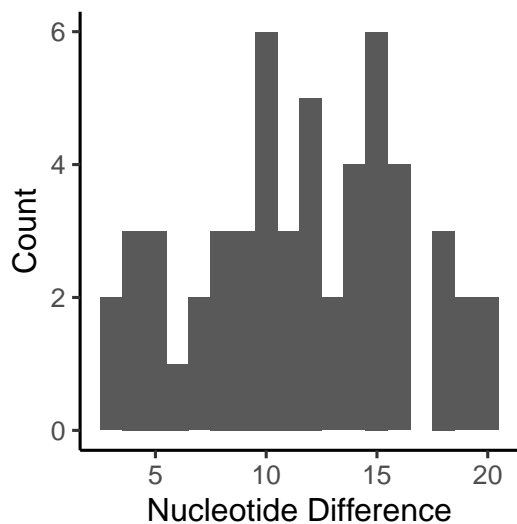


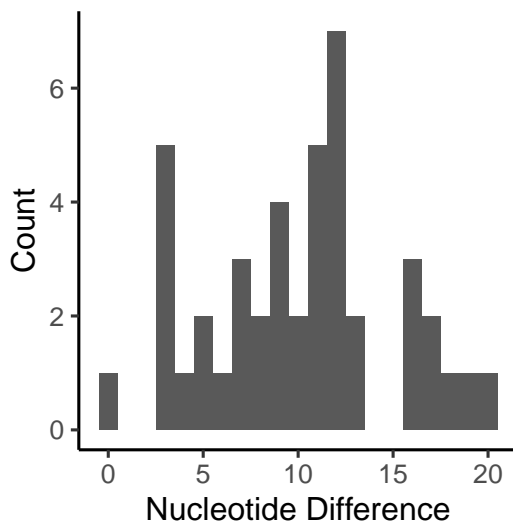
IGHV1-2*02

78 sequences assigned
No exact matches.



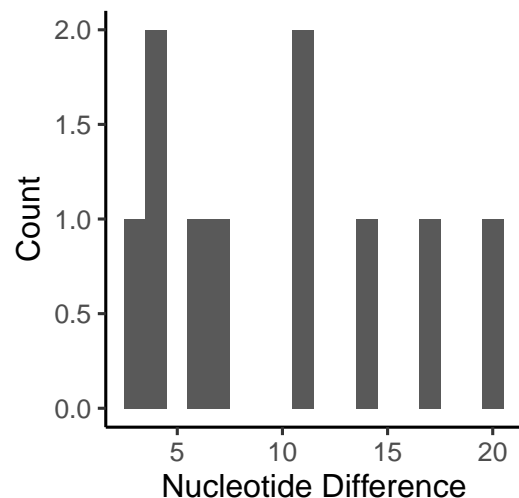
IGHV1-8*01

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



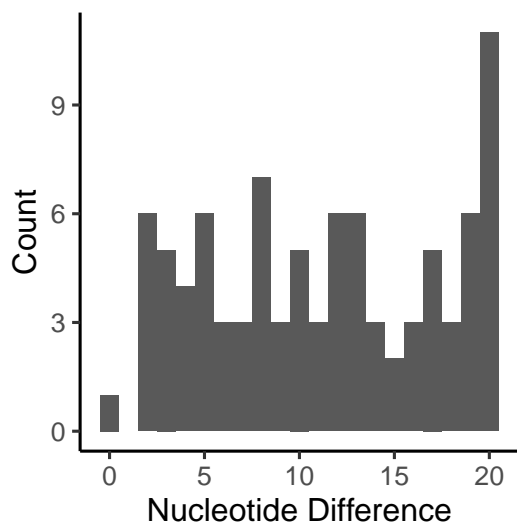
IGHV1-24*01

12 sequences assigned
No exact matches.



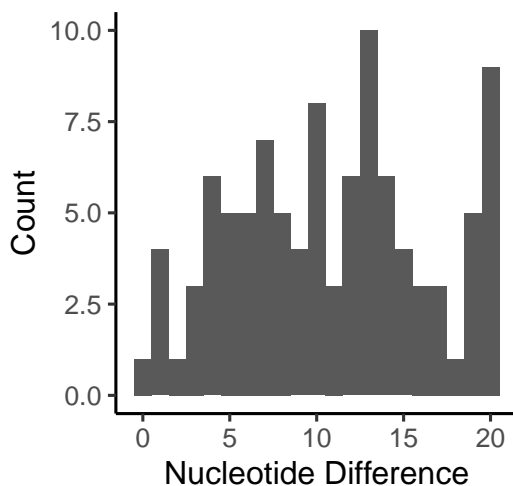
IGHV1-2*06

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



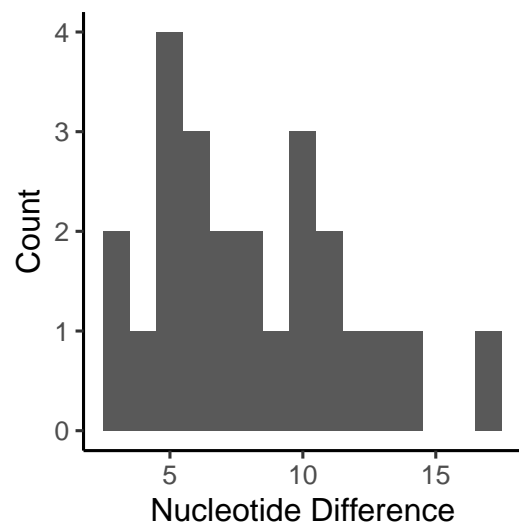
IGHV1-18*01

127 sequences assigned
1 (0.8%) exact matches, in which:
1 unique CDR3
1 unique J



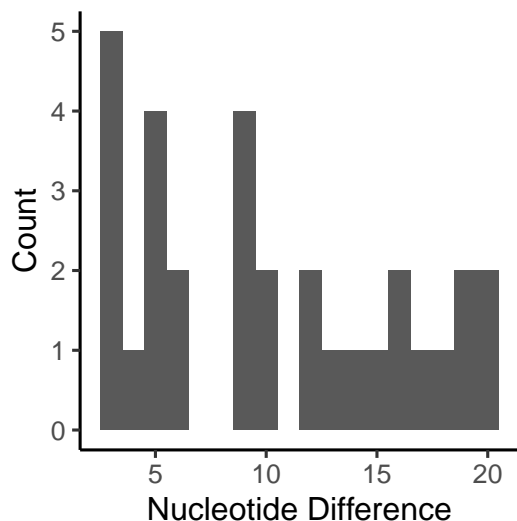
IGHV1-46*01

33 sequences assigned
No exact matches.



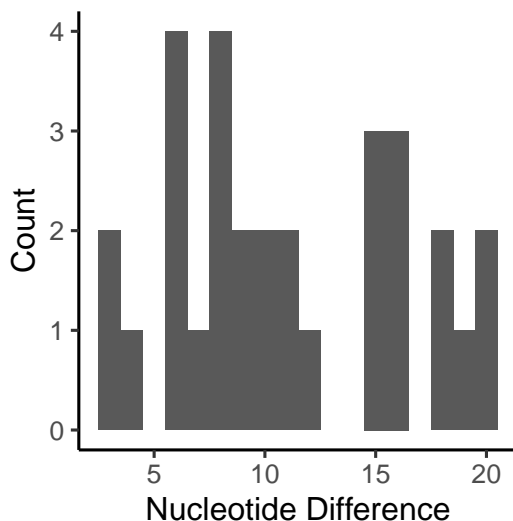
IGHV1-3*01_05

36 sequences assigned
No exact matches.



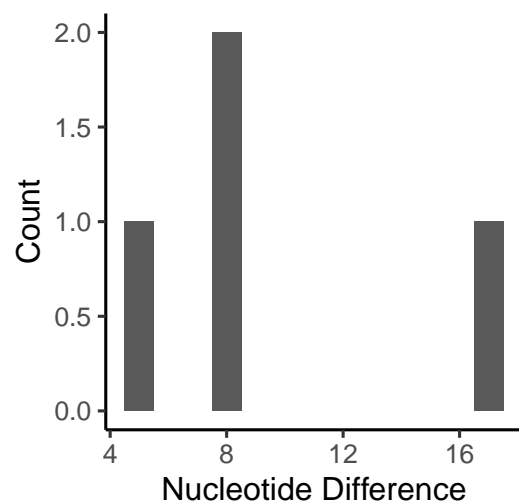
IGHV1-18*04

32 sequences assigned
No exact matches.



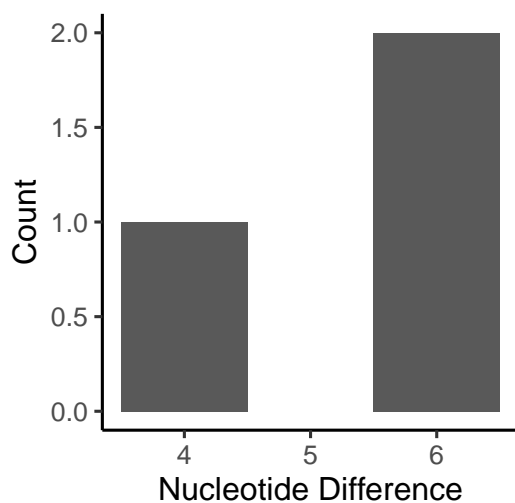
IGHV1-46*02

4 sequences assigned
No exact matches.



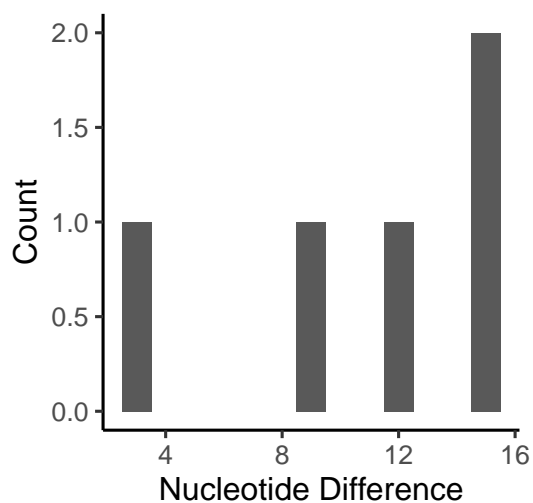
IGHV1-58*02

4 sequences assigned
No exact matches.



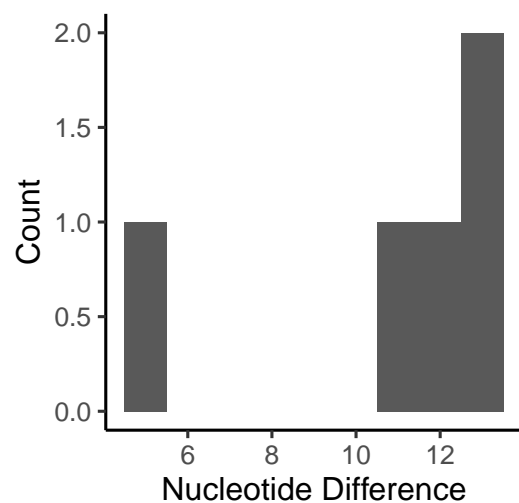
IGHV1-69*02

18 sequences assigned
No exact matches.



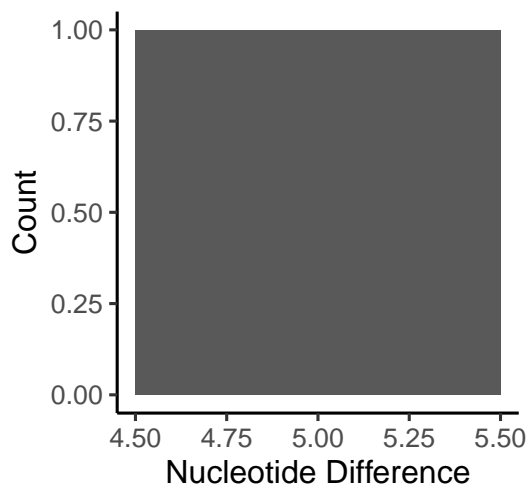
IGHV1-69*06_14

5 sequences assigned
No exact matches.



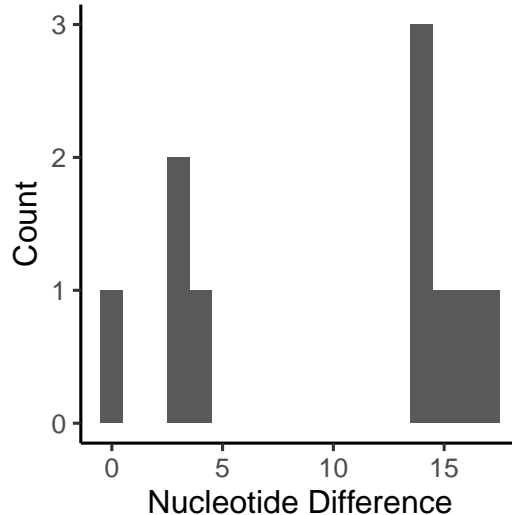
IGHV1-58*01_03

1 sequences assigned
No exact matches.



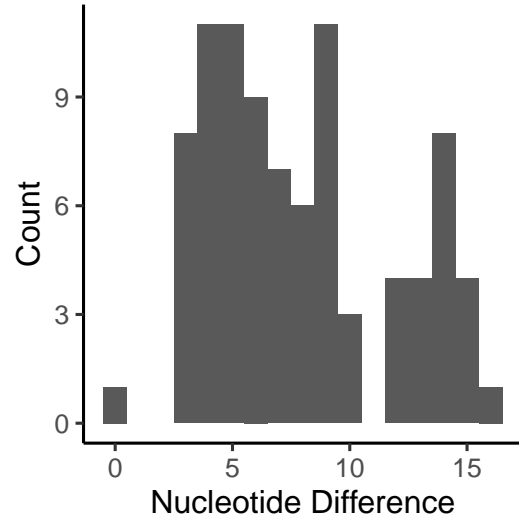
IGHV1-69*01_12_13

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



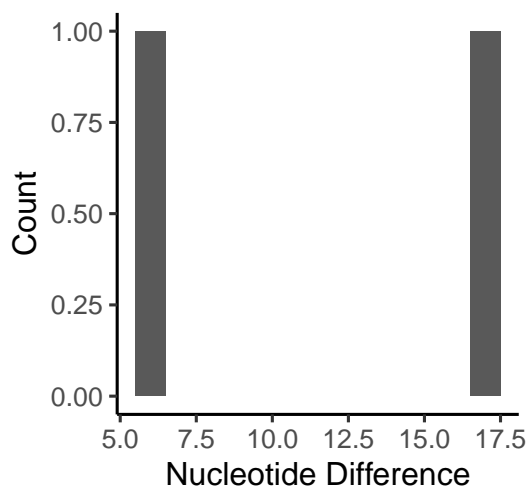
IGHV2-5*02

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



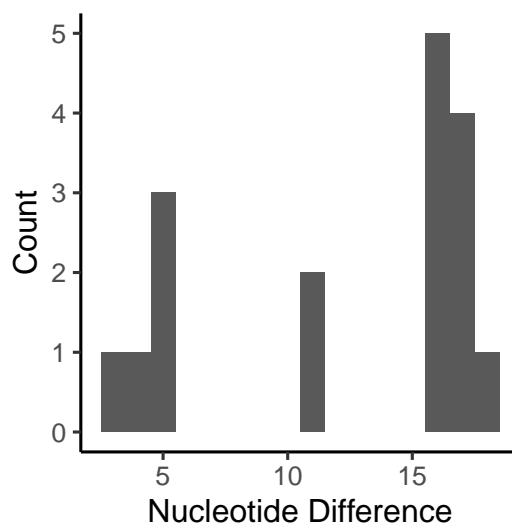
IGHV1-69-2*01

2 sequences assigned
No exact matches.



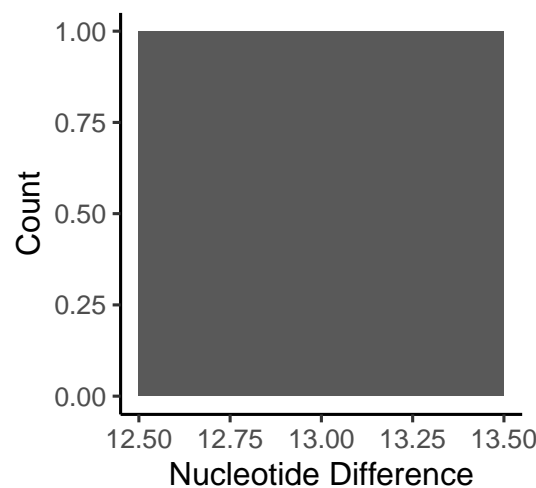
IGHV1-69*17

19 sequences assigned
No exact matches.



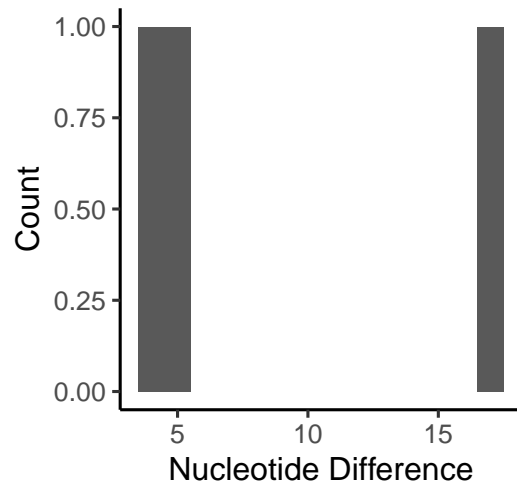
IGHV2-26*01

1 sequences assigned
No exact matches.



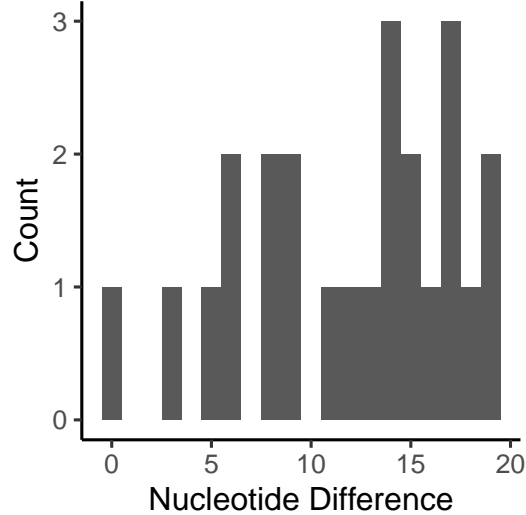
IGHV2-70*01

3 sequences assigned
No exact matches.



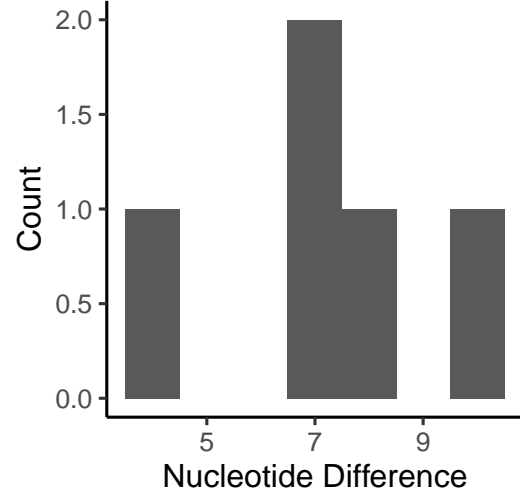
IGHV3-9*01

30 sequences assigned
1 (3.3%) exact matches, in which:
1 unique CDR3
1 unique J



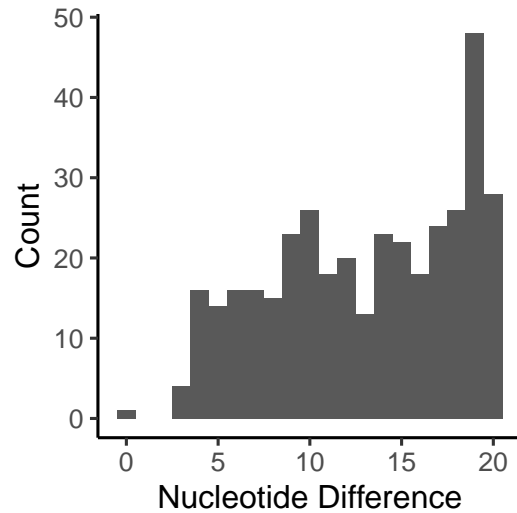
IGHV3-13*01

5 sequences assigned
No exact matches.



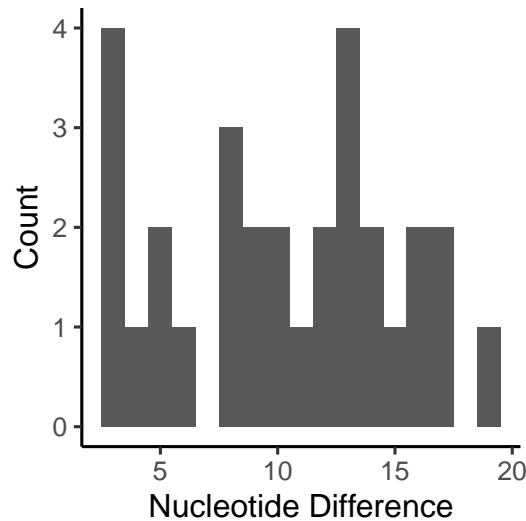
IGHV3-7*01

496 sequences assigned
1 (0.2%) exact matches, in which:
1 unique CDR3
1 unique J



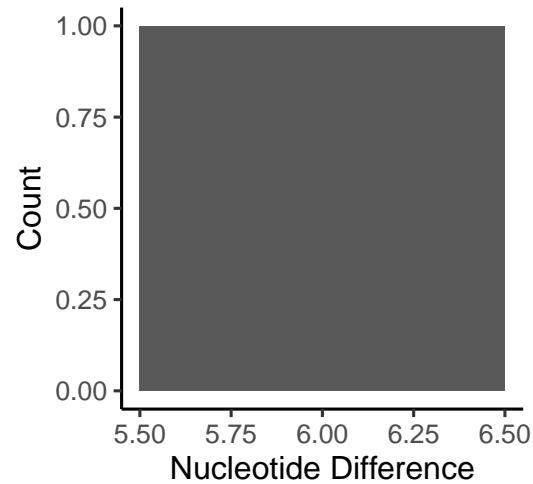
IGHV3-11*01

32 sequences assigned
No exact matches.



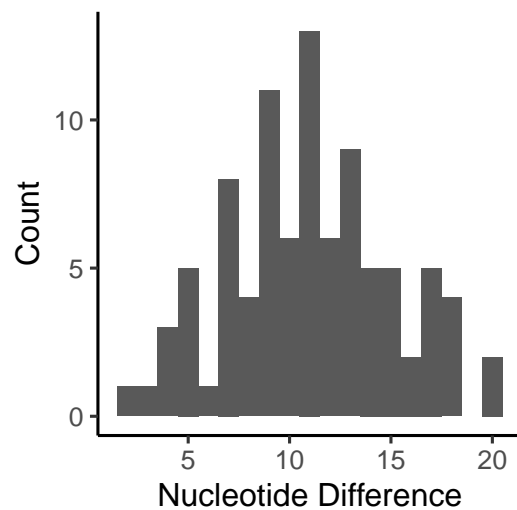
IGHV3-13*05

1 sequences assigned
No exact matches.



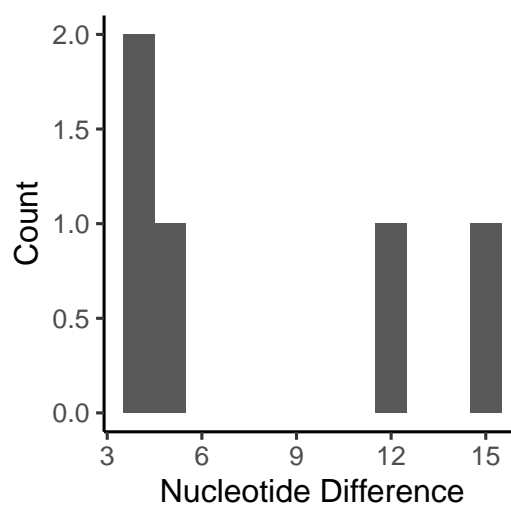
IGHV3-7*03

101 sequences assigned
No exact matches.



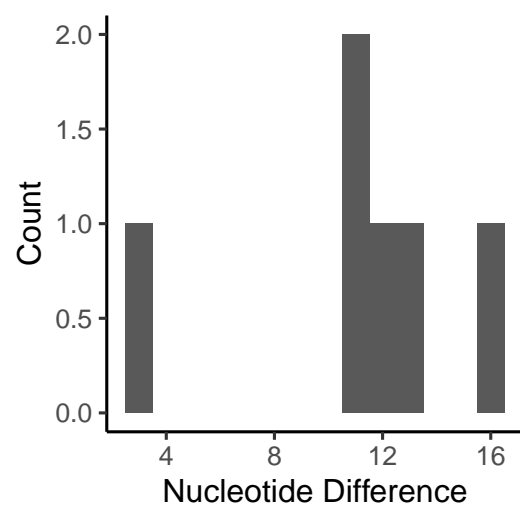
IGHV3-11*06

11 sequences assigned
No exact matches.



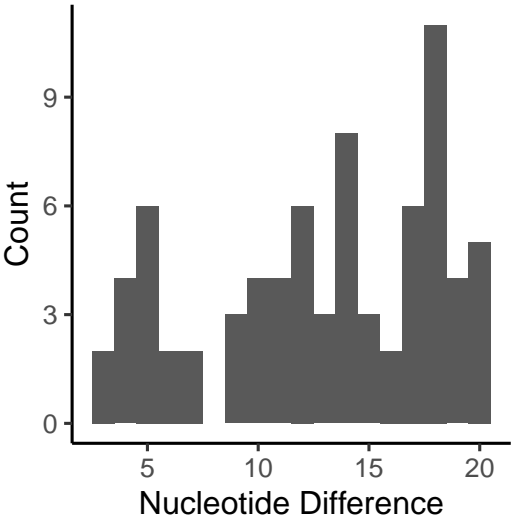
IGHV3-15*07

6 sequences assigned
No exact matches.



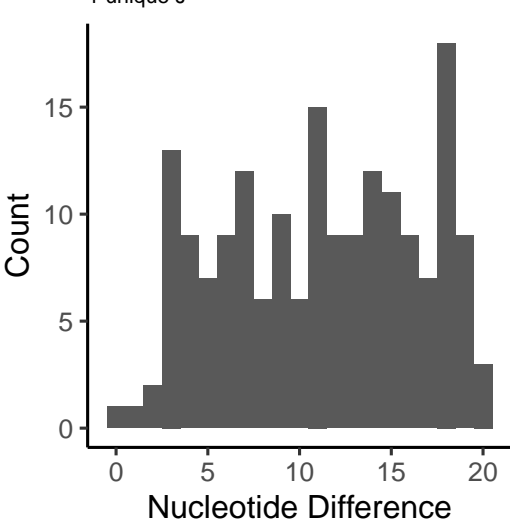
IGHV3-15*01_02

89 sequences assigned
No exact matches.



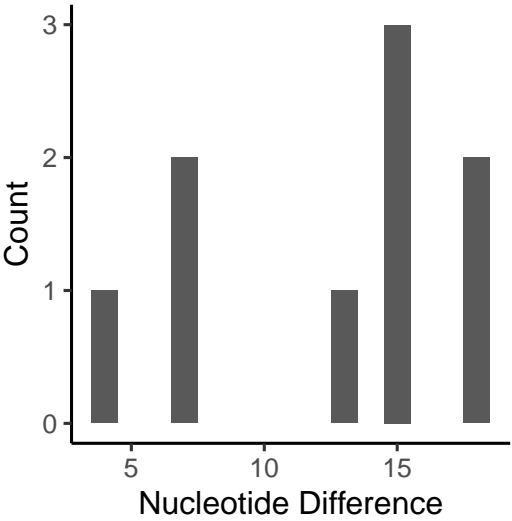
IGHV3-21*01_02

212 sequences assigned
1 (0.5%) exact matches, in which:
1 unique CDR3
1 unique J



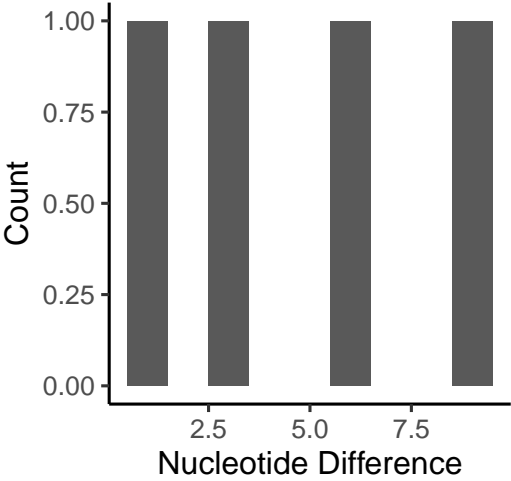
IGHV3-30*03

15 sequences assigned
No exact matches.



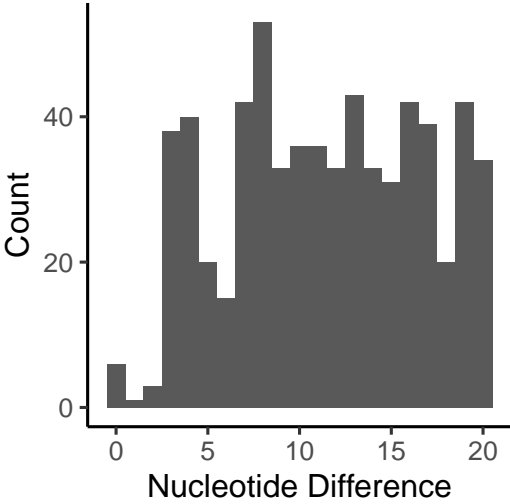
IGHV3-20*01_02

4 sequences assigned
No exact matches.



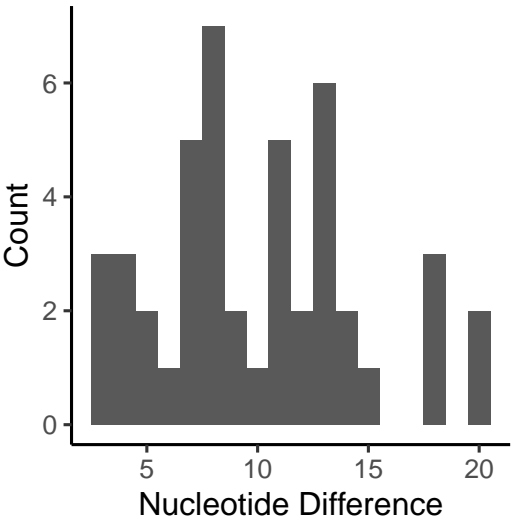
IGHV3-23*01_04

793 sequences assigned
6 (0.8%) exact matches, in which:
5 unique CDR3
4 unique J



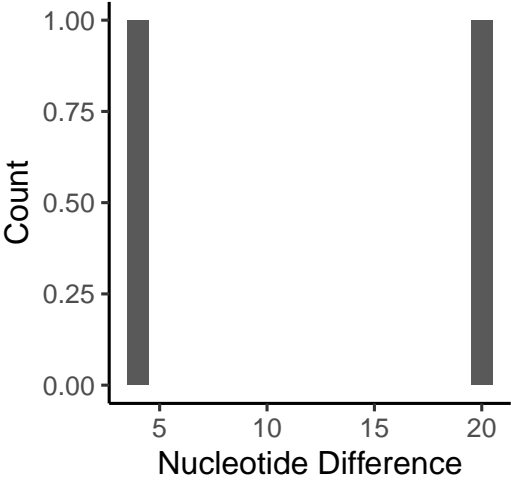
IGHV3-33*01

50 sequences assigned
No exact matches.



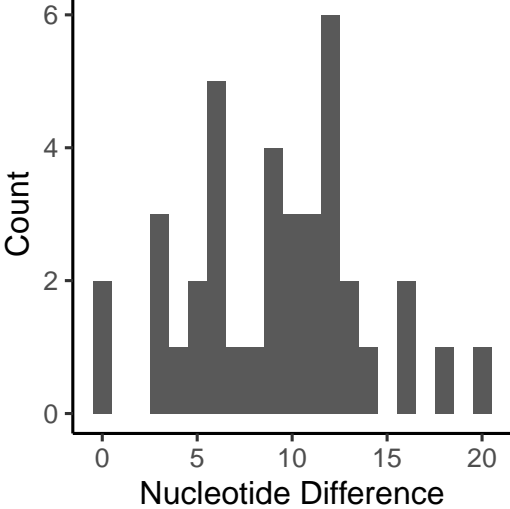
IGHV3-20*03_04

2 sequences assigned
No exact matches.



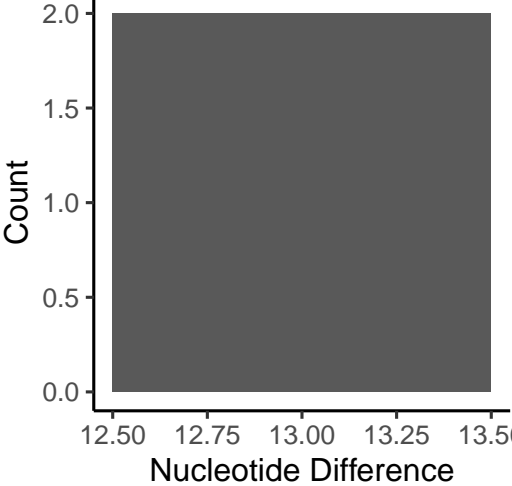
IGHV3-30-3*01

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



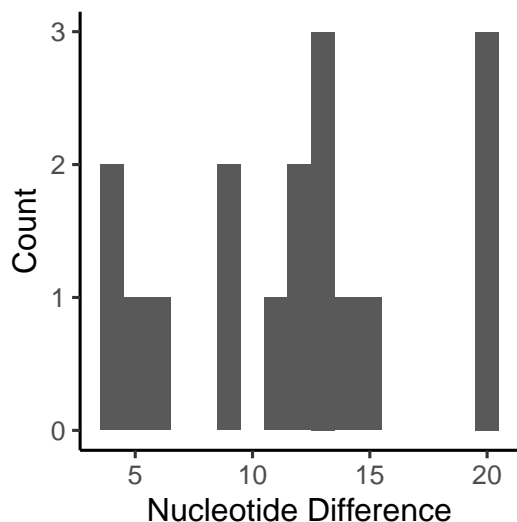
IGHV3-43*01

2 sequences assigned
No exact matches.



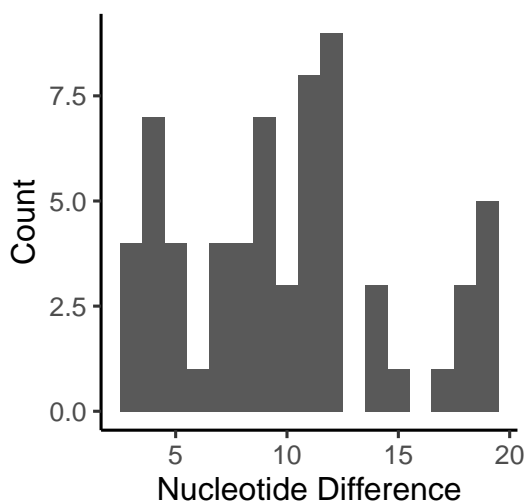
IGHV3-43*02

18 sequences assigned
No exact matches.



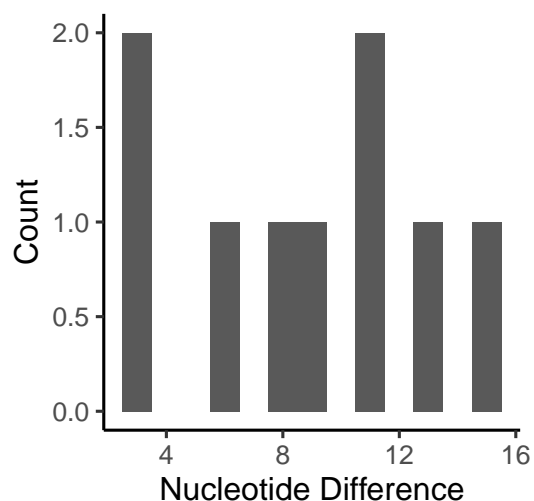
IGHV3-48*03

81 sequences assigned
No exact matches.



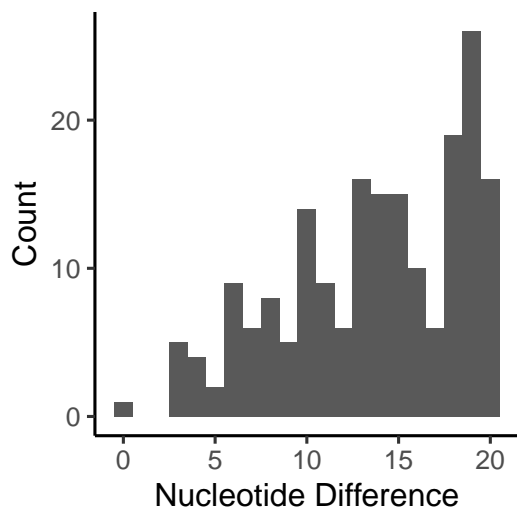
IGHV3-49*03_05

9 sequences assigned
No exact matches.



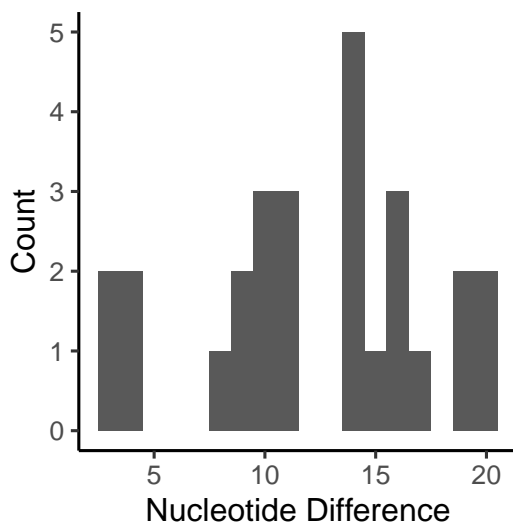
IGHV3-48*01

246 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



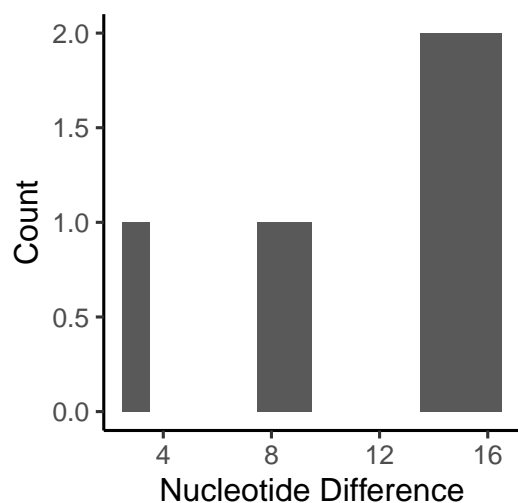
IGHV3-48*04

37 sequences assigned
No exact matches.



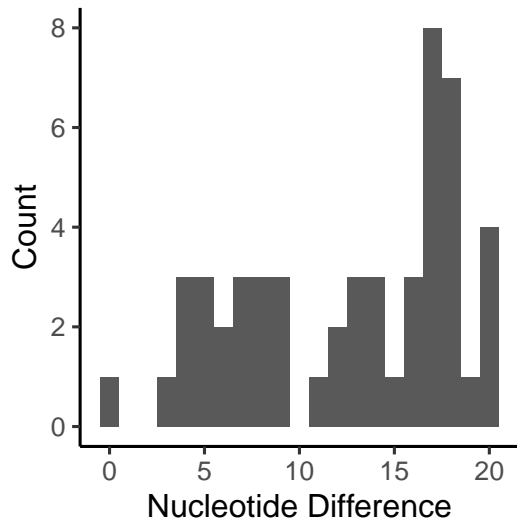
IGHV3-53*04

13 sequences assigned
No exact matches.



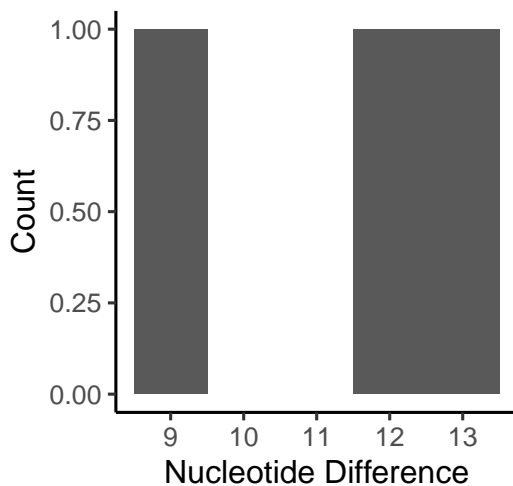
IGHV3-48*02

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



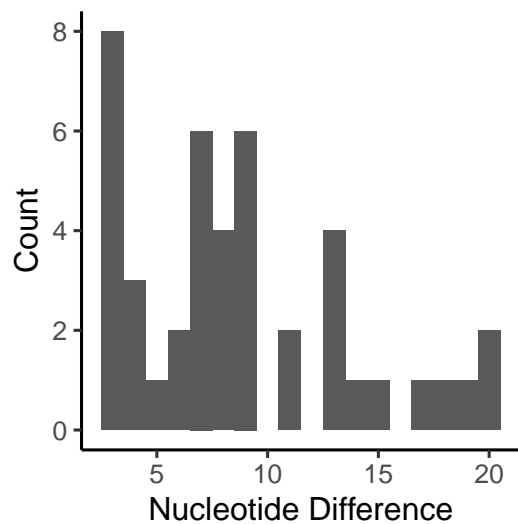
IGHV3-49*04

5 sequences assigned
No exact matches.



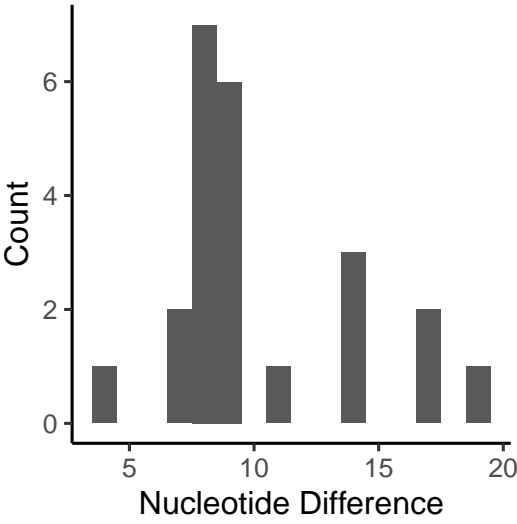
IGHV3-53*01_02

46 sequences assigned
No exact matches.



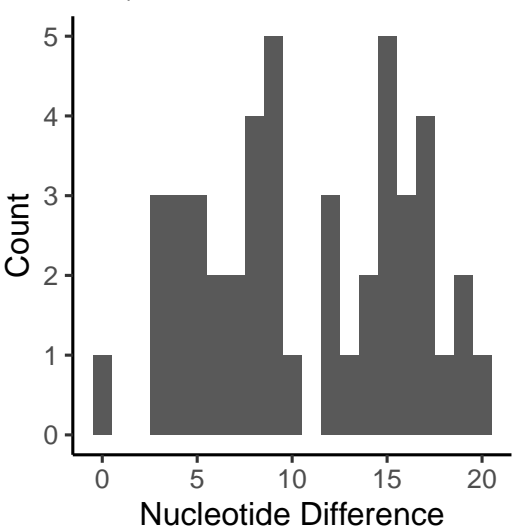
IGHV3-64*01

24 sequences assigned
No exact matches.



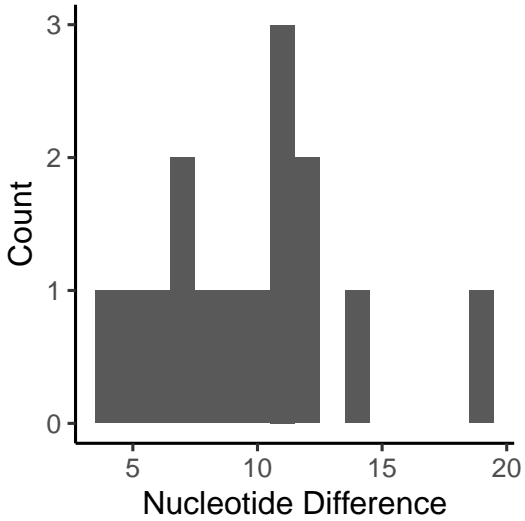
IGHV3-66*02

64 sequences assigned
1 (1.6%) exact matches, in which:
1 unique CDR3
1 unique J



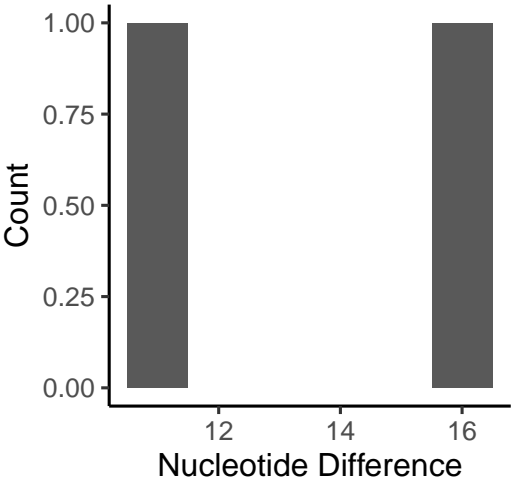
IGHV3-73*01_02

15 sequences assigned
No exact matches.



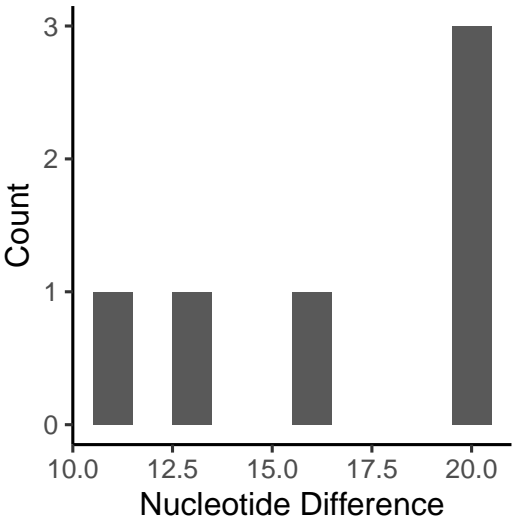
IGHV3-64*04

2 sequences assigned
No exact matches.



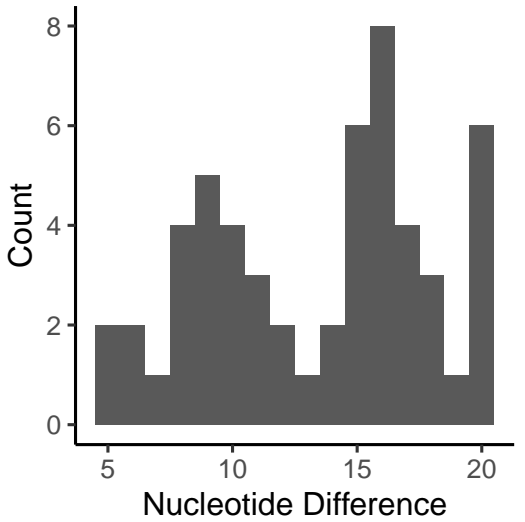
IGHV3-69-1*01

34 sequences assigned
No exact matches.



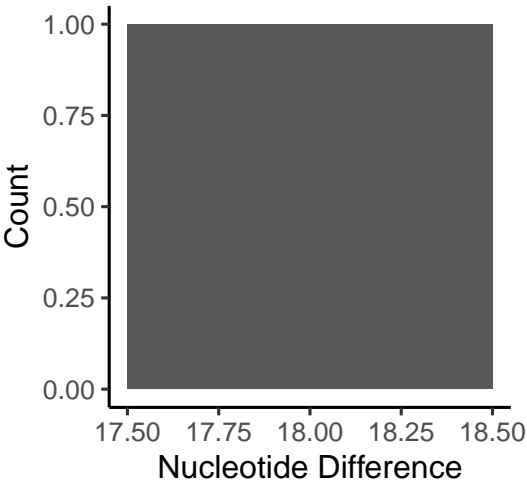
IGHV3-74*03

74 sequences assigned
No exact matches.



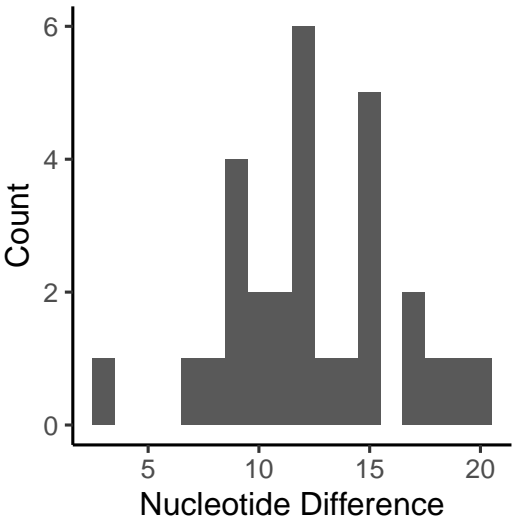
IGHV3-64*02_07

4 sequences assigned
No exact matches.



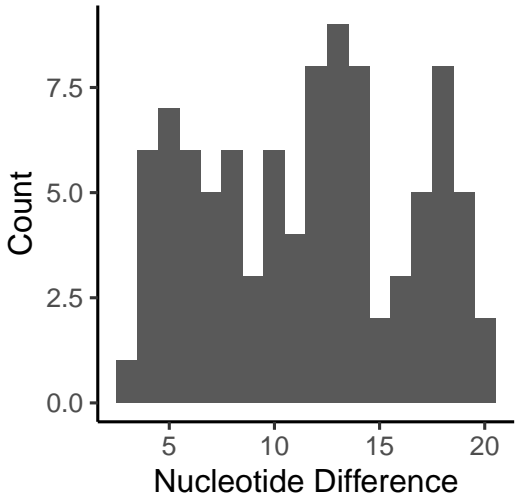
IGHV3-72*01

36 sequences assigned
No exact matches.



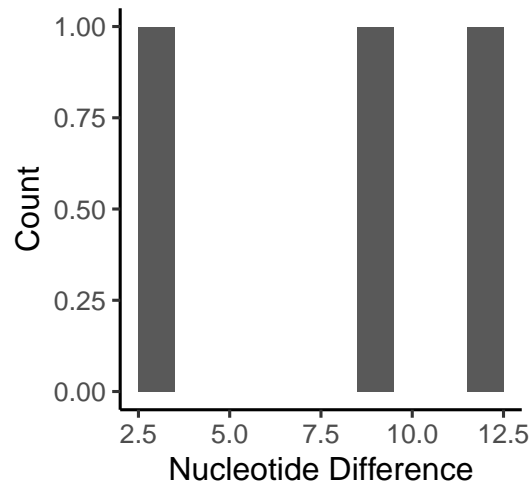
IGHV3-74*01_02

111 sequences assigned
No exact matches.



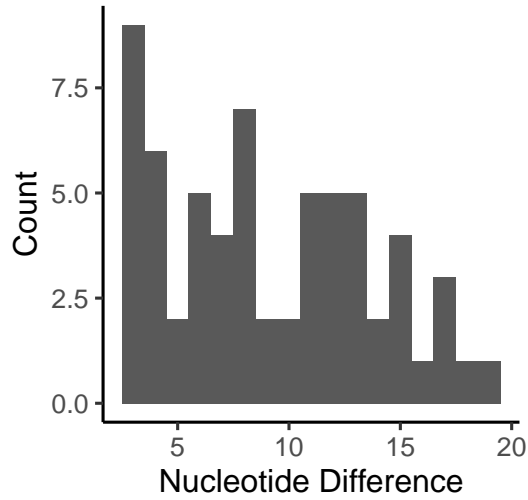
IGHV3-43D*04

3 sequences assigned
No exact matches.



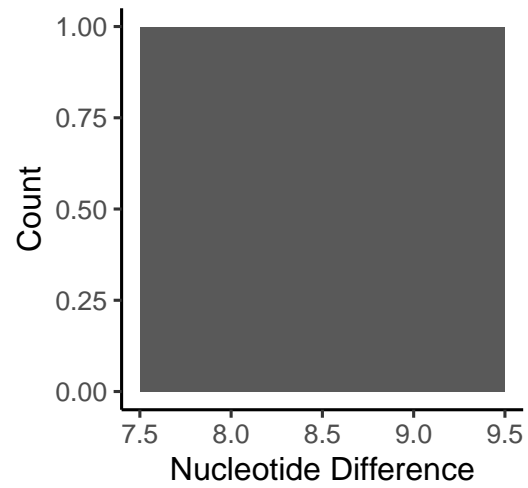
IGHV4-4*07

81 sequences assigned
No exact matches.



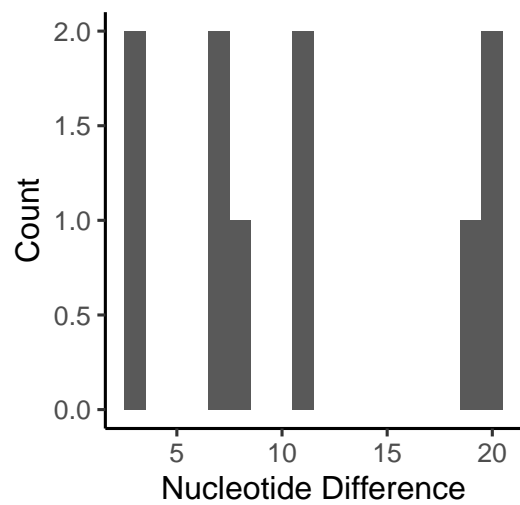
IGHV4-28*01_07

2 sequences assigned
No exact matches.



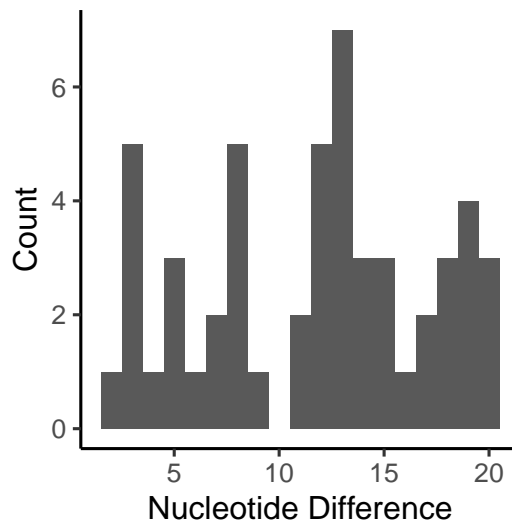
IGHV3-64D*06

11 sequences assigned
No exact matches.



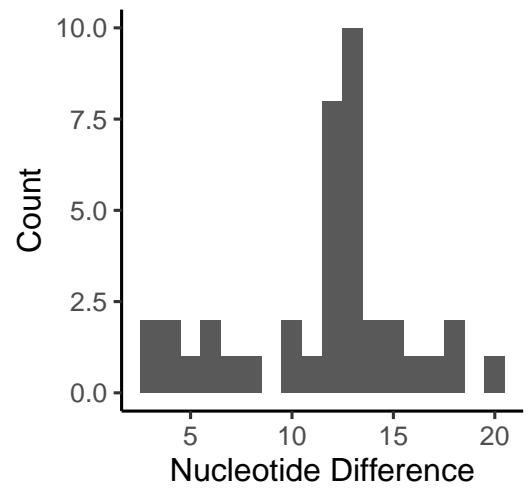
IGHV4-4*02_03

58 sequences assigned
No exact matches.



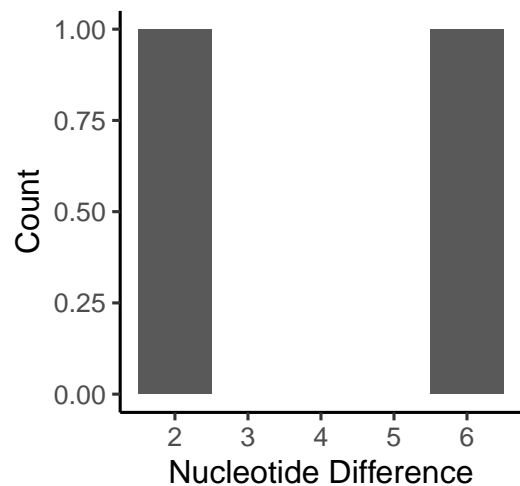
IGHV4-30-4*01

42 sequences assigned
No exact matches.



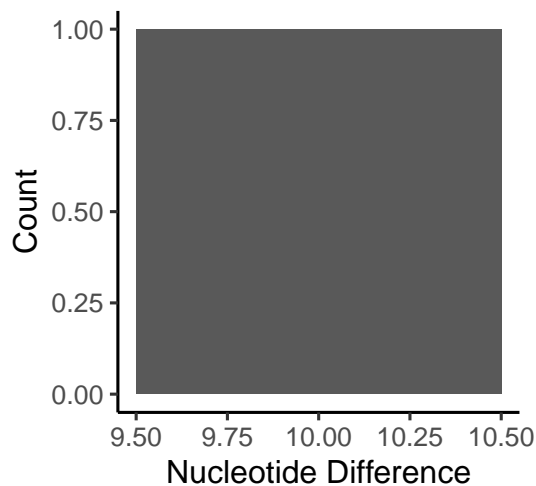
IGHV3-64D*08

2 sequences assigned
No exact matches.



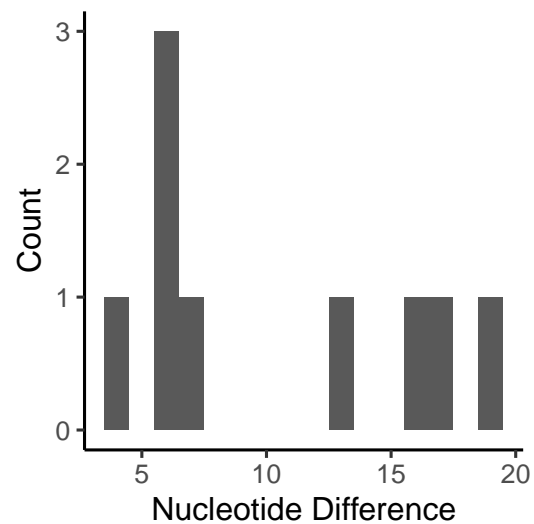
IGHV4-28*03

1 sequences assigned
No exact matches.



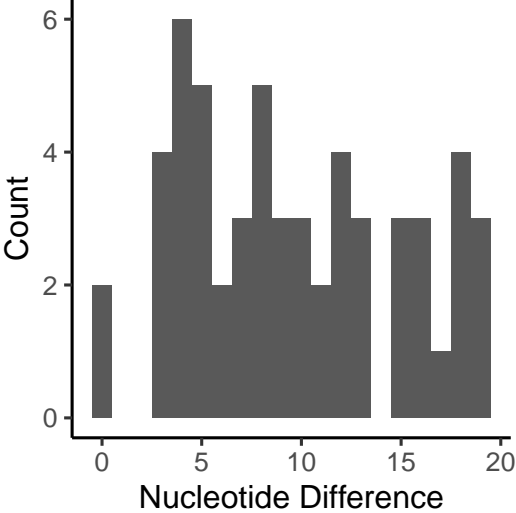
IGHV4-30-2*01

10 sequences assigned
No exact matches.



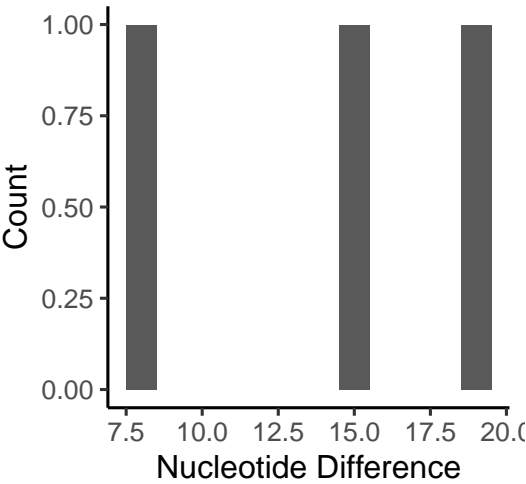
IGHV4-31*02

75 sequences assigned
2 (2.7%) exact matches, in which:
2 unique CDR3
1 unique J



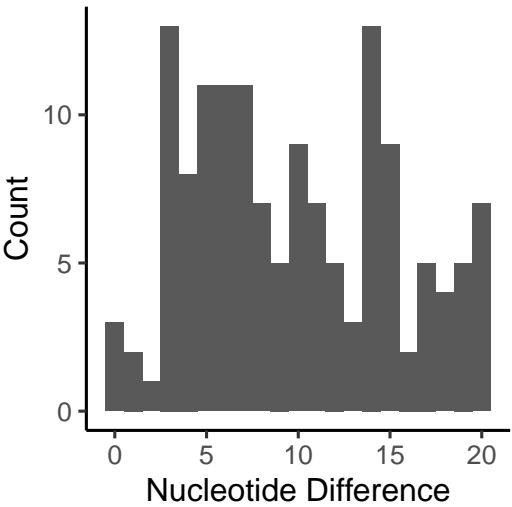
IGHV4-38-2*02

3 sequences assigned
No exact matches.



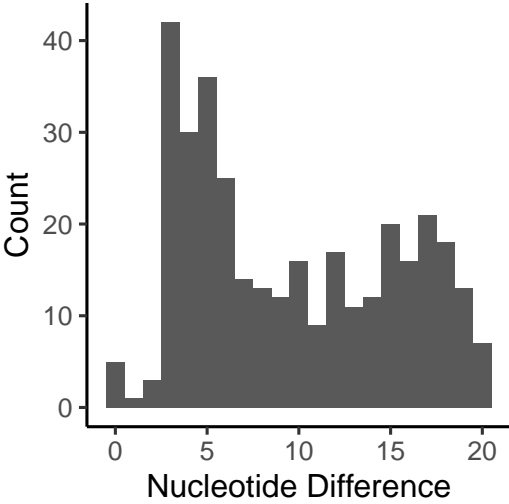
IGHV4-59*01_07

177 sequences assigned
3 (1.7%) exact matches, in which:
3 unique CDR3
2 unique J



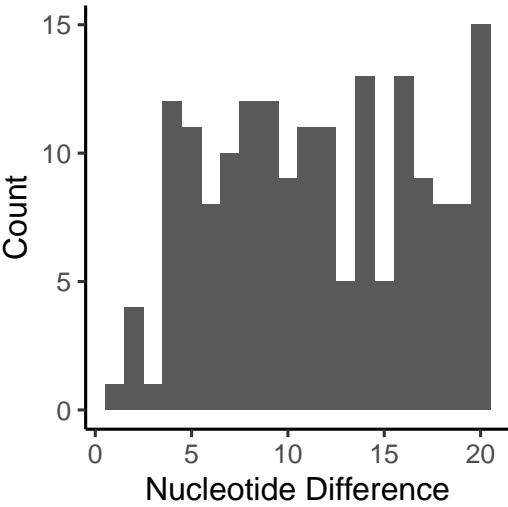
IGHV4-34*01_02

480 sequences assigned
5 (1%) exact matches, in which:
4 unique CDR3
4 unique J



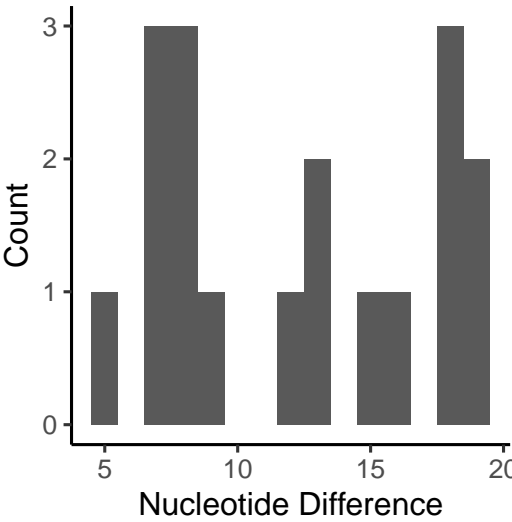
IGHV4-39*02

357 sequences assigned
No exact matches.



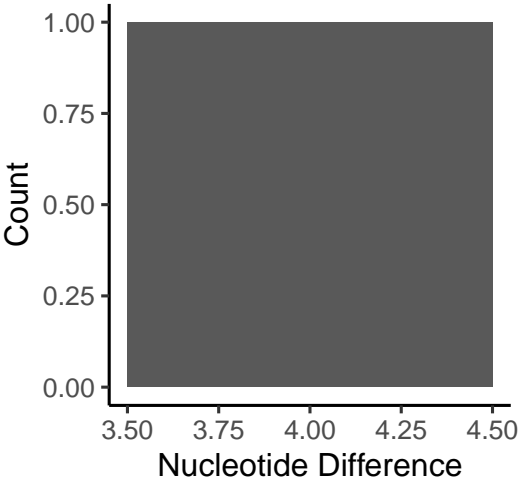
IGHV4-59*11

23 sequences assigned
No exact matches.



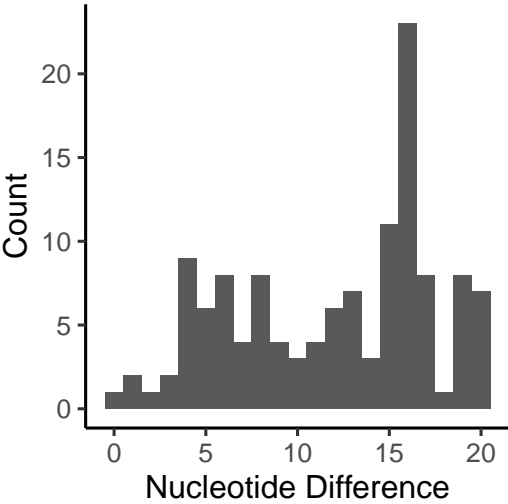
IGHV4-38-2*01

1 sequences assigned
No exact matches.



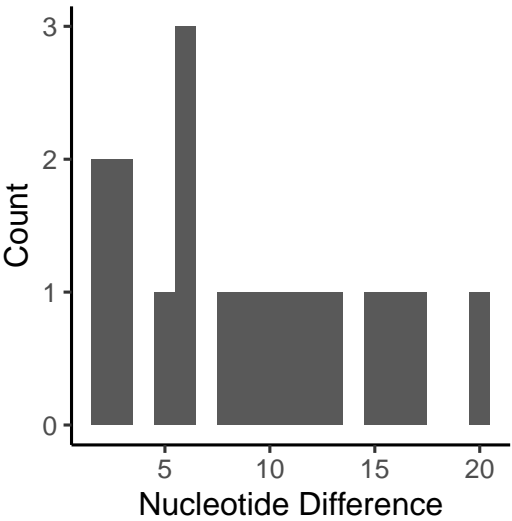
IGHV4-39*07

270 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



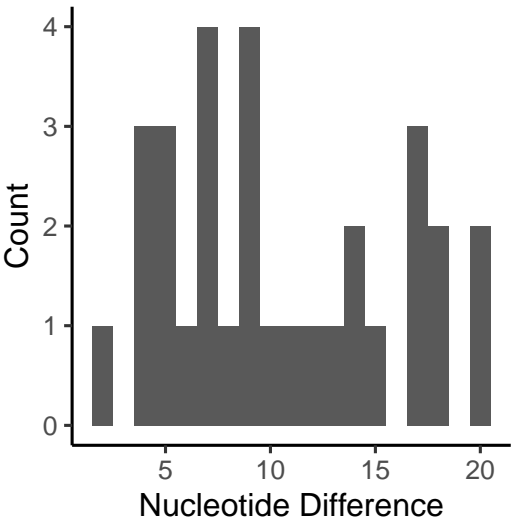
IGHV4-59*12

25 sequences assigned
No exact matches.



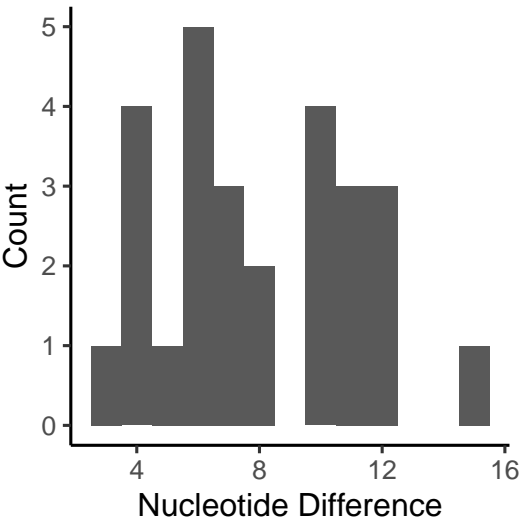
IGHV4-61*01

39 sequences assigned
No exact matches.



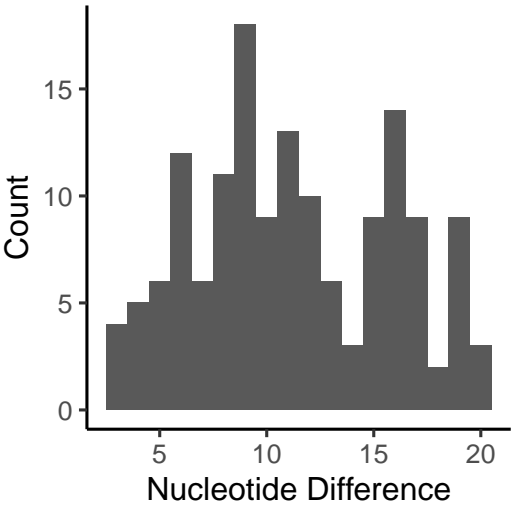
IGHV5-51*01_03

30 sequences assigned
No exact matches.



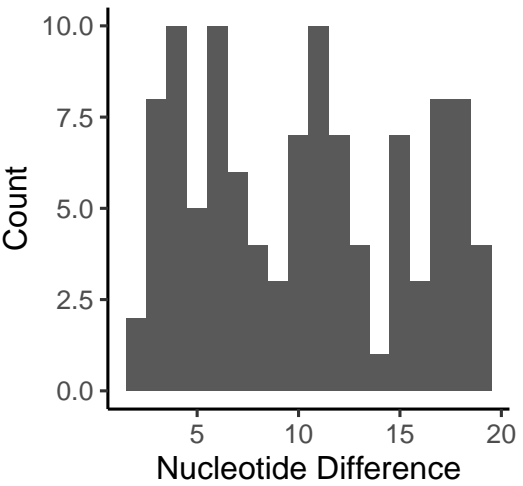
IGHV4-61*02

182 sequences assigned
No exact matches.



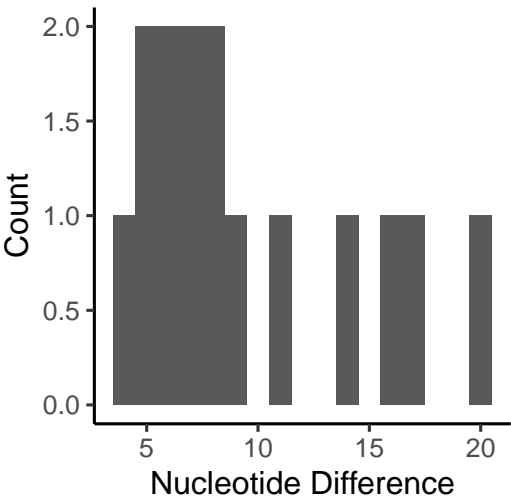
IGHV6-1*01_02

109 sequences assigned
No exact matches.



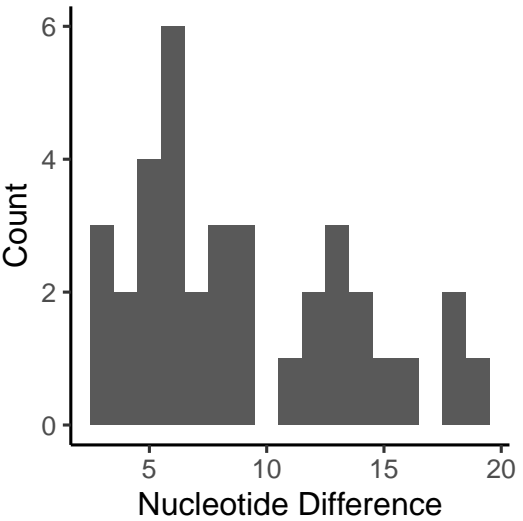
IGHV5-51*07

19 sequences assigned
No exact matches.



IGHV7-4-1*02

38 sequences assigned
No exact matches.





Warning – no inferred sequences found.