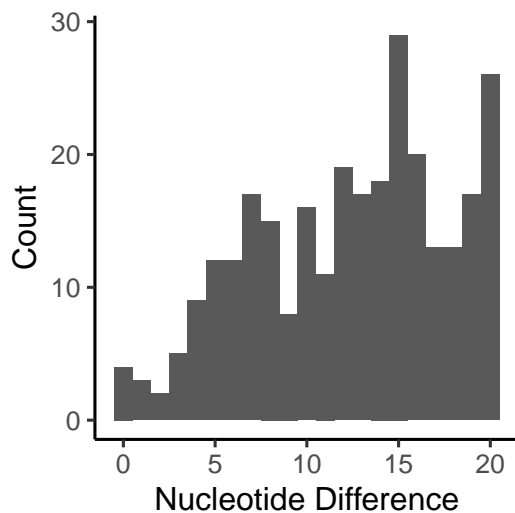


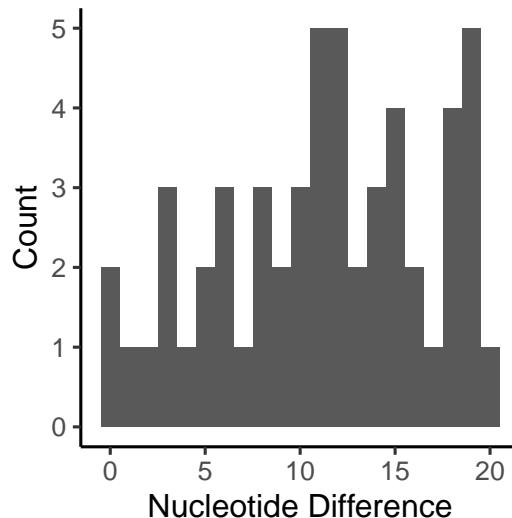
IGHV1-2*02

455 sequences assigned
4 (0.9%) exact matches, in which:
4 unique CDR3
2 unique J



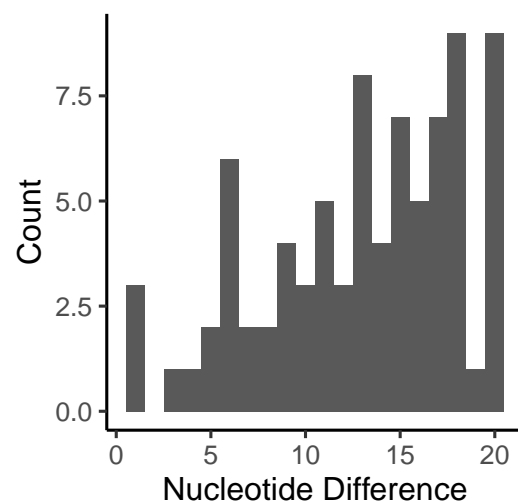
IGHV1-3*01_05

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



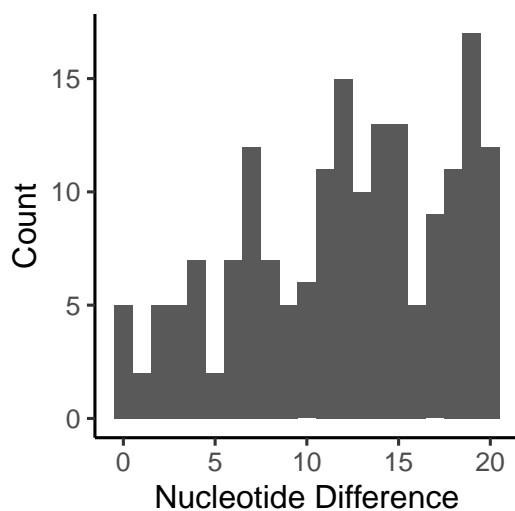
IGHV1-24*01

196 sequences assigned
No exact matches.



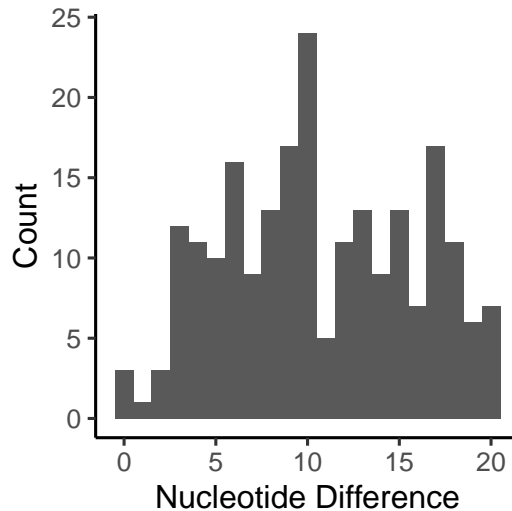
IGHV1-2*06

343 sequences assigned
5 (1.5%) exact matches, in which:
5 unique CDR3
3 unique J



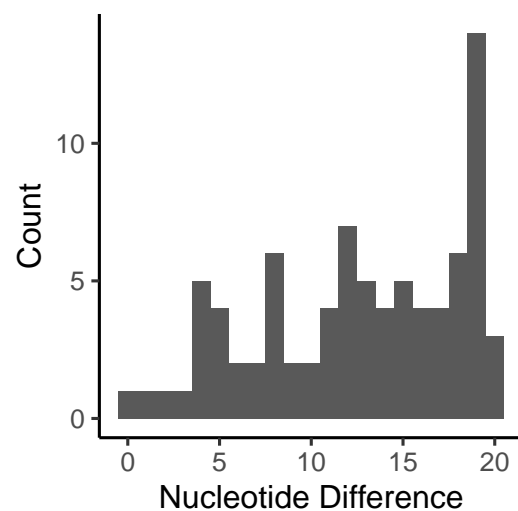
IGHV1-8*01

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



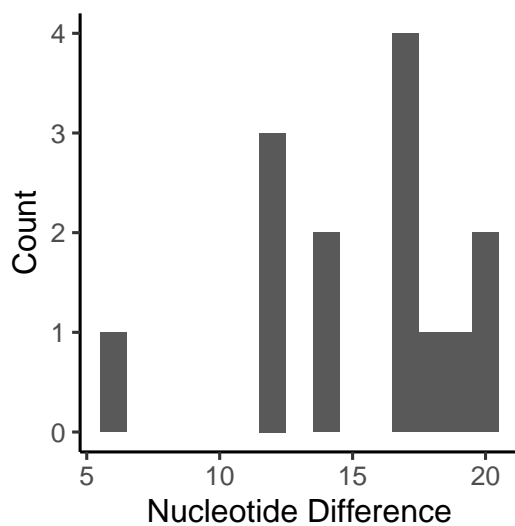
IGHV1-46*01

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



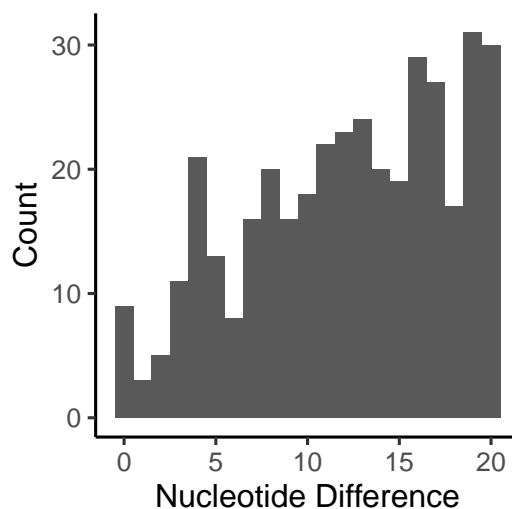
IGHV1-3*04

24 sequences assigned
No exact matches.



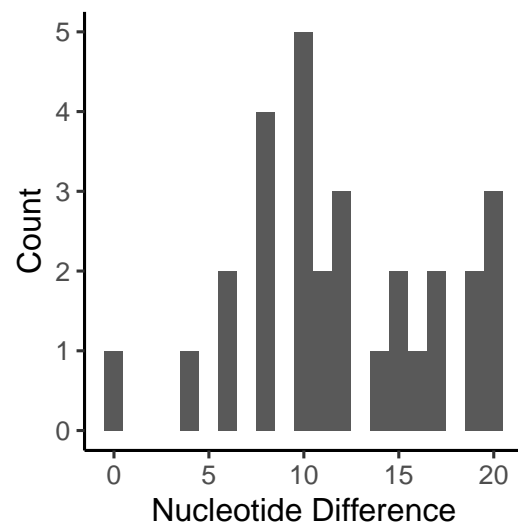
IGHV1-18*01

691 sequences assigned
9 (1.3%) exact matches, in which:
9 unique CDR3
3 unique J



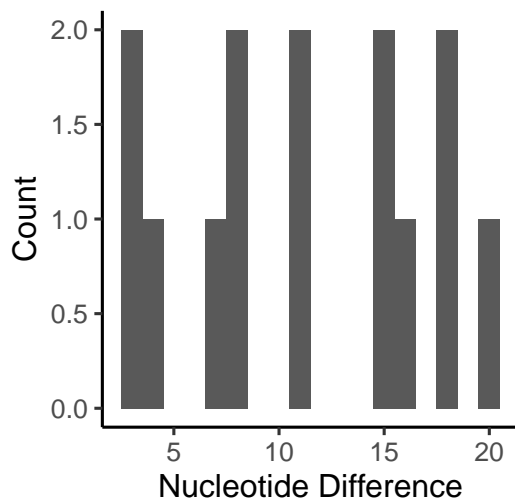
IGHV1-46*03

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



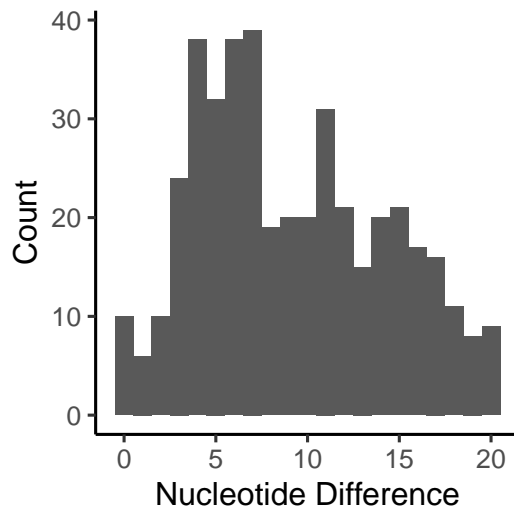
IGHV1-58*02

23 sequences assigned
No exact matches.



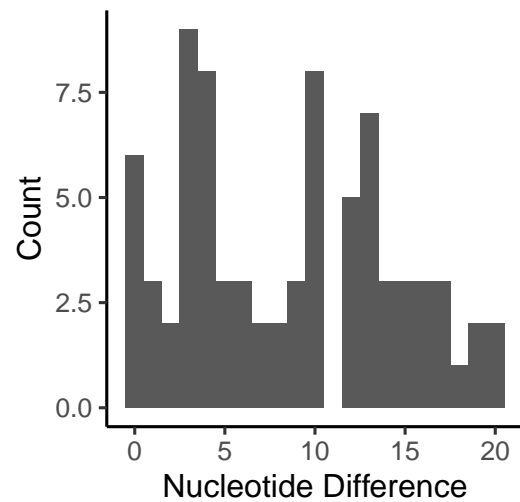
IGHV2-5*02

528 sequences assigned
10 (1.9%) exact matches, in which:
10 unique CDR3
3 unique J



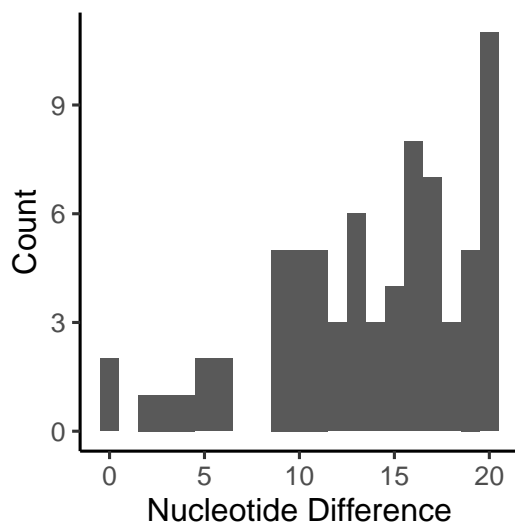
IGHV2-70*11_15

93 sequences assigned
6 (6.5%) exact matches, in which:
6 unique CDR3
4 unique J



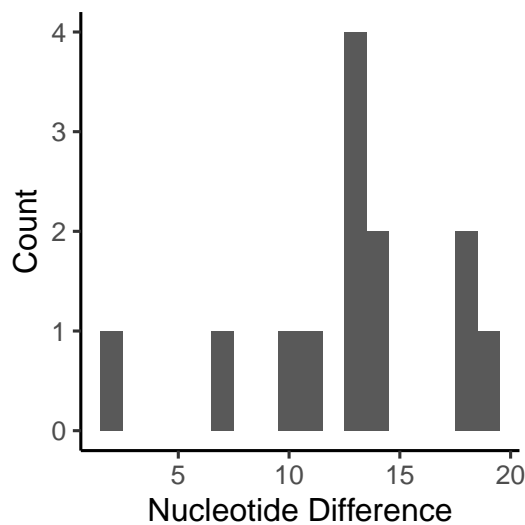
IGHV1-69*05

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



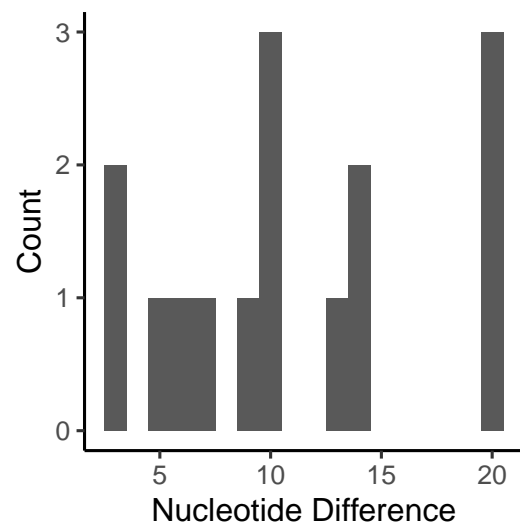
IGHV2-26*01

15 sequences assigned
No exact matches.



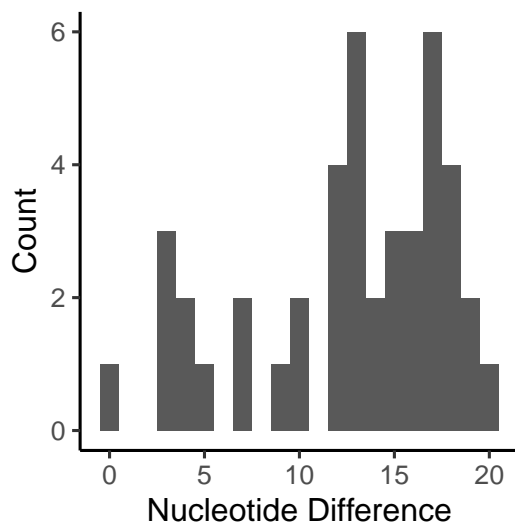
IGHV2-70*16_17

20 sequences assigned
No exact matches.



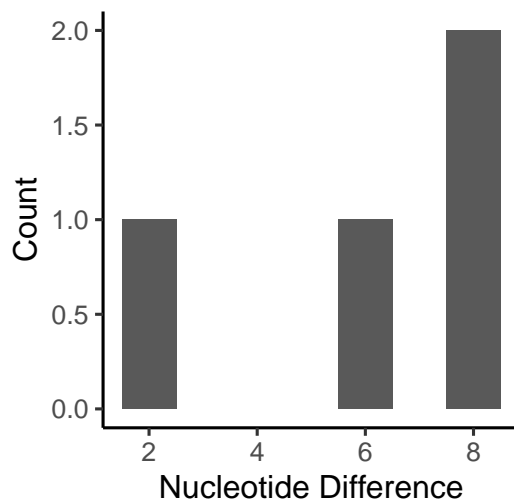
IGHV1-69*04_09

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



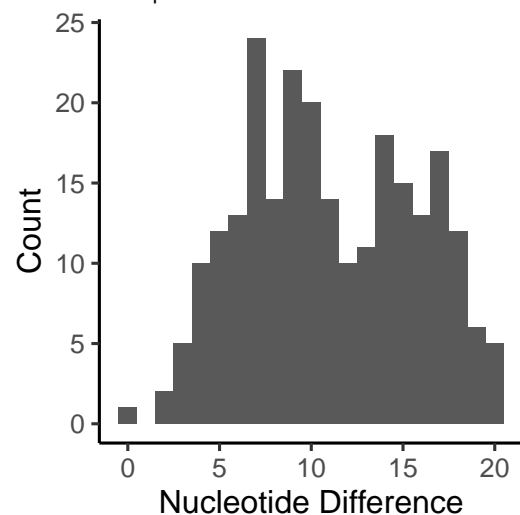
IGHV2-26*02

7 sequences assigned
No exact matches.



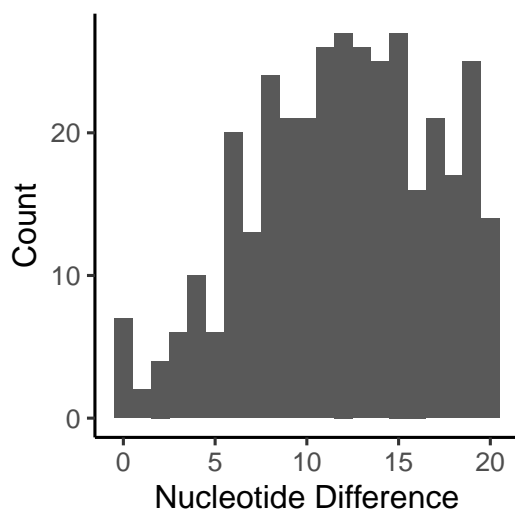
IGHV3-7*01

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



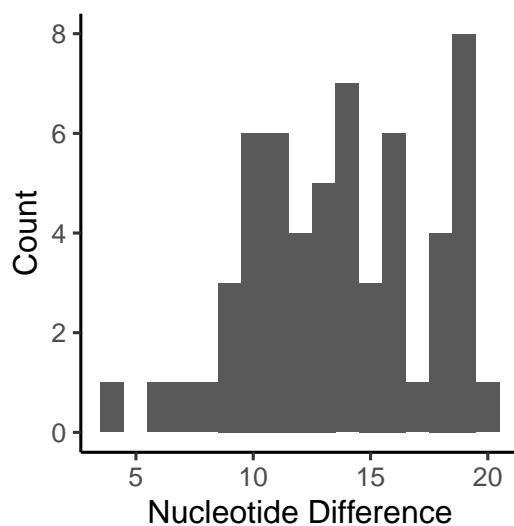
IGHV3-7*03

438 sequences assigned
7 (1.6%) exact matches, in which:
6 unique CDR3
4 unique J



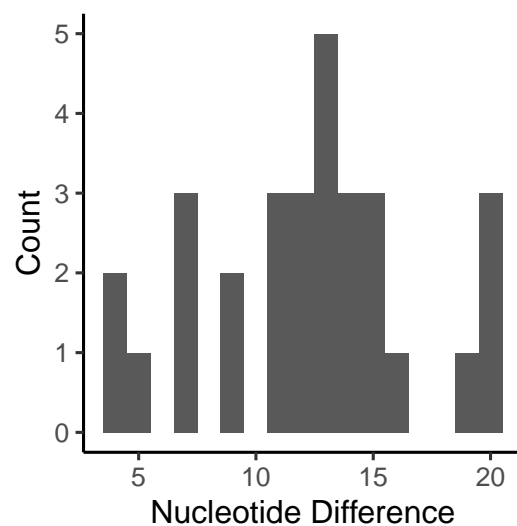
IGHV3-13*01

89 sequences assigned
No exact matches.



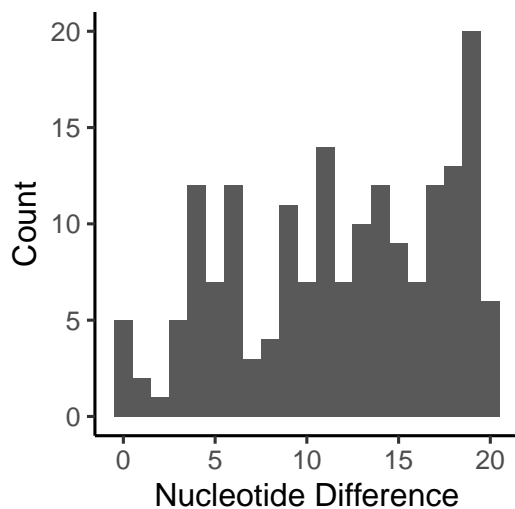
IGHV3-21*06

64 sequences assigned
No exact matches.



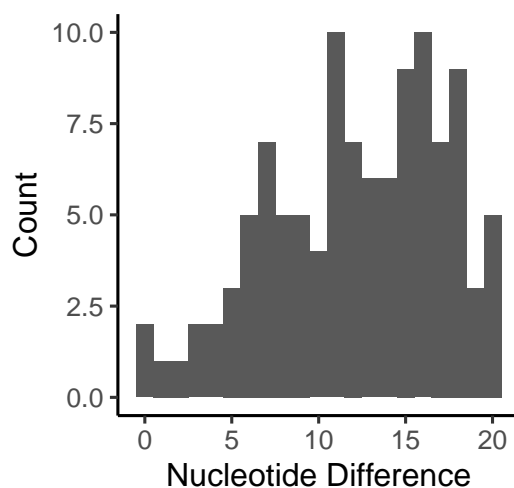
IGHV3-9*01

274 sequences assigned
5 (1.8%) exact matches, in which:
5 unique CDR3
3 unique J



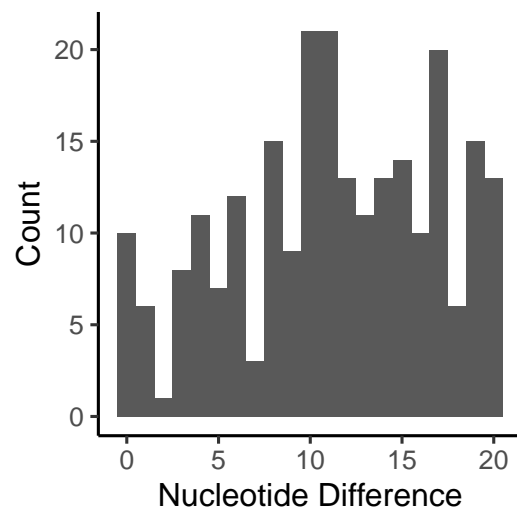
IGHV3-15*01_02

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



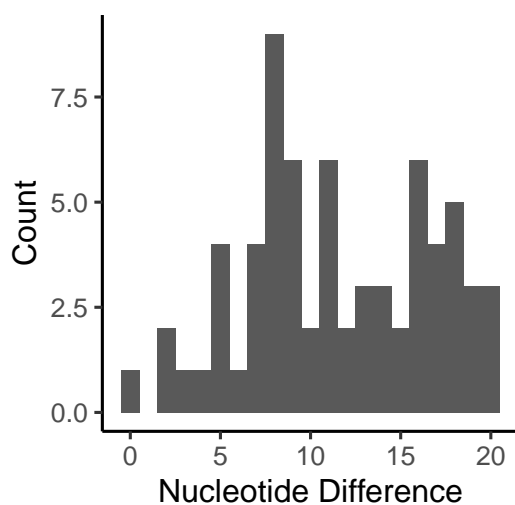
IGHV3-21*01_02

345 sequences assigned
10 (2.9%) exact matches, in which:
10 unique CDR3
4 unique J



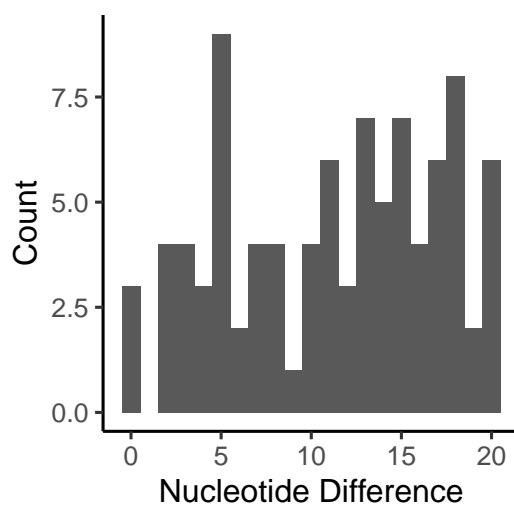
IGHV3-11*01

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



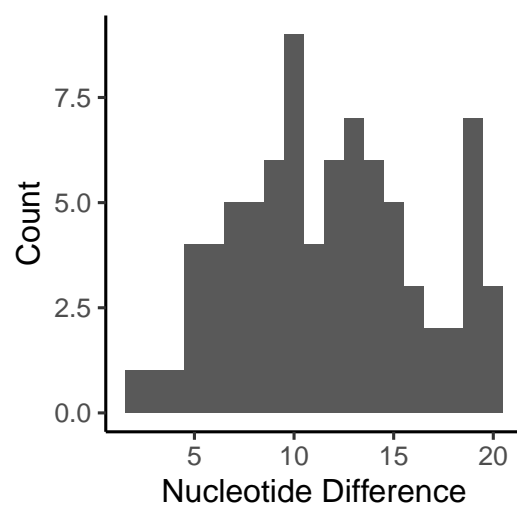
IGHV3-20*03_04

134 sequences assigned
3 (2.2%) exact matches, in which:
2 unique CDR3
2 unique J



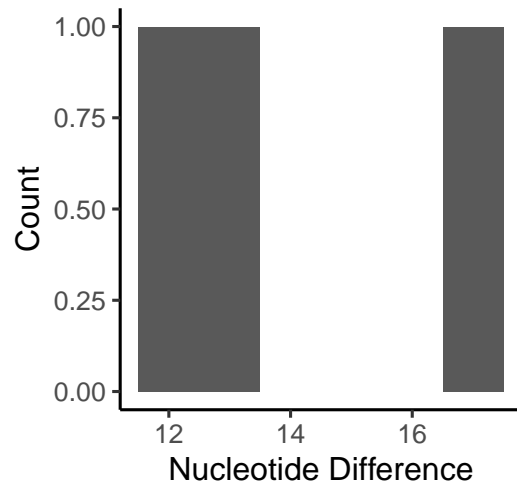
IGHV3-33*01

129 sequences assigned
No exact matches.



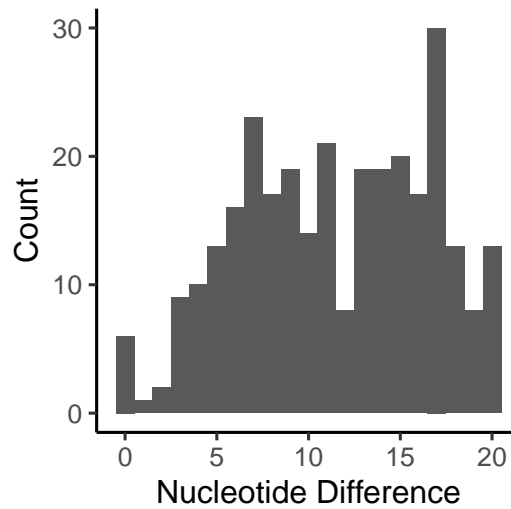
IGHV3-33*03

12 sequences assigned
No exact matches.



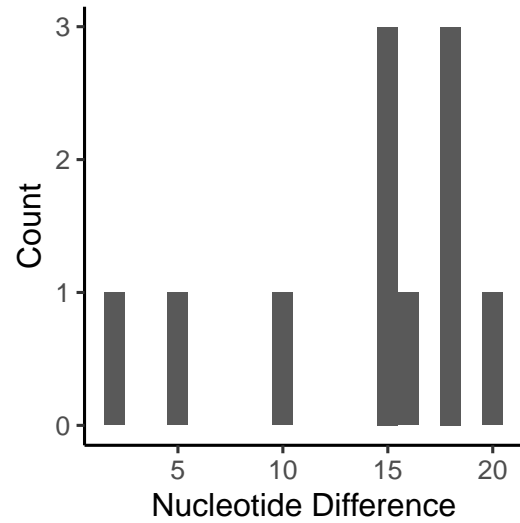
IGHV3-48*01

473 sequences assigned
6 (1.3%) exact matches, in which:
6 unique CDR3
4 unique J



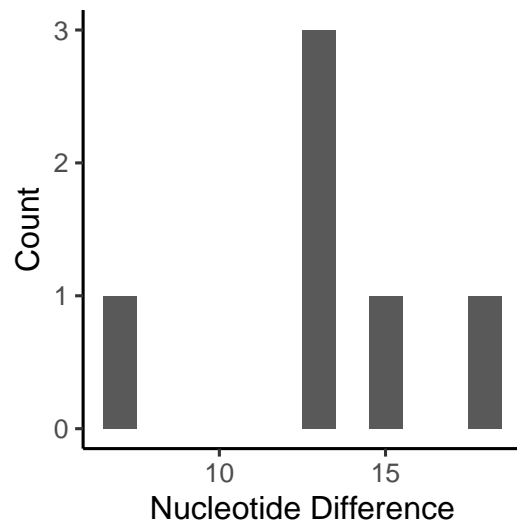
IGHV3-53*04

20 sequences assigned
No exact matches.



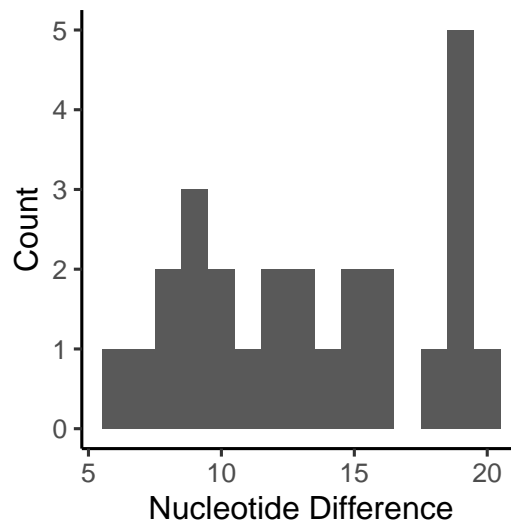
IGHV3-33*06

10 sequences assigned
No exact matches.



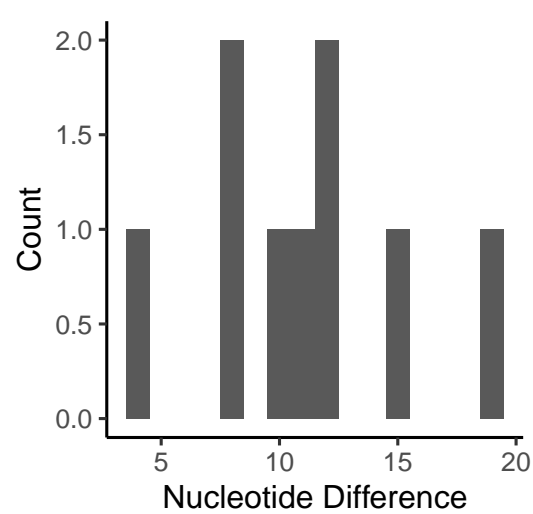
IGHV3-48*04

62 sequences assigned
No exact matches.



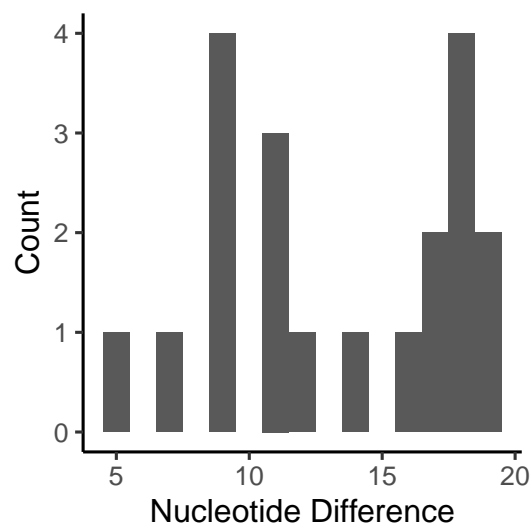
IGHV3-53*01_02

13 sequences assigned
No exact matches.



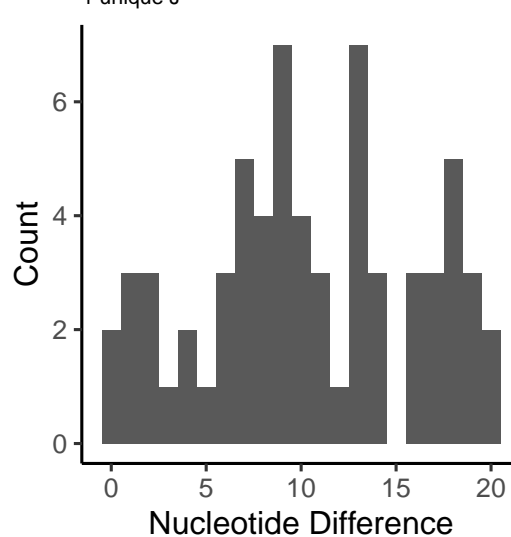
IGHV3-43*01

34 sequences assigned
No exact matches.



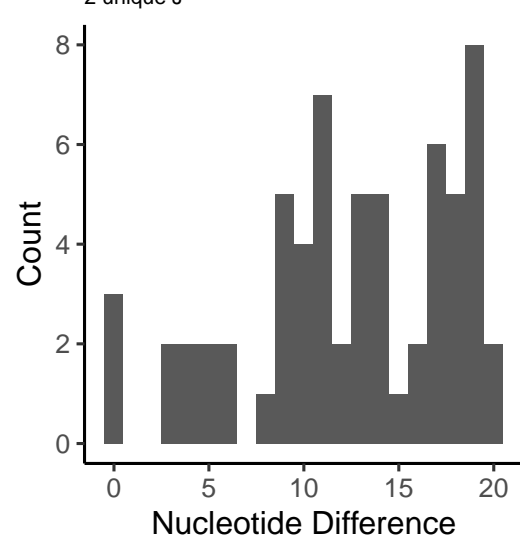
IGHV3-49*03_05

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



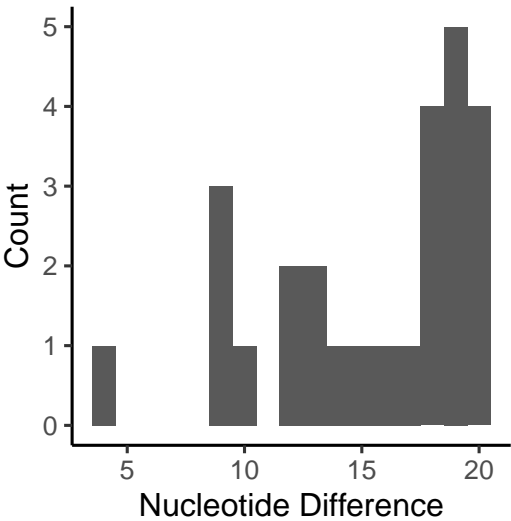
IGHV3-64*01

90 sequences assigned
3 (3.3%) exact matches, in which:
2 unique CDR3
2 unique J



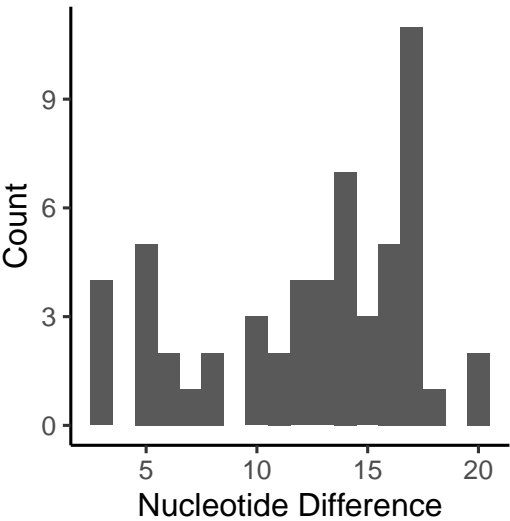
IGHV3-64*02_07

38 sequences assigned
No exact matches.



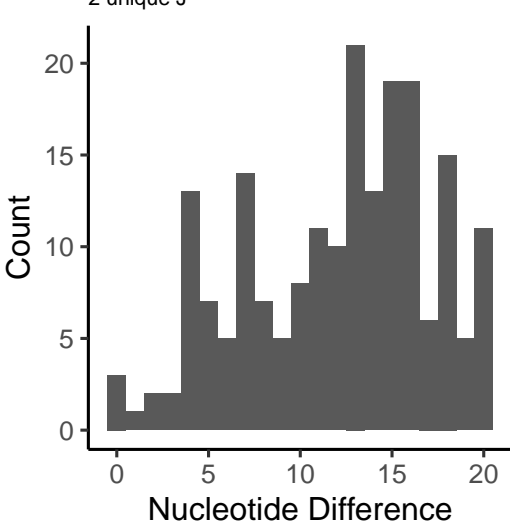
IGHV3-72*01

72 sequences assigned
No exact matches.



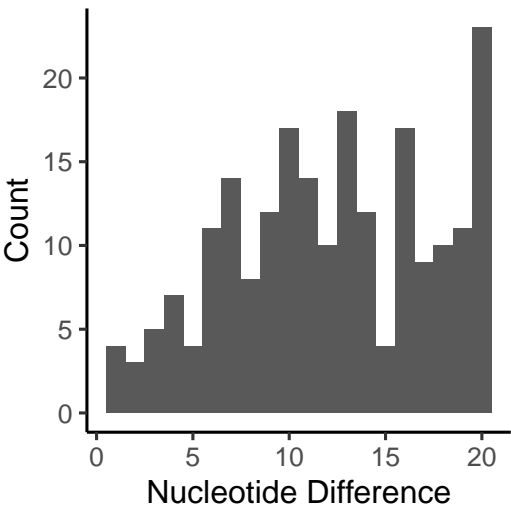
IGHV3-74*01_02

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



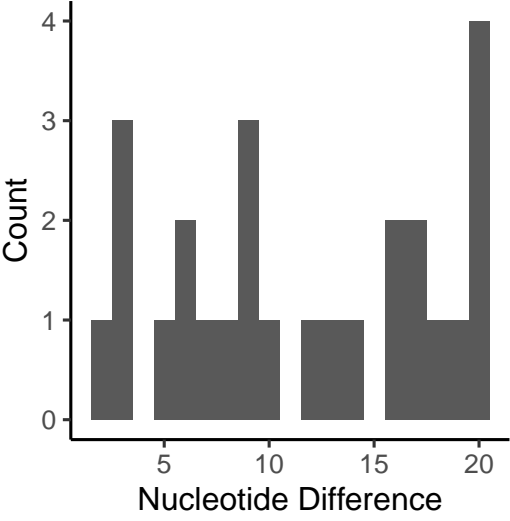
IGHV3-66*01

345 sequences assigned
No exact matches.



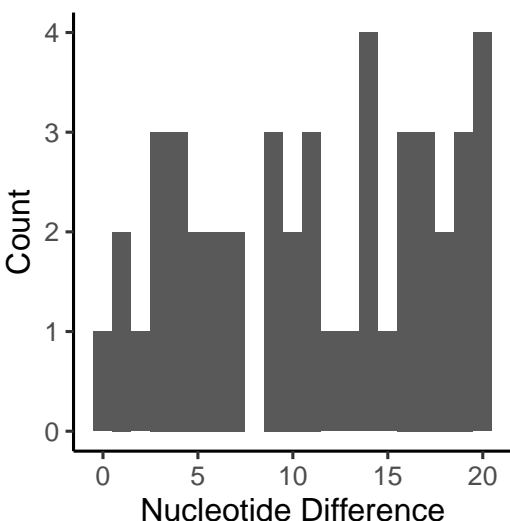
IGHV3-73*01_02

40 sequences assigned
No exact matches.



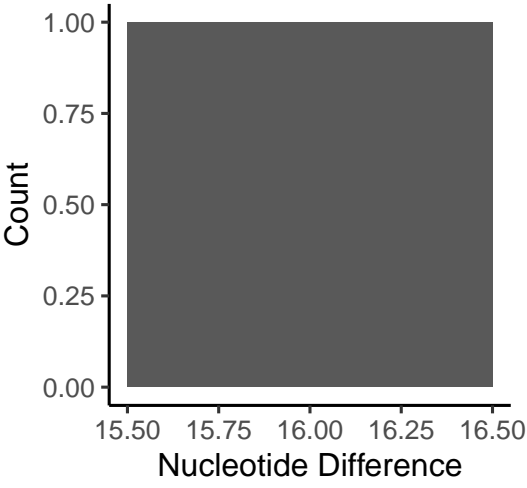
IGHV3-43D*04

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



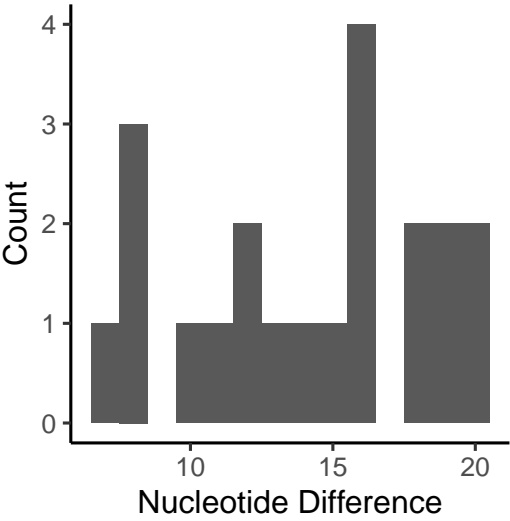
IGHV3-69-1*01

3 sequences assigned
No exact matches.



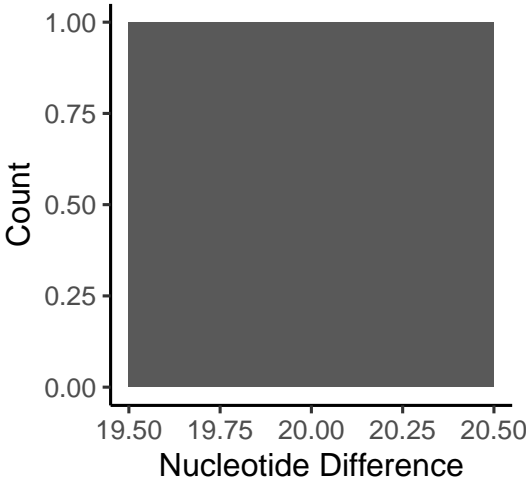
IGHV3-74*03

37 sequences assigned
No exact matches.



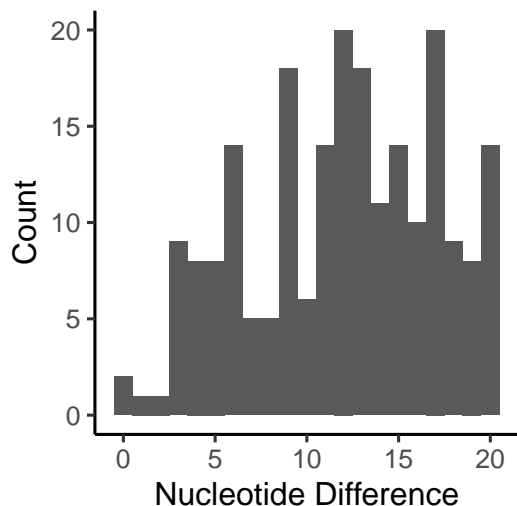
IGHV3-64D*06

1 sequences assigned
No exact matches.



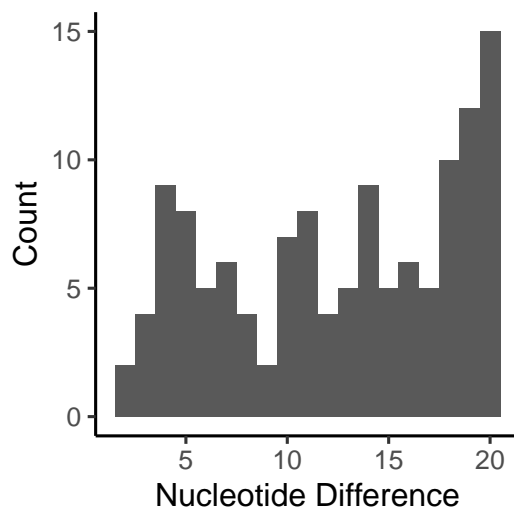
IGHV4-4*07

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



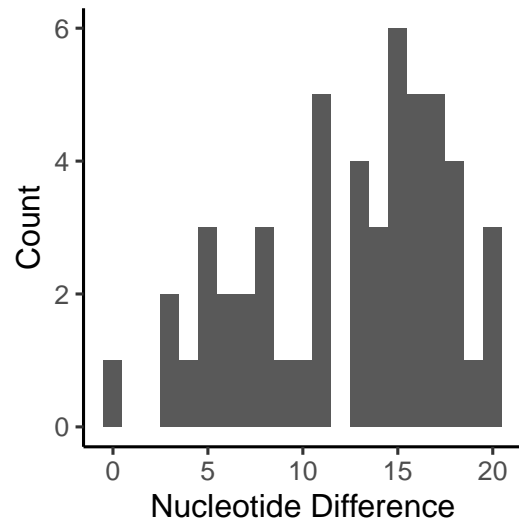
IGHV4-31*03_04

278 sequences assigned
No exact matches.



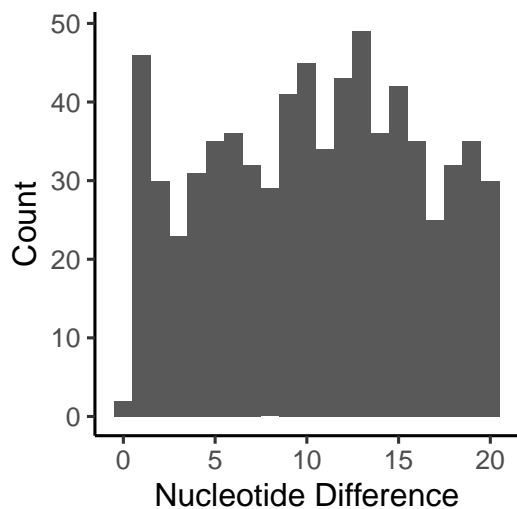
IGHV4-38-2*02

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



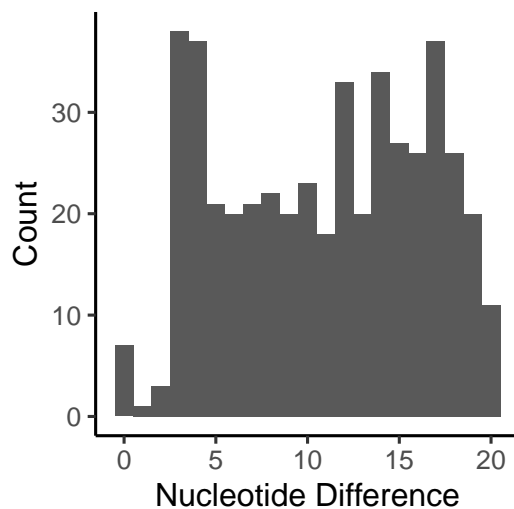
IGHV4-4*09

1074 sequences assigned
2 (0.2%) exact matches, in which:
2 unique CDR3
2 unique J



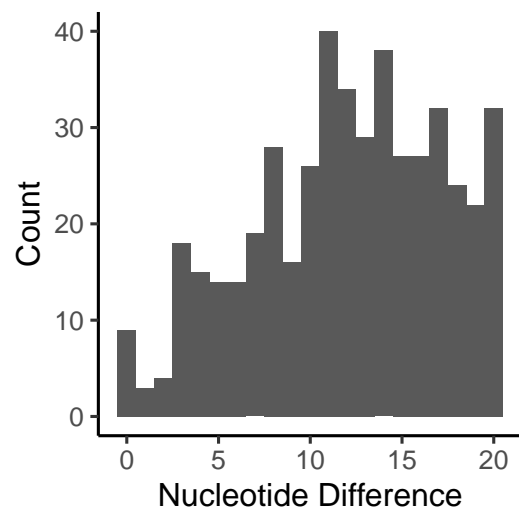
IGHV4-34*01_02

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



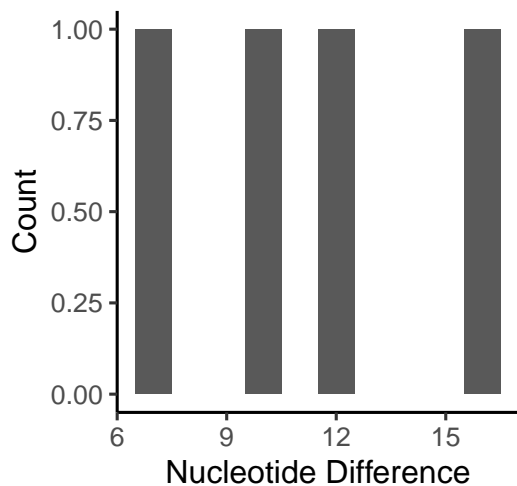
IGHV4-39*07

802 sequences assigned
9 (1.1%) exact matches, in which:
8 unique CDR3
3 unique J



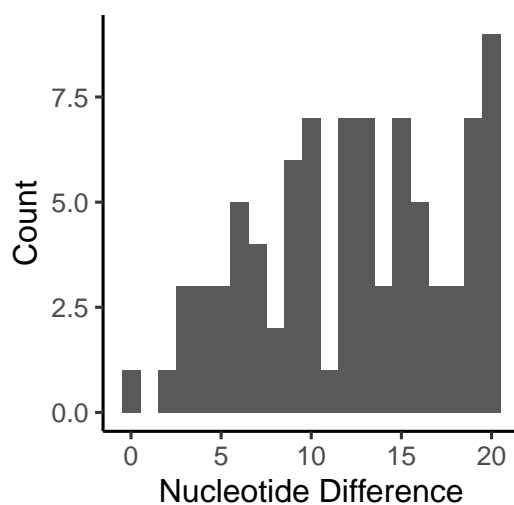
IGHV4-28*06

8 sequences assigned
No exact matches.



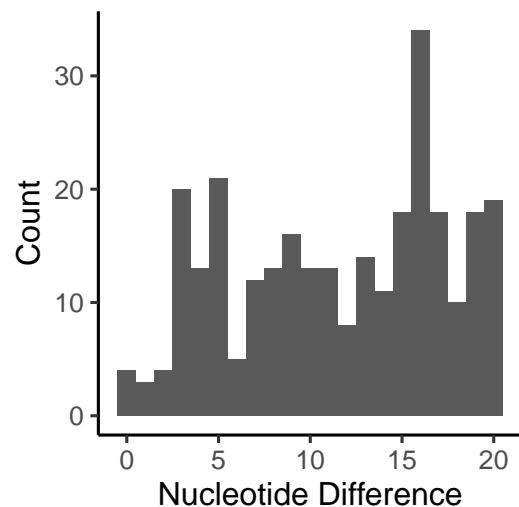
IGHV4-38-2*01

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



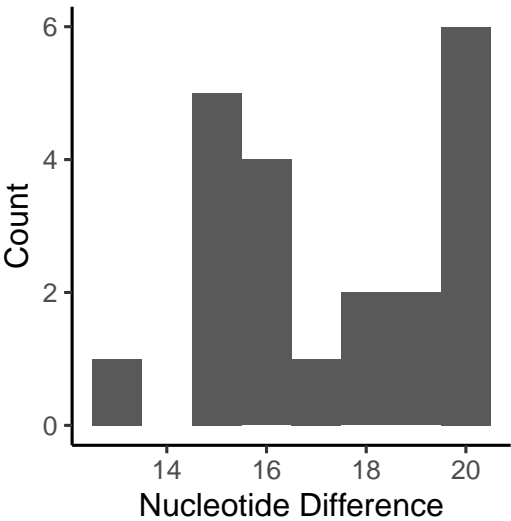
IGHV4-39*01_05

565 sequences assigned
4 (0.7%) exact matches, in which:
4 unique CDR3
3 unique J



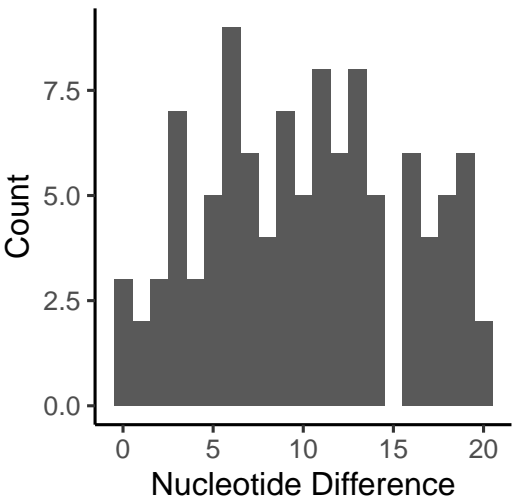
IGHV4-55*02_04_08

125 sequences assigned
No exact matches.



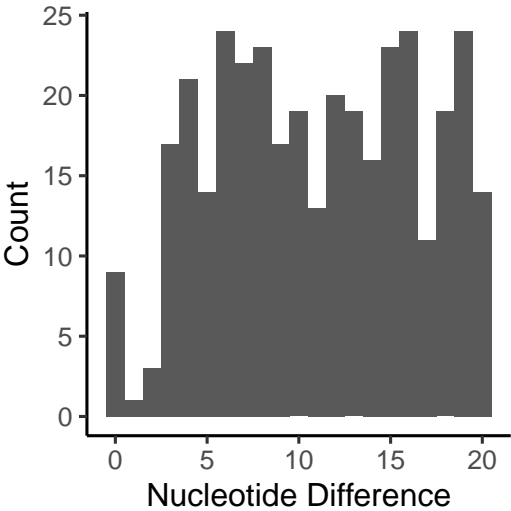
IGHV5-51*01_03

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



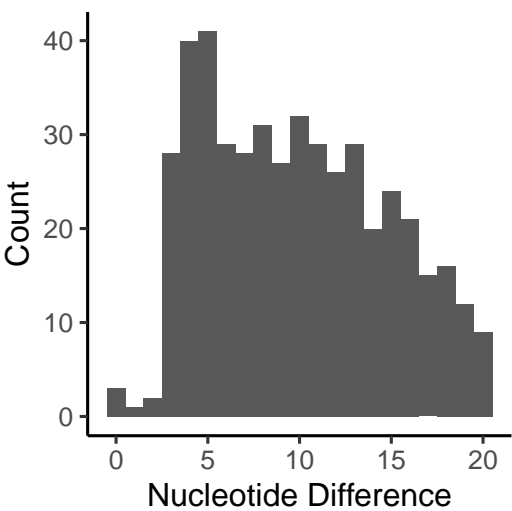
IGHV4-59*08

598 sequences assigned
9 (1.5%) exact matches, in which:
5 unique CDR3
2 unique J



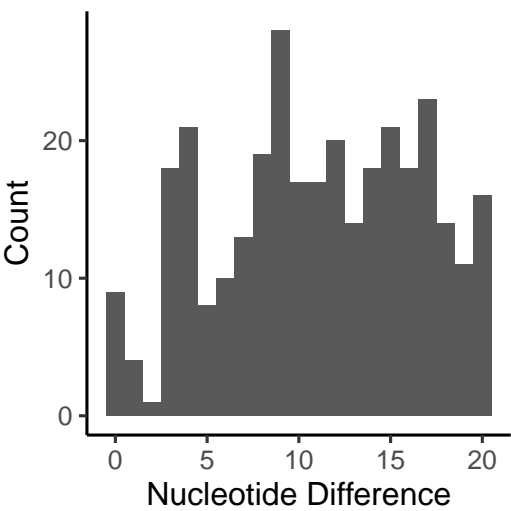
IGHV6-1*01_02

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



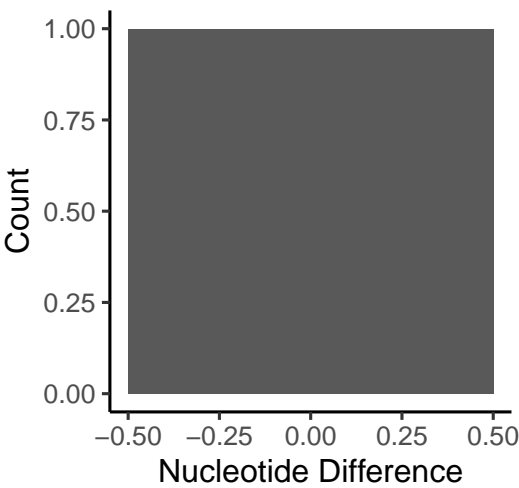
IGHV4-59*01_07

583 sequences assigned
9 (1.5%) exact matches, in which:
6 unique CDR3
1 unique J

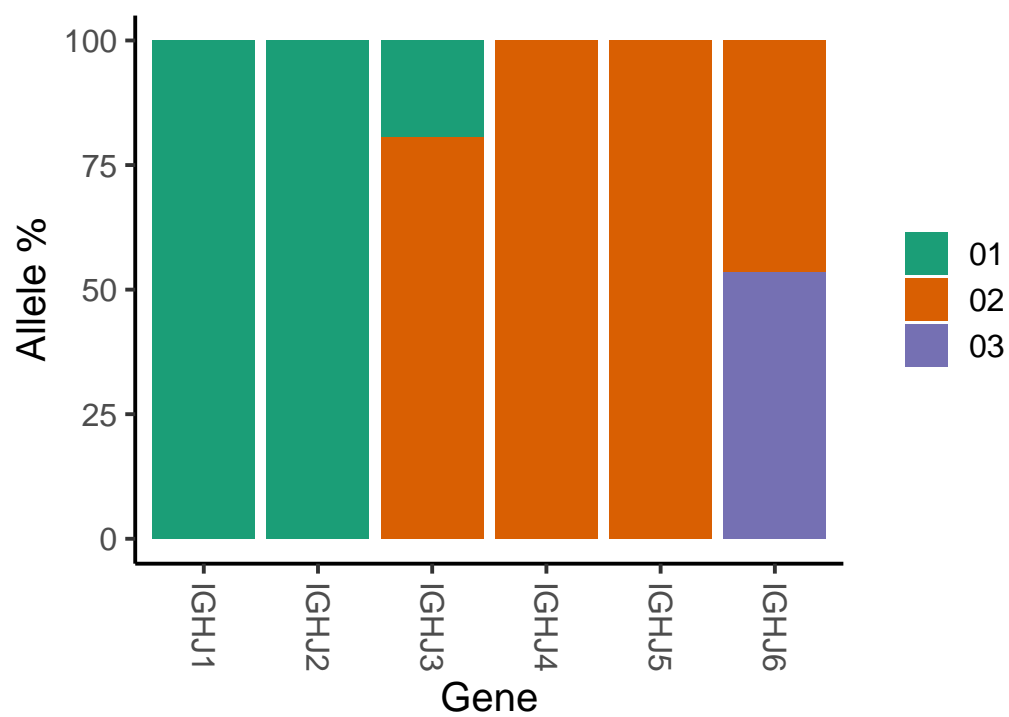


IGHV7-4-1*01

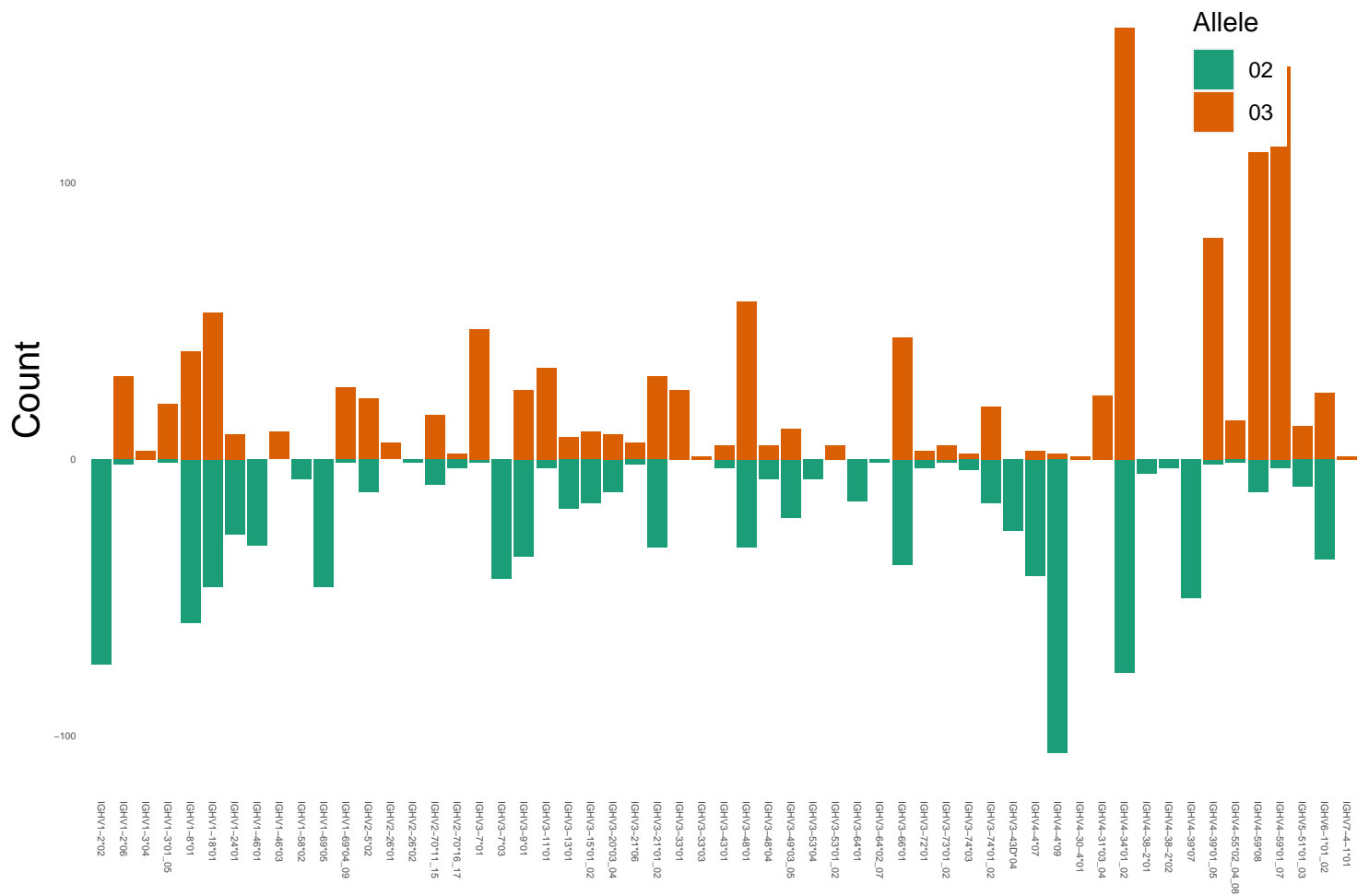
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.

Novel sequence(s)IGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.