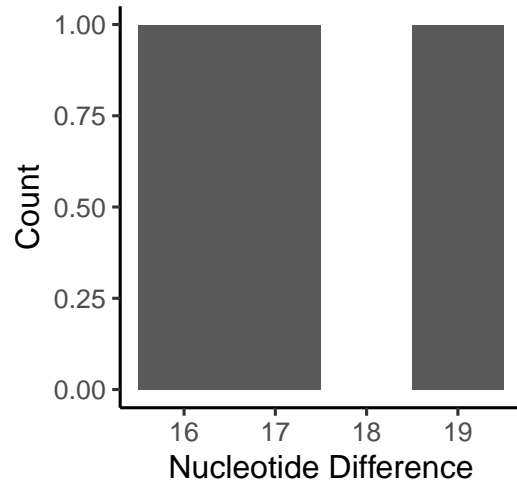


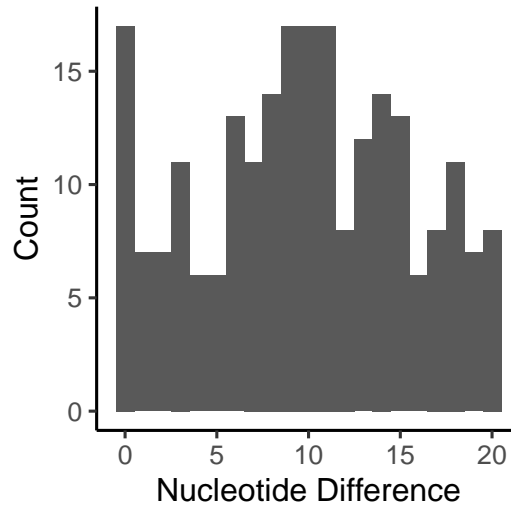
IGHV1-2*02

5 sequences assigned
No exact matches.



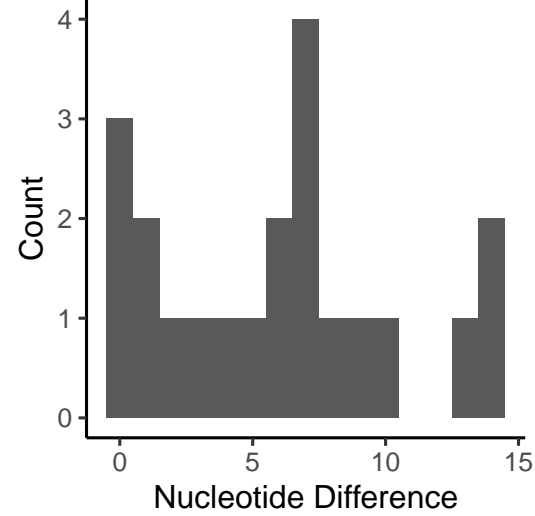
IGHV1-3*01

320 sequences assigned
17 (5.3%) exact matches, in which:
15 unique CDR3
6 unique J



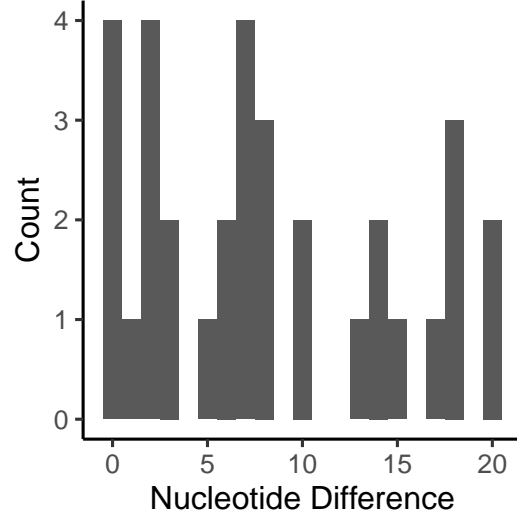
IGHV1-24*01

31 sequences assigned
3 (9.7%) exact matches, in which:
3 unique CDR3
2 unique J



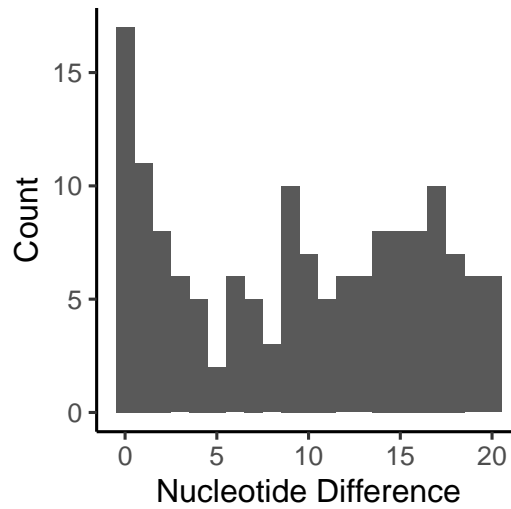
IGHV1-2*04

37 sequences assigned
4 (10.8%) exact matches, in which:
4 unique CDR3
3 unique J



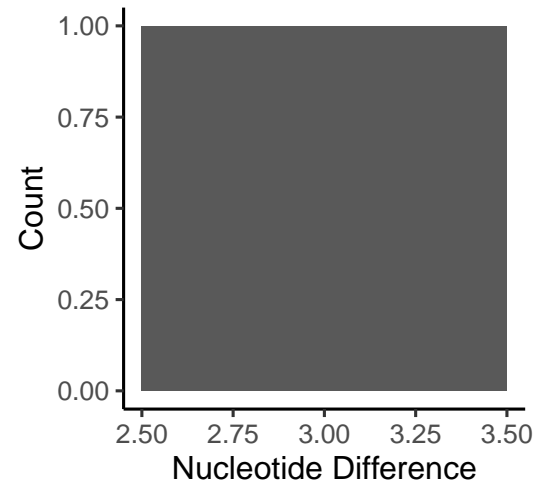
IGHV1-8*01

187 sequences assigned
17 (9.1%) exact matches, in which:
16 unique CDR3
6 unique J



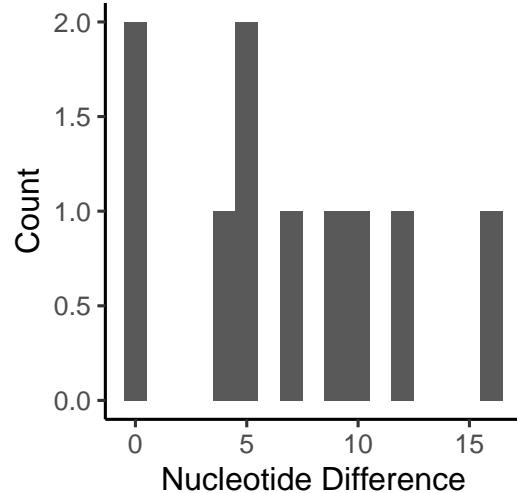
IGHV1-45*02

1 sequences assigned
No exact matches.



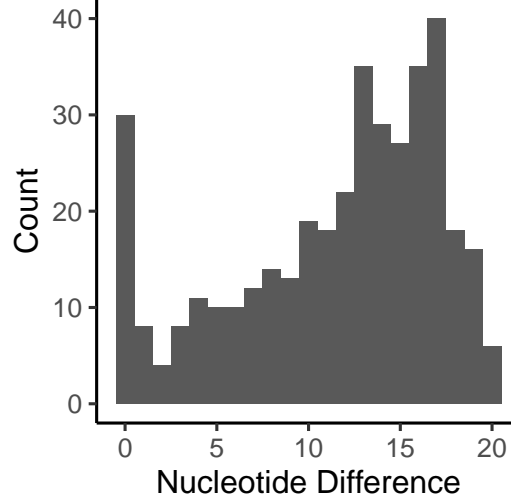
IGHV1-2*05

10 sequences assigned
2 (20%) exact matches, in which:
2 unique CDR3
1 unique J



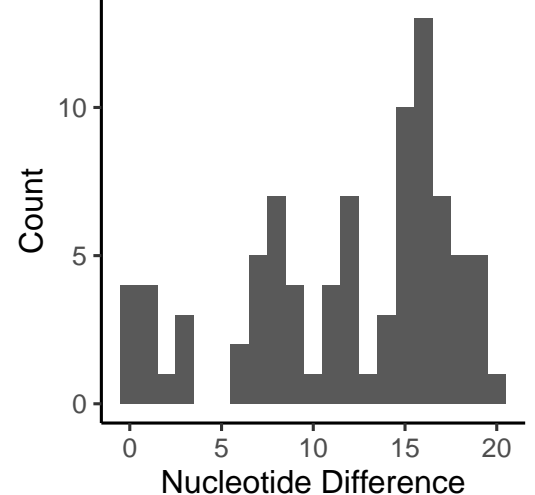
IGHV1-18*01

498 sequences assigned
30 (6%) exact matches, in which:
29 unique CDR3
6 unique J



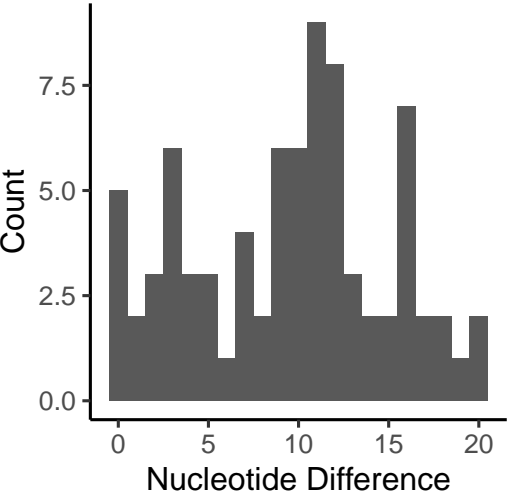
IGHV1-46*01

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



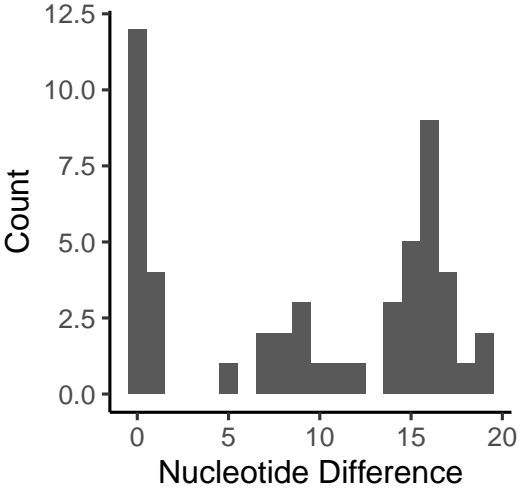
IGHV1-46*04

107 sequences assigned
5 (4.7%) exact matches, in which:
4 unique CDR3
3 unique J



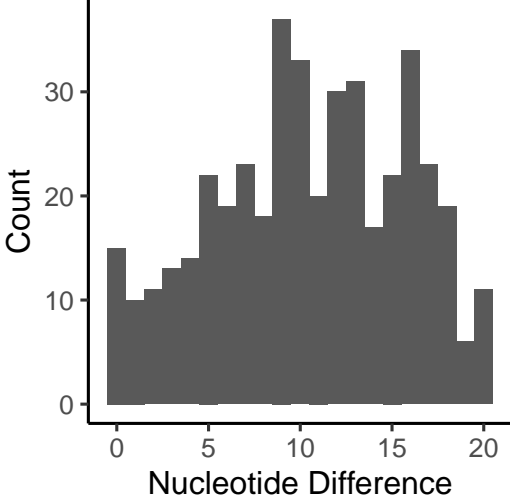
IGHV1-69*02

101 sequences assigned
12 (11.9%) exact matches, in which:
11 unique CDR3
4 unique J



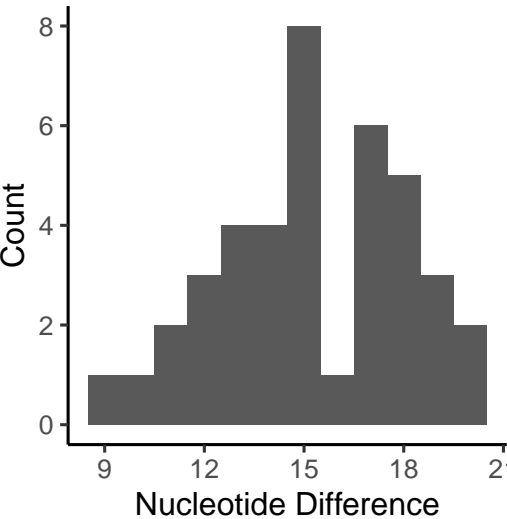
IGHV2-5*02

467 sequences assigned
15 (3.2%) exact matches, in which:
14 unique CDR3
4 unique J



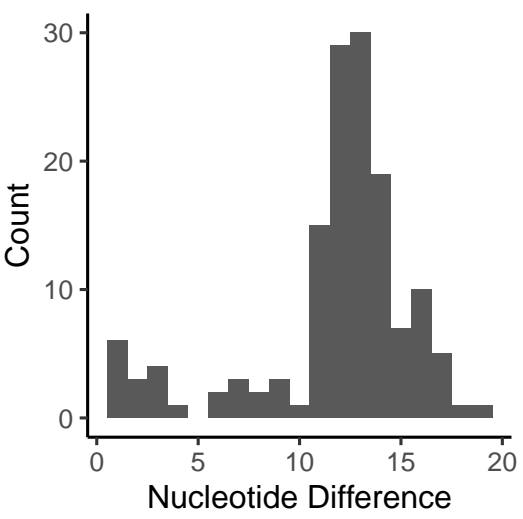
IGHV1-58*01

51 sequences assigned
No exact matches.



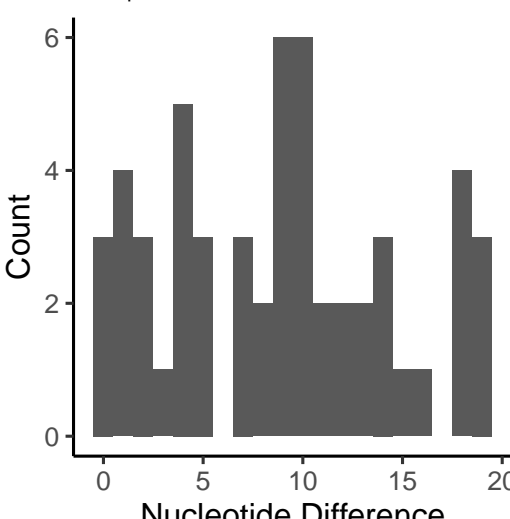
IGHV1-69*08

179 sequences assigned
No exact matches.



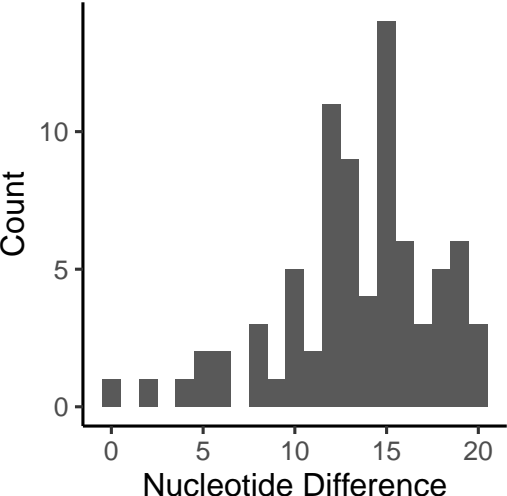
IGHV2-26*01

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



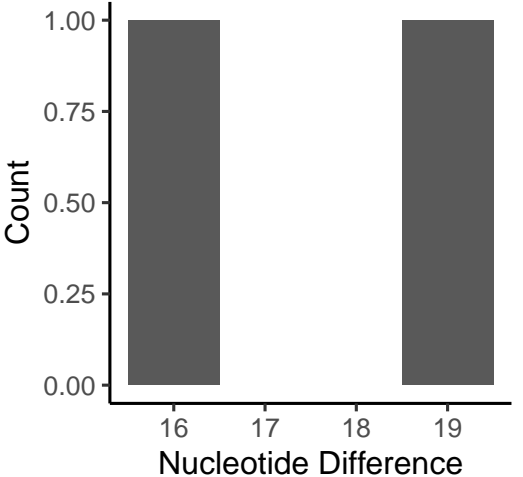
IGHV1-58*02

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



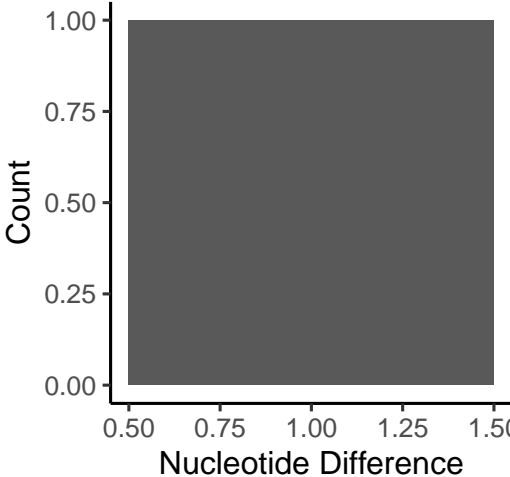
IGHV1-69D*01

3 sequences assigned
No exact matches.



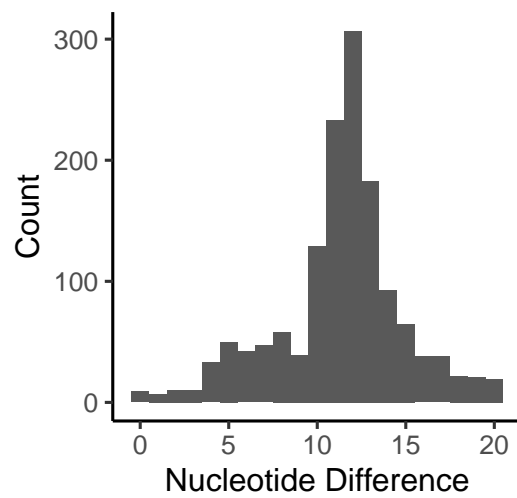
IGHV2-70*01

2 sequences assigned
No exact matches.



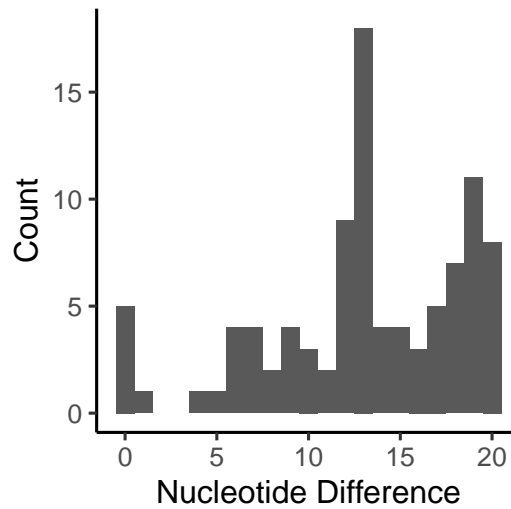
IGHV3-7*01

1591 sequences assigned
9 (0.6%) exact matches, in which:
9 unique CDR3
5 unique J



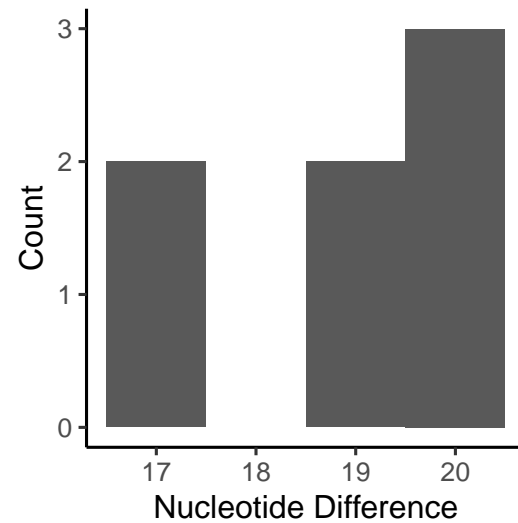
IGHV3-13*01

161 sequences assigned
5 (3.1%) exact matches, in which:
5 unique CDR3
3 unique J



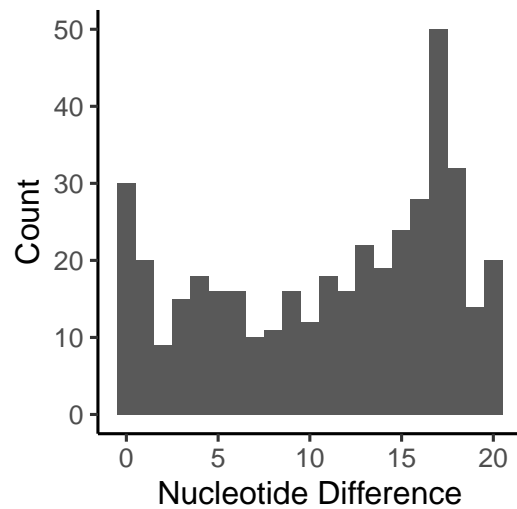
IGHV3-20*04

13 sequences assigned
No exact matches.



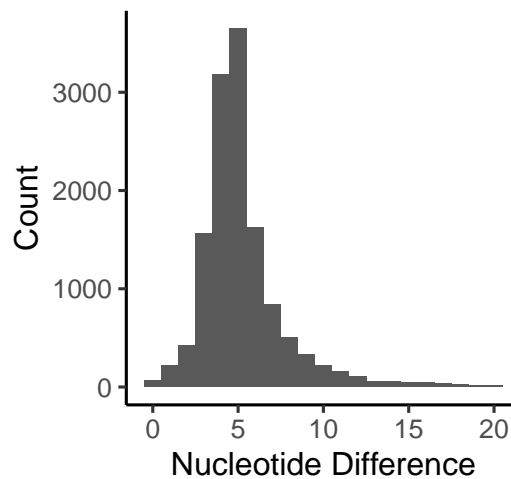
IGHV3-9*01

639 sequences assigned
30 (4.7%) exact matches, in which:
29 unique CDR3
5 unique J



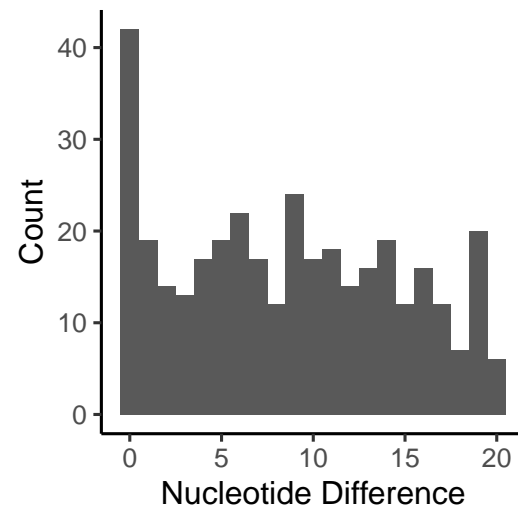
IGHV3-15*01

13761 sequences assigned
64 (0.5%) exact matches, in which:
22 unique CDR3
5 unique J



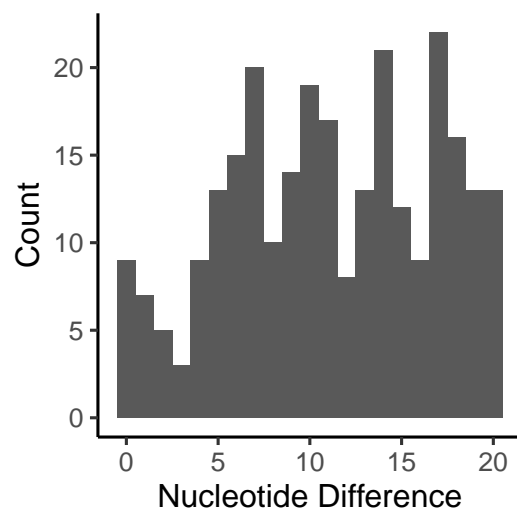
IGHV3-21*01

665 sequences assigned
42 (6.3%) exact matches, in which:
40 unique CDR3
5 unique J



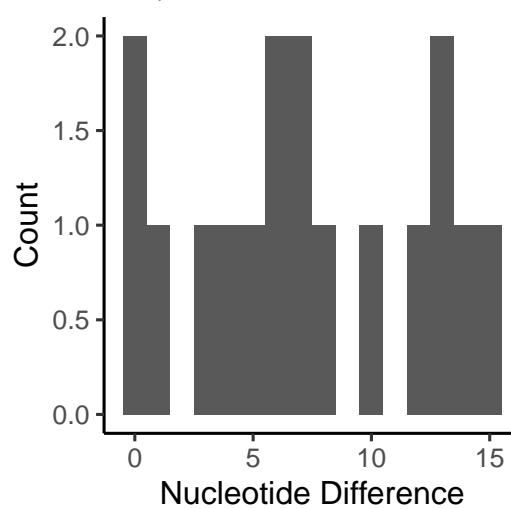
IGHV3-11*01

390 sequences assigned
9 (2.3%) exact matches, in which:
9 unique CDR3
3 unique J



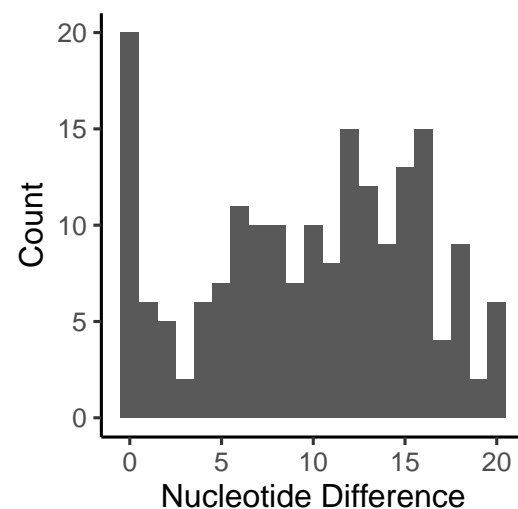
IGHV3-20*01

17 sequences assigned
2 (11.8%) exact matches, in which:
2 unique CDR3
2 unique J



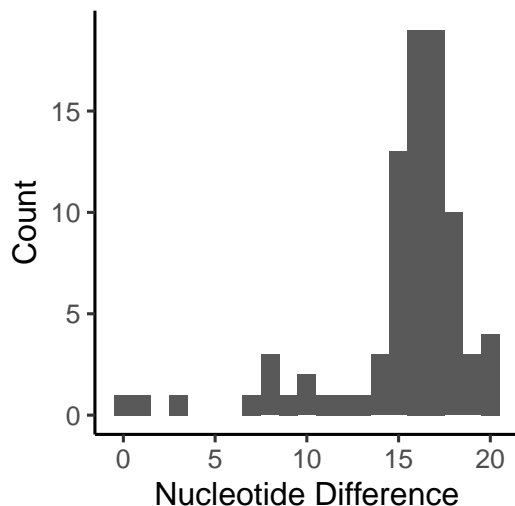
IGHV3-30-3*01

255 sequences assigned
20 (7.8%) exact matches, in which:
20 unique CDR3
5 unique J



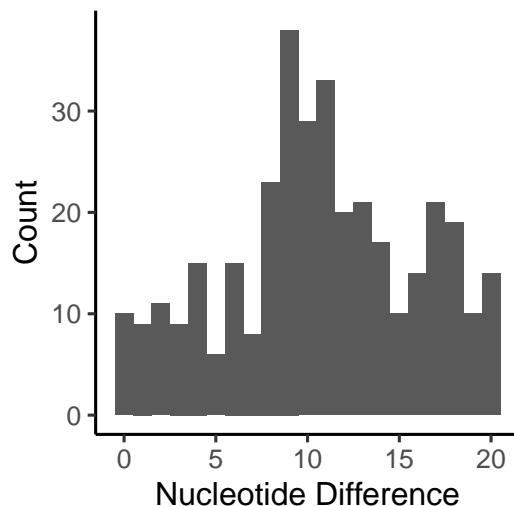
IGHV3-30*03

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



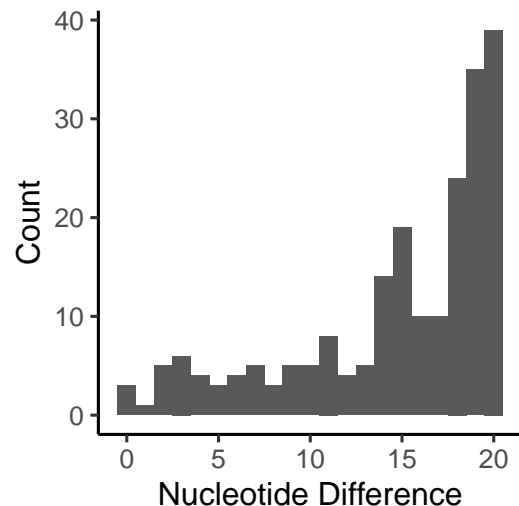
IGHV3-33*08

438 sequences assigned
10 (2.3%) exact matches, in which:
10 unique CDR3
3 unique J



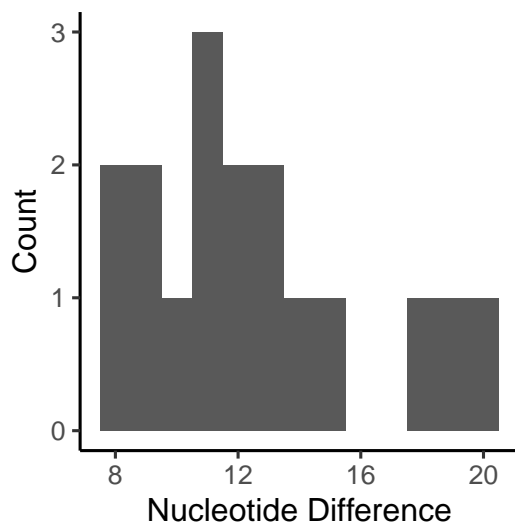
IGHV3-48*01

934 sequences assigned
3 (0.3%) exact matches, in which:
3 unique CDR3
1 unique J



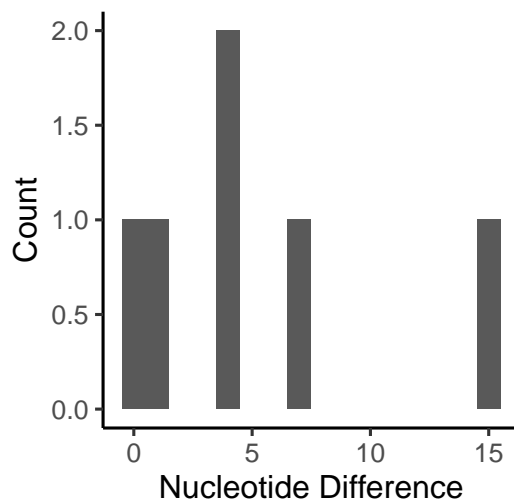
IGHV3-30*04

33 sequences assigned
No exact matches.



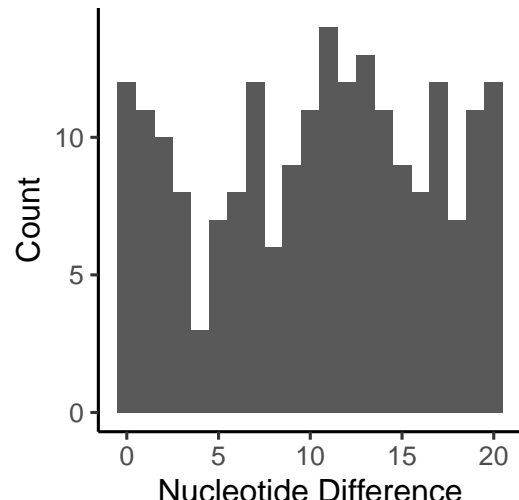
IGHV3-43*01

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



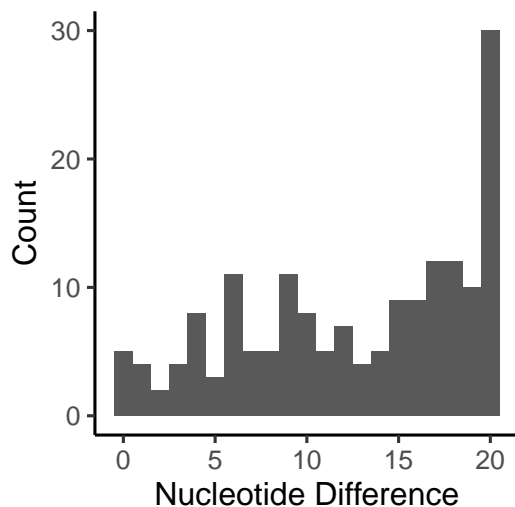
IGHV3-48*03

264 sequences assigned
12 (4.5%) exact matches, in which:
12 unique CDR3
4 unique J



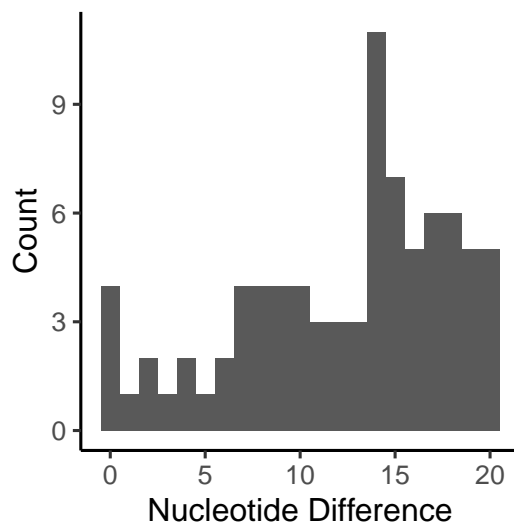
IGHV3-33*01

578 sequences assigned
5 (0.9%) exact matches, in which:
5 unique CDR3
3 unique J



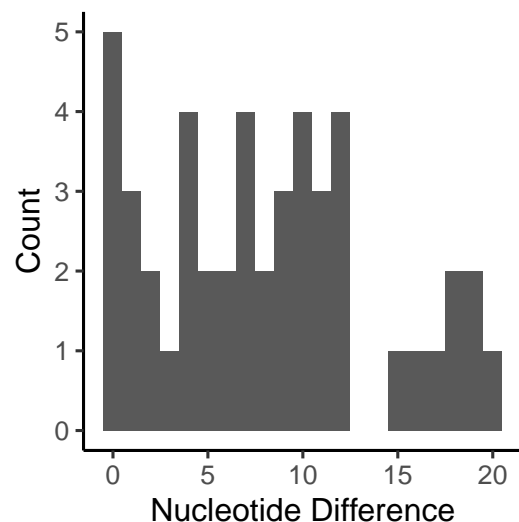
IGHV3-43*02

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



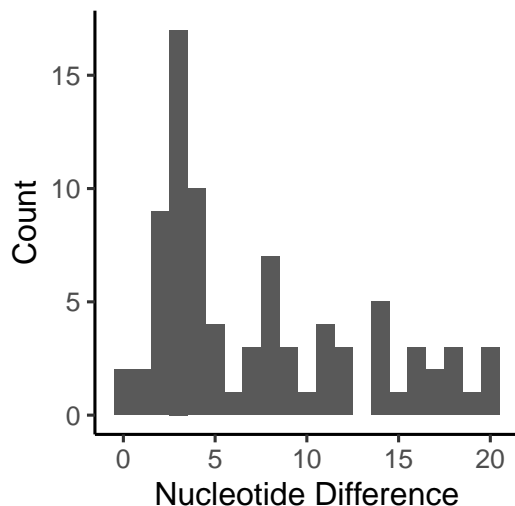
IGHV3-49*03

56 sequences assigned
5 (8.9%) exact matches, in which:
5 unique CDR3
3 unique J



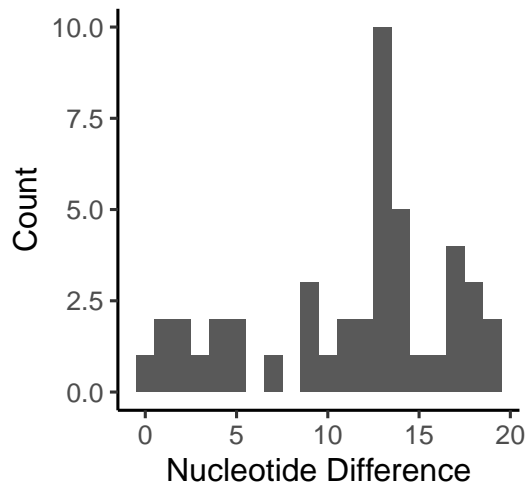
IGHV3-49*04

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



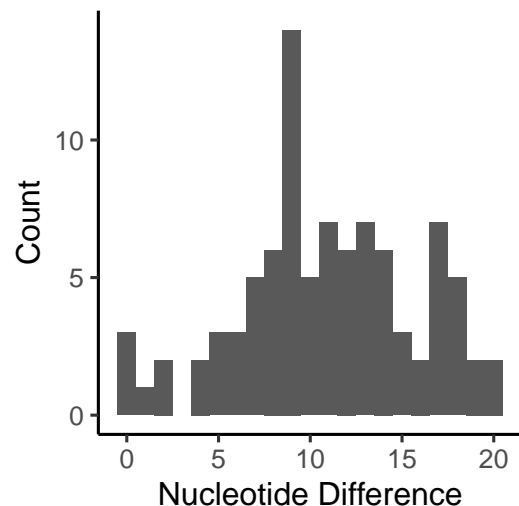
IGHV3-64*01

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



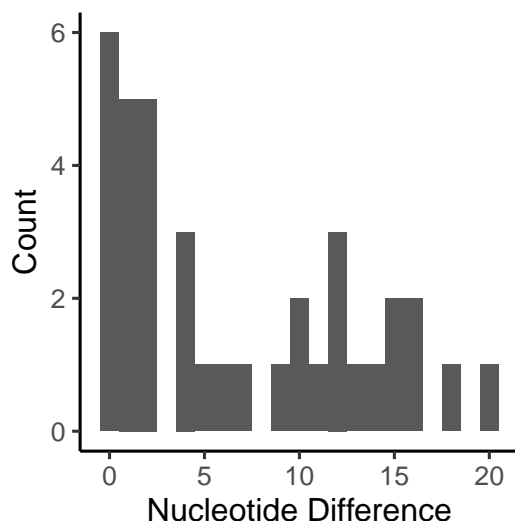
IGHV3-72*01

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



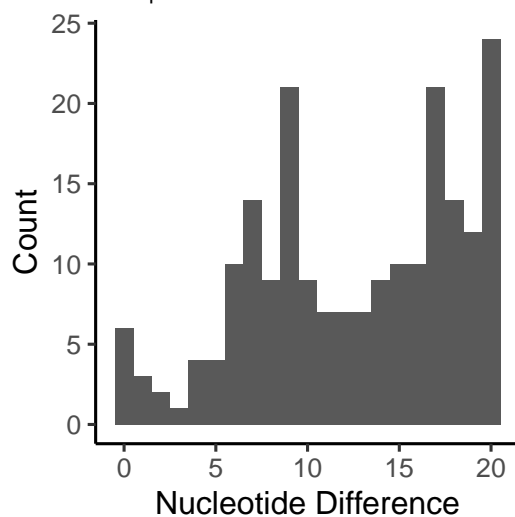
IGHV3-53*02

46 sequences assigned
6 (13%) exact matches, in which:
5 unique CDR3
2 unique J



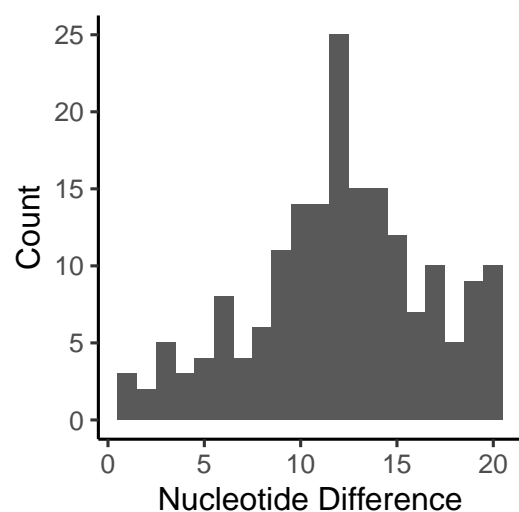
IGHV3-66*02

253 sequences assigned
6 (2.4%) exact matches, in which:
6 unique CDR3
4 unique J



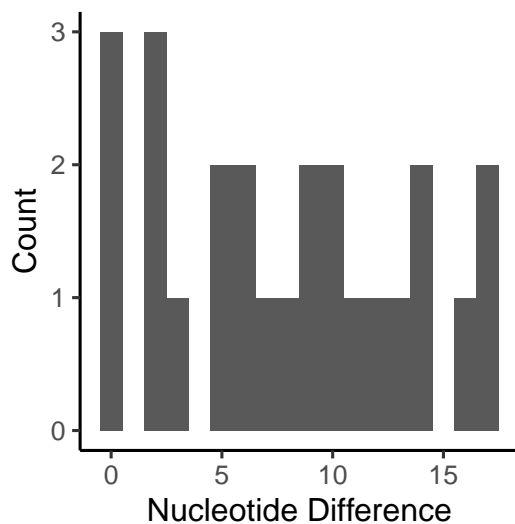
IGHV3-73*01

246 sequences assigned
No exact matches.



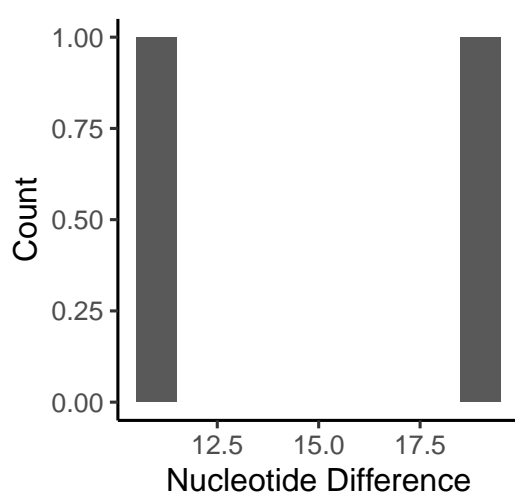
IGHV3-53*04

32 sequences assigned
3 (9.4%) exact matches, in which:
3 unique CDR3
2 unique J



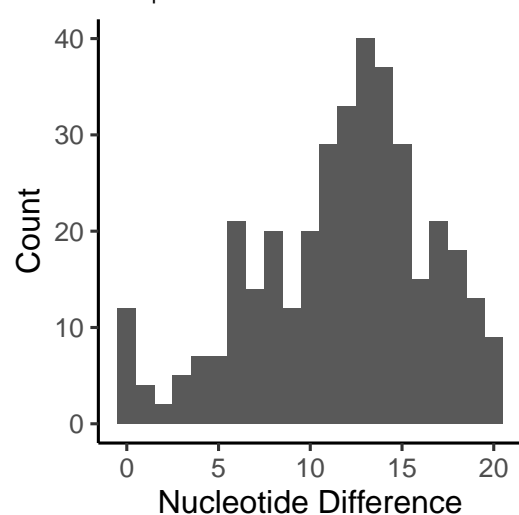
IGHV3-69-1*01

2 sequences assigned
No exact matches.



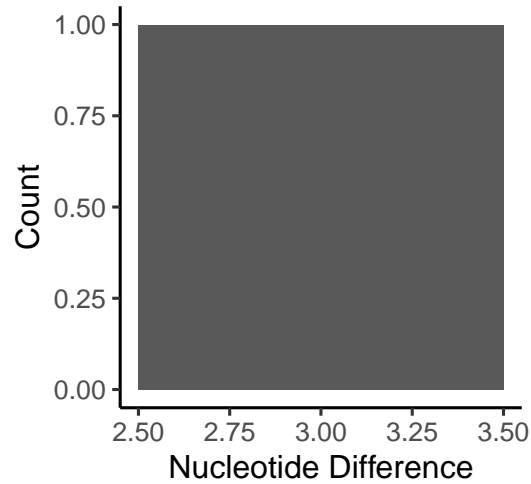
IGHV3-74*01

558 sequences assigned
12 (2.2%) exact matches, in which:
11 unique CDR3
4 unique J



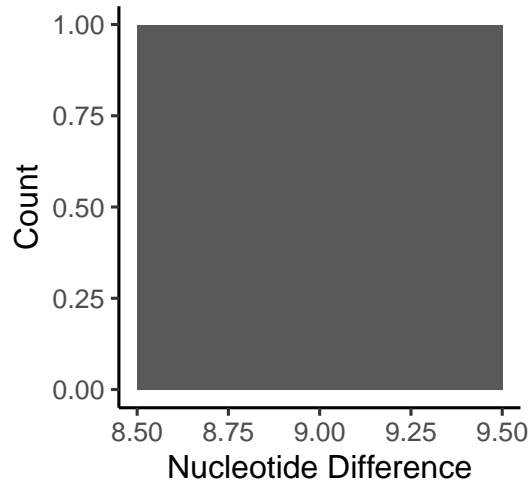
IGHV3-64D*06

1 sequences assigned
No exact matches.



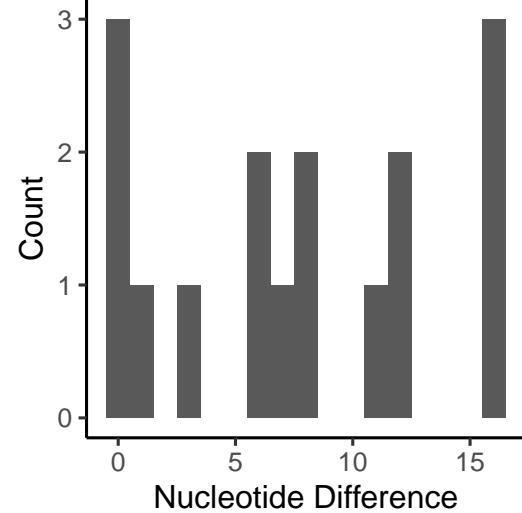
IGHV4-4*08

1 sequences assigned
No exact matches.



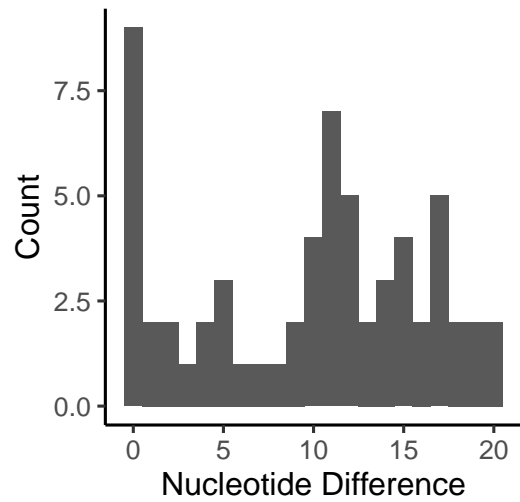
IGHV4-30-2*01

27 sequences assigned
3 (11.1%) exact matches, in which:
3 unique CDR3
3 unique J



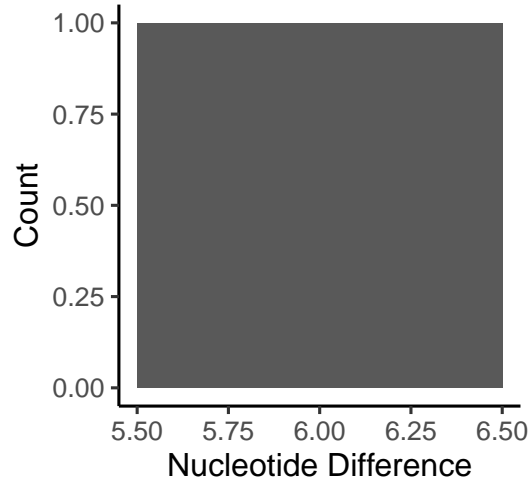
IGHV4-4*02

142 sequences assigned
9 (6.3%) exact matches, in which:
9 unique CDR3
3 unique J



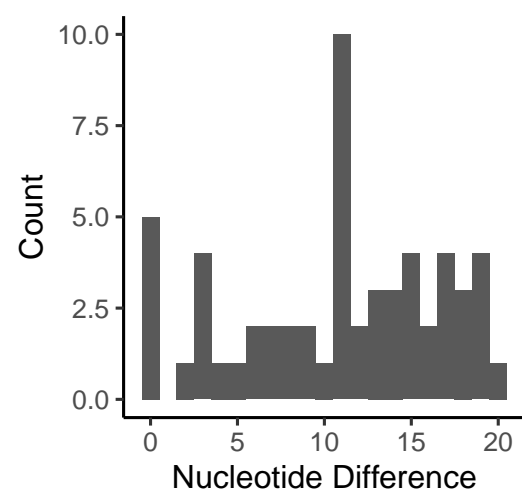
IGHV4-28*01

1 sequences assigned
No exact matches.



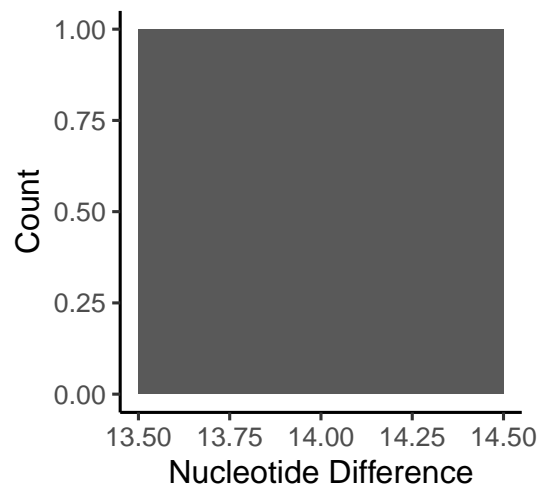
IGHV4-30-4*01

126 sequences assigned
5 (4%) exact matches, in which:
5 unique CDR3
3 unique J



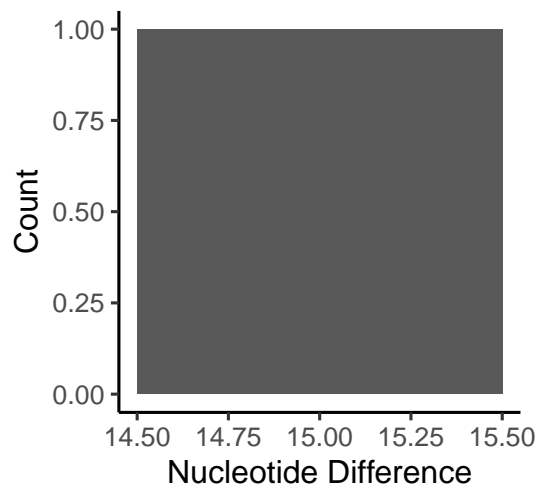
IGHV4-4*07

4 sequences assigned
No exact matches.



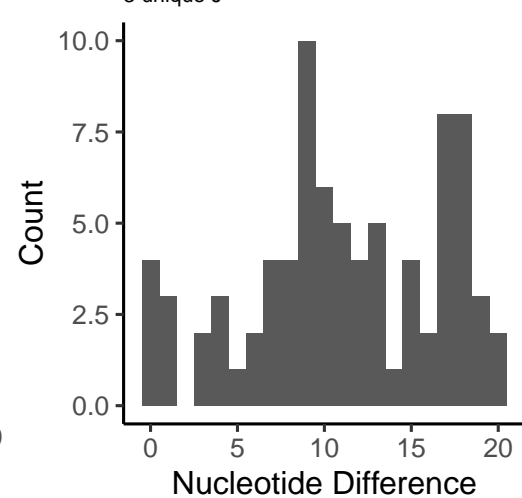
IGHV4-28*05

1 sequences assigned
No exact matches.



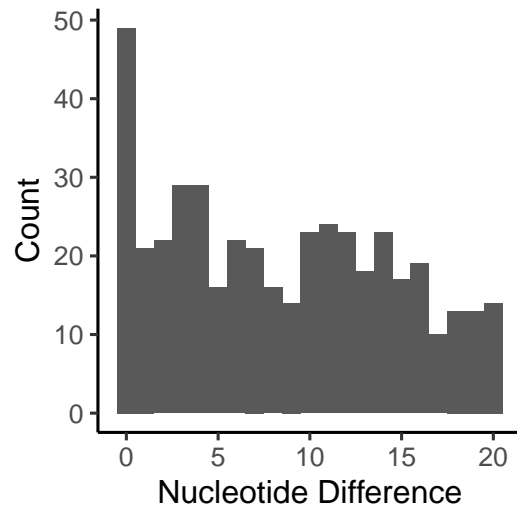
IGHV4-31*03

141 sequences assigned
4 (2.8%) exact matches, in which:
4 unique CDR3
3 unique J



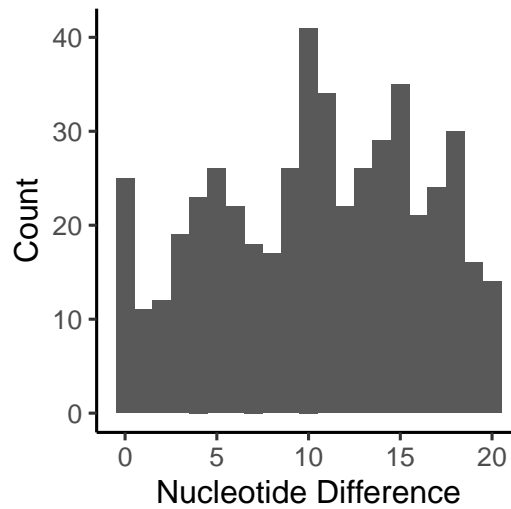
IGHV4-34*01

656 sequences assigned
49 (7.5%) exact matches, in which:
48 unique CDR3
5 unique J



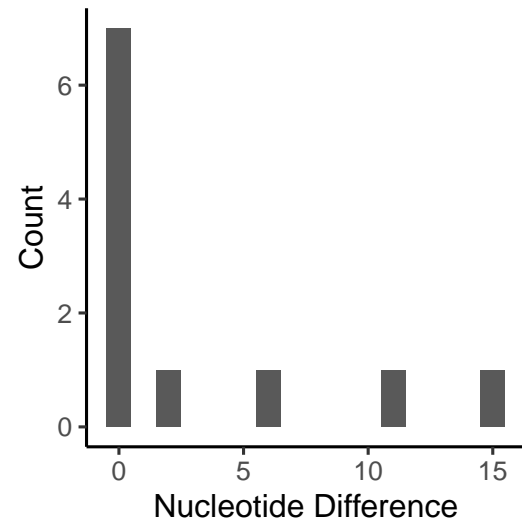
IGHV4-61*02

865 sequences assigned
25 (2.9%) exact matches, in which:
25 unique CDR3
6 unique J



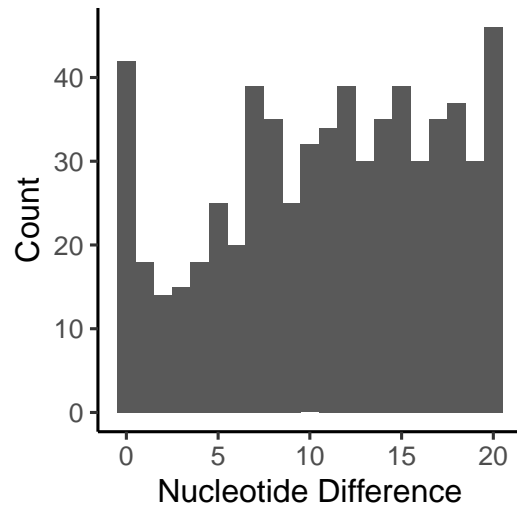
IGHV3/OR16-6*02

11 sequences assigned
7 (63.6%) exact matches, in which:
2 unique CDR3
1 unique J



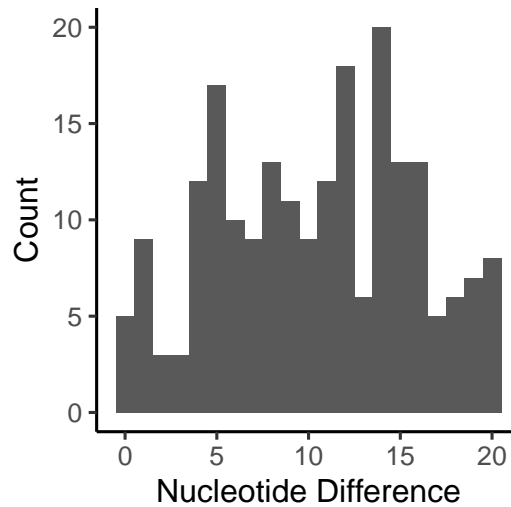
IGHV4-39*01

1002 sequences assigned
42 (4.2%) exact matches, in which:
42 unique CDR3
6 unique J



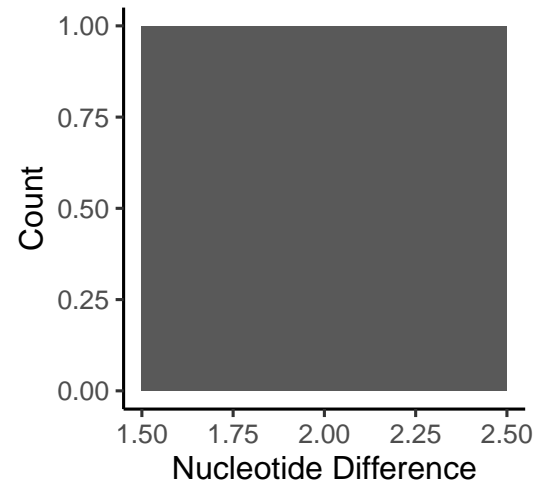
IGHV5-51*01

312 sequences assigned
5 (1.6%) exact matches, in which:
5 unique CDR3
3 unique J



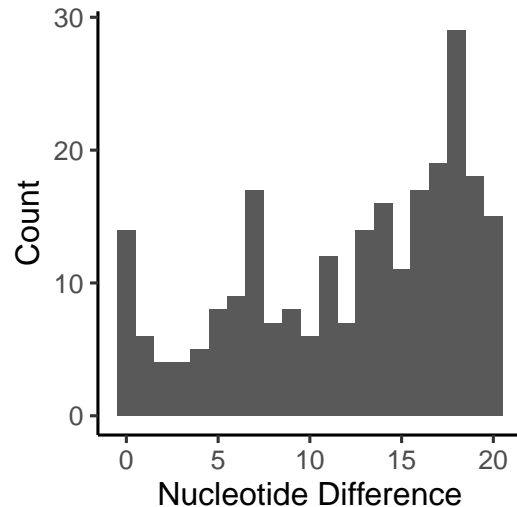
IGHV3/OR16-9*01

1 sequences assigned
No exact matches.



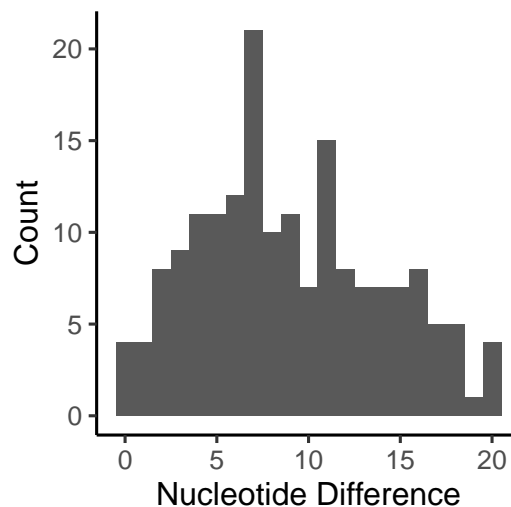
IGHV4-59*01

327 sequences assigned
14 (4.3%) exact matches, in which:
14 unique CDR3
5 unique J



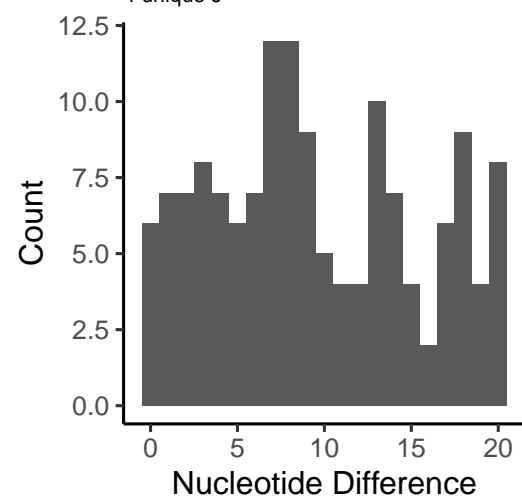
IGHV6-1*01

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



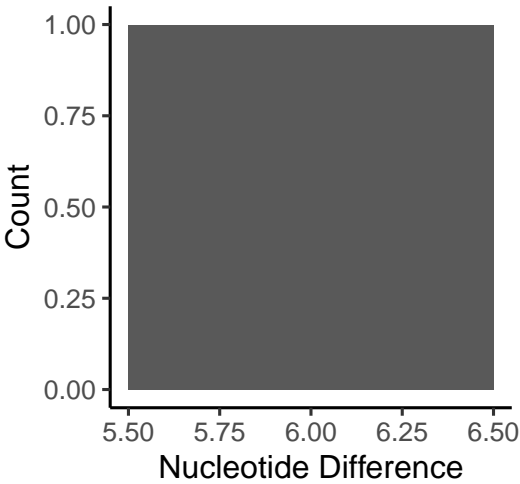
IGHV7-4-1*02

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

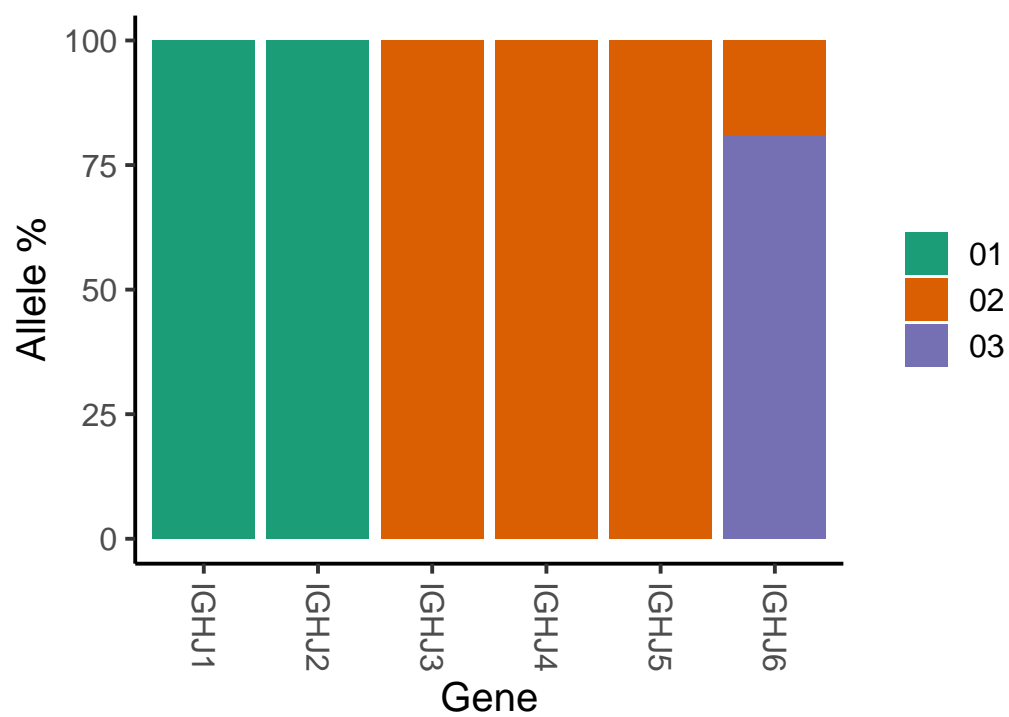


IGHV7-81*01

1 sequences assigned
No exact matches.



Allele Usage



Warning – no inferred sequences found.