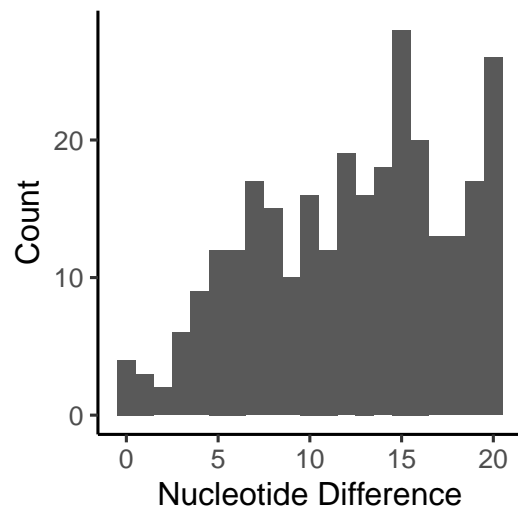


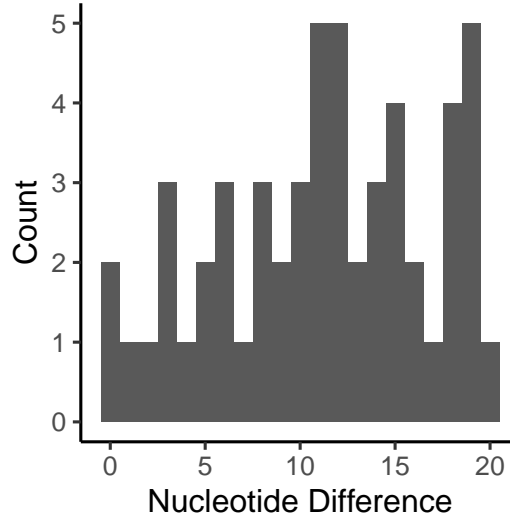
IGHV1-2*02

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



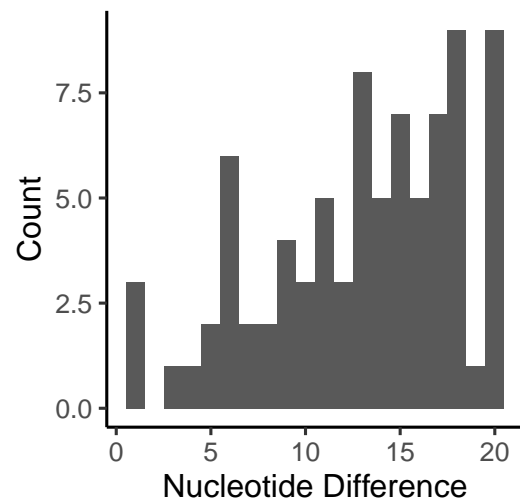
IGHV1-3*01_05

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



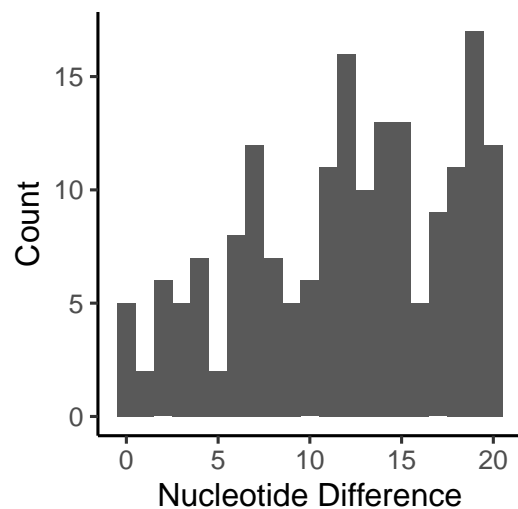
IGHV1-24*01

198 sequences assigned
No exact matches.



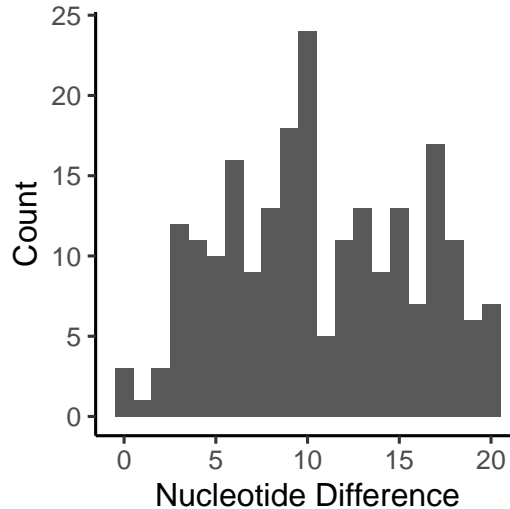
IGHV1-2*06

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



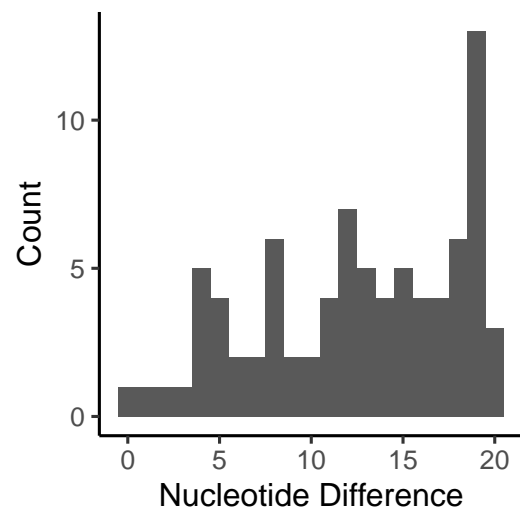
IGHV1-8*01

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



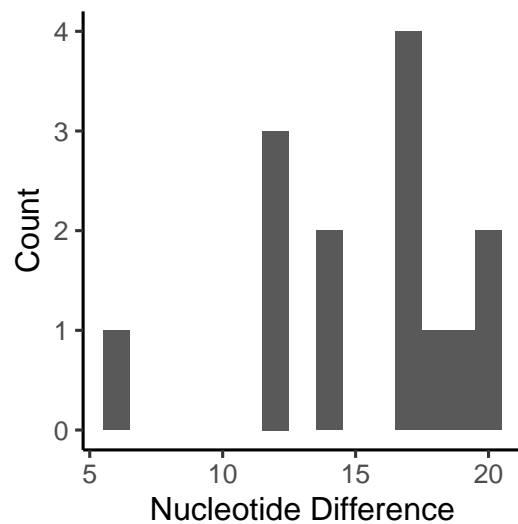
IGHV1-46*01

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



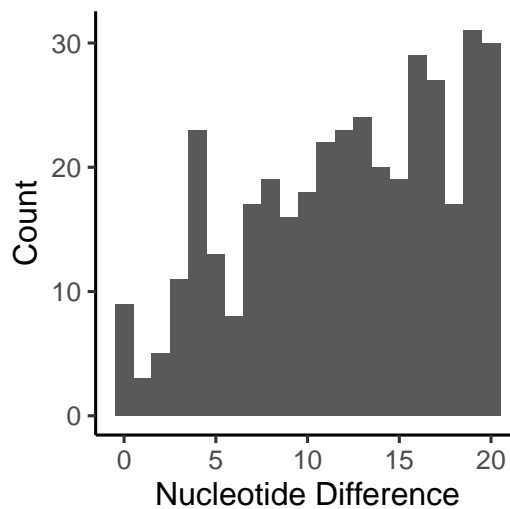
IGHV1-3*04

24 sequences assigned
No exact matches.



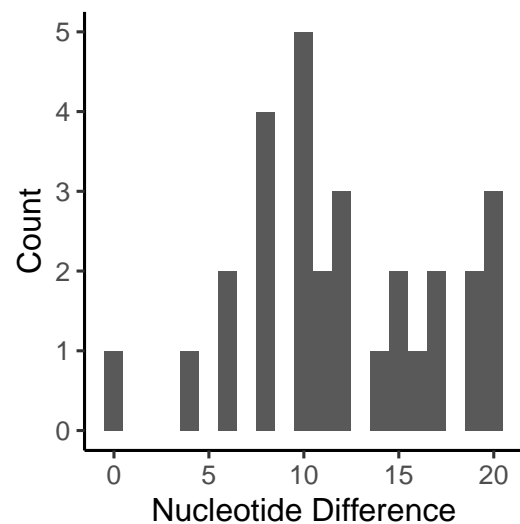
IGHV1-18*01

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



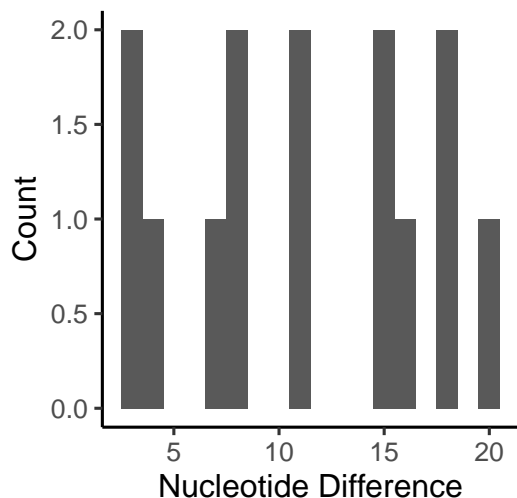
IGHV1-46*03

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



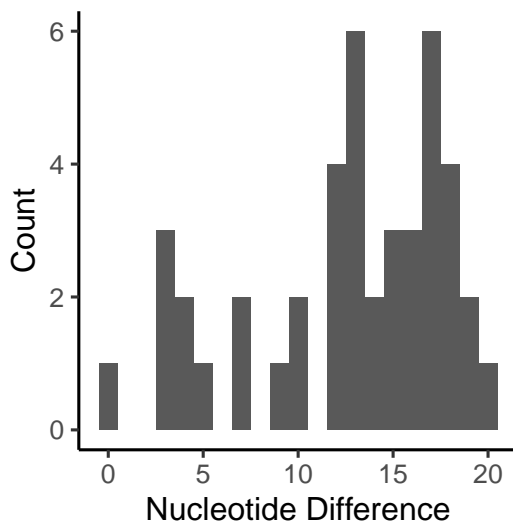
IGHV1-58*02

23 sequences assigned
No exact matches.



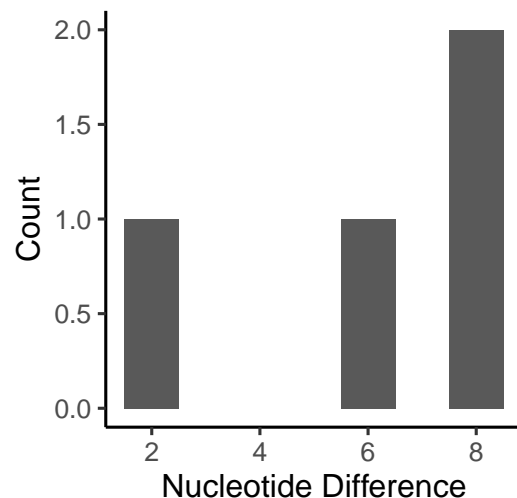
IGHV1-69*04_09

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



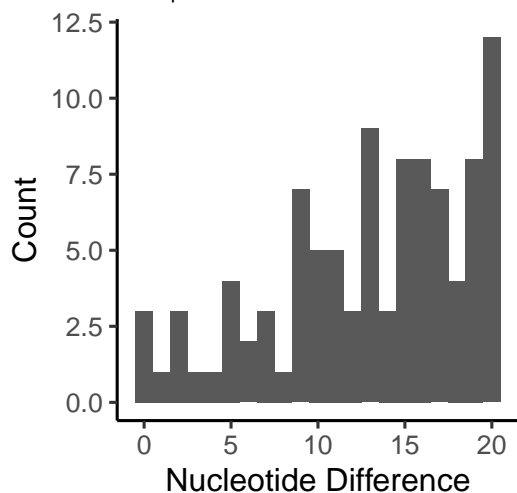
IGHV2-26*02

7 sequences assigned
No exact matches.



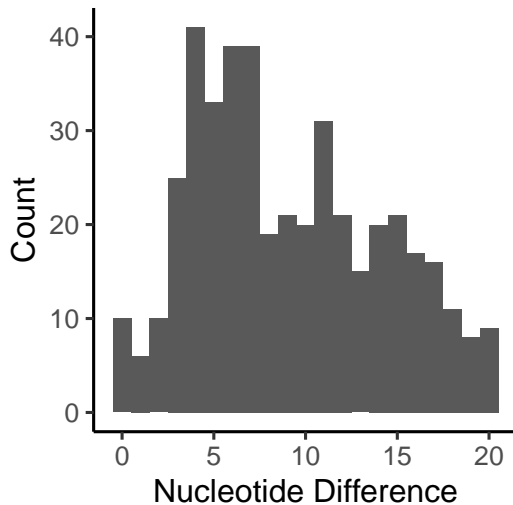
IGHV1-69*05

221 sequences assigned
3 (1.4%) exact matches, in which:
3 unique CDR3
3 unique J



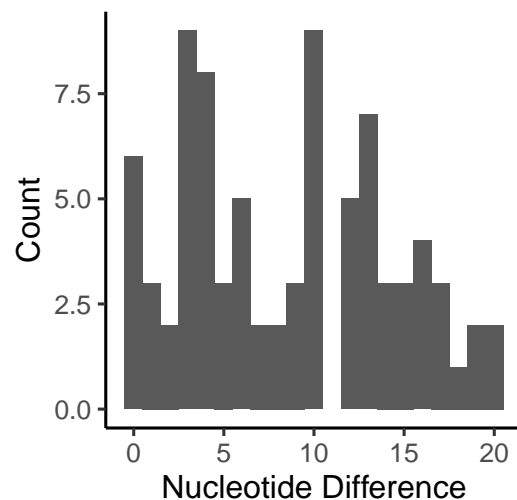
IGHV2-5*02

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



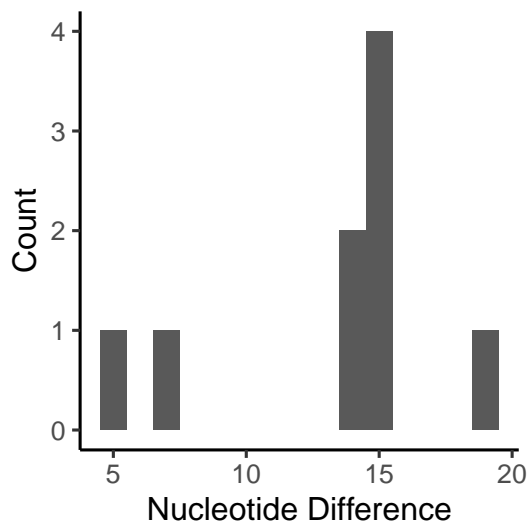
IGHV2-70*11_15

97 sequences assigned
6 (6.2%) exact matches, in which:
6 unique CDR3
4 unique J



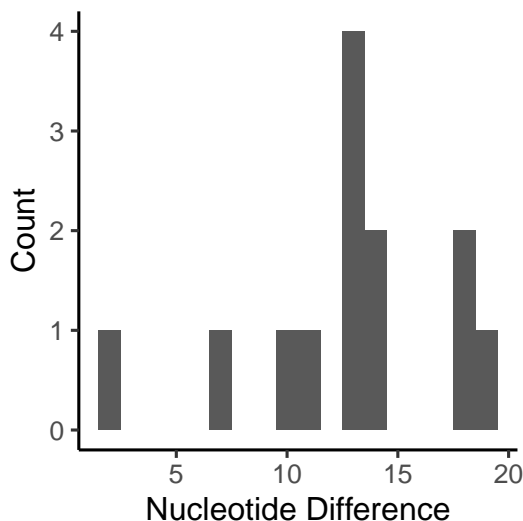
IGHV1-69*01_12_13

39 sequences assigned
No exact matches.



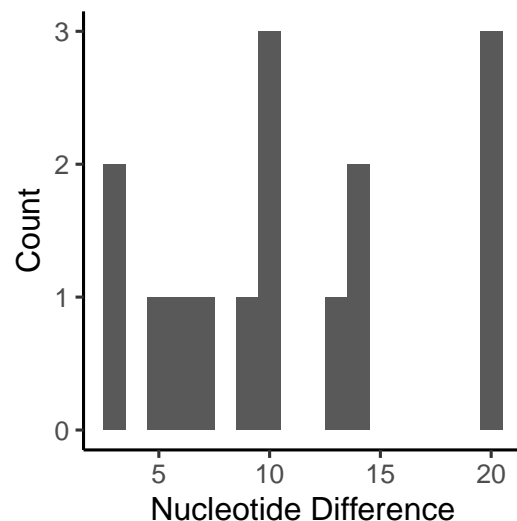
IGHV2-26*01

15 sequences assigned
No exact matches.



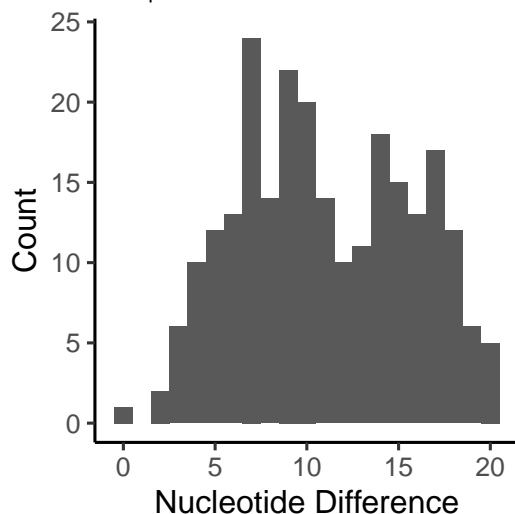
IGHV2-70*16_17

23 sequences assigned
No exact matches.



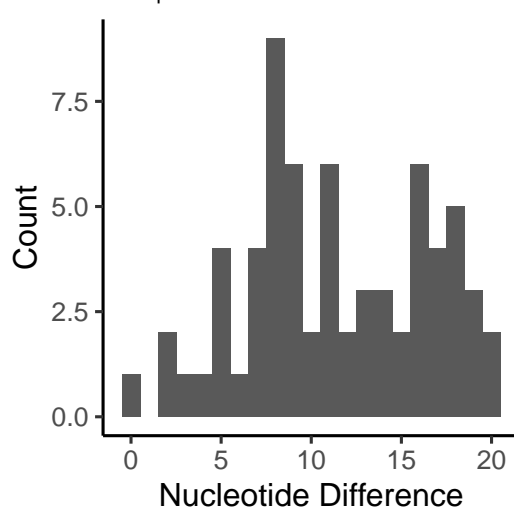
IGHV3-7*01

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



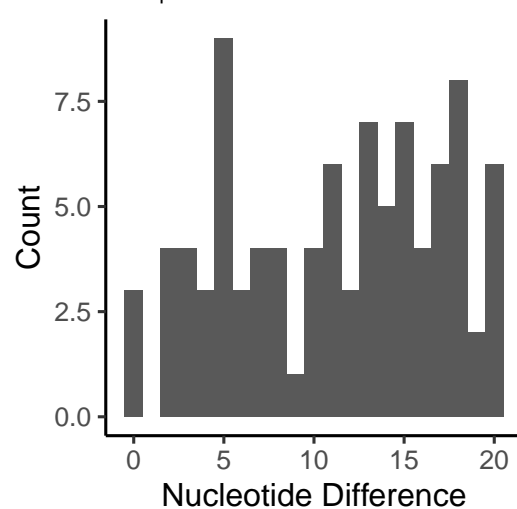
IGHV3-11*01

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



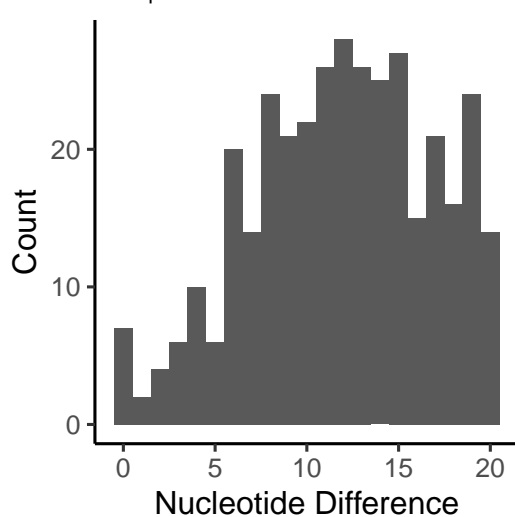
IGHV3-20*03_04

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



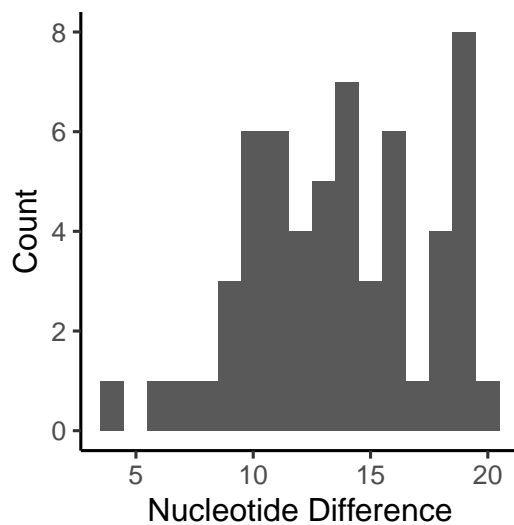
IGHV3-7*03

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



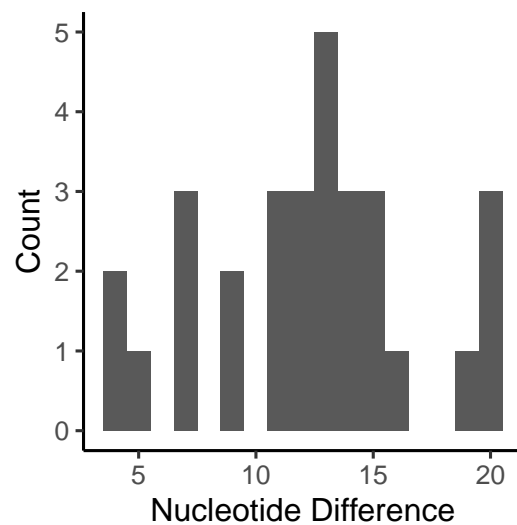
IGHV3-13*01

89 sequences assigned
No exact matches.



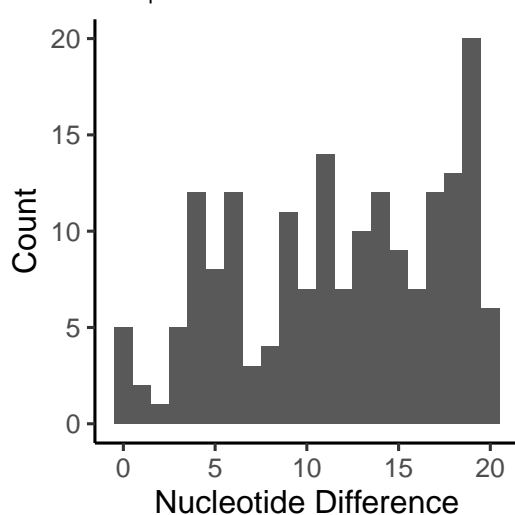
IGHV3-21*06

67 sequences assigned
No exact matches.



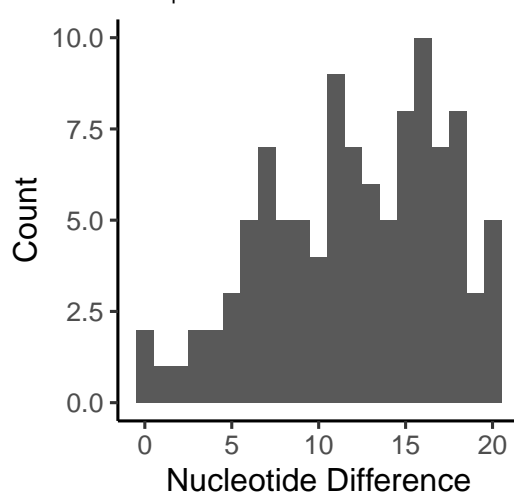
IGHV3-9*01

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



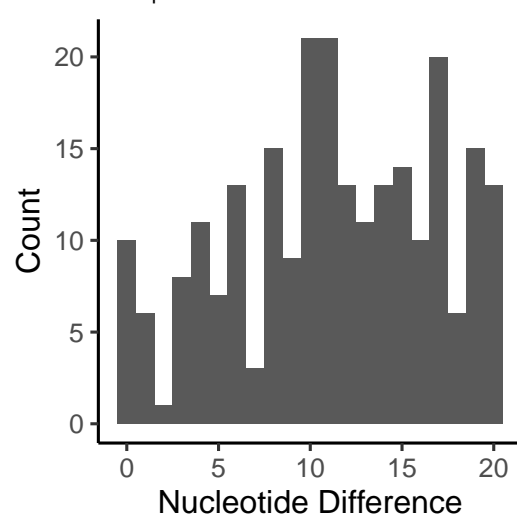
IGHV3-15*01_02

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



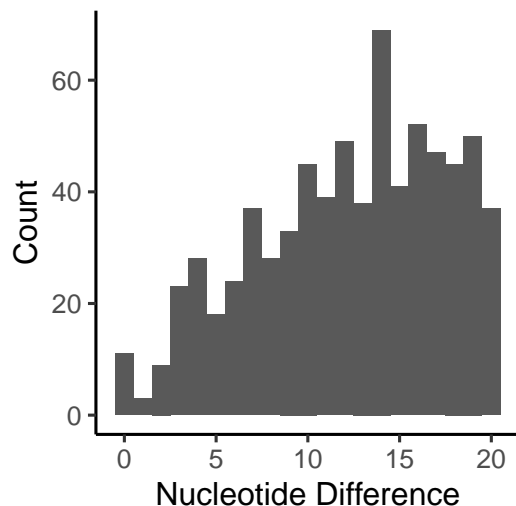
IGHV3-21*01_02

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



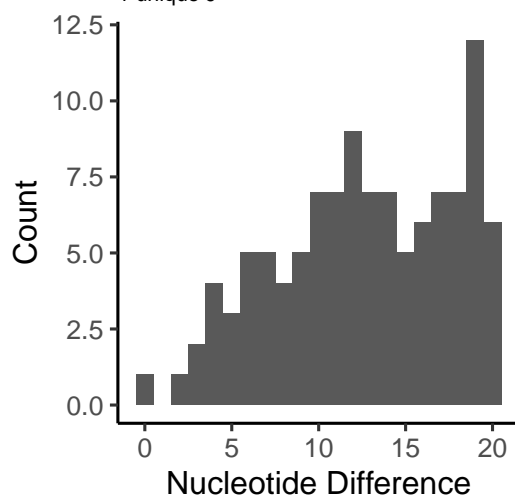
IGHV3-23*01_04

1206 sequences assigned
11 (0.9%) exact matches, in which:
11 unique CDR3
4 unique J



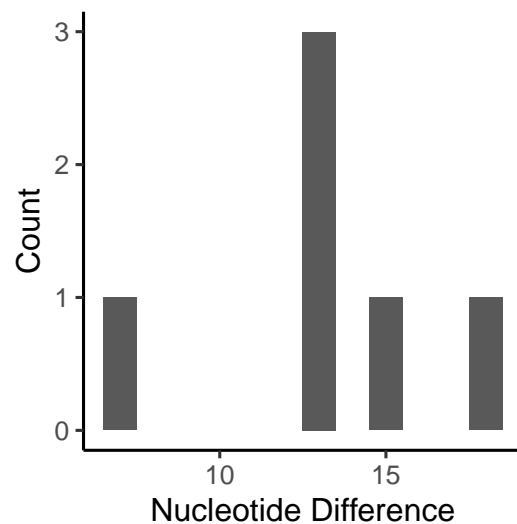
IGHV3-30*04

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



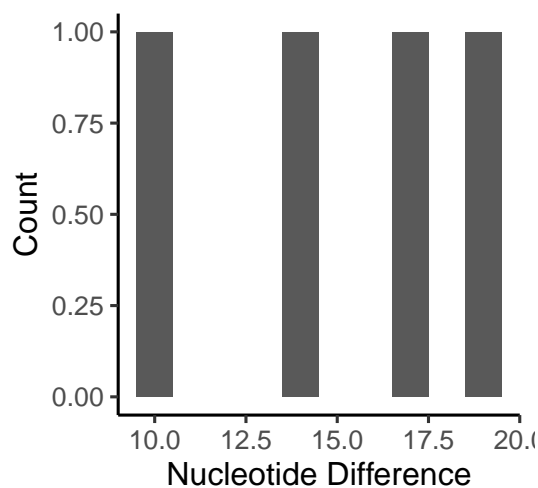
IGHV3-33*06

10 sequences assigned
No exact matches.



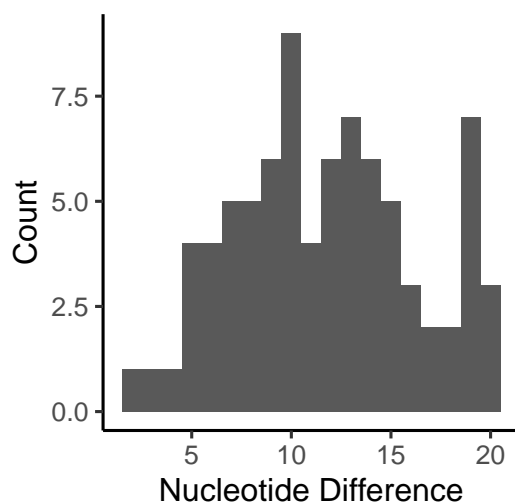
IGHV3-30-3*01

14 sequences assigned
No exact matches.



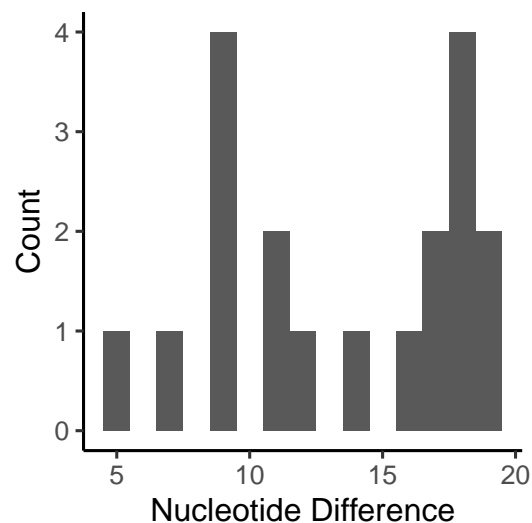
IGHV3-33*01

129 sequences assigned
No exact matches.



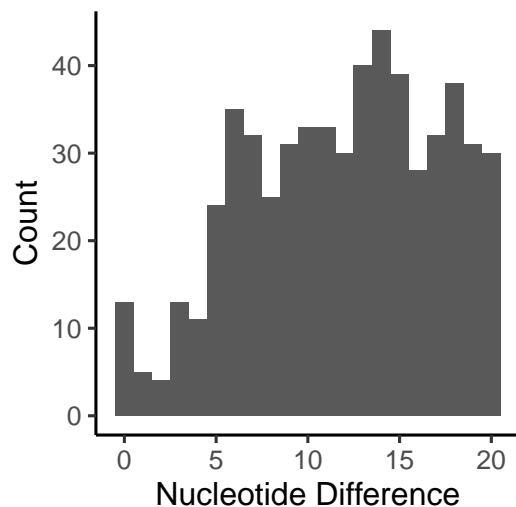
IGHV3-43*01

33 sequences assigned
No exact matches.



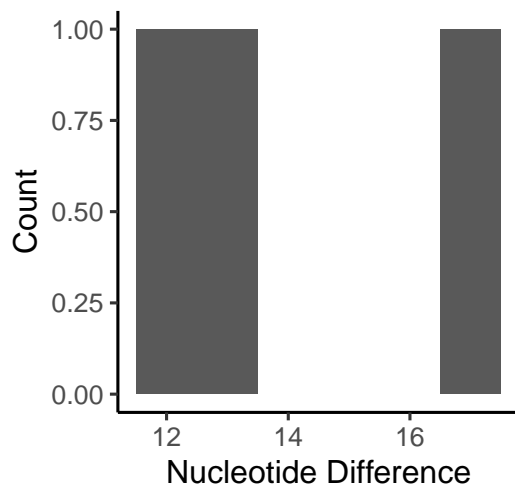
IGHV3-30*02

893 sequences assigned
13 (1.5%) exact matches, in which:
13 unique CDR3
2 unique J



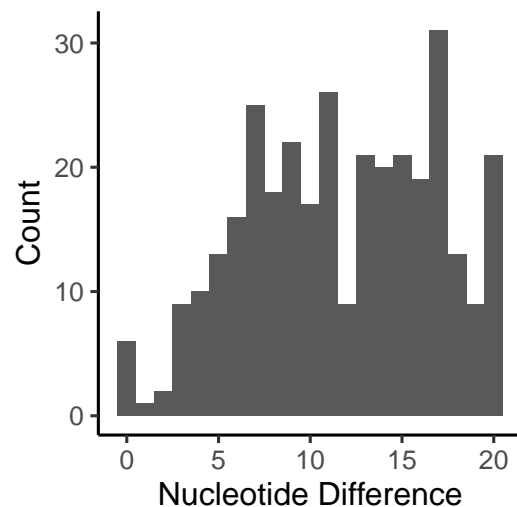
IGHV3-33*03

12 sequences assigned
No exact matches.



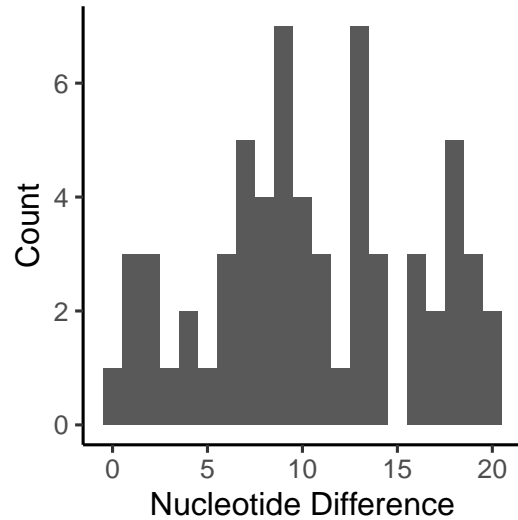
IGHV3-48*01

537 sequences assigned
6 (1.1%) exact matches, in which:
6 unique CDR3
4 unique J



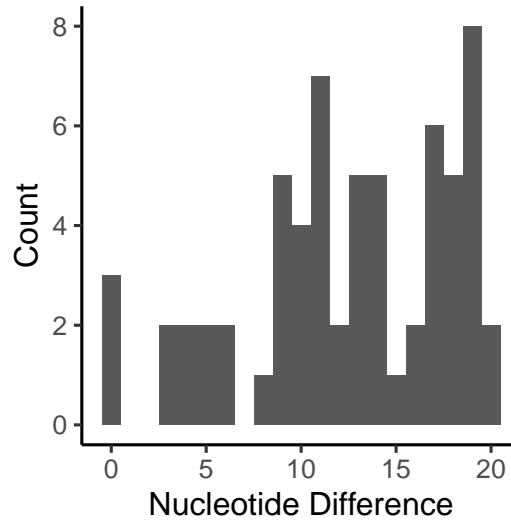
IGHV3-49*03_05

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



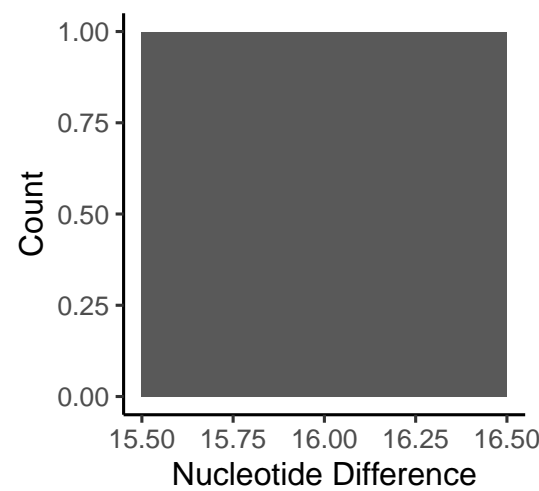
IGHV3-64*01

88 sequences assigned
3 (3.4%) exact matches, in which:
2 unique CDR3
2 unique J



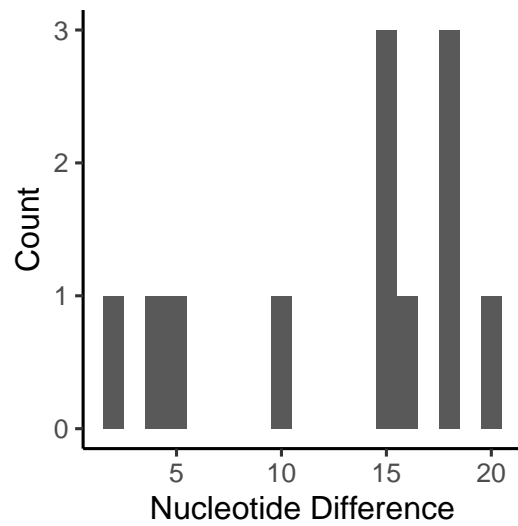
IGHV3-69-1*01

3 sequences assigned
No exact matches.



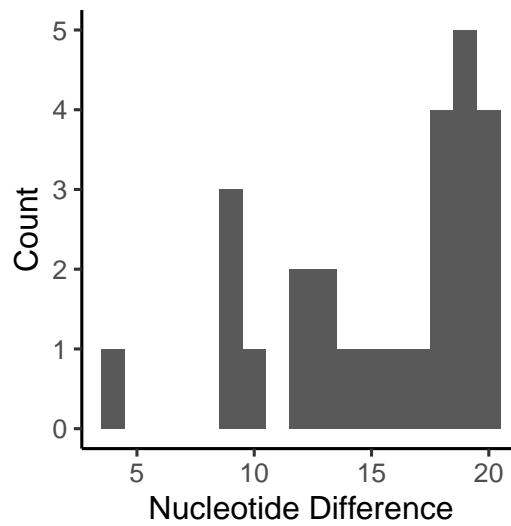
IGHV3-53*04

21 sequences assigned
No exact matches.



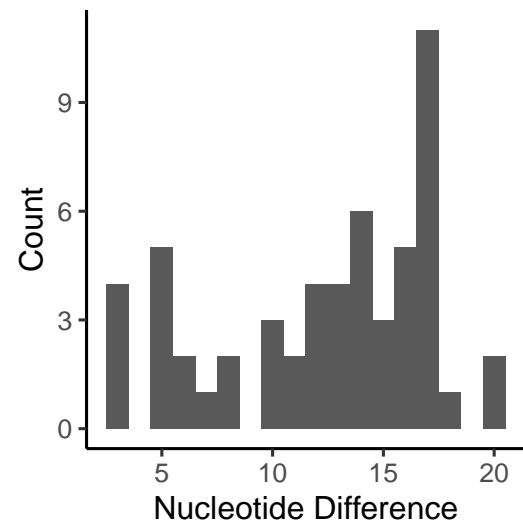
IGHV3-64*02_07

38 sequences assigned
No exact matches.



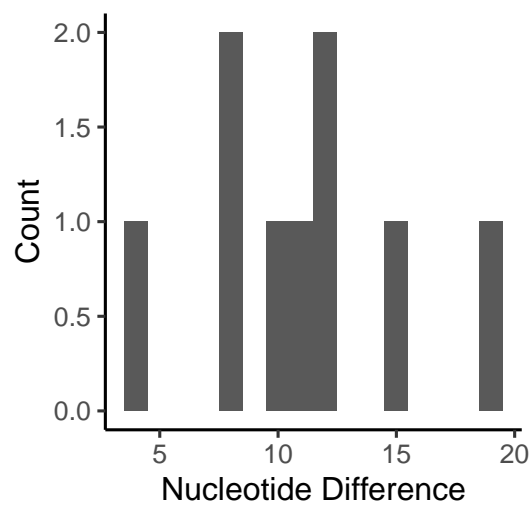
IGHV3-72*01

70 sequences assigned
No exact matches.



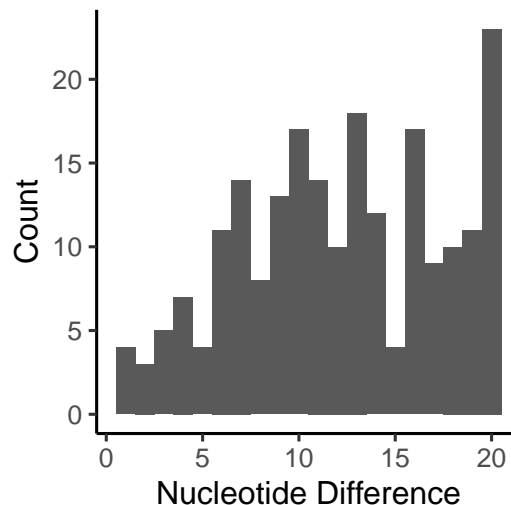
IGHV3-53*01_02

13 sequences assigned
No exact matches.



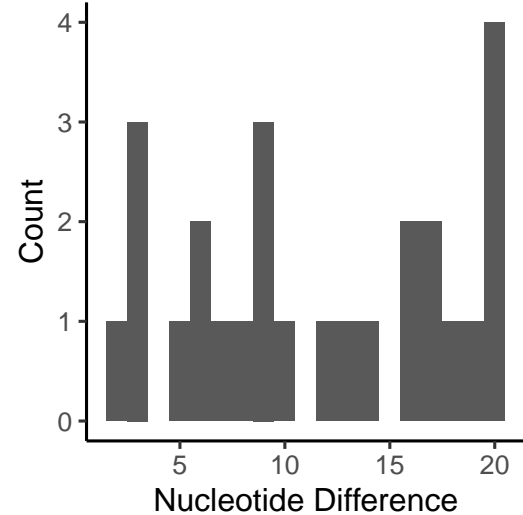
IGHV3-66*01

343 sequences assigned
No exact matches.



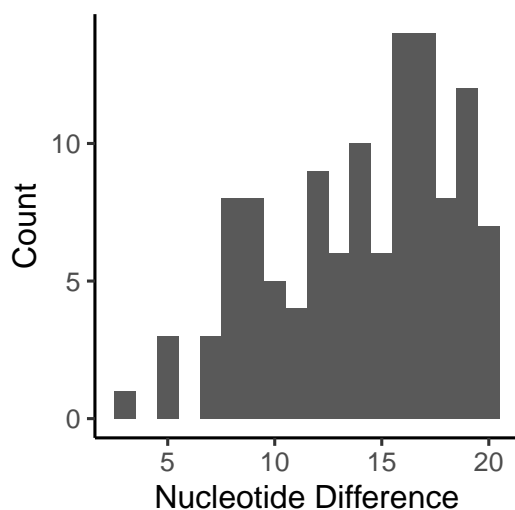
IGHV3-73*01_02

40 sequences assigned
No exact matches.



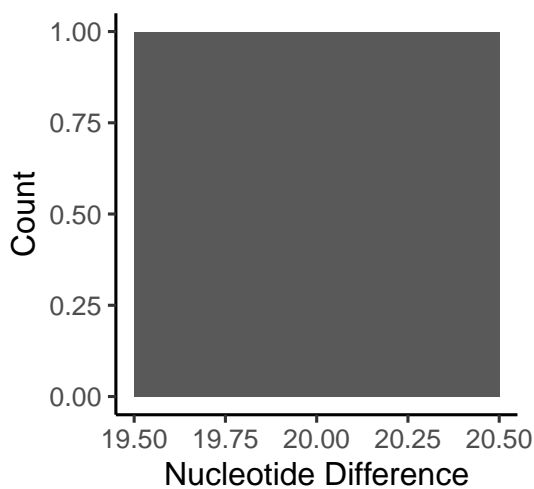
IGHV3-74*03

191 sequences assigned
No exact matches.



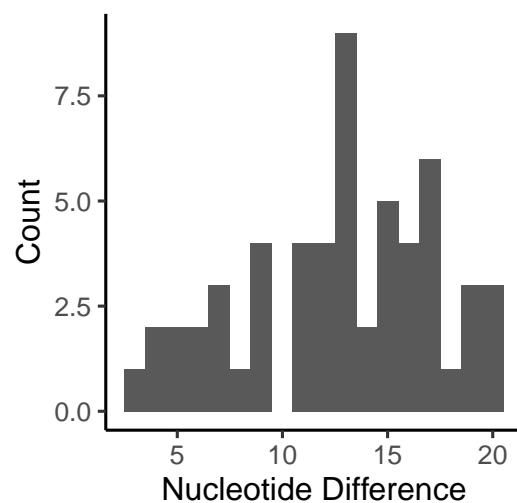
IGHV3-64D*06

1 sequences assigned
No exact matches.



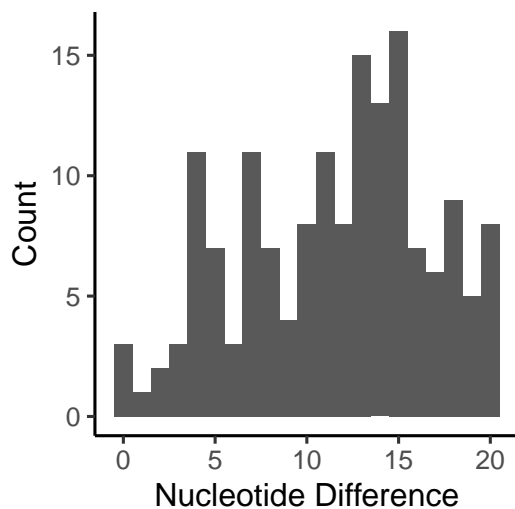
IGHV4-4*02_03

177 sequences assigned
No exact matches.



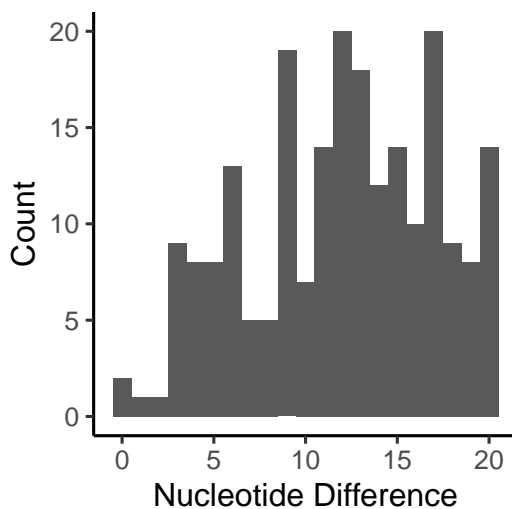
IGHV3-74*01_02

208 sequences assigned
3 (1.4%) exact matches, in which:
3 unique CDR3
2 unique J



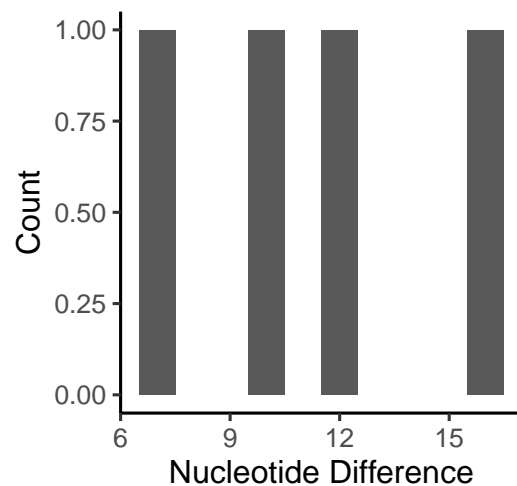
IGHV4-4*07

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



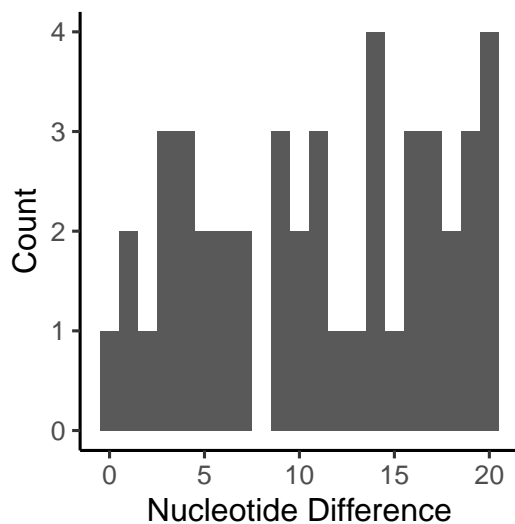
IGHV4-28*06

5 sequences assigned
No exact matches.



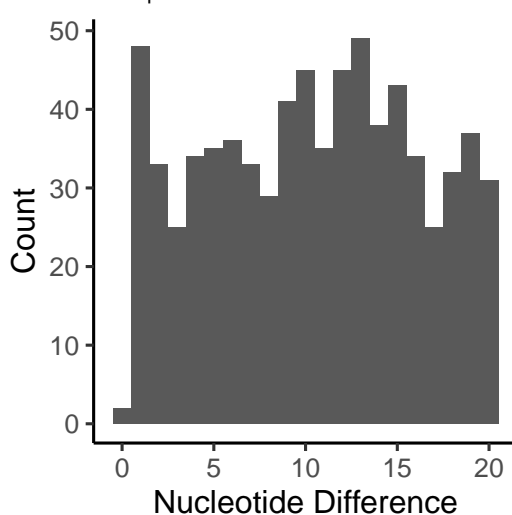
IGHV3-43D*04

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



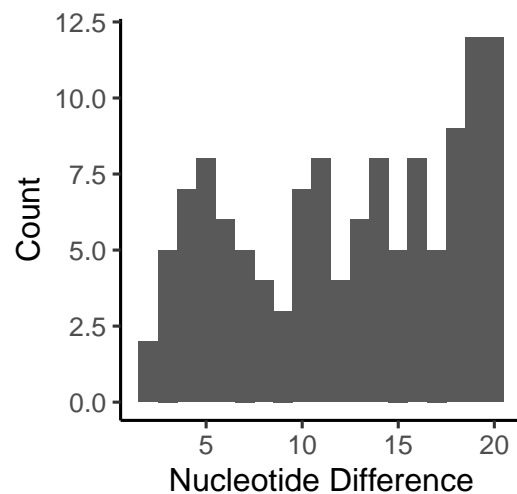
IGHV4-4*09

1102 sequences assigned
2 (0.2%) exact matches, in which:
2 unique CDR3
2 unique J



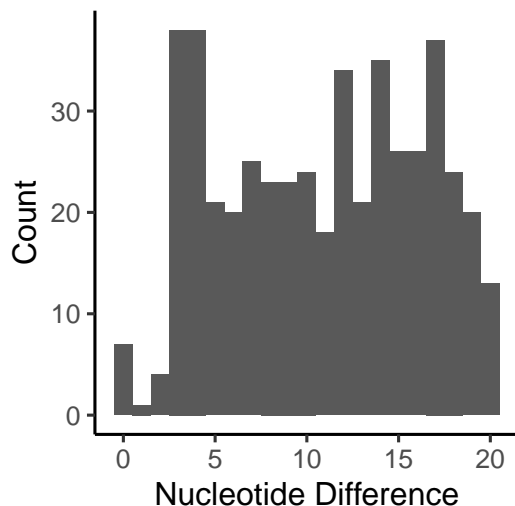
IGHV4-31*02

276 sequences assigned
No exact matches.



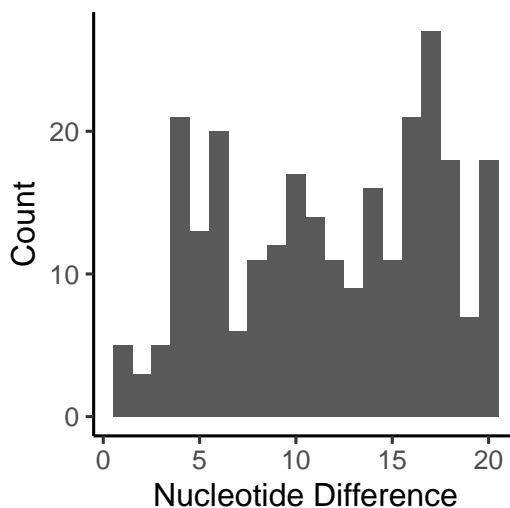
IGHV4-34*01_02

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



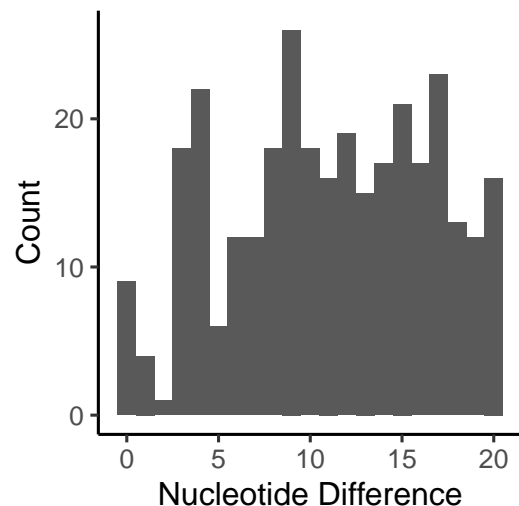
IGHV4-39*02

520 sequences assigned
No exact matches.



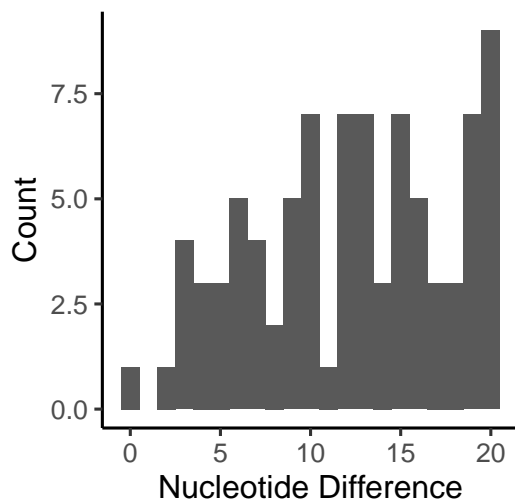
IGHV4-59*01_07

551 sequences assigned
9 (1.6%) exact matches, in which:
6 unique CDR3
1 unique J



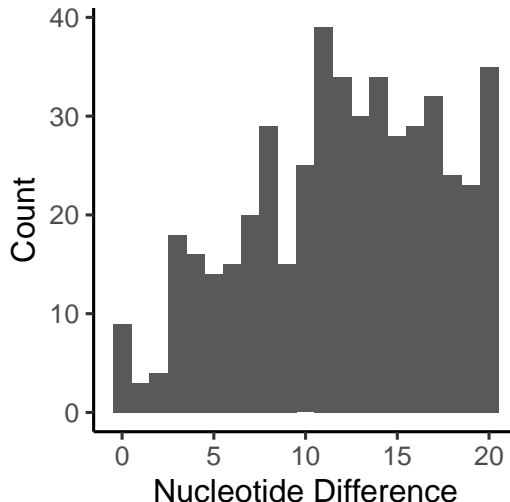
IGHV4-38-2*01

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



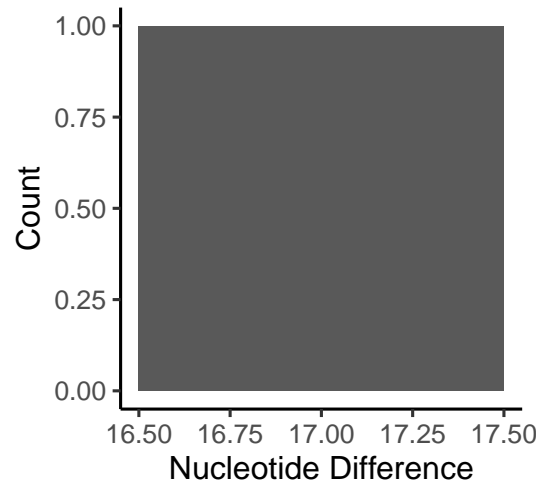
IGHV4-39*07

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



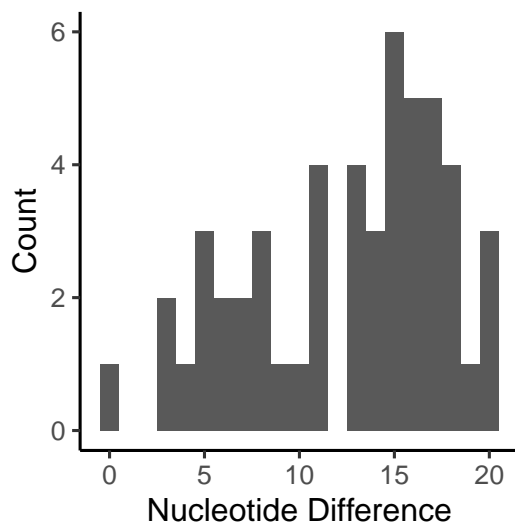
IGHV1/OR15-1*04

2 sequences assigned
No exact matches.



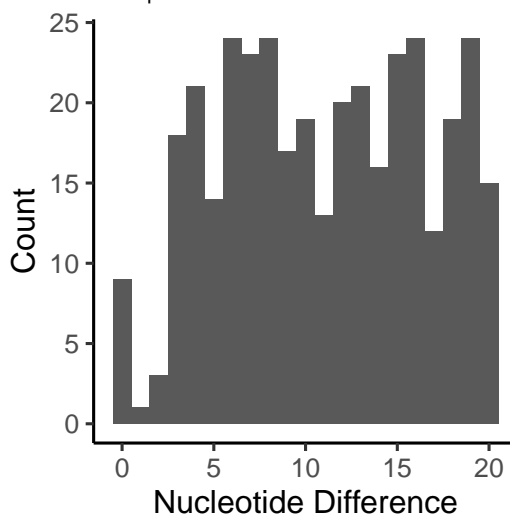
IGHV4-38-2*02

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



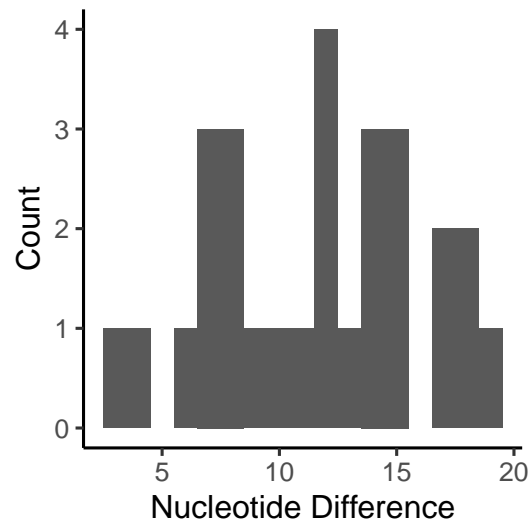
IGHV4-59*08

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



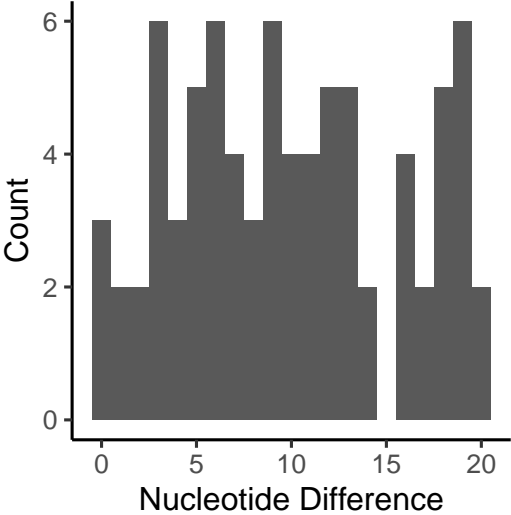
IGHV5-51*07

46 sequences assigned
No exact matches.



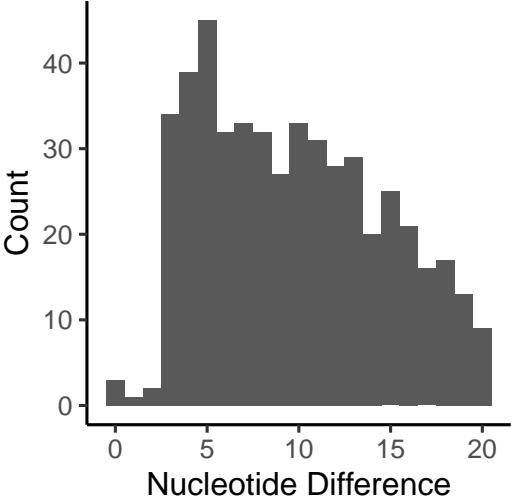
IGHV5–51*01_03

106 sequences assigned
3 (2.8%) exact matches, in which:
3 unique CDR3
2 unique J



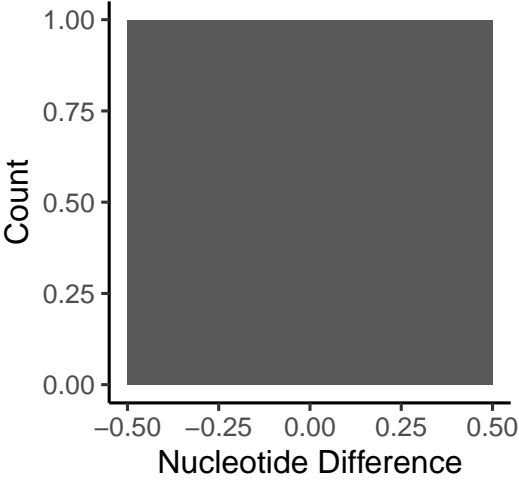
IGHV6–1*01_02

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

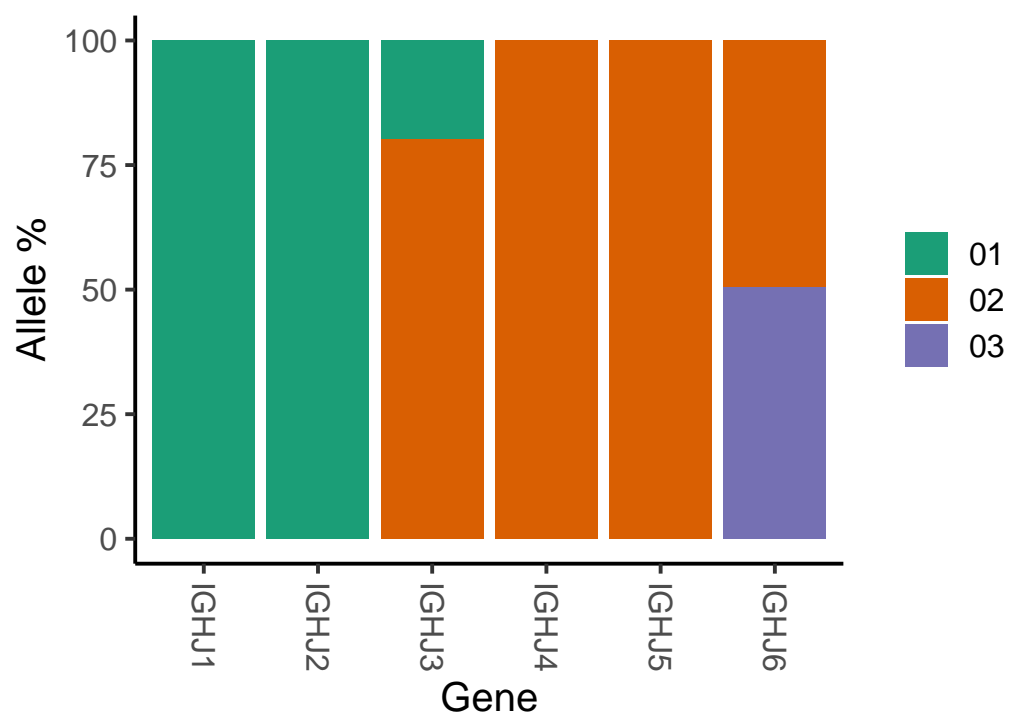


IGHV7–4–1*01

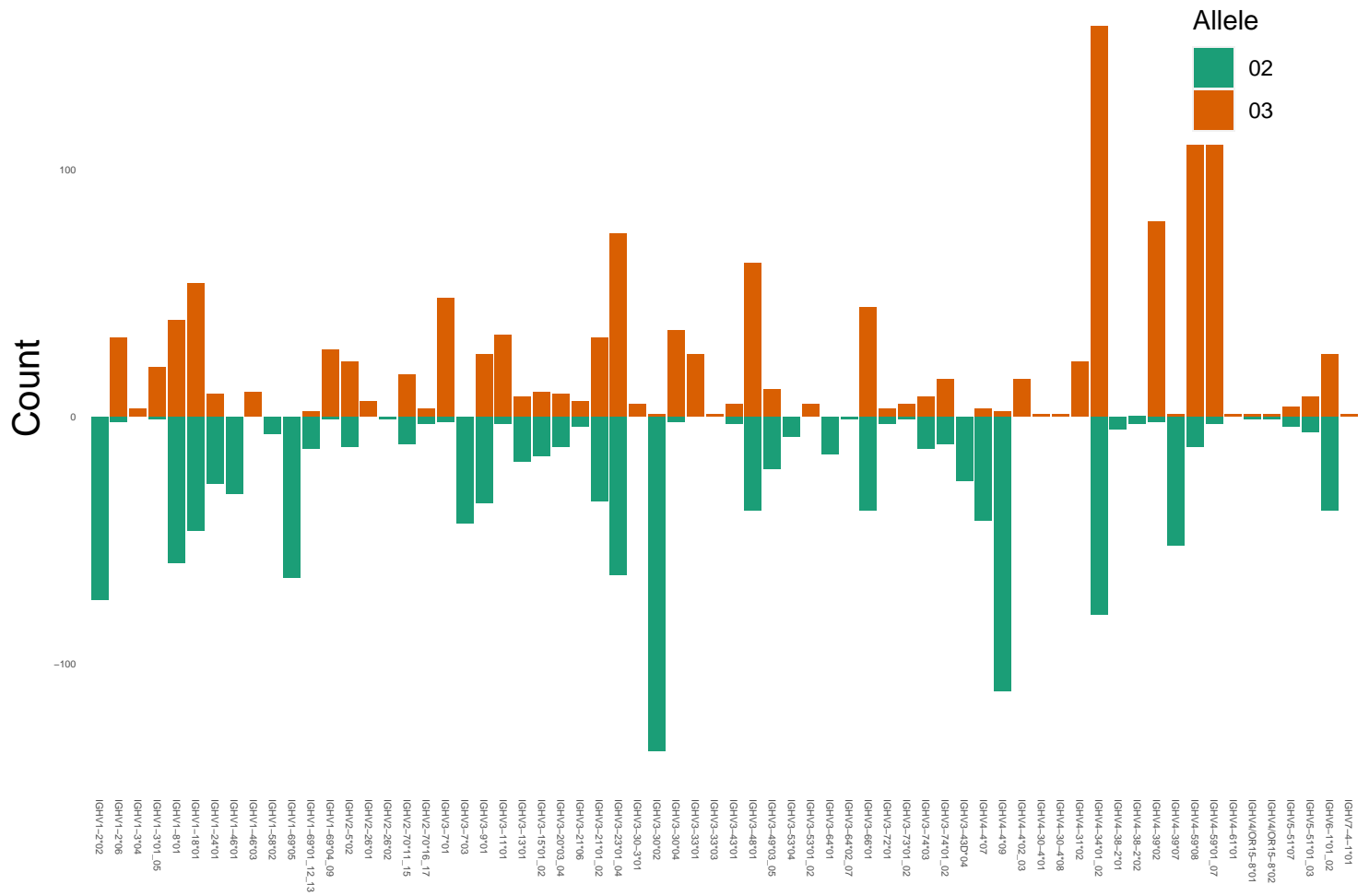
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.