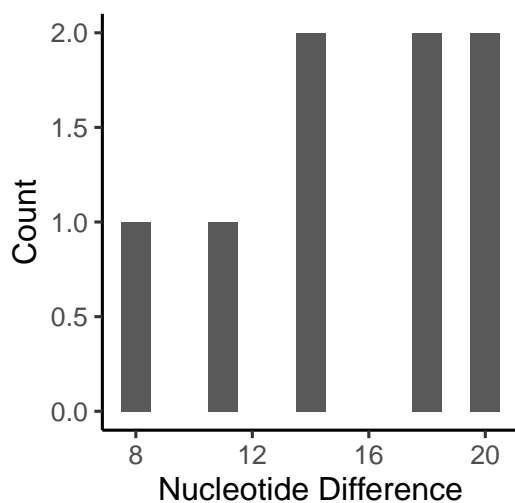


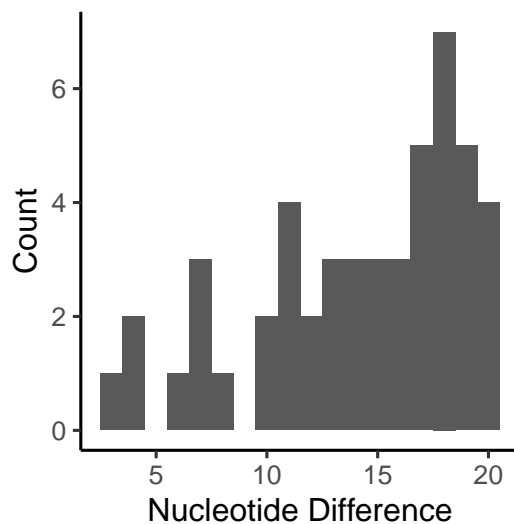
IGHV1-2*02

18 sequences assigned
No exact matches.



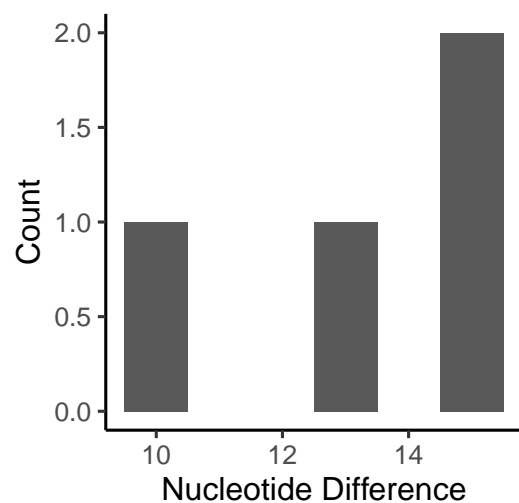
IGHV1-3*01_05

81 sequences assigned
No exact matches.



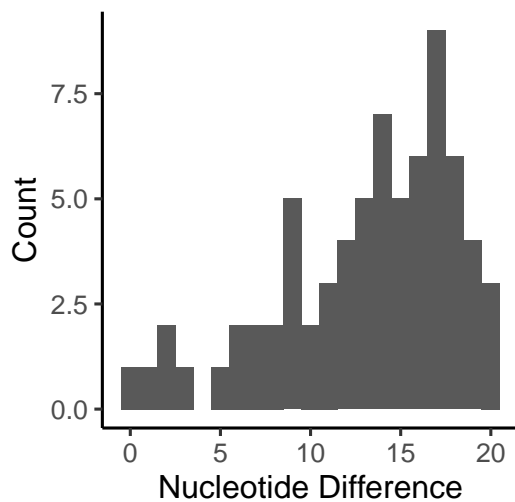
IGHV1-45*02

9 sequences assigned
No exact matches.



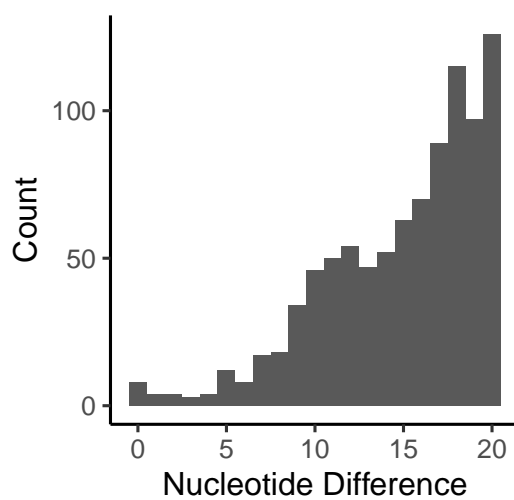
IGHV1-2*04

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



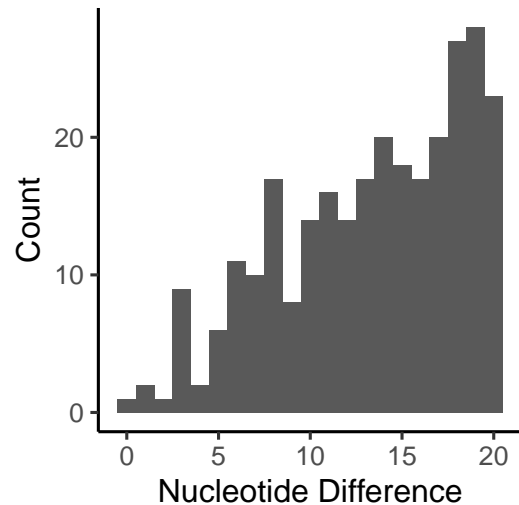
IGHV1-18*01

1615 sequences assigned
8 (0.5%) exact matches, in which:
7 unique CDR3
2 unique J



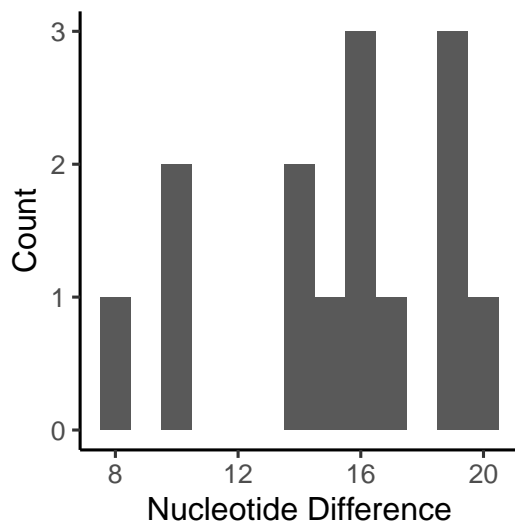
IGHV1-46*01

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



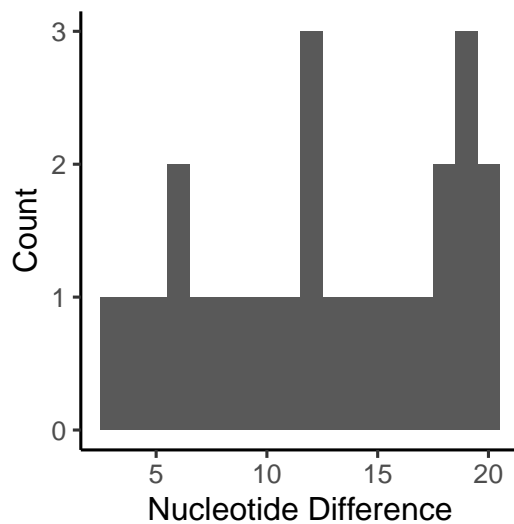
IGHV1-3*04

29 sequences assigned
No exact matches.



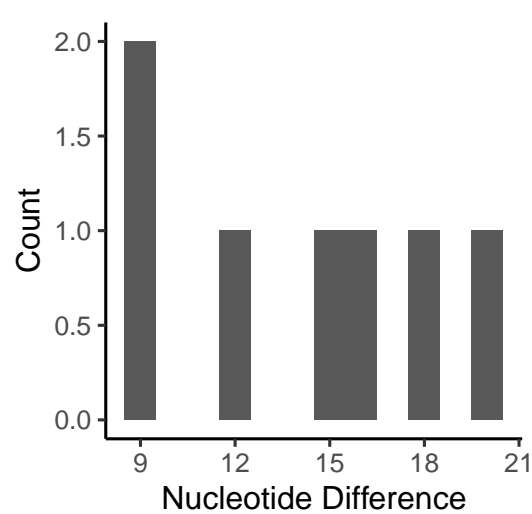
IGHV1-24*01

36 sequences assigned
No exact matches.



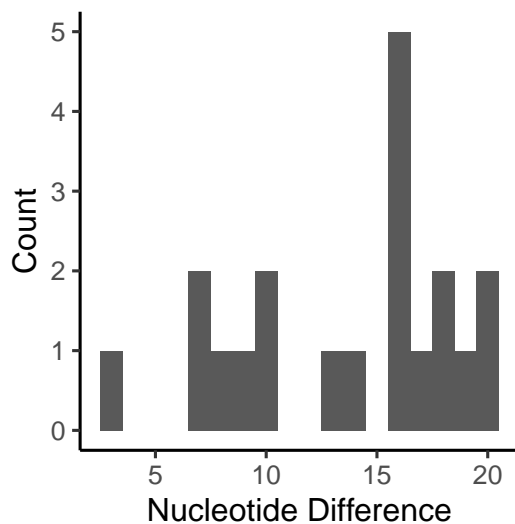
IGHV1-58*02

14 sequences assigned
No exact matches.



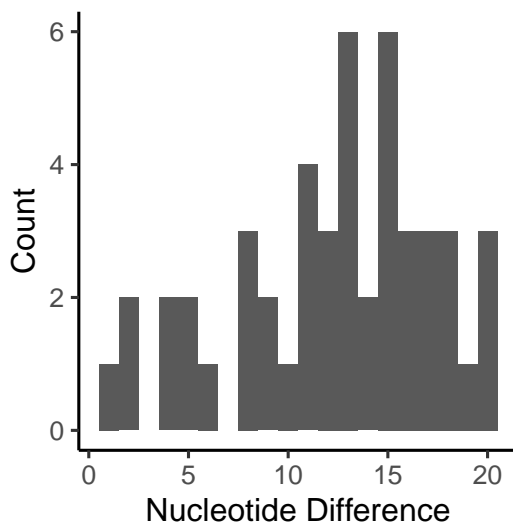
IGHV1-58*01_03

25 sequences assigned
No exact matches.



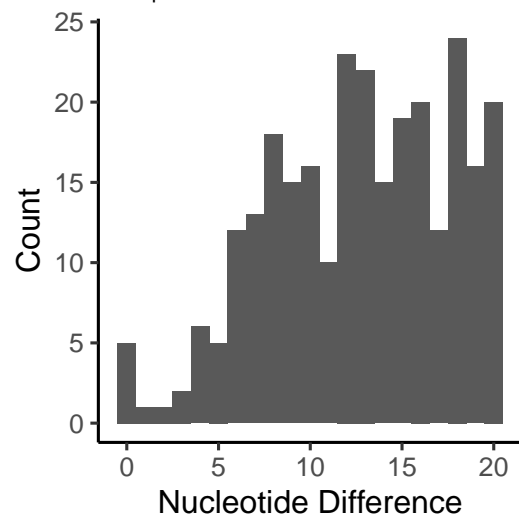
IGHV2-70*11_15

59 sequences assigned
No exact matches.



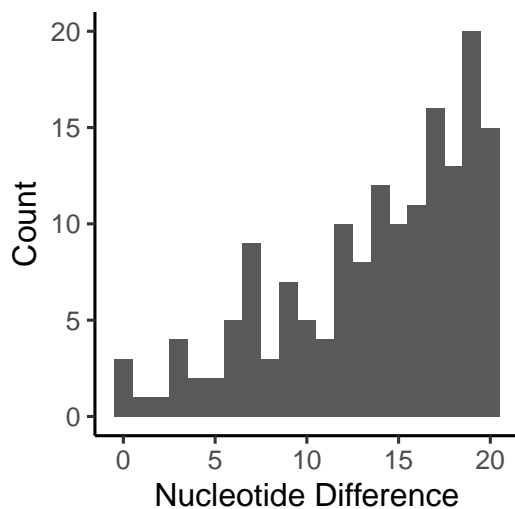
IGHV3-7*04

448 sequences assigned
5 (1.1%) exact matches, in which:
4 unique CDR3
2 unique J



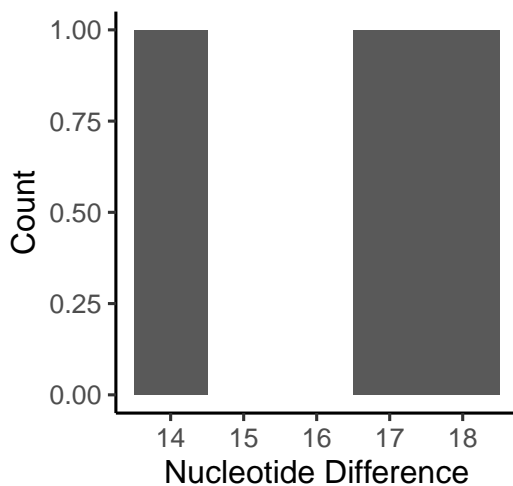
IGHV1-69*04_09

397 sequences assigned
3 (0.8%) exact matches, in which:
3 unique CDR3
2 unique J



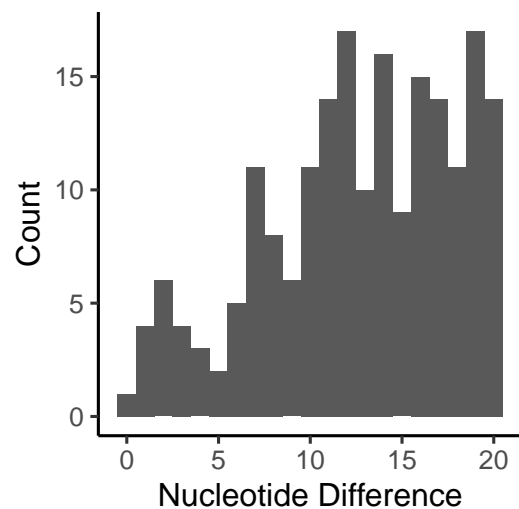
IGHV2-70D*04

5 sequences assigned
No exact matches.



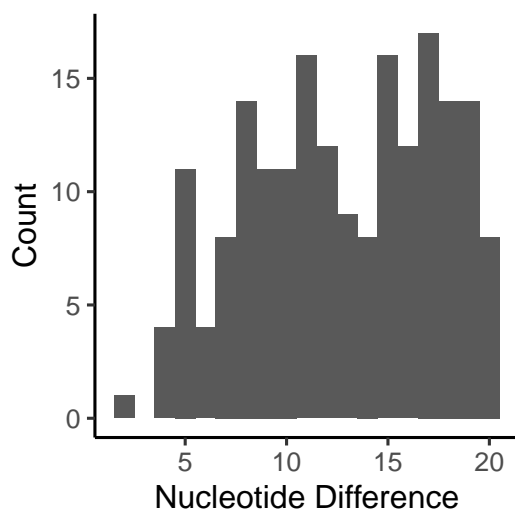
IGHV3-11*06

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



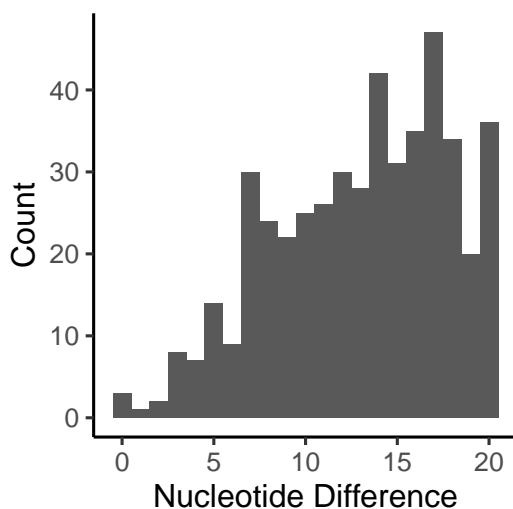
IGHV2-5*02

247 sequences assigned
No exact matches.



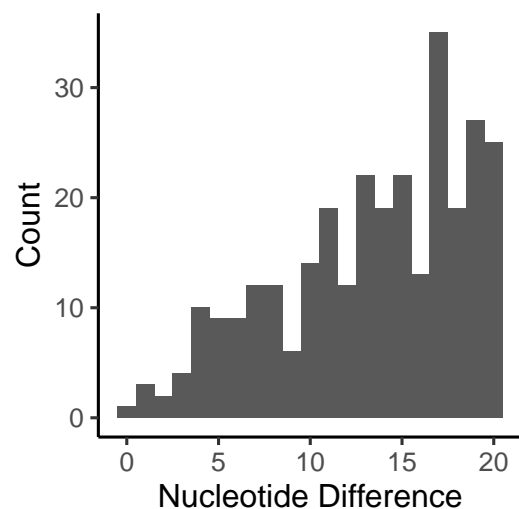
IGHV3-7*03

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



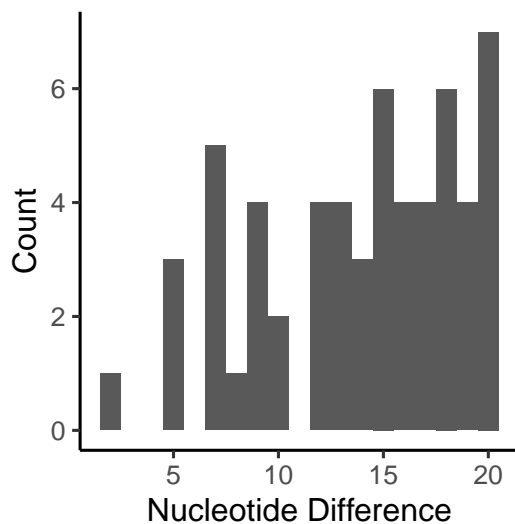
IGHV3-11*03_05

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



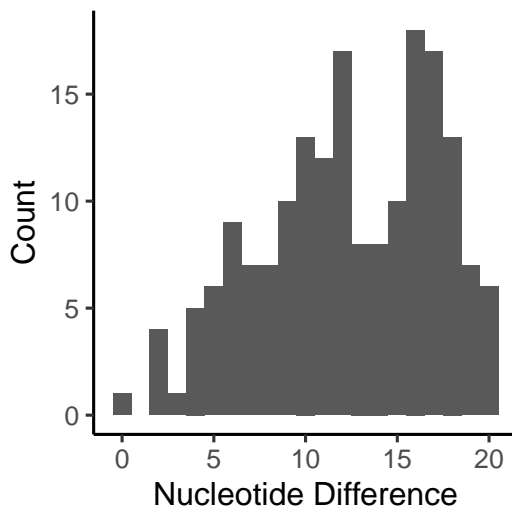
IGHV3-13*01

101 sequences assigned
No exact matches.



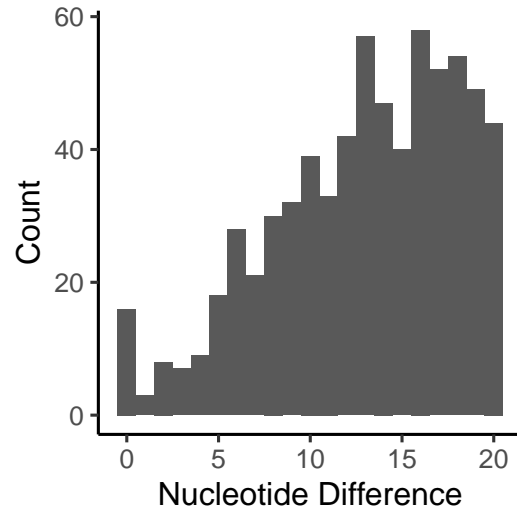
IGHV3-15*01_02

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



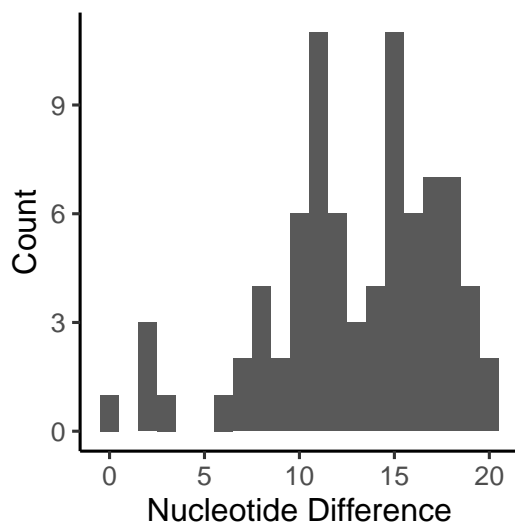
IGHV3-21*01_02

1011 sequences assigned
16 (1.6%) exact matches, in which:
15 unique CDR3
4 unique J



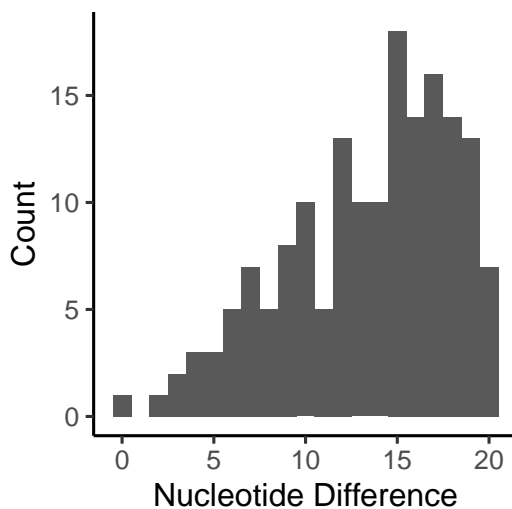
IGHV3-13*04

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



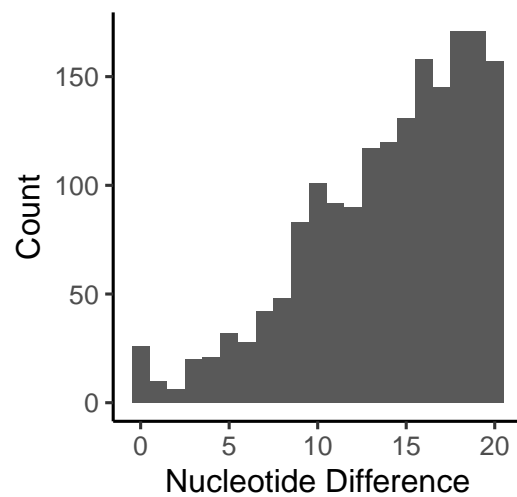
IGHV3-20*03_04

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



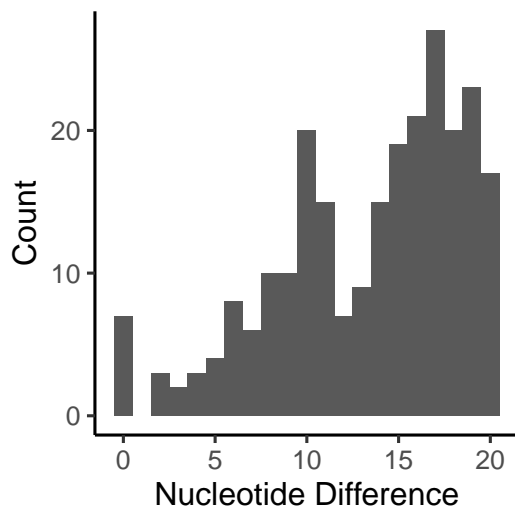
IGHV3-23*01_04

3332 sequences assigned
26 (0.8%) exact matches, in which:
24 unique CDR3
3 unique J



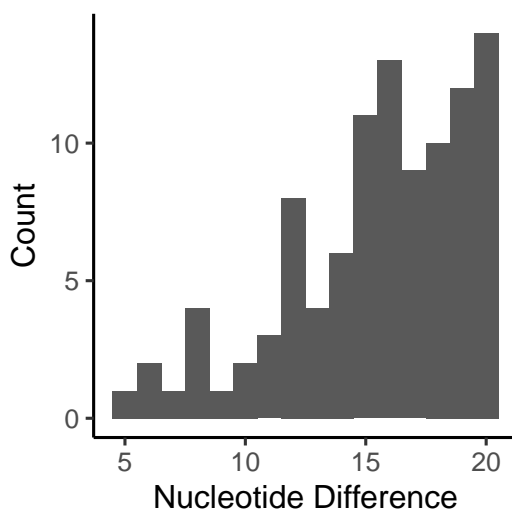
IGHV3-15*07

389 sequences assigned
7 (1.8%) exact matches, in which:
7 unique CDR3
3 unique J



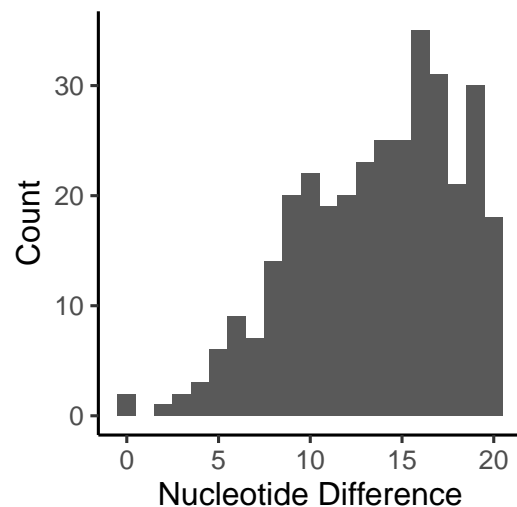
IGHV3-21*06

234 sequences assigned
No exact matches.



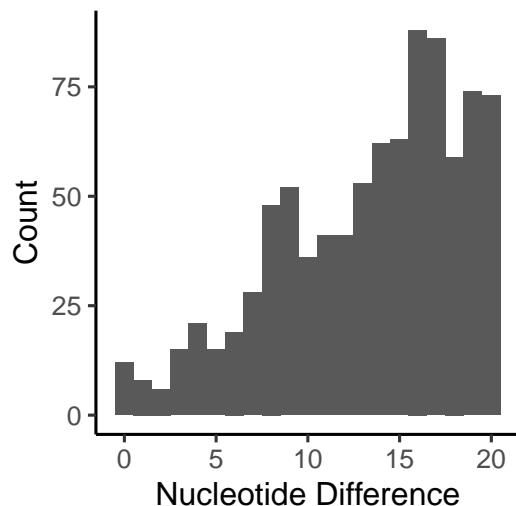
IGHV3-30-3*01

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



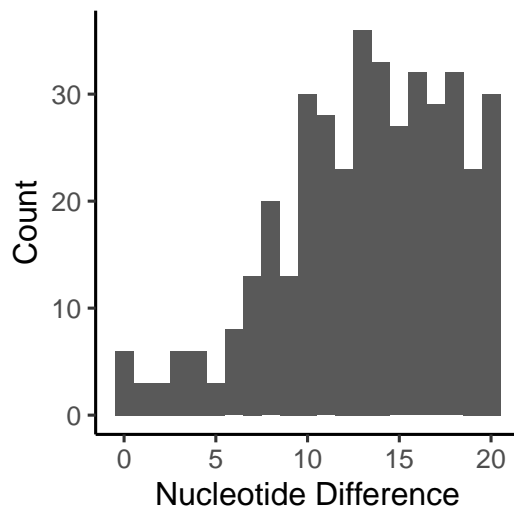
IGHV3-33*01

1448 sequences assigned
12 (0.8%) exact matches, in which:
7 unique CDR3
2 unique J



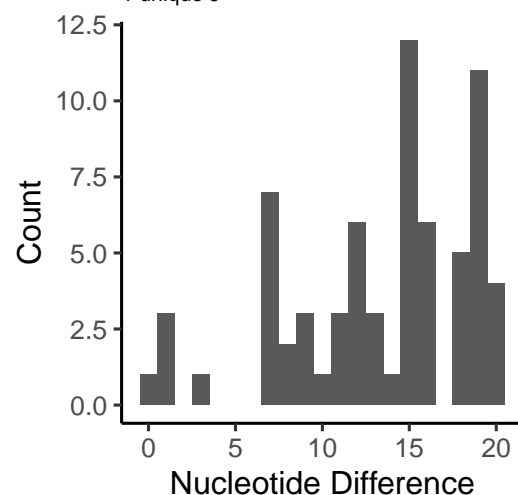
IGHV3-48*03

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



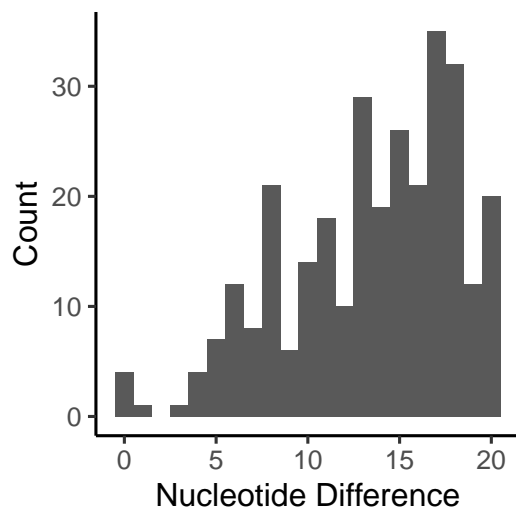
IGHV3-53*04

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



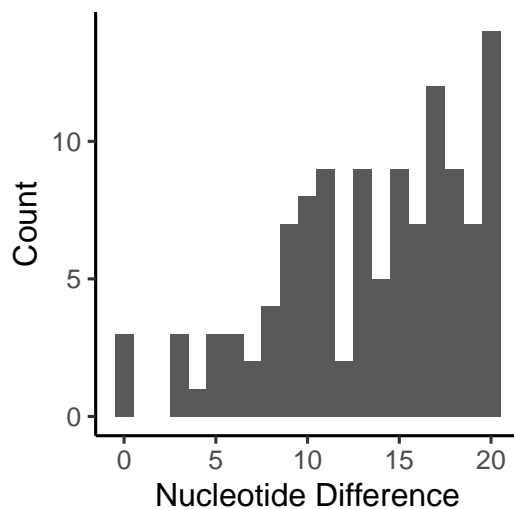
IGHV3-43*02

486 sequences assigned
4 (0.8%) exact matches, in which:
4 unique CDR3
2 unique J



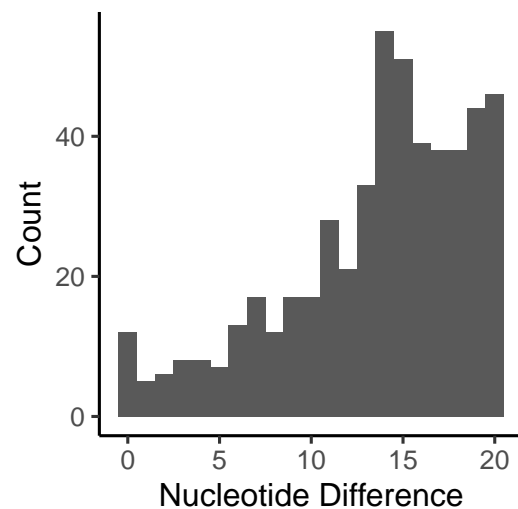
IGHV3-49*04

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



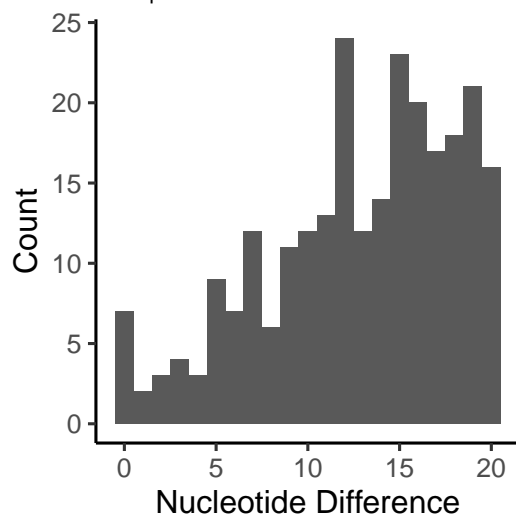
IGHV3-53*01_02

815 sequences assigned
12 (1.5%) exact matches, in which:
10 unique CDR3
2 unique J



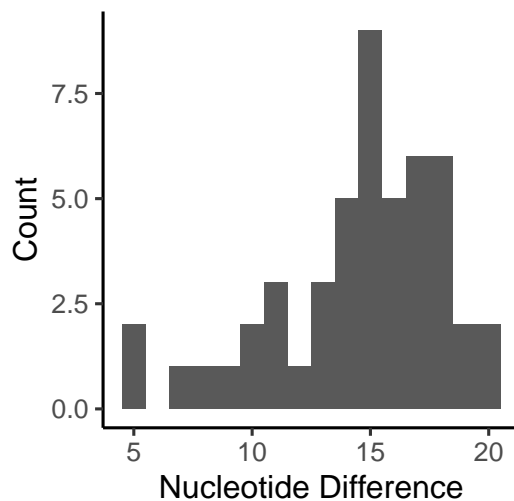
IGHV3-48*02

403 sequences assigned
7 (1.7%) exact matches, in which:
6 unique CDR3
2 unique J



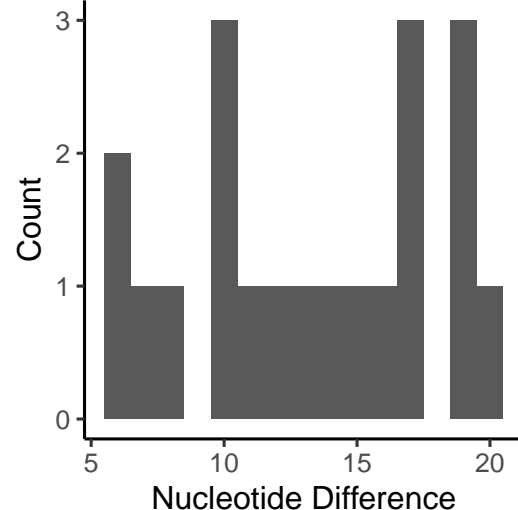
IGHV3-49*03_05

89 sequences assigned
No exact matches.



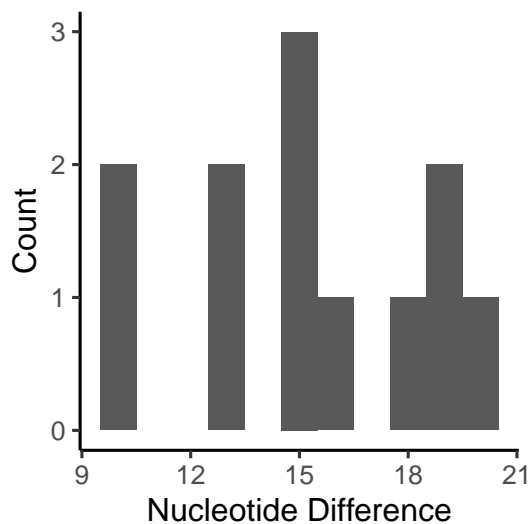
IGHV3-64*01

48 sequences assigned
No exact matches.



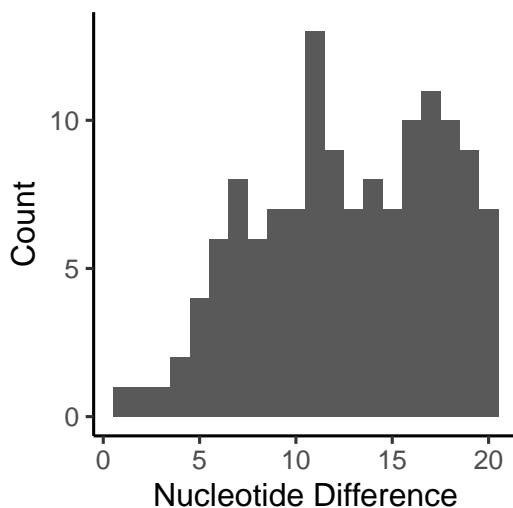
IGHV3-64*02_07

24 sequences assigned
No exact matches.



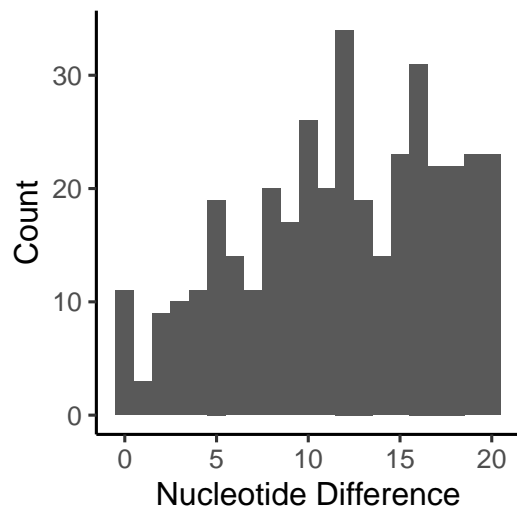
IGHV3-72*01

178 sequences assigned
No exact matches.



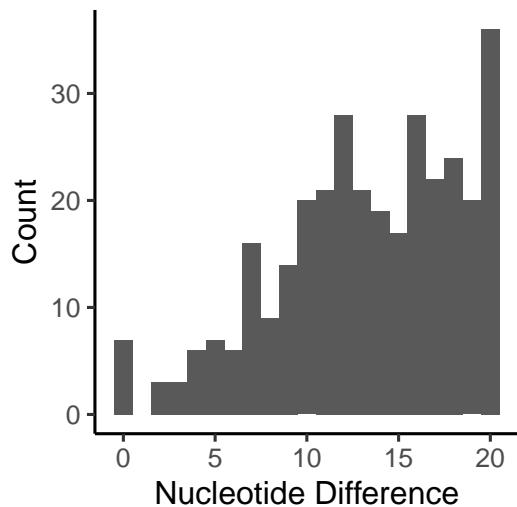
IGHV3-74*01_02

527 sequences assigned
11 (2.1%) exact matches, in which:
11 unique CDR3
4 unique J



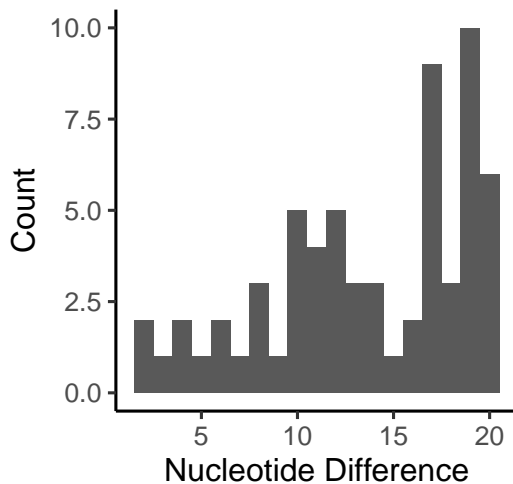
IGHV3-66*01

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



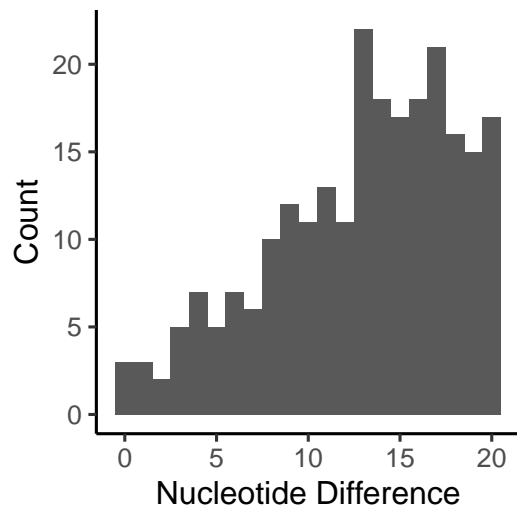
IGHV3-73*01_02

99 sequences assigned
No exact matches.



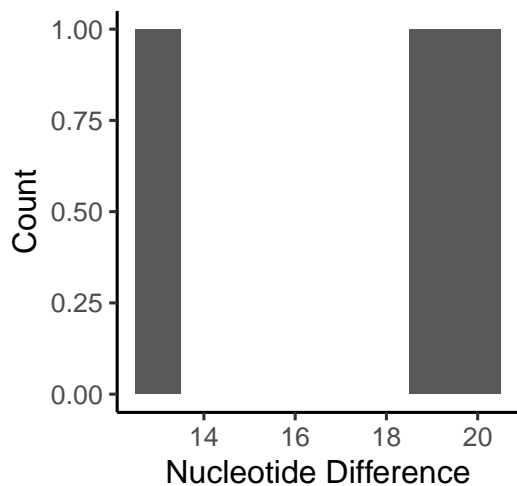
IGHV3-64D*06

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



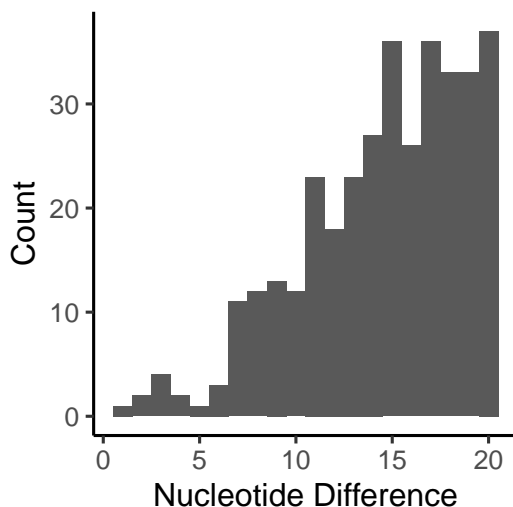
IGHV3-69-1*02

27 sequences assigned
No exact matches.



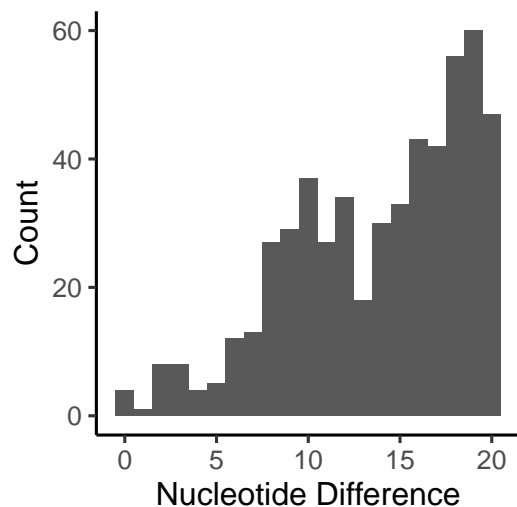
IGHV3-74*03

579 sequences assigned
No exact matches.



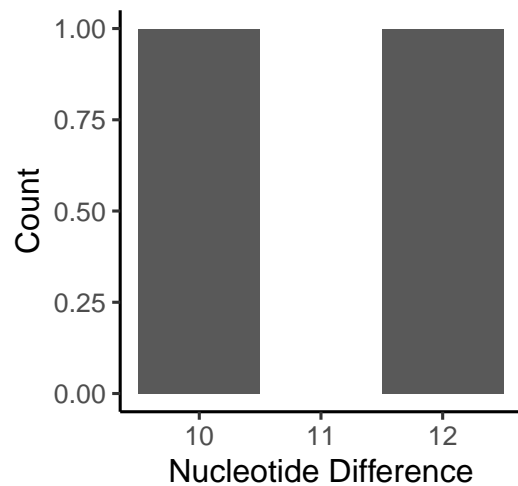
IGHV4-4*02_03

1077 sequences assigned
4 (0.4%) exact matches, in which:
4 unique CDR3
2 unique J



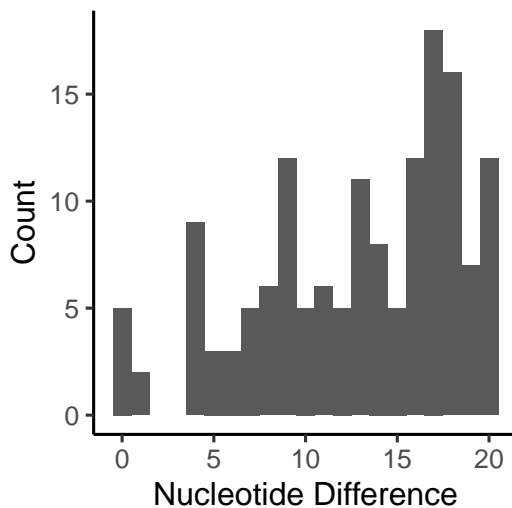
IGHV4-28*03

3 sequences assigned
No exact matches.



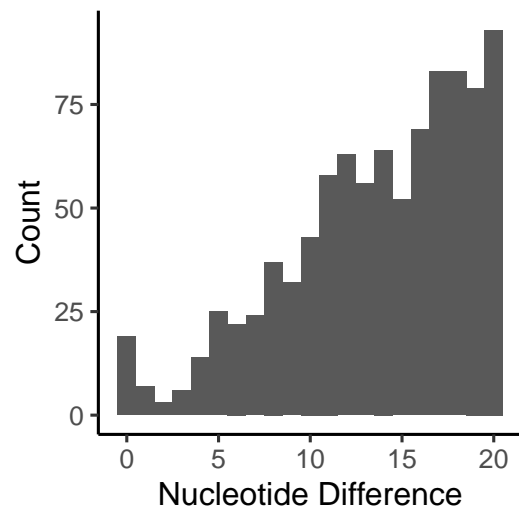
IGHV4-30-2*01

221 sequences assigned
5 (2.3%) exact matches, in which:
4 unique CDR3
2 unique J



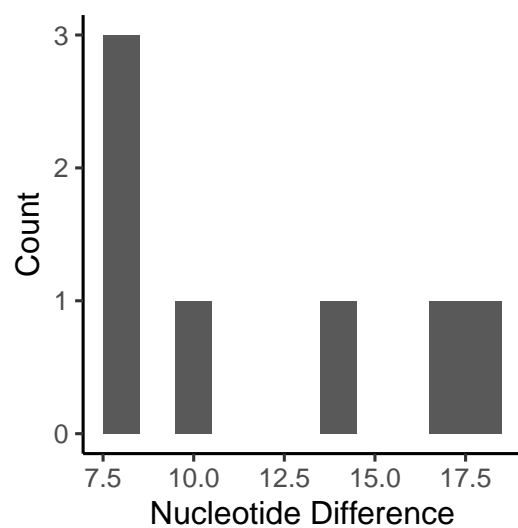
IGHV4-31*02

1992 sequences assigned
19 (1%) exact matches, in which:
13 unique CDR3
3 unique J



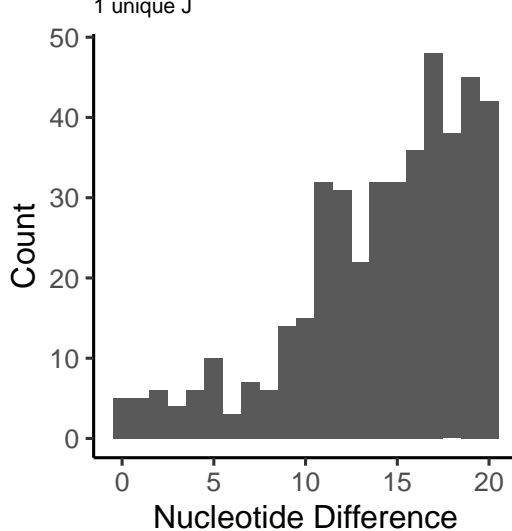
IGHV4-28*01_07

12 sequences assigned
No exact matches.



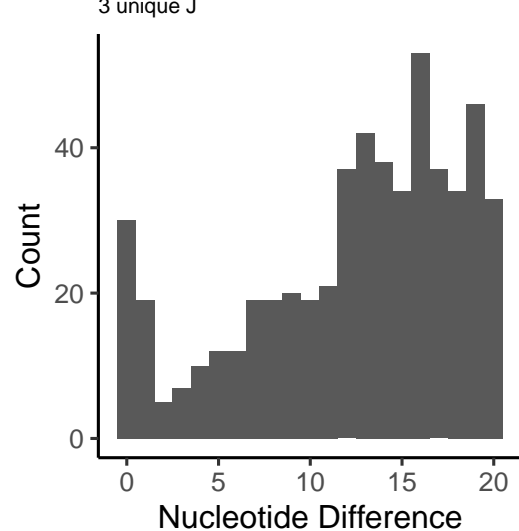
IGHV4-30-4*01

802 sequences assigned
5 (0.6%) exact matches, in which:
5 unique CDR3
1 unique J



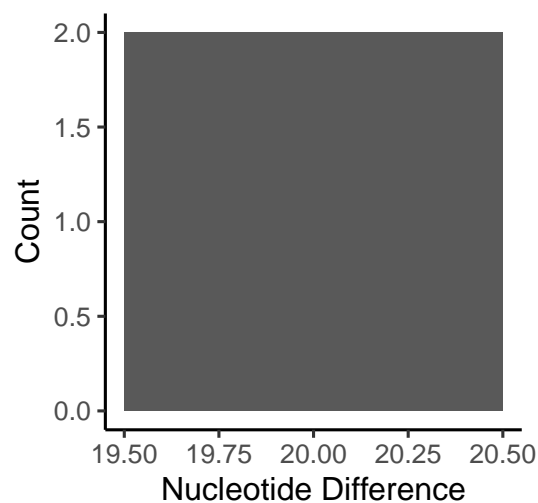
IGHV4-34*01_02

1088 sequences assigned
30 (2.8%) exact matches, in which:
21 unique CDR3
3 unique J



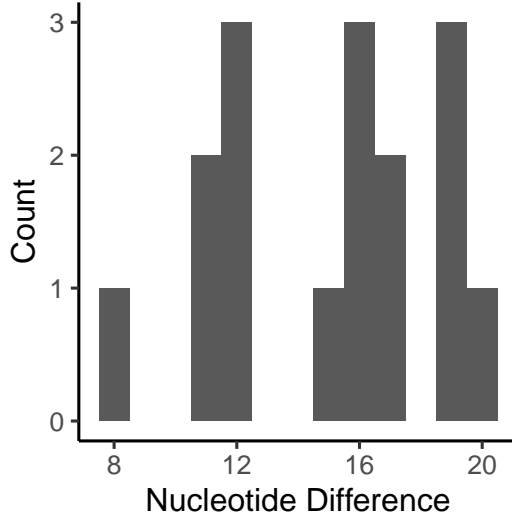
IGHV4-28*02_05

4 sequences assigned
No exact matches.



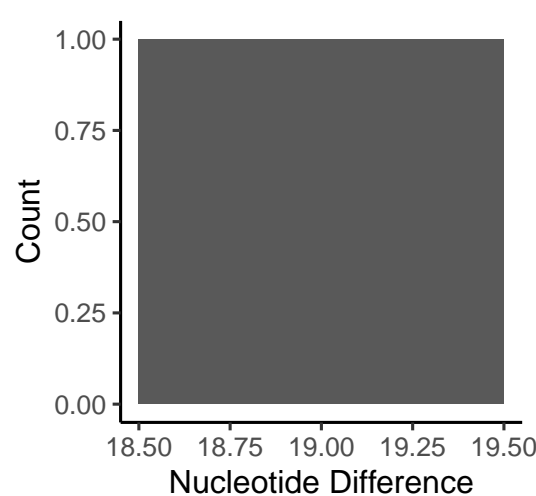
IGHV4-30-2*06

34 sequences assigned
No exact matches.



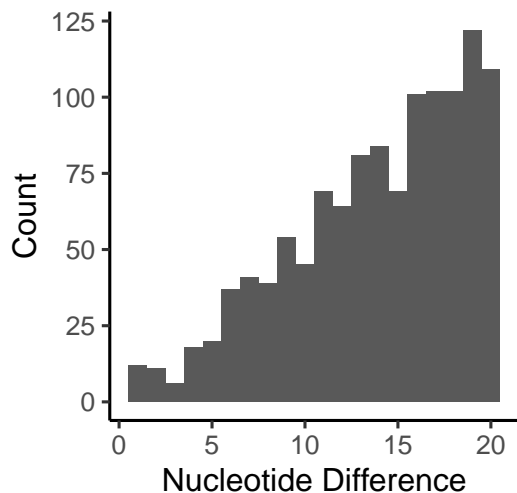
IGHV4-38-2*02

20 sequences assigned
No exact matches.



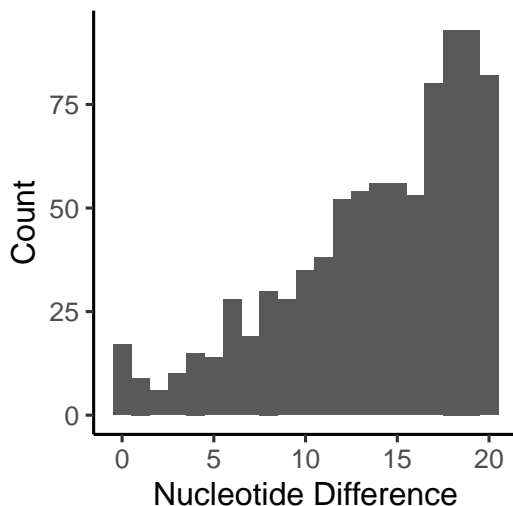
IGHV4-39*02

2743 sequences assigned
No exact matches.



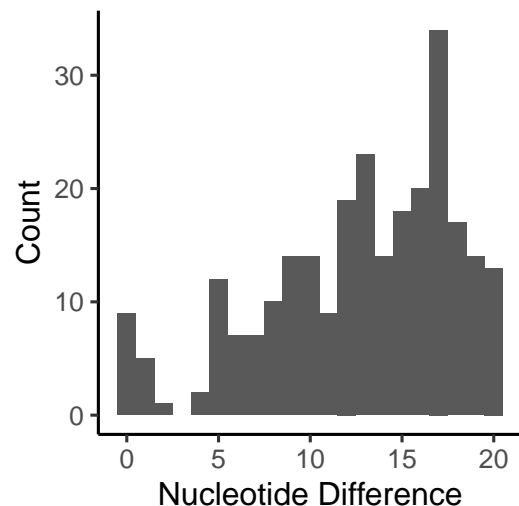
IGHV4-59*08

1645 sequences assigned
17 (1%) exact matches, in which:
15 unique CDR3
5 unique J



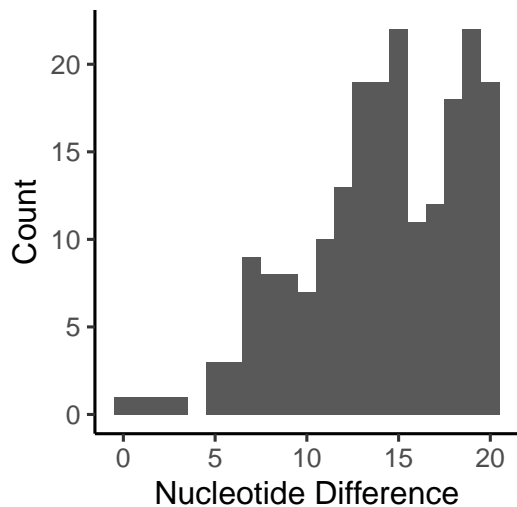
IGHV4-61*01

373 sequences assigned
9 (2.4%) exact matches, in which:
4 unique CDR3
2 unique J



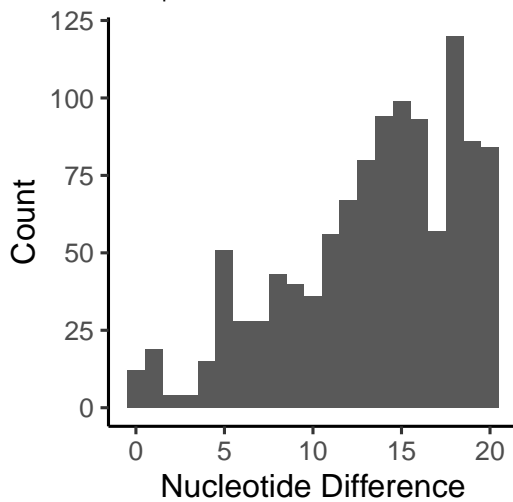
IGHV4-39*01_05

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



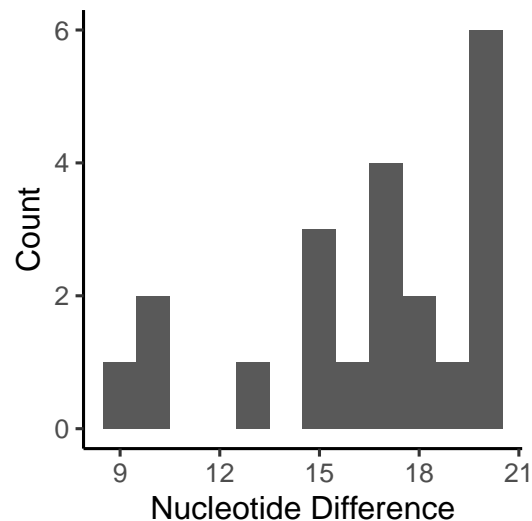
IGHV4-59*01_07

2346 sequences assigned
12 (0.5%) exact matches, in which:
10 unique CDR3
3 unique J



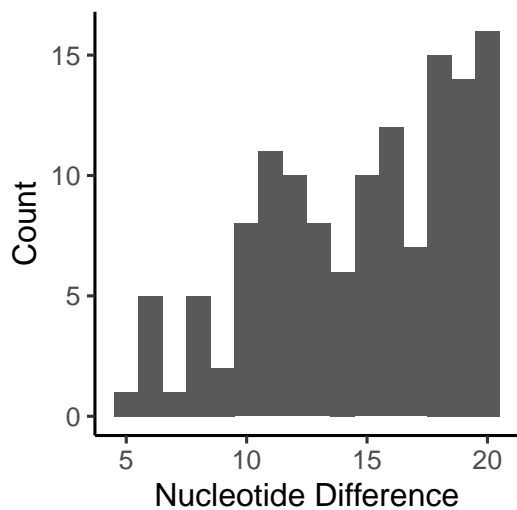
IGHV4-61*08

62 sequences assigned
No exact matches.



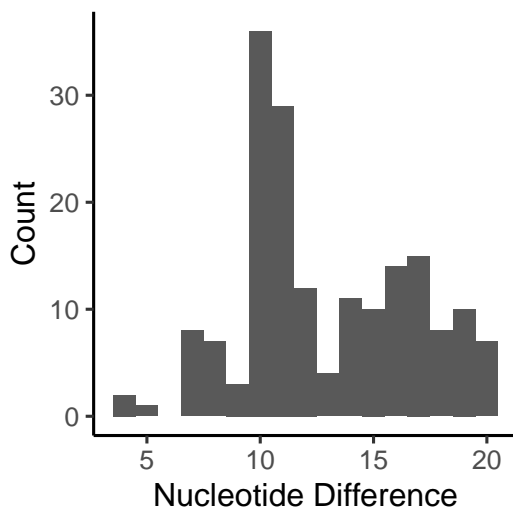
IGHV4-59*02

319 sequences assigned
No exact matches.



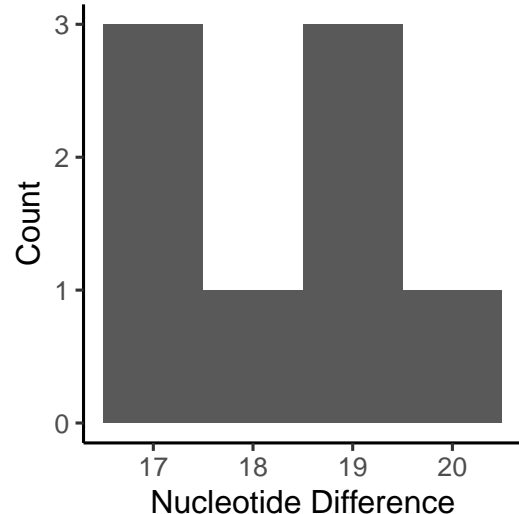
IGHV4-59*11

371 sequences assigned
No exact matches.



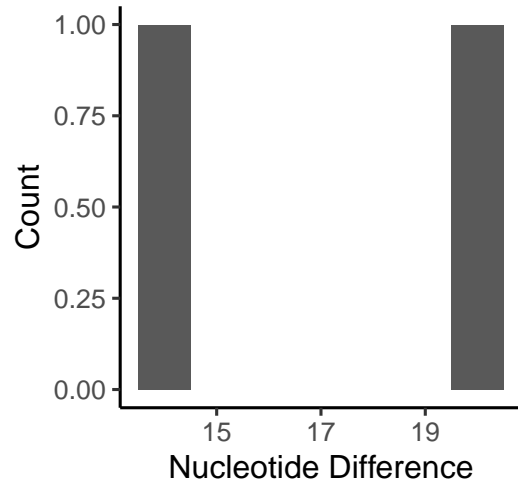
IGHV4/OR15-8*01

15 sequences assigned
No exact matches.



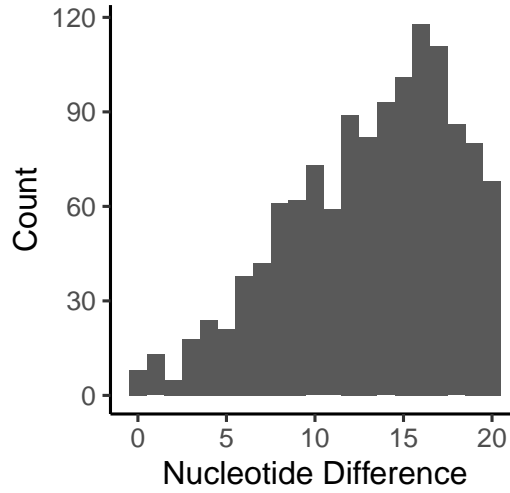
IGHV4/OR15–8*02

27 sequences assigned
No exact matches.



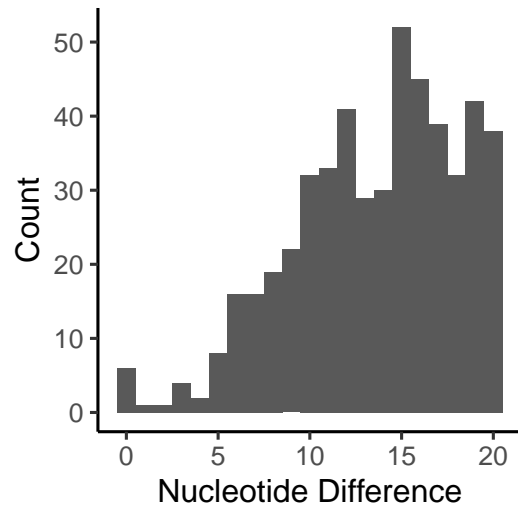
IGHV5–51*01_03

1904 sequences assigned
8 (0.4%) exact matches, in which:
7 unique CDR3
3 unique J



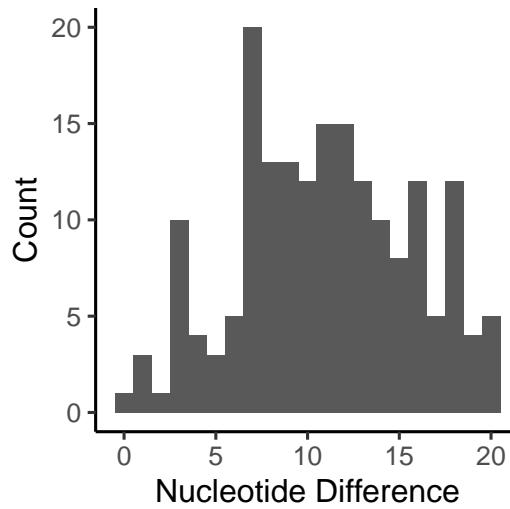
IGHV5–10–1*01_03

801 sequences assigned
6 (0.7%) exact matches, in which:
6 unique CDR3
2 unique J



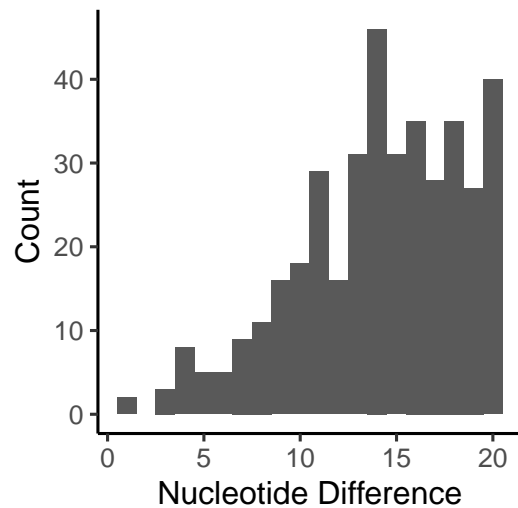
IGHV6–1*01_02

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



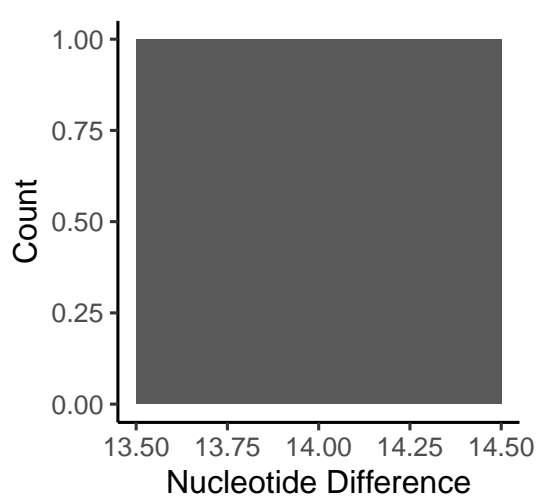
IGHV5–51*07

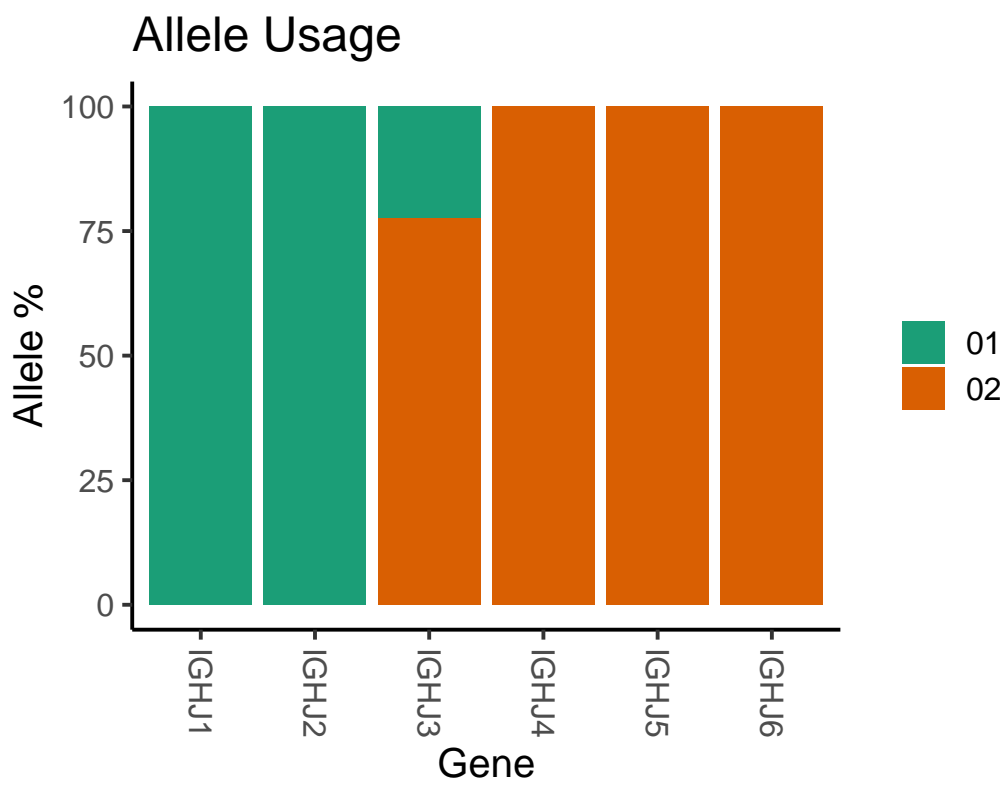
612 sequences assigned
No exact matches.



IGHV3/OR16–10*01_03

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.