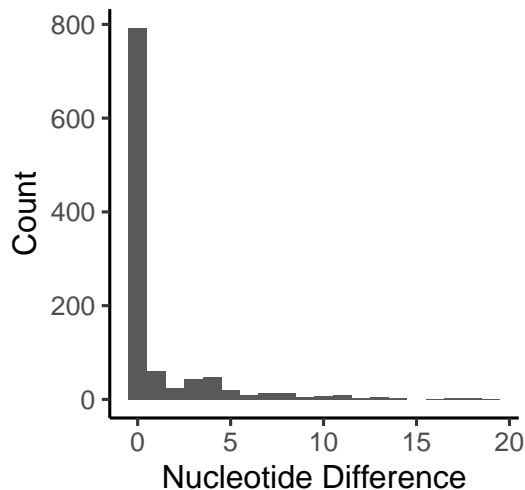


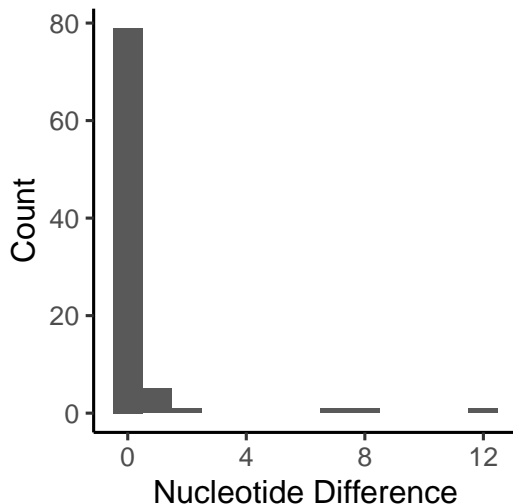
IGHV1–2*02

1080 sequences assigned
793 (73.4%) exact matches, in which:
792 unique CDR3
7 unique J



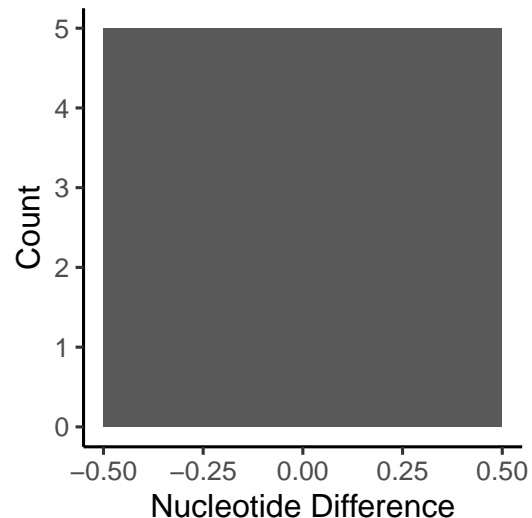
IGHV1–24*01

88 sequences assigned
79 (89.8%) exact matches, in which:
79 unique CDR3
6 unique J



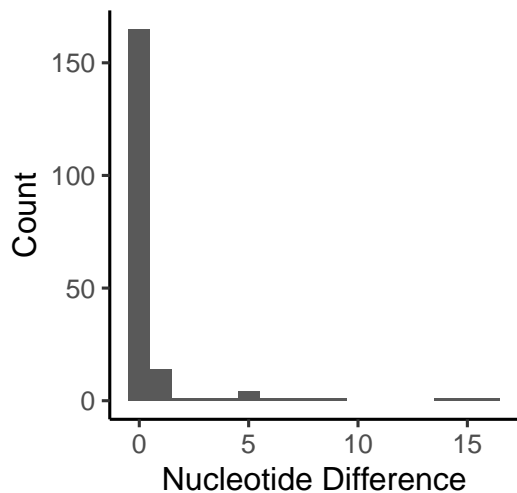
IGHV1–58*02

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
3 unique J



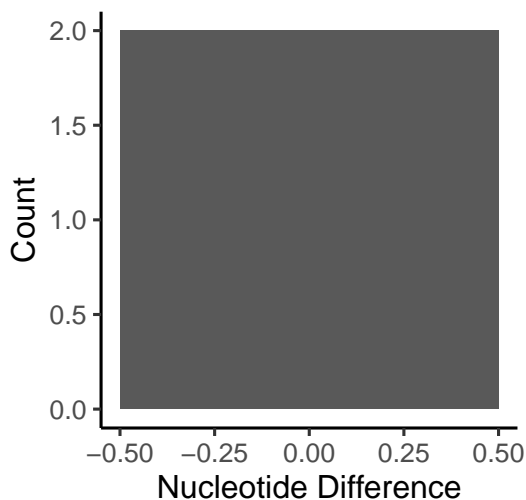
IGHV1–8*01

194 sequences assigned
165 (85.1%) exact matches, in which:
165 unique CDR3
4 unique J



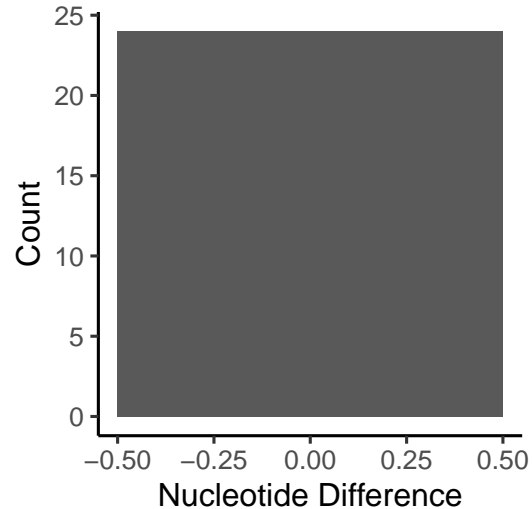
IGHV1–45*02

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



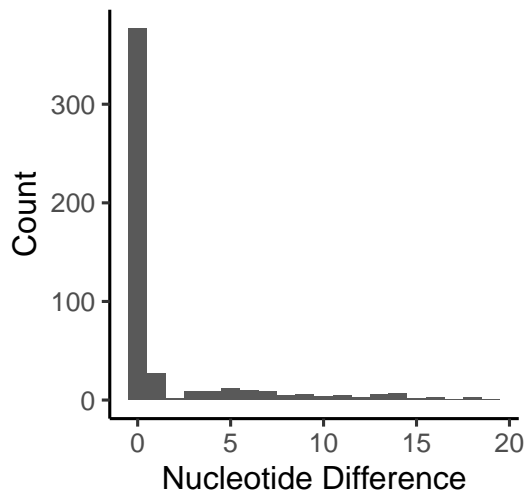
IGHV1–58*01_03

24 sequences assigned
24 (100%) exact matches, in which:
24 unique CDR3
4 unique J



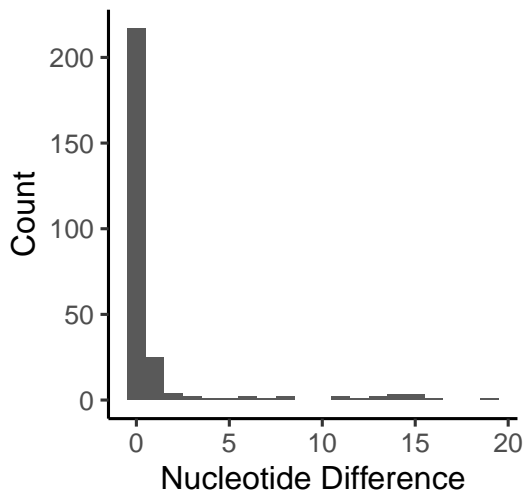
IGHV1–18*01

509 sequences assigned
377 (74.1%) exact matches, in which:
377 unique CDR3
7 unique J



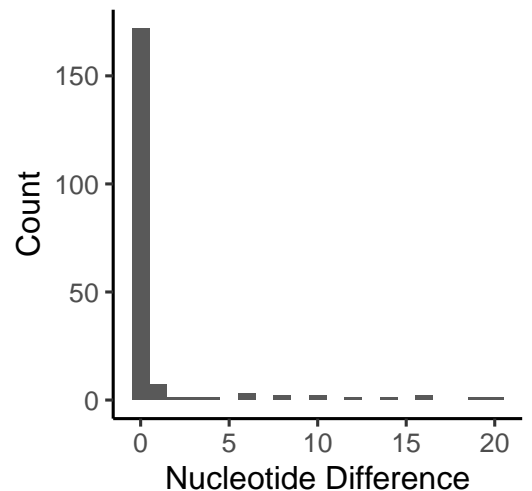
IGHV1–46*01

270 sequences assigned
217 (80.4%) exact matches, in which:
217 unique CDR3
7 unique J



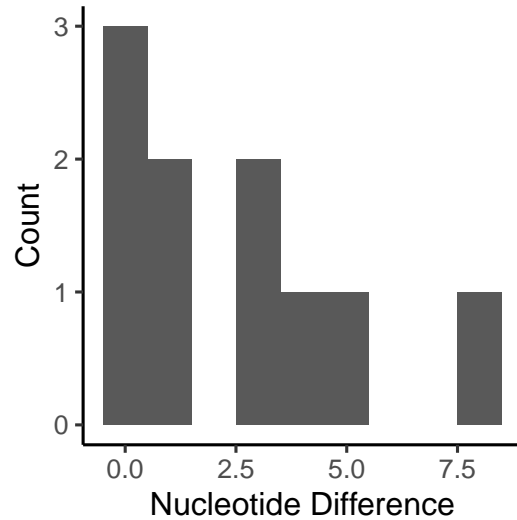
IGHV1–69*01_12_13

197 sequences assigned
172 (87.3%) exact matches, in which:
172 unique CDR3
6 unique J



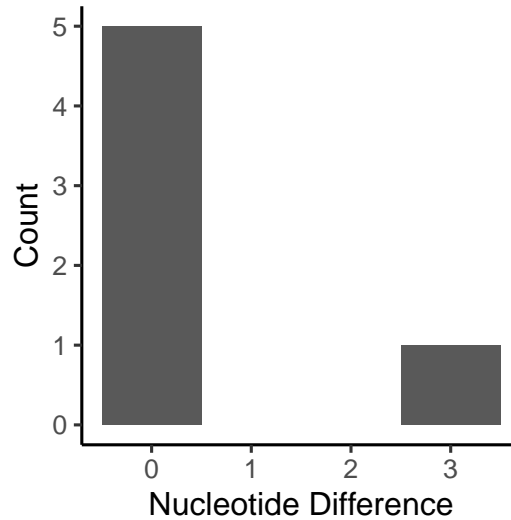
IGHV2-5*01

10 sequences assigned
3 (30%) exact matches, in which:
3 unique CDR3
2 unique J



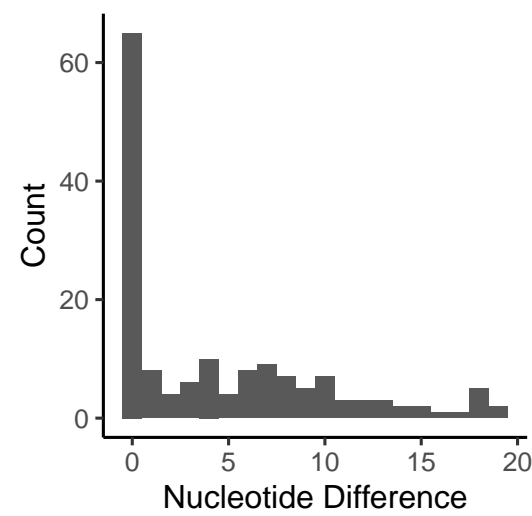
IGHV2-70*01

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
2 unique J



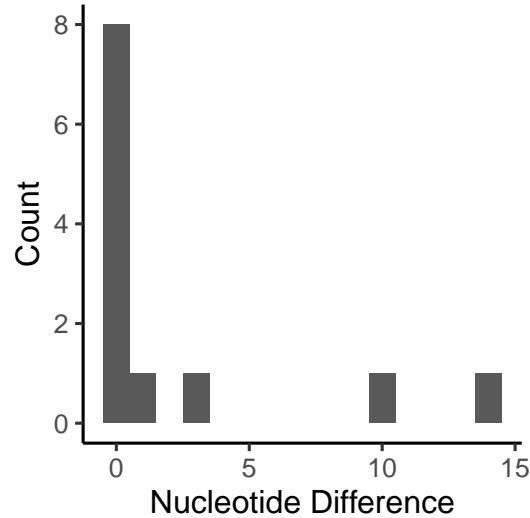
IGHV3-7*01

160 sequences assigned
65 (40.6%) exact matches, in which:
56 unique CDR3
4 unique J



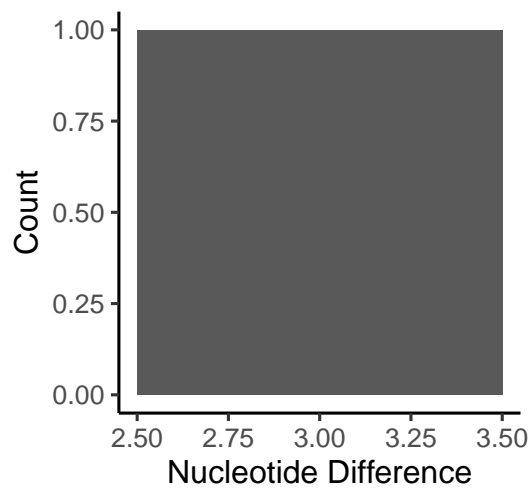
IGHV2-5*02

12 sequences assigned
8 (66.7%) exact matches, in which:
8 unique CDR3
2 unique J



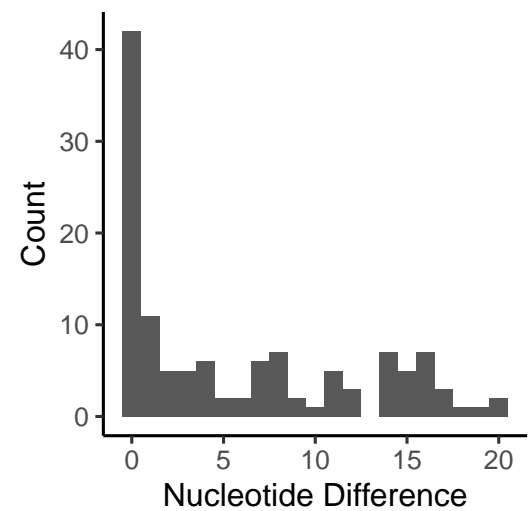
IGHV2-70*13

1 sequences assigned
No exact matches.



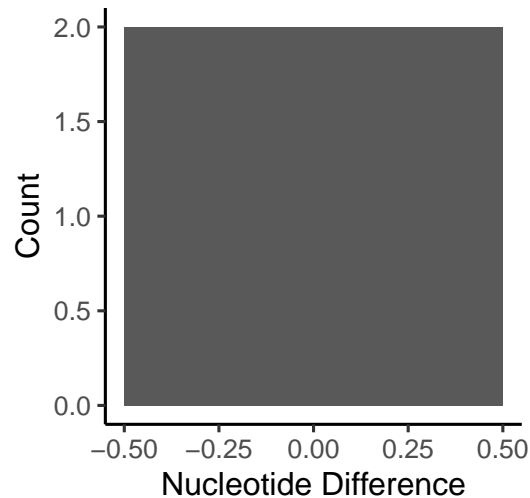
IGHV3-7*04

125 sequences assigned
42 (33.6%) exact matches, in which:
34 unique CDR3
6 unique J



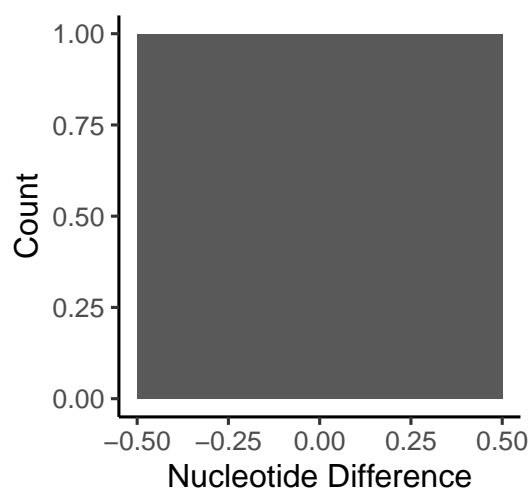
IGHV2-26*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



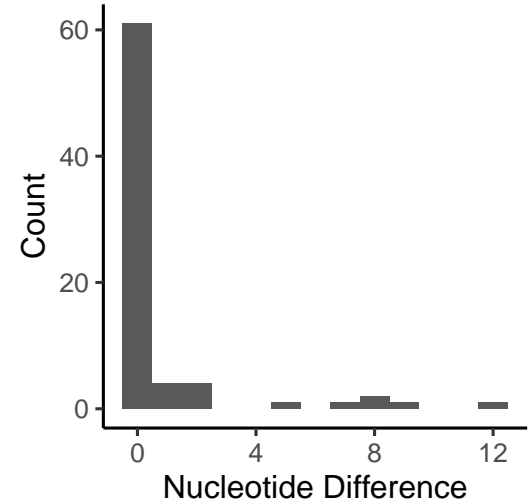
IGHV2-70*11_15

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



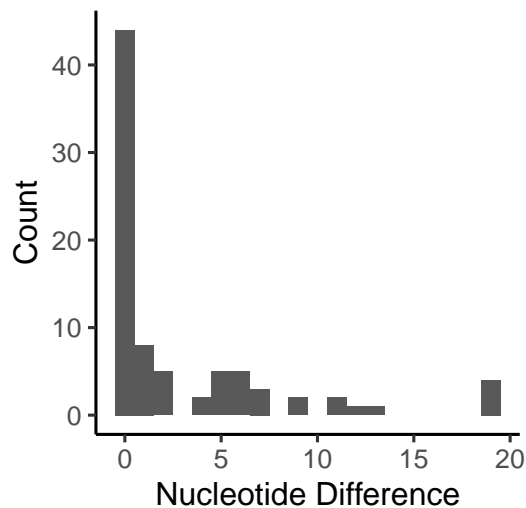
IGHV3-9*01

75 sequences assigned
61 (81.3%) exact matches, in which:
53 unique CDR3
4 unique J



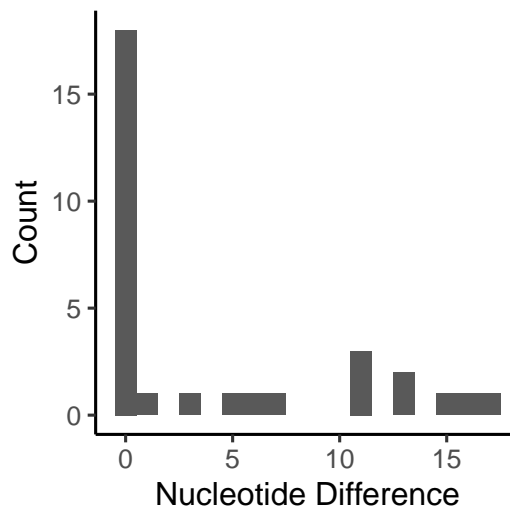
IGHV3-11*01

82 sequences assigned
44 (53.7%) exact matches, in which:
36 unique CDR3
6 unique J



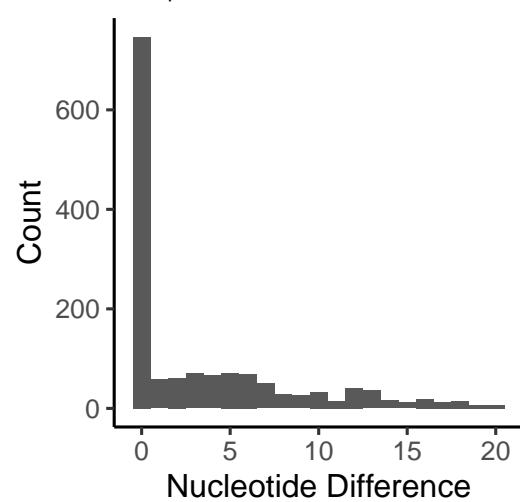
IGHV3-15*01_02

37 sequences assigned
18 (48.6%) exact matches, in which:
17 unique CDR3
3 unique J



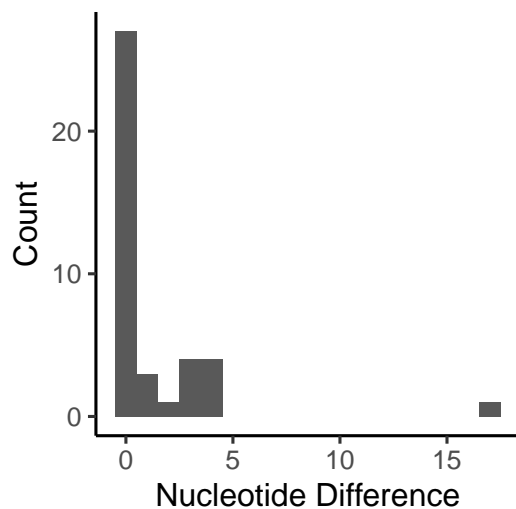
IGHV3-23*01_04

1479 sequences assigned
747 (50.5%) exact matches, in which:
624 unique CDR3
7 unique J



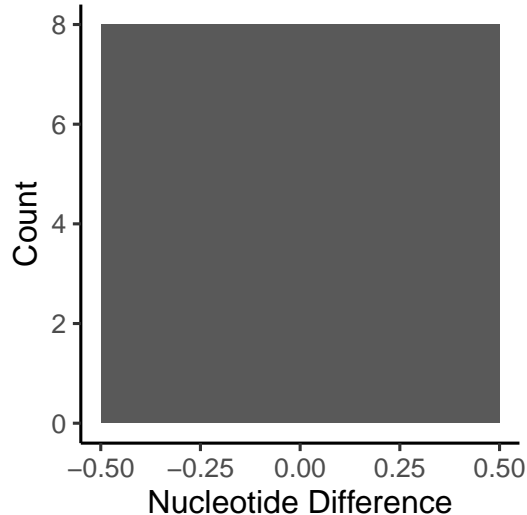
IGHV3-11*06

40 sequences assigned
27 (67.5%) exact matches, in which:
23 unique CDR3
4 unique J



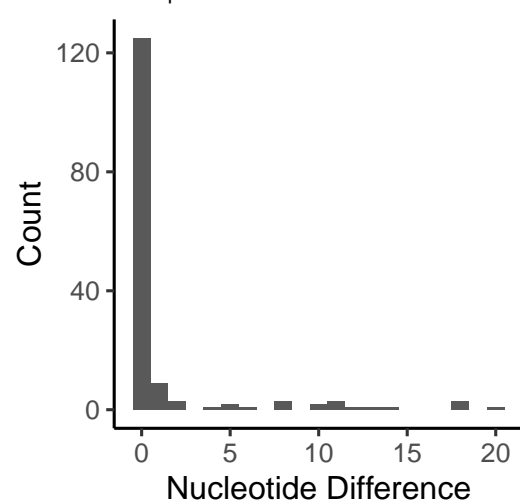
IGHV3-20*01_02

9 sequences assigned
8 (88.9%) exact matches, in which:
7 unique CDR3
3 unique J



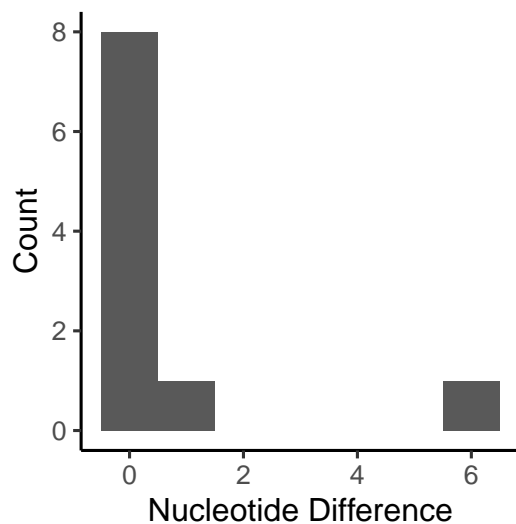
IGHV3-30-3*01

174 sequences assigned
125 (71.8%) exact matches, in which:
105 unique CDR3
6 unique J



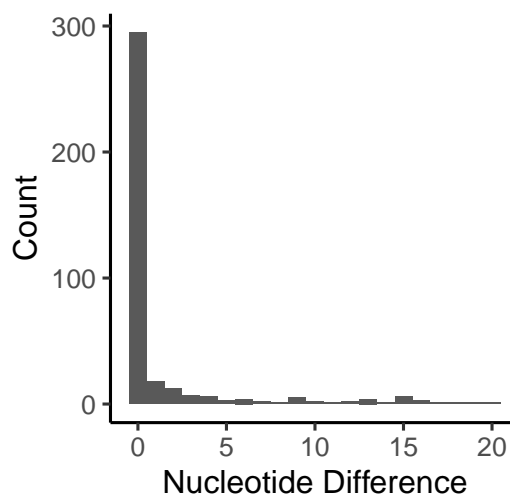
IGHV3-13*01

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
4 unique J



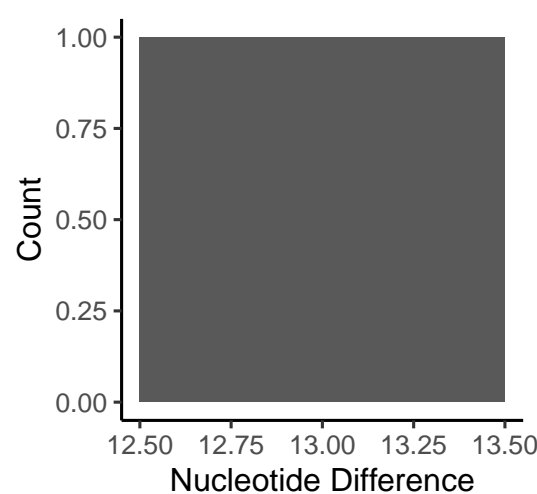
IGHV3-21*01_02

382 sequences assigned
295 (77.2%) exact matches, in which:
242 unique CDR3
6 unique J



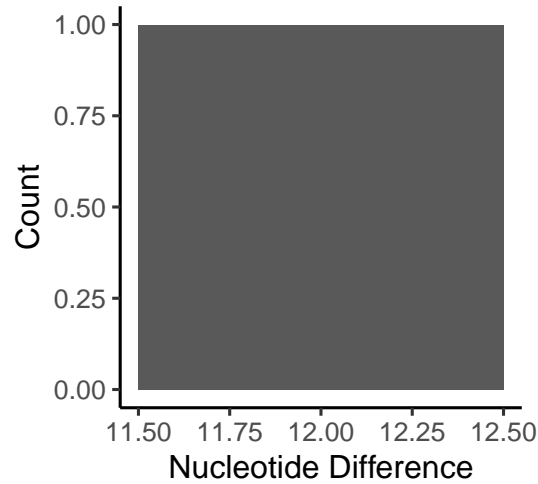
IGHV3-33*01

1 sequences assigned
No exact matches.



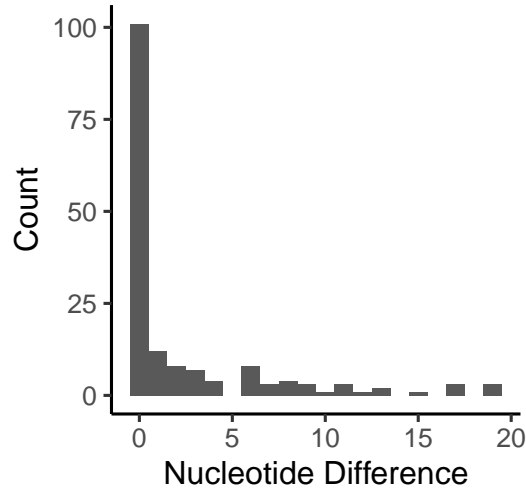
IGHV3-33*03

1 sequences assigned
No exact matches.



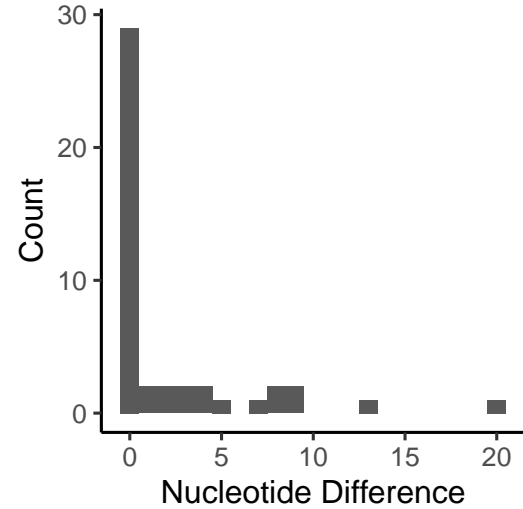
IGHV3-48*04

166 sequences assigned
101 (60.8%) exact matches, in which:
78 unique CDR3
4 unique J



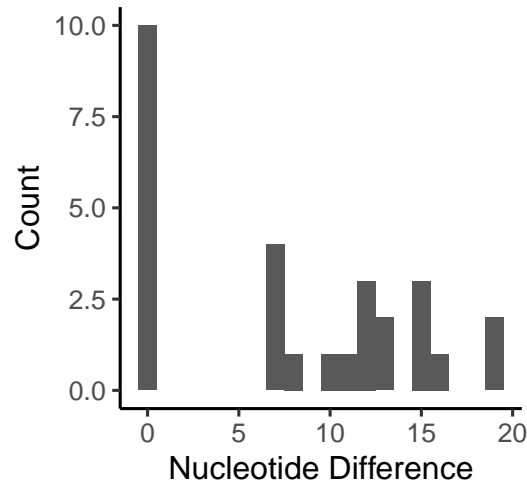
IGHV3-53*01_02

45 sequences assigned
29 (64.4%) exact matches, in which:
26 unique CDR3
4 unique J



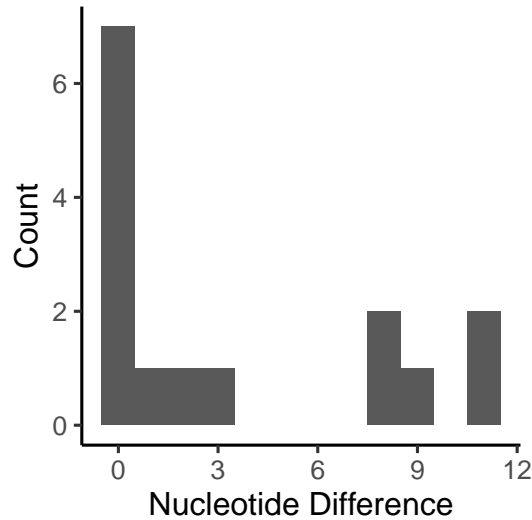
IGHV3-43*01

32 sequences assigned
10 (31.2%) exact matches, in which:
9 unique CDR3
3 unique J



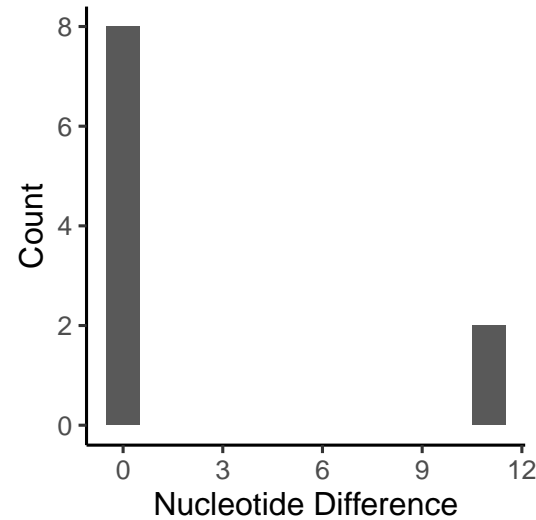
IGHV3-49*03_05

16 sequences assigned
7 (43.8%) exact matches, in which:
6 unique CDR3
3 unique J



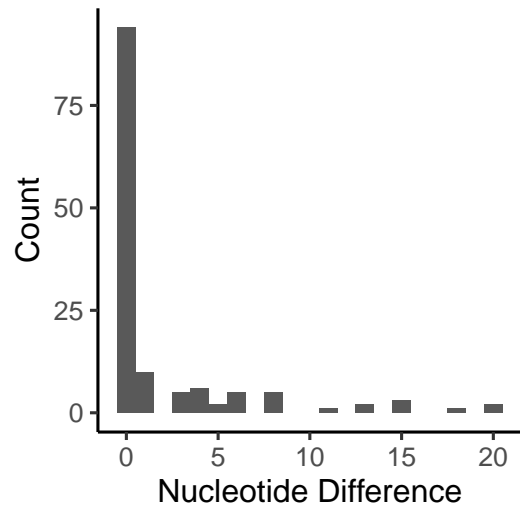
IGHV3-64*01

11 sequences assigned
8 (72.7%) exact matches, in which:
5 unique CDR3
2 unique J



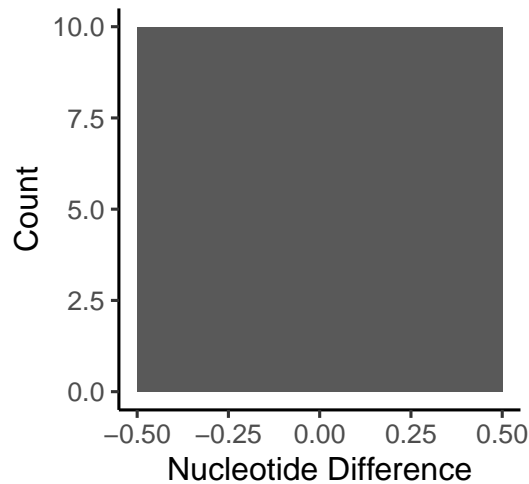
IGHV3-48*02

139 sequences assigned
94 (67.6%) exact matches, in which:
76 unique CDR3
4 unique J



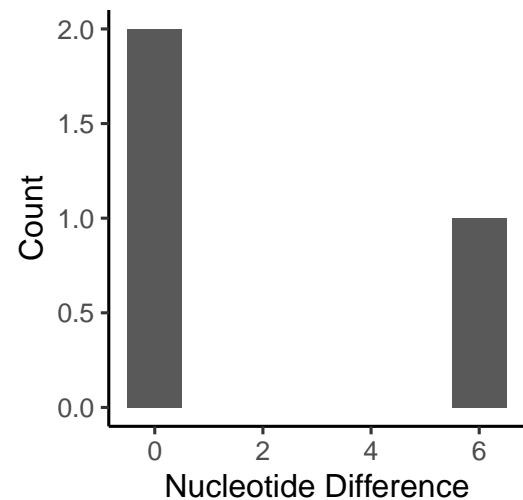
IGHV3-53*04

10 sequences assigned
10 (100%) exact matches, in which:
9 unique CDR3
3 unique J



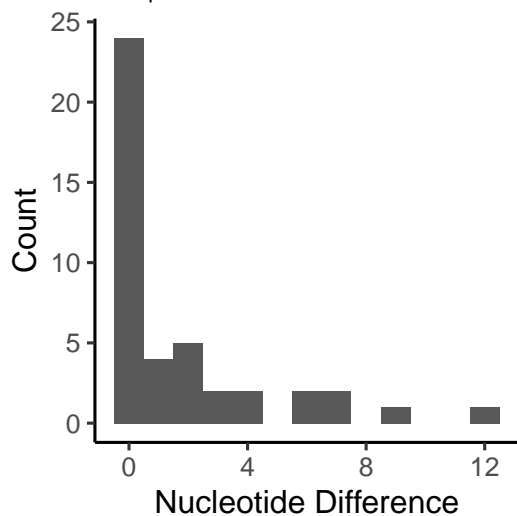
IGHV3-64*02_07

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



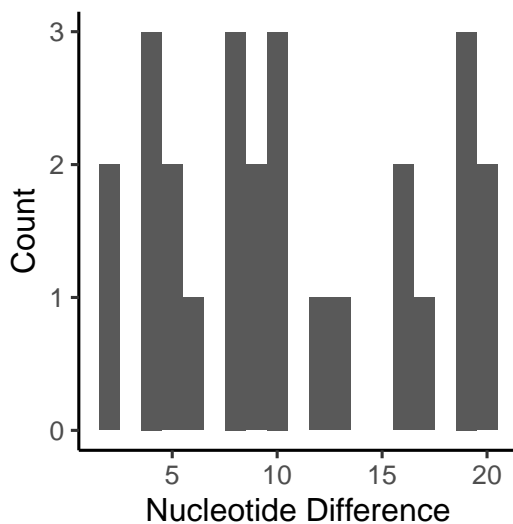
IGHV3-66*01

44 sequences assigned
24 (54.5%) exact matches, in which:
21 unique CDR3
4 unique J



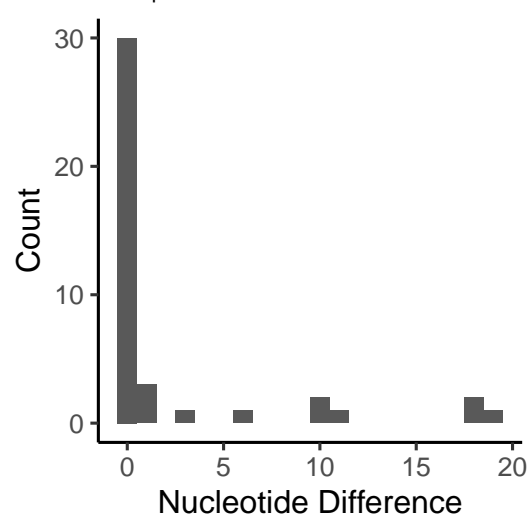
IGHV3-74*03

32 sequences assigned
No exact matches.



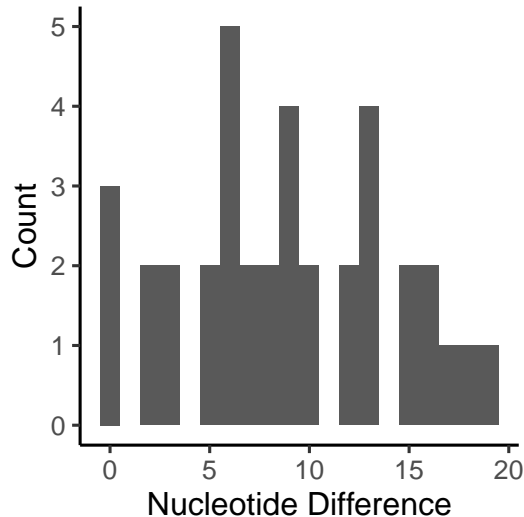
IGHV3-64D*06

45 sequences assigned
30 (66.7%) exact matches, in which:
26 unique CDR3
5 unique J



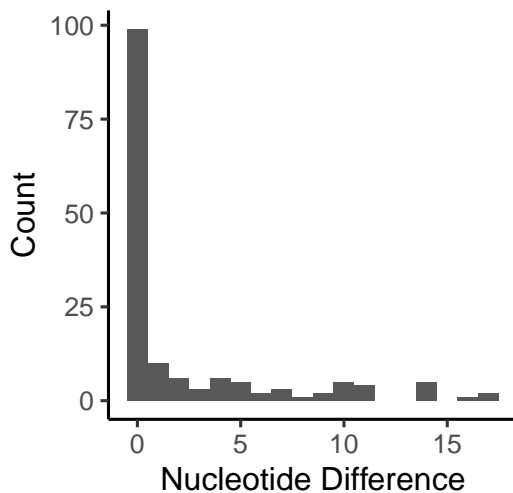
IGHV3-72*01

39 sequences assigned
3 (7.7%) exact matches, in which:
2 unique CDR3
2 unique J



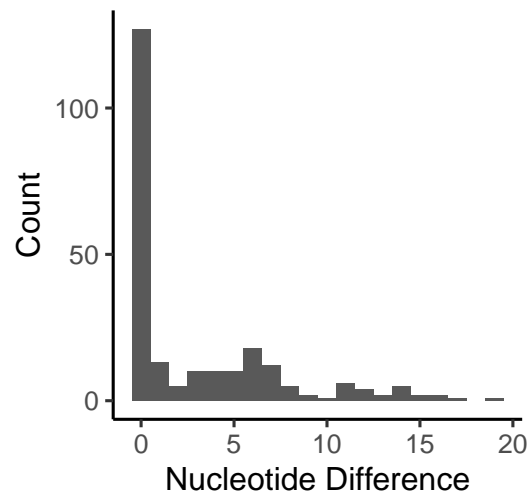
IGHV3-74*01_02

154 sequences assigned
99 (64.3%) exact matches, in which:
81 unique CDR3
6 unique J



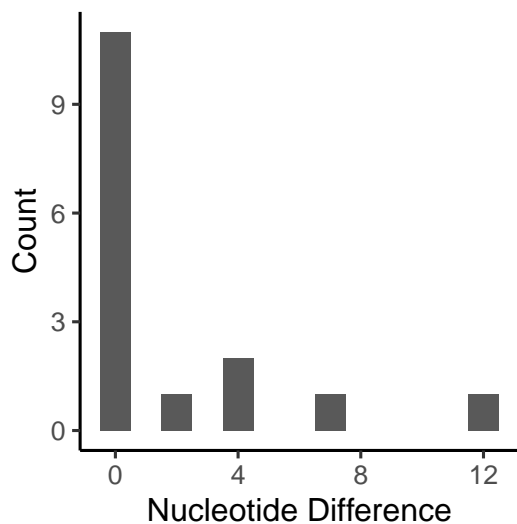
IGHV4-4*07

239 sequences assigned
127 (53.1%) exact matches, in which:
127 unique CDR3
6 unique J



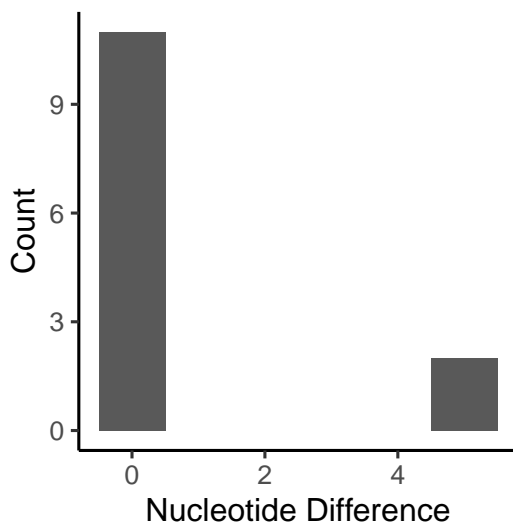
IGHV3-73*01_02

17 sequences assigned
11 (64.7%) exact matches, in which:
10 unique CDR3
4 unique J



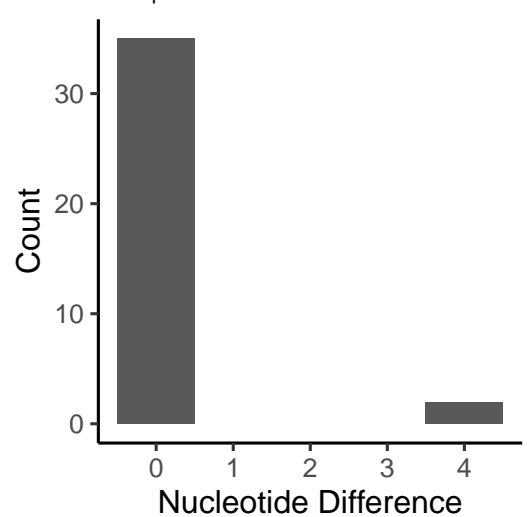
IGHV3-43D*03

14 sequences assigned
11 (78.6%) exact matches, in which:
11 unique CDR3
3 unique J



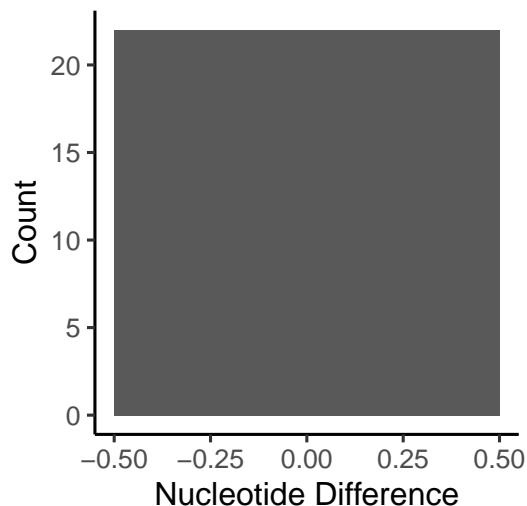
IGHV4-30-4*01

38 sequences assigned
35 (92.1%) exact matches, in which:
35 unique CDR3
5 unique J



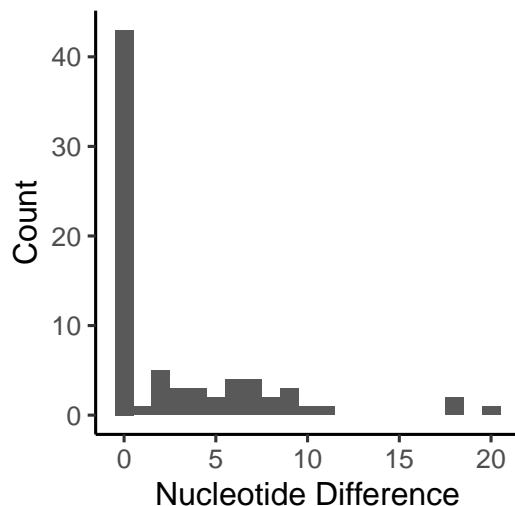
IGHV4-30-2*01

22 sequences assigned
22 (100%) exact matches, in which:
22 unique CDR3
5 unique J



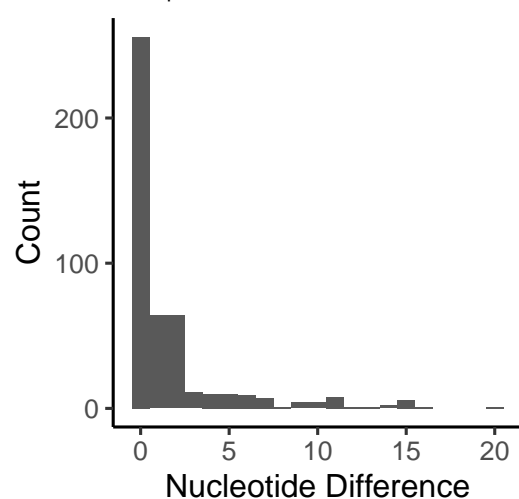
IGHV4-39*07

77 sequences assigned
43 (55.8%) exact matches, in which:
43 unique CDR3
5 unique J



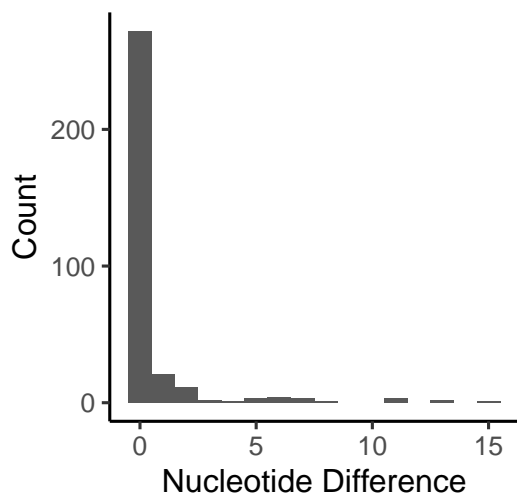
IGHV4-59*02_G88A

464 sequences assigned
256 (55.2%) exact matches, in which:
253 unique CDR3
7 unique J



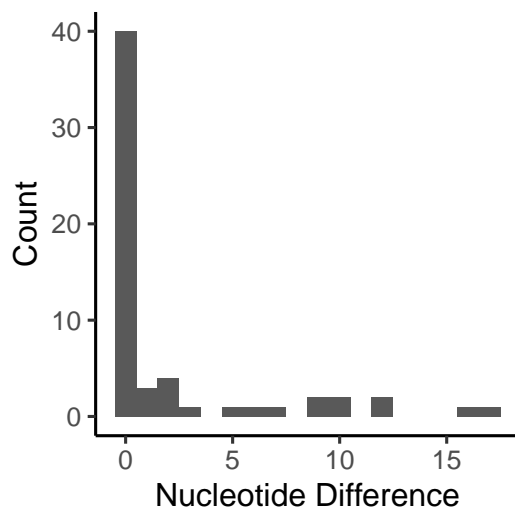
IGHV4-34*01_02

329 sequences assigned
272 (82.7%) exact matches, in which:
272 unique CDR3
7 unique J



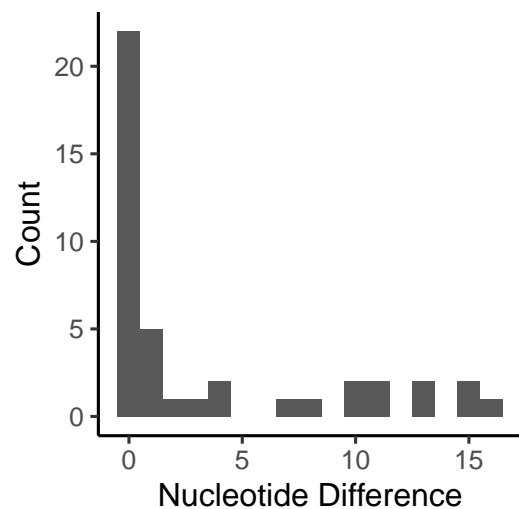
IGHV4-39*02_C258G

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



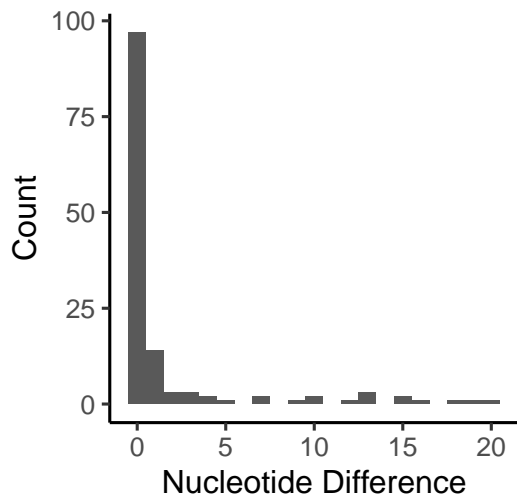
IGHV4-61*01

42 sequences assigned
22 (52.4%) exact matches, in which:
22 unique CDR3
4 unique J



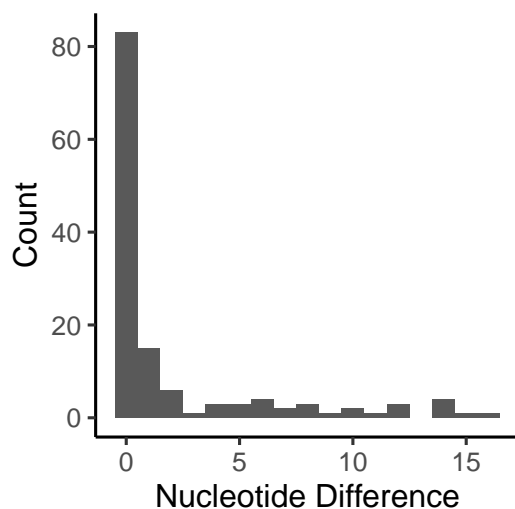
IGHV4-38-2*02

138 sequences assigned
97 (70.3%) exact matches, in which:
97 unique CDR3
5 unique J



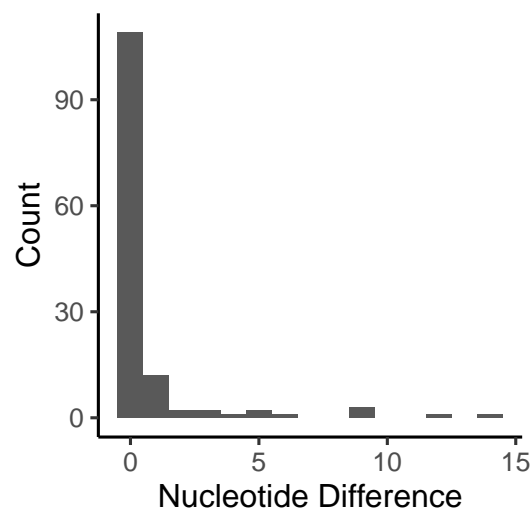
IGHV4-59*08

135 sequences assigned
83 (61.5%) exact matches, in which:
82 unique CDR3
6 unique J



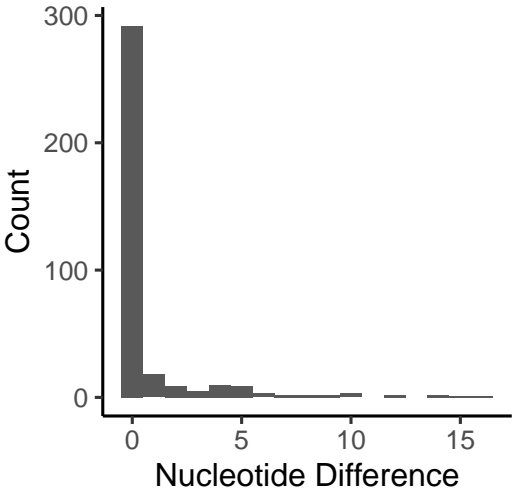
IGHV5-10-1*01_03

136 sequences assigned
109 (80.1%) exact matches, in which:
108 unique CDR3
6 unique J



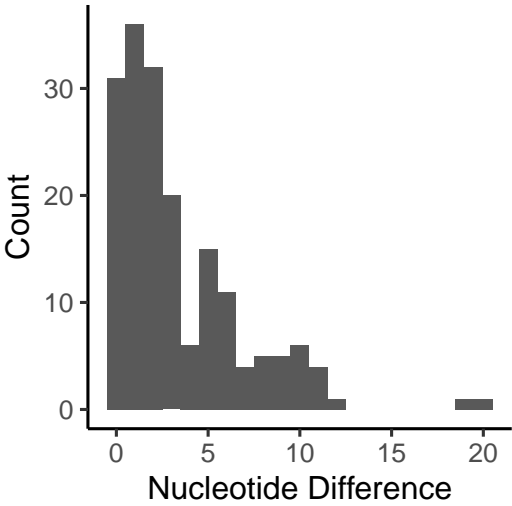
IGHV5–51*07_A128G

363 sequences assigned
292 (80.4%) exact matches, in which:
288 unique CDR3
7 unique J

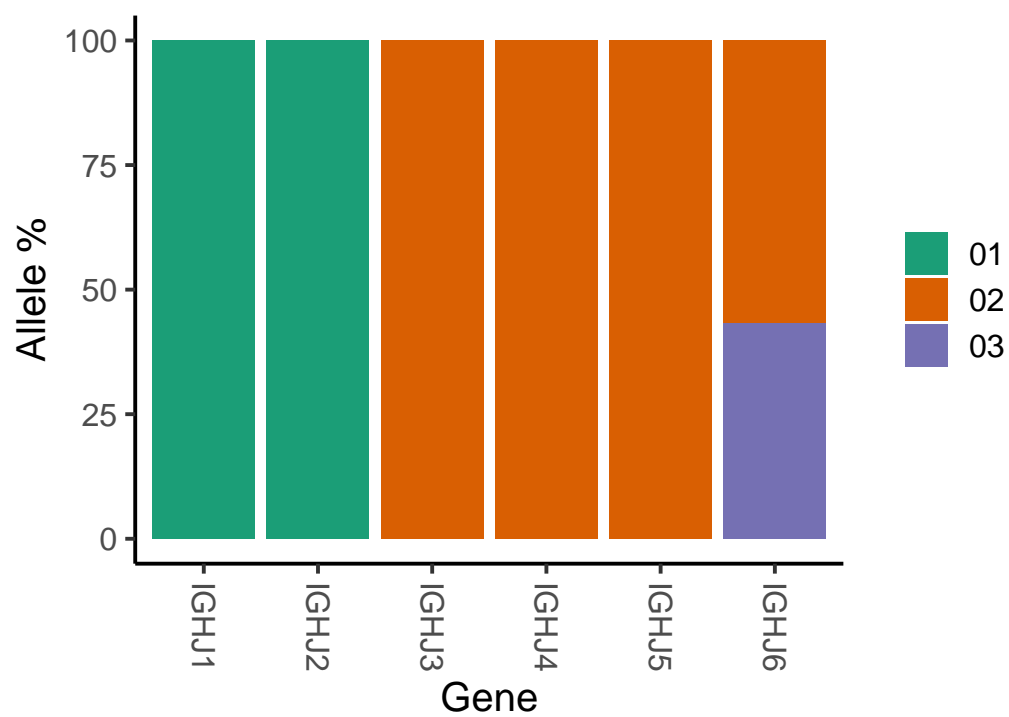


IGHV6–1*01_02

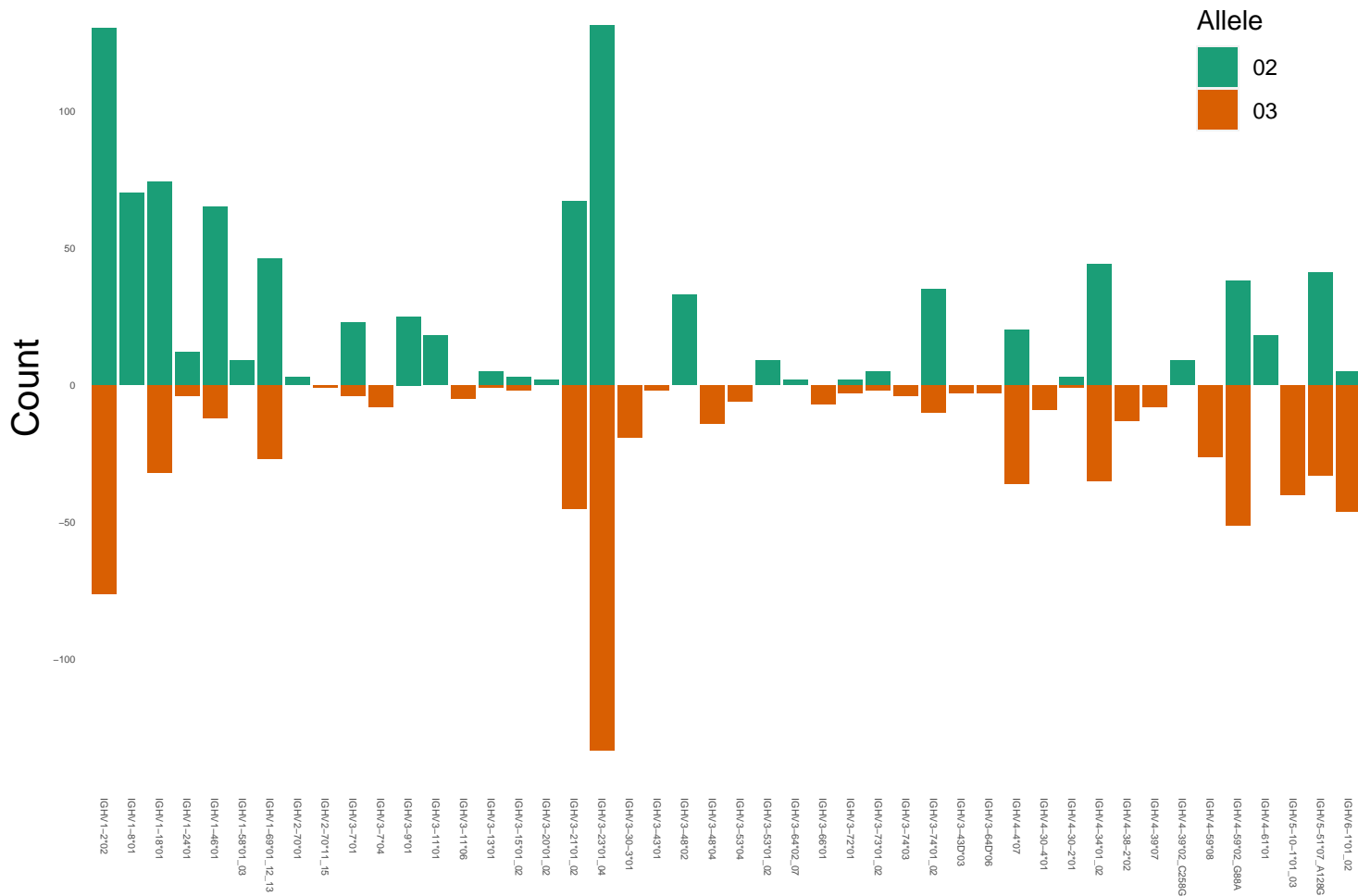
178 sequences assigned
31 (17.4%) exact matches, in which:
31 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.