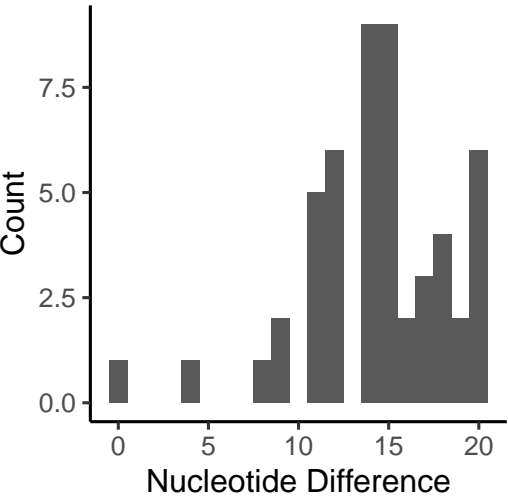


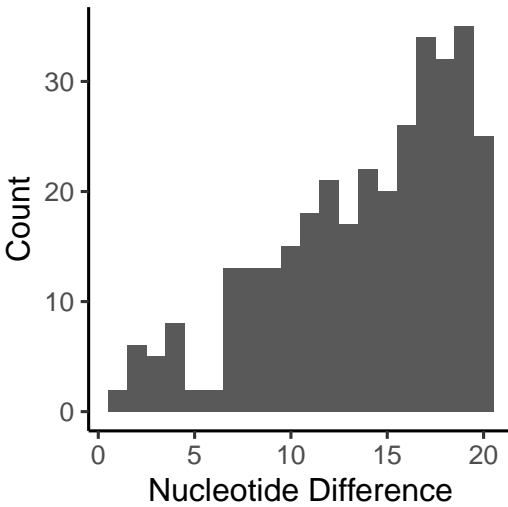
IGHV1-2*02

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



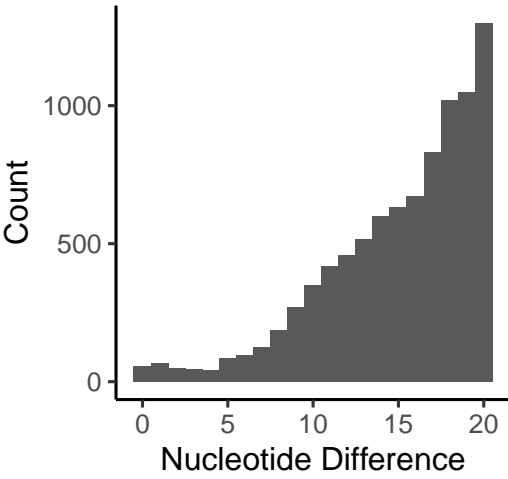
IGHV1-3*01_05

652 sequences assigned
No exact matches.



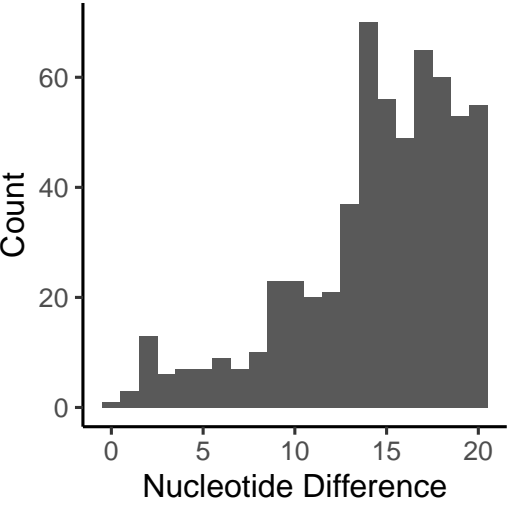
IGHV1-18*01

17976 sequences assigned
57 (0.3%) exact matches, in which:
38 unique CDR3
3 unique J



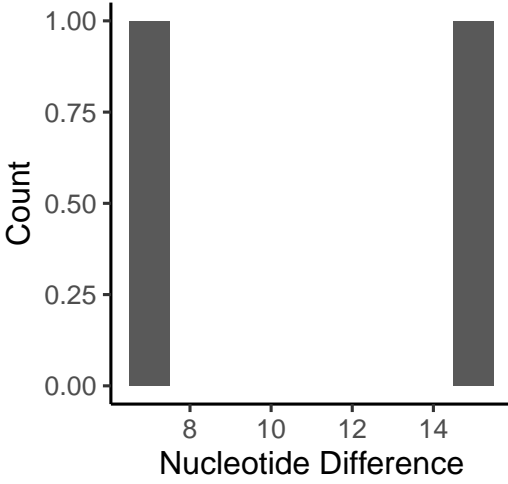
IGHV1-2*04

887 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



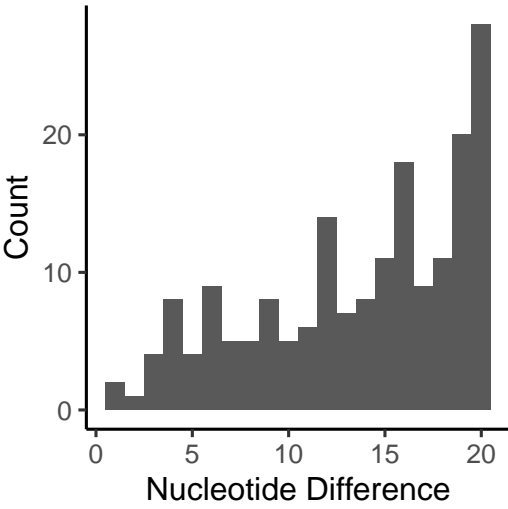
IGHV1-8*01

2 sequences assigned
No exact matches.



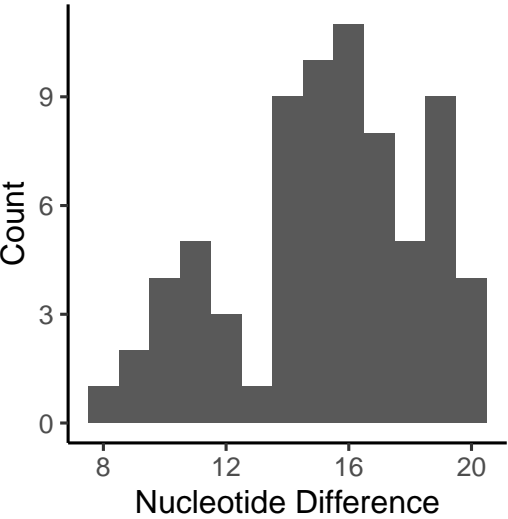
IGHV1-24*01

288 sequences assigned
No exact matches.



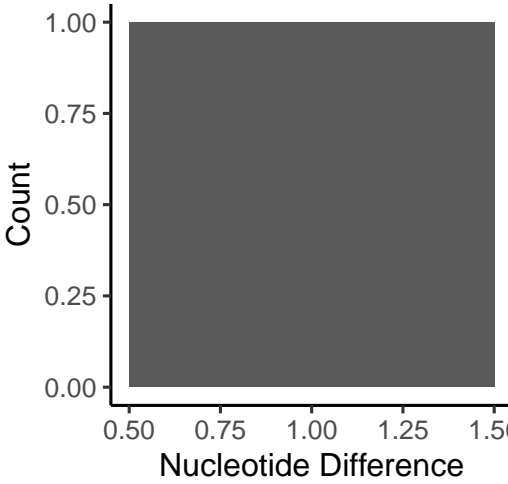
IGHV1-3*04

179 sequences assigned
No exact matches.



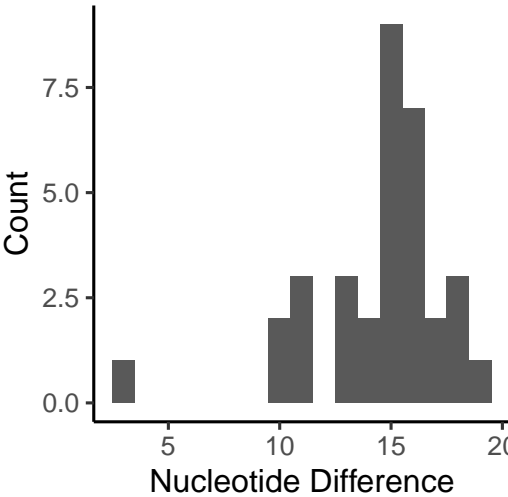
IGHV1-8*03

1 sequences assigned
No exact matches.



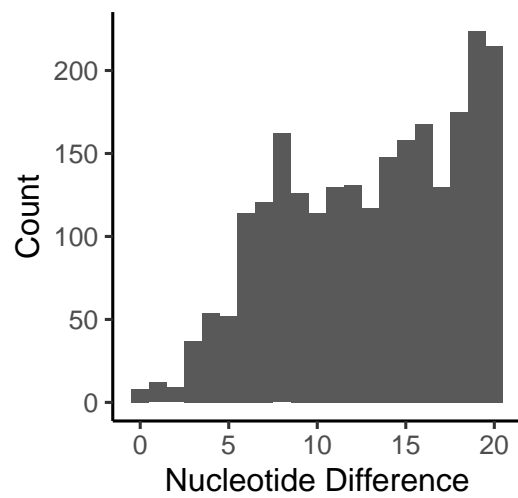
IGHV1-45*02

85 sequences assigned
No exact matches.



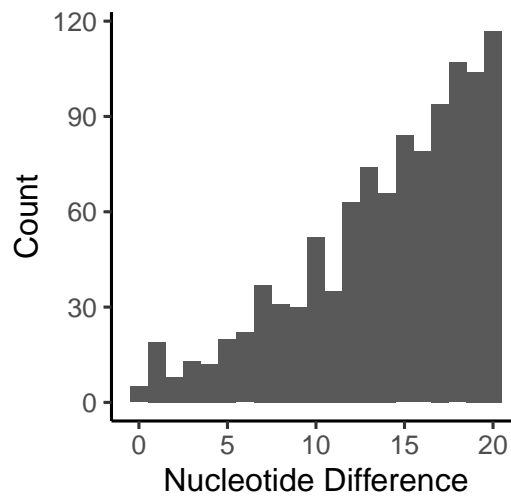
IGHV1-46*01

4173 sequences assigned
8 (0.2%) exact matches, in which:
6 unique CDR3
3 unique J



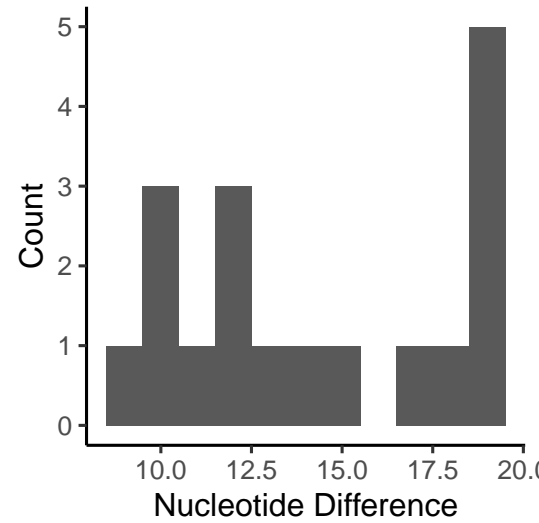
IGHV1-69*04_09

3033 sequences assigned
5 (0.2%) exact matches, in which:
4 unique CDR3
2 unique J



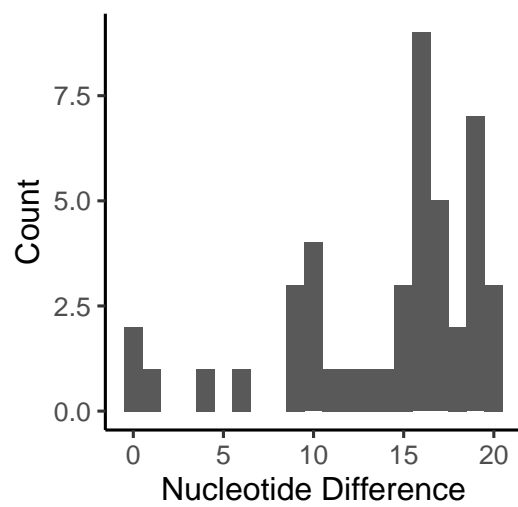
IGHV2-26*01

30 sequences assigned
No exact matches.



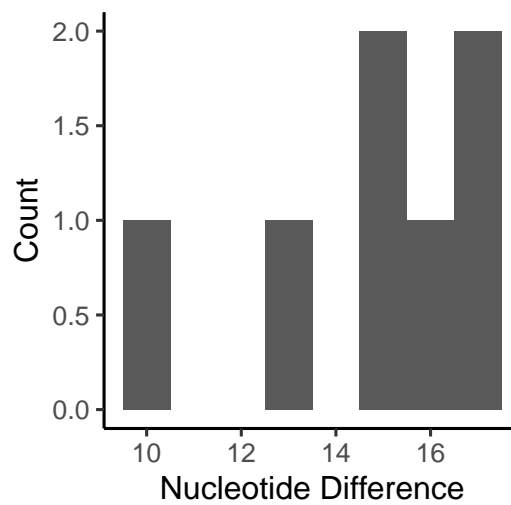
IGHV1-58*02

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



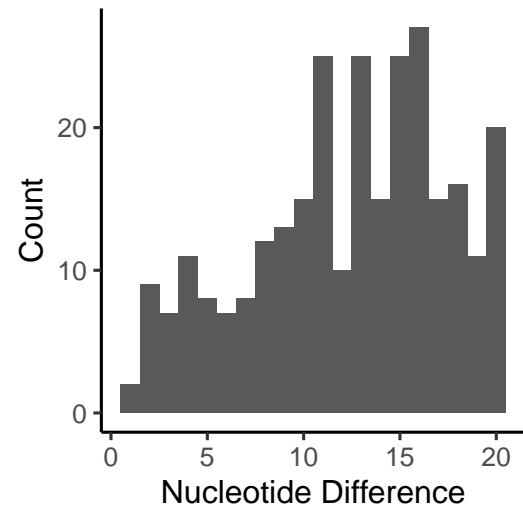
IGHV1-69D*01

52 sequences assigned
No exact matches.



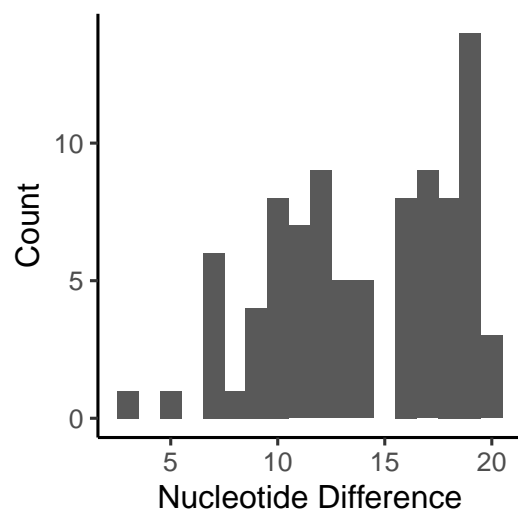
IGHV2-70*11_15

395 sequences assigned
No exact matches.



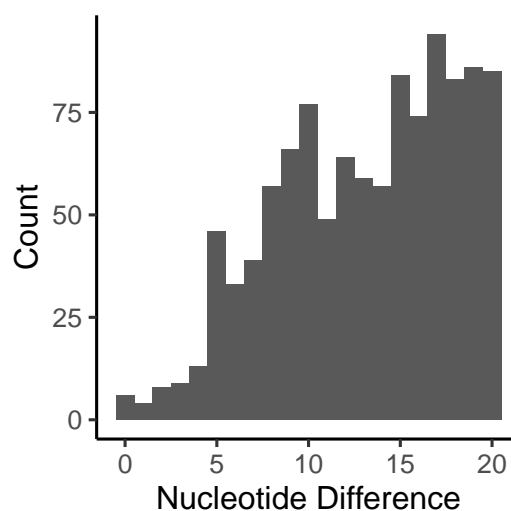
IGHV1-58*01_03

160 sequences assigned
No exact matches.



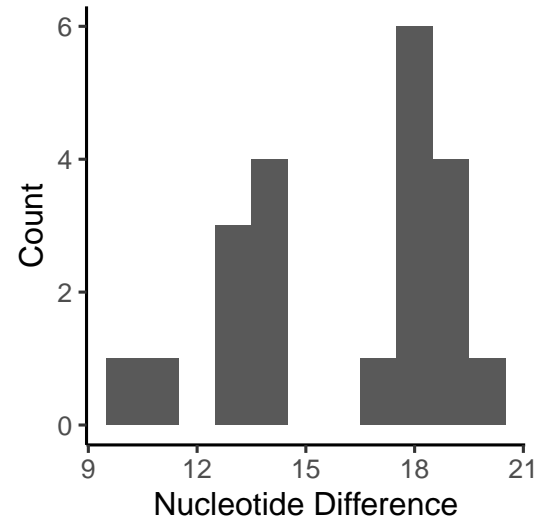
IGHV2-5*02

1568 sequences assigned
6 (0.4%) exact matches, in which:
5 unique CDR3
2 unique J



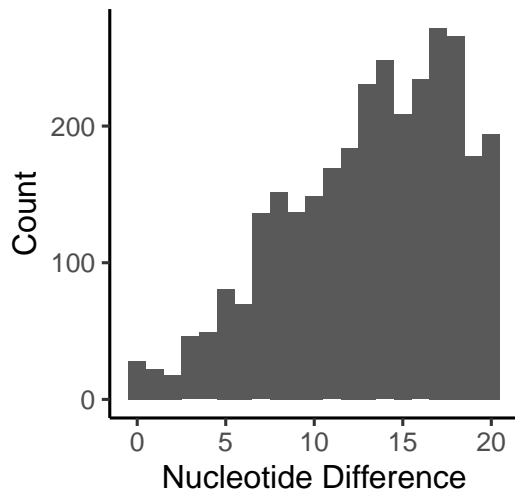
IGHV2-70D*04

30 sequences assigned
No exact matches.



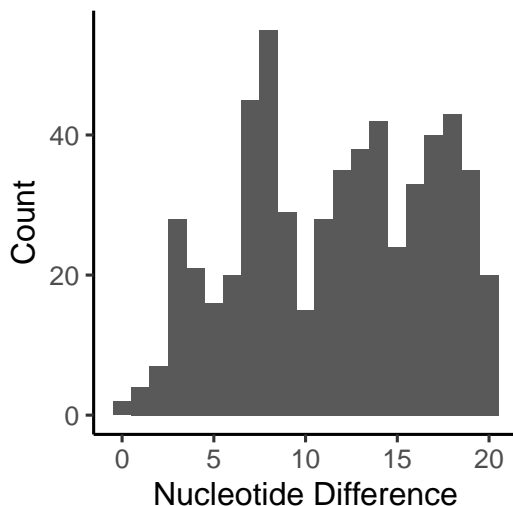
IGHV3-7*03

4736 sequences assigned
28 (0.6%) exact matches, in which:
21 unique CDR3
2 unique J



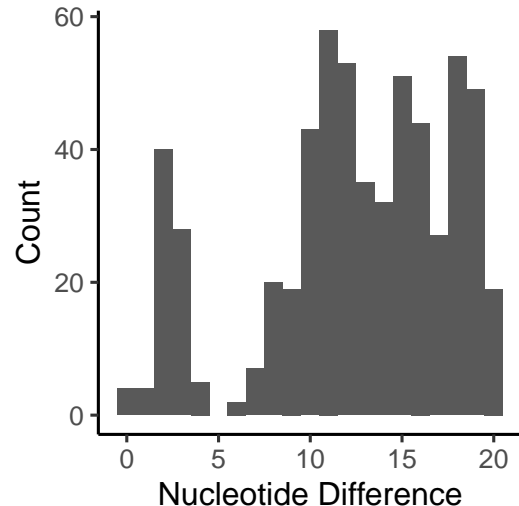
IGHV3-11*06

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



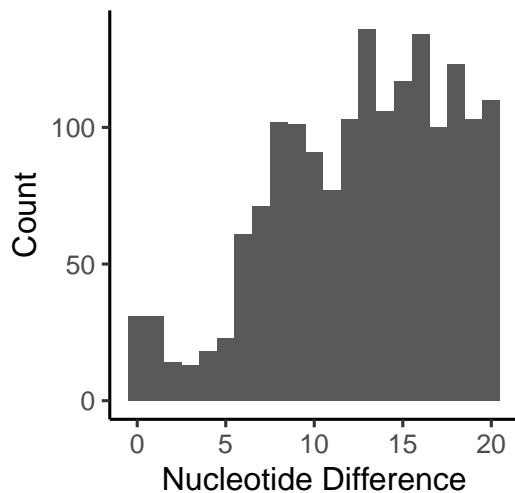
IGHV3-13*04

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



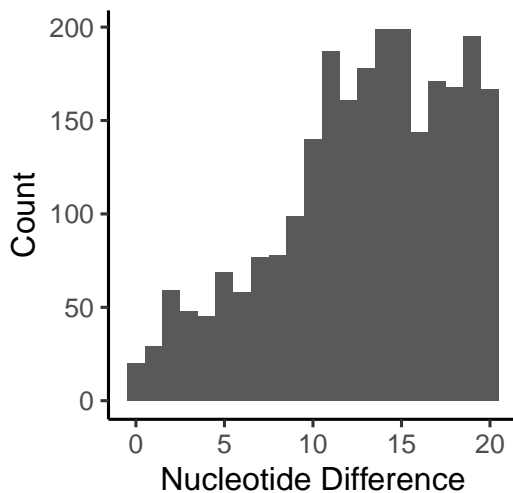
IGHV3-7*04

2813 sequences assigned
31 (1.1%) exact matches, in which:
22 unique CDR3
3 unique J



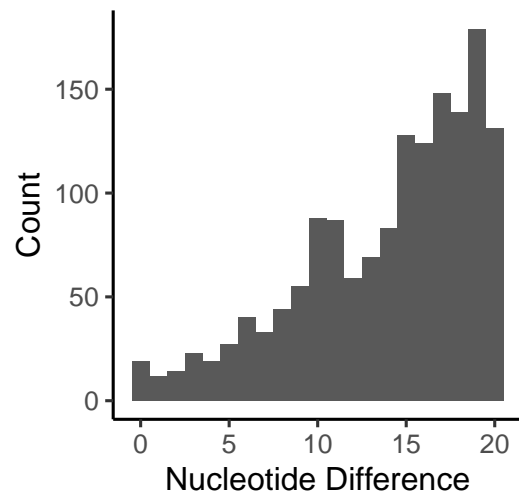
IGHV3-11*03_05

4878 sequences assigned
20 (0.4%) exact matches, in which:
17 unique CDR3
3 unique J



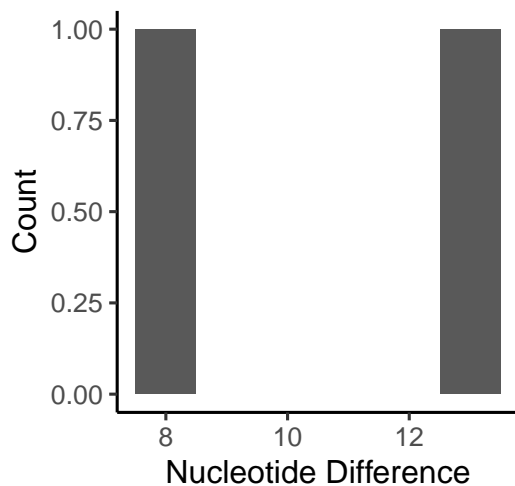
IGHV3-15*07

2611 sequences assigned
19 (0.7%) exact matches, in which:
18 unique CDR3
3 unique J



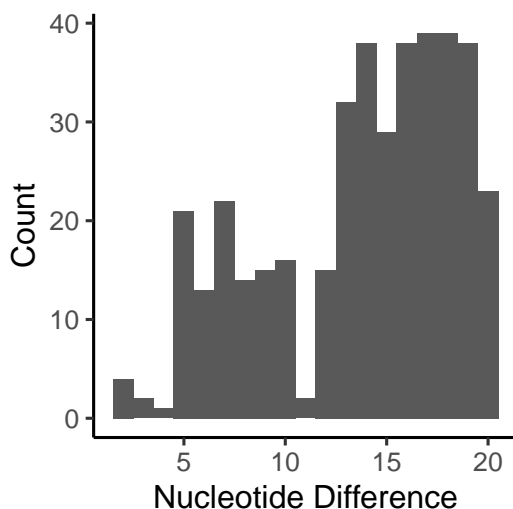
IGHV3-9*01

6 sequences assigned
No exact matches.



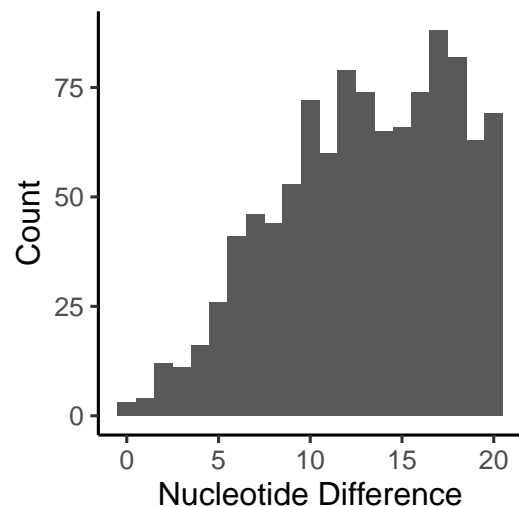
IGHV3-13*01

675 sequences assigned
No exact matches.



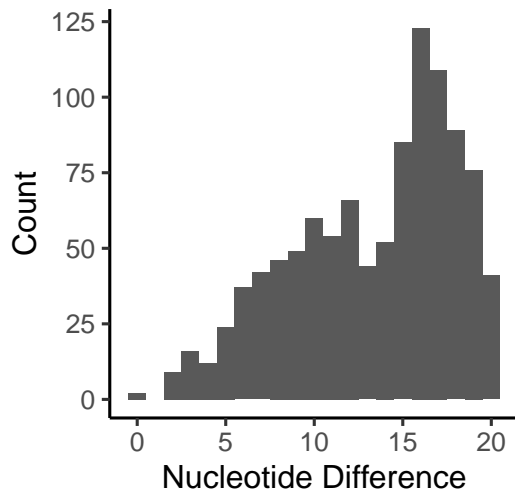
IGHV3-15*01_02

1853 sequences assigned
3 (0.2%) exact matches, in which:
3 unique CDR3
2 unique J



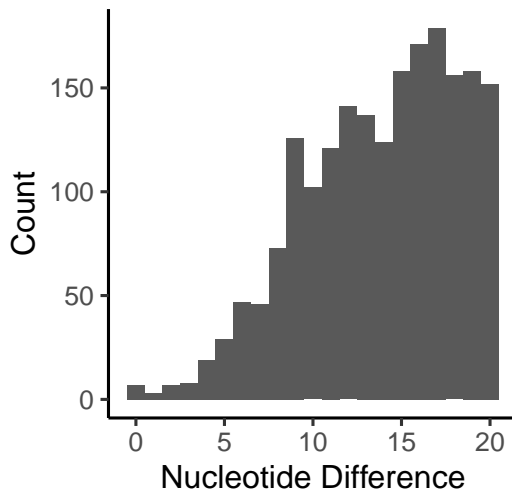
IGHV3-20*03_04

1675 sequences assigned
2 (0.1%) exact matches, in which:
2 unique CDR3
0 unique J



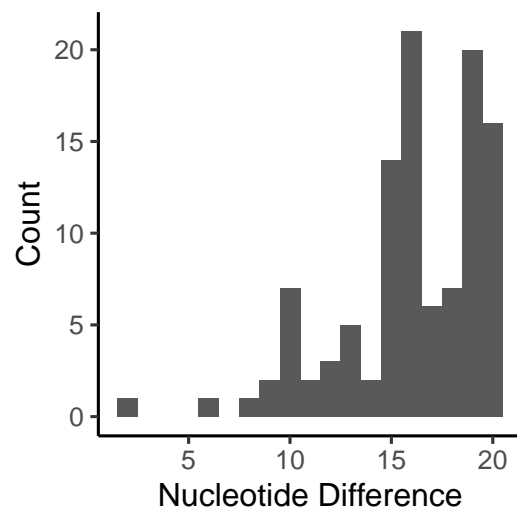
IGHV3-30-3*01

3487 sequences assigned
7 (0.2%) exact matches, in which:
7 unique CDR3
3 unique J



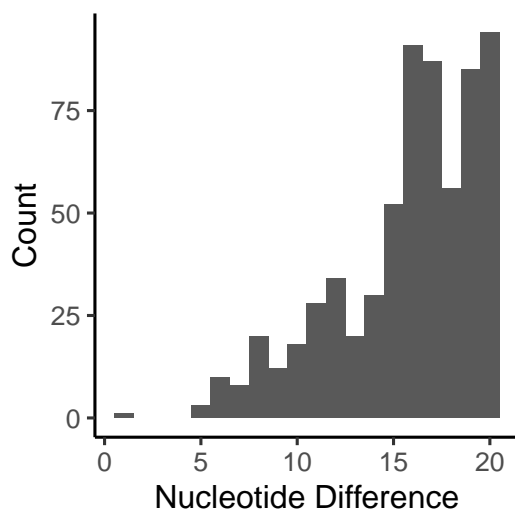
IGHV3-33*05

303 sequences assigned
No exact matches.



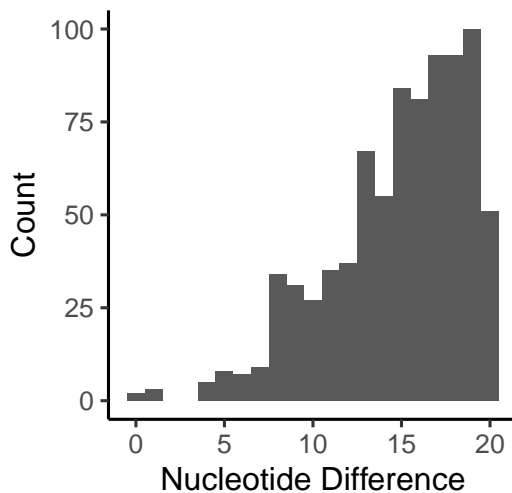
IGHV3-21*06

1627 sequences assigned
No exact matches.



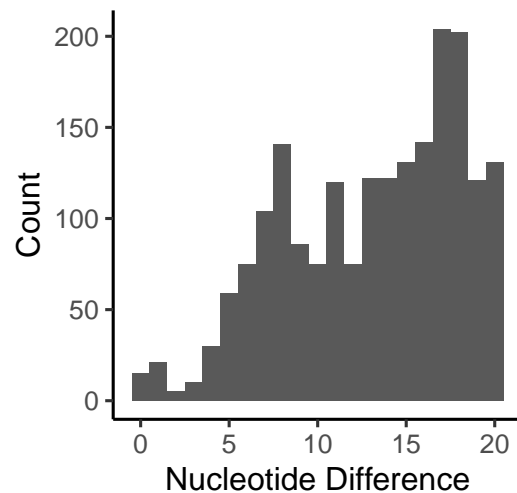
IGHV3-30*03

1827 sequences assigned
2 (0.1%) exact matches, in which:
2 unique CDR3
1 unique J



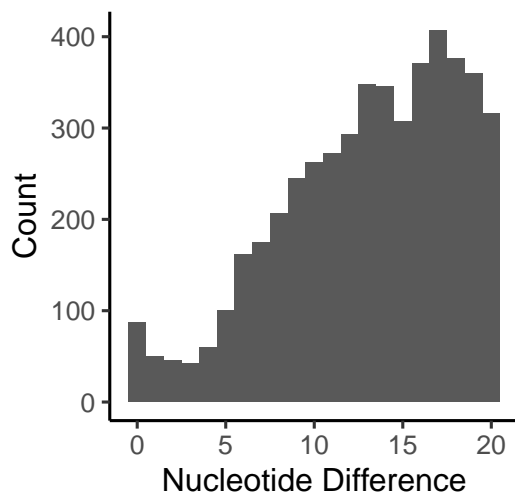
IGHV3-43*02

3337 sequences assigned
15 (0.4%) exact matches, in which:
12 unique CDR3
2 unique J



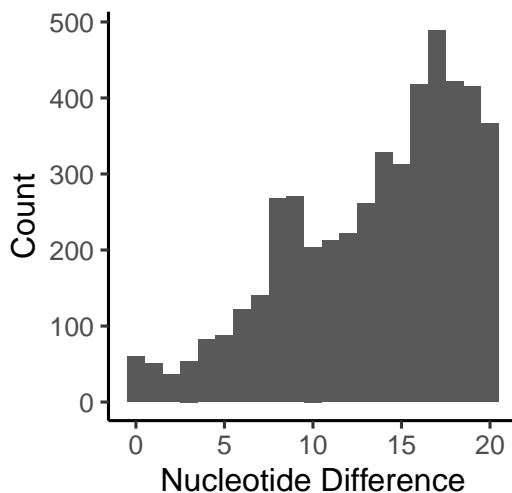
IGHV3-21*01_02

7236 sequences assigned
87 (1.2%) exact matches, in which:
71 unique CDR3
4 unique J



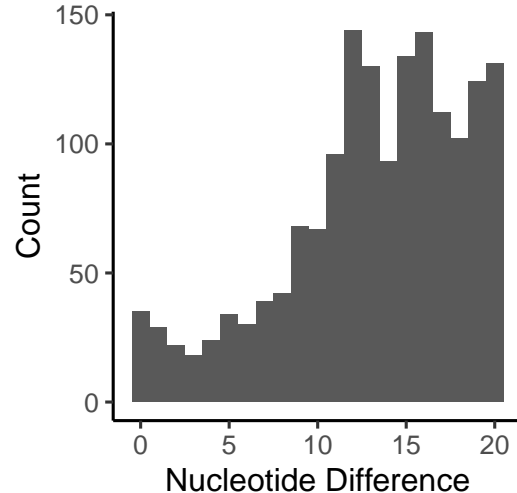
IGHV3-33*01

7786 sequences assigned
60 (0.8%) exact matches, in which:
41 unique CDR3
3 unique J



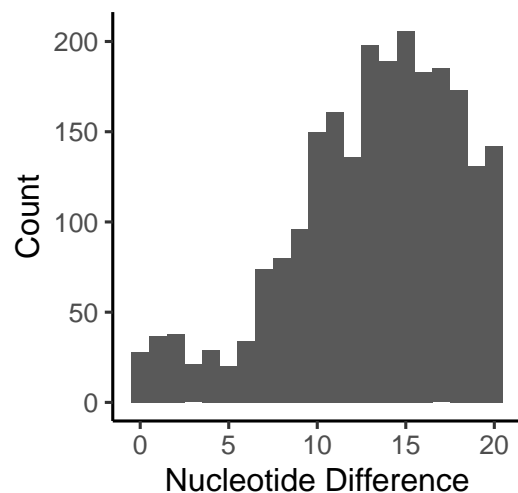
IGHV3-48*02

2587 sequences assigned
35 (1.4%) exact matches, in which:
24 unique CDR3
2 unique J



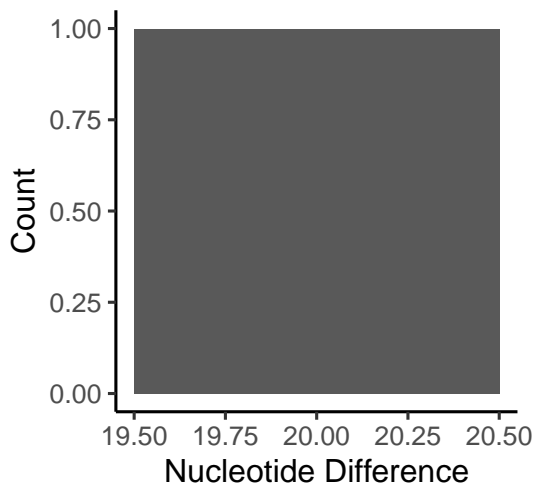
IGHV3-48*03

4153 sequences assigned
28 (0.7%) exact matches, in which:
20 unique CDR3
4 unique J



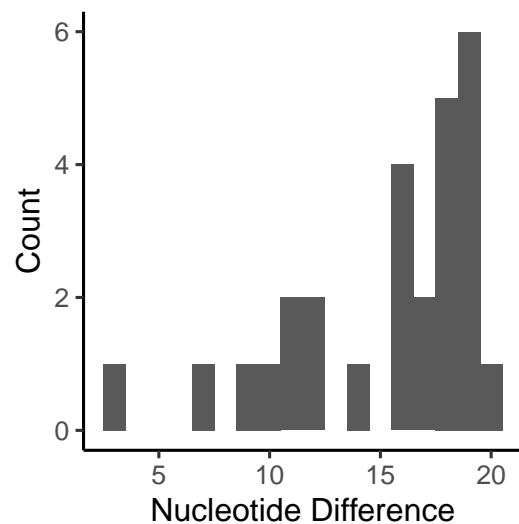
IGHV3-52*01_03

1 sequences assigned
No exact matches.



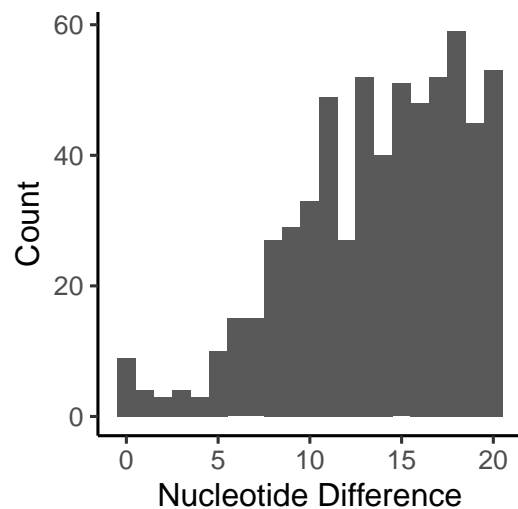
IGHV3-64*04

70 sequences assigned
No exact matches.



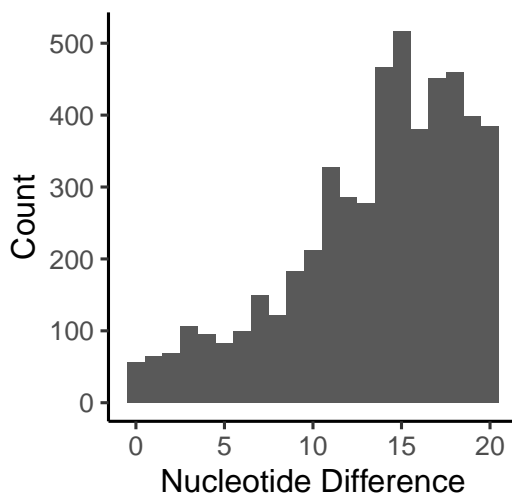
IGHV3-49*04

1149 sequences assigned
9 (0.8%) exact matches, in which:
9 unique CDR3
2 unique J



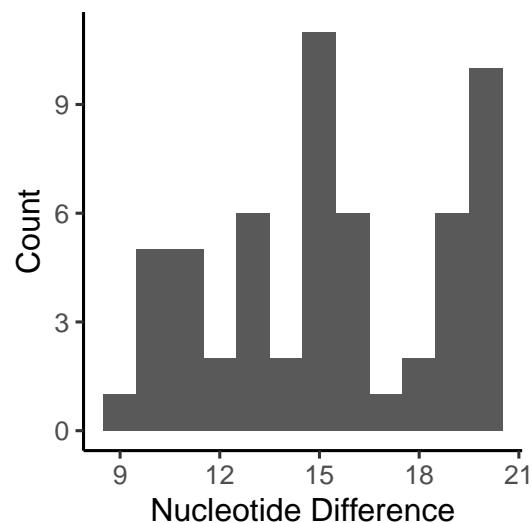
IGHV3-53*01_02

8428 sequences assigned
56 (0.7%) exact matches, in which:
40 unique CDR3
3 unique J



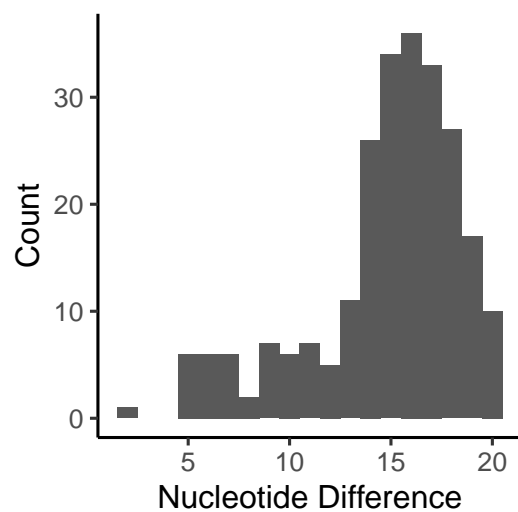
IGHV3-64*02_07

139 sequences assigned
No exact matches.



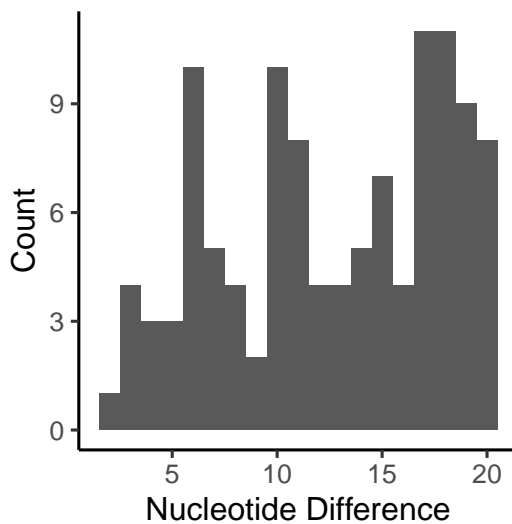
IGHV3-49*03_05

498 sequences assigned
No exact matches.



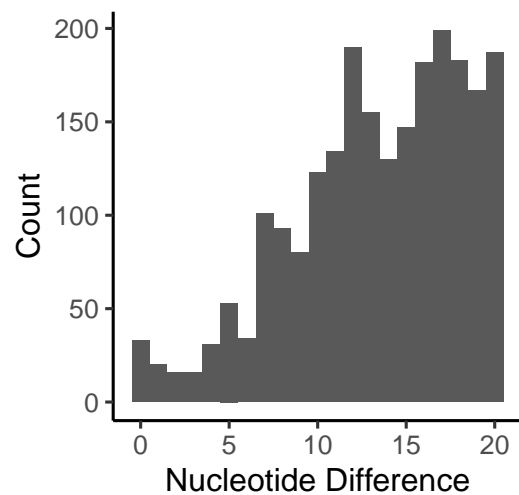
IGHV3-64*01

268 sequences assigned
No exact matches.



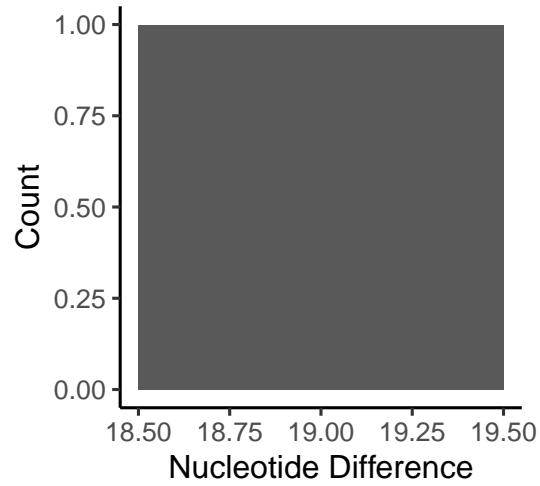
IGHV3-66*01

3571 sequences assigned
33 (0.9%) exact matches, in which:
26 unique CDR3
4 unique J



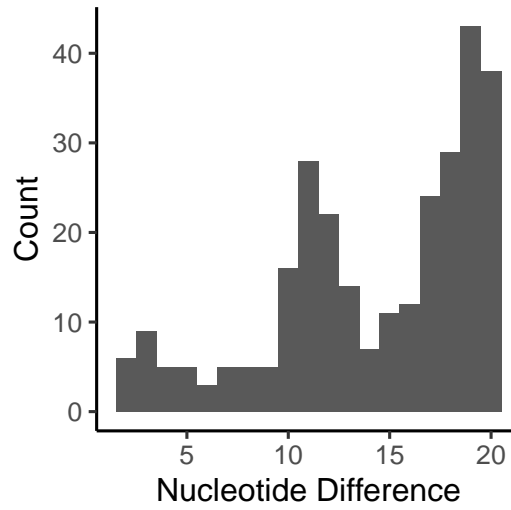
IGHV3-69-1*01

14 sequences assigned
No exact matches.



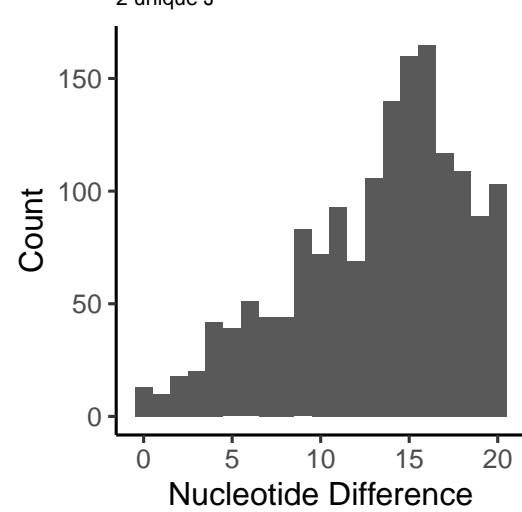
IGHV3-73*01_02

509 sequences assigned
No exact matches.



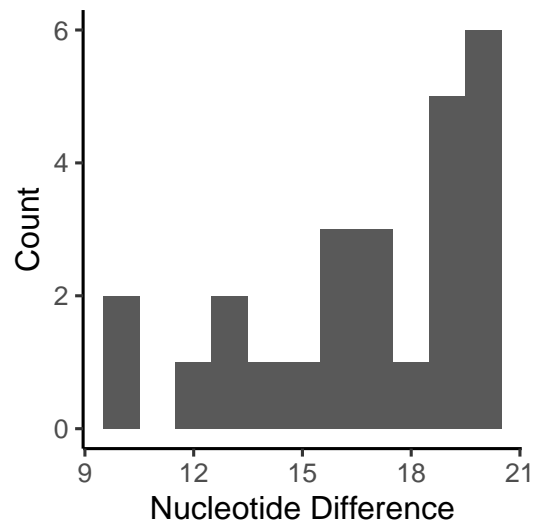
IGHV3-64D*06

3058 sequences assigned
13 (0.4%) exact matches, in which:
12 unique CDR3
2 unique J



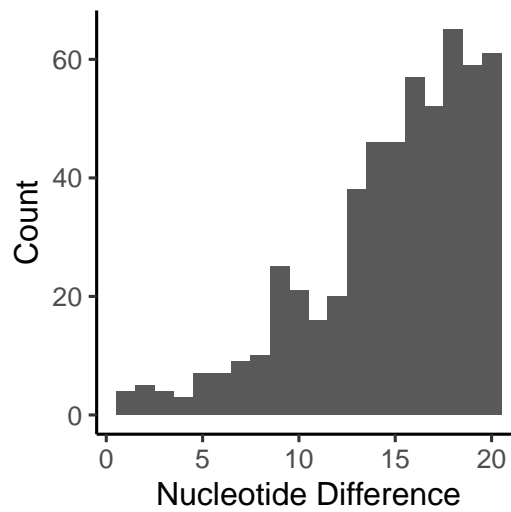
IGHV3-69-1*02

108 sequences assigned
No exact matches.



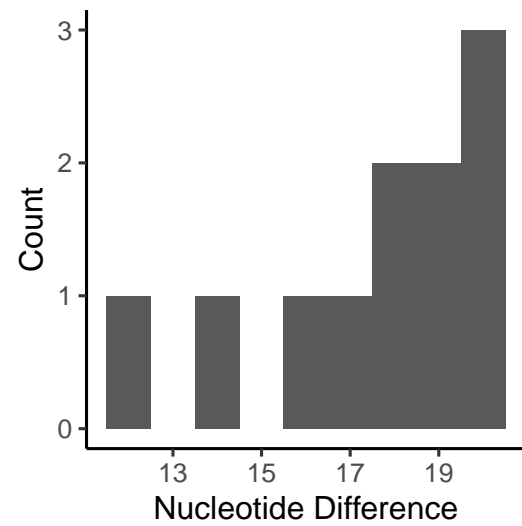
IGHV3-74*03

1020 sequences assigned
No exact matches.



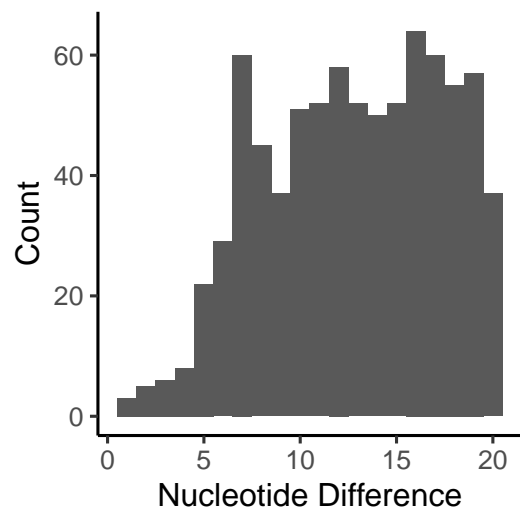
IGHV3-NL1*01

31 sequences assigned
No exact matches.



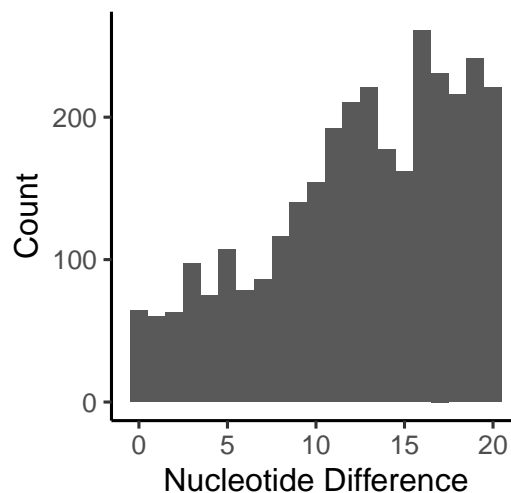
IGHV3-72*01

1055 sequences assigned
No exact matches.



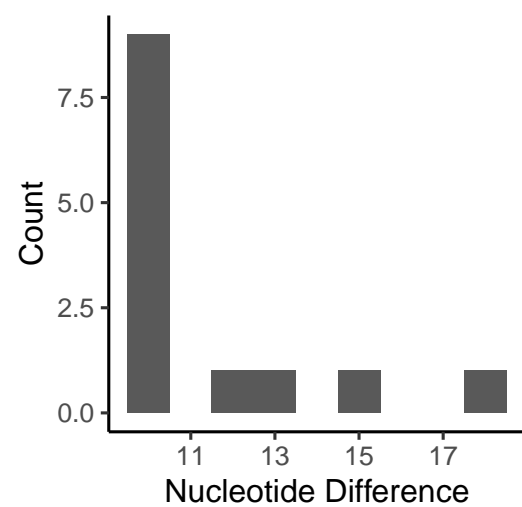
IGHV3-74*01_02

4578 sequences assigned
64 (1.4%) exact matches, in which:
41 unique CDR3
4 unique J



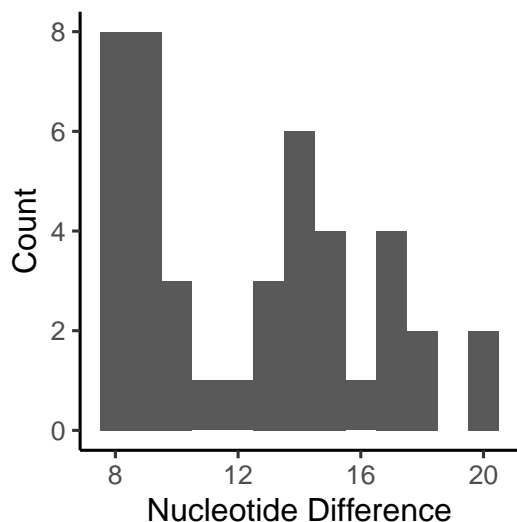
IGHV4-28*03

34 sequences assigned
No exact matches.



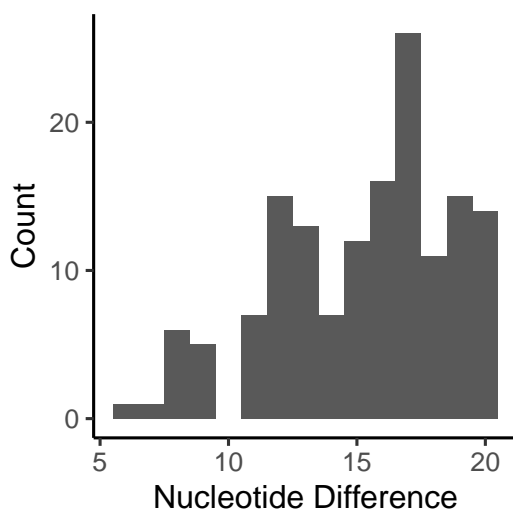
IGHV4-28*01_07

94 sequences assigned
No exact matches.



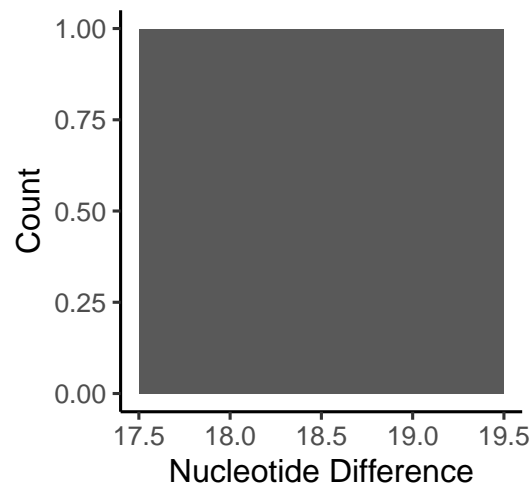
IGHV4-30-2*06

306 sequences assigned
No exact matches.



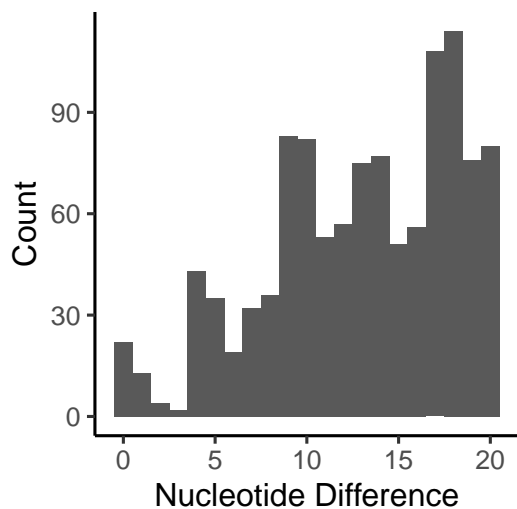
IGHV4-38-2*01

5 sequences assigned
No exact matches.



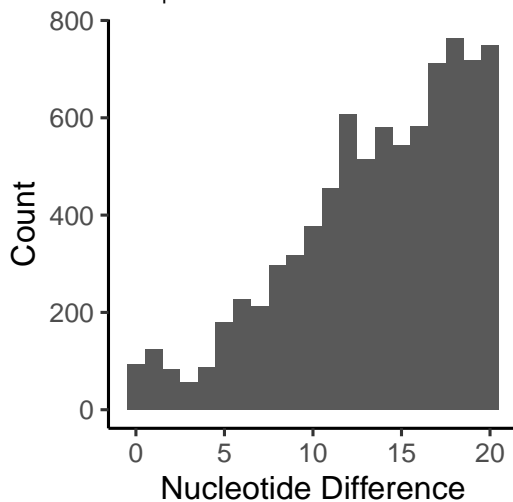
IGHV4-30-2*01

1790 sequences assigned
22 (1.2%) exact matches, in which:
19 unique CDR3
4 unique J



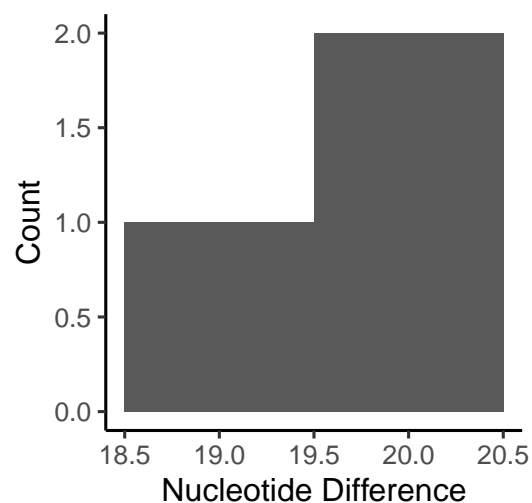
IGHV4-31*03_04

17664 sequences assigned
93 (0.5%) exact matches, in which:
71 unique CDR3
3 unique J



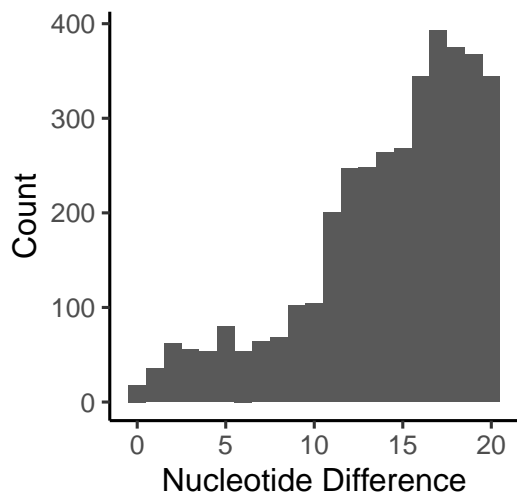
IGHV4-38-2*02

33 sequences assigned
No exact matches.



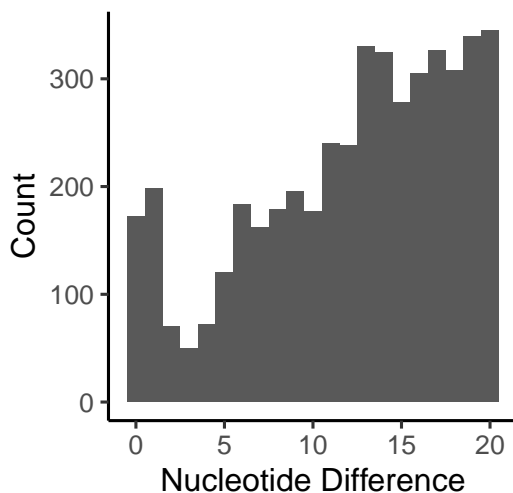
IGHV4-30-4*01

6848 sequences assigned
18 (0.3%) exact matches, in which:
11 unique CDR3
2 unique J



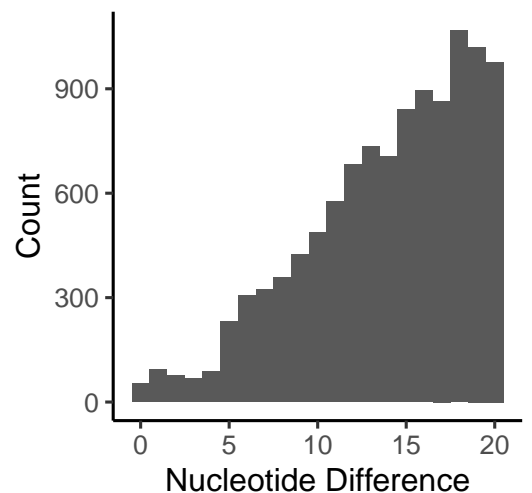
IGHV4-34*01_02

8869 sequences assigned
172 (1.9%) exact matches, in which:
111 unique CDR3
6 unique J



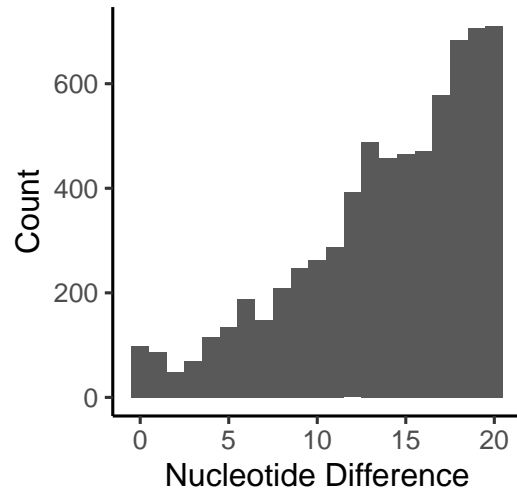
IGHV4-39*01_05

25134 sequences assigned
54 (0.2%) exact matches, in which:
35 unique CDR3
3 unique J



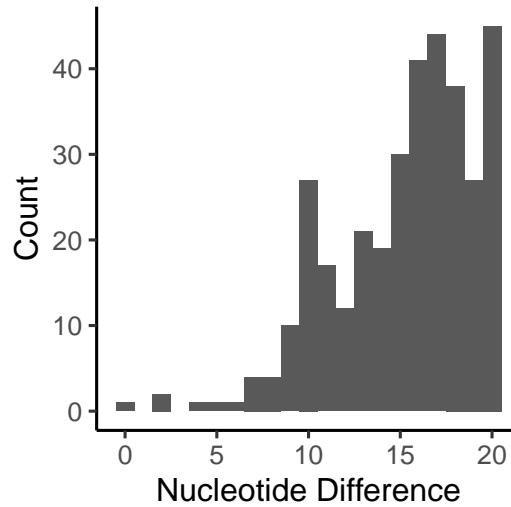
IGHV4-59*08

13647 sequences assigned
98 (0.7%) exact matches, in which:
69 unique CDR3
5 unique J



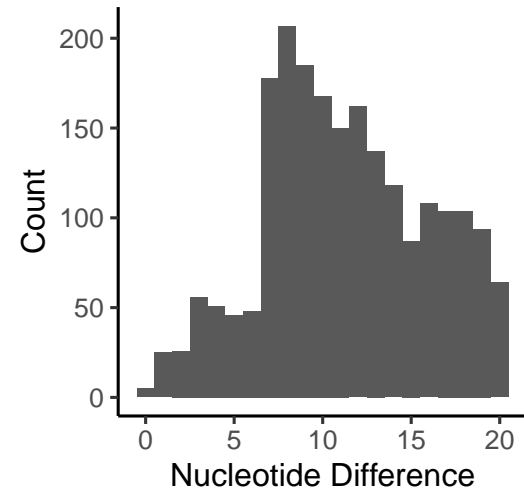
IGHV4-61*08

867 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



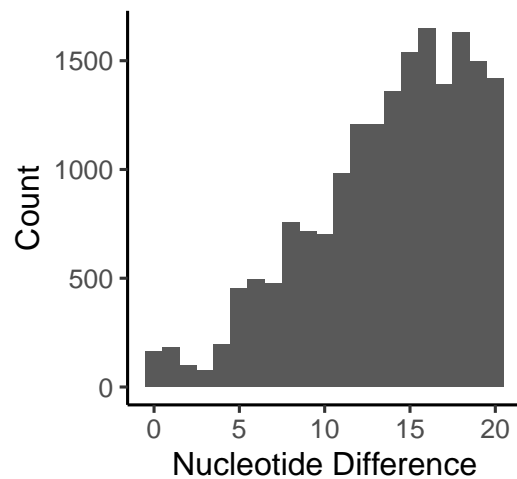
IGHV6-1*01_02

2641 sequences assigned
5 (0.2%) exact matches, in which:
5 unique CDR3
2 unique J



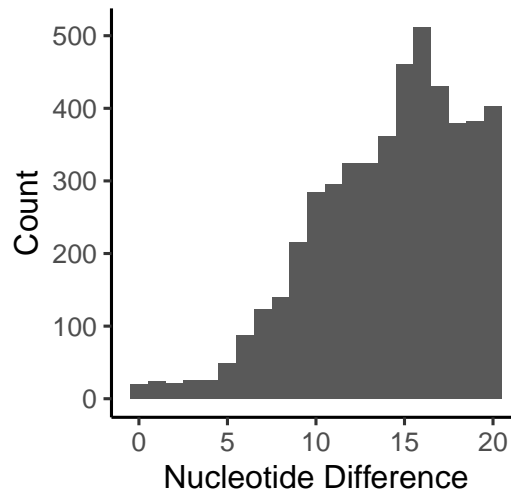
IGHV4-59*01_07

36573 sequences assigned
162 (0.4%) exact matches, in which:
115 unique CDR3
6 unique J



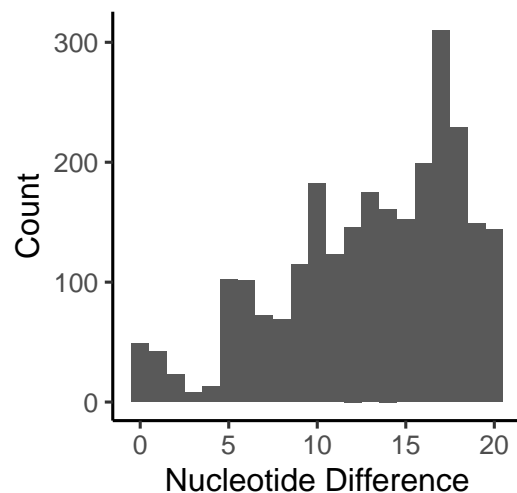
IGHV5-10-1*01_03

8839 sequences assigned
20 (0.2%) exact matches, in which:
14 unique CDR3
3 unique J



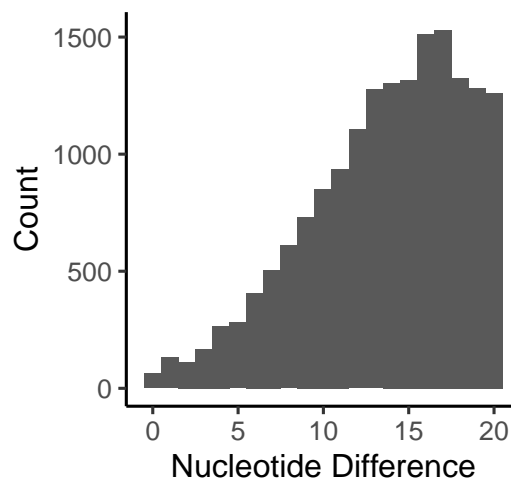
IGHV4-61*01

3754 sequences assigned
49 (1.3%) exact matches, in which:
40 unique CDR3
3 unique J

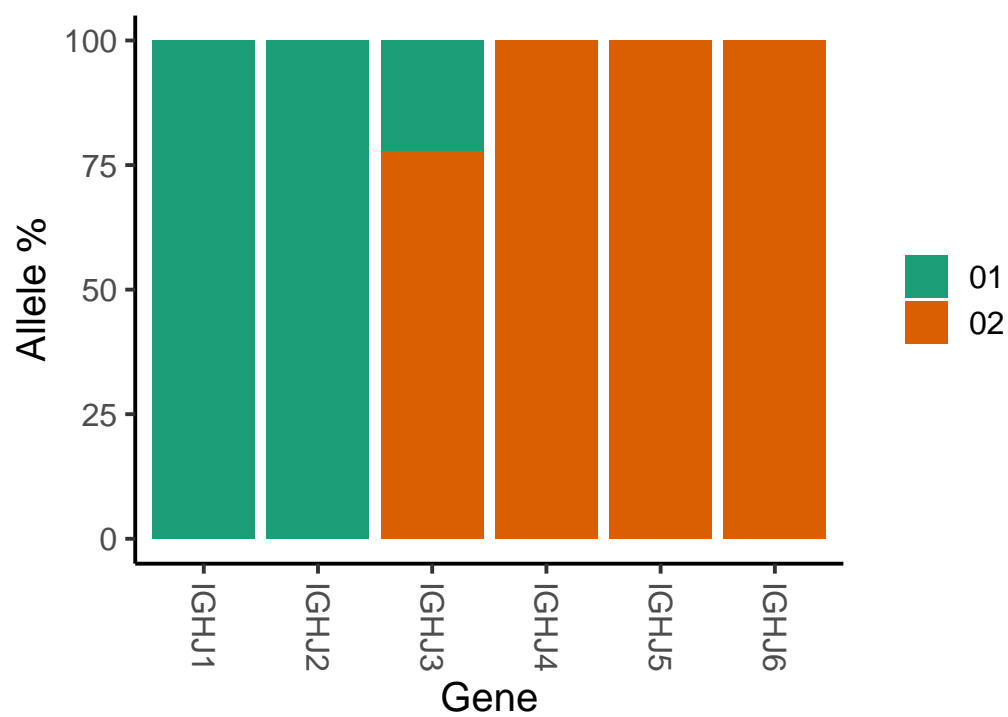


IGHV5-51*01_03

26269 sequences assigned
63 (0.2%) exact matches, in which:
41 unique CDR3
3 unique J



Allele Usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.