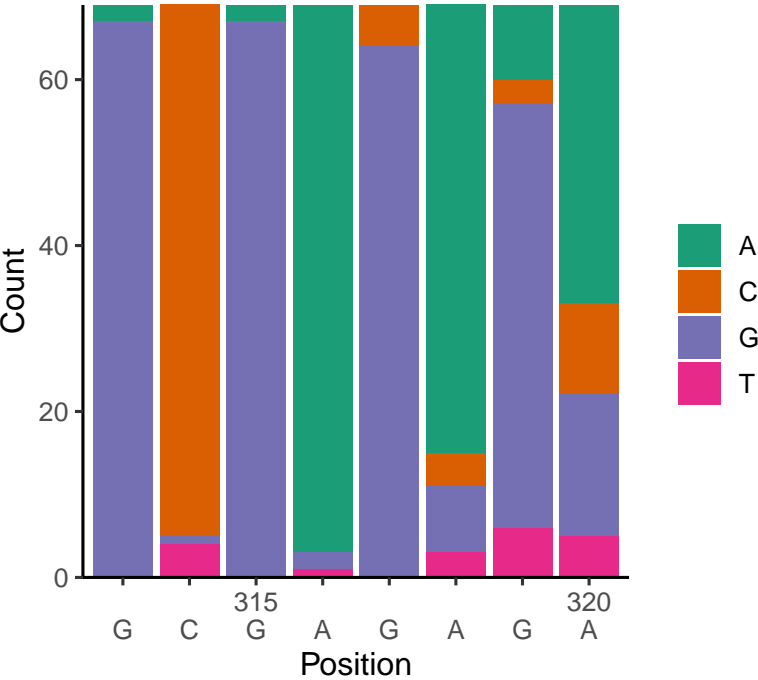
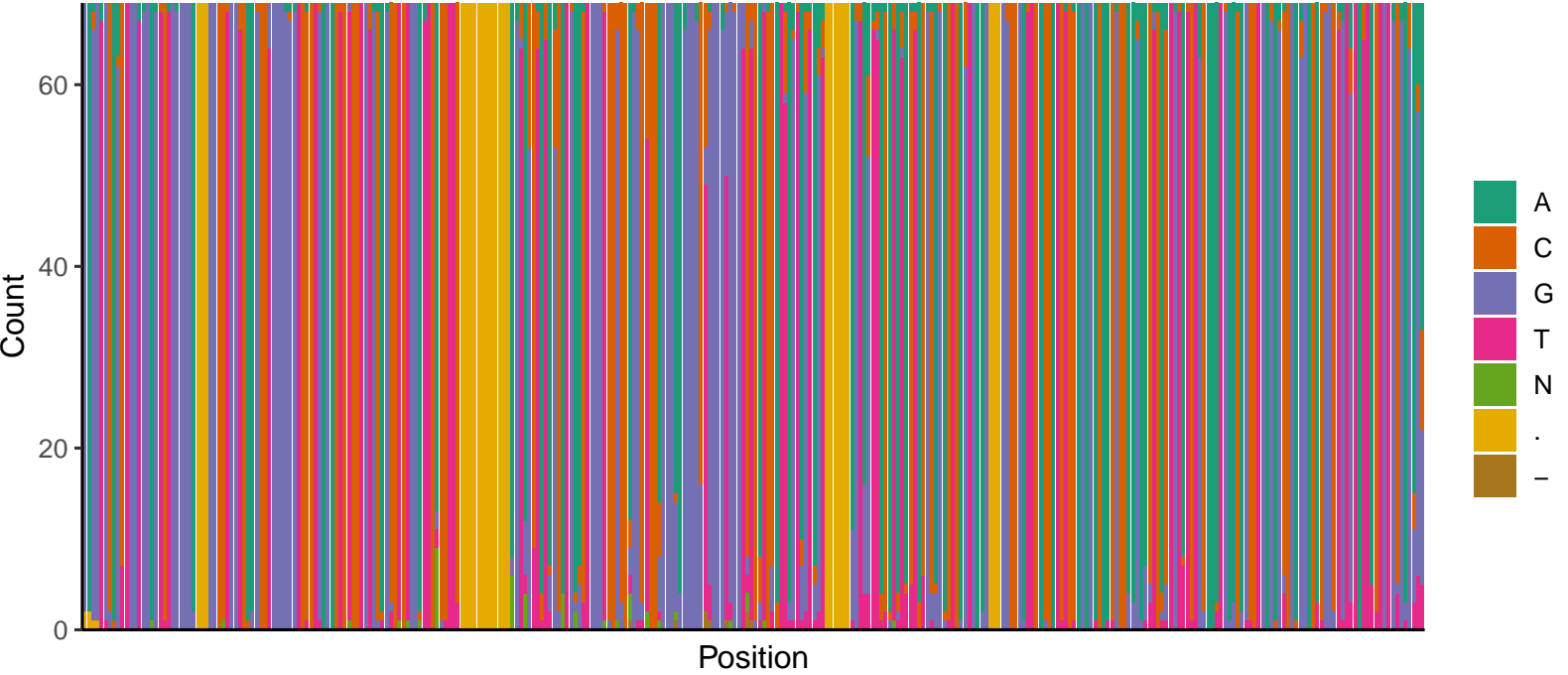


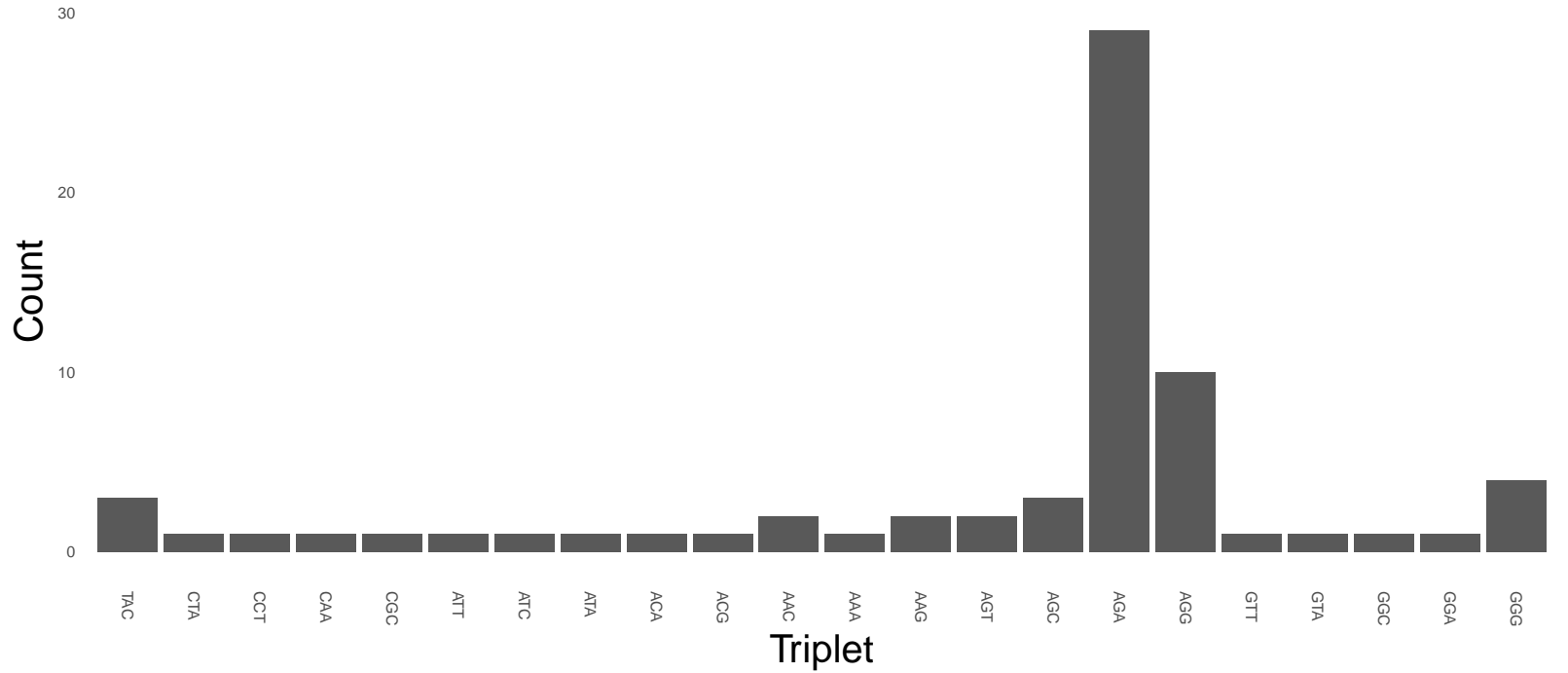
Gene IGHV3-21*01_A152G



Gene IGHV3-21*01_A152G

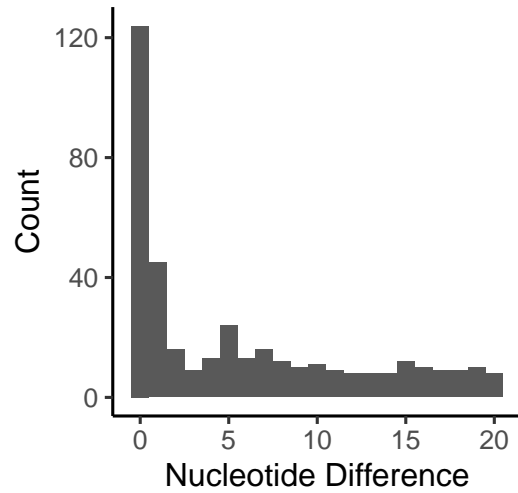


IGHV3-21*01_A152G- Final 3 nucleotides as a triplet



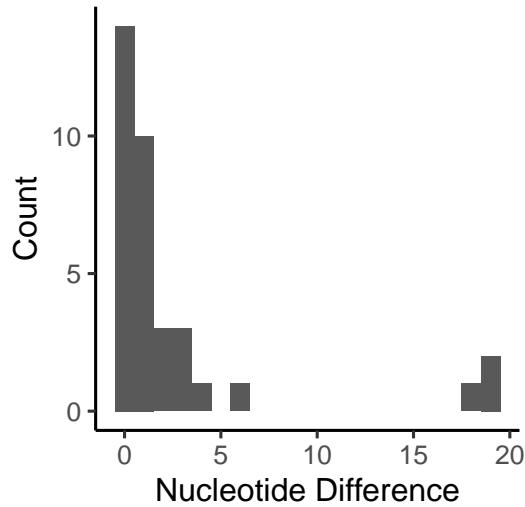
IGHV1-2*02

508 sequences assigned
124 (24.4%) exact matches, in which:
124 unique CDR3
7 unique J



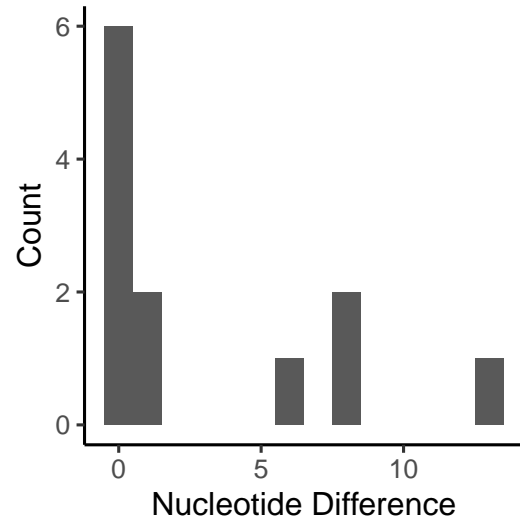
IGHV1-24*01

39 sequences assigned
14 (35.9%) exact matches, in which:
14 unique CDR3
6 unique J



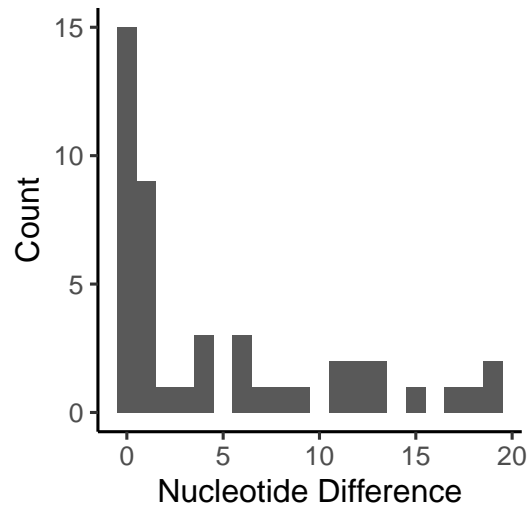
IGHV1-58*02

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



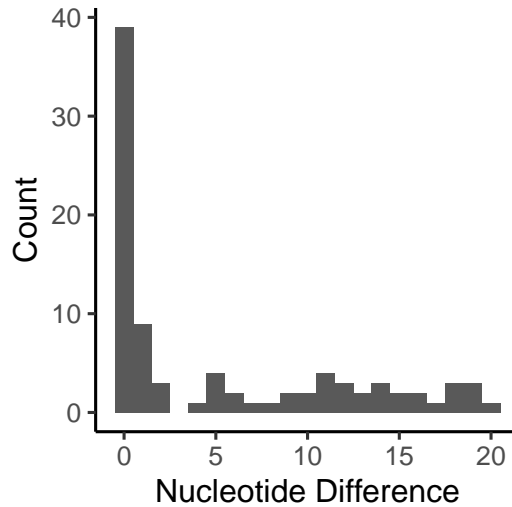
IGHV1-8*03

58 sequences assigned
15 (25.9%) exact matches, in which:
15 unique CDR3
4 unique J



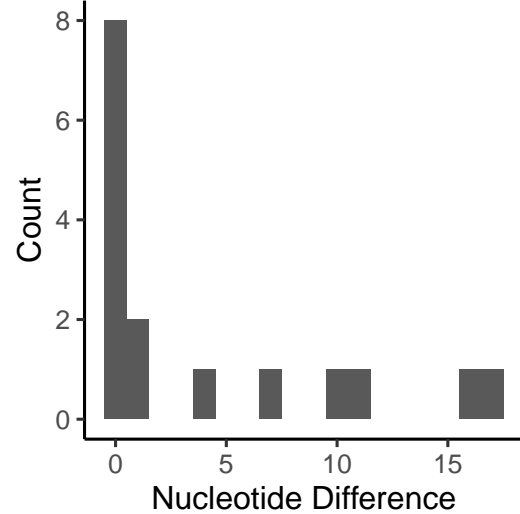
IGHV1-46*01

119 sequences assigned
39 (32.8%) exact matches, in which:
39 unique CDR3
4 unique J



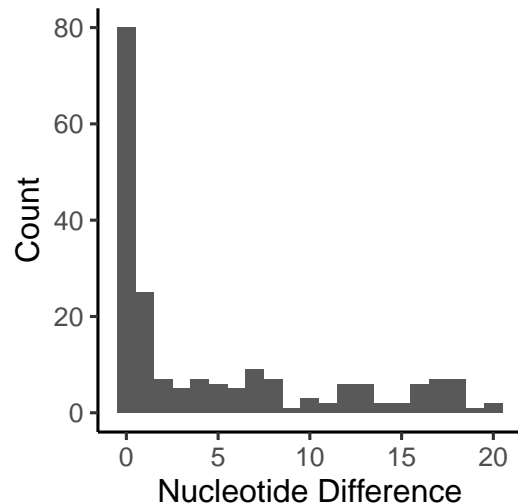
IGHV1-69-2*01

17 sequences assigned
8 (47.1%) exact matches, in which:
8 unique CDR3
4 unique J



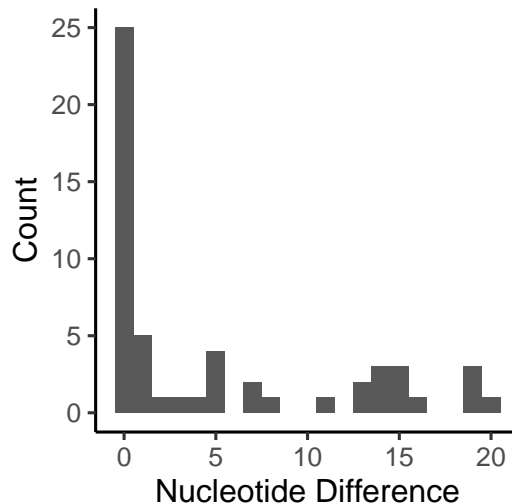
IGHV1-18*01

240 sequences assigned
80 (33.3%) exact matches, in which:
79 unique CDR3
6 unique J



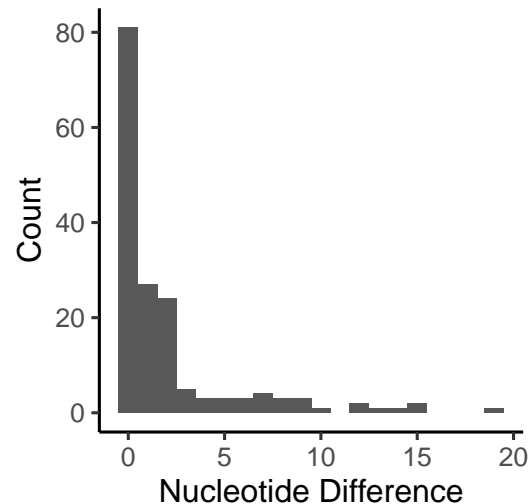
IGHV1-46*03

68 sequences assigned
25 (36.8%) exact matches, in which:
25 unique CDR3
6 unique J



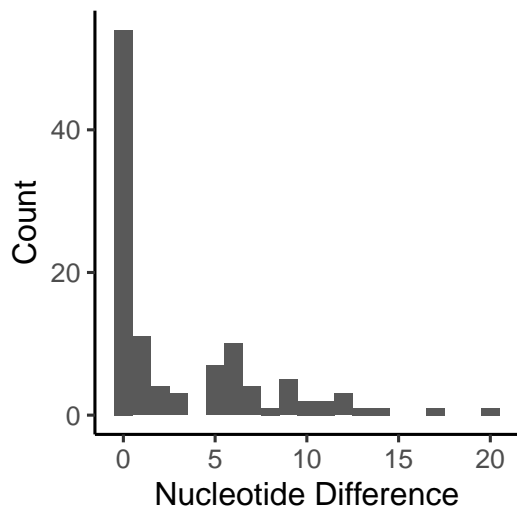
IGHV1-69*04

191 sequences assigned
81 (42.4%) exact matches, in which:
81 unique CDR3
6 unique J



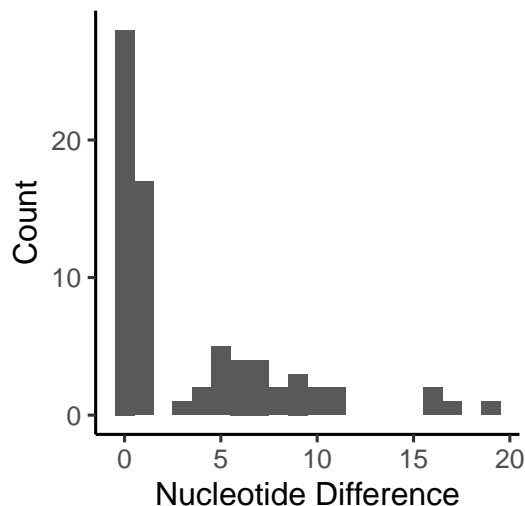
IGHV1-69*12

131 sequences assigned
54 (41.2%) exact matches, in which:
54 unique CDR3
5 unique J



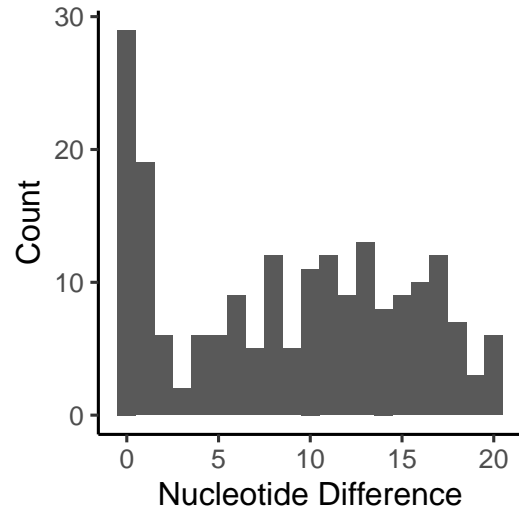
IGHV2-26*01

82 sequences assigned
28 (34.1%) exact matches, in which:
27 unique CDR3
5 unique J



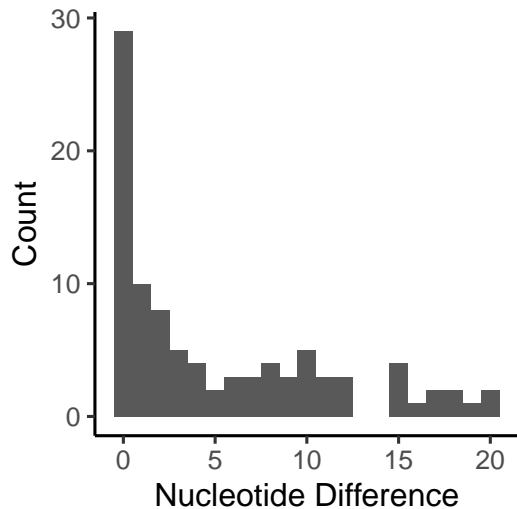
IGHV3-7*01

264 sequences assigned
29 (11%) exact matches, in which:
29 unique CDR3
5 unique J



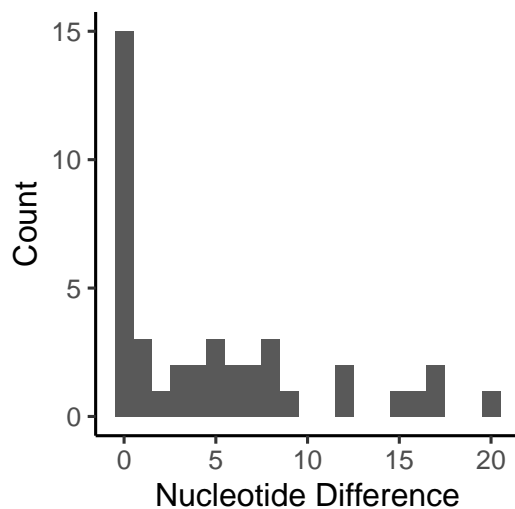
IGHV2-5*01

123 sequences assigned
29 (23.6%) exact matches, in which:
29 unique CDR3
5 unique J



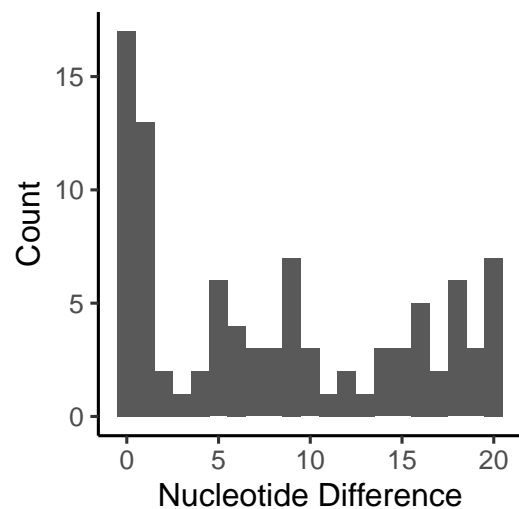
IGHV2-70*15

44 sequences assigned
15 (34.1%) exact matches, in which:
15 unique CDR3
3 unique J



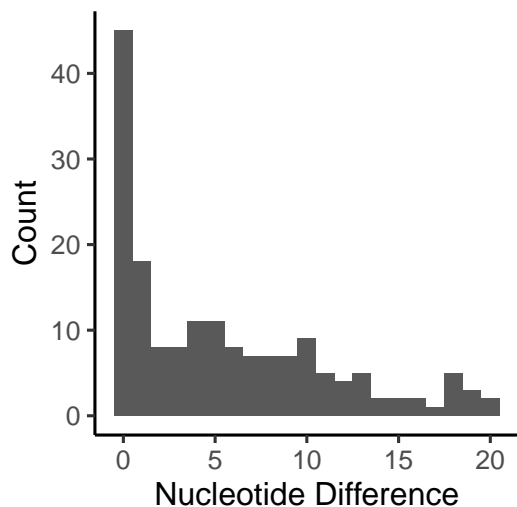
IGHV3-7*04

123 sequences assigned
17 (13.8%) exact matches, in which:
17 unique CDR3
4 unique J



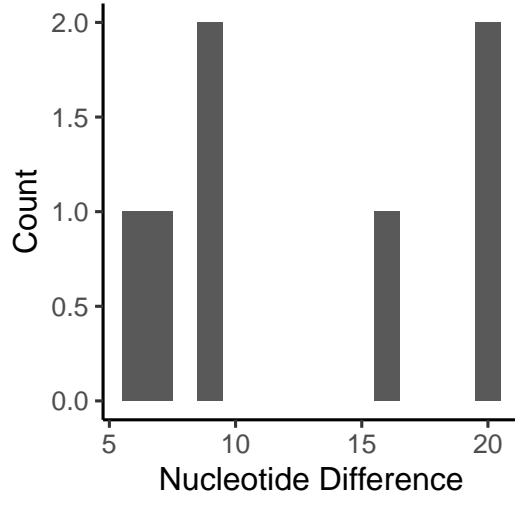
IGHV2-5*02

192 sequences assigned
45 (23.4%) exact matches, in which:
45 unique CDR3
5 unique J



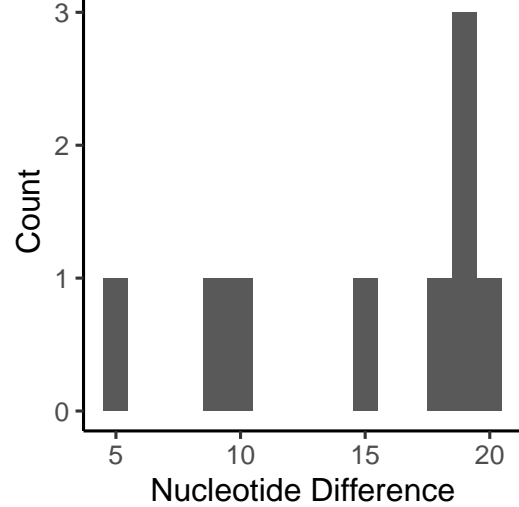
IGHV2-70*17

7 sequences assigned
No exact matches.



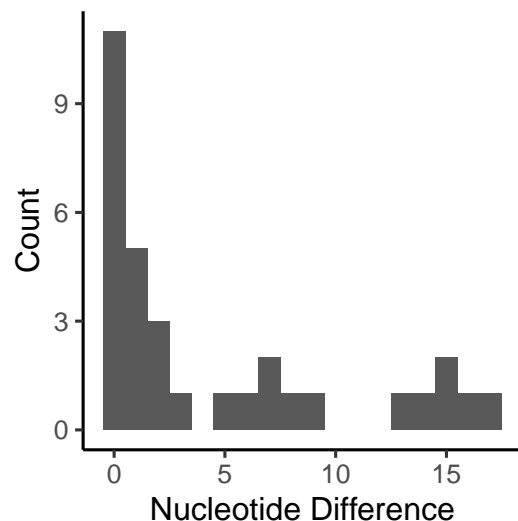
IGHV3-9*01

16 sequences assigned
No exact matches.



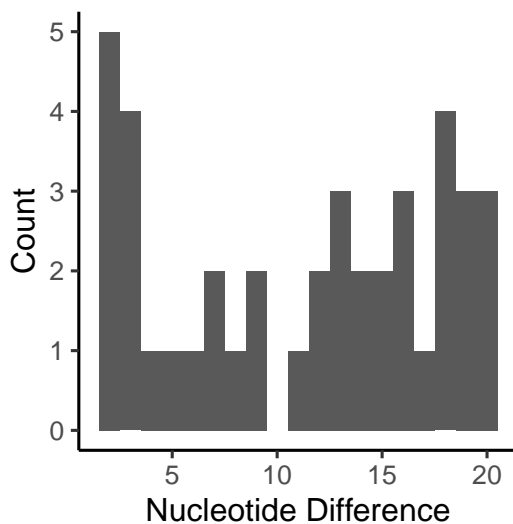
IGHV3-9*03

33 sequences assigned
11 (33.3%) exact matches, in which:
11 unique CDR3
3 unique J



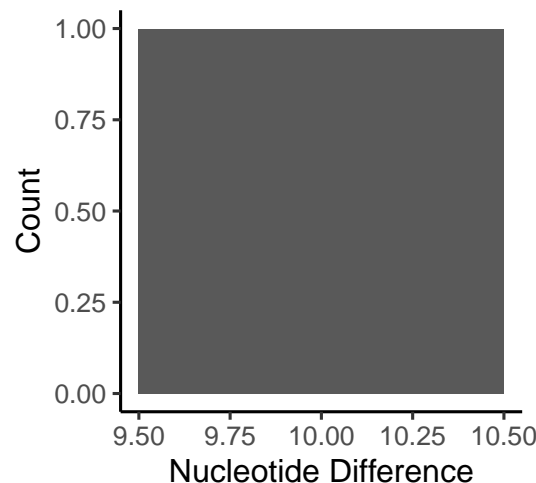
IGHV3-13*01

59 sequences assigned
No exact matches.



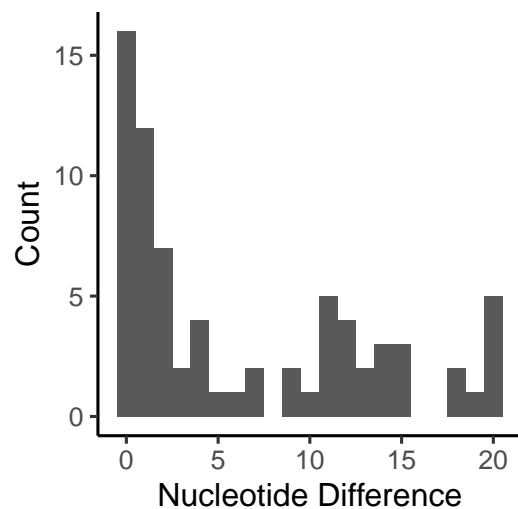
IGHV3-19*01

1 sequences assigned
No exact matches.



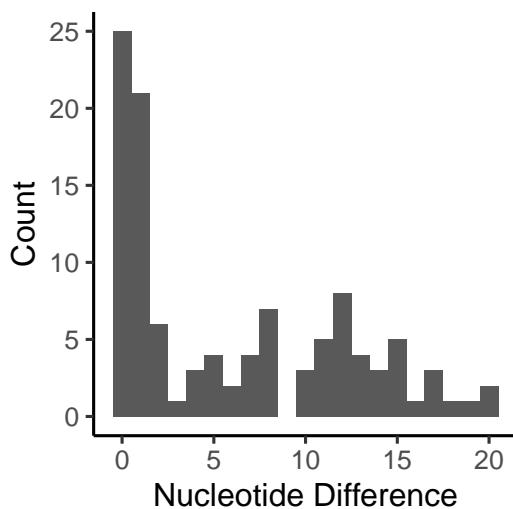
IGHV3-11*04

99 sequences assigned
16 (16.2%) exact matches, in which:
16 unique CDR3
5 unique J



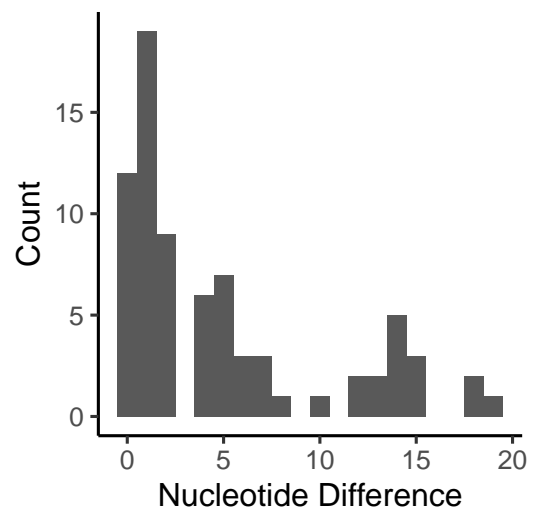
IGHV3-15*01

116 sequences assigned
25 (21.6%) exact matches, in which:
24 unique CDR3
5 unique J



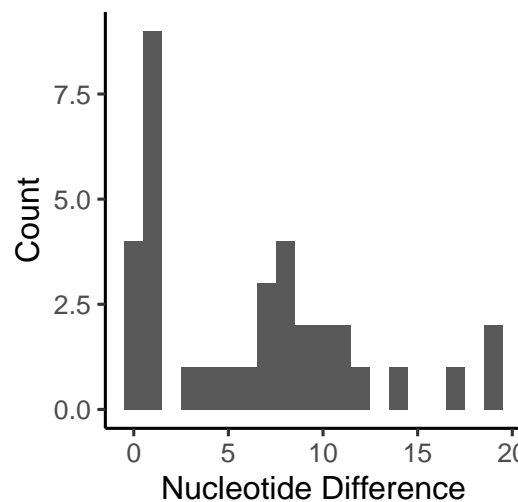
IGHV3-20*04

85 sequences assigned
12 (14.1%) exact matches, in which:
12 unique CDR3
4 unique J



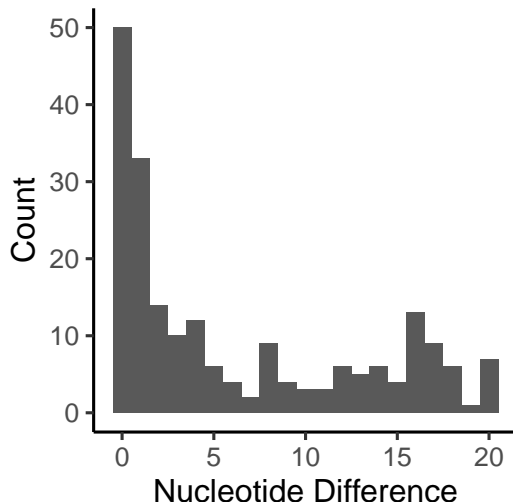
IGHV3-11*06

41 sequences assigned
4 (9.8%) exact matches, in which:
4 unique CDR3
3 unique J



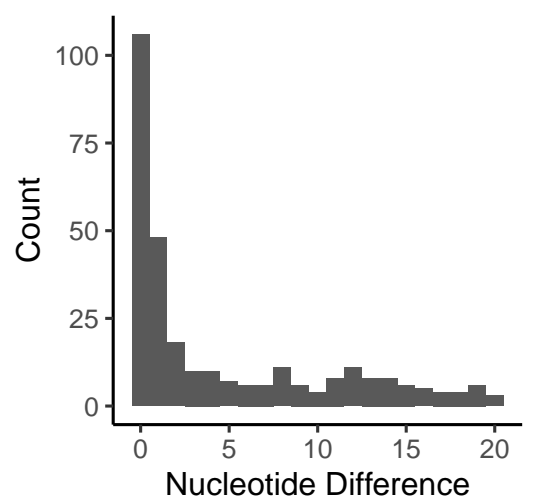
IGHV3-15*07

298 sequences assigned
50 (16.8%) exact matches, in which:
50 unique CDR3
5 unique J



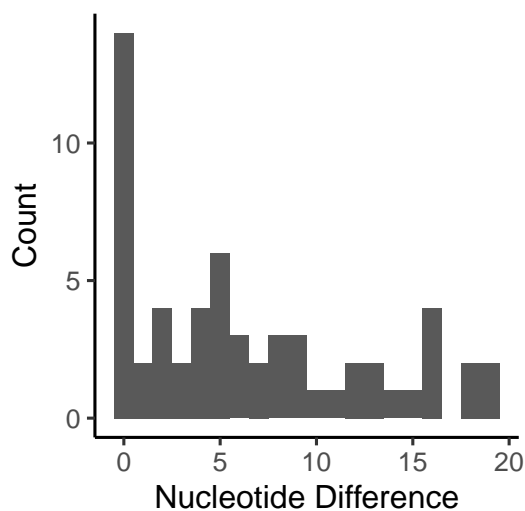
IGHV3-21*01

338 sequences assigned
106 (31.4%) exact matches, in which:
106 unique CDR3
7 unique J



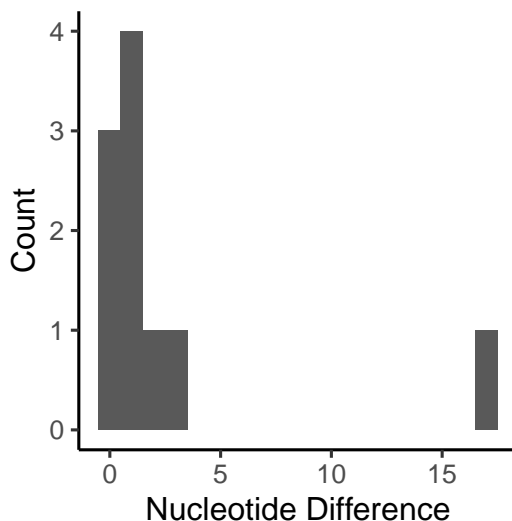
IGHV3-21*01_A152G

69 sequences assigned
14 (20.3%) exact matches, in which:
14 unique CDR3
5 unique J



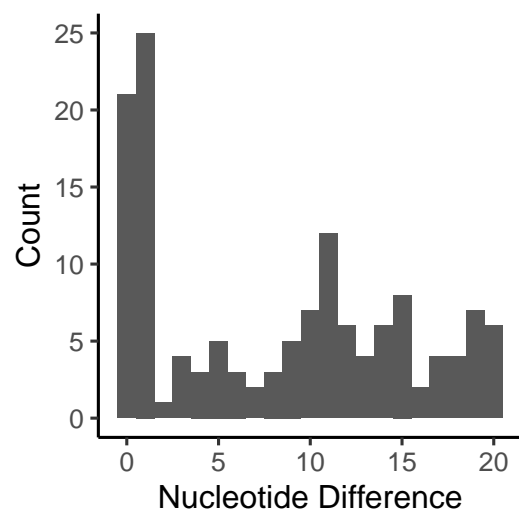
IGHV3-43*01

13 sequences assigned
3 (23.1%) exact matches, in which:
3 unique CDR3
2 unique J



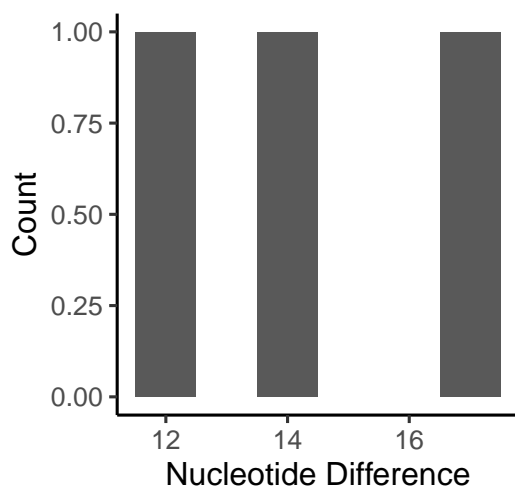
IGHV3-48*01

174 sequences assigned
21 (12.1%) exact matches, in which:
21 unique CDR3
4 unique J



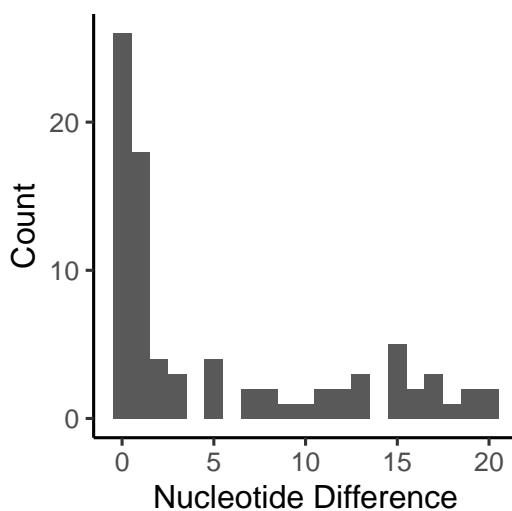
IGHV3-30-3*01

3 sequences assigned
No exact matches.



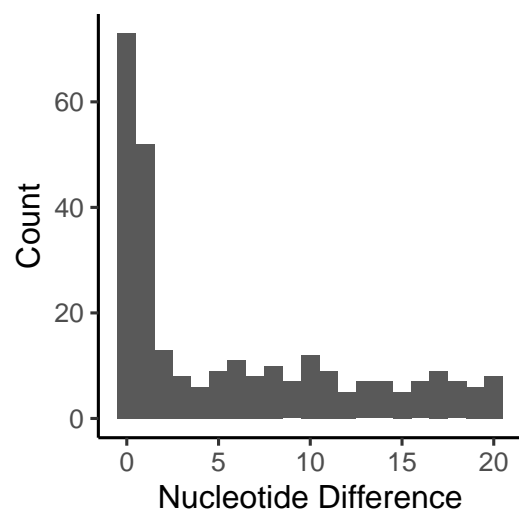
IGHV3-43*02

99 sequences assigned
26 (26.3%) exact matches, in which:
26 unique CDR3
4 unique J



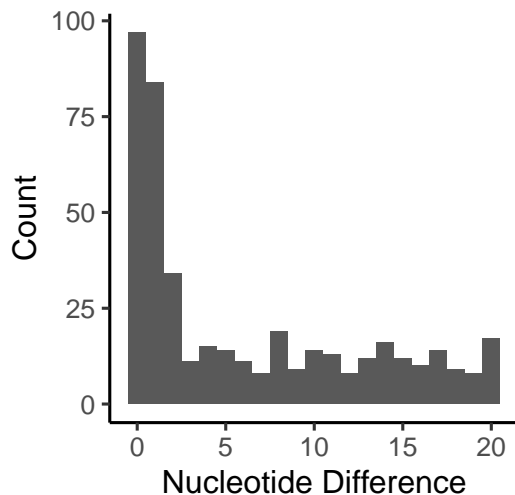
IGHV3-48*03

329 sequences assigned
73 (22.2%) exact matches, in which:
73 unique CDR3
5 unique J



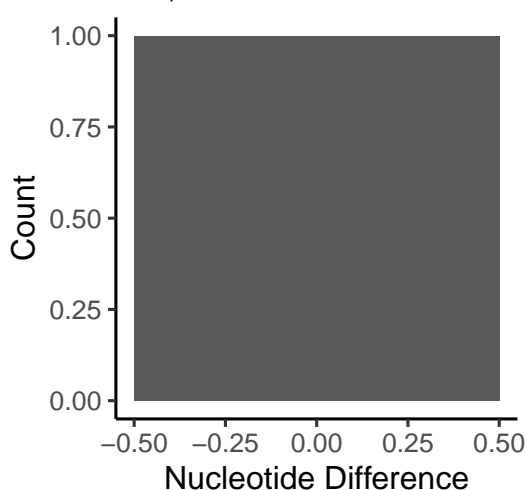
IGHV3-33*01

525 sequences assigned
97 (18.5%) exact matches, in which:
97 unique CDR3
5 unique J



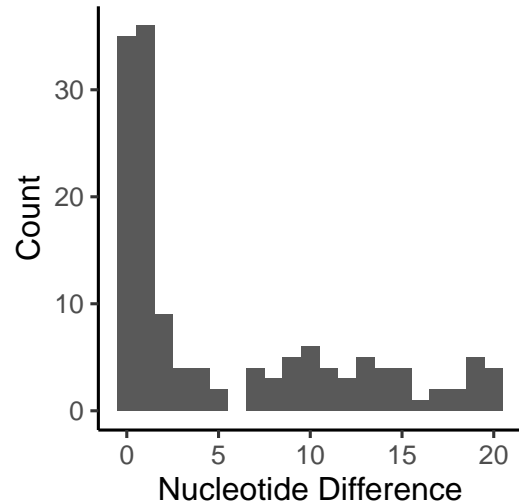
IGHV3-47*02

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



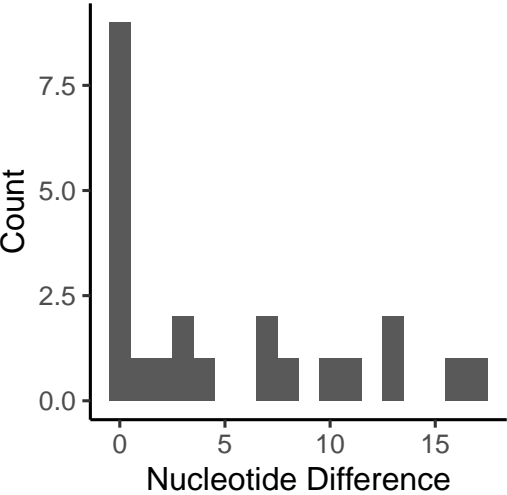
IGHV3-49*04

164 sequences assigned
35 (21.3%) exact matches, in which:
35 unique CDR3
6 unique J



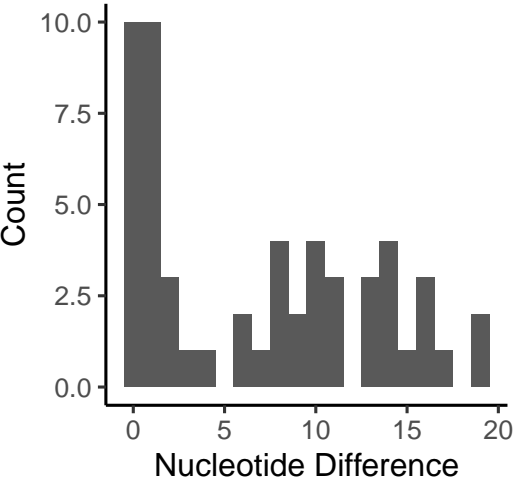
IGHV3-53*04

25 sequences assigned
9 (36%) exact matches, in which:
9 unique CDR3
4 unique J



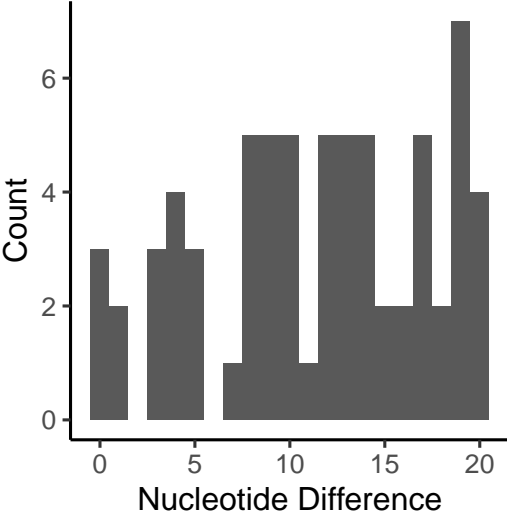
IGHV3-66*02

84 sequences assigned
10 (11.9%) exact matches, in which:
10 unique CDR3
5 unique J



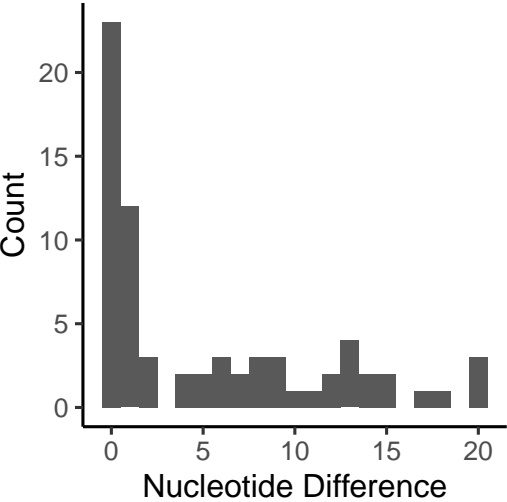
IGHV3-72*01

87 sequences assigned
3 (3.4%) exact matches, in which:
3 unique CDR3
1 unique J



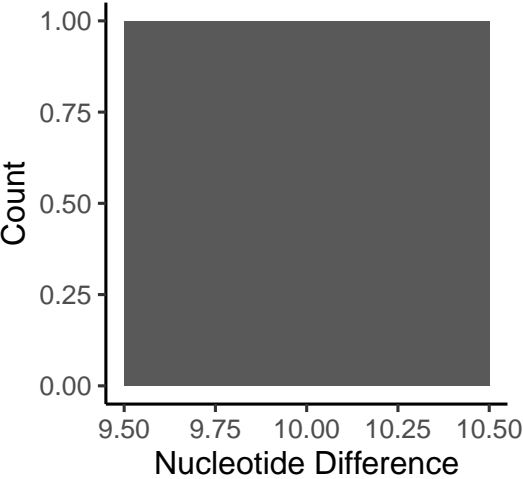
IGHV3-64*01

77 sequences assigned
23 (29.9%) exact matches, in which:
23 unique CDR3
5 unique J



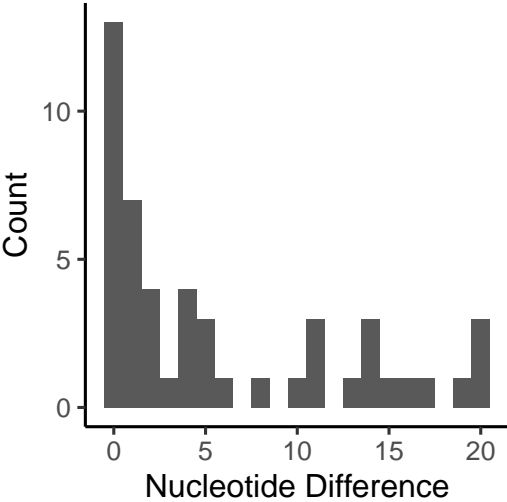
IGHV3-69-1*01

1 sequences assigned
No exact matches.



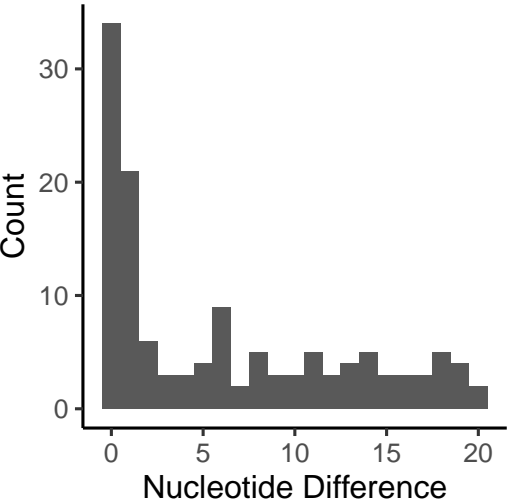
IGHV3-73*01

62 sequences assigned
13 (21%) exact matches, in which:
13 unique CDR3
4 unique J



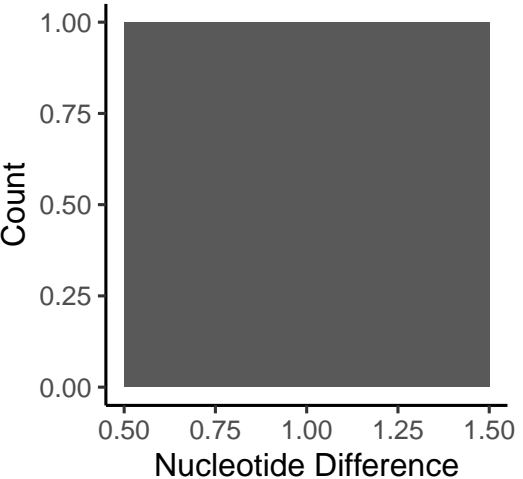
IGHV3-66*01

189 sequences assigned
34 (18%) exact matches, in which:
33 unique CDR3
5 unique J



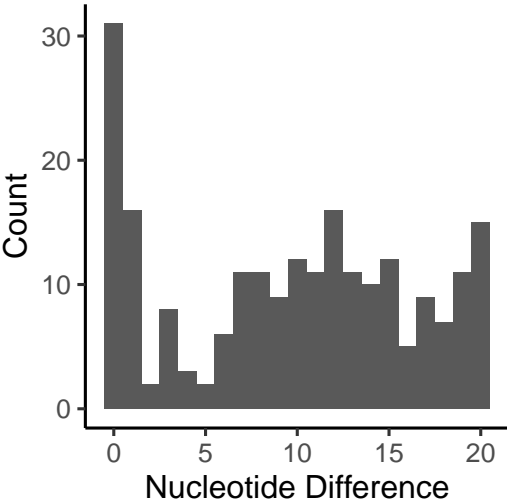
IGHV3-71*02

1 sequences assigned
No exact matches.



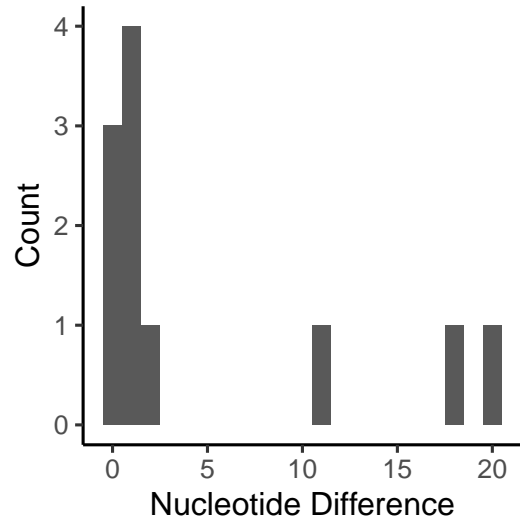
IGHV3-74*01

325 sequences assigned
31 (9.5%) exact matches, in which:
31 unique CDR3
5 unique J



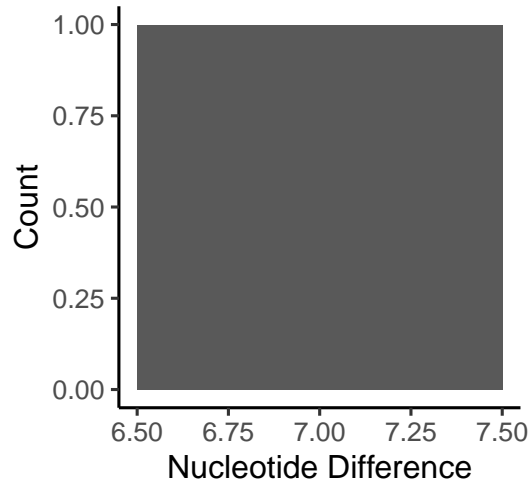
IGHV3-43D*03

11 sequences assigned
3 (27.3%) exact matches, in which:
3 unique CDR3
2 unique J



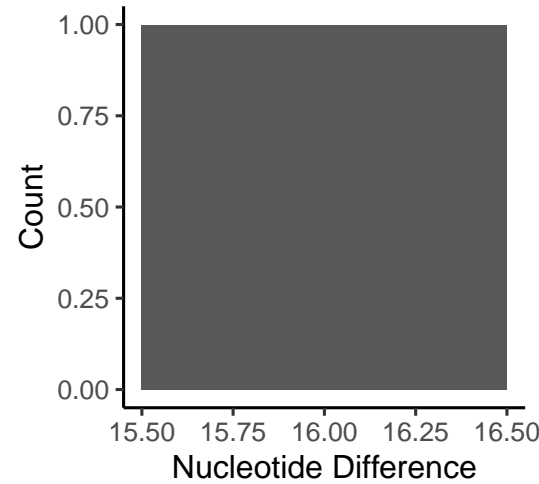
IGHV3-NL1*01

1 sequences assigned
No exact matches.



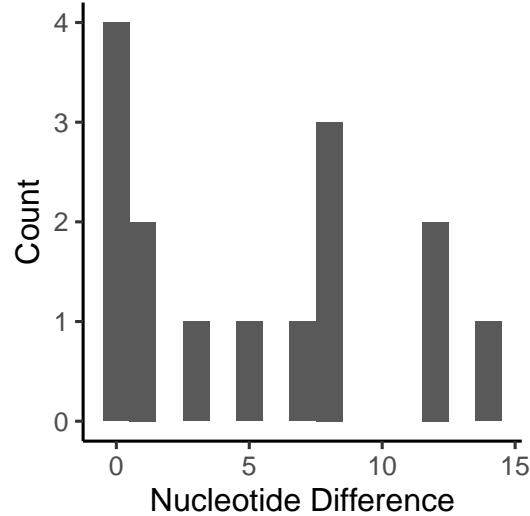
IGHV4-30-2*05

2 sequences assigned
No exact matches.



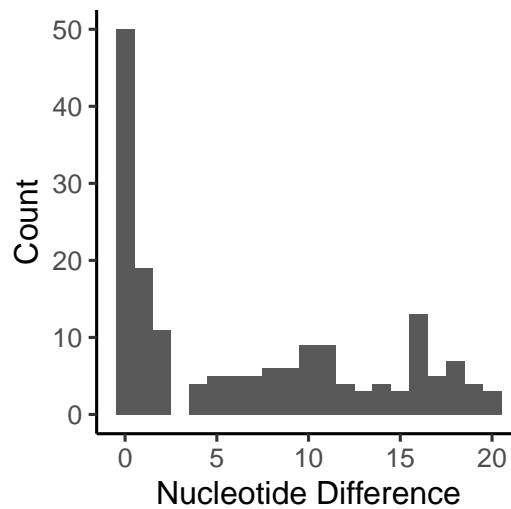
IGHV3-43D*04

18 sequences assigned
4 (22.2%) exact matches, in which:
4 unique CDR3
3 unique J



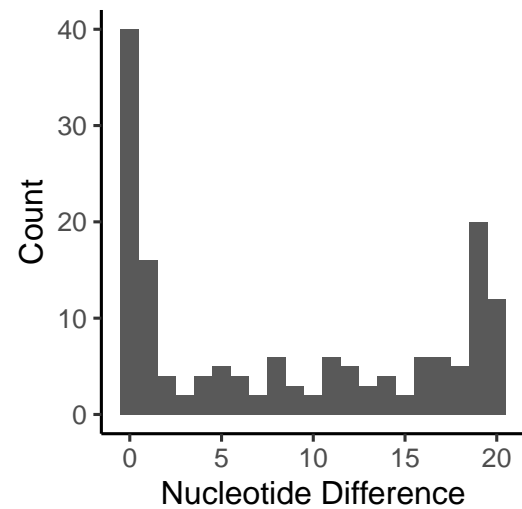
IGHV4-4*07

414 sequences assigned
50 (12.1%) exact matches, in which:
50 unique CDR3
6 unique J



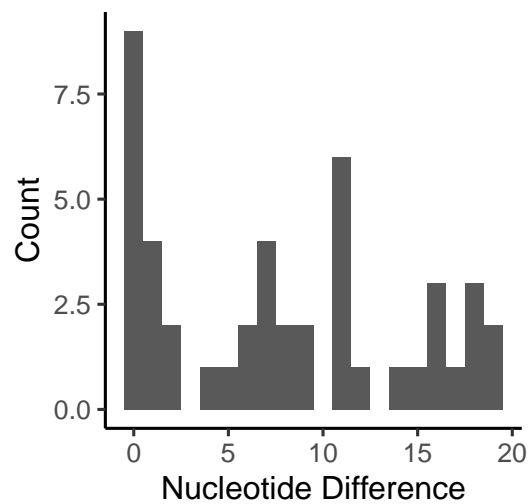
IGHV4-30-4*08

348 sequences assigned
40 (11.5%) exact matches, in which:
40 unique CDR3
4 unique J



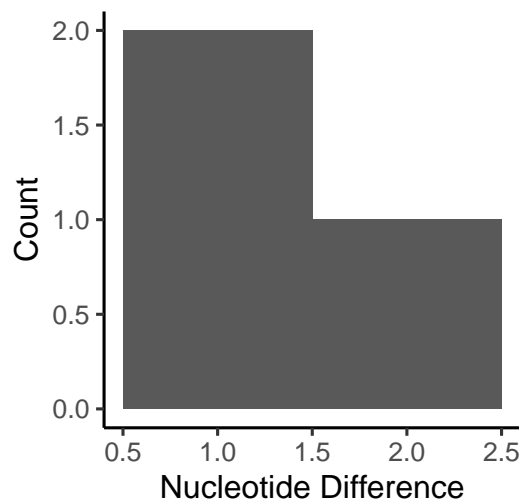
IGHV3-64D*06

55 sequences assigned
9 (16.4%) exact matches, in which:
9 unique CDR3
3 unique J



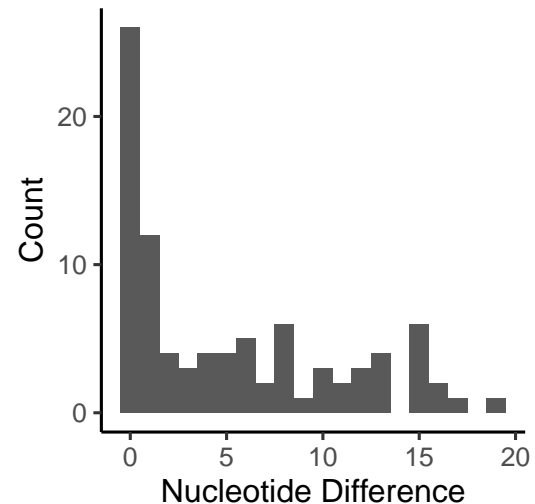
IGHV4-28*04

3 sequences assigned
No exact matches.



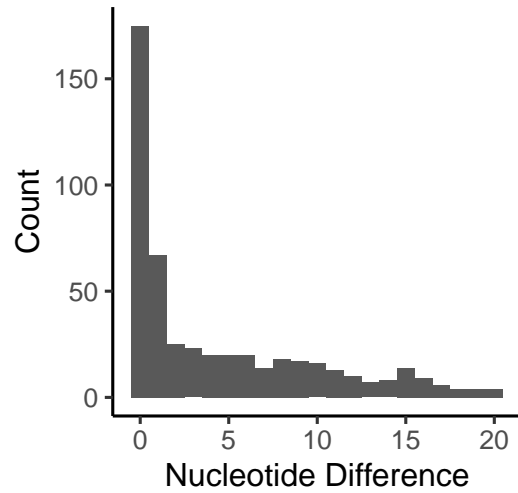
IGHV4-31*03

110 sequences assigned
26 (23.6%) exact matches, in which:
26 unique CDR3
6 unique J



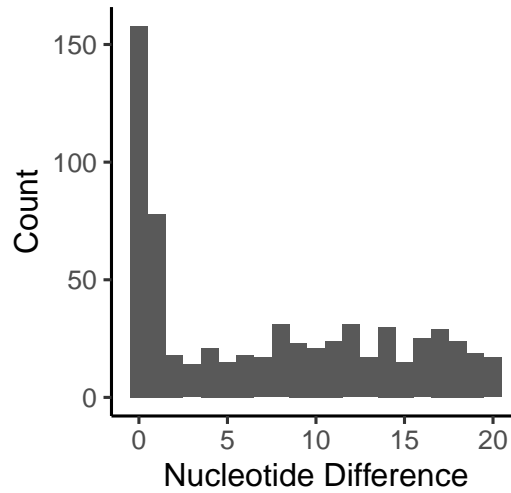
IGHV4-34*01

589 sequences assigned
175 (29.7%) exact matches, in which:
174 unique CDR3
7 unique J



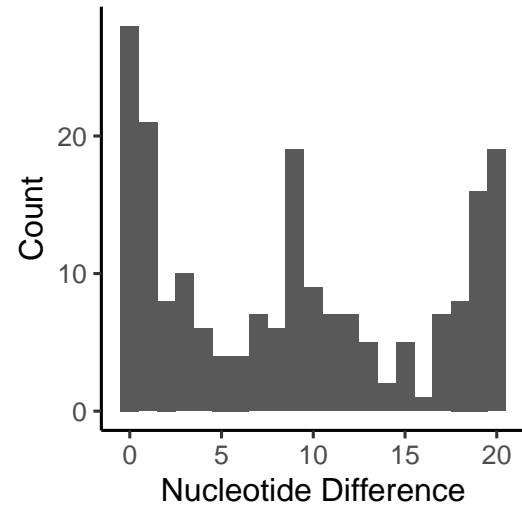
IGHV4-39*01

873 sequences assigned
158 (18.1%) exact matches, in which:
158 unique CDR3
7 unique J



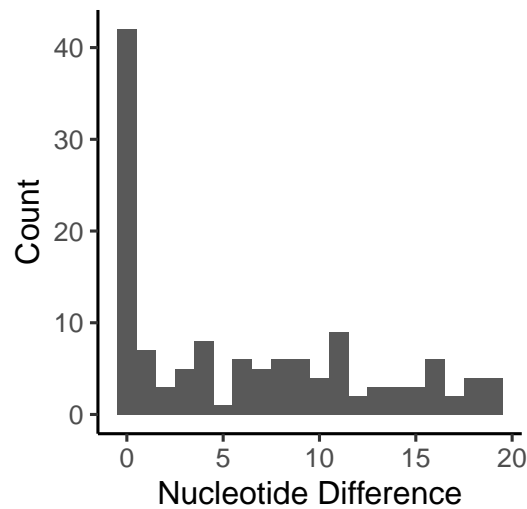
IGHV4-61*02

457 sequences assigned
28 (6.1%) exact matches, in which:
28 unique CDR3
5 unique J



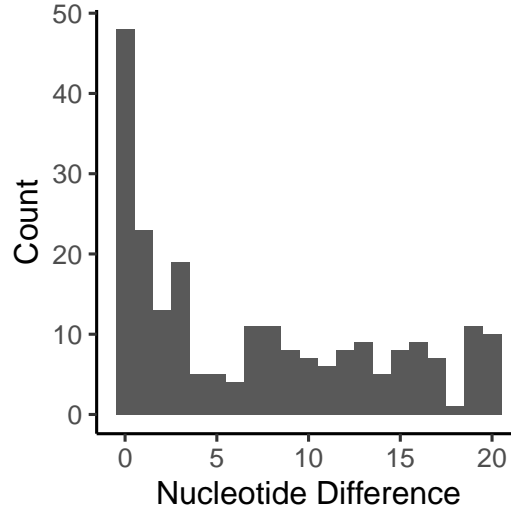
IGHV4-38-2*01

148 sequences assigned
42 (28.4%) exact matches, in which:
42 unique CDR3
6 unique J



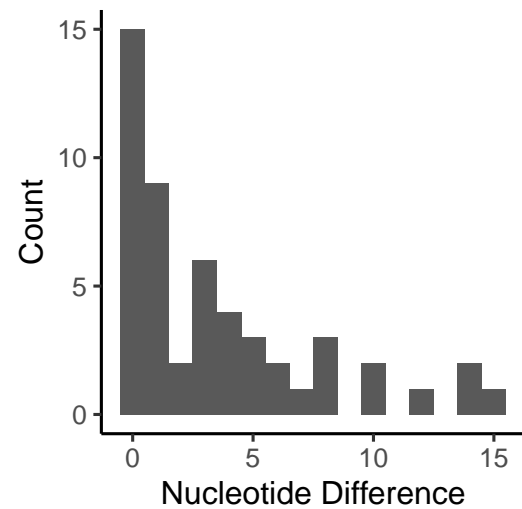
IGHV4-59*01

2575 sequences assigned
48 (1.9%) exact matches, in which:
48 unique CDR3
7 unique J



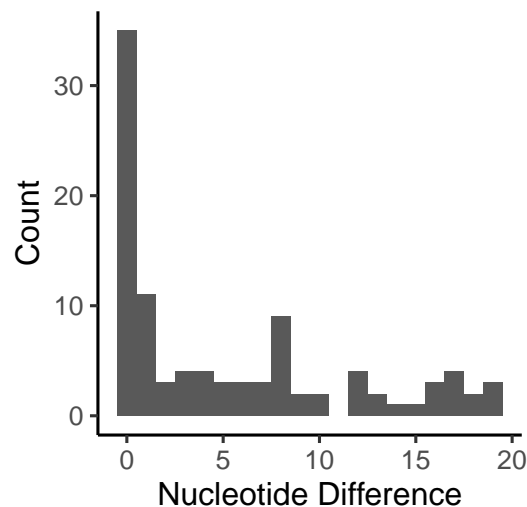
IGHV5-10-1*03

57 sequences assigned
15 (26.3%) exact matches, in which:
15 unique CDR3
3 unique J



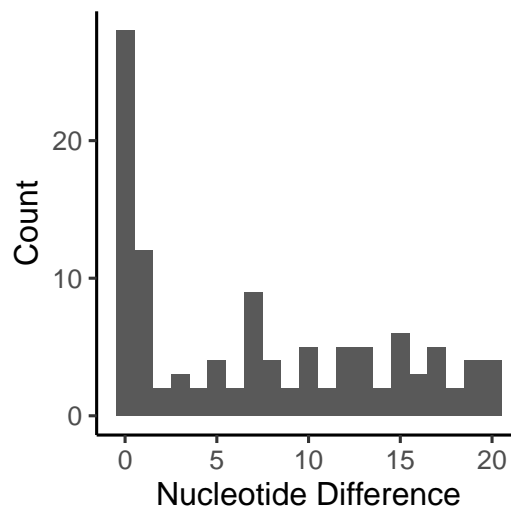
IGHV4-38-2*02

122 sequences assigned
35 (28.7%) exact matches, in which:
35 unique CDR3
5 unique J



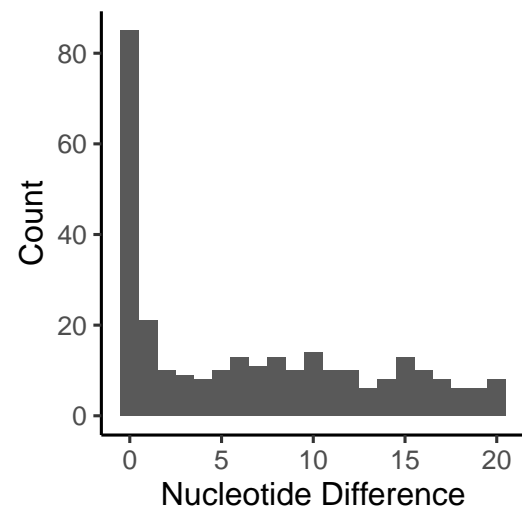
IGHV4-59*08

162 sequences assigned
28 (17.3%) exact matches, in which:
28 unique CDR3
5 unique J



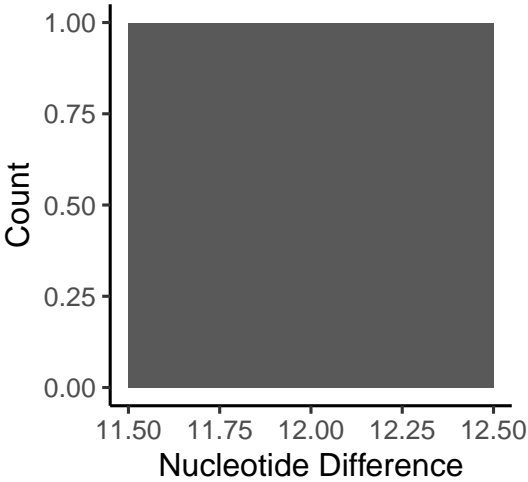
IGHV5-51*01

341 sequences assigned
85 (24.9%) exact matches, in which:
85 unique CDR3
7 unique J



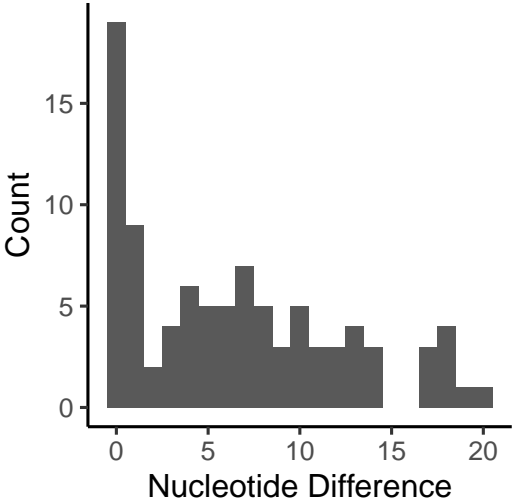
IGHV5-78*01

1 sequences assigned
No exact matches.



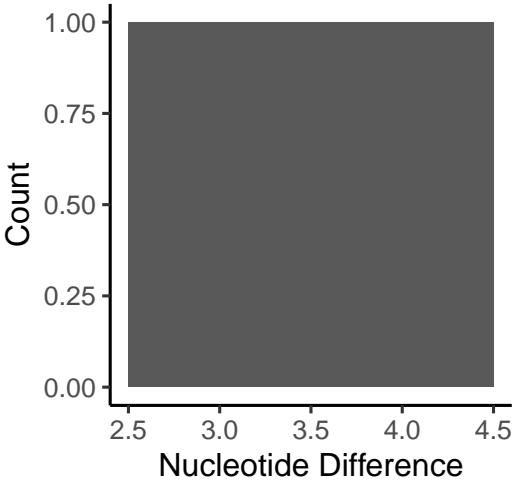
IGHV6-1*01

104 sequences assigned
19 (18.3%) exact matches, in which:
18 unique CDR3
5 unique J

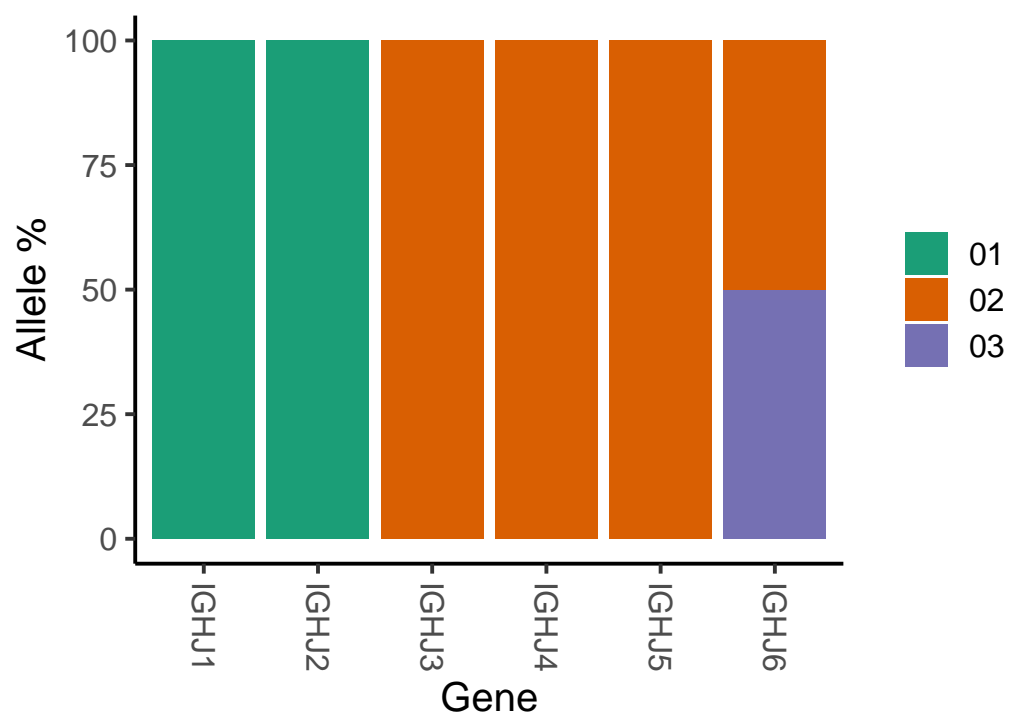


IGHV7-81*01

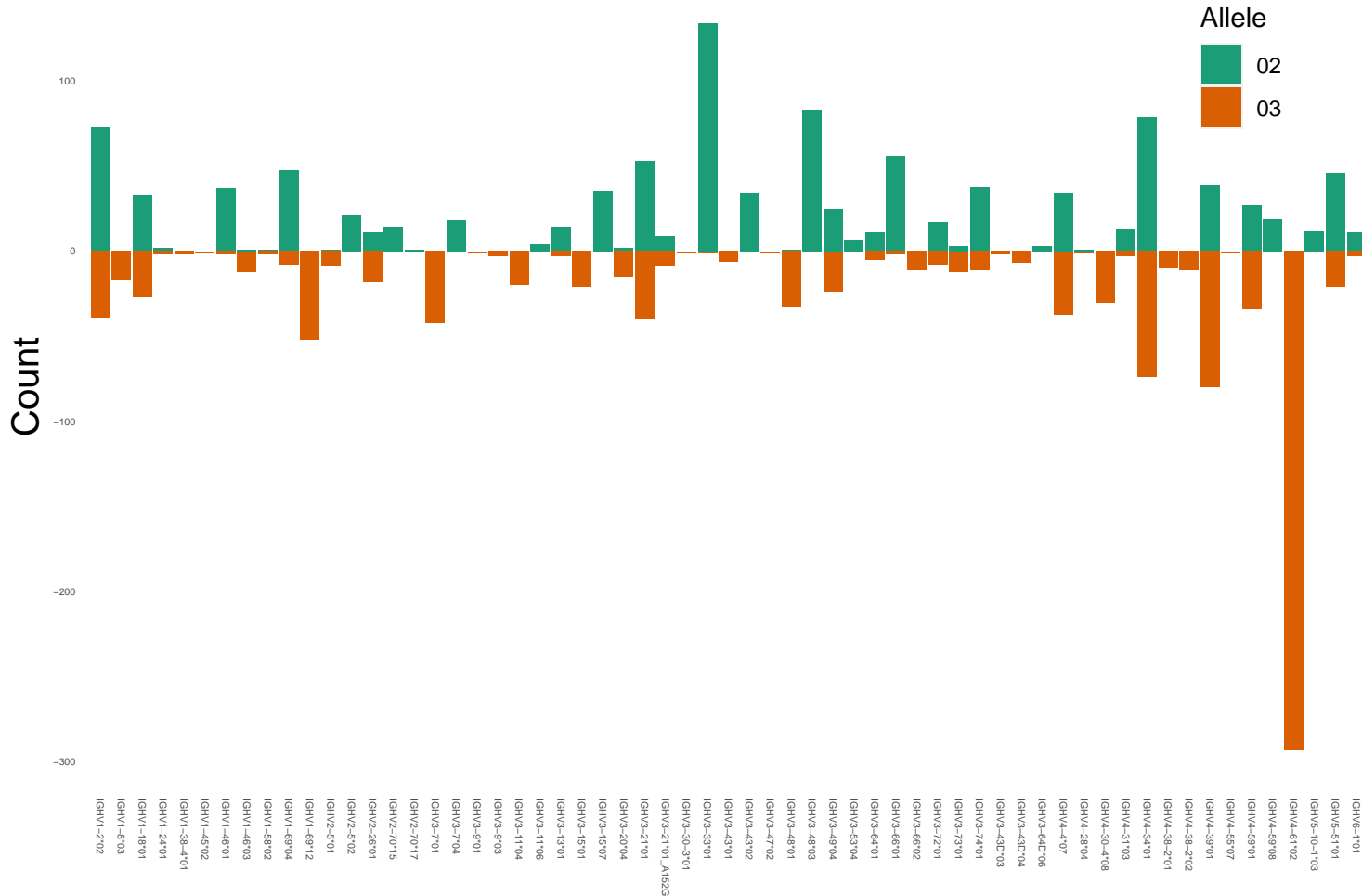
2 sequences assigned
No exact matches.



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.

Warning – no inferred sequences found.