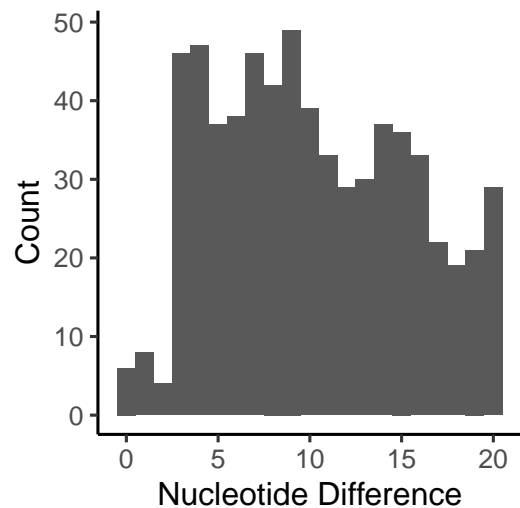


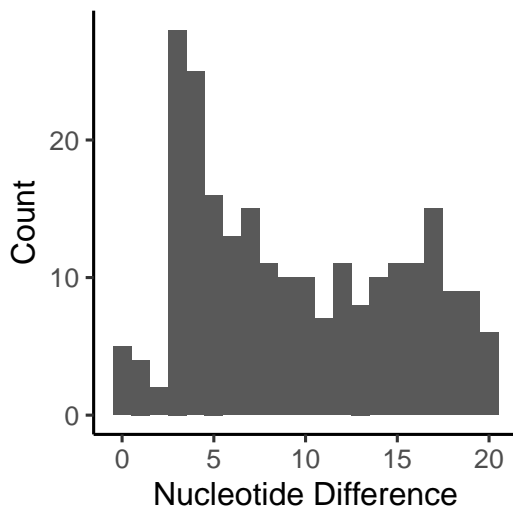
IGHV1-2*02

926 sequences assigned
6 (0.6%) exact matches, in which:
6 unique CDR3
2 unique J



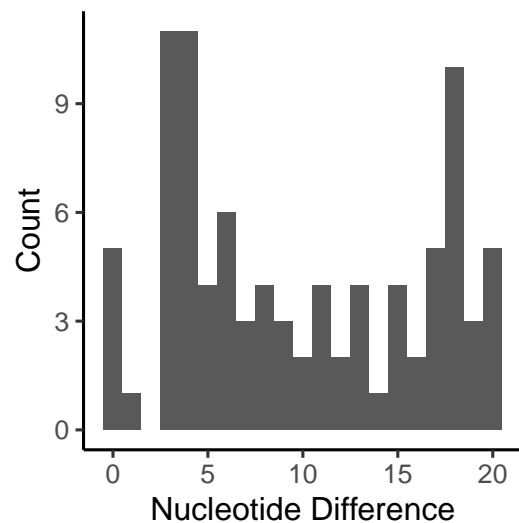
IGHV1-8*01

303 sequences assigned
5 (1.7%) exact matches, in which:
5 unique CDR3
3 unique J



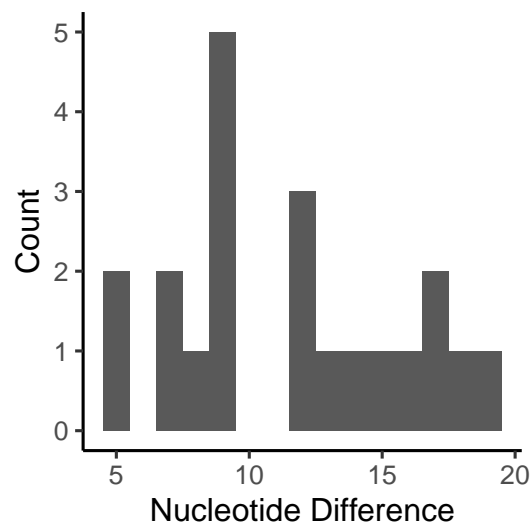
IGHV1-24*01

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



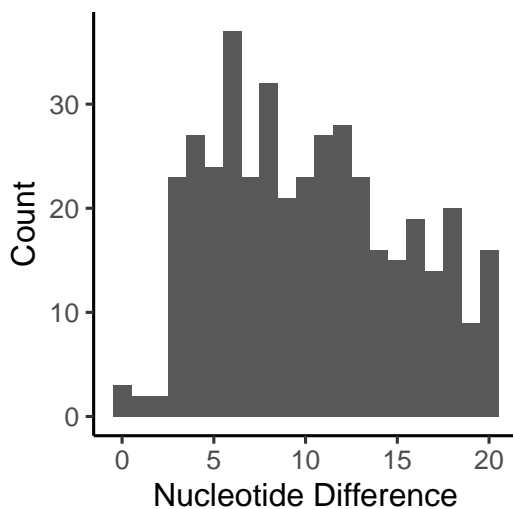
IGHV1-3*04

37 sequences assigned
No exact matches.



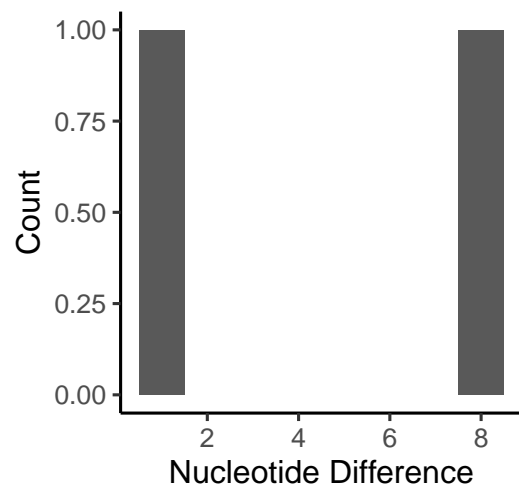
IGHV1-18*01

567 sequences assigned
3 (0.5%) exact matches, in which:
3 unique CDR3
2 unique J



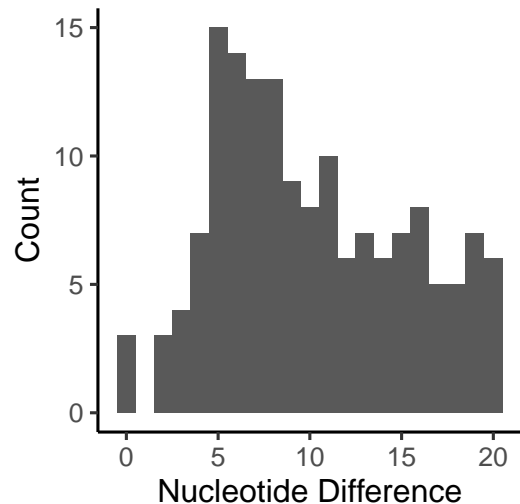
IGHV1-45*02

4 sequences assigned
No exact matches.



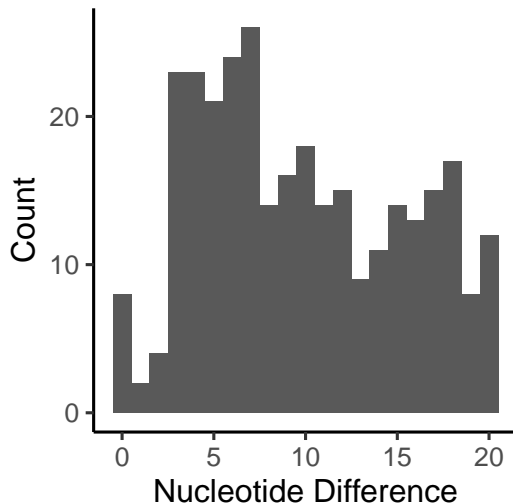
IGHV1-3*01_05

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



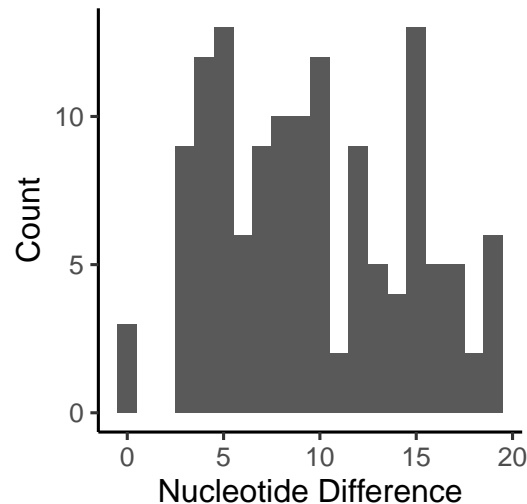
IGHV1-18*04

420 sequences assigned
8 (1.9%) exact matches, in which:
7 unique CDR3
3 unique J



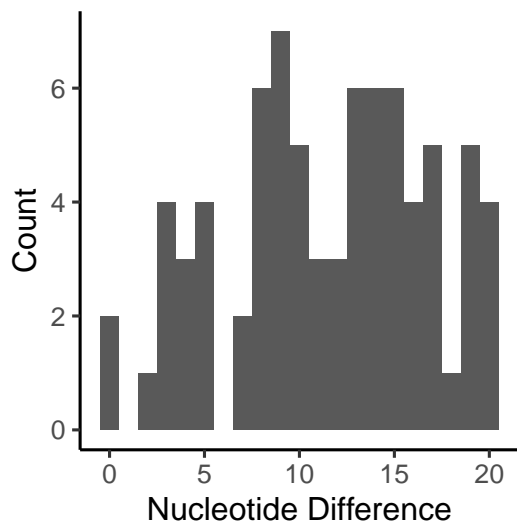
IGHV1-46*01

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



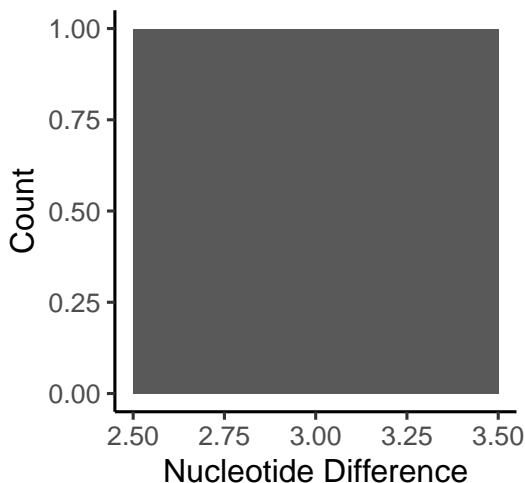
IGHV1-46*03

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



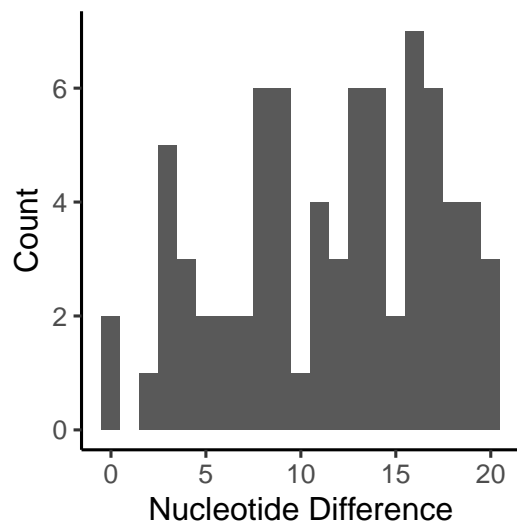
IGHV1-68*02_03

2 sequences assigned
No exact matches.



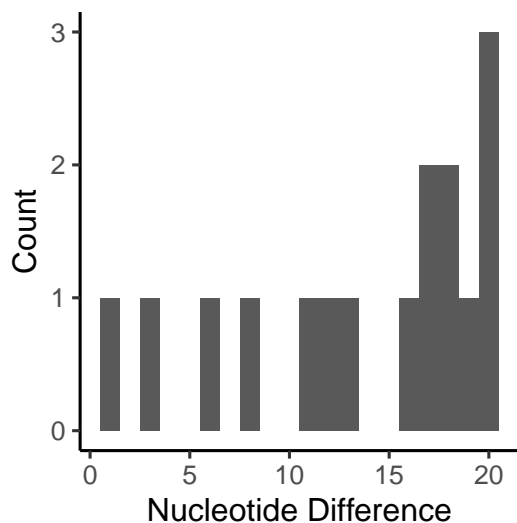
IGHV1-69*06_14

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



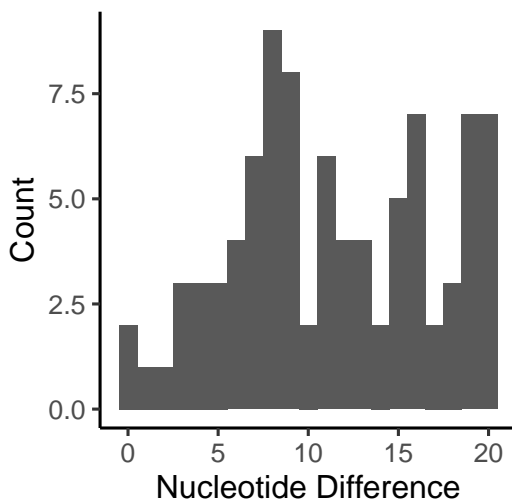
IGHV1-58*02

43 sequences assigned
No exact matches.



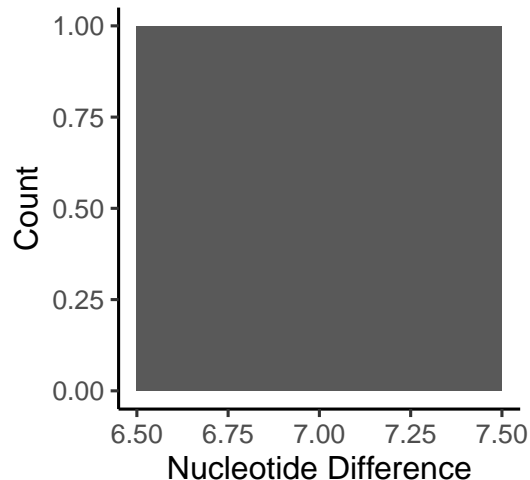
IGHV1-69*01_12_13

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



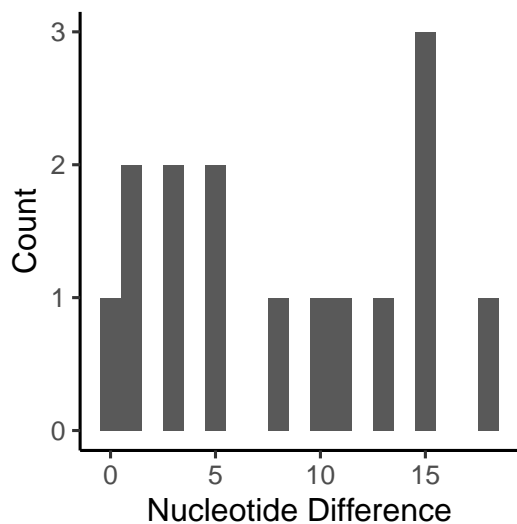
IGHV1-NL1*01

1 sequences assigned
No exact matches.



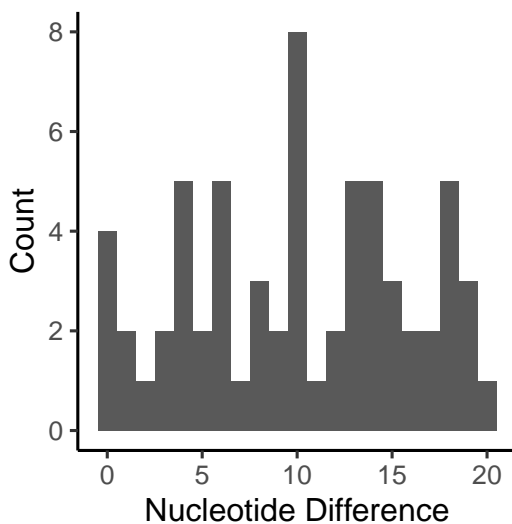
IGHV1-58*01_03

21 sequences assigned
1 (4.8%) exact matches, in which:
1 unique CDR3
1 unique J



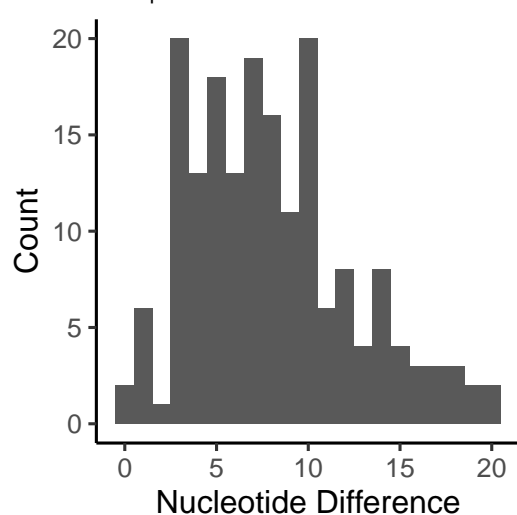
IGHV1-69*04_09

121 sequences assigned
4 (3.3%) exact matches, in which:
3 unique CDR3
2 unique J



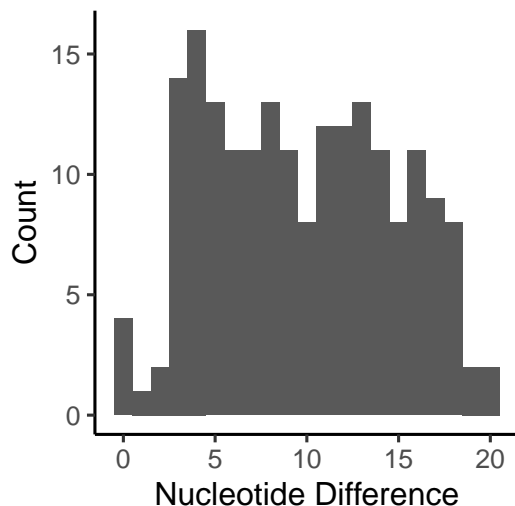
IGHV2-5*01

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



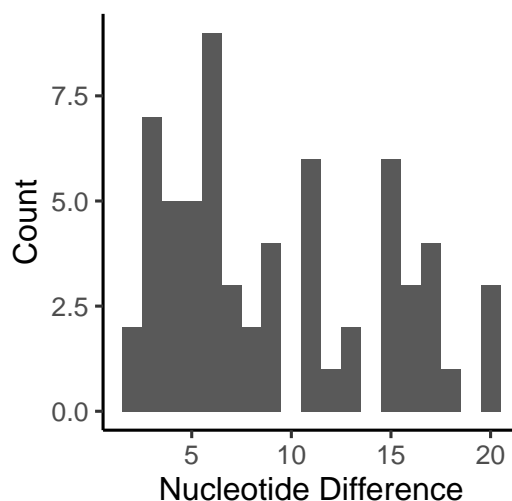
IGHV2-5*02

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



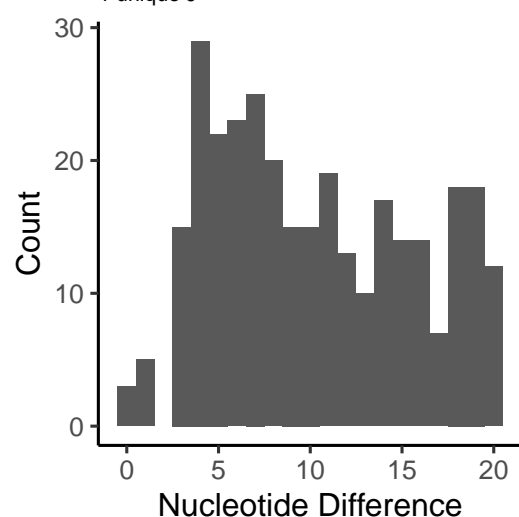
IGHV2-70*11_15

70 sequences assigned
No exact matches.



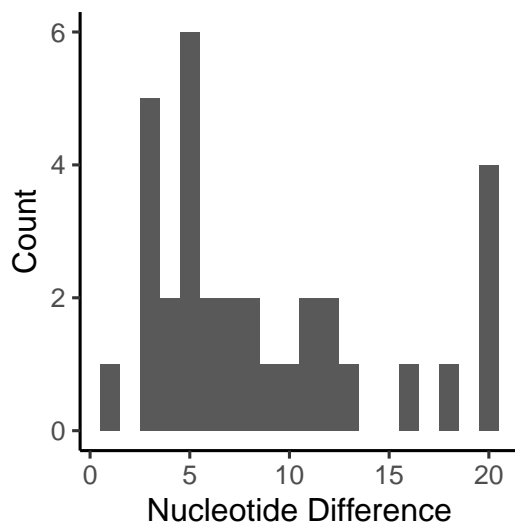
IGHV3-9*01

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



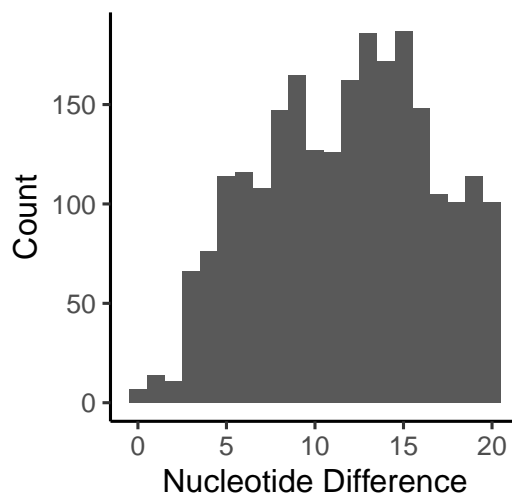
IGHV2-26*01

54 sequences assigned
No exact matches.



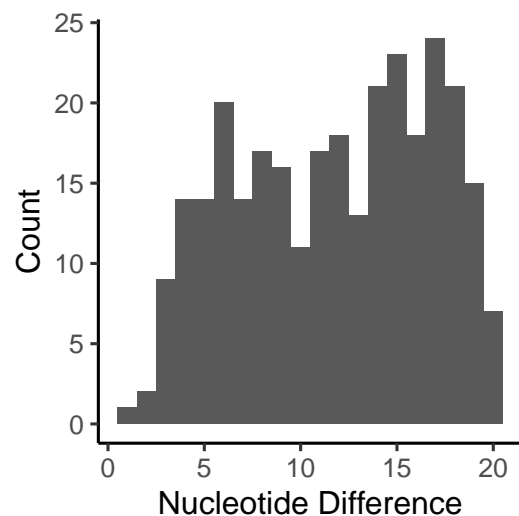
IGHV3-7*01

2832 sequences assigned
7 (0.2%) exact matches, in which:
5 unique CDR3
2 unique J



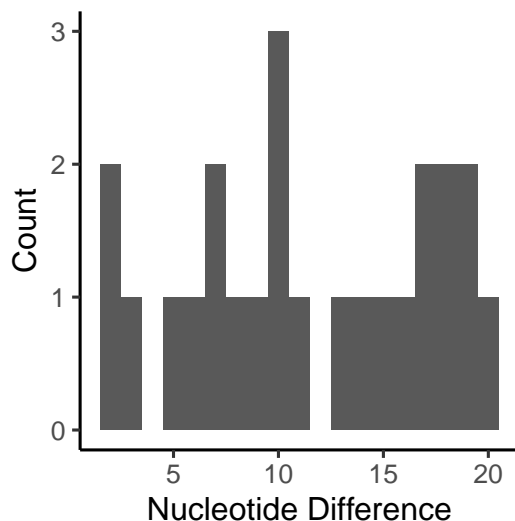
IGHV3-11*01

399 sequences assigned
No exact matches.



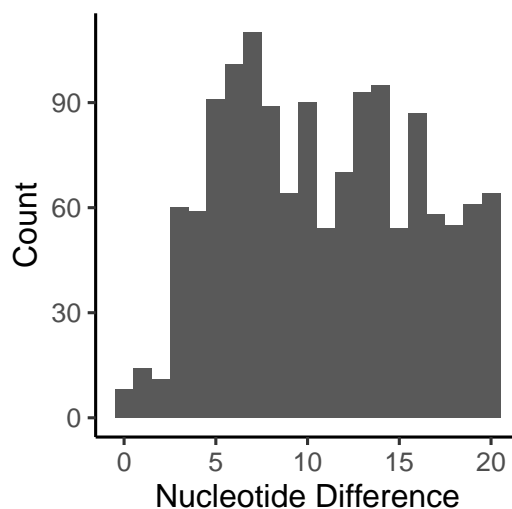
IGHV2-70*01

27 sequences assigned
No exact matches.



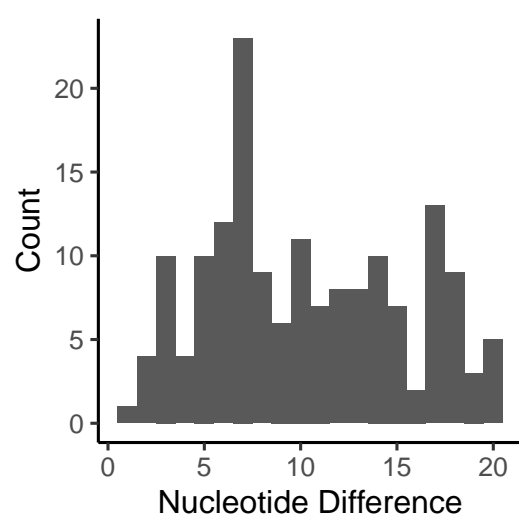
IGHV3-7*03

1630 sequences assigned
8 (0.5%) exact matches, in which:
4 unique CDR3
2 unique J



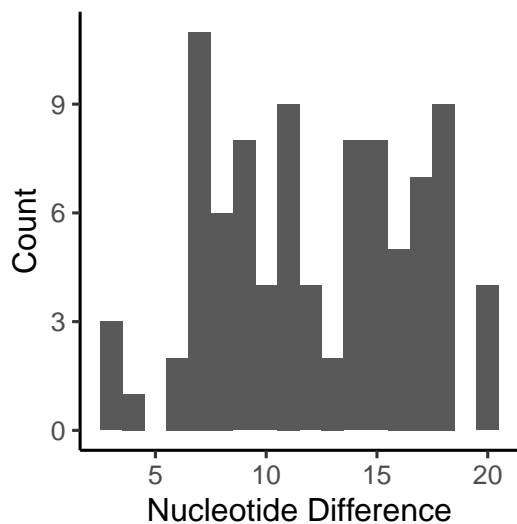
IGHV3-11*06

221 sequences assigned
No exact matches.



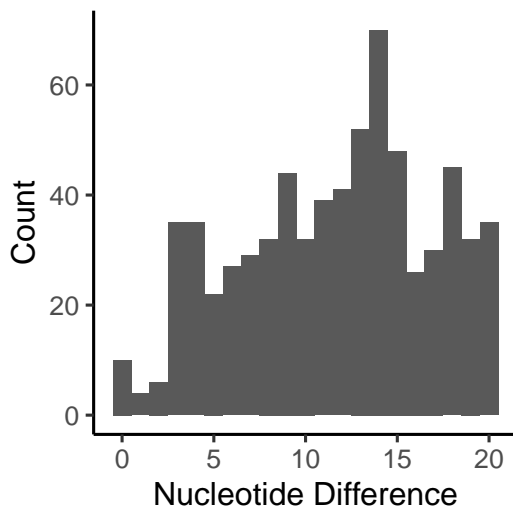
IGHV3-13*01

108 sequences assigned
No exact matches.



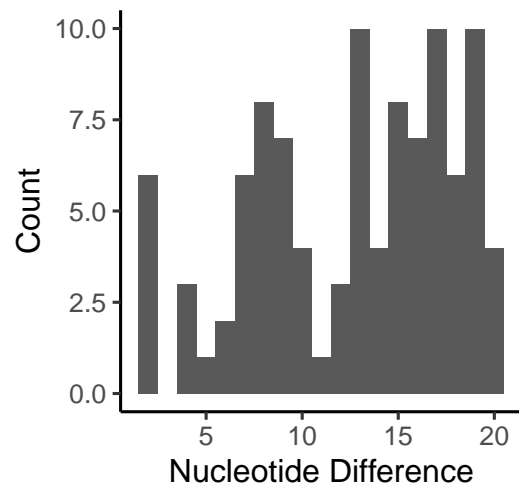
IGHV3-15*01_02

921 sequences assigned
10 (1.1%) exact matches, in which:
7 unique CDR3
2 unique J



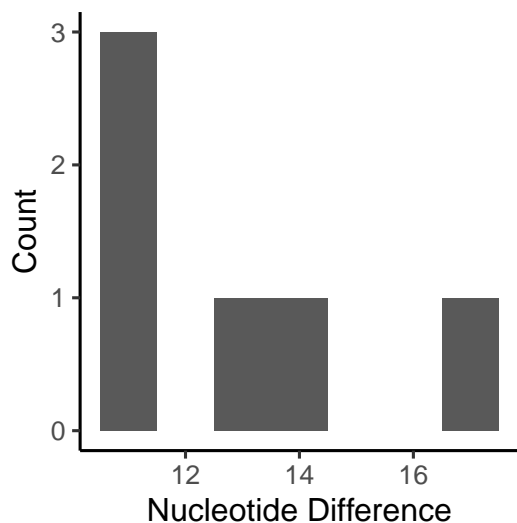
IGHV3-21*06

186 sequences assigned
No exact matches.



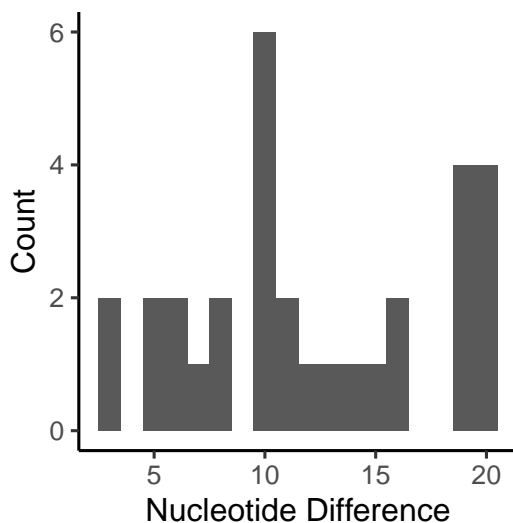
IGHV3-13*04

12 sequences assigned
No exact matches.



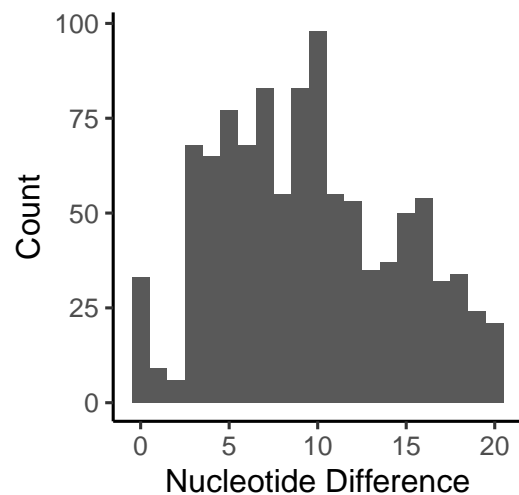
IGHV3-20*01_02

39 sequences assigned
No exact matches.



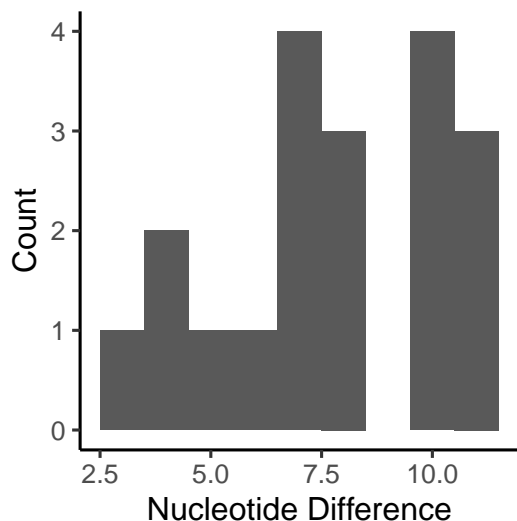
IGHV3-21*01_02

1297 sequences assigned
33 (2.5%) exact matches, in which:
14 unique CDR3
4 unique J



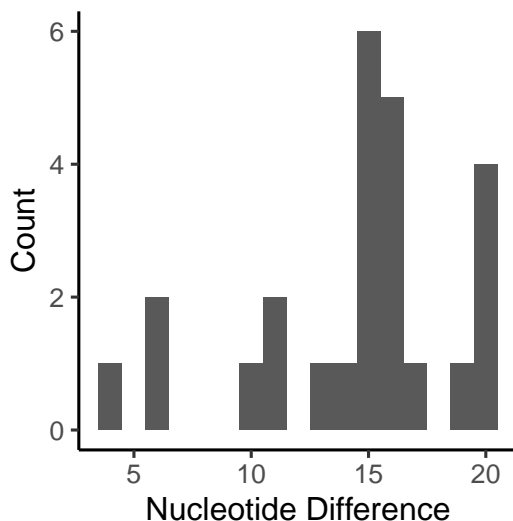
IGHV3-13*05

21 sequences assigned
No exact matches.



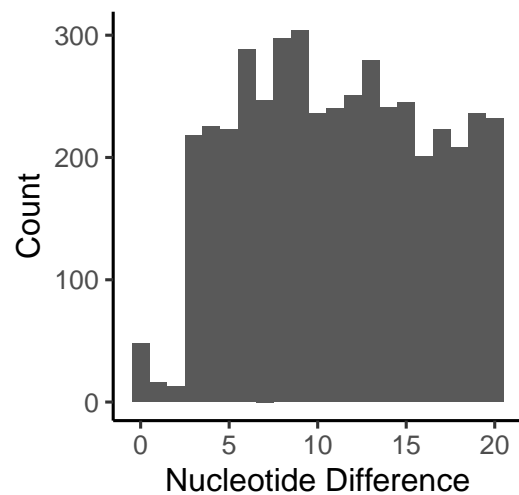
IGHV3-20*03_04

53 sequences assigned
No exact matches.



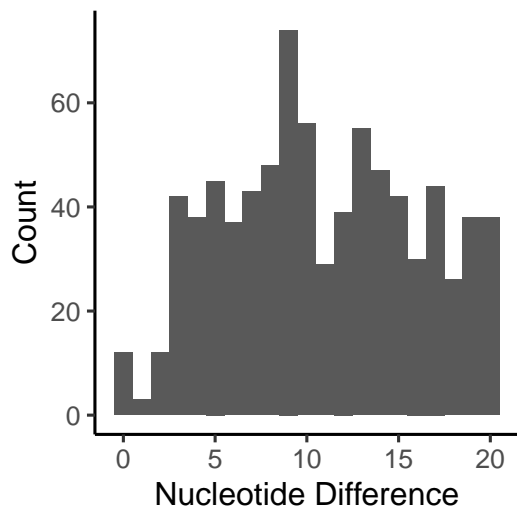
IGHV3-23*01_04

6398 sequences assigned
48 (0.8%) exact matches, in which:
25 unique CDR3
5 unique J



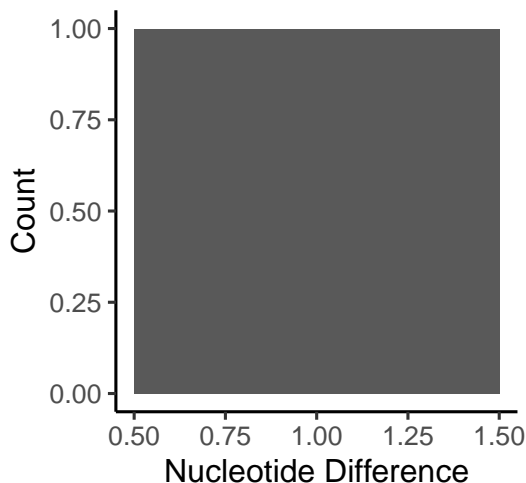
IGHV3-30-3*01

1050 sequences assigned
12 (1.1%) exact matches, in which:
6 unique CDR3
2 unique J



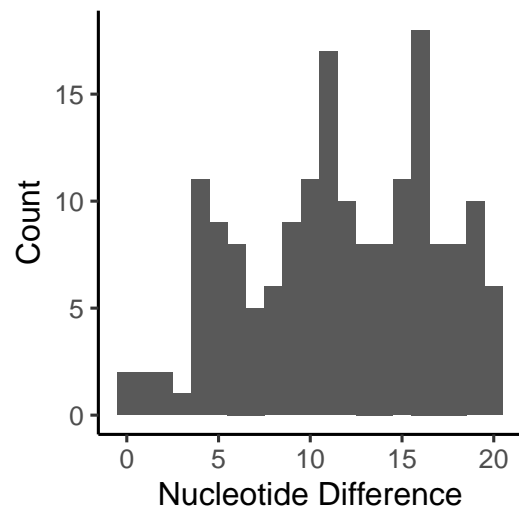
IGHV3-47*02

1 sequences assigned
No exact matches.



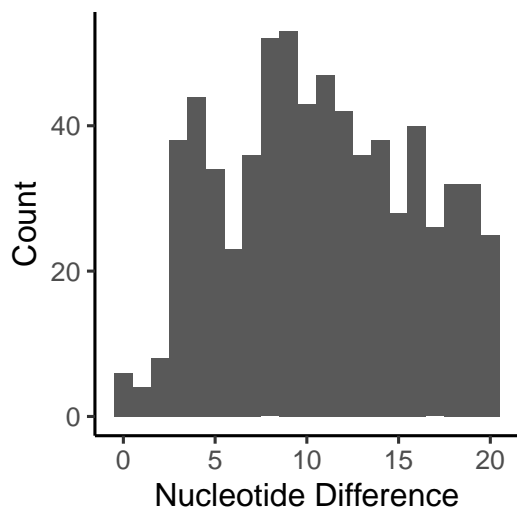
IGHV3-49*03_05

241 sequences assigned
2 (0.8%) exact matches, in which:
2 unique CDR3
1 unique J



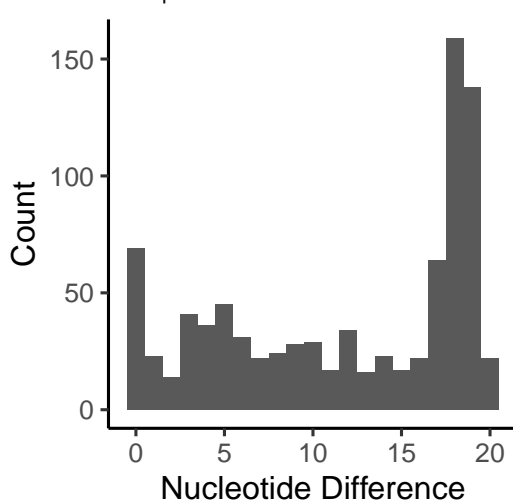
IGHV3-33*01

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



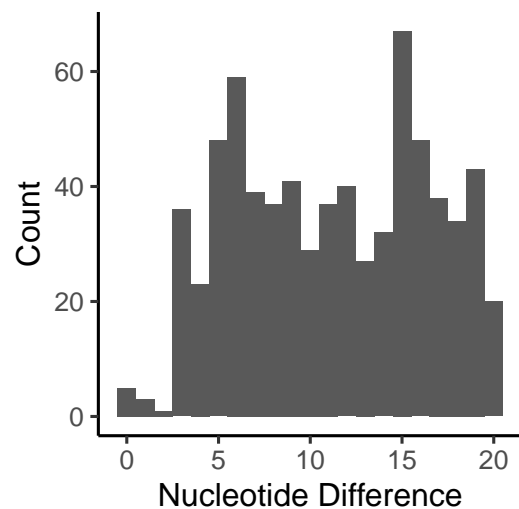
IGHV3-48*01

1018 sequences assigned
69 (6.8%) exact matches, in which:
28 unique CDR3
4 unique J



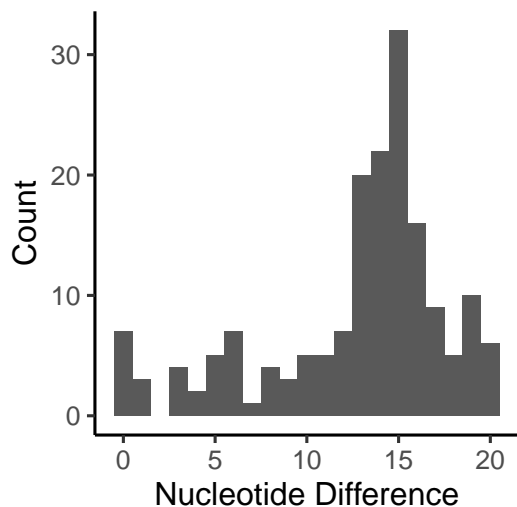
IGHV3-53*01_02

910 sequences assigned
5 (0.5%) exact matches, in which:
4 unique CDR3
3 unique J



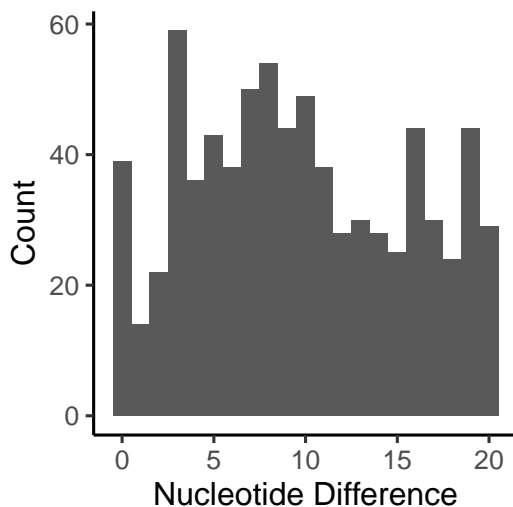
IGHV3-43*01

242 sequences assigned
7 (2.9%) exact matches, in which:
3 unique CDR3
3 unique J



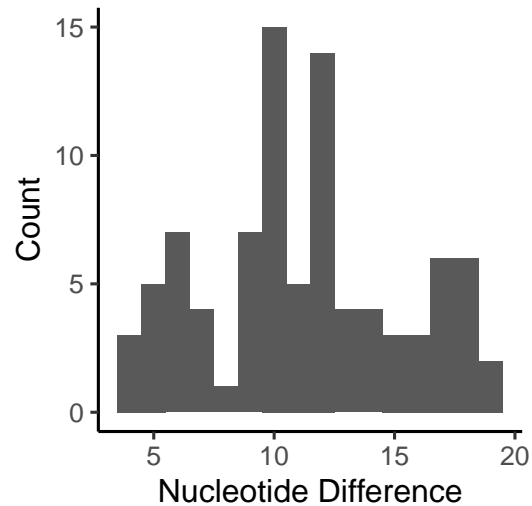
IGHV3-48*02

947 sequences assigned
39 (4.1%) exact matches, in which:
17 unique CDR3
4 unique J



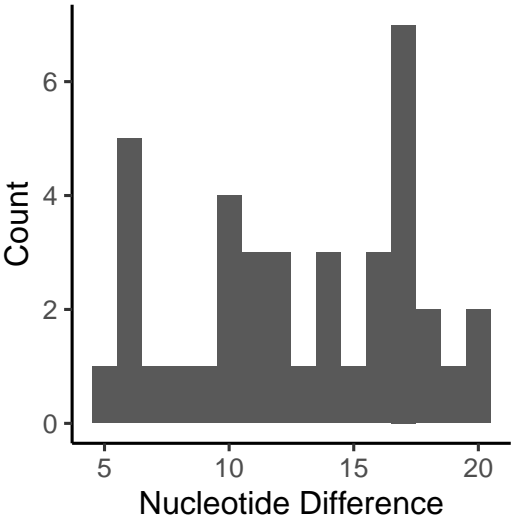
IGHV3-64*01

103 sequences assigned
No exact matches.



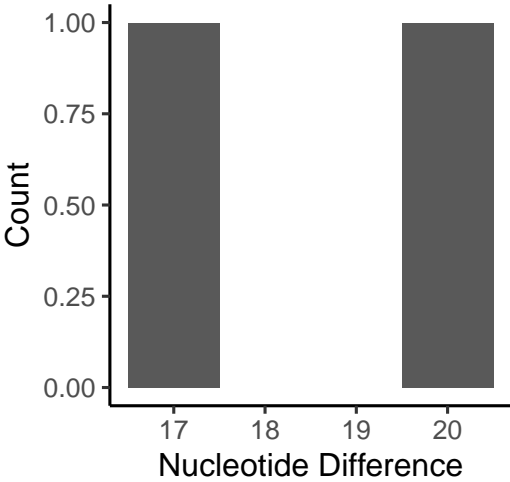
IGHV3-64*02_07

55 sequences assigned
No exact matches.



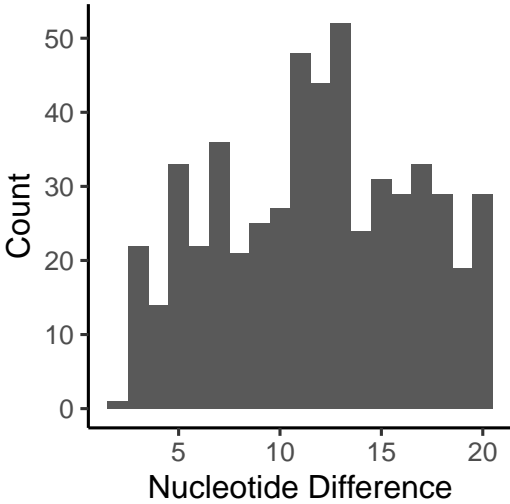
IGHV3-69-1*02

14 sequences assigned
No exact matches.



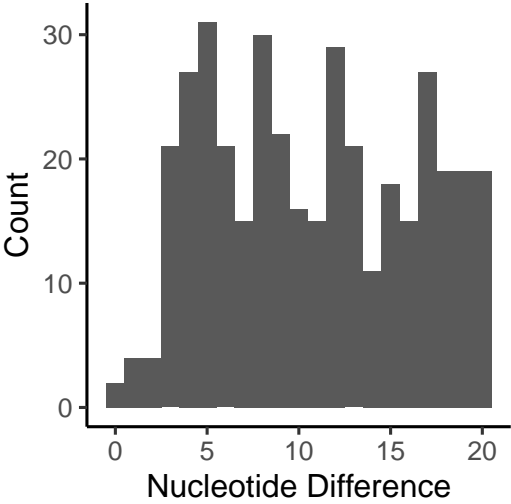
IGHV3-74*03

717 sequences assigned
No exact matches.



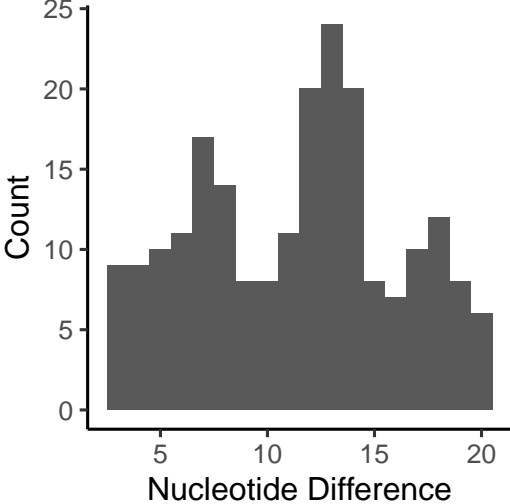
IGHV3-66*01

523 sequences assigned
2 (0.4%) exact matches, in which:
2 unique CDR3
1 unique J



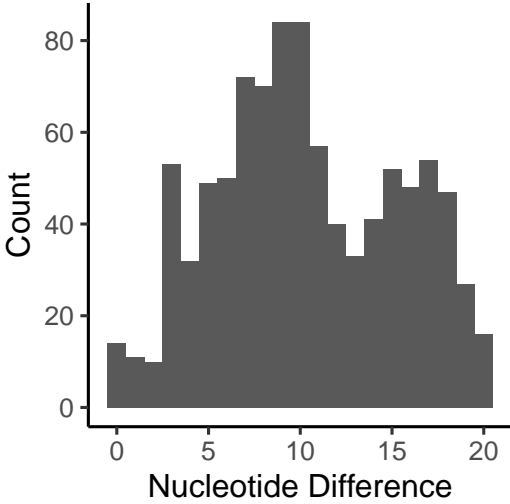
IGHV3-72*01

315 sequences assigned
No exact matches.



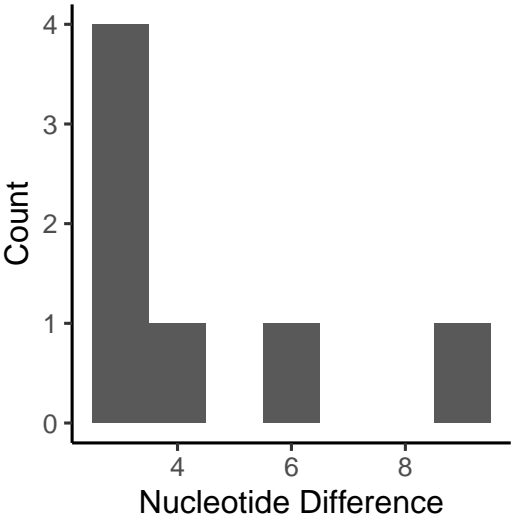
IGHV3-74*01_02

1106 sequences assigned
14 (1.3%) exact matches, in which:
7 unique CDR3
2 unique J



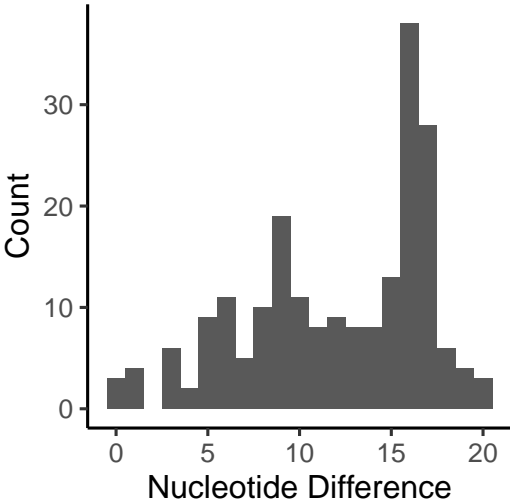
IGHV3-69-1*01

13 sequences assigned
No exact matches.



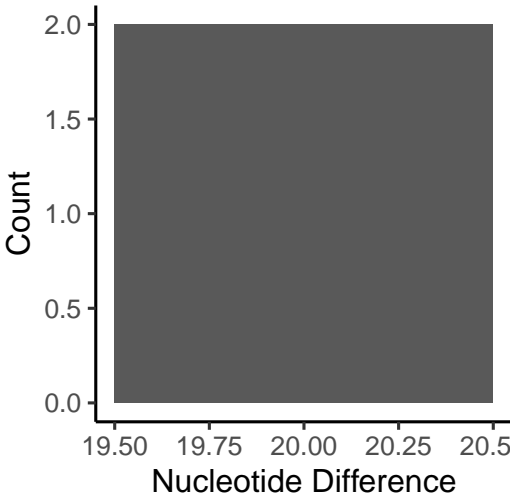
IGHV3-73*01_02

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



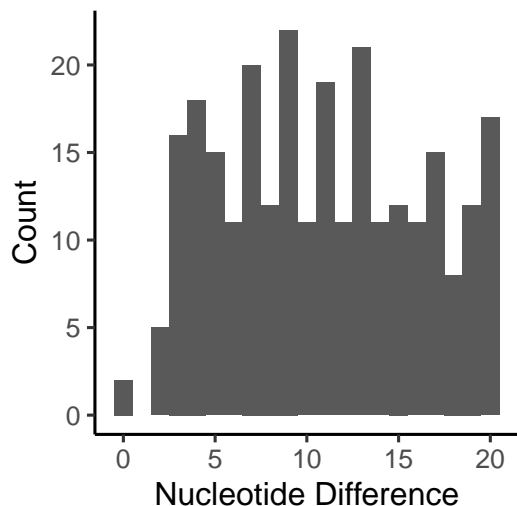
IGHV3-43D*04

3 sequences assigned
No exact matches.



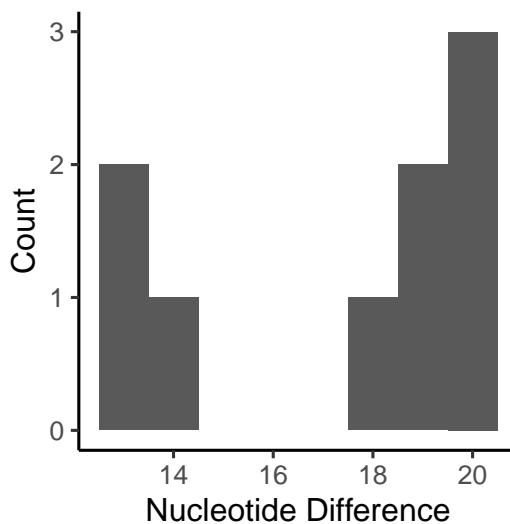
IGHV3-64D*06

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



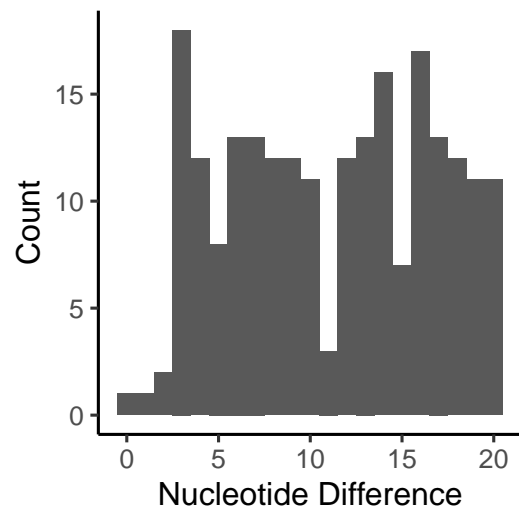
IGHV4-28*03

14 sequences assigned
No exact matches.



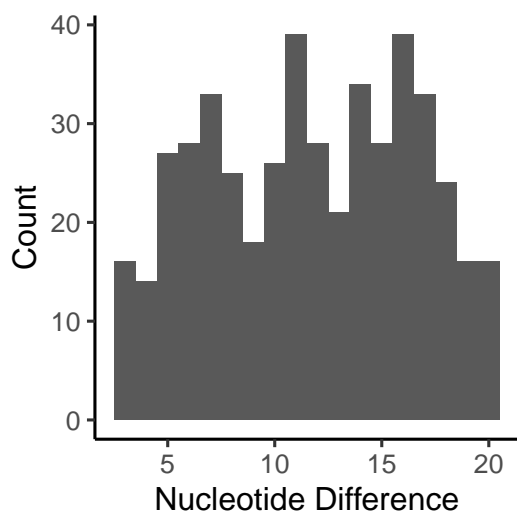
IGHV4-30-4*01

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



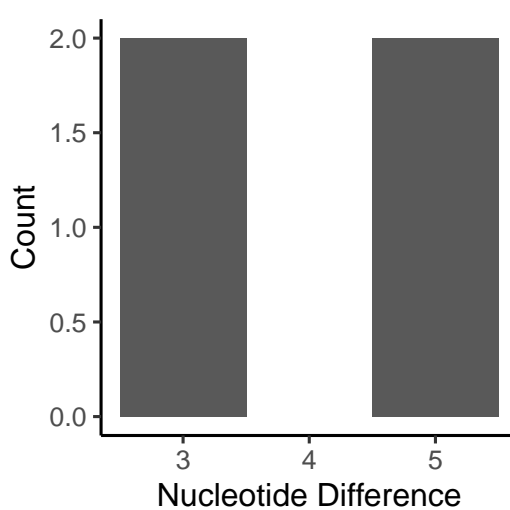
IGHV4-4*07

624 sequences assigned
No exact matches.



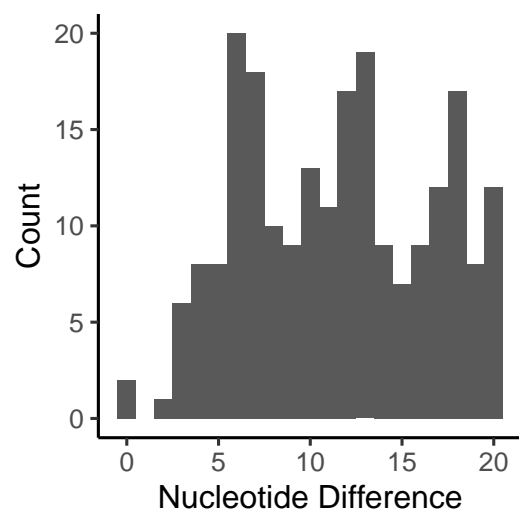
IGHV4-28*01_07

6 sequences assigned
No exact matches.



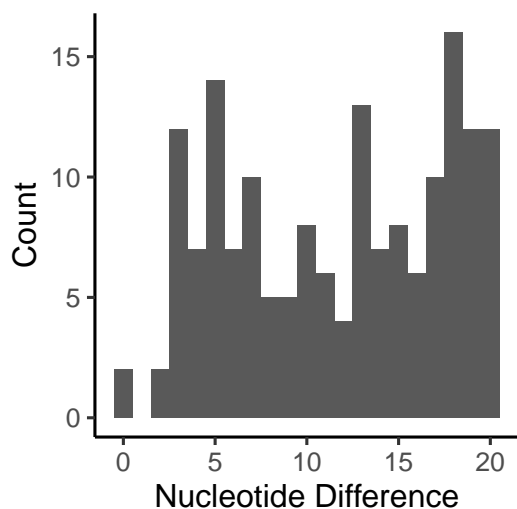
IGHV4-30-2*01

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



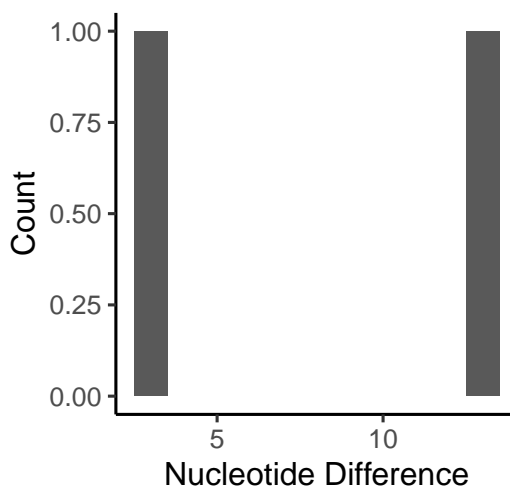
IGHV4-4*02_03

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



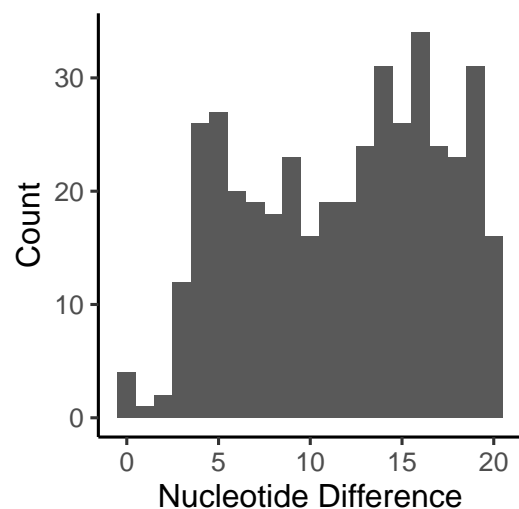
IGHV4-28*02_05

2 sequences assigned
No exact matches.



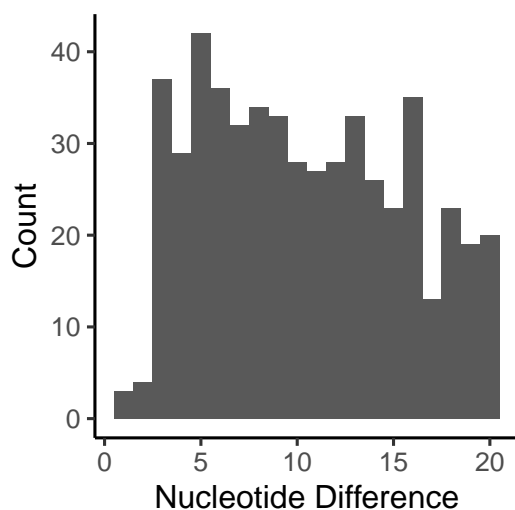
IGHV4-31*02

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



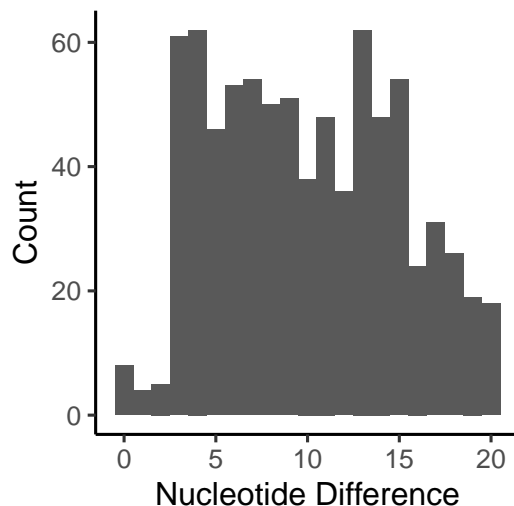
IGHV4-34*01_02

733 sequences assigned
No exact matches.



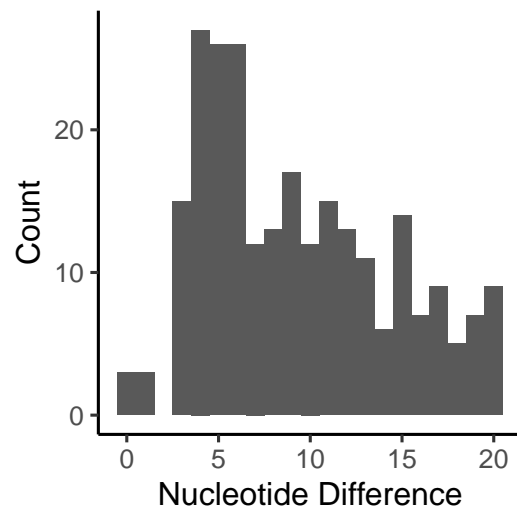
IGHV4-59*08

1005 sequences assigned
8 (0.8%) exact matches, in which:
5 unique CDR3
2 unique J



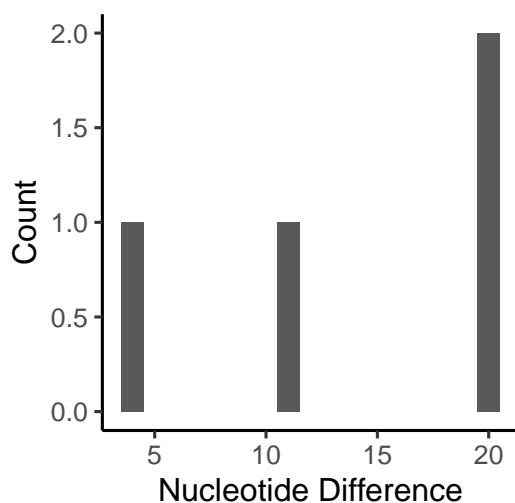
IGHV4-61*01

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



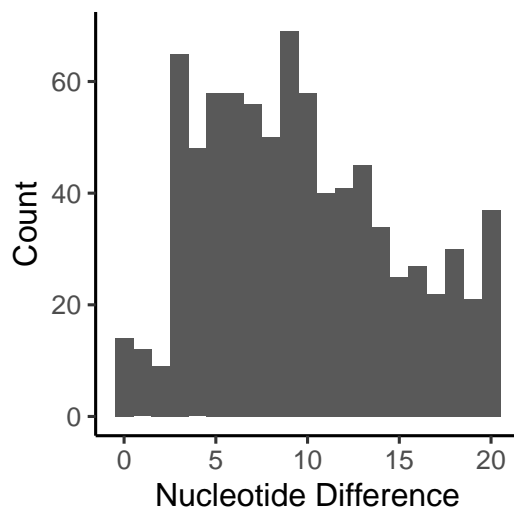
IGHV4-38-2*02

10 sequences assigned
No exact matches.



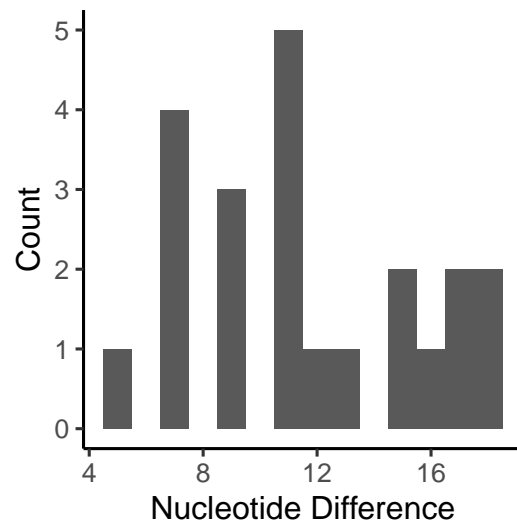
IGHV4-59*01_07

1147 sequences assigned
14 (1.2%) exact matches, in which:
9 unique CDR3
3 unique J



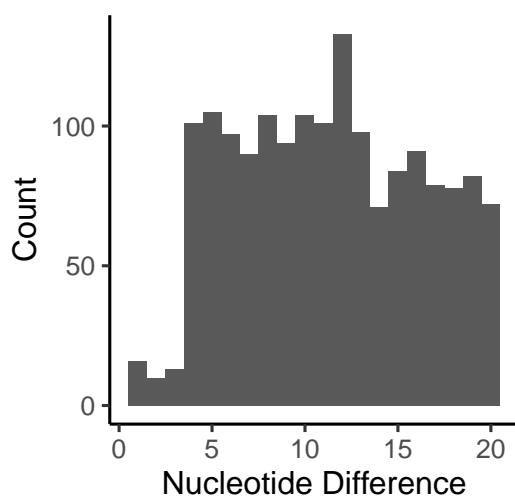
IGHV4-61*08

55 sequences assigned
No exact matches.



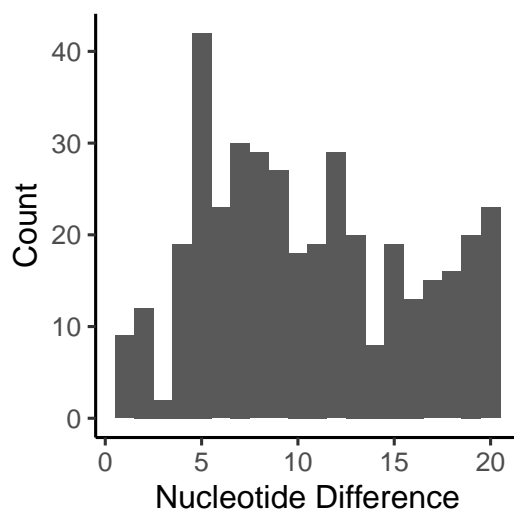
IGHV4-39*02

2373 sequences assigned
No exact matches.



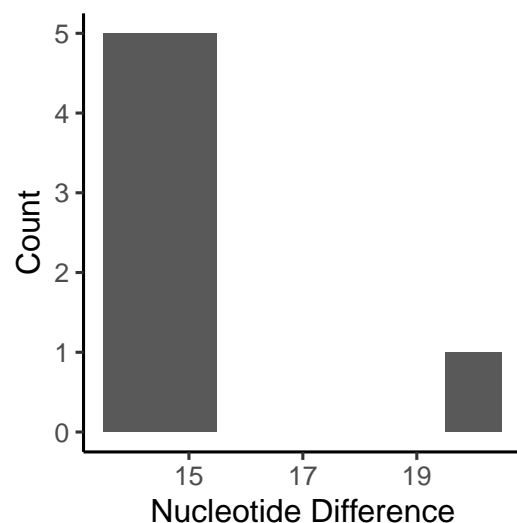
IGHV4-59*11

533 sequences assigned
No exact matches.



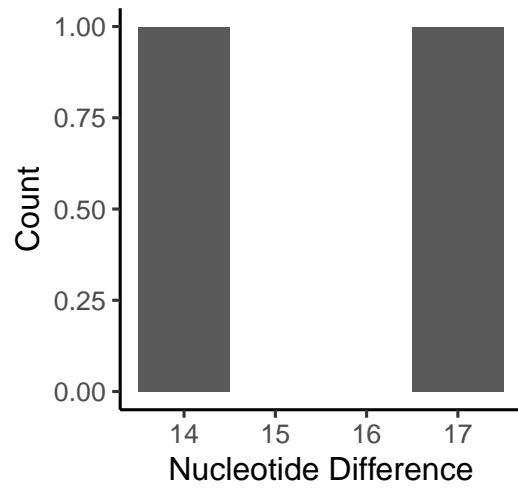
IGHV4/OR15-8*01

12 sequences assigned
No exact matches.



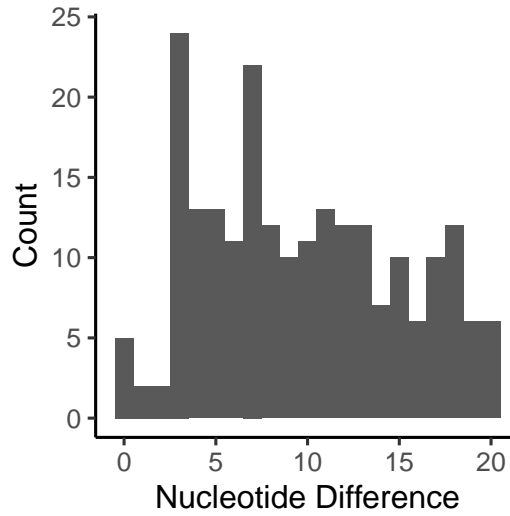
IGHV4/OR15-8*02

24 sequences assigned
No exact matches.



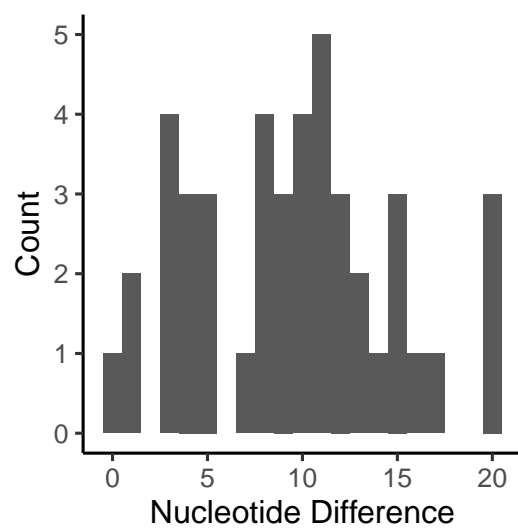
IGHV5-51*01_03

257 sequences assigned
5 (1.9%) exact matches, in which:
5 unique CDR3
2 unique J



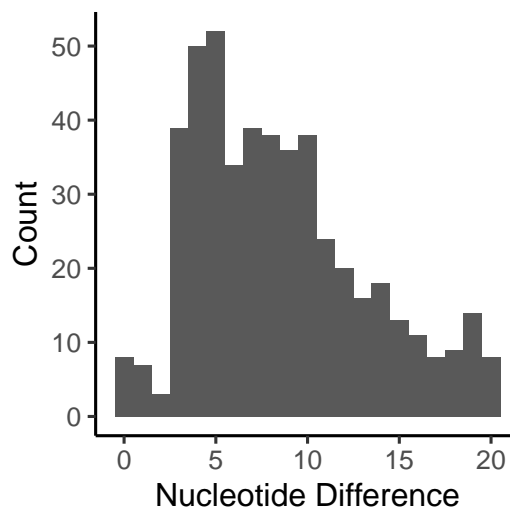
IGHV5-10-1*01_03

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



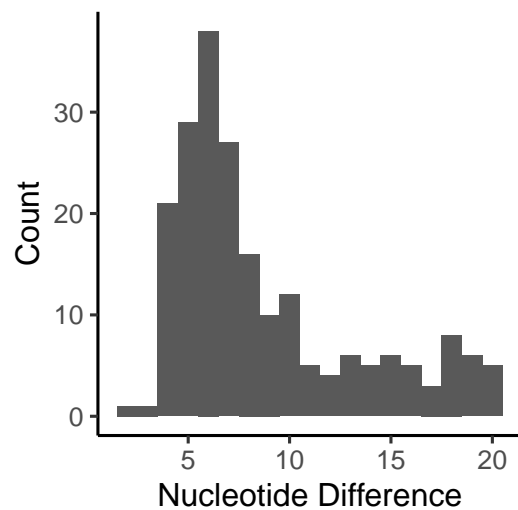
IGHV6-1*01_02

525 sequences assigned
8 (1.5%) exact matches, in which:
8 unique CDR3
3 unique J



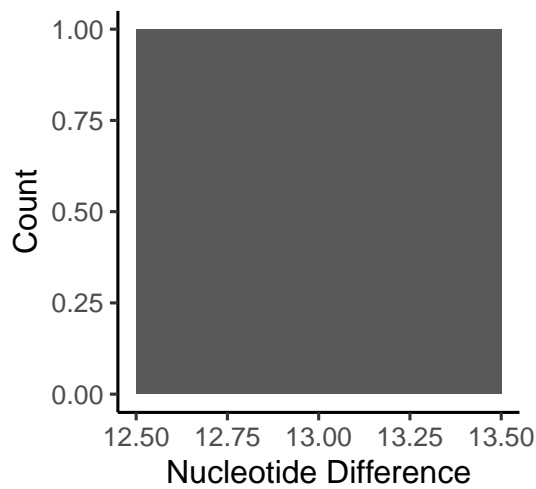
IGHV5-51*07

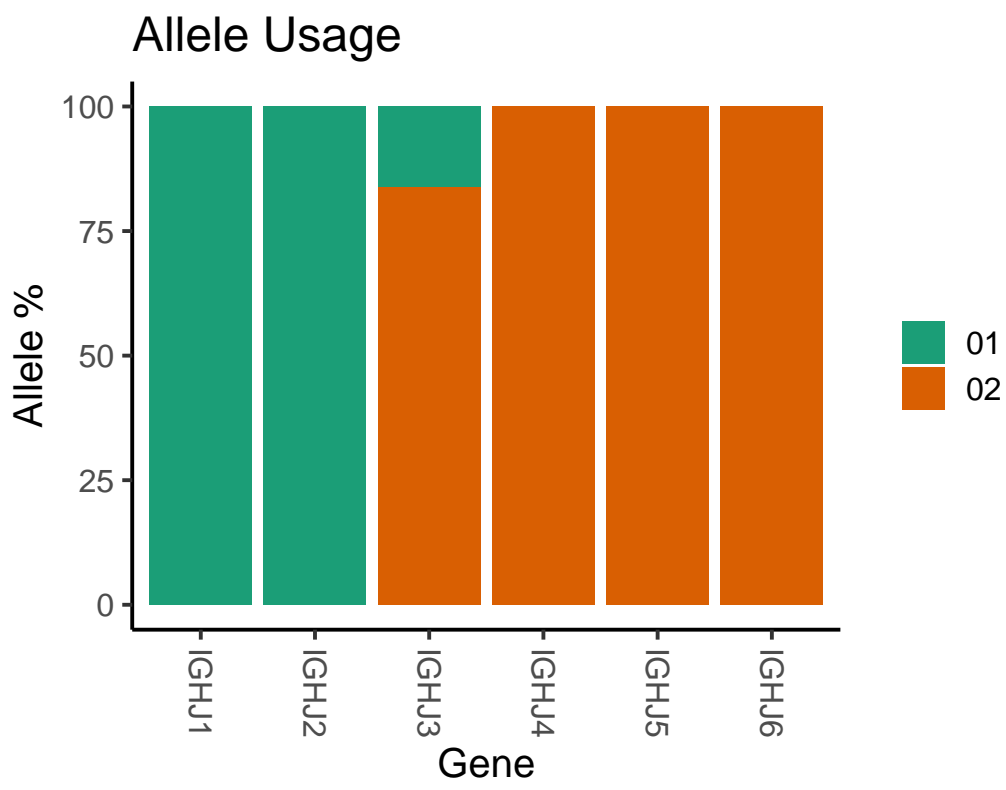
244 sequences assigned
No exact matches.



IGHV7-4-1*01

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.