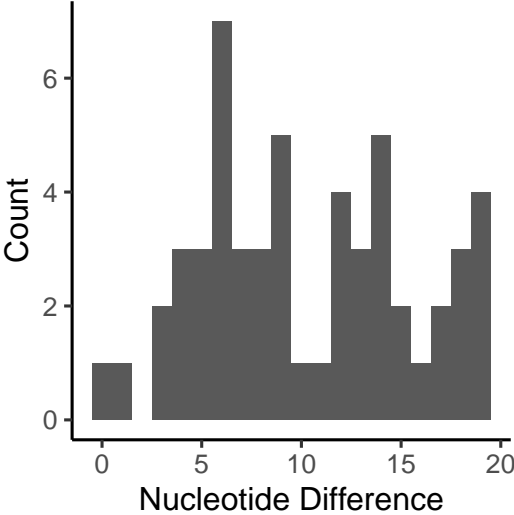


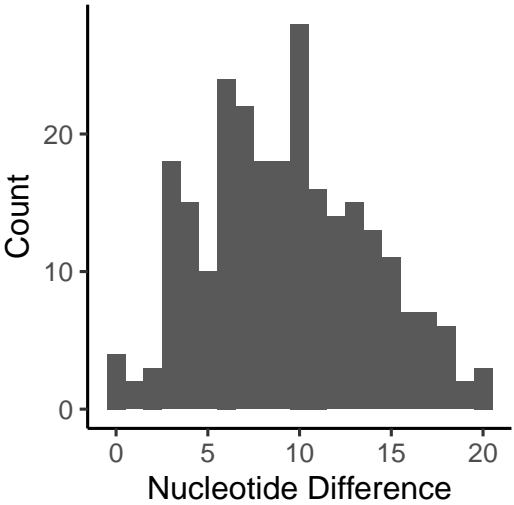
IGHV1-2*04

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



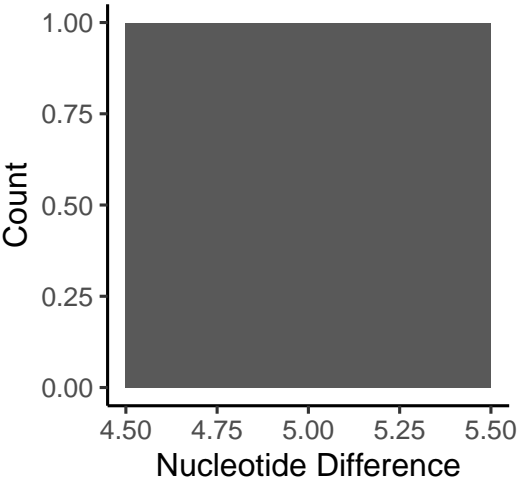
IGHV1-18*01

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



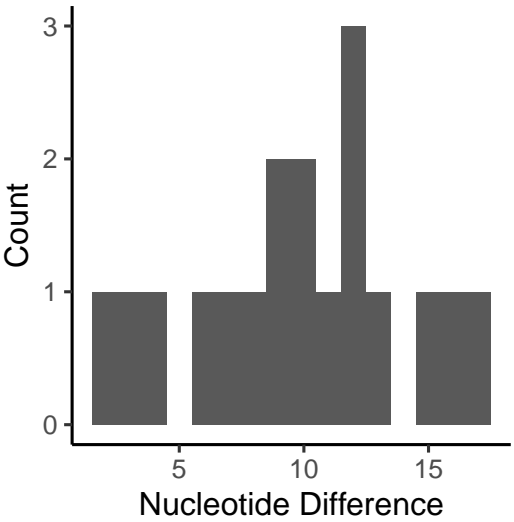
IGHV1-45*02

5 sequences assigned
No exact matches.



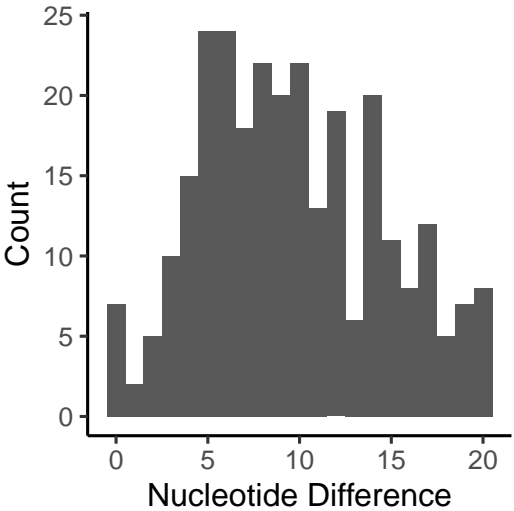
IGHV1-3*04

20 sequences assigned
No exact matches.



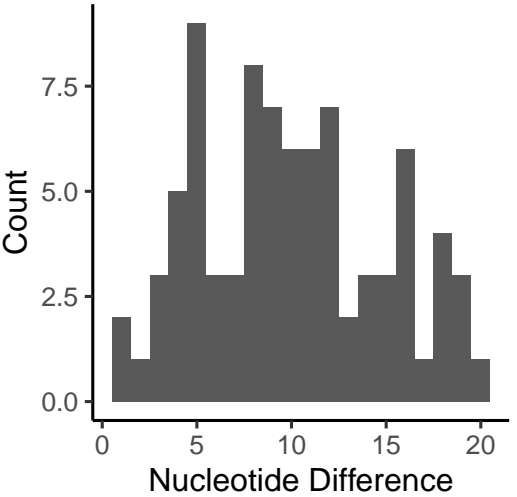
IGHV1-18*04

312 sequences assigned
7 (2.2%) exact matches, in which:
7 unique CDR3
4 unique J



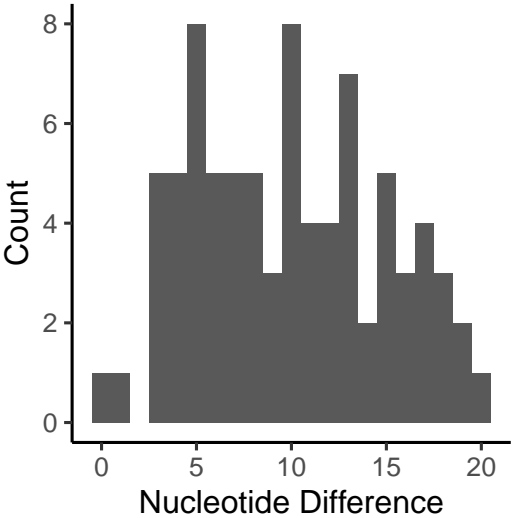
IGHV1-46*01

101 sequences assigned
No exact matches.



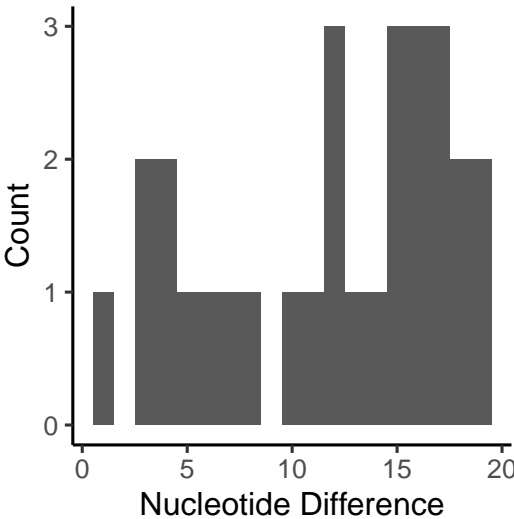
IGHV1-3*01_05

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



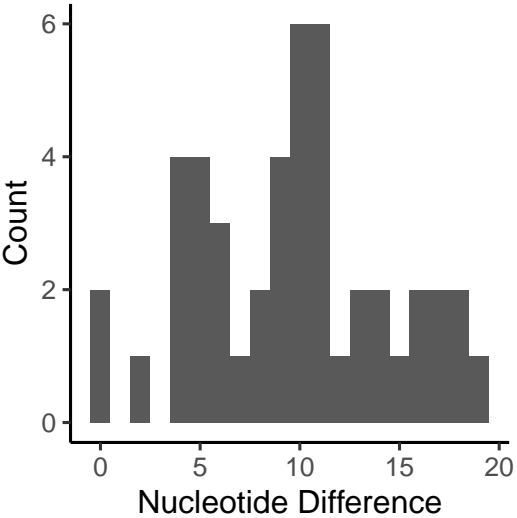
IGHV1-24*01

38 sequences assigned
No exact matches.



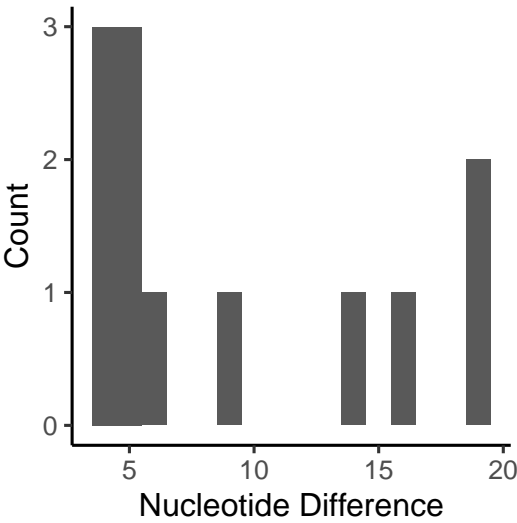
IGHV1-46*04

55 sequences assigned
2 (3.6%) exact matches, in which:
2 unique CDR3
1 unique J



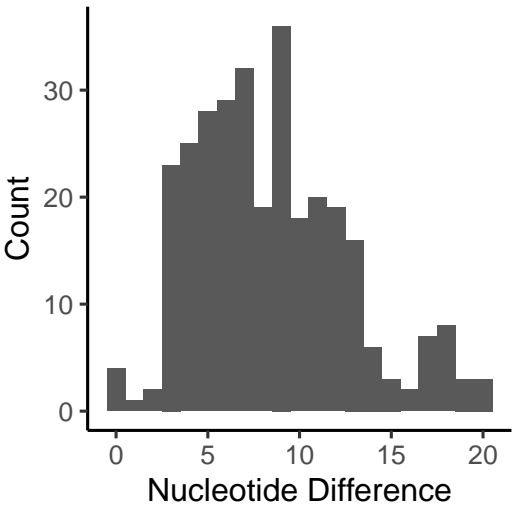
IGHV1-58*02

24 sequences assigned
No exact matches.



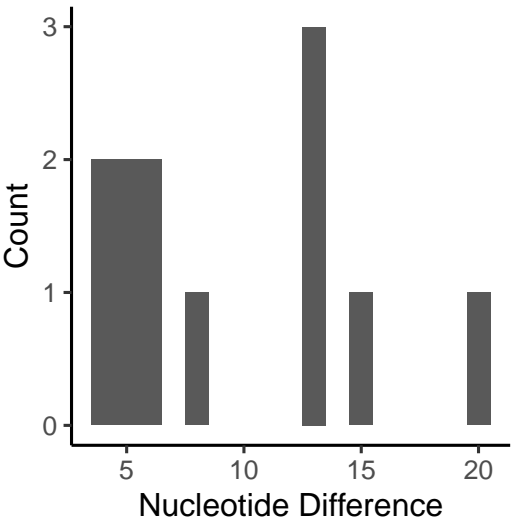
IGHV1-69*01_12_13

321 sequences assigned
4 (1.2%) exact matches, in which:
4 unique CDR3
3 unique J



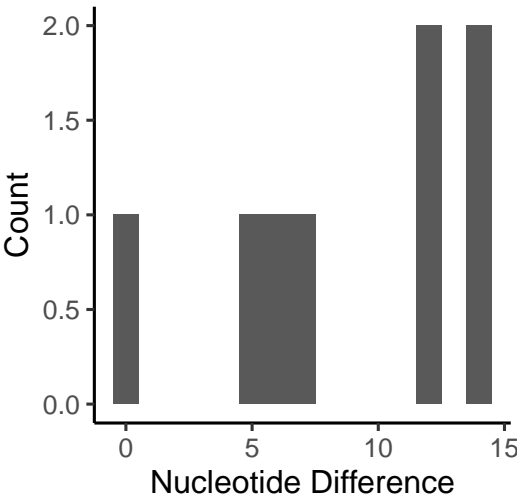
IGHV2-70*01

15 sequences assigned
No exact matches.



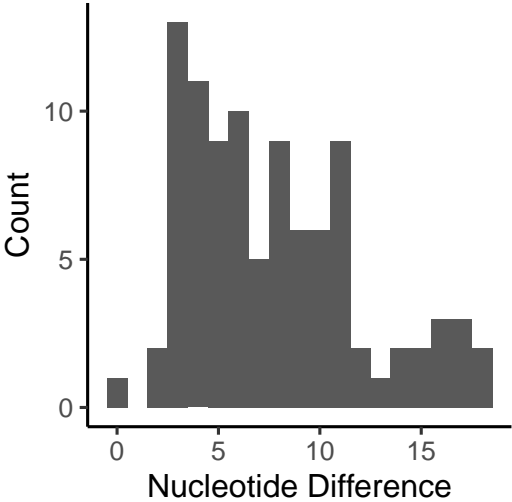
IGHV1-58*01_03

42 sequences assigned
1 (2.4%) exact matches, in which:
1 unique CDR3
1 unique J



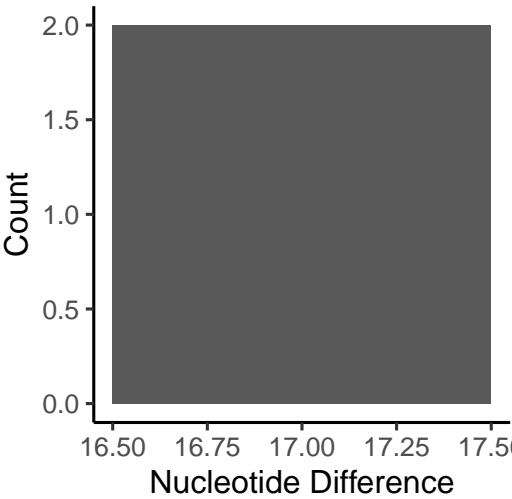
IGHV2-5*02

113 sequences assigned
1 (0.9%) exact matches, in which:
1 unique CDR3
1 unique J



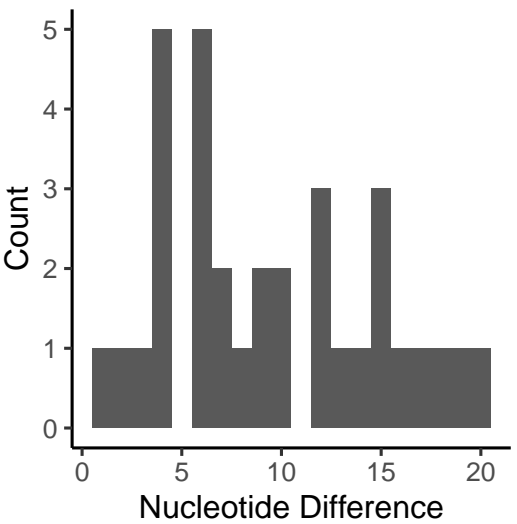
IGHV2-70*16_17

2 sequences assigned
No exact matches.



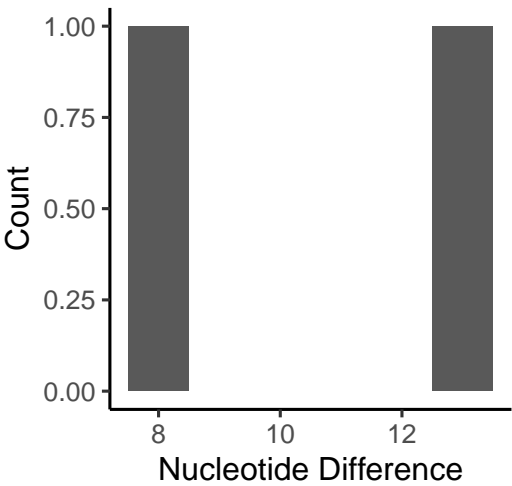
IGHV1-69*10

61 sequences assigned
No exact matches.



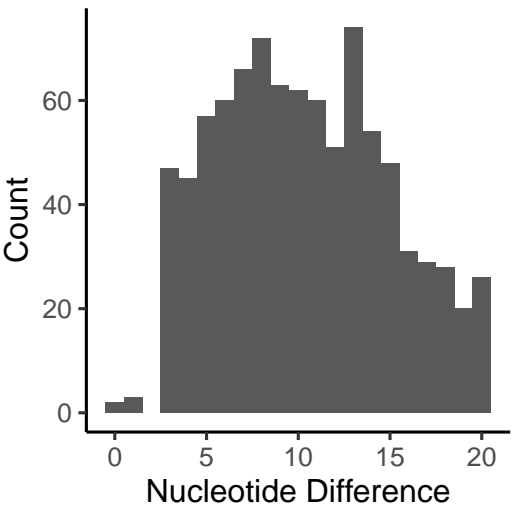
IGHV2-26*01

5 sequences assigned
No exact matches.



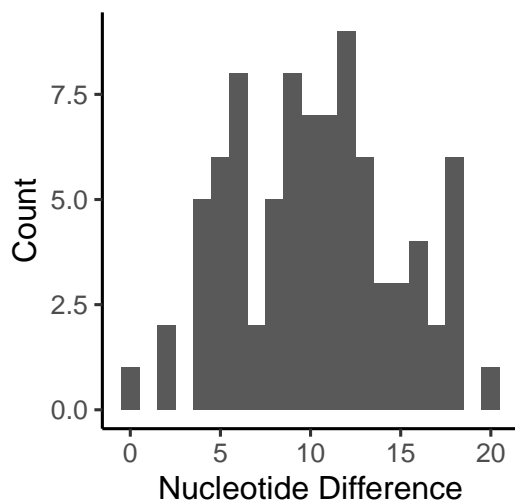
IGHV3-7*03

948 sequences assigned
2 (0.2%) exact matches, in which:
1 unique CDR3
1 unique J



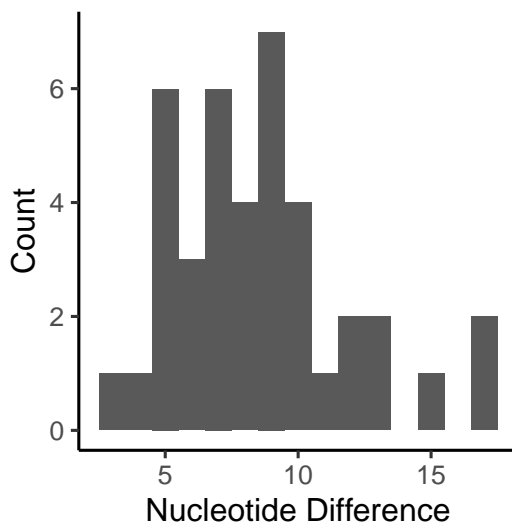
IGHV3-11*06

93 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



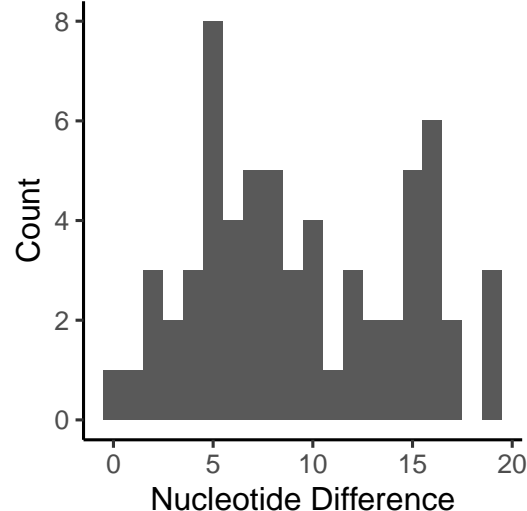
IGHV3-13*04

74 sequences assigned
No exact matches.



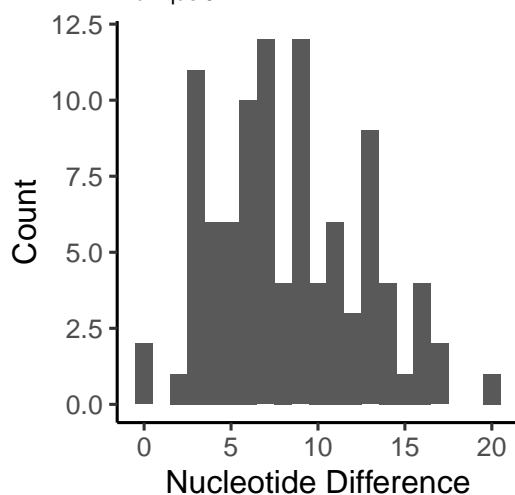
IGHV3-20*03_04

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



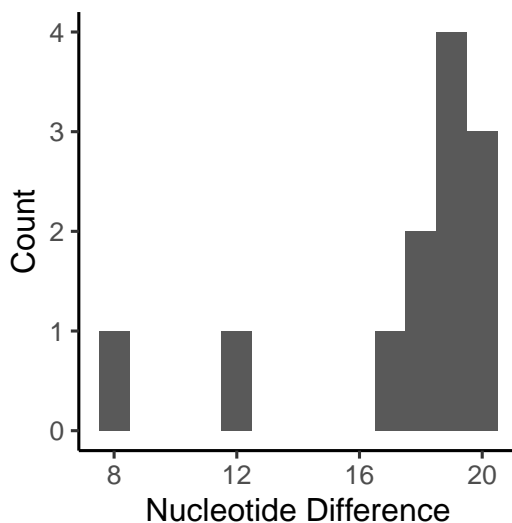
IGHV3-11*03_05

111 sequences assigned
2 (1.8%) exact matches, in which:
2 unique CDR3
1 unique J



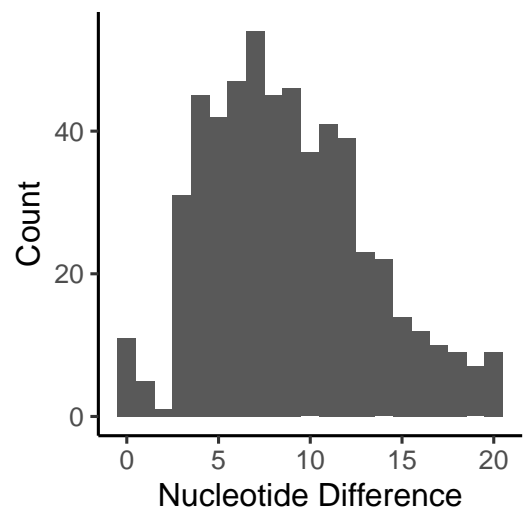
IGHV3-13*05

12 sequences assigned
No exact matches.



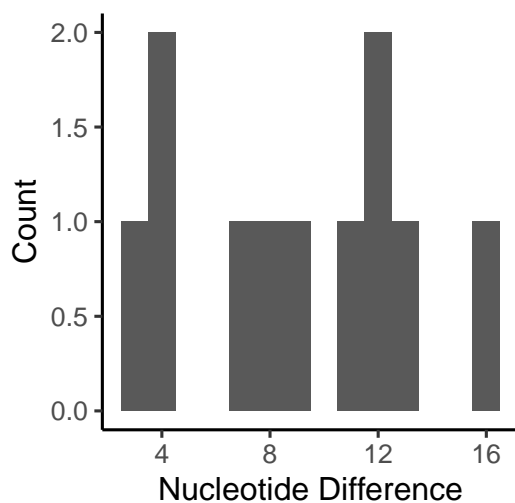
IGHV3-21*01_02

592 sequences assigned
11 (1.9%) exact matches, in which:
6 unique CDR3
4 unique J



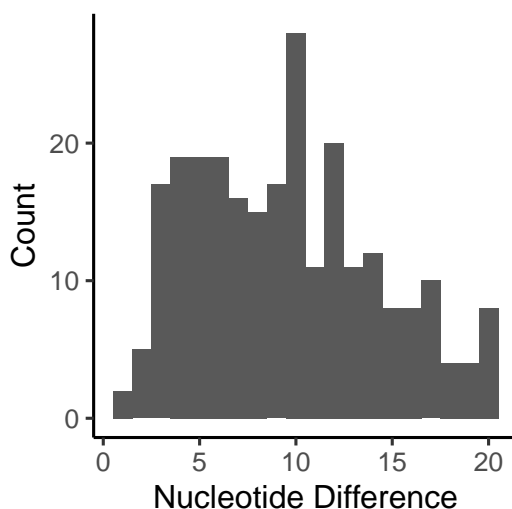
IGHV3-13*01

12 sequences assigned
No exact matches.



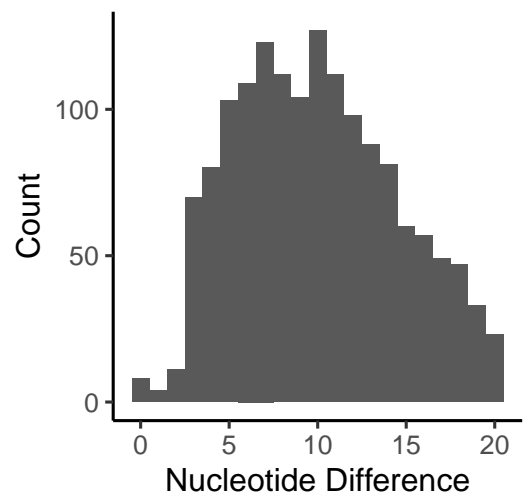
IGHV3-15*01_02

290 sequences assigned
No exact matches.



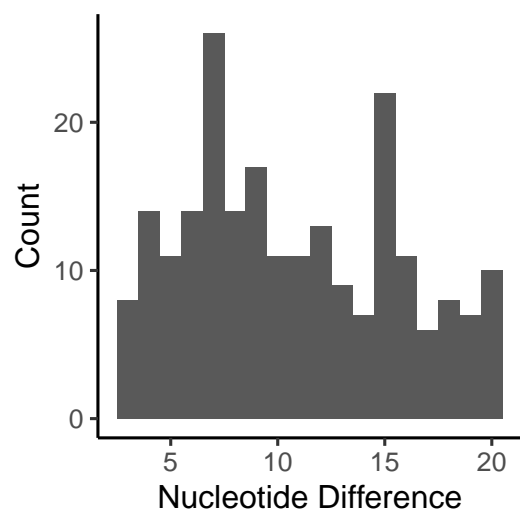
IGHV3-23*01_04

1670 sequences assigned
8 (0.5%) exact matches, in which:
6 unique CDR3
4 unique J



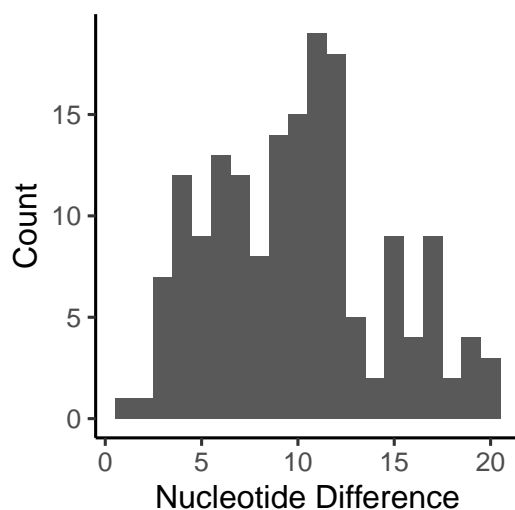
IGHV3-30*01

258 sequences assigned
No exact matches.



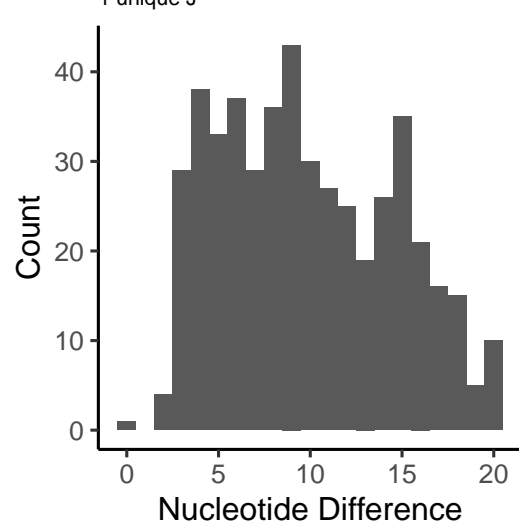
IGHV3-33*08

181 sequences assigned
No exact matches.



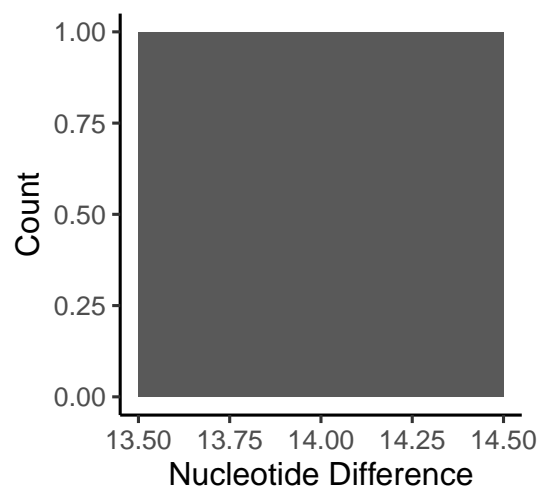
IGHV3-48*02

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



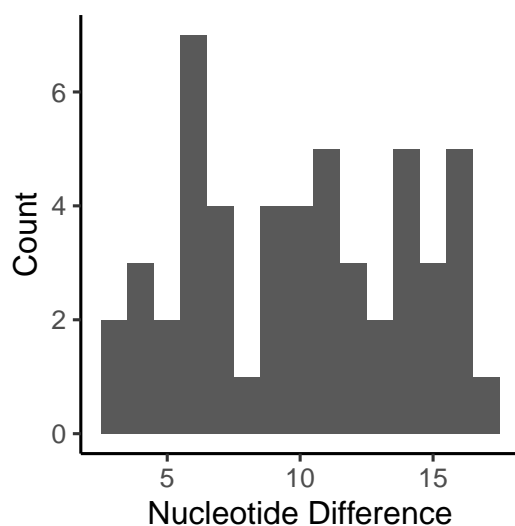
IGHV3-30-3*02

3 sequences assigned
No exact matches.



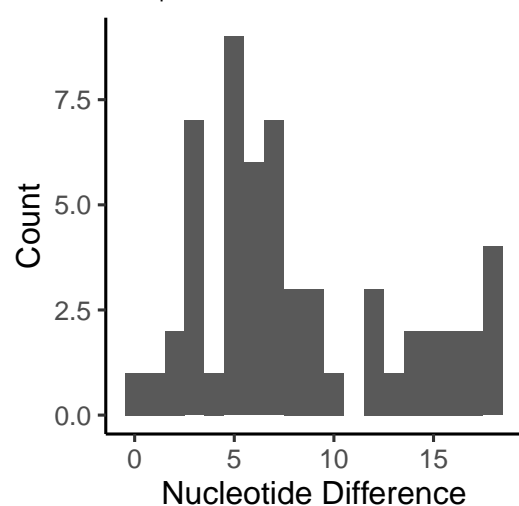
IGHV3-43*01

62 sequences assigned
No exact matches.



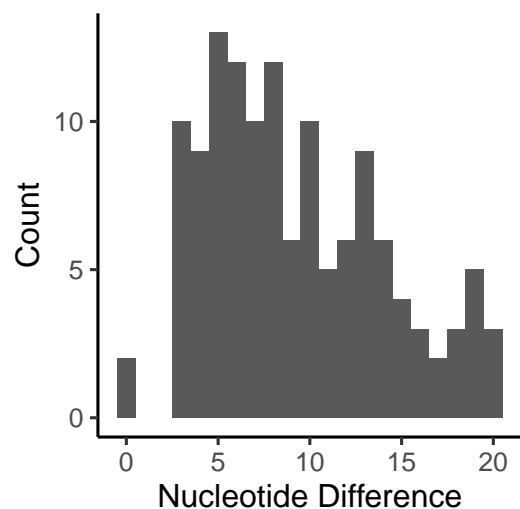
IGHV3-49*04

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



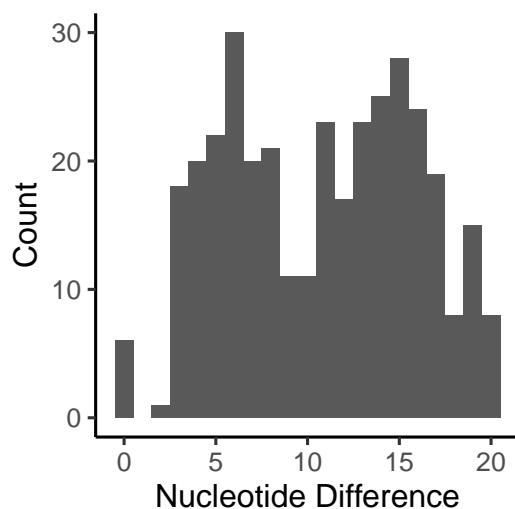
IGHV3-33*01

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



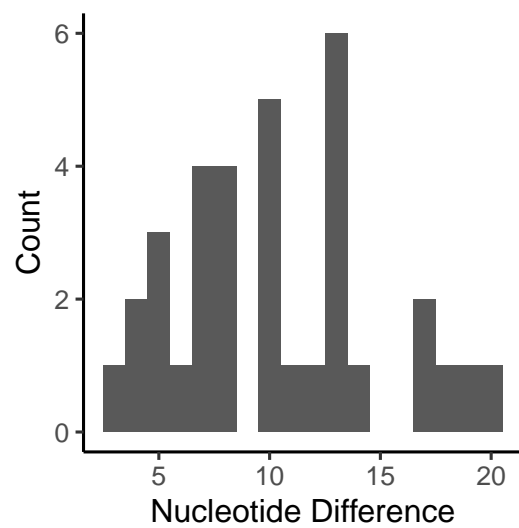
IGHV3-48*01

380 sequences assigned
6 (1.6%) exact matches, in which:
5 unique CDR3
2 unique J



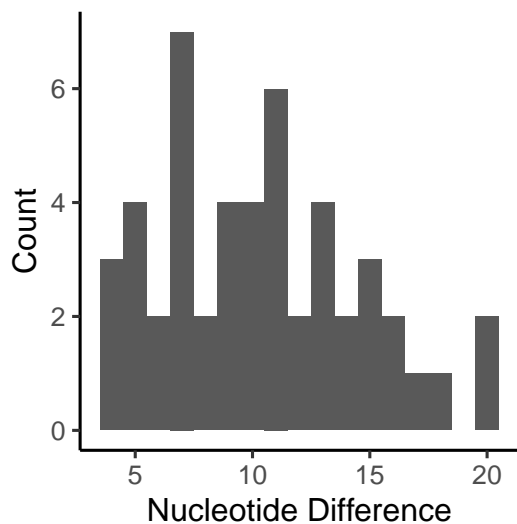
IGHV3-49*03_05

34 sequences assigned
No exact matches.



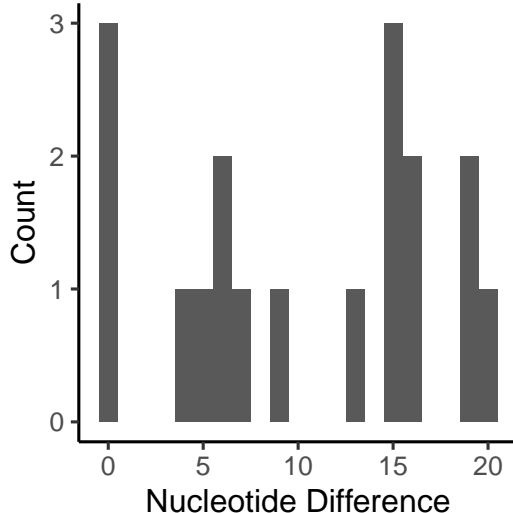
IGHV3-53*04

55 sequences assigned
No exact matches.



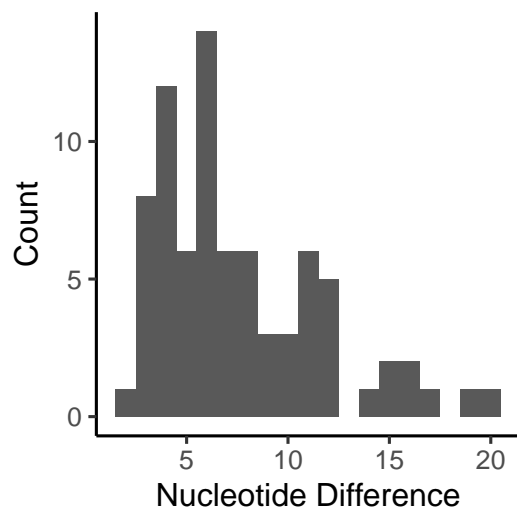
IGHV3-64*02_07

18 sequences assigned
3 (16.7%) exact matches, in which:
2 unique CDR3
1 unique J



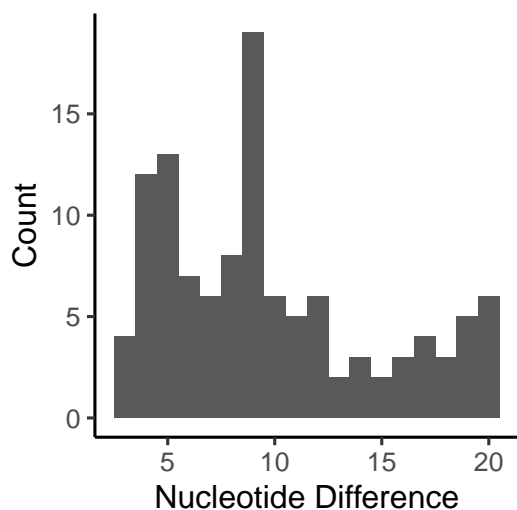
IGHV3-73*01_02

79 sequences assigned
No exact matches.



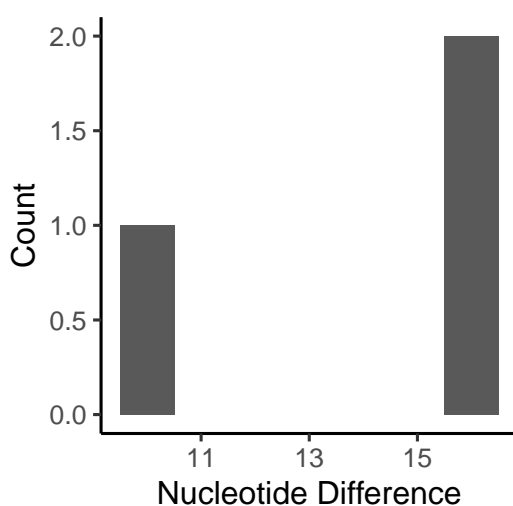
IGHV3-53*01_02

119 sequences assigned
No exact matches.



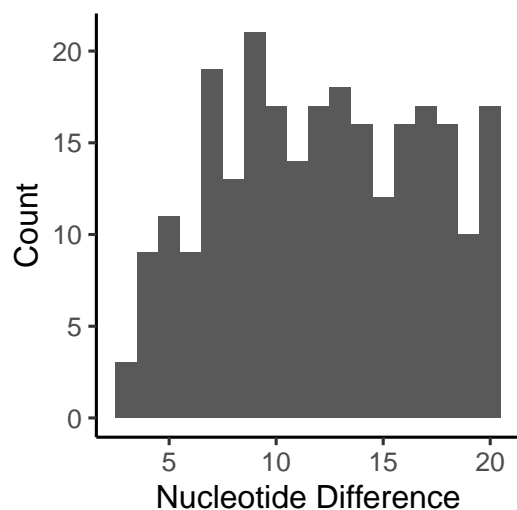
IGHV3-69-1*01

8 sequences assigned
No exact matches.



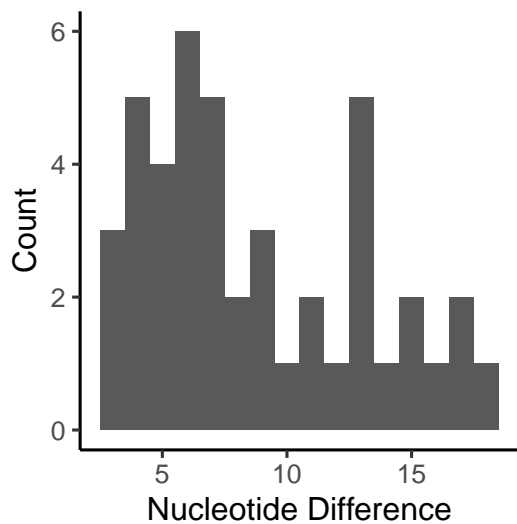
IGHV3-74*03

315 sequences assigned
No exact matches.



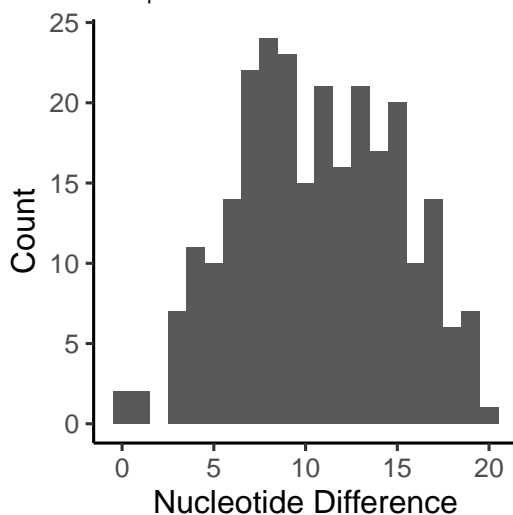
IGHV3-64*01

50 sequences assigned
No exact matches.



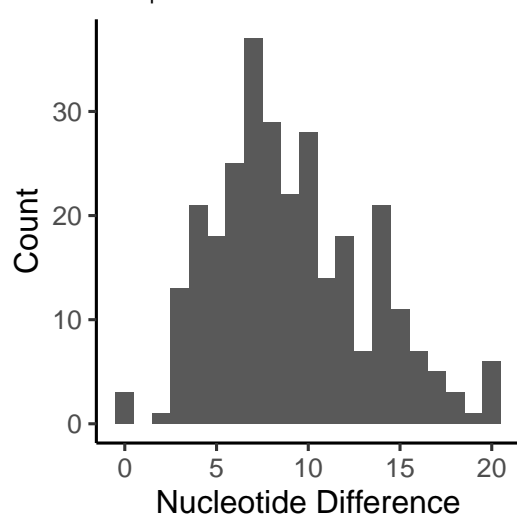
IGHV3-72*01

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



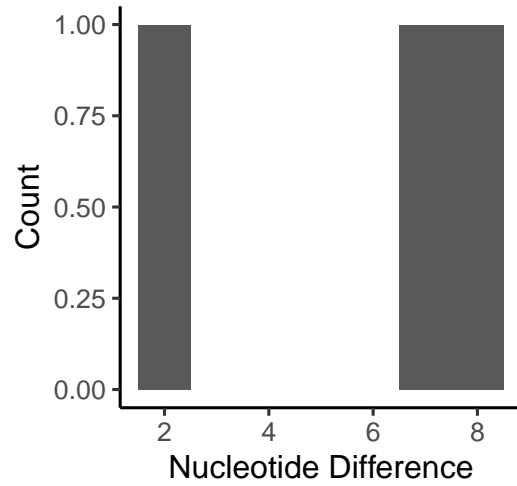
IGHV3-74*01_02

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



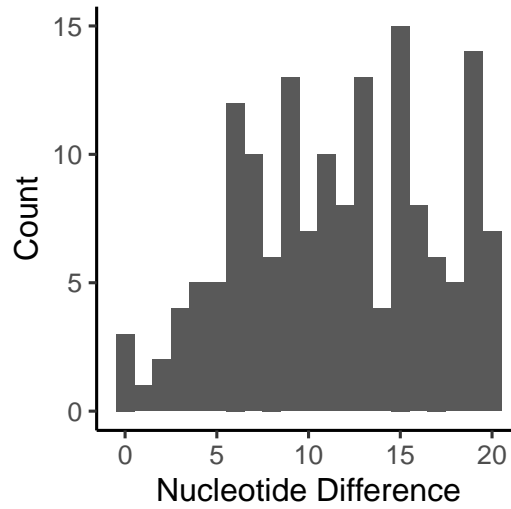
IGHV3-43D*04

3 sequences assigned
No exact matches.



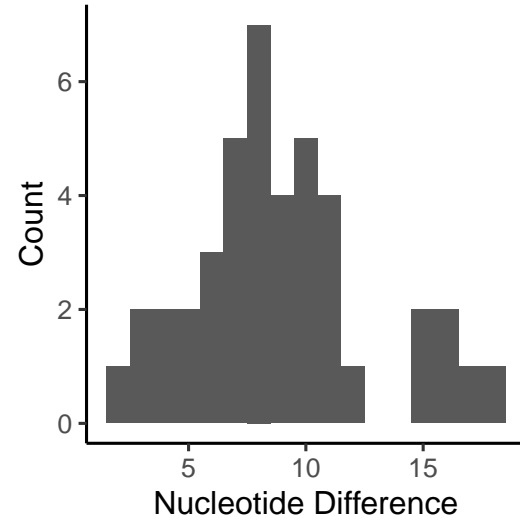
IGHV4-4*02_03

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



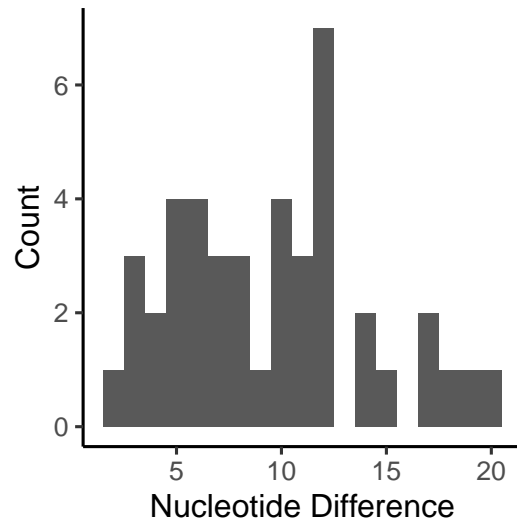
IGHV4-31*01

49 sequences assigned
No exact matches.



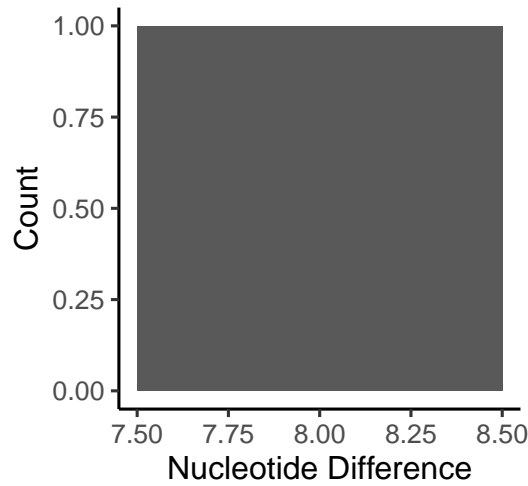
IGHV3-64D*06

49 sequences assigned
No exact matches.



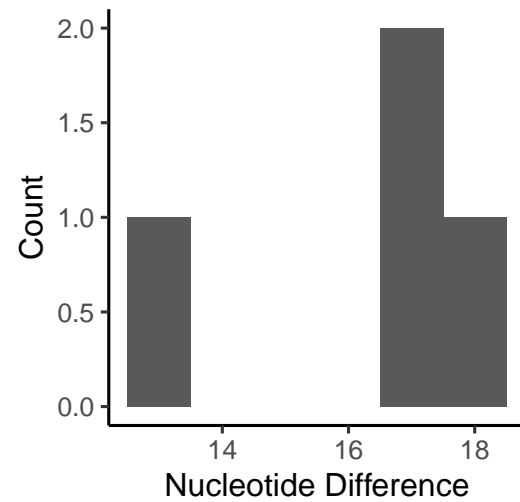
IGHV4-28*01_07

2 sequences assigned
No exact matches.



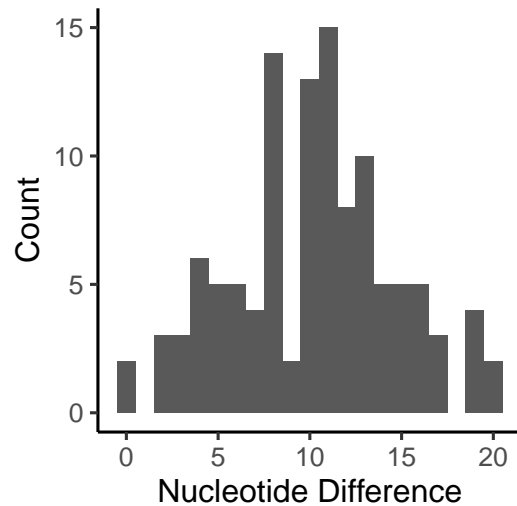
IGHV4-31*02

24 sequences assigned
No exact matches.



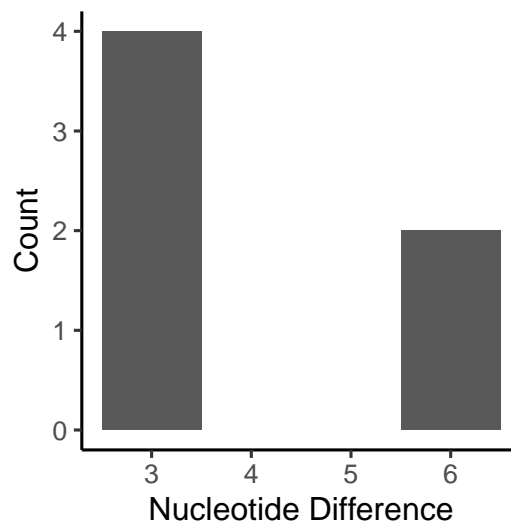
IGHV3-64D*09

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



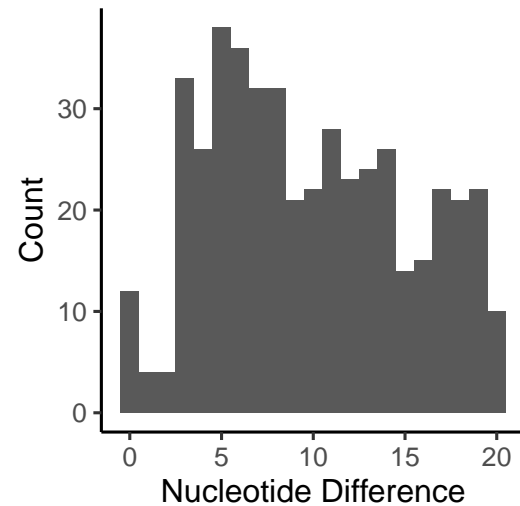
IGHV4-28*02_05

6 sequences assigned
No exact matches.



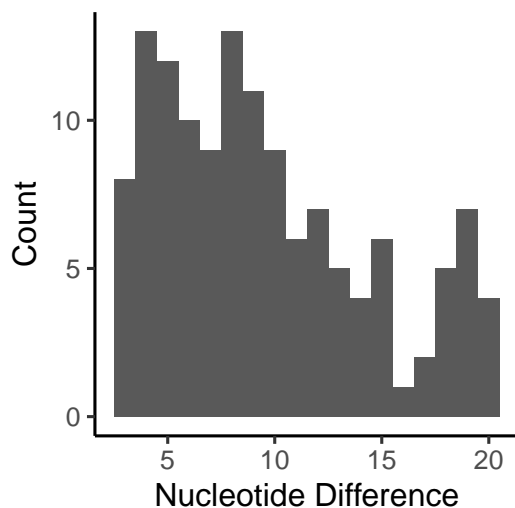
IGHV4-34*01_02

539 sequences assigned
12 (2.2%) exact matches, in which:
9 unique CDR3
5 unique J



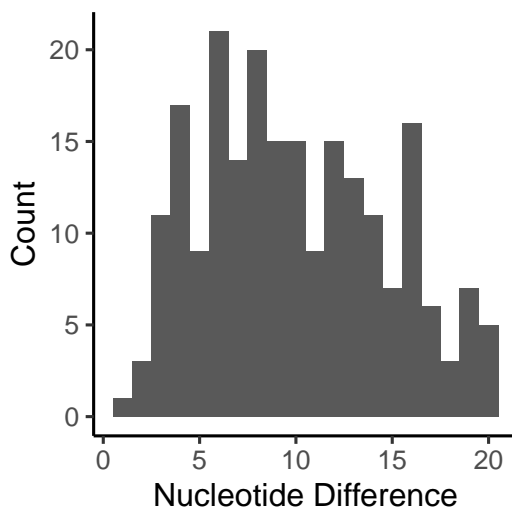
IGHV4-38-2*01

137 sequences assigned
No exact matches.



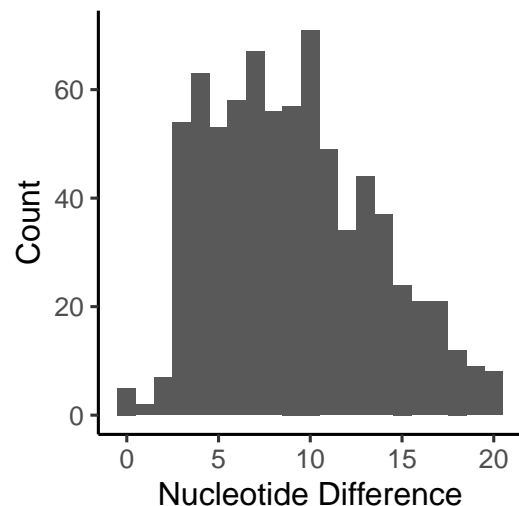
IGHV4-39*01_05

260 sequences assigned
No exact matches.



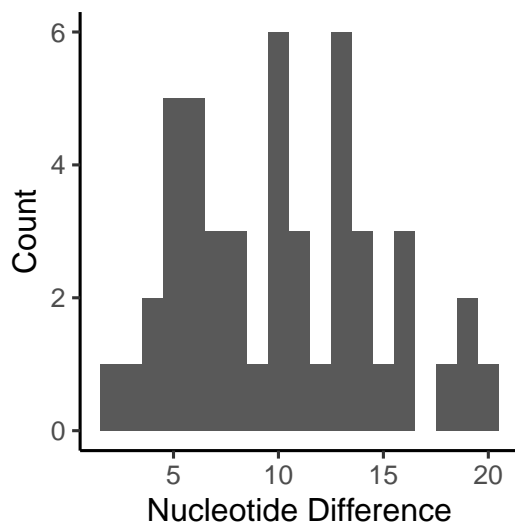
IGHV4-59*01_07

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



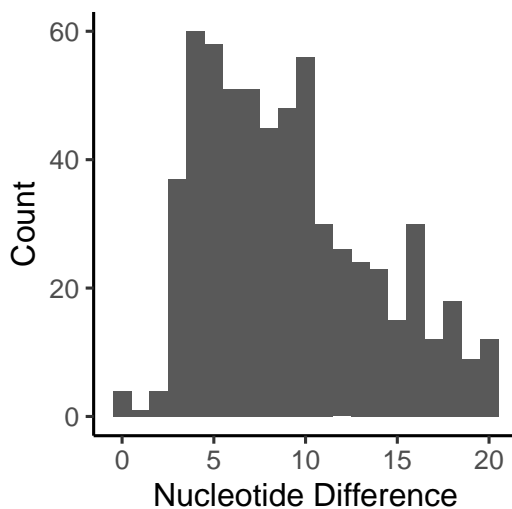
IGHV4-38-2*02

65 sequences assigned
No exact matches.



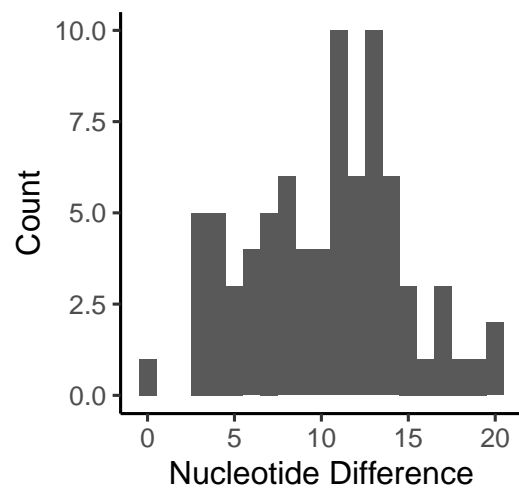
IGHV4-59*08

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



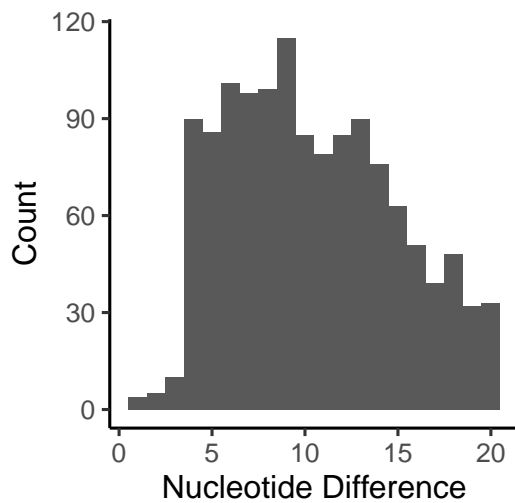
IGHV4-61*01

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



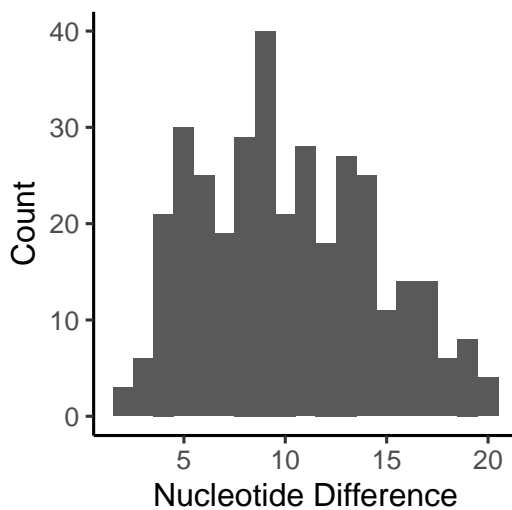
IGHV4-39*02

1483 sequences assigned
No exact matches.



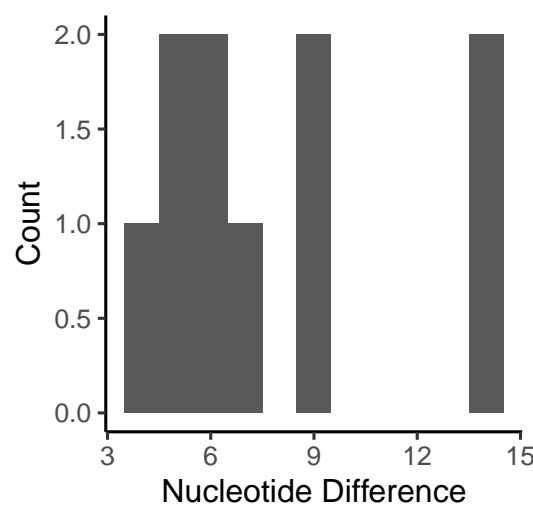
IGHV4-59*11

386 sequences assigned
No exact matches.



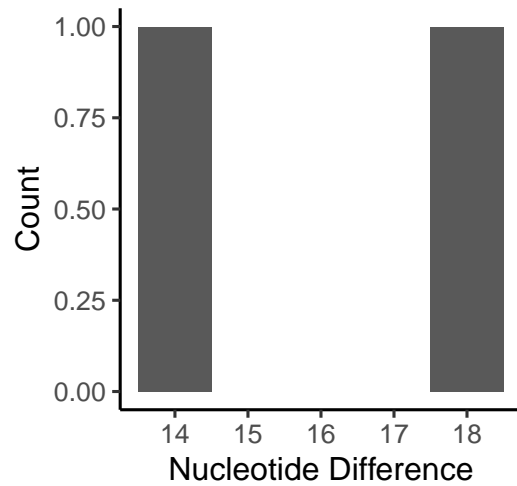
IGHV4-61*08

11 sequences assigned
No exact matches.



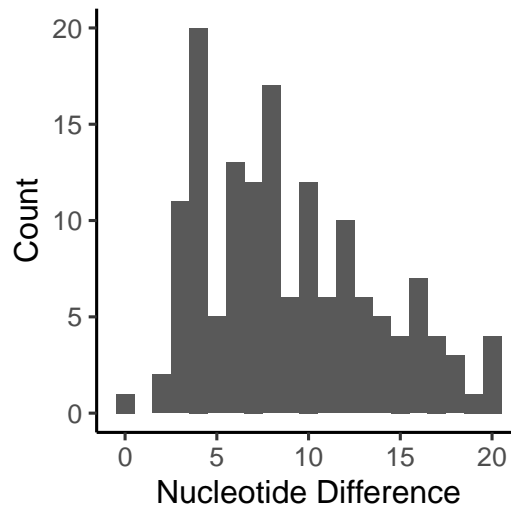
IGHV4/OR15-8*01

3 sequences assigned
No exact matches.



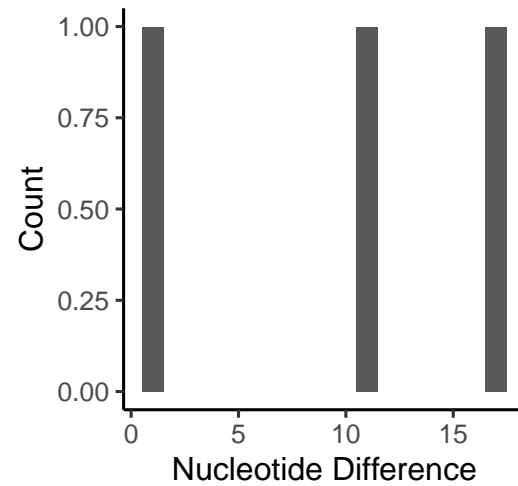
IGHV5-51*01_03

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



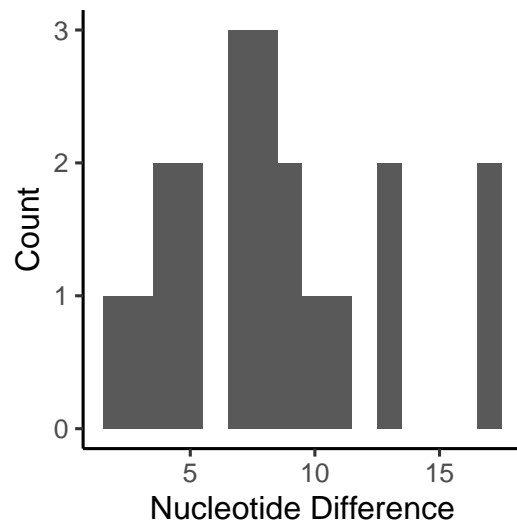
IGHV7-4-1*02

3 sequences assigned
No exact matches.



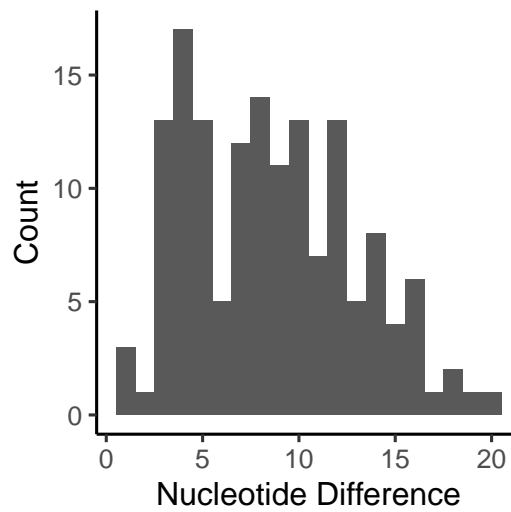
IGHV5-10-1*01_03

27 sequences assigned
No exact matches.



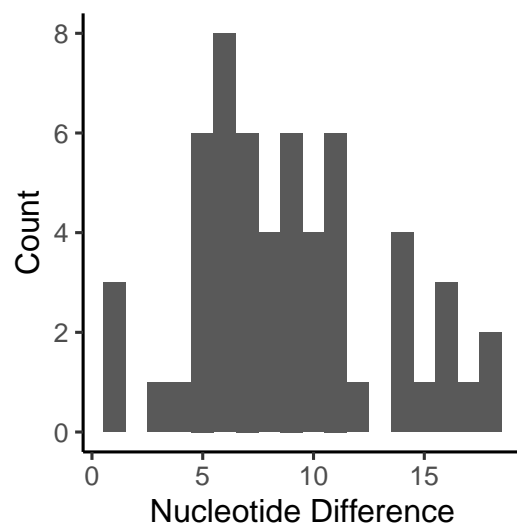
IGHV6-1*01_02

161 sequences assigned
No exact matches.



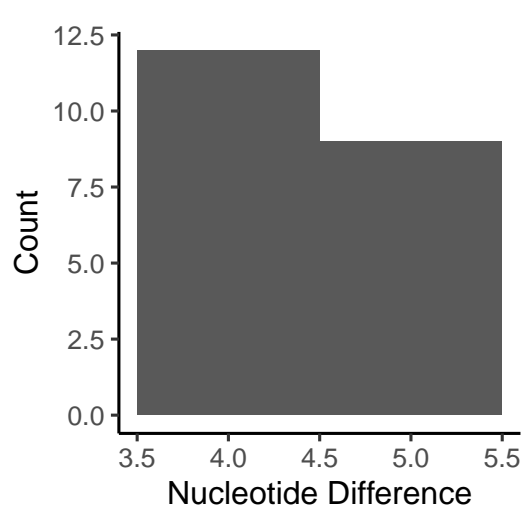
IGHV5-51*07

59 sequences assigned
No exact matches.

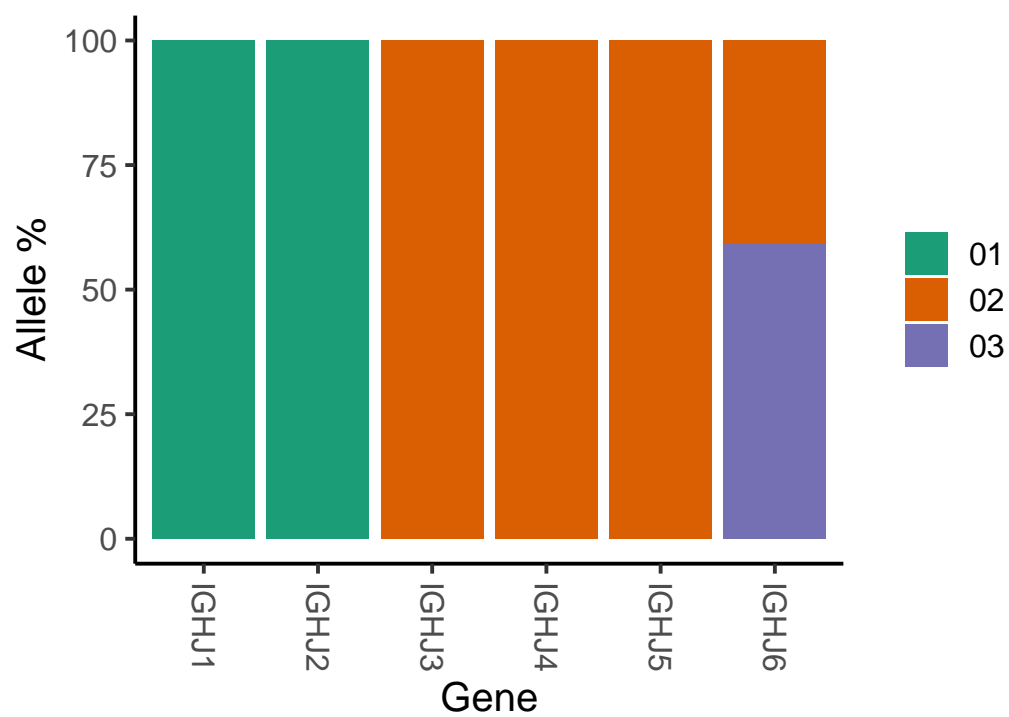


IGHV7-4-1*01

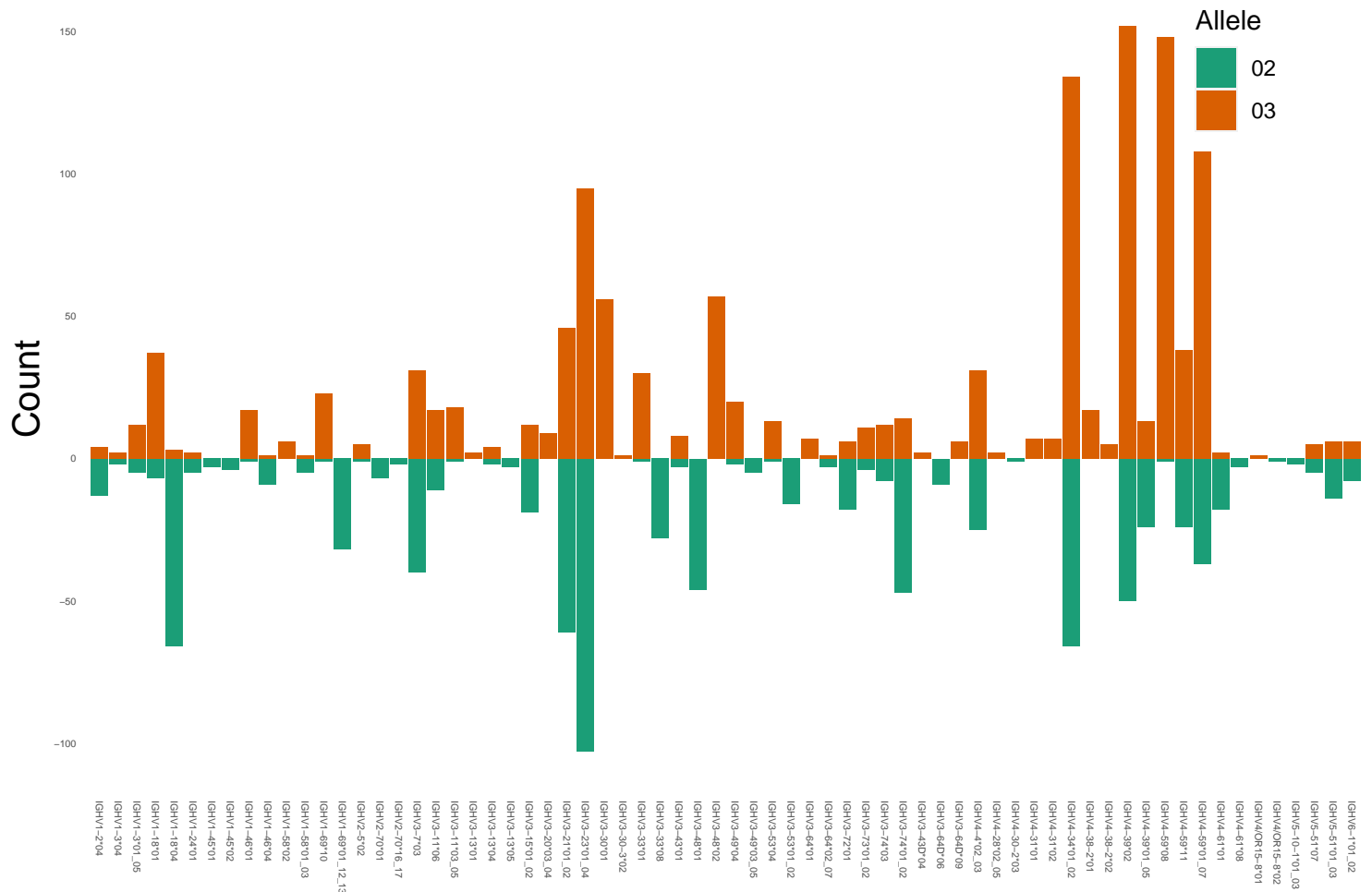
21 sequences assigned
No exact matches.



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.