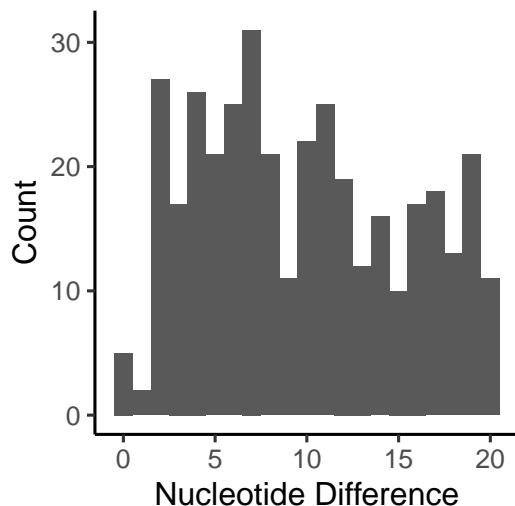


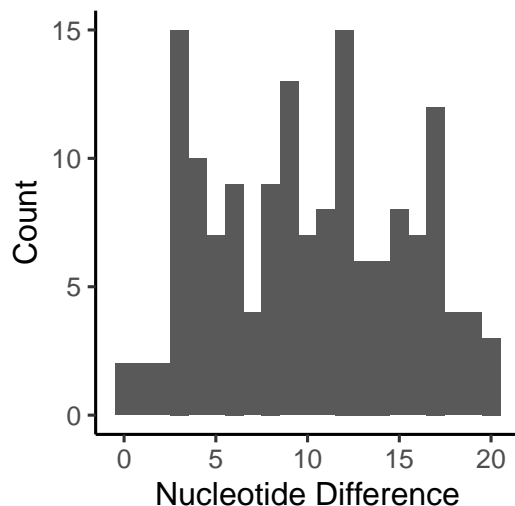
IGHV1-2*06

478 sequences assigned
5 (1%) exact matches, in which:
5 unique CDR3
3 unique J



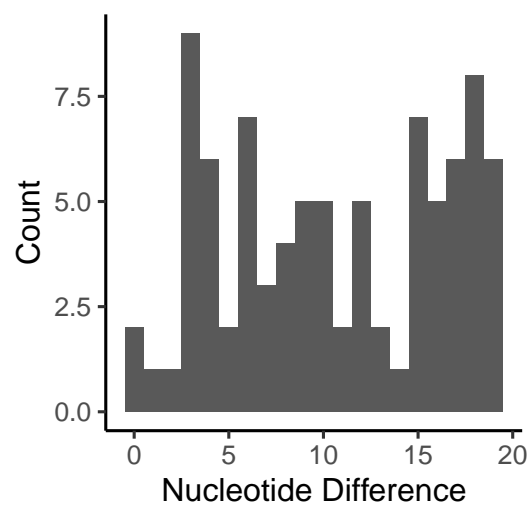
IGHV1-8*01

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



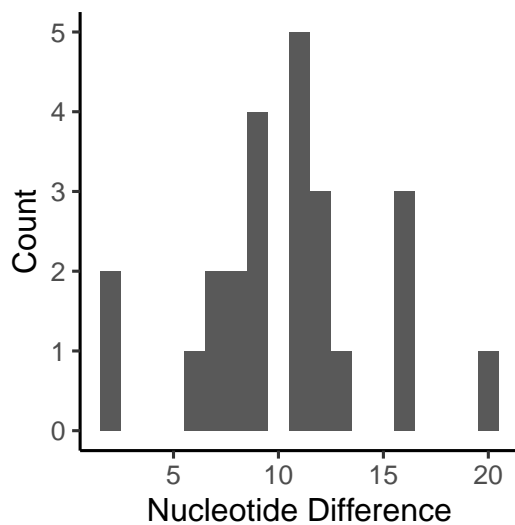
IGHV1-24*01

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



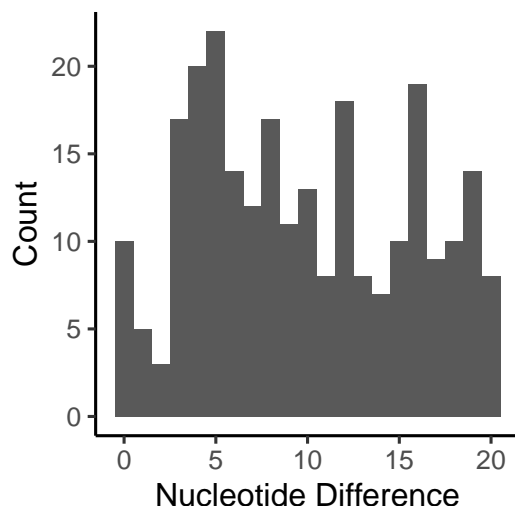
IGHV1-3*04

34 sequences assigned
No exact matches.



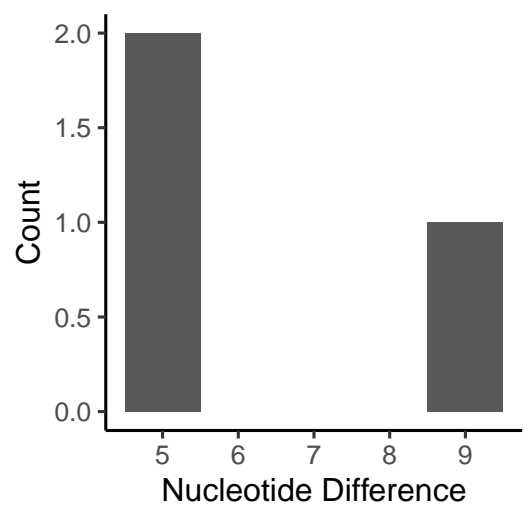
IGHV1-18*01

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



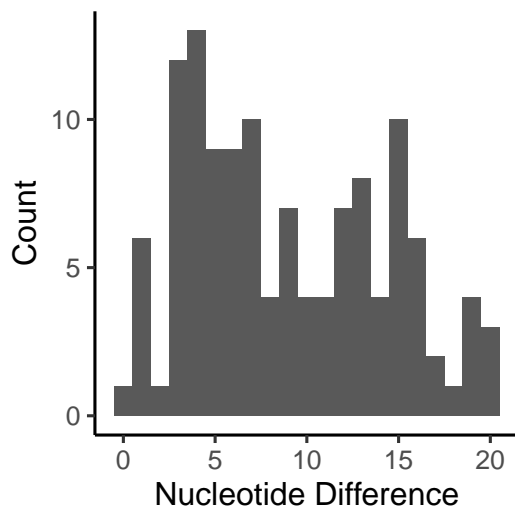
IGHV1-45*02

4 sequences assigned
No exact matches.



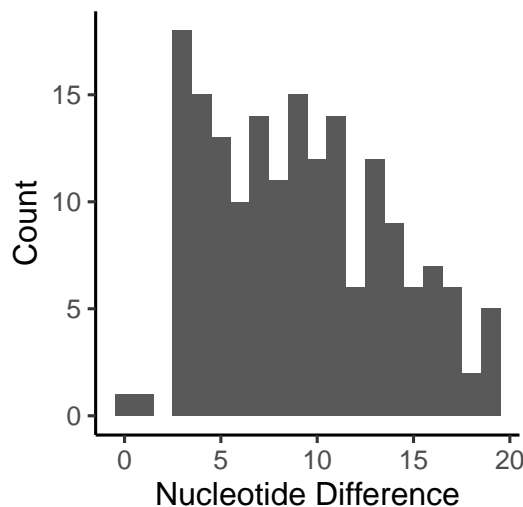
IGHV1-3*01_05

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



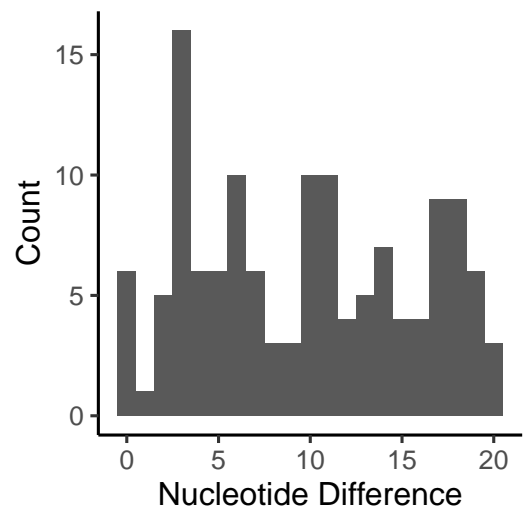
IGHV1-18*04

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



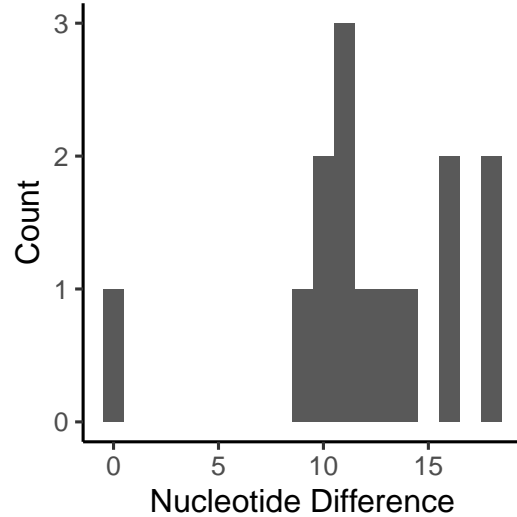
IGHV1-46*03

175 sequences assigned
6 (3.4%) exact matches, in which:
6 unique CDR3
4 unique J



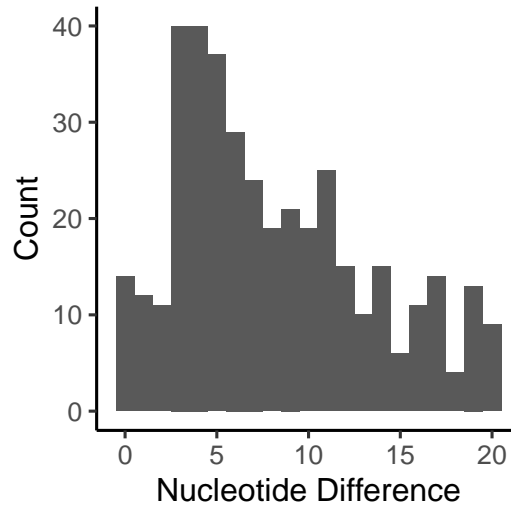
IGHV1-58*02

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



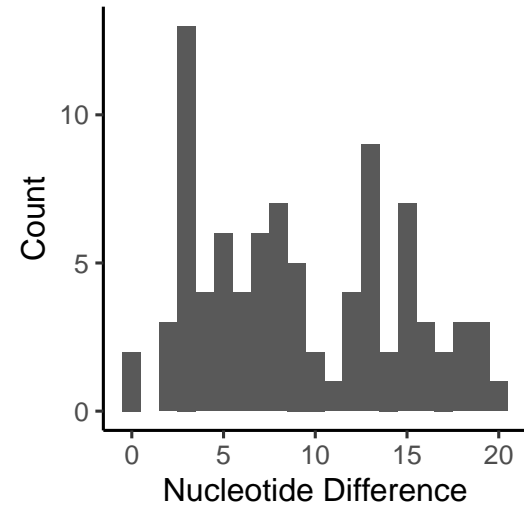
IGHV2-5*02

439 sequences assigned
14 (3.2%) exact matches, in which:
13 unique CDR3
3 unique J



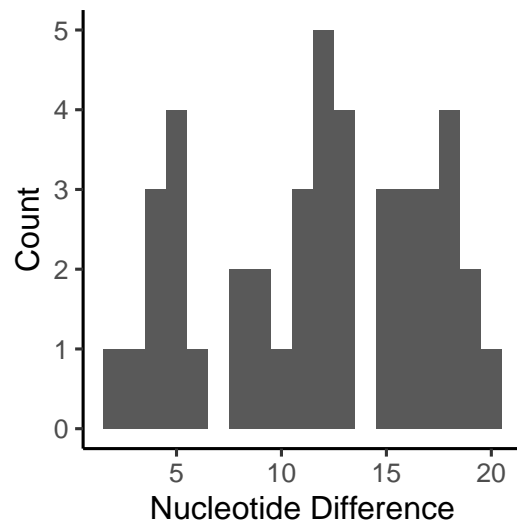
IGHV2-70*11_15

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



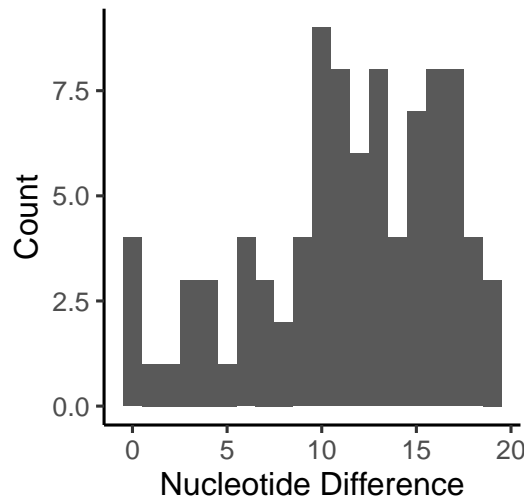
IGHV1-58*01_03

79 sequences assigned
No exact matches.



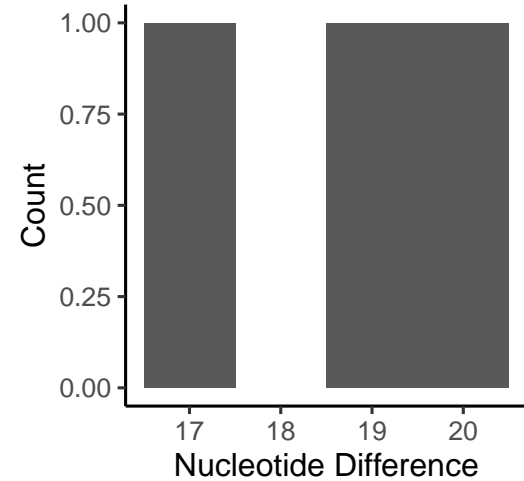
IGHV2-26*01

105 sequences assigned
4 (3.8%) exact matches, in which:
4 unique CDR3
4 unique J



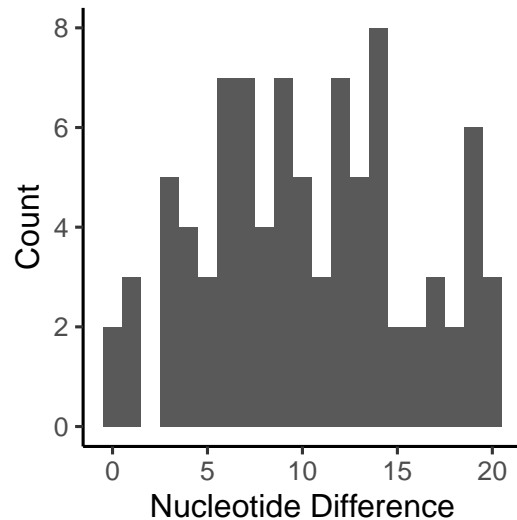
IGHV2-70D*04

3 sequences assigned
No exact matches.



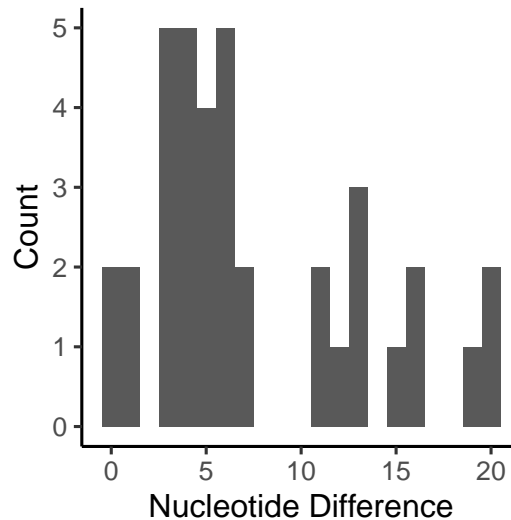
IGHV1-69*04_09

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



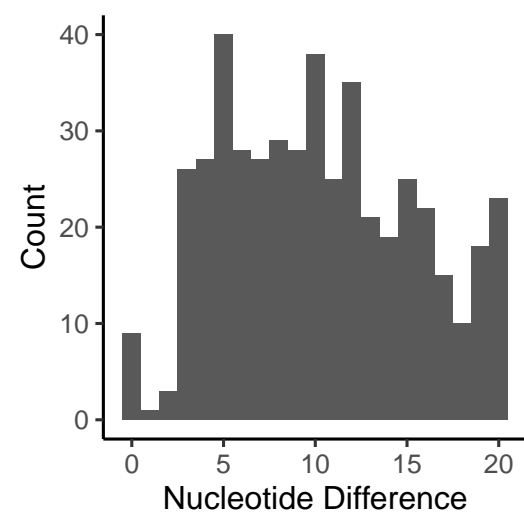
IGHV2-70*01

41 sequences assigned
2 (4.9%) exact matches, in which:
2 unique CDR3
1 unique J



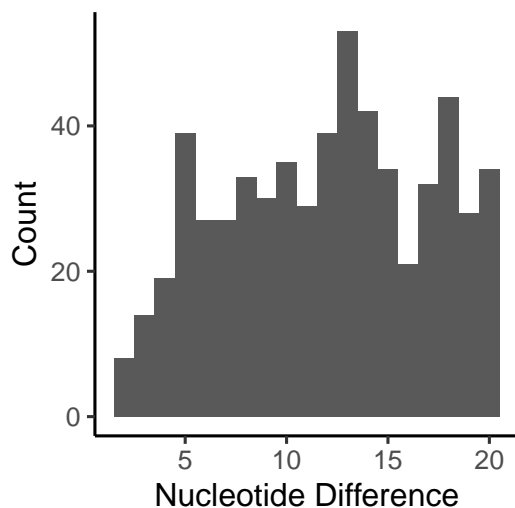
IGHV3-7*01

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



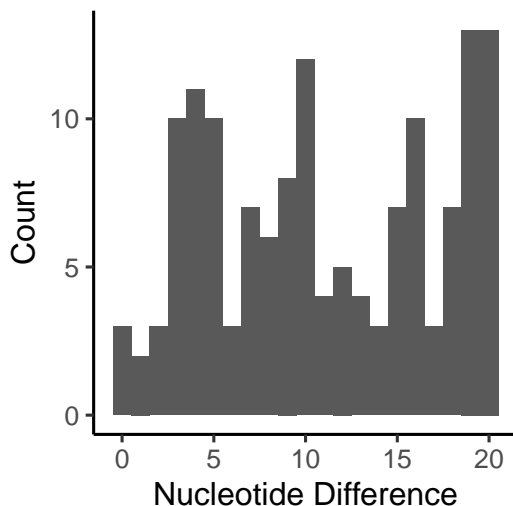
IGHV3-7*03

757 sequences assigned
No exact matches.



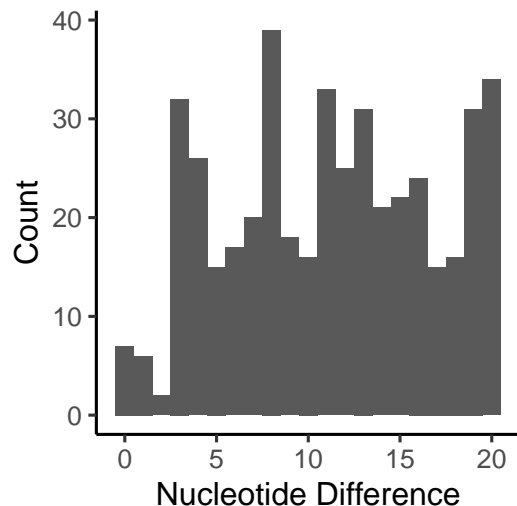
IGHV3-11*06

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



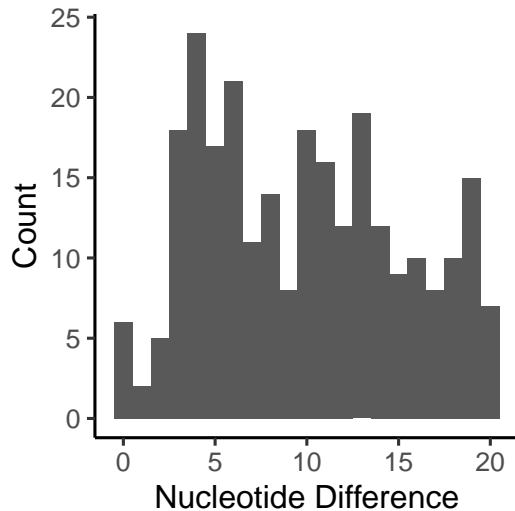
IGHV3-15*01_02

576 sequences assigned
7 (1.2%) exact matches, in which:
4 unique CDR3
1 unique J



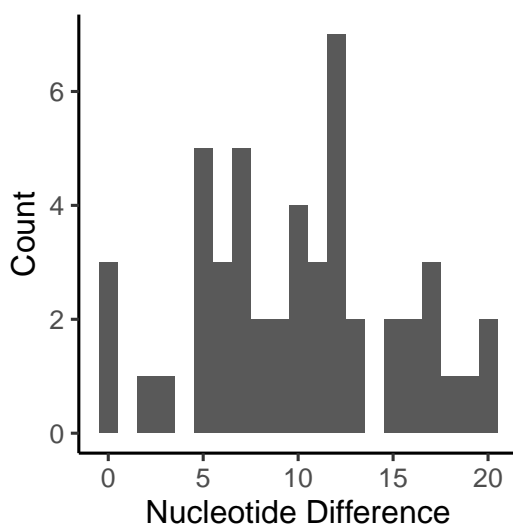
IGHV3-9*01

307 sequences assigned
6 (2%) exact matches, in which:
4 unique CDR3
3 unique J



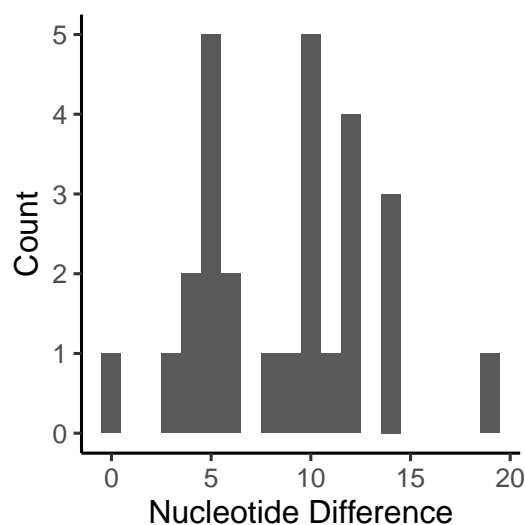
IGHV3-13*01

56 sequences assigned
3 (5.4%) exact matches, in which:
1 unique CDR3
1 unique J



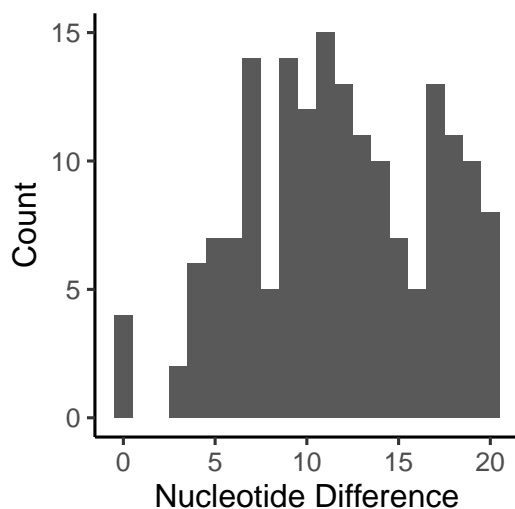
IGHV3-20*01_02

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



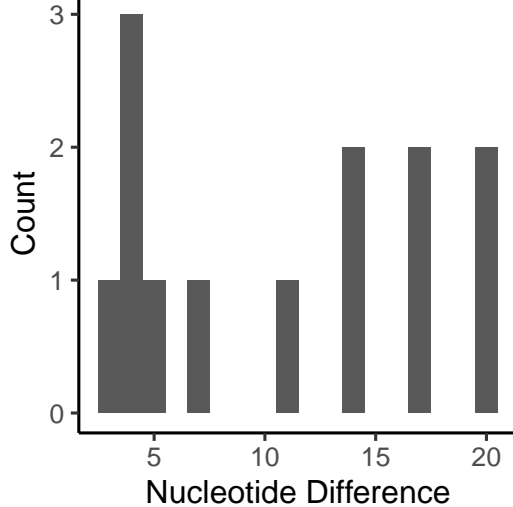
IGHV3-11*01

224 sequences assigned
4 (1.8%) exact matches, in which:
3 unique CDR3
1 unique J



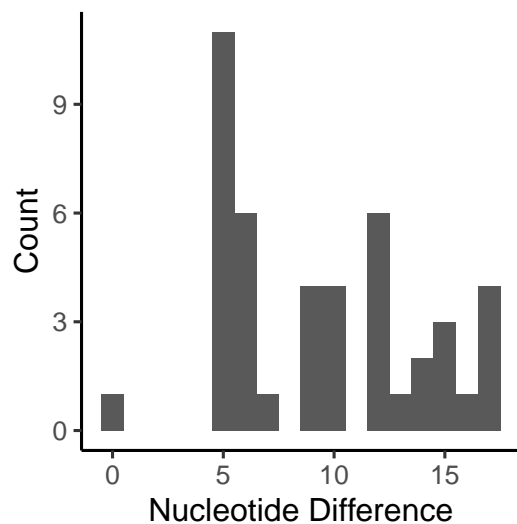
IGHV3-13*05

23 sequences assigned
No exact matches.



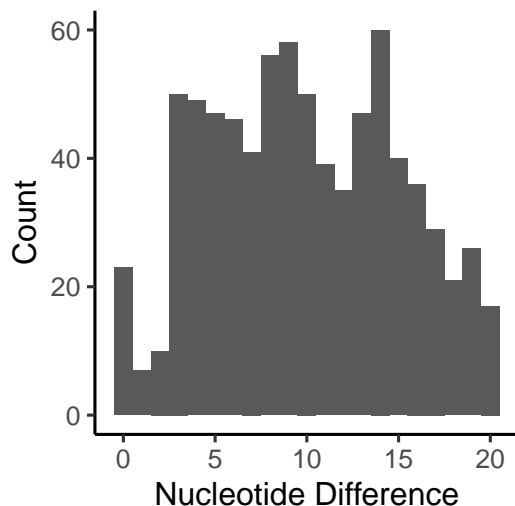
IGHV3-20*03_04

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



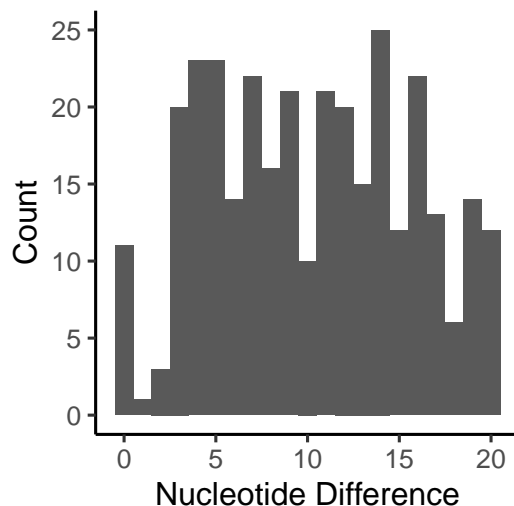
IGHV3-21*01_02

924 sequences assigned
23 (2.5%) exact matches, in which:
12 unique CDR3
5 unique J



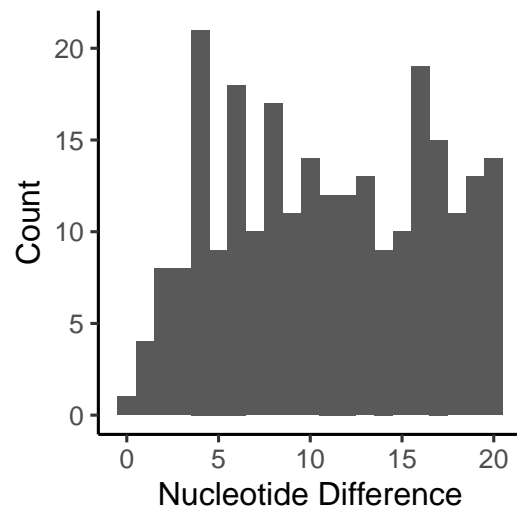
IGHV3-48*01

399 sequences assigned
11 (2.8%) exact matches, in which:
6 unique CDR3
2 unique J



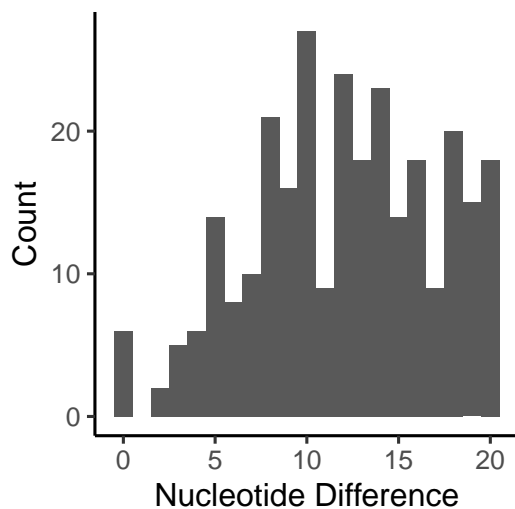
IGHV3-53*01_02

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



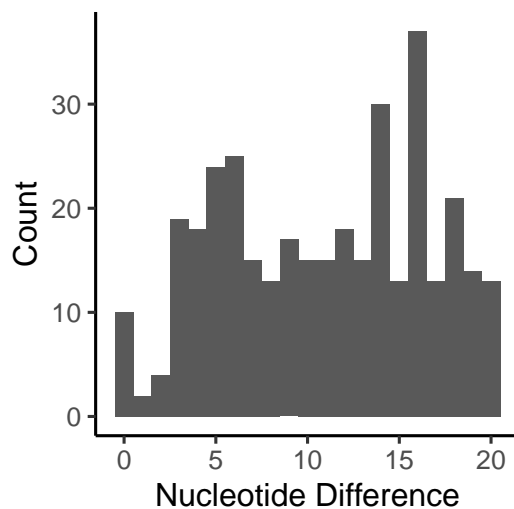
IGHV3-33*01

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



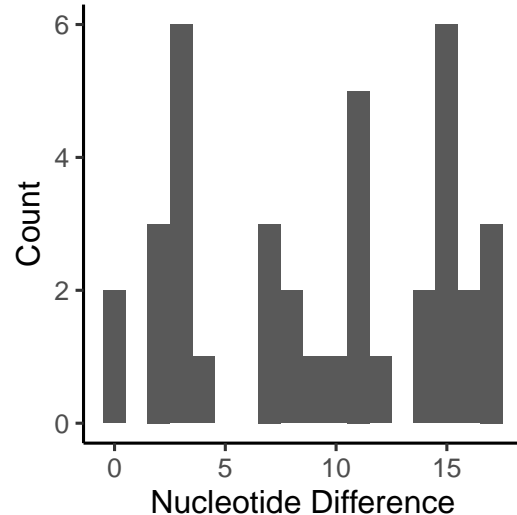
IGHV3-48*02

452 sequences assigned
10 (2.2%) exact matches, in which:
9 unique CDR3
4 unique J



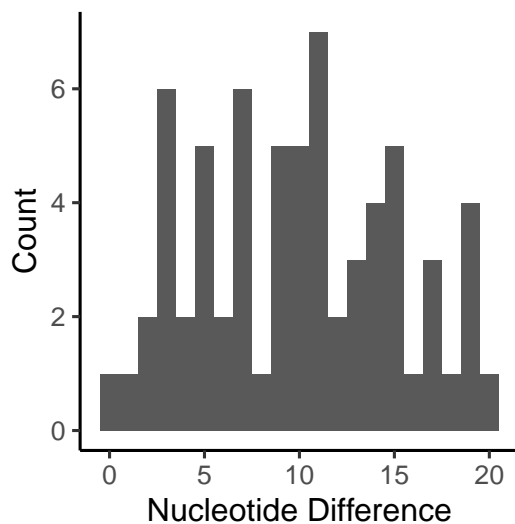
IGHV3-64*01

121 sequences assigned
2 (1.7%) exact matches, in which:
1 unique CDR3
1 unique J



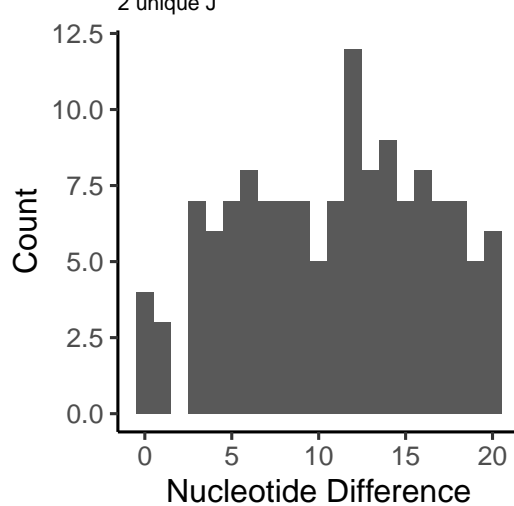
IGHV3-43*01

84 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



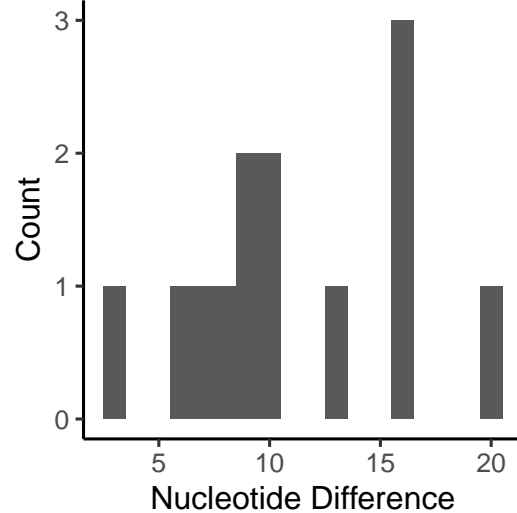
IGHV3-49*03_05

169 sequences assigned
4 (2.4%) exact matches, in which:
4 unique CDR3
2 unique J



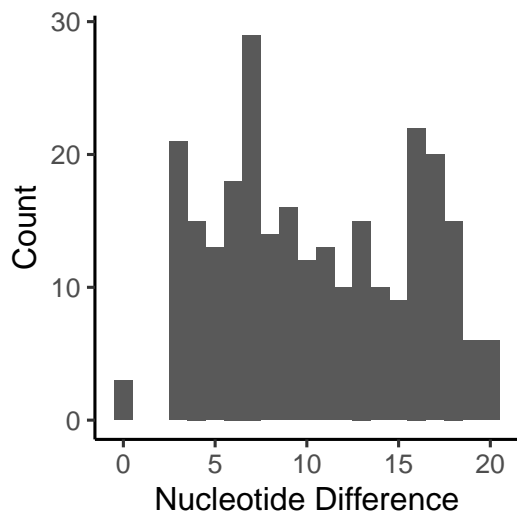
IGHV3-64*02_07

16 sequences assigned
No exact matches.



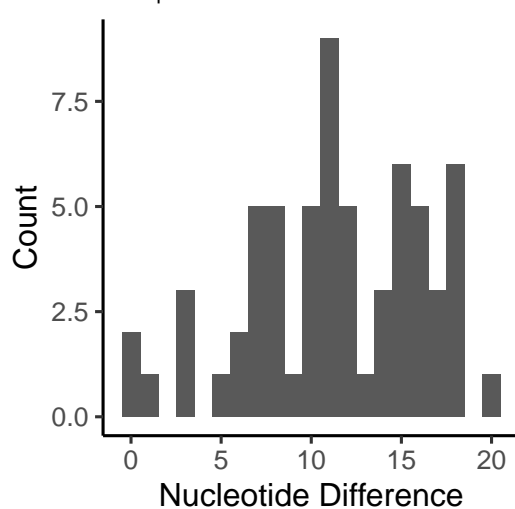
IGHV3-66*01

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



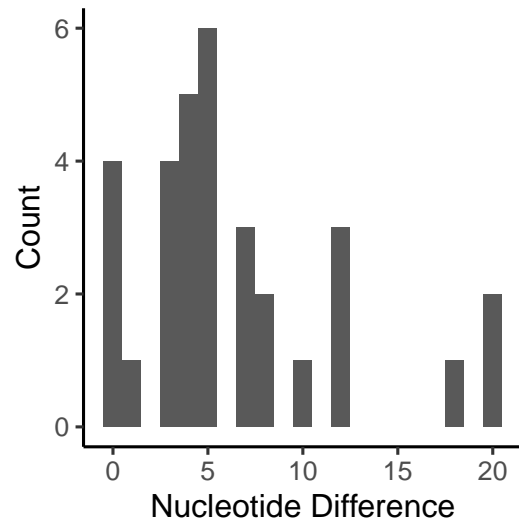
IGHV3-73*01_02

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



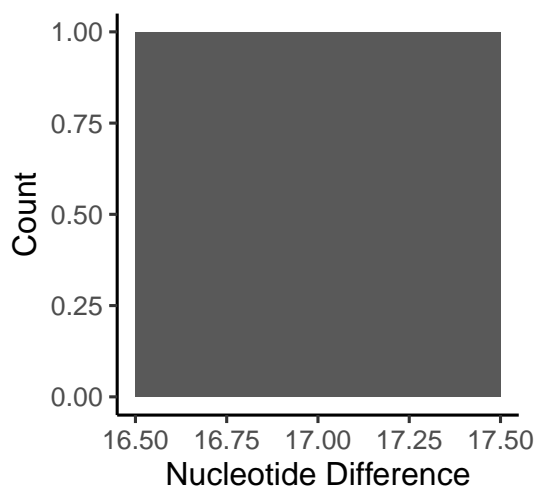
IGHV3-43D*03

41 sequences assigned
4 (9.8%) exact matches, in which:
2 unique CDR3
1 unique J



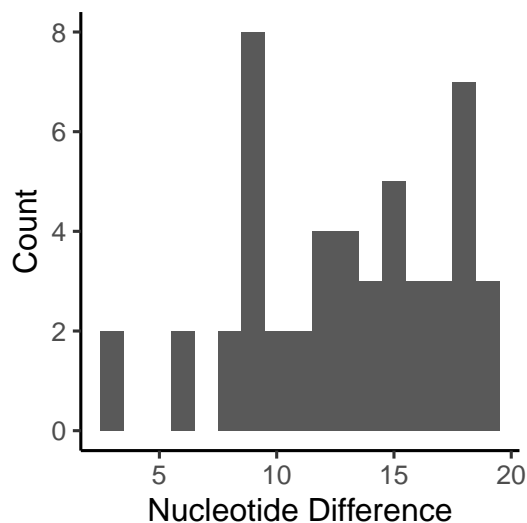
IGHV3-69-1*02

2 sequences assigned
No exact matches.



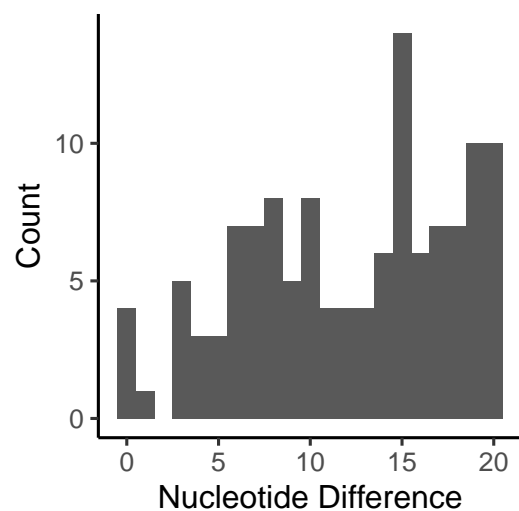
IGHV3-74*03

64 sequences assigned
No exact matches.



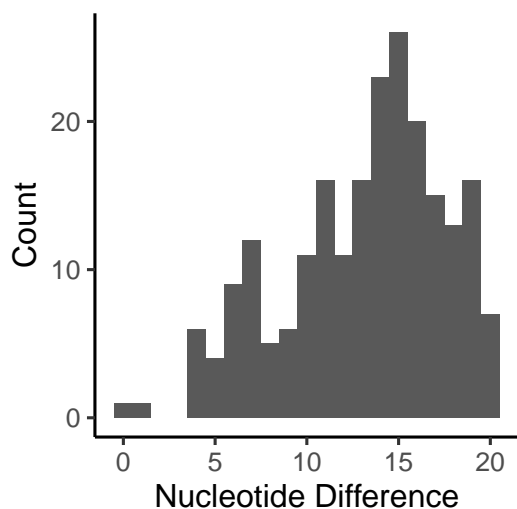
IGHV3-64D*06

168 sequences assigned
4 (2.4%) exact matches, in which:
2 unique CDR3
2 unique J



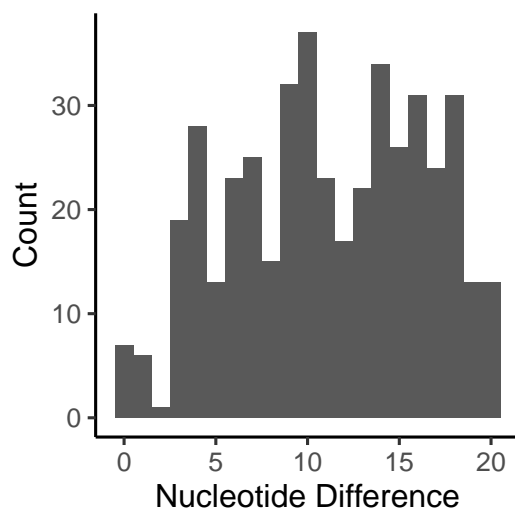
IGHV3-72*01

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



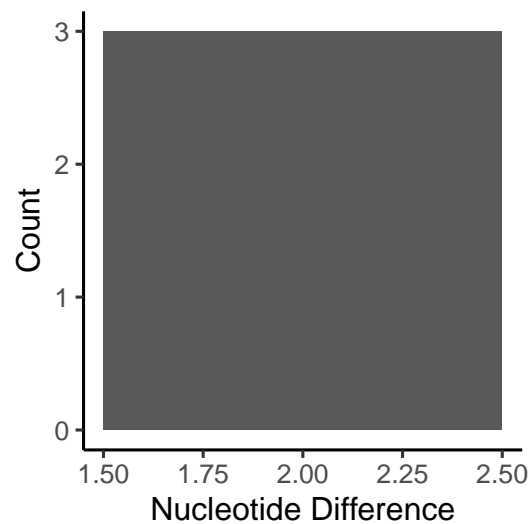
IGHV3-74*01_02

489 sequences assigned
7 (1.4%) exact matches, in which:
5 unique CDR3
2 unique J



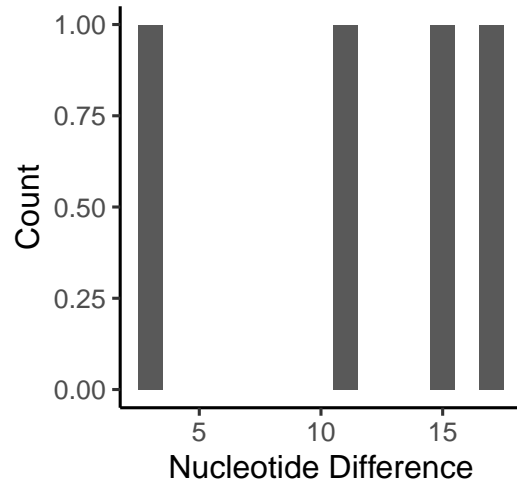
IGHV4-28*01_07

4 sequences assigned
No exact matches.



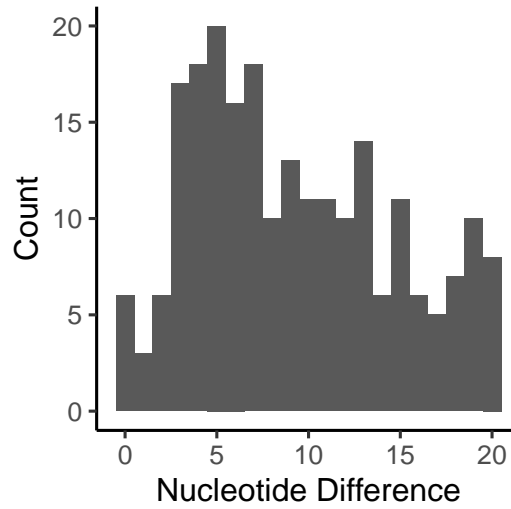
IGHV4-28*02_05

6 sequences assigned
No exact matches.



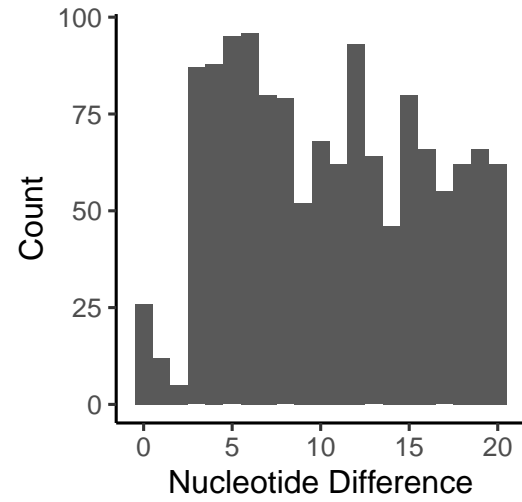
IGHV4-31*03_04

308 sequences assigned
6 (1.9%) exact matches, in which:
3 unique CDR3
2 unique J



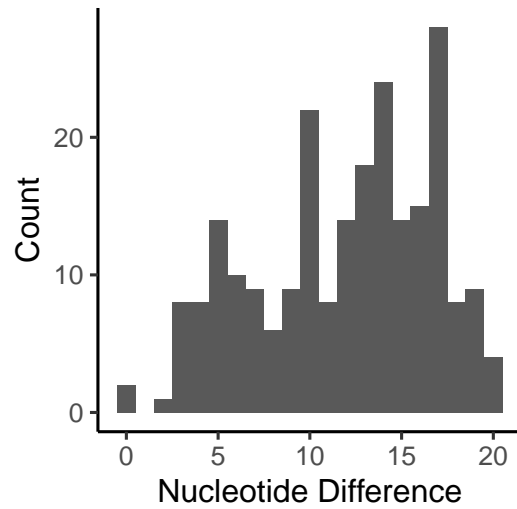
IGHV4-39*01_05

1773 sequences assigned
26 (1.5%) exact matches, in which:
19 unique CDR3
3 unique J



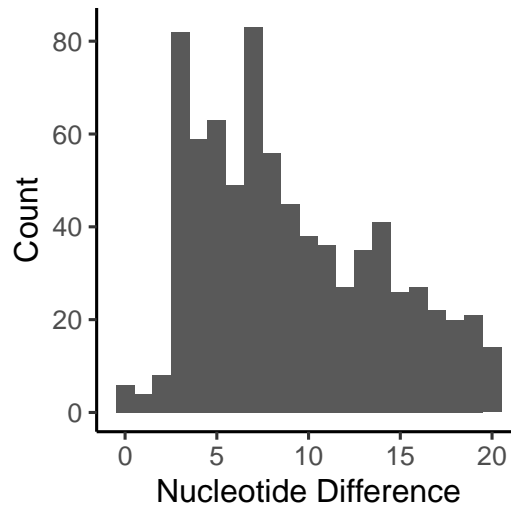
IGHV4-30-2*01

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



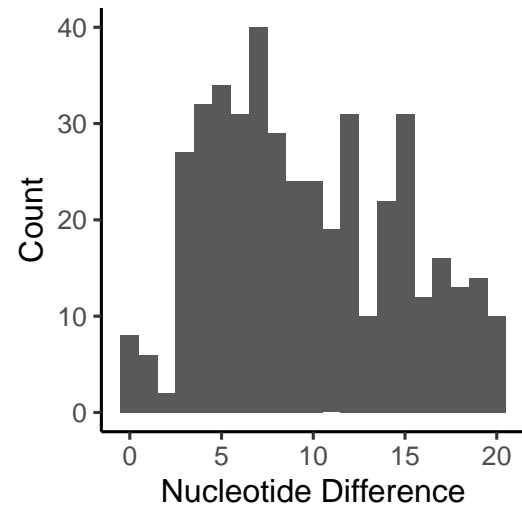
IGHV4-34*01_02

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



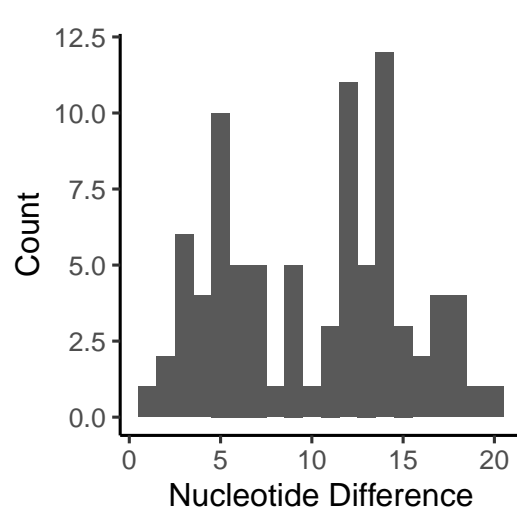
IGHV4-59*08

524 sequences assigned
8 (1.5%) exact matches, in which:
7 unique CDR3
4 unique J



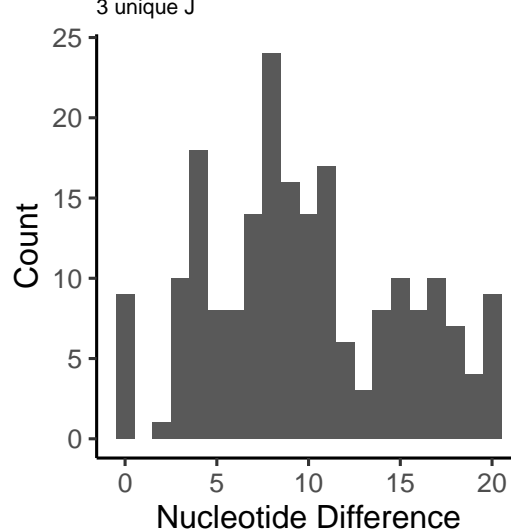
IGHV4-30-4*07

107 sequences assigned
No exact matches.



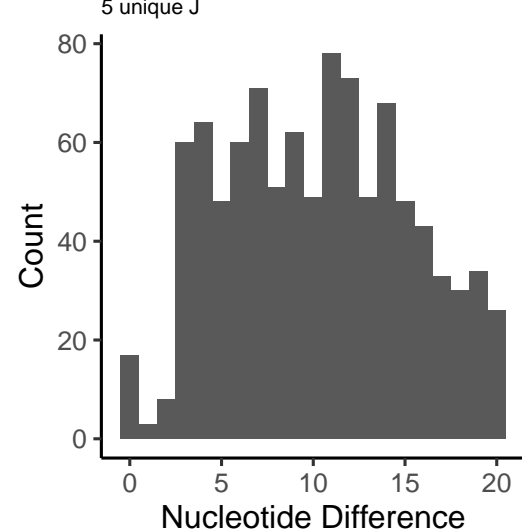
IGHV4-38-2*02

275 sequences assigned
9 (3.3%) exact matches, in which:
7 unique CDR3
3 unique J



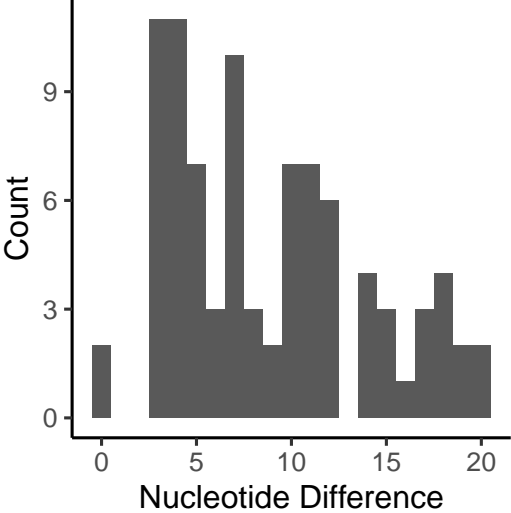
IGHV4-59*01_07

1158 sequences assigned
17 (1.5%) exact matches, in which:
13 unique CDR3
5 unique J



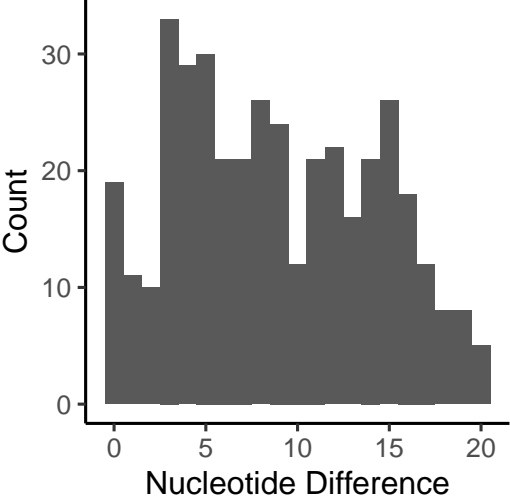
IGHV4-61*01

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



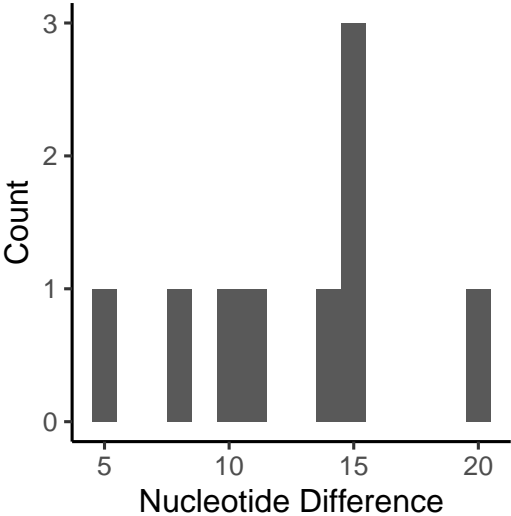
IGHV5-51*01_03

434 sequences assigned
19 (4.4%) exact matches, in which:
19 unique CDR3
5 unique J



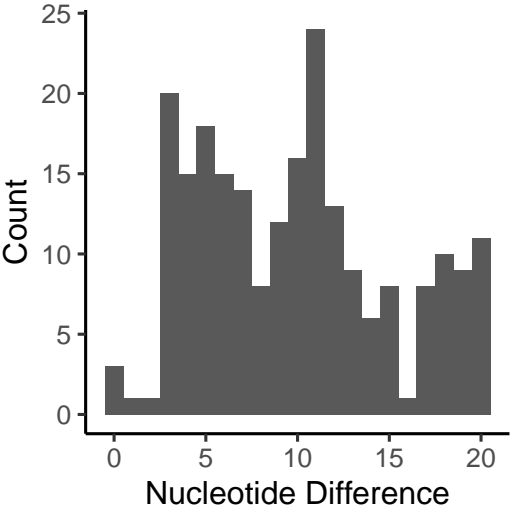
IGHV4-61*08

18 sequences assigned
No exact matches.



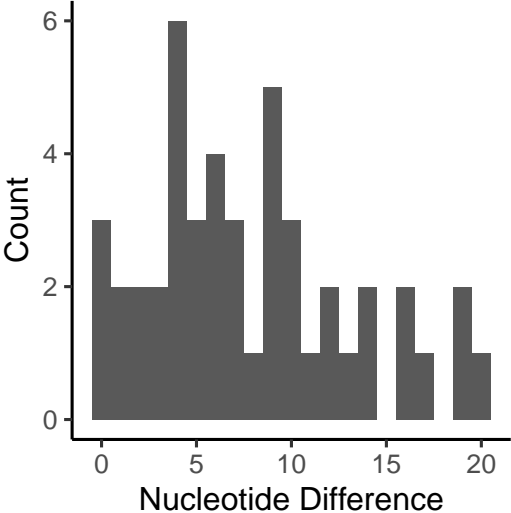
IGHV6-1*01_02

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



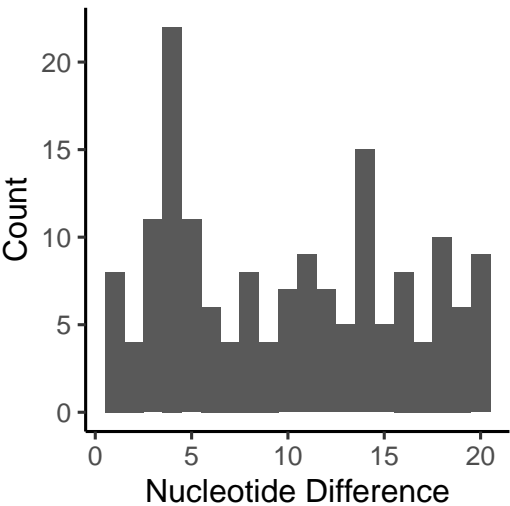
IGHV5-10-1*01_03

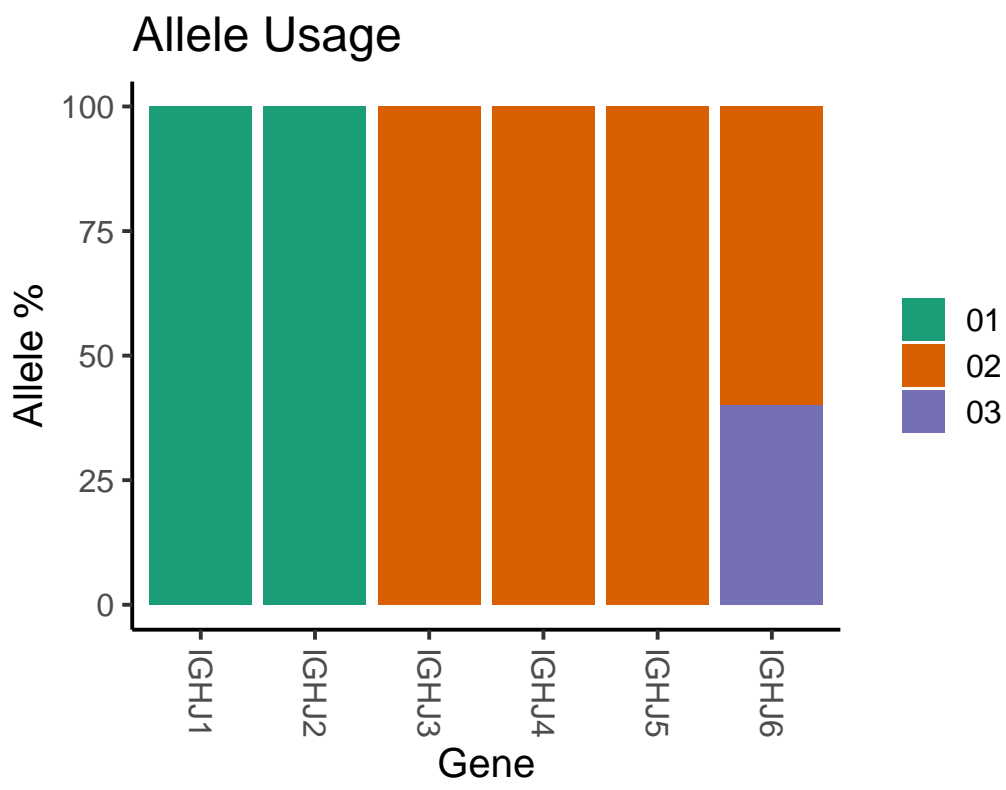
53 sequences assigned
3 (5.7%) exact matches, in which:
3 unique CDR3
2 unique J



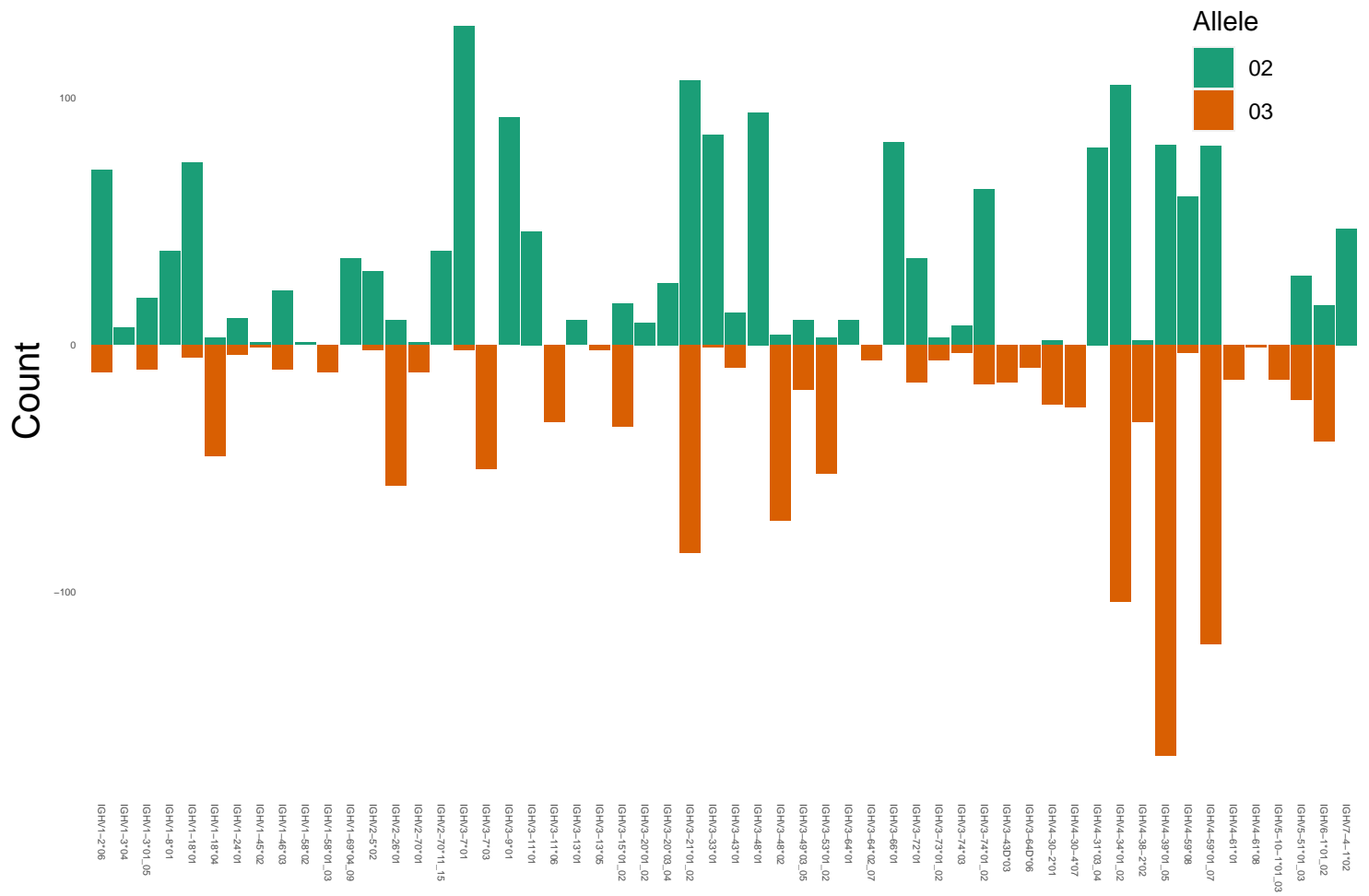
IGHV7-4-1*02

201 sequences assigned
No exact matches.





Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.