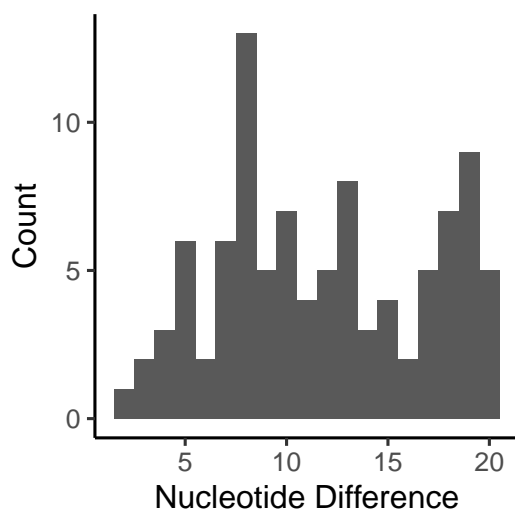


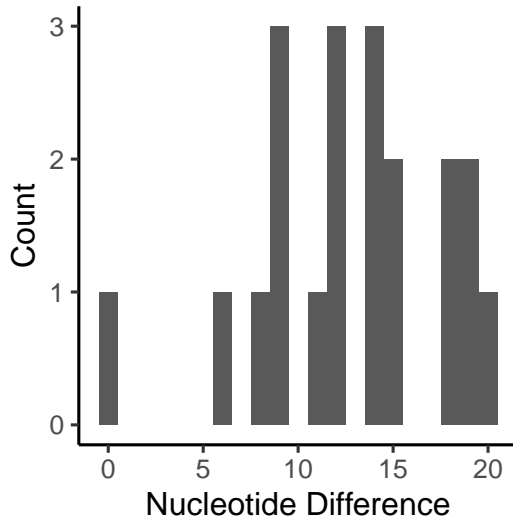
IGHV1-2*06

127 sequences assigned
No exact matches.



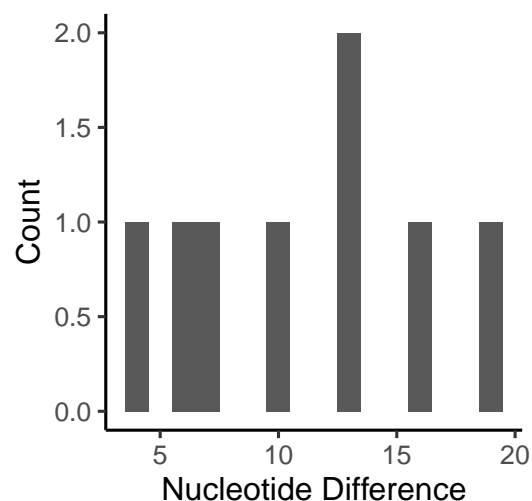
IGHV1-24*01

35 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
1 unique J



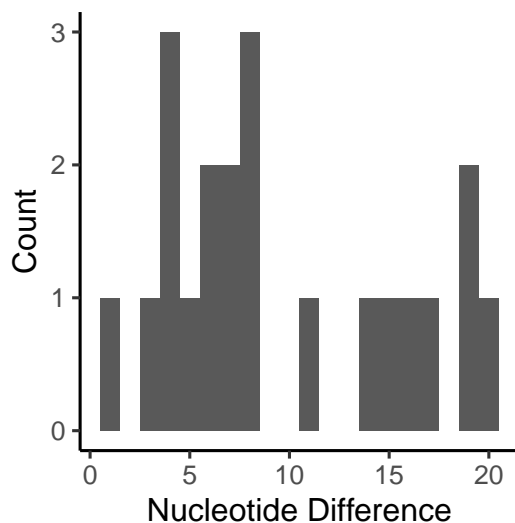
IGHV1-69*10

14 sequences assigned
No exact matches.



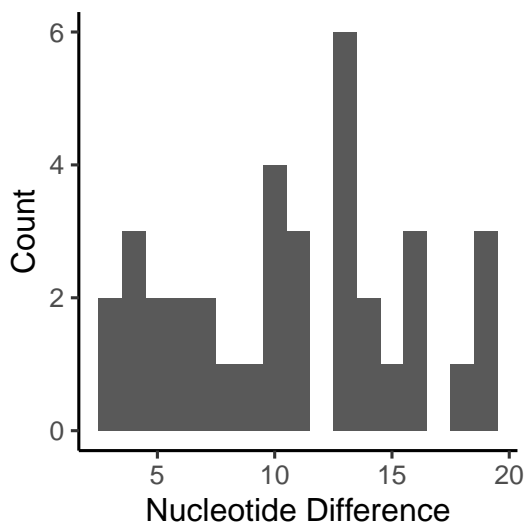
IGHV1-8*01

31 sequences assigned
No exact matches.



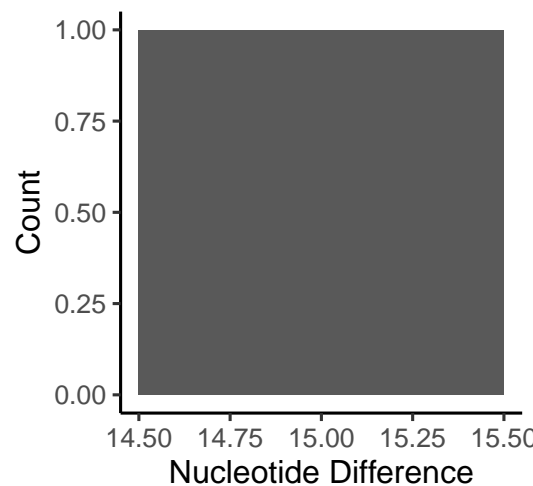
IGHV1-46*01

50 sequences assigned
No exact matches.



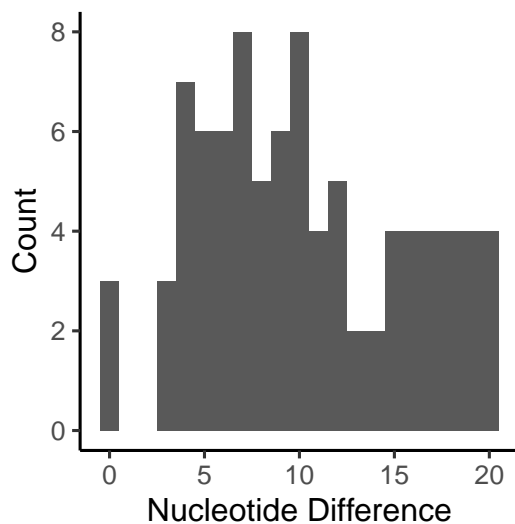
IGHV1-69*17

3 sequences assigned
No exact matches.



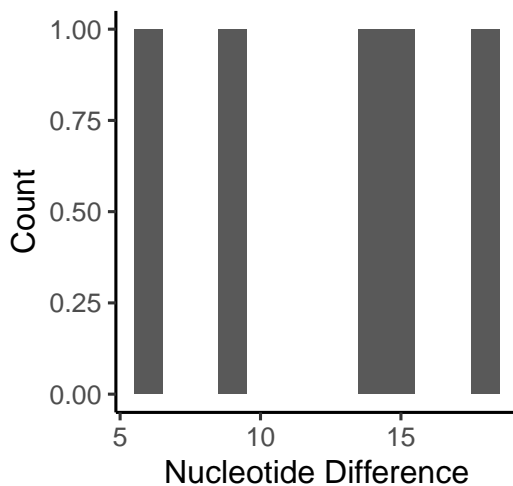
IGHV1-18*01

133 sequences assigned
3 (2.3%) exact matches, in which:
3 unique CDR3
2 unique J



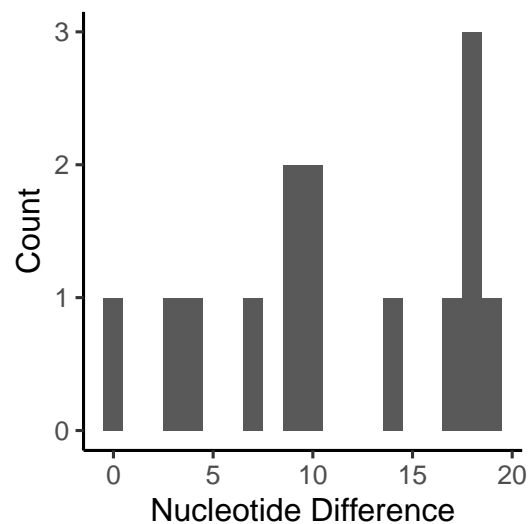
IGHV1-58*02

5 sequences assigned
No exact matches.



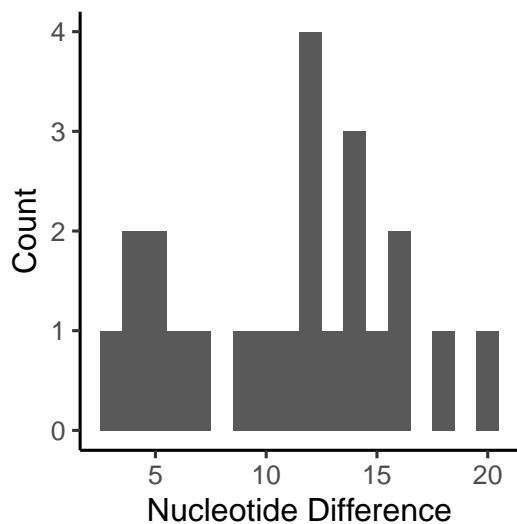
IGHV1-69*04_09

34 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
0 unique J



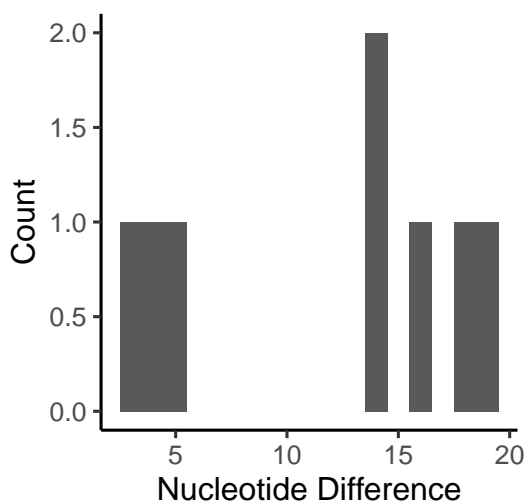
IGHV2-5*01

30 sequences assigned
No exact matches.



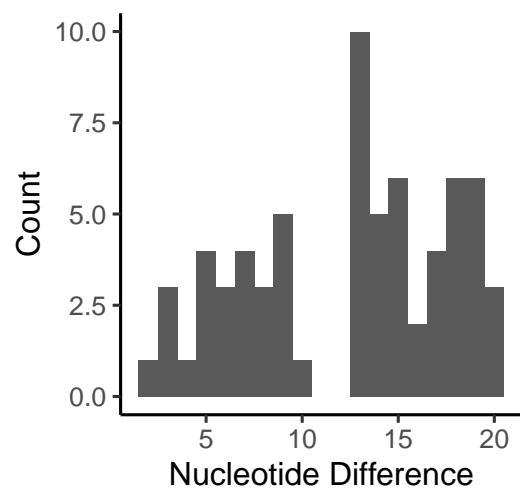
IGHV2-70*11_15

10 sequences assigned
No exact matches.



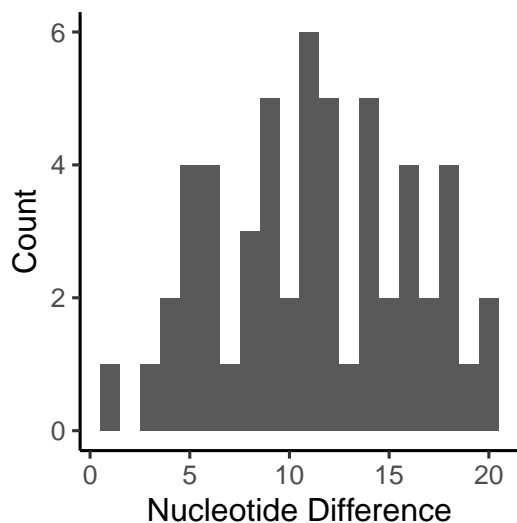
IGHV3-7*05

92 sequences assigned
No exact matches.



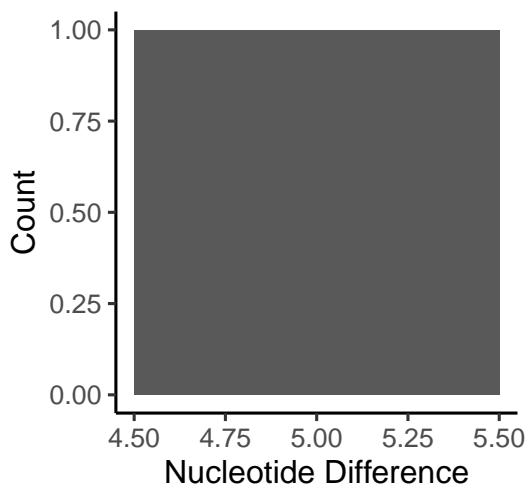
IGHV2-5*02

73 sequences assigned
No exact matches.



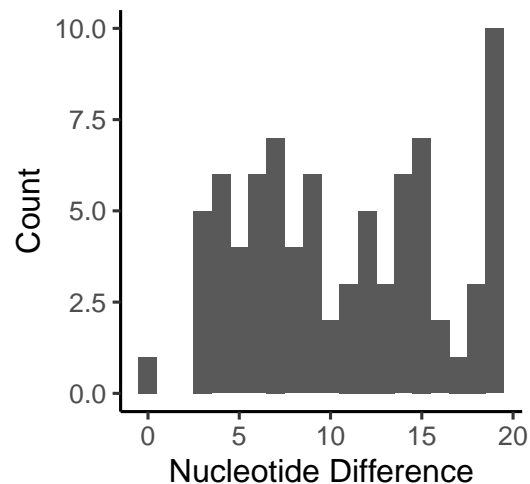
IGHV2-70*16_17

2 sequences assigned
No exact matches.



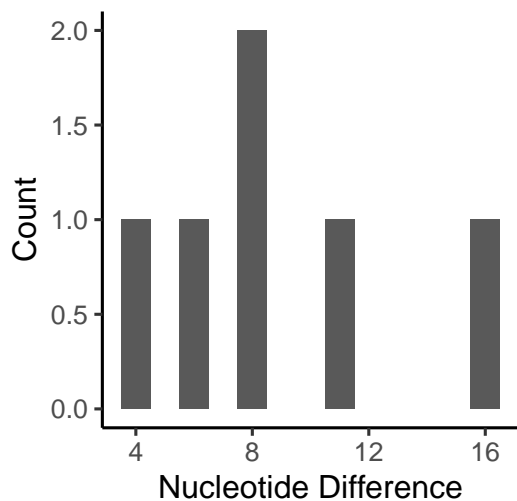
IGHV3-9*01

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



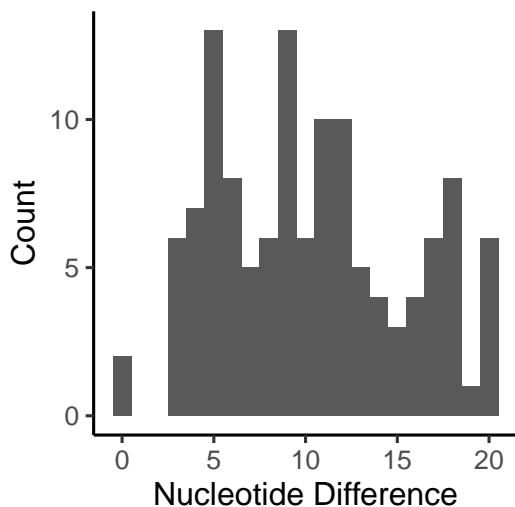
IGHV2-26*01

10 sequences assigned
No exact matches.



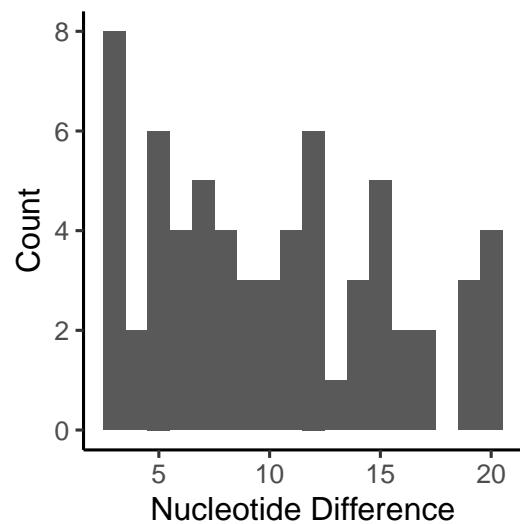
IGHV3-7*01

146 sequences assigned
2 (1.4%) exact matches, in which:
2 unique CDR3
2 unique J



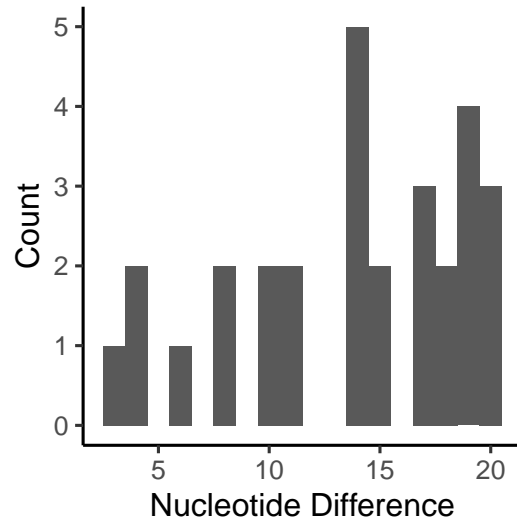
IGHV3-11*01

91 sequences assigned
No exact matches.



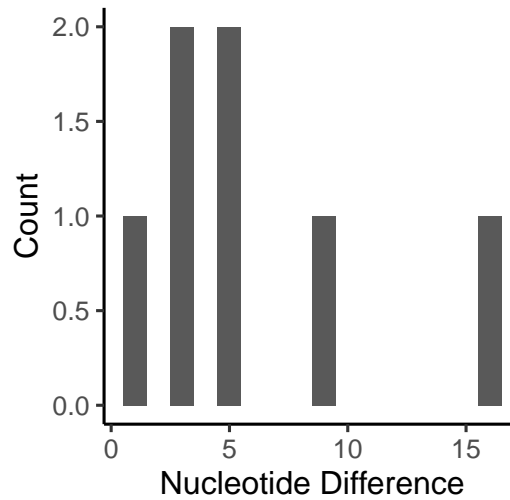
IGHV3-11*06

35 sequences assigned
No exact matches.



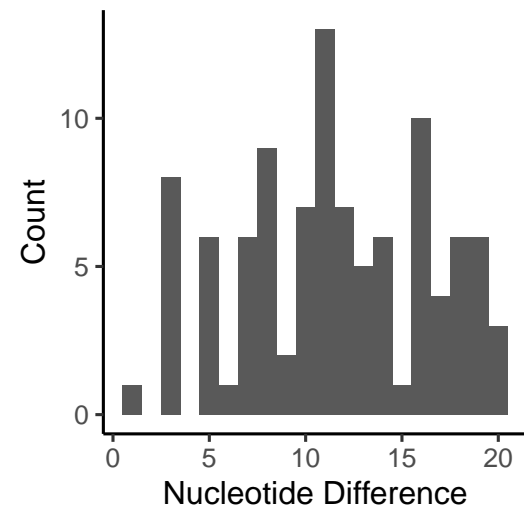
IGHV3-20*01_02

7 sequences assigned
No exact matches.



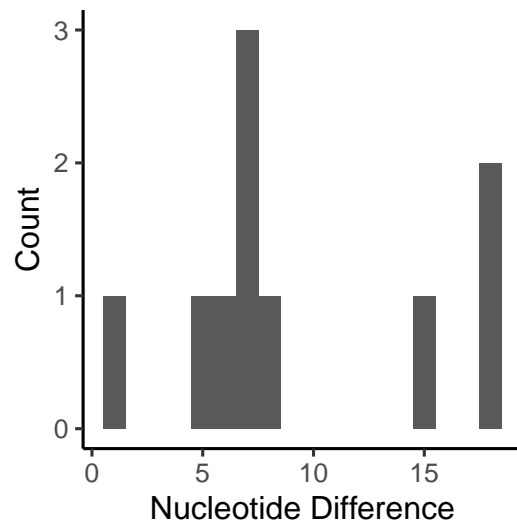
IGHV3-21*01_02

142 sequences assigned
No exact matches.



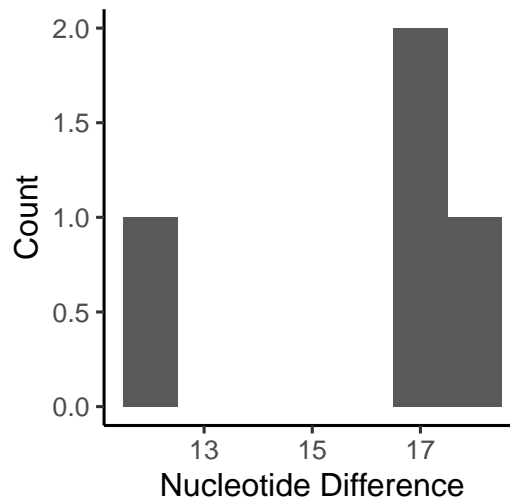
IGHV3-13*01

14 sequences assigned
No exact matches.



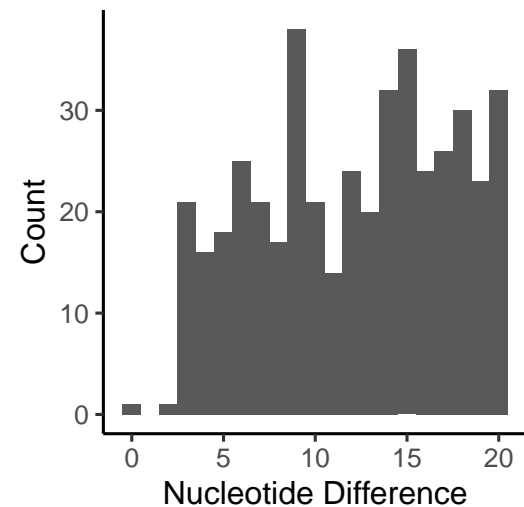
IGHV3-20*03_04

9 sequences assigned
No exact matches.



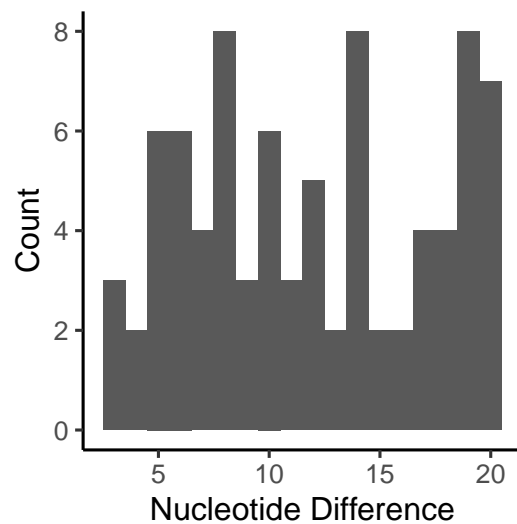
IGHV3-23*01_04

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



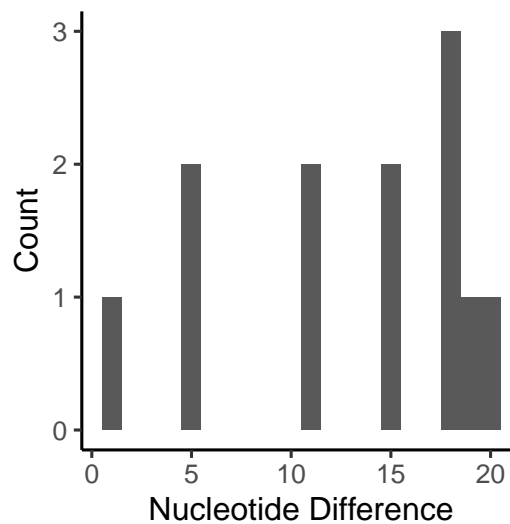
IGHV3-15*01_02

116 sequences assigned
No exact matches.



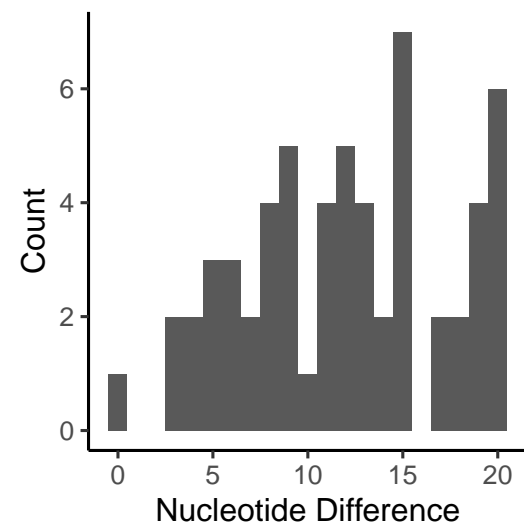
IGHV3-21*06

30 sequences assigned
No exact matches.



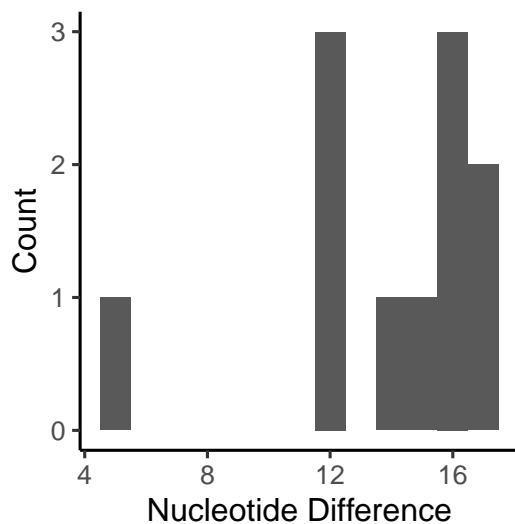
IGHV3-30-3*01

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



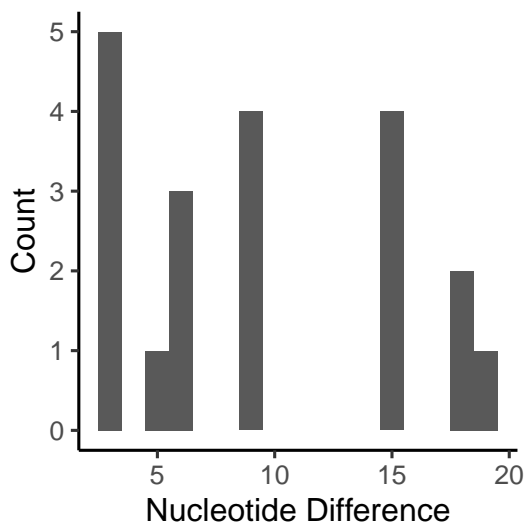
IGHV3-30*03

25 sequences assigned
No exact matches.



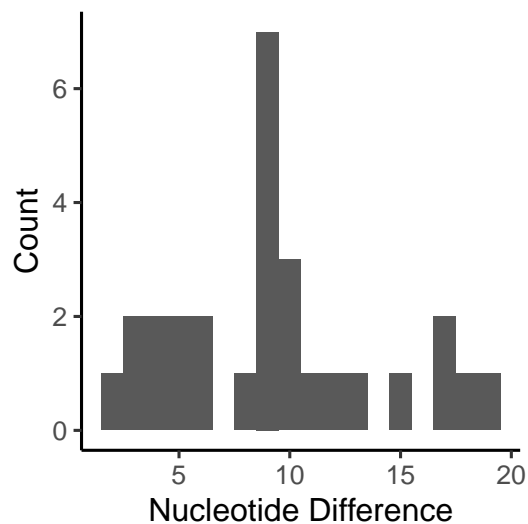
IGHV3-43*01

33 sequences assigned
No exact matches.



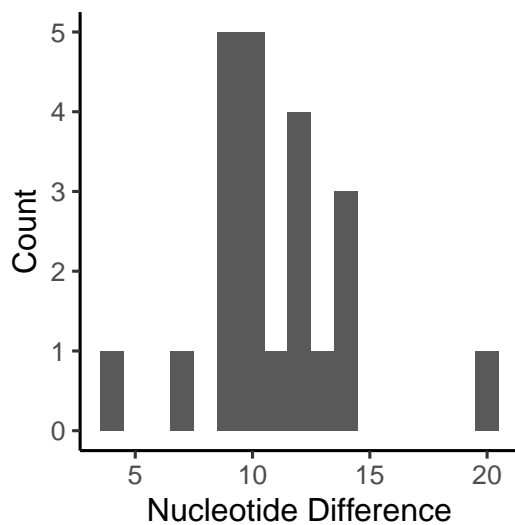
IGHV3-53*04

40 sequences assigned
No exact matches.



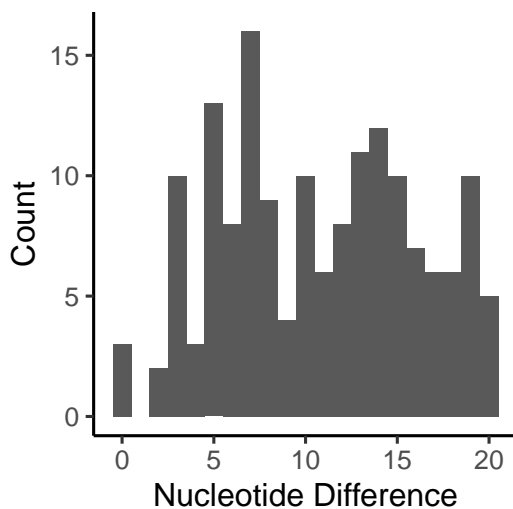
IGHV3-33*01

30 sequences assigned
No exact matches.



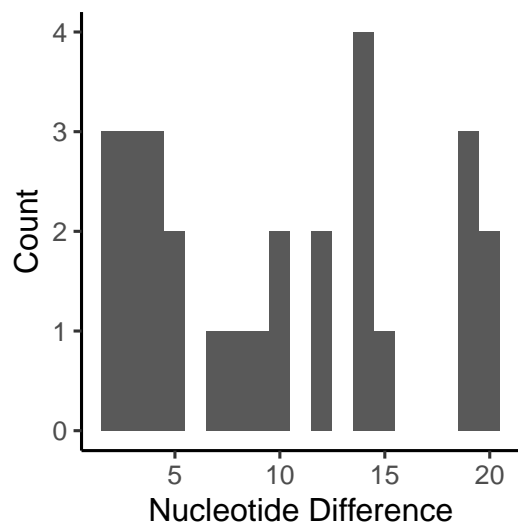
IGHV3-48*04

211 sequences assigned
3 (1.4%) exact matches, in which:
2 unique CDR3
1 unique J



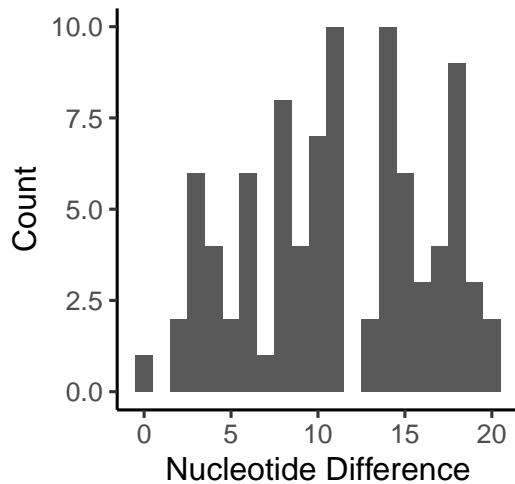
IGHV3-64*01

35 sequences assigned
No exact matches.



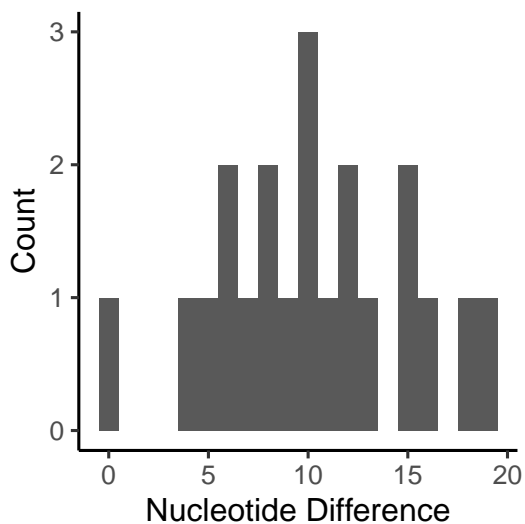
IGHV3-33*06

107 sequences assigned
1 (0.9%) exact matches, in which:
1 unique CDR3
1 unique J



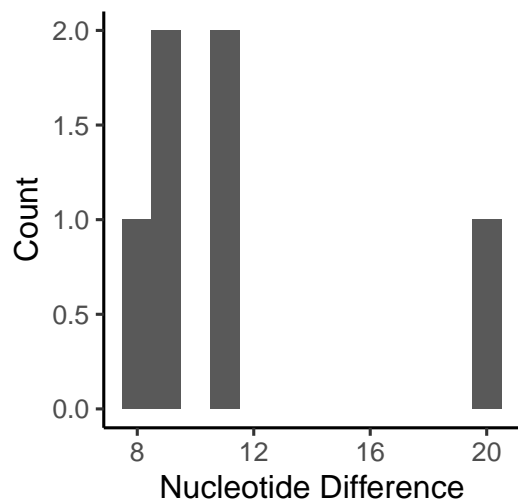
IGHV3-49*03_05

35 sequences assigned
1 (2.9%) exact matches, in which:
1 unique CDR3
1 unique J



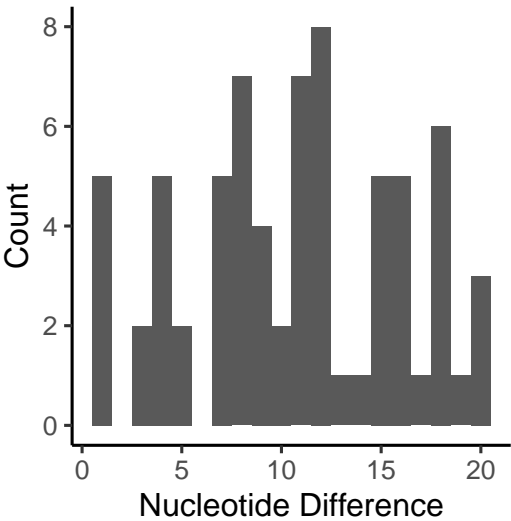
IGHV3-64*02_07

7 sequences assigned
No exact matches.



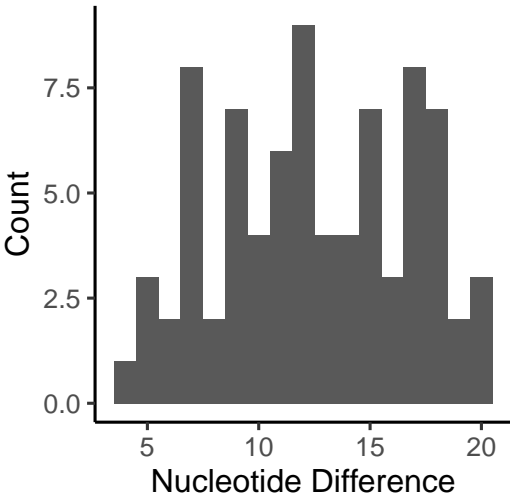
IGHV3-66*01

97 sequences assigned
No exact matches.



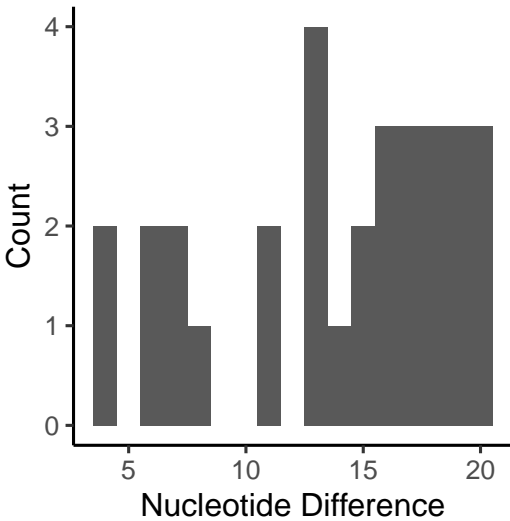
IGHV3-74*03

102 sequences assigned
No exact matches.



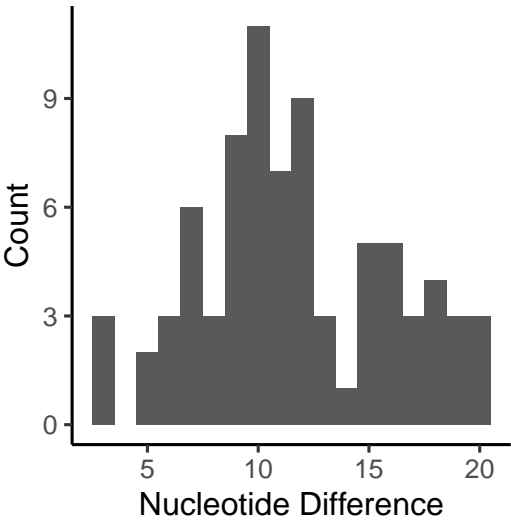
IGHV3-64D*06

55 sequences assigned
No exact matches.



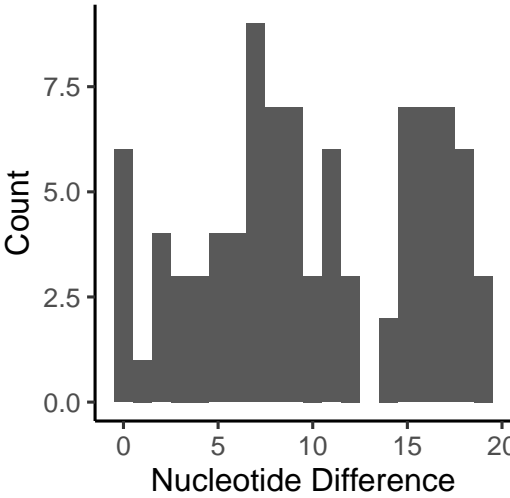
IGHV3-72*01

93 sequences assigned
No exact matches.



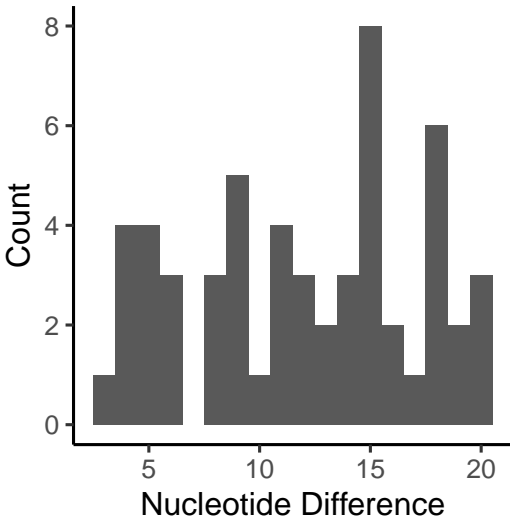
IGHV3-74*01_02

96 sequences assigned
6 (6.2%) exact matches, in which:
3 unique CDR3
3 unique J



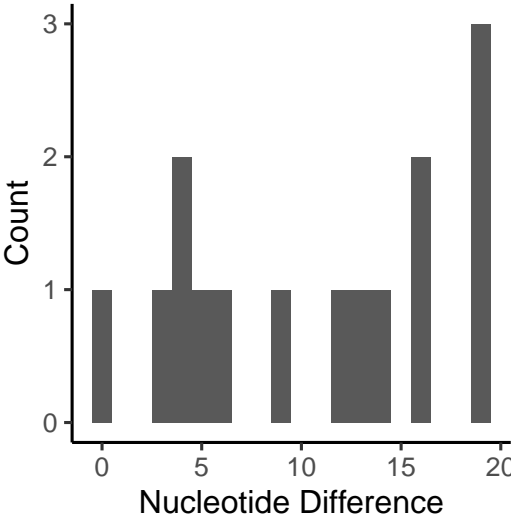
IGHV4-4*02_03

80 sequences assigned
No exact matches.



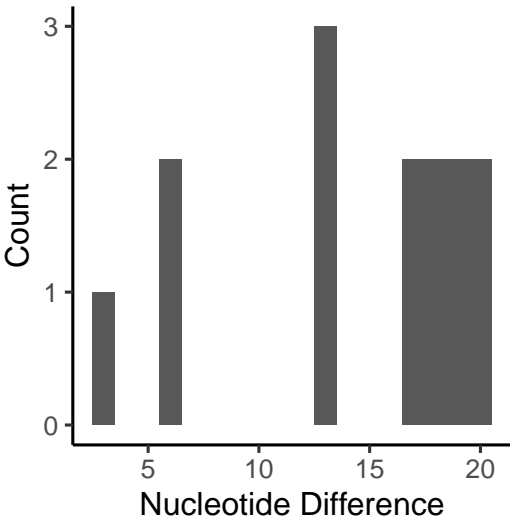
IGHV3-73*01_02

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



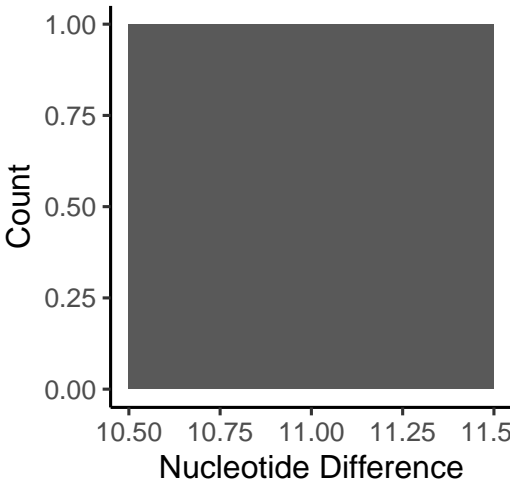
IGHV3-43D*03

26 sequences assigned
No exact matches.



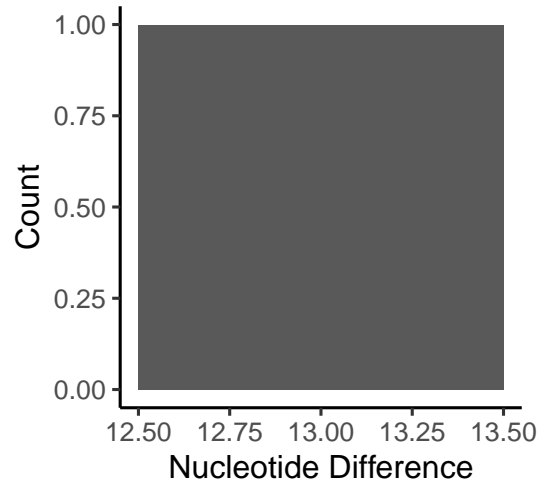
IGHV4-28*01_07

1 sequences assigned
No exact matches.



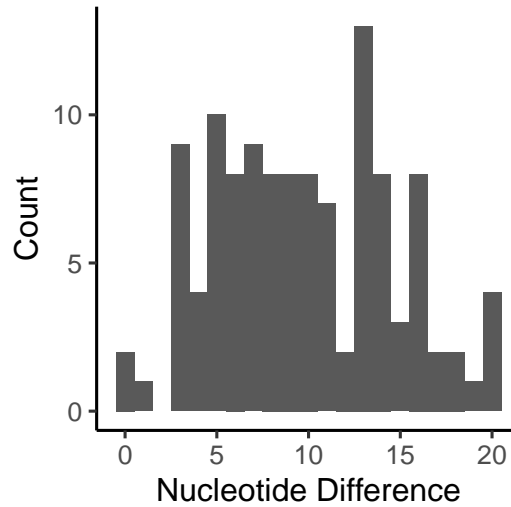
IGHV4-28*02_05

1 sequences assigned
No exact matches.



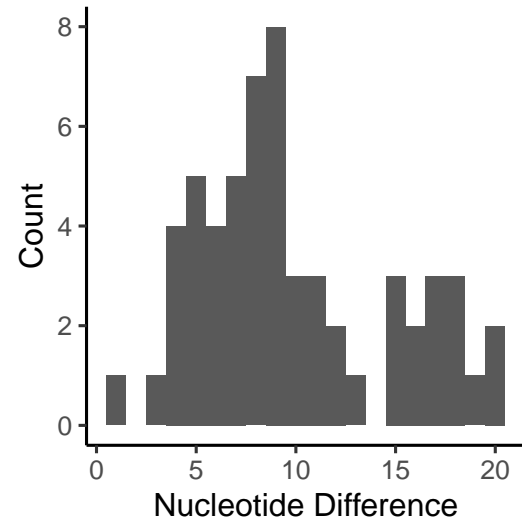
IGHV4-34*01_02

160 sequences assigned
2 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



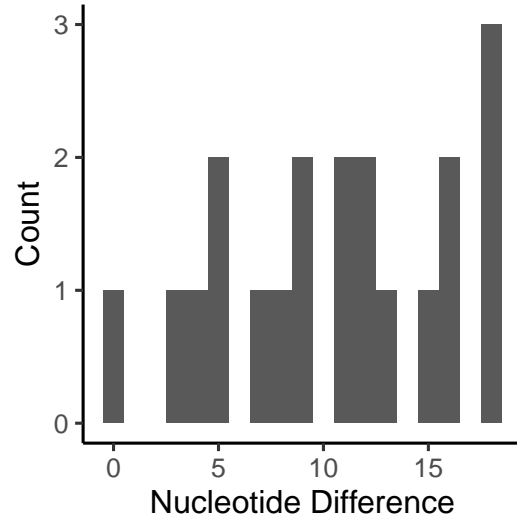
IGHV4-59*02

94 sequences assigned
No exact matches.



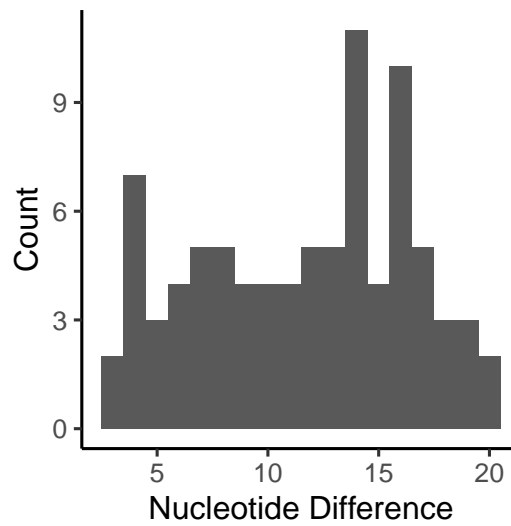
IGHV4-30-4*01

36 sequences assigned
1 (2.8%) exact matches, in which:
1 unique CDR3
1 unique J



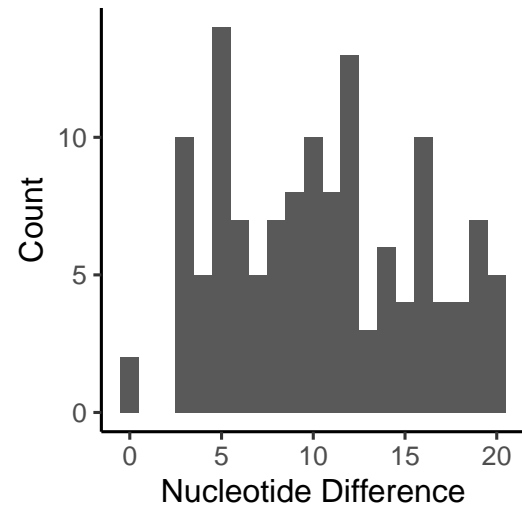
IGHV4-38-2*02

109 sequences assigned
No exact matches.



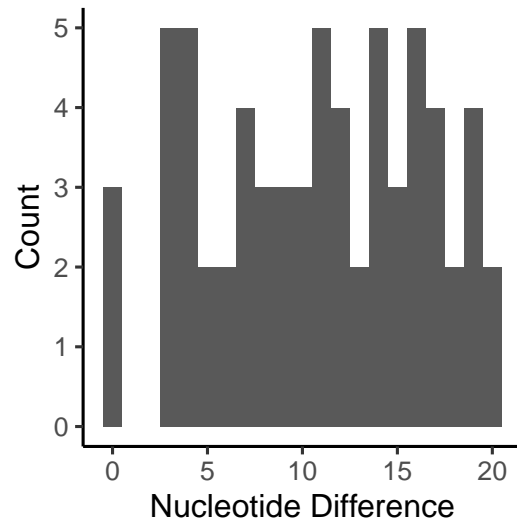
IGHV4-59*08

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



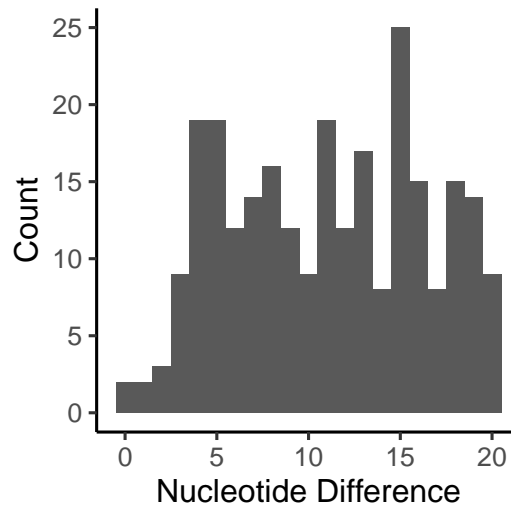
IGHV4-31*02

139 sequences assigned
3 (2.2%) exact matches, in which:
3 unique CDR3
3 unique J



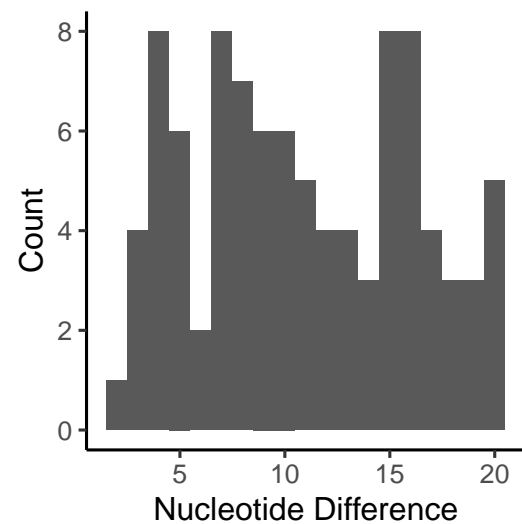
IGHV4-39*07

386 sequences assigned
2 (0.5%) exact matches, in which:
2 unique CDR3
2 unique J



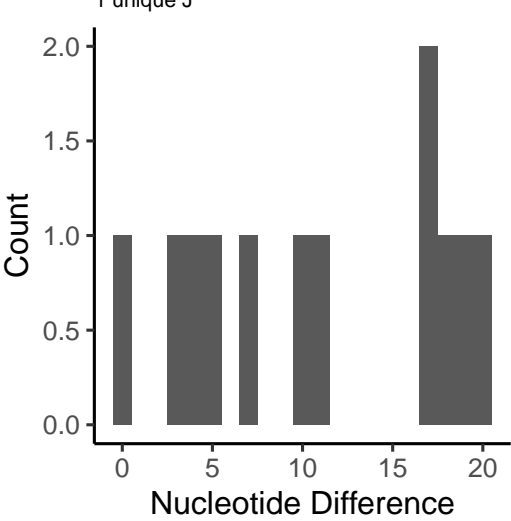
IGHV4-59*01_07

131 sequences assigned
No exact matches.



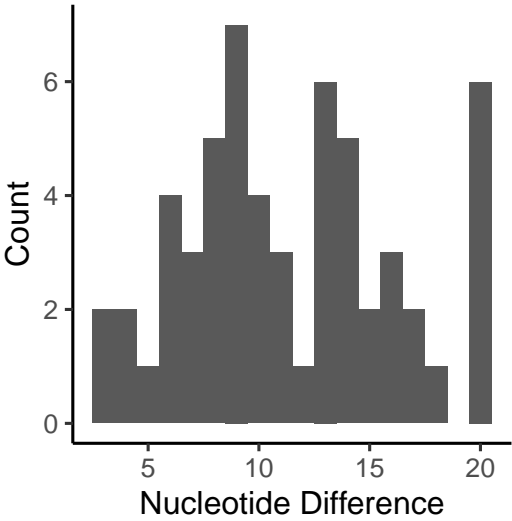
IGHV5-10-1*01_03

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



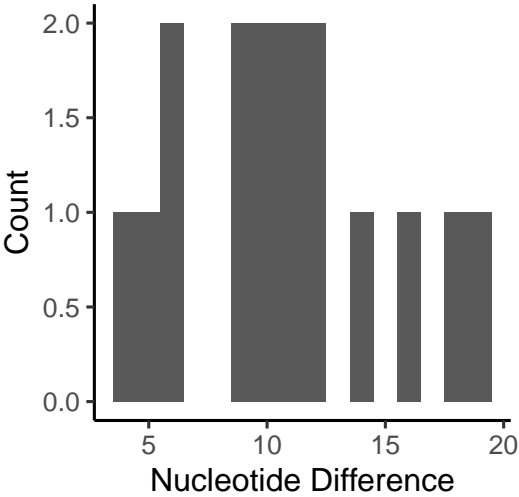
IGHV6-1*01_02

79 sequences assigned
No exact matches.



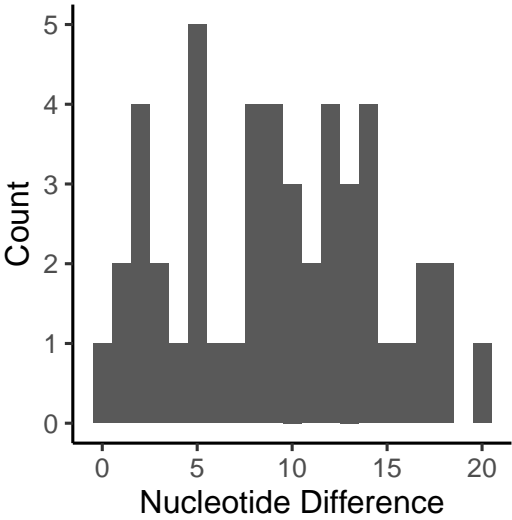
IGHV5-51*07

22 sequences assigned
No exact matches.



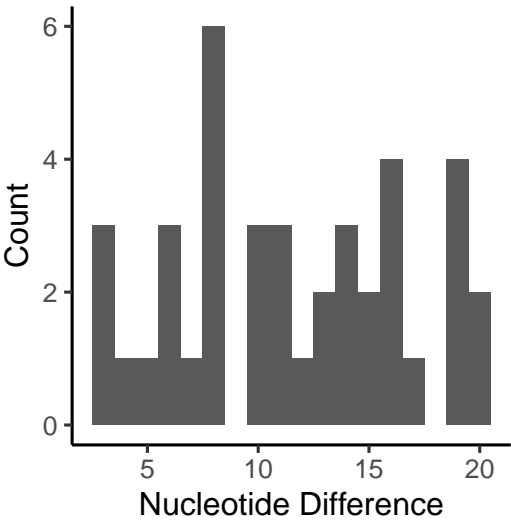
IGHV7-4-1*02

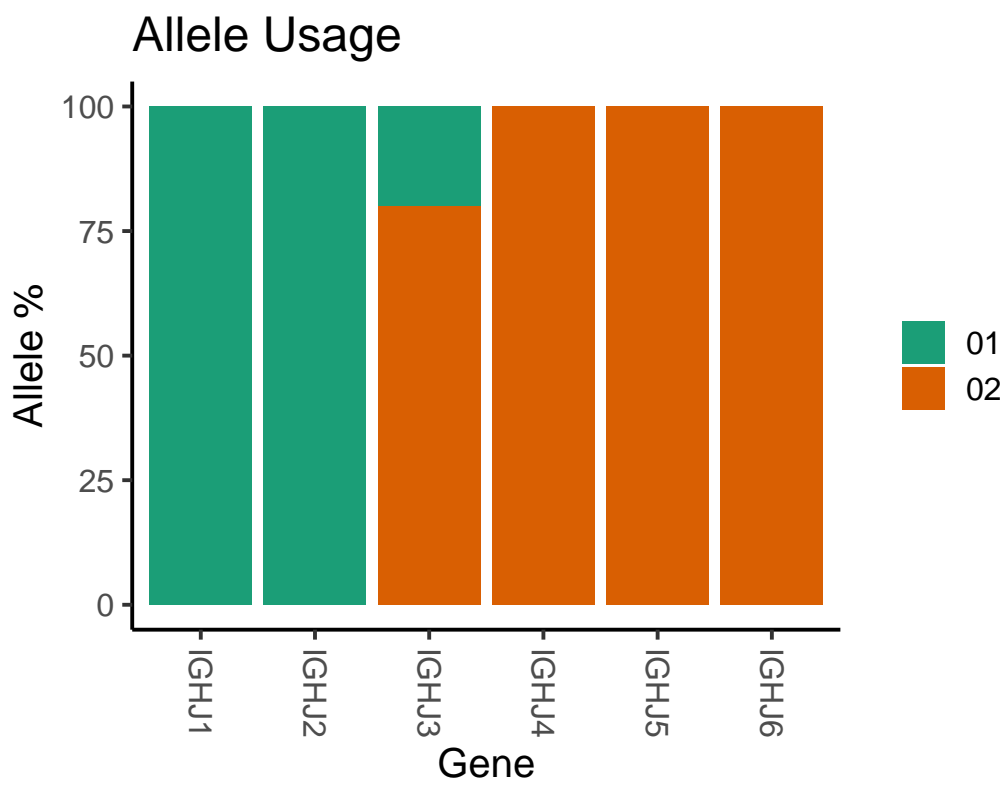
64 sequences assigned
1 (1.6%) exact matches, in which:
1 unique CDR3
1 unique J



IGHV5-51*01_03

53 sequences assigned
No exact matches.





[illegible]