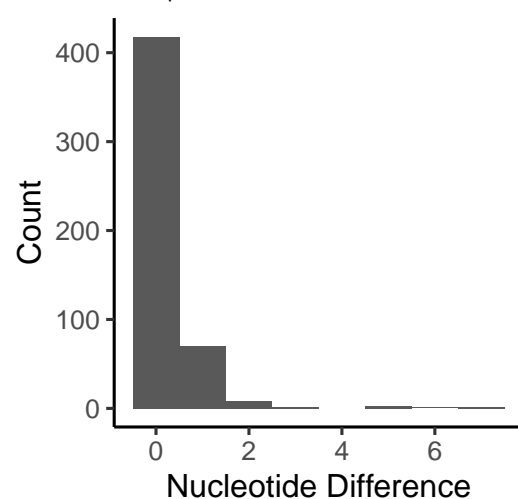
IGHV4-30-4*01

60 sequences assigned
40 (66.7%) exact matches, in which:
40 unique CDR3
5 unique J



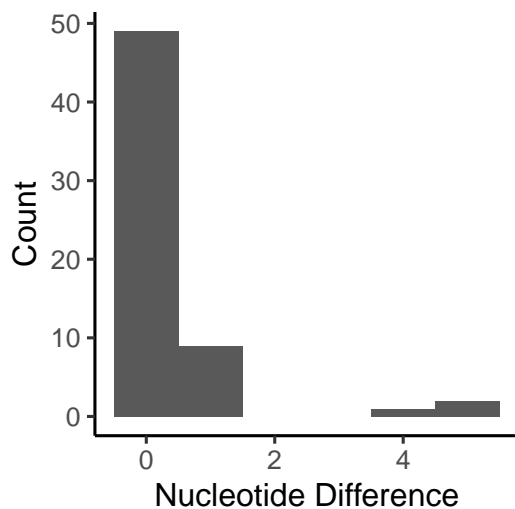
IGHV4-34*01

504 sequences assigned
418 (82.9%) exact matches, in which:
418 unique CDR3
7 unique J



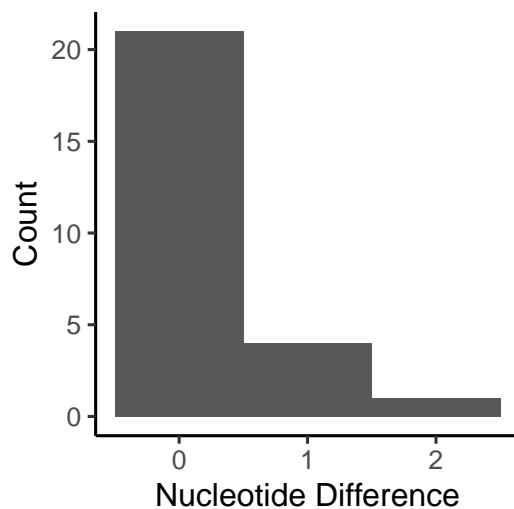
IGHV4-4*07

61 sequences assigned
49 (80.3%) exact matches, in which:
49 unique CDR3
5 unique J



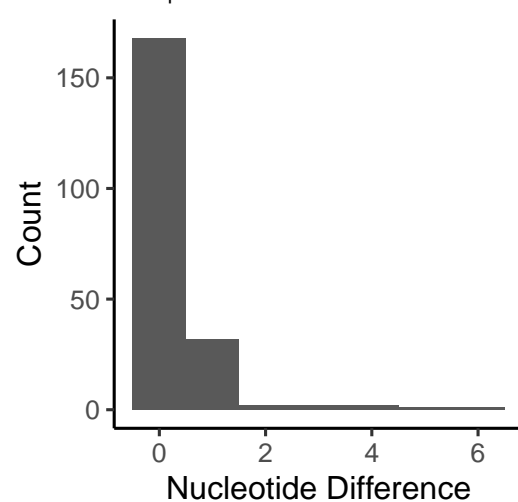
IGHV4-30-2*01

26 sequences assigned
21 (80.8%) exact matches, in which:
21 unique CDR3
5 unique J



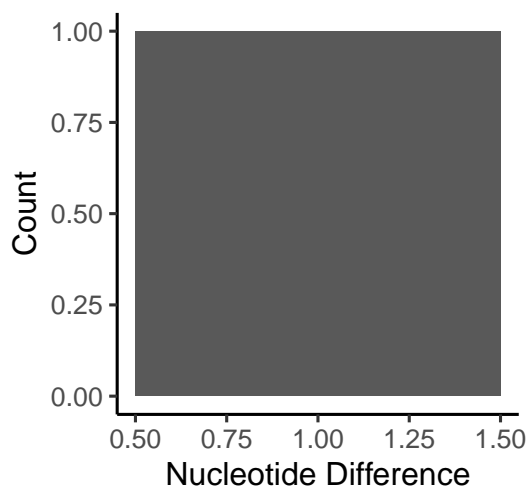
IGHV4-39*01

213 sequences assigned
168 (78.9%) exact matches, in which:
167 unique CDR3
6 unique J



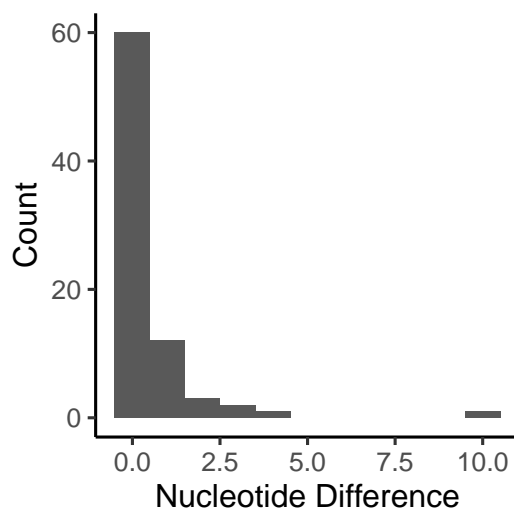
IGHV4-28*04

1 sequences assigned
No exact matches.



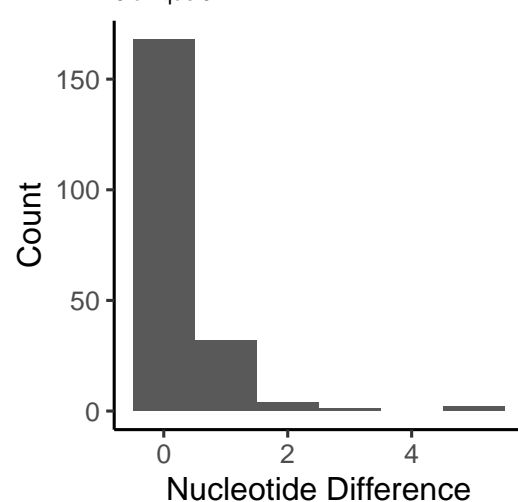
IGHV4-31*03

79 sequences assigned
60 (75.9%) exact matches, in which:
60 unique CDR3
5 unique J



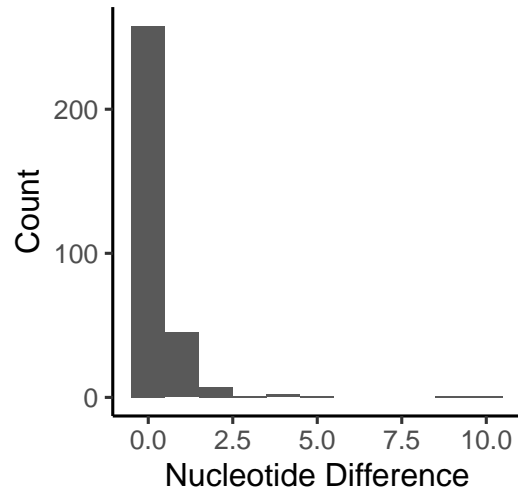
IGHV4-39*07

208 sequences assigned
168 (80.8%) exact matches, in which:
168 unique CDR3
6 unique J



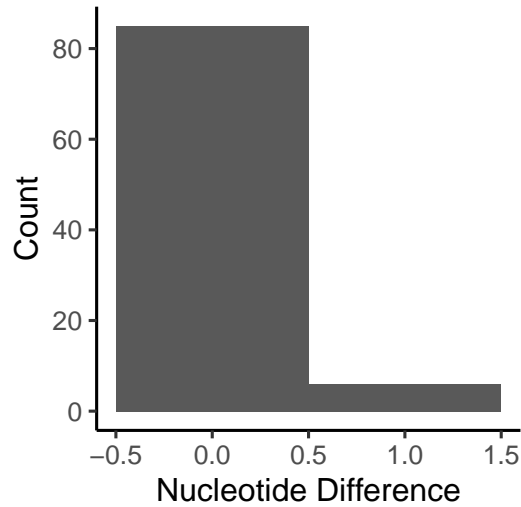
IGHV4-59*01

317 sequences assigned
258 (81.4%) exact matches, in which:
255 unique CDR3
7 unique J



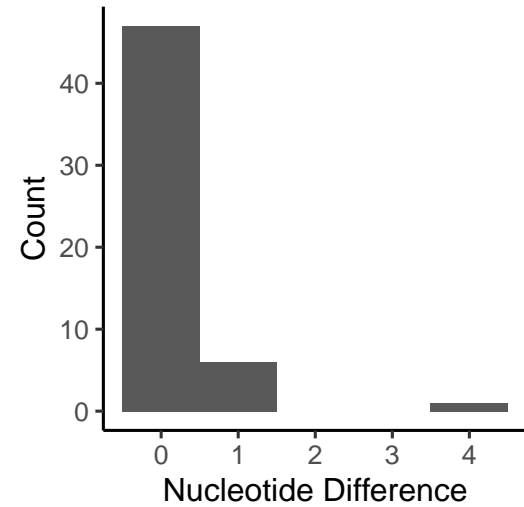
IGHV5-10-1*03

91 sequences assigned
85 (93.4%) exact matches, in which:
85 unique CDR3
6 unique J



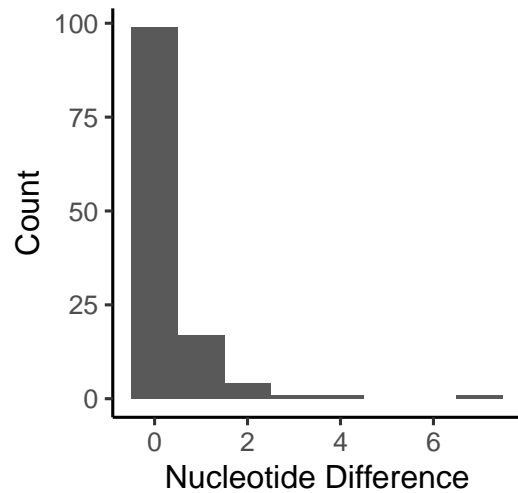
IGHV6-1*01

54 sequences assigned
47 (87%) exact matches, in which:
47 unique CDR3
6 unique J



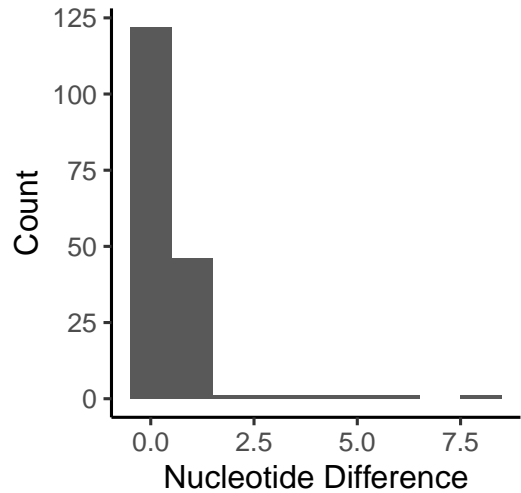
IGHV4-59*08

123 sequences assigned
99 (80.5%) exact matches, in which:
99 unique CDR3
6 unique J



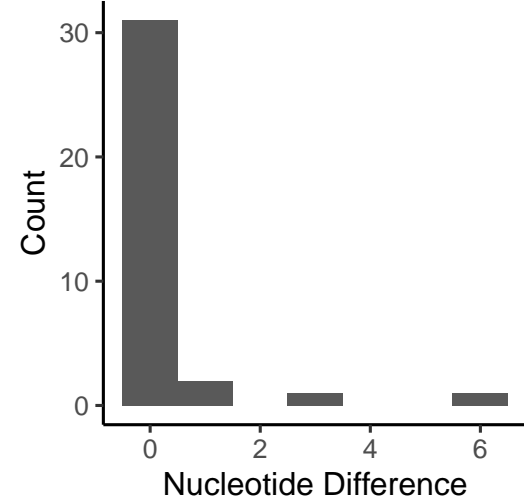
IGHV5-51*01

174 sequences assigned
122 (70.1%) exact matches, in which:
122 unique CDR3
7 unique J



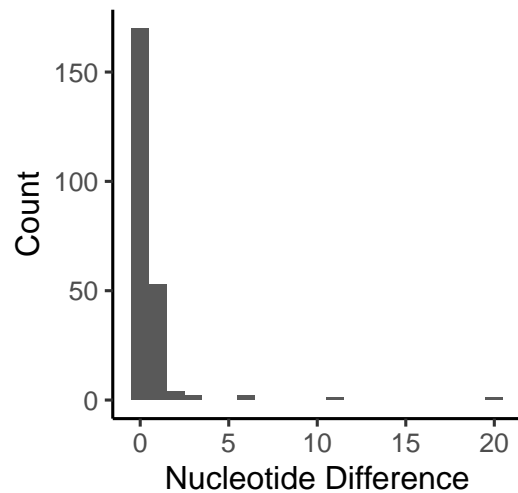
IGHV7-4-1*02

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



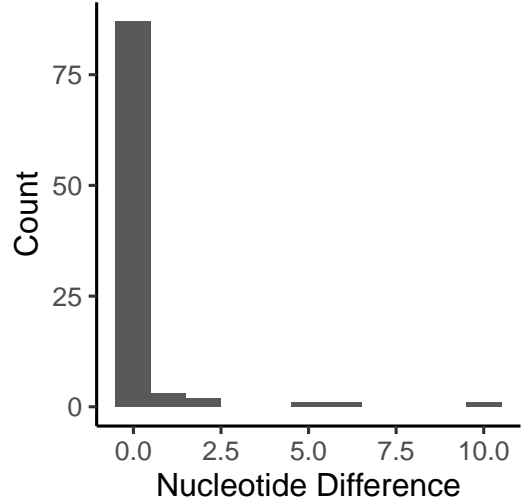
IGHV4-61*02

234 sequences assigned
170 (72.6%) exact matches, in which:
170 unique CDR3
6 unique J

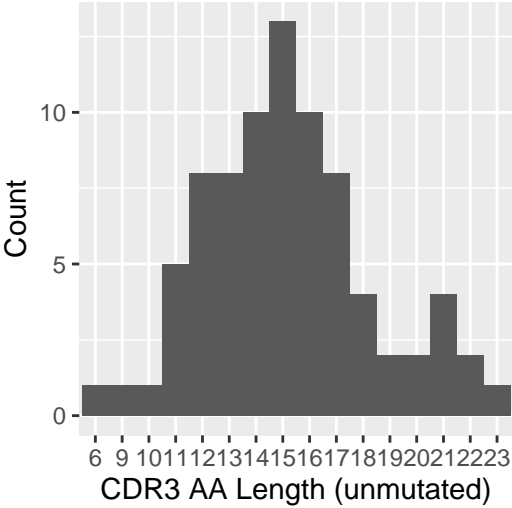


IGHV5-51*03

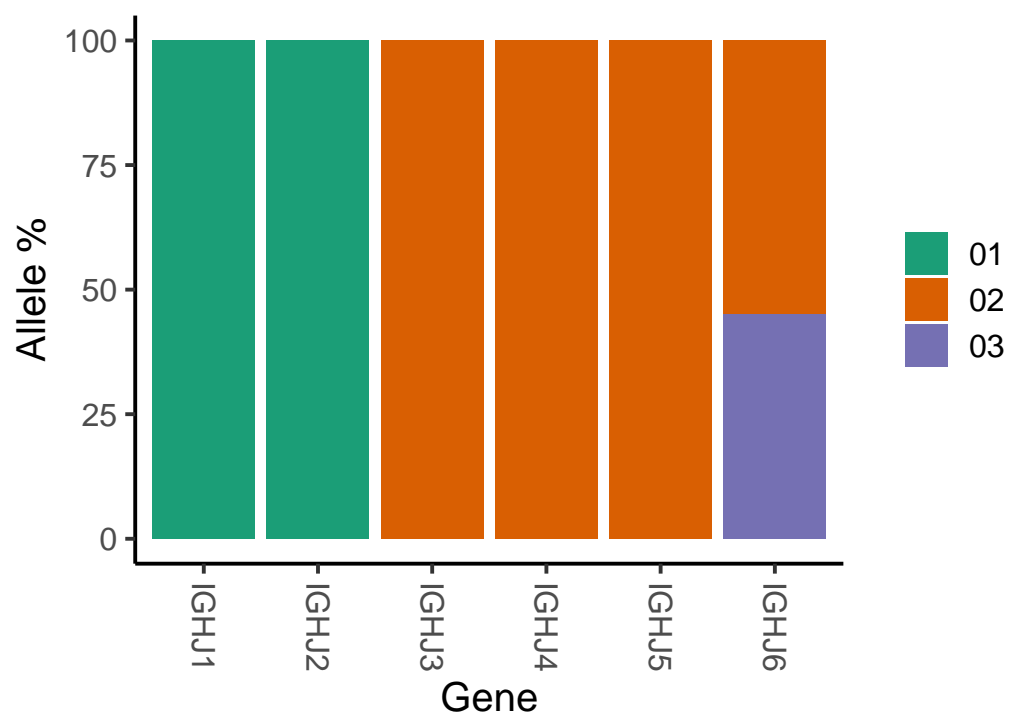
96 sequences assigned
87 (90.6%) exact matches, in which:
86 unique CDR3
5 unique J



IGHV1-69*08_C191T



Allele Usage



Sequence Count by IGHJ6 allele usage

