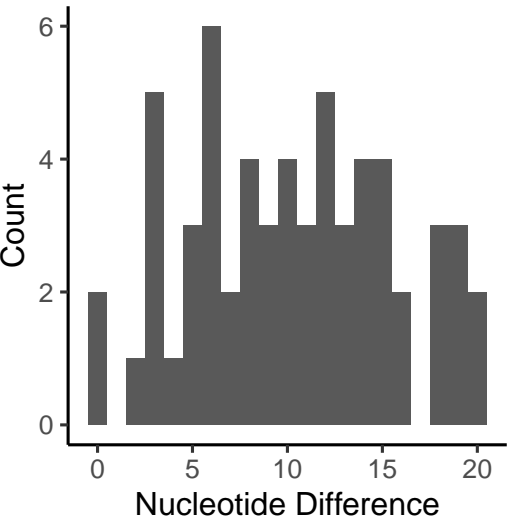


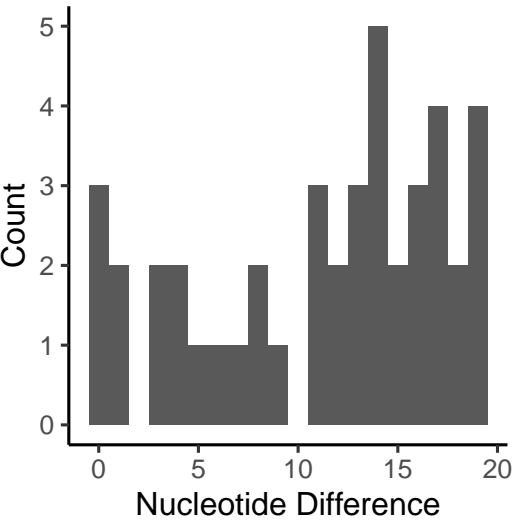
IGHV1-2*02

85 sequences assigned
2 (2.4%) exact matches, in which:
2 unique CDR3
2 unique J



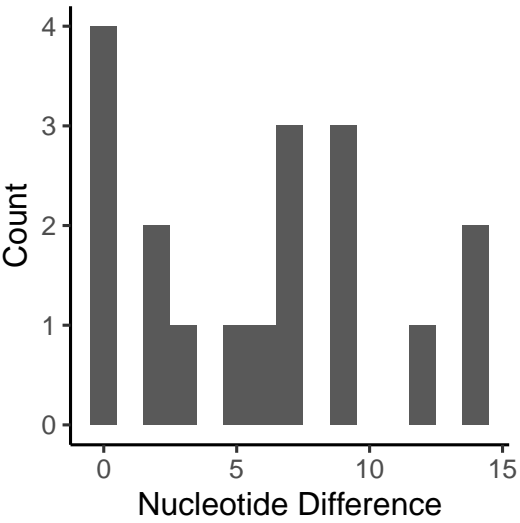
IGHV1-18*04

56 sequences assigned
3 (5.4%) exact matches, in which:
3 unique CDR3
3 unique J



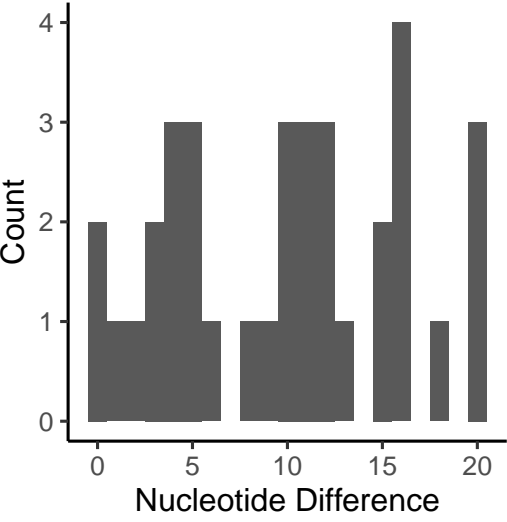
IGHV1-46*03

22 sequences assigned
4 (18.2%) exact matches, in which:
4 unique CDR3
3 unique J



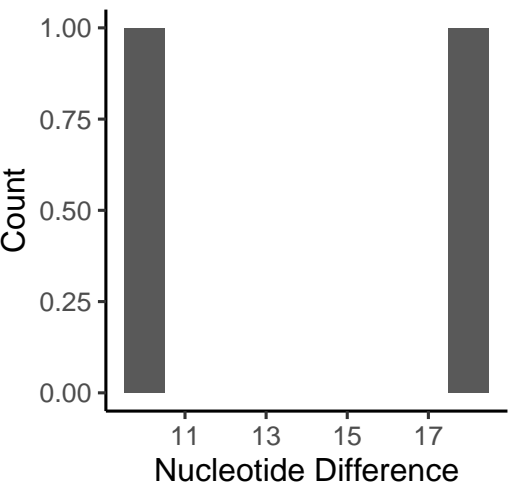
IGHV1-3*01_05

46 sequences assigned
2 (4.3%) exact matches, in which:
2 unique CDR3
2 unique J



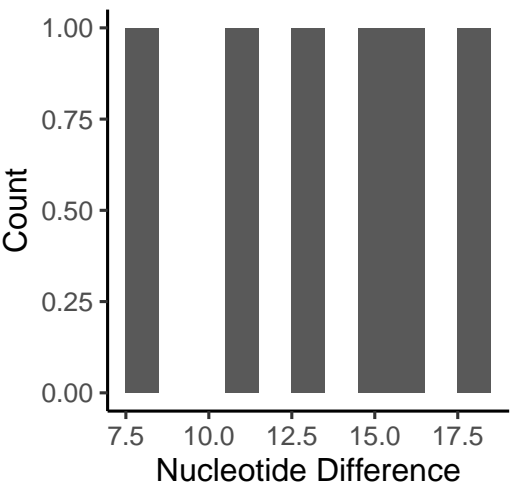
IGHV1-24*01

8 sequences assigned
No exact matches.



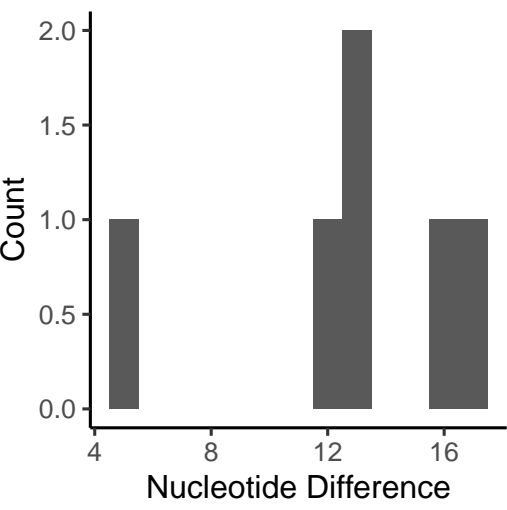
IGHV1-58*02

6 sequences assigned
No exact matches.



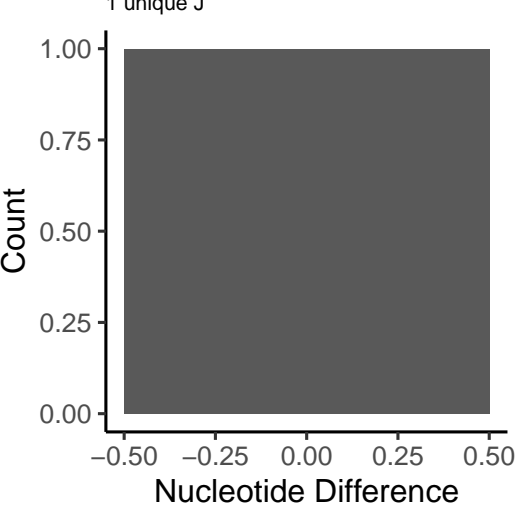
IGHV1-18*01

7 sequences assigned
No exact matches.



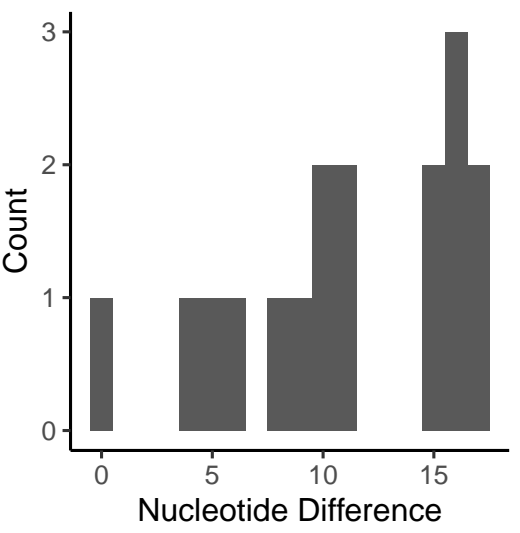
IGHV1-45*02

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



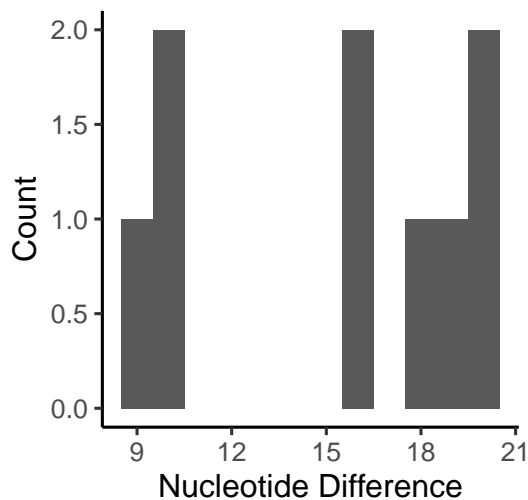
IGHV1-69*02

26 sequences assigned
1 (3.8%) exact matches, in which:
1 unique CDR3
1 unique J



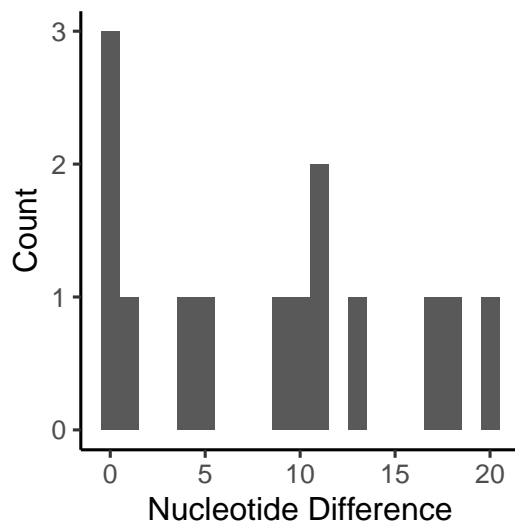
IGHV1-69*08

13 sequences assigned
No exact matches.



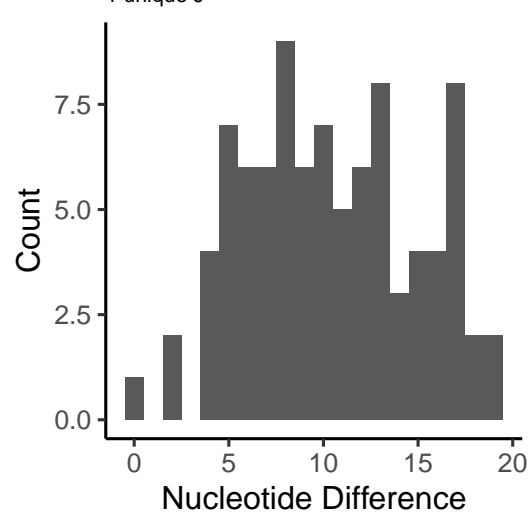
IGHV2-70*11_15

14 sequences assigned
3 (21.4%) exact matches, in which:
3 unique CDR3
2 unique J



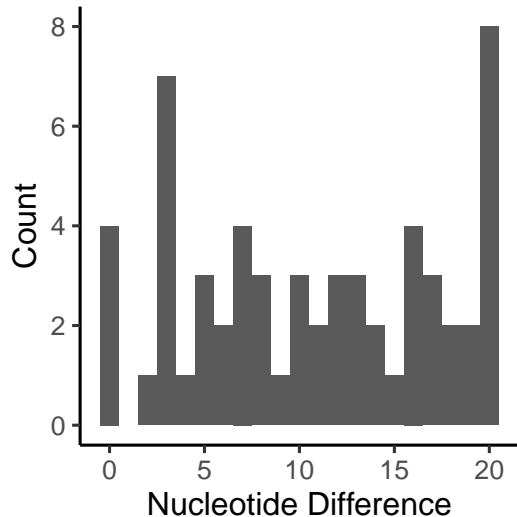
IGHV3-7*04

95 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



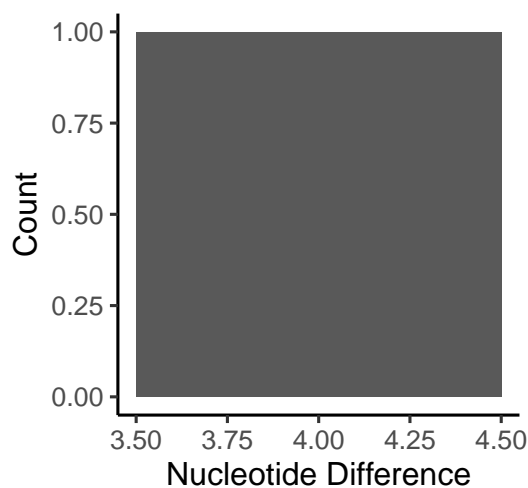
IGHV2-5*02

89 sequences assigned
4 (4.5%) exact matches, in which:
4 unique CDR3
2 unique J



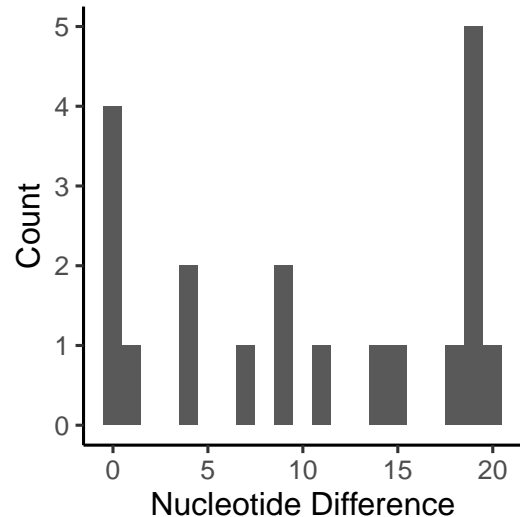
IGHV2-70D*04

1 sequences assigned
No exact matches.



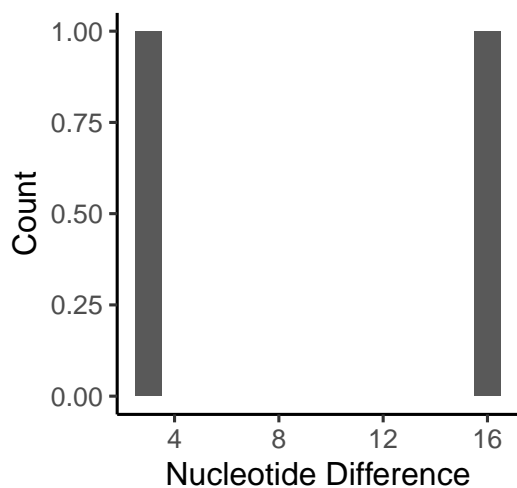
IGHV3-11*06

27 sequences assigned
4 (14.8%) exact matches, in which:
2 unique CDR3
2 unique J



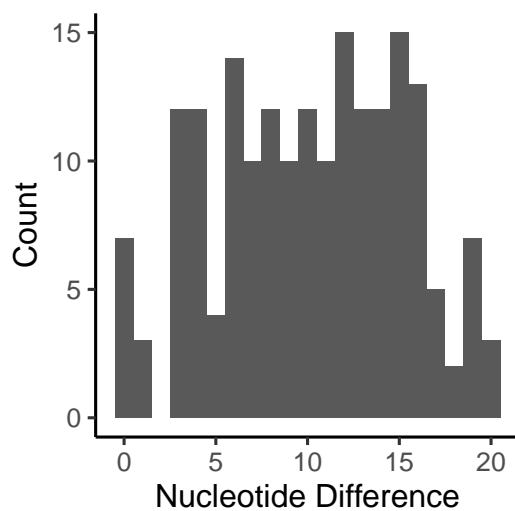
IGHV2-26*01

2 sequences assigned
No exact matches.



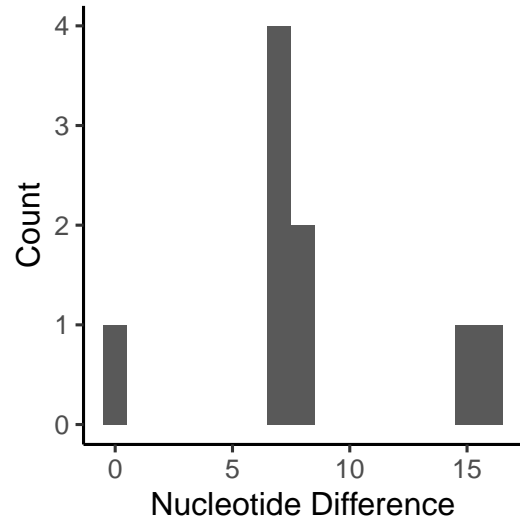
IGHV3-7*03

200 sequences assigned
7 (3.5%) exact matches, in which:
4 unique CDR3
2 unique J



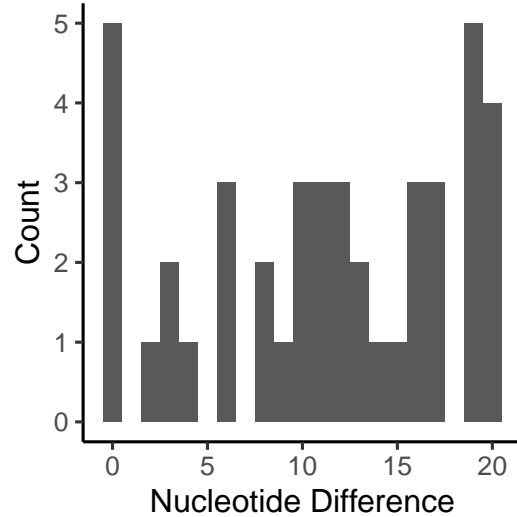
IGHV3-13*05

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



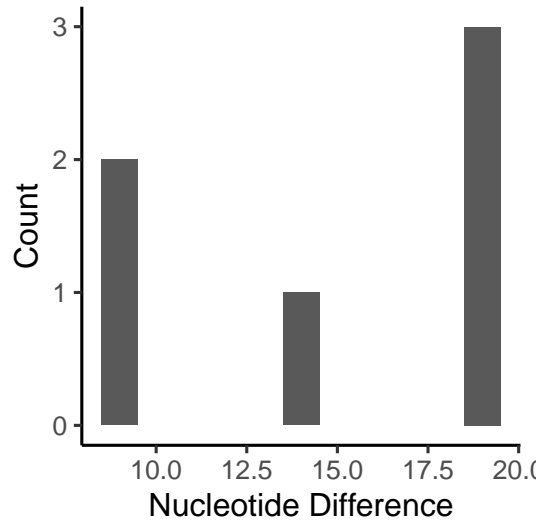
IGHV3–15*01_02

77 sequences assigned
5 (6.5%) exact matches, in which:
3 unique CDR3
3 unique J



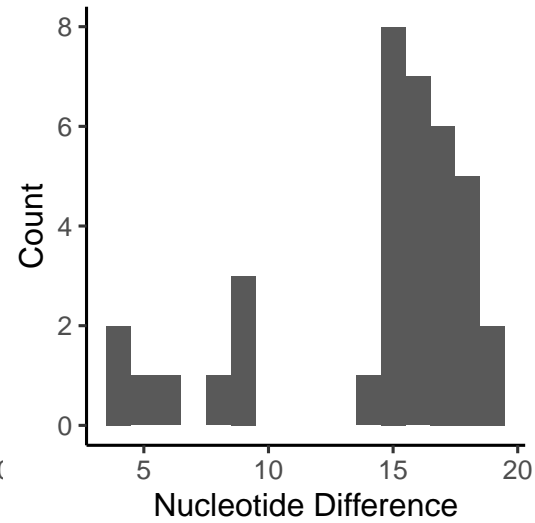
IGHV3–43*01

6 sequences assigned
No exact matches.



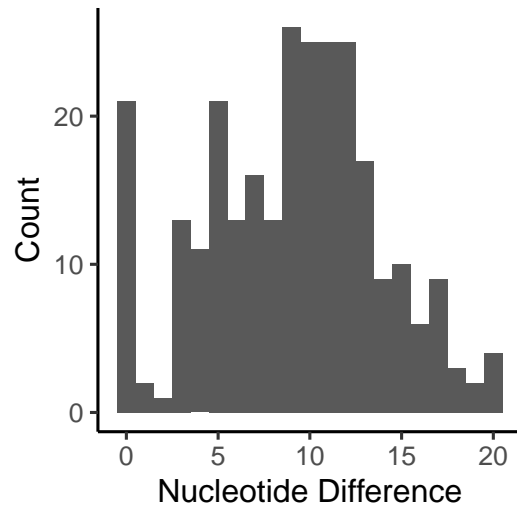
IGHV3–49*04

45 sequences assigned
No exact matches.



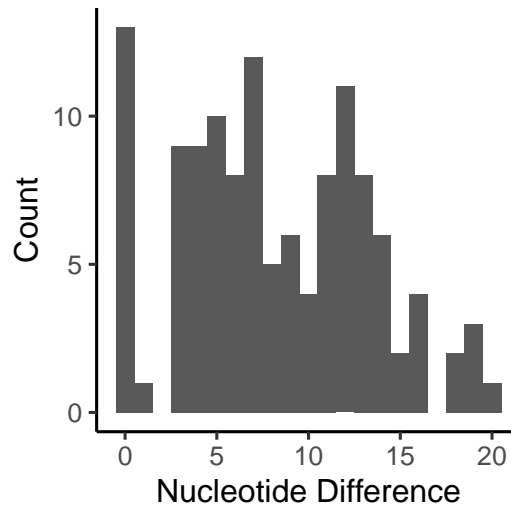
IGHV3–21*01_02

298 sequences assigned
21 (7%) exact matches, in which:
14 unique CDR3
2 unique J



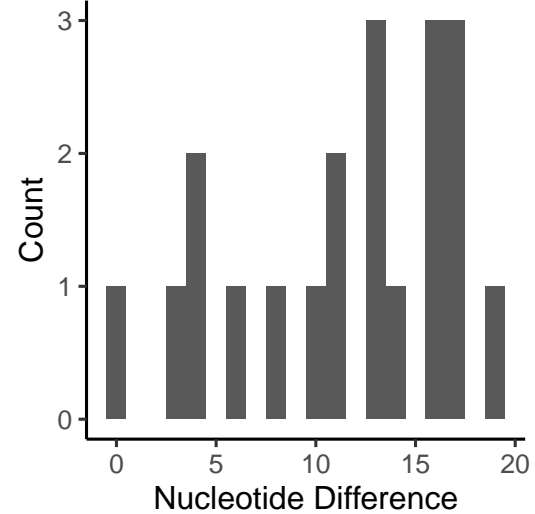
IGHV3–48*01

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



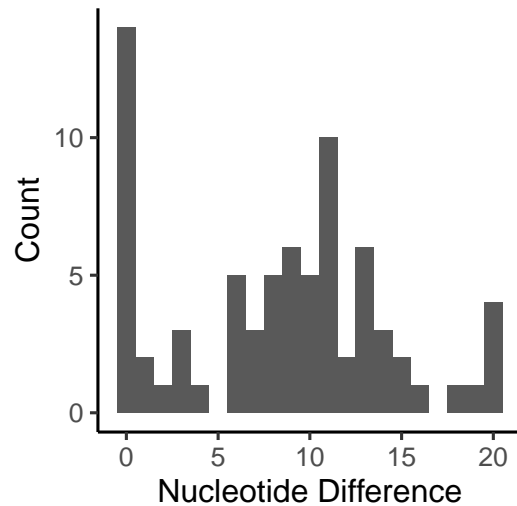
IGHV3–49*03_05

23 sequences assigned
1 (4.3%) exact matches, in which:
1 unique CDR3
1 unique J



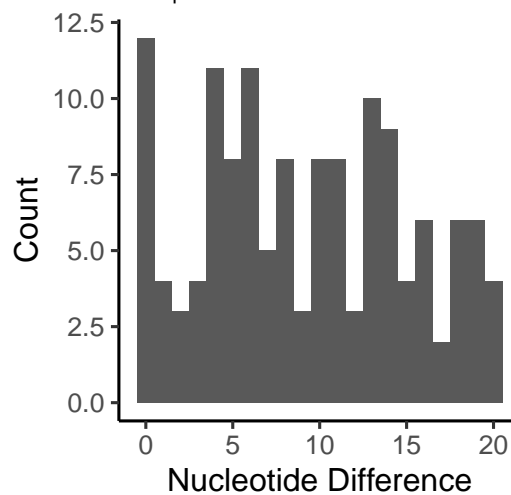
IGHV3–33*01

91 sequences assigned
14 (15.4%) exact matches, in which:
10 unique CDR3
5 unique J



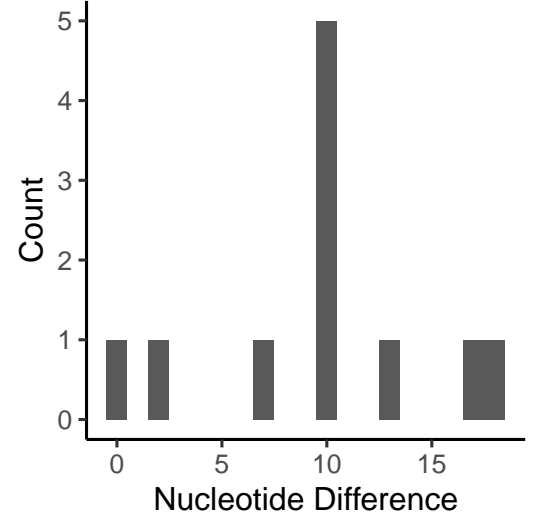
IGHV3–48*02

159 sequences assigned
12 (7.5%) exact matches, in which:
6 unique CDR3
3 unique J



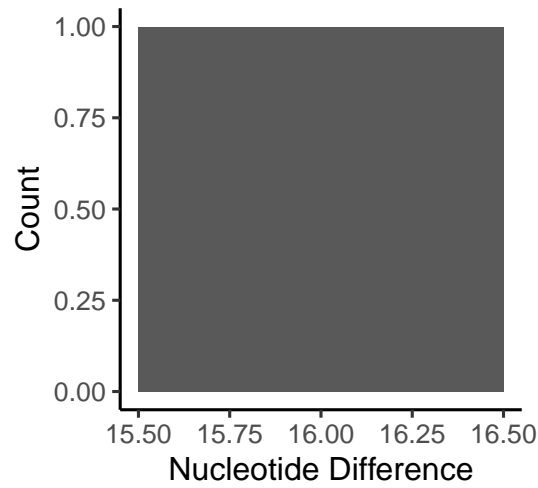
IGHV3–53*04

11 sequences assigned
1 (9.1%) exact matches, in which:
1 unique CDR3
1 unique J



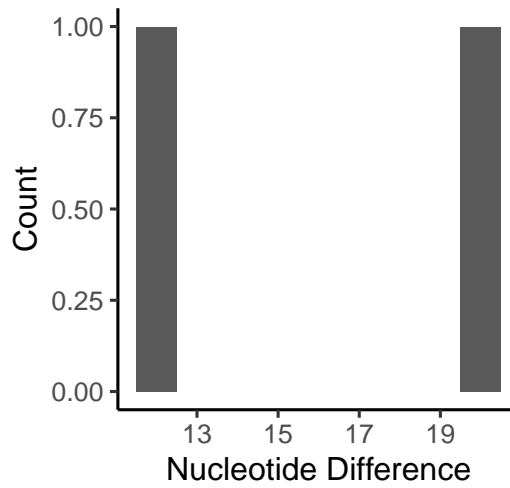
IGHV3-53*05

4 sequences assigned
No exact matches.



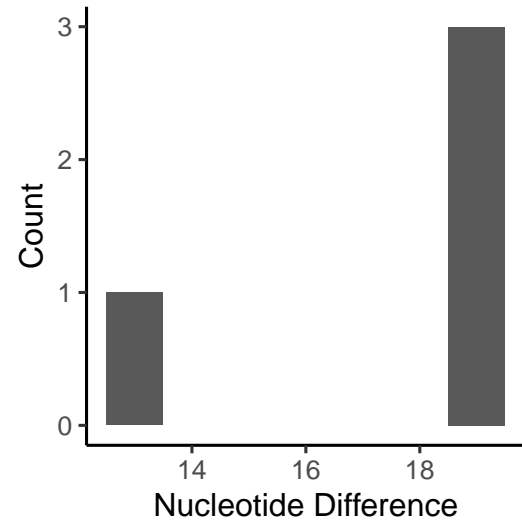
IGHV3-64*02_07

7 sequences assigned
No exact matches.



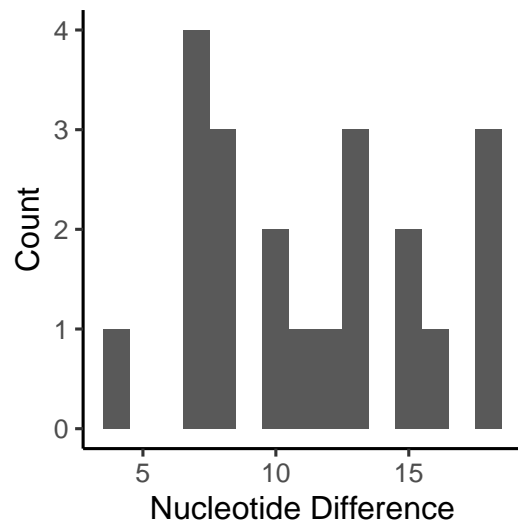
IGHV3-69-1*01

6 sequences assigned
No exact matches.



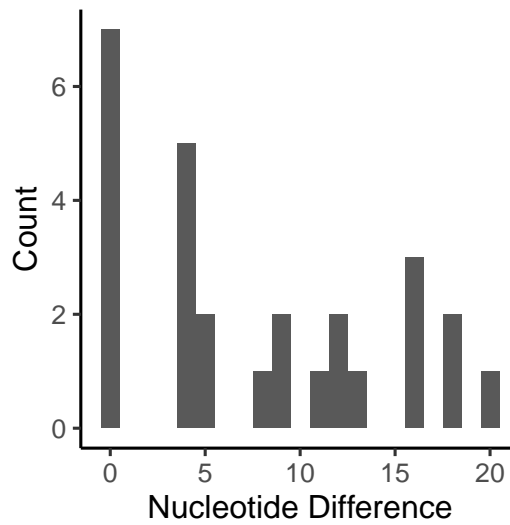
IGHV3-53*01_02

33 sequences assigned
No exact matches.



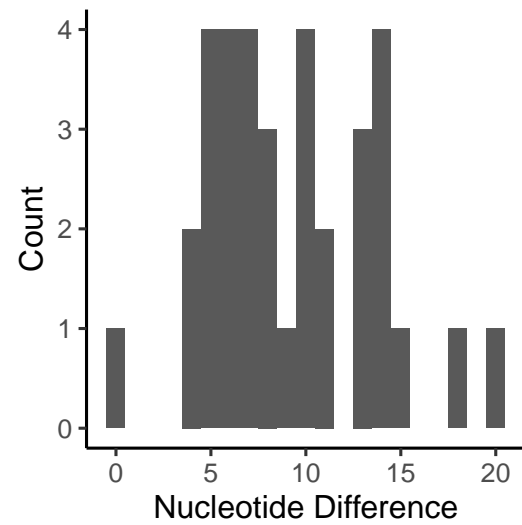
IGHV3-66*01

30 sequences assigned
7 (23.3%) exact matches, in which:
4 unique CDR3
1 unique J



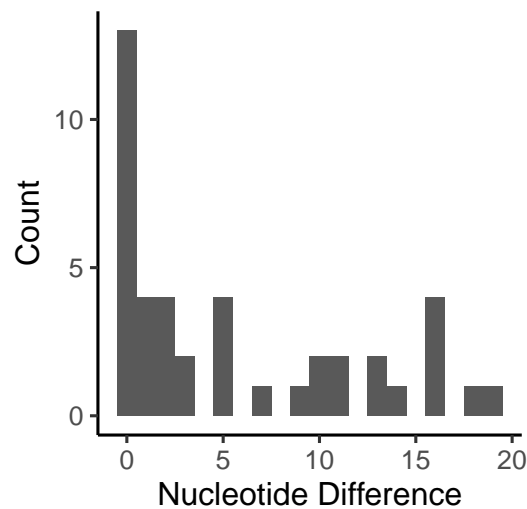
IGHV3-72*01

39 sequences assigned
1 (2.6%) exact matches, in which:
1 unique CDR3
0 unique J



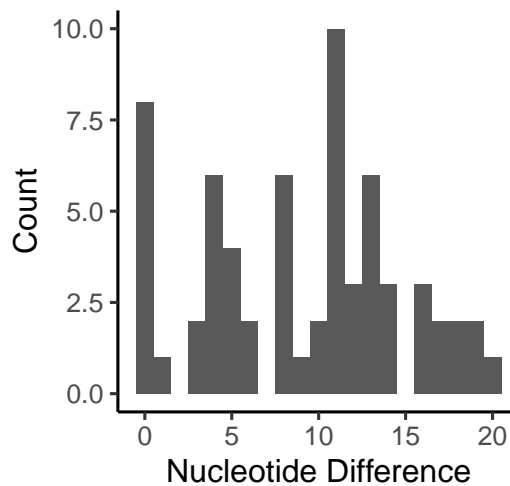
IGHV3-64*01

42 sequences assigned
13 (31%) exact matches, in which:
8 unique CDR3
3 unique J



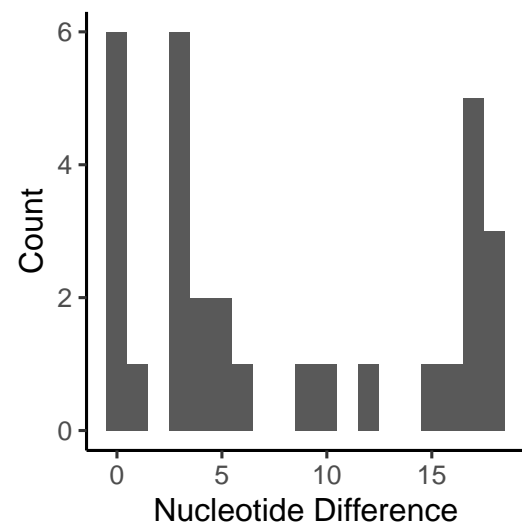
IGHV3-66*02

78 sequences assigned
8 (10.3%) exact matches, in which:
3 unique CDR3
2 unique J



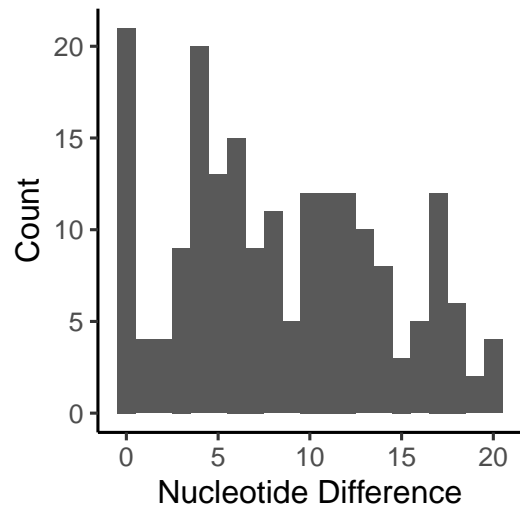
IGHV3-73*01_02

36 sequences assigned
6 (16.7%) exact matches, in which:
3 unique CDR3
2 unique J



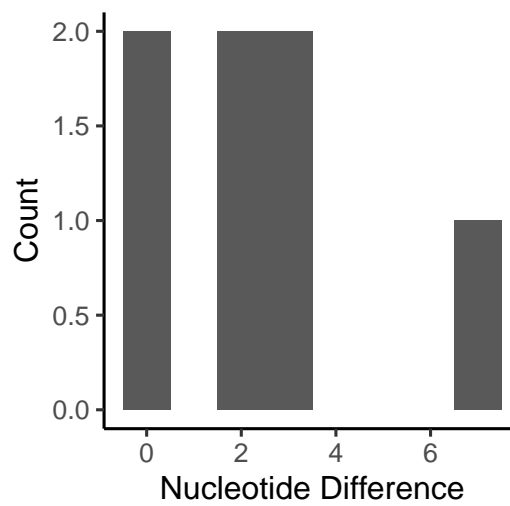
IGHV3-74*01_02

235 sequences assigned
21 (8.9%) exact matches, in which:
12 unique CDR3
5 unique J



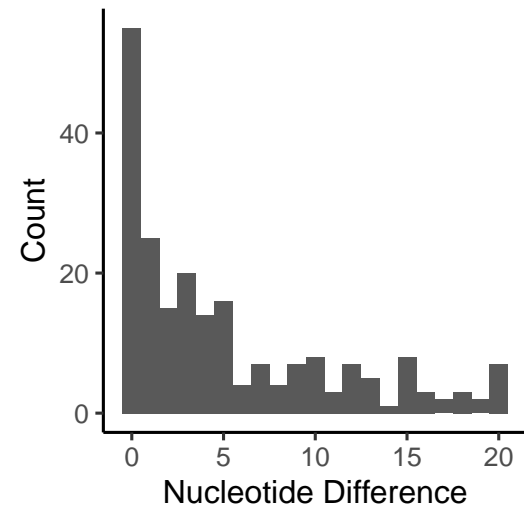
IGHV4-30-2*01

7 sequences assigned
2 (28.6%) exact matches, in which:
1 unique CDR3
1 unique J



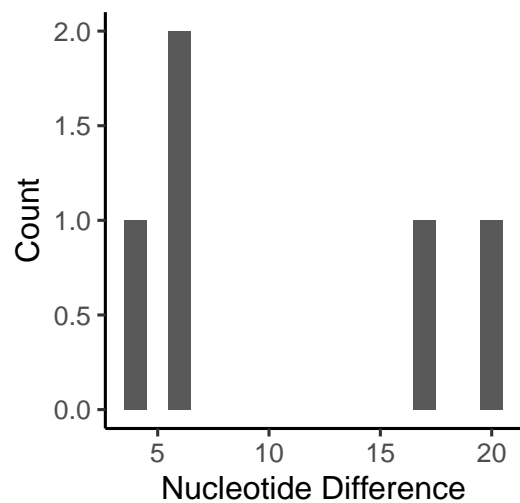
IGHV4-34*01_02

249 sequences assigned
55 (22.1%) exact matches, in which:
38 unique CDR3
4 unique J



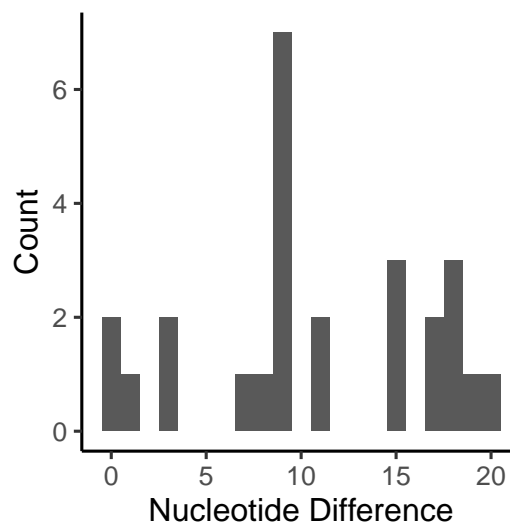
IGHV3-43D*03

5 sequences assigned
No exact matches.



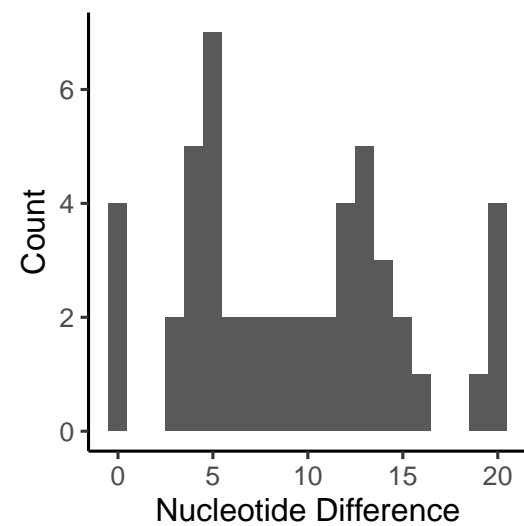
IGHV4-30-4*07

34 sequences assigned
2 (5.9%) exact matches, in which:
2 unique CDR3
2 unique J



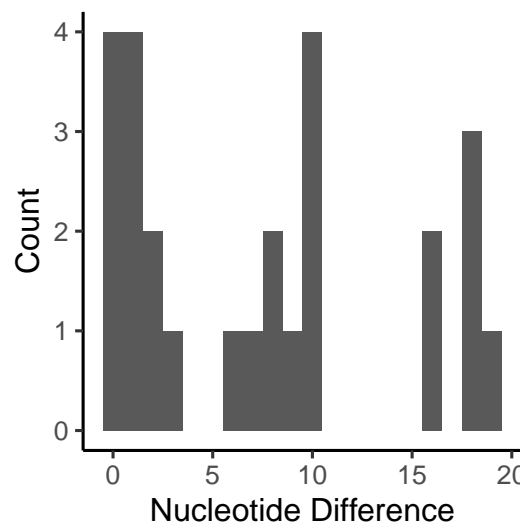
IGHV4-38-2*02

68 sequences assigned
4 (5.9%) exact matches, in which:
3 unique CDR3
1 unique J



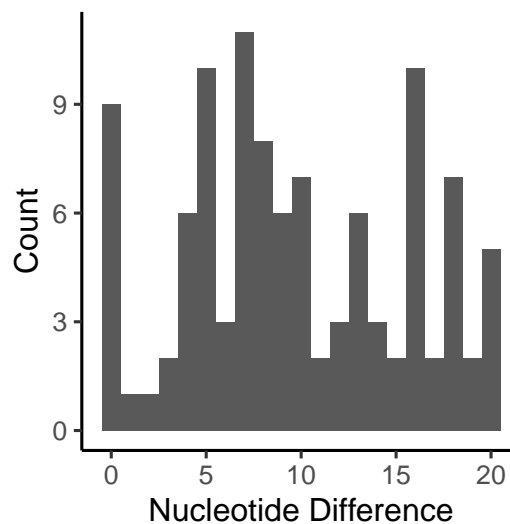
IGHV3-64D*06

38 sequences assigned
4 (10.5%) exact matches, in which:
3 unique CDR3
1 unique J



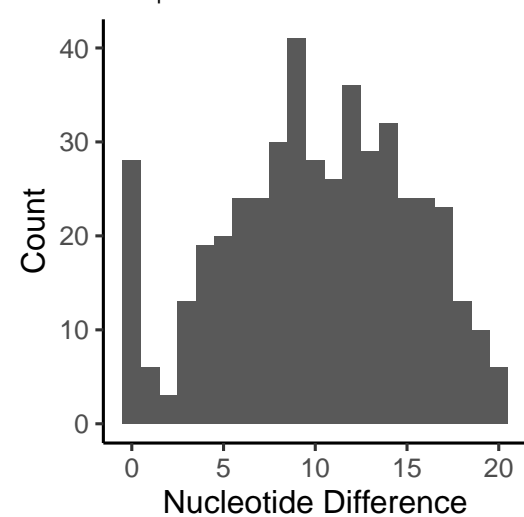
IGHV4-31*03_04

134 sequences assigned
9 (6.7%) exact matches, in which:
7 unique CDR3
2 unique J



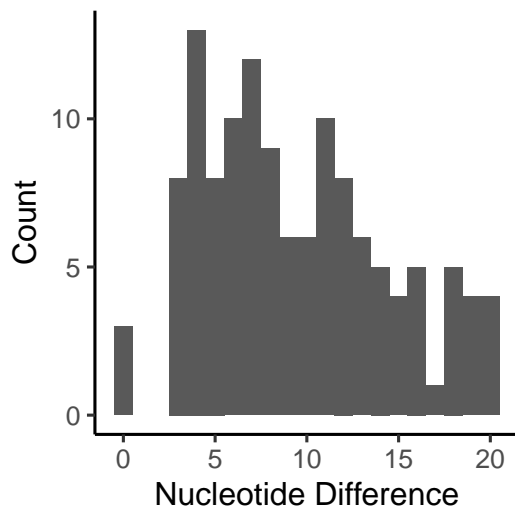
IGHV4-39*01_05

537 sequences assigned
28 (5.2%) exact matches, in which:
18 unique CDR3
4 unique J



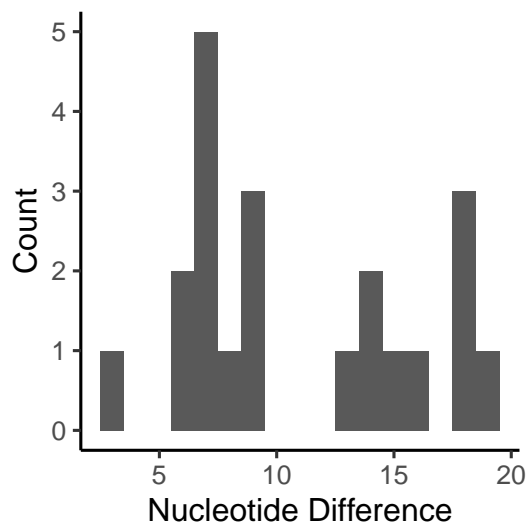
IGHV4–59*08

143 sequences assigned
3 (2.1%) exact matches, in which:
2 unique CDR3
1 unique J



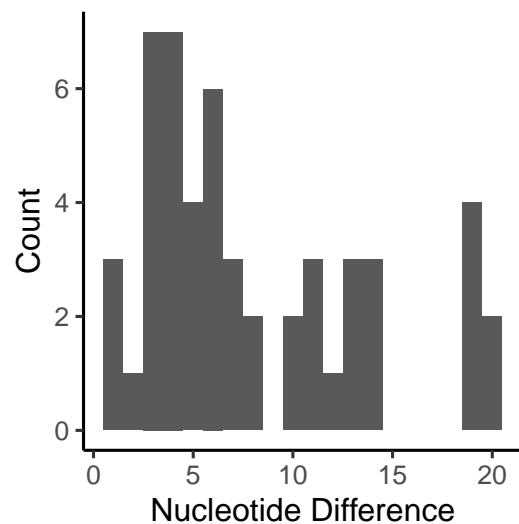
IGHV4–61*09

30 sequences assigned
No exact matches.



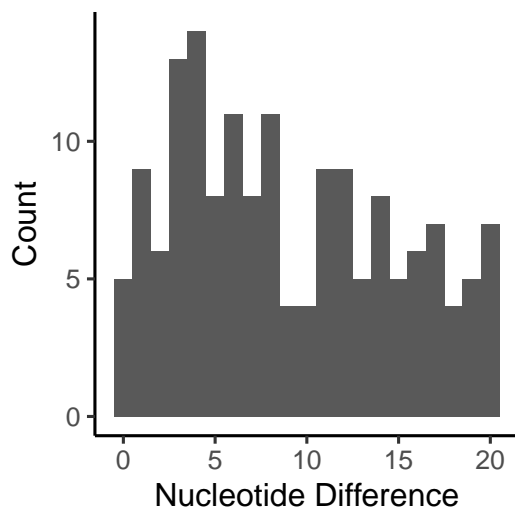
IGHV6–1*01_02

57 sequences assigned
No exact matches.



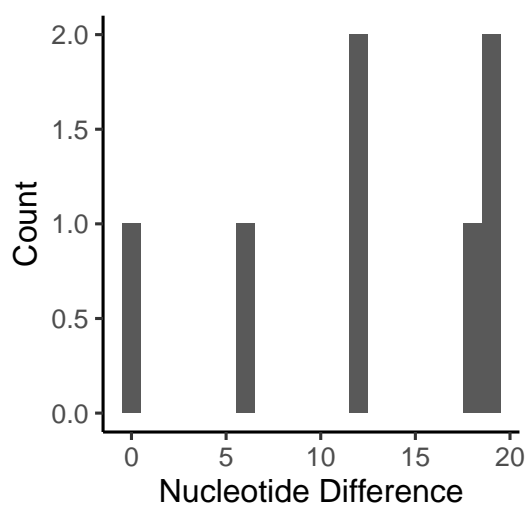
IGHV4–59*01_07

218 sequences assigned
5 (2.3%) exact matches, in which:
4 unique CDR3
3 unique J



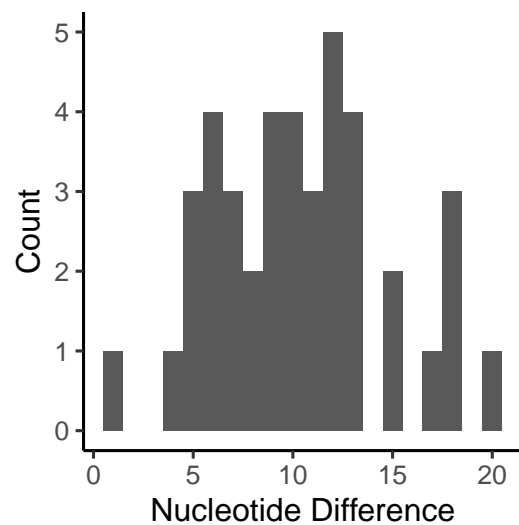
IGHV5–10–1*01_03

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



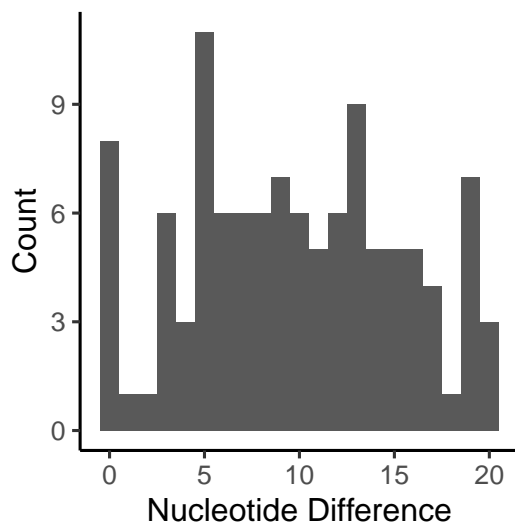
IGHV7–4–1*02

53 sequences assigned
No exact matches.



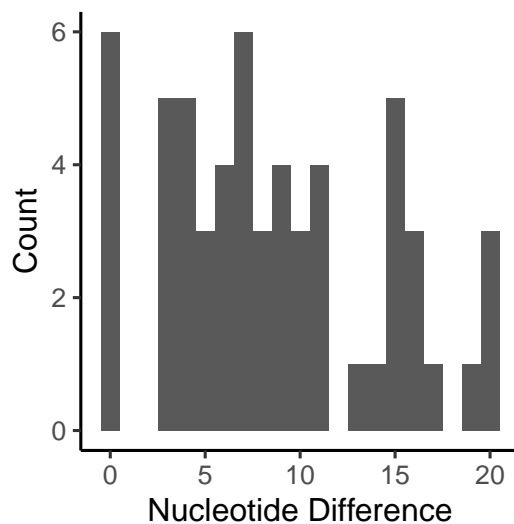
IGHV4–61*02

148 sequences assigned
8 (5.4%) exact matches, in which:
7 unique CDR3
4 unique J

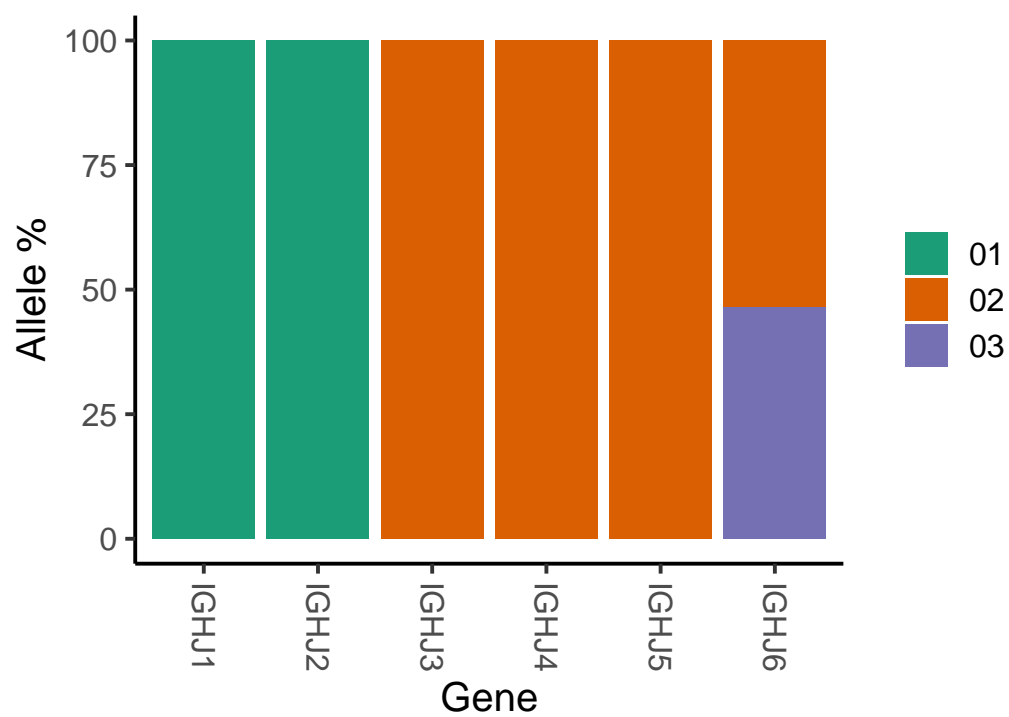


IGHV5–51*01_03

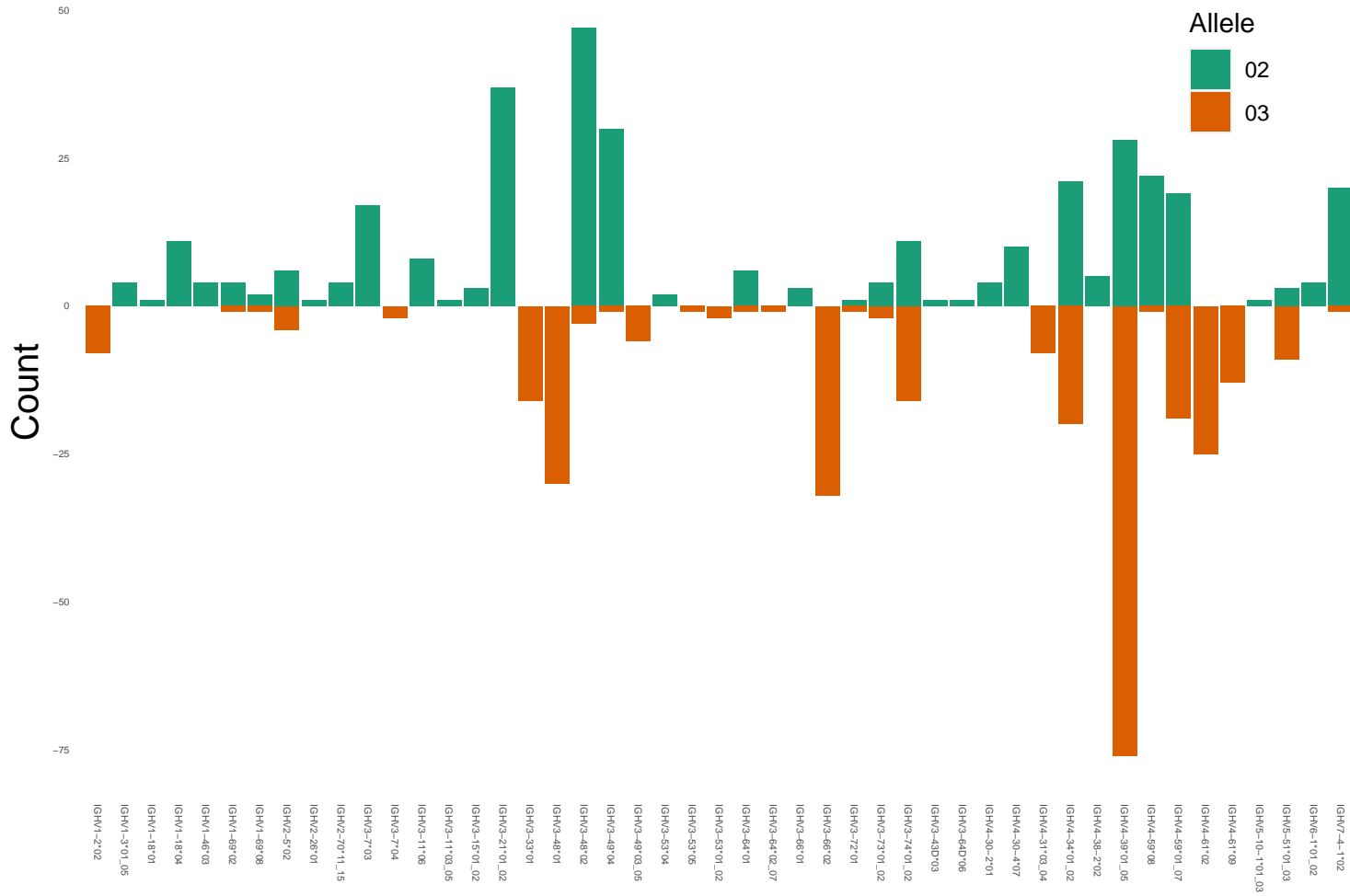
66 sequences assigned
6 (9.1%) exact matches, in which:
6 unique CDR3
4 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.