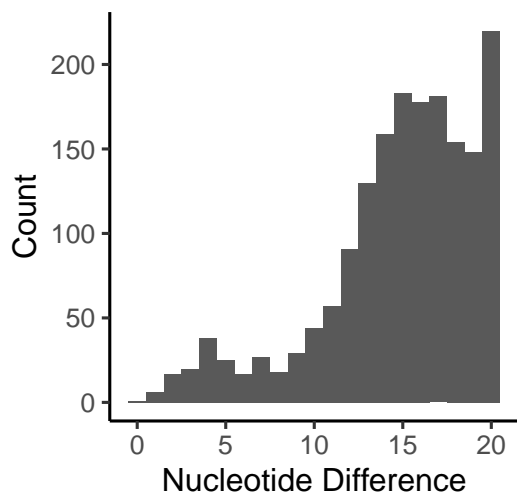


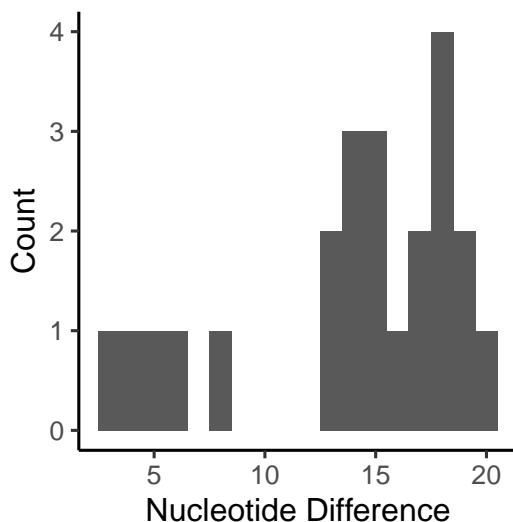
IGHV1-2*02

4121 sequences assigned
1 (0%) exact matches, in which:
1 unique CDR3
1 unique J



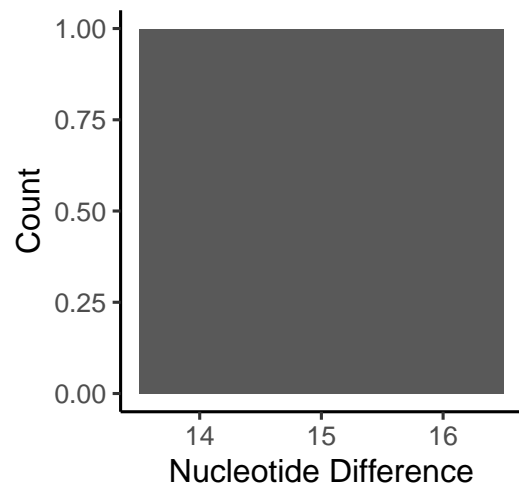
IGHV1-24*01

32 sequences assigned
No exact matches.



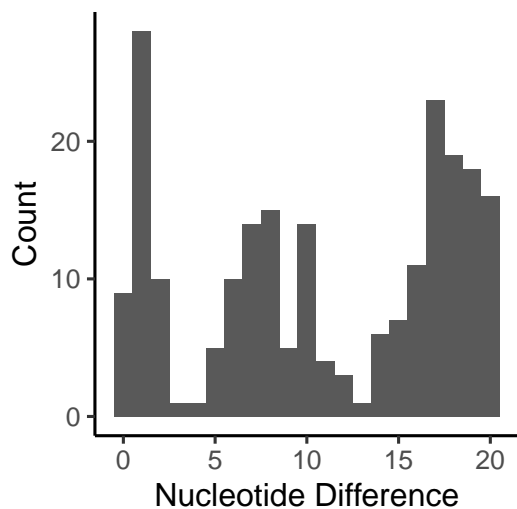
IGHV1-58*01_03

11 sequences assigned
No exact matches.



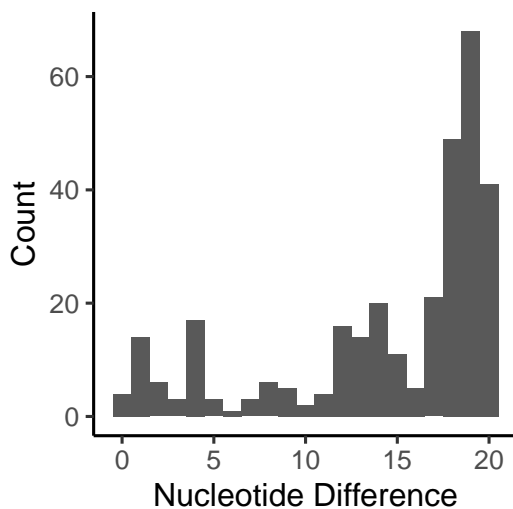
IGHV1-8*01

387 sequences assigned
9 (2.3%) exact matches, in which:
4 unique CDR3
1 unique J



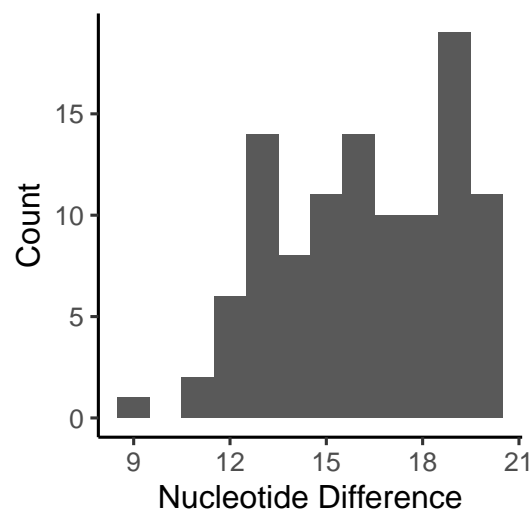
IGHV1-46*01

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



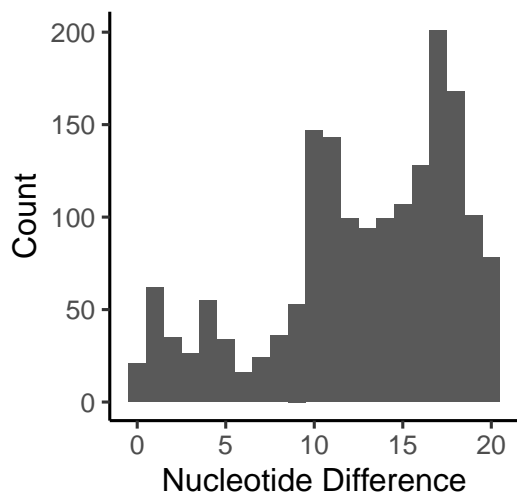
IGHV1-69*02

212 sequences assigned
No exact matches.



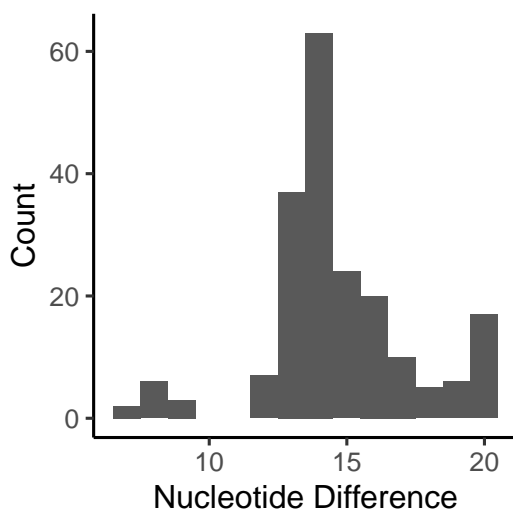
IGHV1-18*01

4317 sequences assigned
21 (0.5%) exact matches, in which:
18 unique CDR3
4 unique J



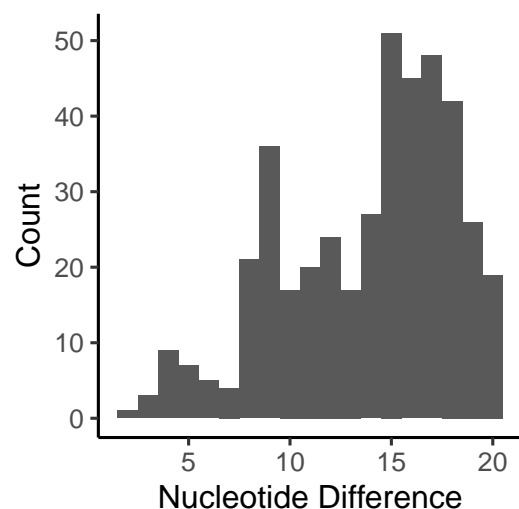
IGHV1-46*03

1085 sequences assigned
No exact matches.



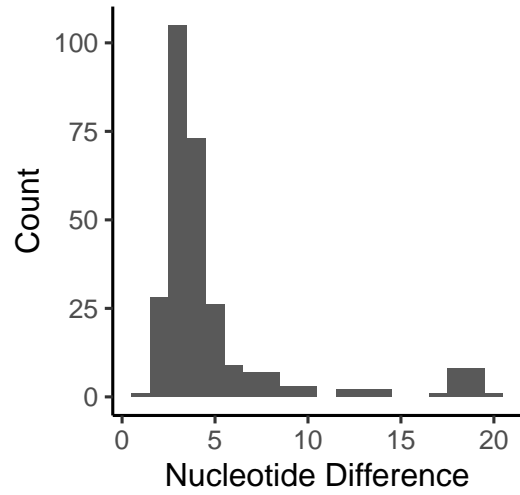
IGHV1-69*01_12_13

992 sequences assigned
No exact matches.



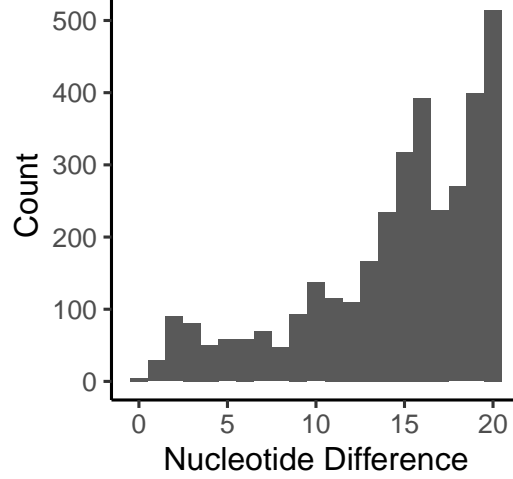
IGHV1-69*10

407 sequences assigned
No exact matches.



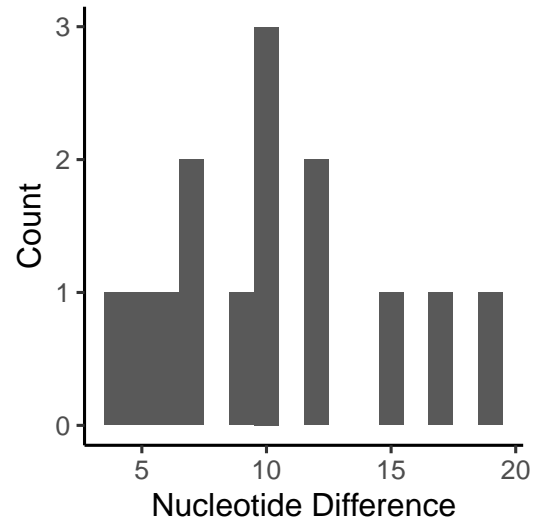
IGHV3-7*01

7994 sequences assigned
5 (0.1%) exact matches, in which:
4 unique CDR3
2 unique J



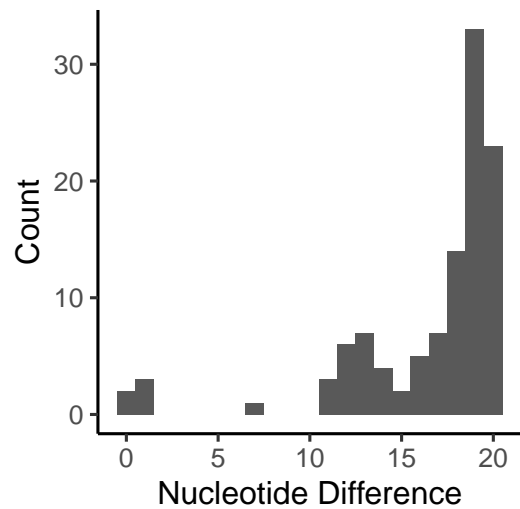
IGHV3-11*04

36 sequences assigned
No exact matches.



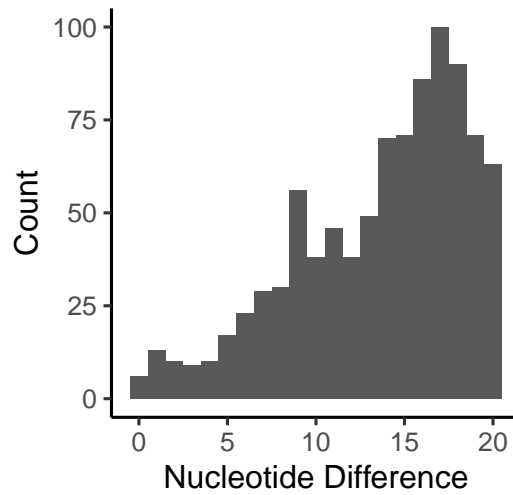
IGHV1-69*17

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



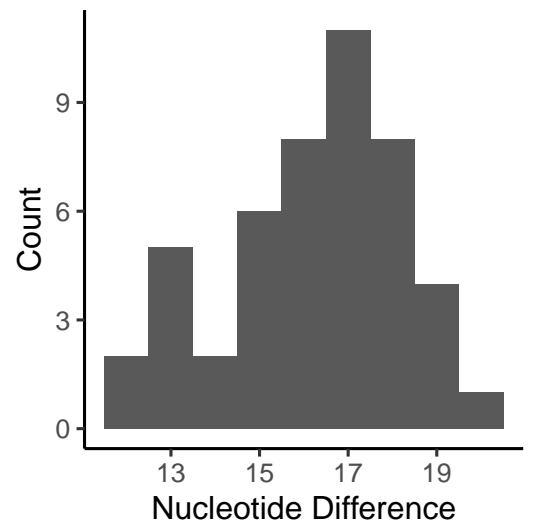
IGHV3-9*01

1627 sequences assigned
6 (0.4%) exact matches, in which:
5 unique CDR3
2 unique J



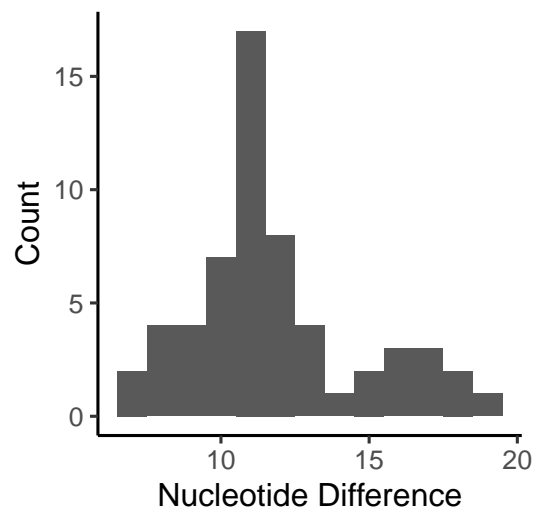
IGHV3-13*01

88 sequences assigned
No exact matches.



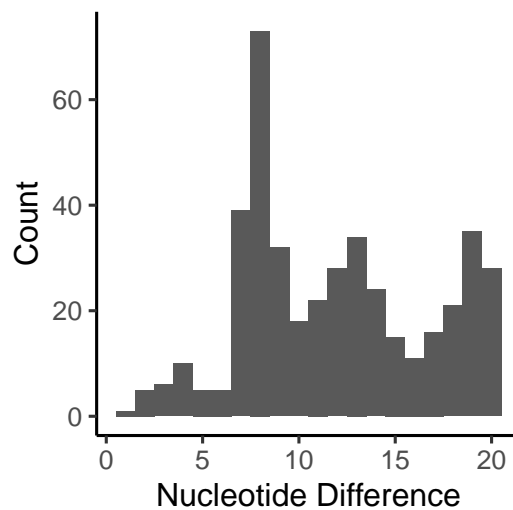
IGHV2-5*01

79 sequences assigned
No exact matches.



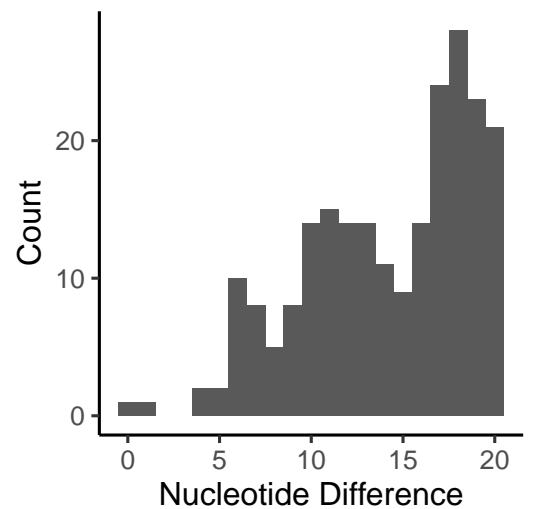
IGHV3-11*01

933 sequences assigned
No exact matches.



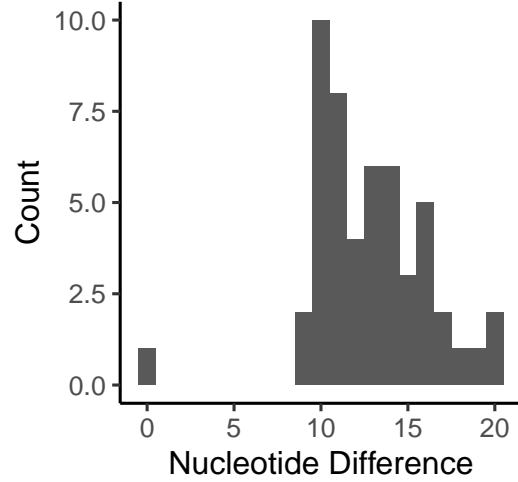
IGHV3-15*01_02

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



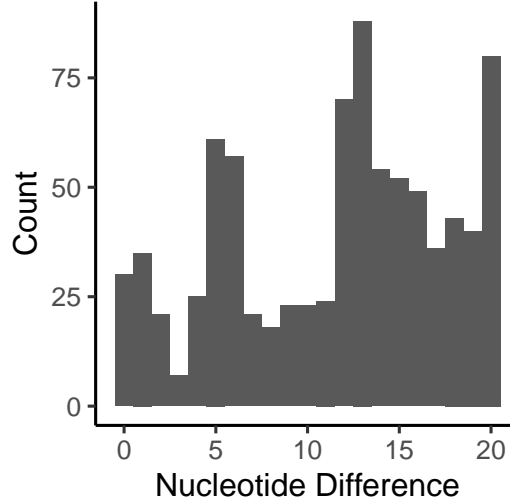
IGHV3-20*01_02

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



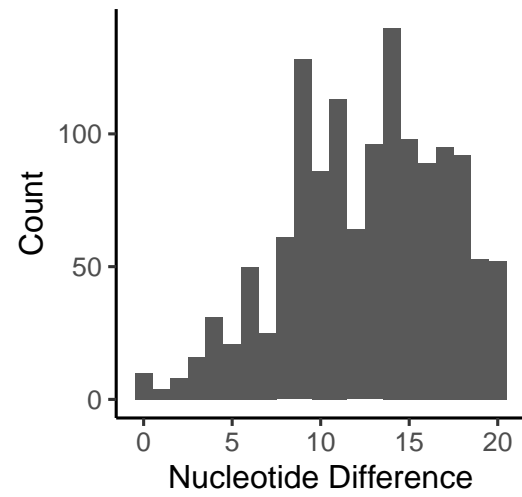
IGHV3-21*01_02

1048 sequences assigned
30 (2.9%) exact matches, in which:
18 unique CDR3
3 unique J



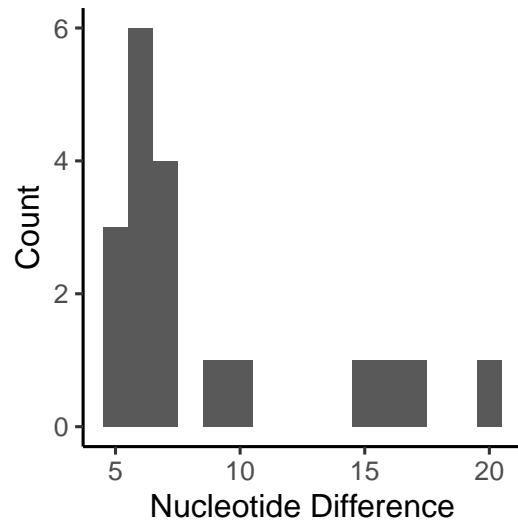
IGHV3-33*01

2131 sequences assigned
10 (0.5%) exact matches, in which:
6 unique CDR3
3 unique J



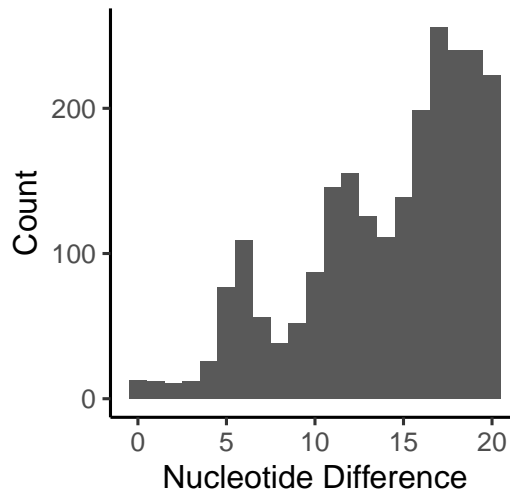
IGHV3-20*03_04

31 sequences assigned
No exact matches.



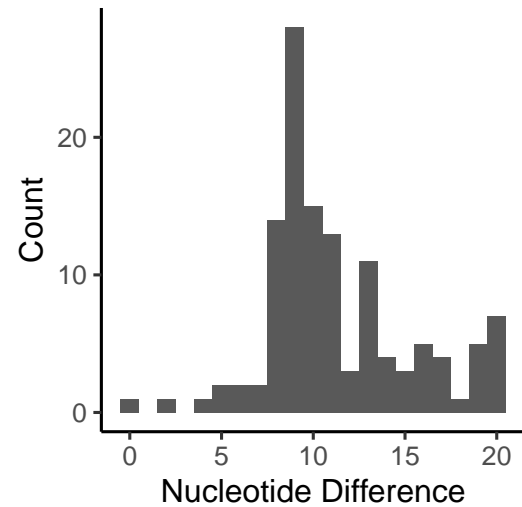
IGHV3-23*01_04

4301 sequences assigned
13 (0.3%) exact matches, in which:
11 unique CDR3
2 unique J



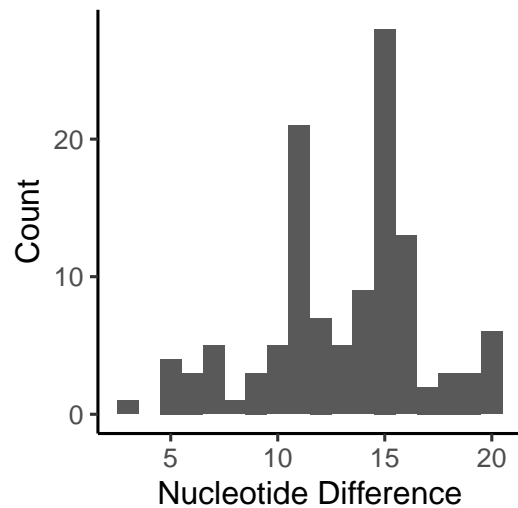
IGHV3-33*06

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



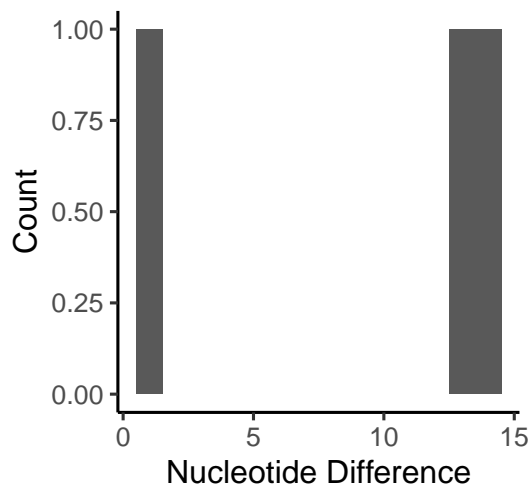
IGHV3-21*06

307 sequences assigned
No exact matches.



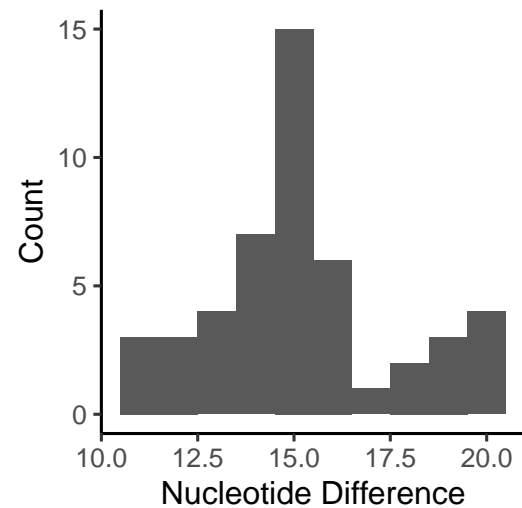
IGHV3-30-3*03

5 sequences assigned
No exact matches.



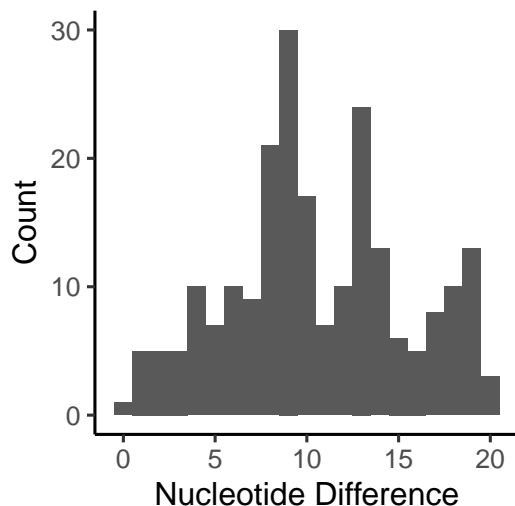
IGHV3-43*01

173 sequences assigned
No exact matches.



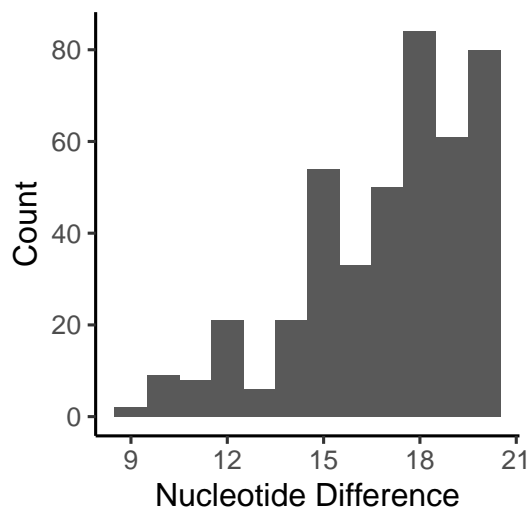
IGHV3-48*01

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



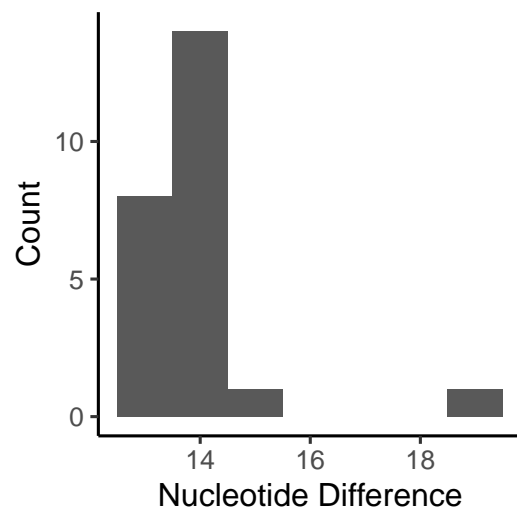
IGHV3-49*03_05

635 sequences assigned
No exact matches.



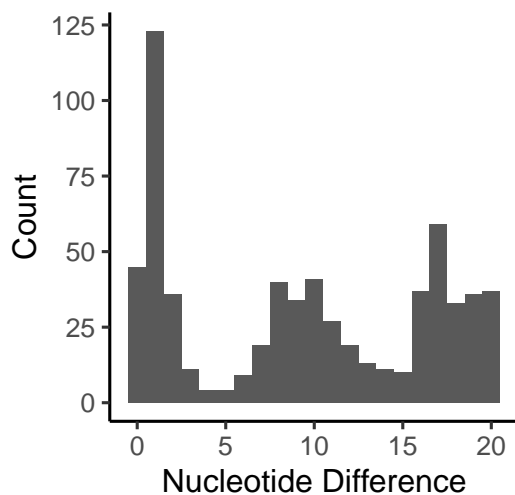
IGHV3-64*02_07

75 sequences assigned
No exact matches.



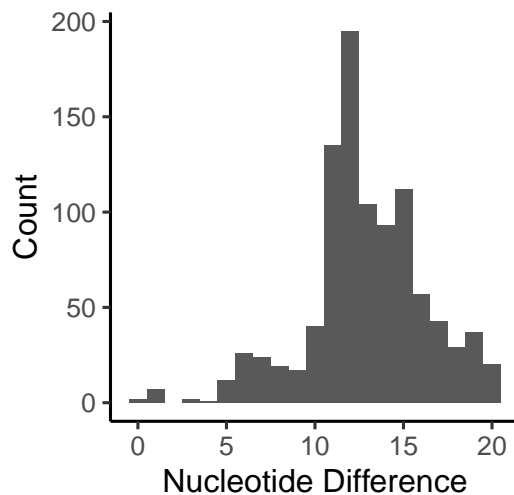
IGHV3-48*02

909 sequences assigned
45 (5%) exact matches, in which:
21 unique CDR3
2 unique J



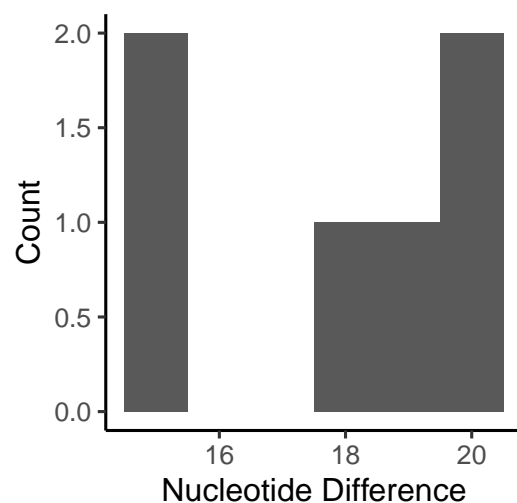
IGHV3-53*01_02

1476 sequences assigned
2 (0.1%) exact matches, in which:
2 unique CDR3
1 unique J



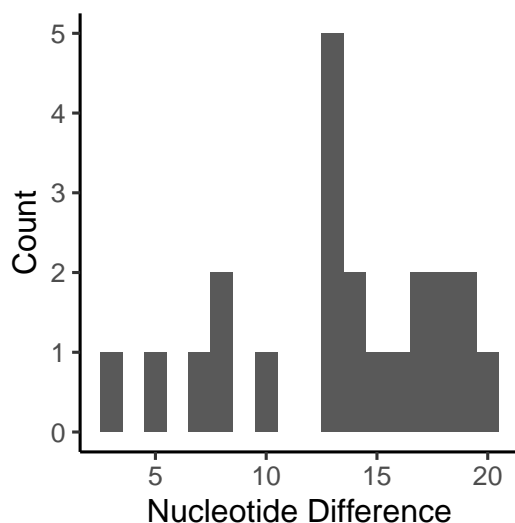
IGHV3-66*01

7 sequences assigned
No exact matches.



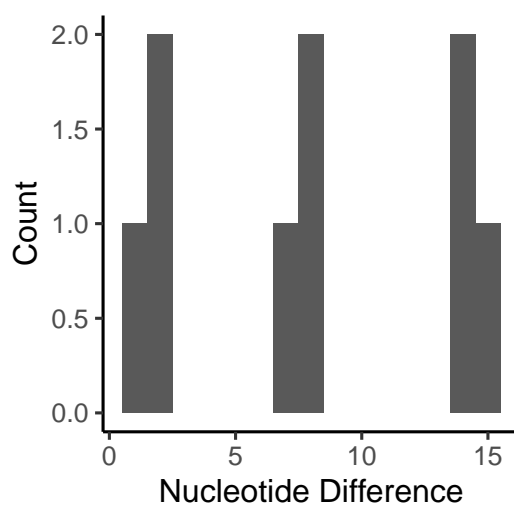
IGHV3-48*04

66 sequences assigned
No exact matches.



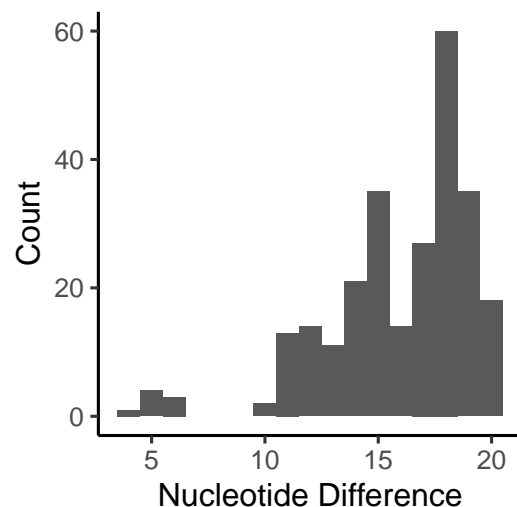
IGHV3-64*01

10 sequences assigned
No exact matches.



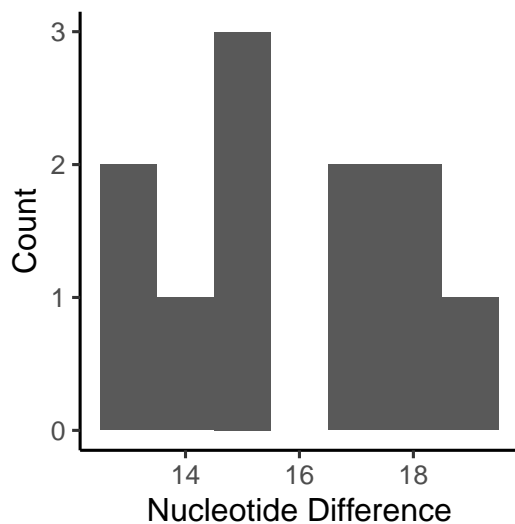
IGHV3-66*02

323 sequences assigned
No exact matches.



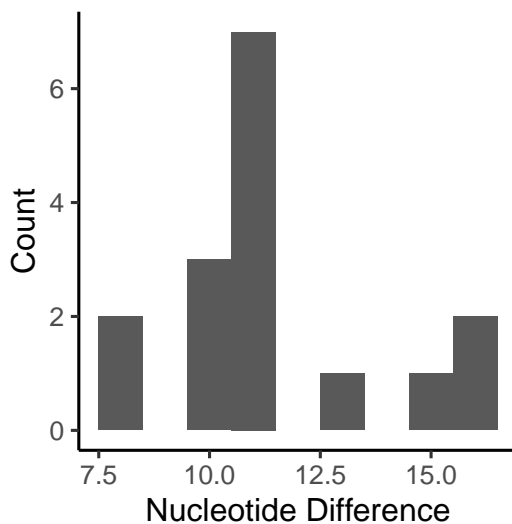
IGHV3-66*03

14 sequences assigned
No exact matches.



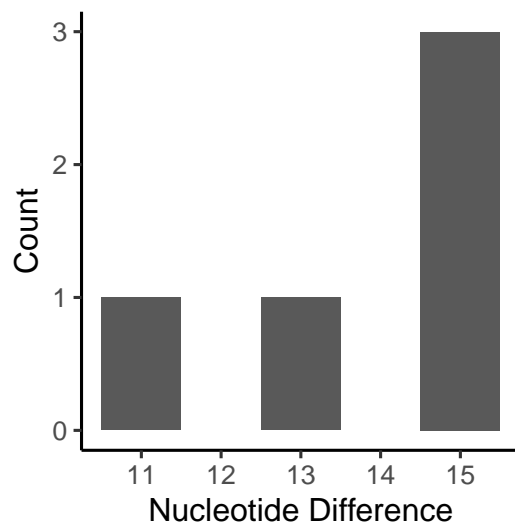
IGHV3-73*01_02

61 sequences assigned
No exact matches.



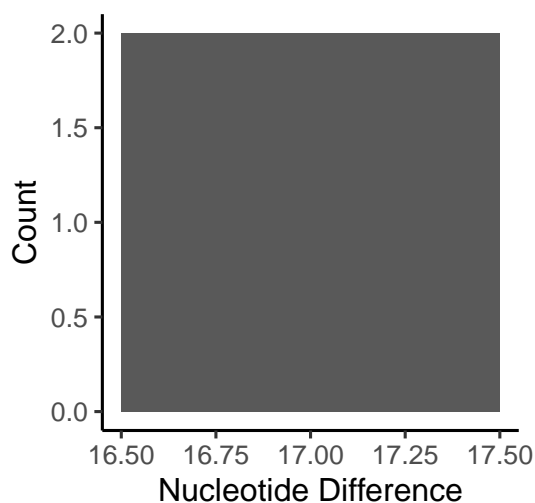
IGHV3-NL1*01

9 sequences assigned
No exact matches.



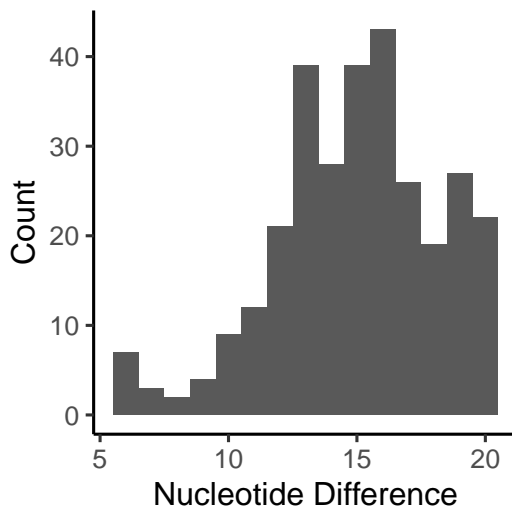
IGHV3-69-1*02

19 sequences assigned
No exact matches.



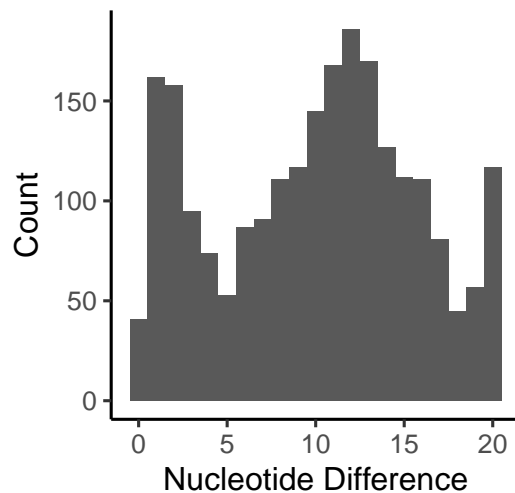
IGHV3-74*03

849 sequences assigned
No exact matches.



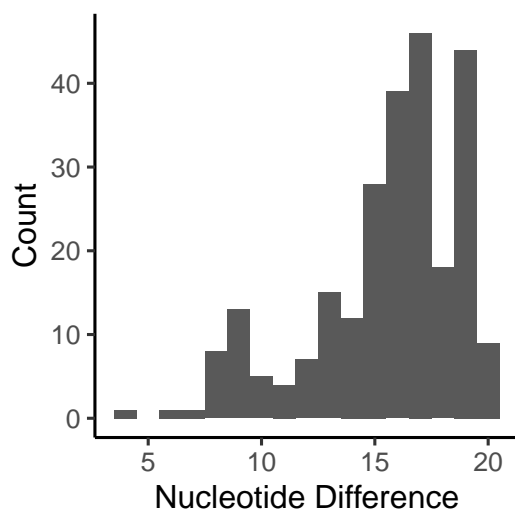
IGHV4-4*07

4246 sequences assigned
41 (1%) exact matches, in which:
24 unique CDR3
4 unique J



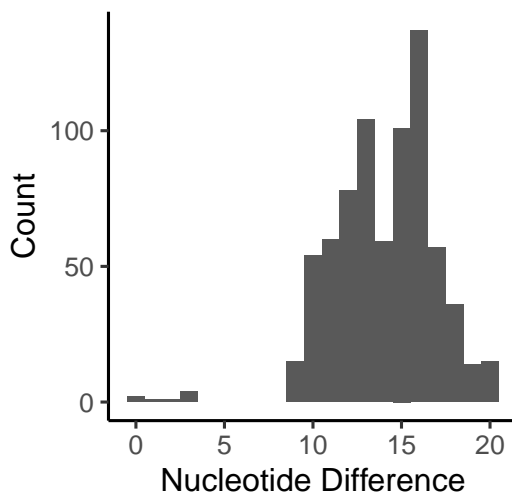
IGHV3-72*01

320 sequences assigned
No exact matches.



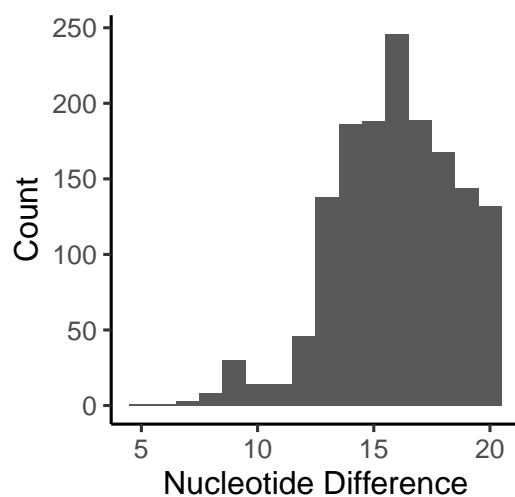
IGHV3-74*01_02

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



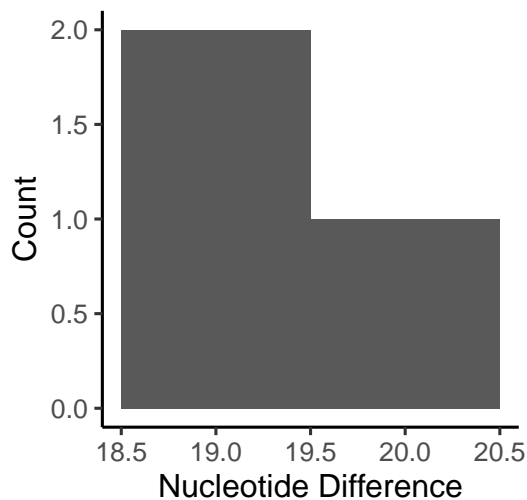
IGHV4-30-2*01

2620 sequences assigned
No exact matches.



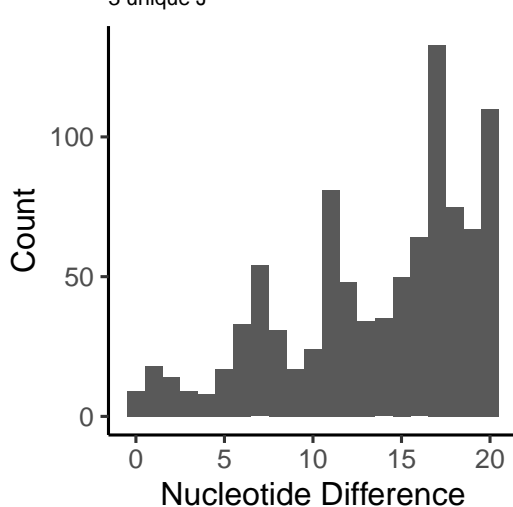
IGHV4-30-4*01

20 sequences assigned
No exact matches.



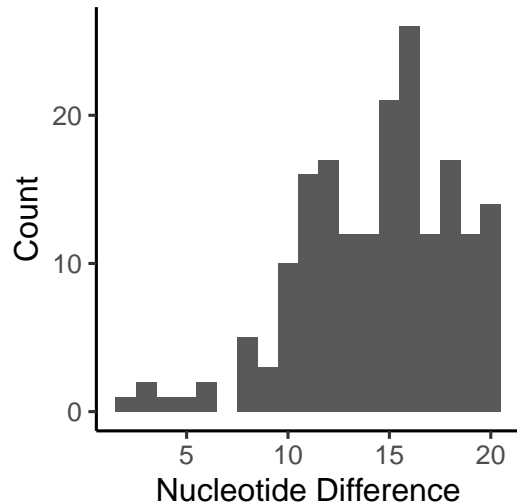
IGHV4-34*01_02

4510 sequences assigned
9 (0.2%) exact matches, in which:
6 unique CDR3
3 unique J



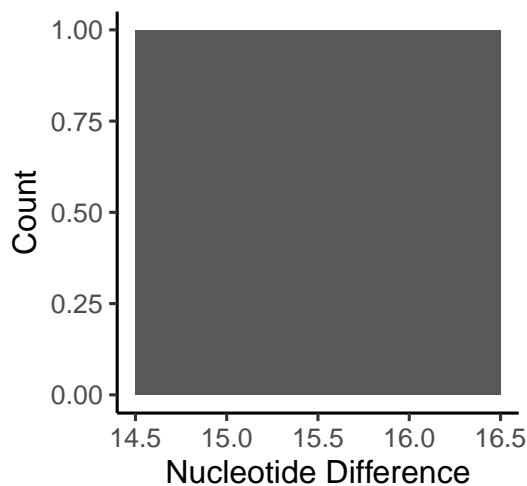
IGHV4-39*07

317 sequences assigned
No exact matches.



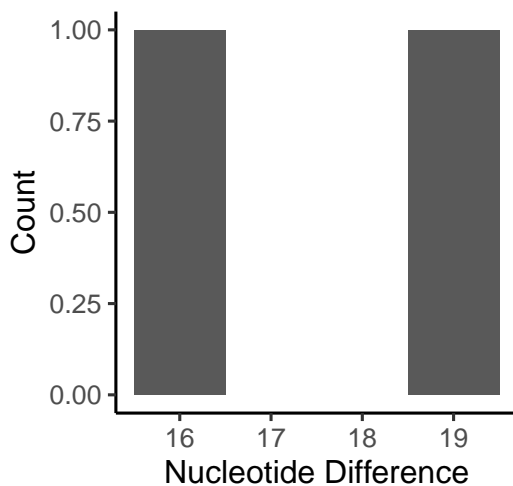
IGHV4-30-4*08

13 sequences assigned
No exact matches.



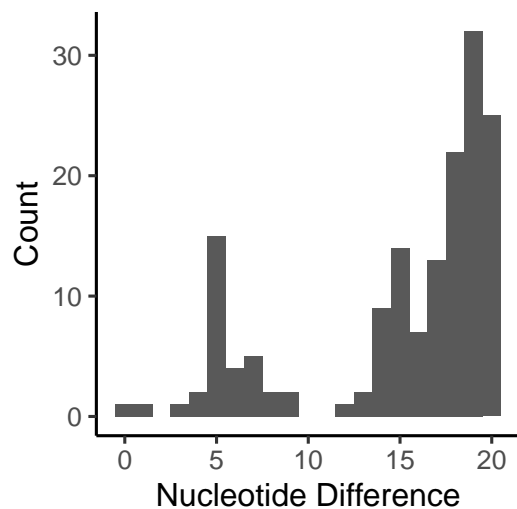
IGHV4-38-2*02

161 sequences assigned
No exact matches.



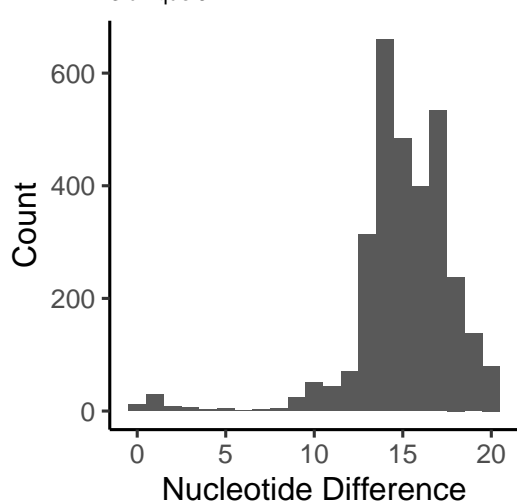
IGHV4-39*01_05

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



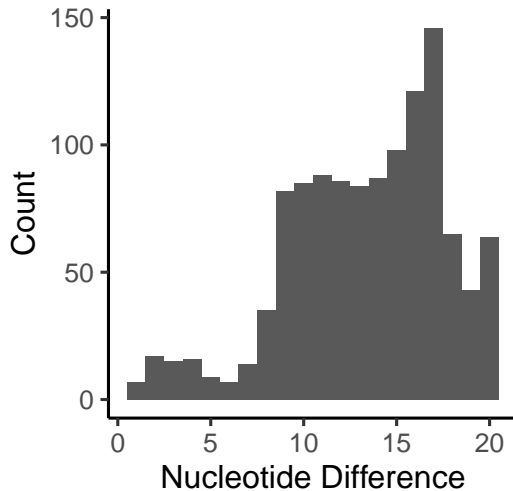
IGHV4-31*02

5852 sequences assigned
11 (0.2%) exact matches, in which:
9 unique CDR3
3 unique J



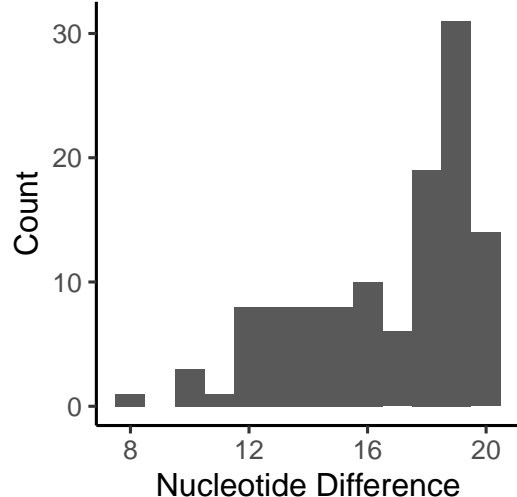
IGHV4-39*02

3214 sequences assigned
No exact matches.



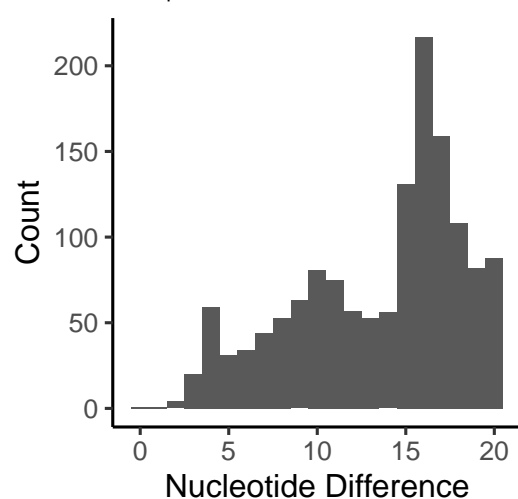
IGHV4-59*02

1748 sequences assigned
No exact matches.



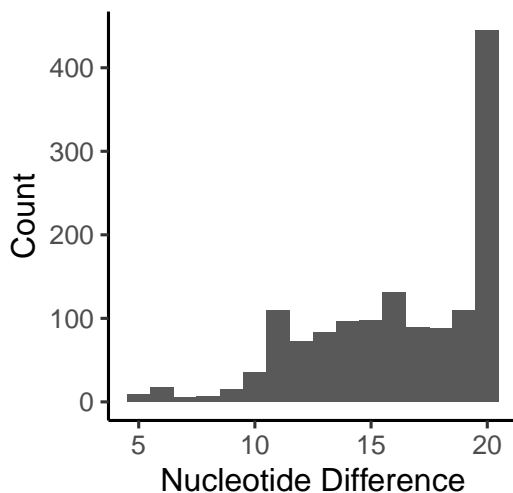
IGHV4–59*01_07

2748 sequences assigned
1 (0%) exact matches, in which:
1 unique CDR3
1 unique J



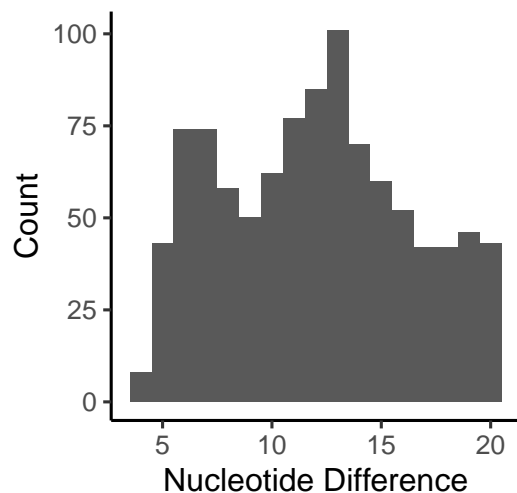
IGHV4–61*01

3713 sequences assigned
No exact matches.



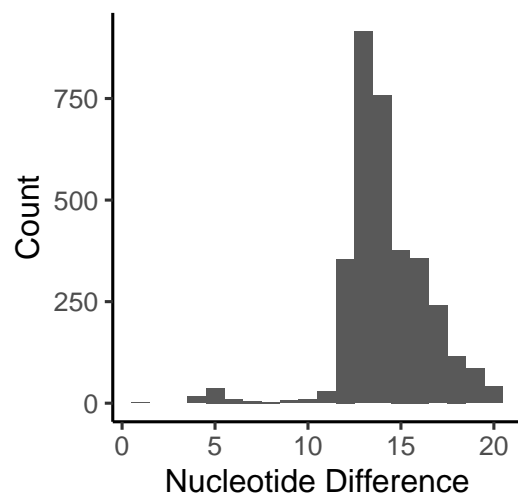
IGHV5–51*07

1200 sequences assigned
No exact matches.



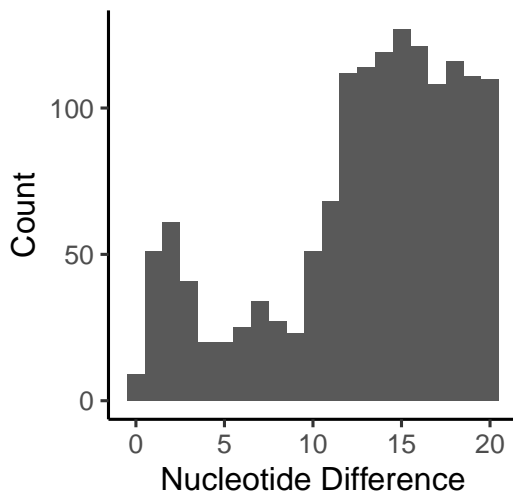
IGHV4–59*11

3658 sequences assigned
No exact matches.



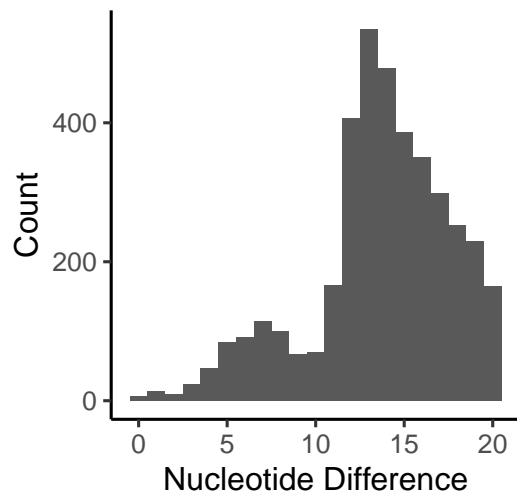
IGHV4–61*02

2683 sequences assigned
9 (0.3%) exact matches, in which:
6 unique CDR3
4 unique J



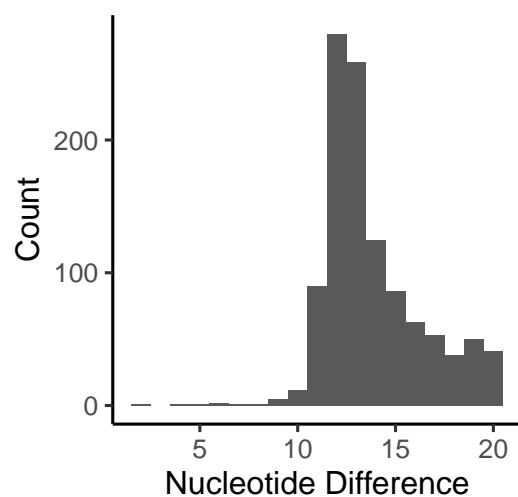
IGHV5–51*01_03

4907 sequences assigned
7 (0.1%) exact matches, in which:
6 unique CDR3
4 unique J



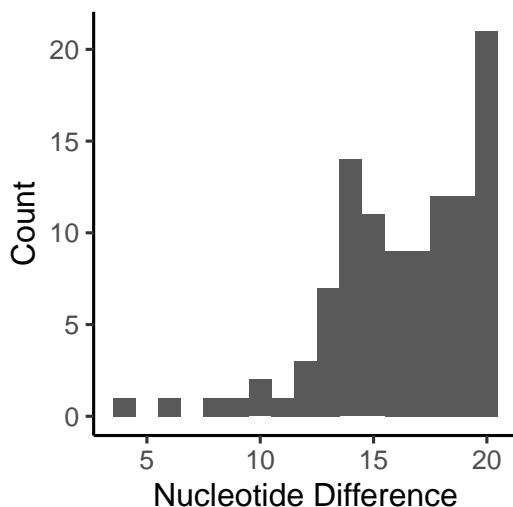
IGHV4–59*12

1763 sequences assigned
No exact matches.



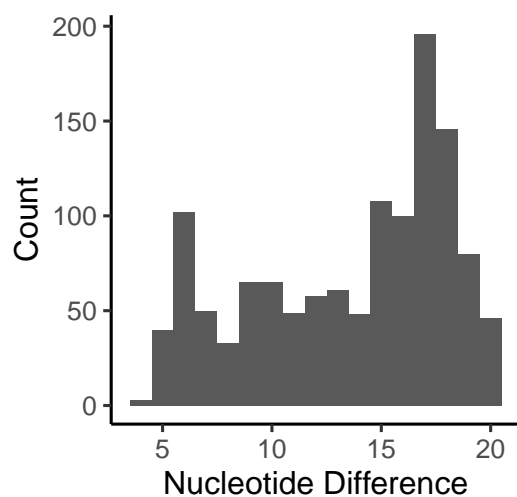
IGHV4–61*08

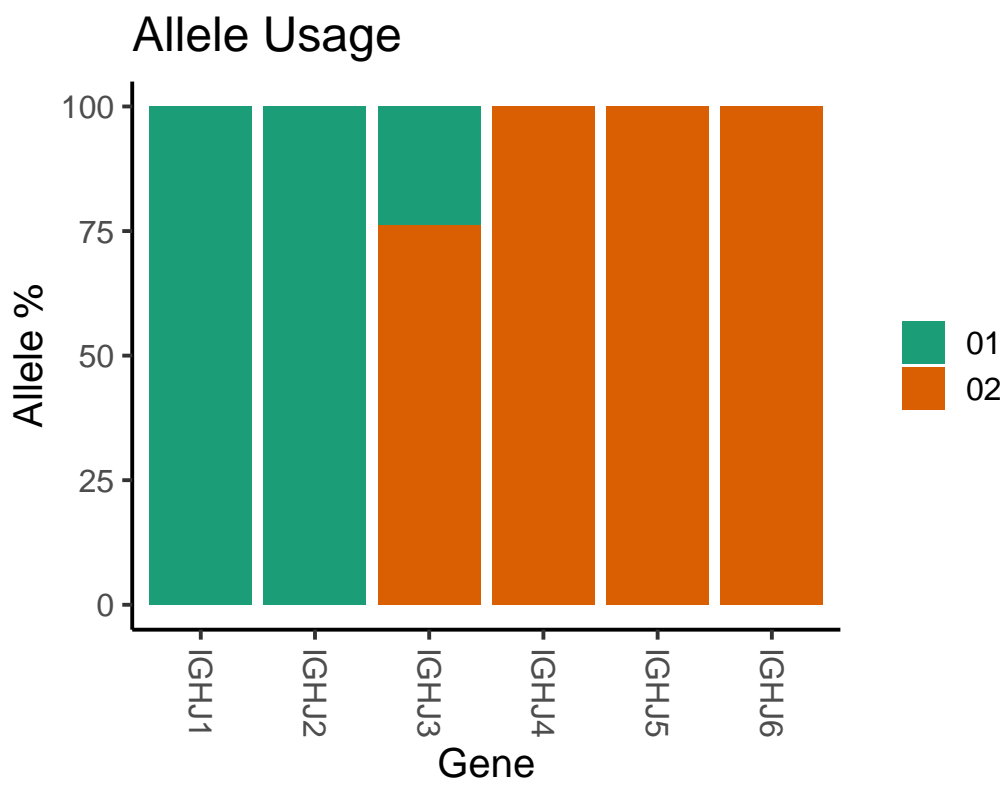
791 sequences assigned
No exact matches.



IGHV6–1*01_02

1590 sequences assigned
No exact matches.





Warning – no inferred sequences found.