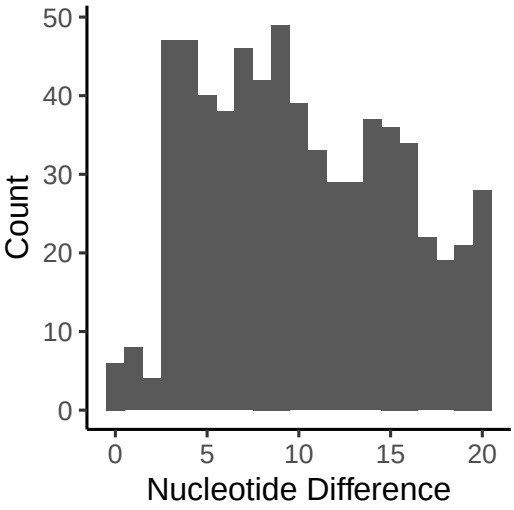
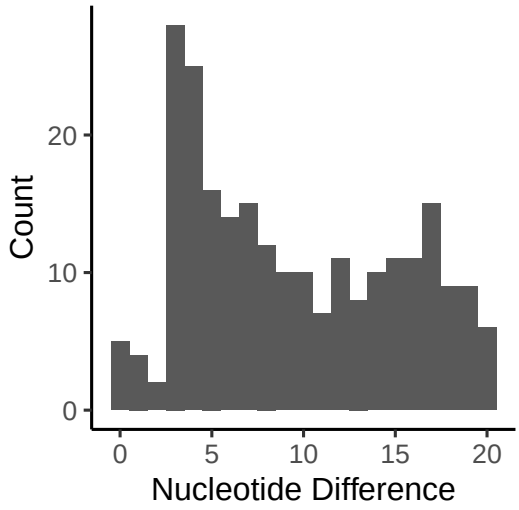
IGHV1−2*02

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



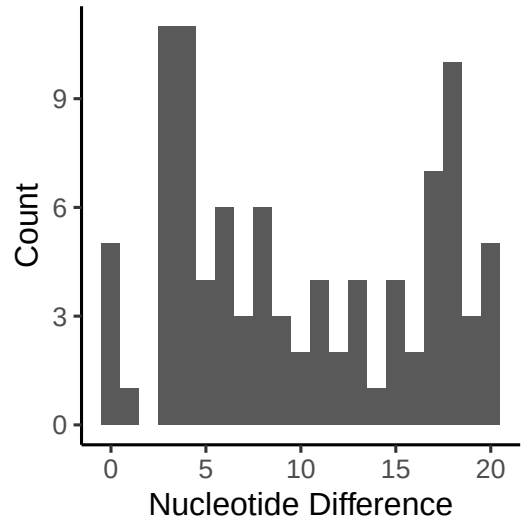
IGHV1−8*01

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



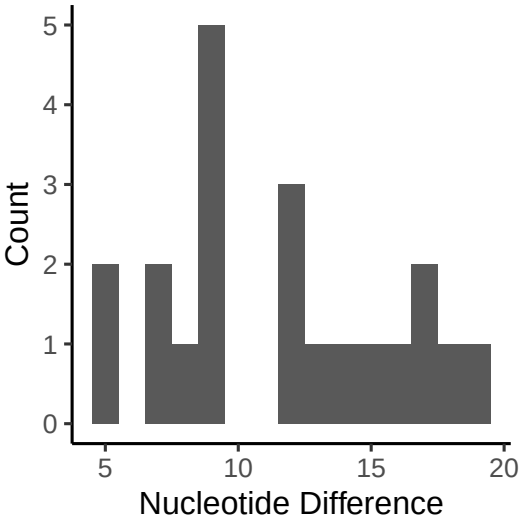
IGHV1−24*01

130 sequences assigned
5 (3.8%) exact matches, in which:
5 unique CDR3
3 unique J



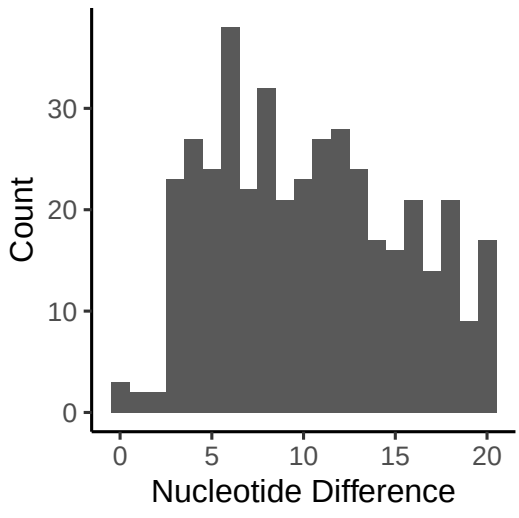
IGHV1−3*04

37 sequences assigned
No exact matches.



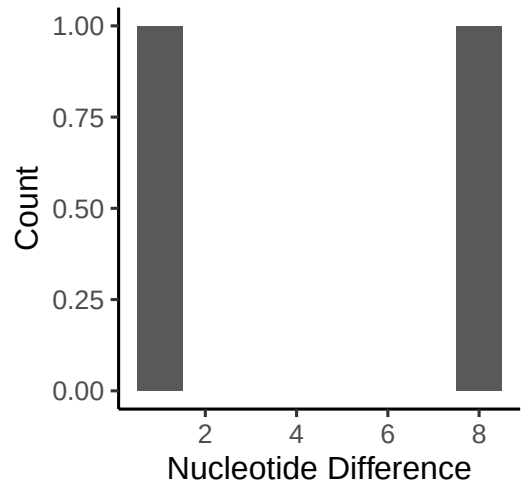
IGHV1−18*01

576 sequences assigned
3 (0.5%) exact matches, in which:
3 unique CDR3
2 unique J



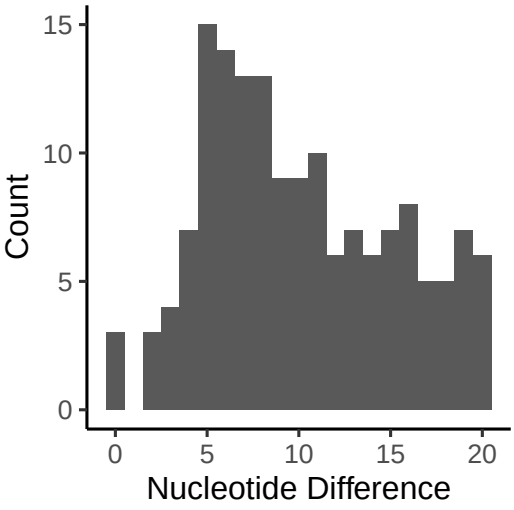
IGHV1−45*02

4 sequences assigned
No exact matches.



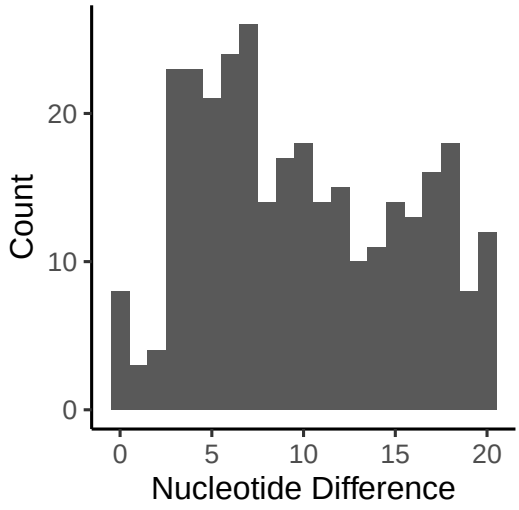
IGHV1−3*01_05

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



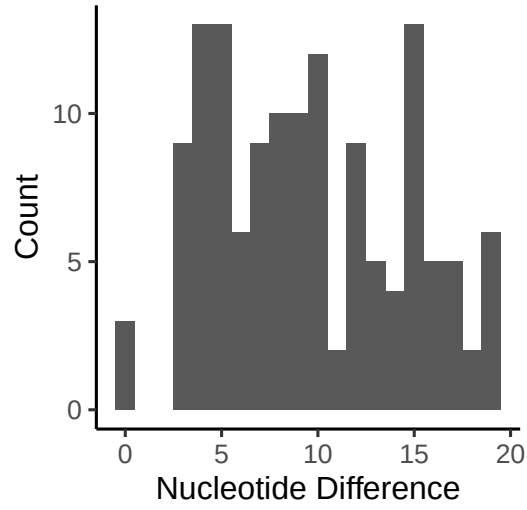
IGHV1−18*04

425 sequences assigned
8 (1.9%) exact matches, in which:
7 unique CDR3
3 unique J



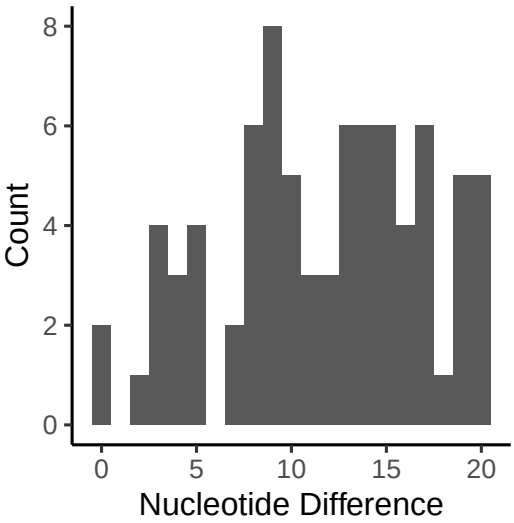
IGHV1−46*01

195 sequences assigned
3 (1.5%) exact matches, in which:
2 unique CDR3
1 unique J



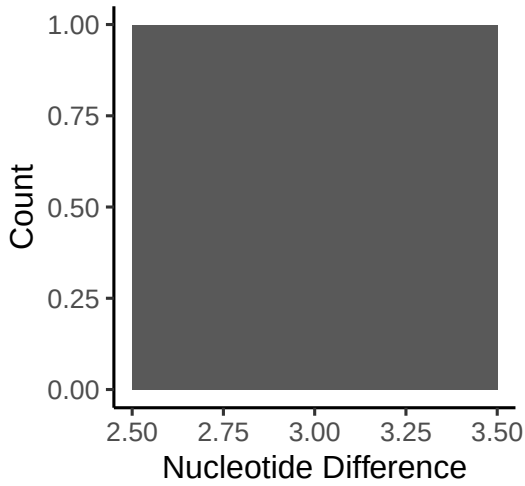
IGHV1−46*03

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



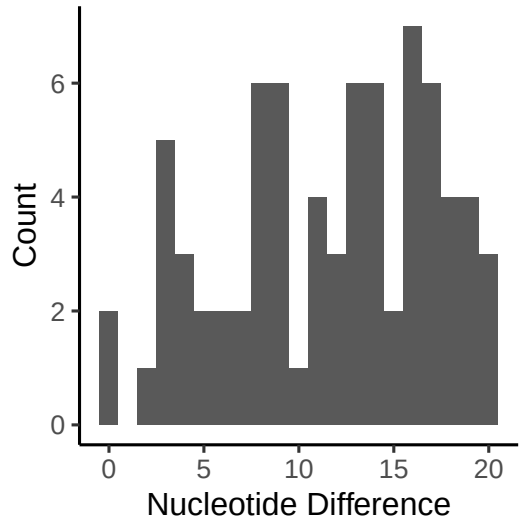
IGHV1−68*02_03

2 sequences assigned
No exact matches.



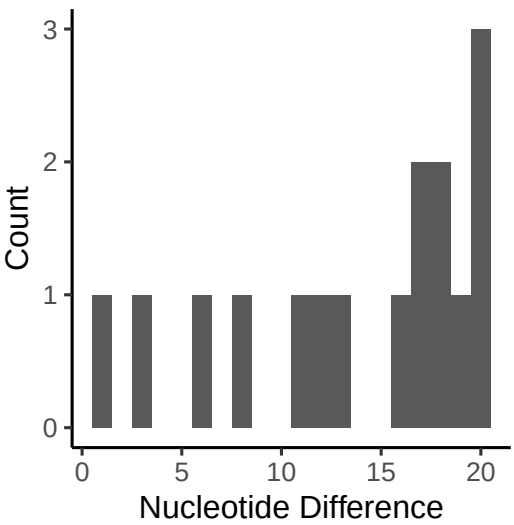
IGHV1−69*06_14

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



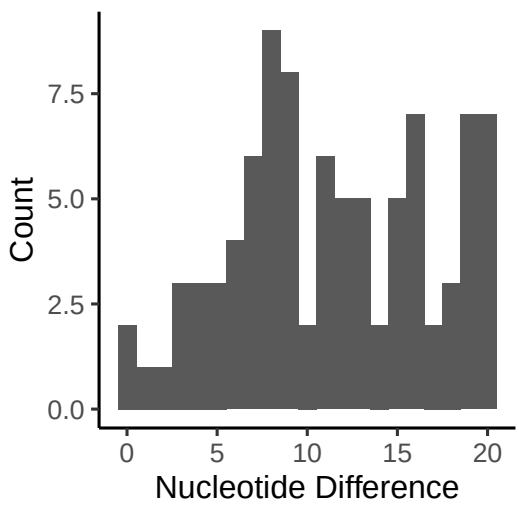
IGHV1−58*02

43 sequences assigned
No exact matches.



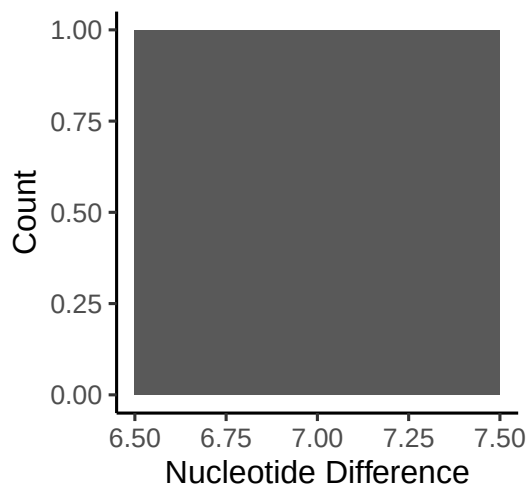
IGHV1−69*01_12_13

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



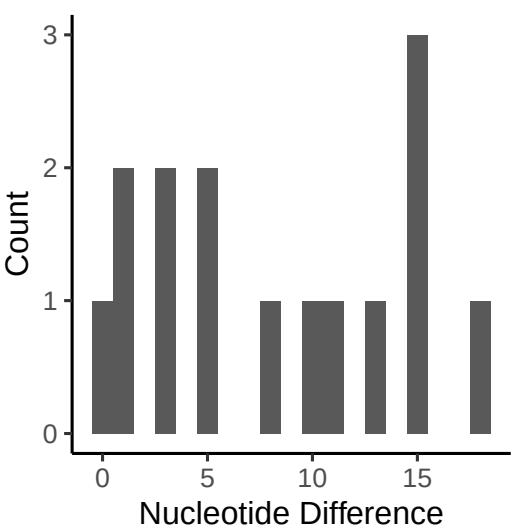
IGHV1−NL1*01

1 sequences assigned
No exact matches.



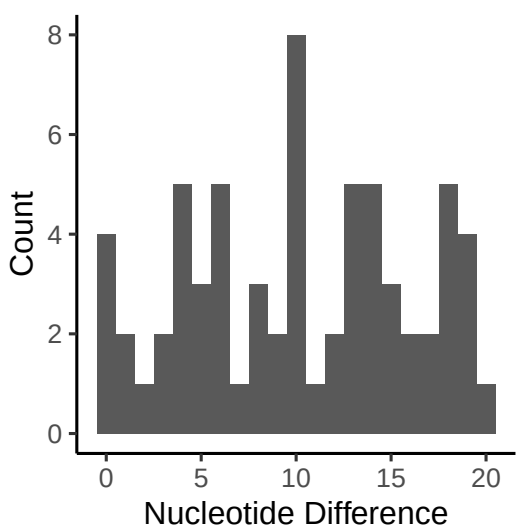
IGHV1−58*01_03

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



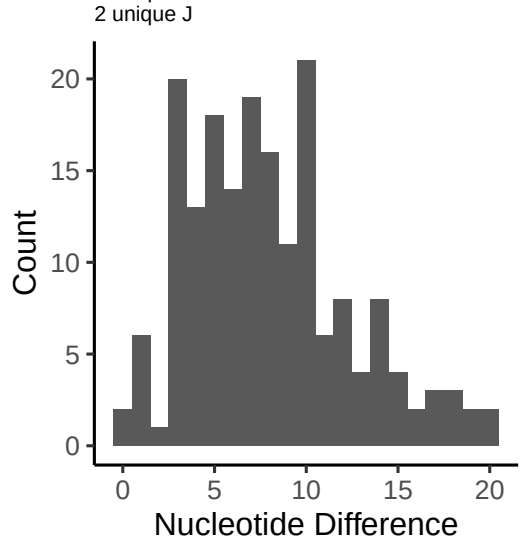
IGHV1−69*04_09

124 sequences assigned
4 (3.2%) exact matches, in which:
3 unique CDR3
2 unique J



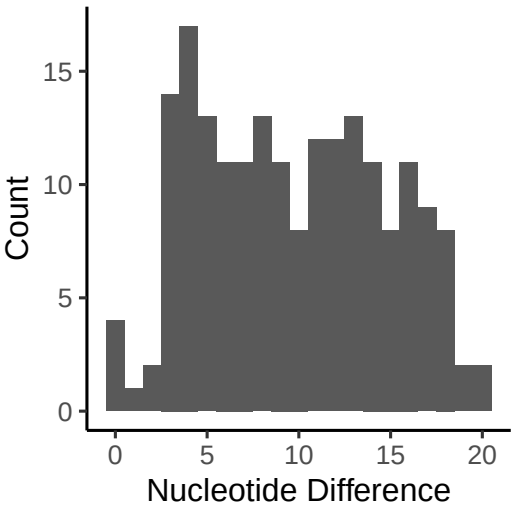
IGHV2−5*01

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



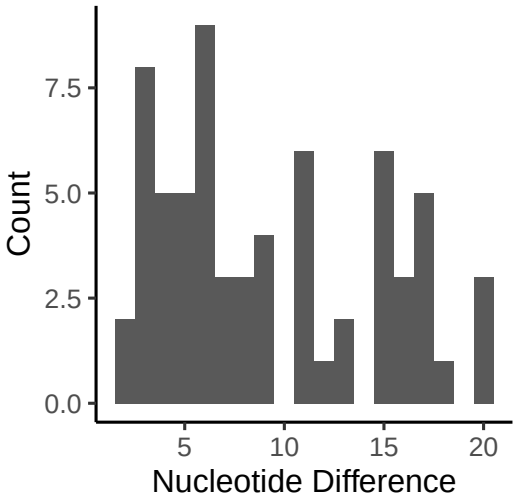
IGHV2−5*02

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



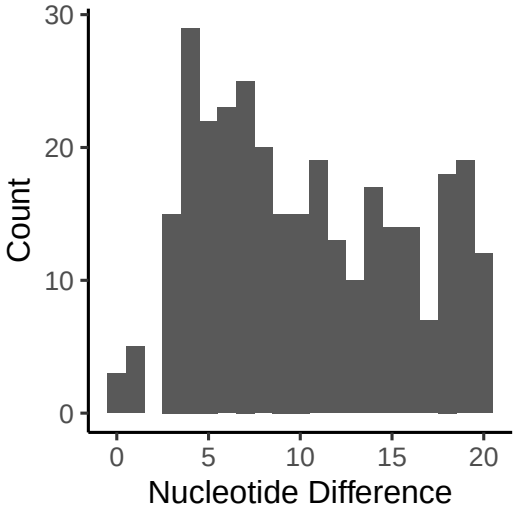
IGHV2−70*11_15

73 sequences assigned
No exact matches.



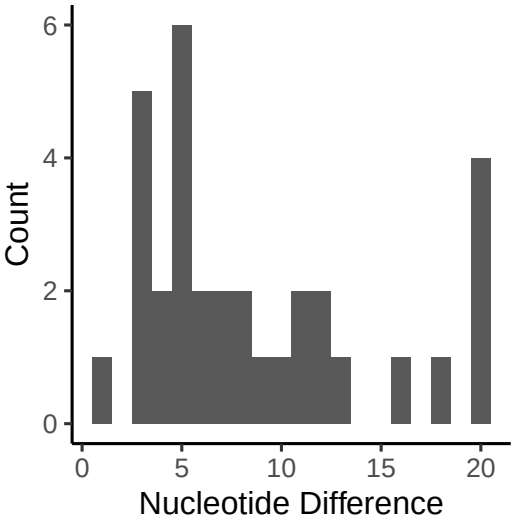
IGHV3−9*01

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



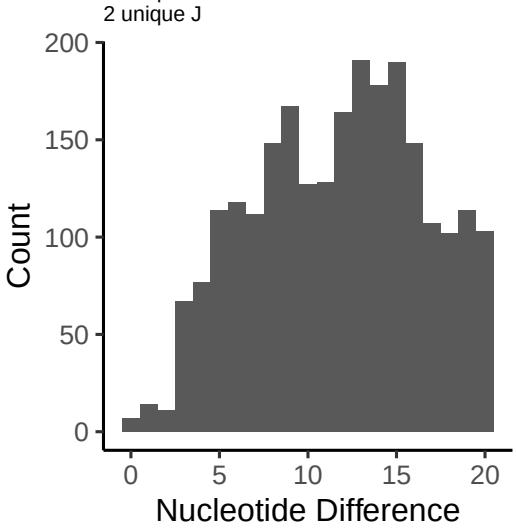
IGHV2−26*01

54 sequences assigned
No exact matches.



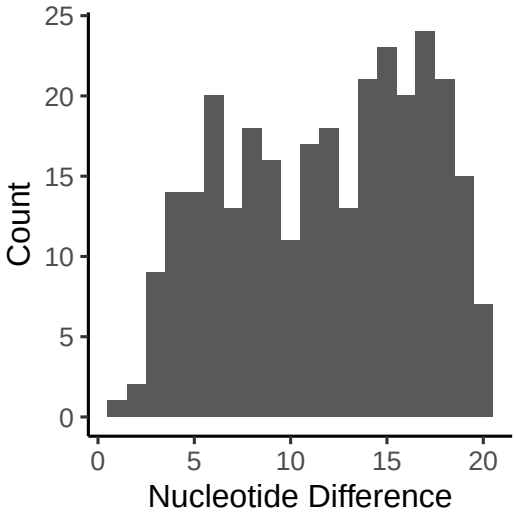
IGHV3−7*01

2865 sequences assigned
7 (0.2%) exact matches, in which:
5 unique CDR3
2 unique J



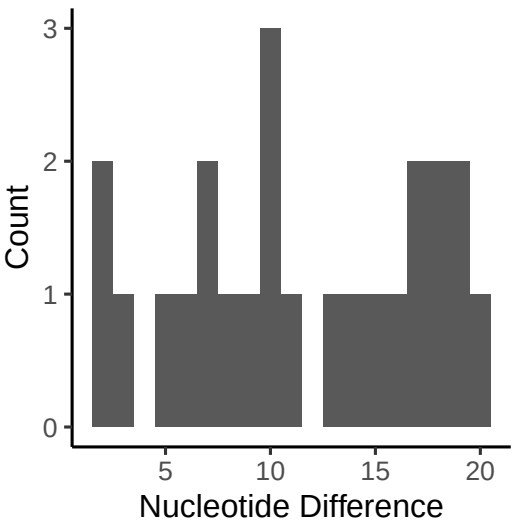
IGHV3−11*01

403 sequences assigned
No exact matches.



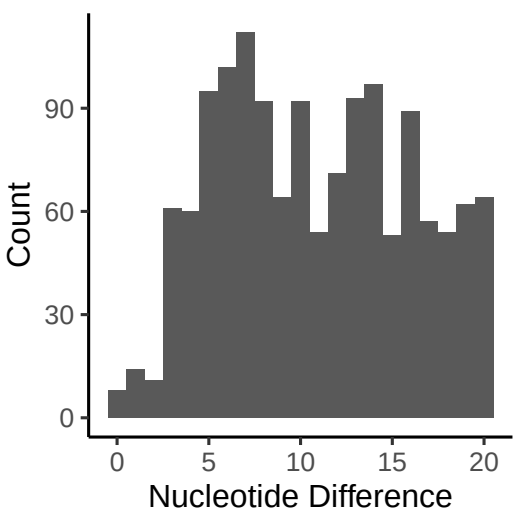
IGHV2−70*01

27 sequences assigned
No exact matches.



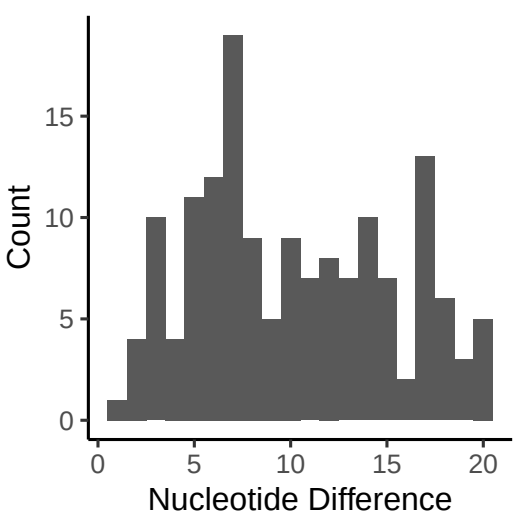
IGHV3−7*03

1642 sequences assigned
8 (0.5%) exact matches, in which:
4 unique CDR3
2 unique J



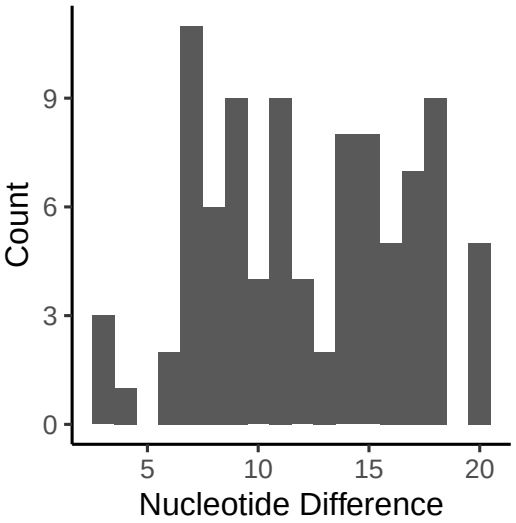
IGHV3−11*06

212 sequences assigned
No exact matches.



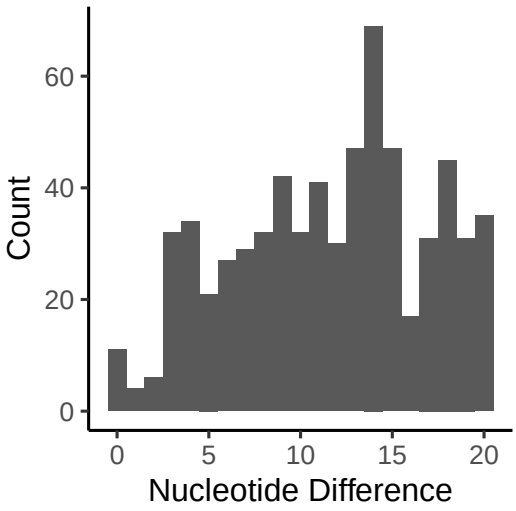
IGHV3−13*01

111 sequences assigned
No exact matches.



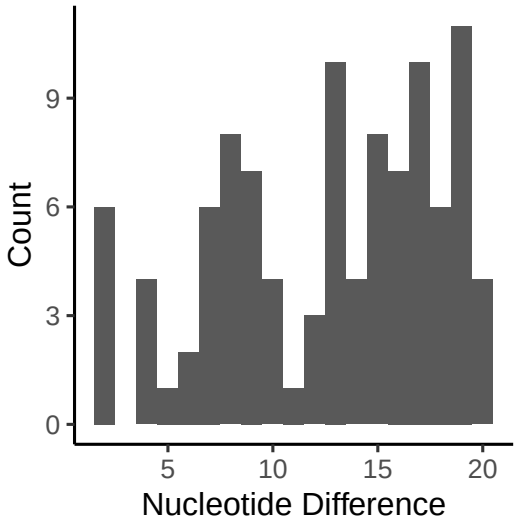
IGHV3−15*01_02

881 sequences assigned
11 (1.2%) exact matches, in which:
7 unique CDR3
2 unique J



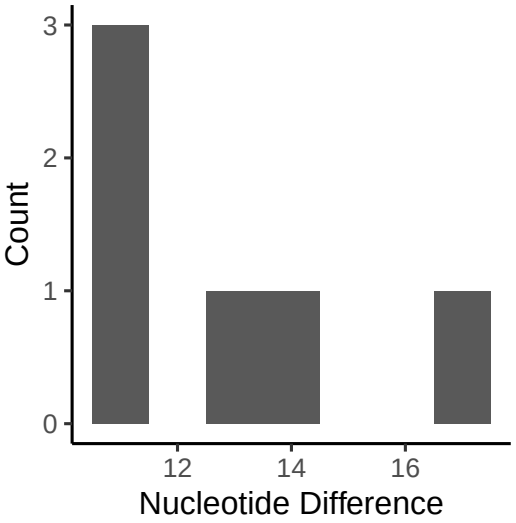
IGHV3−21*06

190 sequences assigned
No exact matches.



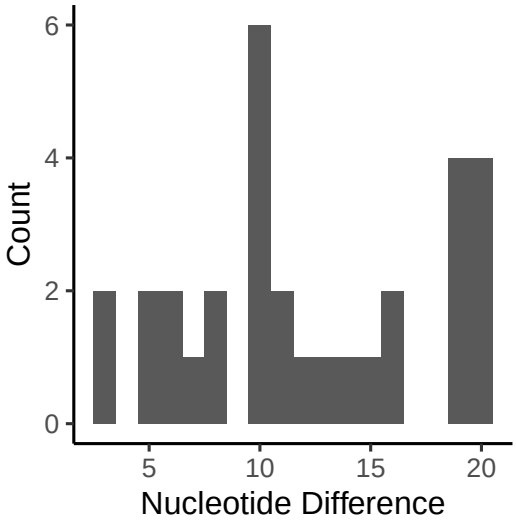
IGHV3−13*04

12 sequences assigned
No exact matches.



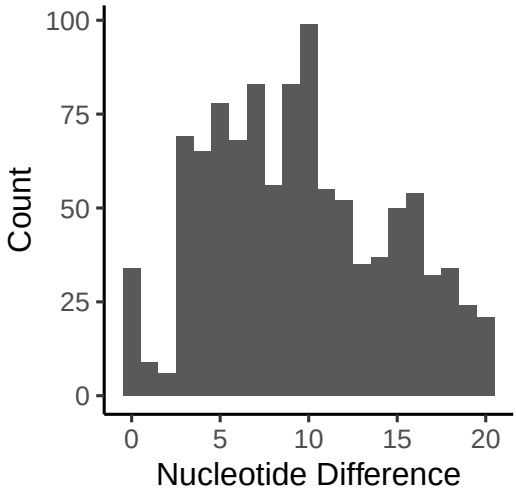
IGHV3−20*01_02

39 sequences assigned
No exact matches.



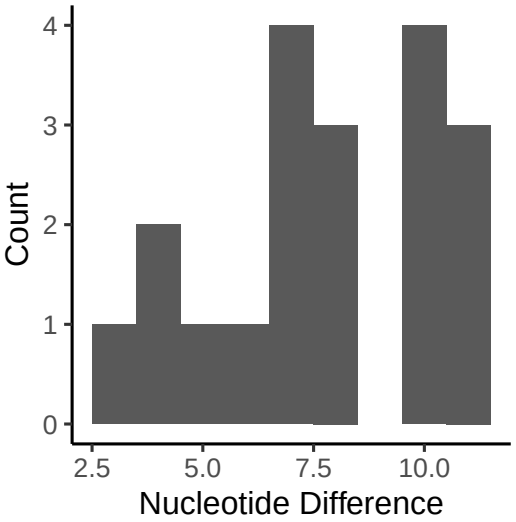
IGHV3−21*01_02

1306 sequences assigned
34 (2.6%) exact matches, in which:
14 unique CDR3
4 unique J



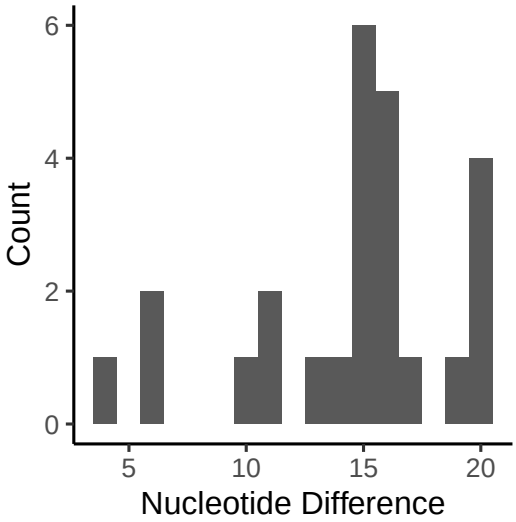
IGHV3−13*05

21 sequences assigned
No exact matches.



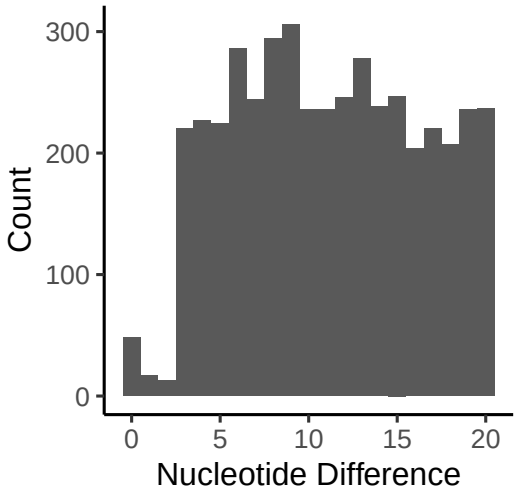
IGHV3−20*03_04

54 sequences assigned
No exact matches.



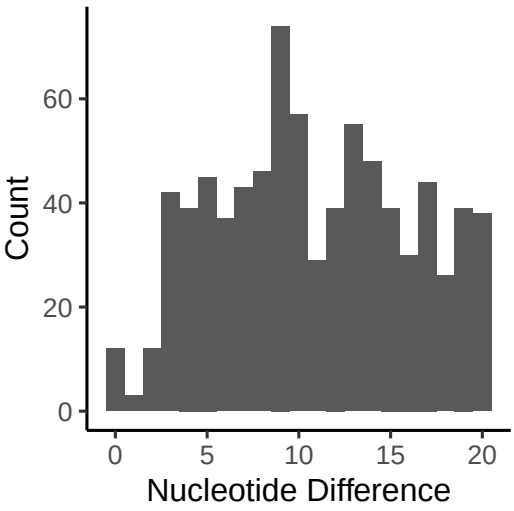
IGHV3−23*01_04

6395 sequences assigned
48 (0.8%) exact matches, in which:
25 unique CDR3
5 unique J



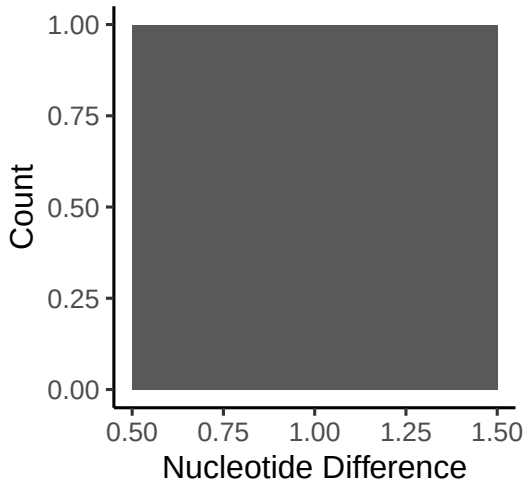
IGHV3−30−3*01

1050 sequences assigned
12 (1.1%) exact matches, in which:
6 unique CDR3
2 unique J



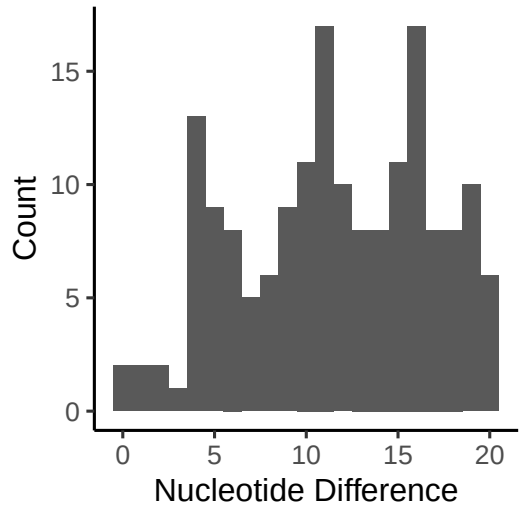
IGHV3−47*02

1 sequences assigned
No exact matches.



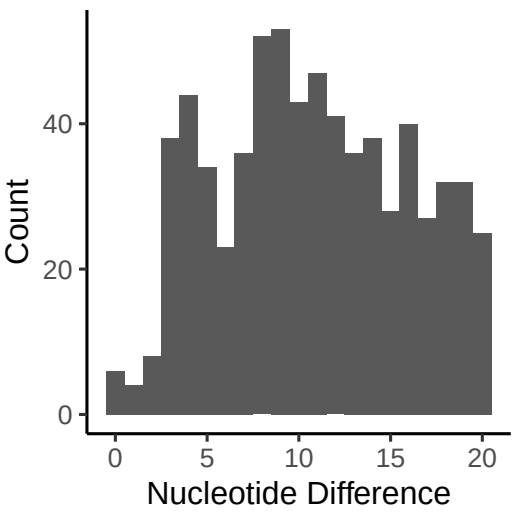
IGHV3−49*03_05

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



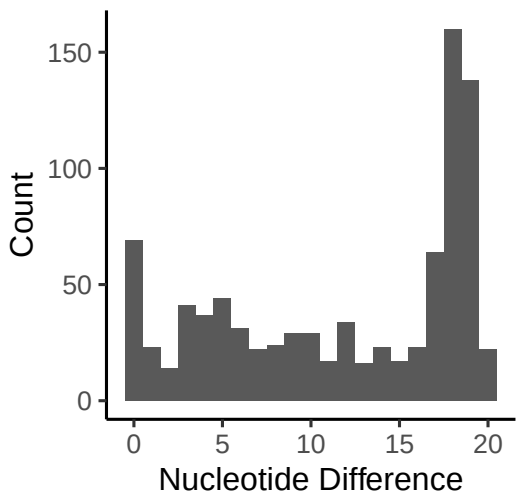
IGHV3−33*01

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



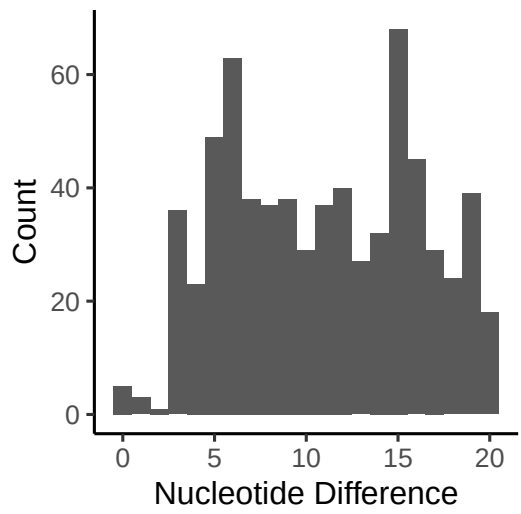
IGHV3−48*01

1024 sequences assigned
69 (6.7%) exact matches, in which:
28 unique CDR3
4 unique J



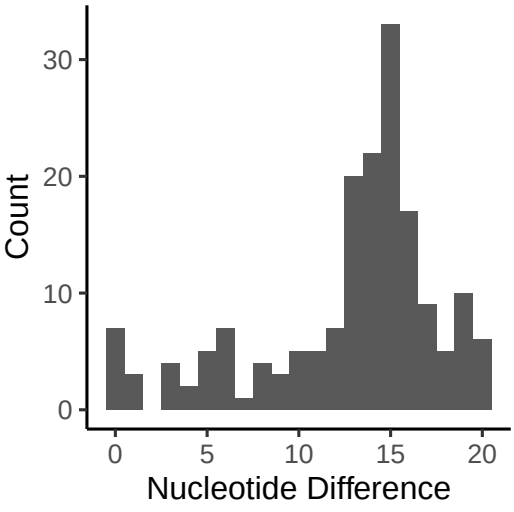
IGHV3−53*01_02

869 sequences assigned
5 (0.6%) exact matches, in which:
4 unique CDR3
3 unique J



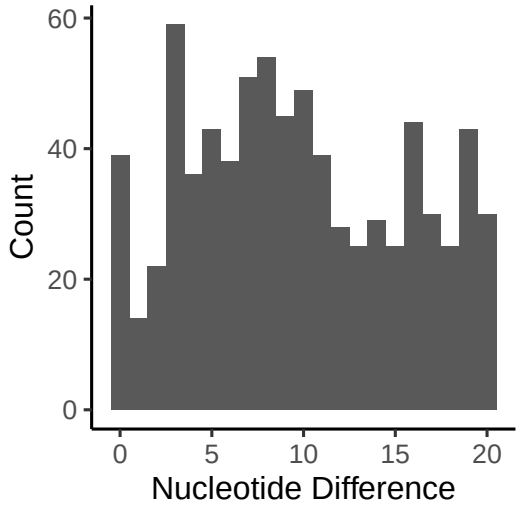
IGHV3−43*01

244 sequences assigned
7 (2.9%) exact matches, in which:
3 unique CDR3
3 unique J



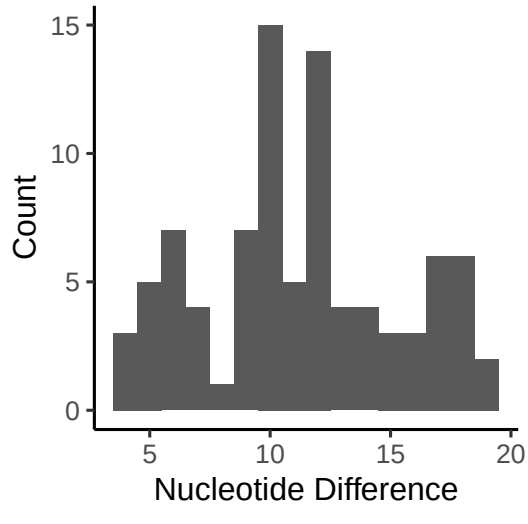
IGHV3−48*02

948 sequences assigned
39 (4.1%) exact matches, in which:
17 unique CDR3
4 unique J



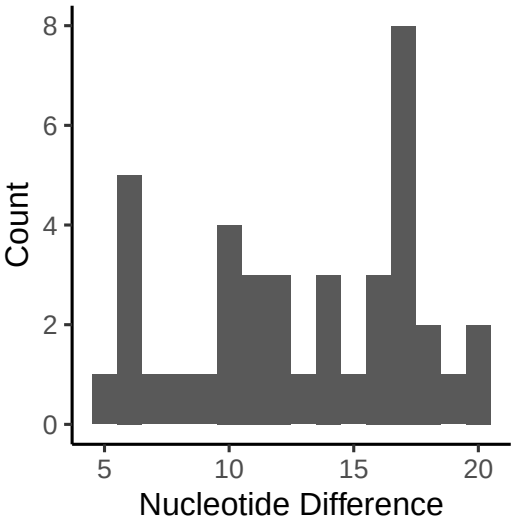
IGHV3−64*01

103 sequences assigned
No exact matches.



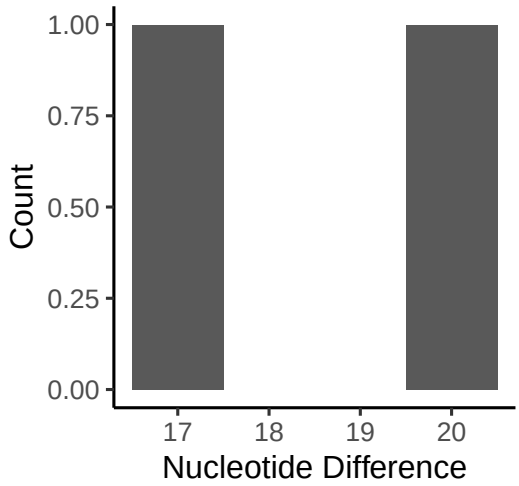
IGHV3−64*02_07

56 sequences assigned
No exact matches.



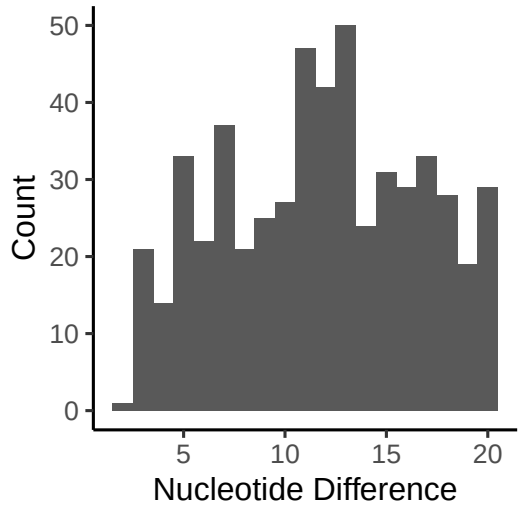
IGHV3−69−1*02

14 sequences assigned
No exact matches.



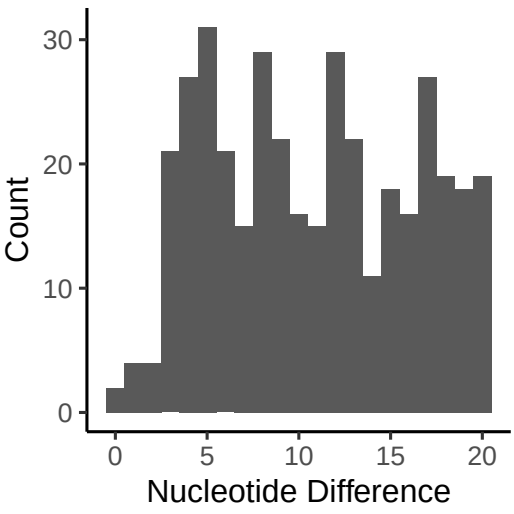
IGHV3−74*03

712 sequences assigned
No exact matches.



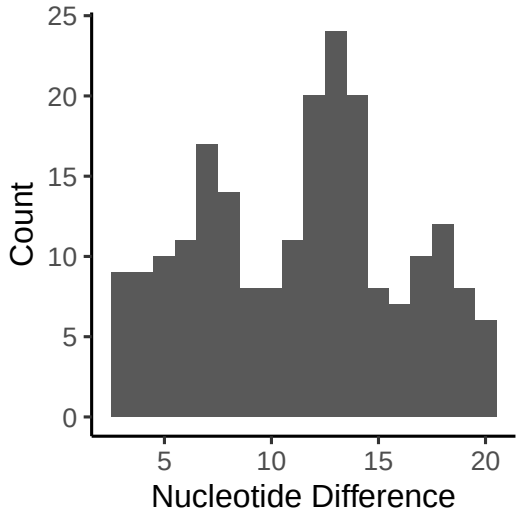
IGHV3−66*01

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



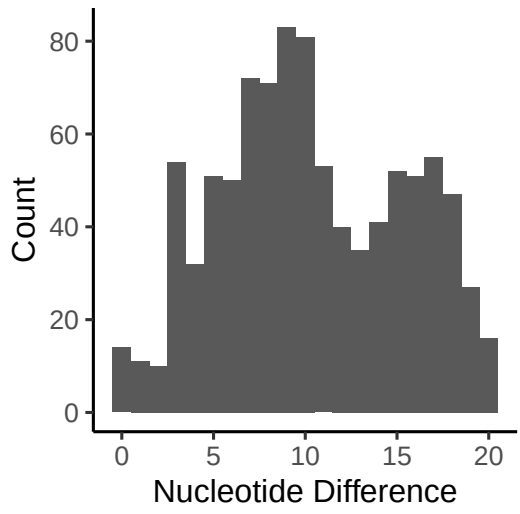
IGHV3−72*01

317 sequences assigned
No exact matches.



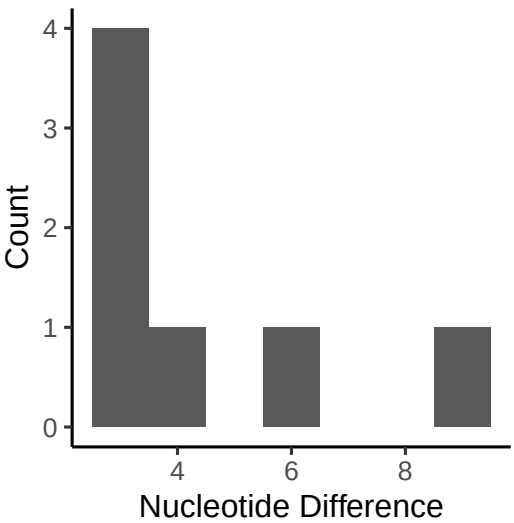
IGHV3−74*01_02

1106 sequences assigned
14 (1.3%) exact matches, in which:
7 unique CDR3
2 unique J



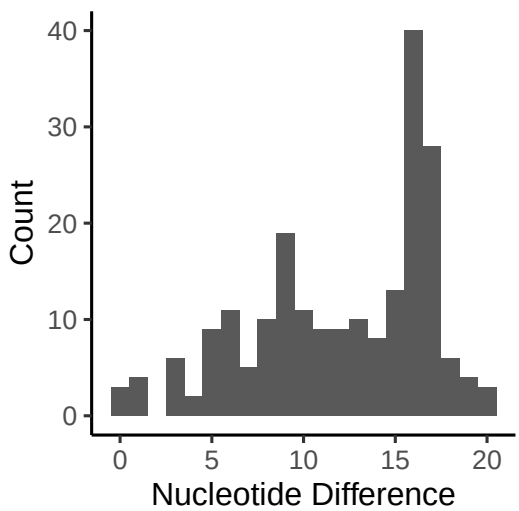
IGHV3−69−1*01

13 sequences assigned
No exact matches.



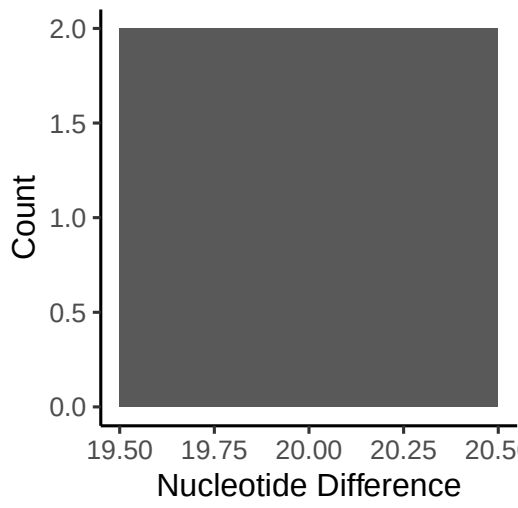
IGHV3−73*01_02

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



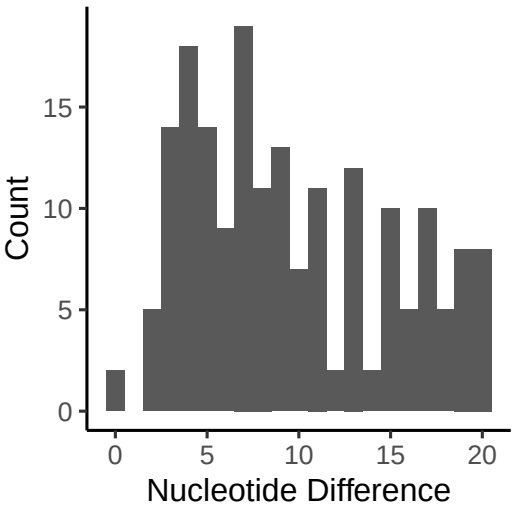
IGHV3−43D*04

3 sequences assigned
No exact matches.



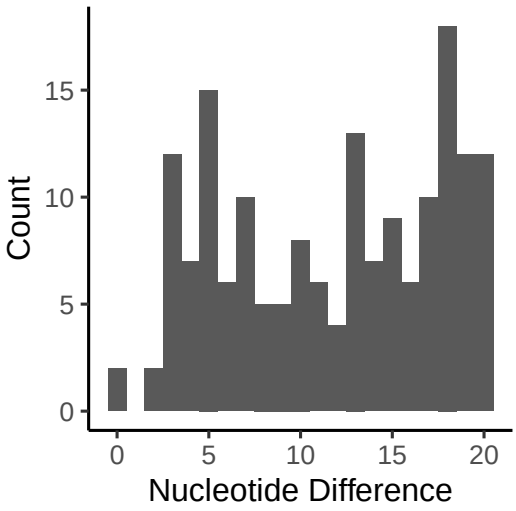
IGHV3−64D*06

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



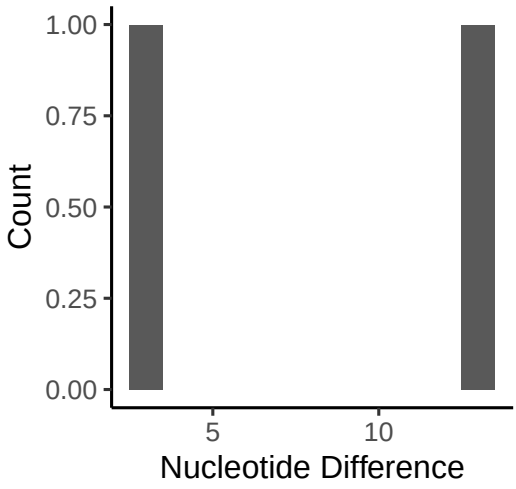
IGHV4−4*02_03

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



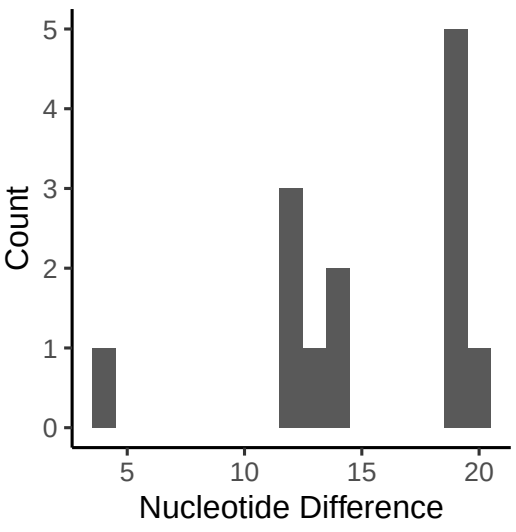
IGHV4−28*02_05

2 sequences assigned
No exact matches.



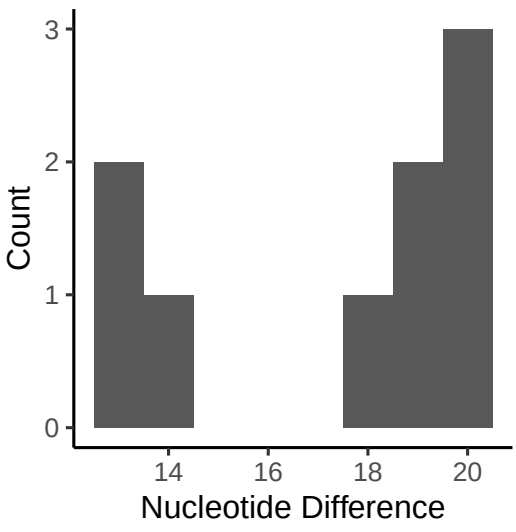
IGHV3−64D*08

33 sequences assigned
No exact matches.



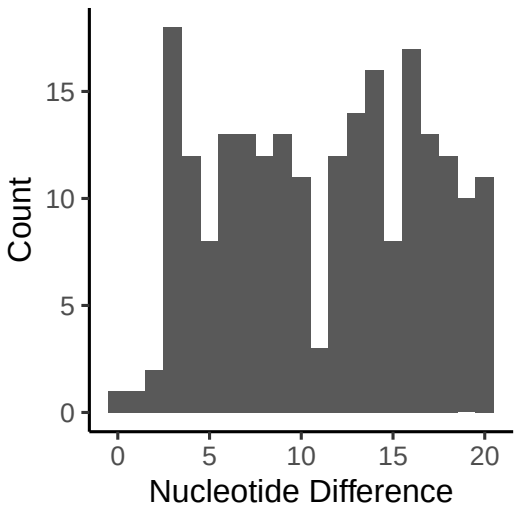
IGHV4−28*03

14 sequences assigned
No exact matches.



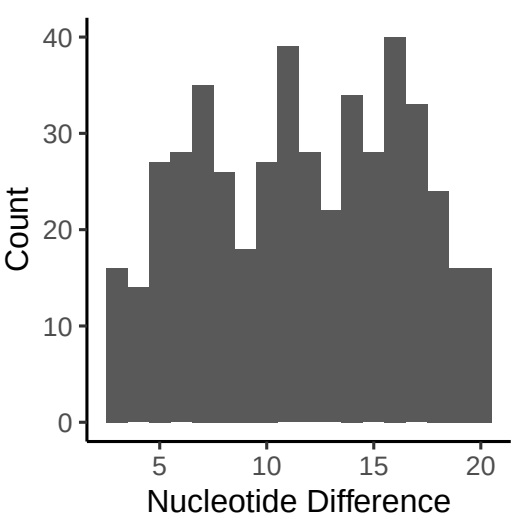
IGHV4−30−4*01

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



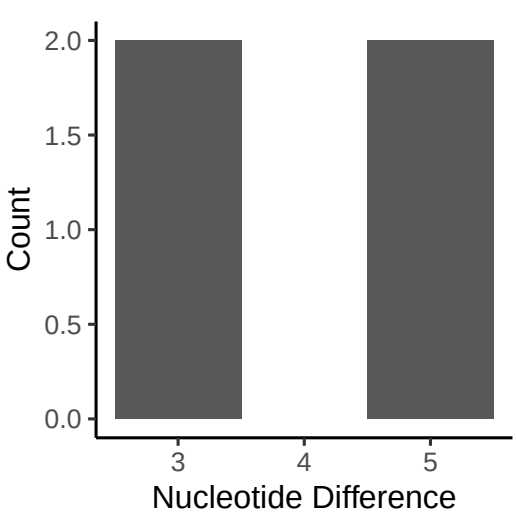
IGHV4−4*07

632 sequences assigned
No exact matches.



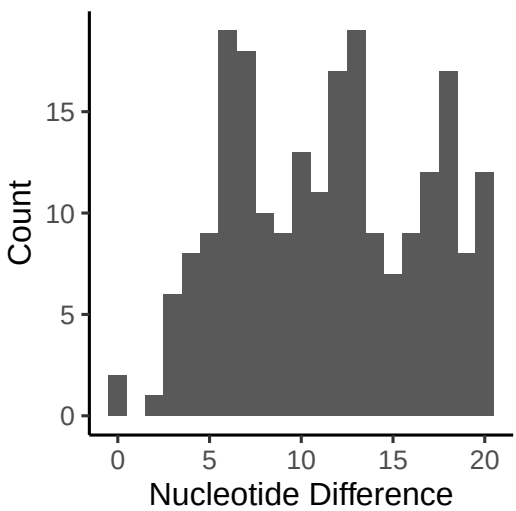
IGHV4−28*01_07

6 sequences assigned
No exact matches.



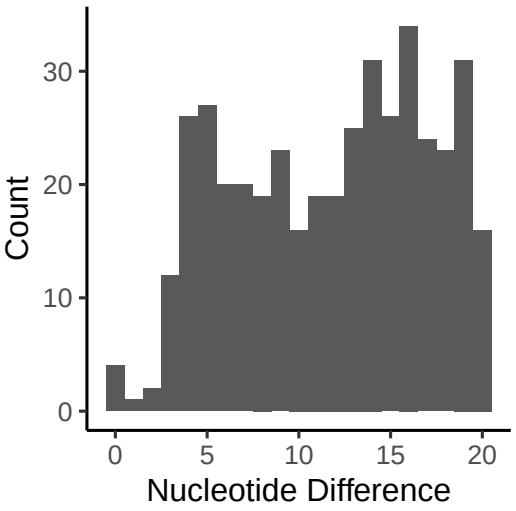
IGHV4−30−2*01

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



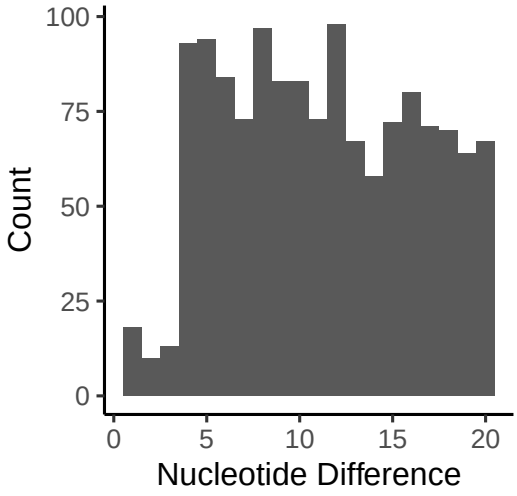
IGHV4−31*02

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



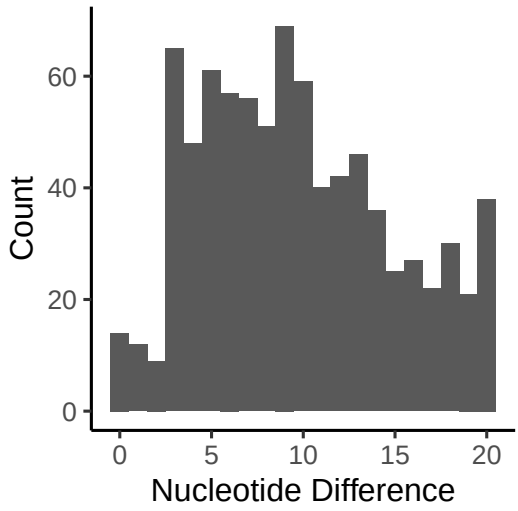
IGHV4−39*02

2033 sequences assigned
No exact matches.



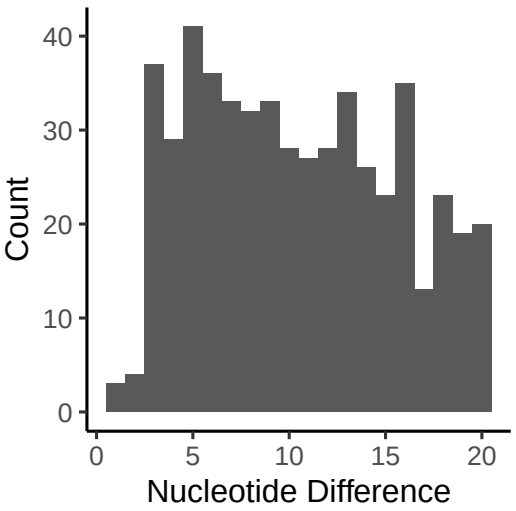
IGHV4−59*01_07

1159 sequences assigned
14 (1.2%) exact matches, in which:
9 unique CDR3
3 unique J



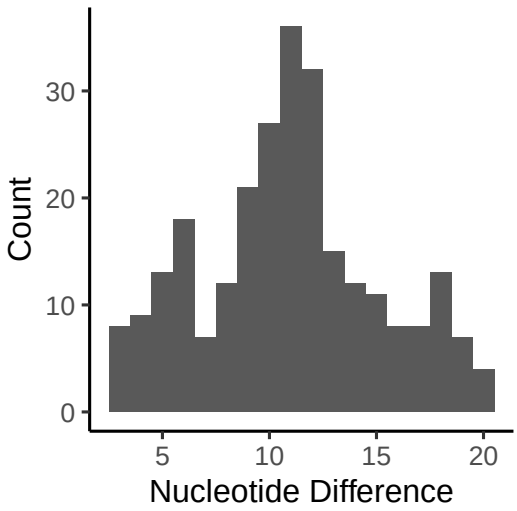
IGHV4−34*01_02

734 sequences assigned
No exact matches.



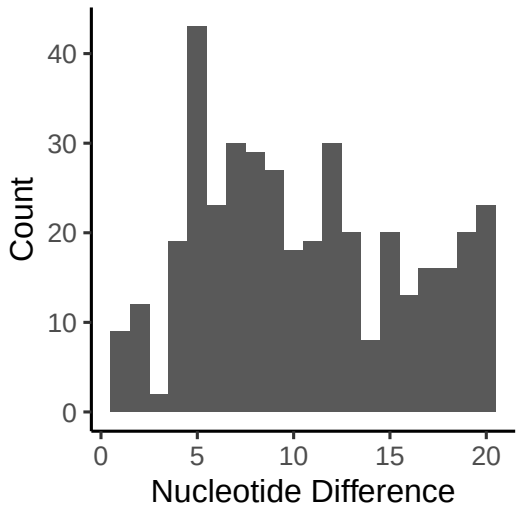
IGHV4−39*01_05

339 sequences assigned
No exact matches.



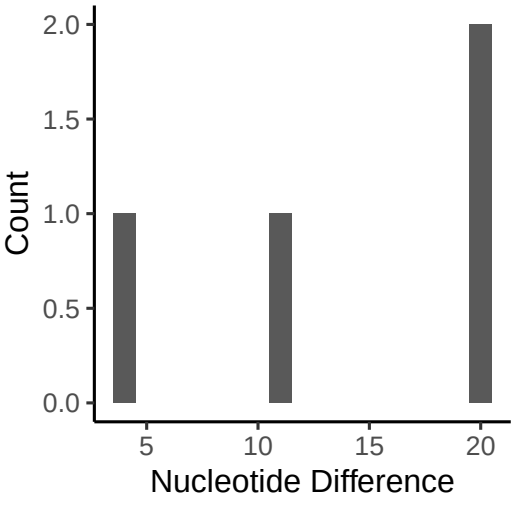
IGHV4−59*11

537 sequences assigned
No exact matches.



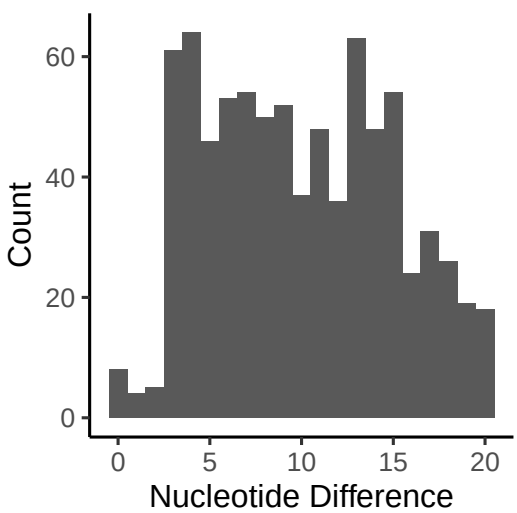
IGHV4−38−2*02

10 sequences assigned
No exact matches.



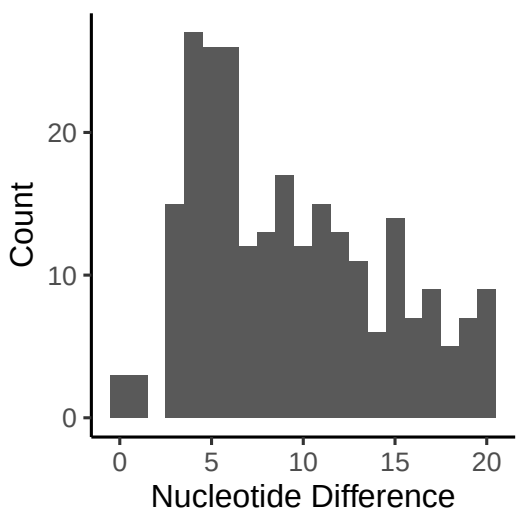
IGHV4−59*08

1008 sequences assigned
8 (0.8%) exact matches, in which:
5 unique CDR3
2 unique J



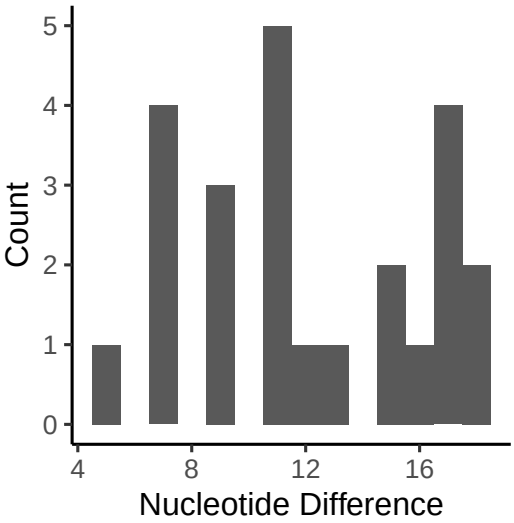
IGHV4−61*01

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



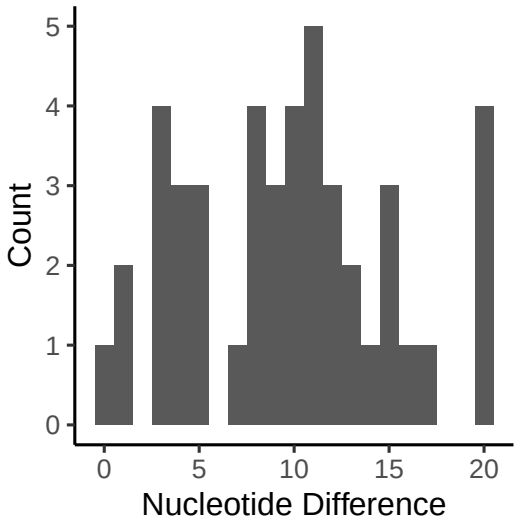
IGHV4−61*08

56 sequences assigned
No exact matches.



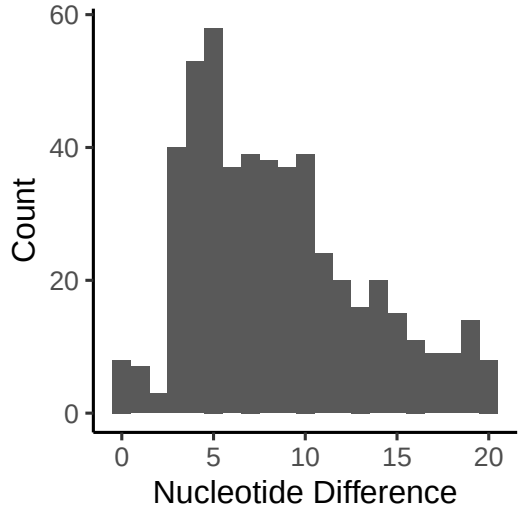
IGHV5−10−1*01_03

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



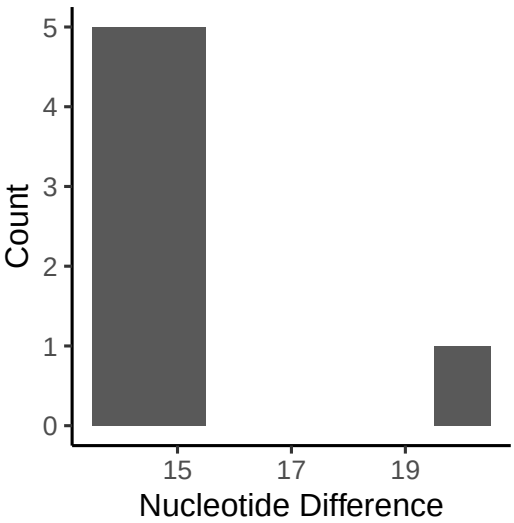
IGHV6−1*01_02

545 sequences assigned
8 (1.5%) exact matches, in which:
8 unique CDR3
3 unique J



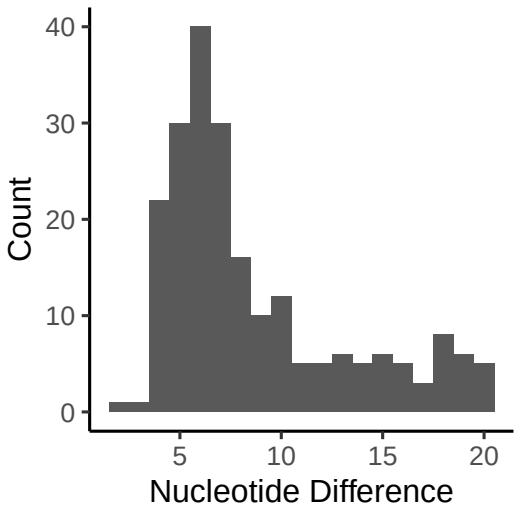
IGHV4/OR15−8*01

12 sequences assigned
No exact matches.



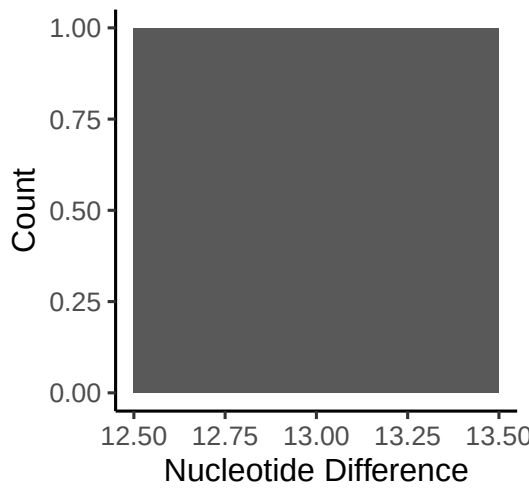
IGHV5−51*07

253 sequences assigned
No exact matches.



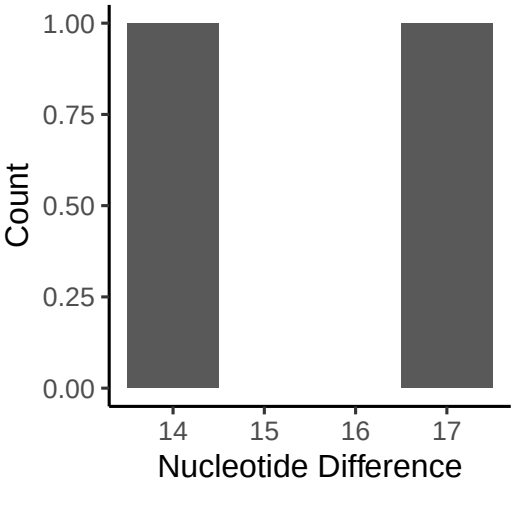
IGHV7−4−1*01

1 sequences assigned
No exact matches.



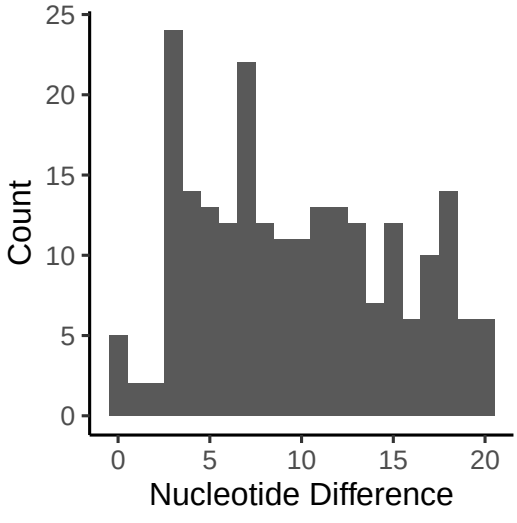
IGHV4/OR15−8*02

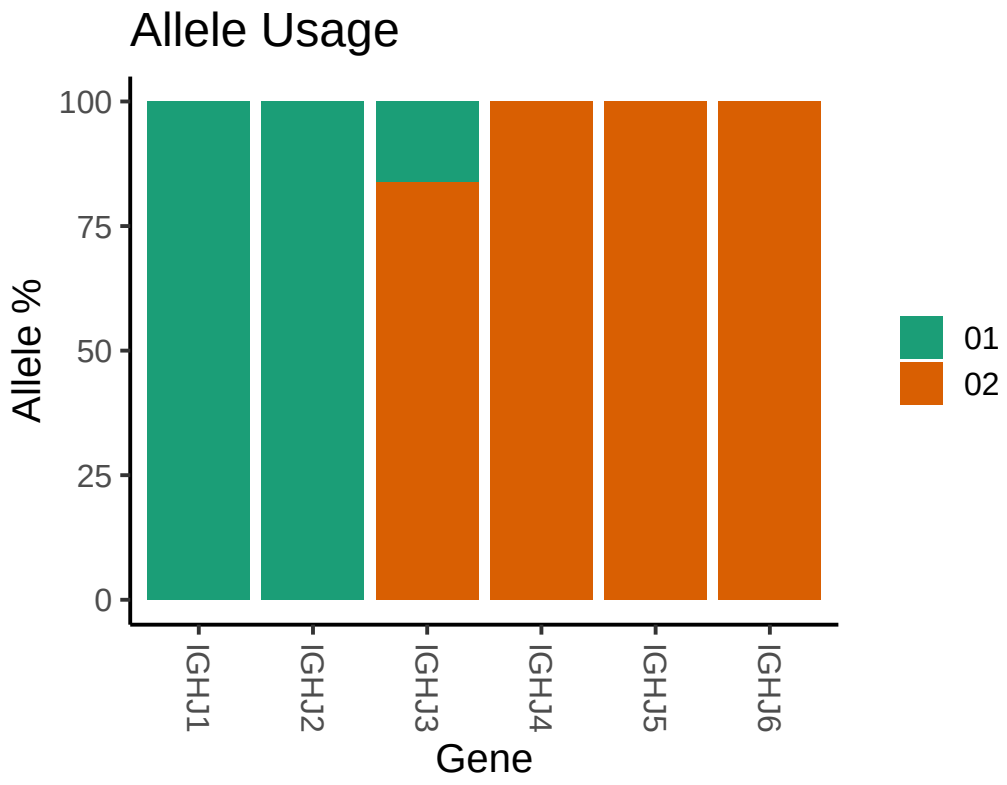
24 sequences assigned
No exact matches.



IGHV5−51*01_03

269 sequences assigned
5 (1.9%) exact matches, in which:
5 unique CDR3
2 unique J




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.