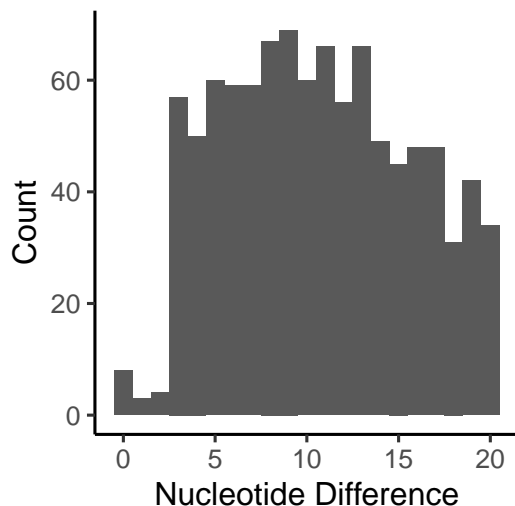


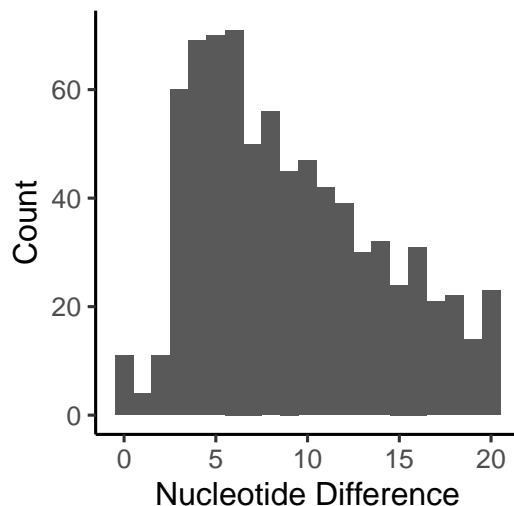
IGHV1-2*02

1203 sequences assigned
8 (0.7%) exact matches, in which:
8 unique CDR3
3 unique J



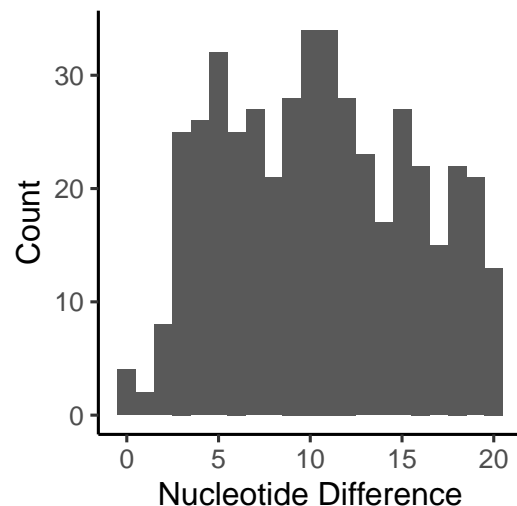
IGHV1-8*01

872 sequences assigned
11 (1.3%) exact matches, in which:
10 unique CDR3
4 unique J



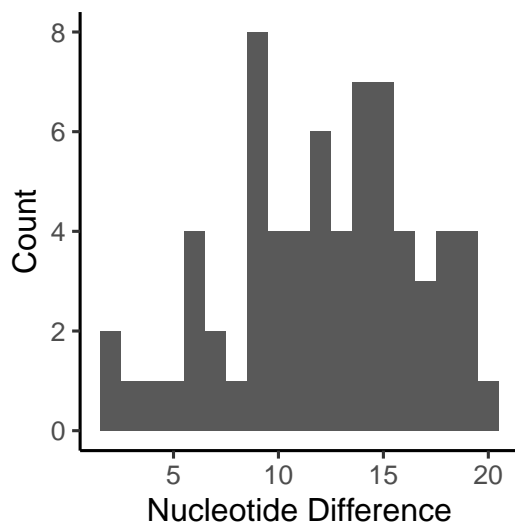
IGHV1-46*01

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



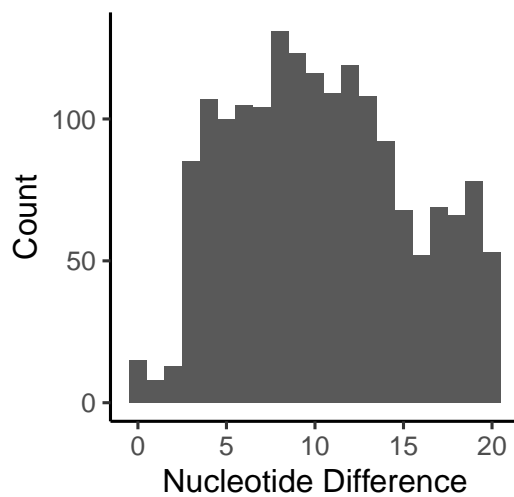
IGHV1-3*04

85 sequences assigned
No exact matches.



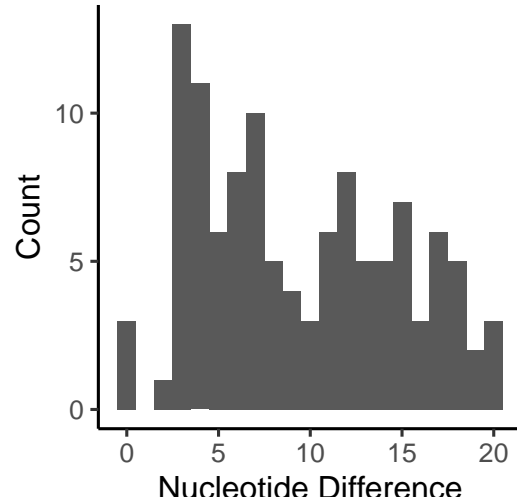
IGHV1-18*01

2152 sequences assigned
15 (0.7%) exact matches, in which:
15 unique CDR3
4 unique J



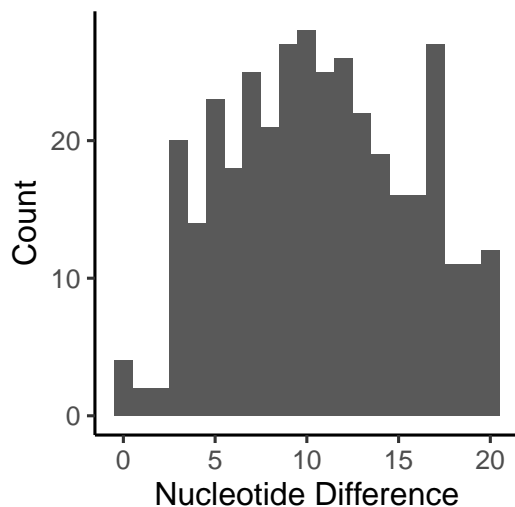
IGHV1-58*01_03

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



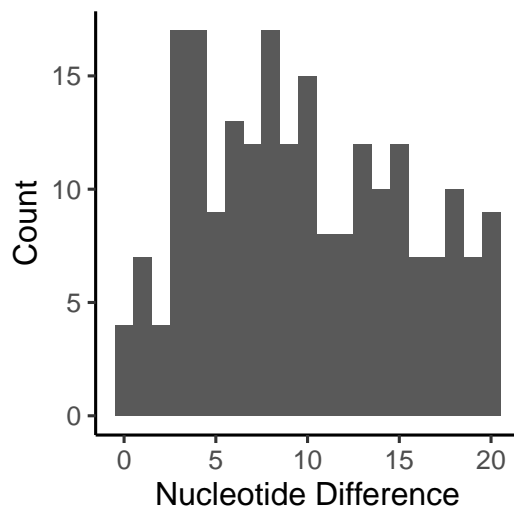
IGHV1-3*01_05

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



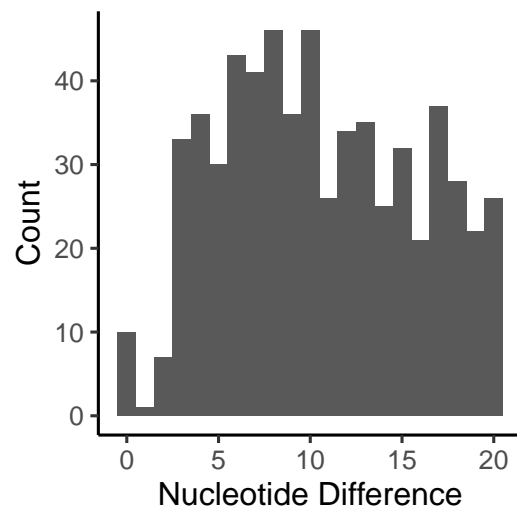
IGHV1-24*01

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



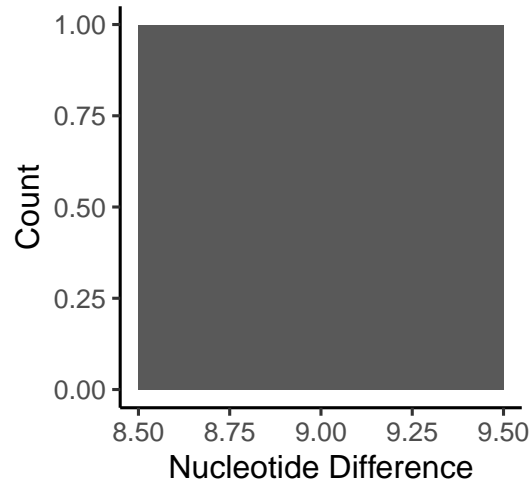
IGHV1-69*01_12_13

831 sequences assigned
10 (1.2%) exact matches, in which:
10 unique CDR3
3 unique J



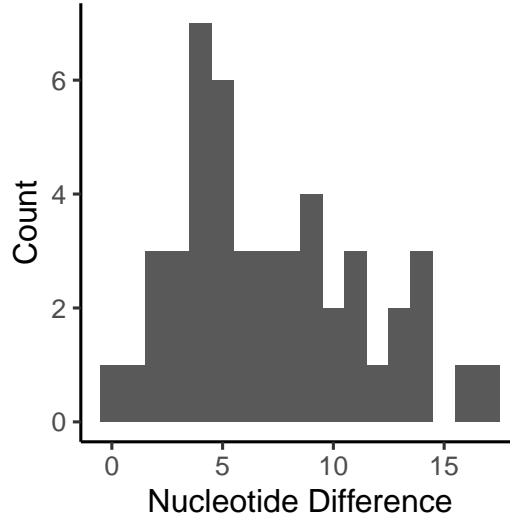
IGHV1–NL1*01

1 sequences assigned
No exact matches.



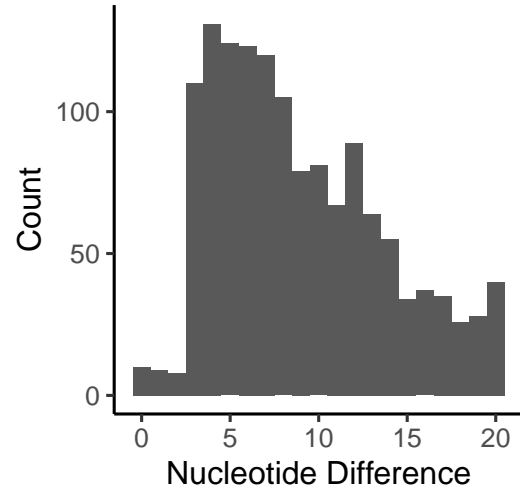
IGHV2–26*01

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



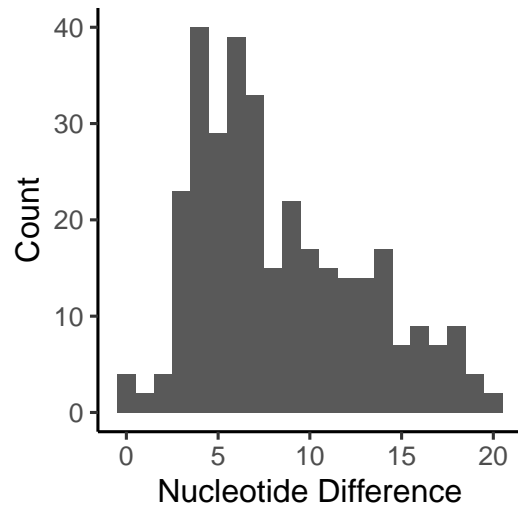
IGHV3–9*01

1573 sequences assigned
10 (0.6%) exact matches, in which:
7 unique CDR3
3 unique J



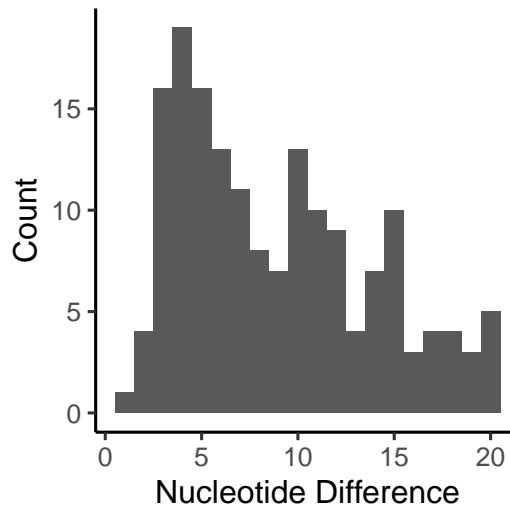
IGHV2–5*01

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



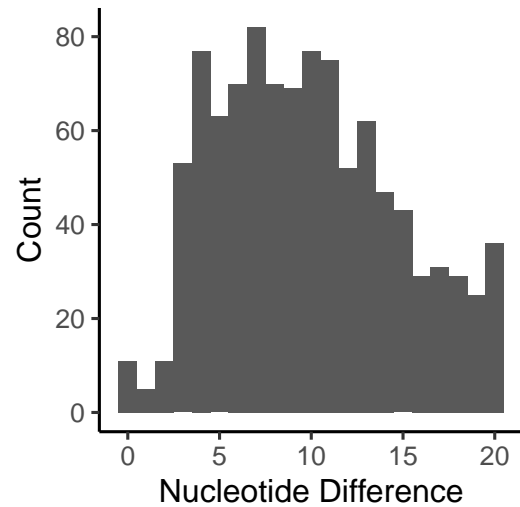
IGHV2–70*01

180 sequences assigned
No exact matches.



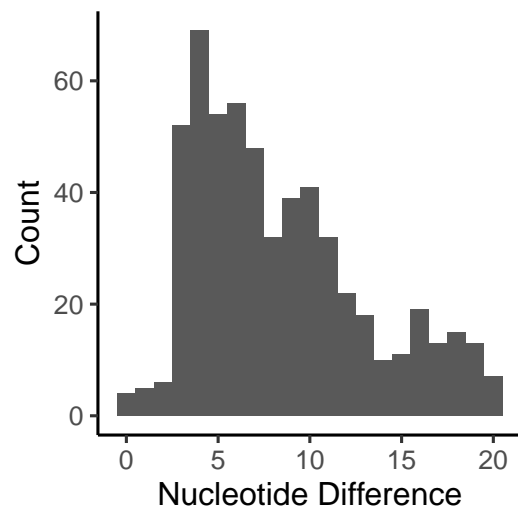
IGHV3–11*01

1213 sequences assigned
11 (0.9%) exact matches, in which:
10 unique CDR3
5 unique J



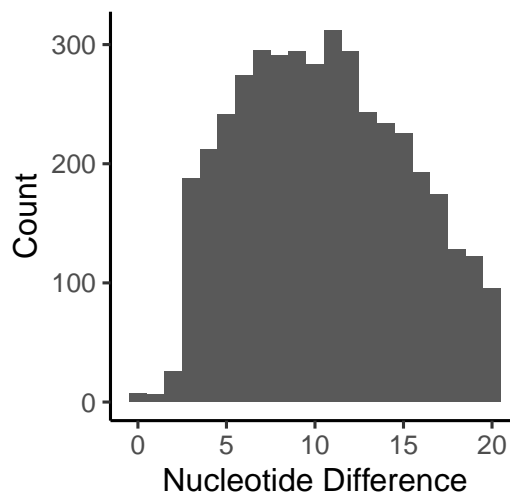
IGHV2–5*02

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



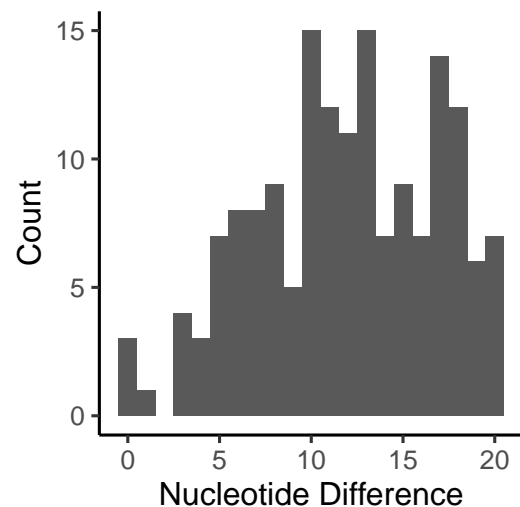
IGHV3–7*01

4605 sequences assigned
7 (0.2%) exact matches, in which:
4 unique CDR3
2 unique J



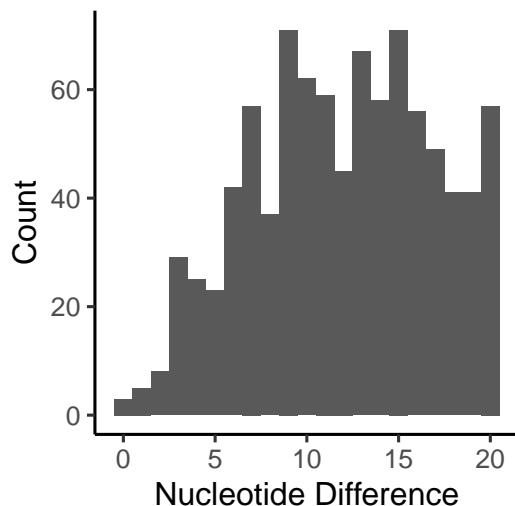
IGHV3–13*01

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



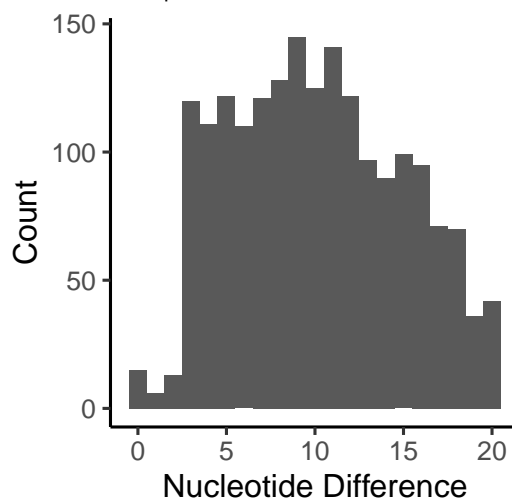
IGHV3-15*01_02

1191 sequences assigned
3 (0.3%) exact matches, in which:
3 unique CDR3
3 unique J



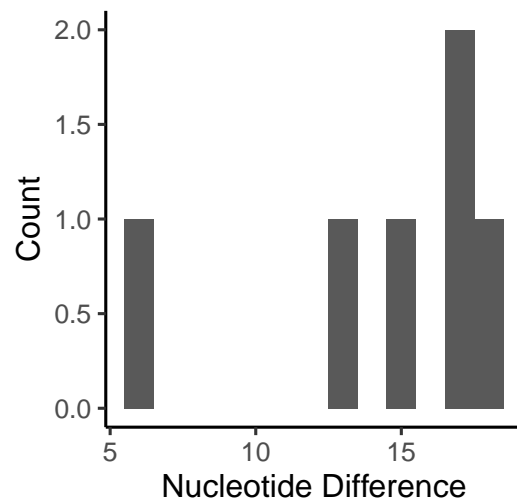
IGHV3-21*01_02

2156 sequences assigned
15 (0.7%) exact matches, in which:
10 unique CDR3
4 unique J



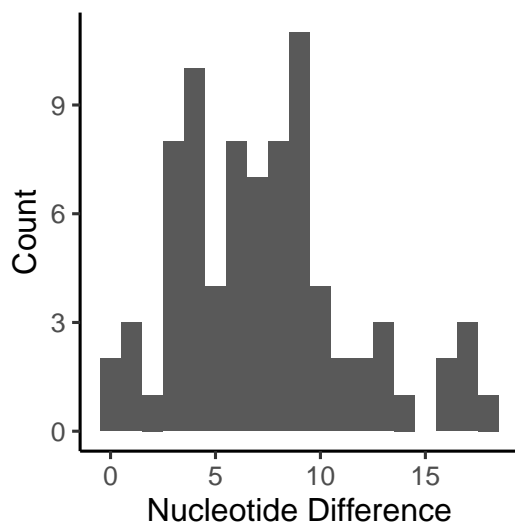
IGHV3-30-3*03

15 sequences assigned
No exact matches.



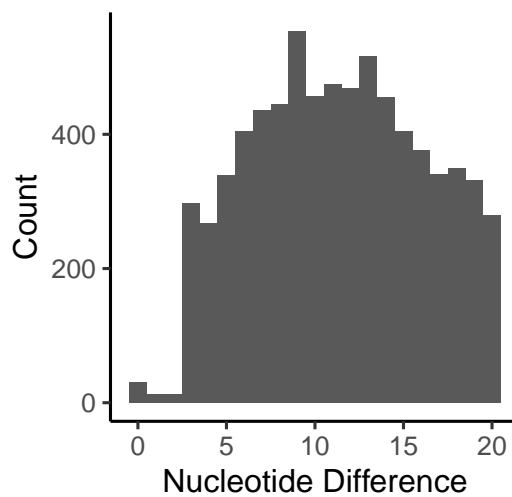
IGHV3-20*01_02

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



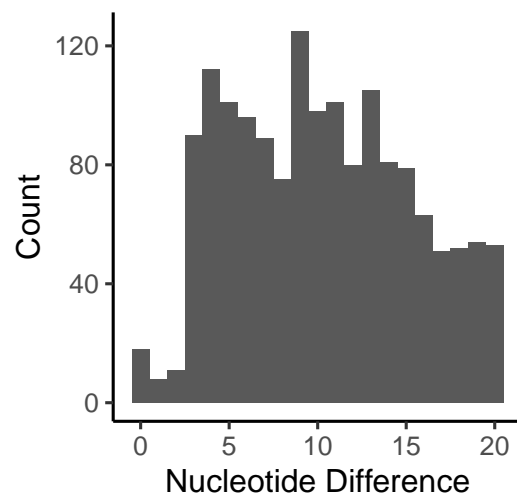
IGHV3-23*01_04

8995 sequences assigned
31 (0.3%) exact matches, in which:
22 unique CDR3
5 unique J



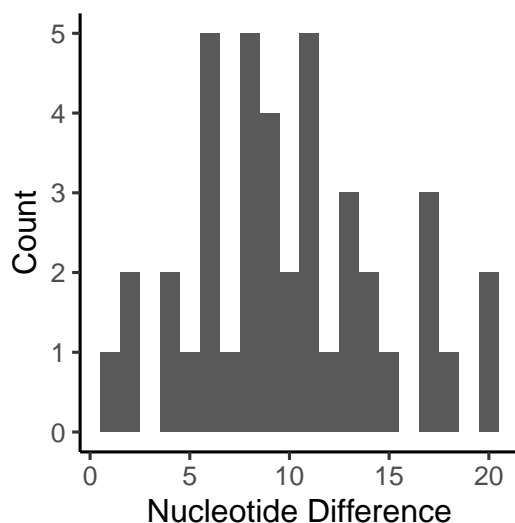
IGHV3-33*01

1836 sequences assigned
18 (1%) exact matches, in which:
12 unique CDR3
3 unique J



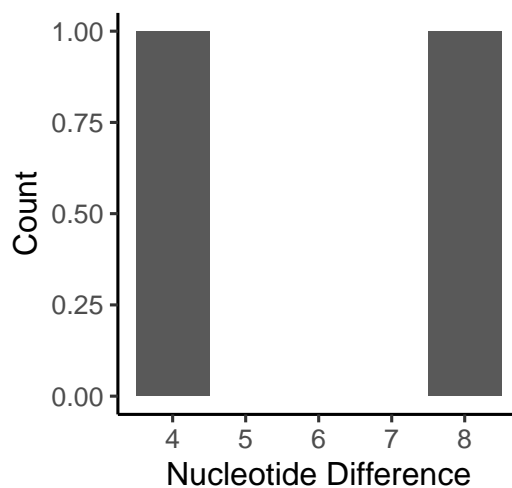
IGHV3-20*03_04

49 sequences assigned
No exact matches.



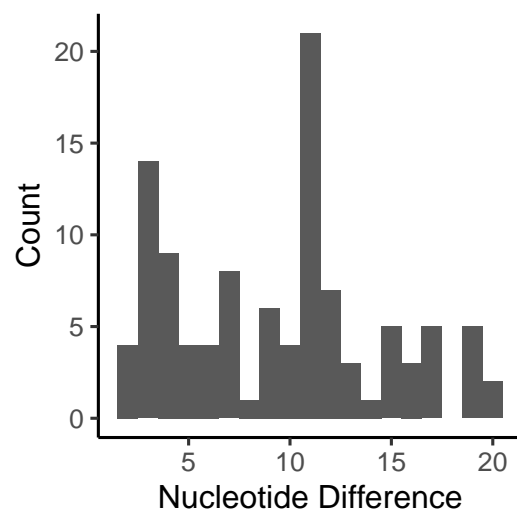
IGHV3-30-3*01

2 sequences assigned
No exact matches.



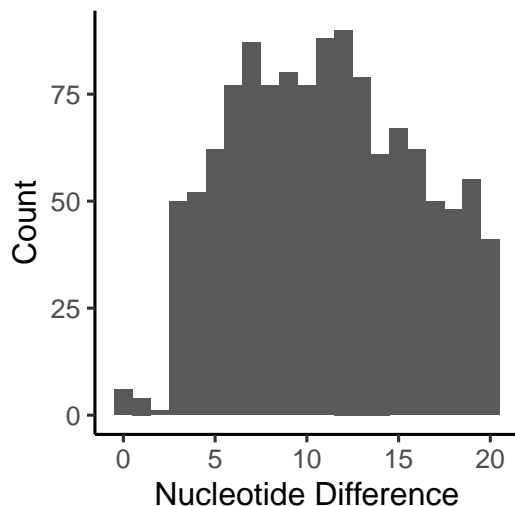
IGHV3-43*01

136 sequences assigned
No exact matches.



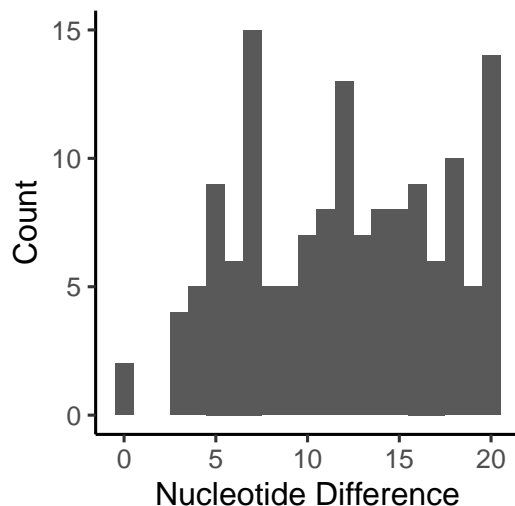
IGHV3-48*02

1507 sequences assigned
6 (0.4%) exact matches, in which:
5 unique CDR3
2 unique J



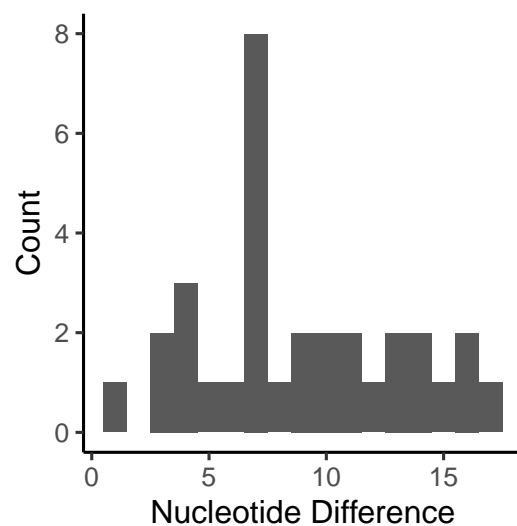
IGHV3-49*03_05

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



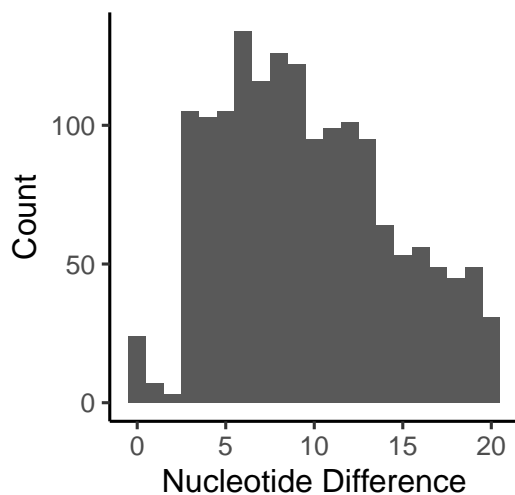
IGHV3-64*02_07

37 sequences assigned
No exact matches.



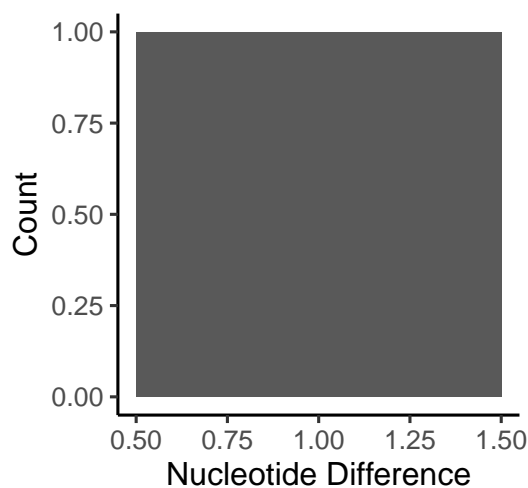
IGHV3-48*03

1834 sequences assigned
24 (1.3%) exact matches, in which:
13 unique CDR3
4 unique J



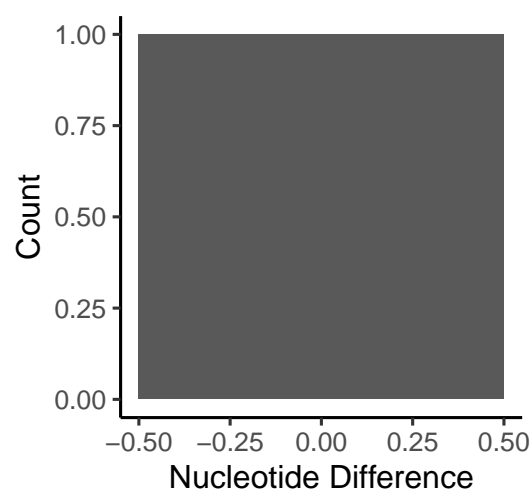
IGHV3-52*01_03

1 sequences assigned
No exact matches.



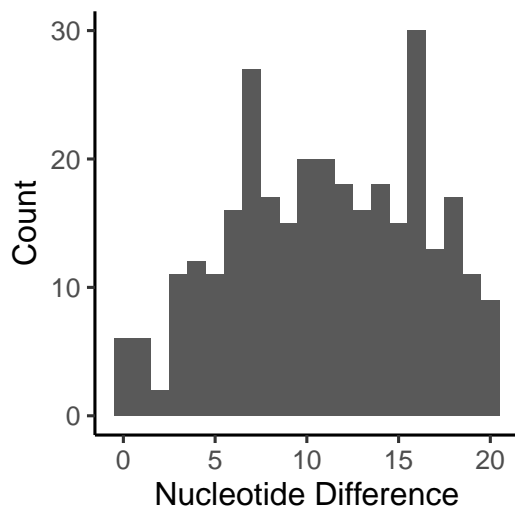
IGHV3-66*01

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



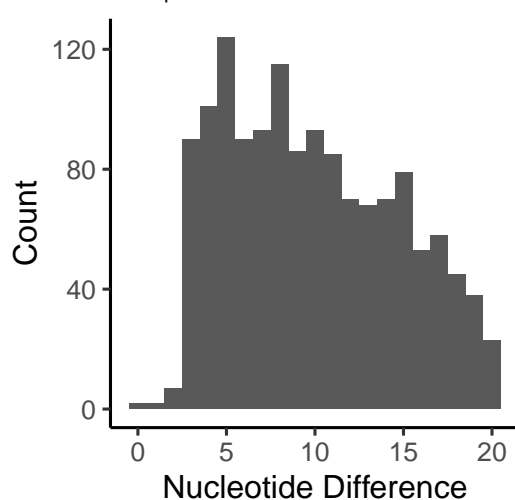
IGHV3-49*04

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



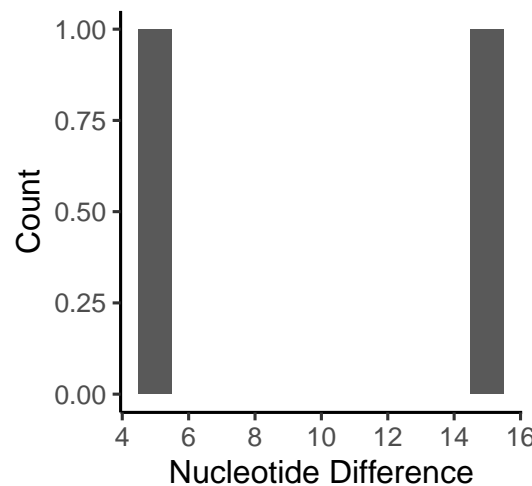
IGHV3-53*01_02

1632 sequences assigned
2 (0.1%) exact matches, in which:
2 unique CDR3
2 unique J



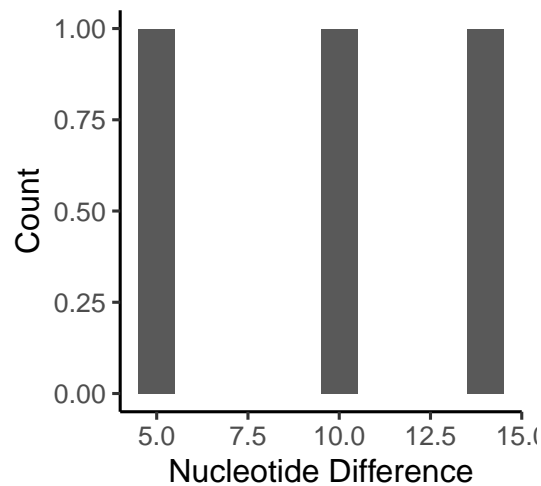
IGHV3-66*02

2 sequences assigned
No exact matches.



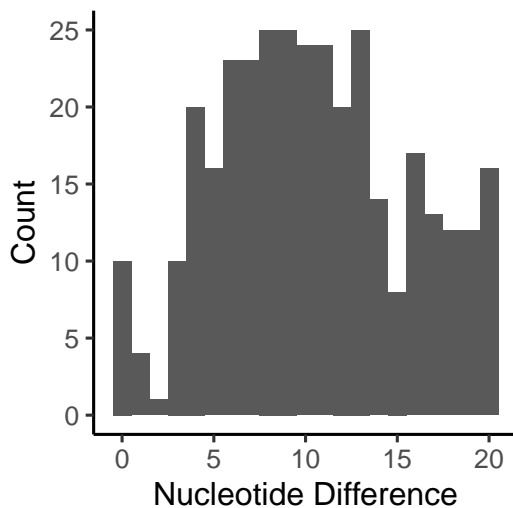
IGHV3-66*04

6 sequences assigned
No exact matches.



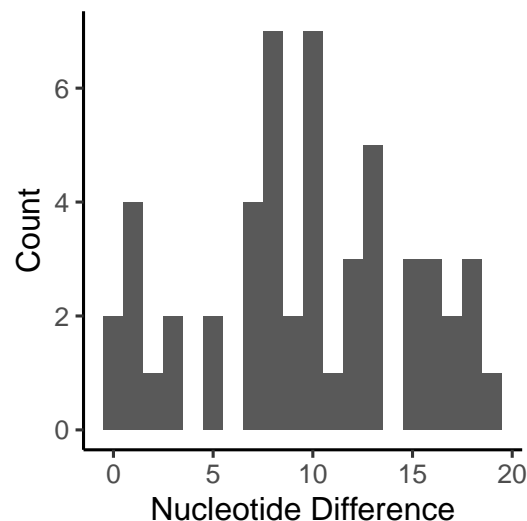
IGHV3-73*01_02

410 sequences assigned
10 (2.4%) exact matches, in which:
5 unique CDR3
3 unique J



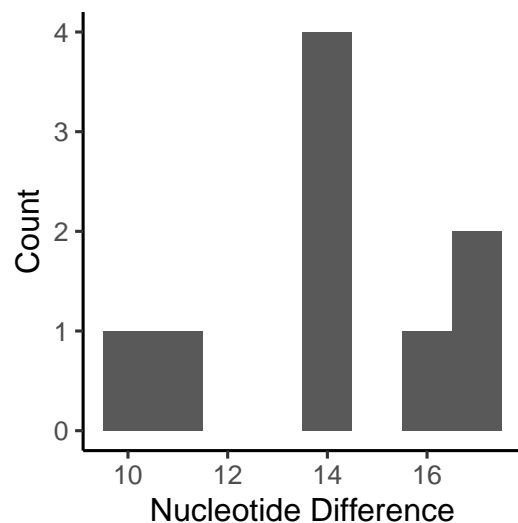
IGHV3-43D*04

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



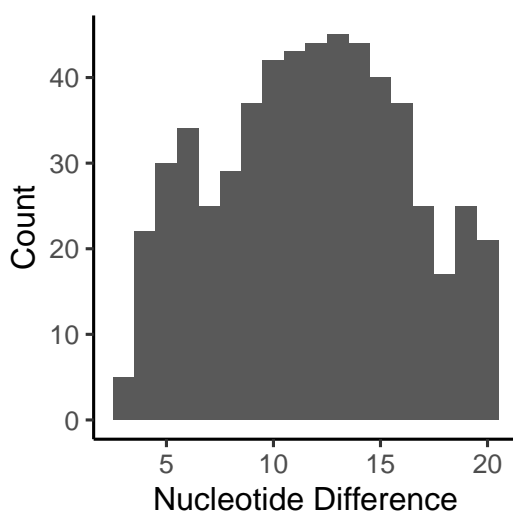
IGHV3-69-1*01

15 sequences assigned
No exact matches.



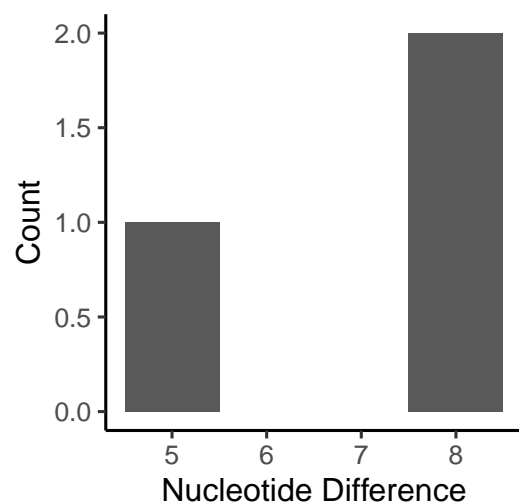
IGHV3-74*03

697 sequences assigned
No exact matches.



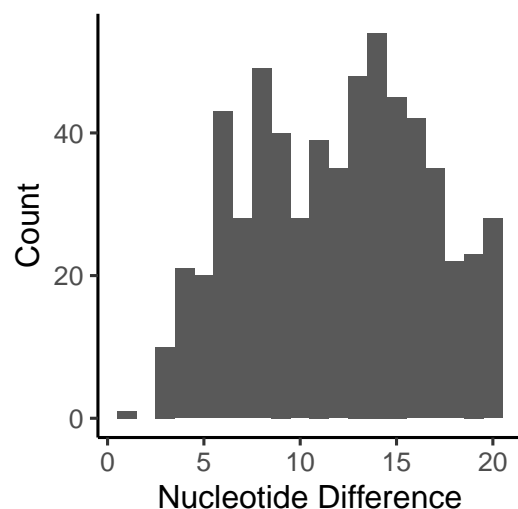
IGHV3-64D*06

3 sequences assigned
No exact matches.



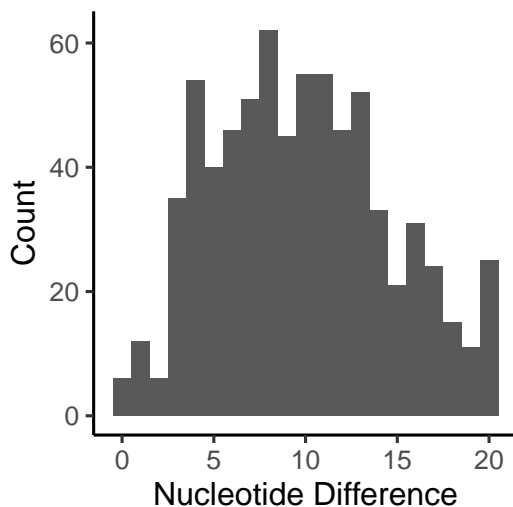
IGHV3-72*01

736 sequences assigned
No exact matches.



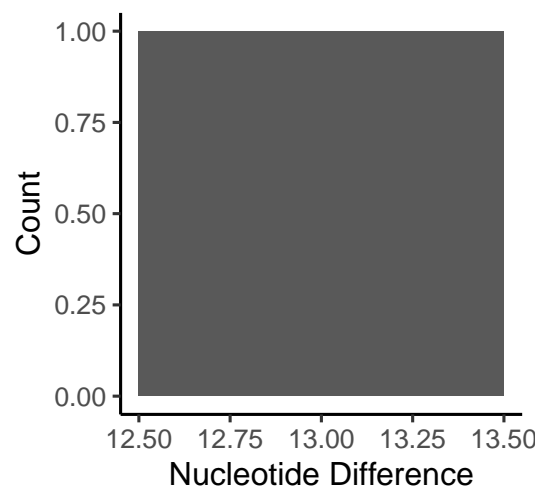
IGHV3-74*01_02

832 sequences assigned
6 (0.7%) exact matches, in which:
6 unique CDR3
5 unique J



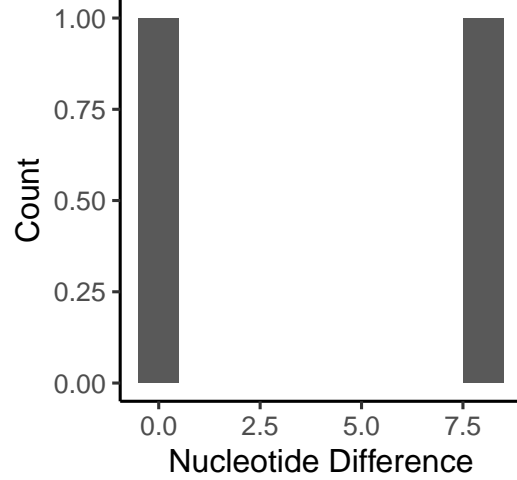
IGHV3-64D*08

1 sequences assigned
No exact matches.



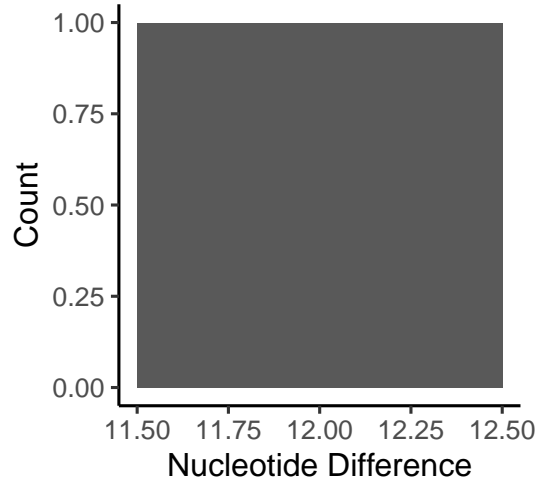
IGHV3-64D*09

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



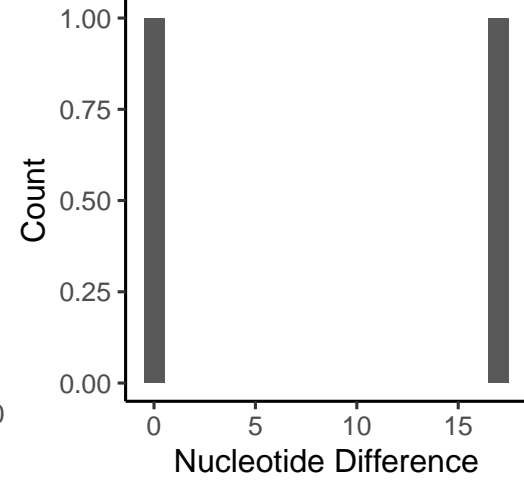
IGHV4-28*03

1 sequences assigned
No exact matches.



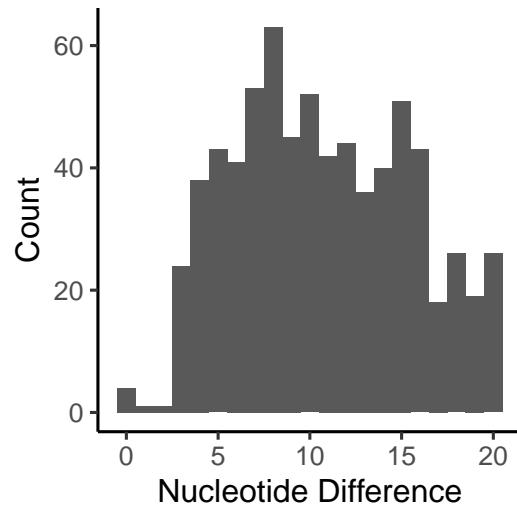
IGHV4-30-2*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



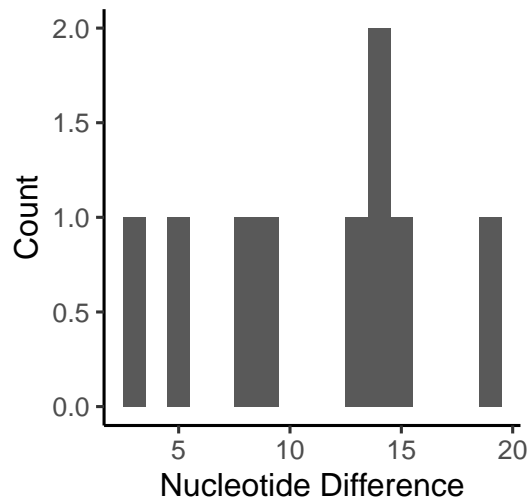
IGHV4-4*07

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



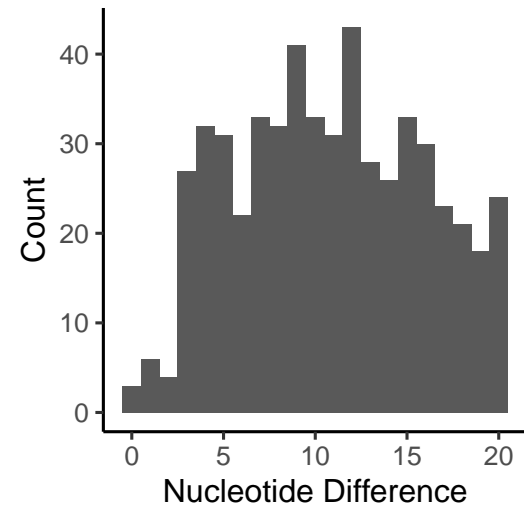
IGHV4-28*01_07

9 sequences assigned
No exact matches.



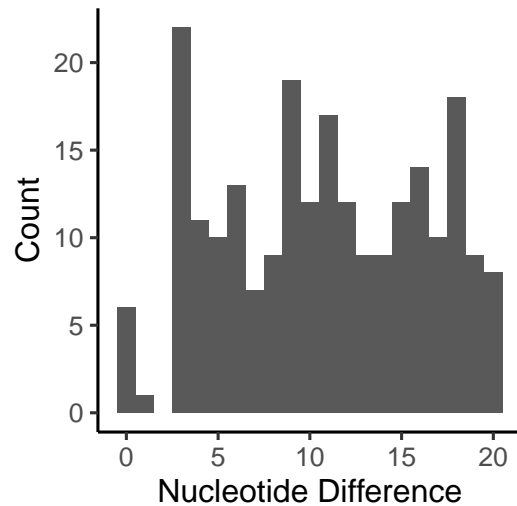
IGHV4-31*02

672 sequences assigned
3 (0.4%) exact matches, in which:
3 unique CDR3
2 unique J



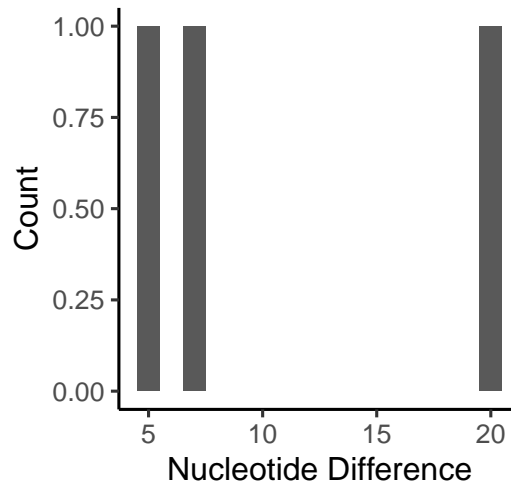
IGHV4-4*02_03

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



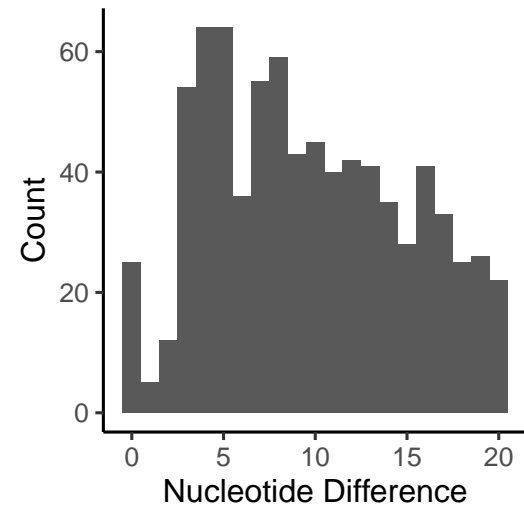
IGHV4-28*02_05

3 sequences assigned
No exact matches.



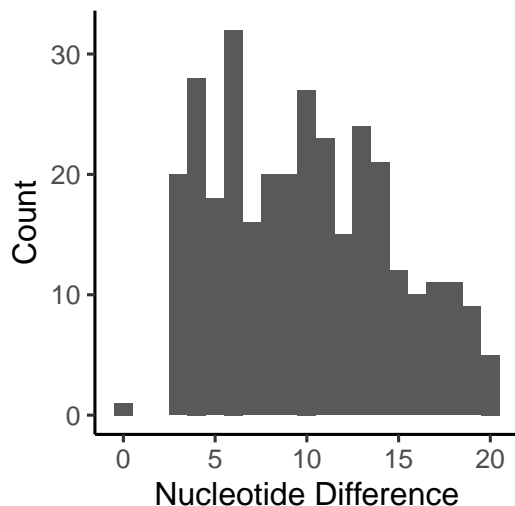
IGHV4-34*01_02

1003 sequences assigned
25 (2.5%) exact matches, in which:
22 unique CDR3
5 unique J



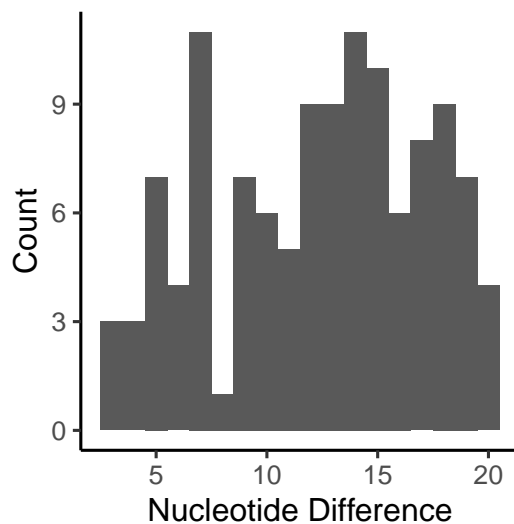
IGHV4-38-2*01

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



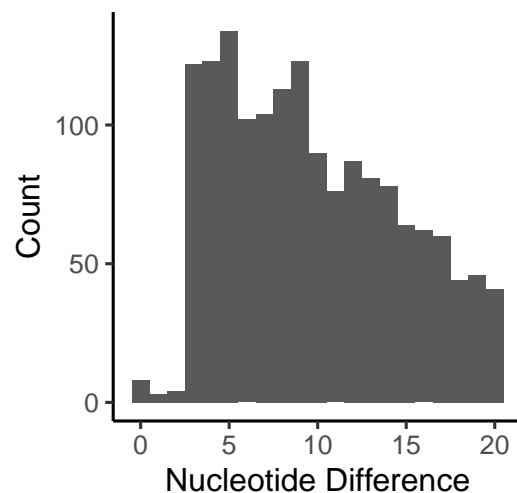
IGHV4-39*01_05

174 sequences assigned
No exact matches.



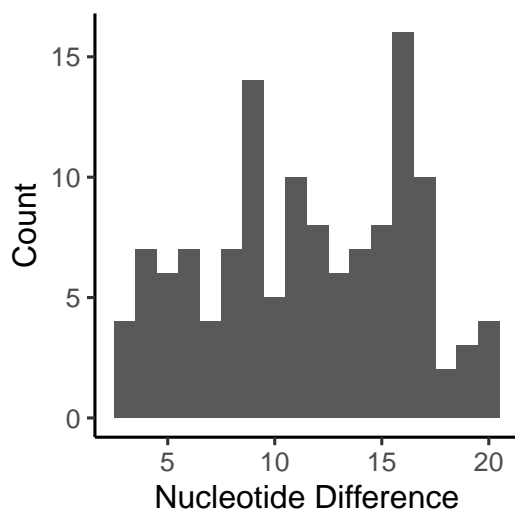
IGHV4-59*01_07

1820 sequences assigned
8 (0.4%) exact matches, in which:
7 unique CDR3
4 unique J



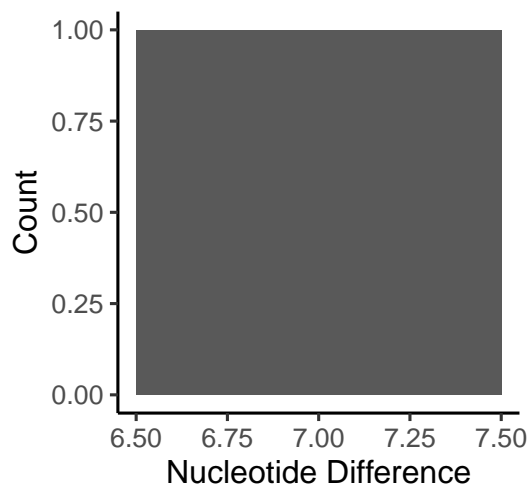
IGHV4-38-2*02

169 sequences assigned
No exact matches.



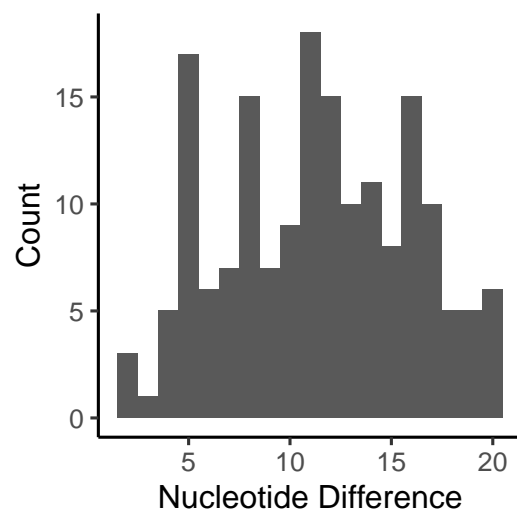
IGHV4-55*09

1 sequences assigned
No exact matches.



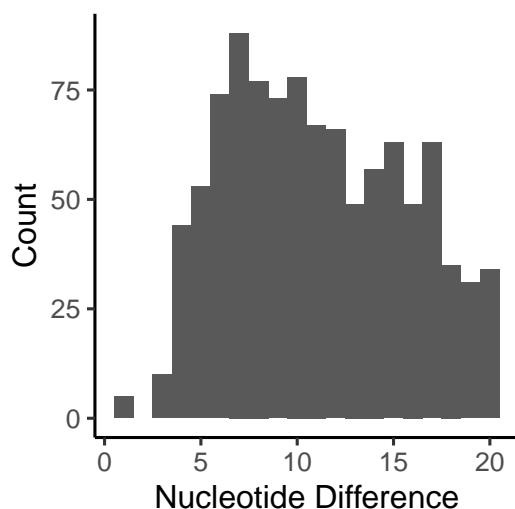
IGHV4-59*11

216 sequences assigned
No exact matches.



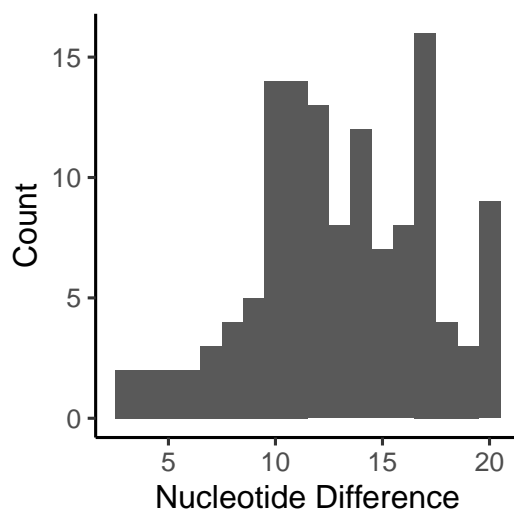
IGHV4-39*02

1315 sequences assigned
No exact matches.



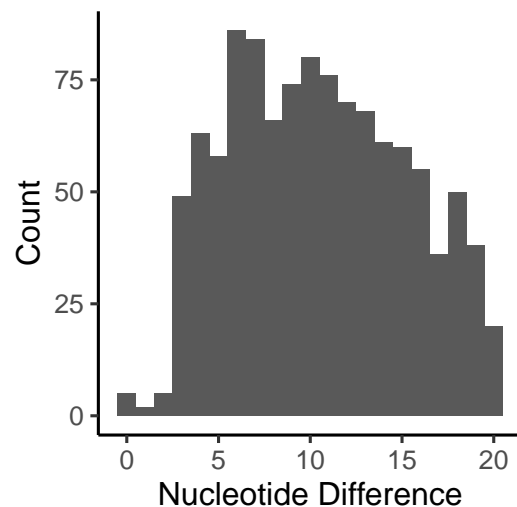
IGHV4-59*02

204 sequences assigned
No exact matches.



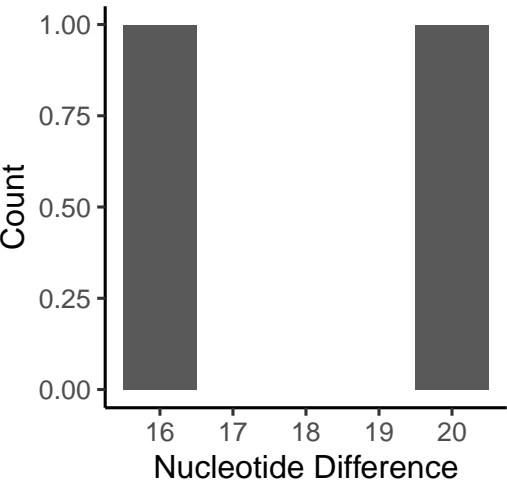
IGHV4-61*01

1265 sequences assigned
5 (0.4%) exact matches, in which:
3 unique CDR3
2 unique J



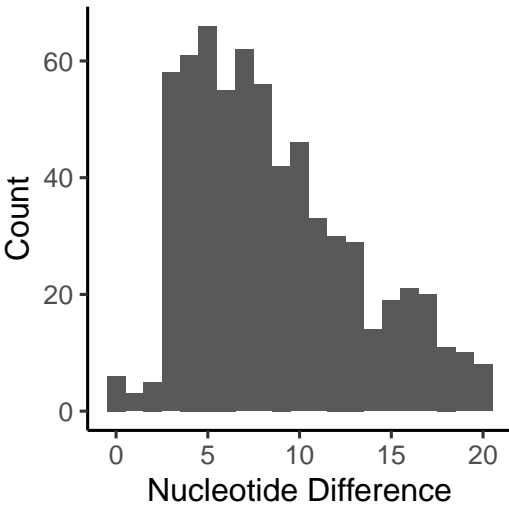
IGHV4/OR15-8*01

3 sequences assigned
No exact matches.



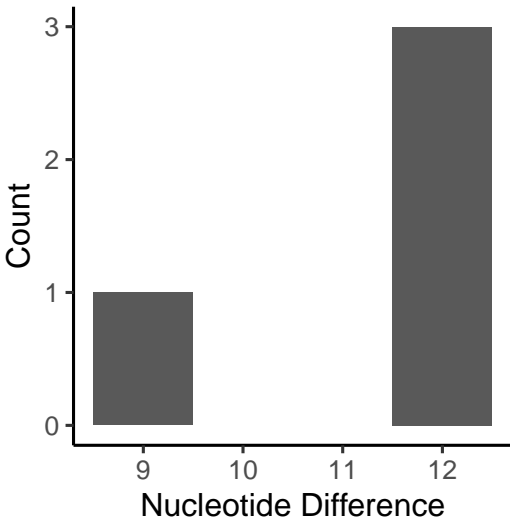
IGHV5-51*01_03

708 sequences assigned
6 (0.8%) exact matches, in which:
6 unique CDR3
4 unique J



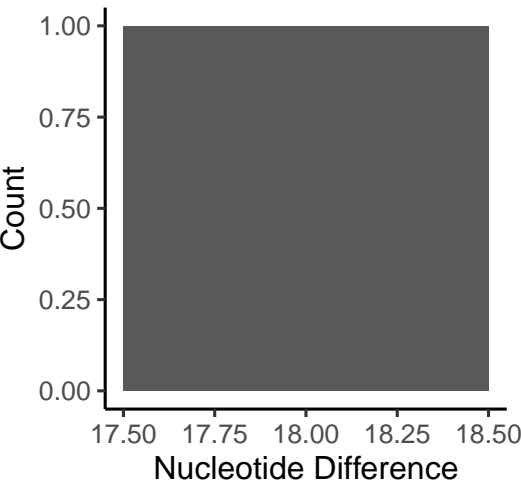
IGHV7-4-1*02

4 sequences assigned
No exact matches.



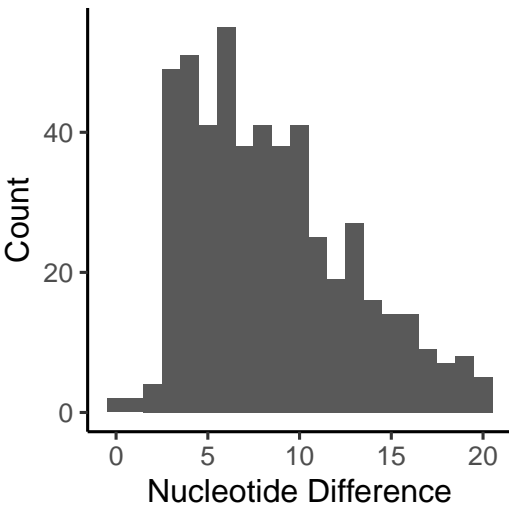
IGHV4/OR15-8*02

2 sequences assigned
No exact matches.



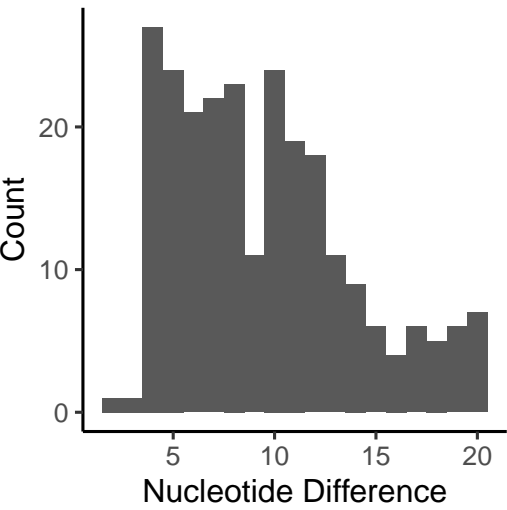
IGHV6-1*01_02

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



IGHV5-51*07

258 sequences assigned
No exact matches.



IGHV7-4-1*01

1 sequences assigned
No exact matches.

