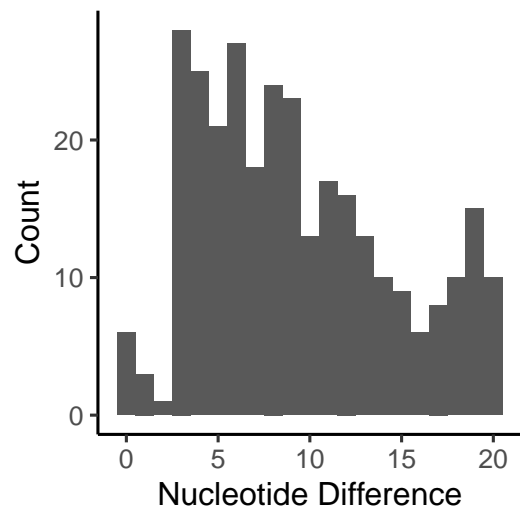


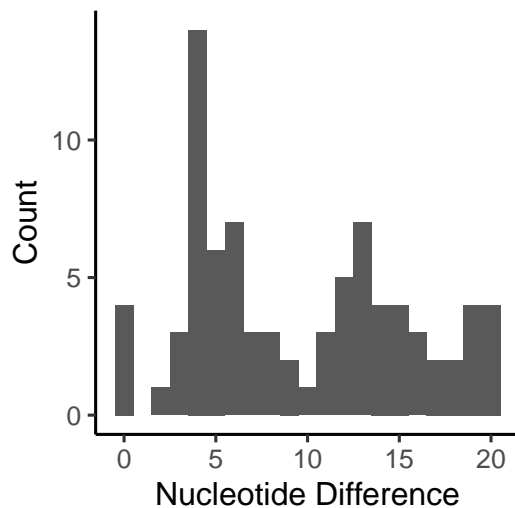
IGHV1-2*02

367 sequences assigned
6 (1.6%) exact matches, in which:
6 unique CDR3
3 unique J



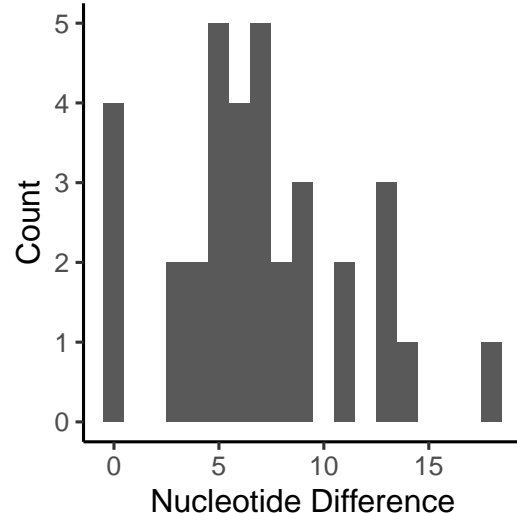
IGHV1-3*01_05

86 sequences assigned
4 (4.7%) exact matches, in which:
4 unique CDR3
3 unique J



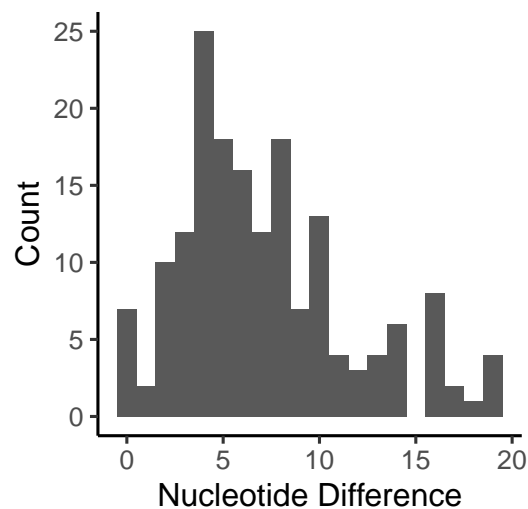
IGHV1-24*01

37 sequences assigned
4 (10.8%) exact matches, in which:
4 unique CDR3
2 unique J



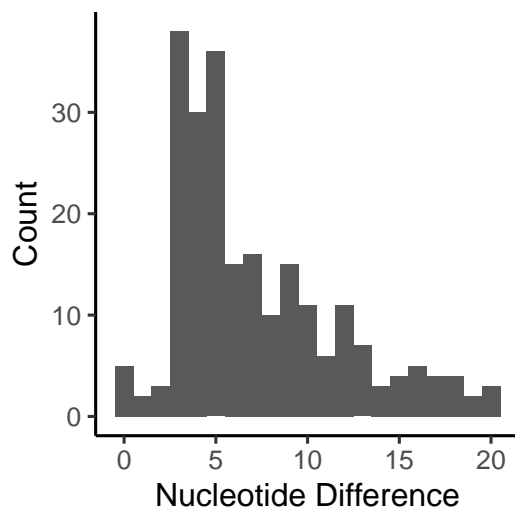
IGHV1-2*06

179 sequences assigned
7 (3.9%) exact matches, in which:
6 unique CDR3
4 unique J



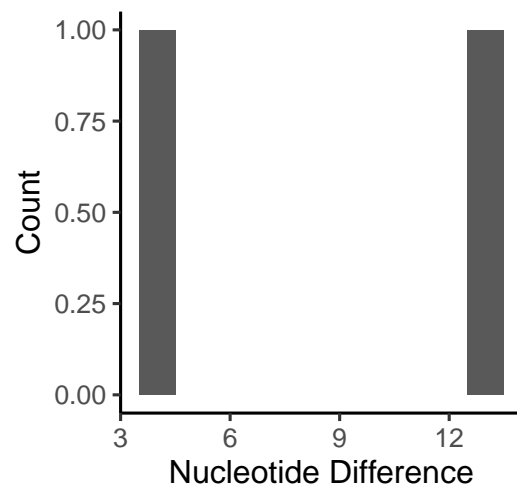
IGHV1-8*01

238 sequences assigned
5 (2.1%) exact matches, in which:
5 unique CDR3
4 unique J



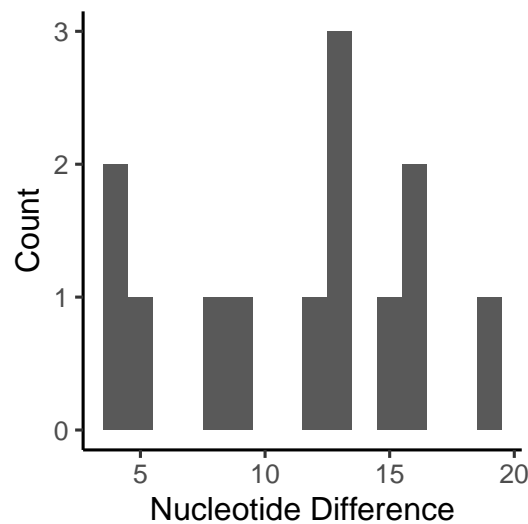
IGHV1-45*02

2 sequences assigned
No exact matches.



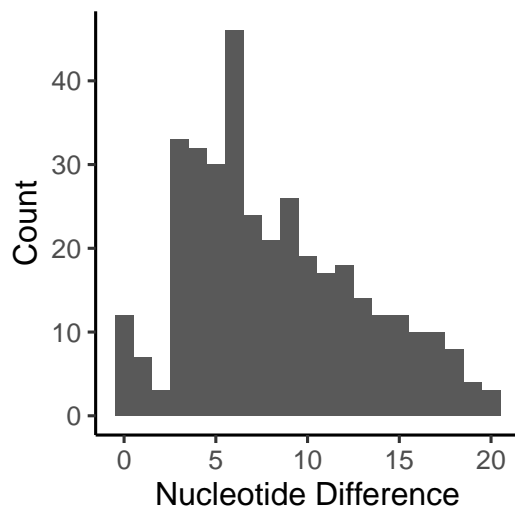
IGHV1-3*04

14 sequences assigned
No exact matches.



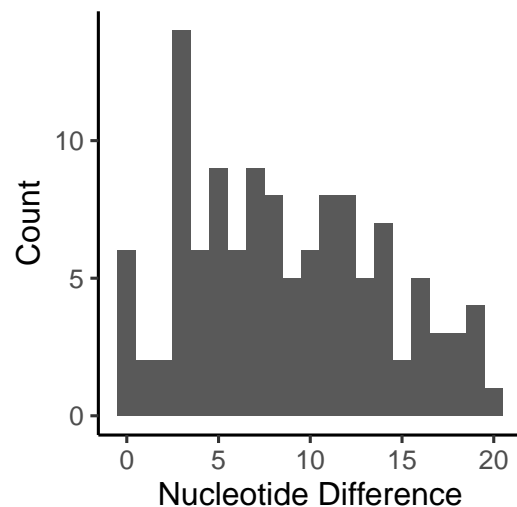
IGHV1-18*01

390 sequences assigned
12 (3.1%) exact matches, in which:
11 unique CDR3
4 unique J



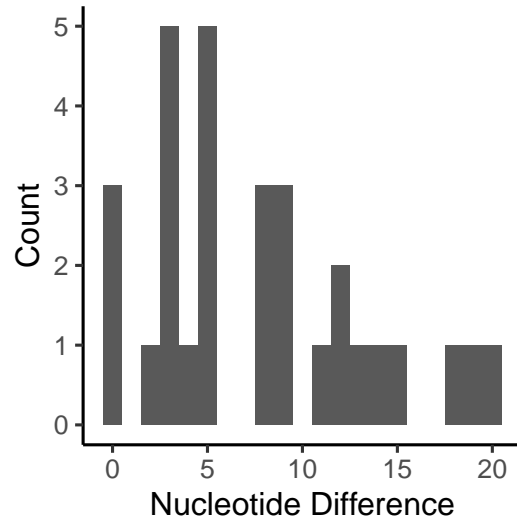
IGHV1-46*01

141 sequences assigned
6 (4.3%) exact matches, in which:
6 unique CDR3
2 unique J



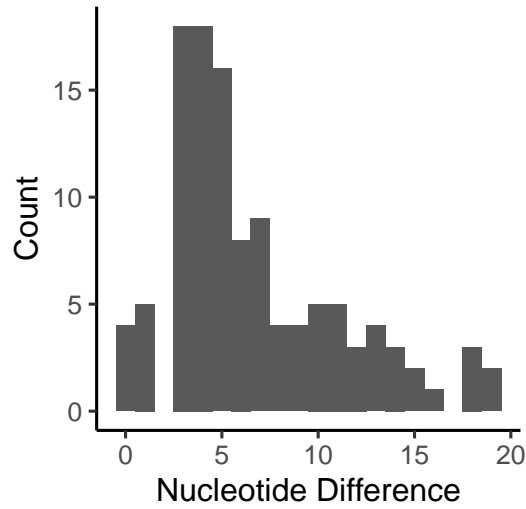
IGHV1-58*01_03

35 sequences assigned
3 (8.6%) exact matches, in which:
3 unique CDR3
2 unique J



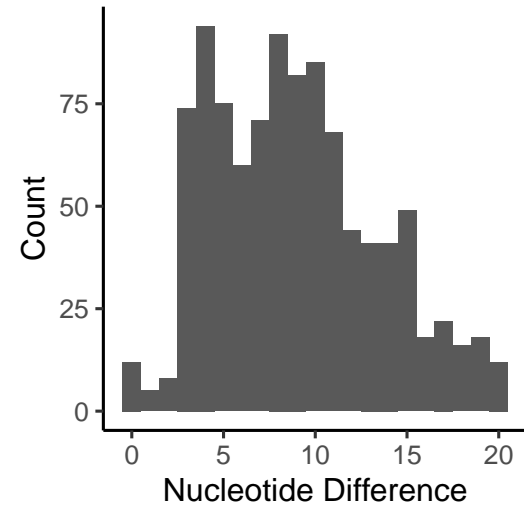
IGHV2-5*02

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



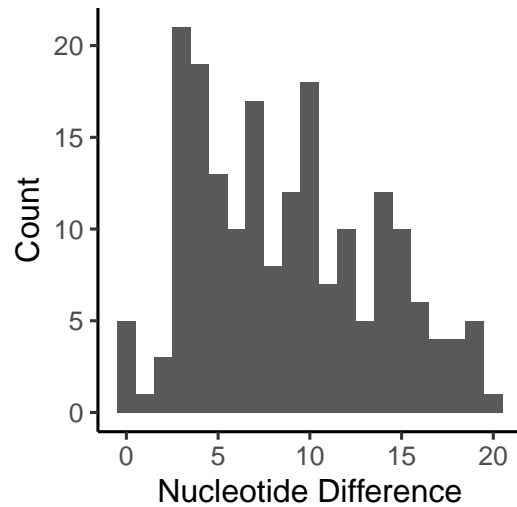
IGHV3-7*01

1033 sequences assigned
12 (1.2%) exact matches, in which:
7 unique CDR3
2 unique J



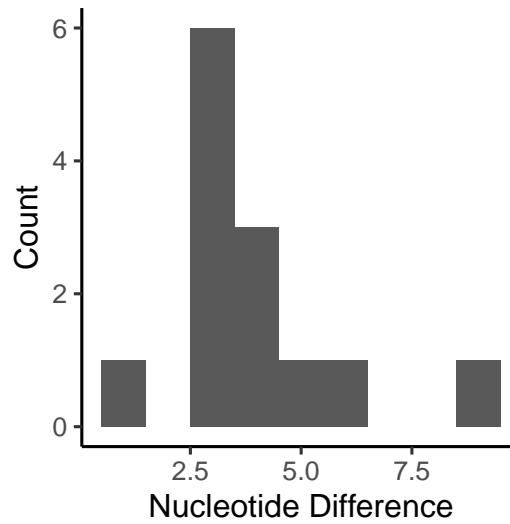
IGHV1-69*01_12_13

214 sequences assigned
5 (2.3%) exact matches, in which:
5 unique CDR3
3 unique J



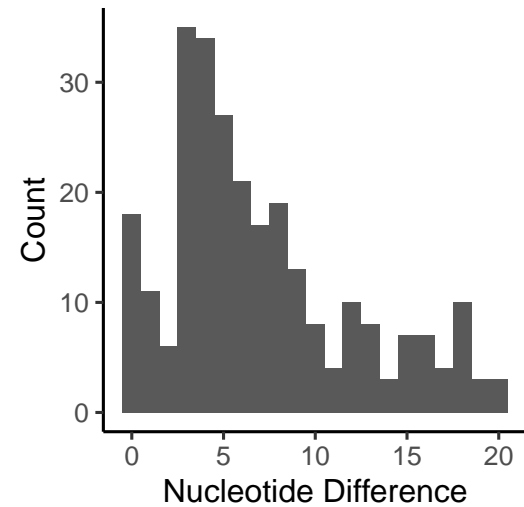
IGHV2-26*01

13 sequences assigned
No exact matches.



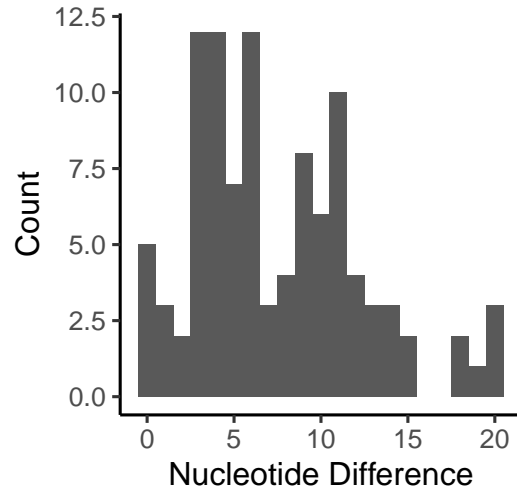
IGHV3-9*01

270 sequences assigned
18 (6.7%) exact matches, in which:
12 unique CDR3
4 unique J



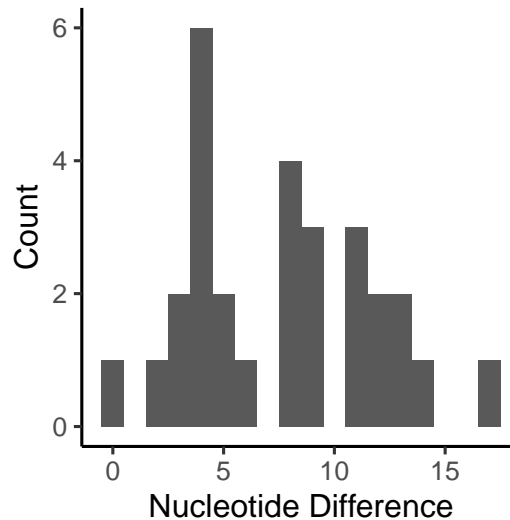
IGHV2-5*01

107 sequences assigned
5 (4.7%) exact matches, in which:
5 unique CDR3
3 unique J



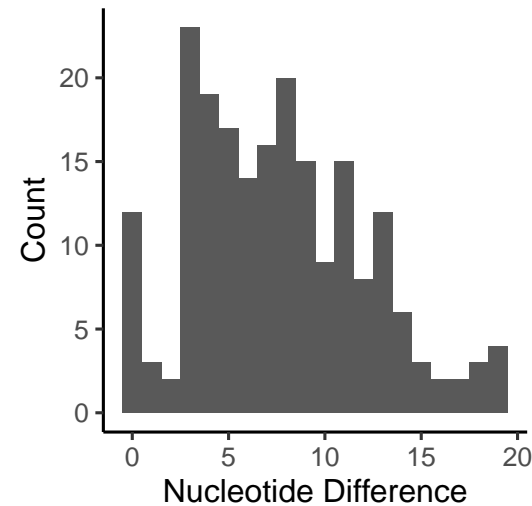
IGHV2-70*01

29 sequences assigned
1 (3.4%) exact matches, in which:
1 unique CDR3
1 unique J



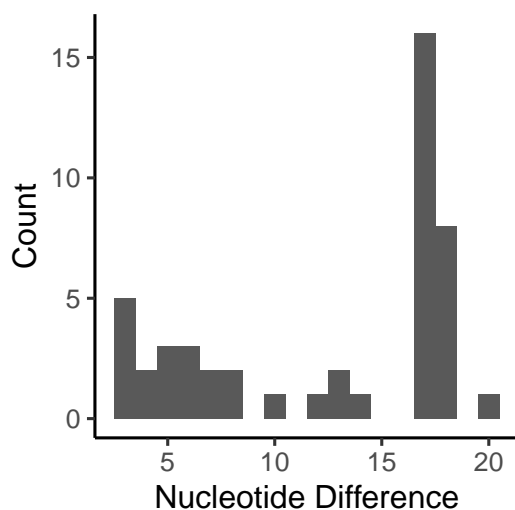
IGHV3-11*01

219 sequences assigned
12 (5.5%) exact matches, in which:
6 unique CDR3
3 unique J



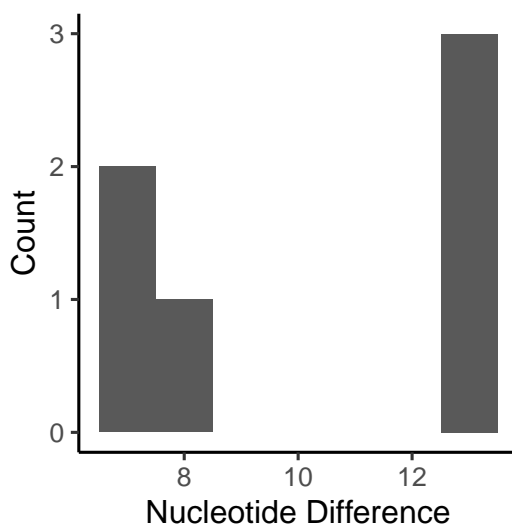
IGHV3-13*01

50 sequences assigned
No exact matches.



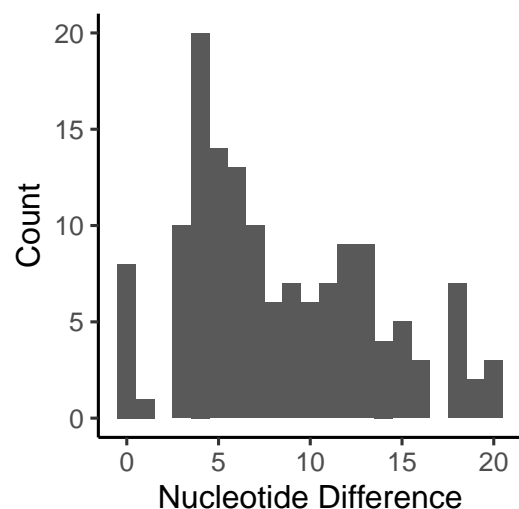
IGHV3-20*03_04

6 sequences assigned
No exact matches.



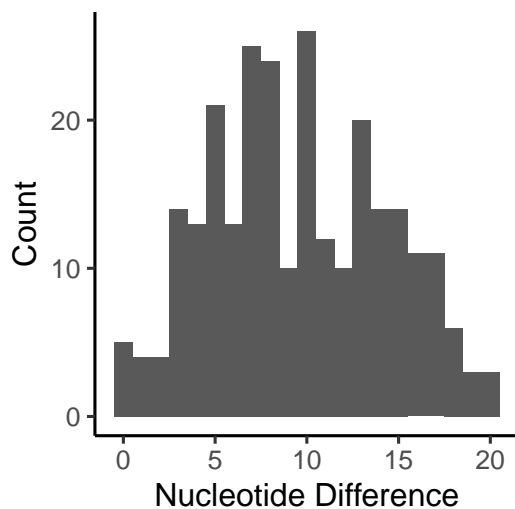
IGHV3-33*01

168 sequences assigned
8 (4.8%) exact matches, in which:
7 unique CDR3
2 unique J



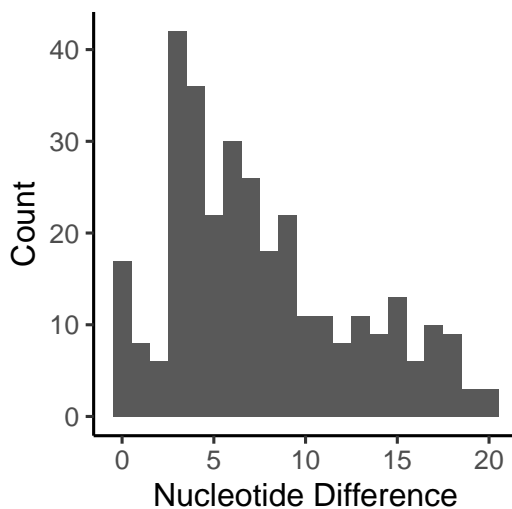
IGHV3-15*01_02

293 sequences assigned
5 (1.7%) exact matches, in which:
3 unique CDR3
2 unique J



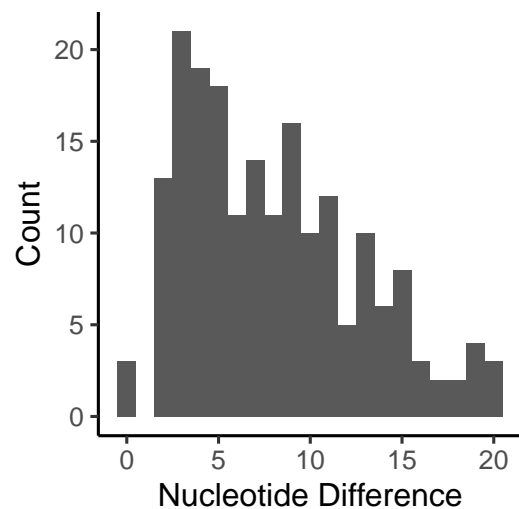
IGHV3-21*01_02

337 sequences assigned
17 (5%) exact matches, in which:
11 unique CDR3
4 unique J



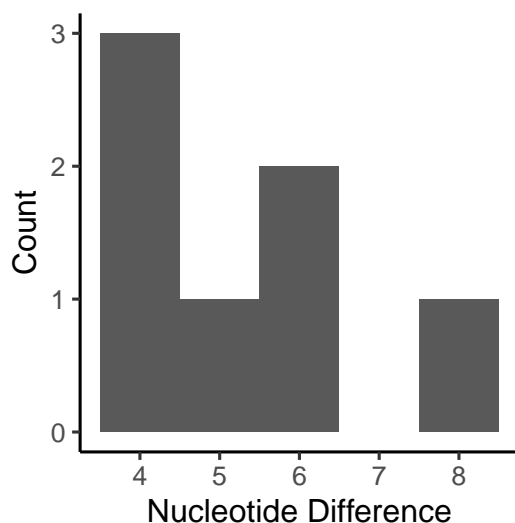
IGHV3-33*08

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



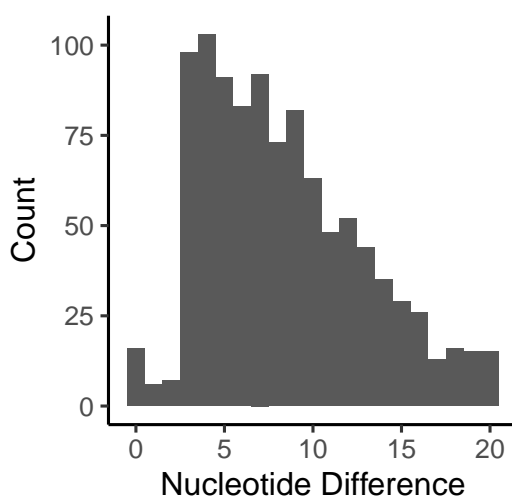
IGHV3-20*01_02

7 sequences assigned
No exact matches.



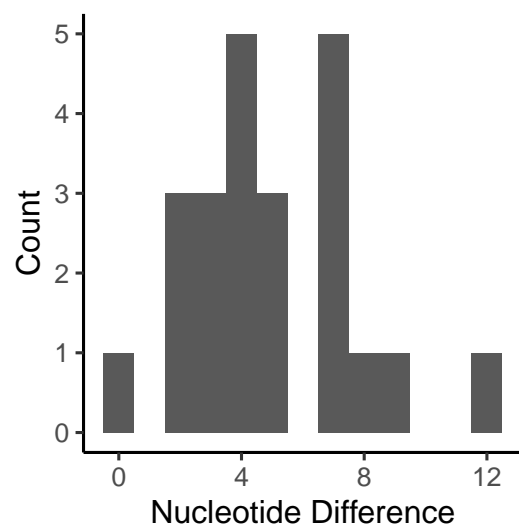
IGHV3-23*01_04

1100 sequences assigned
16 (1.5%) exact matches, in which:
10 unique CDR3
4 unique J



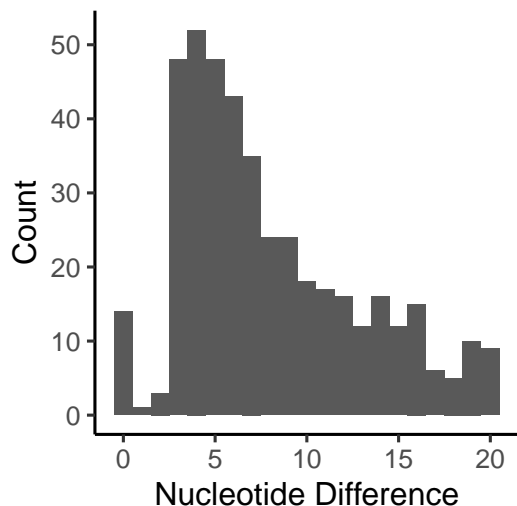
IGHV3-43*01

24 sequences assigned
1 (4.2%) exact matches, in which:
1 unique CDR3
1 unique J



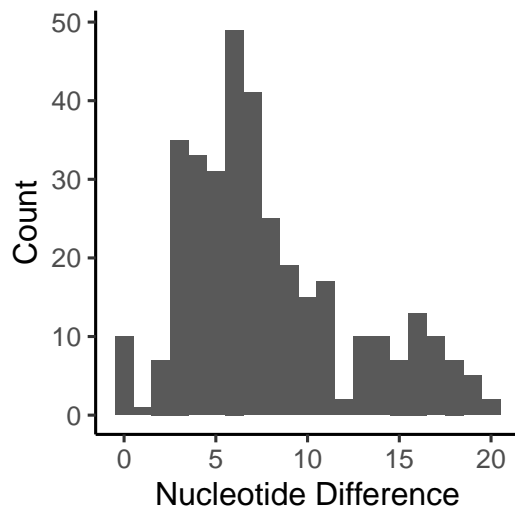
IGHV3-48*02

445 sequences assigned
14 (3.1%) exact matches, in which:
7 unique CDR3
3 unique J



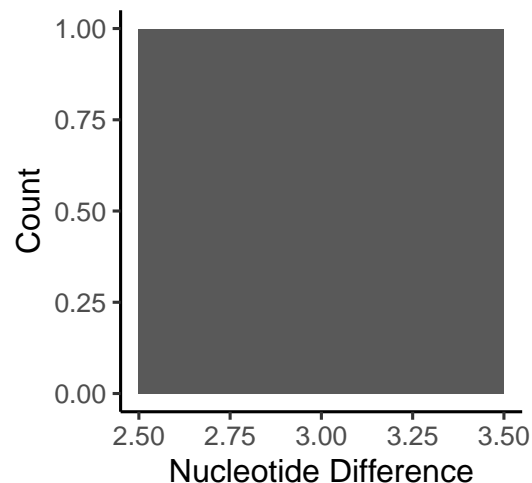
IGHV3-53*01_02

363 sequences assigned
10 (2.8%) exact matches, in which:
6 unique CDR3
3 unique J



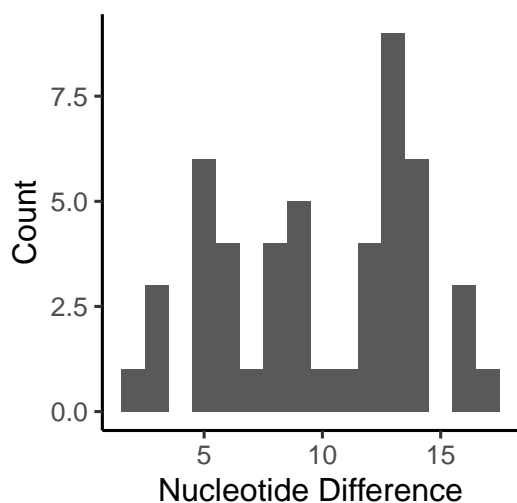
IGHV3-66*03

1 sequences assigned
No exact matches.



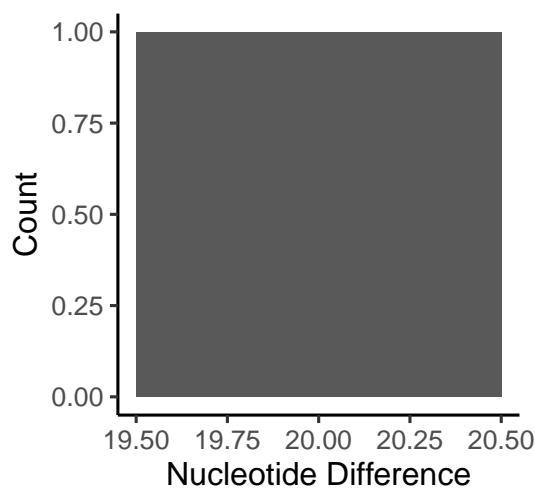
IGHV3-49*03_05

53 sequences assigned
No exact matches.



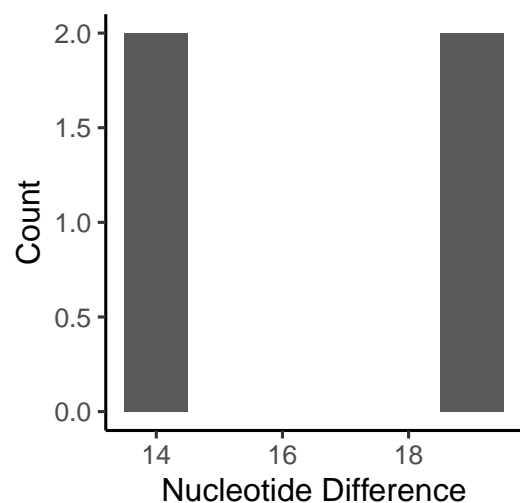
IGHV3-64*01

1 sequences assigned
No exact matches.



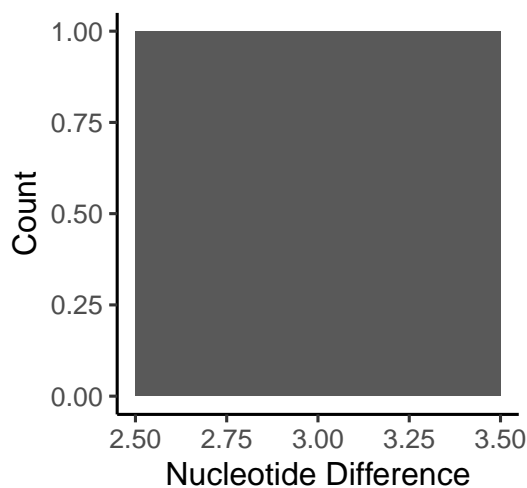
IGHV3-66*04

7 sequences assigned
No exact matches.



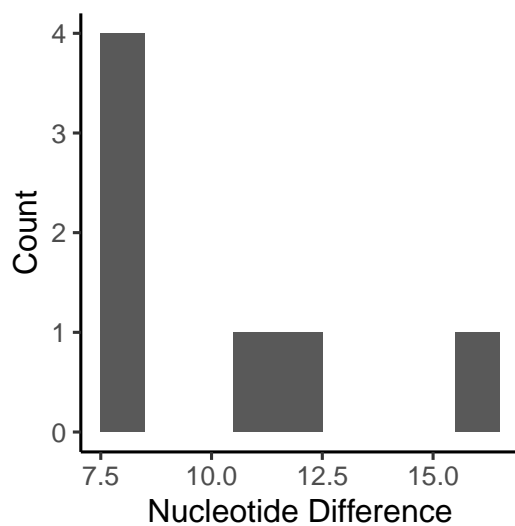
IGHV3-52*01_03

1 sequences assigned
No exact matches.



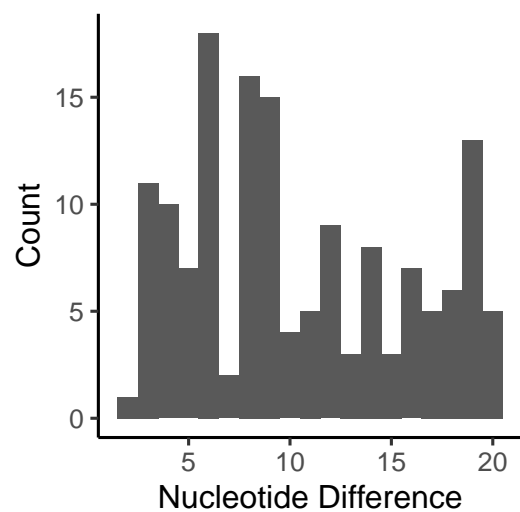
IGHV3-64*02_07

8 sequences assigned
No exact matches.



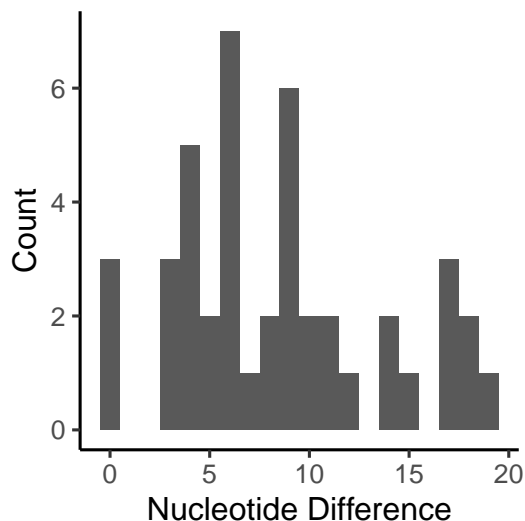
IGHV3-72*01

157 sequences assigned
No exact matches.



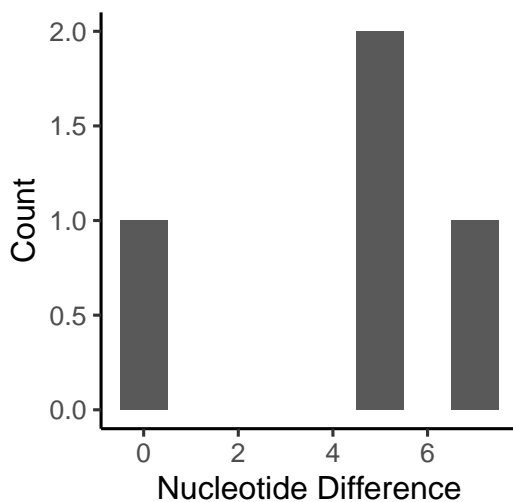
IGHV3-73*01_02

45 sequences assigned
3 (6.7%) exact matches, in which:
2 unique CDR3
2 unique J



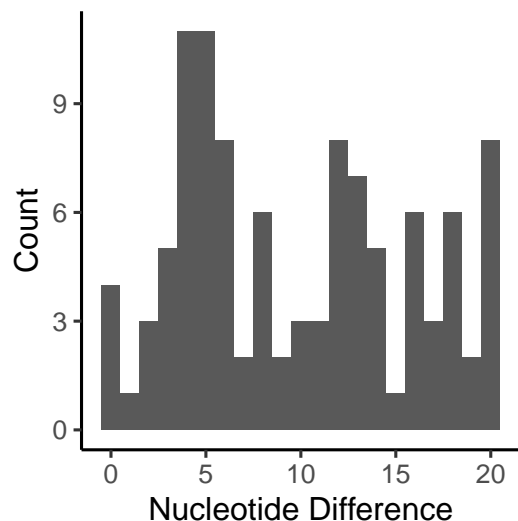
IGHV3-64D*06

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



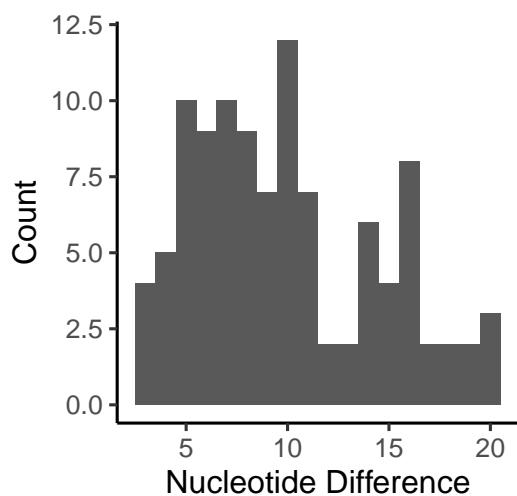
IGHV4-4*02_03

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



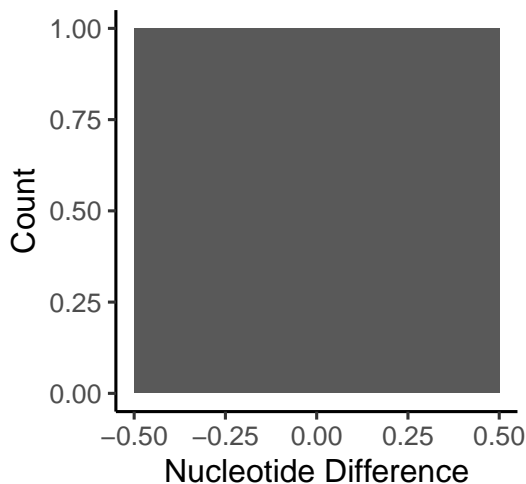
IGHV3-74*03

122 sequences assigned
No exact matches.



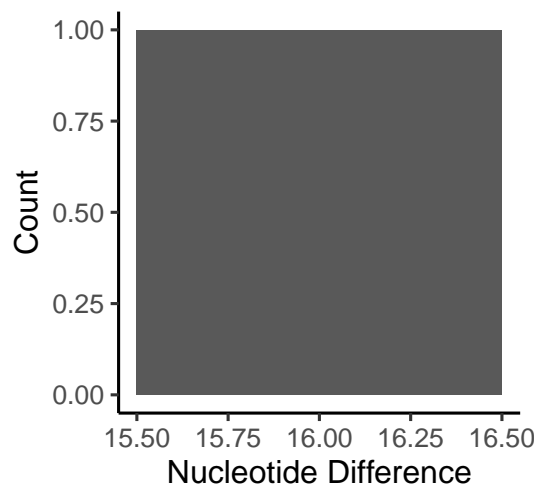
IGHV3-64D*08

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



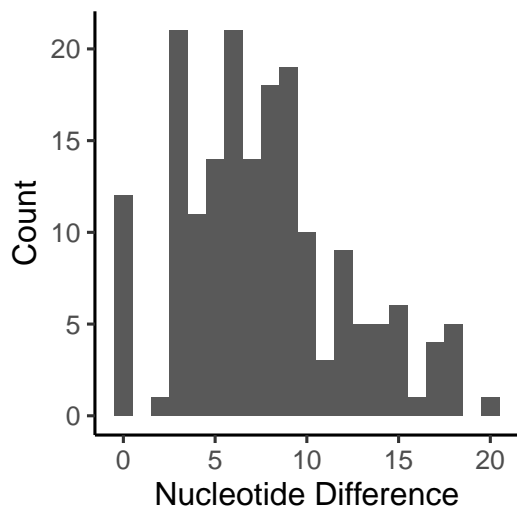
IGHV4-30-2*01

1 sequences assigned
No exact matches.



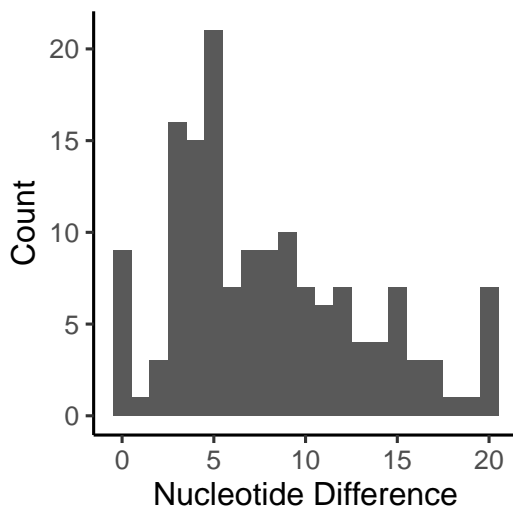
IGHV3-74*01_02

183 sequences assigned
12 (6.6%) exact matches, in which:
6 unique CDR3
3 unique J



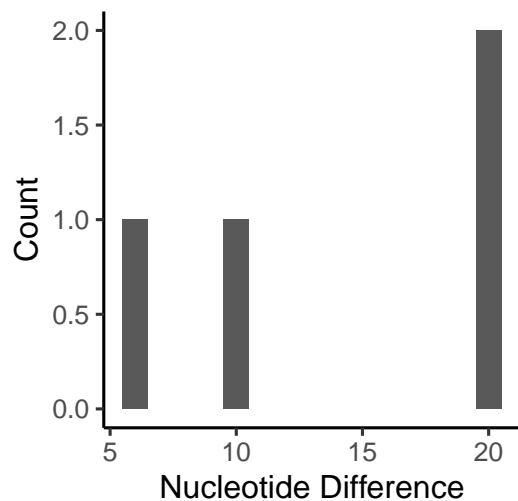
IGHV4-4*07

158 sequences assigned
9 (5.7%) exact matches, in which:
3 unique CDR3
2 unique J



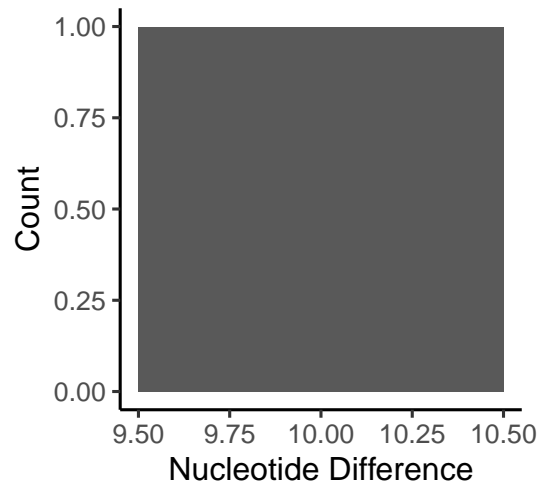
IGHV4-31*02

4 sequences assigned
No exact matches.



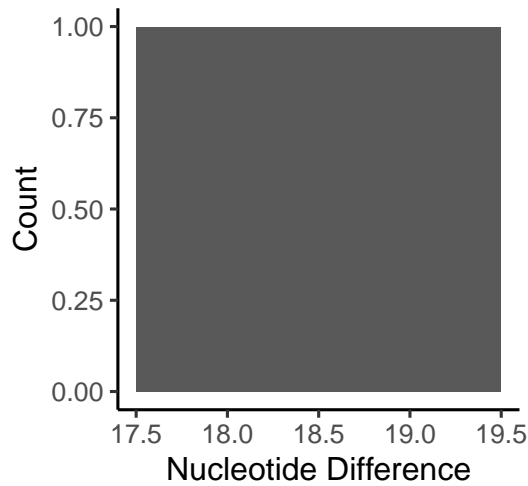
IGHV4-31*03_04

2 sequences assigned
No exact matches.



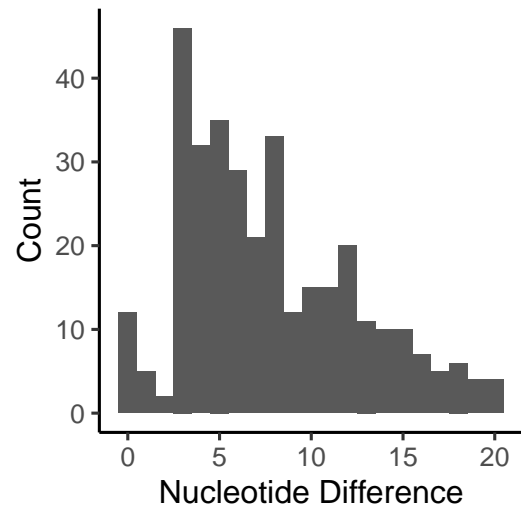
IGHV4-38-2*02

2 sequences assigned
No exact matches.



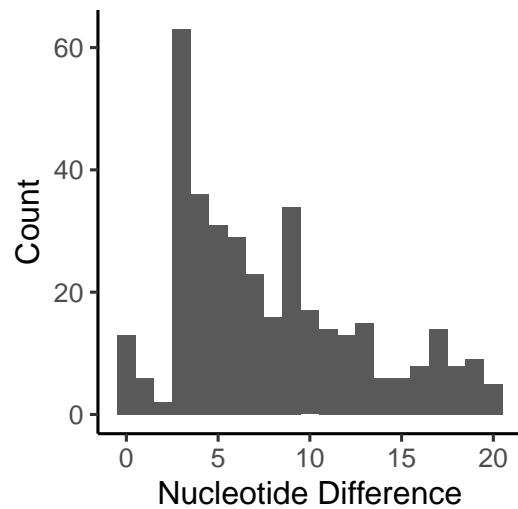
IGHV4-59*01_07

348 sequences assigned
12 (3.4%) exact matches, in which:
7 unique CDR3
5 unique J



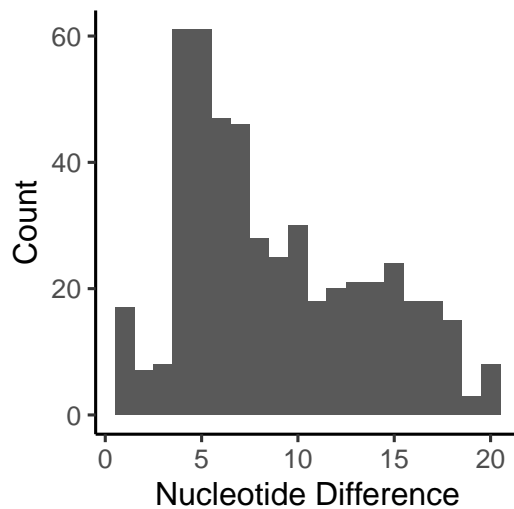
IGHV4-34*01_02

416 sequences assigned
13 (3.1%) exact matches, in which:
8 unique CDR3
2 unique J



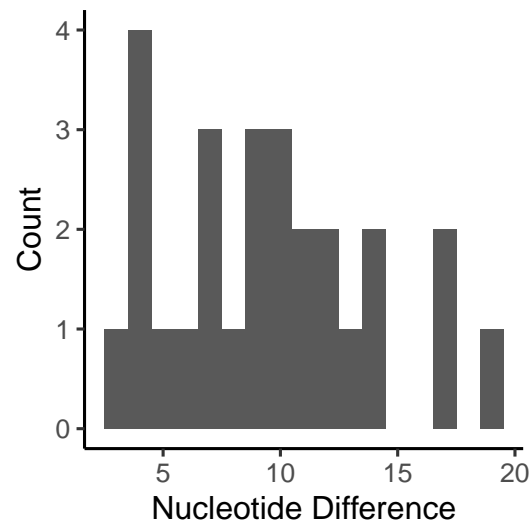
IGHV4-39*02

558 sequences assigned
No exact matches.



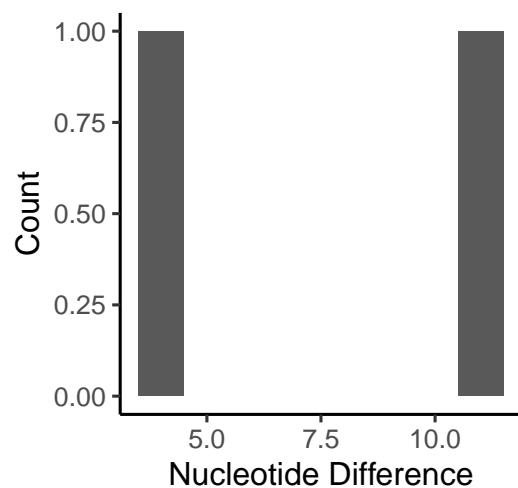
IGHV4-59*11

28 sequences assigned
No exact matches.



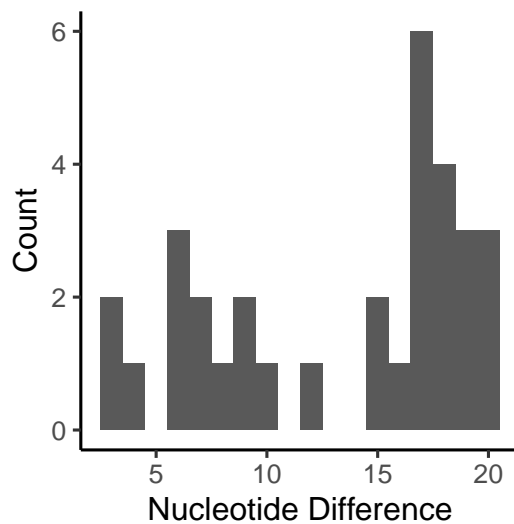
IGHV4-38-2*01

2 sequences assigned
No exact matches.



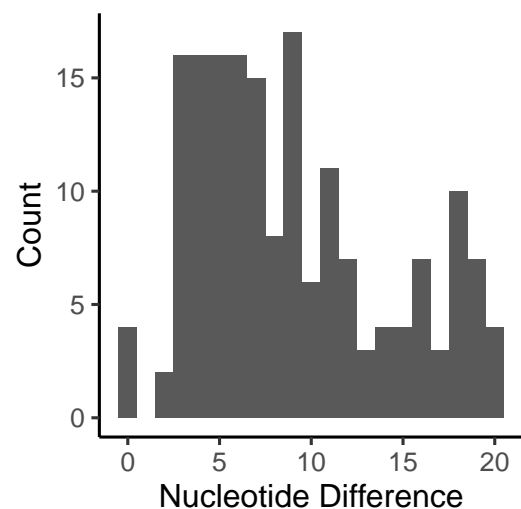
IGHV4-59*02

36 sequences assigned
No exact matches.



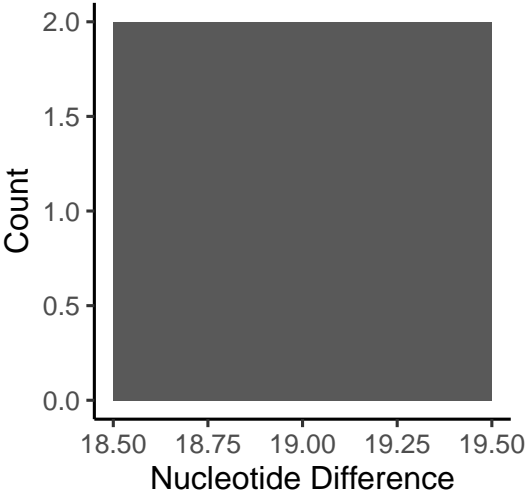
IGHV4-61*01

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



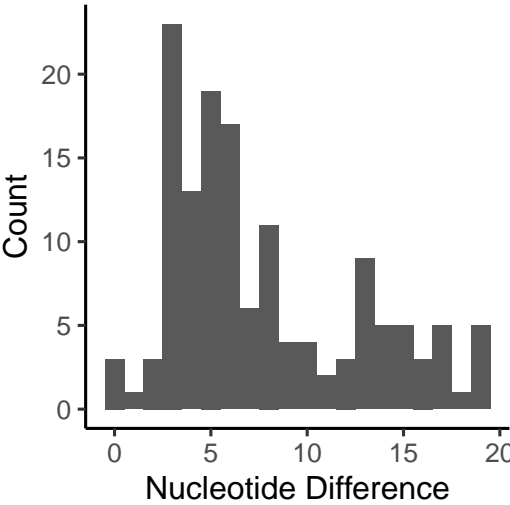
IGHV4/OR15-8*02

2 sequences assigned
No exact matches.



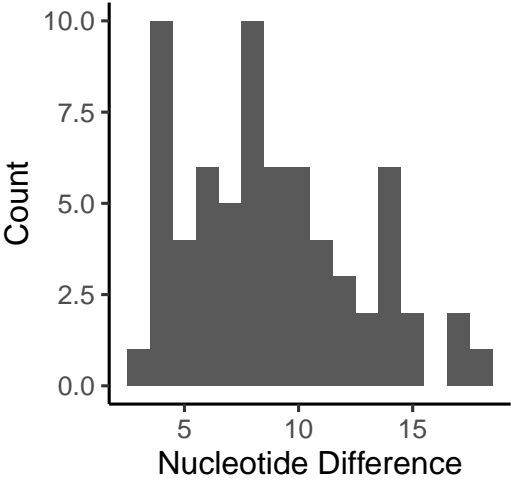
IGHV6-1*01_02

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



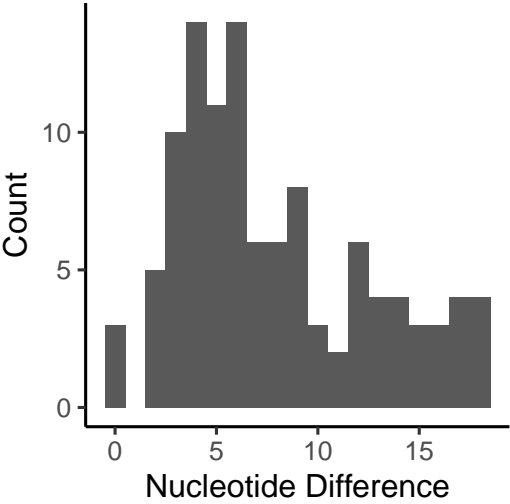
IGHV5-51*07

70 sequences assigned
No exact matches.



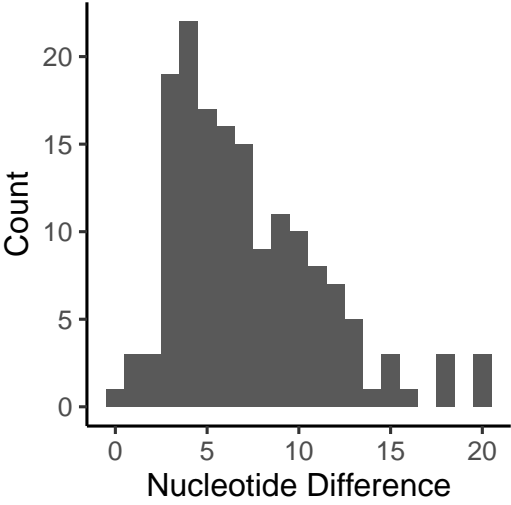
IGHV7-4-1*02

112 sequences assigned
3 (2.7%) exact matches, in which:
3 unique CDR3
2 unique J



IGHV5-51*01_03

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





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