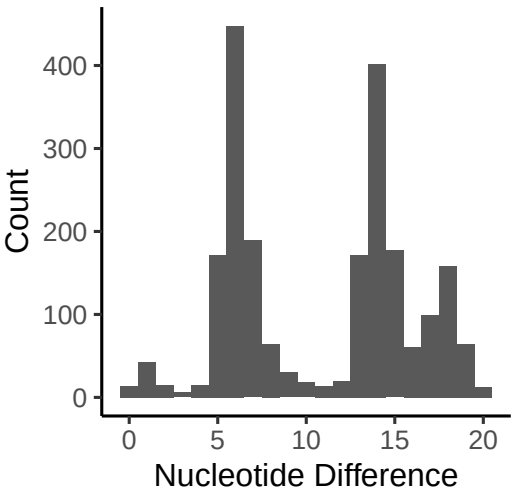
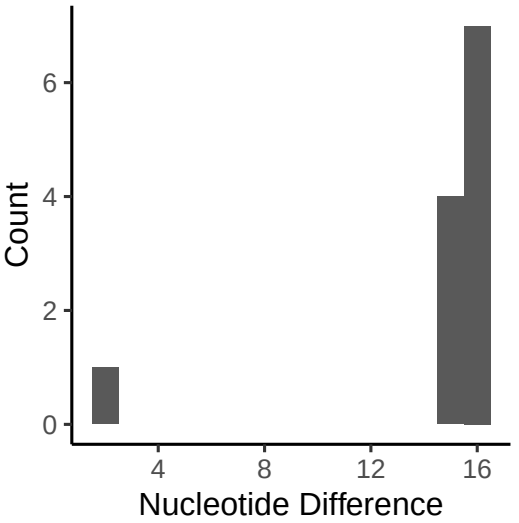
IGHV1−2*02

2464 sequences assigned
14 (0.6%) exact matches, in which:
14 unique CDR3
3 unique J



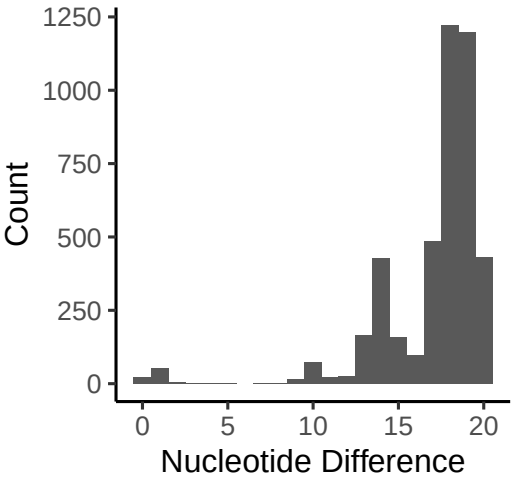
IGHV1−3*04

12 sequences assigned
No exact matches.



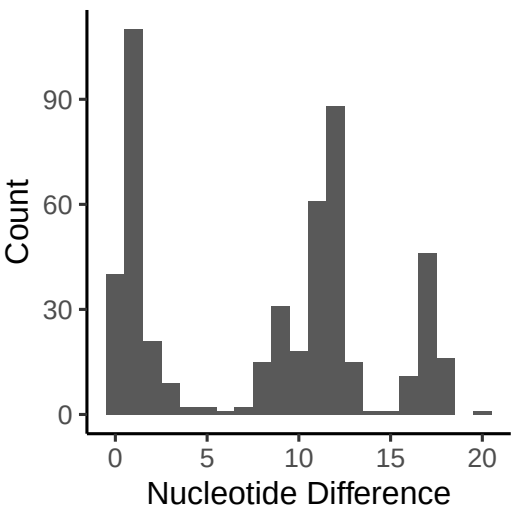
IGHV1−18*01

5372 sequences assigned
22 (0.4%) exact matches, in which:
15 unique CDR3
2 unique J



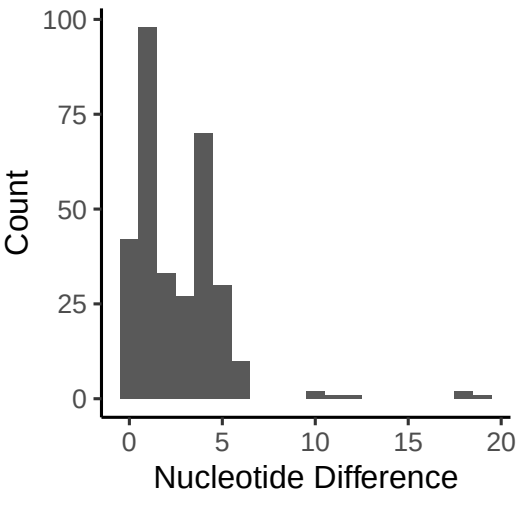
IGHV1−2*04

495 sequences assigned
40 (8.1%) exact matches, in which:
24 unique CDR3
2 unique J



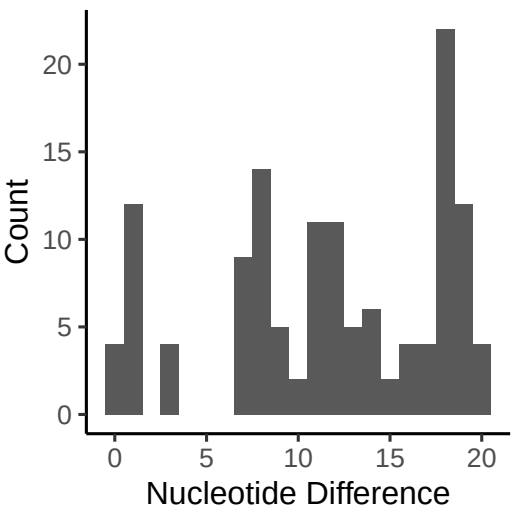
IGHV1−3*01_05

318 sequences assigned
42 (13.2%) exact matches, in which:
29 unique CDR3
2 unique J



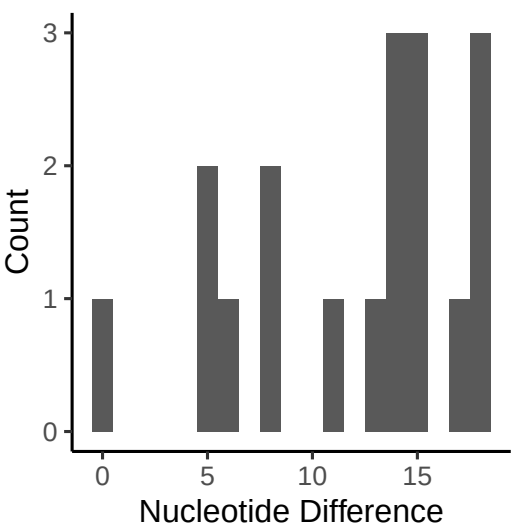
IGHV1−18*04

163 sequences assigned
4 (2.5%) exact matches, in which:
3 unique CDR3
3 unique J



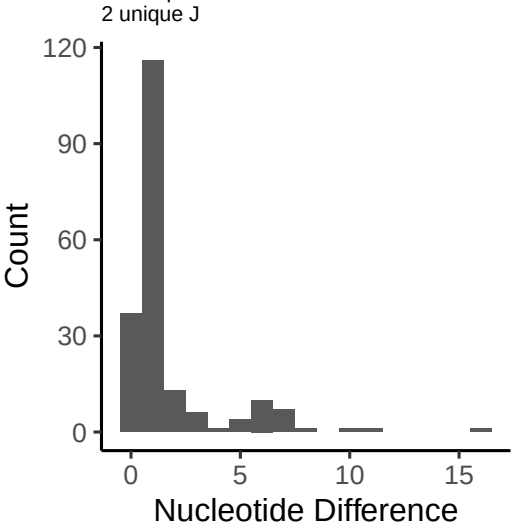
IGHV1−2*06

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



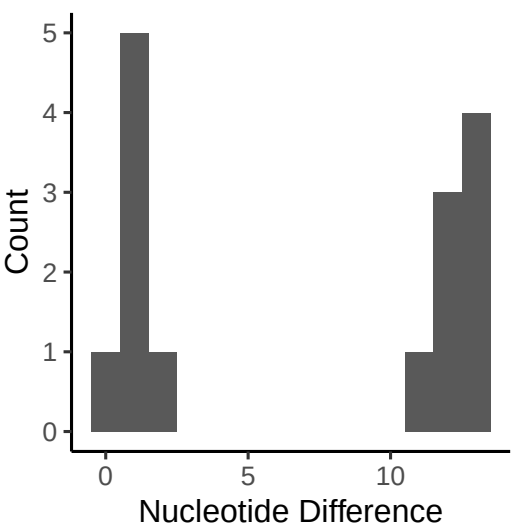
IGHV1−8*01

199 sequences assigned
37 (18.6%) exact matches, in which:
24 unique CDR3
2 unique J



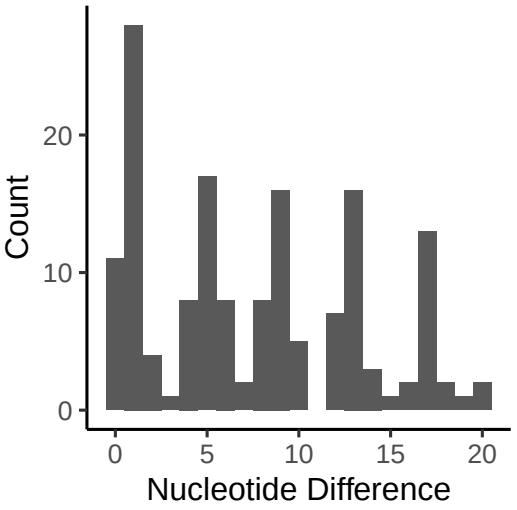
IGHV1−24*01

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



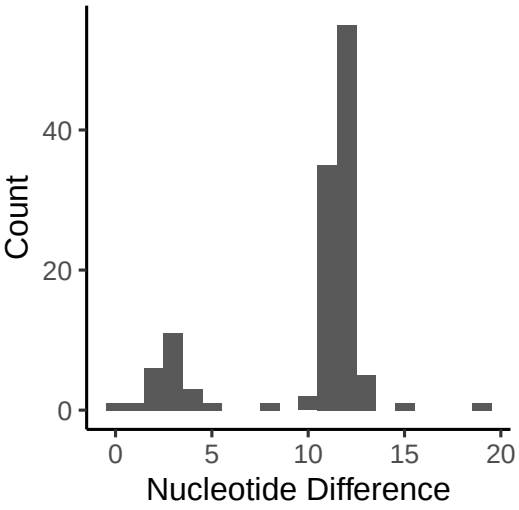
IGHV1−46*01

252 sequences assigned
11 (4.4%) exact matches, in which:
9 unique CDR3
2 unique J



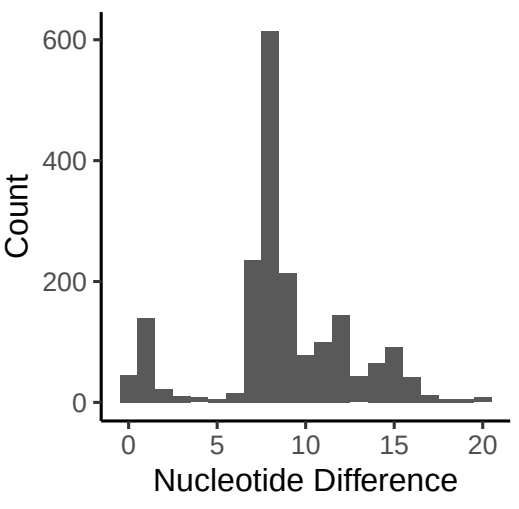
IGHV1−69*06_14

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



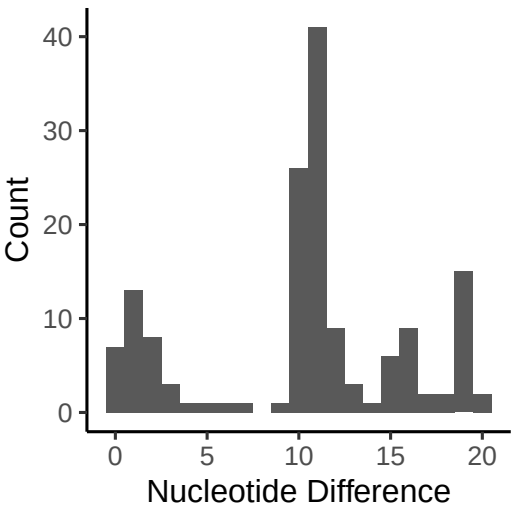
IGHV3−7*01

1922 sequences assigned
45 (2.3%) exact matches, in which:
23 unique CDR3
3 unique J



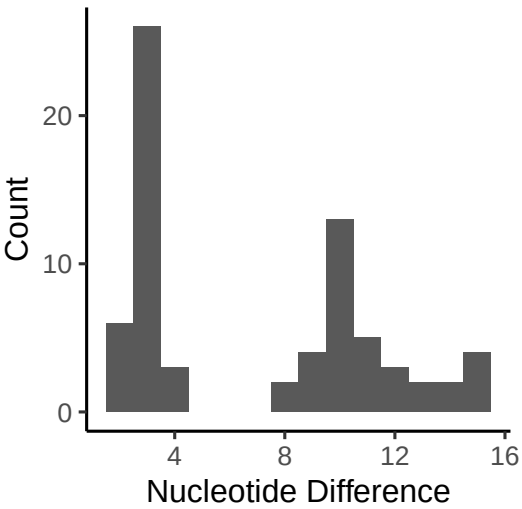
IGHV1−69*01_12_13

158 sequences assigned
7 (4.4%) exact matches, in which:
7 unique CDR3
3 unique J



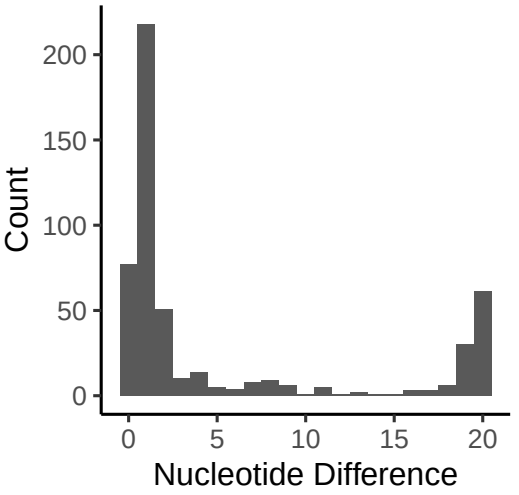
IGHV2−5*01

70 sequences assigned
No exact matches.



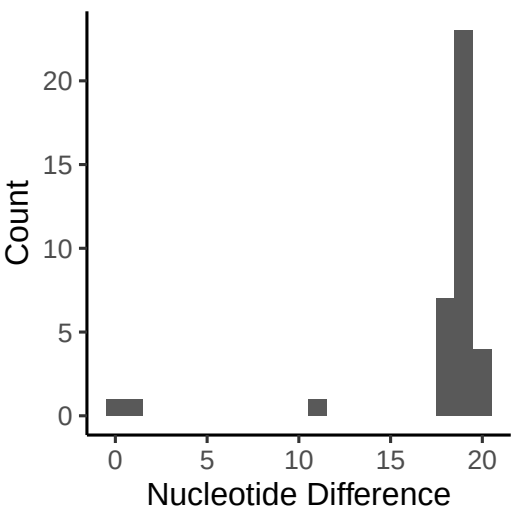
IGHV3−7*03

1848 sequences assigned
77 (4.2%) exact matches, in which:
45 unique CDR3
2 unique J



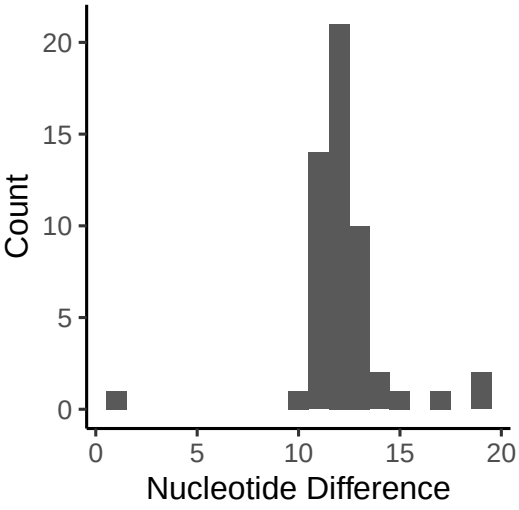
IGHV1−69*04_09

37 sequences assigned
1 (2.7%) exact matches, in which:
1 unique CDR3
1 unique J



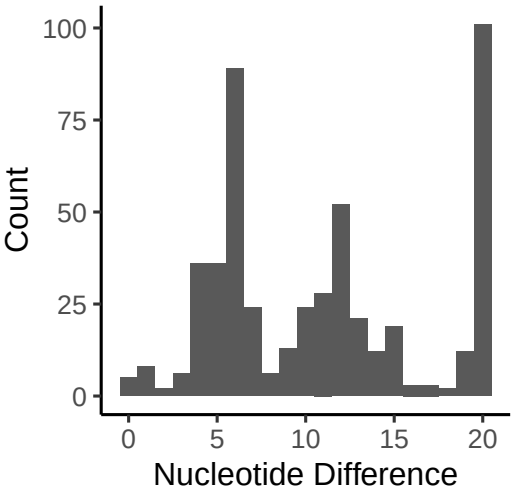
IGHV2−5*02

62 sequences assigned
No exact matches.



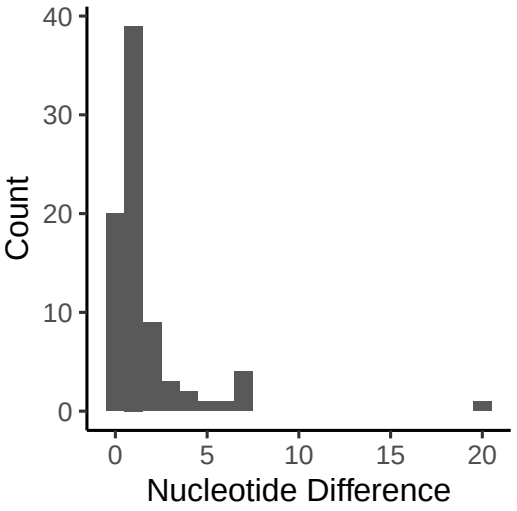
IGHV3−9*01

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



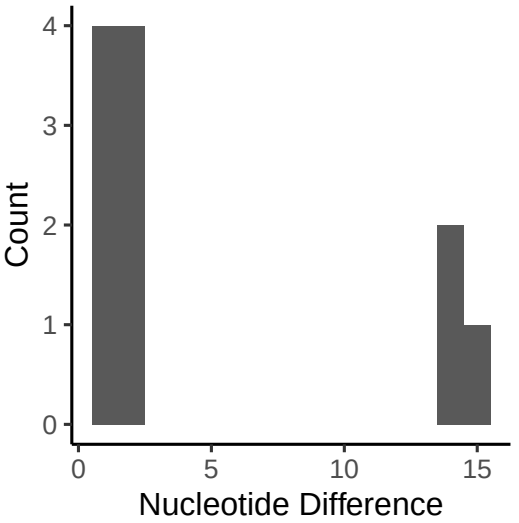
IGHV3−9*03

80 sequences assigned
20 (25%) exact matches, in which:
11 unique CDR3
2 unique J



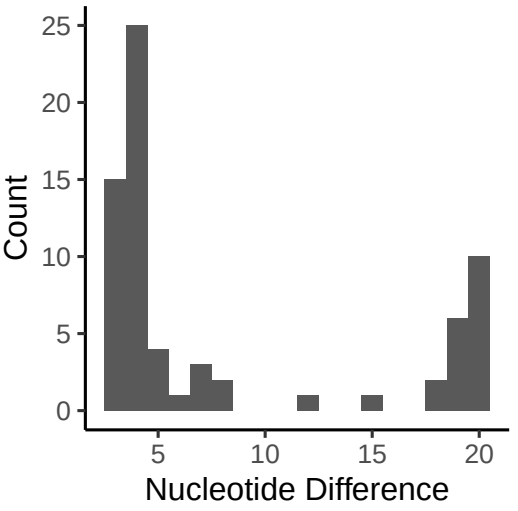
IGHV3−11*03_05

12 sequences assigned
No exact matches.



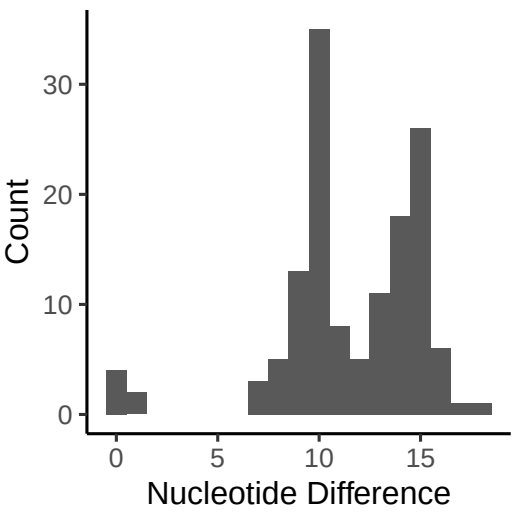
IGHV3−15*01_02

315 sequences assigned
No exact matches.



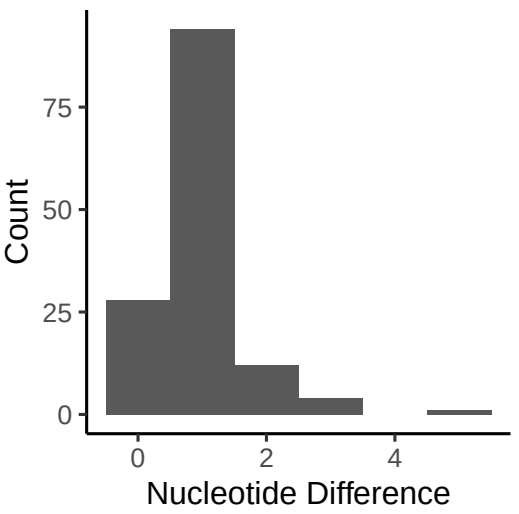
IGHV3−11*01

138 sequences assigned
4 (2.9%) exact matches, in which:
3 unique CDR3
2 unique J



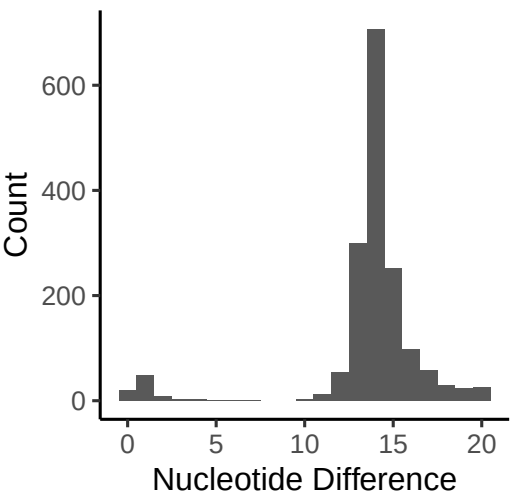
IGHV3−13*01

139 sequences assigned
28 (20.1%) exact matches, in which:
15 unique CDR3
1 unique J



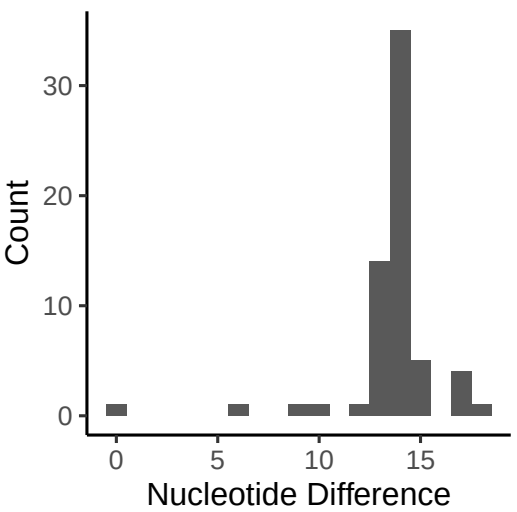
IGHV3−21*01_02

1699 sequences assigned
20 (1.2%) exact matches, in which:
11 unique CDR3
2 unique J



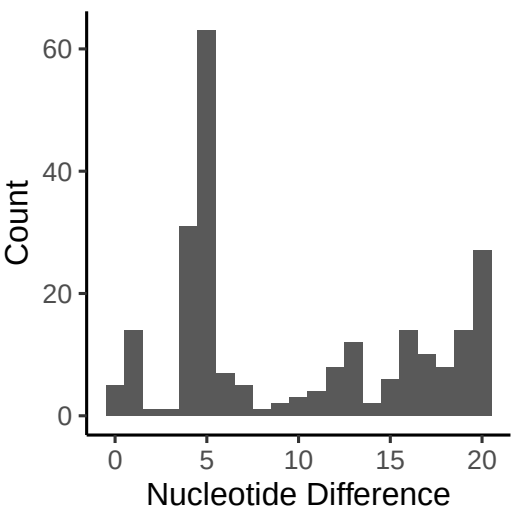
IGHV3−11*04

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



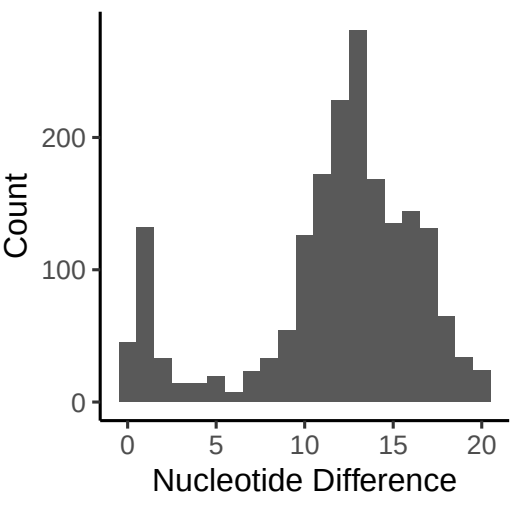
IGHV3−15*07

242 sequences assigned
5 (2.1%) exact matches, in which:
2 unique CDR3
1 unique J



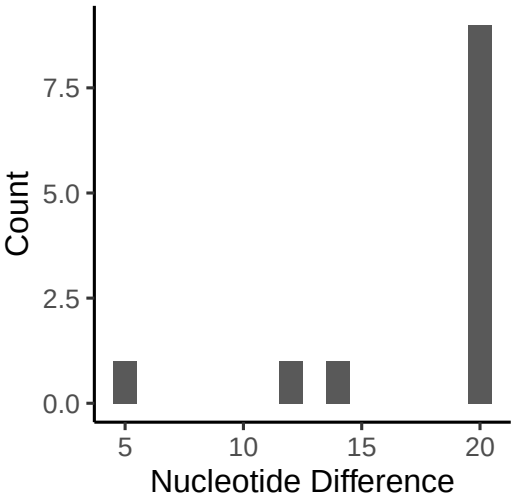
IGHV3−23*01_04

2838 sequences assigned
45 (1.6%) exact matches, in which:
26 unique CDR3
3 unique J



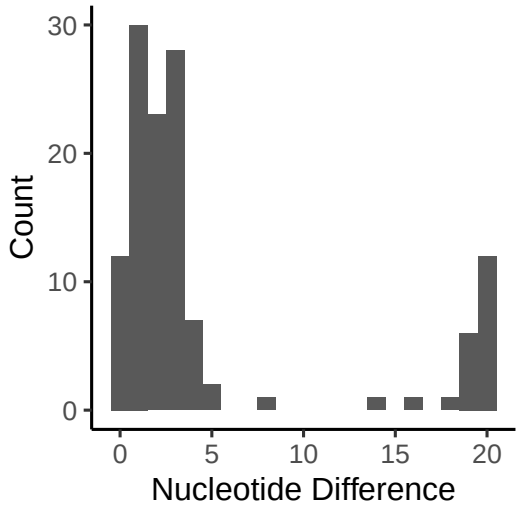
IGHV3−30−3*01

37 sequences assigned
No exact matches.



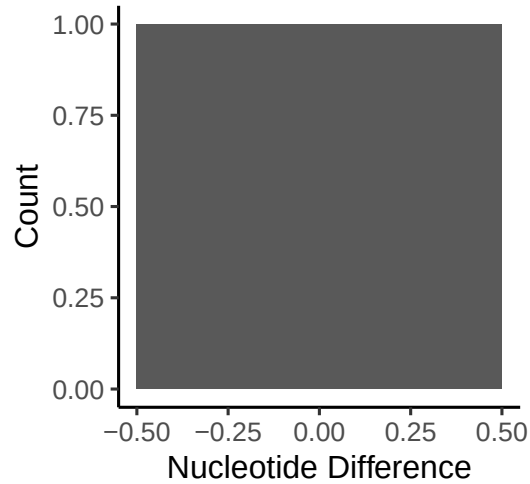
IGHV3−33*01

130 sequences assigned
12 (9.2%) exact matches, in which:
5 unique CDR3
1 unique J



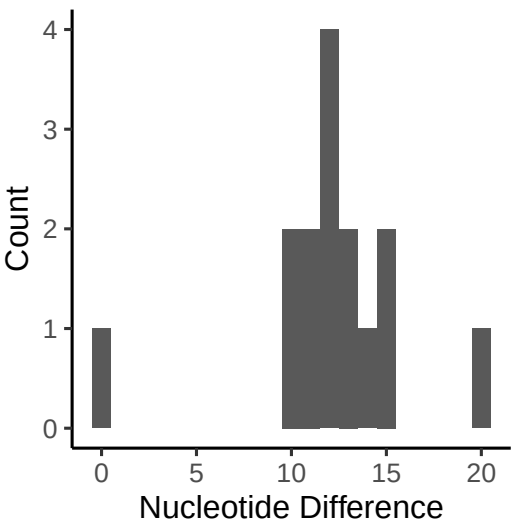
IGHV3−43*01

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



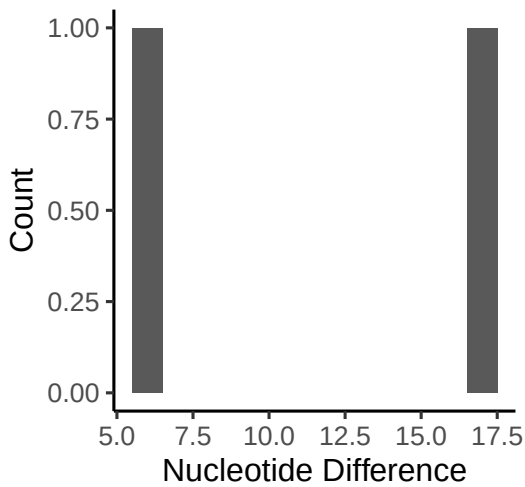
IGHV3−30*03

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



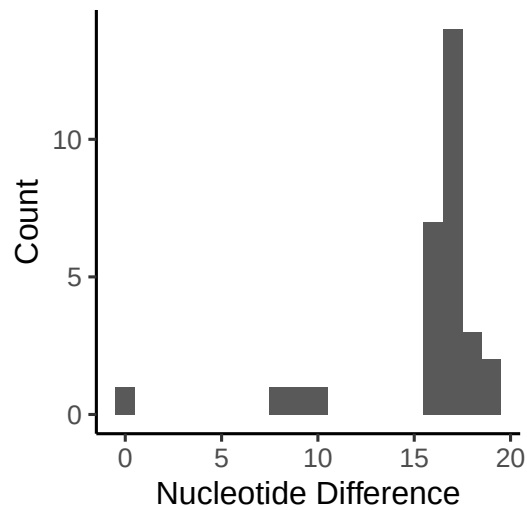
IGHV3−33*03

2 sequences assigned
No exact matches.



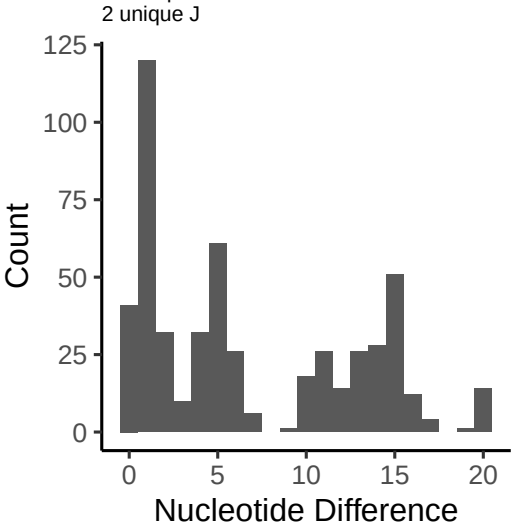
IGHV3−48*01

30 sequences assigned
1 (3.3%) exact matches, in which:
1 unique CDR3
1 unique J



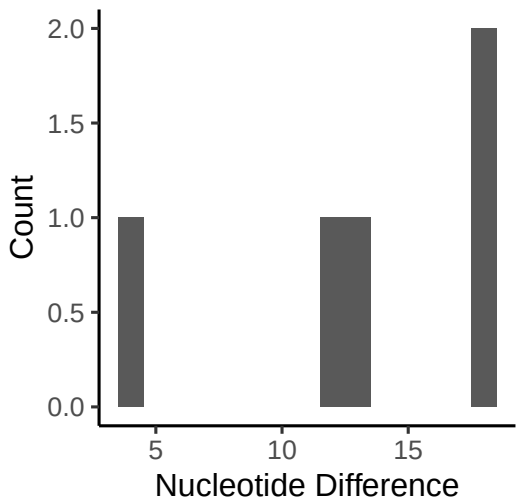
IGHV3−30*18

648 sequences assigned
41 (6.3%) exact matches, in which:
21 unique CDR3
2 unique J



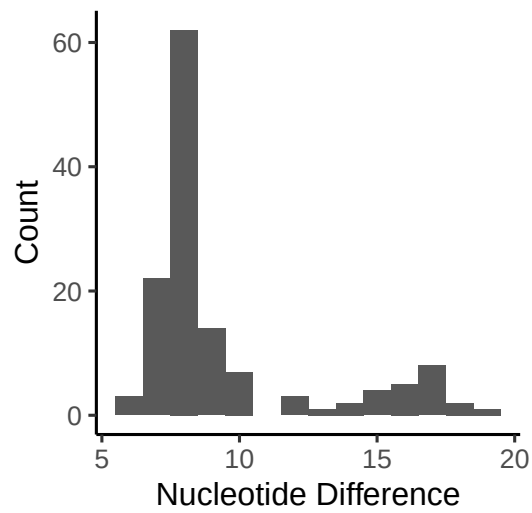
IGHV3−33*08

5 sequences assigned
No exact matches.



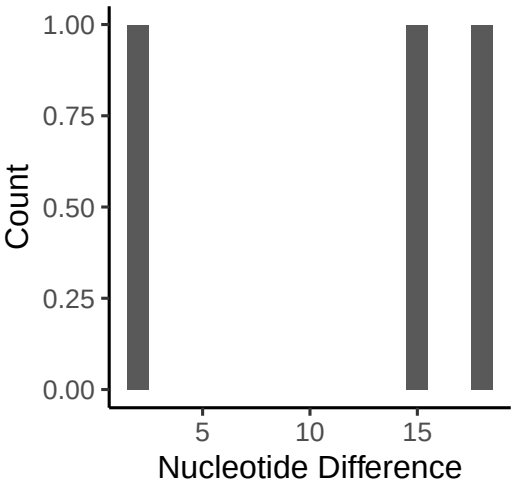
IGHV3−48*02

160 sequences assigned
No exact matches.



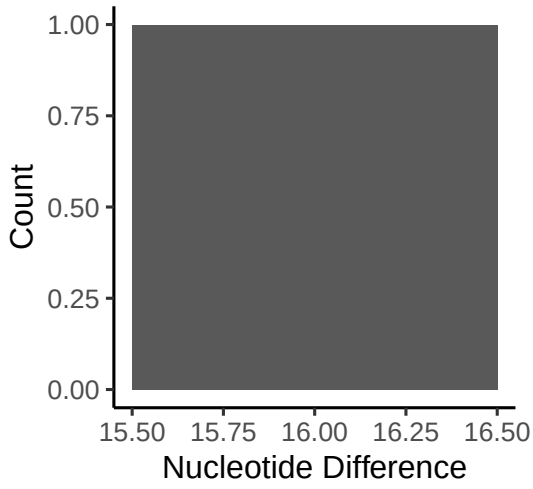
IGHV3−48*03

3 sequences assigned
No exact matches.



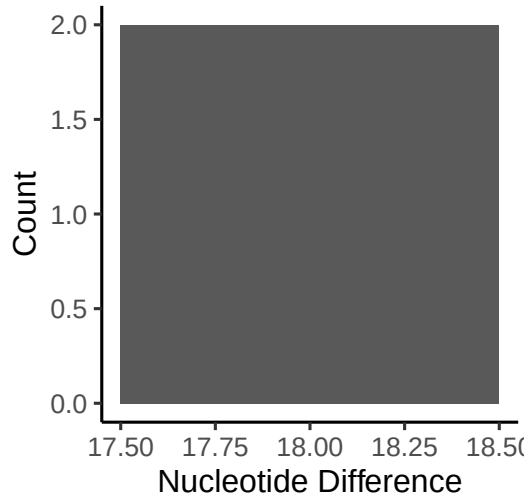
IGHV3−53*05

2 sequences assigned
No exact matches.



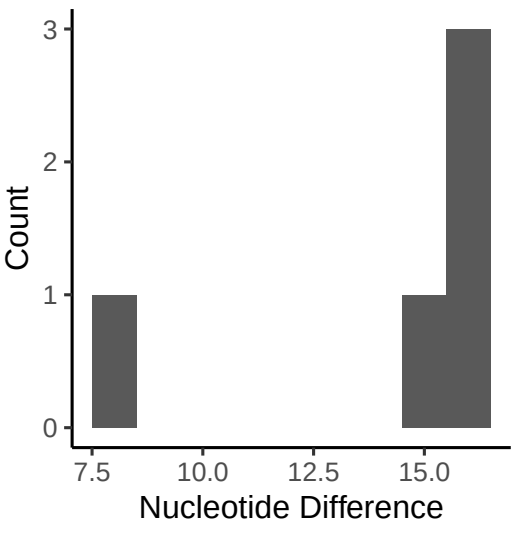
IGHV3−64*04

25 sequences assigned
No exact matches.



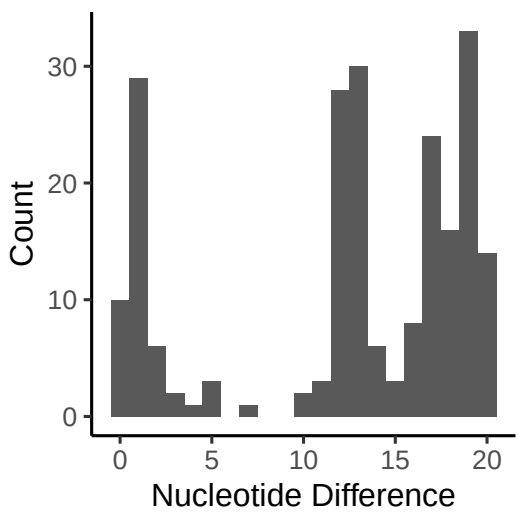
IGHV3−48*04

5 sequences assigned
No exact matches.



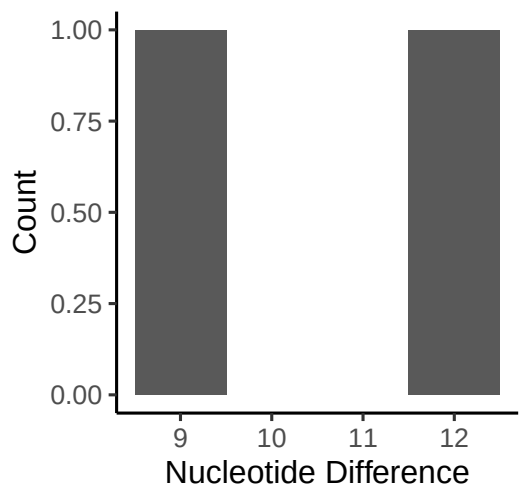
IGHV3−53*01_02

231 sequences assigned
10 (4.3%) exact matches, in which:
6 unique CDR3
1 unique J



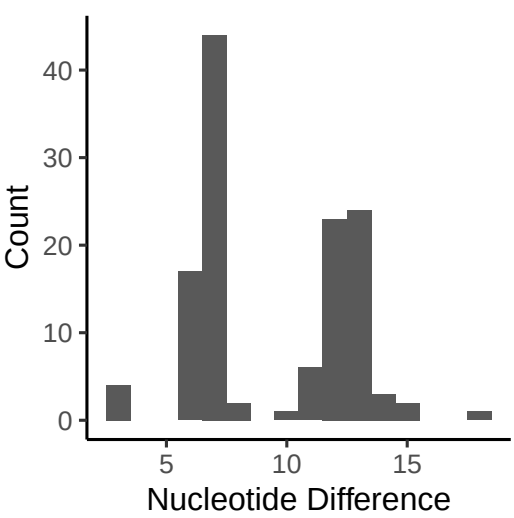
IGHV3−66*01

3 sequences assigned
No exact matches.



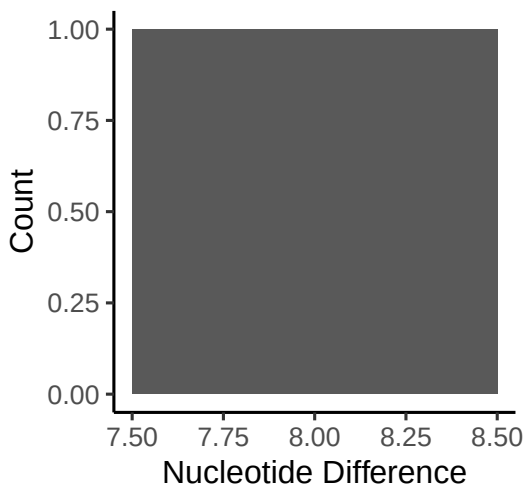
IGHV3−49*03_05

149 sequences assigned
No exact matches.



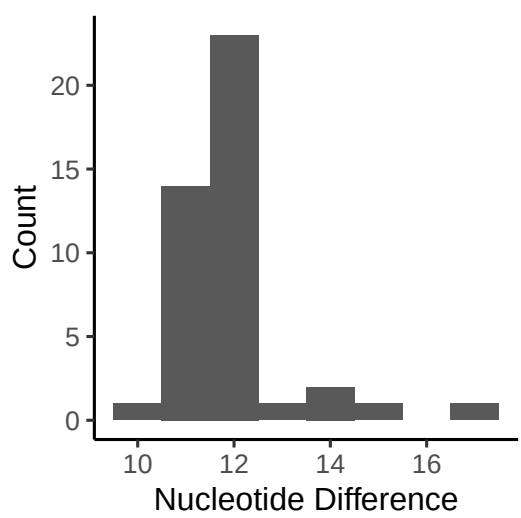
IGHV3−64*01

1 sequences assigned
No exact matches.



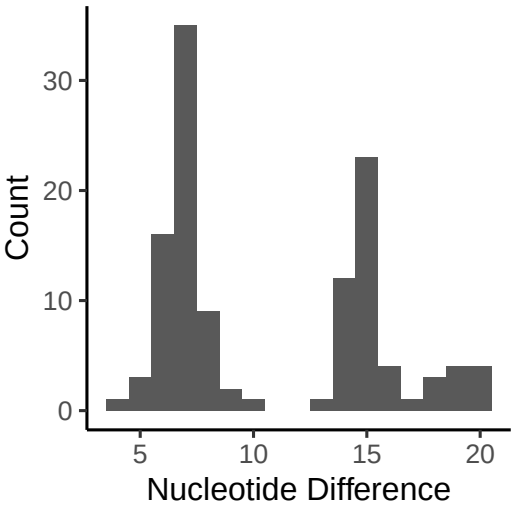
IGHV3−66*02

107 sequences assigned
No exact matches.



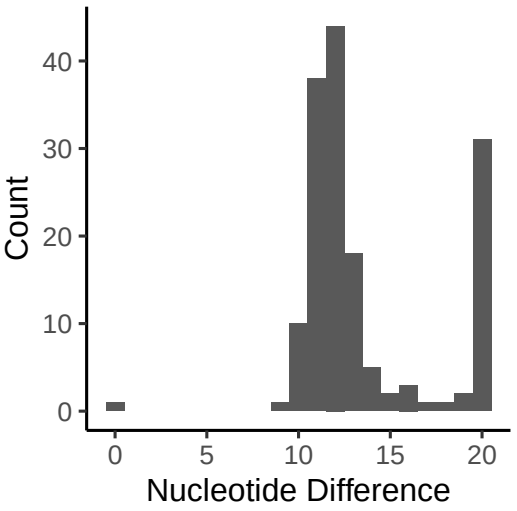
IGHV3−72*01

119 sequences assigned
No exact matches.



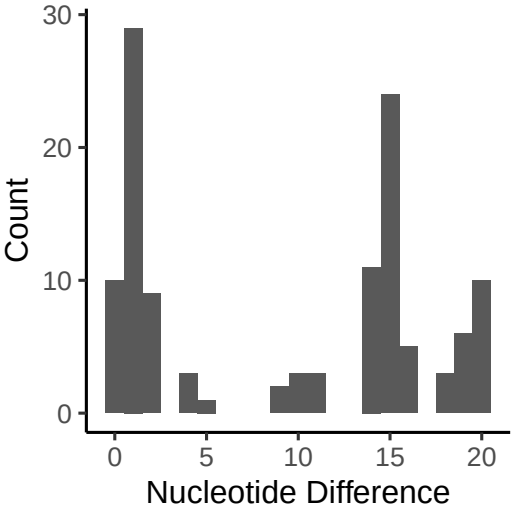
IGHV3−74*01_02

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



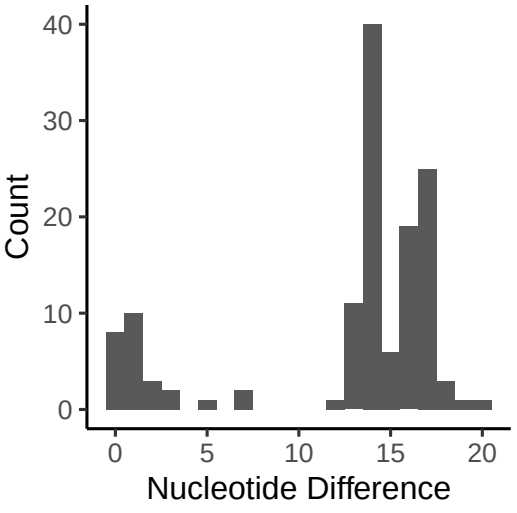
IGHV4−4*02_03

172 sequences assigned
10 (5.8%) exact matches, in which:
6 unique CDR3
3 unique J



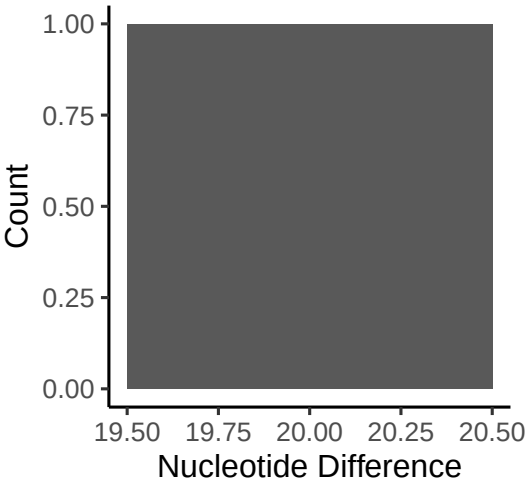
IGHV3−73*01_02

135 sequences assigned
8 (5.9%) exact matches, in which:
4 unique CDR3
1 unique J



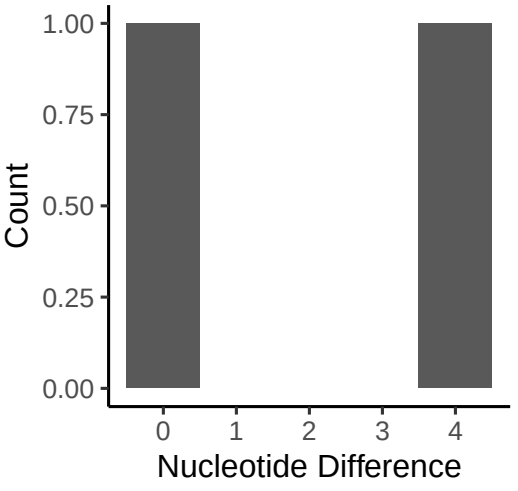
IGHV3−64D*08

422 sequences assigned
No exact matches.



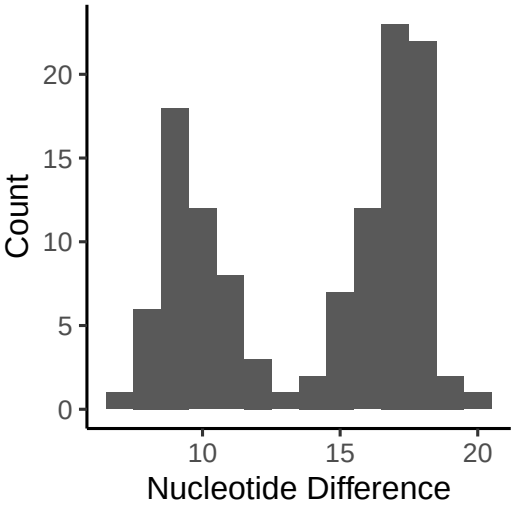
IGHV4−30−4*01

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



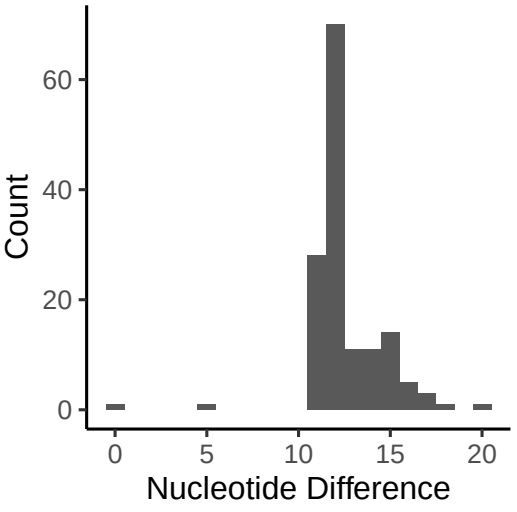
IGHV3−74*03

126 sequences assigned
No exact matches.



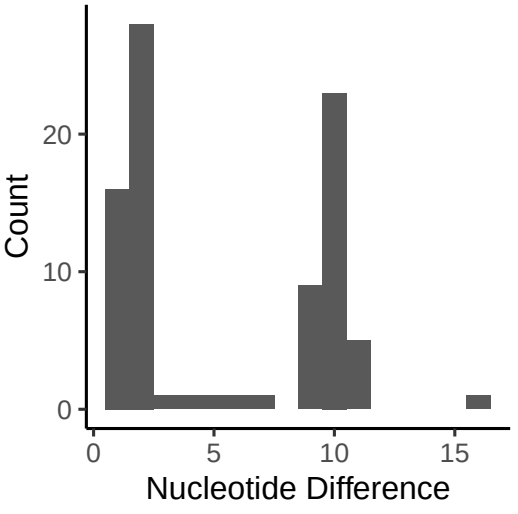
IGHV4−4*07

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



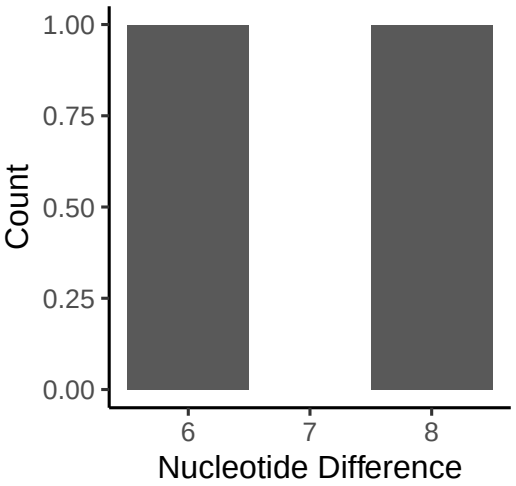
IGHV4−30−2*03

87 sequences assigned
No exact matches.



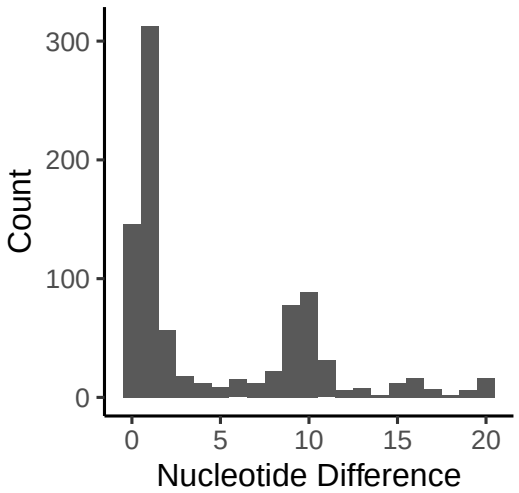
IGHV4−30−2*04

2 sequences assigned
No exact matches.



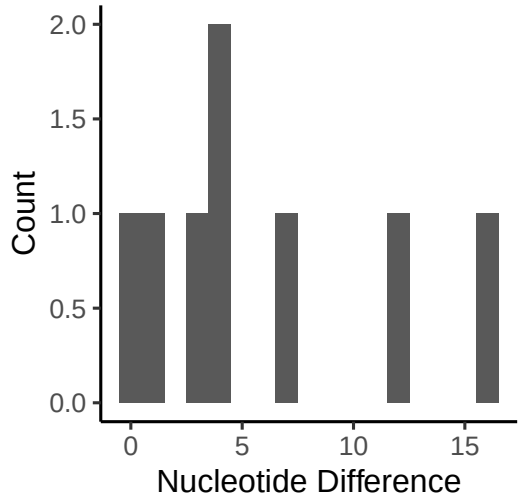
IGHV4−34*01_02

3635 sequences assigned
146 (4%) exact matches, in which:
96 unique CDR3
5 unique J



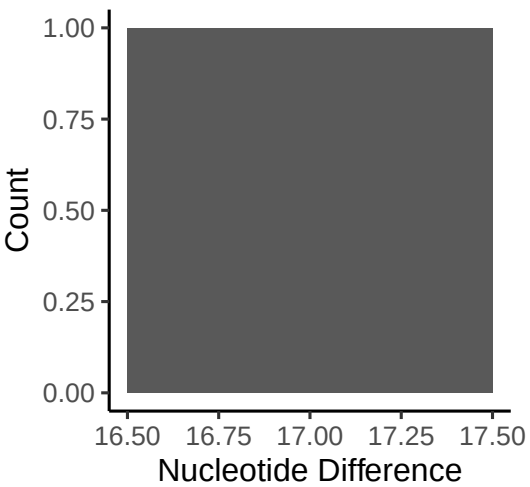
IGHV4−39*07

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
1 unique J



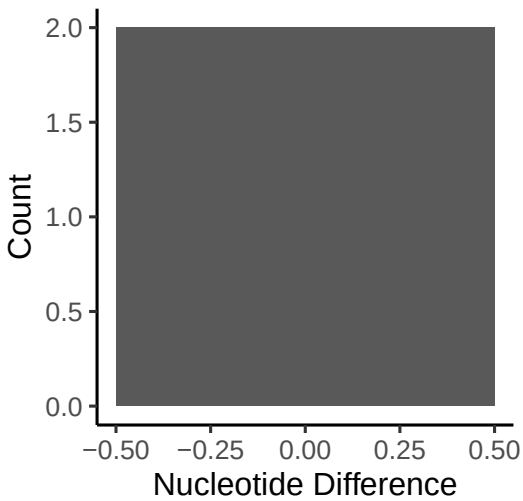
IGHV4−30−4*05

1 sequences assigned
No exact matches.



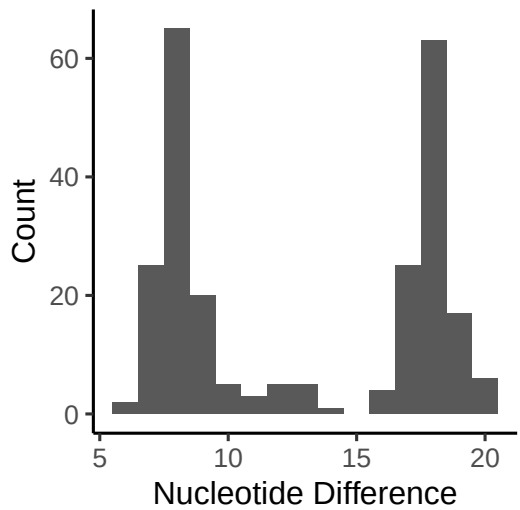
IGHV4−38−2*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



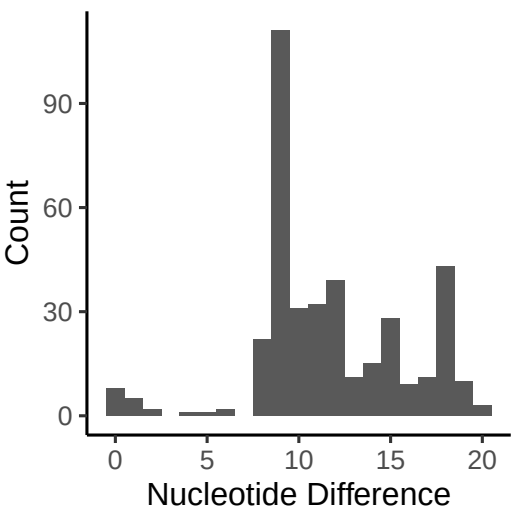
IGHV4−59*02

271 sequences assigned
No exact matches.



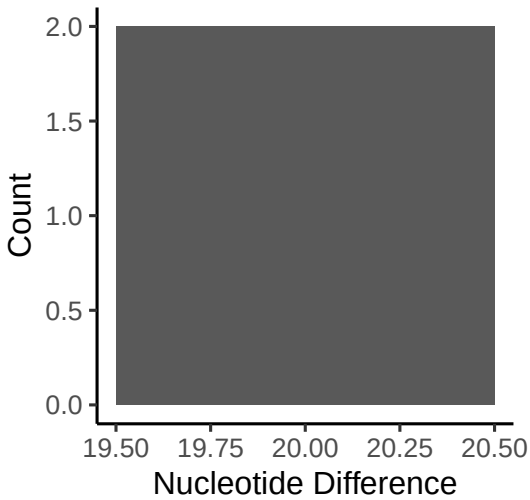
IGHV4−31*02

494 sequences assigned
8 (1.6%) exact matches, in which:
8 unique CDR3
2 unique J



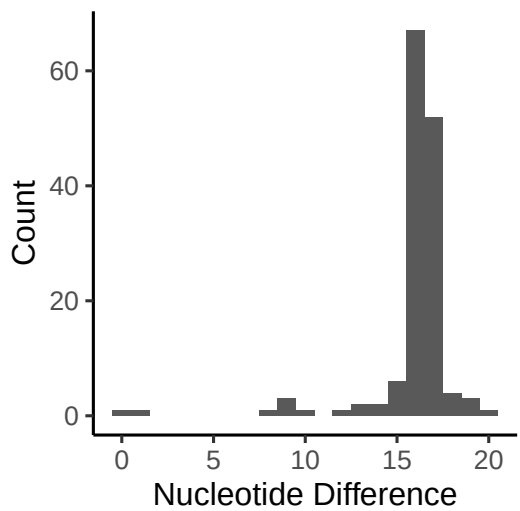
IGHV4−39*02

357 sequences assigned
No exact matches.



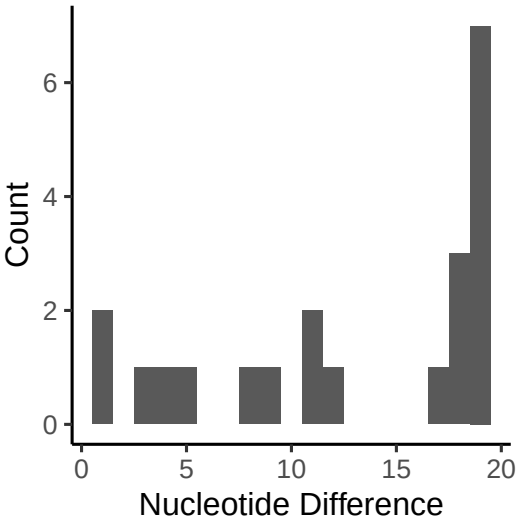
IGHV4−59*08

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



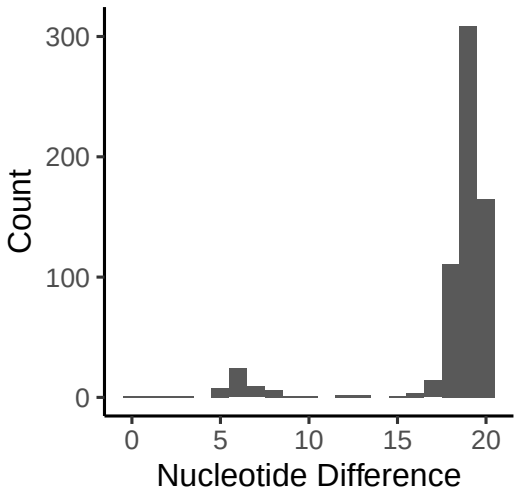
IGHV4−59*12

2001 sequences assigned
No exact matches.



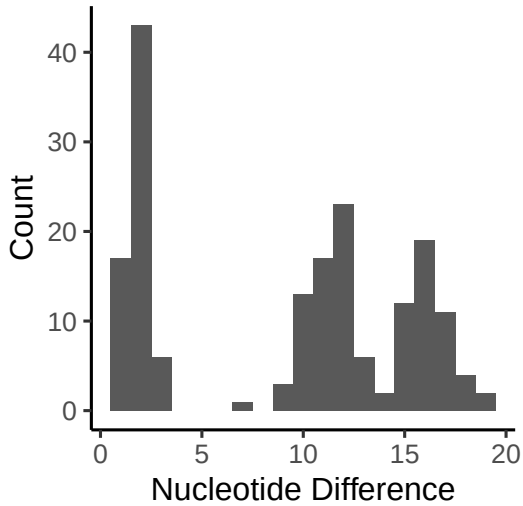
IGHV4−61*02

854 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



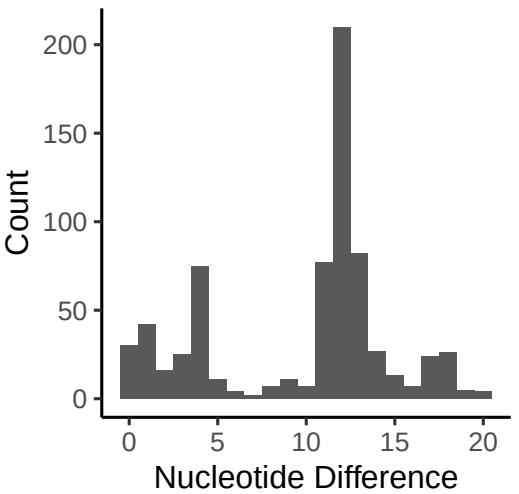
IGHV5−51*07

186 sequences assigned
No exact matches.



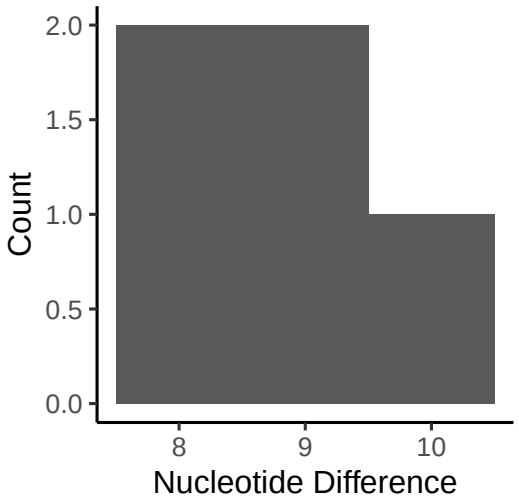
IGHV4−59*01_07

738 sequences assigned
30 (4.1%) exact matches, in which:
18 unique CDR3
5 unique J



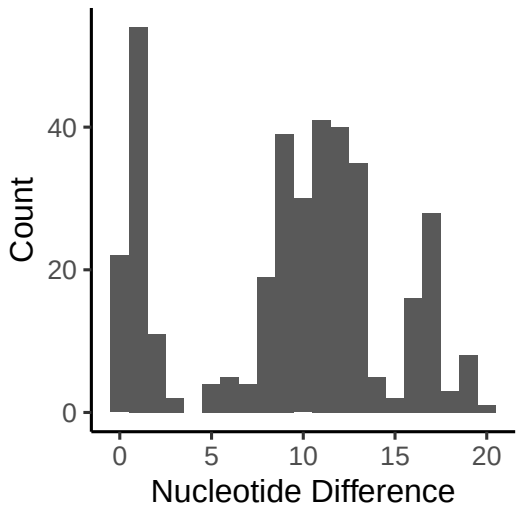
IGHV4−61*03

6 sequences assigned
No exact matches.



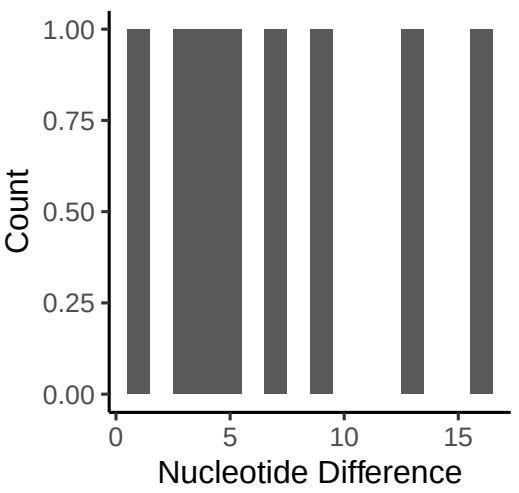
IGHV5−51*01_03

381 sequences assigned
22 (5.8%) exact matches, in which:
11 unique CDR3
2 unique J



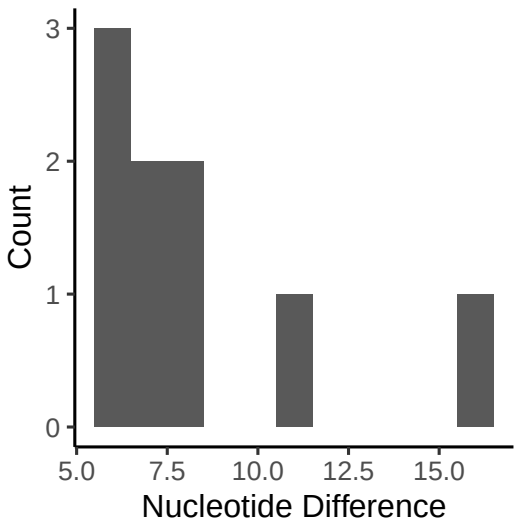
IGHV4−61*01

9 sequences assigned
No exact matches.



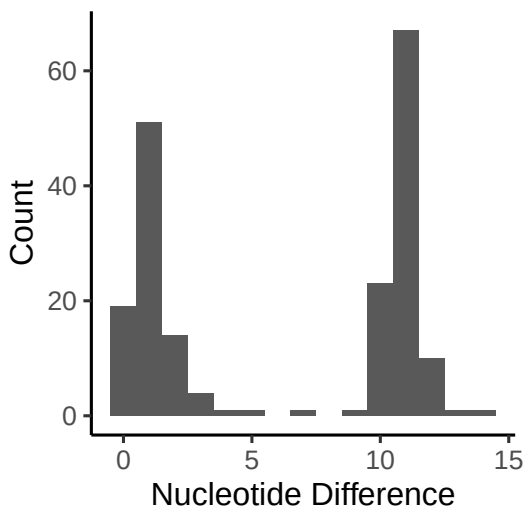
IGHV5−10−1*01_03

17 sequences assigned
No exact matches.



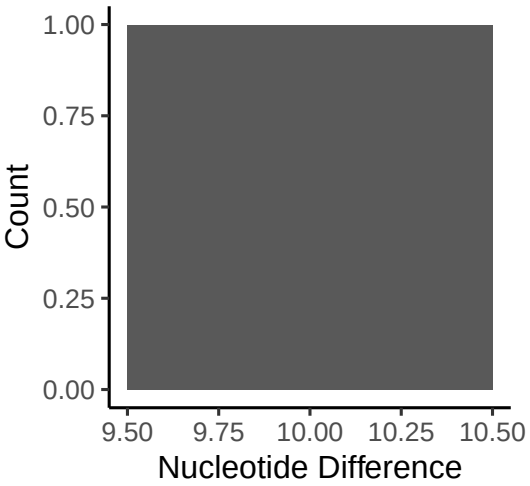
IGHV6−1*01_02

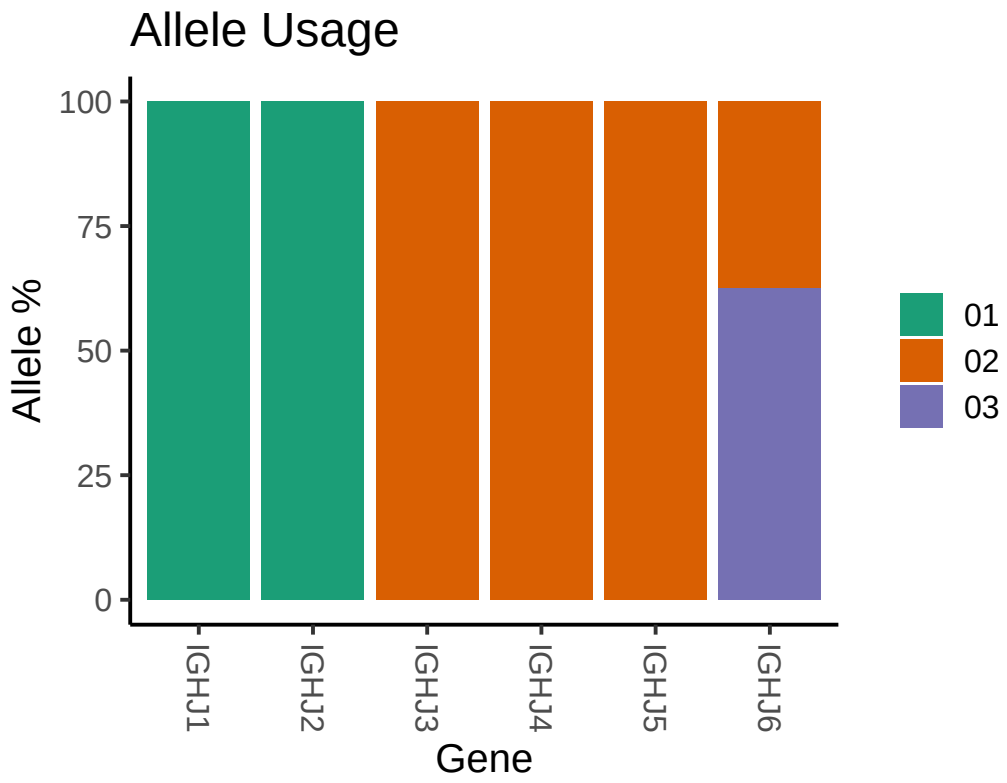
222 sequences assigned
19 (8.6%) exact matches, in which:
16 unique CDR3
4 unique J

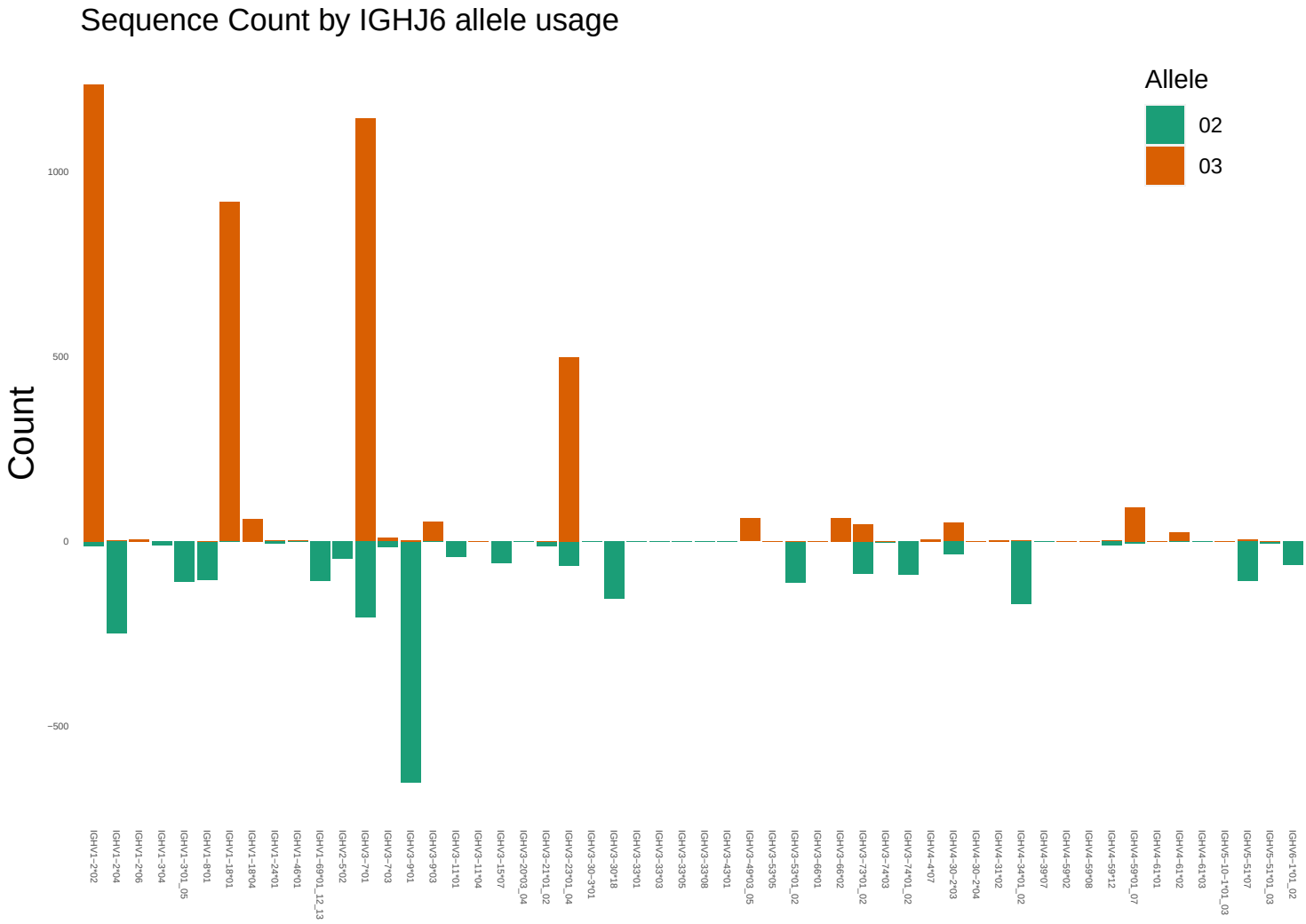


IGHV7−4−1*02

1 sequences assigned
No exact matches.




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02
03


Sequence Count by IGHJ6 allele usage
Allele
02
03
Count
1000
500
0
−500
IGHV1−2*02
IGHV1−2*04
IGHV1−2*06
IGHV1−3*04
IGHV1−3*01_05
IGHV1−8*01
IGHV1−18*01
IGHV1−18*04
IGHV1−24*01
IGHV1−46*01
IGHV1−69*01_12_13
IGHV2−5*02
IGHV3−7*01
IGHV3−7*03
IGHV3−9*01
IGHV3−9*03
IGHV3−11*01
IGHV3−11*04
IGHV3−15*07
IGHV3−20*03_04
IGHV3−21*01_02
IGHV3−23*01_04
IGHV3−30−3*01
IGHV3−30*18
IGHV3−33*01
IGHV3−33*03
IGHV3−33*05
IGHV3−33*08
IGHV3−43*01
IGHV3−49*03_05
IGHV3−53*05
IGHV3−53*01_02
IGHV3−66*01
IGHV3−66*02
IGHV3−73*01_02
IGHV3−74*03
IGHV3−74*01_02
IGHV4−4*07
IGHV4−30−2*03
IGHV4−30−2*04
IGHV4−31*02
IGHV4−34*01_02
IGHV4−39*07
IGHV4−59*02
IGHV4−59*08
IGHV4−59*12
IGHV4−59*01_07
IGHV4−61*01
IGHV4−61*02
IGHV4−61*03
IGHV5−10−1*01_03
IGHV5−51*07
IGHV5−51*01_03
IGHV6−1*01_02

Warning − no inferred sequences found.