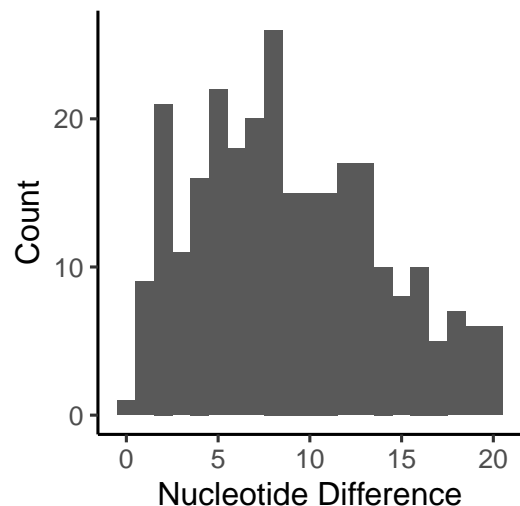


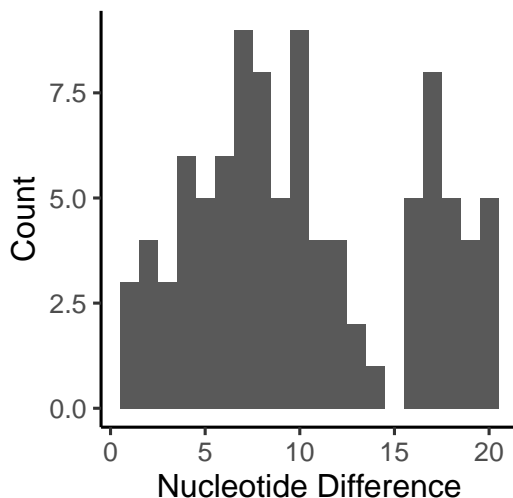
IGHV1-2*06

318 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



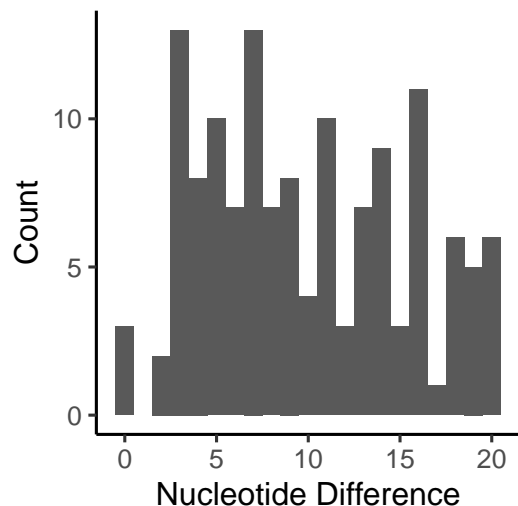
IGHV1-8*01

120 sequences assigned
No exact matches.



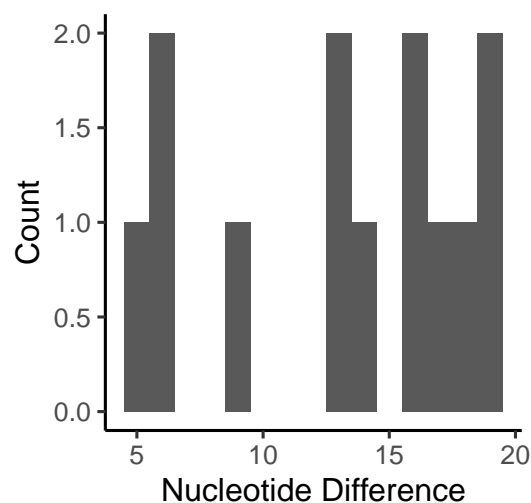
IGHV1-46*01

156 sequences assigned
3 (1.9%) exact matches, in which:
3 unique CDR3
2 unique J



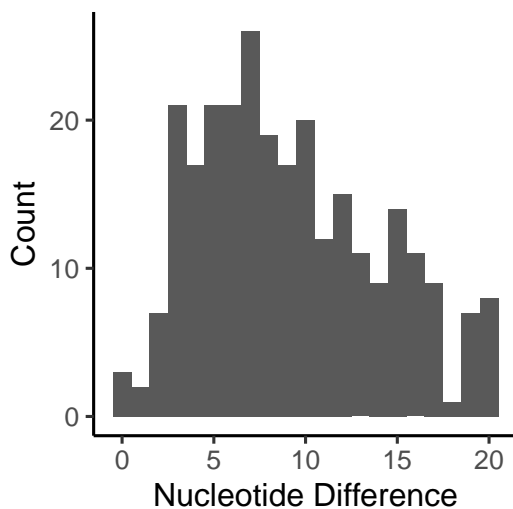
IGHV1-3*04

22 sequences assigned
No exact matches.



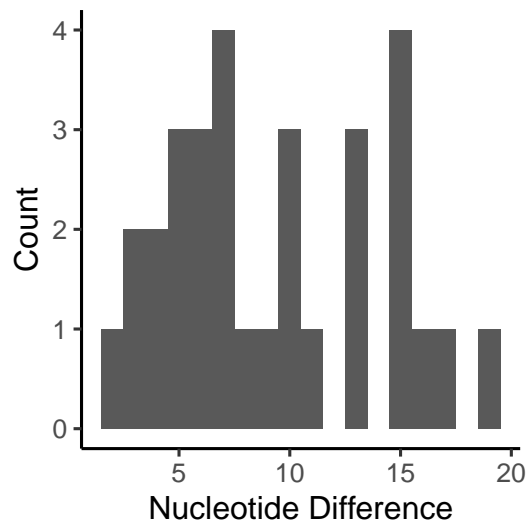
IGHV1-18*01

330 sequences assigned
3 (0.9%) exact matches, in which:
3 unique CDR3
2 unique J



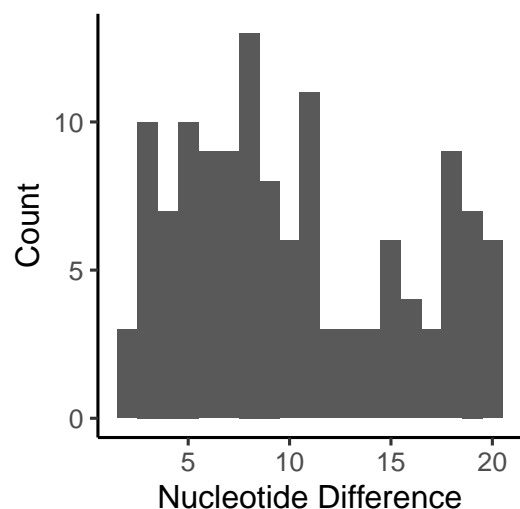
IGHV1-58*01_03

35 sequences assigned
No exact matches.



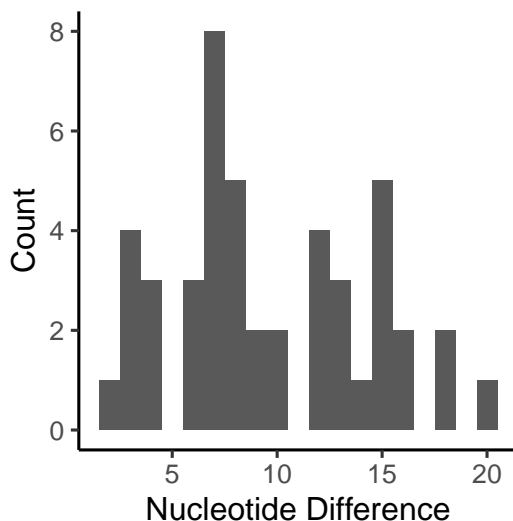
IGHV1-3*01_05

154 sequences assigned
No exact matches.



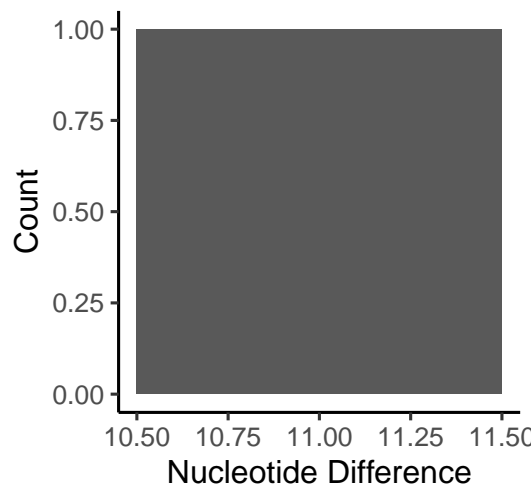
IGHV1-24*01

53 sequences assigned
No exact matches.



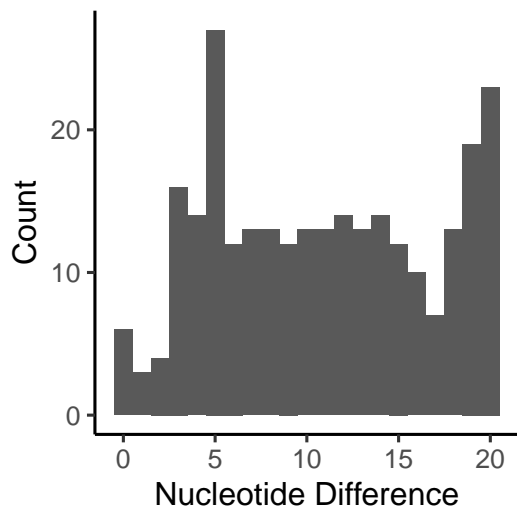
IGHV1-68*01

1 sequences assigned
No exact matches.



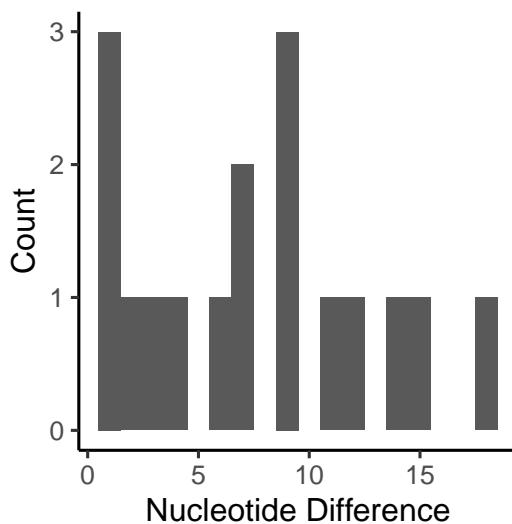
IGHV1-69*01_12_13

336 sequences assigned
6 (1.8%) exact matches, in which:
6 unique CDR3
2 unique J



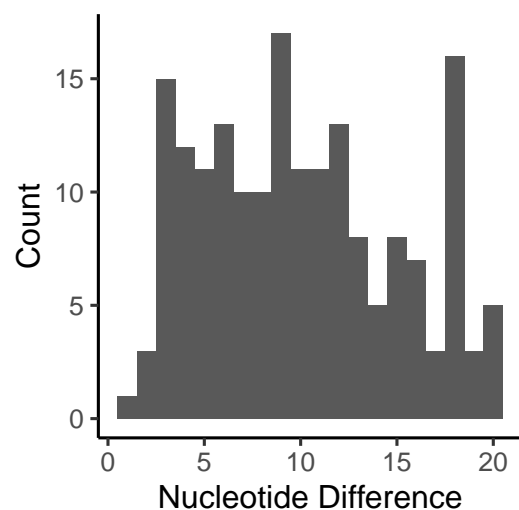
IGHV2-70*01

17 sequences assigned
No exact matches.



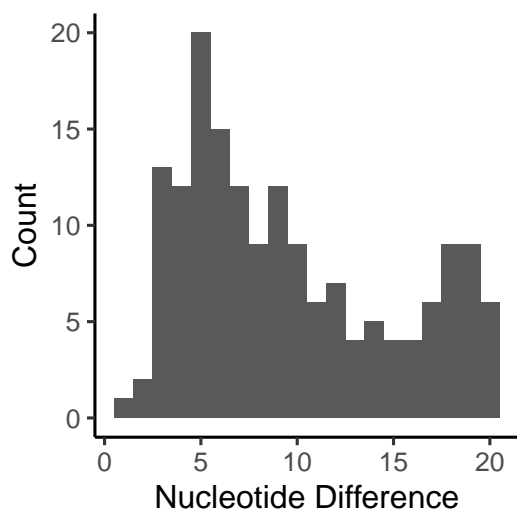
IGHV3-7*03

211 sequences assigned
No exact matches.



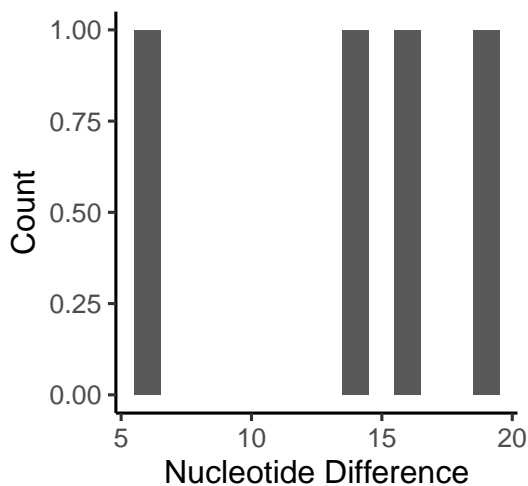
IGHV2-5*02

231 sequences assigned
No exact matches.



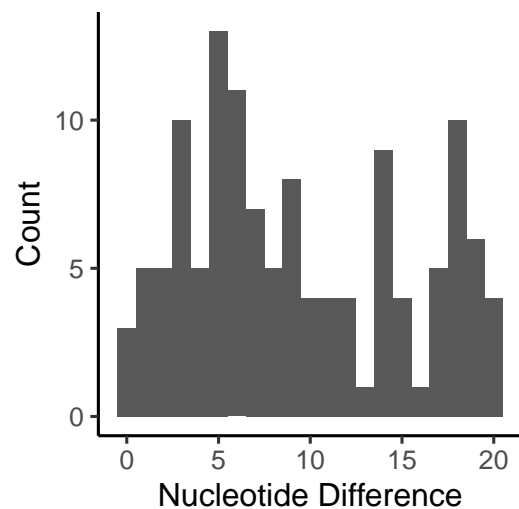
IGHV2-70*13

5 sequences assigned
No exact matches.



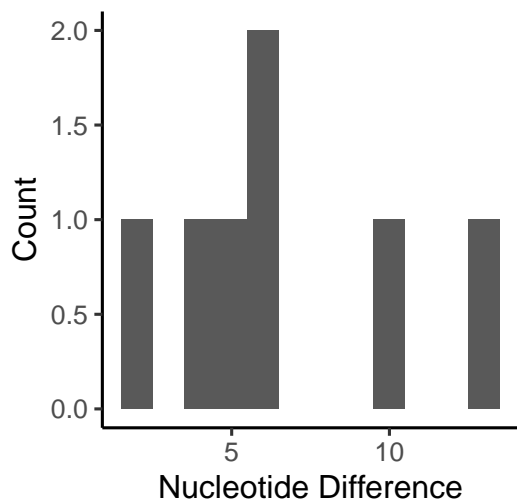
IGHV3-9*01

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



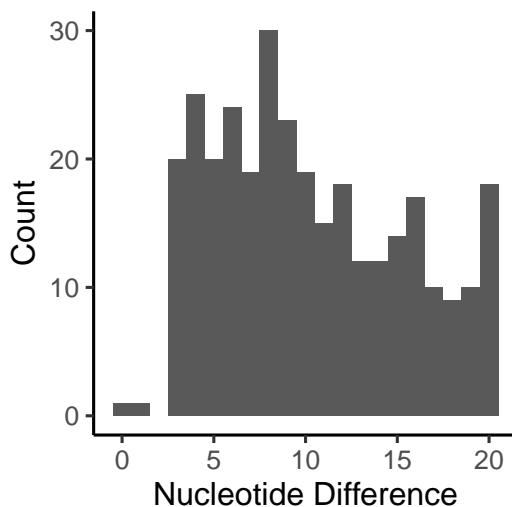
IGHV2-26*01

10 sequences assigned
No exact matches.



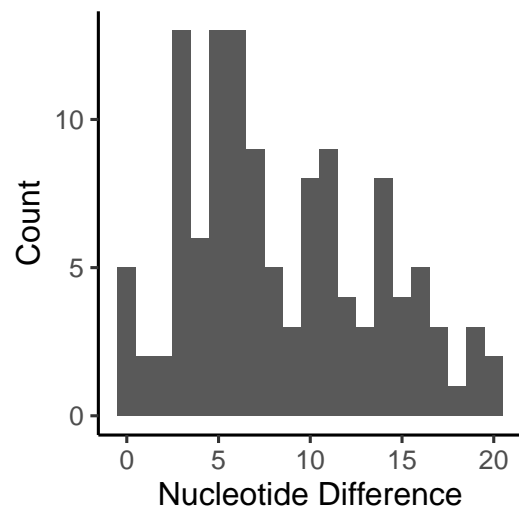
IGHV3-7*01

355 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



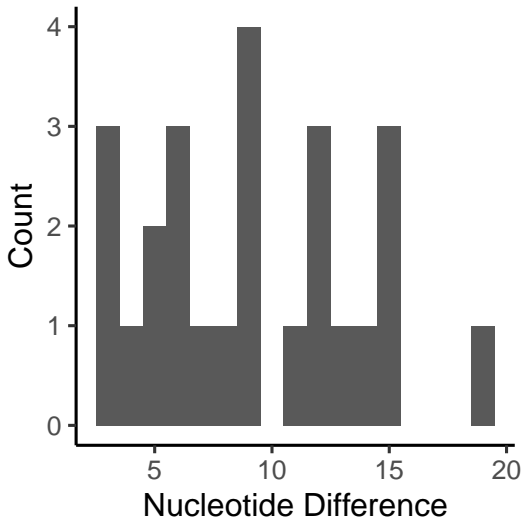
IGHV3-11*01

146 sequences assigned
5 (3.4%) exact matches, in which:
4 unique CDR3
3 unique J



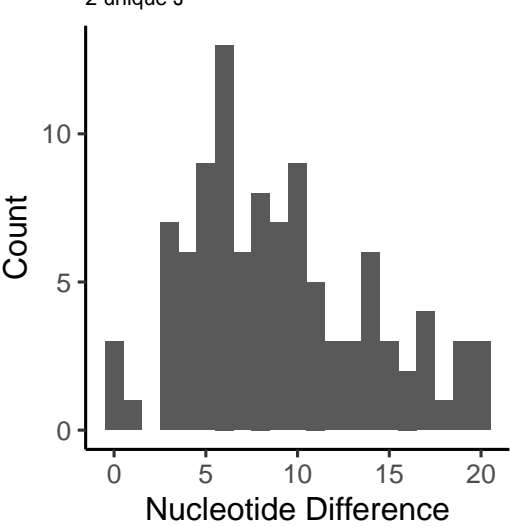
IGHV3-11*06

27 sequences assigned
No exact matches.



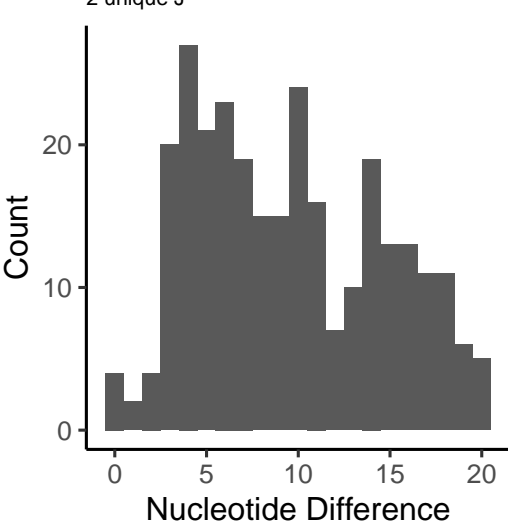
IGHV3-15*01_02

114 sequences assigned
3 (2.6%) exact matches, in which:
2 unique CDR3
2 unique J



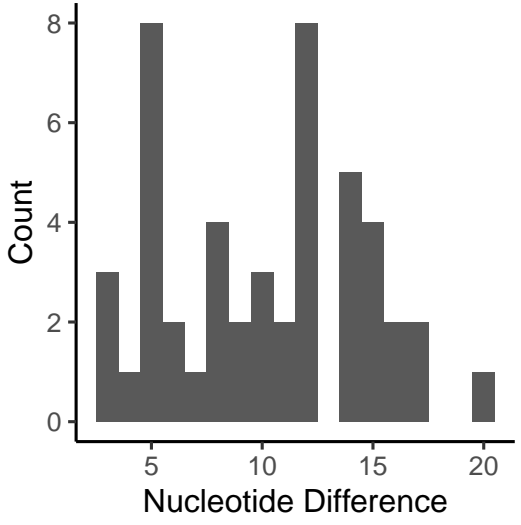
IGHV3-21*01_02

323 sequences assigned
4 (1.2%) exact matches, in which:
4 unique CDR3
2 unique J



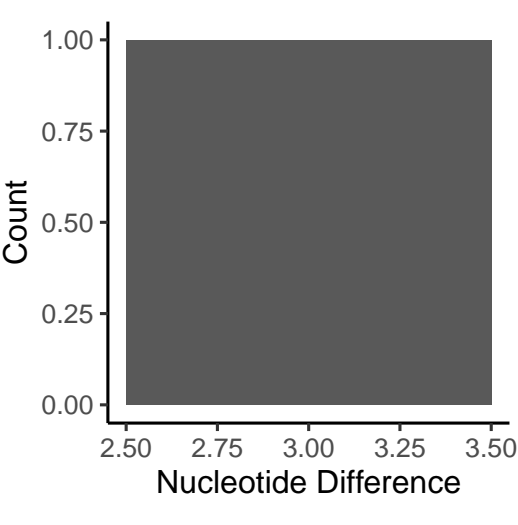
IGHV3-13*01

54 sequences assigned
No exact matches.



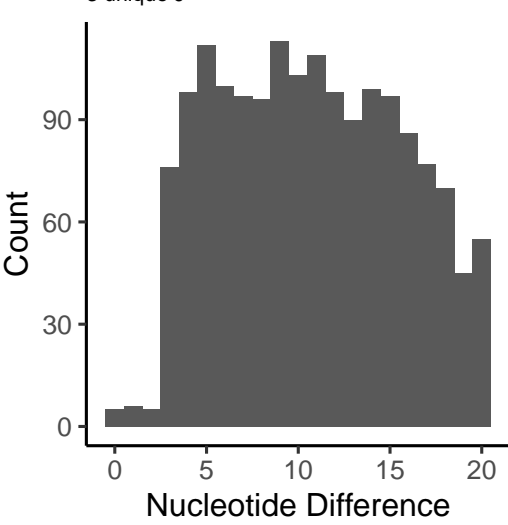
IGHV3-20*01_02

1 sequences assigned
No exact matches.



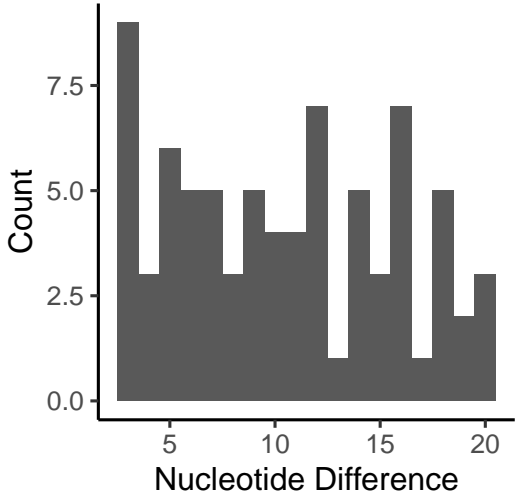
IGHV3-23*01_04

1906 sequences assigned
5 (0.3%) exact matches, in which:
5 unique CDR3
3 unique J



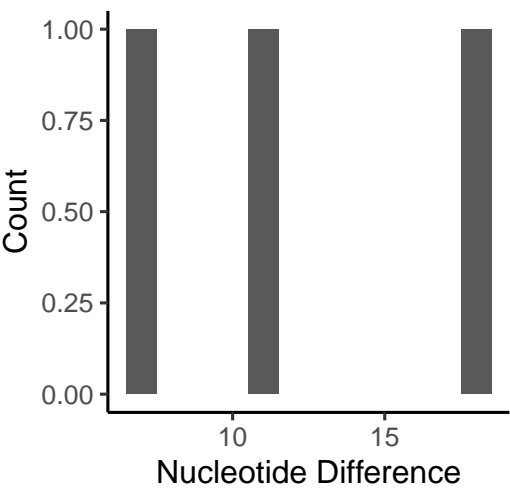
IGHV3-15*07

96 sequences assigned
No exact matches.



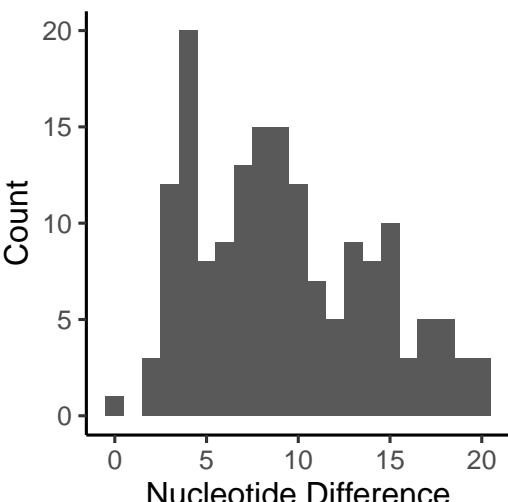
IGHV3-20*03_04

3 sequences assigned
No exact matches.



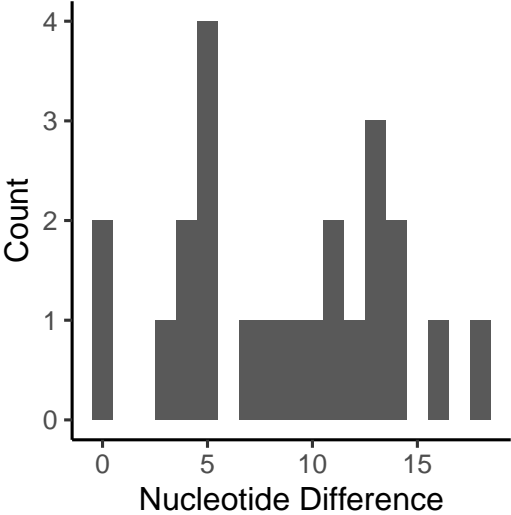
IGHV3-33*01

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



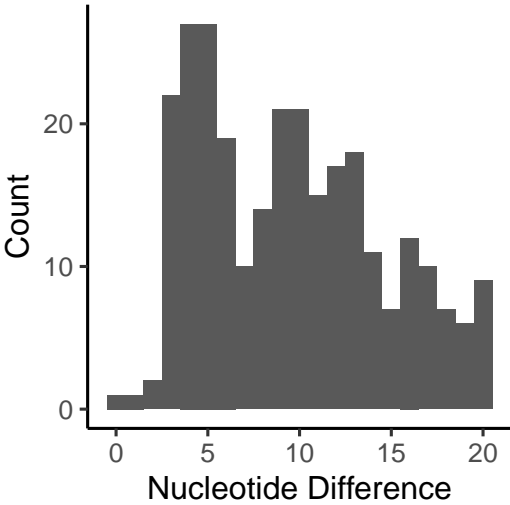
IGHV3-43*01

27 sequences assigned
2 (7.4%) exact matches, in which:
2 unique CDR3
1 unique J



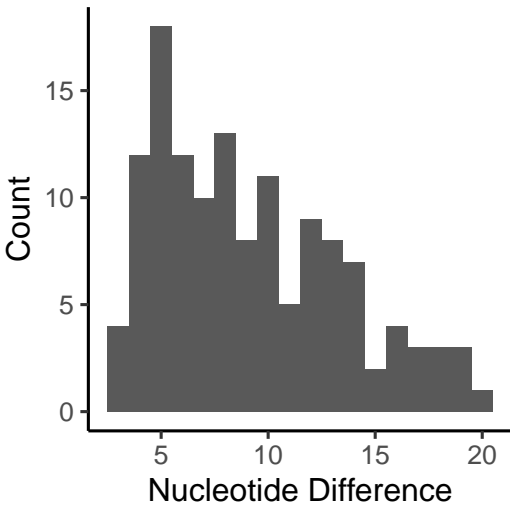
IGHV3-53*01_02

344 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



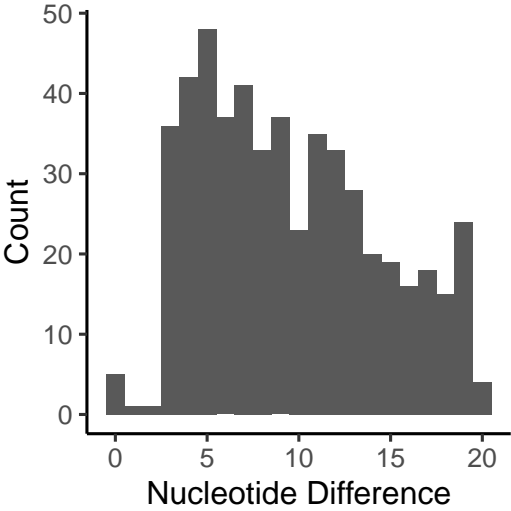
IGHV3-72*01

150 sequences assigned
No exact matches.



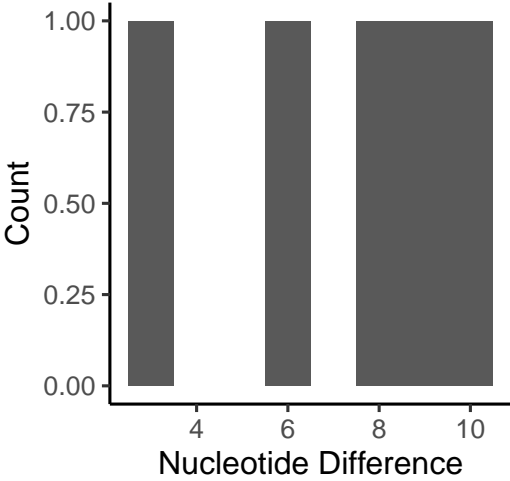
IGHV3-48*02

593 sequences assigned
5 (0.8%) exact matches, in which:
5 unique CDR3
1 unique J



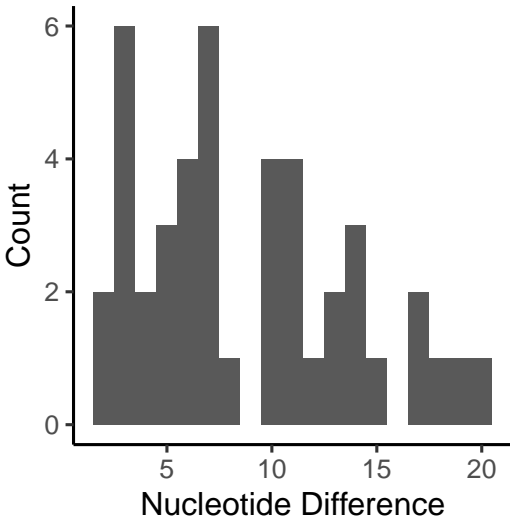
IGHV3-64*02_07

5 sequences assigned
No exact matches.



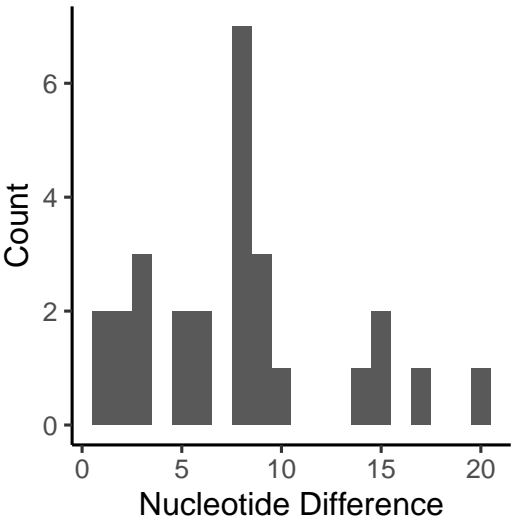
IGHV3-73*01_02

50 sequences assigned
No exact matches.



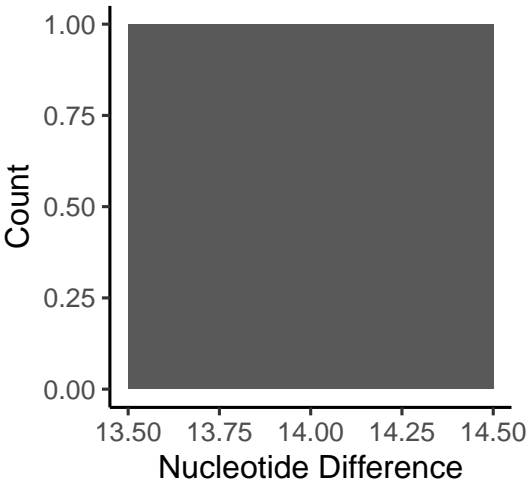
IGHV3-49*03_05

36 sequences assigned
No exact matches.



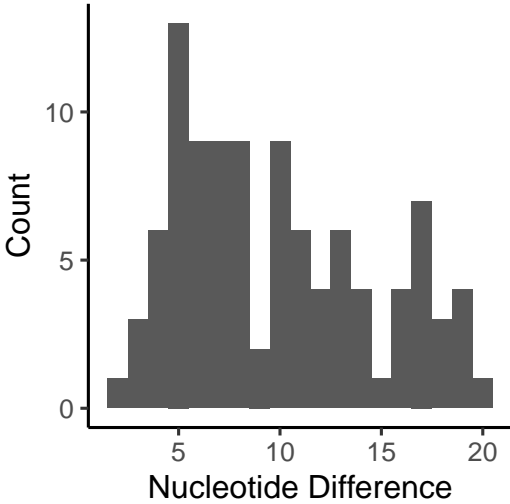
IGHV3-66*04

1 sequences assigned
No exact matches.



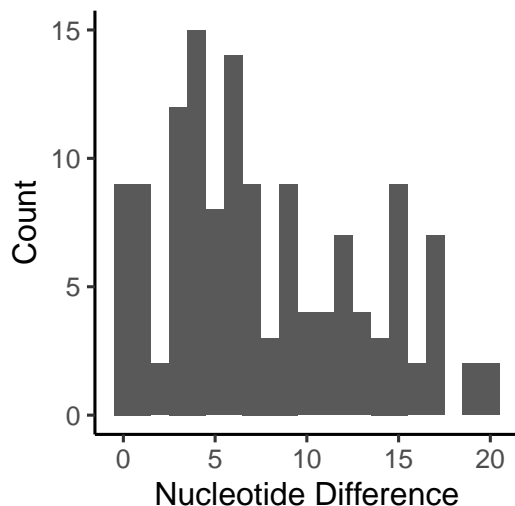
IGHV3-74*03

125 sequences assigned
No exact matches.



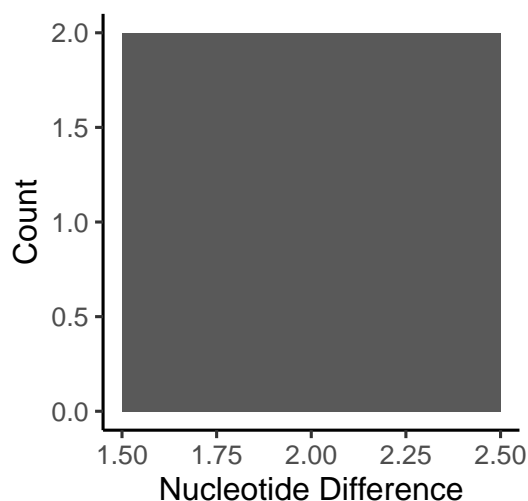
IGHV3-74*01_02

147 sequences assigned
9 (6.1%) exact matches, in which:
7 unique CDR3
2 unique J



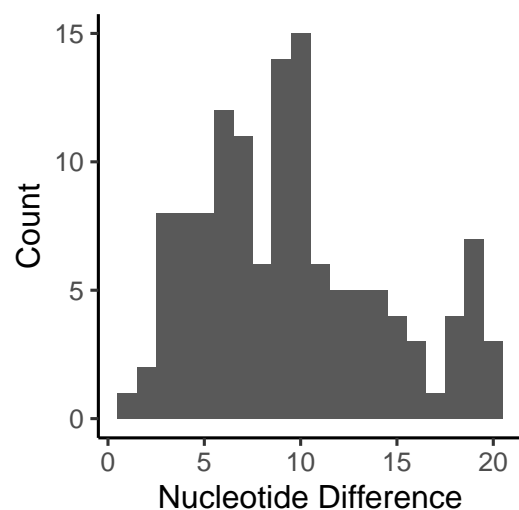
IGHV4-28*03

2 sequences assigned
No exact matches.



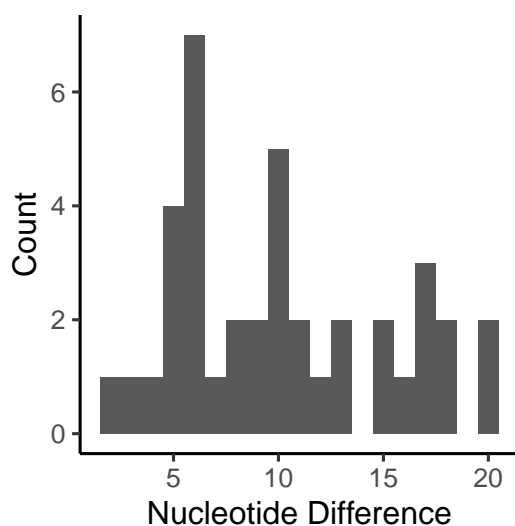
IGHV4-31*02

179 sequences assigned
No exact matches.



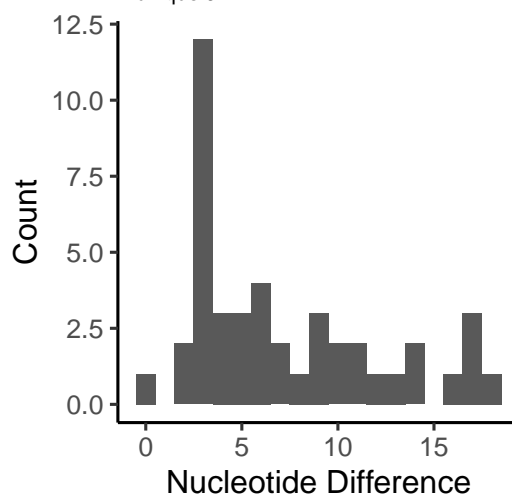
IGHV3-64D*06

46 sequences assigned
No exact matches.



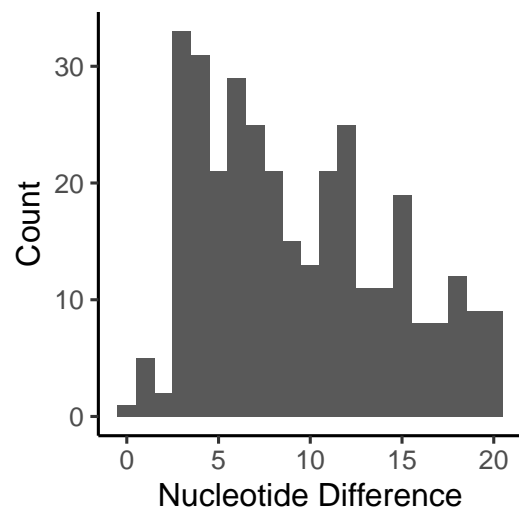
IGHV4-30-2*01

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



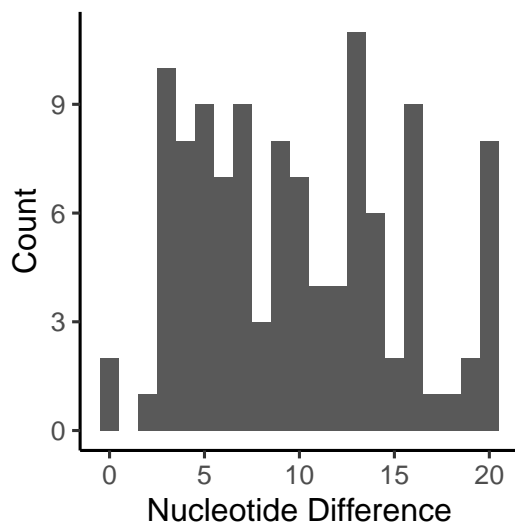
IGHV4-34*01_02

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



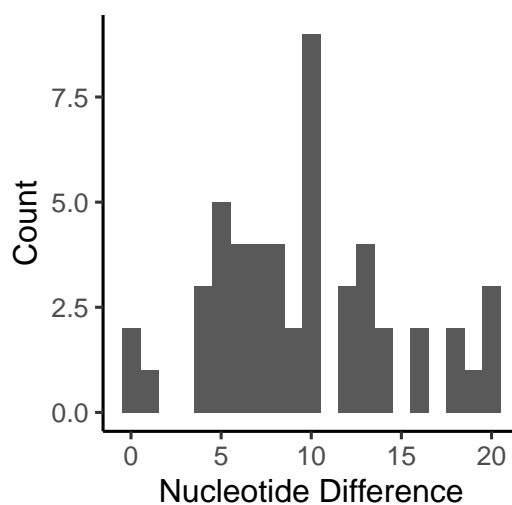
IGHV4-4*02_03

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



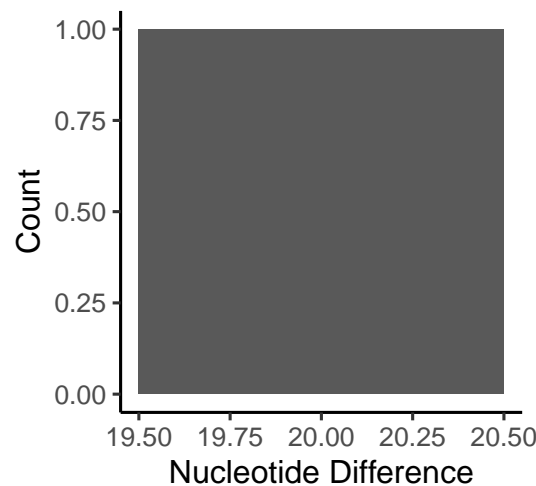
IGHV4-30-4*07

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



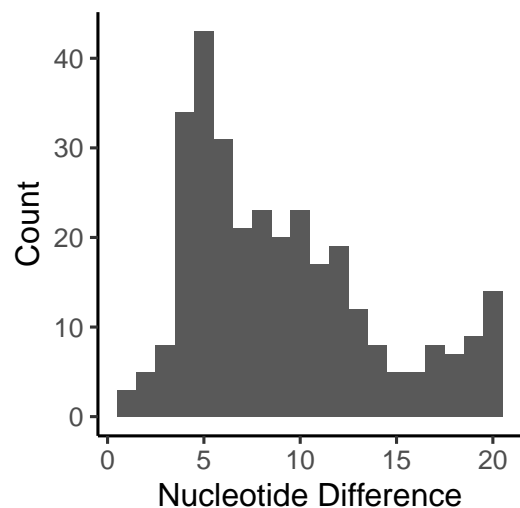
IGHV4-38-2*02

2 sequences assigned
No exact matches.



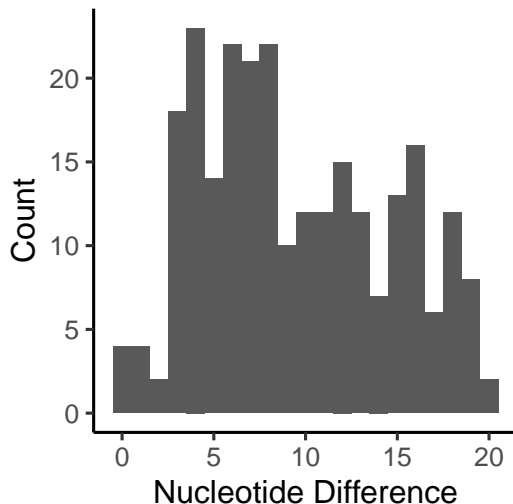
IGHV4-39*02

387 sequences assigned
No exact matches.



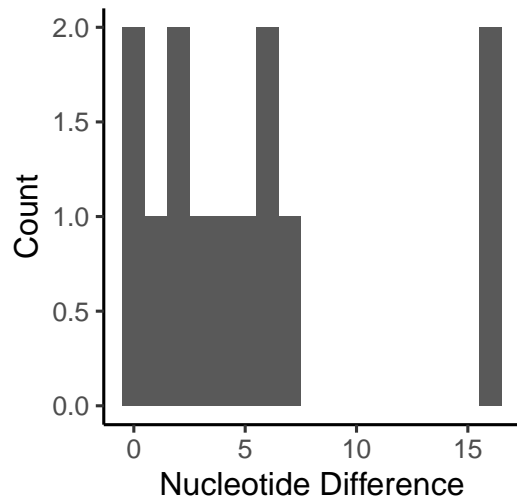
IGHV4-59*01_07

299 sequences assigned
4 (1.3%) exact matches, in which:
4 unique CDR3
3 unique J



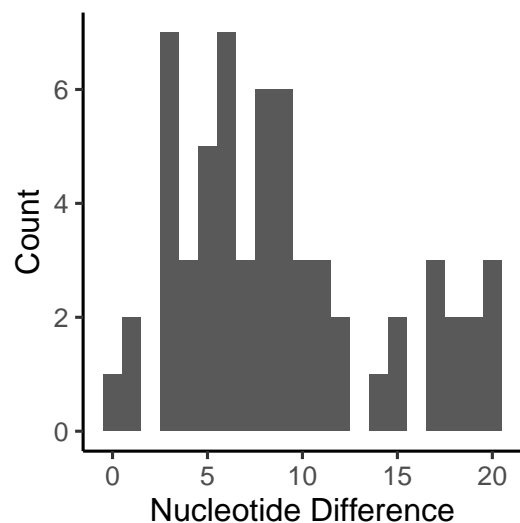
IGHV5-10-1*01_03

15 sequences assigned
2 (13.3%) exact matches, in which:
1 unique CDR3
1 unique J



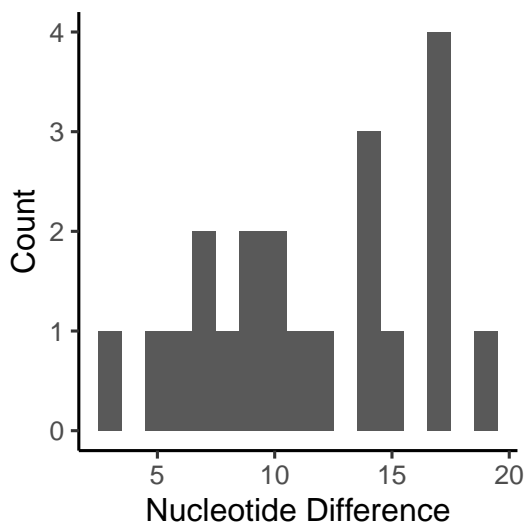
IGHV4-39*01_05

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



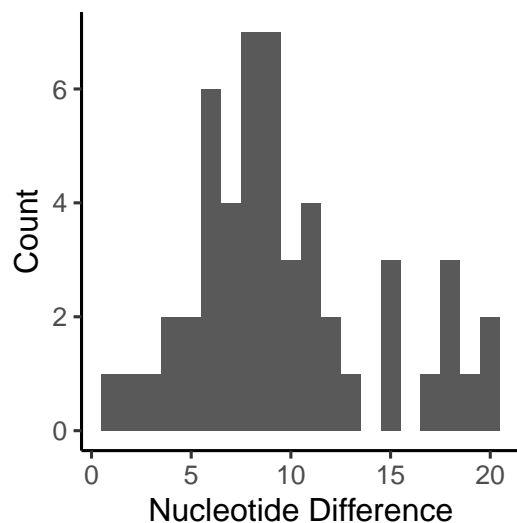
IGHV4-59*11

30 sequences assigned
No exact matches.



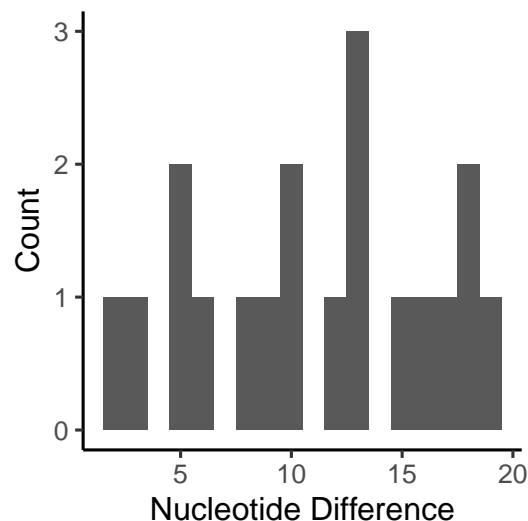
IGHV5-51*07

54 sequences assigned
No exact matches.



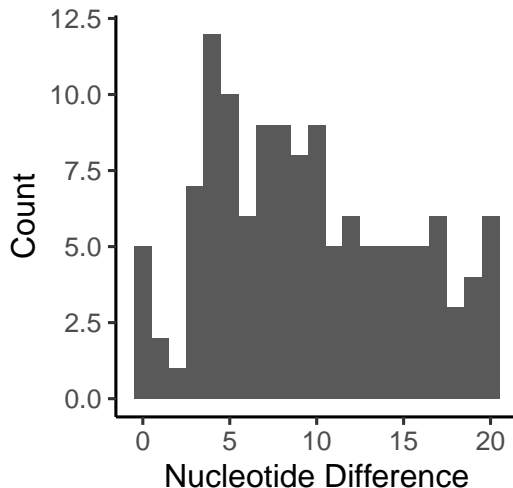
IGHV4-59*02

29 sequences assigned
No exact matches.



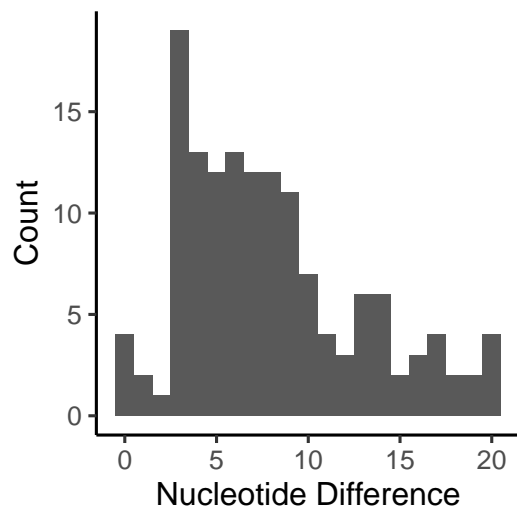
IGHV4-61*01

152 sequences assigned
5 (3.3%) exact matches, in which:
5 unique CDR3
3 unique J



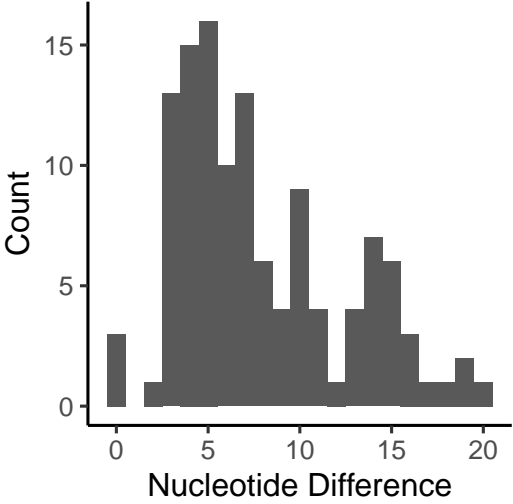
IGHV5-51*01_03

160 sequences assigned
4 (2.5%) exact matches, in which:
4 unique CDR3
2 unique J



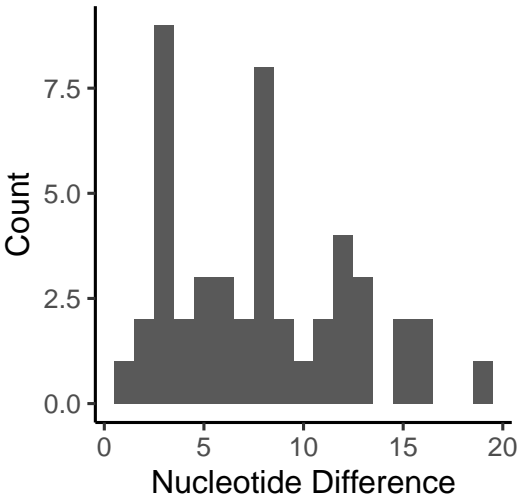
IGHV6-1*01_02

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



IGHV7-4-1*02

50 sequences assigned
No exact matches.





[illegible]