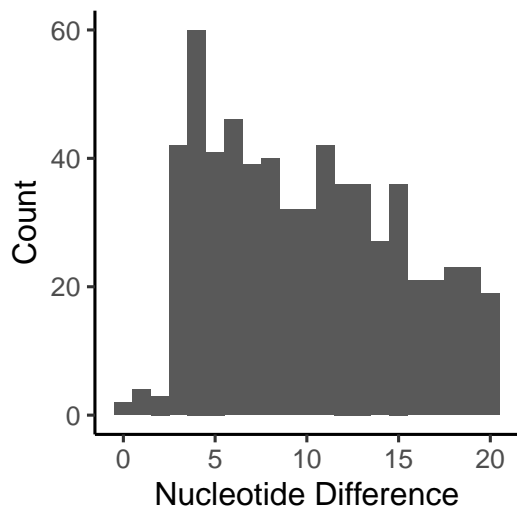


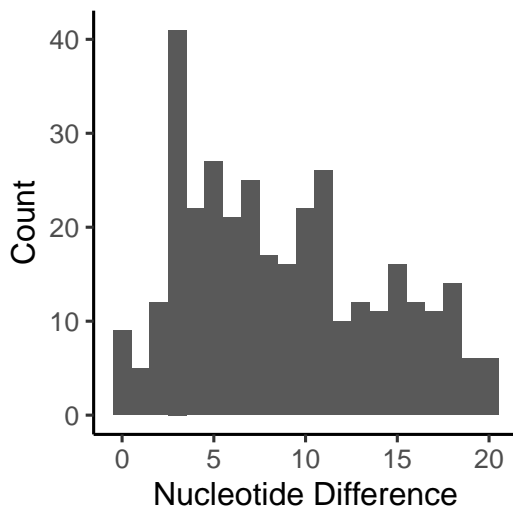
IGHV1-2*02

749 sequences assigned
2 (0.3%) exact matches, in which:
2 unique CDR3
2 unique J



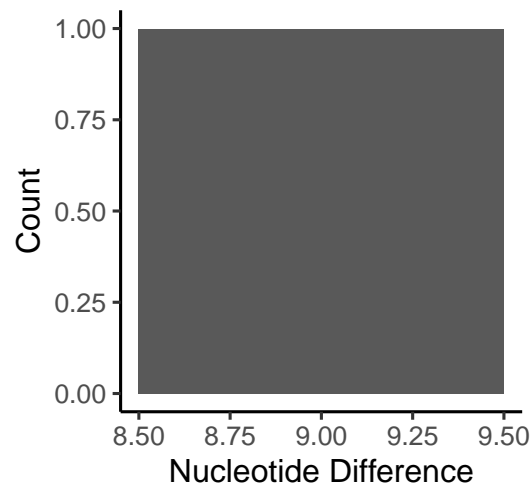
IGHV1-8*01

381 sequences assigned
9 (2.4%) exact matches, in which:
9 unique CDR3
3 unique J



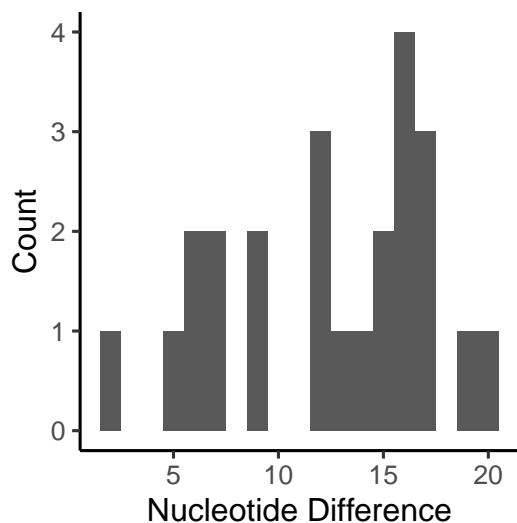
IGHV1-45*02

1 sequences assigned
No exact matches.



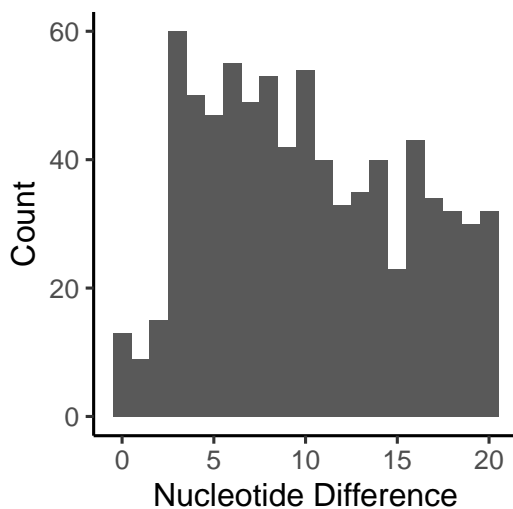
IGHV1-3*04

34 sequences assigned
No exact matches.



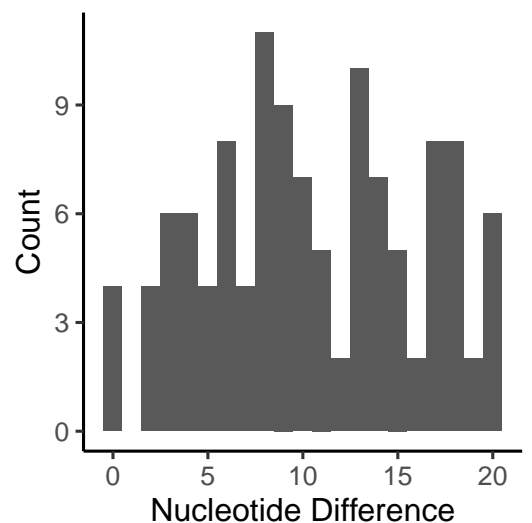
IGHV1-18*01

996 sequences assigned
13 (1.3%) exact matches, in which:
13 unique CDR3
3 unique J



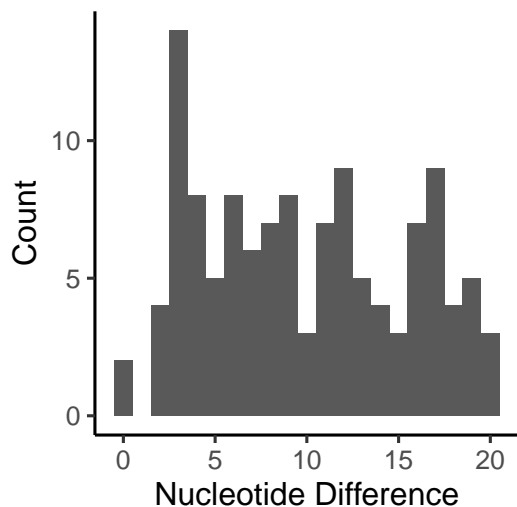
IGHV1-46*01

152 sequences assigned
4 (2.6%) exact matches, in which:
4 unique CDR3
3 unique J



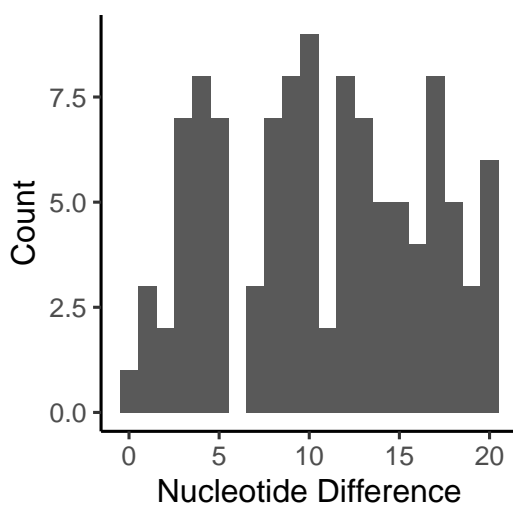
IGHV1-3*01_05

155 sequences assigned
2 (1.3%) exact matches, in which:
2 unique CDR3
1 unique J



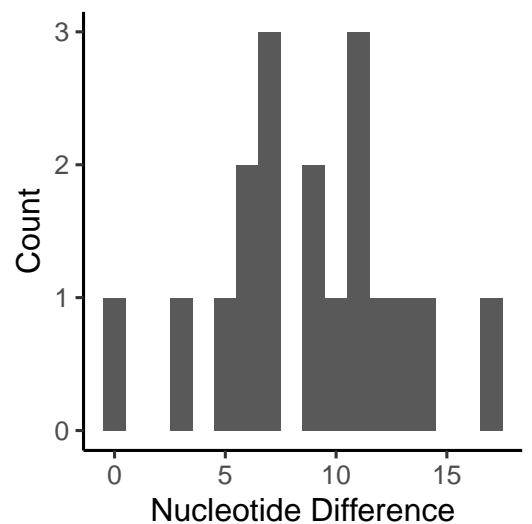
IGHV1-24*01

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



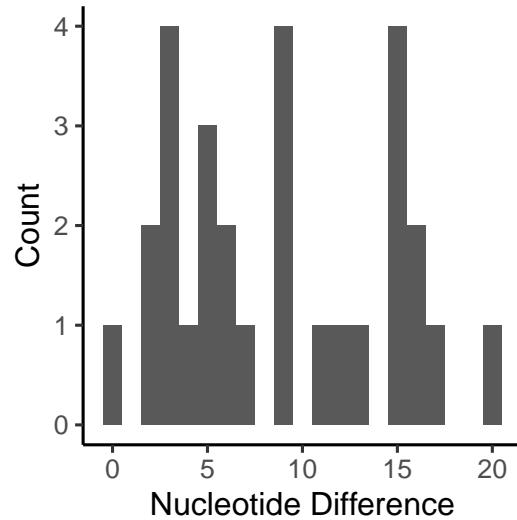
IGHV1-58*02

21 sequences assigned
1 (4.8%) exact matches, in which:
1 unique CDR3
1 unique J



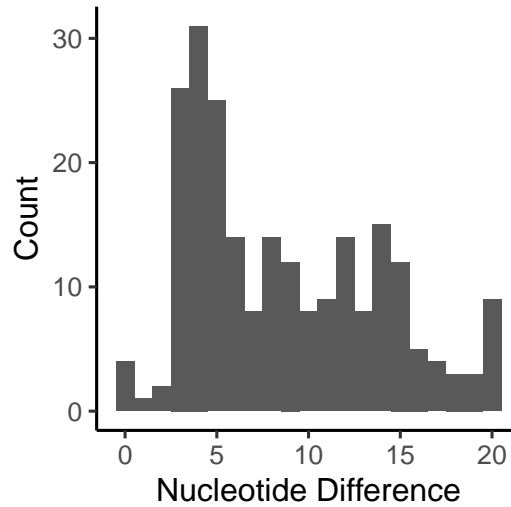
IGHV1-58*01_03

39 sequences assigned
1 (2.6%) exact matches, in which:
1 unique CDR3
1 unique J



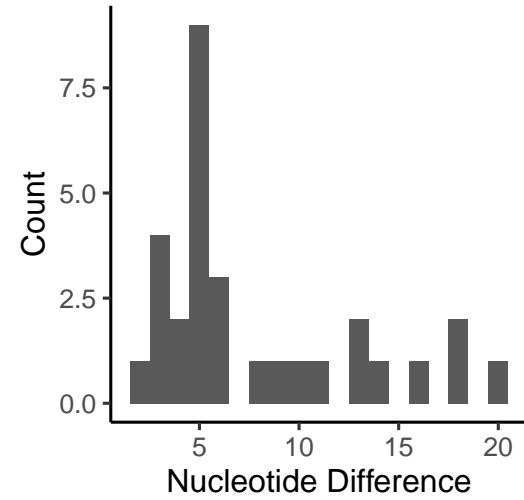
IGHV2-5*01

251 sequences assigned
4 (1.6%) exact matches, in which:
4 unique CDR3
3 unique J



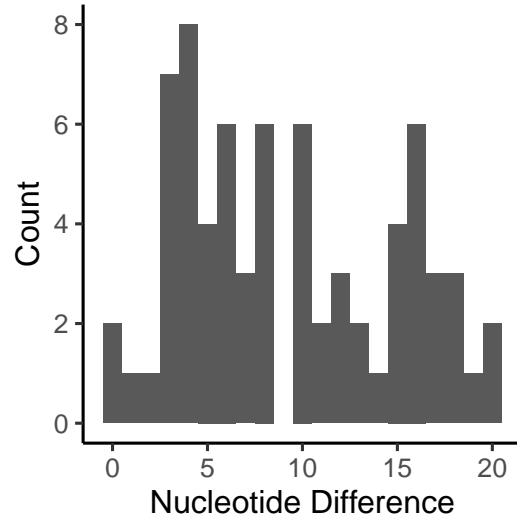
IGHV2-70*01

34 sequences assigned
No exact matches.



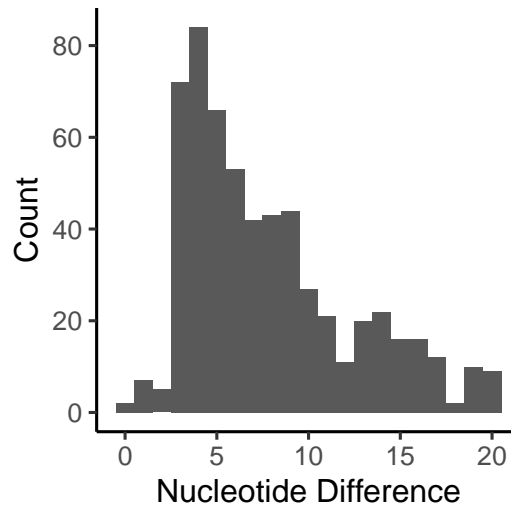
IGHV1-69*01_12_13

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



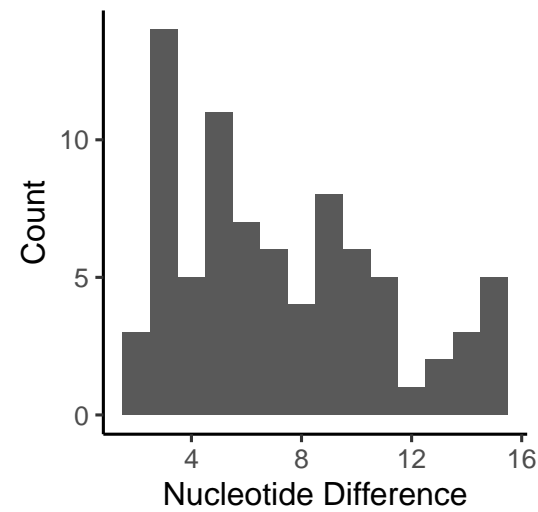
IGHV2-5*02

623 sequences assigned
2 (0.3%) exact matches, in which:
2 unique CDR3
2 unique J



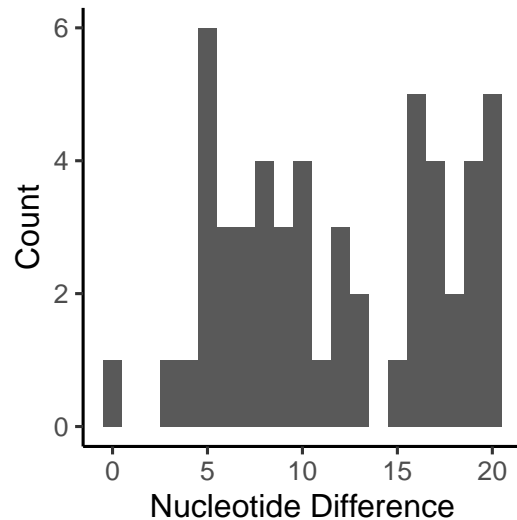
IGHV2-70*11_15

85 sequences assigned
No exact matches.



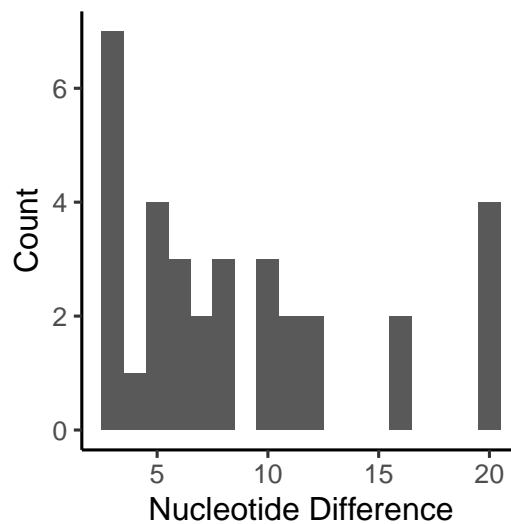
IGHV1-69*04_09

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



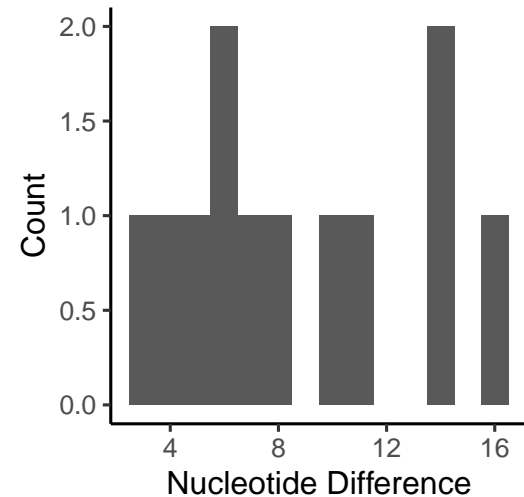
IGHV2-26*01

39 sequences assigned
No exact matches.



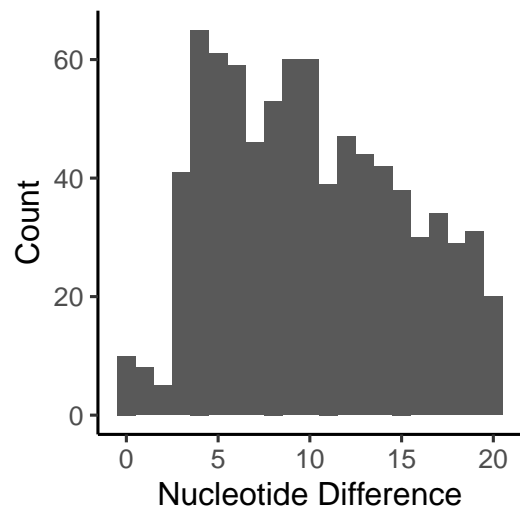
IGHV2-70*16_17

12 sequences assigned
No exact matches.



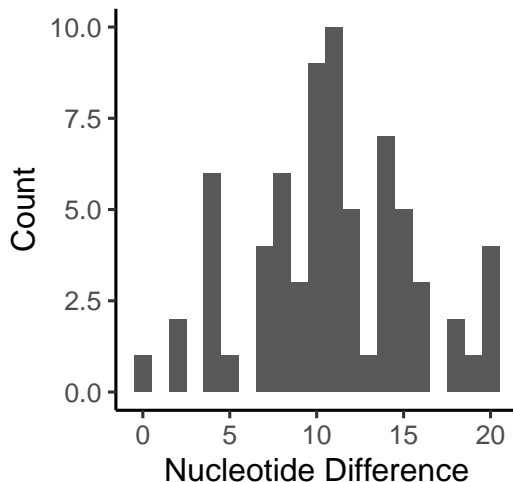
IGHV3-7*01

950 sequences assigned
10 (1.1%) exact matches, in which:
8 unique CDR3
2 unique J



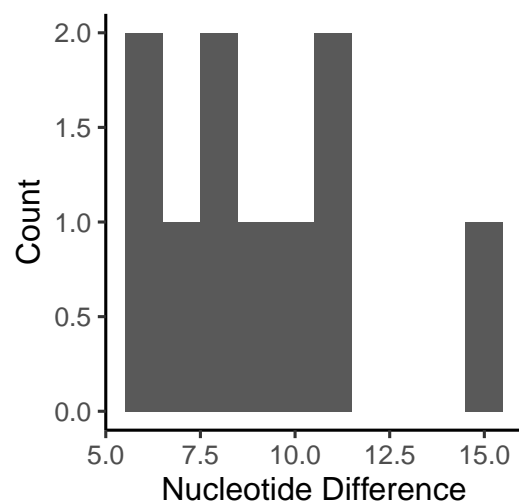
IGHV3-13*01

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



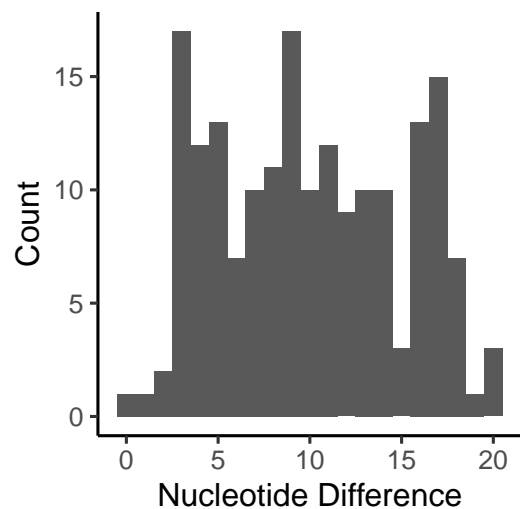
IGHV3-20*01_02

12 sequences assigned
No exact matches.



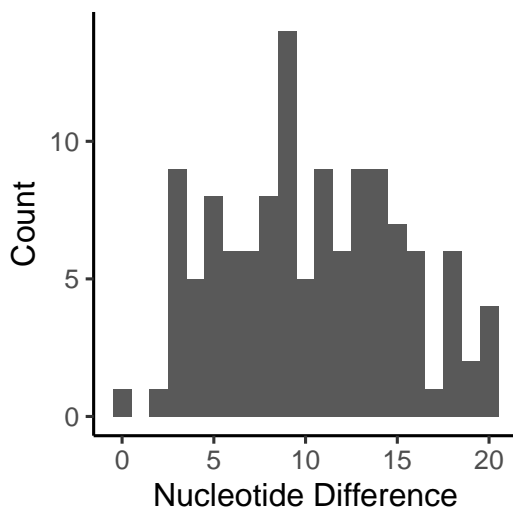
IGHV3-9*01

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



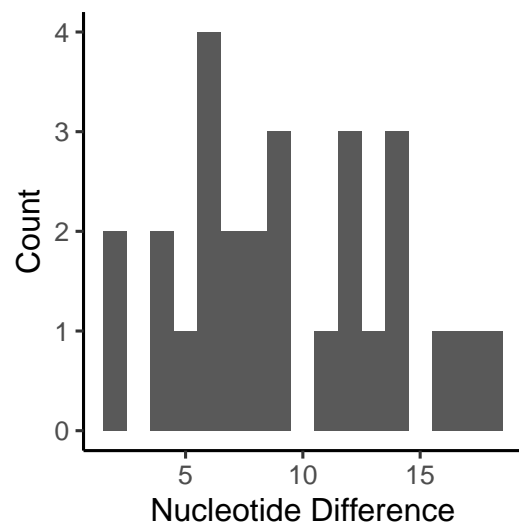
IGHV3-15*07

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



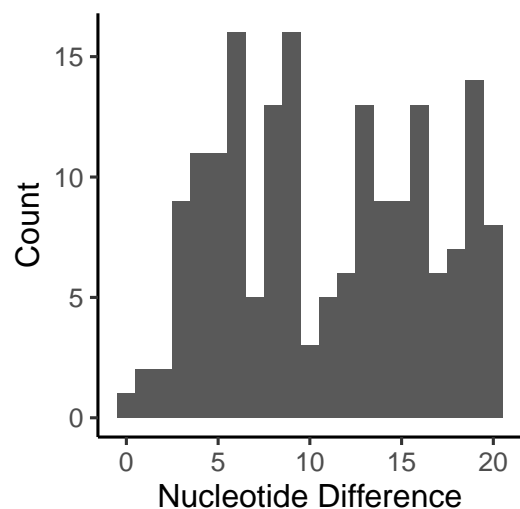
IGHV3-20*03_04

29 sequences assigned
No exact matches.



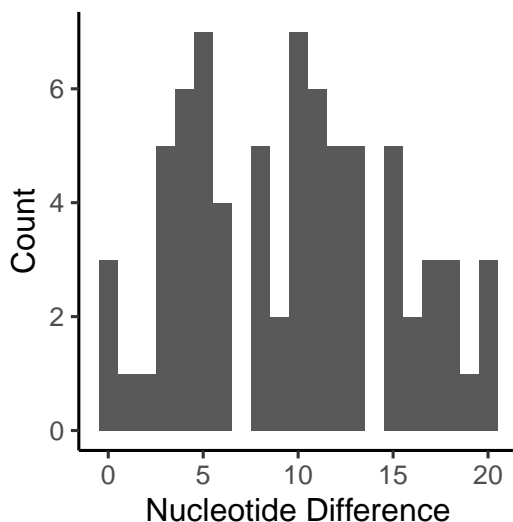
IGHV3-11*01

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



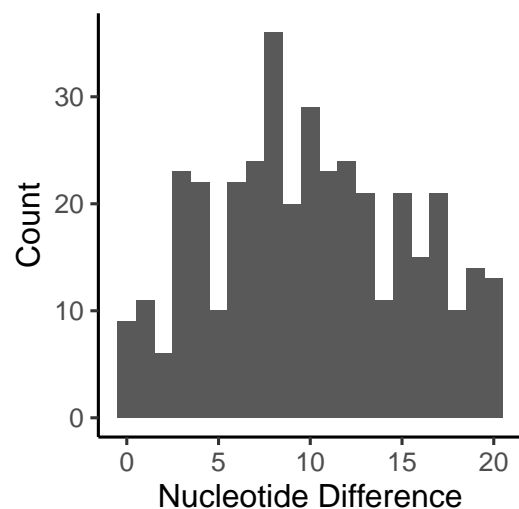
IGHV3-15*01_02

95 sequences assigned
3 (3.2%) exact matches, in which:
3 unique CDR3
2 unique J



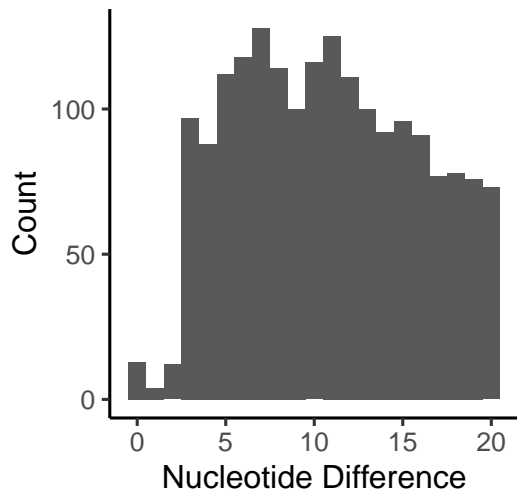
IGHV3-21*01_02

471 sequences assigned
9 (1.9%) exact matches, in which:
9 unique CDR3
4 unique J



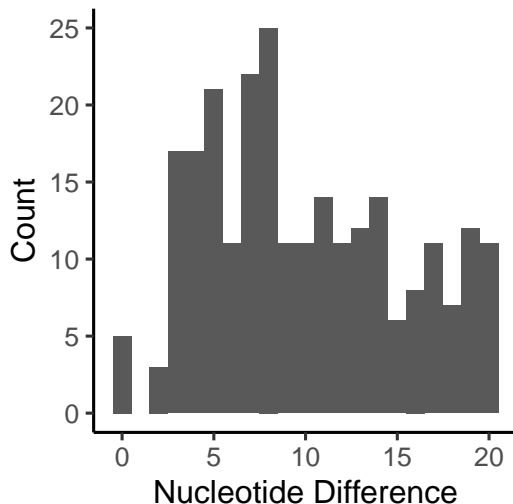
IGHV3-23*01_04

2255 sequences assigned
13 (0.6%) exact matches, in which:
11 unique CDR3
3 unique J



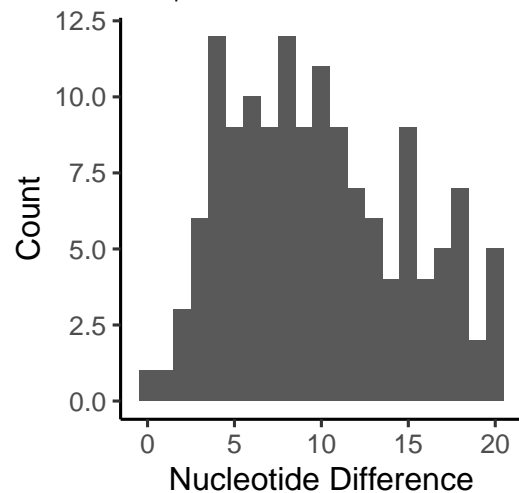
IGHV3-33*01

312 sequences assigned
5 (1.6%) exact matches, in which:
5 unique CDR3
3 unique J



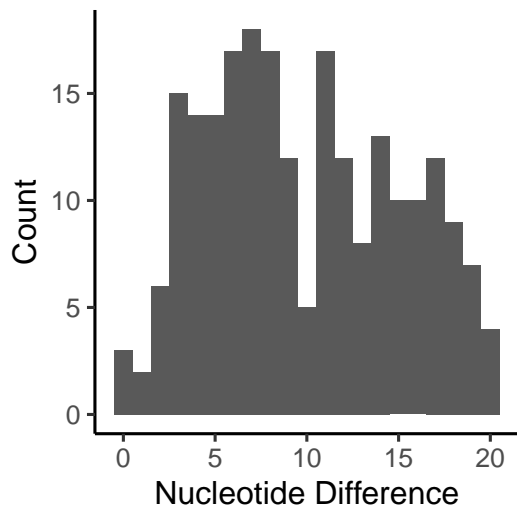
IGHV3-43*02

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



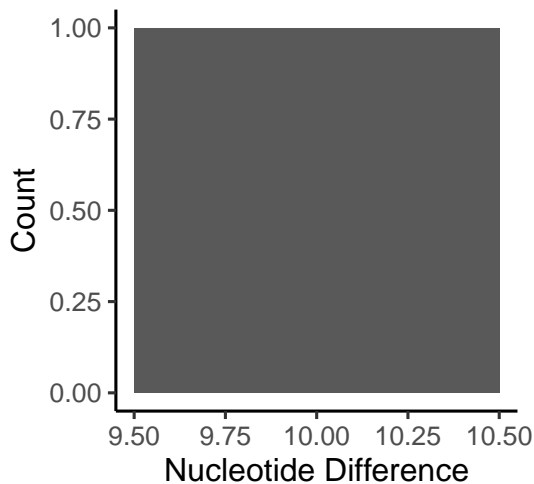
IGHV3-30-3*01

278 sequences assigned
3 (1.1%) exact matches, in which:
3 unique CDR3
2 unique J



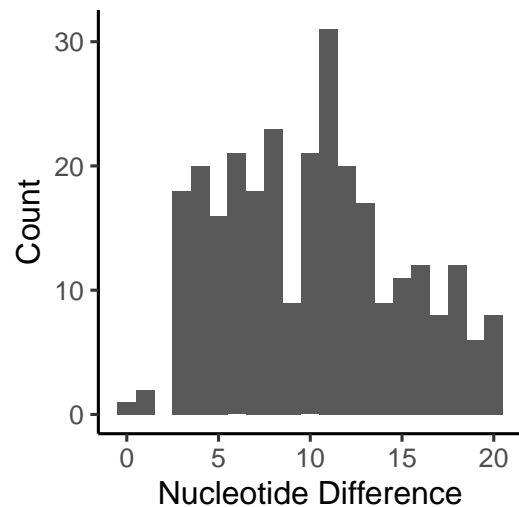
IGHV3-35*01

1 sequences assigned
No exact matches.



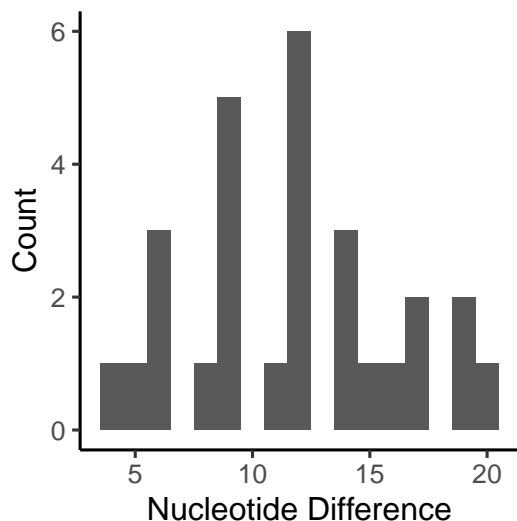
IGHV3-48*02

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



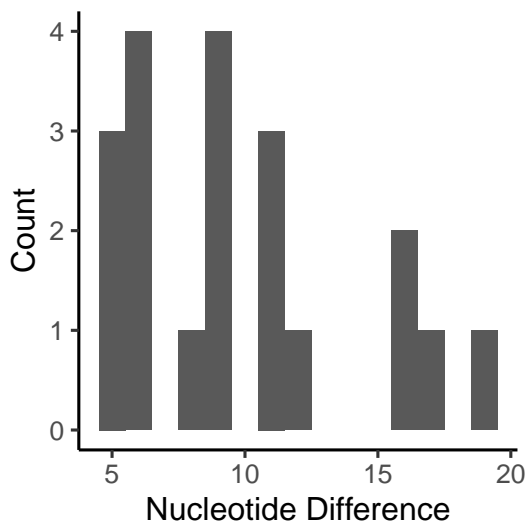
IGHV3-30*04

42 sequences assigned
No exact matches.



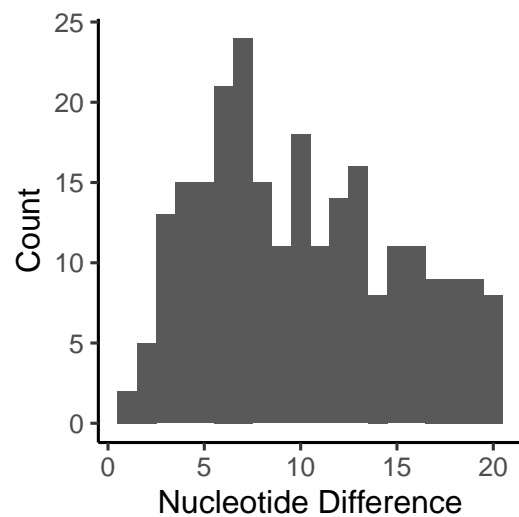
IGHV3-43*01

25 sequences assigned
No exact matches.



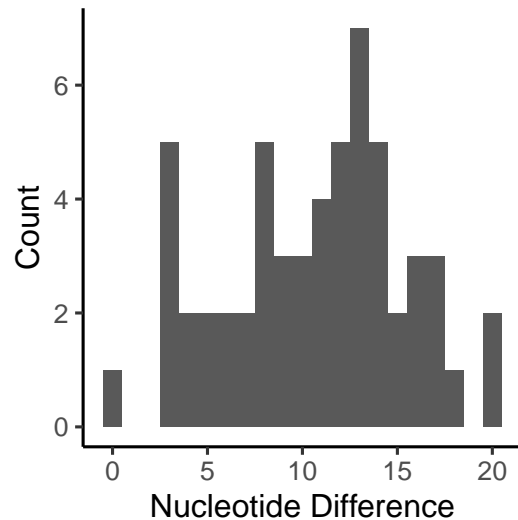
IGHV3-48*03

284 sequences assigned
No exact matches.



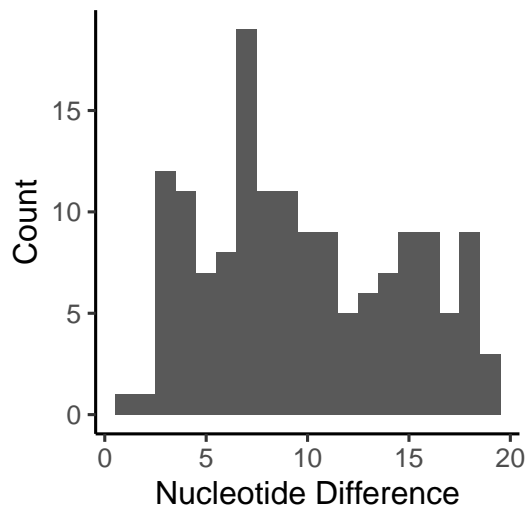
IGHV3-49*04

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



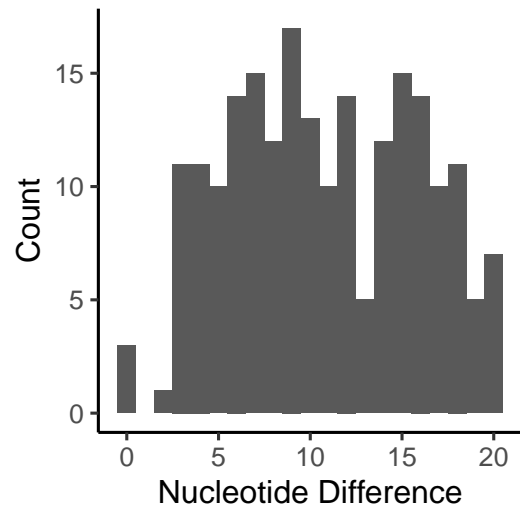
IGHV3-53*01_02

175 sequences assigned
No exact matches.



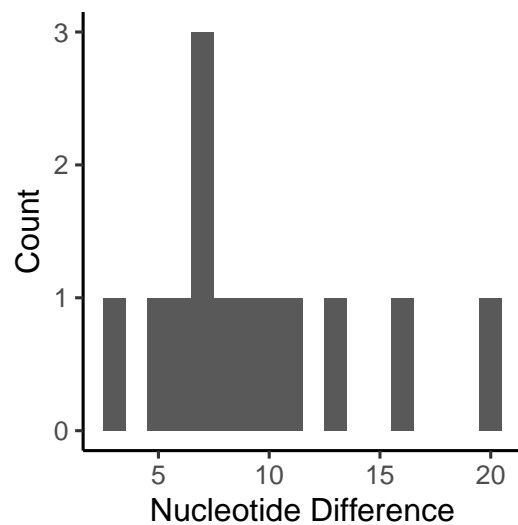
IGHV3-66*01

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



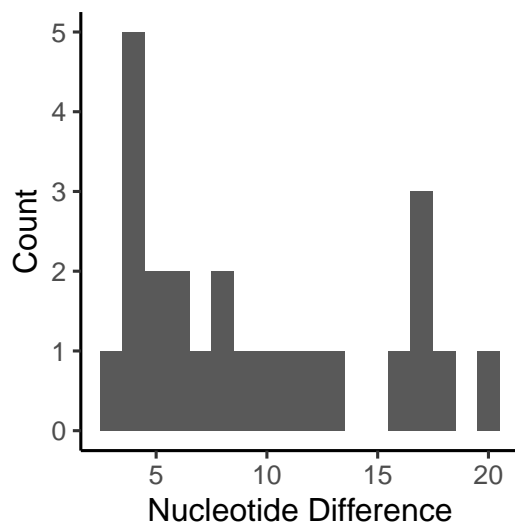
IGHV3-49*03_05

15 sequences assigned
No exact matches.



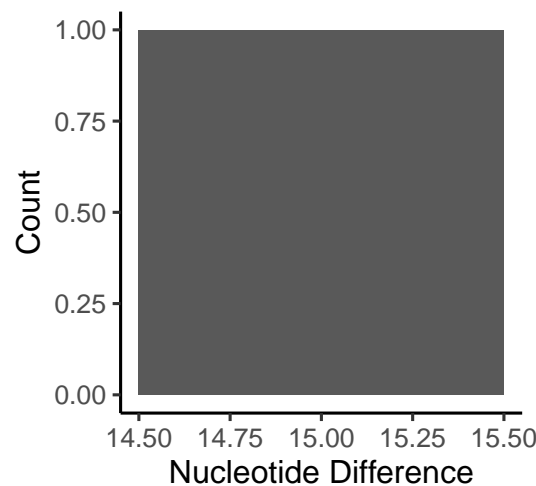
IGHV3-64*01

34 sequences assigned
No exact matches.



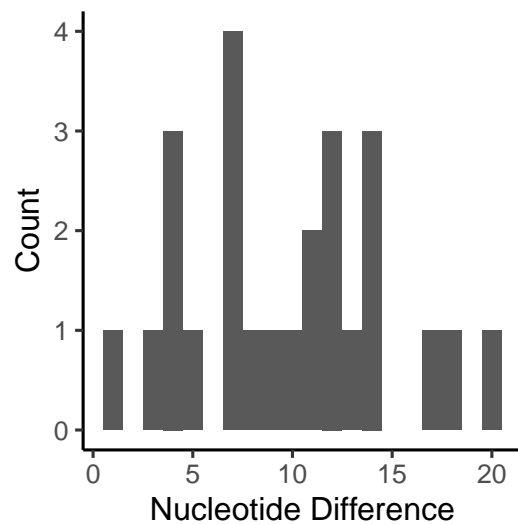
IGHV3-69-1*01

4 sequences assigned
No exact matches.



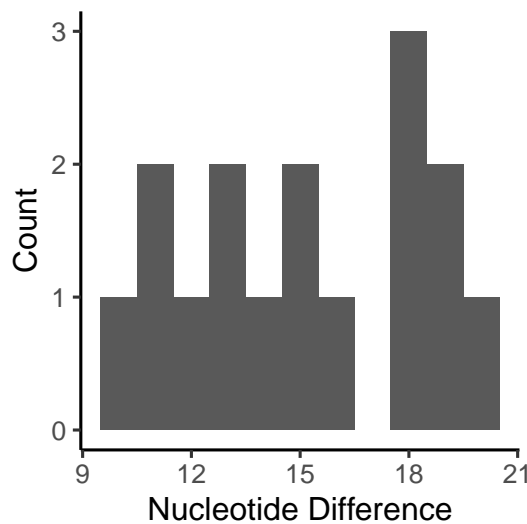
IGHV3-53*04

33 sequences assigned
No exact matches.



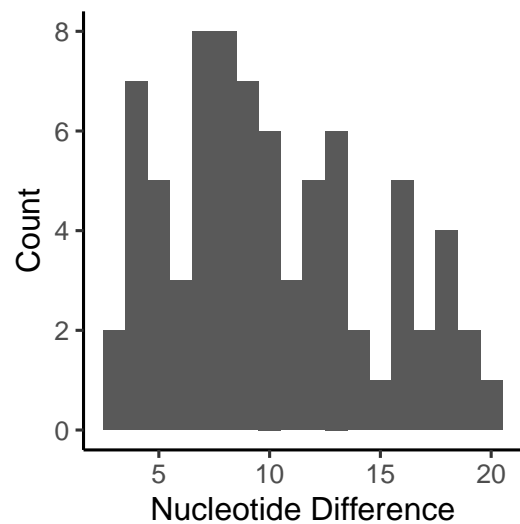
IGHV3-64*02_07

23 sequences assigned
No exact matches.



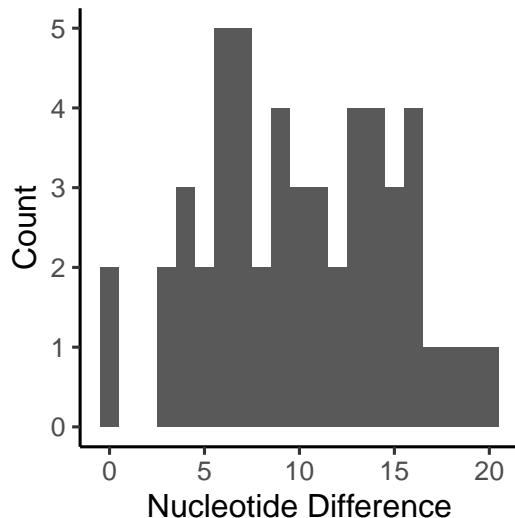
IGHV3-72*01

87 sequences assigned
No exact matches.



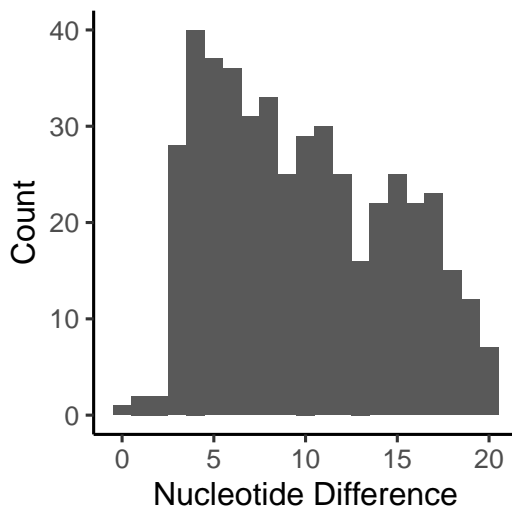
IGHV3-73*01_02

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



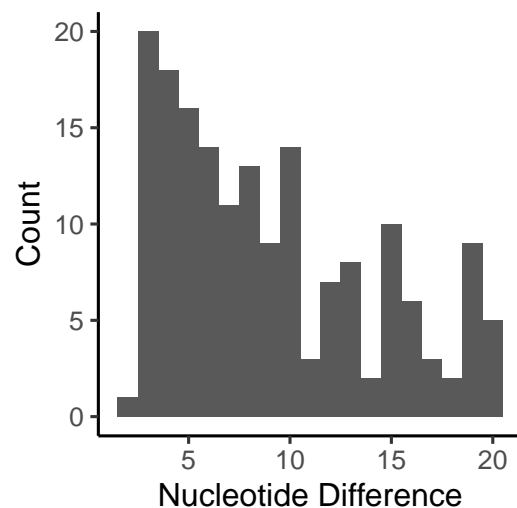
IGHV4-4*07

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



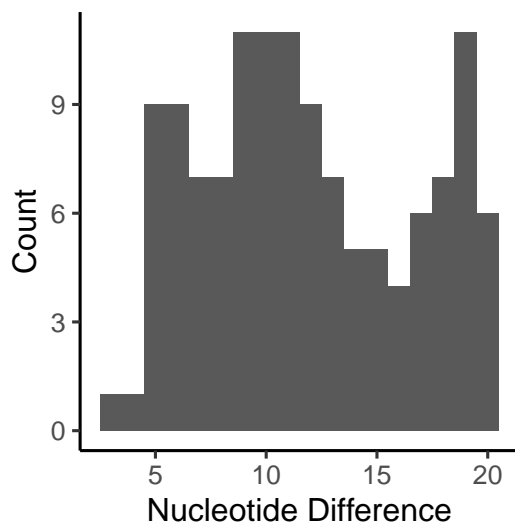
IGHV4-30-2*01

210 sequences assigned
No exact matches.



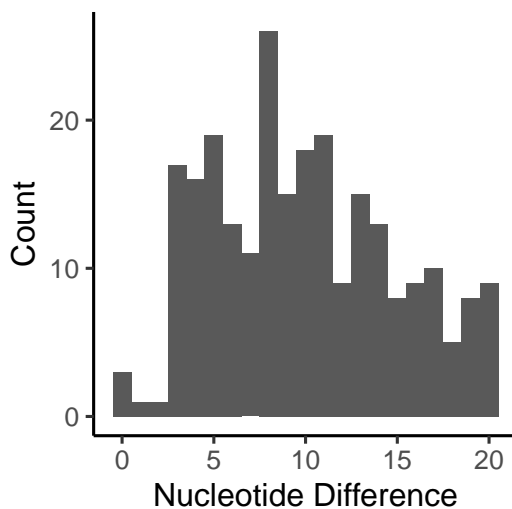
IGHV3-74*03

162 sequences assigned
No exact matches.



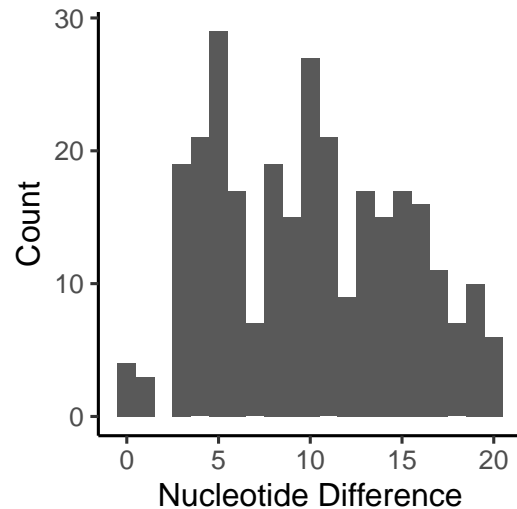
IGHV4-4*02_03

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



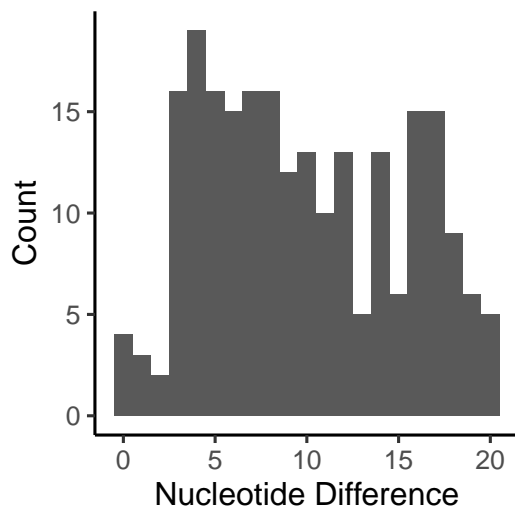
IGHV4-30-4*01

365 sequences assigned
4 (1.1%) exact matches, in which:
3 unique CDR3
3 unique J



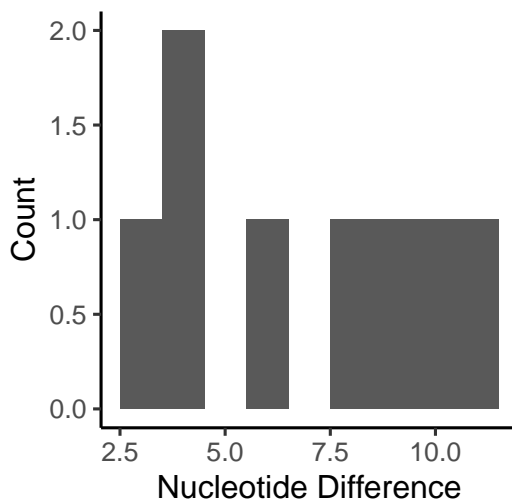
IGHV3-74*01_02

252 sequences assigned
4 (1.6%) exact matches, in which:
4 unique CDR3
2 unique J



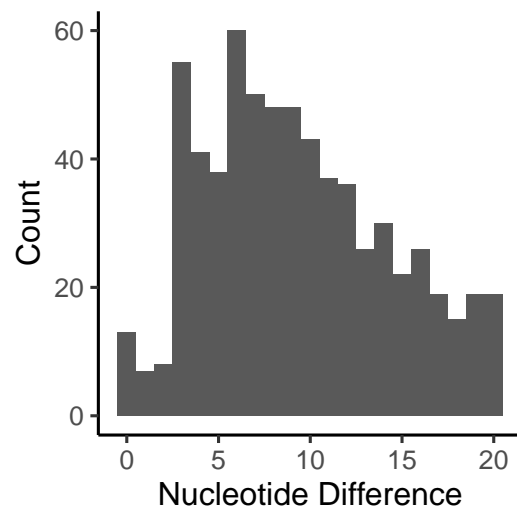
IGHV4-28*01_07

12 sequences assigned
No exact matches.



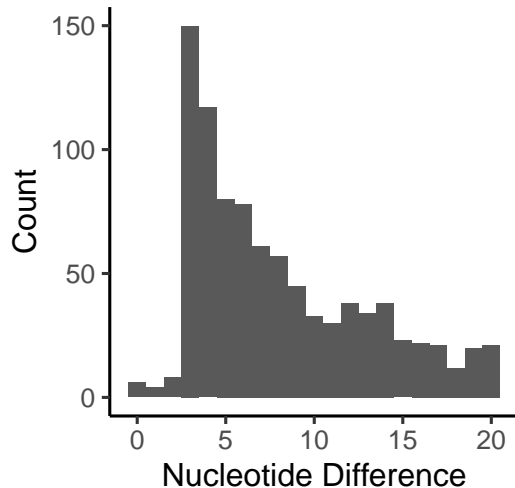
IGHV4-31*02

784 sequences assigned
13 (1.7%) exact matches, in which:
12 unique CDR3
4 unique J



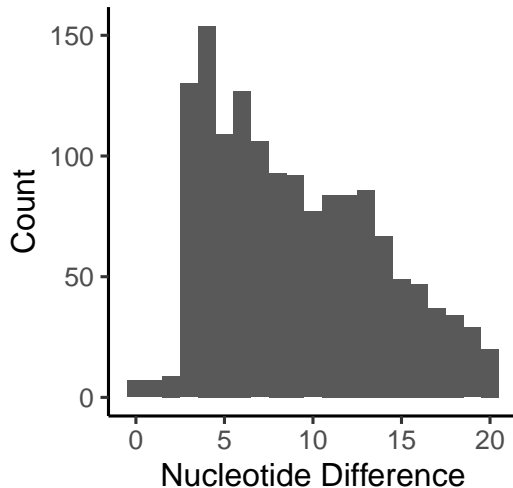
IGHV4–34*01_02

1025 sequences assigned
6 (0.6%) exact matches, in which:
6 unique CDR3
4 unique J



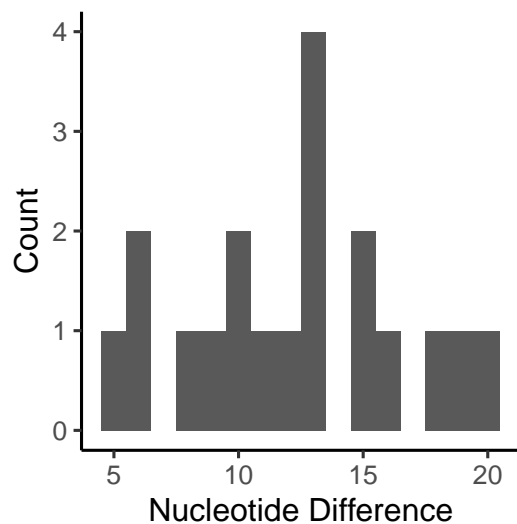
IGHV4–59*01_07

1599 sequences assigned
7 (0.4%) exact matches, in which:
6 unique CDR3
2 unique J



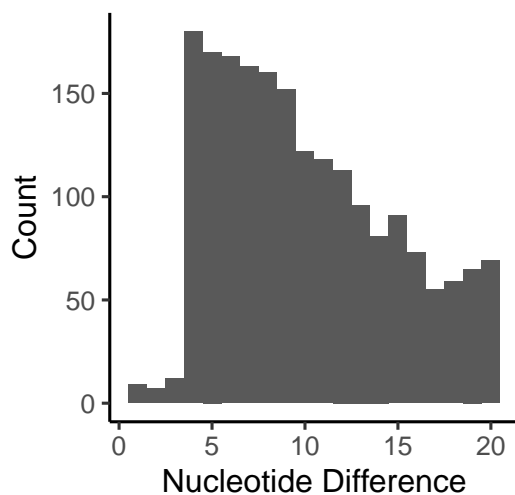
IGHV4–61*08

25 sequences assigned
No exact matches.



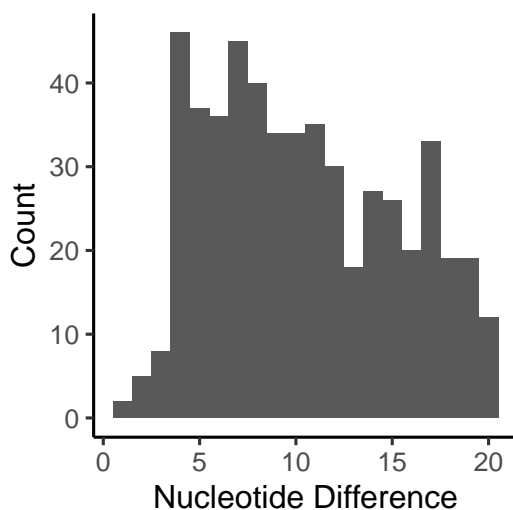
IGHV4–39*02

2358 sequences assigned
No exact matches.



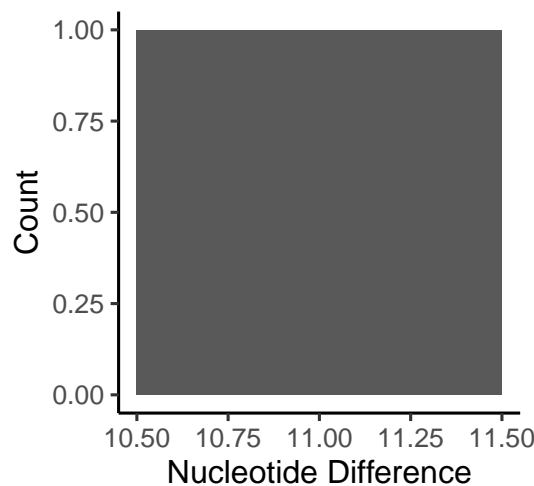
IGHV4–59*11

653 sequences assigned
No exact matches.



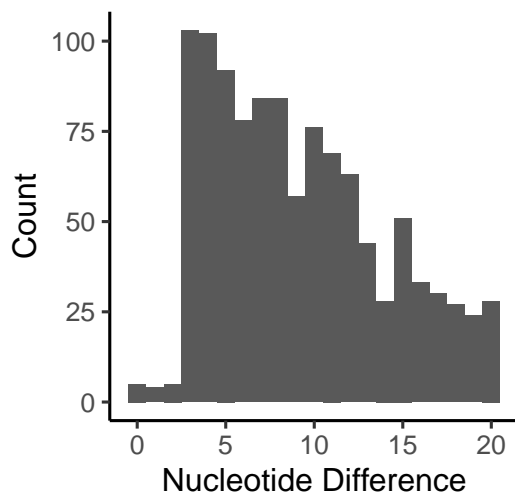
IGHV4/OR15–8*01

2 sequences assigned
No exact matches.



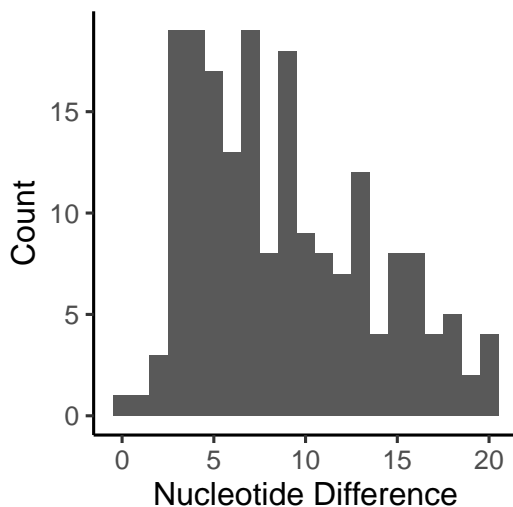
IGHV4–59*08

1241 sequences assigned
5 (0.4%) exact matches, in which:
5 unique CDR3
3 unique J



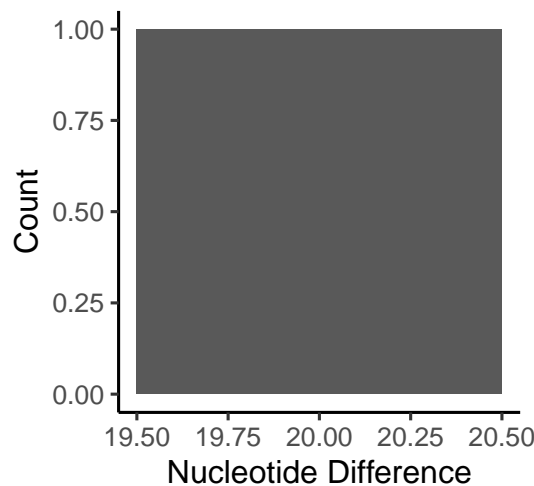
IGHV4–61*01

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



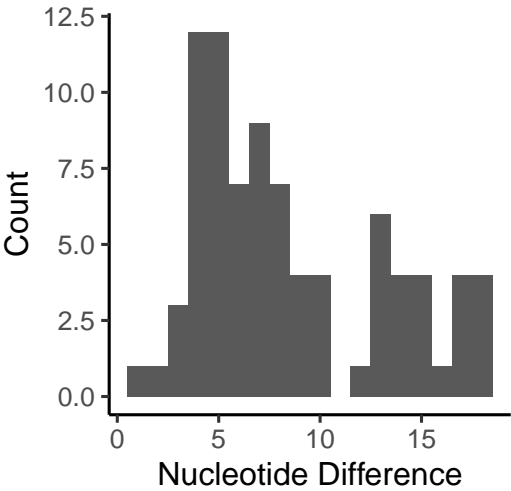
IGHV4/OR15–8*02

3 sequences assigned
No exact matches.



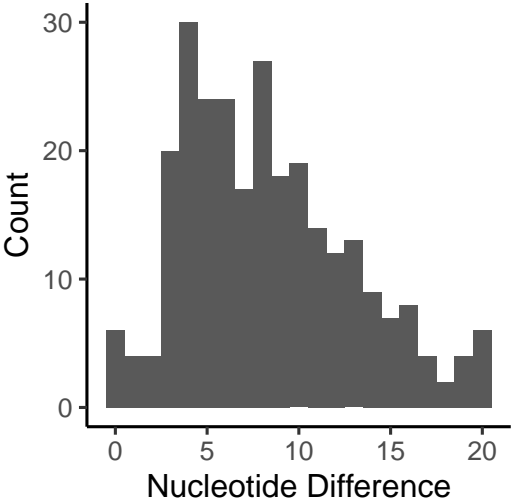
IGHV5-51*07

88 sequences assigned
No exact matches.



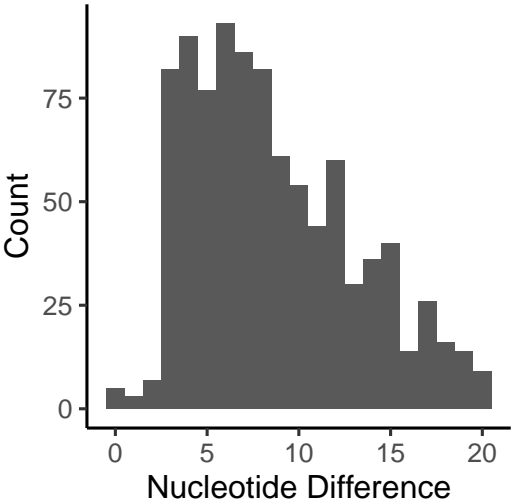
IGHV5-51*01_03

292 sequences assigned
6 (2.1%) exact matches, in which:
6 unique CDR3
2 unique J



IGHV6-1*01_02

1005 sequences assigned
5 (0.5%) exact matches, in which:
5 unique CDR3
2 unique J





Warning – no inferred sequences found.