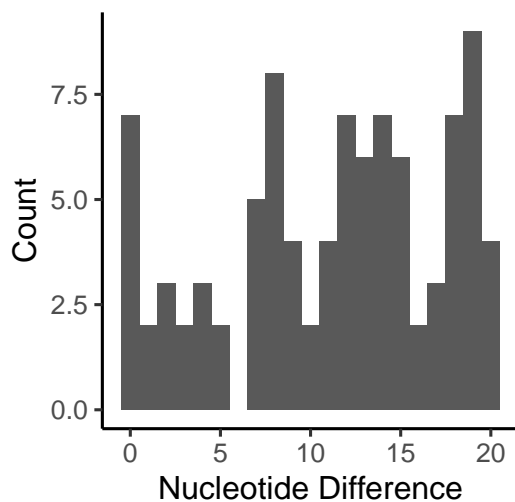


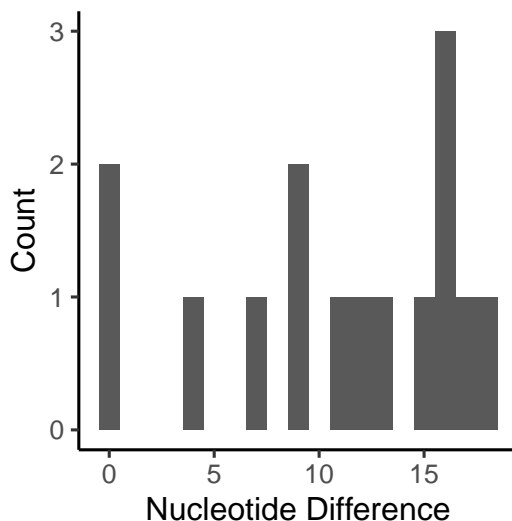
IGHV1-2*02

118 sequences assigned
7 (5.9%) exact matches, in which:
7 unique CDR3
4 unique J



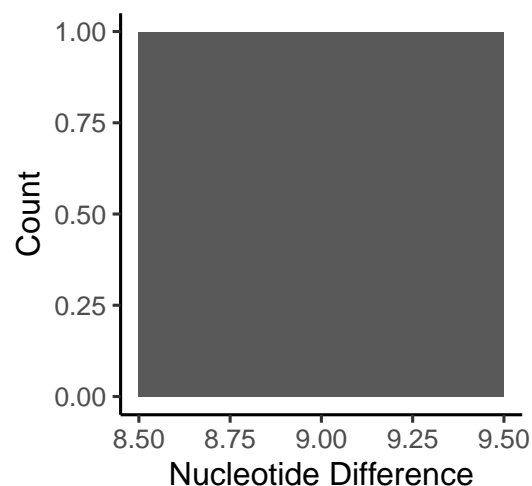
IGHV1-24*01

21 sequences assigned
2 (9.5%) exact matches, in which:
2 unique CDR3
1 unique J



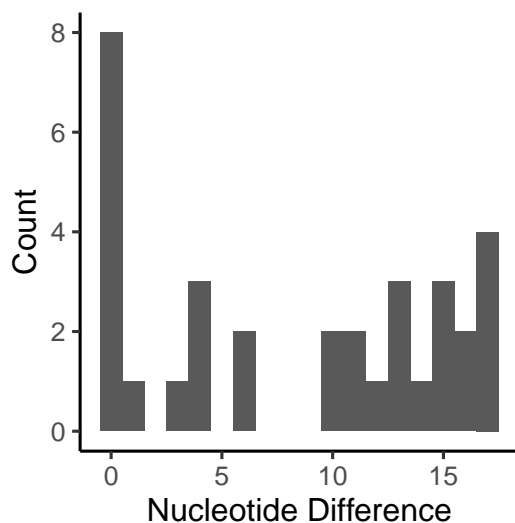
IGHV1-58*01

1 sequences assigned
No exact matches.



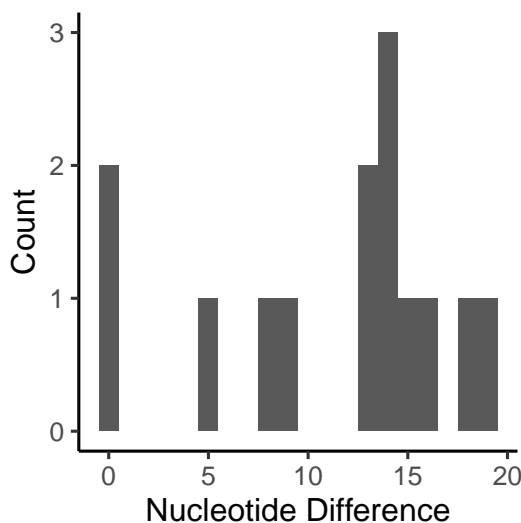
IGHV1-8*01

39 sequences assigned
8 (20.5%) exact matches, in which:
8 unique CDR3
3 unique J



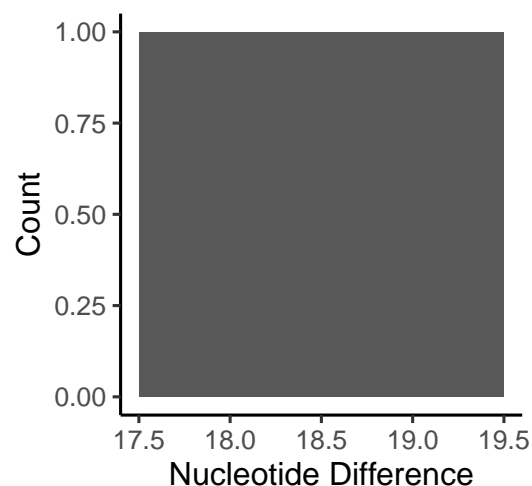
IGHV1-46*01

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



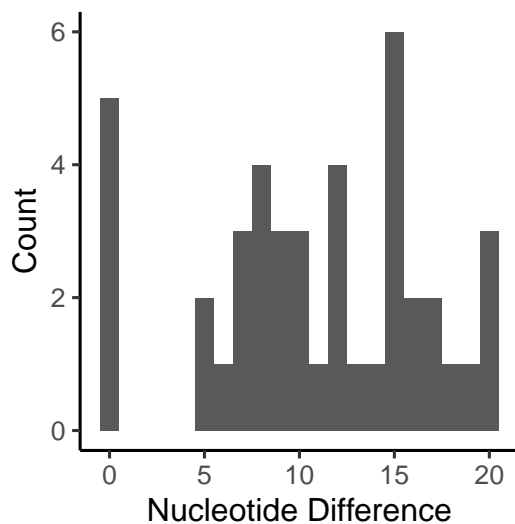
IGHV1-58*02

2 sequences assigned
No exact matches.



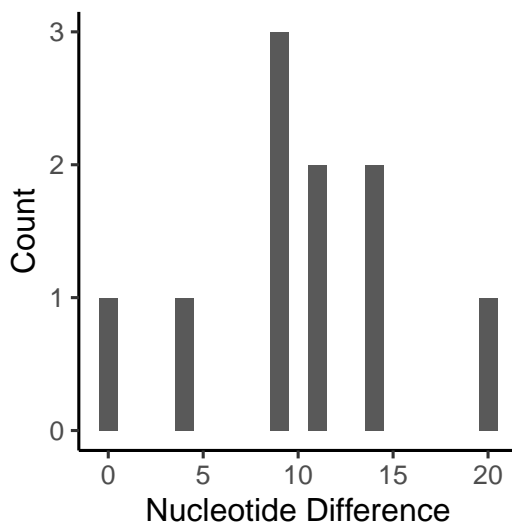
IGHV1-18*01

60 sequences assigned
5 (8.3%) exact matches, in which:
5 unique CDR3
3 unique J



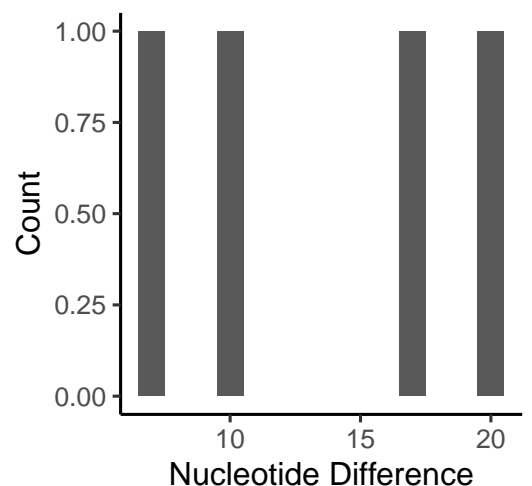
IGHV1-46*03

14 sequences assigned
1 (7.1%) exact matches, in which:
1 unique CDR3
1 unique J



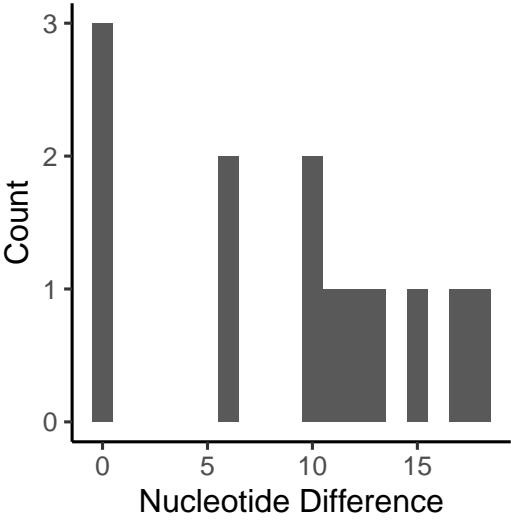
IGHV1-69-2*01

10 sequences assigned
No exact matches.



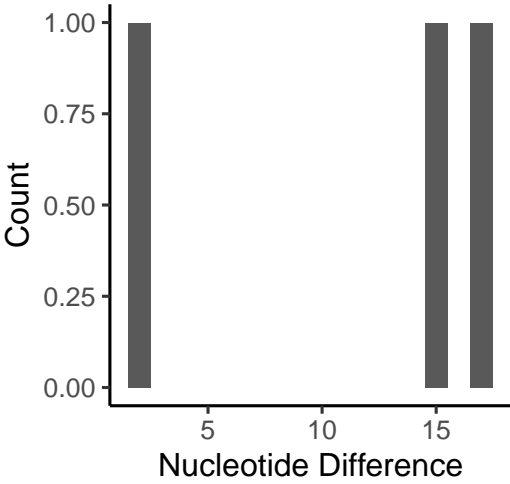
IGHV1–69*06

19 sequences assigned
3 (15.8%) exact matches, in which:
3 unique CDR3
3 unique J



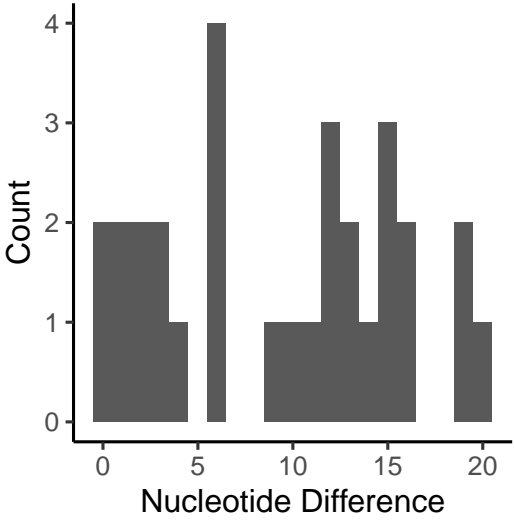
IGHV2–26*01

4 sequences assigned
No exact matches.



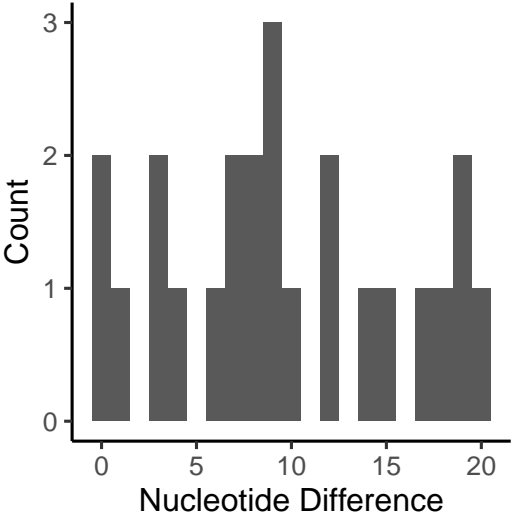
IGHV3–11*01

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



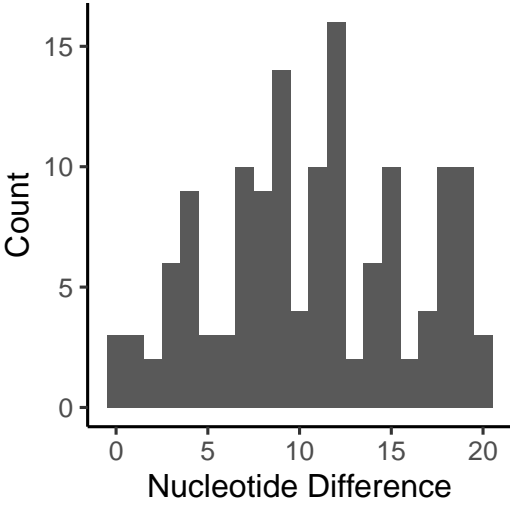
IGHV2–5*01

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



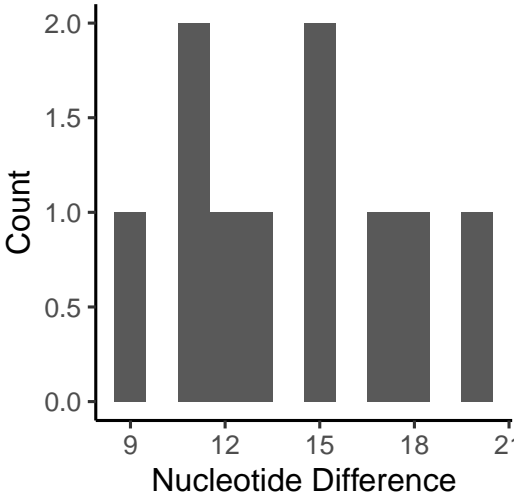
IGHV3–7*01

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



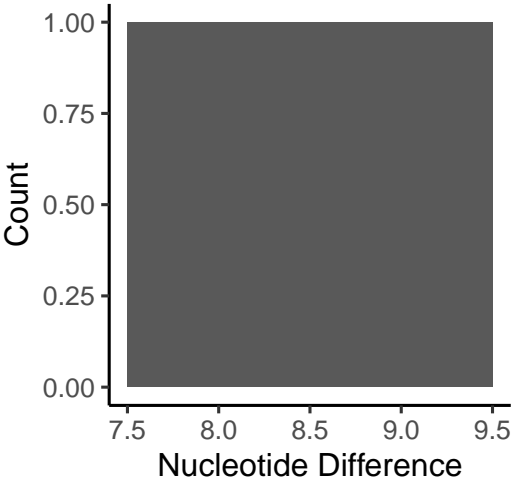
IGHV3–13*01

11 sequences assigned
No exact matches.



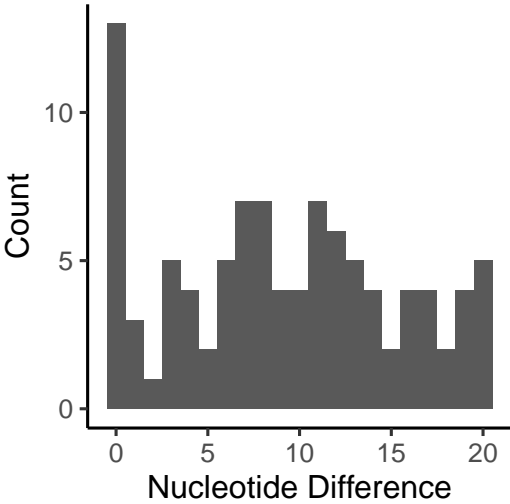
IGHV2–5*02

3 sequences assigned
No exact matches.



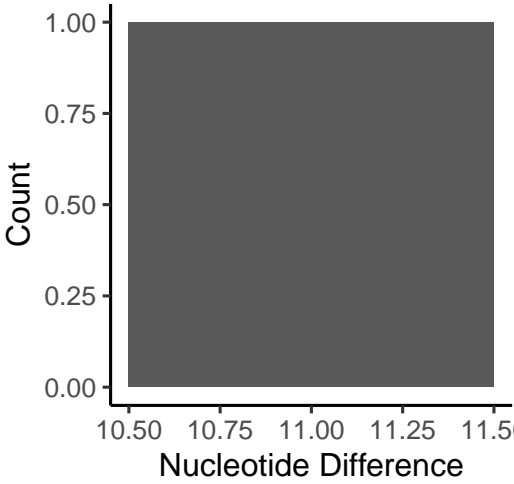
IGHV3–9*01

107 sequences assigned
13 (12.1%) exact matches, in which:
13 unique CDR3
4 unique J



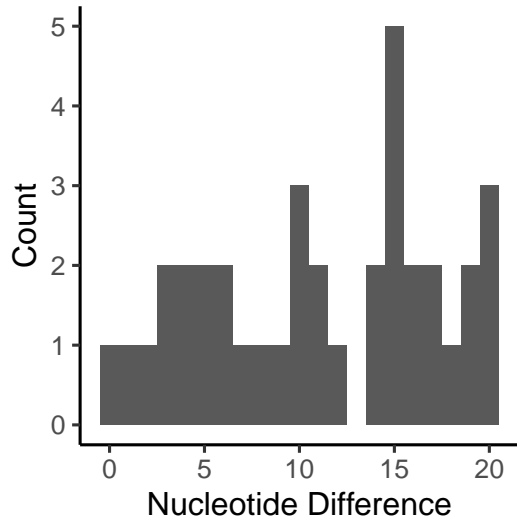
IGHV3–13*04

2 sequences assigned
No exact matches.



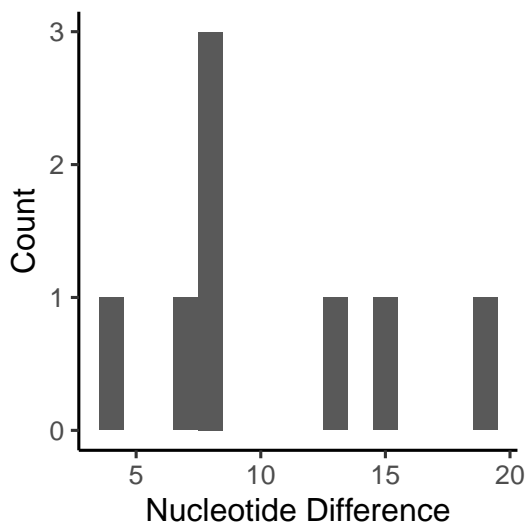
IGHV3-15*01

54 sequences assigned
1 (1.9%) exact matches, in which:
1 unique CDR3
1 unique J



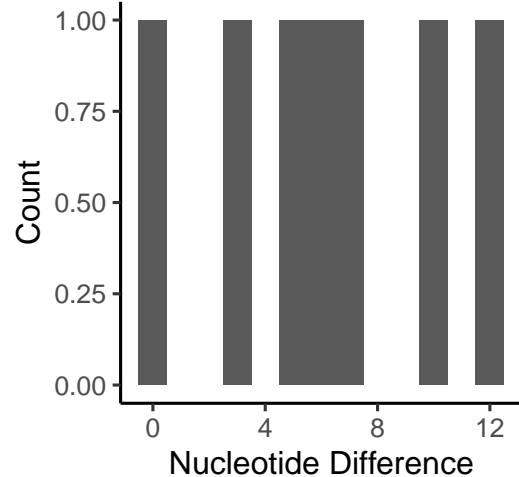
IGHV3-21*02

10 sequences assigned
No exact matches.



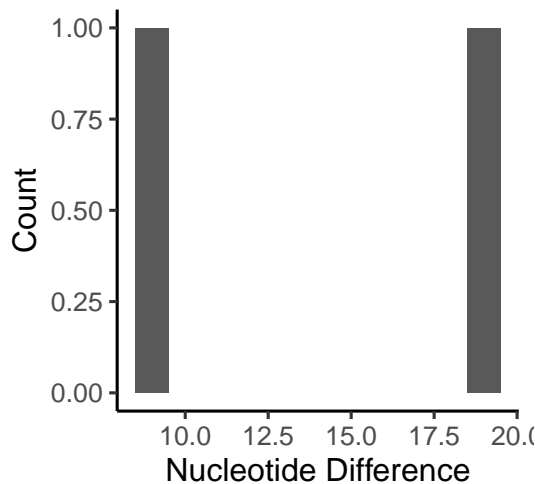
IGHV3-30*03

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



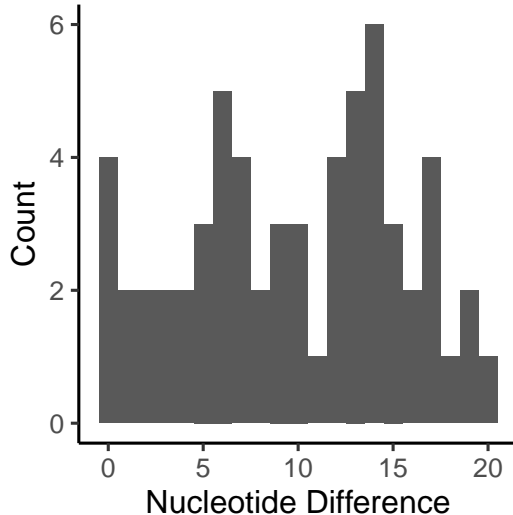
IGHV3-20*04

4 sequences assigned
No exact matches.



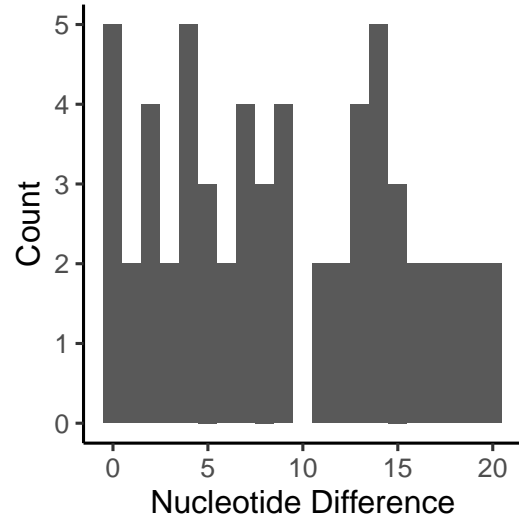
IGHV3-30-3*01

77 sequences assigned
4 (5.2%) exact matches, in which:
4 unique CDR3
1 unique J



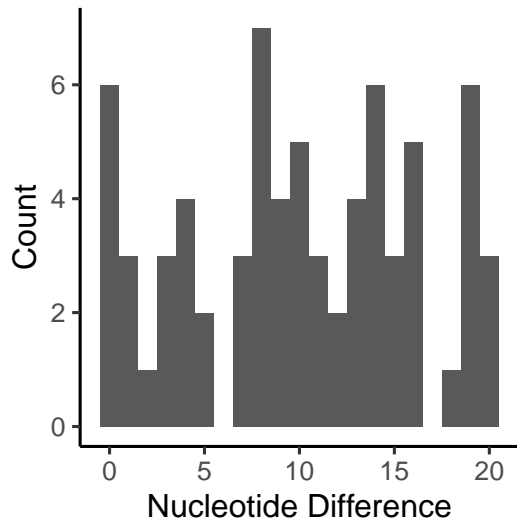
IGHV3-33*01

71 sequences assigned
5 (7%) exact matches, in which:
5 unique CDR3
3 unique J



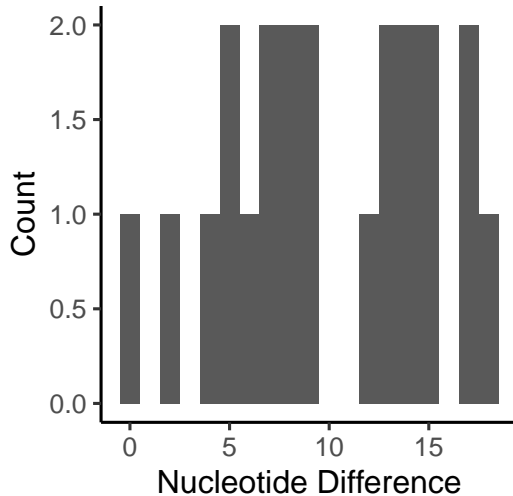
IGHV3-21*01

84 sequences assigned
6 (7.1%) exact matches, in which:
6 unique CDR3
3 unique J



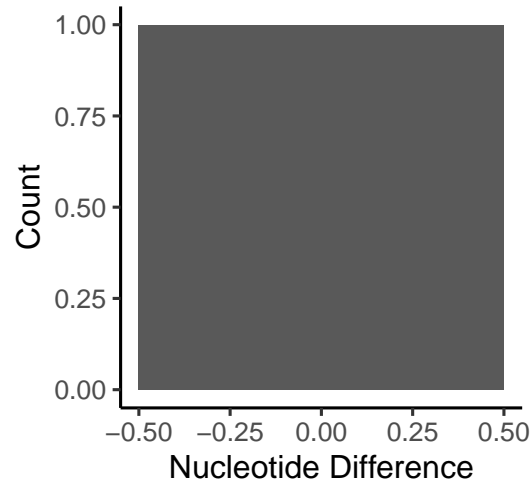
IGHV3-30*01

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



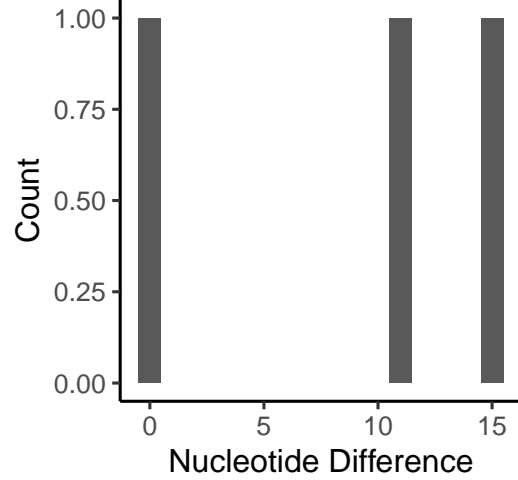
IGHV3-35*01

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



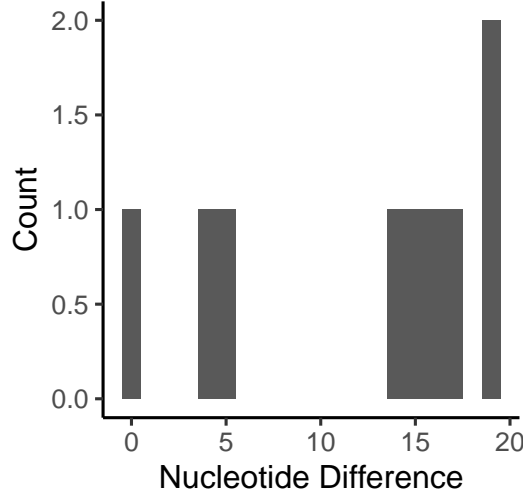
IGHV3-43*01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



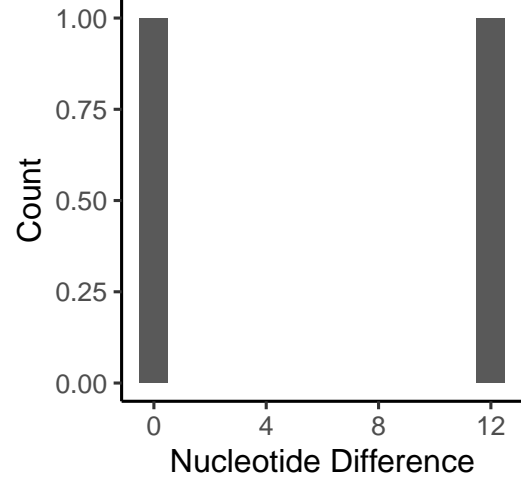
IGHV3-49*03

18 sequences assigned
1 (5.6%) exact matches, in which:
1 unique CDR3
1 unique J



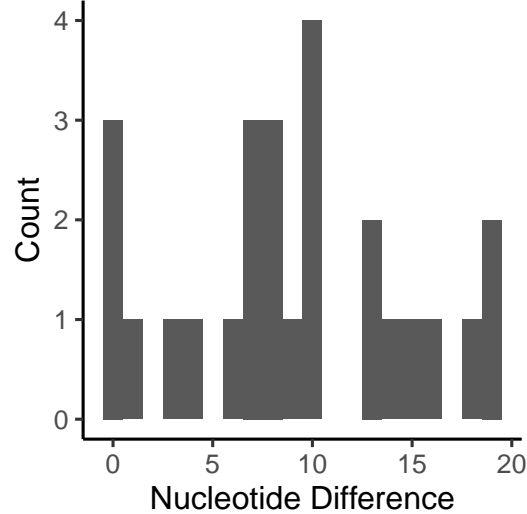
IGHV3-64*01

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



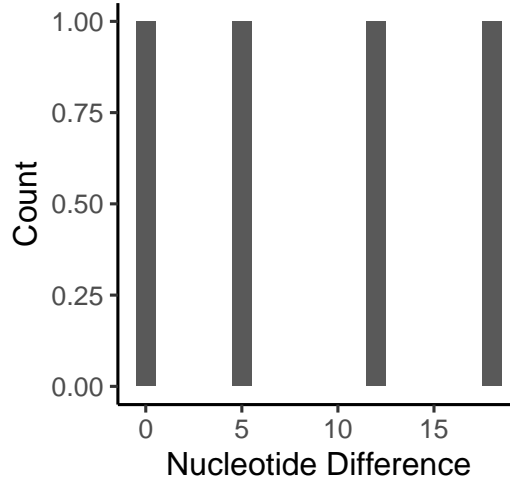
IGHV3-48*01

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



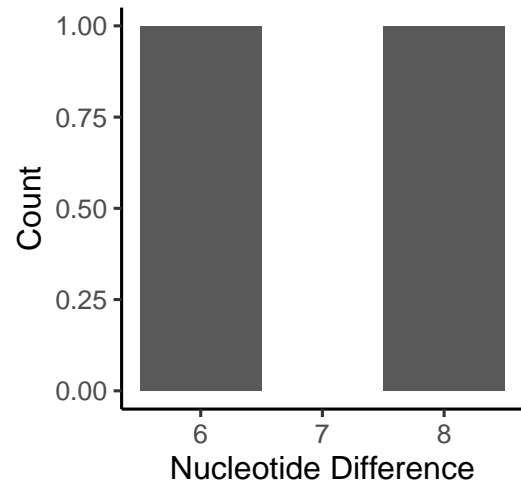
IGHV3-49*05

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



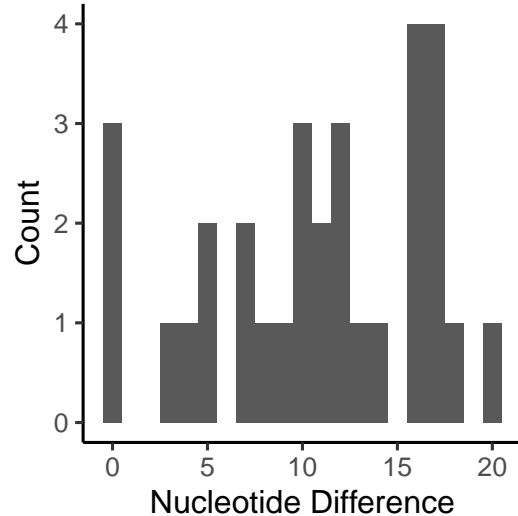
IGHV3-64*07

2 sequences assigned
No exact matches.



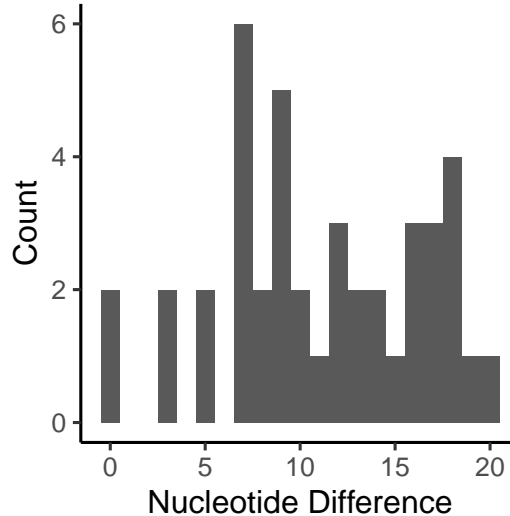
IGHV3-48*02

33 sequences assigned
3 (9.1%) exact matches, in which:
3 unique CDR3
2 unique J



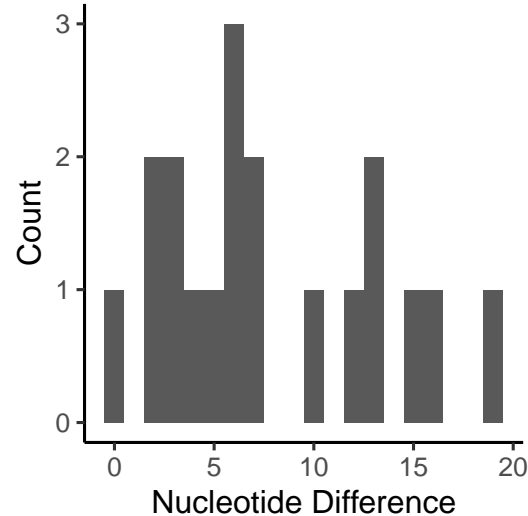
IGHV3-53*01

60 sequences assigned
2 (3.3%) exact matches, in which:
2 unique CDR3
1 unique J



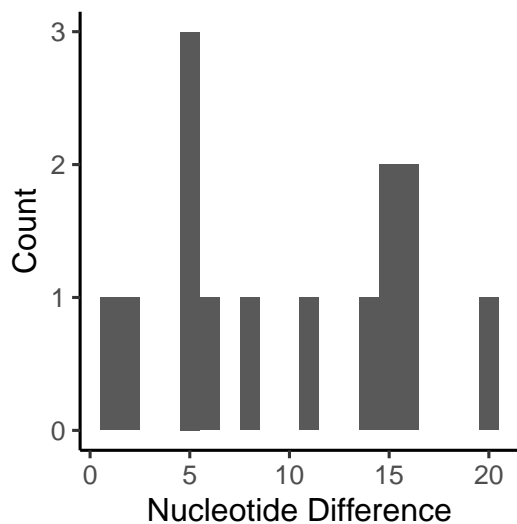
IGHV3-72*01

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



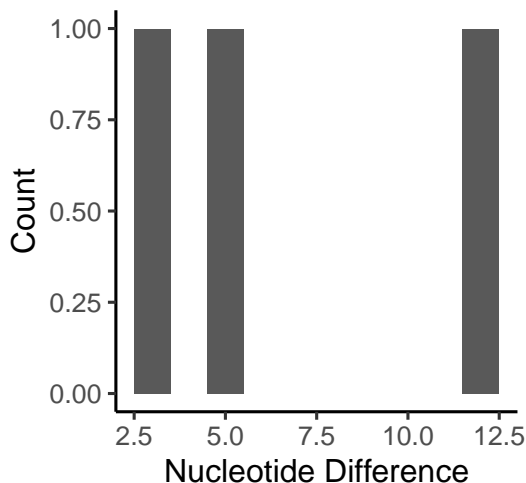
IGHV3-73*02

17 sequences assigned
No exact matches.



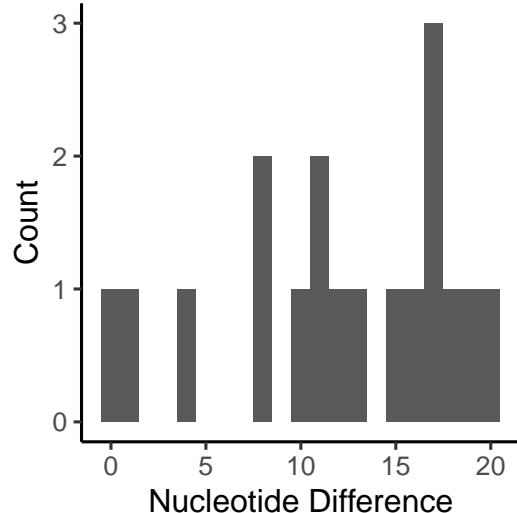
IGHV4-30-2*01

5 sequences assigned
No exact matches.



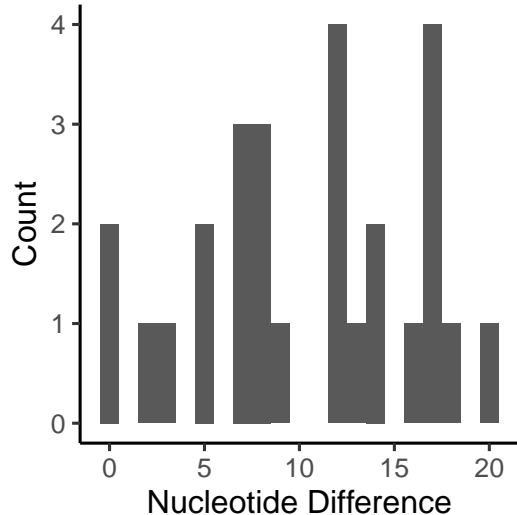
IGHV4-31*03

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



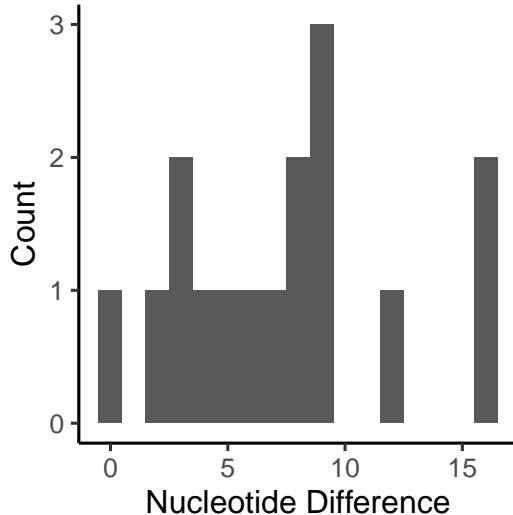
IGHV3-74*01

39 sequences assigned
2 (5.1%) exact matches, in which:
2 unique CDR3
2 unique J



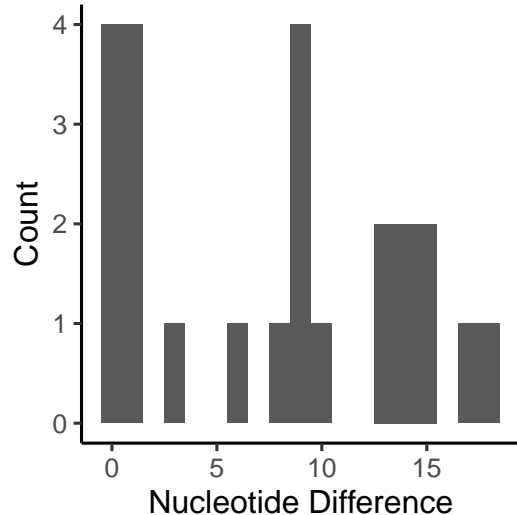
IGHV4-30-4*01

16 sequences assigned
1 (6.2%) exact matches, in which:
1 unique CDR3
1 unique J



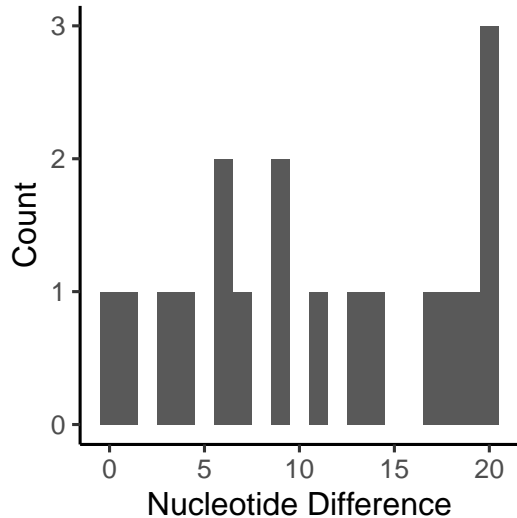
IGHV4-34*01

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



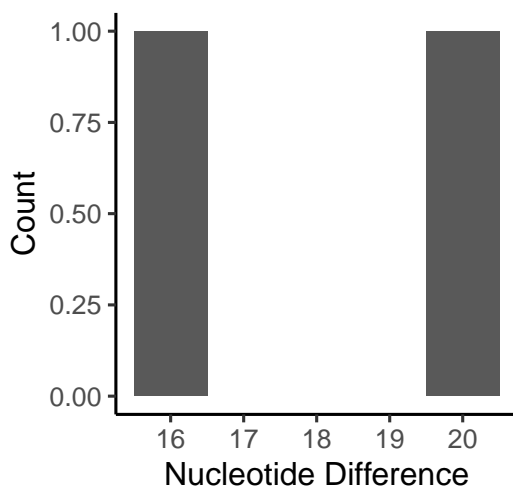
IGHV4-4*07

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



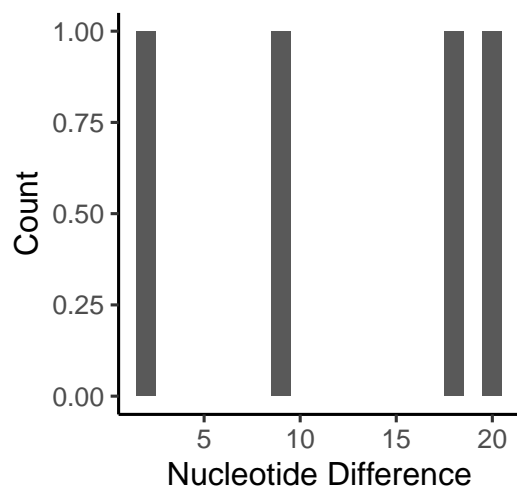
IGHV4-30-4*08

3 sequences assigned
No exact matches.



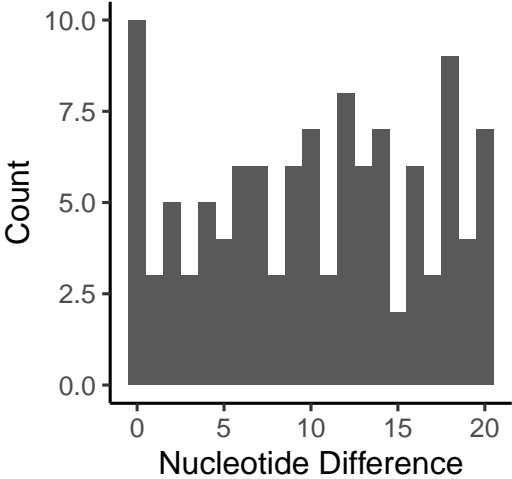
IGHV4-34*02

7 sequences assigned
No exact matches.



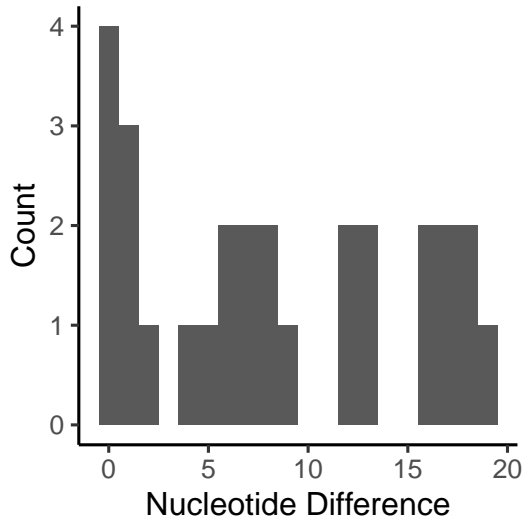
IGHV4-39*01

141 sequences assigned
10 (7.1%) exact matches, in which:
10 unique CDR3
4 unique J



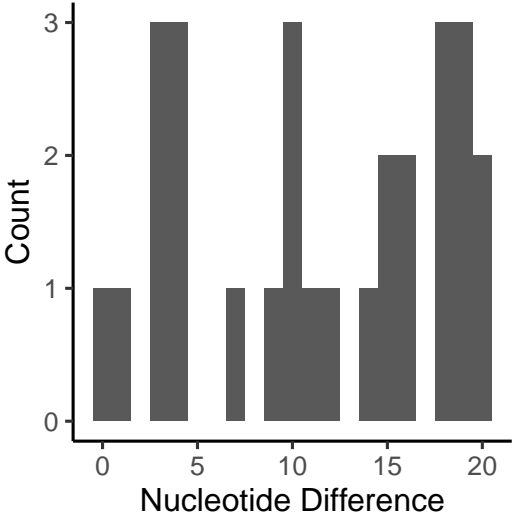
IGHV4-61*02

36 sequences assigned
4 (11.1%) exact matches, in which:
4 unique CDR3
2 unique J



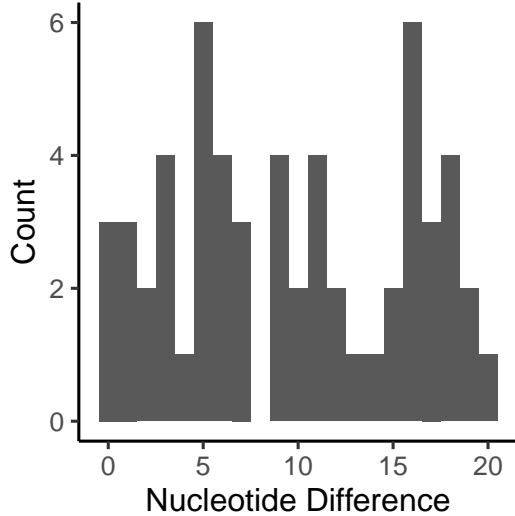
IGHV4-59*01

40 sequences assigned
1 (2.5%) exact matches, in which:
1 unique CDR3
1 unique J



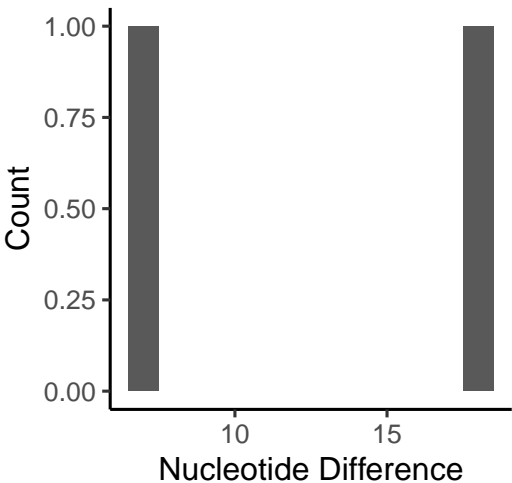
IGHV5-51*01

67 sequences assigned
3 (4.5%) exact matches, in which:
3 unique CDR3
3 unique J



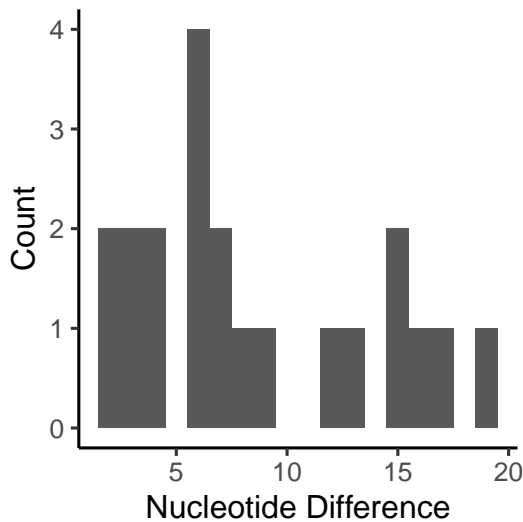
IGHV4-61*01

5 sequences assigned
No exact matches.



IGHV6-1*01

23 sequences assigned
No exact matches.





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.