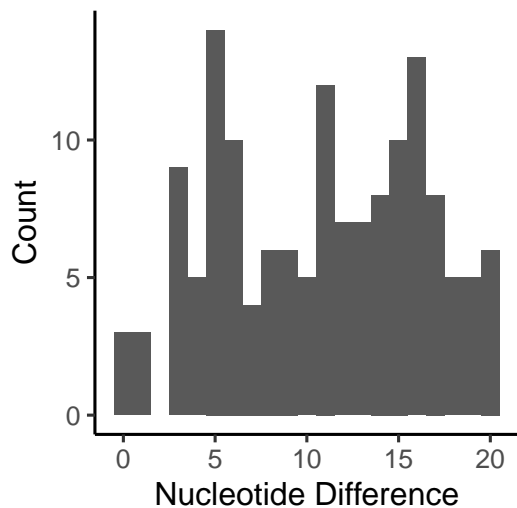


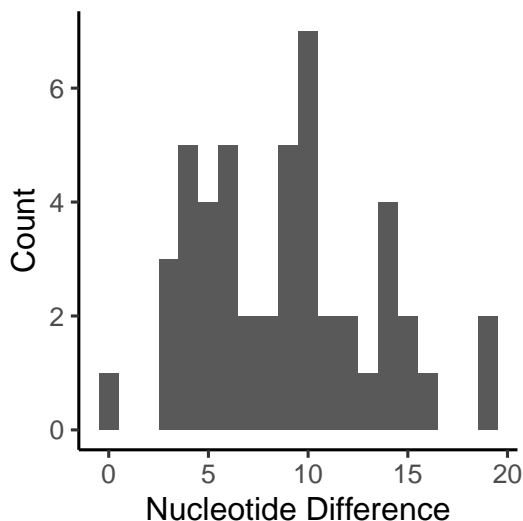
IGHV1-2*02

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



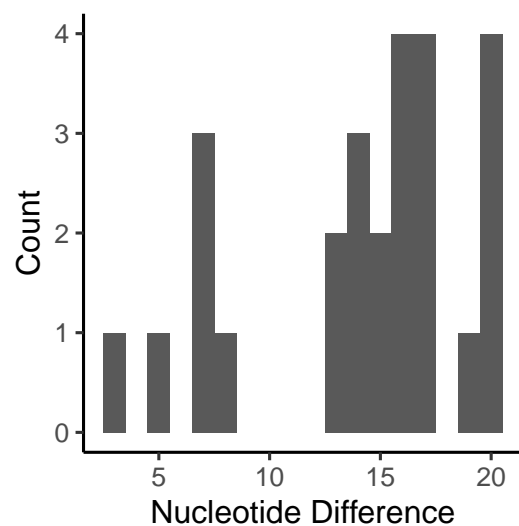
IGHV1-8*01

59 sequences assigned
1 (1.7%) exact matches, in which:
1 unique CDR3
1 unique J



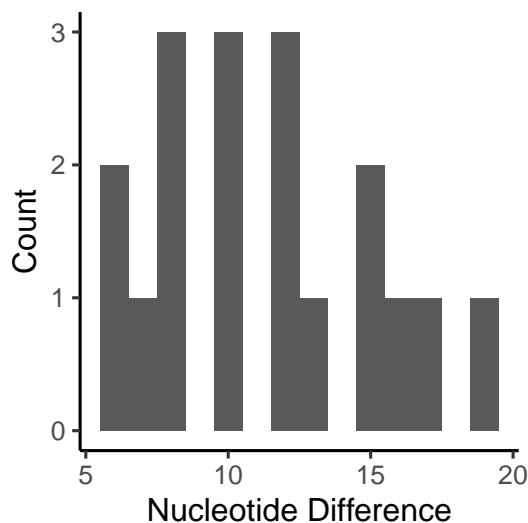
IGHV1-24*01

43 sequences assigned
No exact matches.



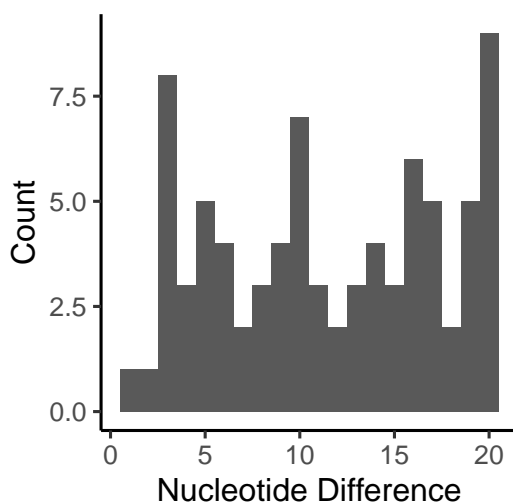
IGHV1-3*04

24 sequences assigned
No exact matches.



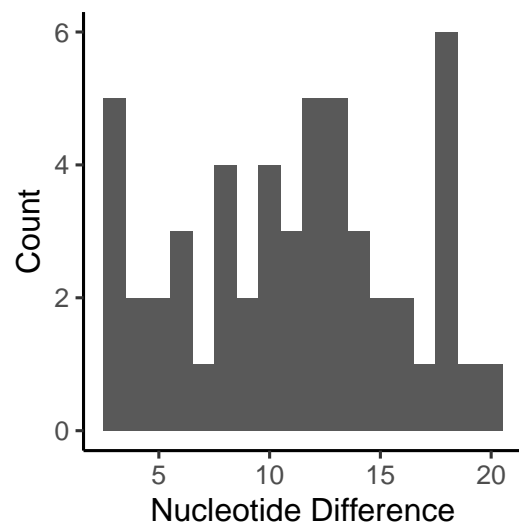
IGHV1-18*01

111 sequences assigned
No exact matches.



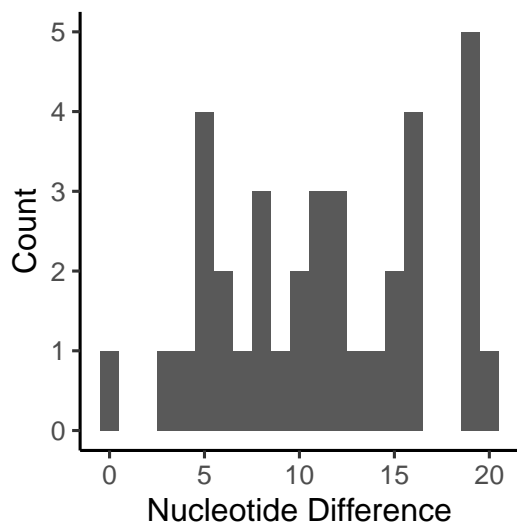
IGHV1-46*01

84 sequences assigned
No exact matches.



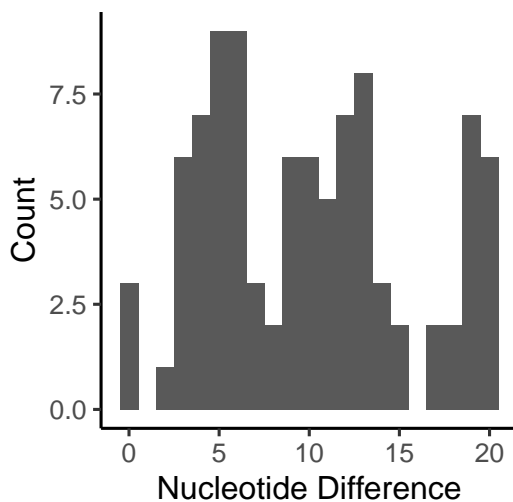
IGHV1-3*01_05

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



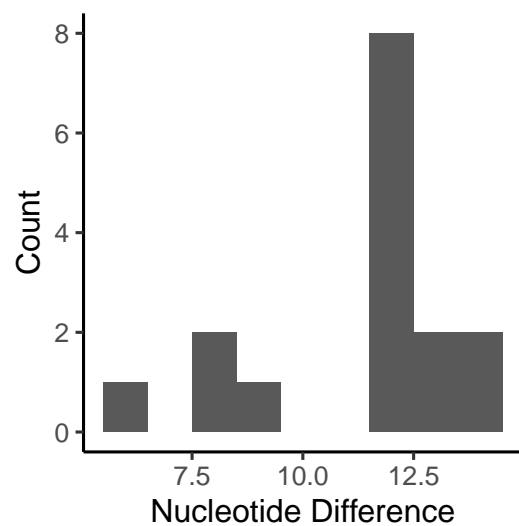
IGHV1-18*04

121 sequences assigned
3 (2.5%) exact matches, in which:
2 unique CDR3
1 unique J



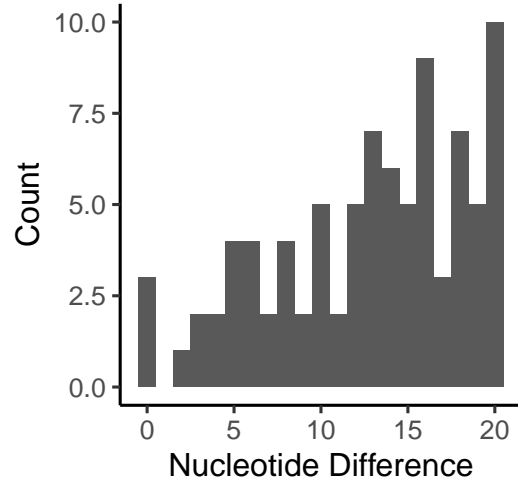
IGHV1-58*01_03

17 sequences assigned
No exact matches.



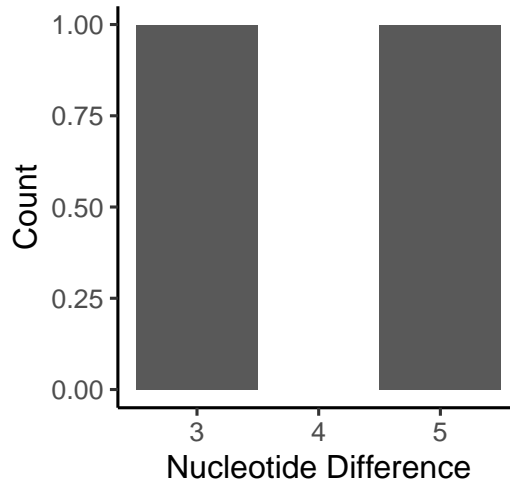
IGHV1-69*01_12_13

163 sequences assigned
3 (1.8%) exact matches, in which:
3 unique CDR3
3 unique J



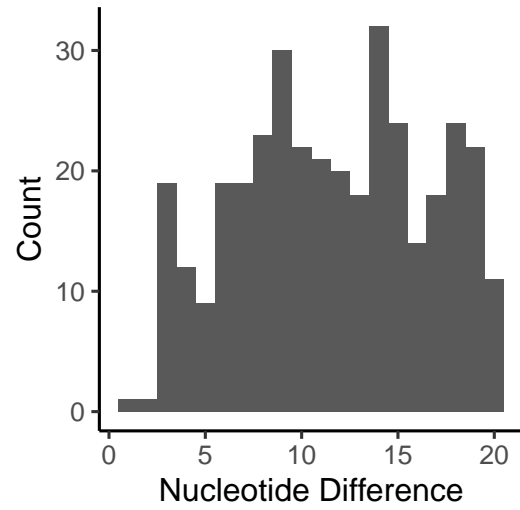
IGHV2-26*01

2 sequences assigned
No exact matches.



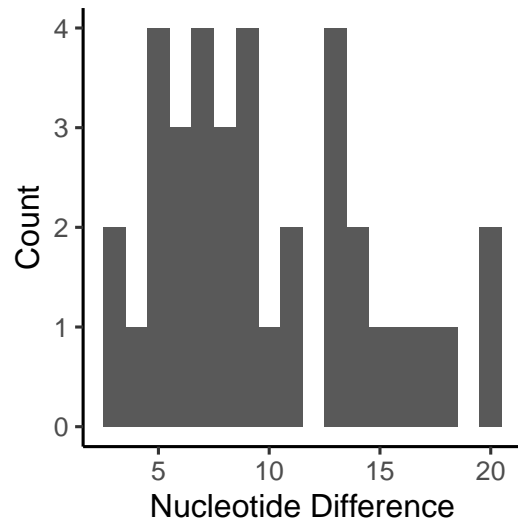
IGHV3-7*01

449 sequences assigned
No exact matches.



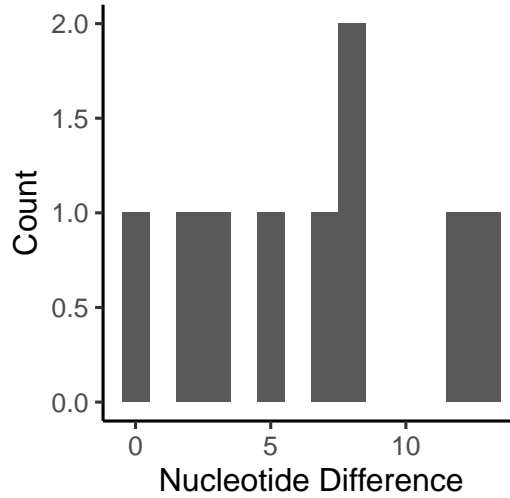
IGHV2-5*01

41 sequences assigned
No exact matches.



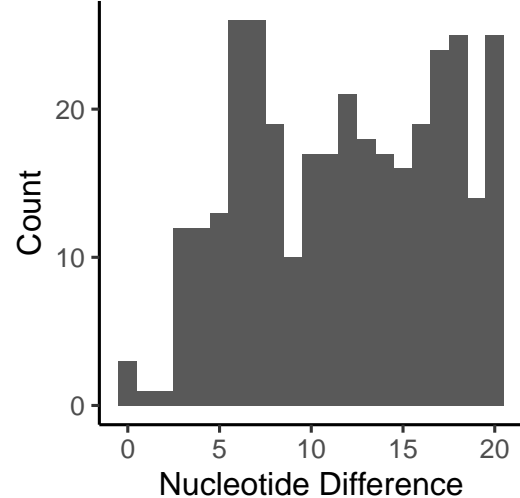
IGHV2-70*01

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



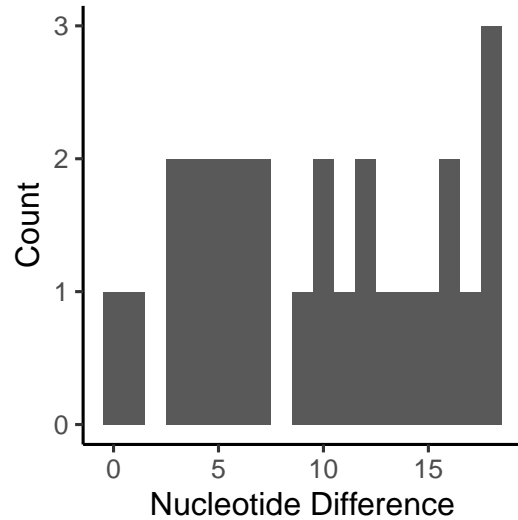
IGHV3-7*03

402 sequences assigned
3 (0.7%) exact matches, in which:
2 unique CDR3
1 unique J



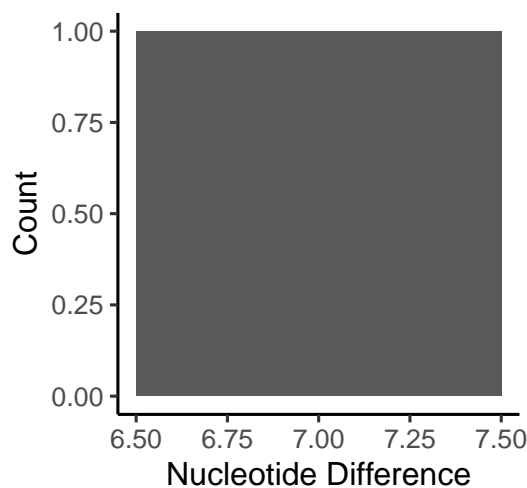
IGHV2-5*02

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



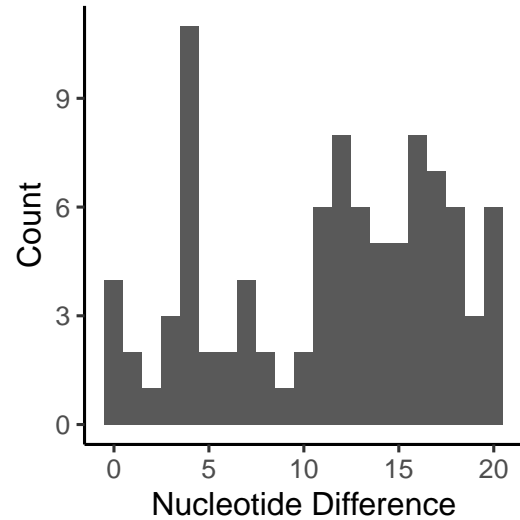
IGHV2-70*20

2 sequences assigned
No exact matches.



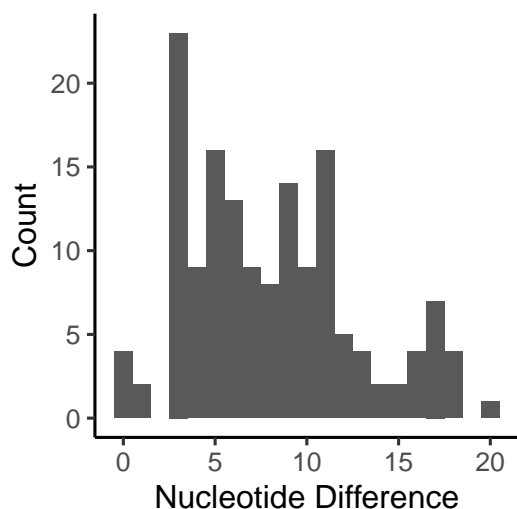
IGHV3-9*01

131 sequences assigned
4 (3.1%) exact matches, in which:
3 unique CDR3
2 unique J



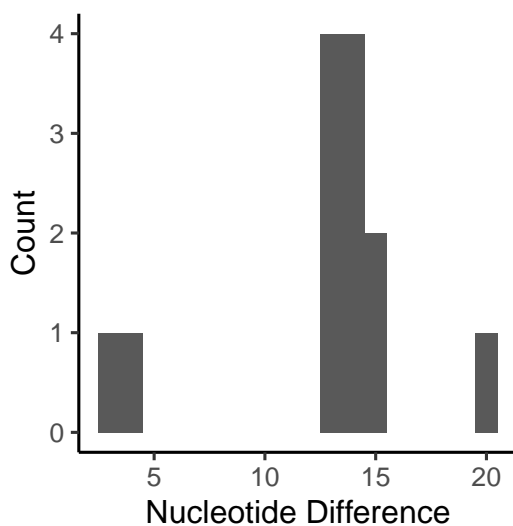
IGHV3-11*01

182 sequences assigned
4 (2.2%) exact matches, in which:
4 unique CDR3
3 unique J



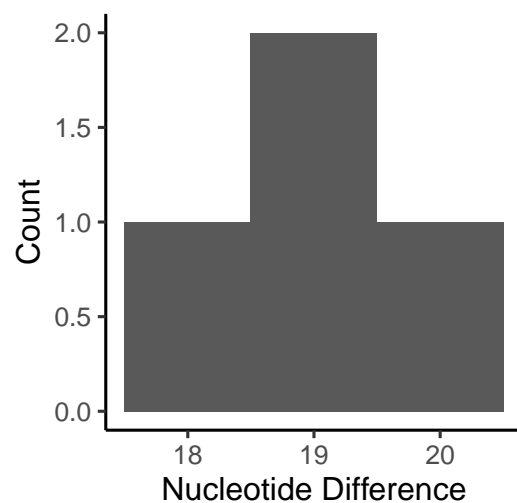
IGHV3-13*05

17 sequences assigned
No exact matches.



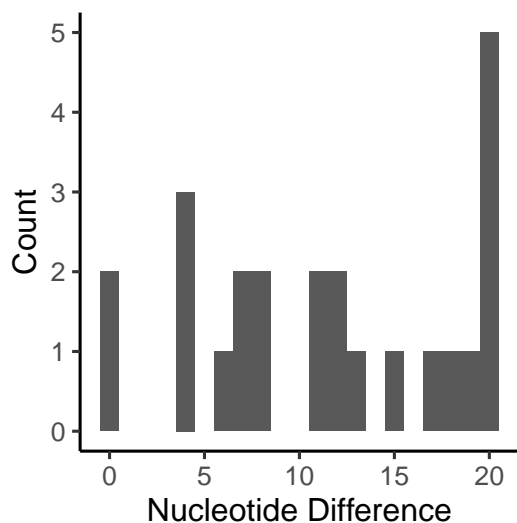
IGHV3-20*03_04

17 sequences assigned
No exact matches.



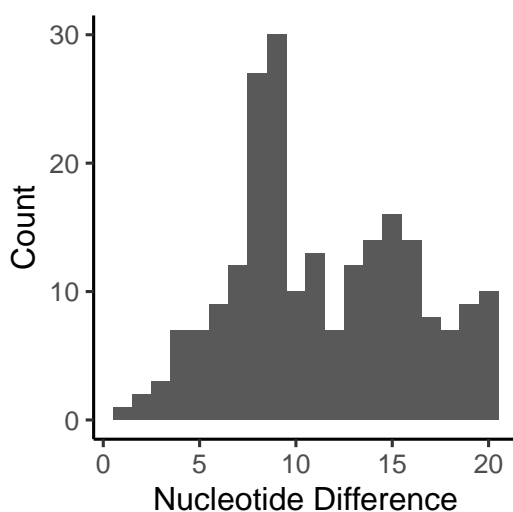
IGHV3-11*06

45 sequences assigned
2 (4.4%) exact matches, in which:
1 unique CDR3
1 unique J



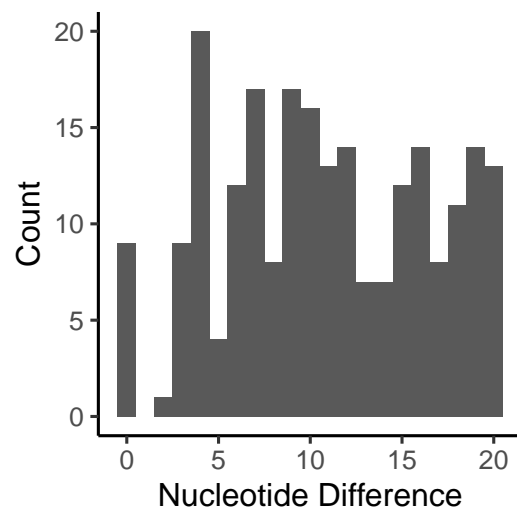
IGHV3-15*01_02

294 sequences assigned
No exact matches.



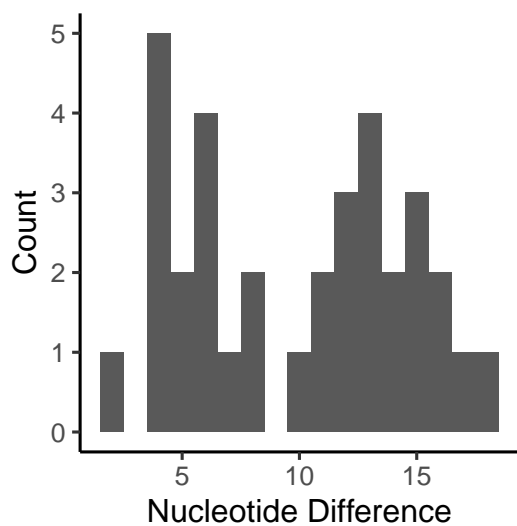
IGHV3-21*01_02

335 sequences assigned
9 (2.7%) exact matches, in which:
5 unique CDR3
2 unique J



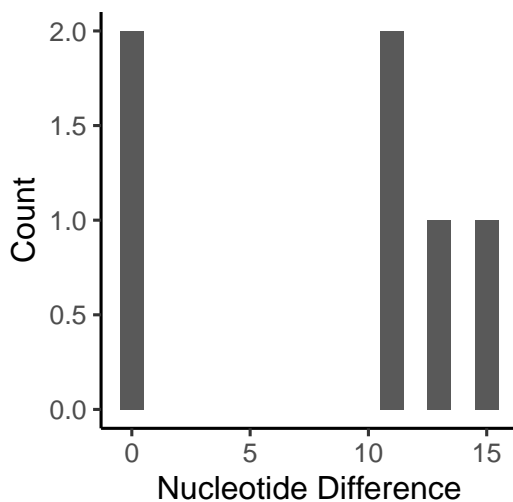
IGHV3-13*01

39 sequences assigned
No exact matches.



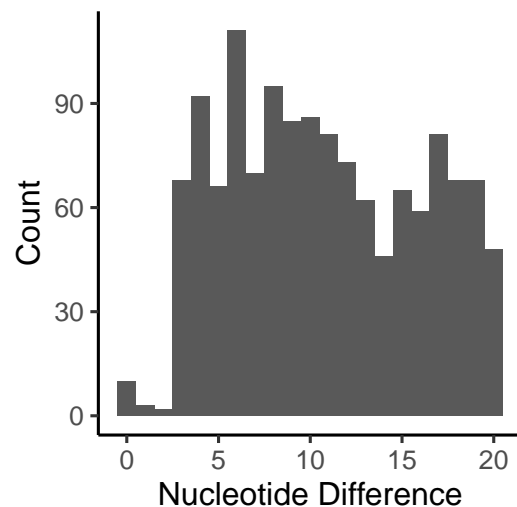
IGHV3-20*01_02

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



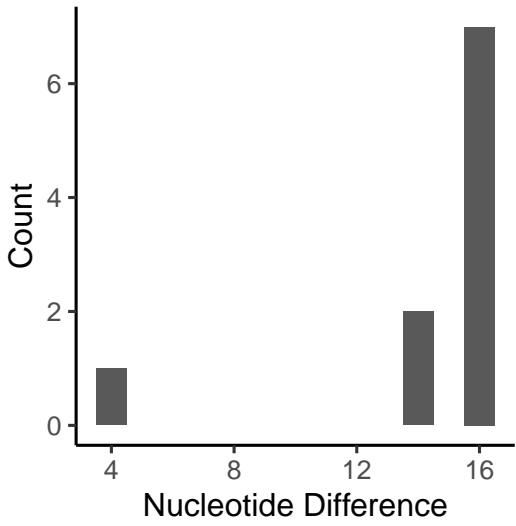
IGHV3-23*01_04

1793 sequences assigned
10 (0.6%) exact matches, in which:
8 unique CDR3
4 unique J



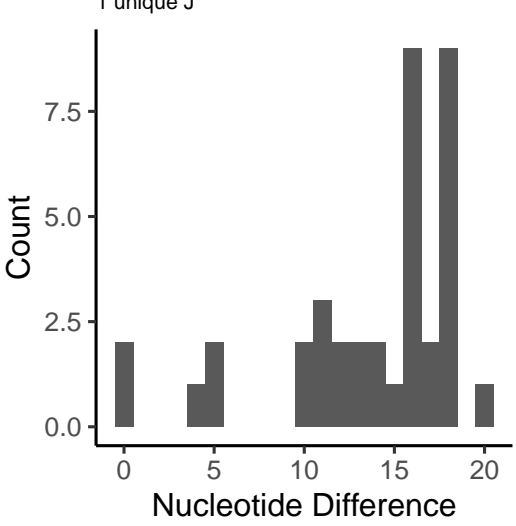
IGHV3-30*03

14 sequences assigned
No exact matches.



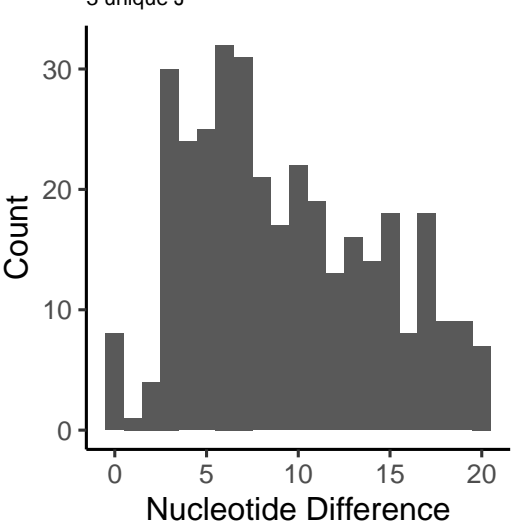
IGHV3-43*01

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



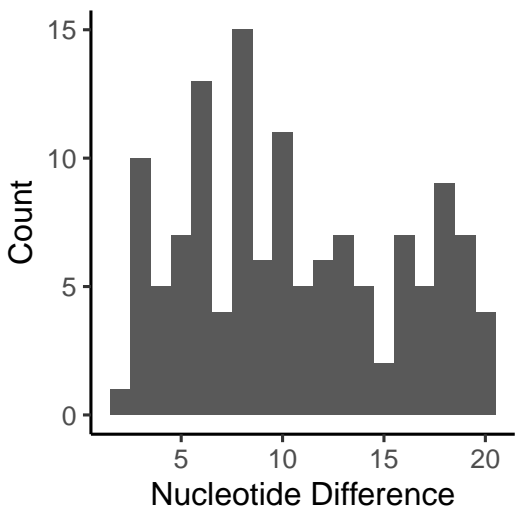
IGHV3-53*01_02

431 sequences assigned
8 (1.9%) exact matches, in which:
4 unique CDR3
3 unique J



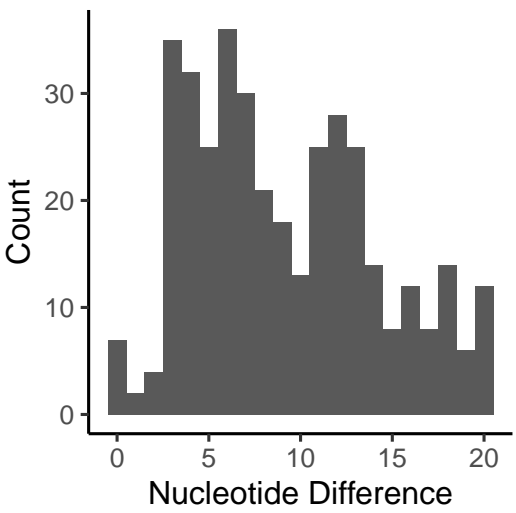
IGHV3-33*01

155 sequences assigned
No exact matches.



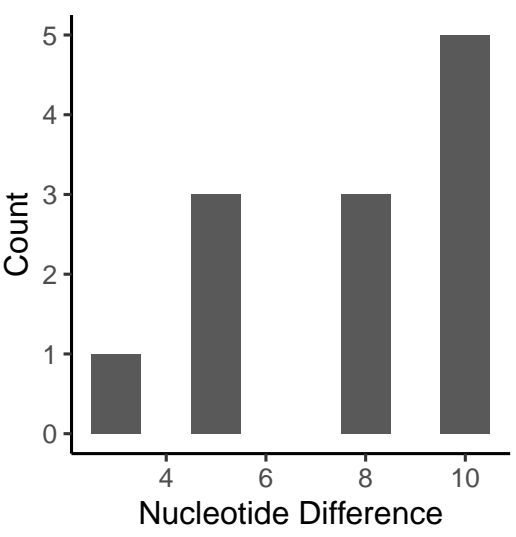
IGHV3-48*02

465 sequences assigned
7 (1.5%) exact matches, in which:
4 unique CDR3
3 unique J



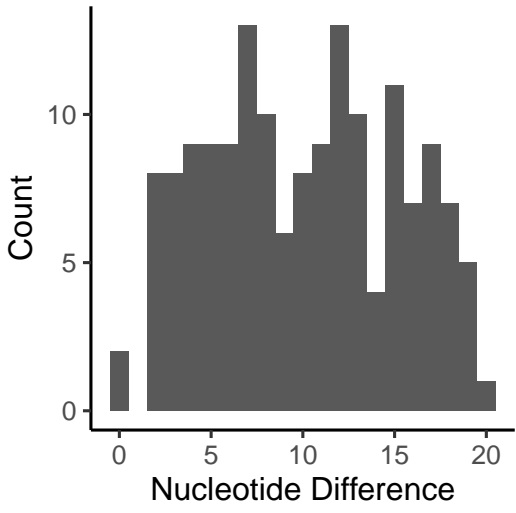
IGHV3-64*02_07

12 sequences assigned
No exact matches.



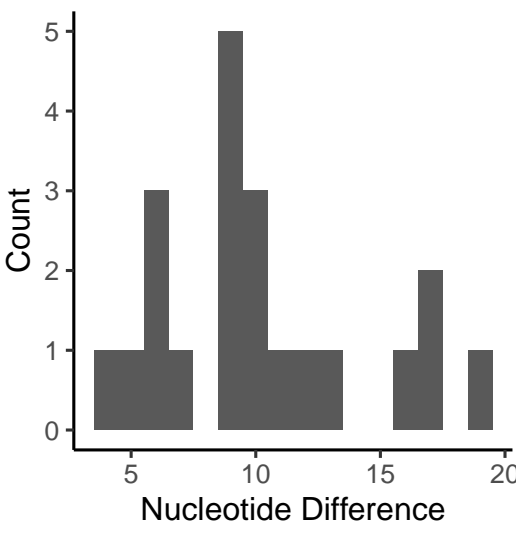
IGHV3-33*08

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



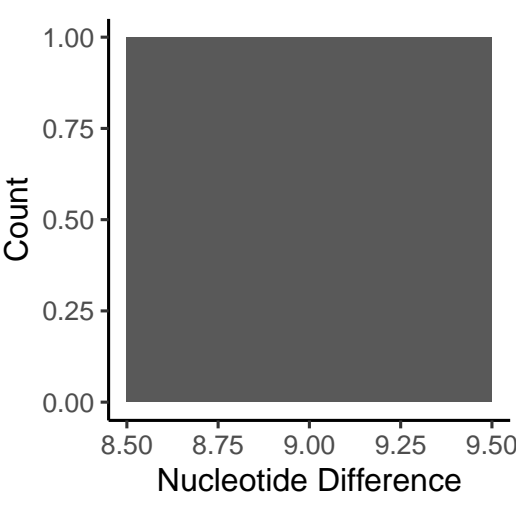
IGHV3-49*03_05

39 sequences assigned
No exact matches.



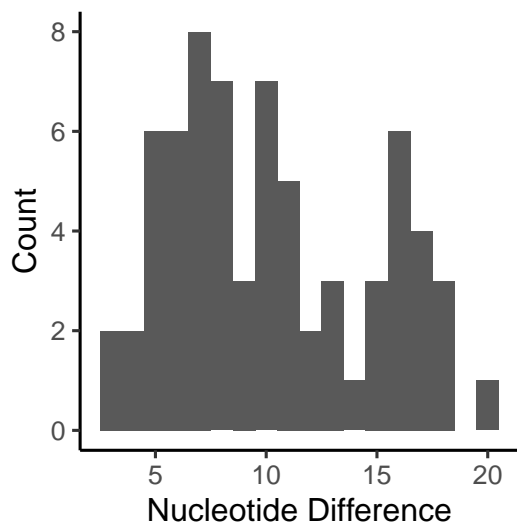
IGHV3-69-1*02

3 sequences assigned
No exact matches.



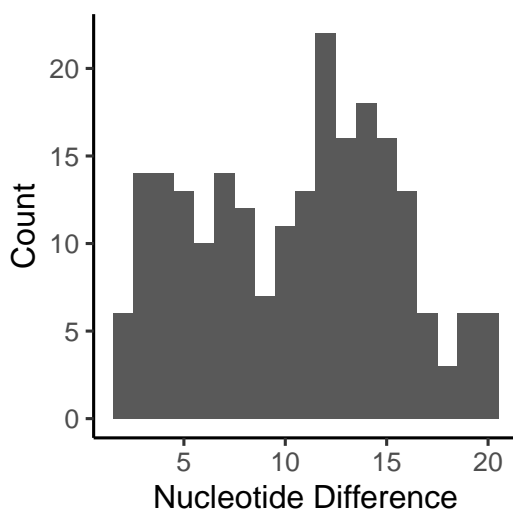
IGHV3-72*01

81 sequences assigned
No exact matches.



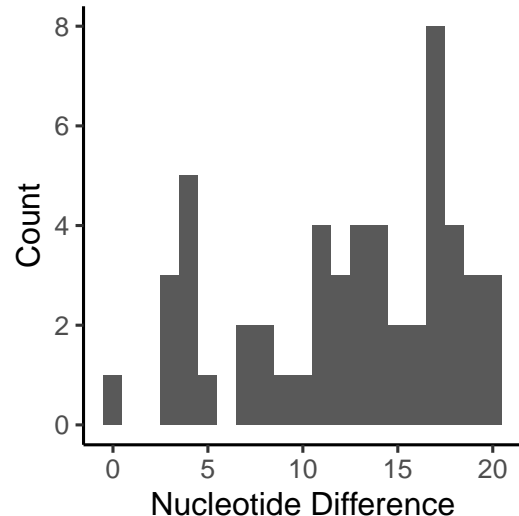
IGHV3-74*01_02

244 sequences assigned
No exact matches.



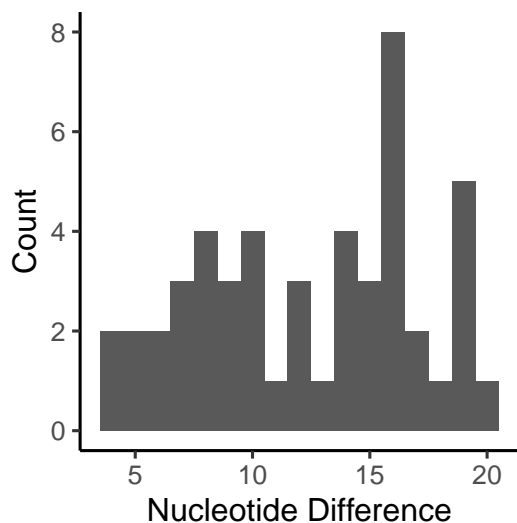
IGHV4-4*02_03

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



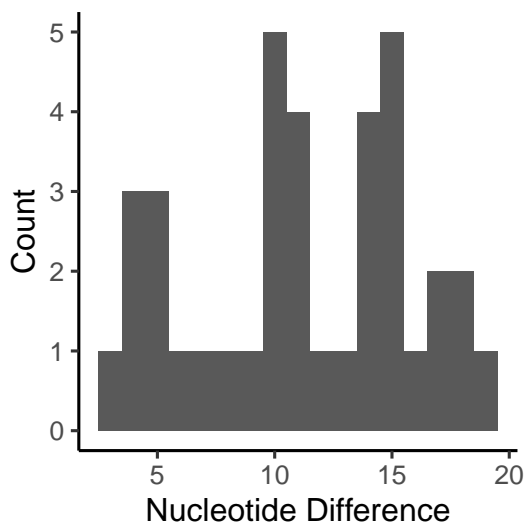
IGHV3-73*01_02

69 sequences assigned
No exact matches.



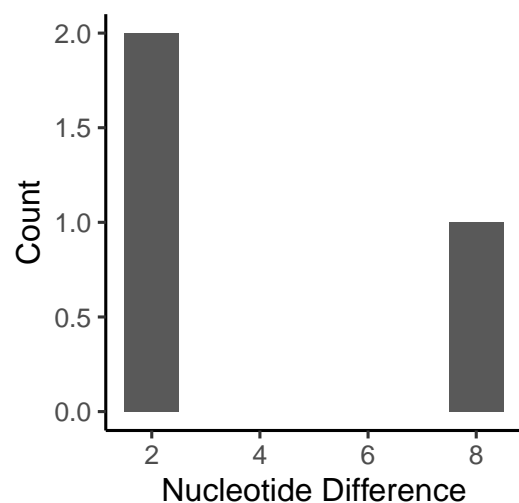
IGHV3-64D*06

45 sequences assigned
No exact matches.



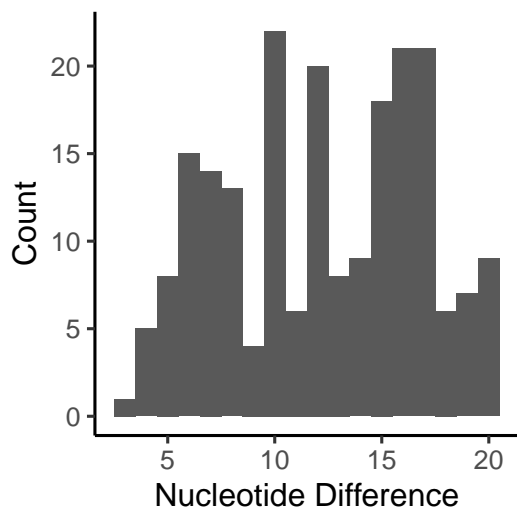
IGHV4-28*01_07

3 sequences assigned
No exact matches.



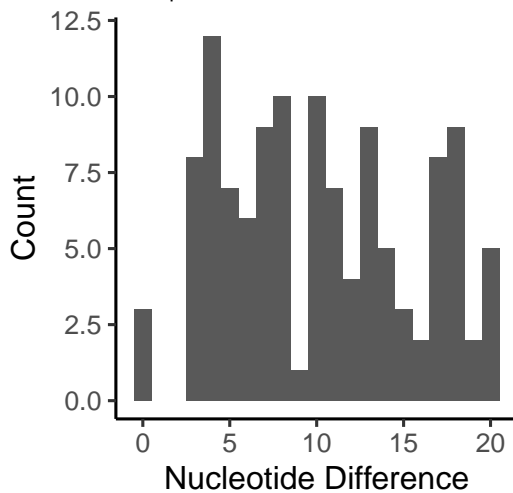
IGHV3-74*03

247 sequences assigned
No exact matches.



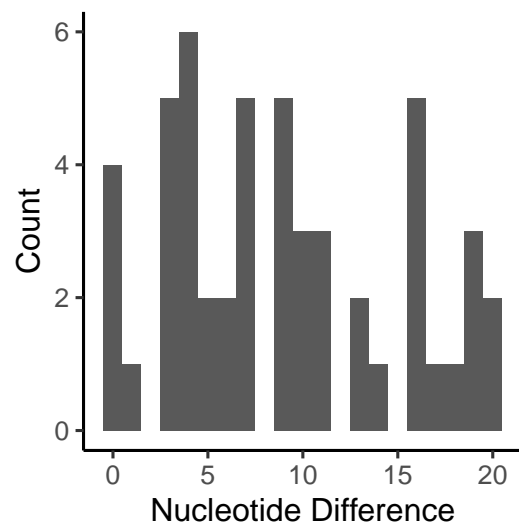
IGHV4-4*07

168 sequences assigned
3 (1.8%) exact matches, in which:
1 unique CDR3
1 unique J



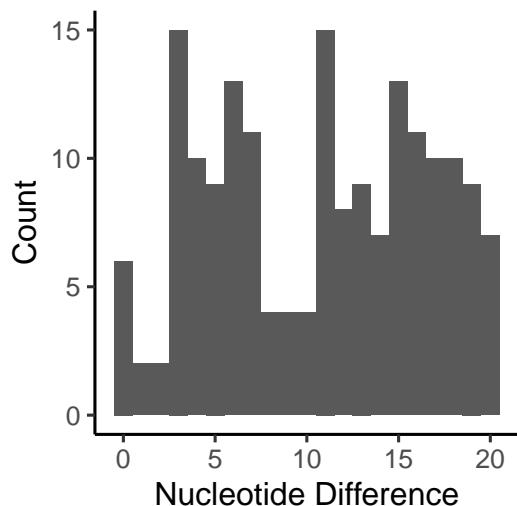
IGHV4-31*02

93 sequences assigned
4 (4.3%) exact matches, in which:
3 unique CDR3
2 unique J



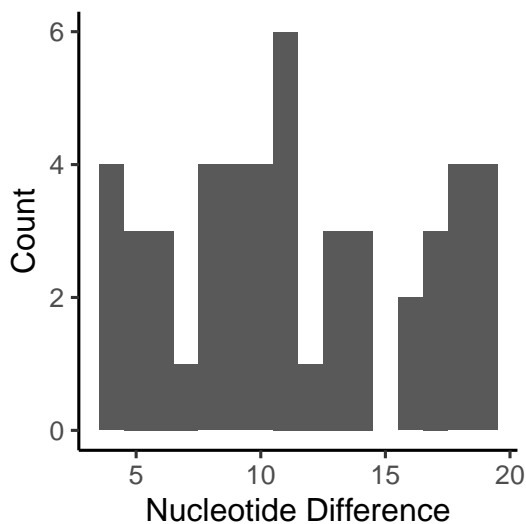
IGHV4-34*01_02

243 sequences assigned
6 (2.5%) exact matches, in which:
4 unique CDR3
2 unique J



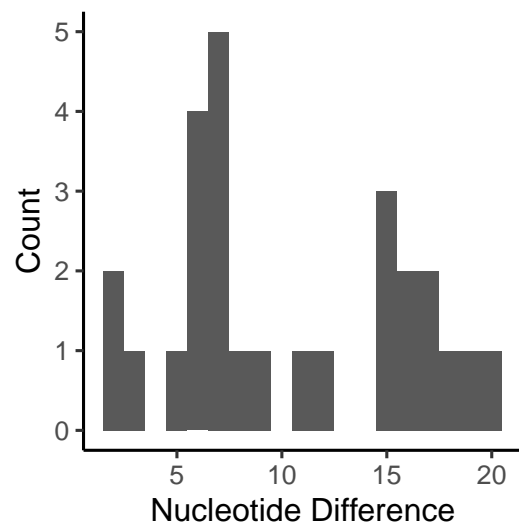
IGHV4-39*01_05

73 sequences assigned
No exact matches.



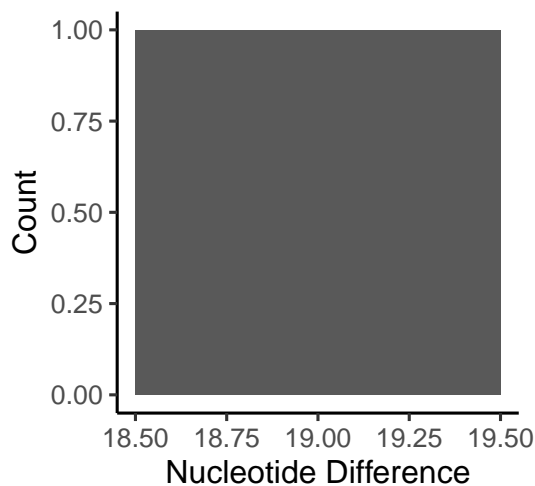
IGHV4-59*11

47 sequences assigned
No exact matches.



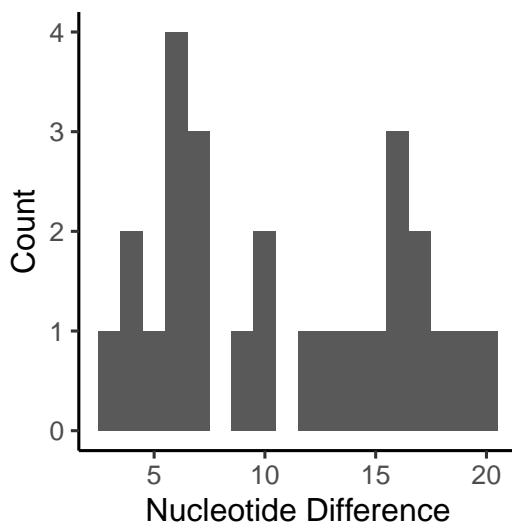
IGHV4-38-2*02

2 sequences assigned
No exact matches.



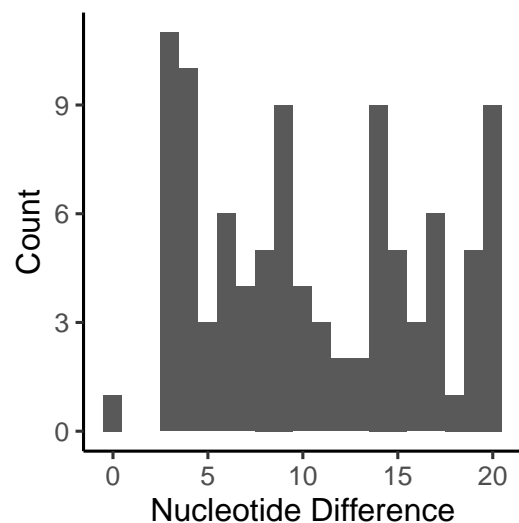
IGHV4-59*02

49 sequences assigned
No exact matches.



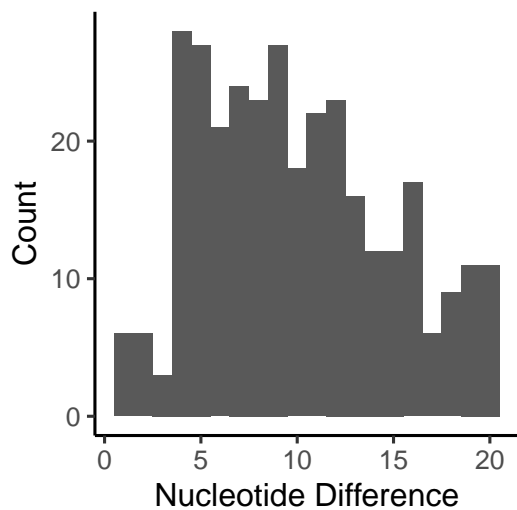
IGHV4-61*01

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



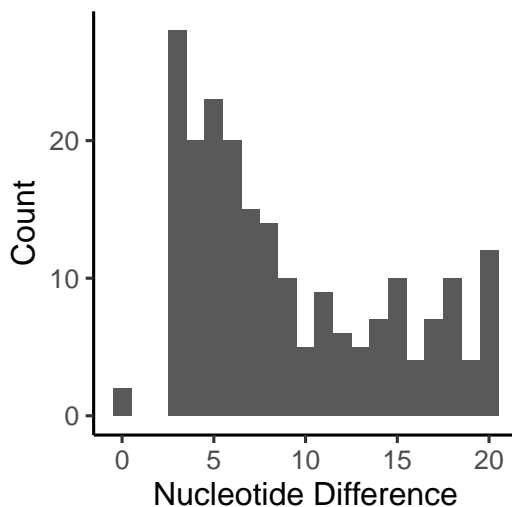
IGHV4-39*02

455 sequences assigned
No exact matches.



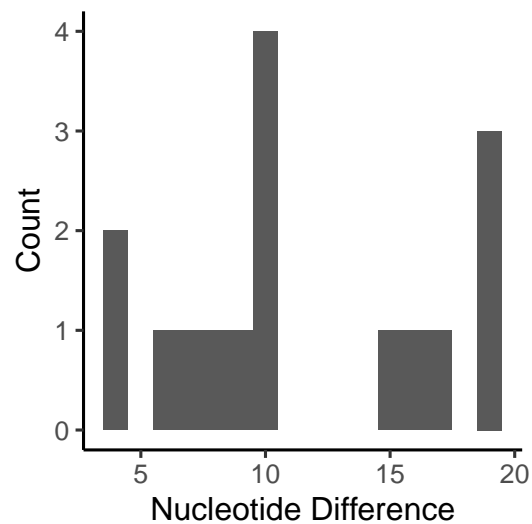
IGHV4-59*01_07

276 sequences assigned
2 (0.7%) exact matches, in which:
2 unique CDR3
1 unique J



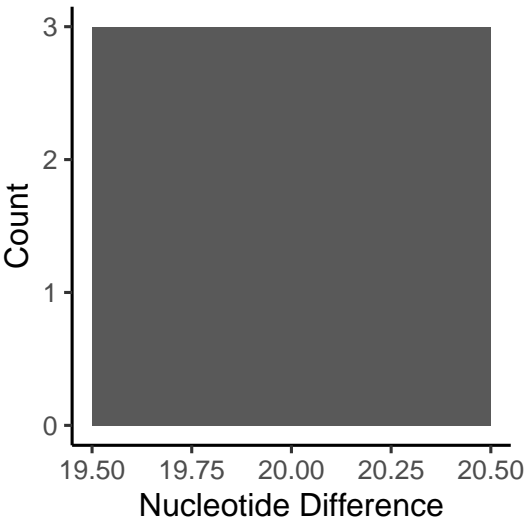
IGHV4-61*08

36 sequences assigned
No exact matches.



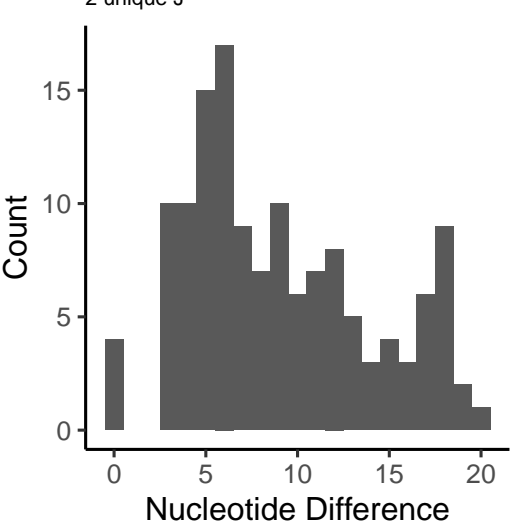
IGHV4/OR15–8*02

3 sequences assigned
No exact matches.



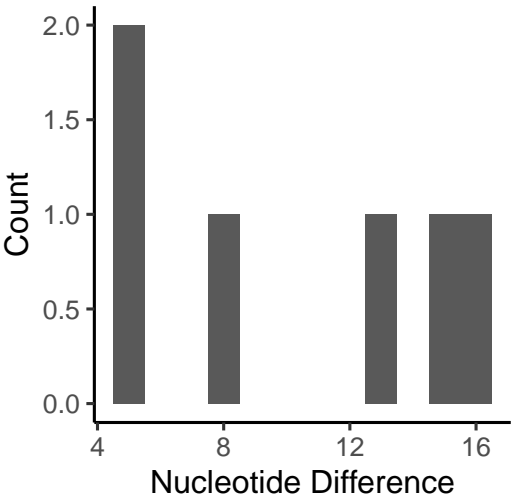
IGHV5–51*01_03

147 sequences assigned
4 (2.7%) exact matches, in which:
4 unique CDR3
2 unique J



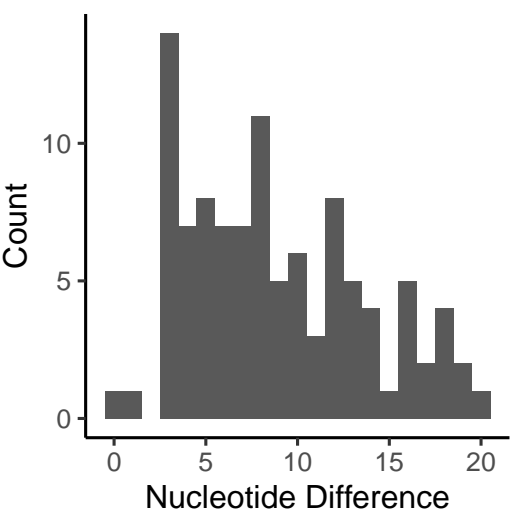
IGHV5–10–1*01_03

16 sequences assigned
No exact matches.



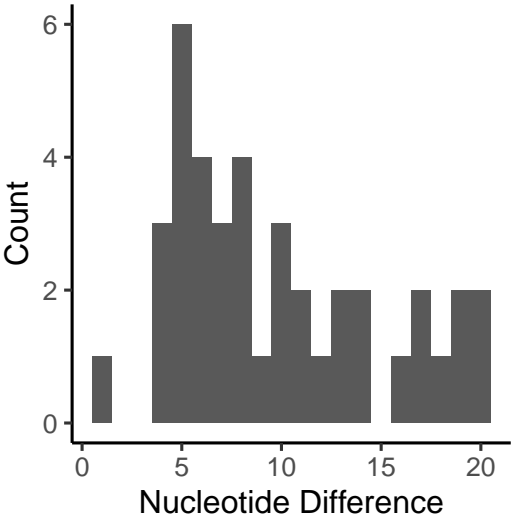
IGHV6–1*01_02

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



IGHV5–51*07

50 sequences assigned
No exact matches.





Warning – no inferred sequences found.