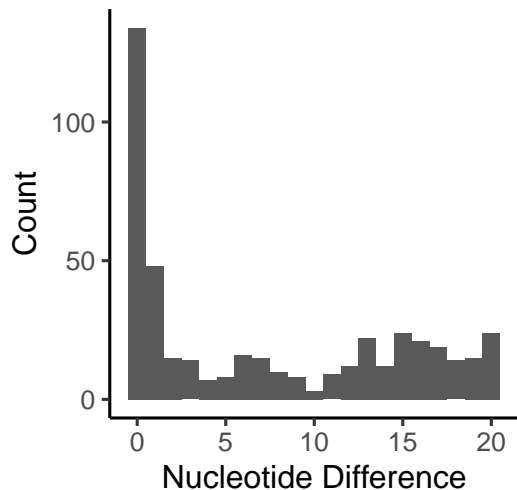


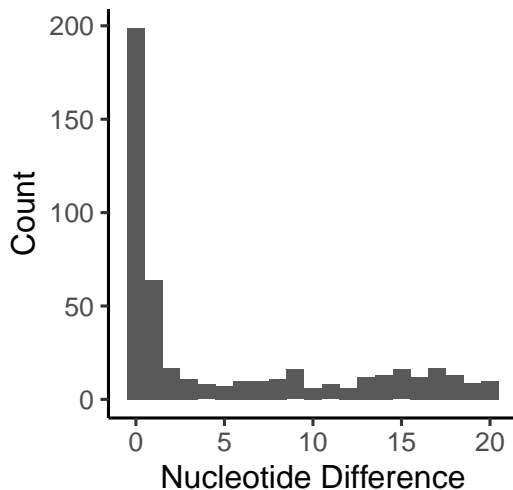
IGHV1-2*02

749 sequences assigned
134 (17.9%) exact matches, in which:
131 unique CDR3
6 unique J



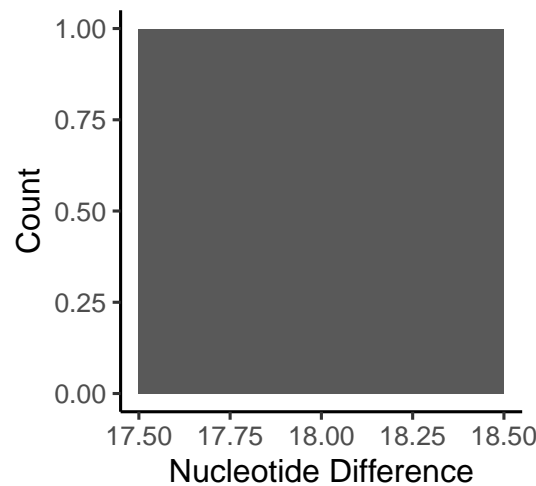
IGHV1-8*01

604 sequences assigned
199 (32.9%) exact matches, in which:
197 unique CDR3
7 unique J



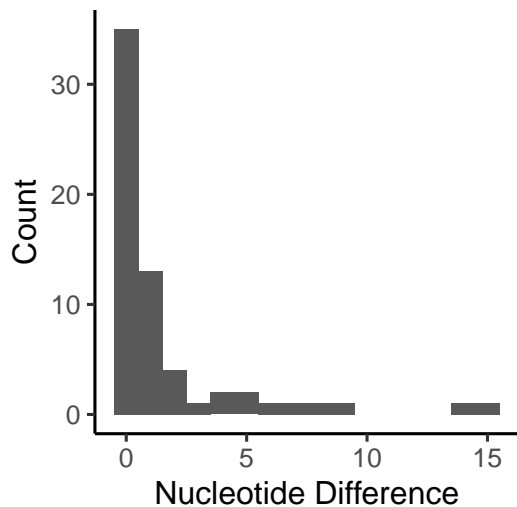
IGHV1-45*01

4 sequences assigned
No exact matches.



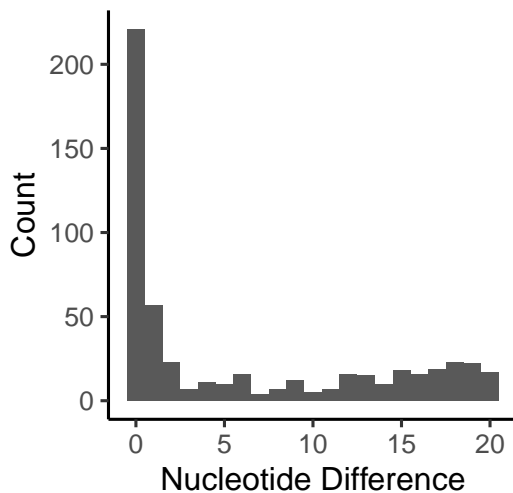
IGHV1-2*04

74 sequences assigned
35 (47.3%) exact matches, in which:
35 unique CDR3
4 unique J



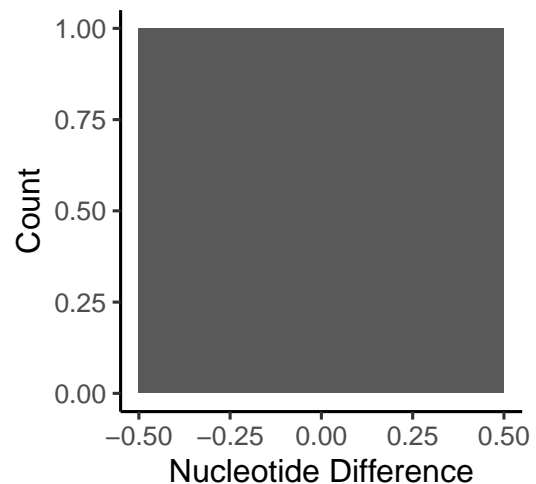
IGHV1-18*01

912 sequences assigned
221 (24.2%) exact matches, in which:
221 unique CDR3
7 unique J



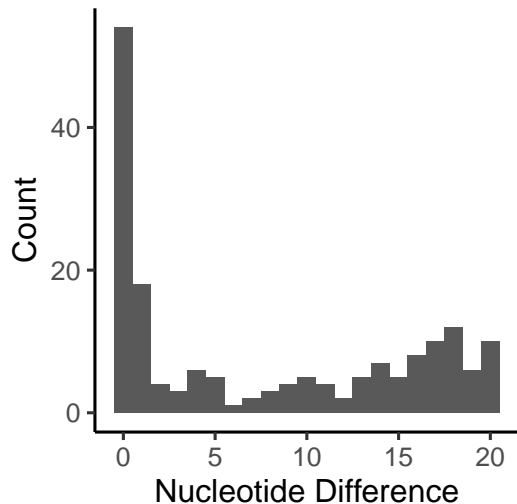
IGHV1-45*02

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



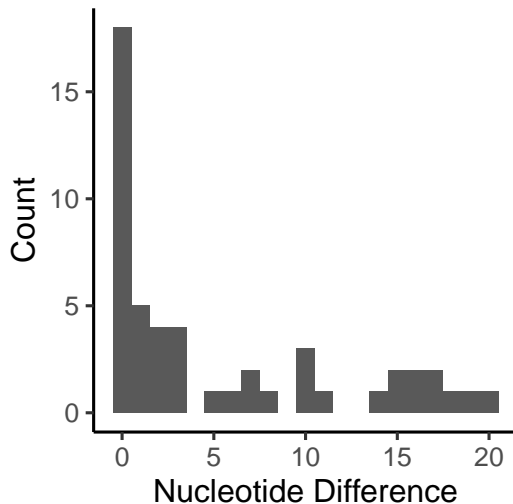
IGHV1-3*01

346 sequences assigned
54 (15.6%) exact matches, in which:
54 unique CDR3
6 unique J



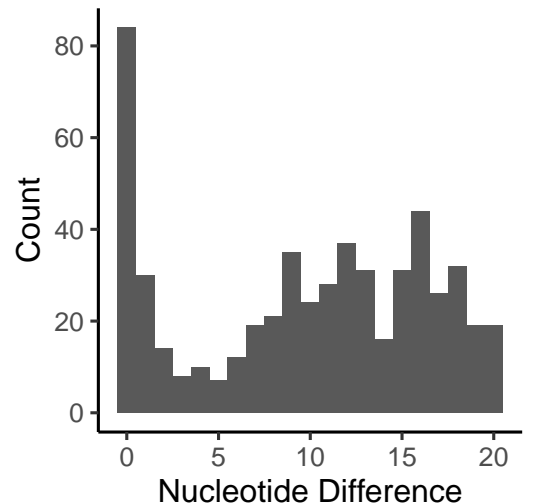
IGHV1-24*01

78 sequences assigned
18 (23.1%) exact matches, in which:
18 unique CDR3
6 unique J



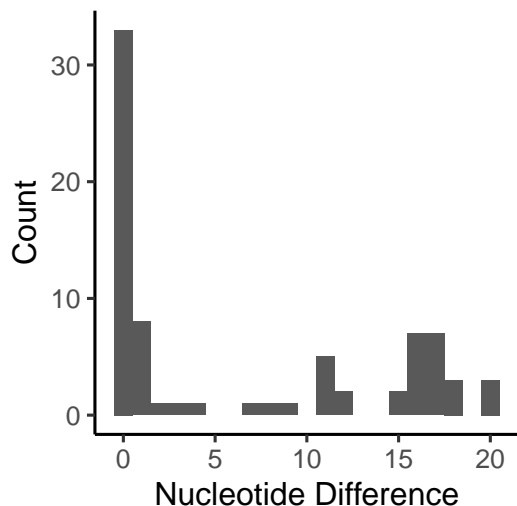
IGHV1-46*01

916 sequences assigned
84 (9.2%) exact matches, in which:
82 unique CDR3
6 unique J



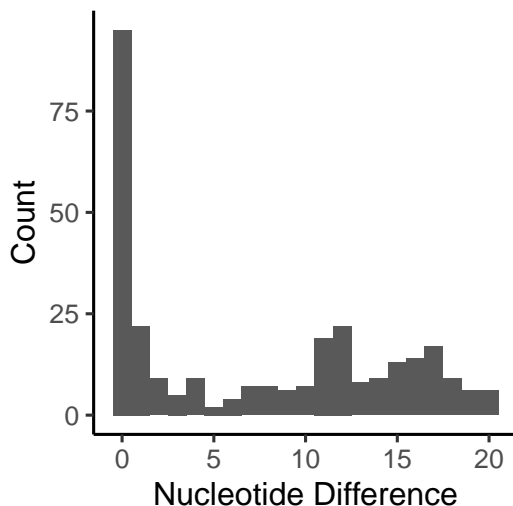
IGHV1-58*01

129 sequences assigned
33 (25.6%) exact matches, in which:
33 unique CDR3
7 unique J



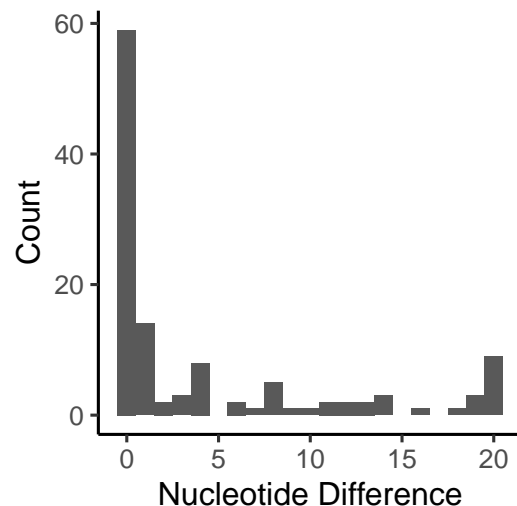
IGHV2-5*01

367 sequences assigned
95 (25.9%) exact matches, in which:
94 unique CDR3
6 unique J



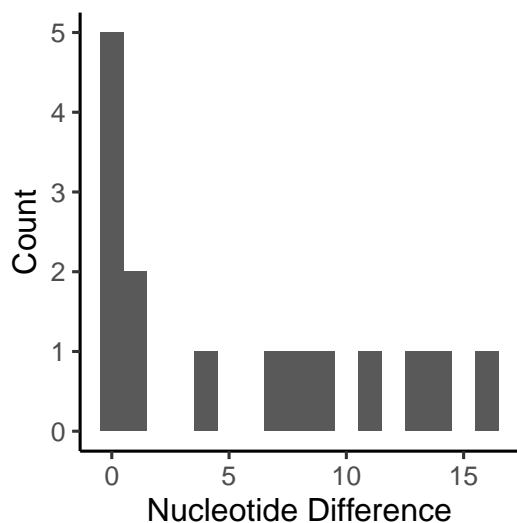
IGHV2-70*01

144 sequences assigned
59 (41%) exact matches, in which:
59 unique CDR3
6 unique J



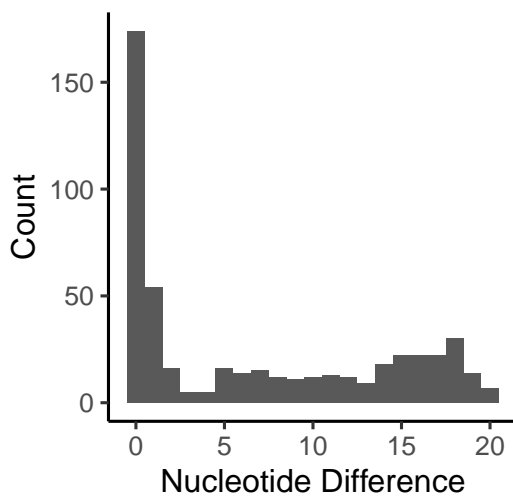
IGHV1-69-2*01

26 sequences assigned
5 (19.2%) exact matches, in which:
5 unique CDR3
2 unique J



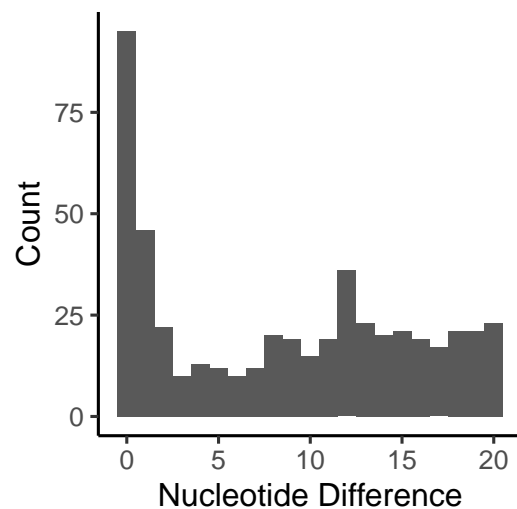
IGHV2-5*02

658 sequences assigned
174 (26.4%) exact matches, in which:
170 unique CDR3
6 unique J



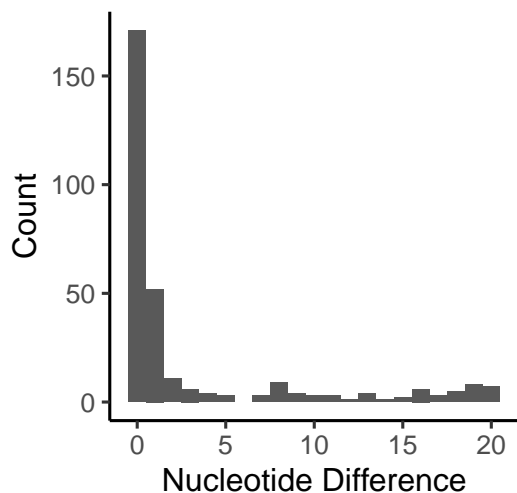
IGHV3-7*01

805 sequences assigned
95 (11.8%) exact matches, in which:
95 unique CDR3
7 unique J



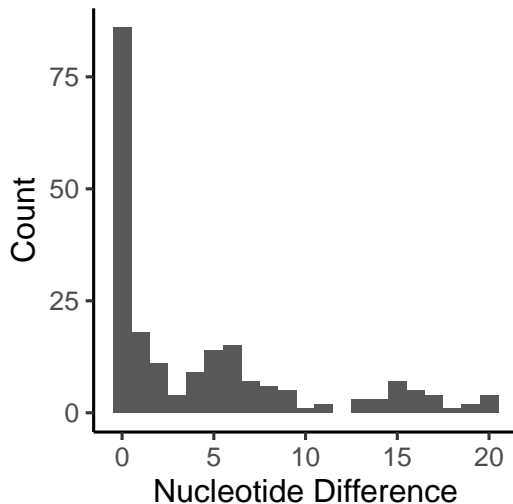
IGHV1-69*06

469 sequences assigned
171 (36.5%) exact matches, in which:
168 unique CDR3
6 unique J



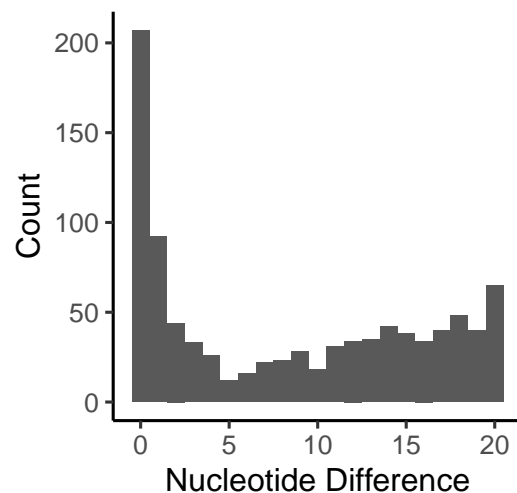
IGHV2-26*01

217 sequences assigned
86 (39.6%) exact matches, in which:
86 unique CDR3
7 unique J



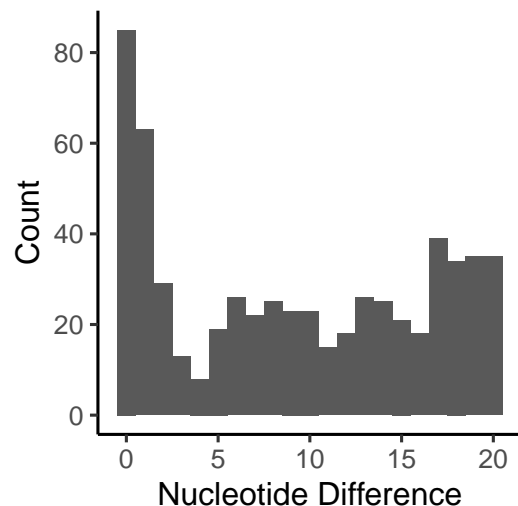
IGHV3-9*01

1611 sequences assigned
207 (12.8%) exact matches, in which:
205 unique CDR3
7 unique J



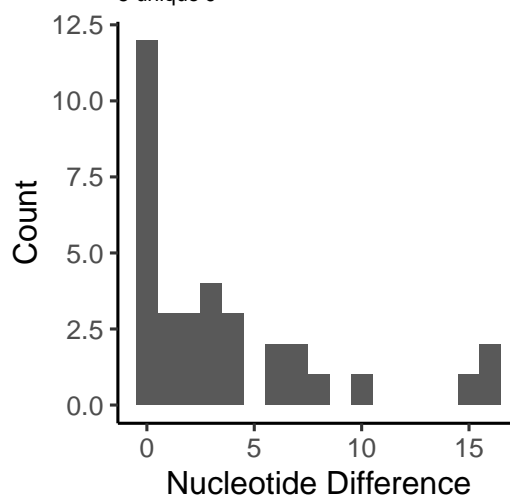
IGHV3-11*01

1030 sequences assigned
85 (8.3%) exact matches, in which:
85 unique CDR3
7 unique J



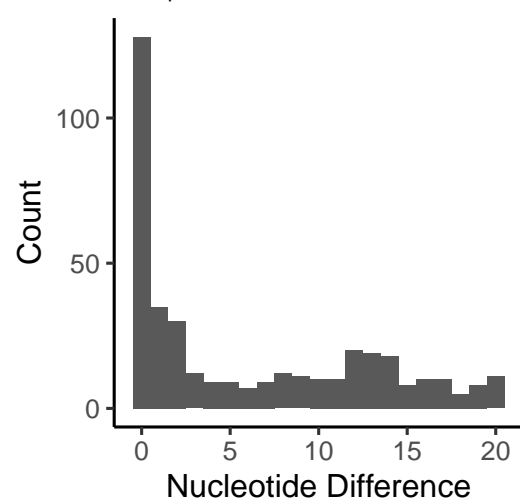
IGHV3-20*01

58 sequences assigned
12 (20.7%) exact matches, in which:
12 unique CDR3
5 unique J



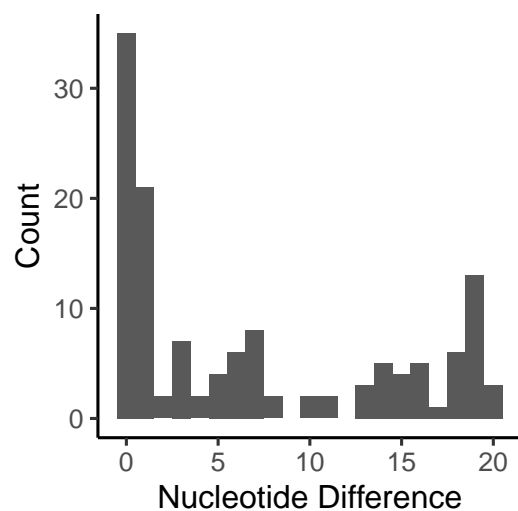
IGHV3-30-3*01

582 sequences assigned
128 (22%) exact matches, in which:
128 unique CDR3
7 unique J



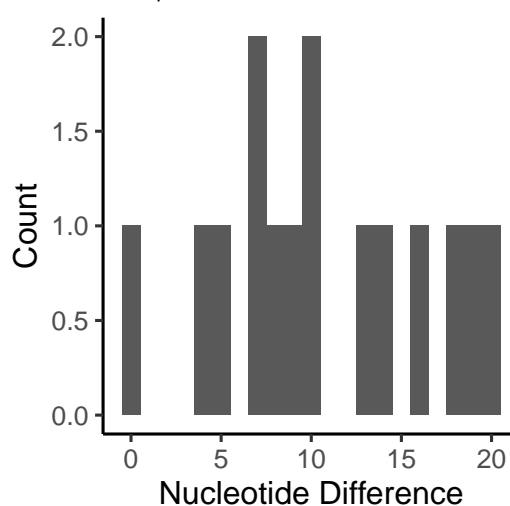
IGHV3-13*01

297 sequences assigned
35 (11.8%) exact matches, in which:
35 unique CDR3
6 unique J



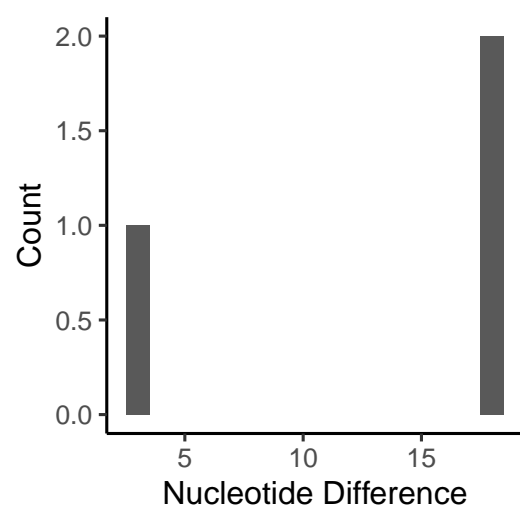
IGHV3-20*04

28 sequences assigned
1 (3.6%) exact matches, in which:
1 unique CDR3
1 unique J



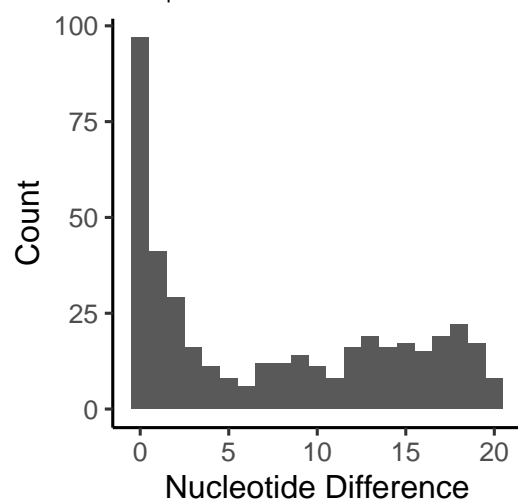
IGHV3-30-3*02

9 sequences assigned
No exact matches.



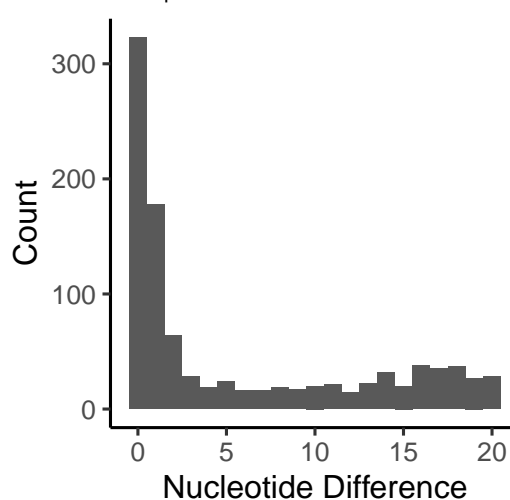
IGHV3-15*01

717 sequences assigned
97 (13.5%) exact matches, in which:
97 unique CDR3
6 unique J



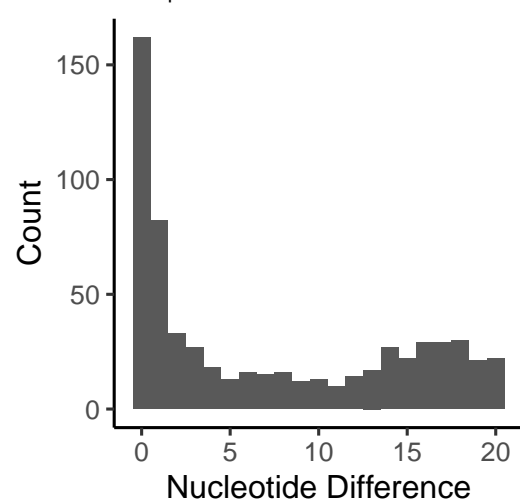
IGHV3-21*01

1428 sequences assigned
323 (22.6%) exact matches, in which:
320 unique CDR3
7 unique J



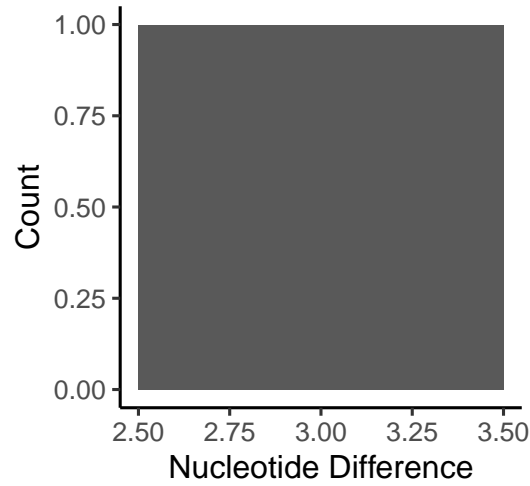
IGHV3-33*01

1074 sequences assigned
162 (15.1%) exact matches, in which:
161 unique CDR3
7 unique J



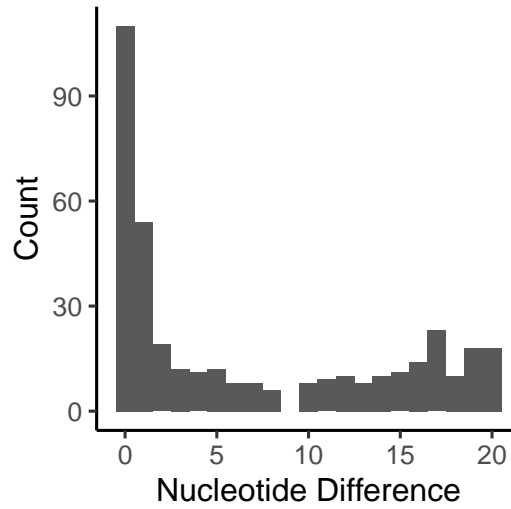
IGHV3-38*01

1 sequences assigned
No exact matches.



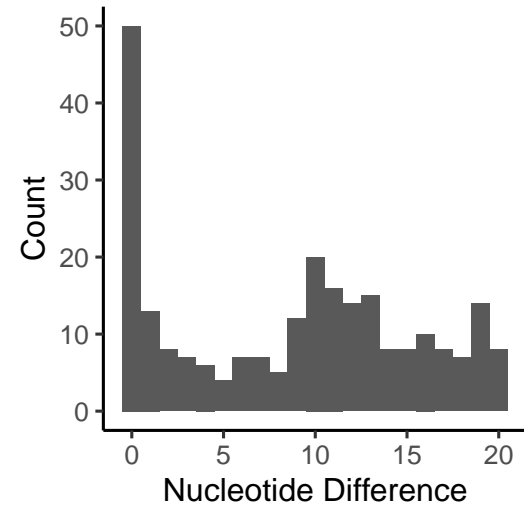
IGHV3-48*03

555 sequences assigned
110 (19.8%) exact matches, in which:
110 unique CDR3
6 unique J



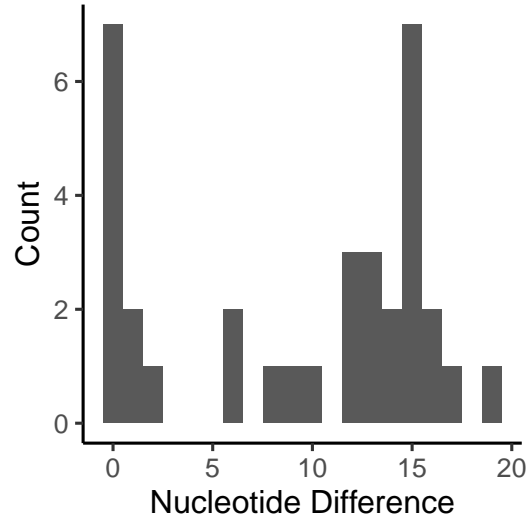
IGHV3-53*01

357 sequences assigned
50 (14%) exact matches, in which:
50 unique CDR3
6 unique J



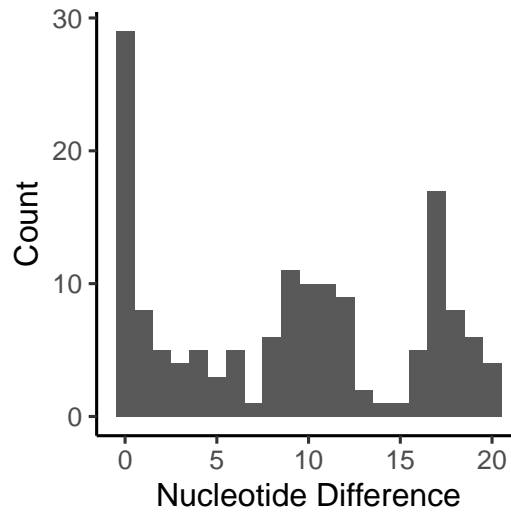
IGHV3-43*01

60 sequences assigned
7 (11.7%) exact matches, in which:
7 unique CDR3
2 unique J



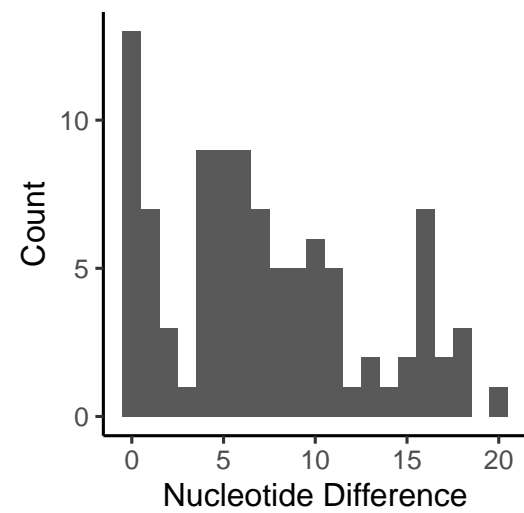
IGHV3-49*04

208 sequences assigned
29 (13.9%) exact matches, in which:
29 unique CDR3
3 unique J



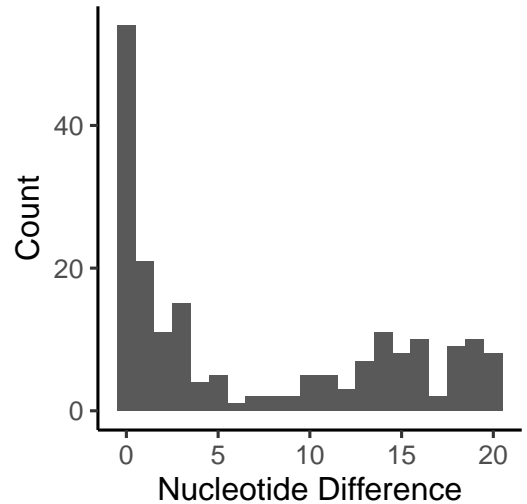
IGHV3-53*02

136 sequences assigned
13 (9.6%) exact matches, in which:
13 unique CDR3
4 unique J



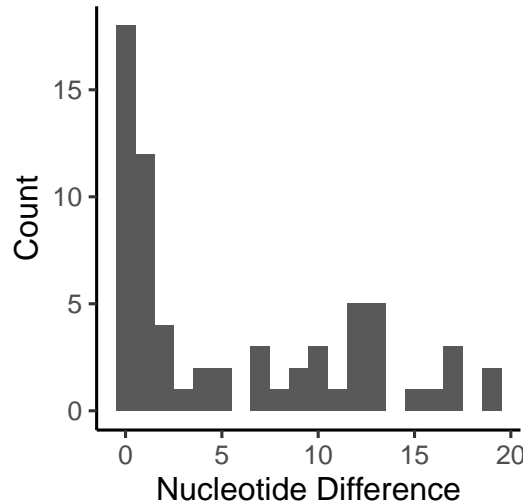
IGHV3-48*02

290 sequences assigned
54 (18.6%) exact matches, in which:
54 unique CDR3
6 unique J



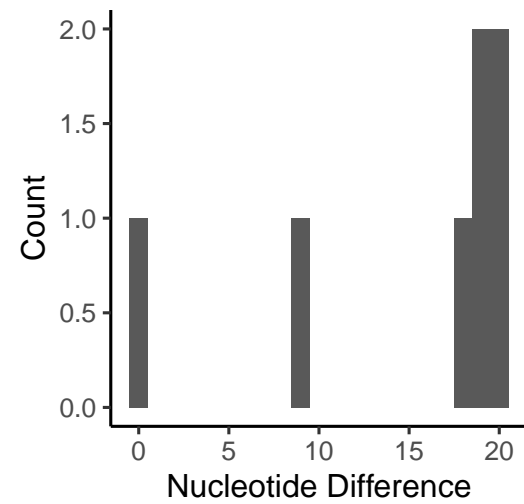
IGHV3-49*05

94 sequences assigned
18 (19.1%) exact matches, in which:
17 unique CDR3
4 unique J



IGHV3-64*02

13 sequences assigned
1 (7.7%) exact matches, in which:
1 unique CDR3
1 unique J



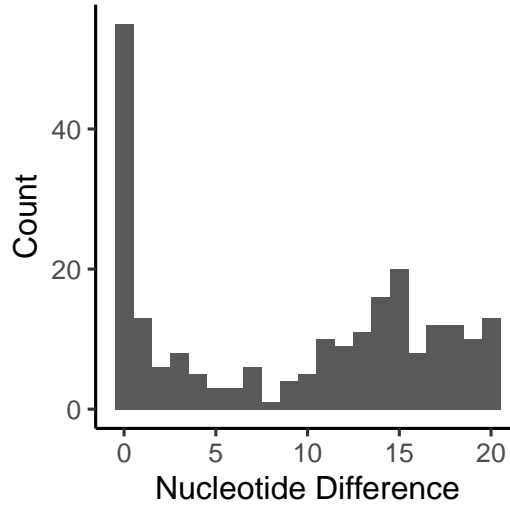
IGHV3-66*01

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



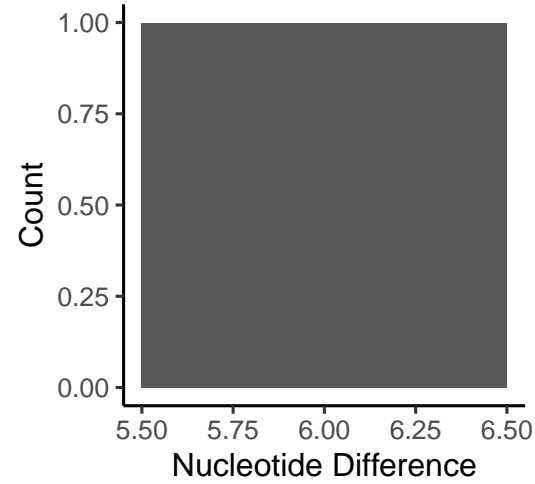
IGHV3-74*01

505 sequences assigned
55 (10.9%) exact matches, in which:
55 unique CDR3
7 unique J



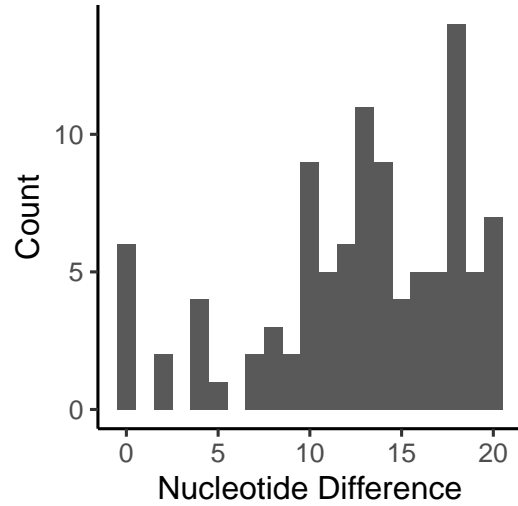
IGHV3-64D*08

1 sequences assigned
No exact matches.



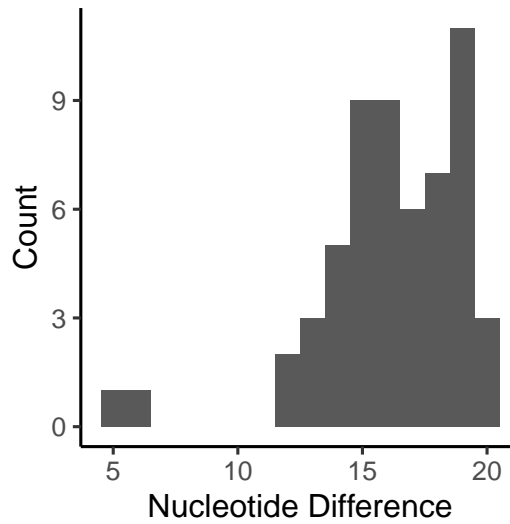
IGHV3-72*01

175 sequences assigned
6 (3.4%) exact matches, in which:
6 unique CDR3
2 unique J



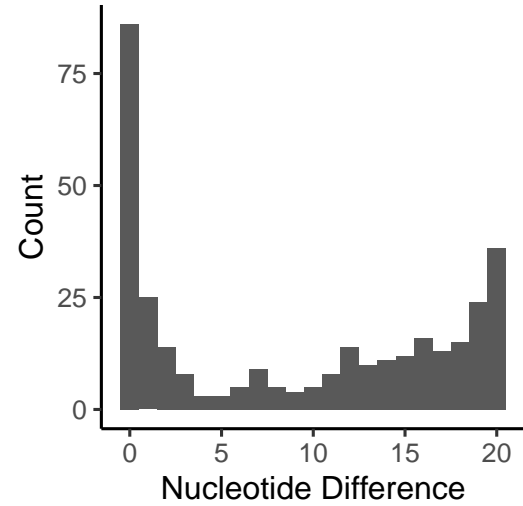
IGHV3-74*03

100 sequences assigned
No exact matches.



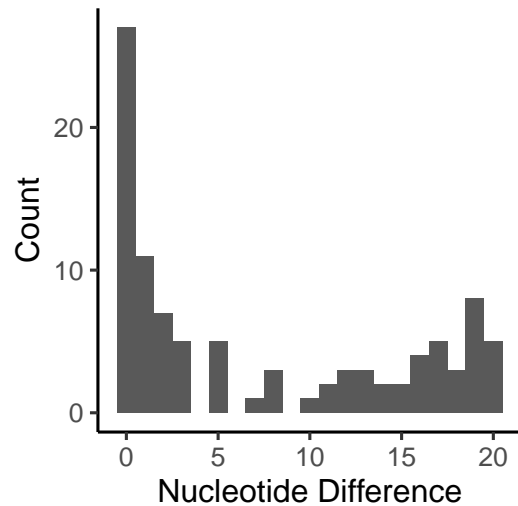
IGHV4-4*02

620 sequences assigned
86 (13.9%) exact matches, in which:
85 unique CDR3
6 unique J



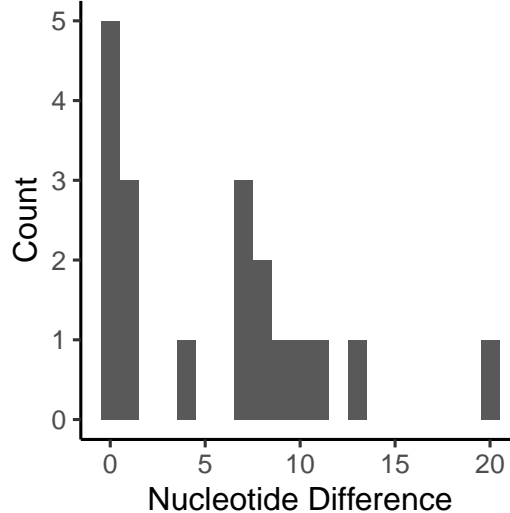
IGHV3-73*02

170 sequences assigned
27 (15.9%) exact matches, in which:
27 unique CDR3
5 unique J



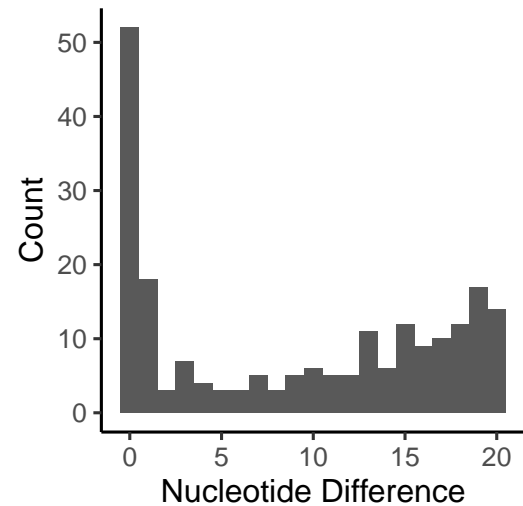
IGHV3-43D*04

24 sequences assigned
5 (20.8%) exact matches, in which:
5 unique CDR3
3 unique J



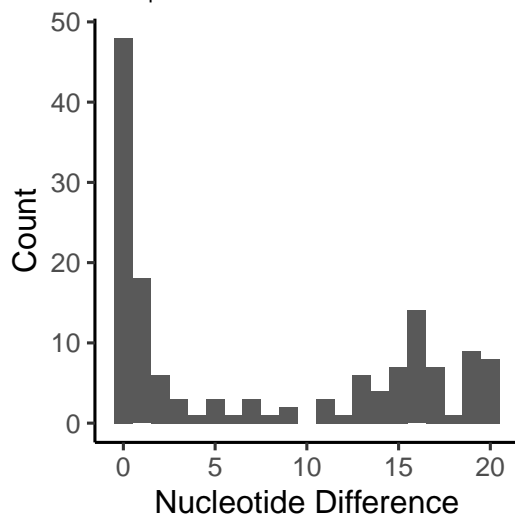
IGHV4-4*07

605 sequences assigned
52 (8.6%) exact matches, in which:
51 unique CDR3
6 unique J



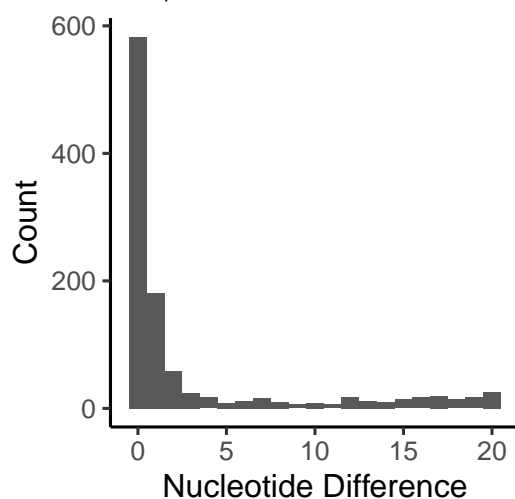
IGHV4-30-4*01

247 sequences assigned
48 (19.4%) exact matches, in which:
48 unique CDR3
6 unique J



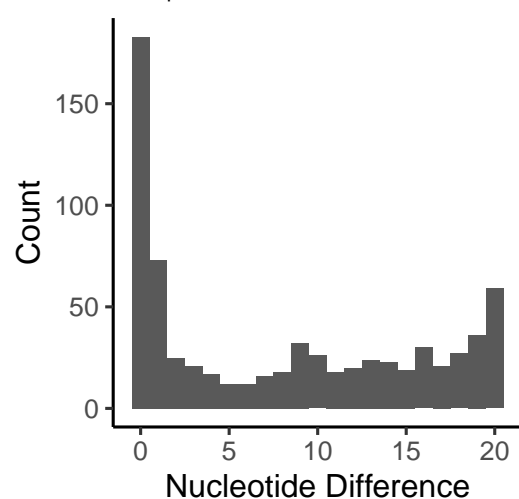
IGHV4-34*01

1384 sequences assigned
583 (42.1%) exact matches, in which:
579 unique CDR3
7 unique J



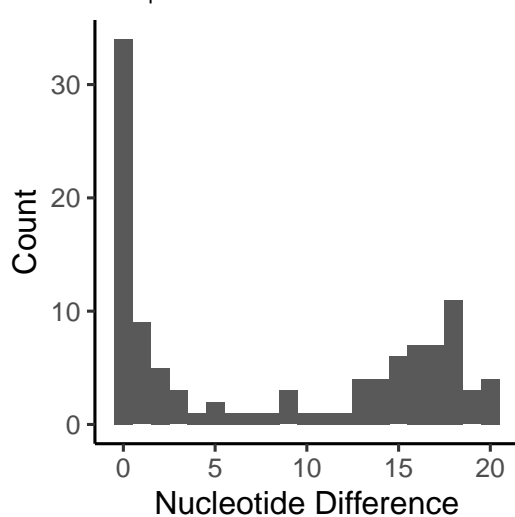
IGHV4-39*01

1496 sequences assigned
183 (12.2%) exact matches, in which:
182 unique CDR3
7 unique J



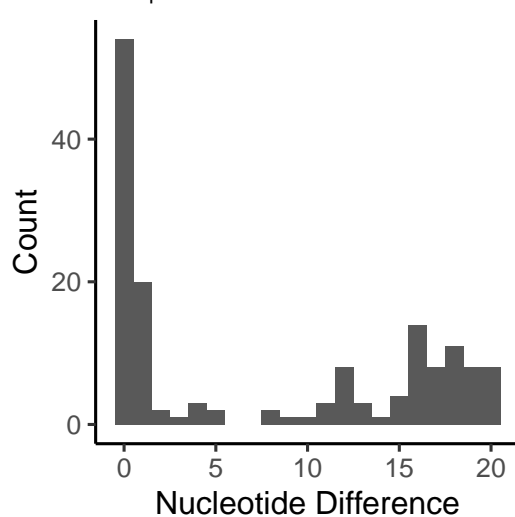
IGHV4-30-2*01

218 sequences assigned
34 (15.6%) exact matches, in which:
34 unique CDR3
6 unique J



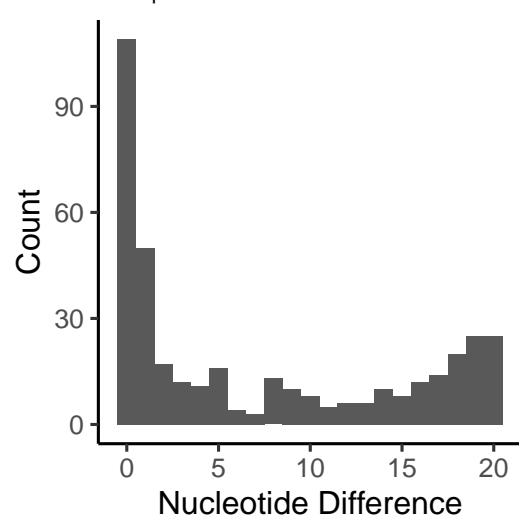
IGHV4-38-2*01

370 sequences assigned
54 (14.6%) exact matches, in which:
54 unique CDR3
5 unique J



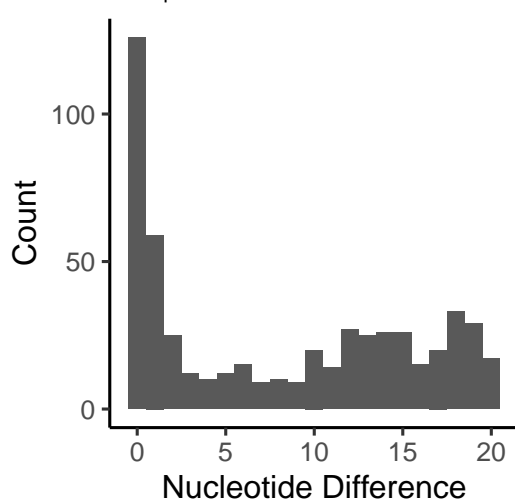
IGHV4-59*01

670 sequences assigned
109 (16.3%) exact matches, in which:
109 unique CDR3
7 unique J



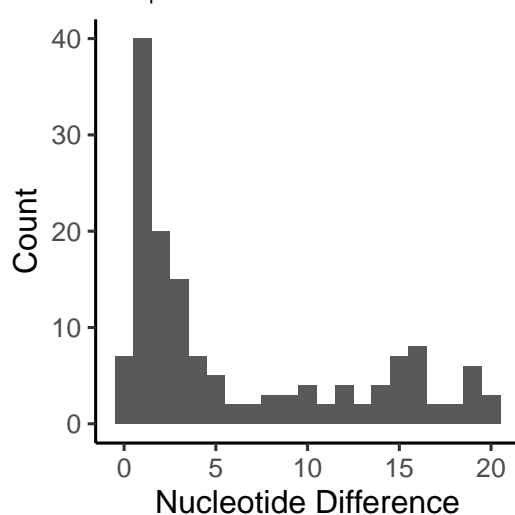
IGHV4-31*03

890 sequences assigned
126 (14.2%) exact matches, in which:
125 unique CDR3
7 unique J



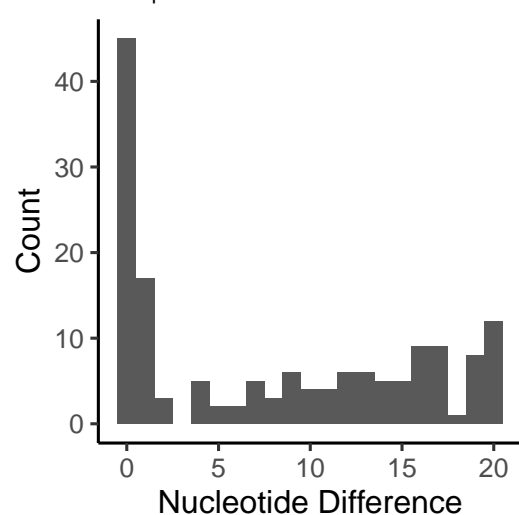
IGHV4-38-2*02

250 sequences assigned
7 (2.8%) exact matches, in which:
7 unique CDR3
4 unique J



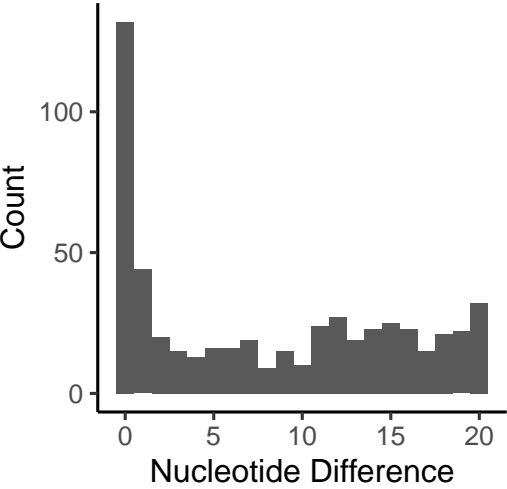
IGHV4-61*01

324 sequences assigned
45 (13.9%) exact matches, in which:
45 unique CDR3
7 unique J



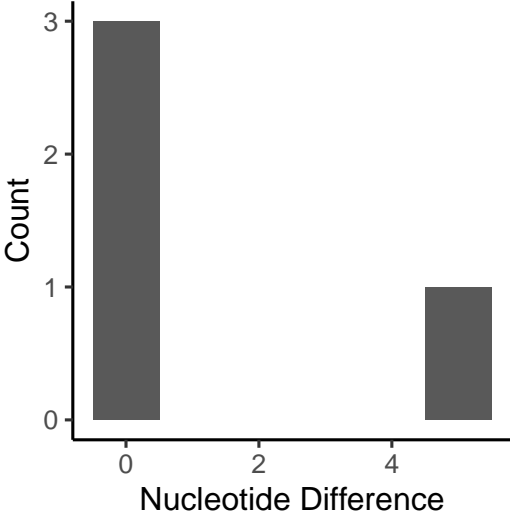
IGHV5-51*01

875 sequences assigned
132 (15.1%) exact matches, in which:
131 unique CDR3
7 unique J



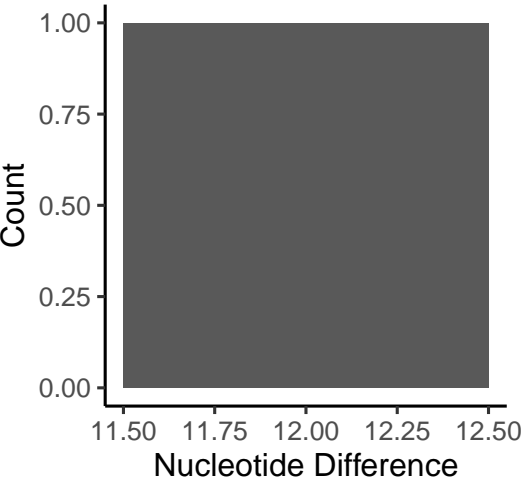
IGHV7-4-1*01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
3 unique J



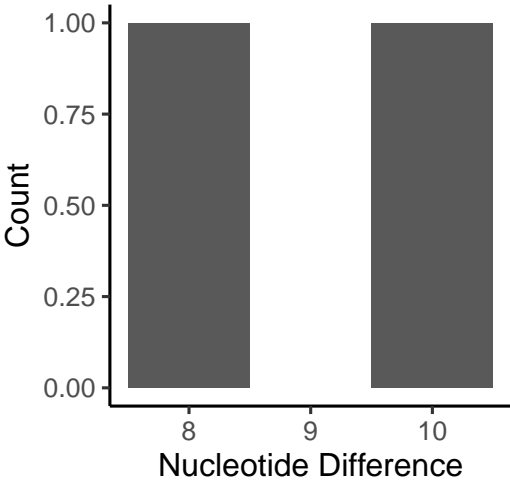
IGHV5-78*01

2 sequences assigned
No exact matches.



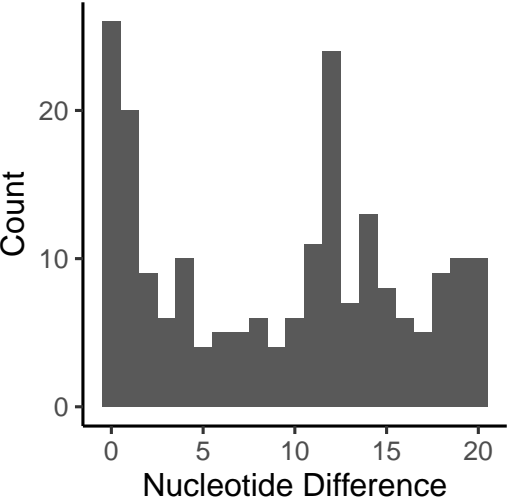
IGHV7-4-1*02

3 sequences assigned
No exact matches.

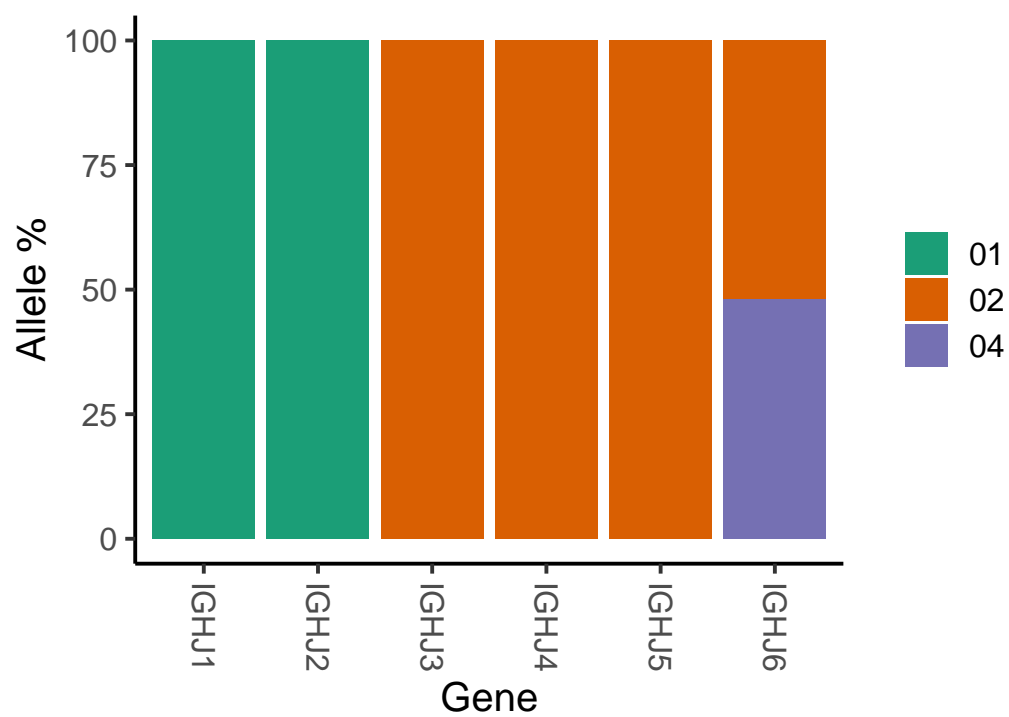


IGHV6-1*01

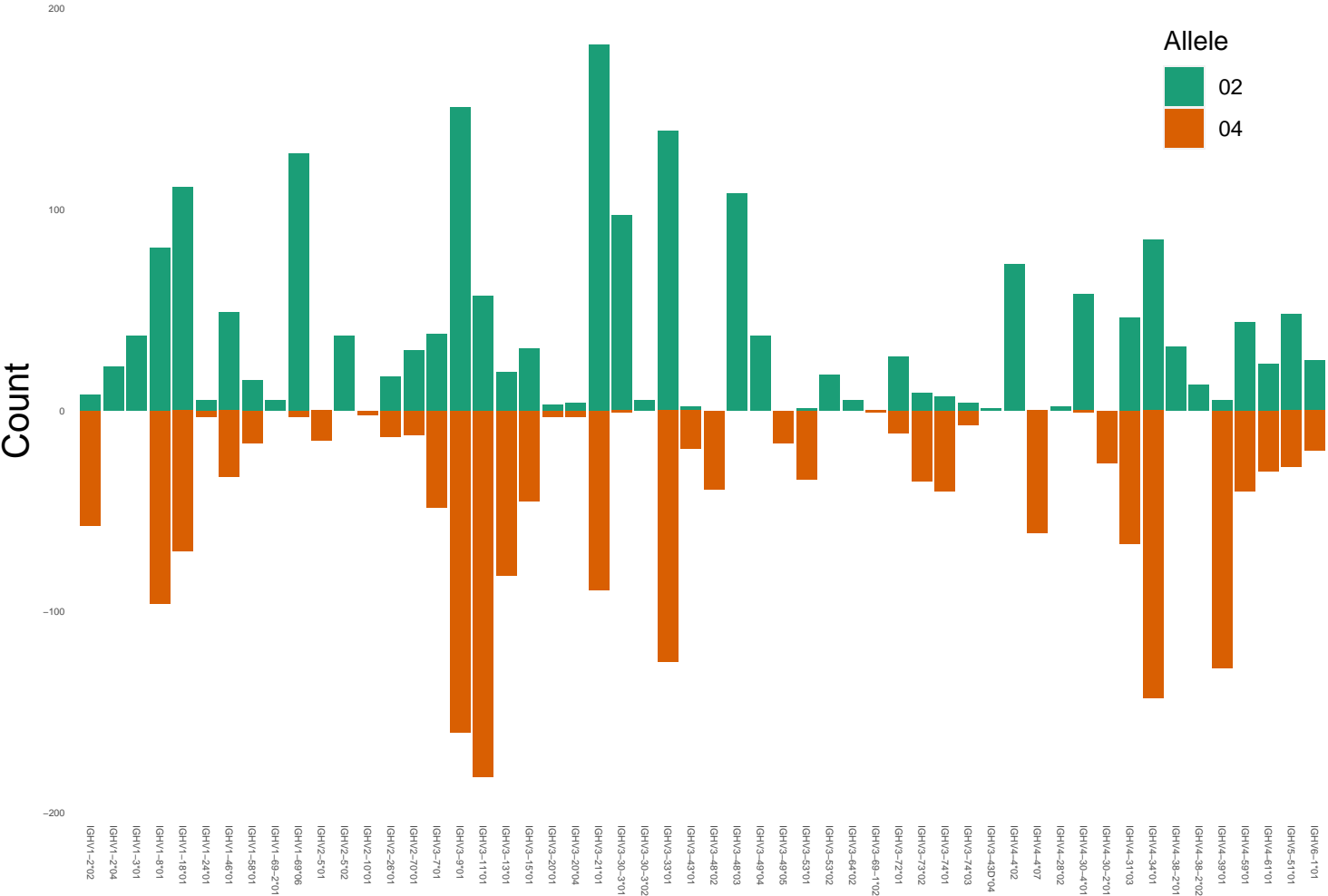
321 sequences assigned
26 (8.1%) exact matches, in which:
26 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.