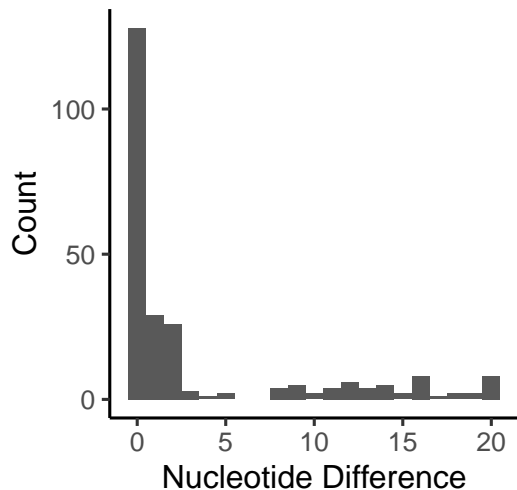


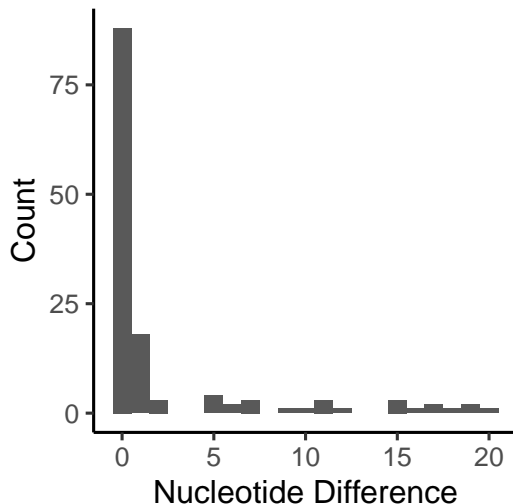
IGHV1-2*06

383 sequences assigned
128 (33.4%) exact matches, in which:
128 unique CDR3
6 unique J



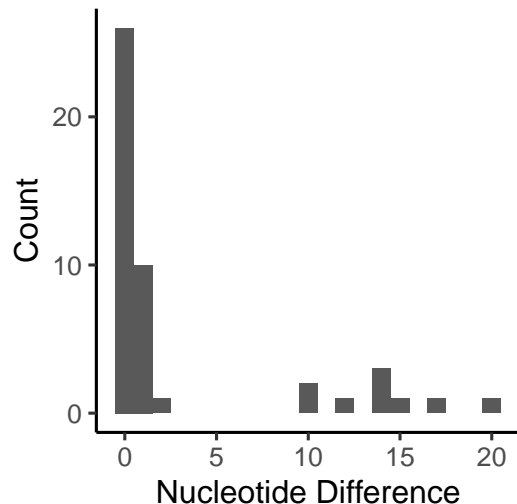
IGHV1-8*01

174 sequences assigned
88 (50.6%) exact matches, in which:
88 unique CDR3
6 unique J



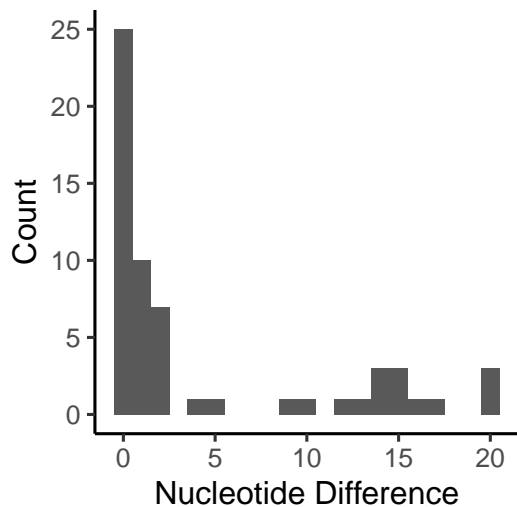
IGHV1-24*01

59 sequences assigned
26 (44.1%) exact matches, in which:
26 unique CDR3
5 unique J



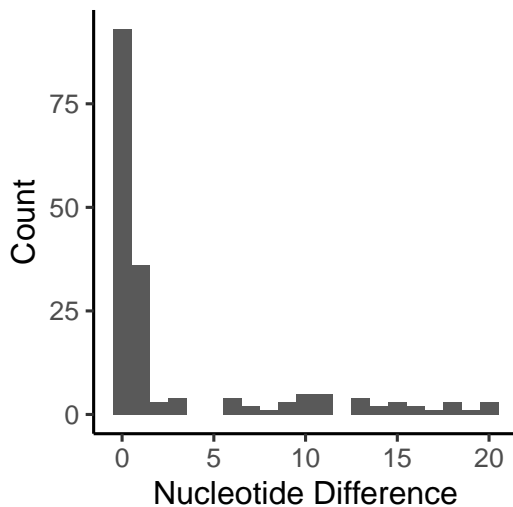
IGHV1-2*06_T174C

107 sequences assigned
25 (23.4%) exact matches, in which:
25 unique CDR3
5 unique J



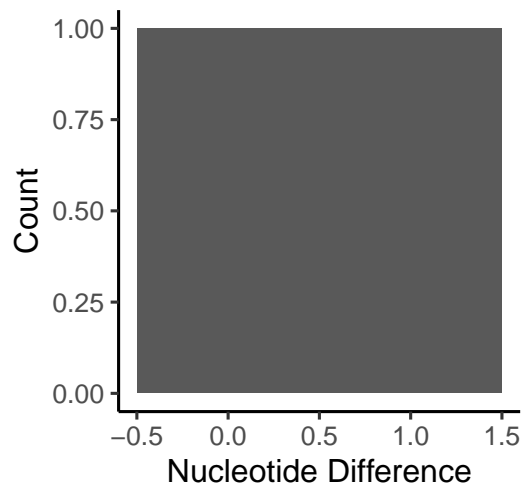
IGHV1-18*01

347 sequences assigned
93 (26.8%) exact matches, in which:
93 unique CDR3
6 unique J



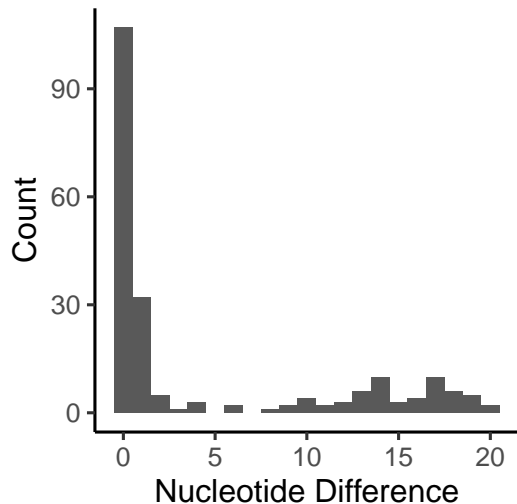
IGHV1-45*02

16 sequences assigned
1 (6.2%) exact matches, in which:
1 unique CDR3
1 unique J



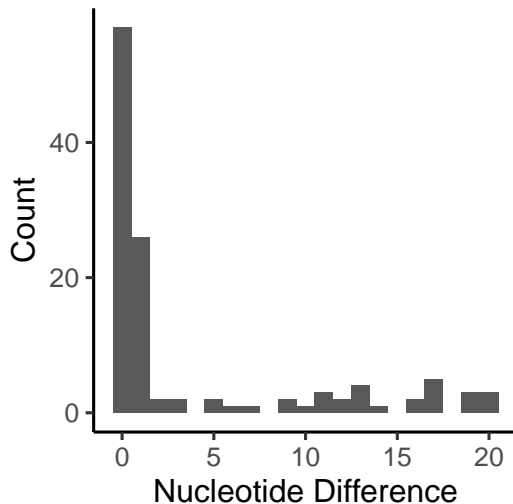
IGHV1-3*01

439 sequences assigned
107 (24.4%) exact matches, in which:
107 unique CDR3
7 unique J



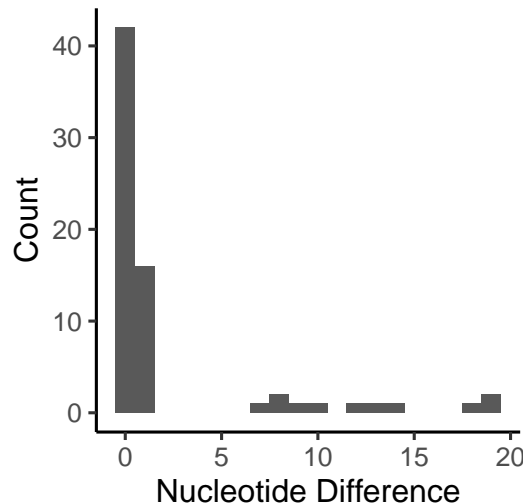
IGHV1-18*04

216 sequences assigned
57 (26.4%) exact matches, in which:
57 unique CDR3
4 unique J



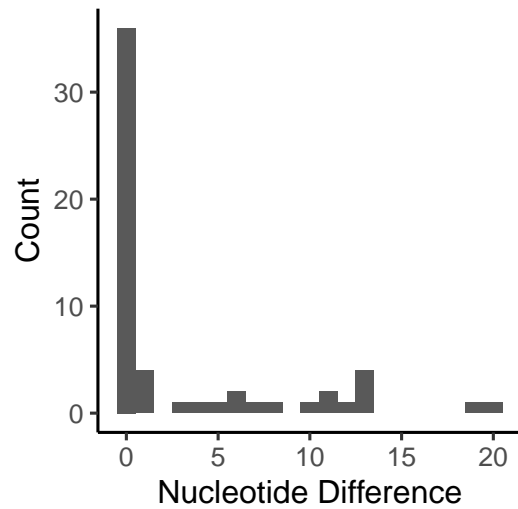
IGHV1-46*01

138 sequences assigned
42 (30.4%) exact matches, in which:
42 unique CDR3
5 unique J



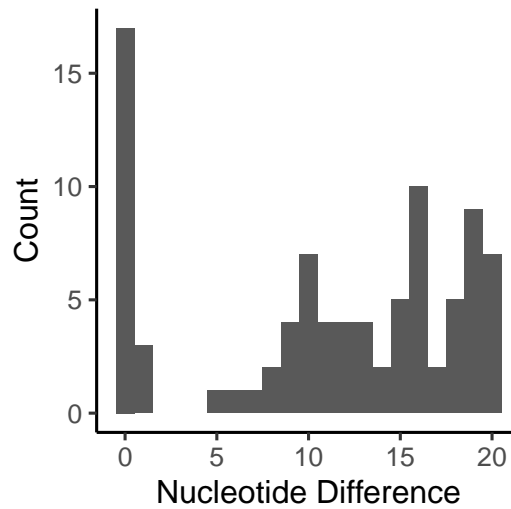
IGHV1-46*03

127 sequences assigned
36 (28.3%) exact matches, in which:
36 unique CDR3
5 unique J



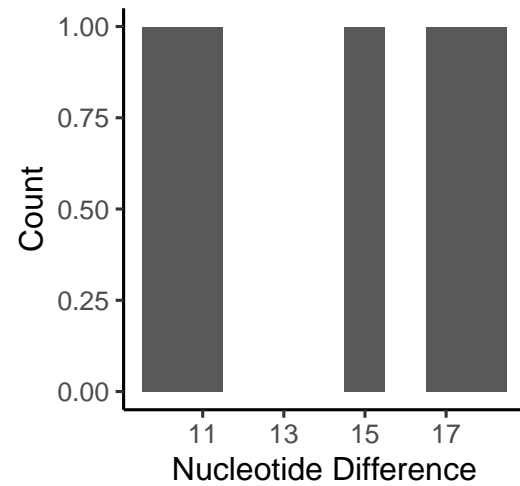
IGHV2-5*02

118 sequences assigned
17 (14.4%) exact matches, in which:
17 unique CDR3
4 unique J



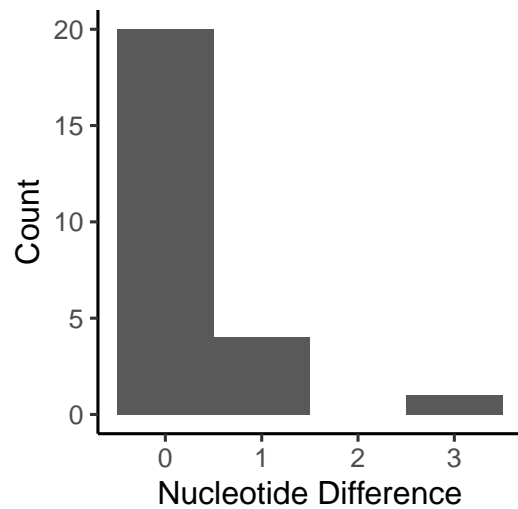
IGHV2-70*13

11 sequences assigned
No exact matches.



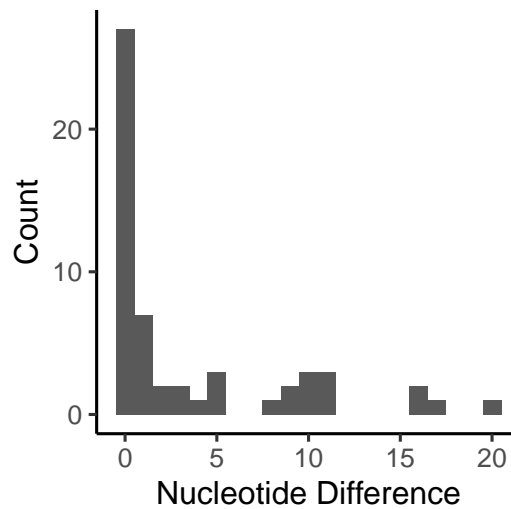
IGHV1-58*01

34 sequences assigned
20 (58.8%) exact matches, in which:
20 unique CDR3
5 unique J



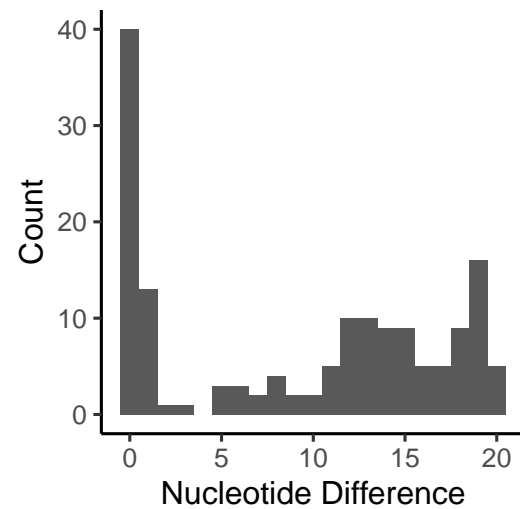
IGHV2-26*01

69 sequences assigned
27 (39.1%) exact matches, in which:
27 unique CDR3
5 unique J



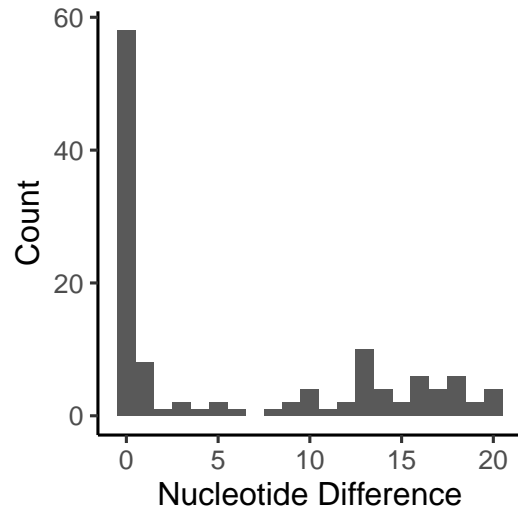
IGHV3-7*01

261 sequences assigned
40 (15.3%) exact matches, in which:
40 unique CDR3
4 unique J



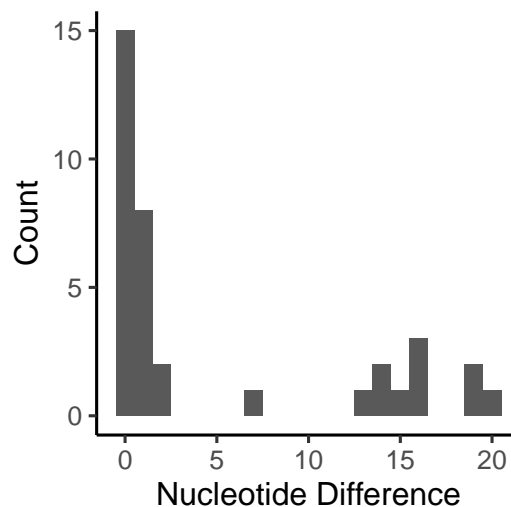
IGHV2-5*01

159 sequences assigned
58 (36.5%) exact matches, in which:
58 unique CDR3
6 unique J



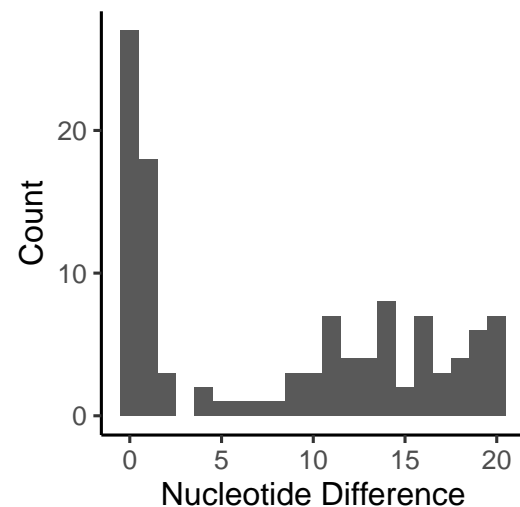
IGHV2-70*01

52 sequences assigned
15 (28.8%) exact matches, in which:
15 unique CDR3
5 unique J



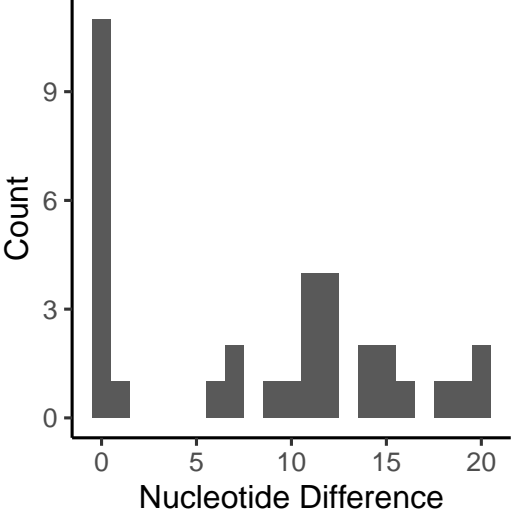
IGHV3-7*03

234 sequences assigned
27 (11.5%) exact matches, in which:
25 unique CDR3
4 unique J



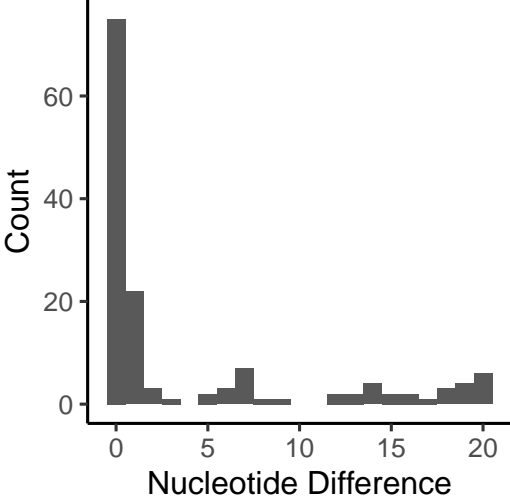
IGHV3-7*03_T158G

76 sequences assigned
11 (14.5%) exact matches, in which:
11 unique CDR3
3 unique J



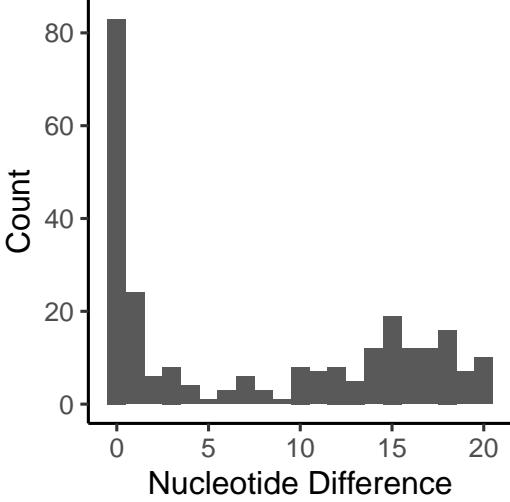
IGHV3-11*06

268 sequences assigned
75 (28%) exact matches, in which:
75 unique CDR3
7 unique J



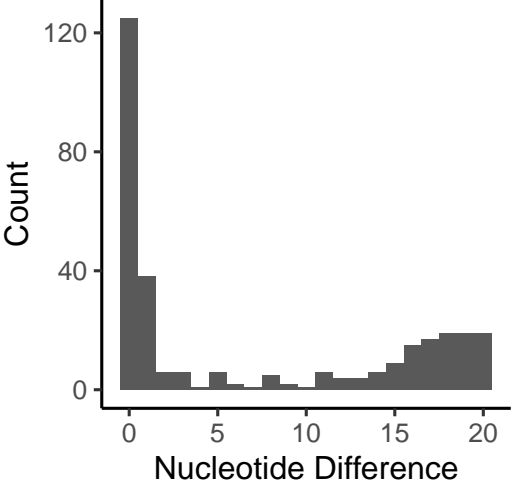
IGHV3-15*01

444 sequences assigned
83 (18.7%) exact matches, in which:
83 unique CDR3
6 unique J



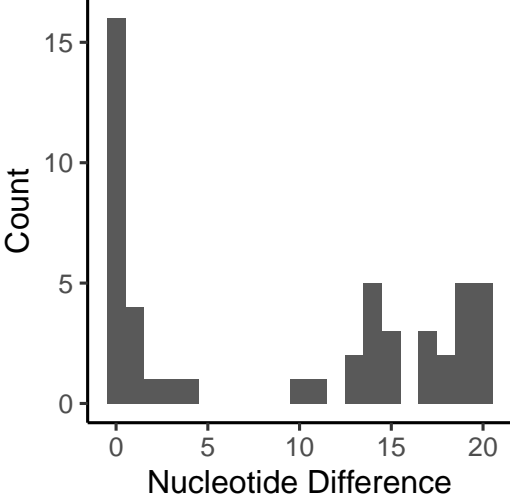
IGHV3-9*01

569 sequences assigned
125 (22%) exact matches, in which:
125 unique CDR3
6 unique J



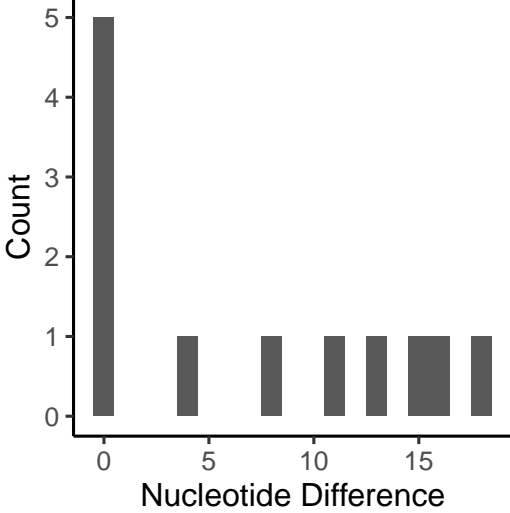
IGHV3-13*01

96 sequences assigned
16 (16.7%) exact matches, in which:
16 unique CDR3
3 unique J



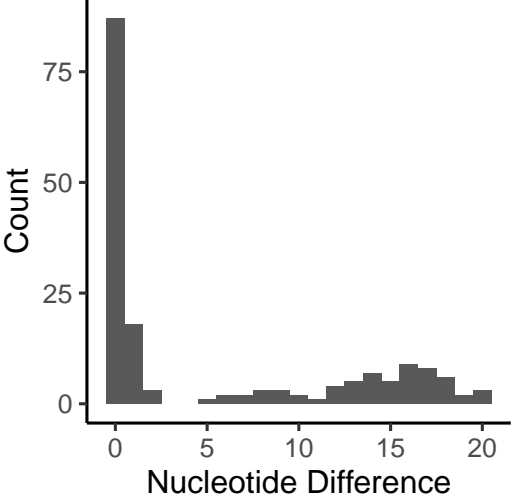
IGHV3-20*01

14 sequences assigned
5 (35.7%) exact matches, in which:
5 unique CDR3
3 unique J



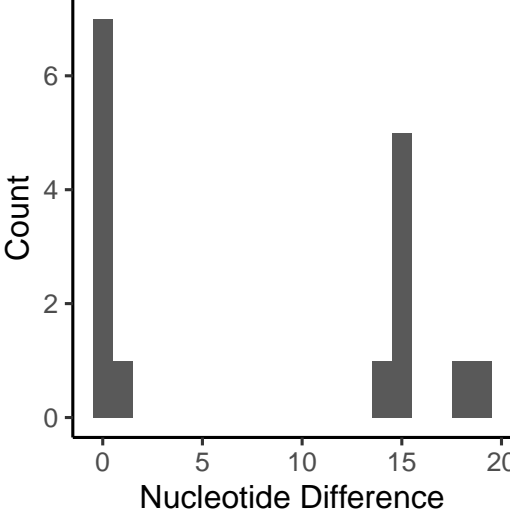
IGHV3-11*01

317 sequences assigned
87 (27.4%) exact matches, in which:
87 unique CDR3
5 unique J



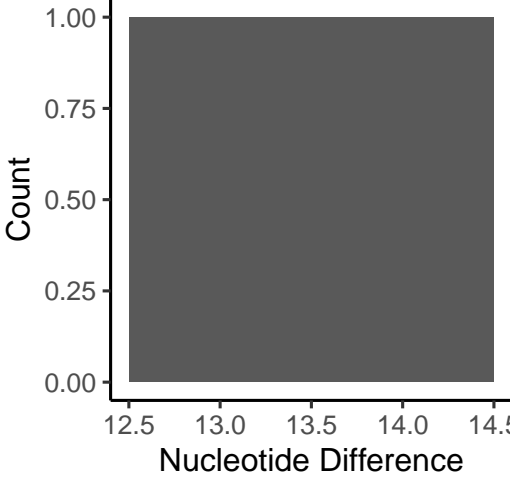
IGHV3-13*05

18 sequences assigned
7 (38.9%) exact matches, in which:
7 unique CDR3
4 unique J



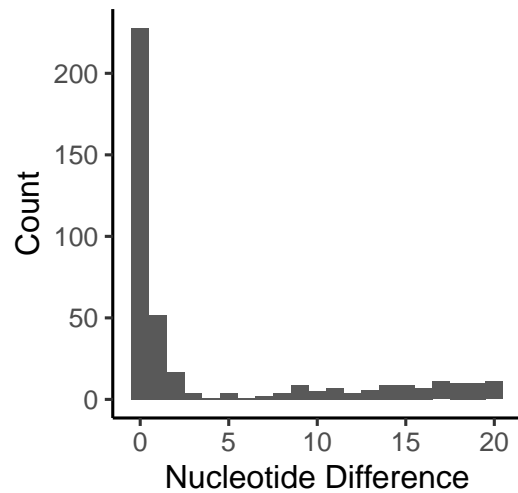
IGHV3-20*04

4 sequences assigned
No exact matches.



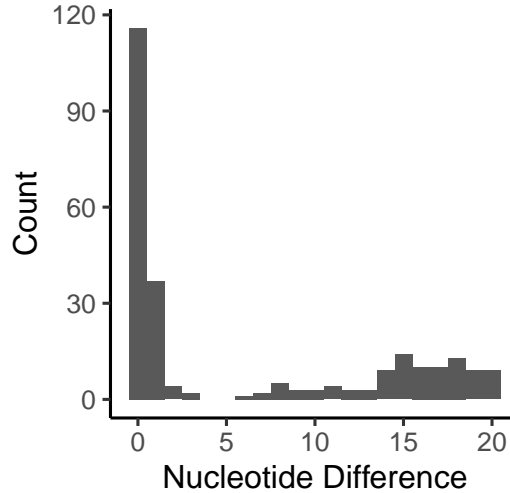
IGHV3-21*01

553 sequences assigned
228 (41.2%) exact matches, in which:
228 unique CDR3
7 unique J



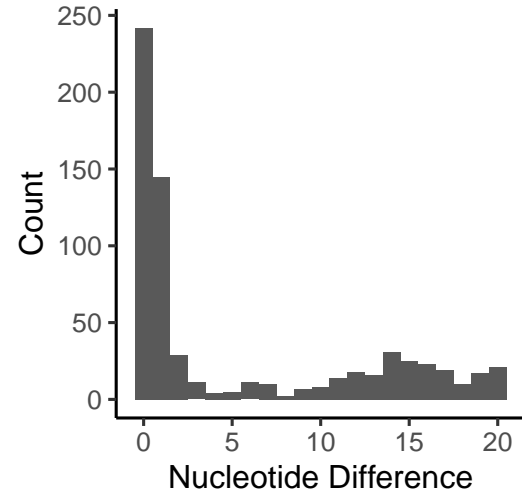
IGHV3-23*01_T158G

485 sequences assigned
116 (23.9%) exact matches, in which:
116 unique CDR3
7 unique J



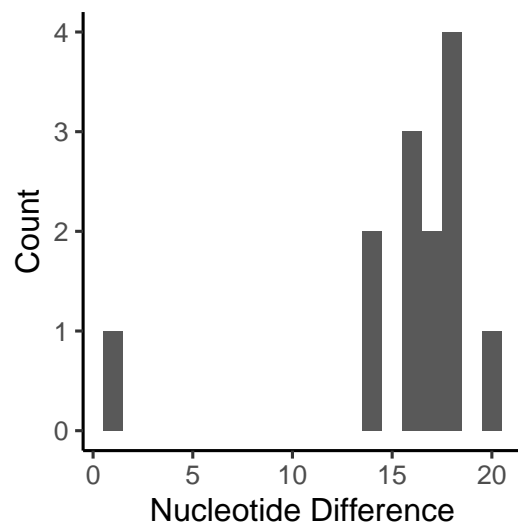
IGHV3-33*01

1217 sequences assigned
242 (19.9%) exact matches, in which:
237 unique CDR3
7 unique J



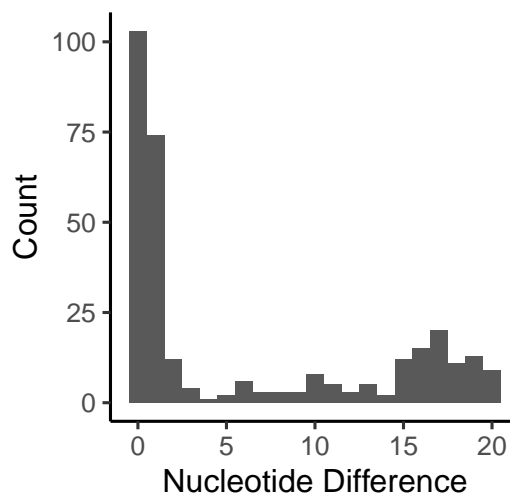
IGHV3-21*02

87 sequences assigned
No exact matches.



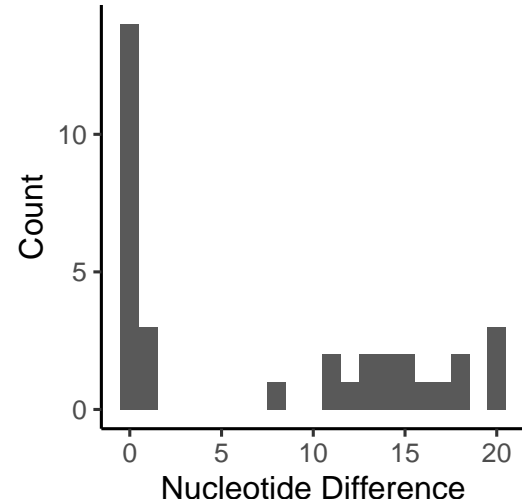
IGHV3-30-3*01

571 sequences assigned
103 (18%) exact matches, in which:
102 unique CDR3
5 unique J



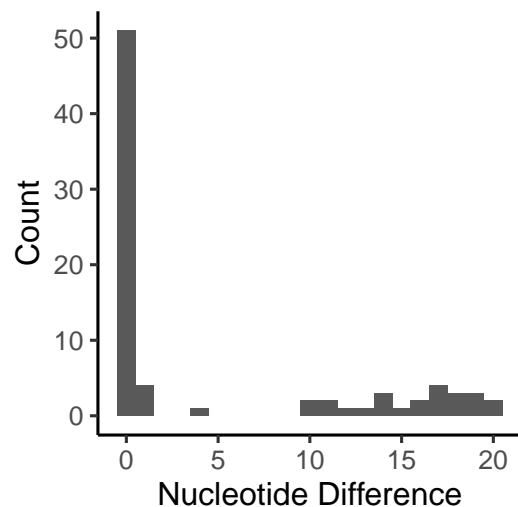
IGHV3-43*01

98 sequences assigned
14 (14.3%) exact matches, in which:
14 unique CDR3
4 unique J



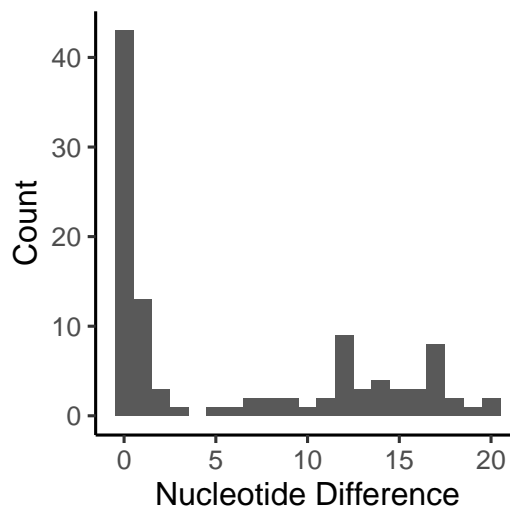
IGHV3-21*01_T158G

108 sequences assigned
51 (47.2%) exact matches, in which:
51 unique CDR3
6 unique J



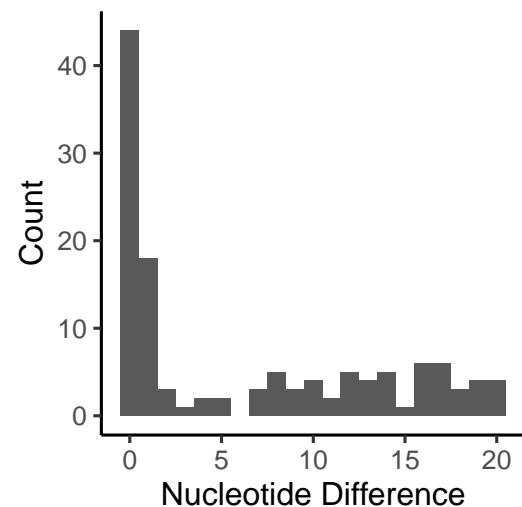
IGHV3-30*18_T158G

221 sequences assigned
43 (19.5%) exact matches, in which:
43 unique CDR3
6 unique J



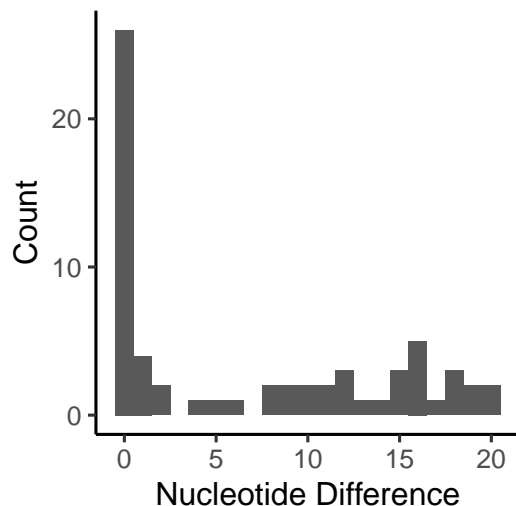
IGHV3-48*01

174 sequences assigned
44 (25.3%) exact matches, in which:
44 unique CDR3
5 unique J



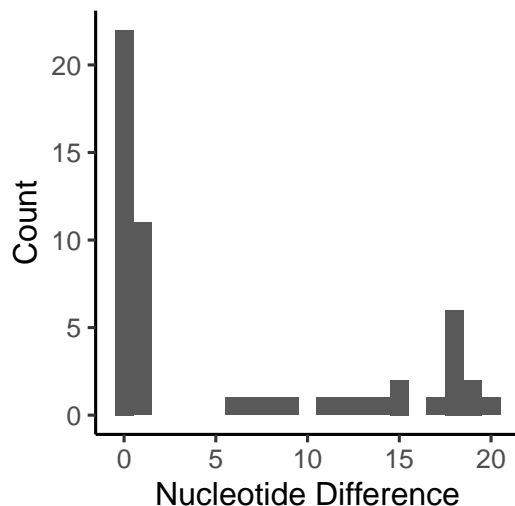
IGHV3-48*02

111 sequences assigned
26 (23.4%) exact matches, in which:
26 unique CDR3
4 unique J



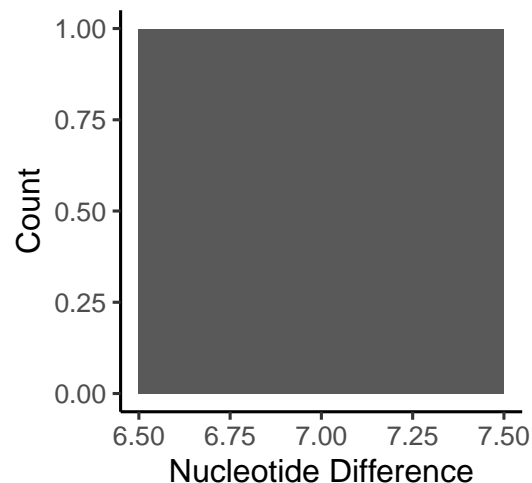
IGHV3-53*02

101 sequences assigned
22 (21.8%) exact matches, in which:
22 unique CDR3
6 unique J



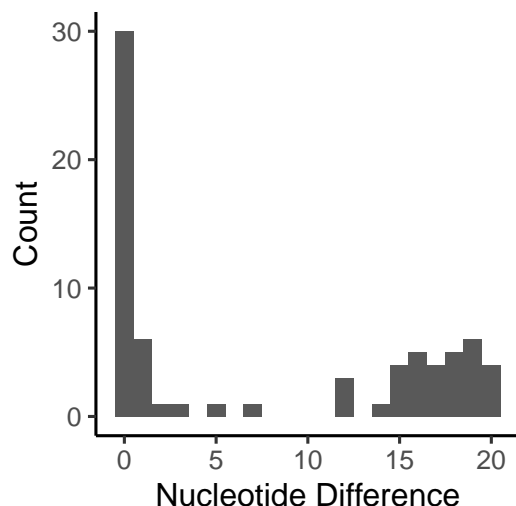
IGHV3-66*03

1 sequences assigned
No exact matches.



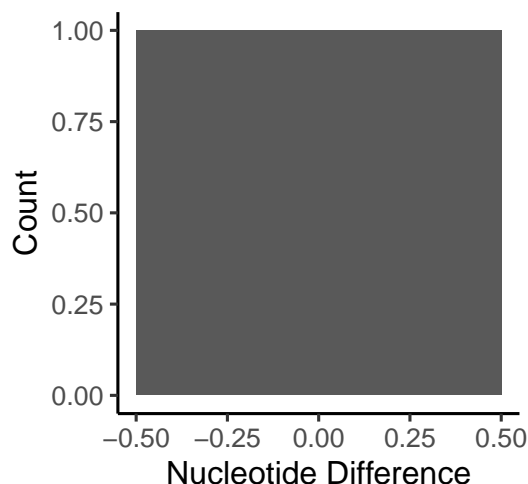
IGHV3-49*05

120 sequences assigned
30 (25%) exact matches, in which:
30 unique CDR3
7 unique J



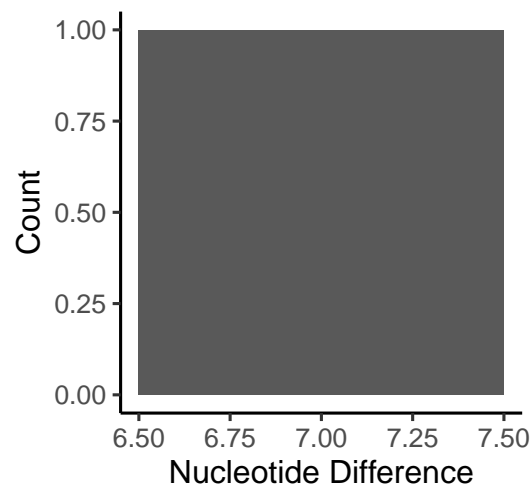
IGHV3-64*02

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



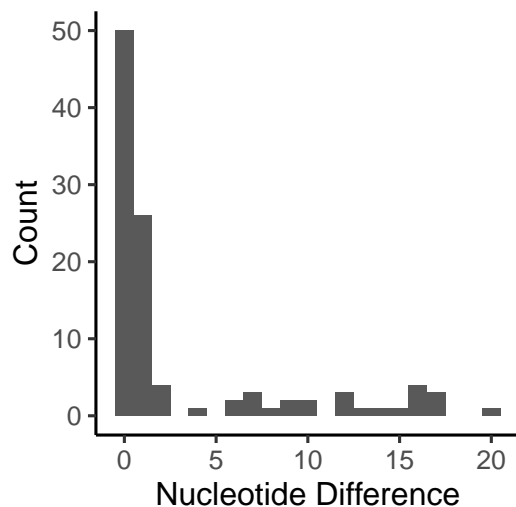
IGHV3-66*04

2 sequences assigned
No exact matches.



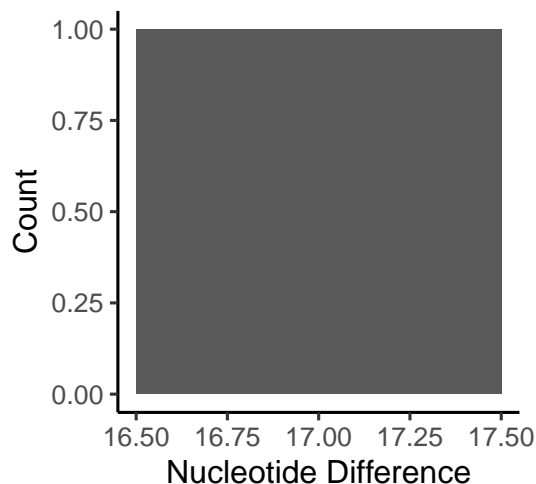
IGHV3-53*01

175 sequences assigned
50 (28.6%) exact matches, in which:
50 unique CDR3
7 unique J



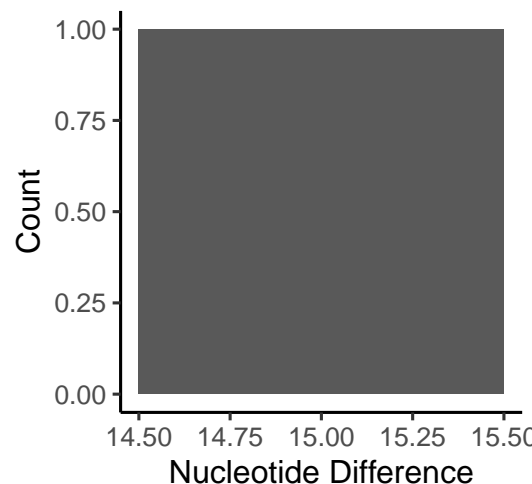
IGHV3-64*07

4 sequences assigned
No exact matches.



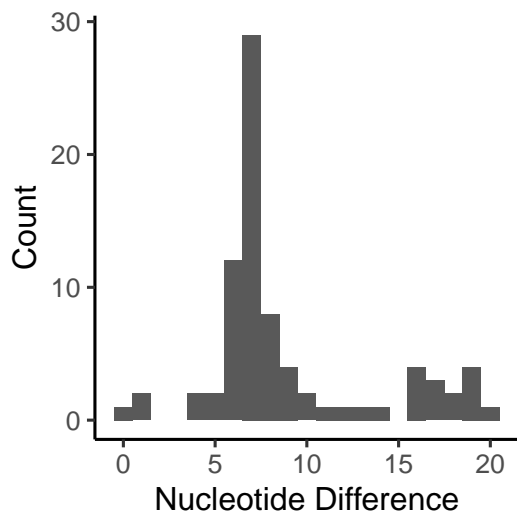
IGHV3-69-1*02

4 sequences assigned
No exact matches.



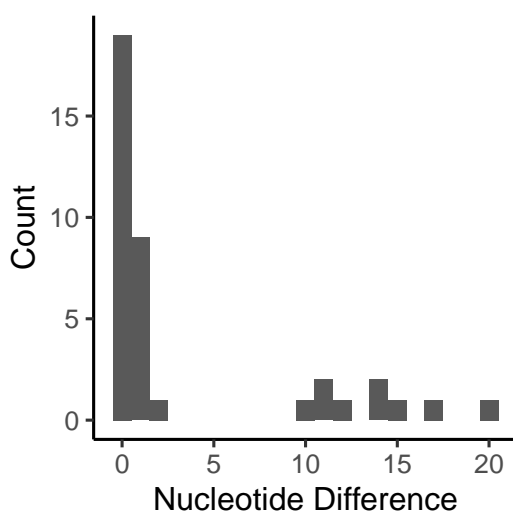
IGHV3-72*01

139 sequences assigned
1 (0.7%) exact matches, in which:
1 unique CDR3
1 unique J



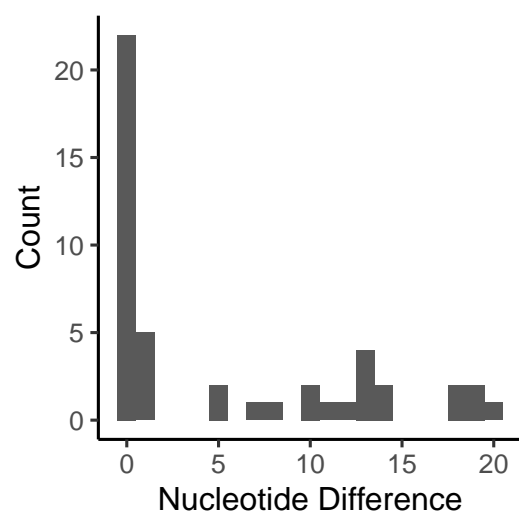
IGHV3-64D*06

81 sequences assigned
19 (23.5%) exact matches, in which:
19 unique CDR3
3 unique J



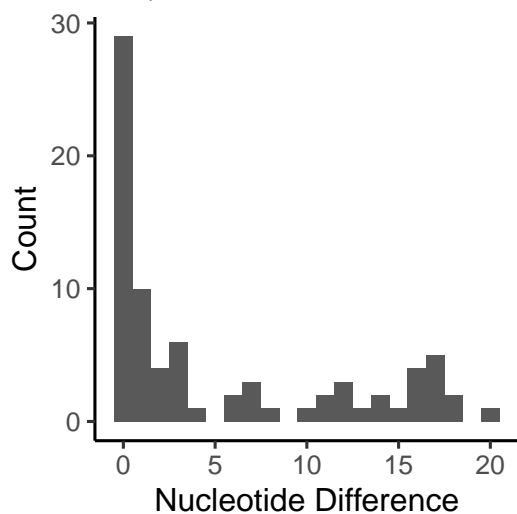
IGHV4-30-4*01

71 sequences assigned
22 (31%) exact matches, in which:
22 unique CDR3
5 unique J



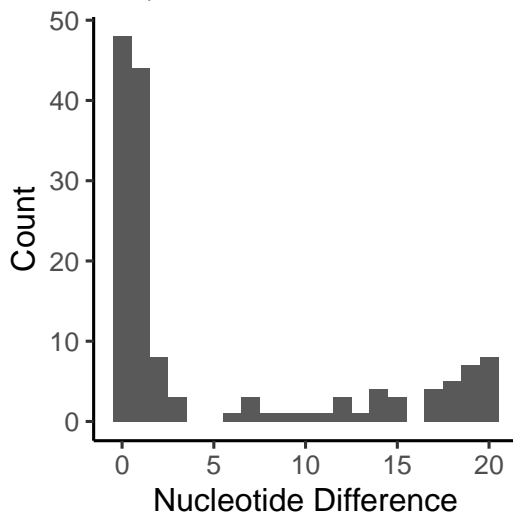
IGHV3-73*02

113 sequences assigned
29 (25.7%) exact matches, in which:
29 unique CDR3
6 unique J



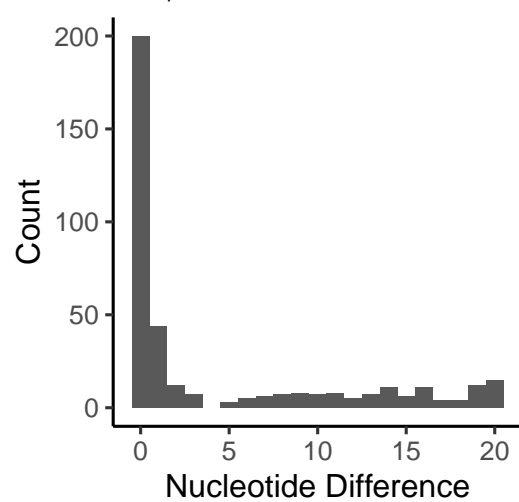
IGHV4-4*02

260 sequences assigned
48 (18.5%) exact matches, in which:
48 unique CDR3
6 unique J



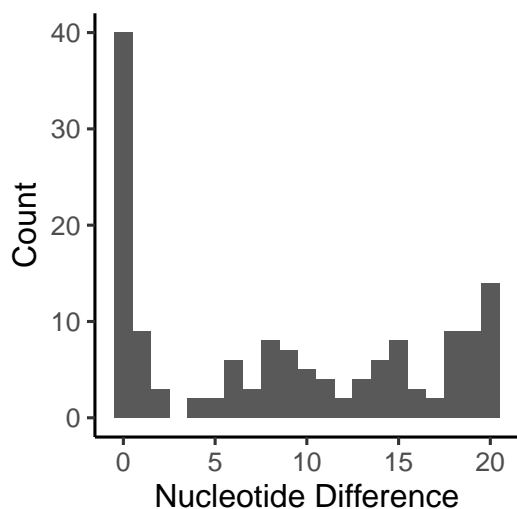
IGHV4-31*03

680 sequences assigned
200 (29.4%) exact matches, in which:
200 unique CDR3
7 unique J



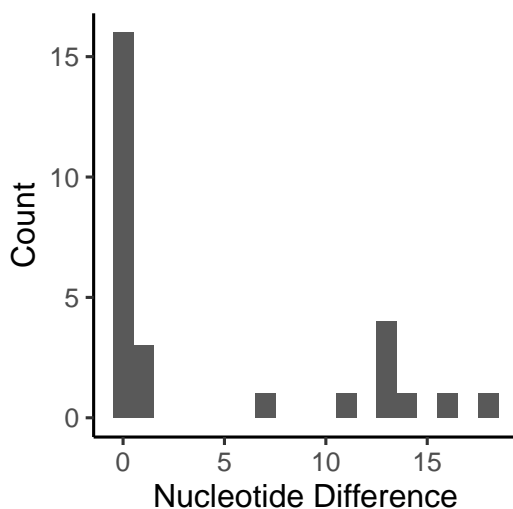
IGHV3-74*01

367 sequences assigned
40 (10.9%) exact matches, in which:
39 unique CDR3
6 unique J



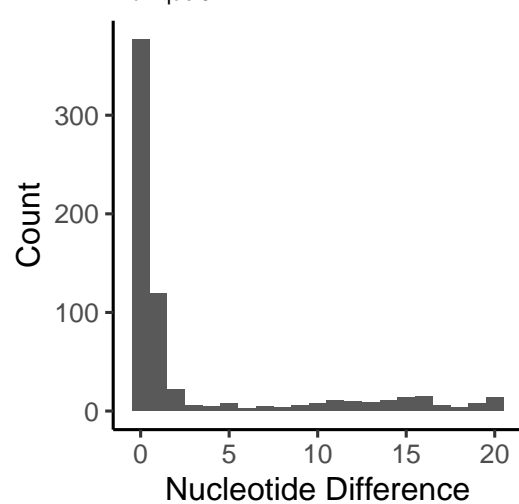
IGHV4-30-2*01

44 sequences assigned
16 (36.4%) exact matches, in which:
16 unique CDR3
6 unique J



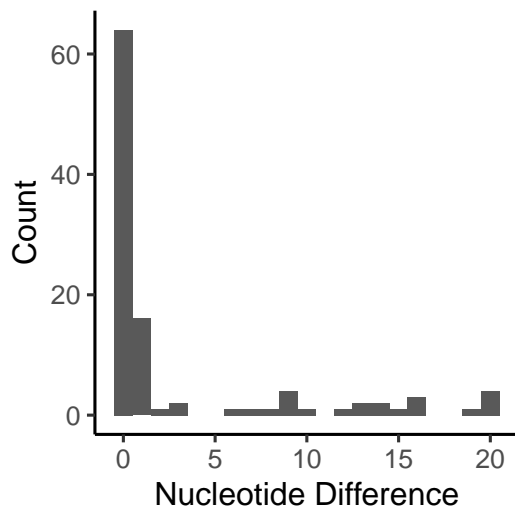
IGHV4-34*01

859 sequences assigned
377 (43.9%) exact matches, in which:
376 unique CDR3
7 unique J



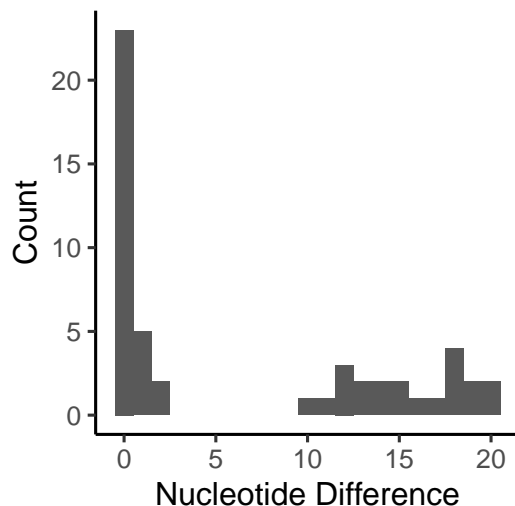
IGHV4-34*01_T208C

132 sequences assigned
64 (48.5%) exact matches, in which:
64 unique CDR3
7 unique J



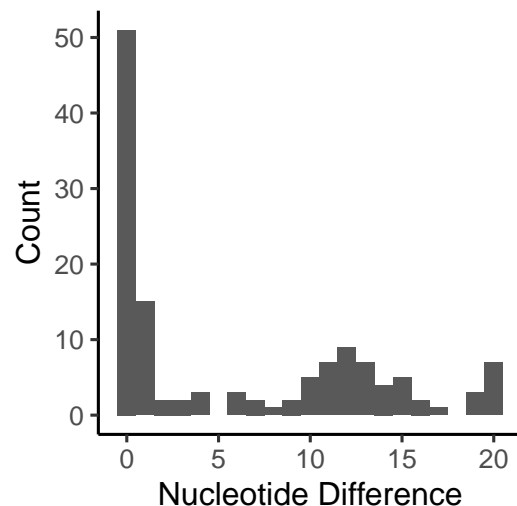
IGHV4-61*01

80 sequences assigned
23 (28.8%) exact matches, in which:
23 unique CDR3
6 unique J



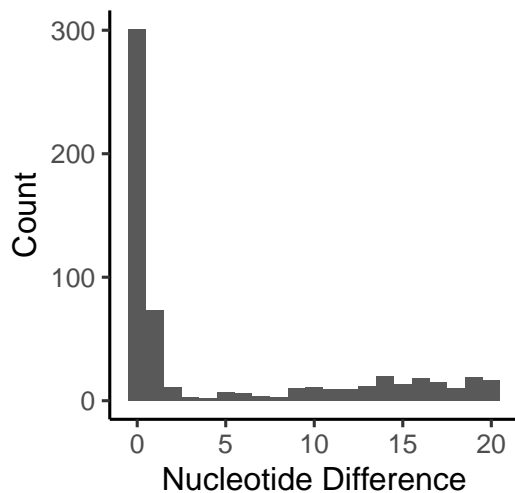
IGHV5-51*01

199 sequences assigned
51 (25.6%) exact matches, in which:
51 unique CDR3
6 unique J



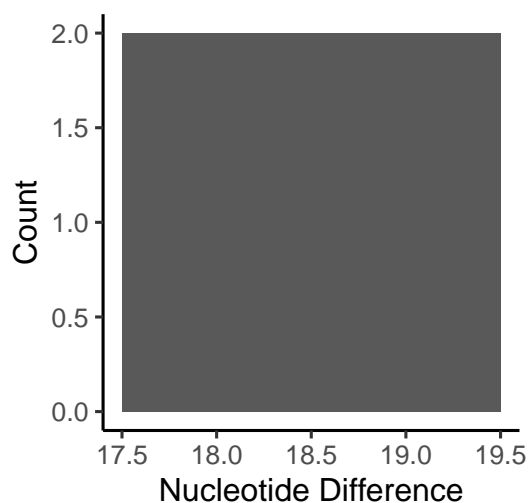
IGHV4-39*01

1080 sequences assigned
301 (27.9%) exact matches, in which:
301 unique CDR3
7 unique J



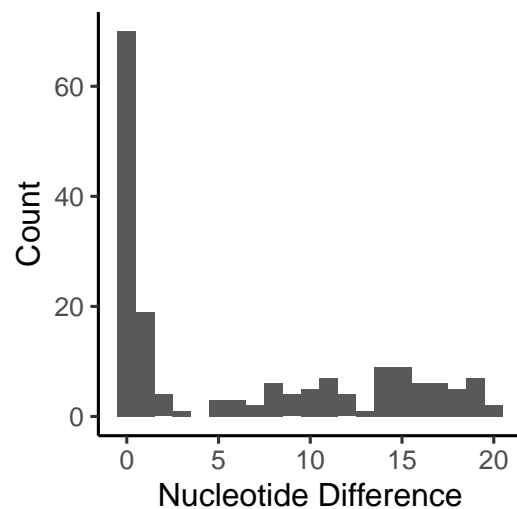
IGHV4-61*08

14 sequences assigned
No exact matches.



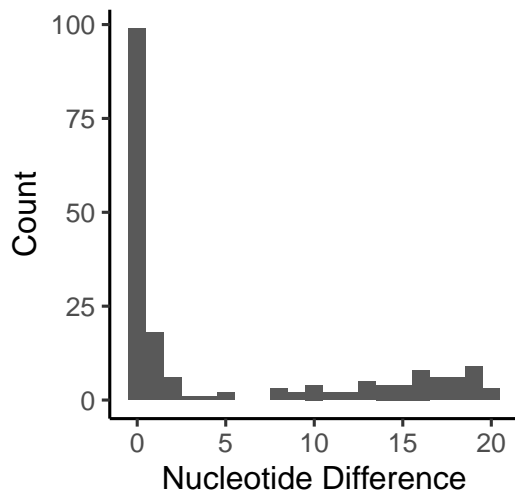
IGHV5-51*01_C45G

262 sequences assigned
70 (26.7%) exact matches, in which:
70 unique CDR3
6 unique J



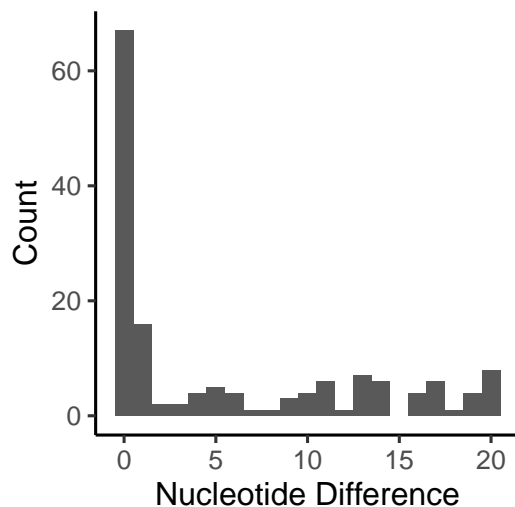
IGHV4-59*01

367 sequences assigned
99 (27%) exact matches, in which:
98 unique CDR3
6 unique J



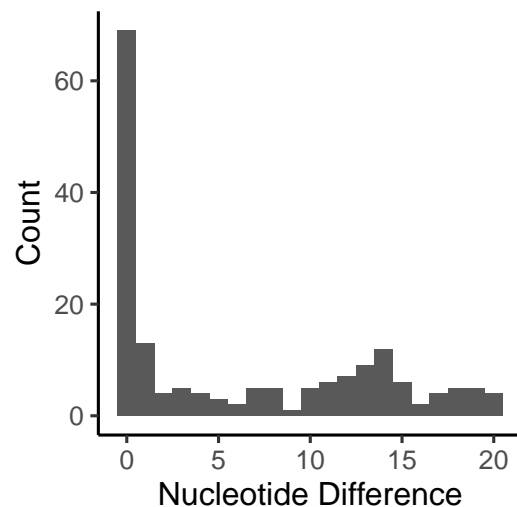
IGHV5-10-1*03

228 sequences assigned
67 (29.4%) exact matches, in which:
67 unique CDR3
6 unique J



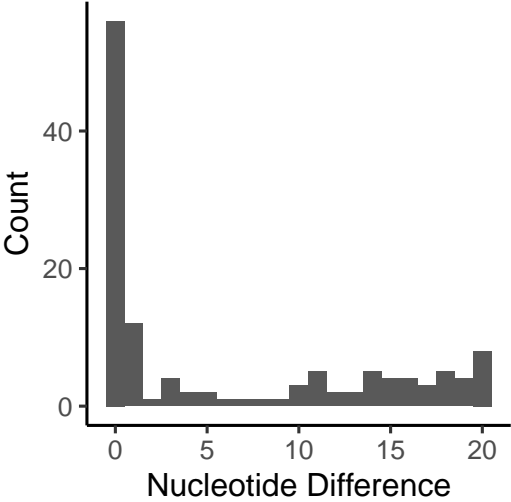
IGHV6-1*01

232 sequences assigned
69 (29.7%) exact matches, in which:
69 unique CDR3
6 unique J

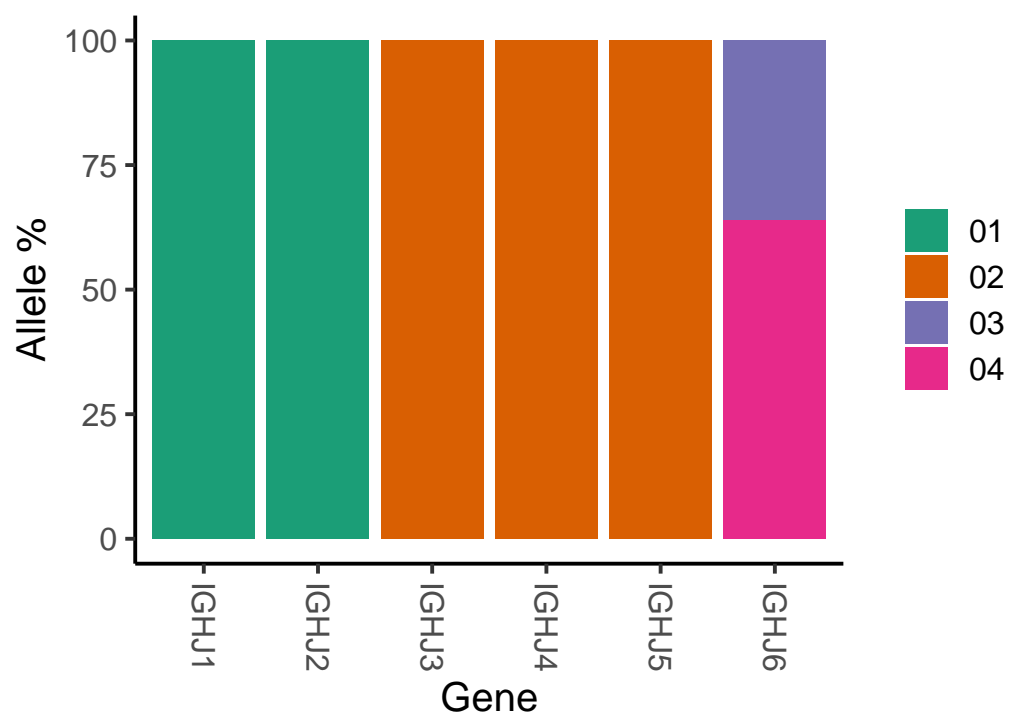


IGHV7-4-1*02

233 sequences assigned
56 (24%) exact matches, in which:
56 unique CDR3
5 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.