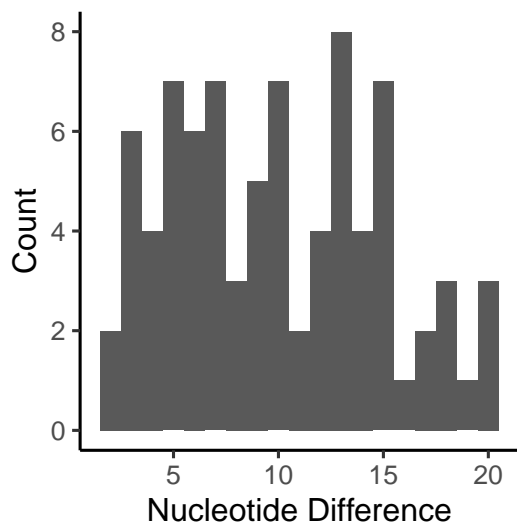


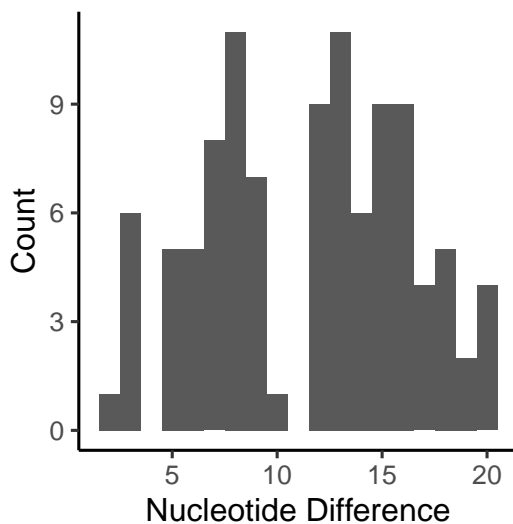
IGHV1-2*04

97 sequences assigned
No exact matches.



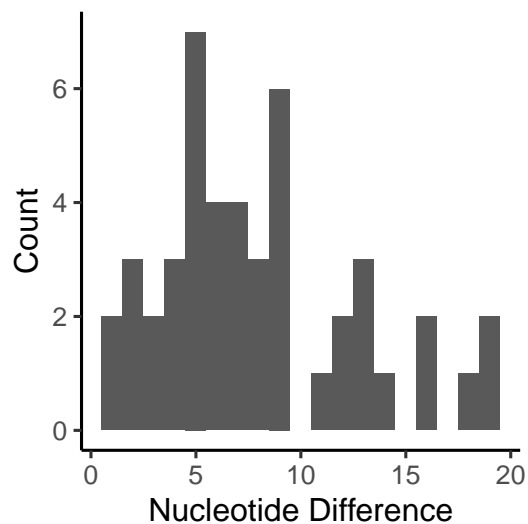
IGHV1-8*01

129 sequences assigned
No exact matches.



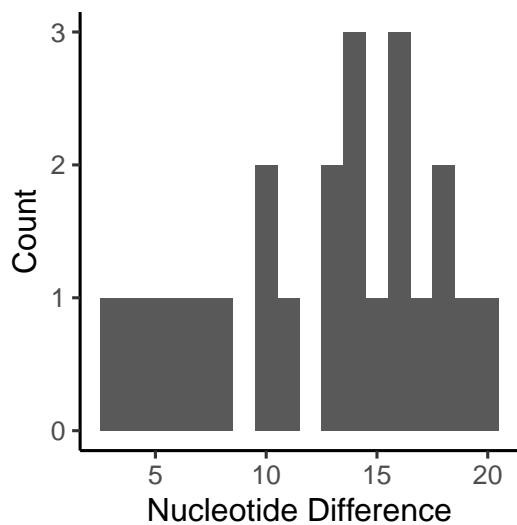
IGHV1-24*01

69 sequences assigned
No exact matches.



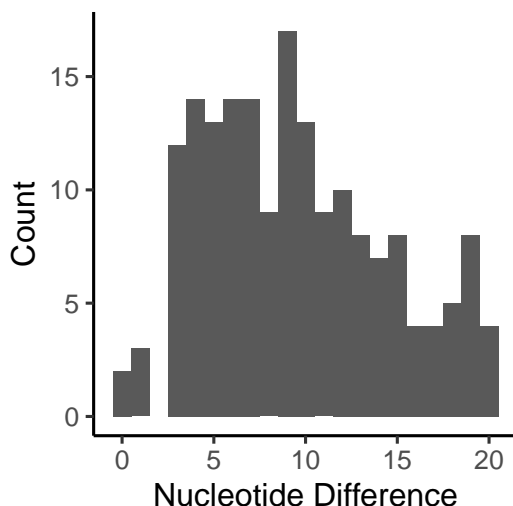
IGHV1-3*04

27 sequences assigned
No exact matches.



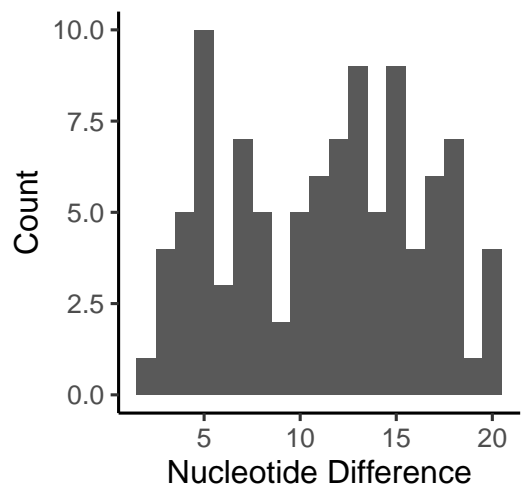
IGHV1-18*01

242 sequences assigned
2 (0.8%) exact matches, in which:
2 unique CDR3
2 unique J



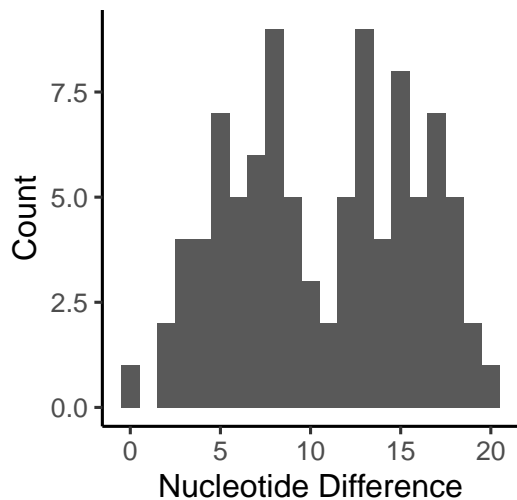
IGHV1-46*01

127 sequences assigned
No exact matches.



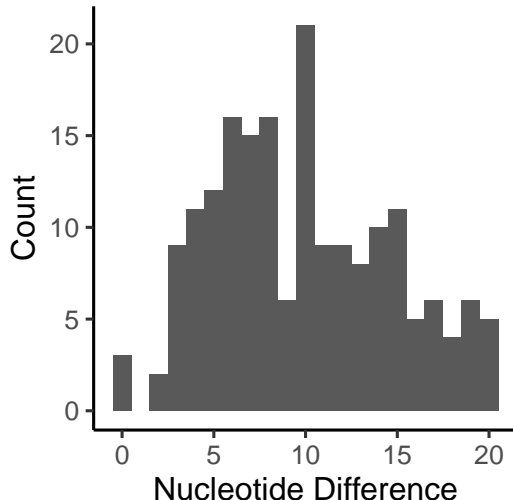
IGHV1-3*01_05

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



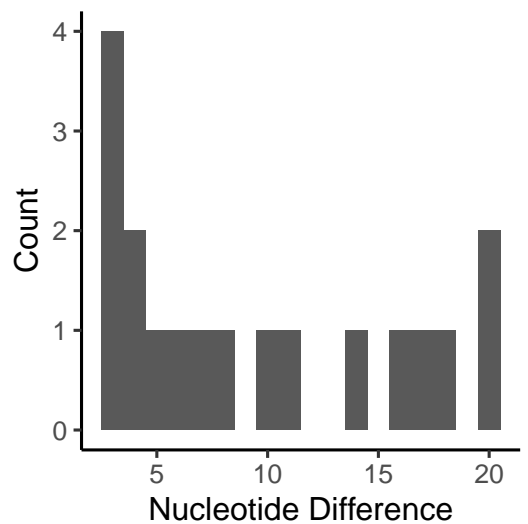
IGHV1-18*04

241 sequences assigned
3 (1.2%) exact matches, in which:
3 unique CDR3
2 unique J



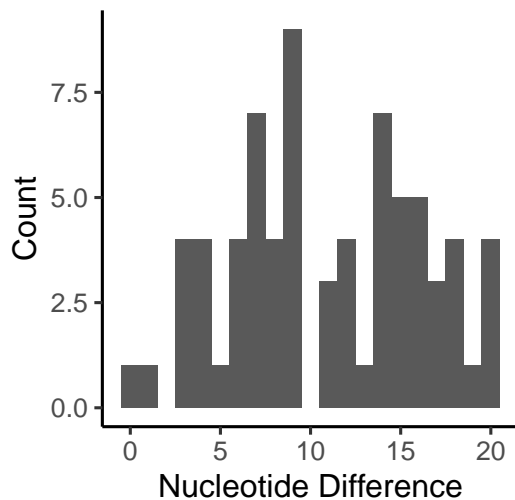
IGHV1-58*01_03

23 sequences assigned
No exact matches.



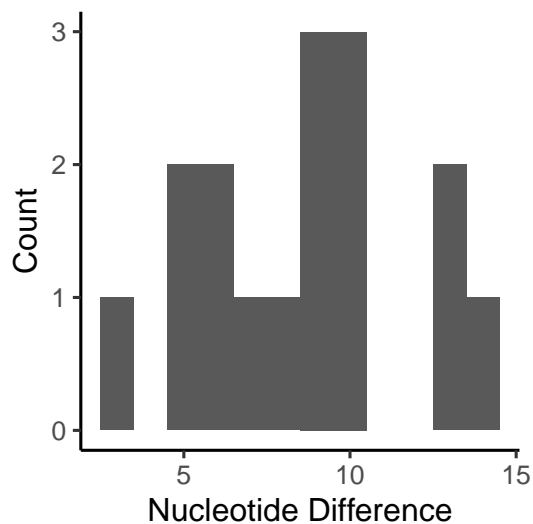
IGHV1-69*01_12_13

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



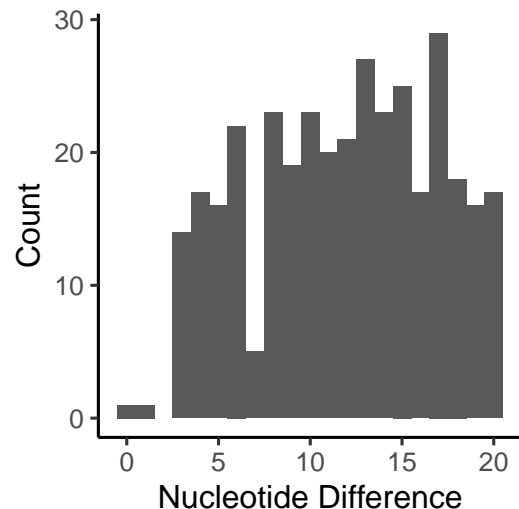
IGHV2-26*01

21 sequences assigned
No exact matches.



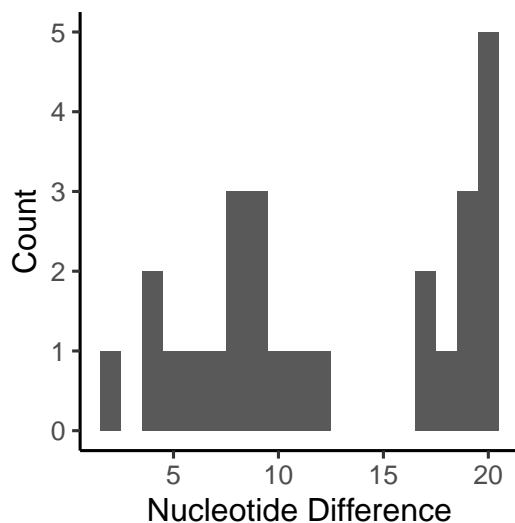
IGHV3-7*03

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



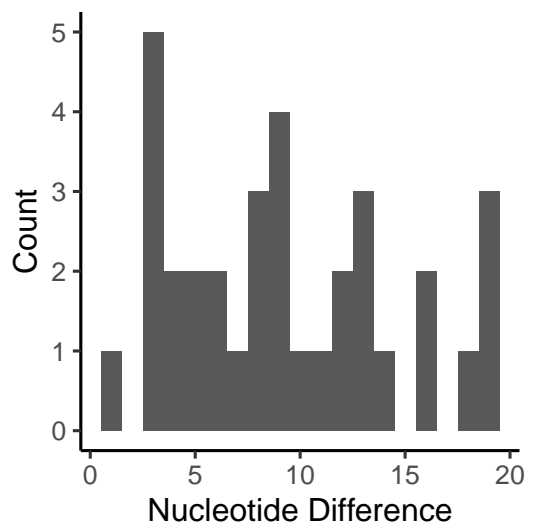
IGHV1-69*06_14

48 sequences assigned
No exact matches.



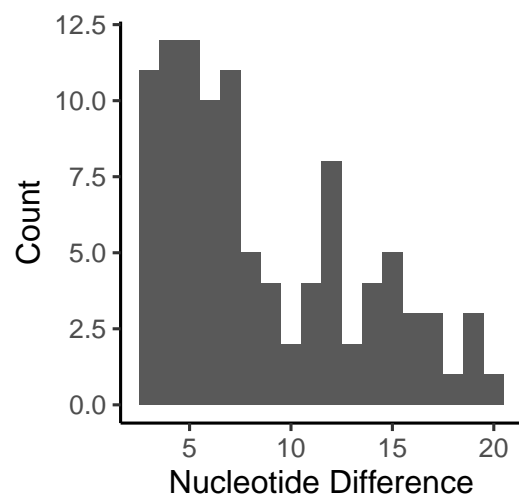
IGHV2-70*01

43 sequences assigned
No exact matches.



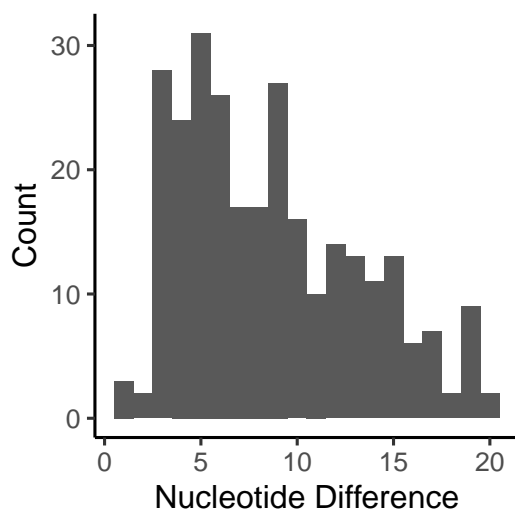
IGHV3-9*01

115 sequences assigned
No exact matches.



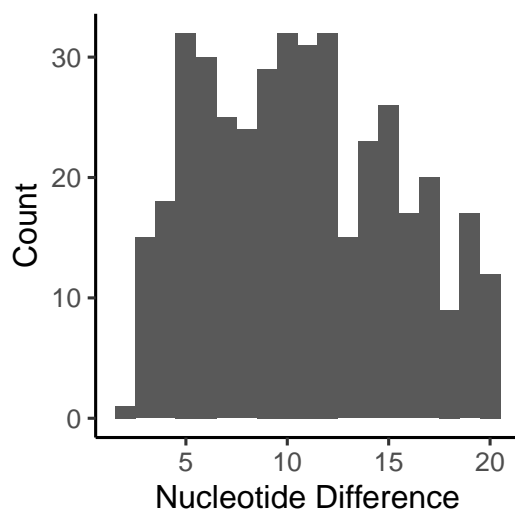
IGHV2-5*02

309 sequences assigned
No exact matches.



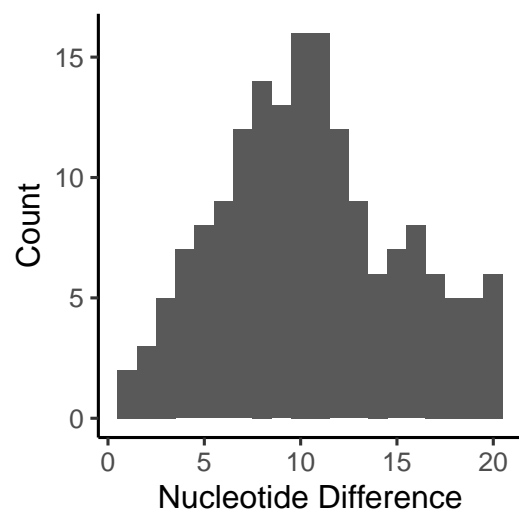
IGHV3-7*01

469 sequences assigned
No exact matches.



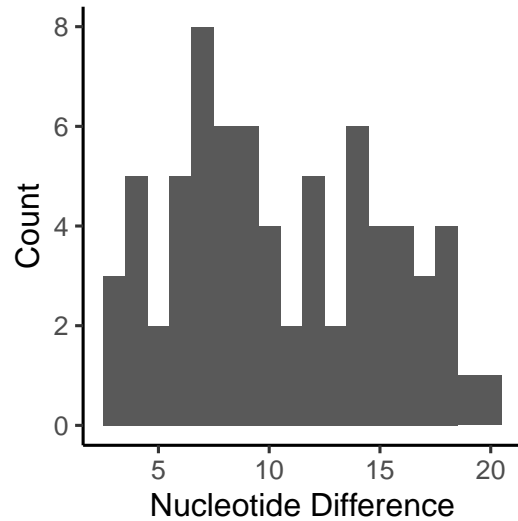
IGHV3-11*01

194 sequences assigned
No exact matches.



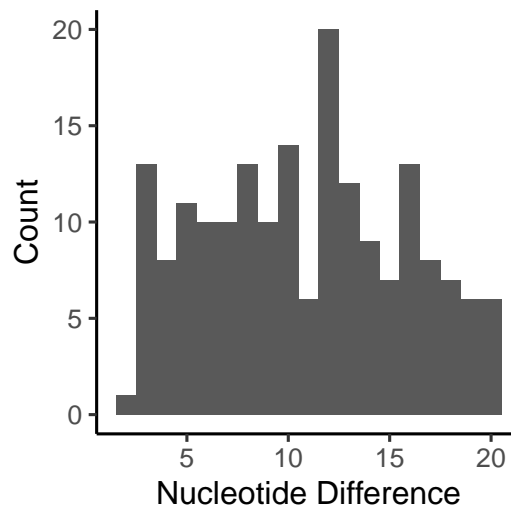
IGHV3-11*06

79 sequences assigned
No exact matches.



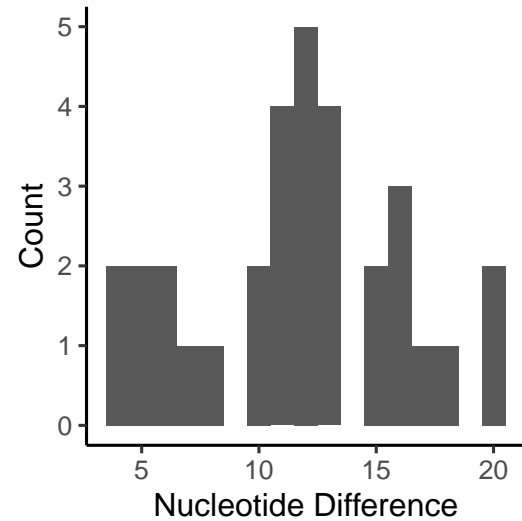
IGHV3-15*01_02

241 sequences assigned
No exact matches.



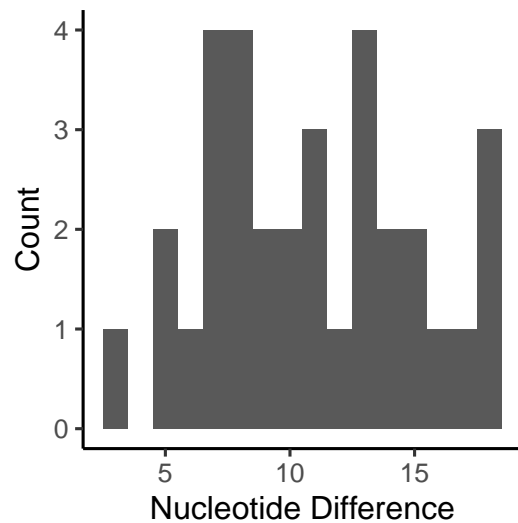
IGHV3-21*06

62 sequences assigned
No exact matches.



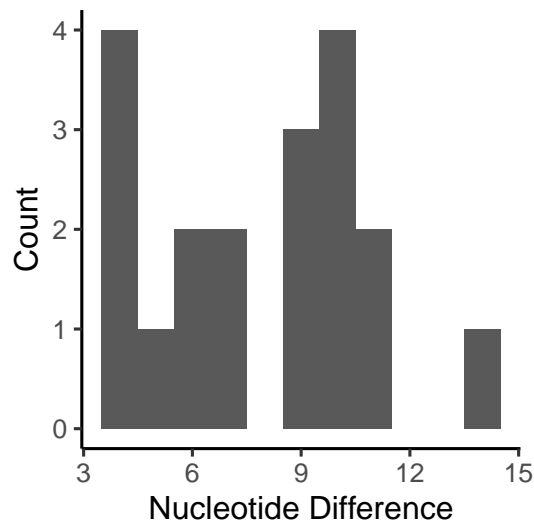
IGHV3-13*01

42 sequences assigned
No exact matches.



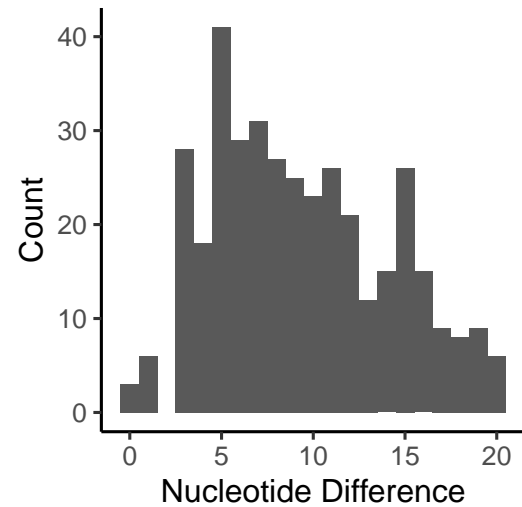
IGHV3-20*01_02

19 sequences assigned
No exact matches.



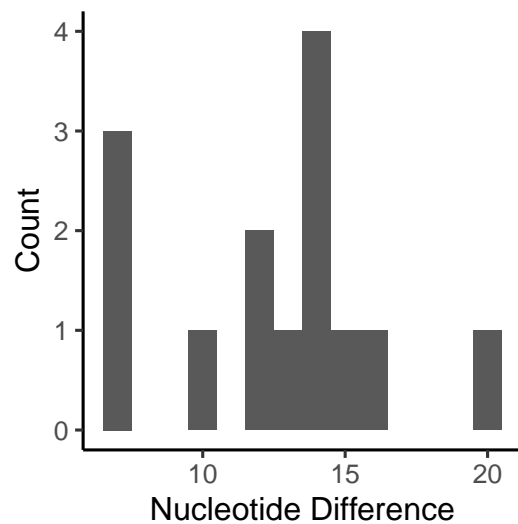
IGHV3-21*01_02

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



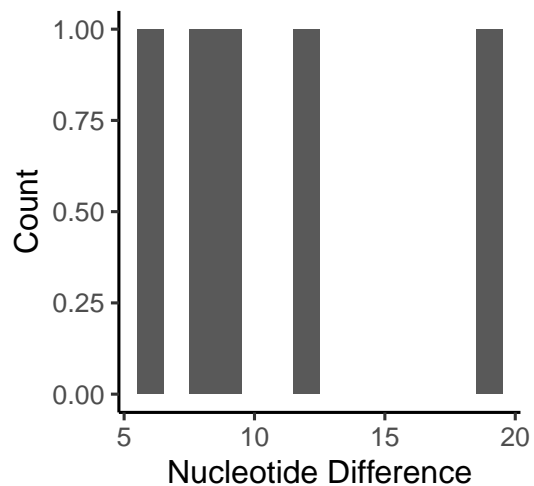
IGHV3-13*05

16 sequences assigned
No exact matches.



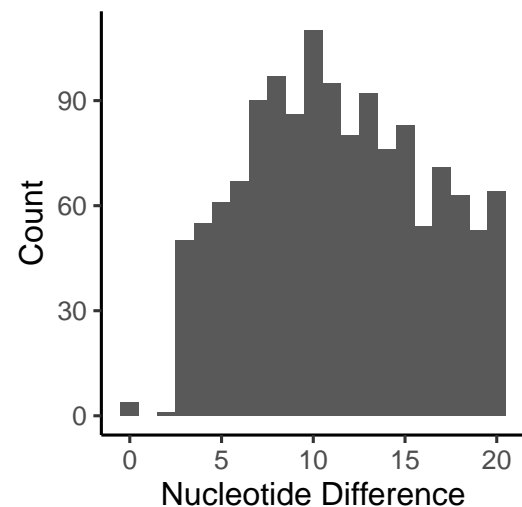
IGHV3-20*03_04

5 sequences assigned
No exact matches.



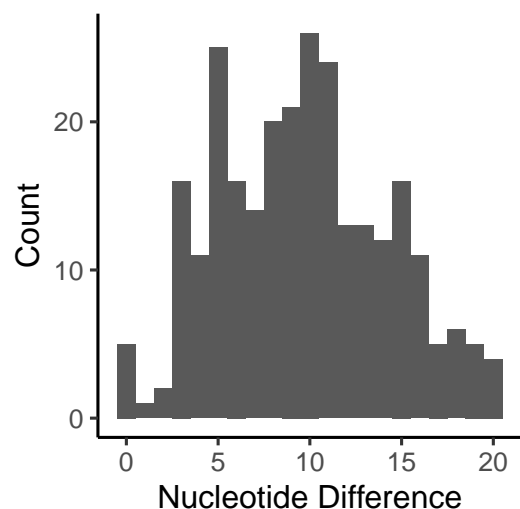
IGHV3-23*01_04

1708 sequences assigned
4 (0.2%) exact matches, in which:
4 unique CDR3
3 unique J



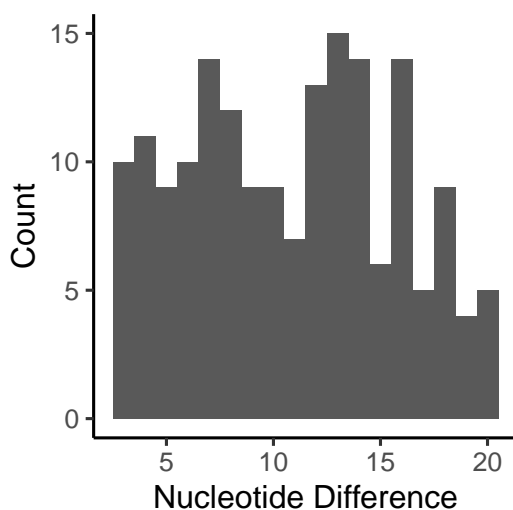
IGHV3-30-3*01

320 sequences assigned
5 (1.6%) exact matches, in which:
2 unique CDR3
1 unique J



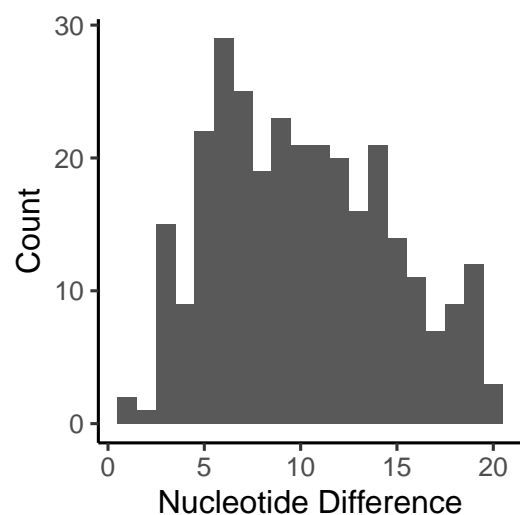
IGHV3-33*01

206 sequences assigned
No exact matches.



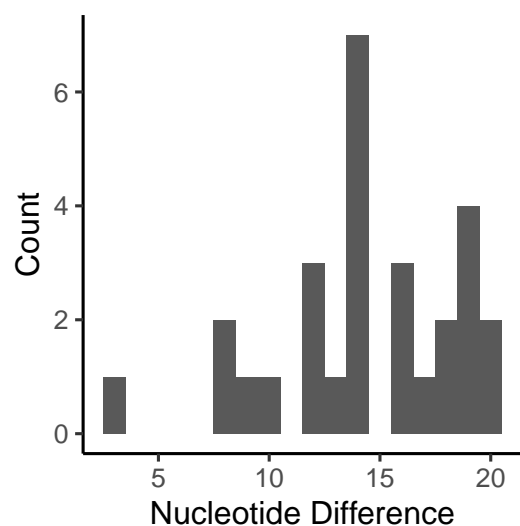
IGHV3-48*03

344 sequences assigned
No exact matches.



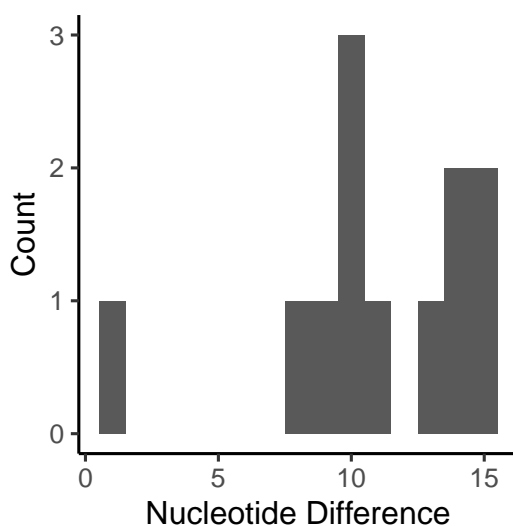
IGHV3-30*03

48 sequences assigned
No exact matches.



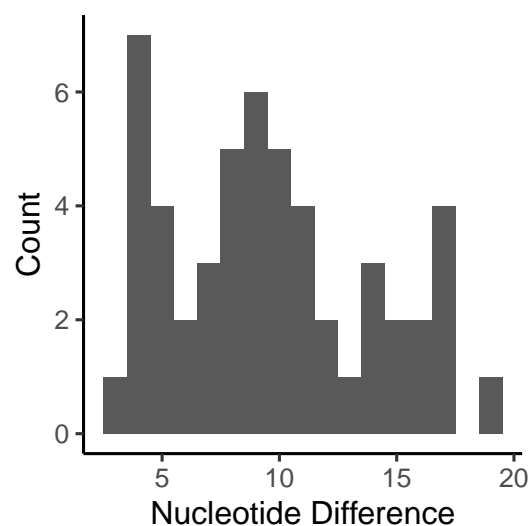
IGHV3-43*01

17 sequences assigned
No exact matches.



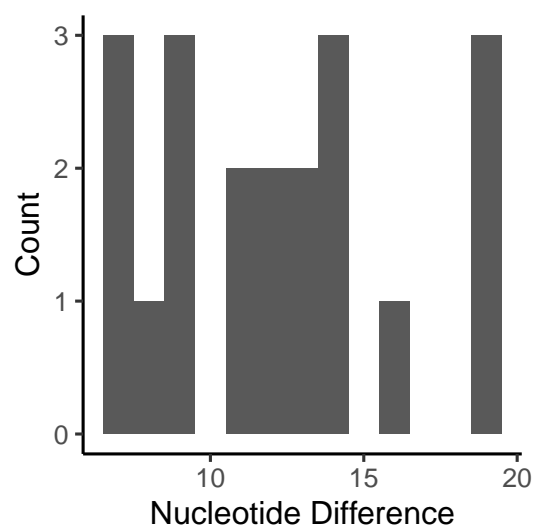
IGHV3-49*04

69 sequences assigned
No exact matches.



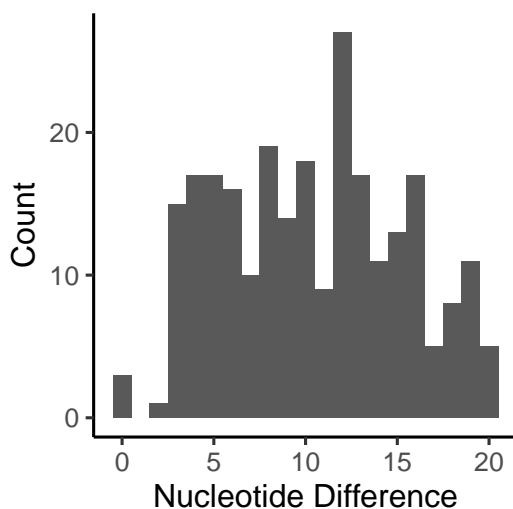
IGHV3-30*04

27 sequences assigned
No exact matches.



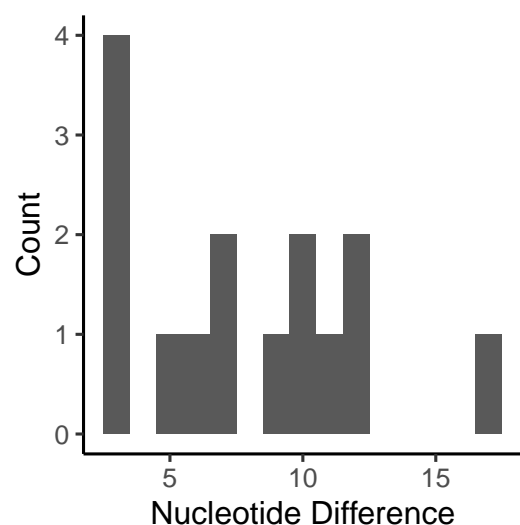
IGHV3-48*02

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



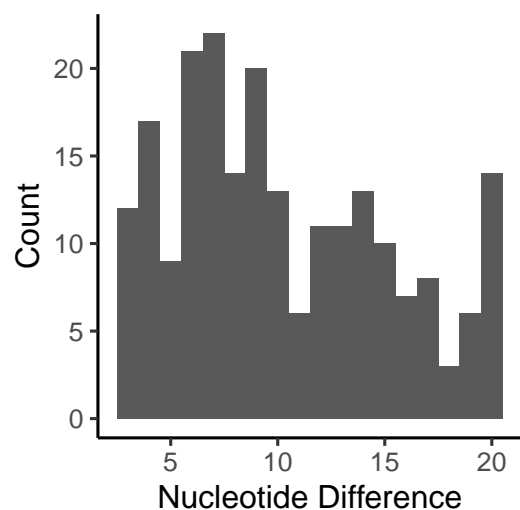
IGHV3-49*03_05

23 sequences assigned
No exact matches.



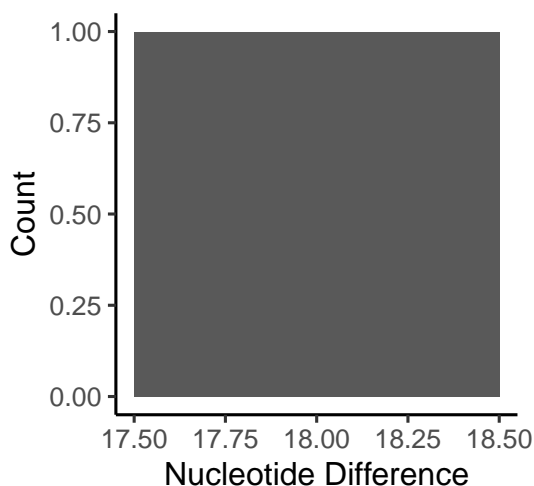
IGHV3-53*01_02

270 sequences assigned
No exact matches.



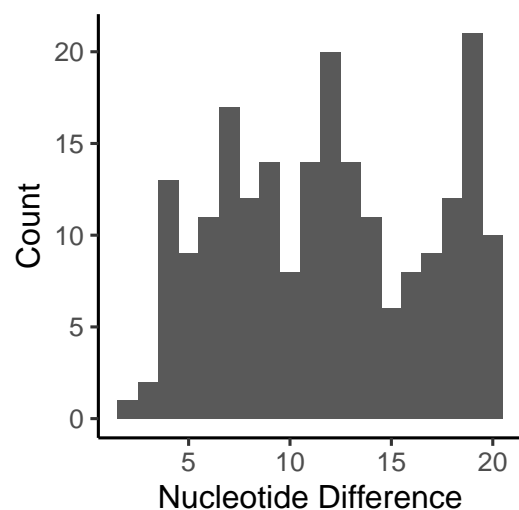
IGHV3-69-1*01

2 sequences assigned
No exact matches.



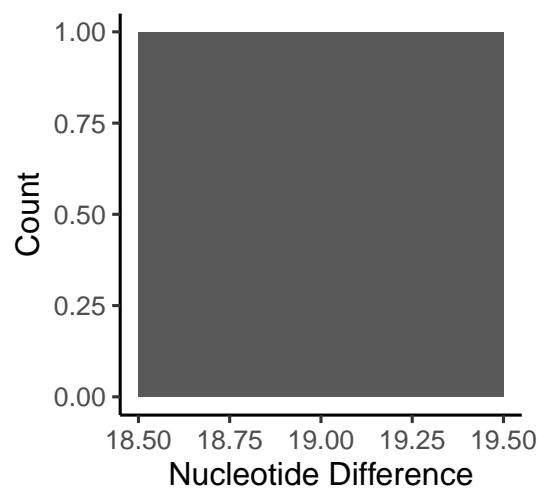
IGHV3-74*03

247 sequences assigned
No exact matches.



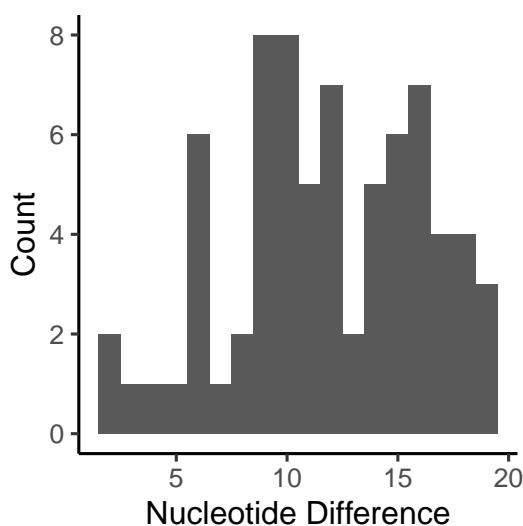
IGHV3-64*05

1 sequences assigned
No exact matches.



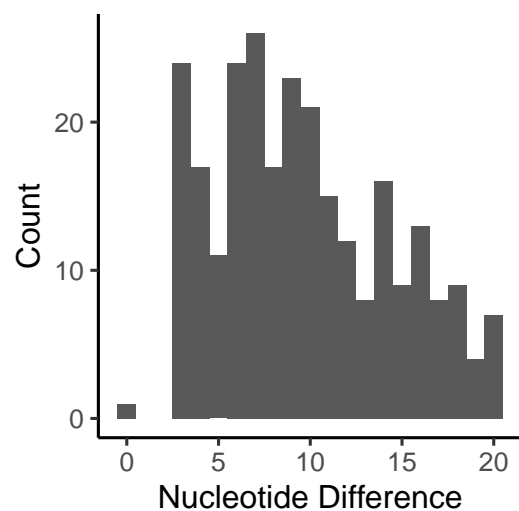
IGHV3-72*01

84 sequences assigned
No exact matches.



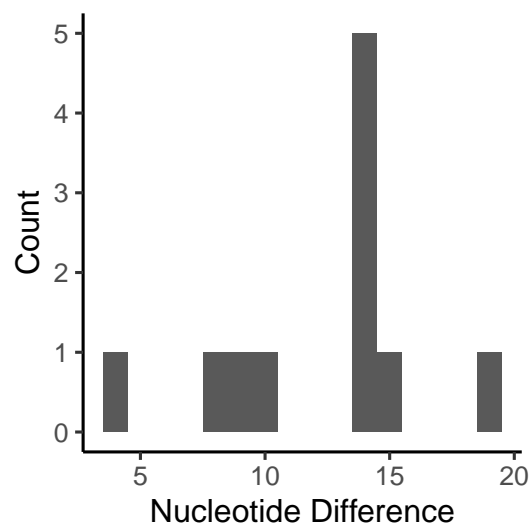
IGHV3-74*01_02

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



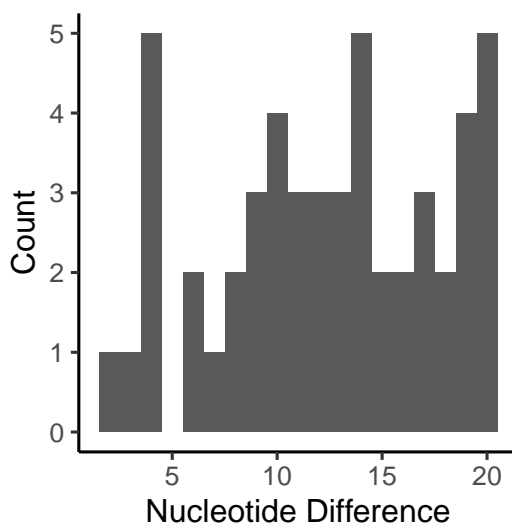
IGHV3-64*02_07

12 sequences assigned
No exact matches.



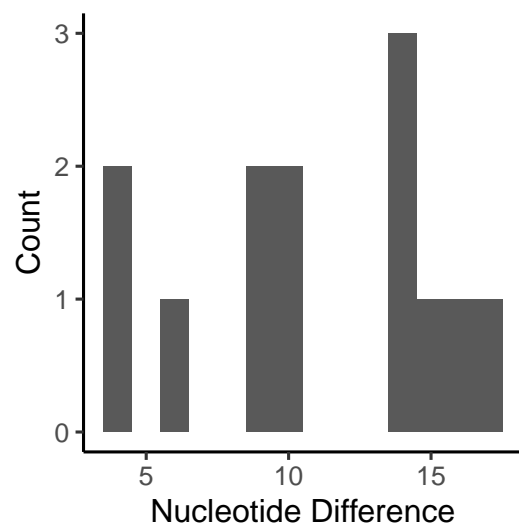
IGHV3-73*01_02

58 sequences assigned
No exact matches.



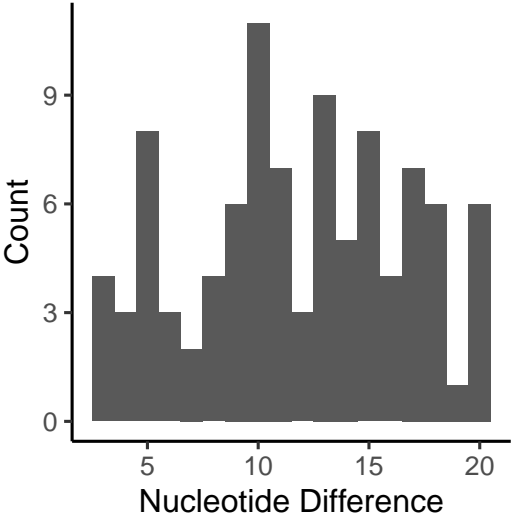
IGHV3-43D*04

15 sequences assigned
No exact matches.



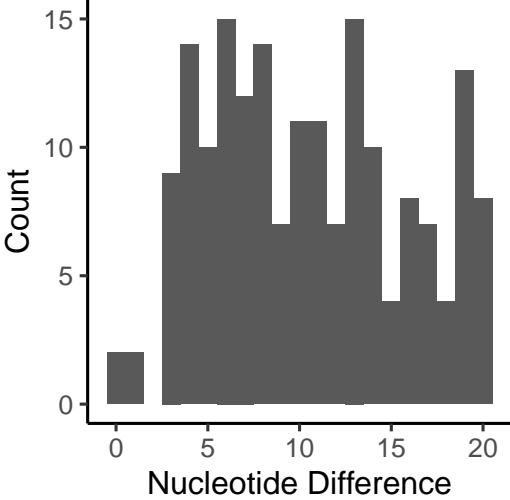
IGHV3-64D*06

120 sequences assigned
No exact matches.



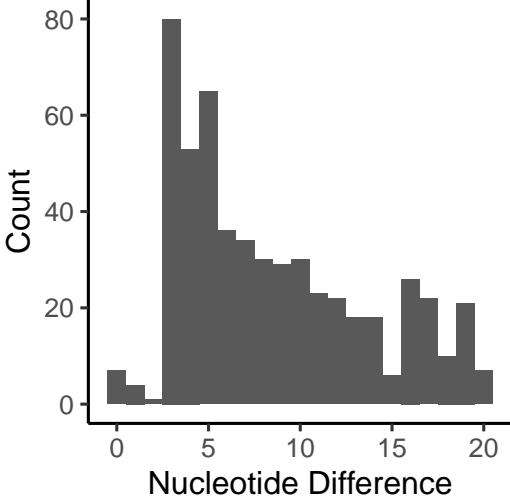
IGHV4-30-4*01

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



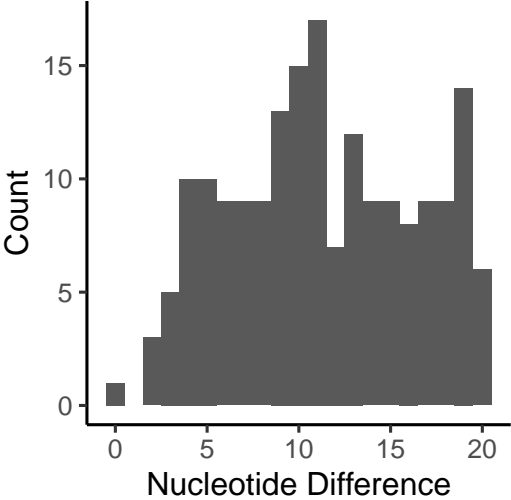
IGHV4-34*01_02

772 sequences assigned
7 (0.9%) exact matches, in which:
6 unique CDR3
3 unique J



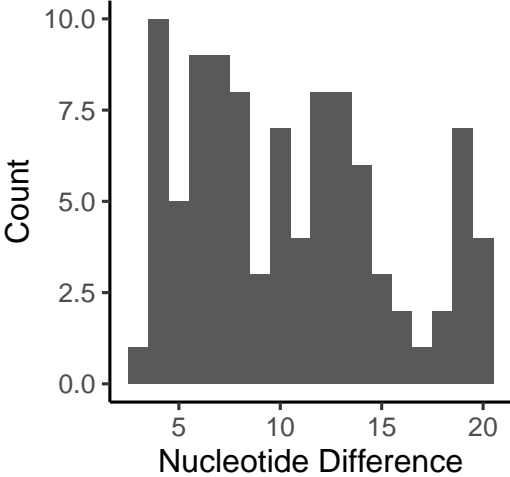
IGHV4-4*02_03

261 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



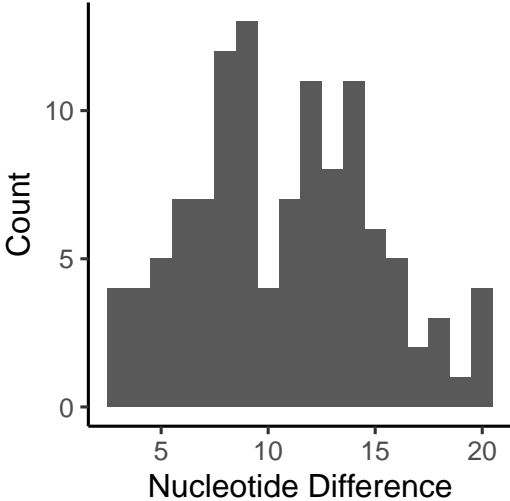
IGHV4-30-2*01

127 sequences assigned
No exact matches.



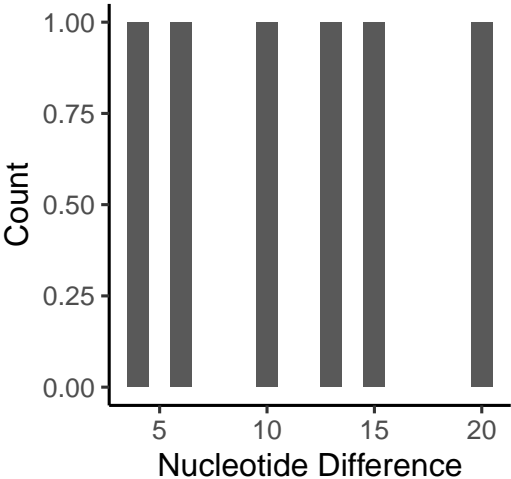
IGHV4-38-2*01

130 sequences assigned
No exact matches.



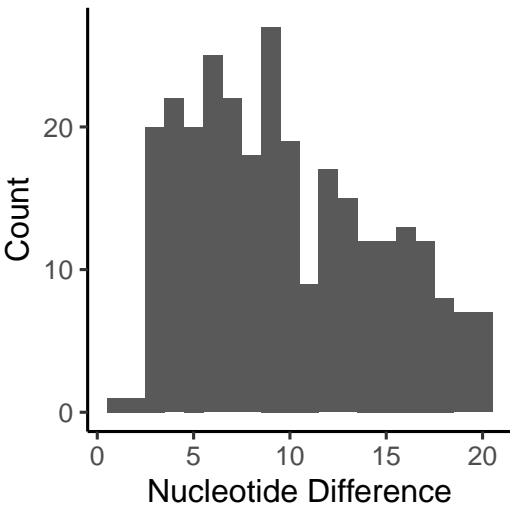
IGHV4-28*01_07

7 sequences assigned
No exact matches.



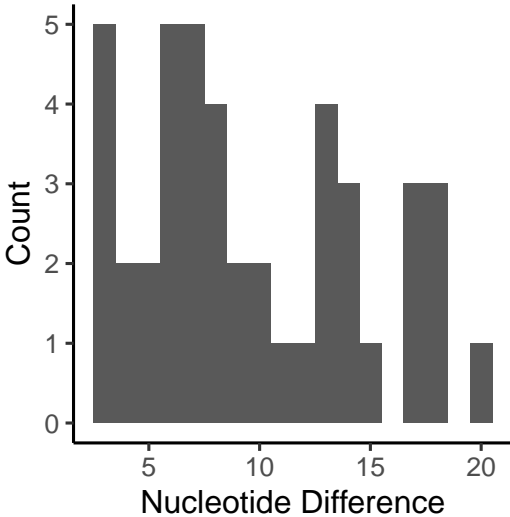
IGHV4-31*02

358 sequences assigned
No exact matches.



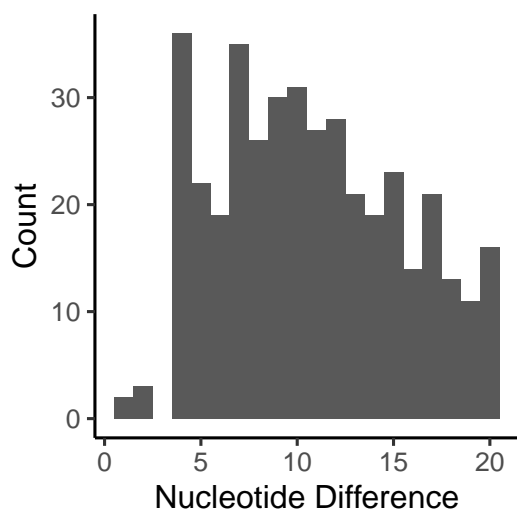
IGHV4-38-2*02

63 sequences assigned
No exact matches.



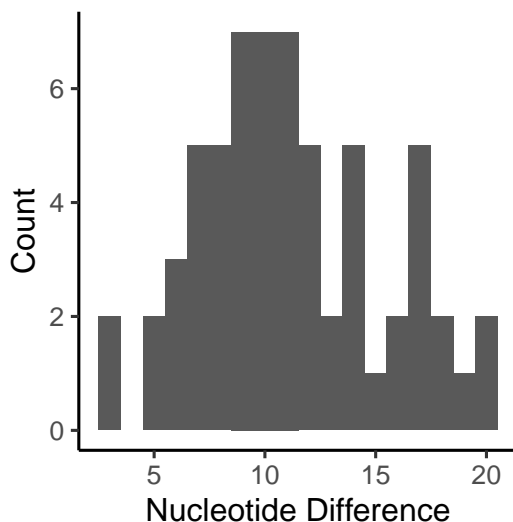
IGHV4–39*02

551 sequences assigned
No exact matches.



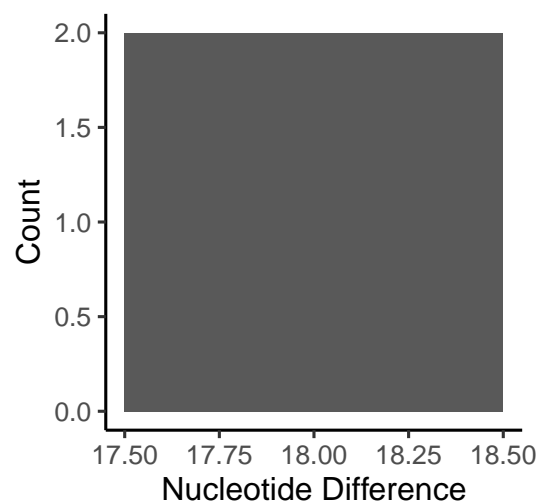
IGHV4–59*11

83 sequences assigned
No exact matches.



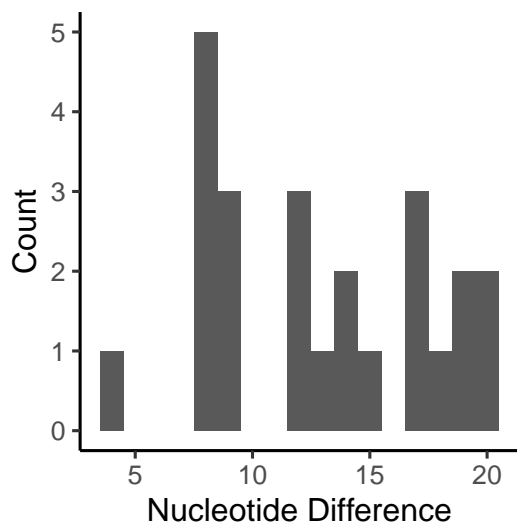
IGHV4/OR15–8*02

6 sequences assigned
No exact matches.



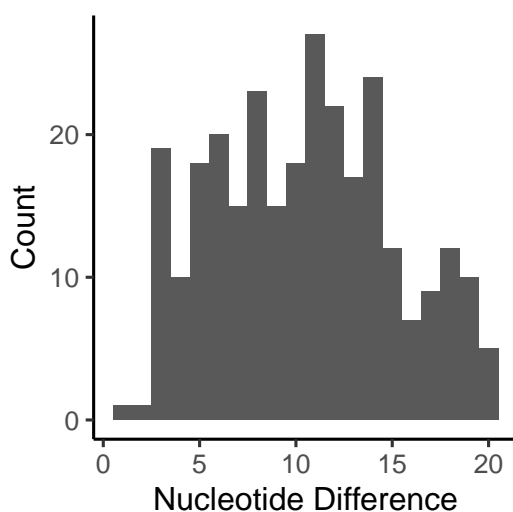
IGHV4–59*02

37 sequences assigned
No exact matches.



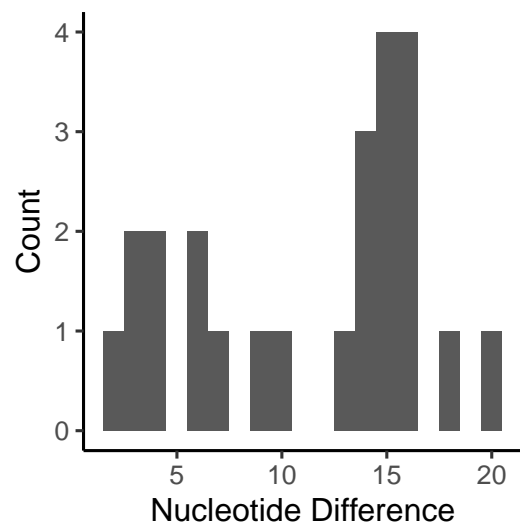
IGHV4–61*01

384 sequences assigned
No exact matches.



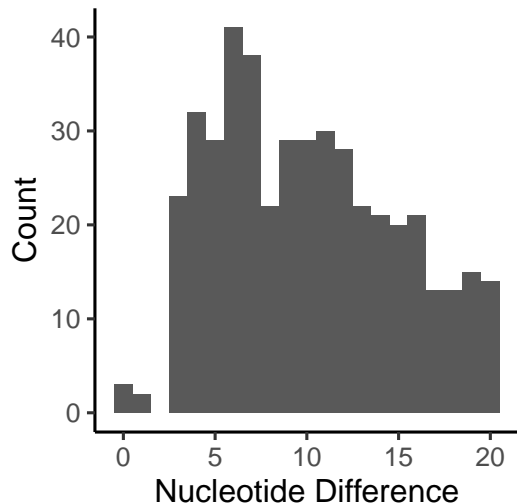
IGHV5–10–1*01_03

29 sequences assigned
No exact matches.



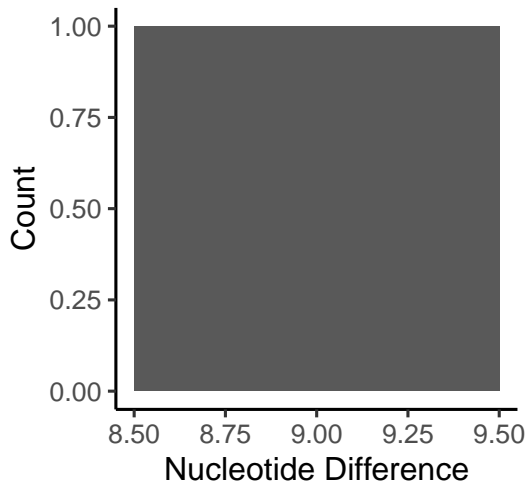
IGHV4–59*01_07

514 sequences assigned
3 (0.6%) exact matches, in which:
3 unique CDR3
1 unique J



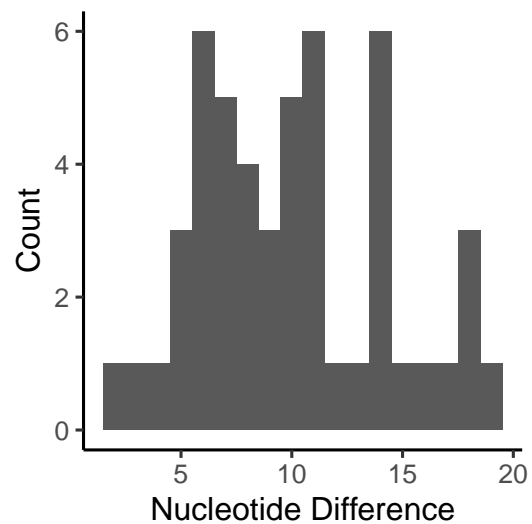
IGHV4/OR15–8*01

3 sequences assigned
No exact matches.



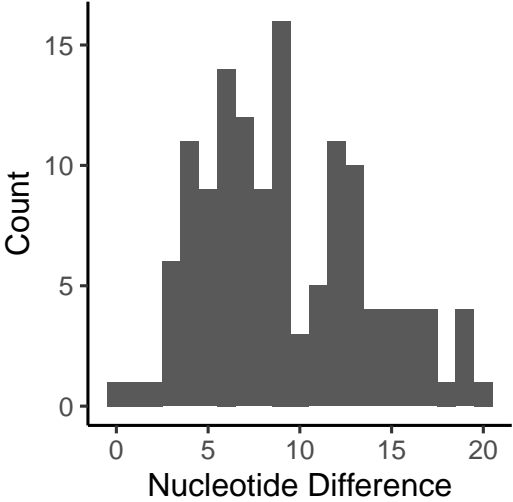
IGHV5–51*07

60 sequences assigned
No exact matches.



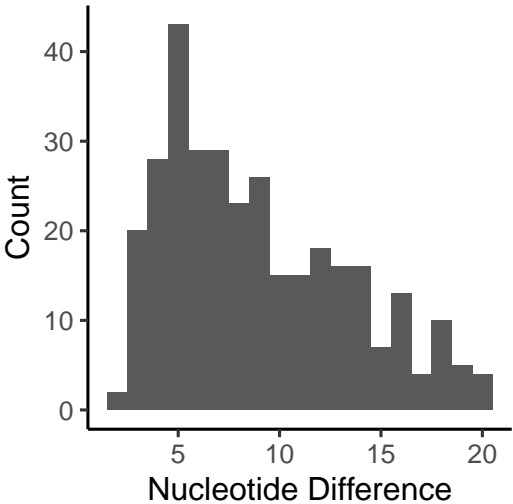
IGHV5-51*01_03

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



IGHV6-1*01_02

367 sequences assigned
No exact matches.





[illegible]