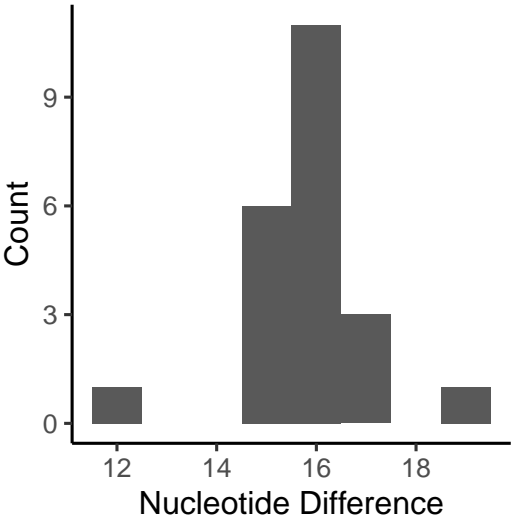


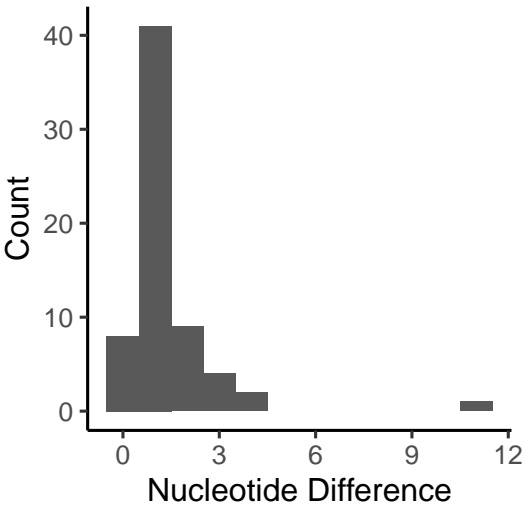
IGHV1-2*02

22 sequences assigned
No exact matches.



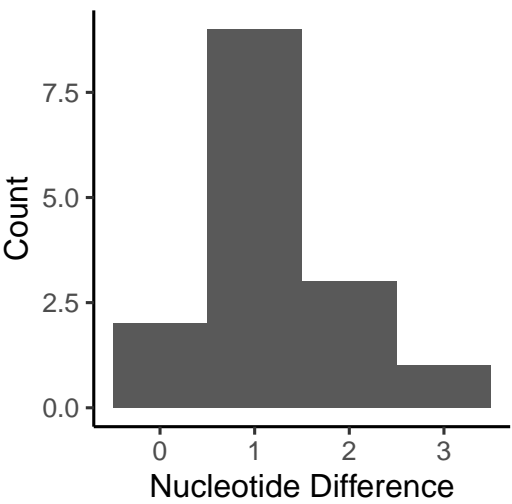
IGHV1-18*04

65 sequences assigned
8 (12.3%) exact matches, in which:
4 unique CDR3
1 unique J



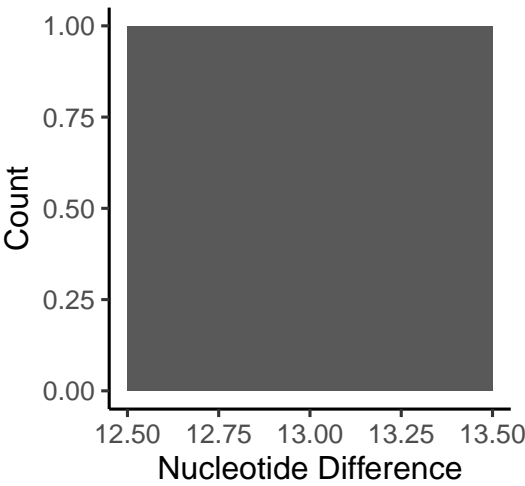
IGHV1-46*03

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



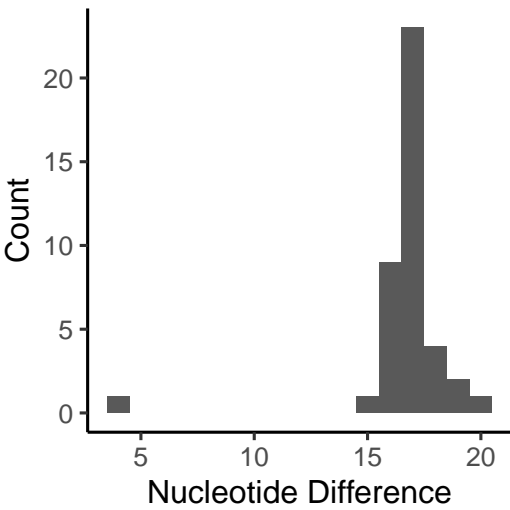
IGHV1-8*01

1 sequences assigned
No exact matches.



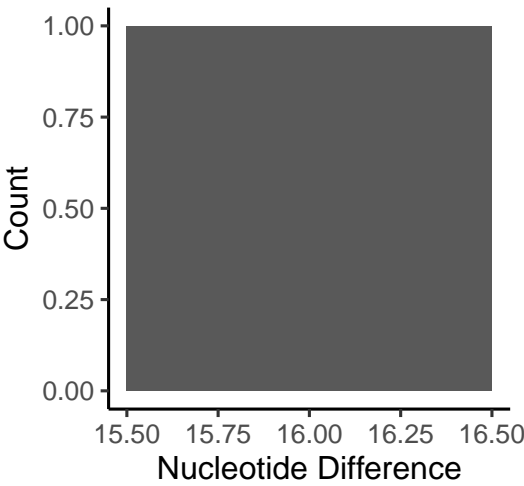
IGHV1-46*01

42 sequences assigned
No exact matches.



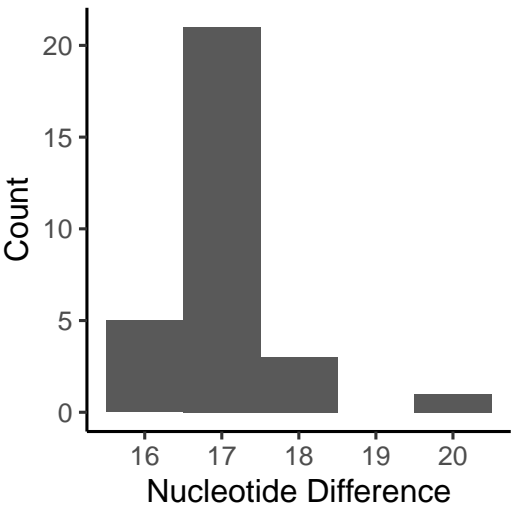
IGHV1-69*04_09

1 sequences assigned
No exact matches.



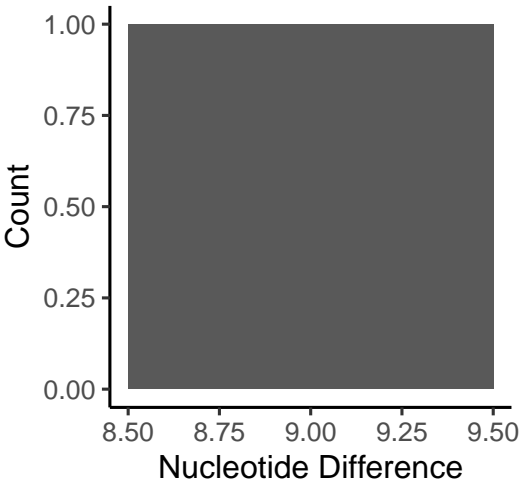
IGHV1-18*01

32 sequences assigned
No exact matches.



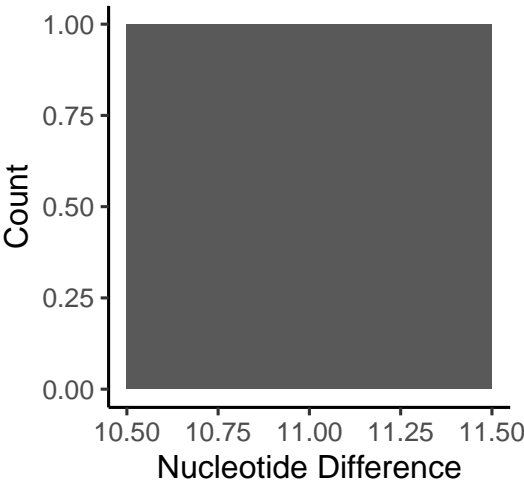
IGHV1-46*02

1 sequences assigned
No exact matches.



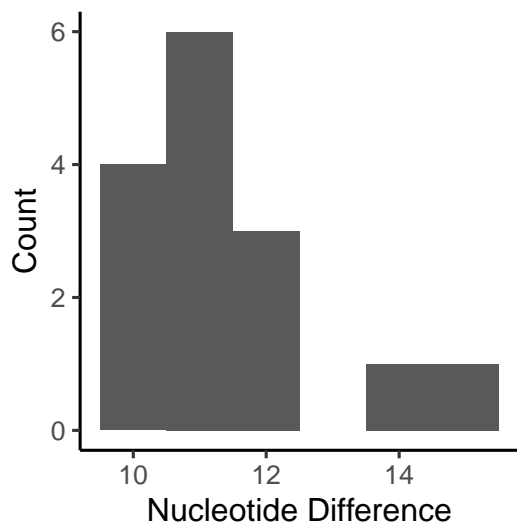
IGHV3-7*01

196 sequences assigned
No exact matches.



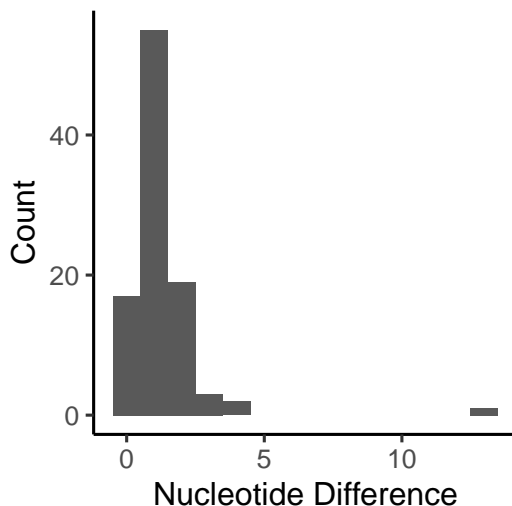
IGHV3-7*03

21 sequences assigned
No exact matches.



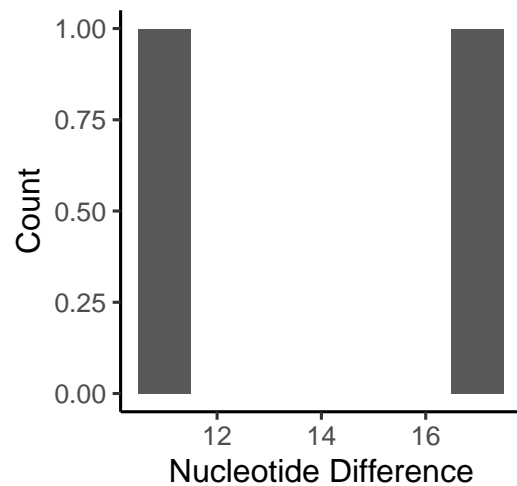
IGHV3-11*04

97 sequences assigned
17 (17.5%) exact matches, in which:
11 unique CDR3
2 unique J



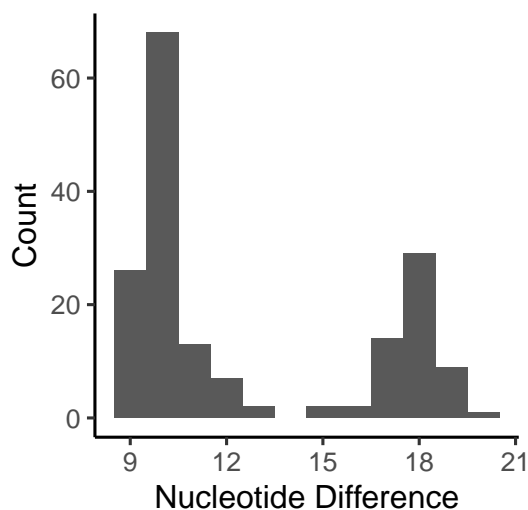
IGHV3-13*05

2 sequences assigned
No exact matches.



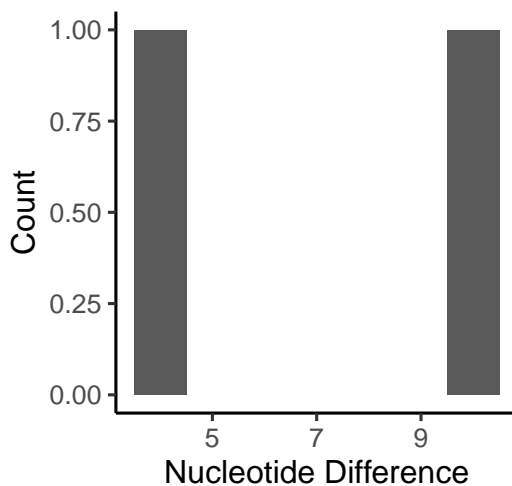
IGHV3-9*01

180 sequences assigned
No exact matches.



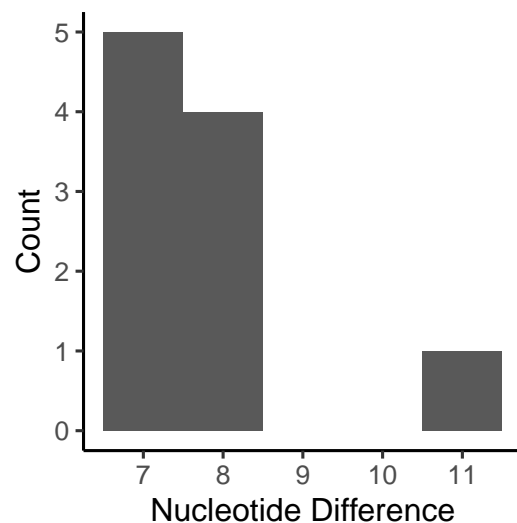
IGHV3-11*06

2 sequences assigned
No exact matches.



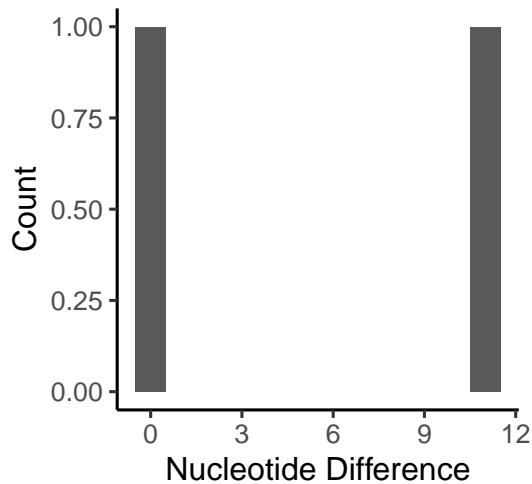
IGHV3-15*05

15 sequences assigned
No exact matches.



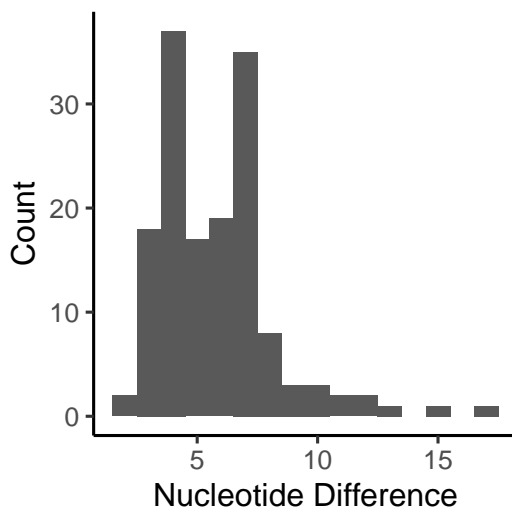
IGHV3-11*01

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



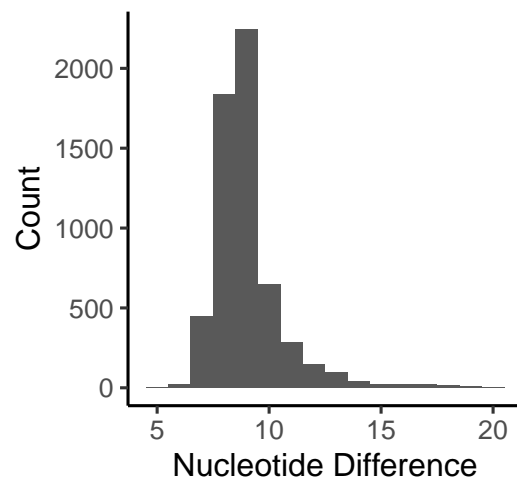
IGHV3-13*01

149 sequences assigned
No exact matches.



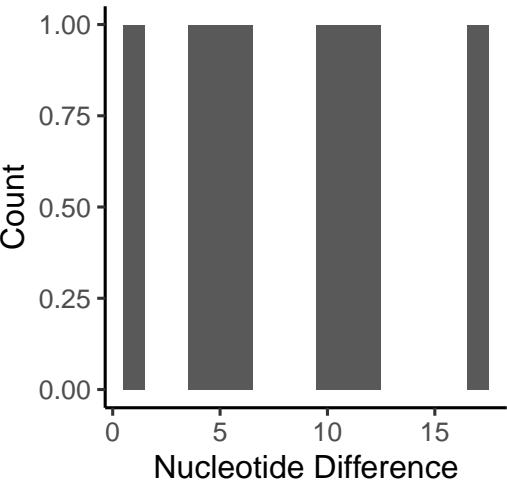
IGHV3-15*01_02

5883 sequences assigned
No exact matches.



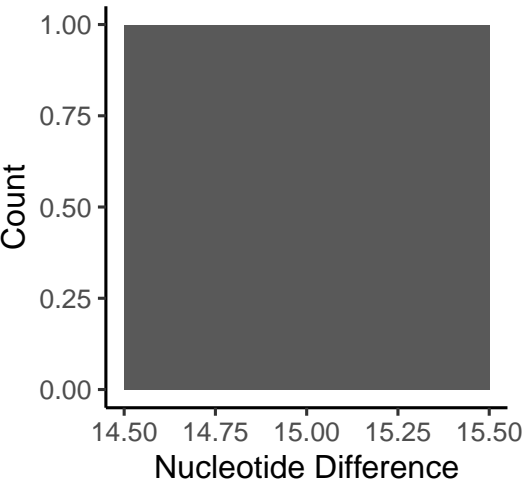
IGHV3-21*01_02

8 sequences assigned
No exact matches.



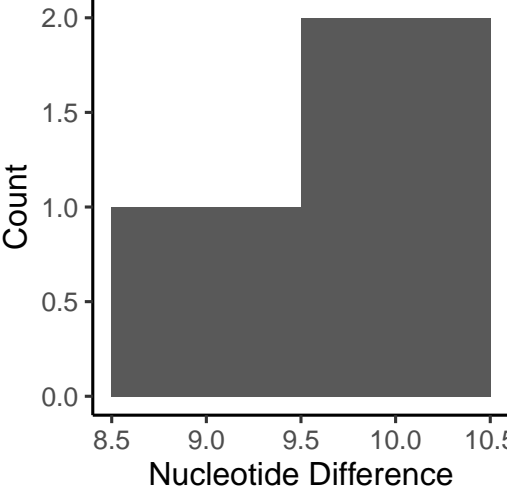
IGHV3-33*08

2 sequences assigned
No exact matches.



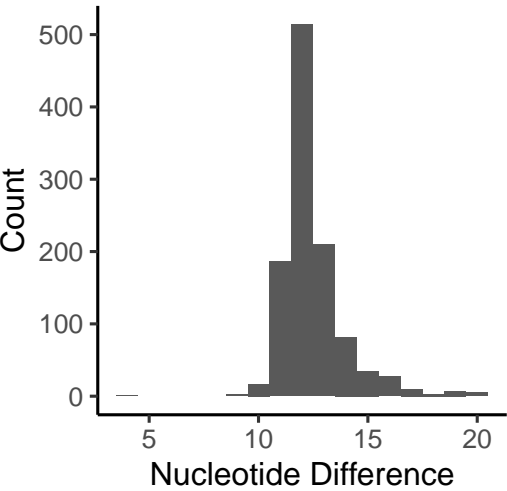
IGHV3-49*04

3 sequences assigned
No exact matches.



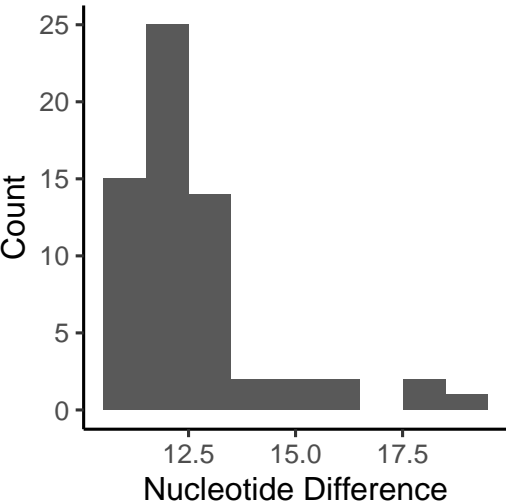
IGHV3-23*01_04

1149 sequences assigned
No exact matches.



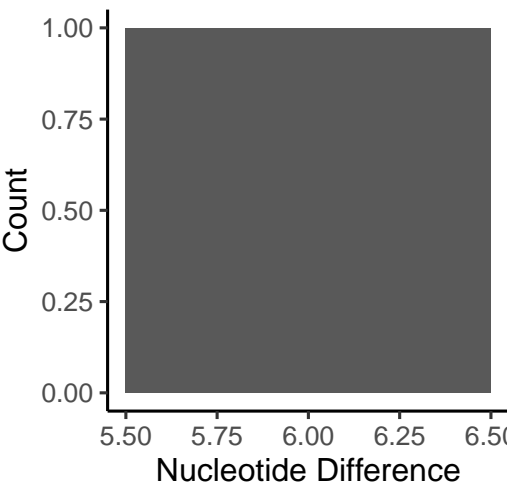
IGHV3-48*03

63 sequences assigned
No exact matches.



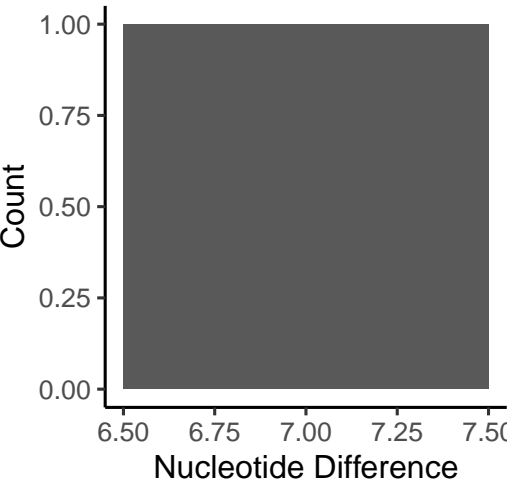
IGHV3-49*03_05

1 sequences assigned
No exact matches.



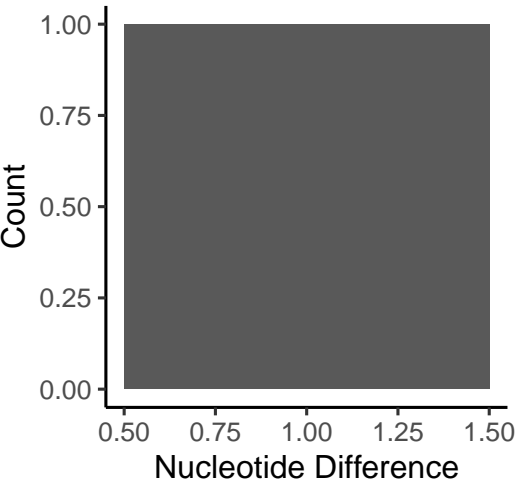
IGHV3-30-3*01

1 sequences assigned
No exact matches.



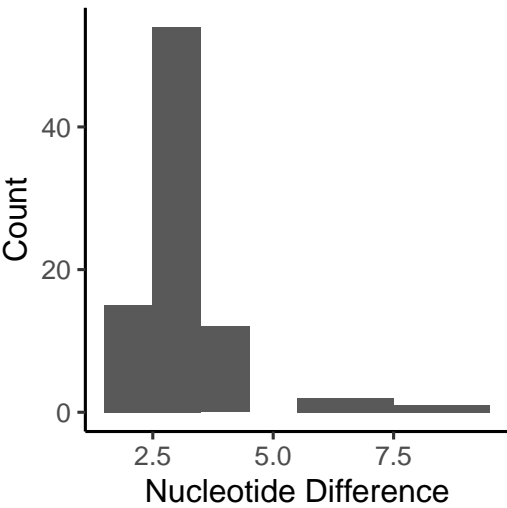
IGHV3-48*04

1 sequences assigned
No exact matches.



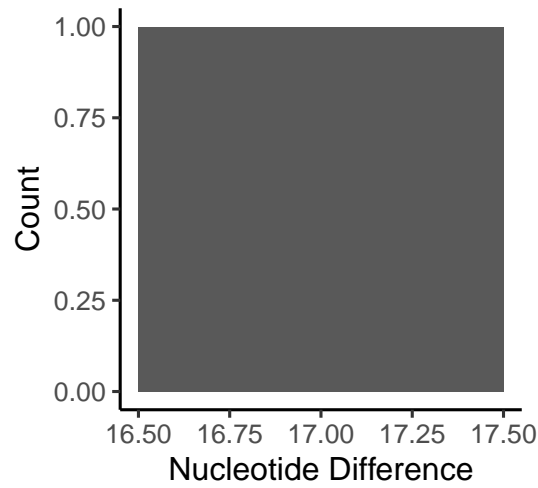
IGHV3-66*01

87 sequences assigned
No exact matches.



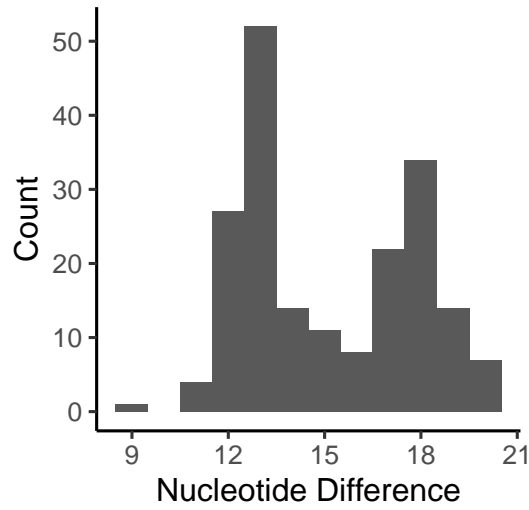
IGHV3-72*01

1 sequences assigned
No exact matches.



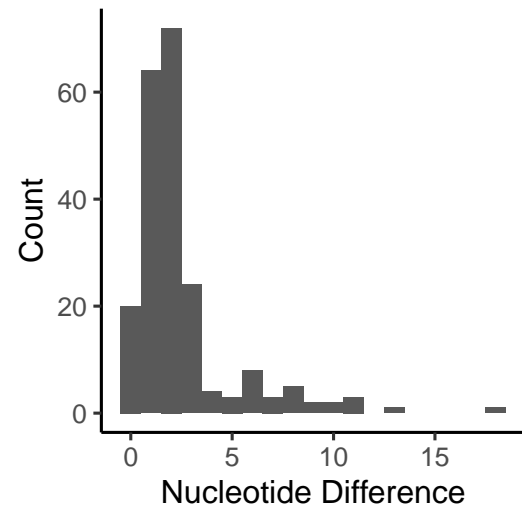
IGHV4-4*07

203 sequences assigned
No exact matches.



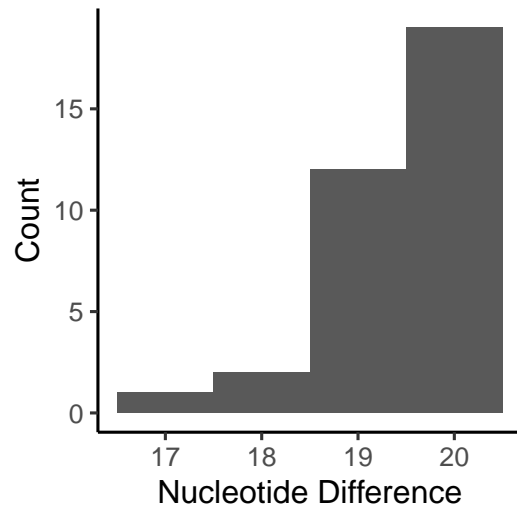
IGHV4-34*01_02

212 sequences assigned
20 (9.4%) exact matches, in which:
13 unique CDR3
2 unique J



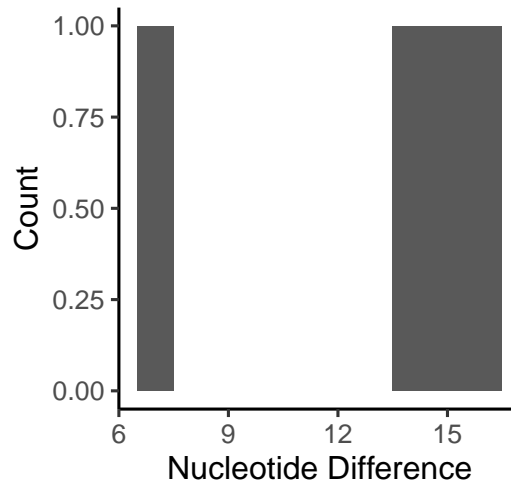
IGHV3-74*03

45 sequences assigned
No exact matches.



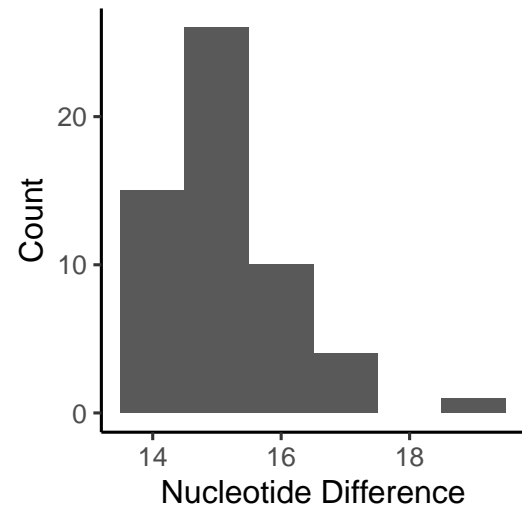
IGHV4-4*02_03

17 sequences assigned
No exact matches.



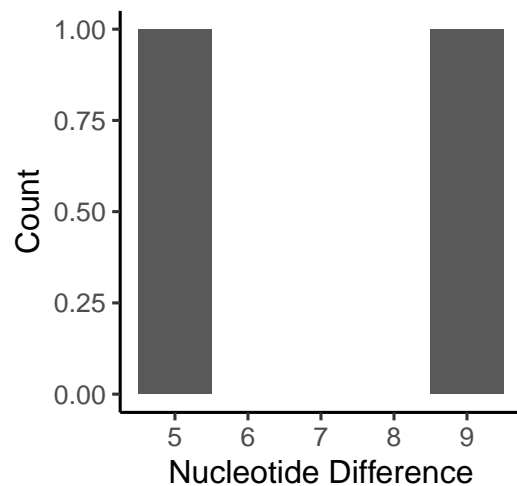
IGHV4-39*02

60 sequences assigned
No exact matches.



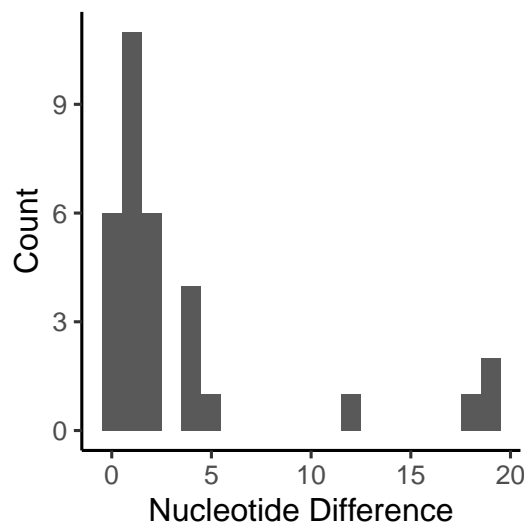
IGHV3-74*01_02

3 sequences assigned
No exact matches.



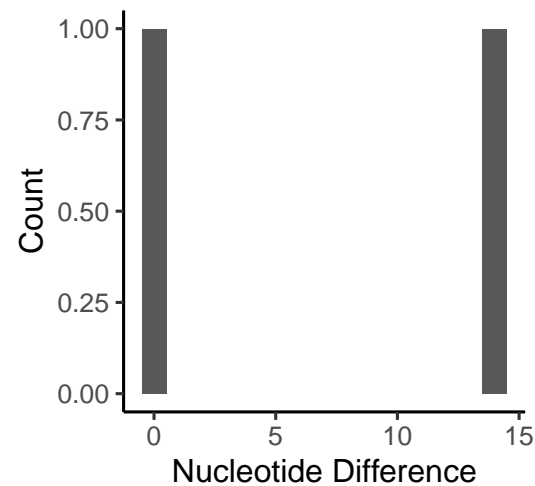
IGHV4-31*02

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



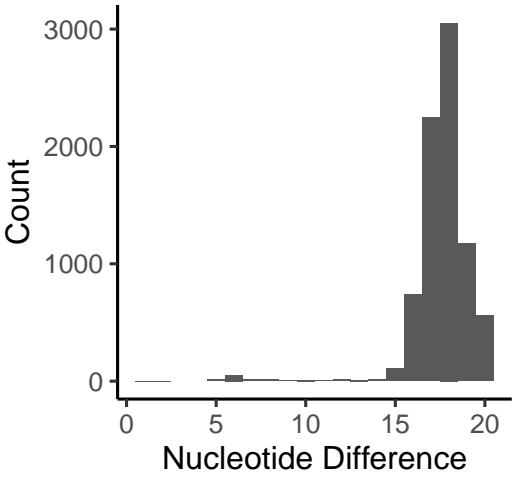
IGHV4-39*01_05

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



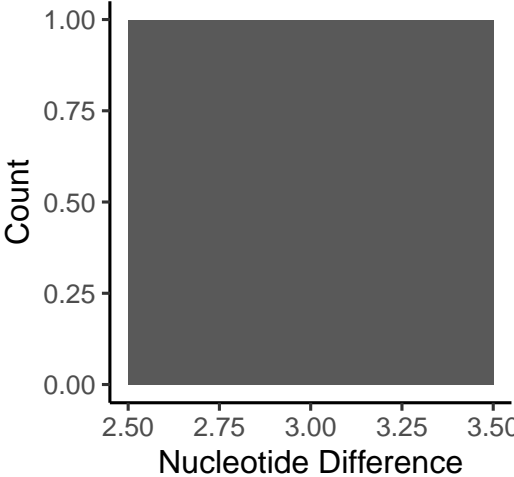
IGHV4-59*01_07

8801 sequences assigned
No exact matches.



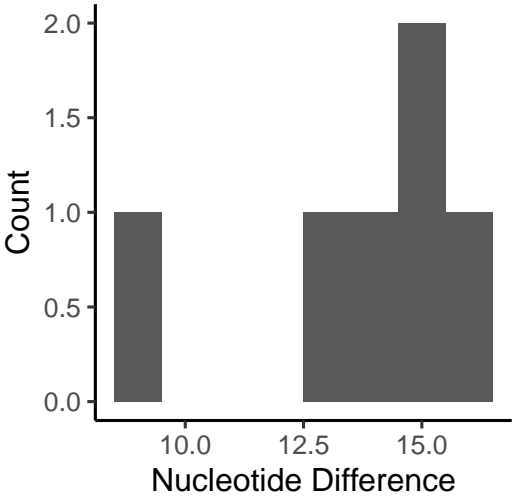
IGHV5-51*01_03

1 sequences assigned
No exact matches.



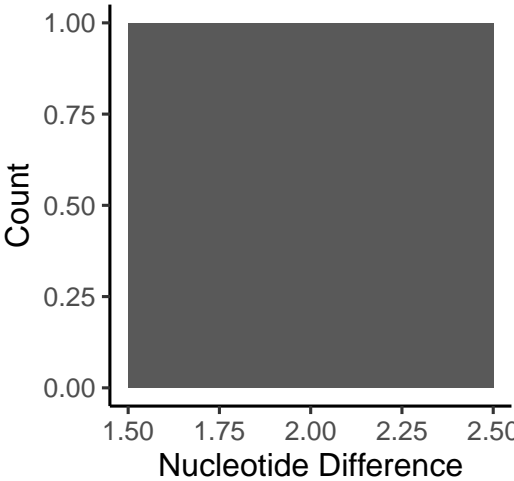
IGHV4-61*08

9 sequences assigned
No exact matches.



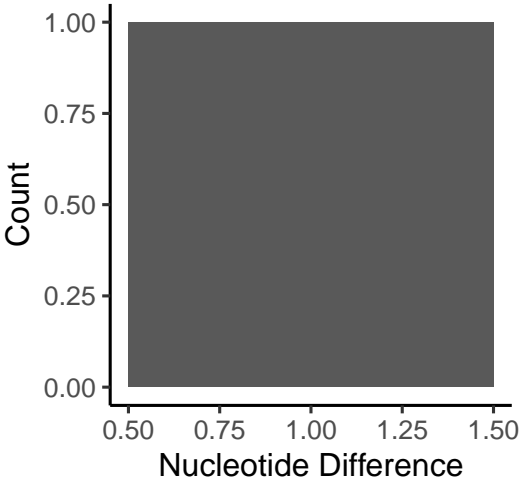
IGHV7-4-1*02

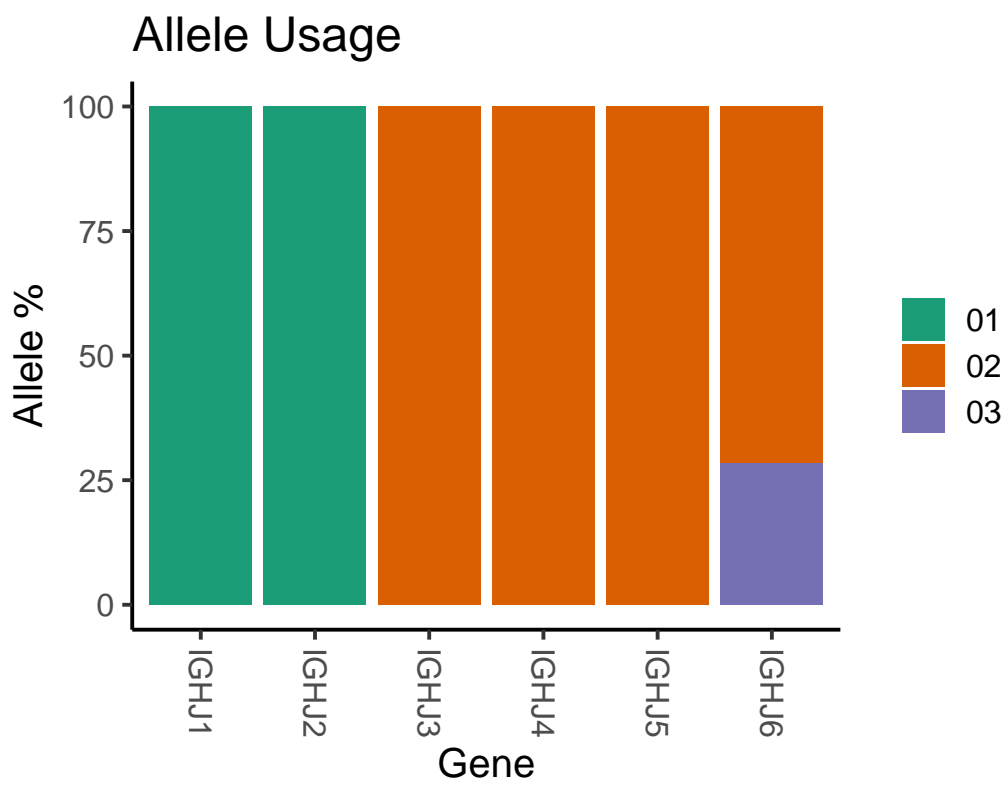
1 sequences assigned
No exact matches.



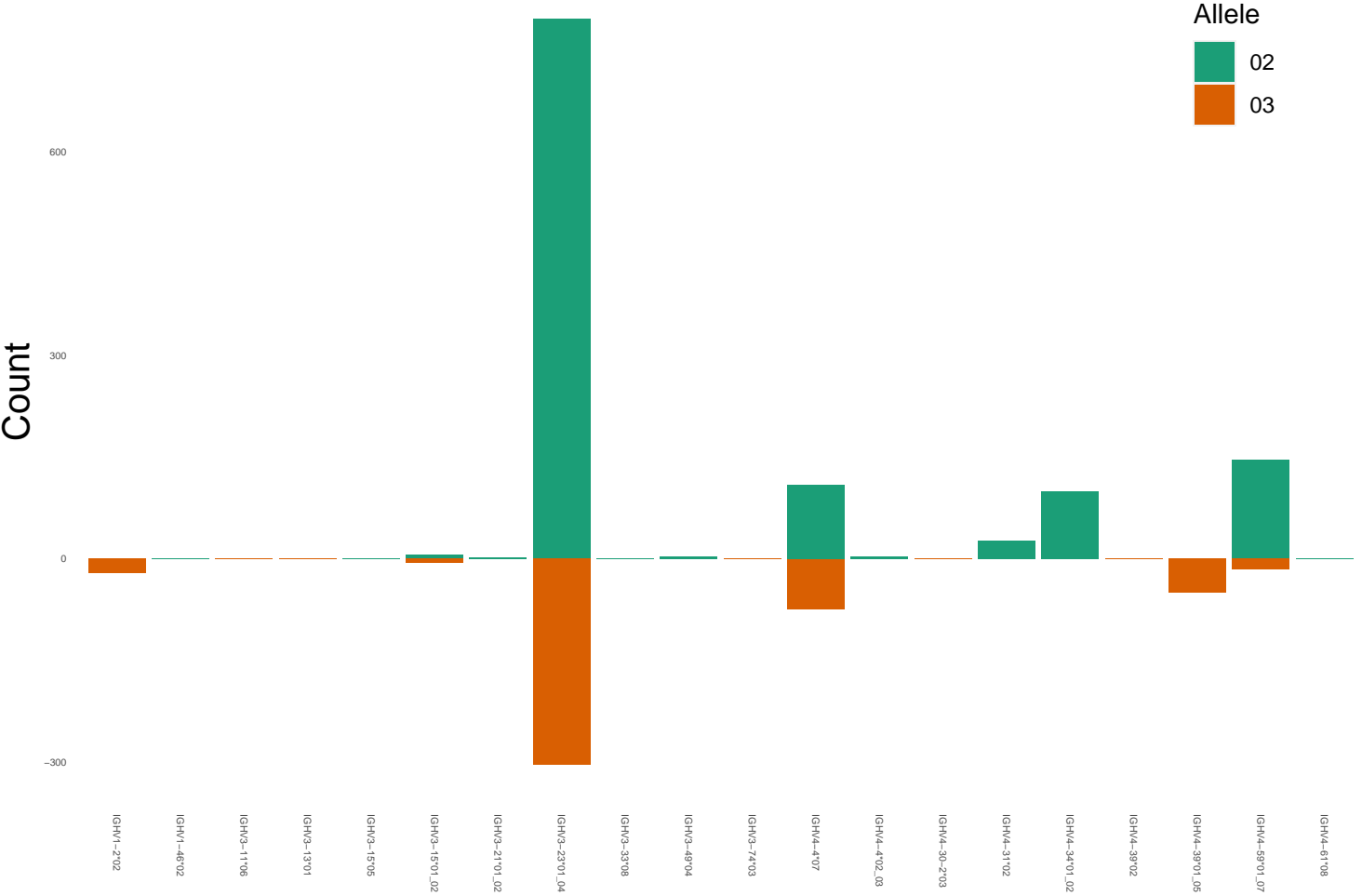
IGHV5-10-1*01_03

2 sequences assigned
No exact matches.





Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

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