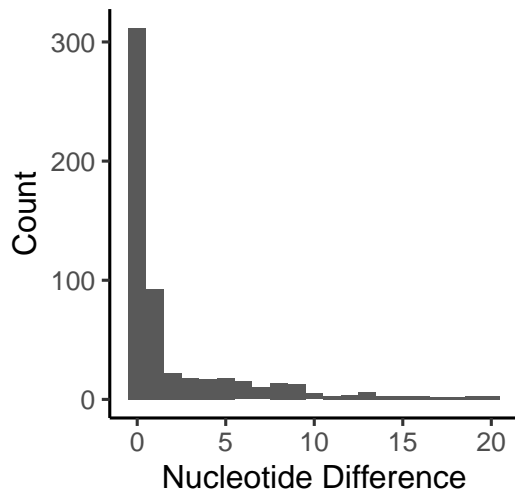


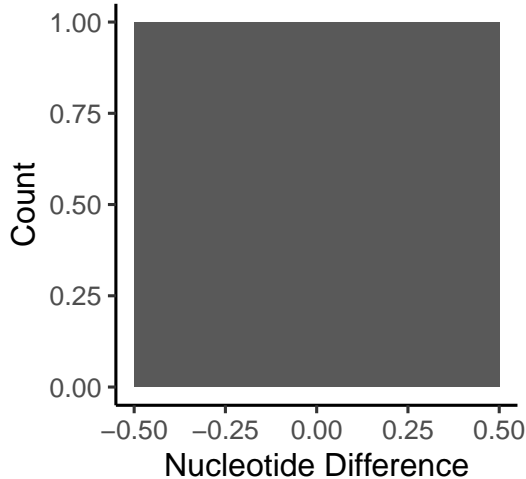
IGHV1-2*02

585 sequences assigned
312 (53.3%) exact matches, in which:
312 unique CDR3
7 unique J



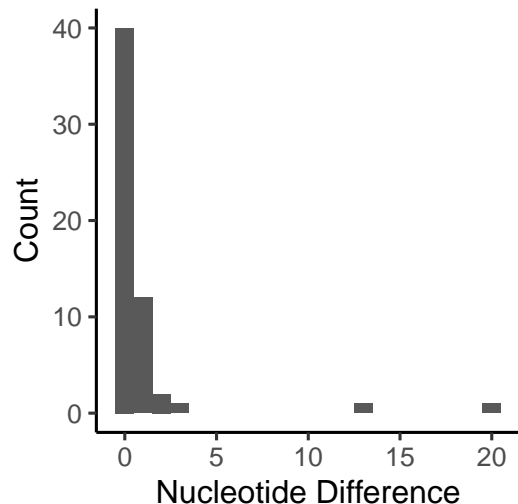
IGHV1-3*02

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



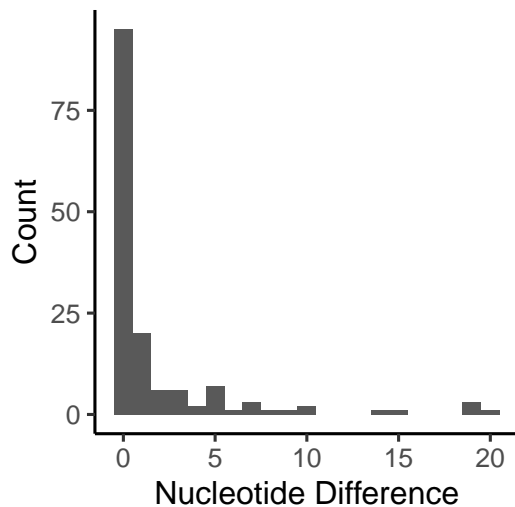
IGHV1-24*01

61 sequences assigned
40 (65.6%) exact matches, in which:
40 unique CDR3
7 unique J



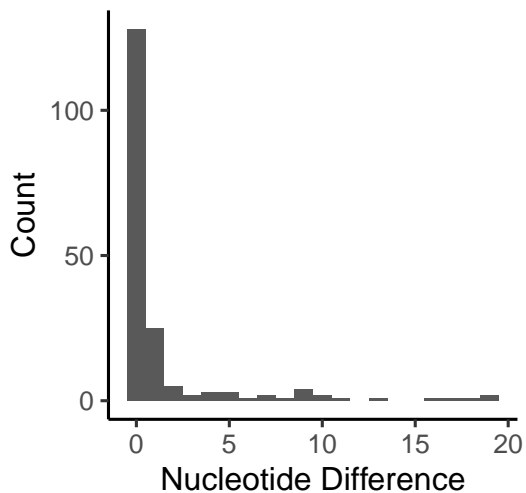
IGHV1-2*02_T174C

157 sequences assigned
95 (60.5%) exact matches, in which:
95 unique CDR3
7 unique J



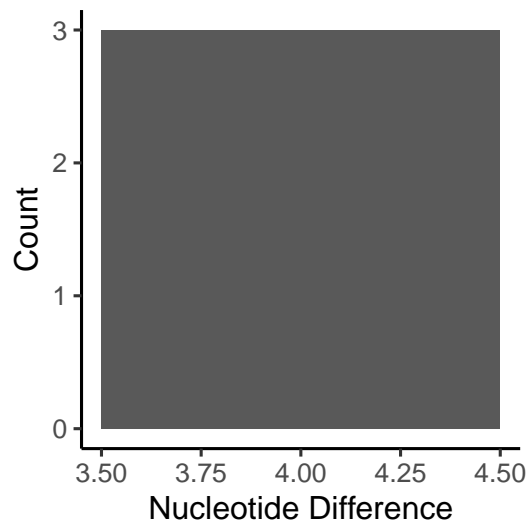
IGHV1-8*01

187 sequences assigned
128 (68.4%) exact matches, in which:
126 unique CDR3
7 unique J



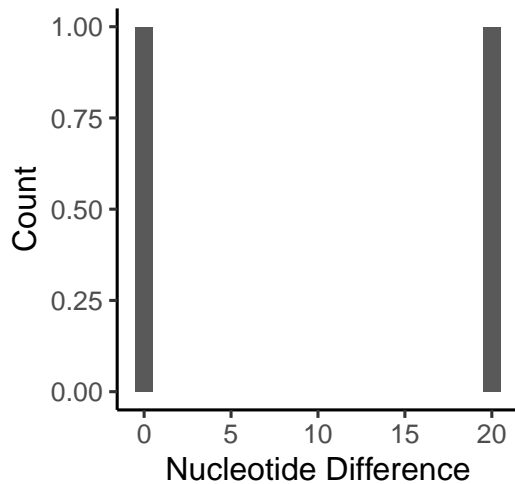
IGHV1-45*02

3 sequences assigned
No exact matches.



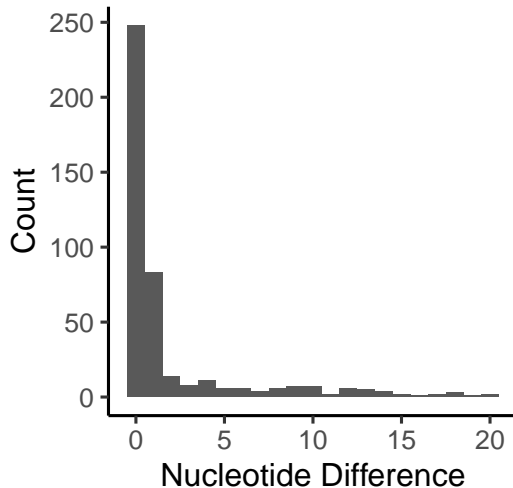
IGHV1-3*01

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



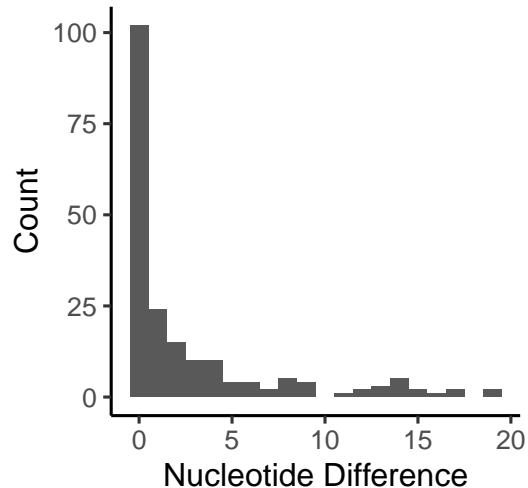
IGHV1-18*01

438 sequences assigned
248 (56.6%) exact matches, in which:
246 unique CDR3
7 unique J



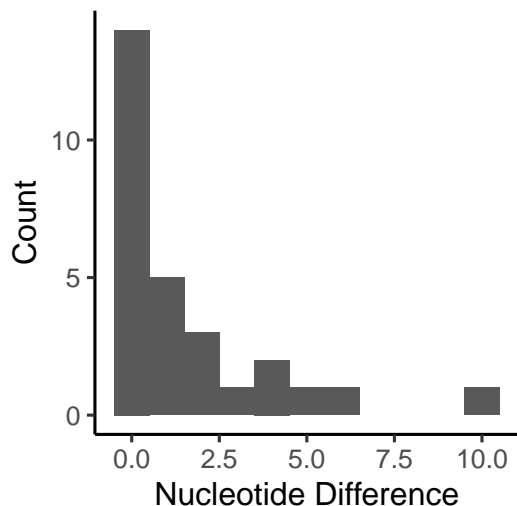
IGHV1-46*03

204 sequences assigned
102 (50%) exact matches, in which:
101 unique CDR3
7 unique J



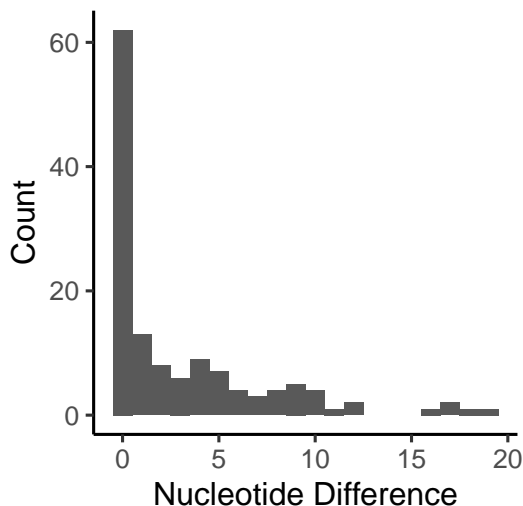
IGHV1-58*02

32 sequences assigned
14 (43.8%) exact matches, in which:
13 unique CDR3
5 unique J



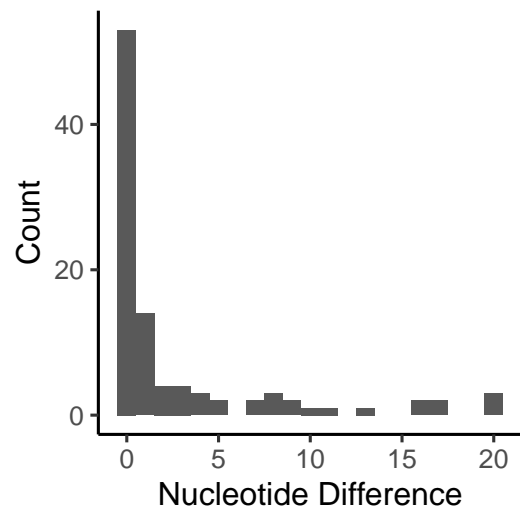
IGHV2-5*02

136 sequences assigned
62 (45.6%) exact matches, in which:
62 unique CDR3
5 unique J



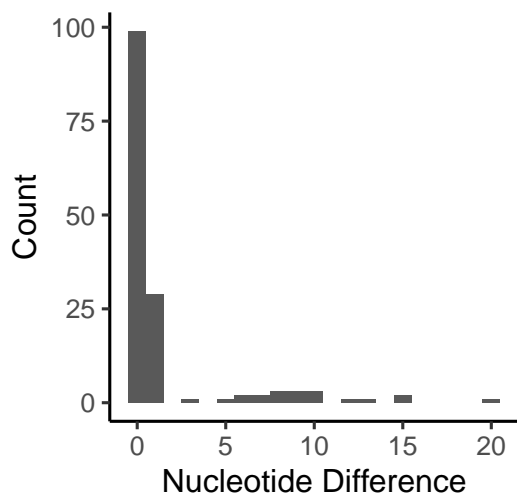
IGHV3-7*01

130 sequences assigned
53 (40.8%) exact matches, in which:
53 unique CDR3
4 unique J



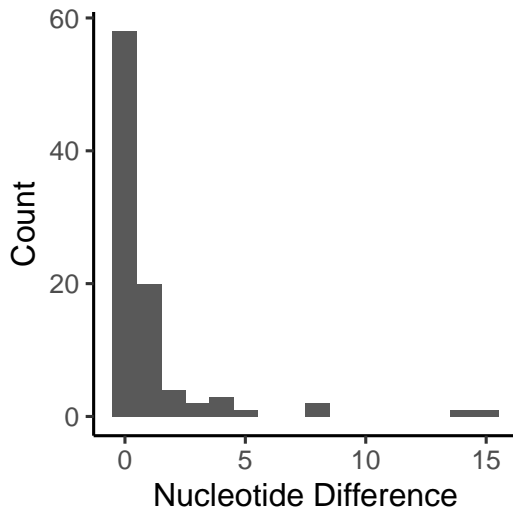
IGHV1-69*08_C191T

150 sequences assigned
99 (66%) exact matches, in which:
94 unique CDR3
5 unique J



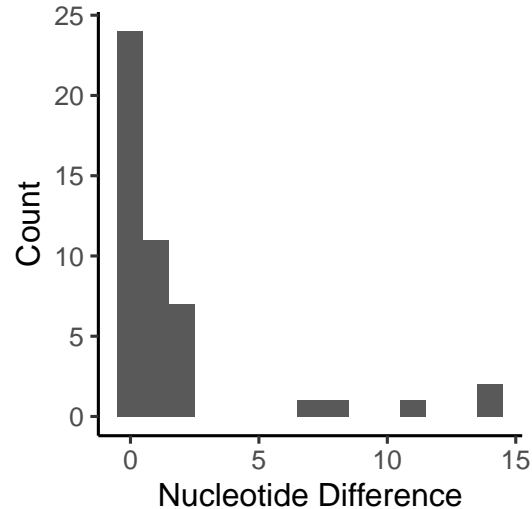
IGHV2-26*01

93 sequences assigned
58 (62.4%) exact matches, in which:
58 unique CDR3
6 unique J



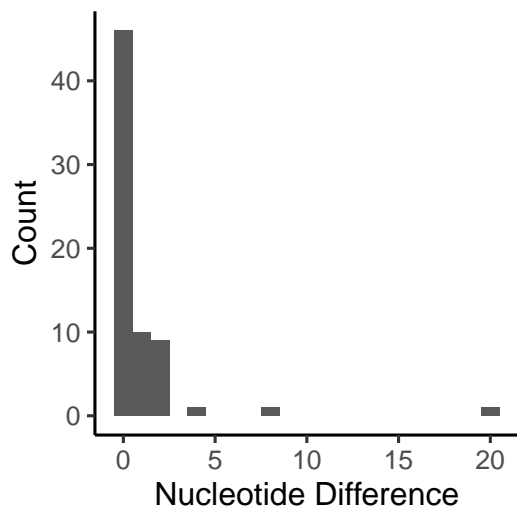
IGHV3-7*04

47 sequences assigned
24 (51.1%) exact matches, in which:
24 unique CDR3
6 unique J



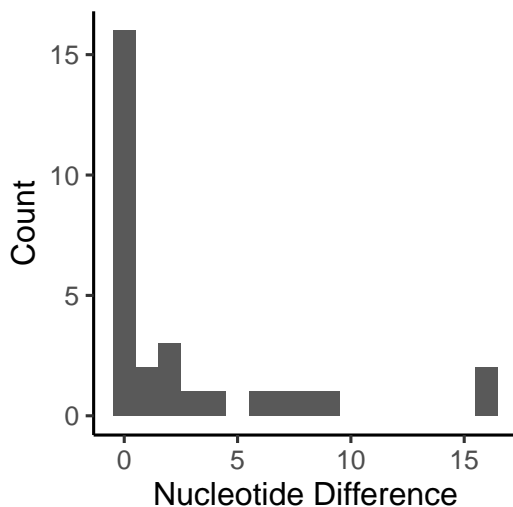
IGHV2-5*01

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



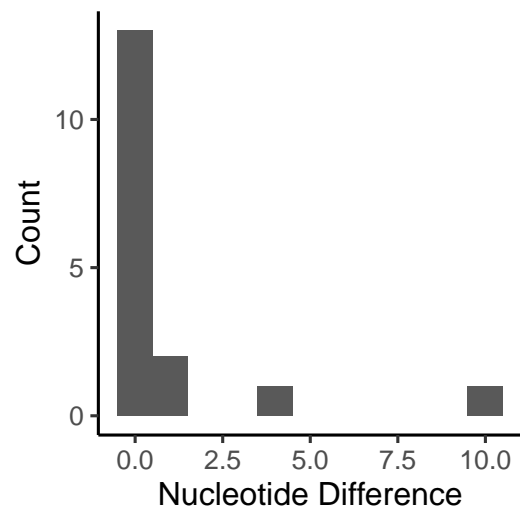
IGHV2-70*01

29 sequences assigned
16 (55.2%) exact matches, in which:
16 unique CDR3
4 unique J



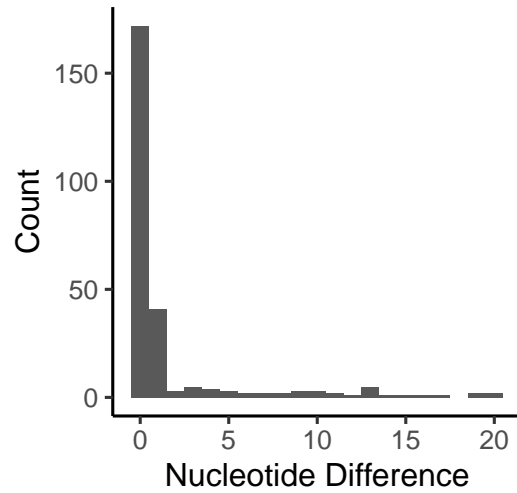
IGHV3-7*01_T158G

28 sequences assigned
13 (46.4%) exact matches, in which:
13 unique CDR3
5 unique J



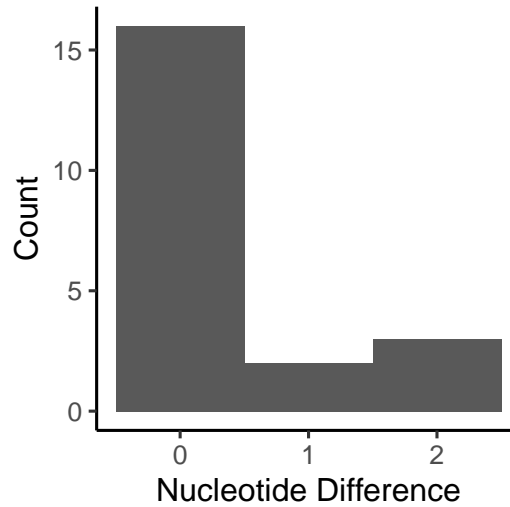
IGHV3-9*01

270 sequences assigned
172 (63.7%) exact matches, in which:
170 unique CDR3
7 unique J



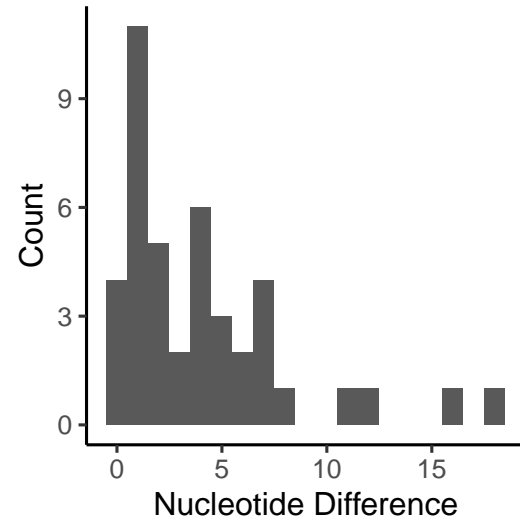
IGHV3-13*01

21 sequences assigned
16 (76.2%) exact matches, in which:
16 unique CDR3
4 unique J



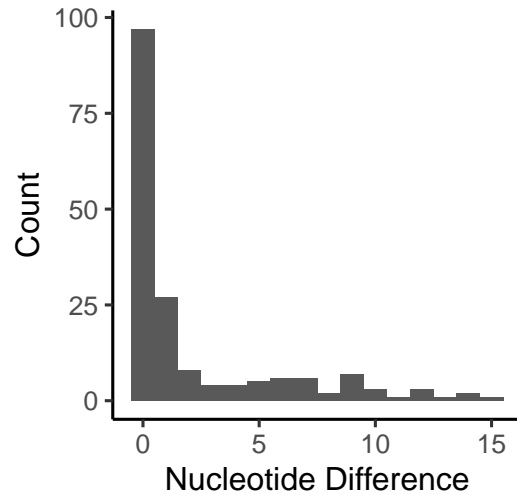
IGHV3-20*01

42 sequences assigned
4 (9.5%) exact matches, in which:
4 unique CDR3
4 unique J



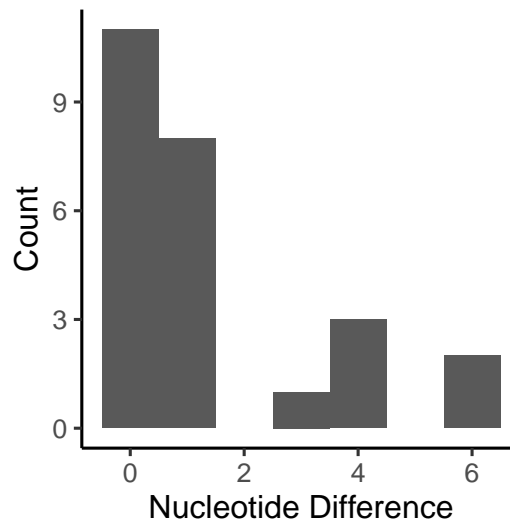
IGHV3-11*01

194 sequences assigned
97 (50%) exact matches, in which:
96 unique CDR3
6 unique J



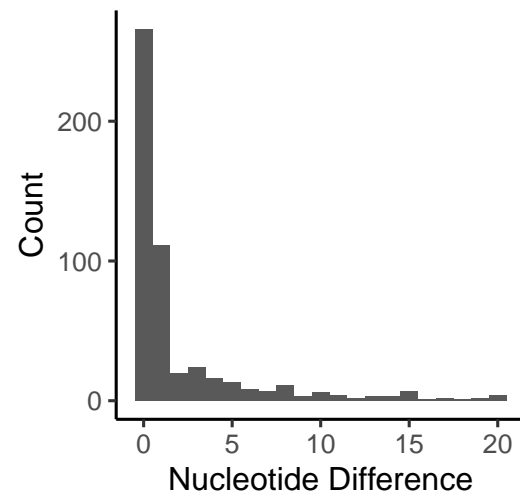
IGHV3-13*05

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



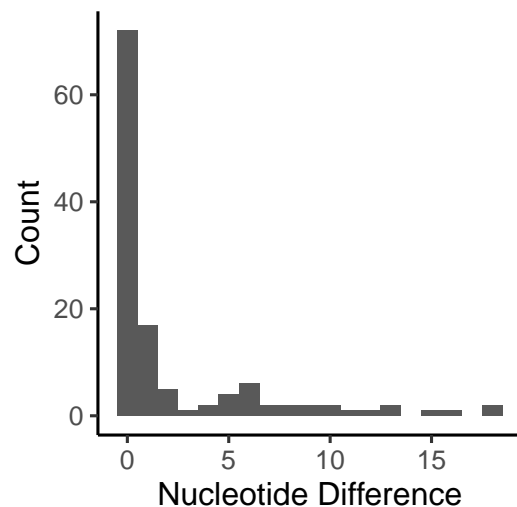
IGHV3-21*01

526 sequences assigned
266 (50.6%) exact matches, in which:
266 unique CDR3
7 unique J



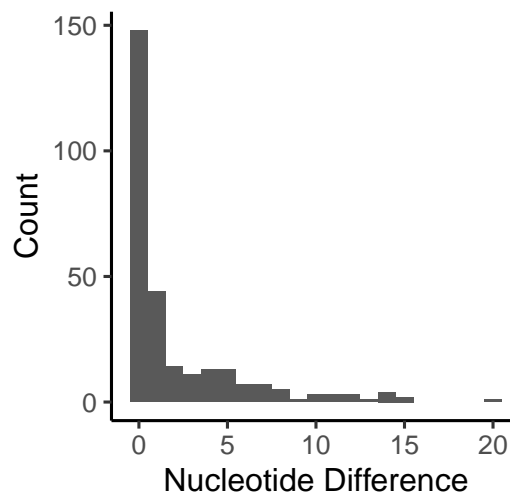
IGHV3-11*06

123 sequences assigned
72 (58.5%) exact matches, in which:
72 unique CDR3
5 unique J



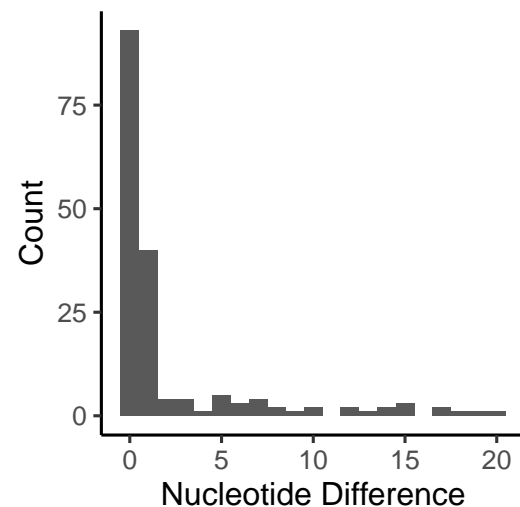
IGHV3-15*01

292 sequences assigned
148 (50.7%) exact matches, in which:
148 unique CDR3
6 unique J



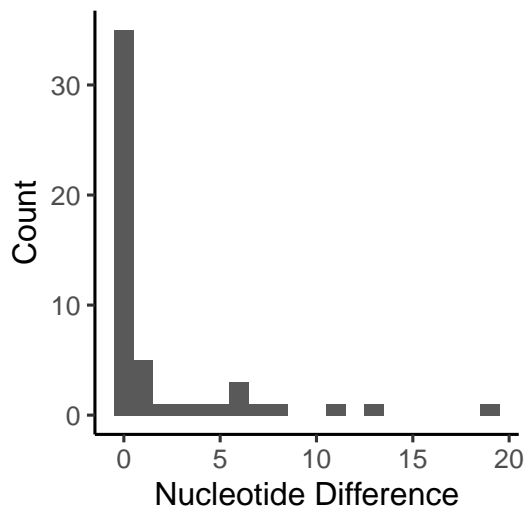
IGHV3-30-3*01

182 sequences assigned
93 (51.1%) exact matches, in which:
93 unique CDR3
5 unique J



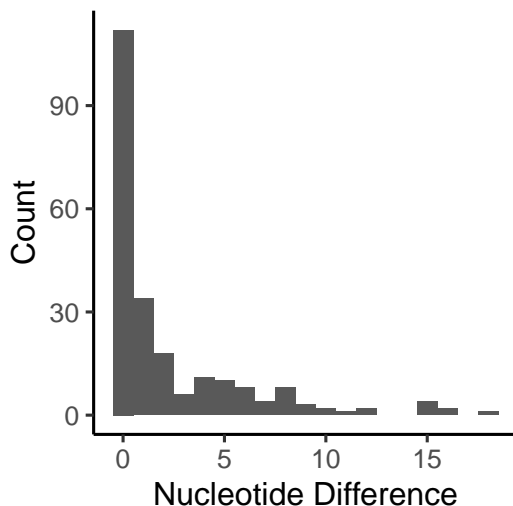
IGHV3-30-3*01_T158G

54 sequences assigned
35 (64.8%) exact matches, in which:
35 unique CDR3
5 unique J



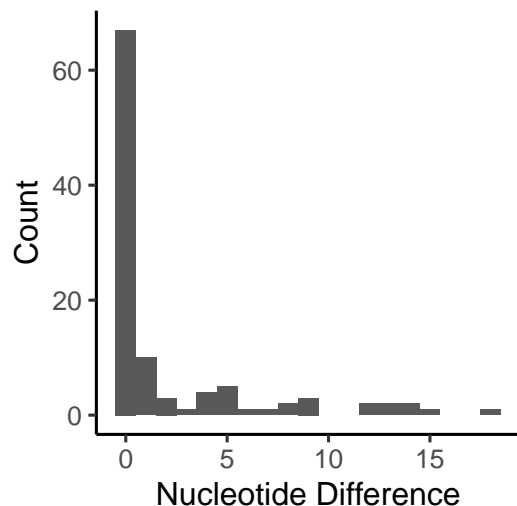
IGHV3-33*01_T158G

228 sequences assigned
112 (49.1%) exact matches, in which:
112 unique CDR3
7 unique J



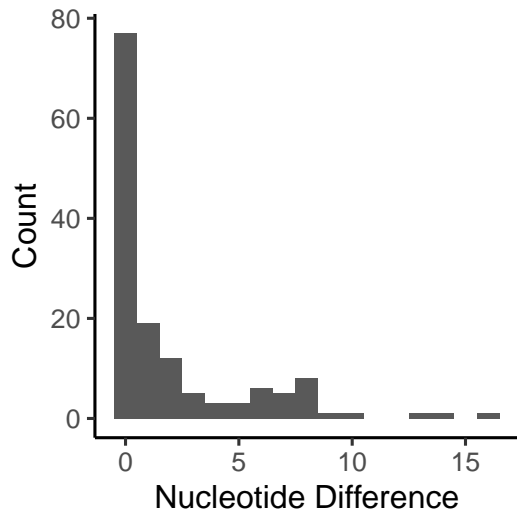
IGHV3-49*03

106 sequences assigned
67 (63.2%) exact matches, in which:
67 unique CDR3
6 unique J



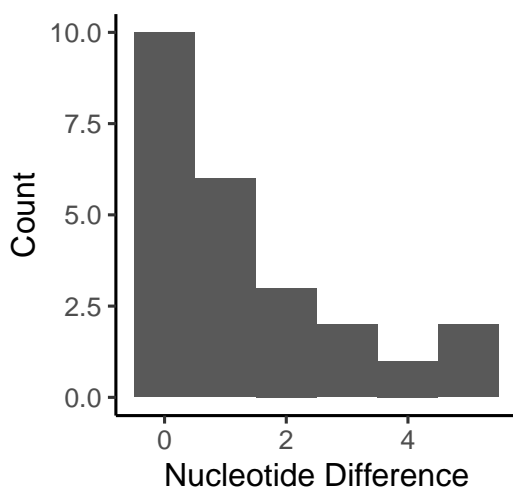
IGHV3-30*18_T158G

148 sequences assigned
77 (52%) exact matches, in which:
77 unique CDR3
7 unique J



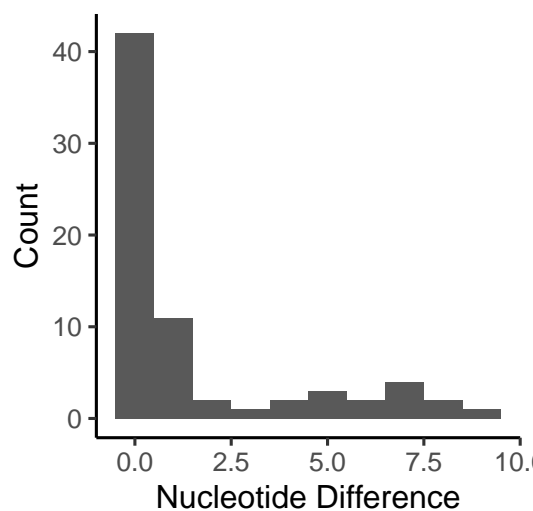
IGHV3-43*01

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



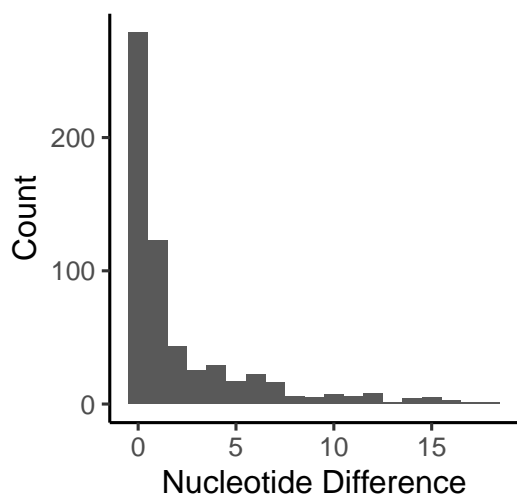
IGHV3-53*02

73 sequences assigned
42 (57.5%) exact matches, in which:
42 unique CDR3
6 unique J



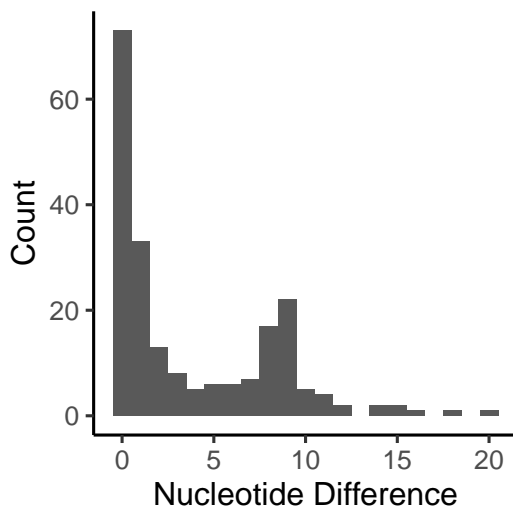
IGHV3-33*01

613 sequences assigned
279 (45.5%) exact matches, in which:
278 unique CDR3
6 unique J



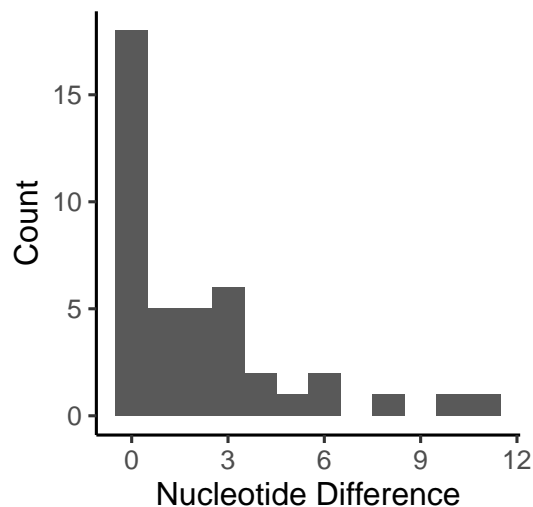
IGHV3-48*01

213 sequences assigned
73 (34.3%) exact matches, in which:
72 unique CDR3
7 unique J



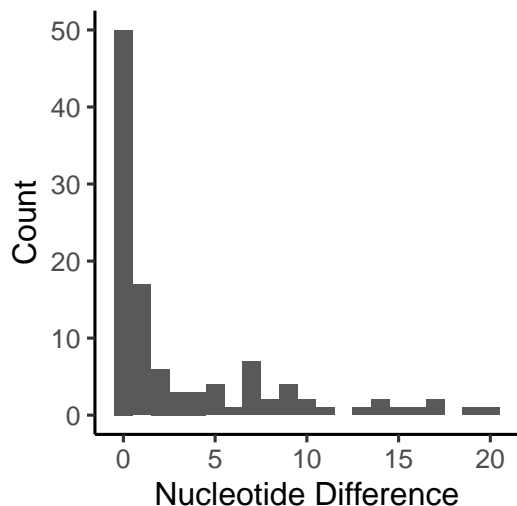
IGHV3-64*01

42 sequences assigned
18 (42.9%) exact matches, in which:
18 unique CDR3
3 unique J



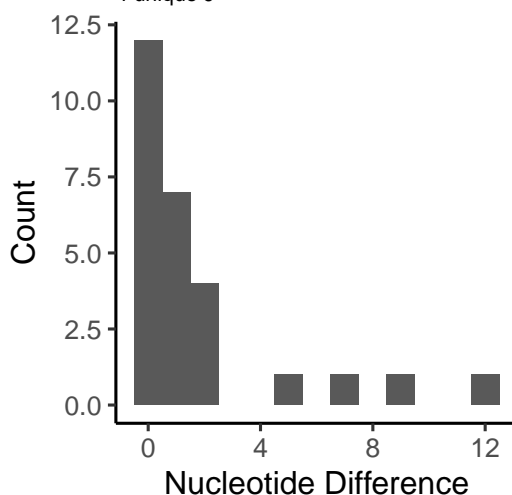
IGHV3-66*02

110 sequences assigned
50 (45.5%) exact matches, in which:
50 unique CDR3
5 unique J



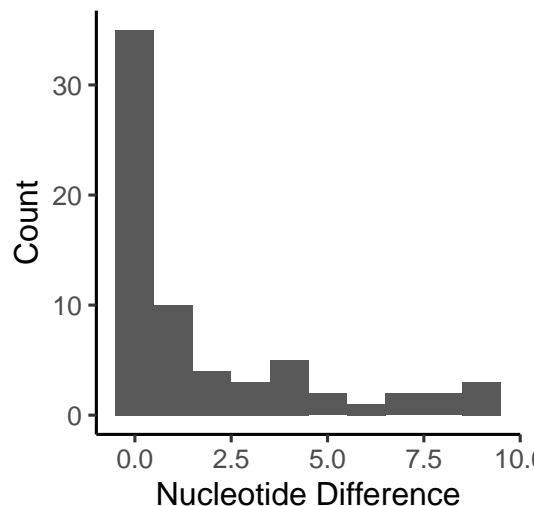
IGHV3-73*01

28 sequences assigned
12 (42.9%) exact matches, in which:
12 unique CDR3
4 unique J



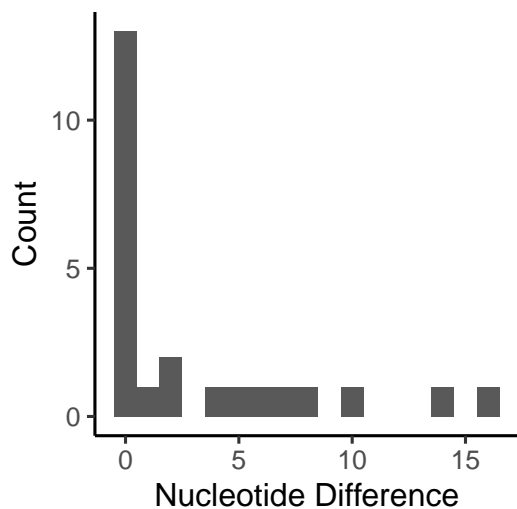
IGHV3-64D*06

67 sequences assigned
35 (52.2%) exact matches, in which:
34 unique CDR3
4 unique J



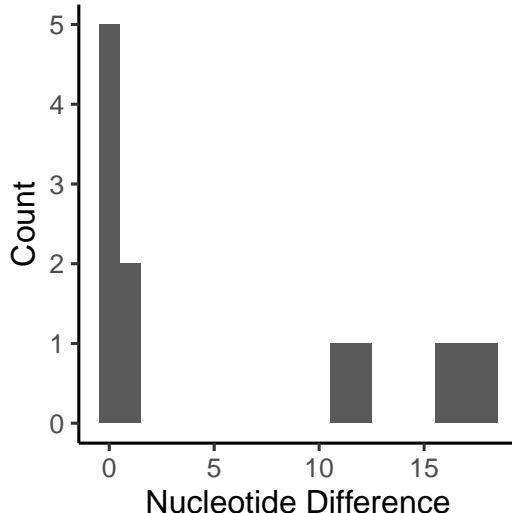
IGHV3-66*02_T158G

24 sequences assigned
13 (54.2%) exact matches, in which:
13 unique CDR3
4 unique J



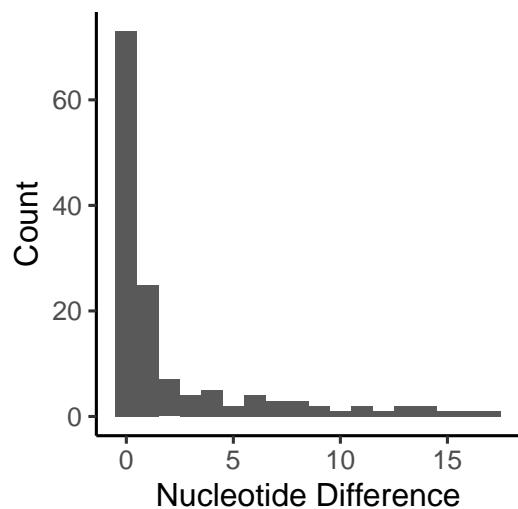
IGHV3-73*02

15 sequences assigned
5 (33.3%) exact matches, in which:
5 unique CDR3
2 unique J



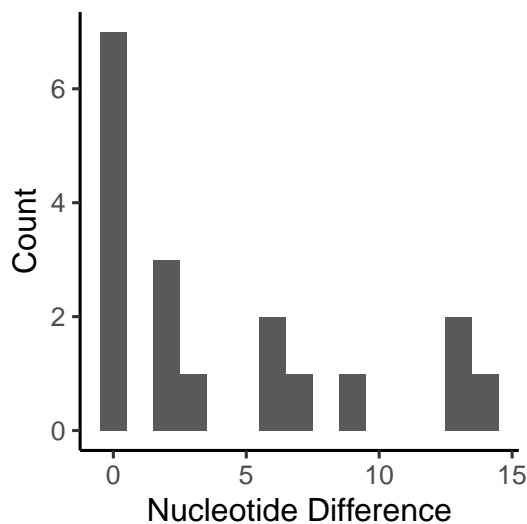
IGHV4-4*07

145 sequences assigned
73 (50.3%) exact matches, in which:
73 unique CDR3
5 unique J



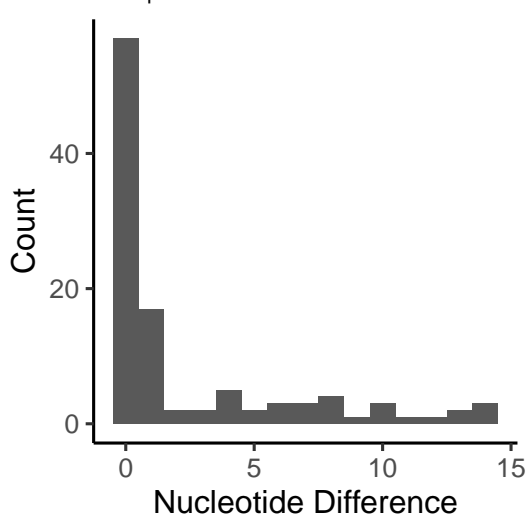
IGHV3-72*01

20 sequences assigned
7 (35%) exact matches, in which:
7 unique CDR3
2 unique J



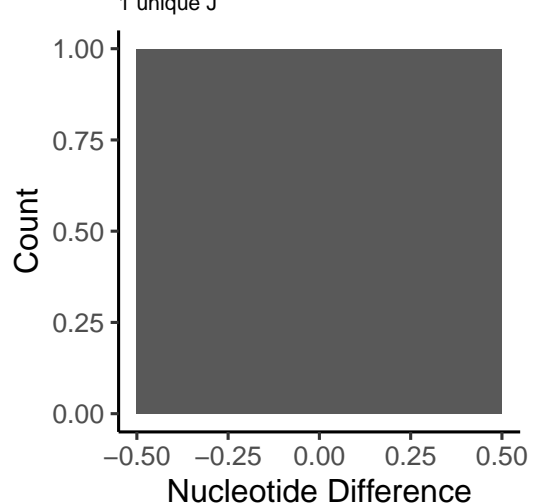
IGHV3-74*01

112 sequences assigned
57 (50.9%) exact matches, in which:
57 unique CDR3
6 unique J



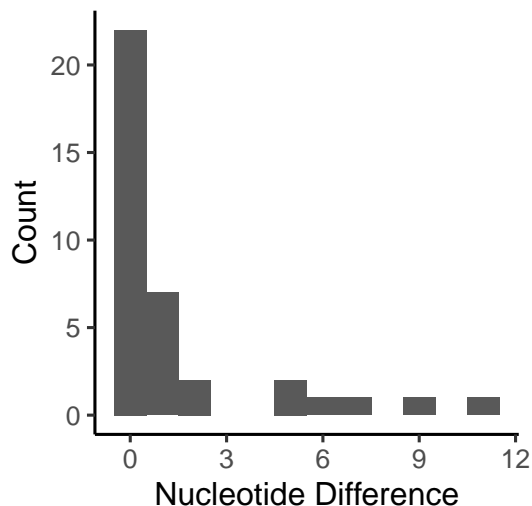
IGHV4-28*01

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



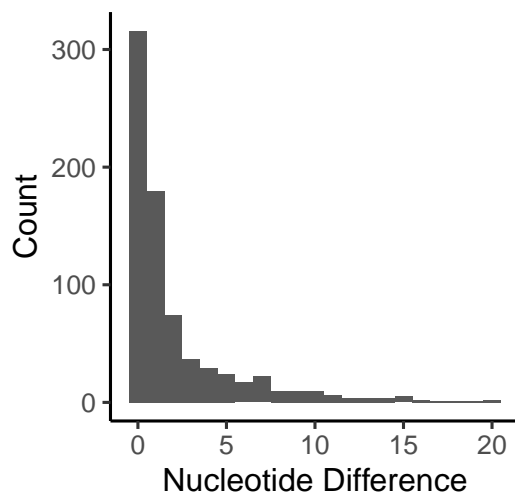
IGHV4-30-4*01

38 sequences assigned
22 (57.9%) exact matches, in which:
21 unique CDR3
6 unique J



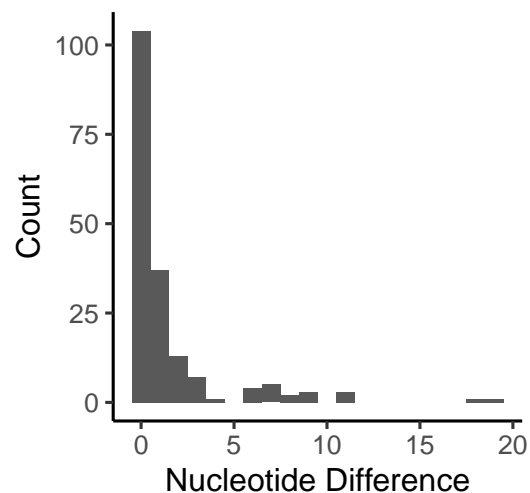
IGHV4-34*01

768 sequences assigned
316 (41.1%) exact matches, in which:
311 unique CDR3
7 unique J



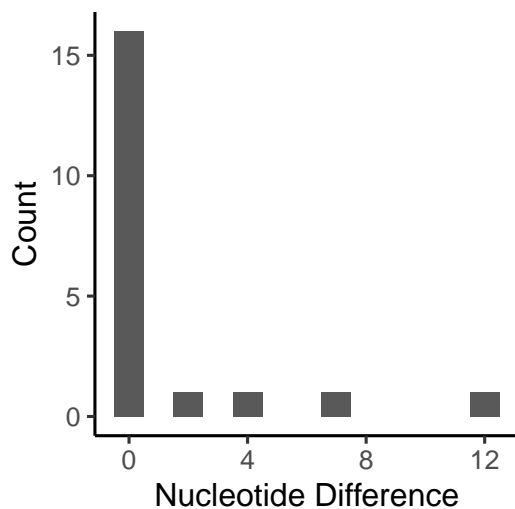
IGHV4-61*02

183 sequences assigned
104 (56.8%) exact matches, in which:
104 unique CDR3
5 unique J



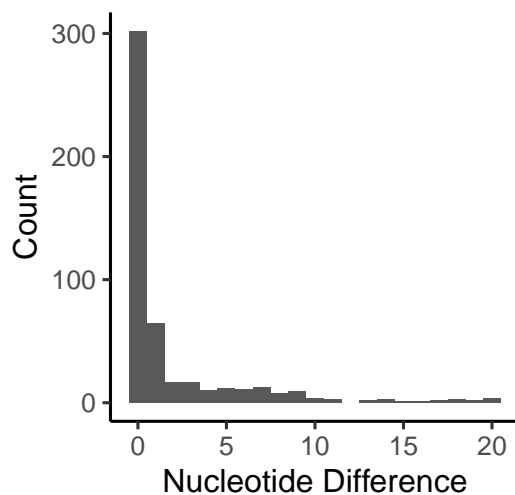
IGHV4-30-2*01

20 sequences assigned
16 (80%) exact matches, in which:
16 unique CDR3
5 unique J



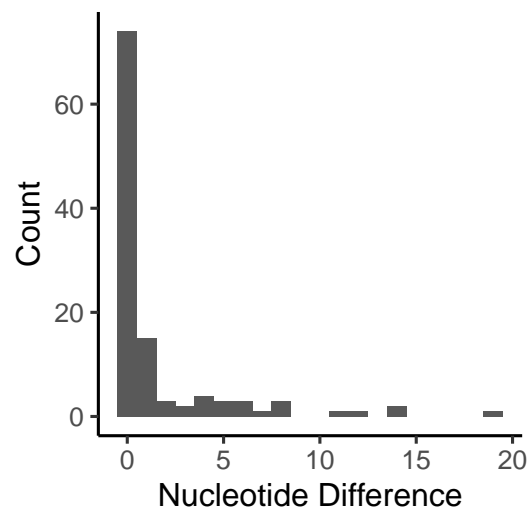
IGHV4-39*01

499 sequences assigned
302 (60.5%) exact matches, in which:
300 unique CDR3
6 unique J



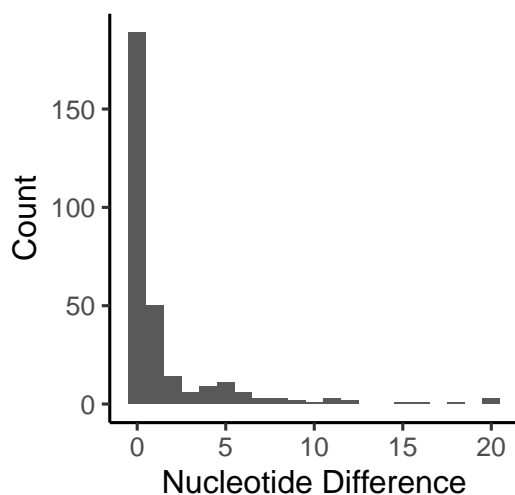
IGHV4-61*02_A234G

125 sequences assigned
74 (59.2%) exact matches, in which:
74 unique CDR3
5 unique J



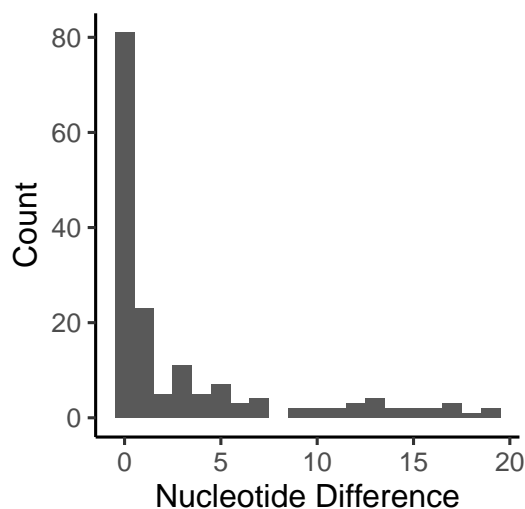
IGHV4-31*03

316 sequences assigned
189 (59.8%) exact matches, in which:
187 unique CDR3
7 unique J



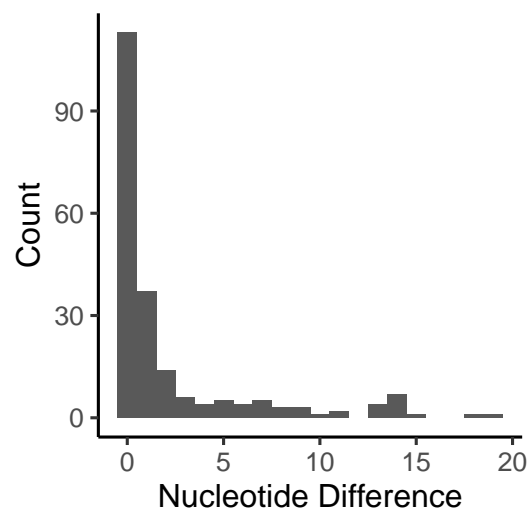
IGHV4-59*01

186 sequences assigned
81 (43.5%) exact matches, in which:
81 unique CDR3
6 unique J



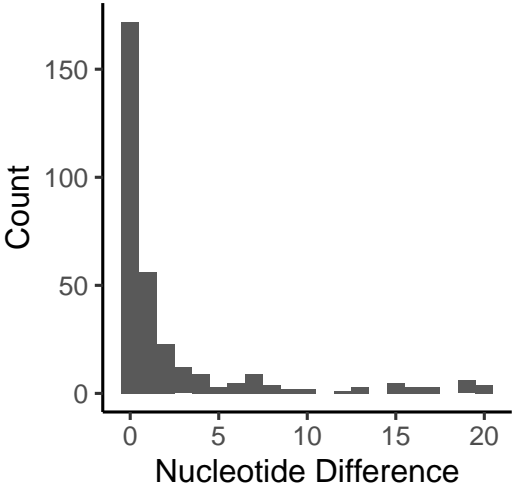
IGHV5-10-1*03

212 sequences assigned
113 (53.3%) exact matches, in which:
112 unique CDR3
6 unique J



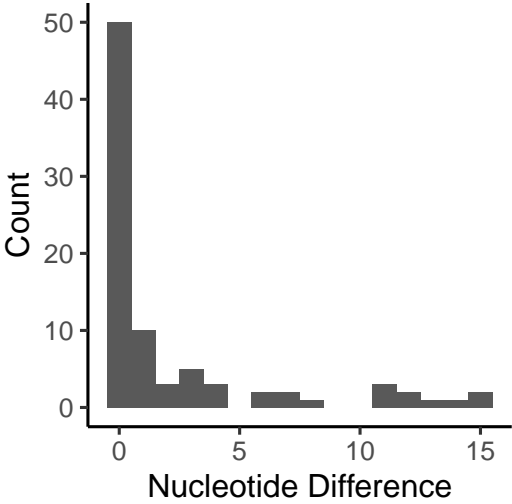
IGHV5-51*01_C45G

329 sequences assigned
172 (52.3%) exact matches, in which:
171 unique CDR3
7 unique J

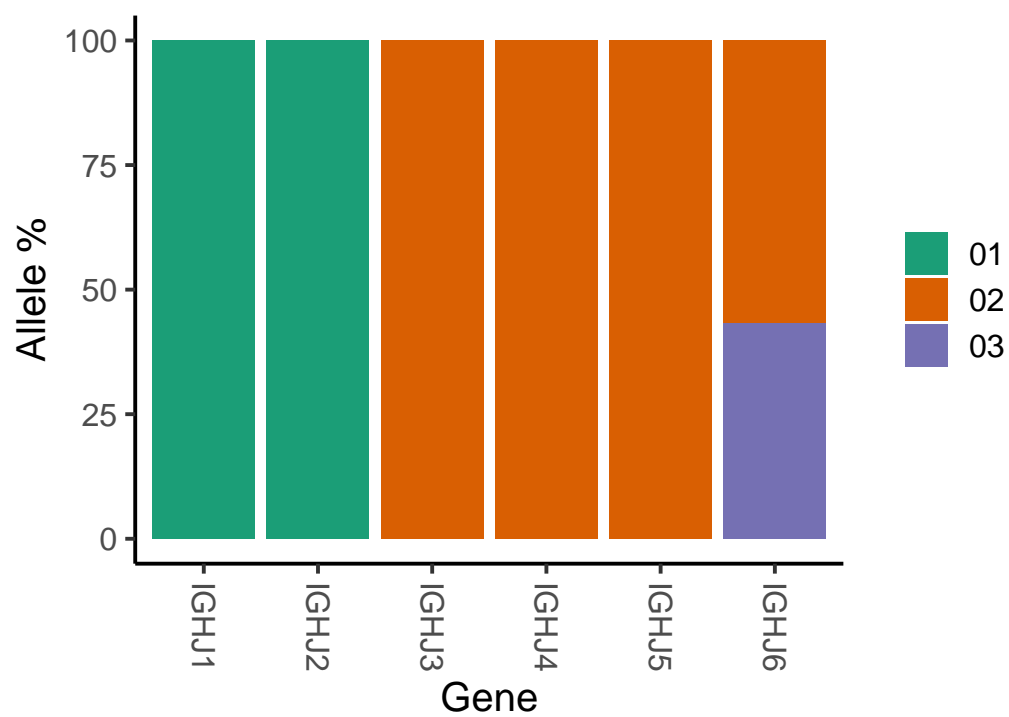


IGHV6-1*01

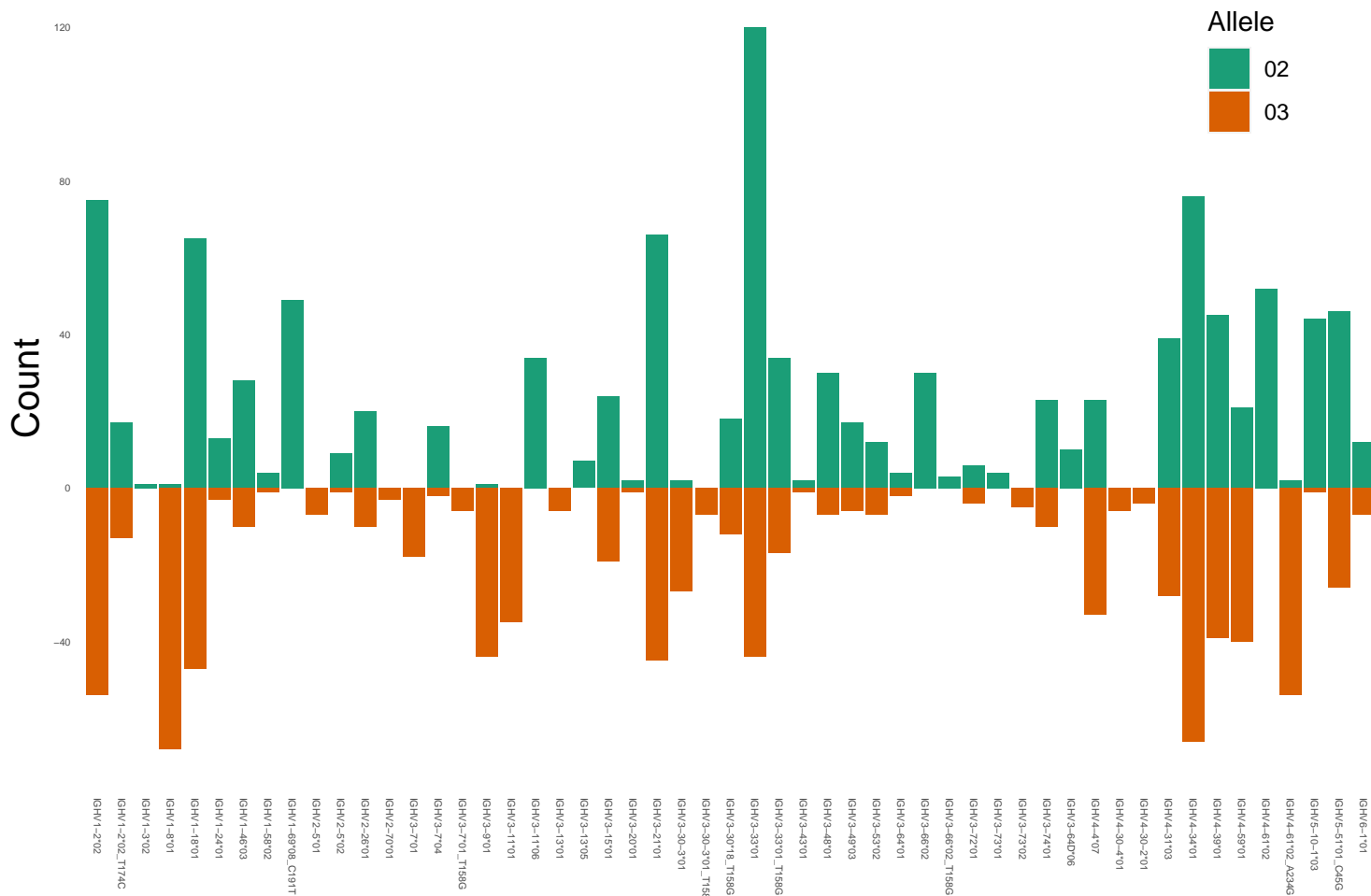
90 sequences assigned
50 (55.6%) exact matches, in which:
49 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.