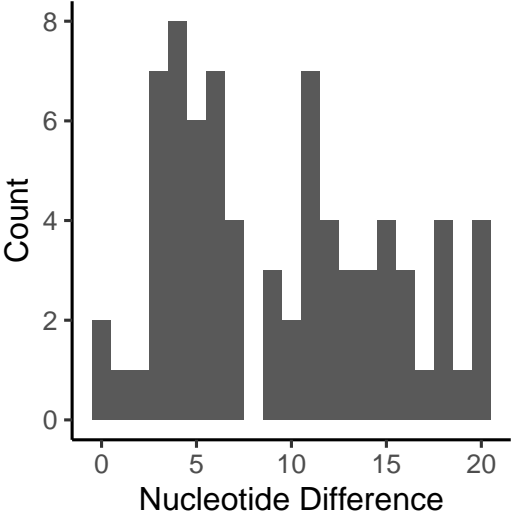


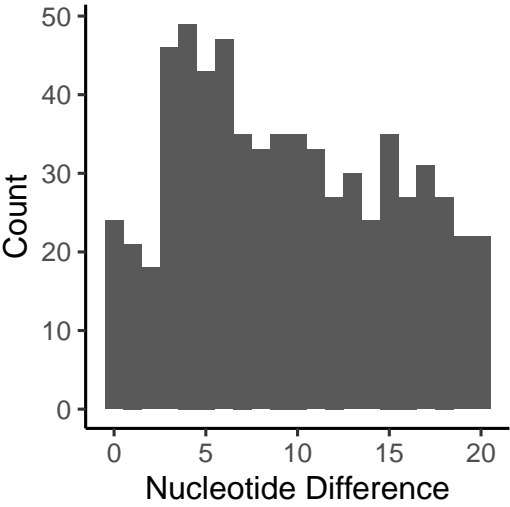
IGHV1-2*04

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



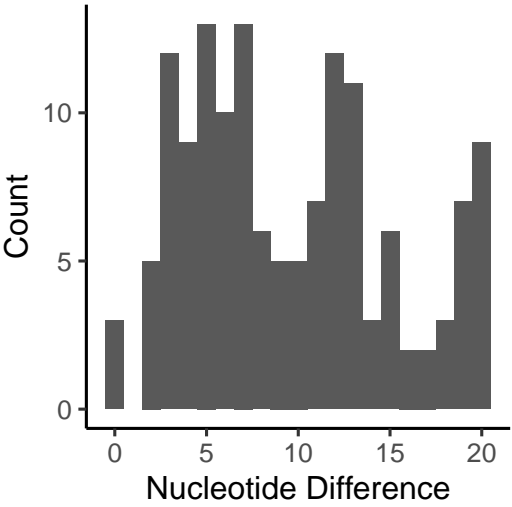
IGHV1-18*04

1020 sequences assigned
24 (2.4%) exact matches, in which:
22 unique CDR3
5 unique J



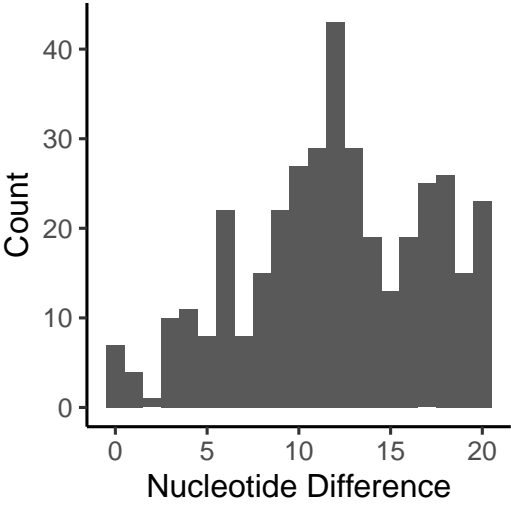
IGHV1-46*01

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



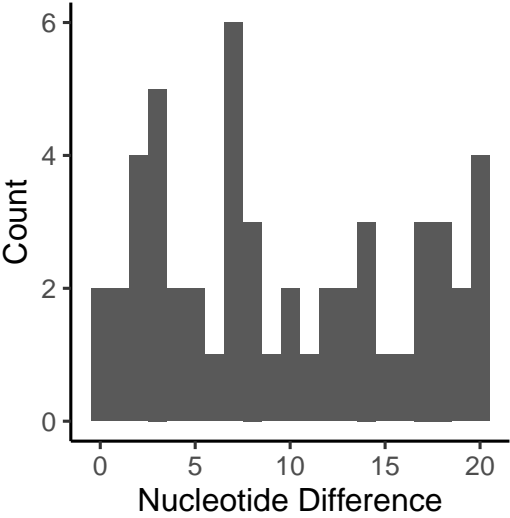
IGHV1-3*01_05

477 sequences assigned
7 (1.5%) exact matches, in which:
7 unique CDR3
2 unique J



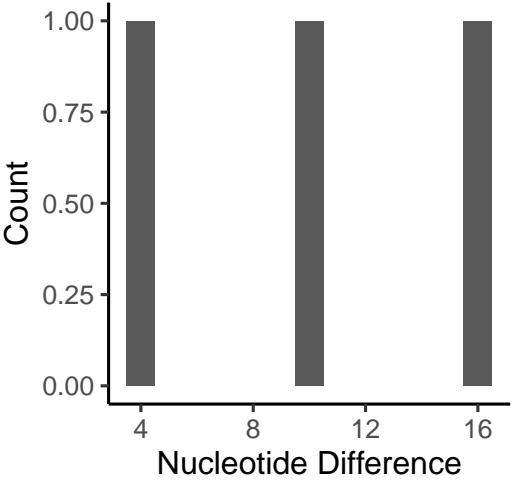
IGHV1-24*01

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



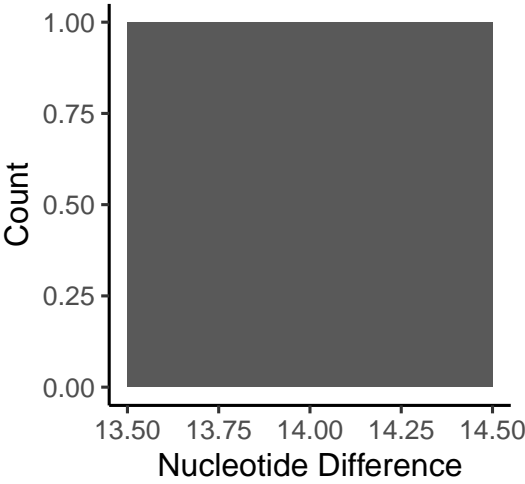
IGHV1-58*02

3 sequences assigned
No exact matches.



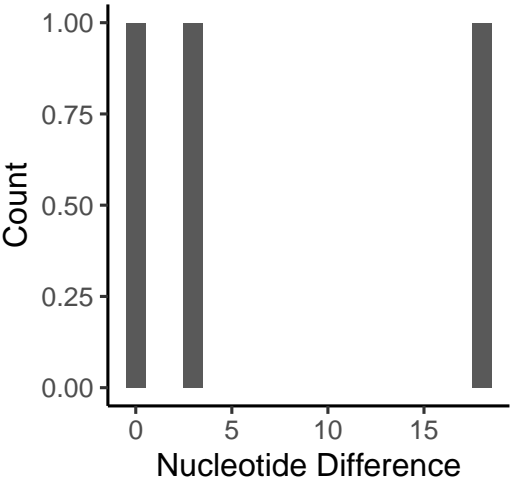
IGHV1-8*01

1 sequences assigned
No exact matches.



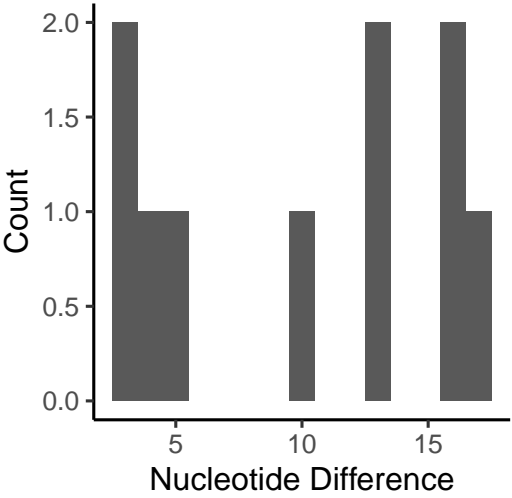
IGHV1-45*02

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



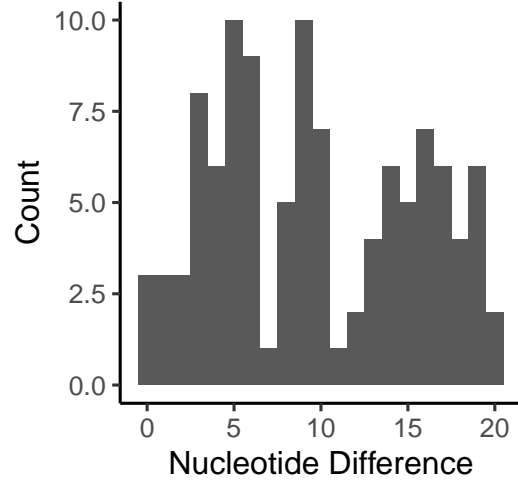
IGHV1-58*01_03

13 sequences assigned
No exact matches.



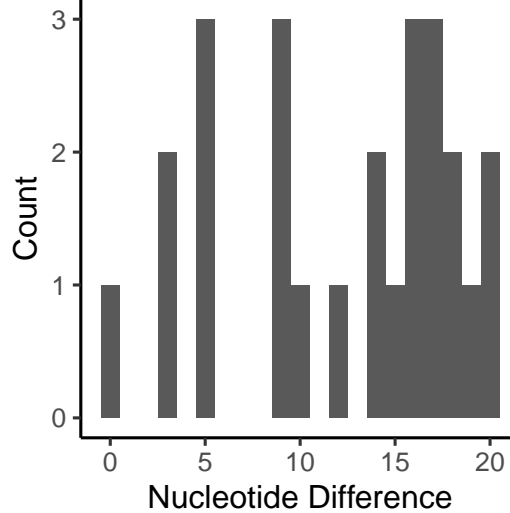
IGHV1-69*01_12_13

146 sequences assigned
3 (2.1%) exact matches, in which:
3 unique CDR3
3 unique J



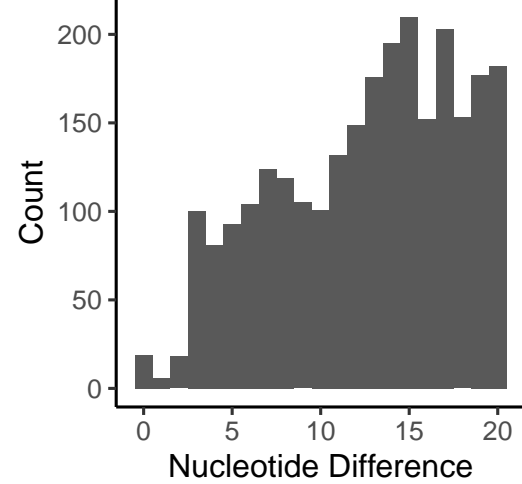
IGHV2-26*01

26 sequences assigned
1 (3.8%) exact matches, in which:
1 unique CDR3
1 unique J



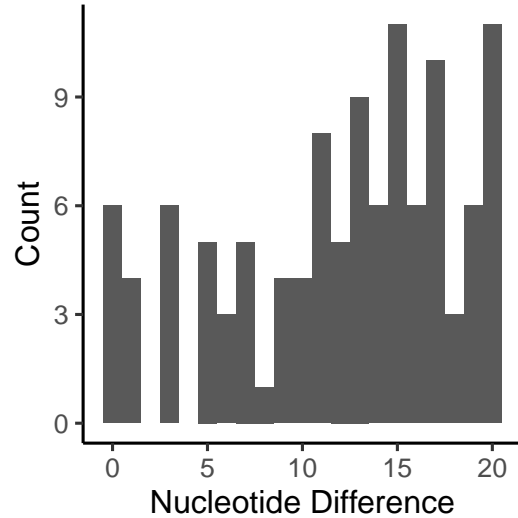
IGHV3-7*03

3717 sequences assigned
19 (0.5%) exact matches, in which:
16 unique CDR3
5 unique J



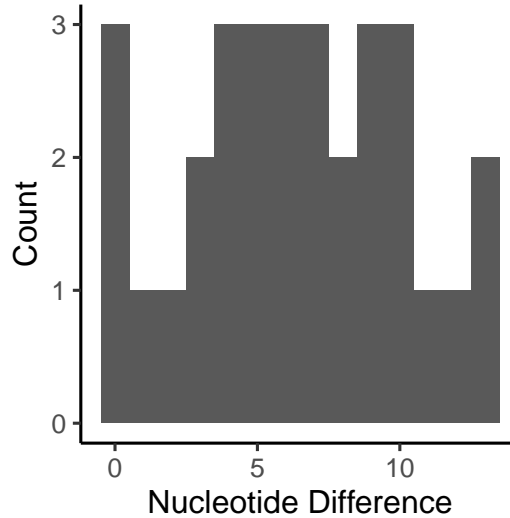
IGHV1-69*04_09

189 sequences assigned
6 (3.2%) exact matches, in which:
5 unique CDR3
2 unique J



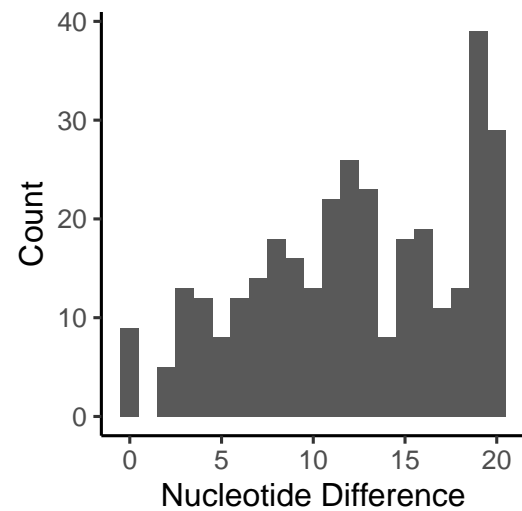
IGHV2-70*01

36 sequences assigned
3 (8.3%) exact matches, in which:
2 unique CDR3
1 unique J



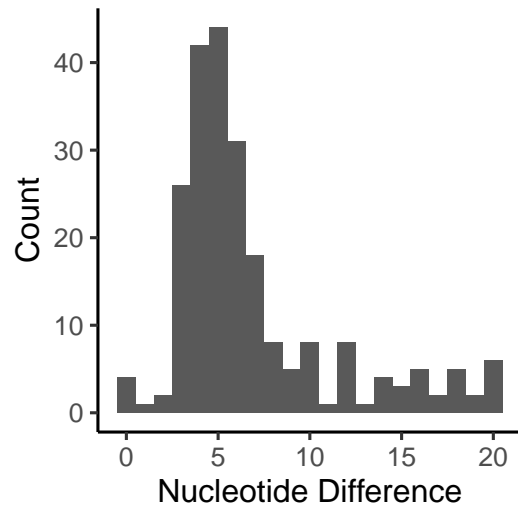
IGHV3-11*06

505 sequences assigned
9 (1.8%) exact matches, in which:
4 unique CDR3
2 unique J



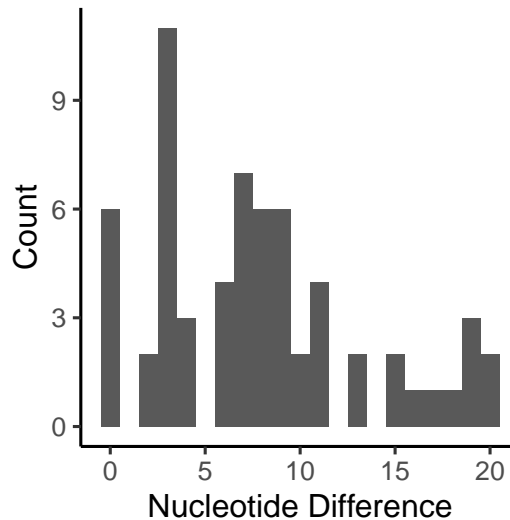
IGHV2-5*02

242 sequences assigned
4 (1.7%) exact matches, in which:
4 unique CDR3
3 unique J



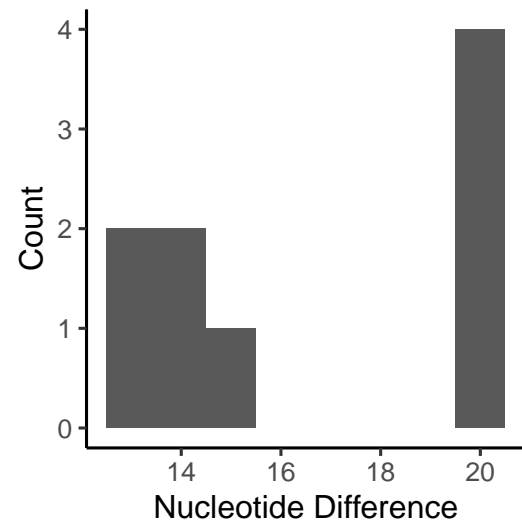
IGHV2-70*11_15

71 sequences assigned
6 (8.5%) exact matches, in which:
5 unique CDR3
2 unique J



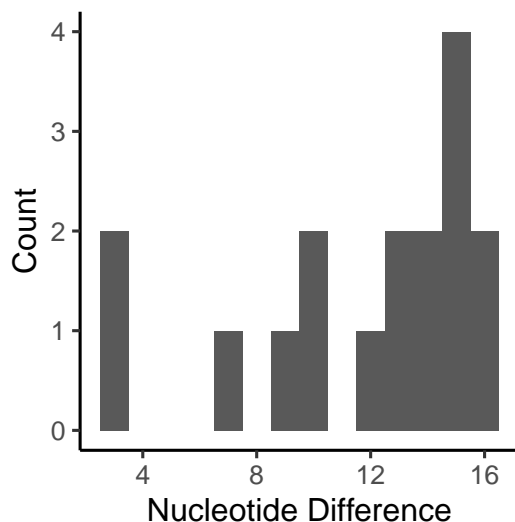
IGHV3-13*01

17 sequences assigned
No exact matches.



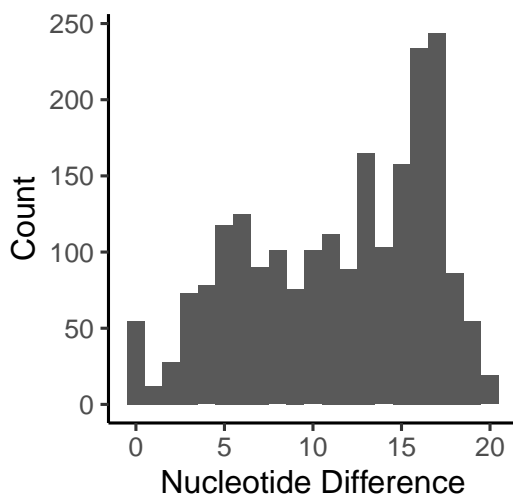
IGHV3-13*05

23 sequences assigned
No exact matches.



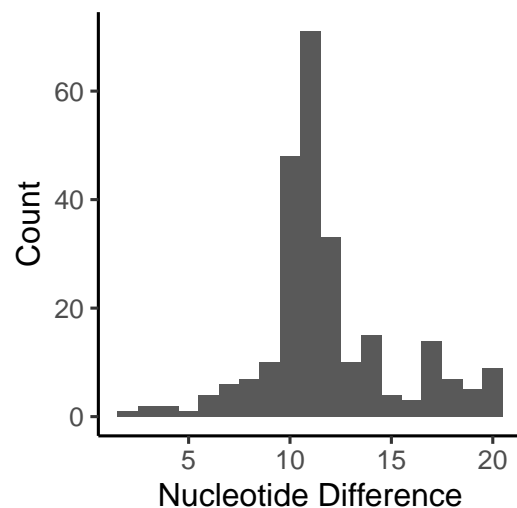
IGHV3-21*01_02

2300 sequences assigned
55 (2.4%) exact matches, in which:
30 unique CDR3
4 unique J



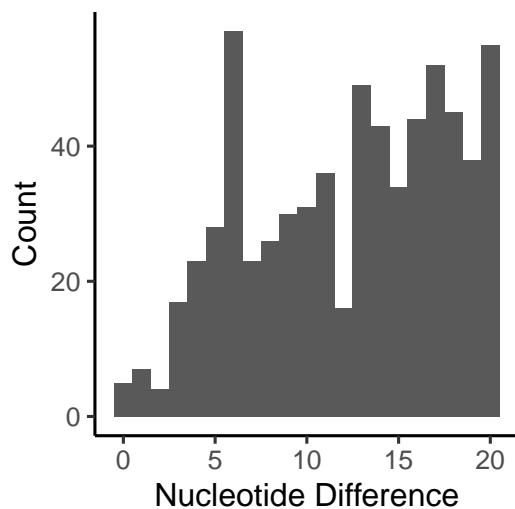
IGHV3-30*03

451 sequences assigned
No exact matches.



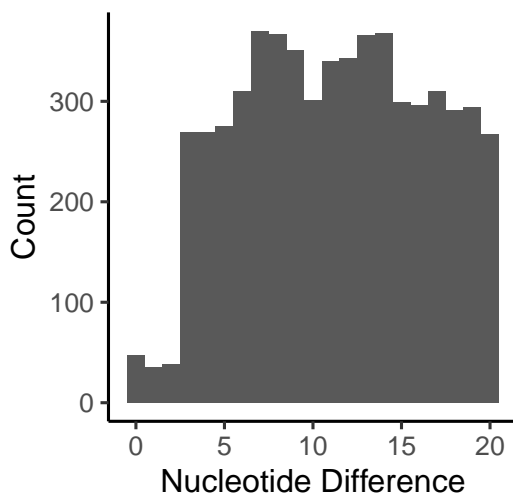
IGHV3-15*01_02

1038 sequences assigned
5 (0.5%) exact matches, in which:
4 unique CDR3
1 unique J



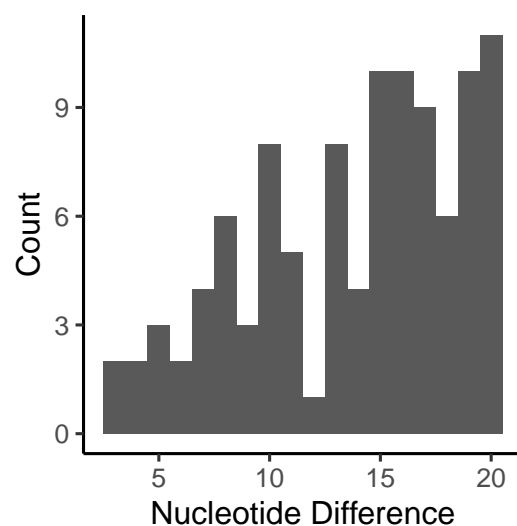
IGHV3-23*01_04

8111 sequences assigned
47 (0.6%) exact matches, in which:
40 unique CDR3
5 unique J



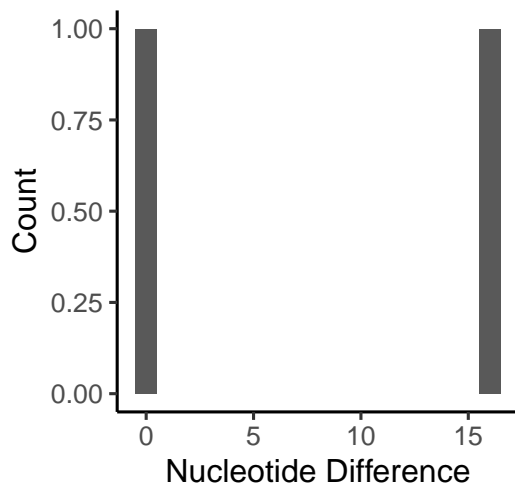
IGHV3-30*04

135 sequences assigned
No exact matches.



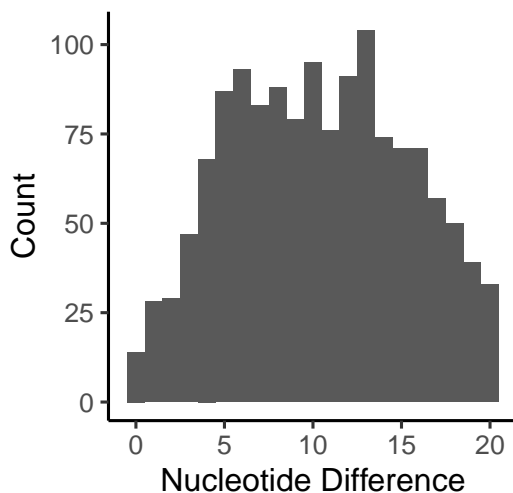
IGHV3-20*01_02

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



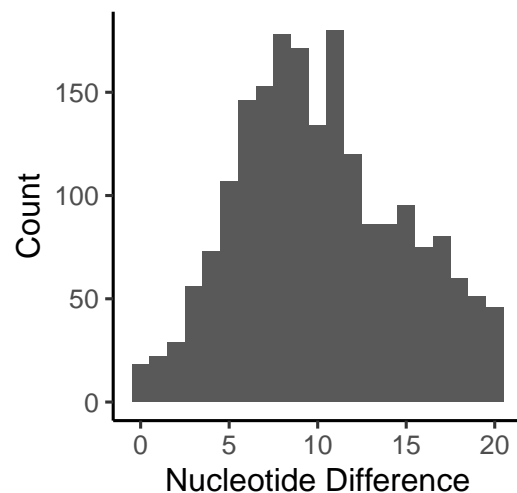
IGHV3-30-3*01

1558 sequences assigned
14 (0.9%) exact matches, in which:
11 unique CDR3
4 unique J



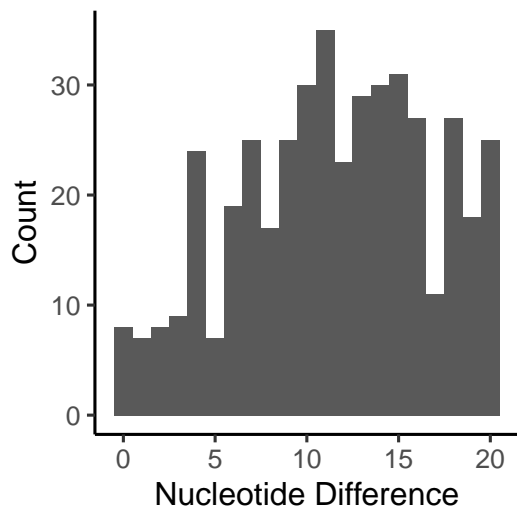
IGHV3-30*18

2298 sequences assigned
18 (0.8%) exact matches, in which:
11 unique CDR3
5 unique J



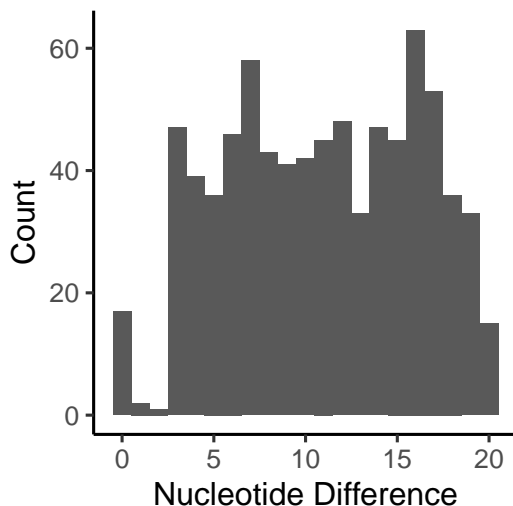
IGHV3-33*01

572 sequences assigned
8 (1.4%) exact matches, in which:
5 unique CDR3
2 unique J



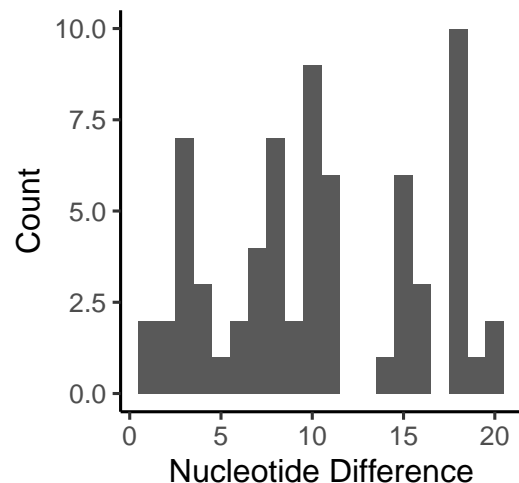
IGHV3-48*04

976 sequences assigned
17 (1.7%) exact matches, in which:
9 unique CDR3
2 unique J



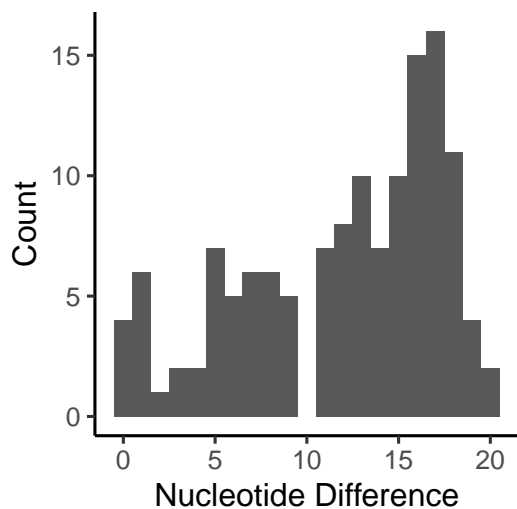
IGHV3-64*01

96 sequences assigned
No exact matches.



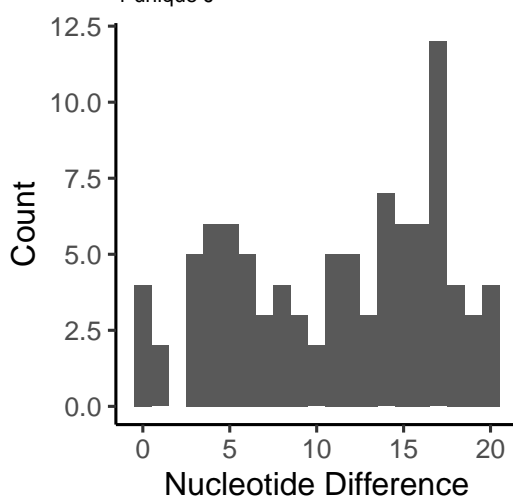
IGHV3-43*01

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



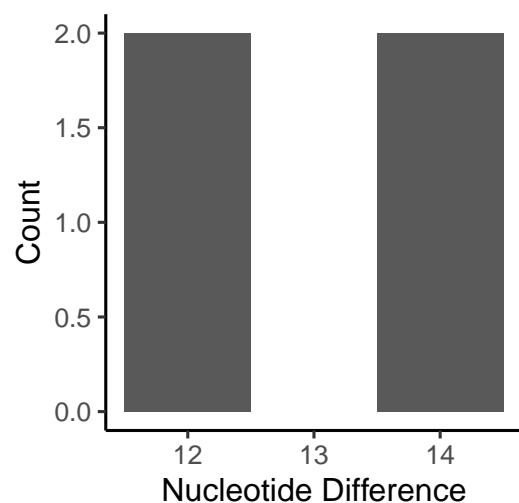
IGHV3-49*03_05

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



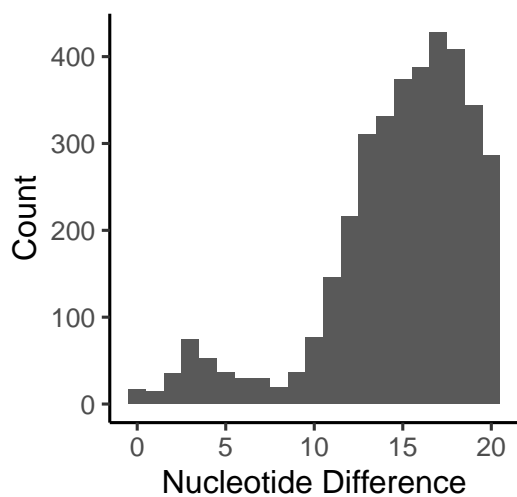
IGHV3-64*05

4 sequences assigned
No exact matches.



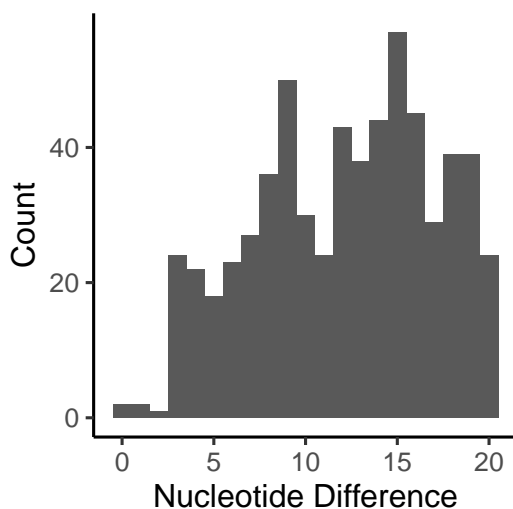
IGHV3-48*02

4987 sequences assigned
17 (0.3%) exact matches, in which:
9 unique CDR3
2 unique J



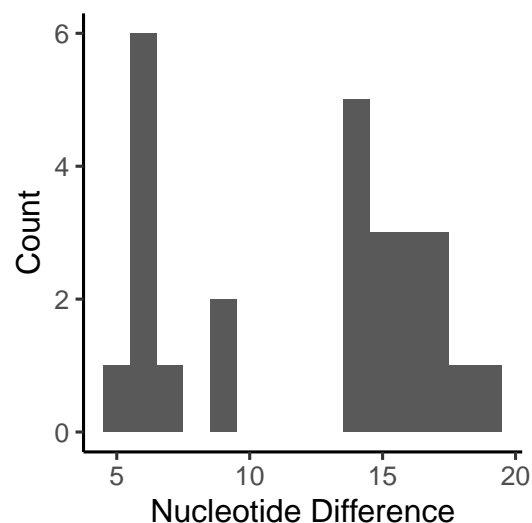
IGHV3-53*01_02

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



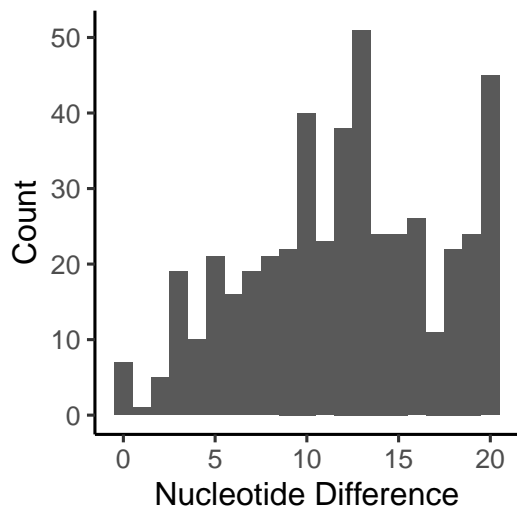
IGHV3-64*02_07

31 sequences assigned
No exact matches.



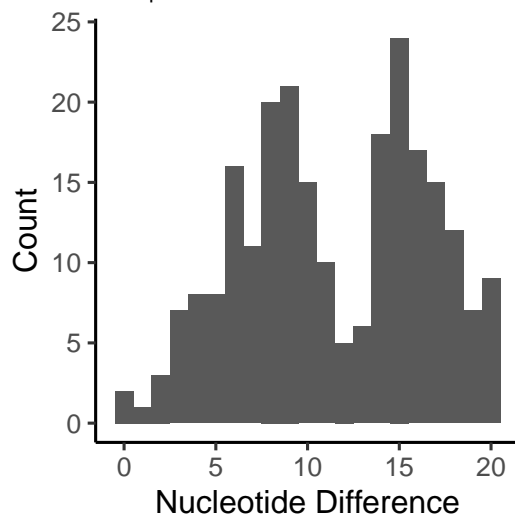
IGHV3-66*01

685 sequences assigned
7 (1%) exact matches, in which:
5 unique CDR3
2 unique J



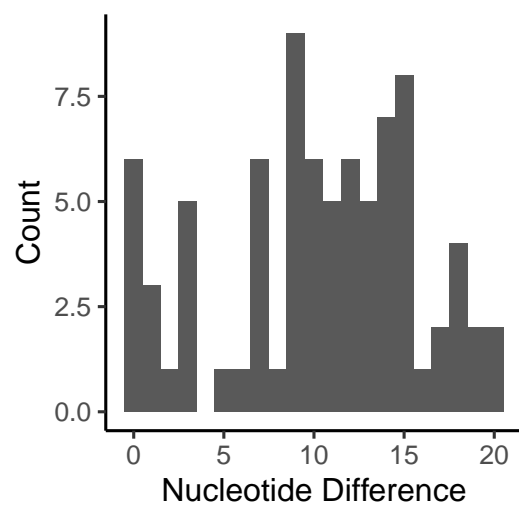
IGHV3-73*01_02

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



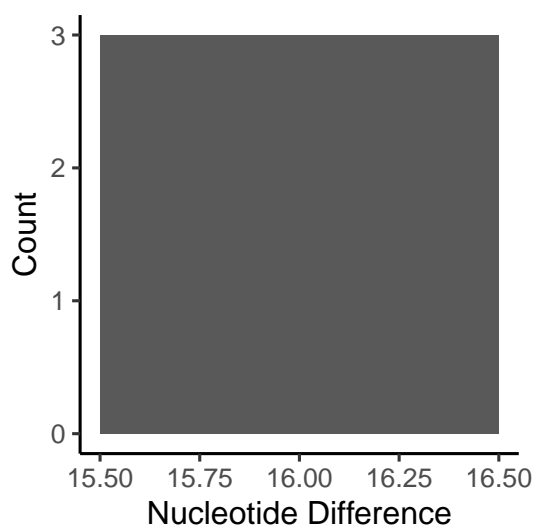
IGHV3-43D*03

90 sequences assigned
6 (6.7%) exact matches, in which:
3 unique CDR3
1 unique J



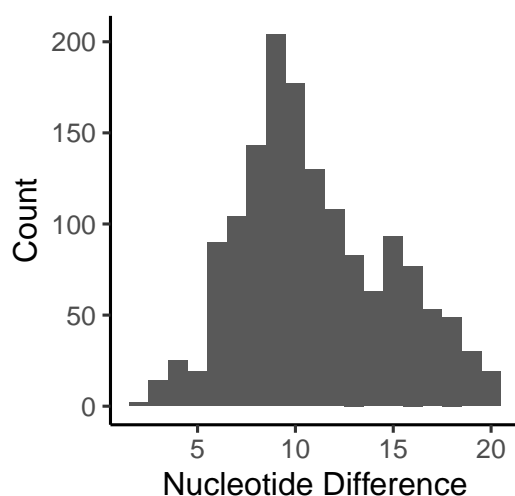
IGHV3-69-1*02

6 sequences assigned
No exact matches.



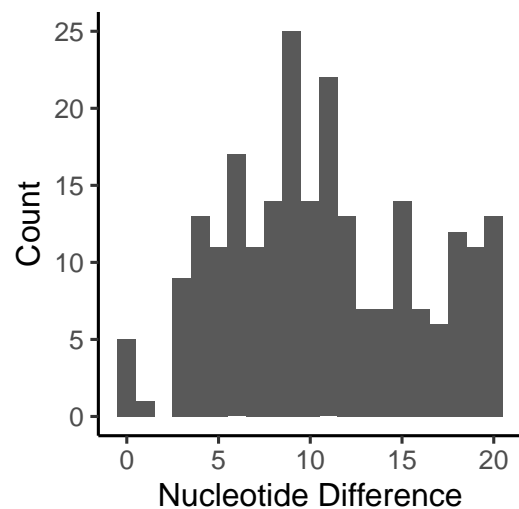
IGHV3-74*03

1561 sequences assigned
No exact matches.



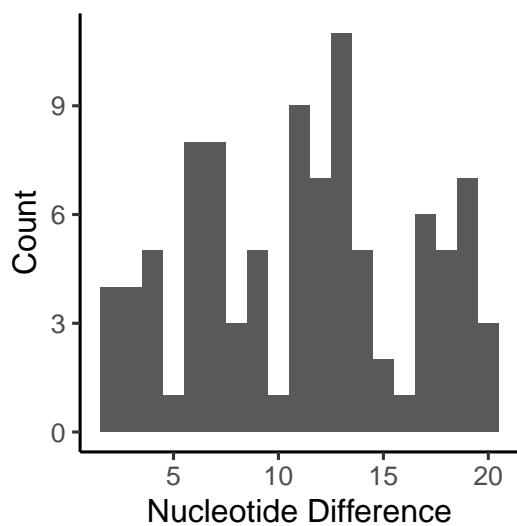
IGHV3-64D*06

473 sequences assigned
5 (1.1%) exact matches, in which:
5 unique CDR3
3 unique J



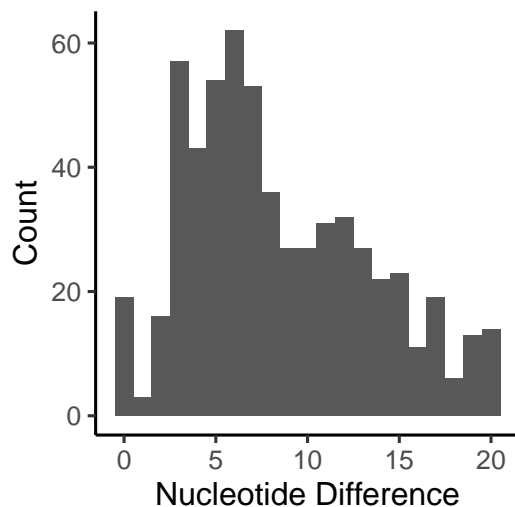
IGHV3-72*01

122 sequences assigned
No exact matches.



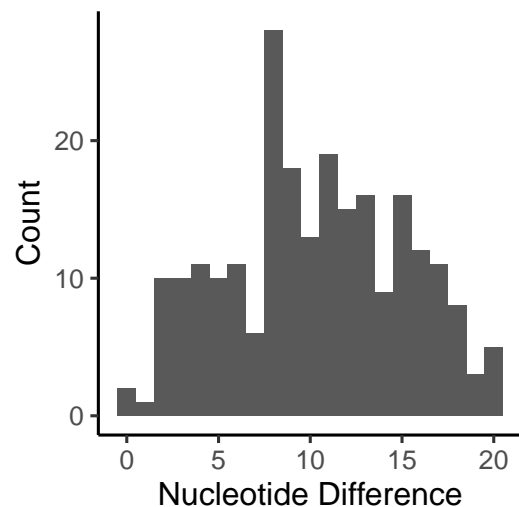
IGHV3-74*01_02

640 sequences assigned
19 (3%) exact matches, in which:
11 unique CDR3
4 unique J



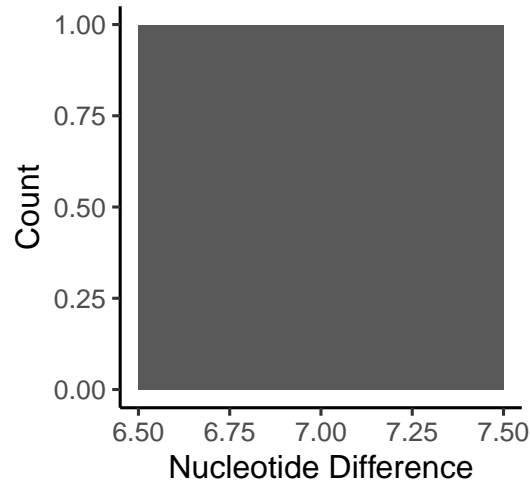
IGHV3-64D*09

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



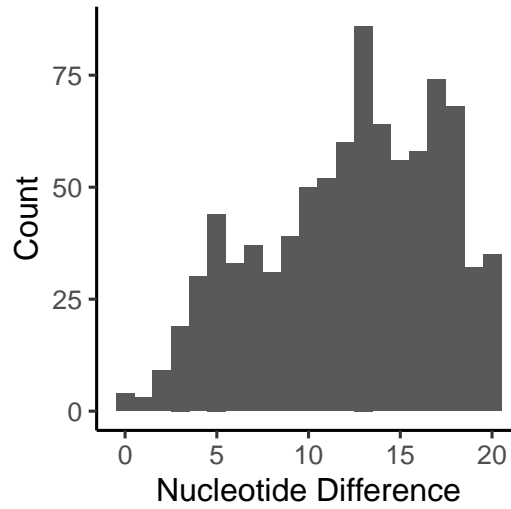
IGHV3–NL1*01

3 sequences assigned
No exact matches.



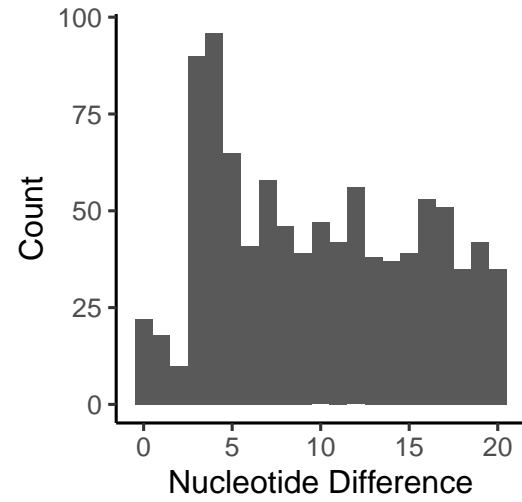
IGHV4–30–4*01

982 sequences assigned
4 (0.4%) exact matches, in which:
3 unique CDR3
1 unique J



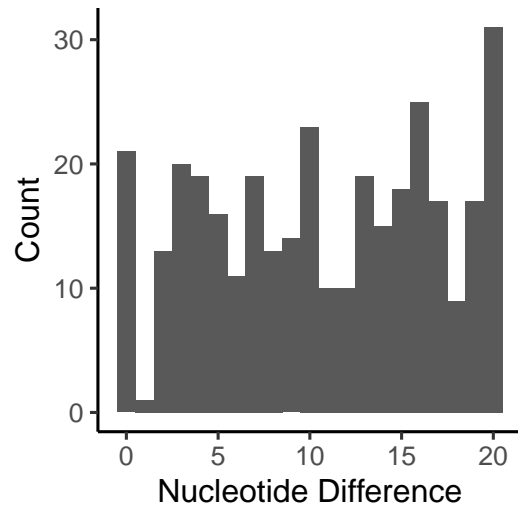
IGHV4–34*01_02

1455 sequences assigned
22 (1.5%) exact matches, in which:
19 unique CDR3
4 unique J



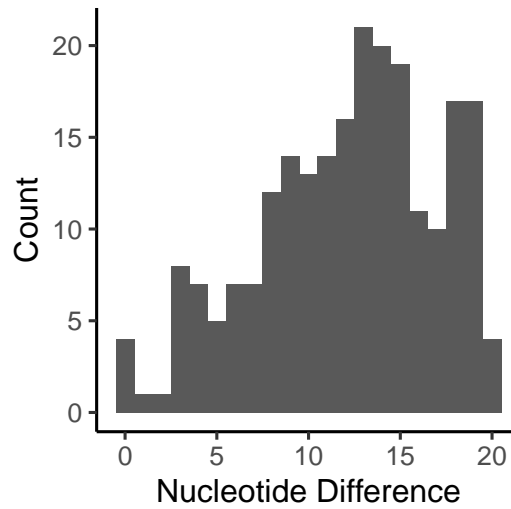
IGHV4–4*02_03

467 sequences assigned
21 (4.5%) exact matches, in which:
14 unique CDR3
5 unique J



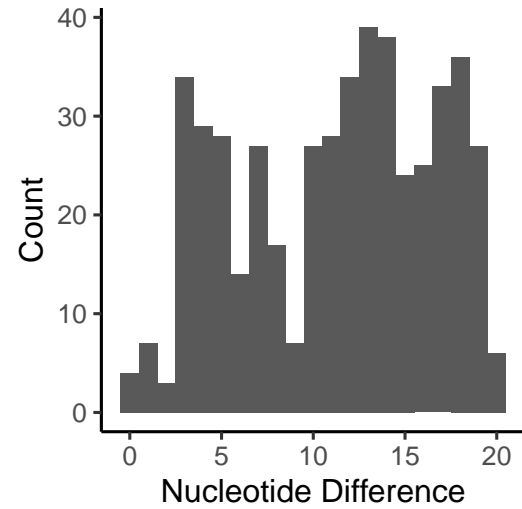
IGHV4–30–2*01

314 sequences assigned
4 (1.3%) exact matches, in which:
4 unique CDR3
2 unique J



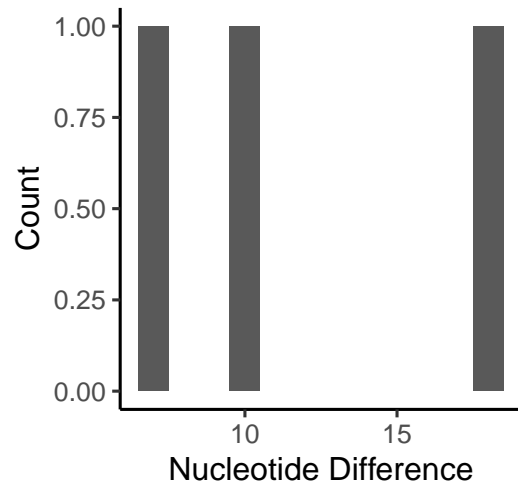
IGHV4–38–2*02

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



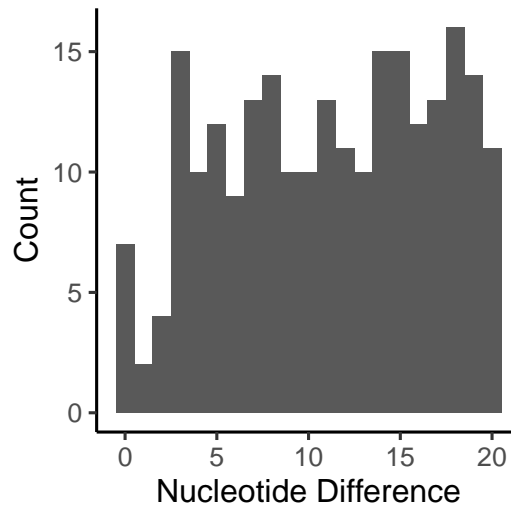
IGHV4–28*03

3 sequences assigned
No exact matches.



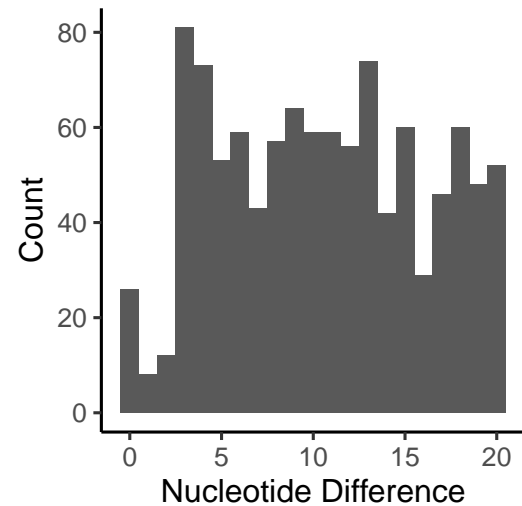
IGHV4–31*02

329 sequences assigned
7 (2.1%) exact matches, in which:
5 unique CDR3
3 unique J



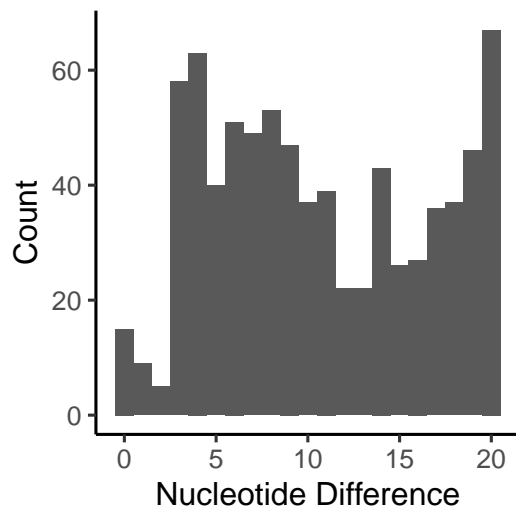
IGHV4–39*07

1554 sequences assigned
26 (1.7%) exact matches, in which:
17 unique CDR3
4 unique J



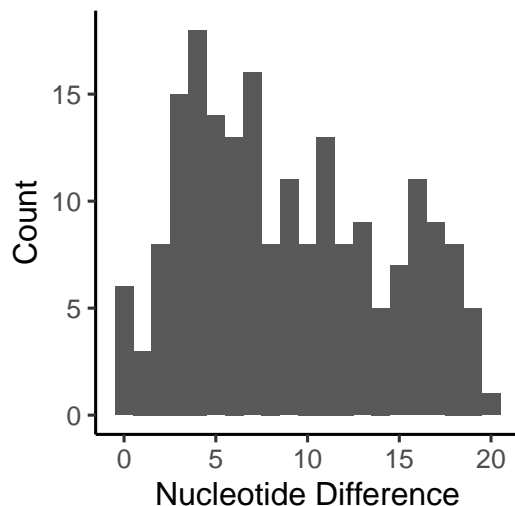
IGHV4–59*08

1252 sequences assigned
15 (1.2%) exact matches, in which:
7 unique CDR3
4 unique J



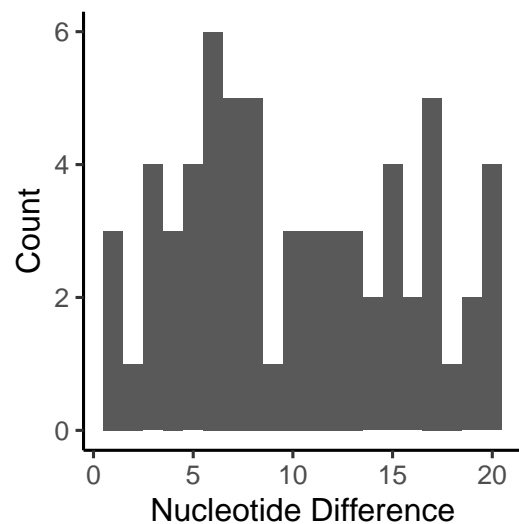
IGHV4–61*01

270 sequences assigned
6 (2.2%) exact matches, in which:
5 unique CDR3
2 unique J



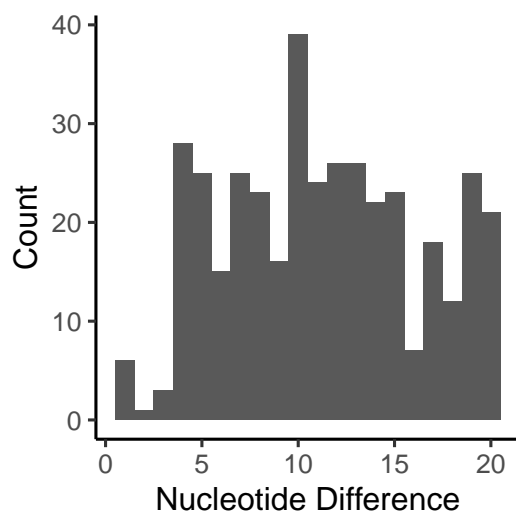
IGHV5–10–1*01_03

78 sequences assigned
No exact matches.



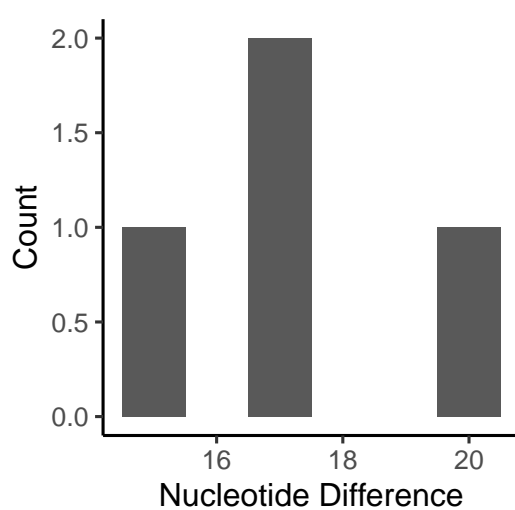
IGHV4–59*11

513 sequences assigned
No exact matches.



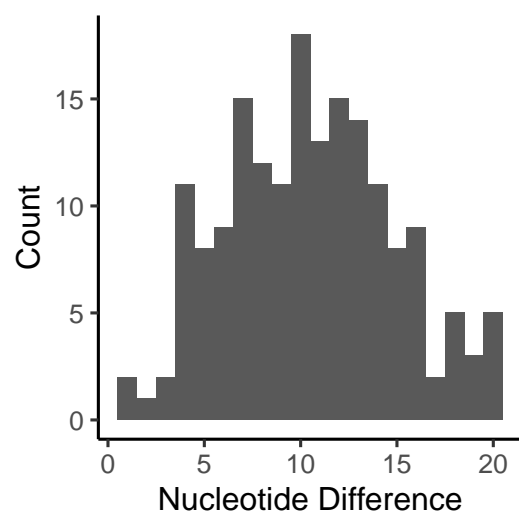
IGHV4/OR15–8*01

8 sequences assigned
No exact matches.



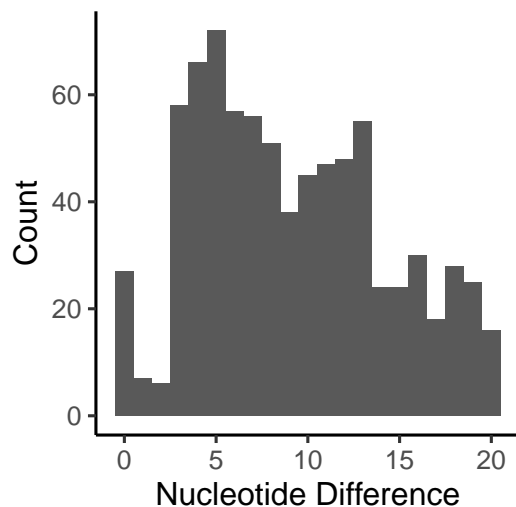
IGHV5–51*07

184 sequences assigned
No exact matches.



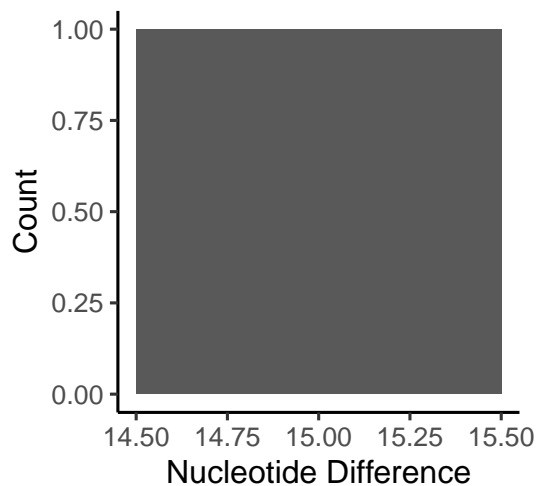
IGHV4–59*01_07

966 sequences assigned
27 (2.8%) exact matches, in which:
19 unique CDR3
5 unique J



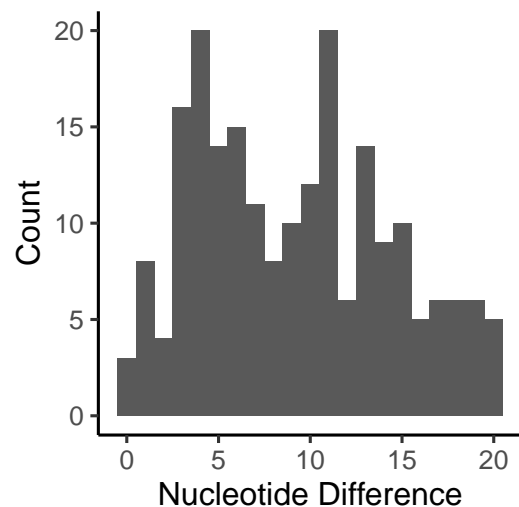
IGHV4/OR15–8*02

14 sequences assigned
No exact matches.



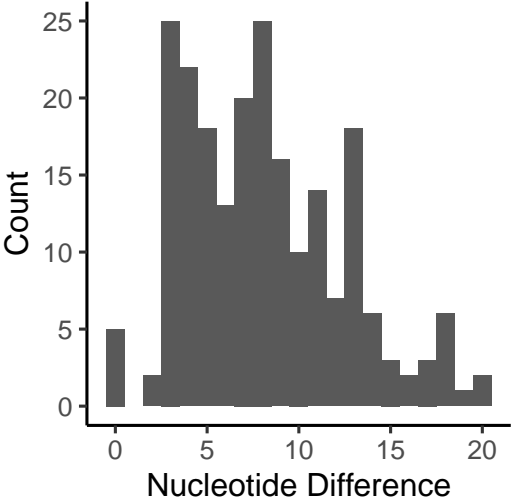
IGHV5–51*01_03

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



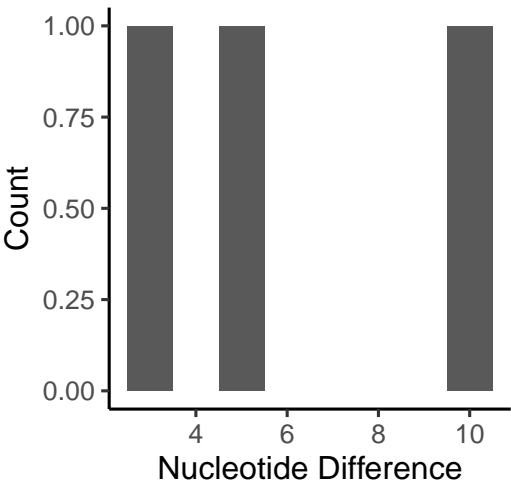
IGHV6-1*01_02

232 sequences assigned
5 (2.2%) exact matches, in which:
4 unique CDR3
2 unique J



IGHV7-4-1*02

3 sequences assigned
No exact matches.





Warning – no inferred sequences found.