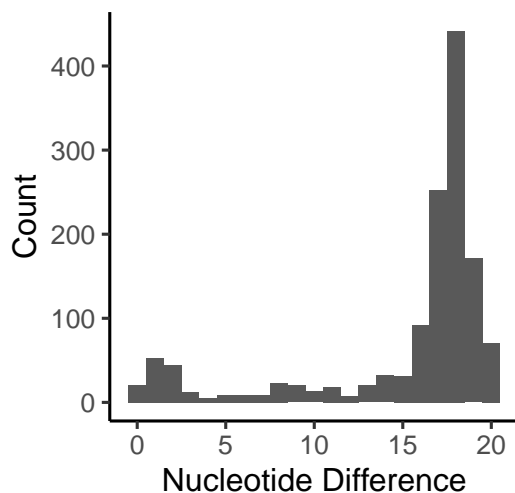


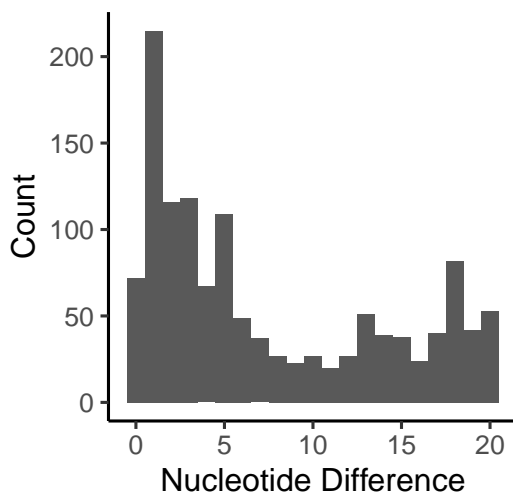
IGHV1-2*02

1691 sequences assigned
21 (1.2%) exact matches, in which:
15 unique CDR3
4 unique J



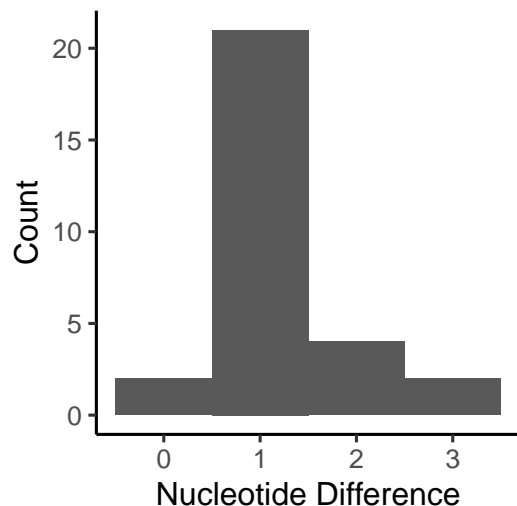
IGHV1-18*01

1950 sequences assigned
72 (3.7%) exact matches, in which:
36 unique CDR3
4 unique J



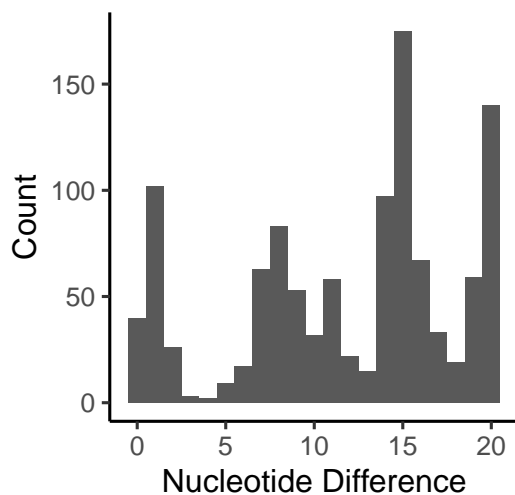
IGHV1-58*01

49 sequences assigned
2 (4.1%) exact matches, in which:
1 unique CDR3
1 unique J



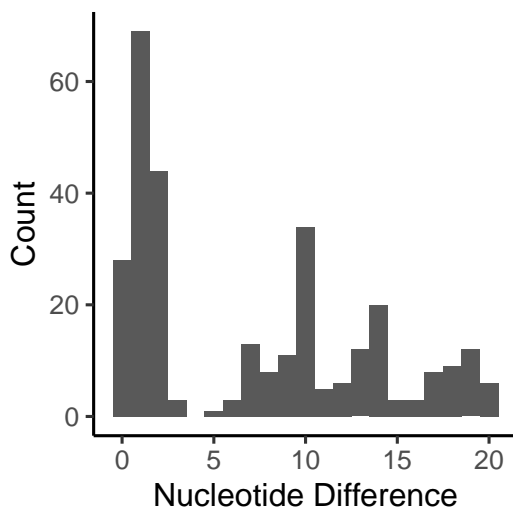
IGHV1-3*01

1606 sequences assigned
40 (2.5%) exact matches, in which:
18 unique CDR3
3 unique J



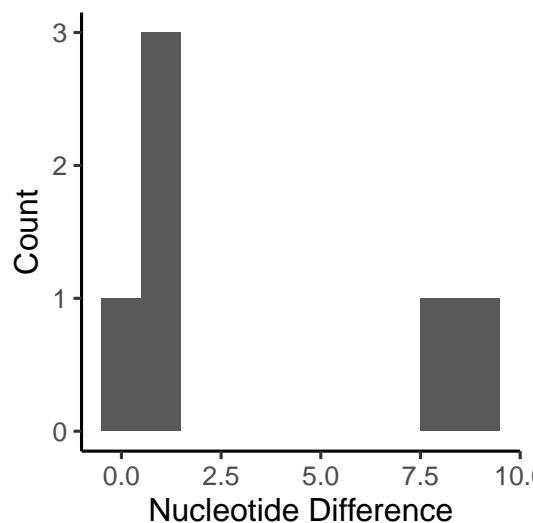
IGHV1-24*01

464 sequences assigned
28 (6%) exact matches, in which:
13 unique CDR3
3 unique J



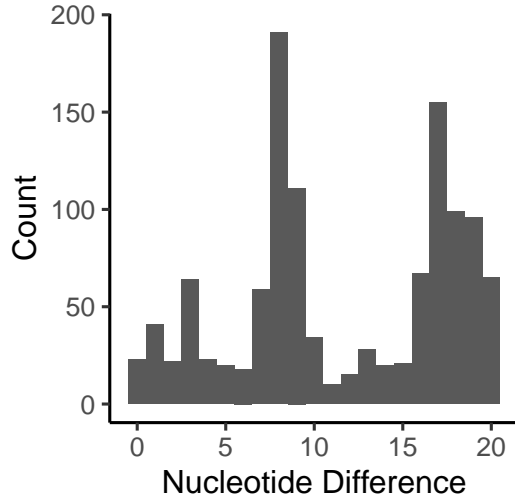
IGHV1-69-2*01

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



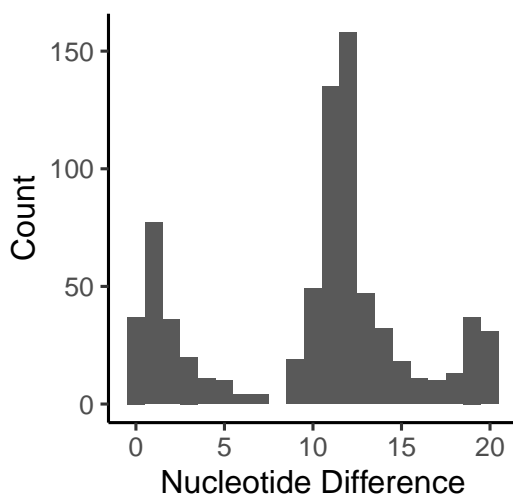
IGHV1-8*01

1426 sequences assigned
23 (1.6%) exact matches, in which:
16 unique CDR3
3 unique J



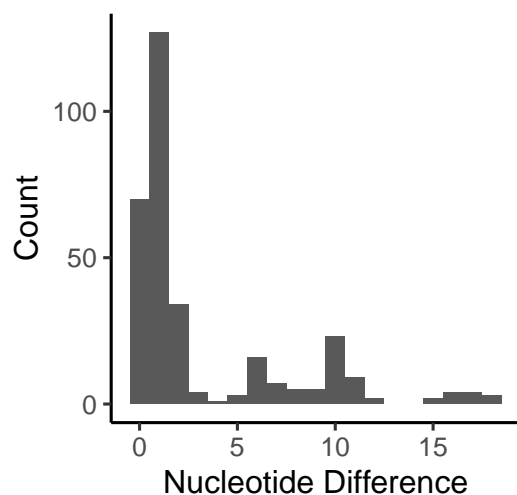
IGHV1-46*01

1115 sequences assigned
37 (3.3%) exact matches, in which:
21 unique CDR3
3 unique J



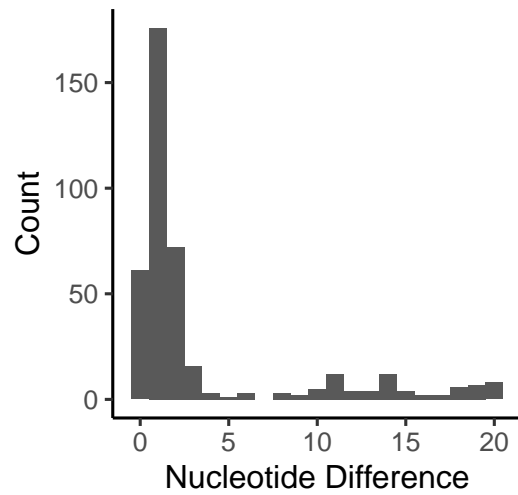
IGHV1-69*06

737 sequences assigned
70 (9.5%) exact matches, in which:
44 unique CDR3
3 unique J



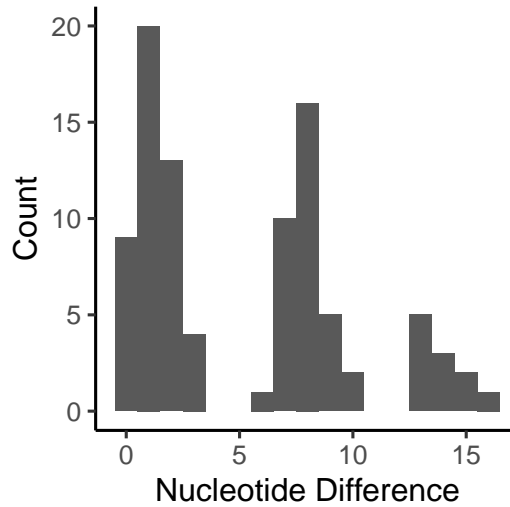
IGHV2-5*01

613 sequences assigned
61 (10%) exact matches, in which:
35 unique CDR3
3 unique J



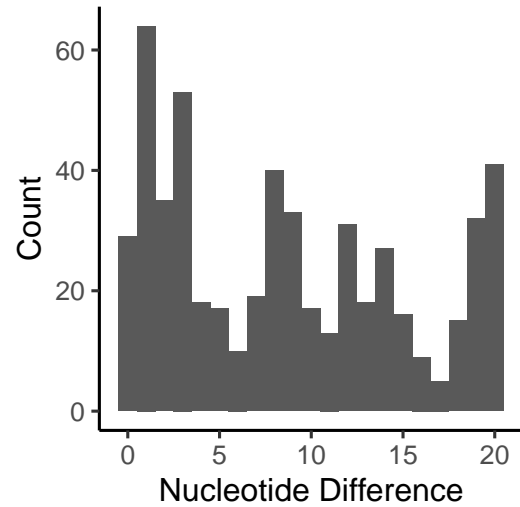
IGHV2-70*01

91 sequences assigned
9 (9.9%) exact matches, in which:
5 unique CDR3
2 unique J



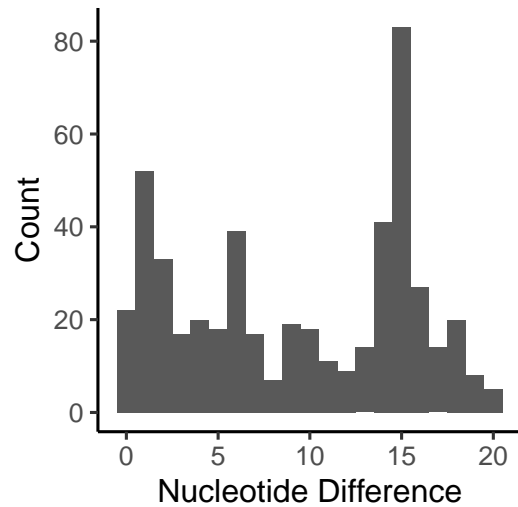
IGHV3-11*01

939 sequences assigned
29 (3.1%) exact matches, in which:
20 unique CDR3
2 unique J



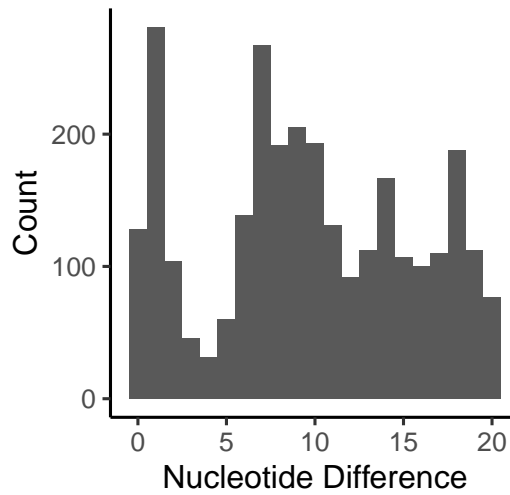
IGHV2-5*02

751 sequences assigned
22 (2.9%) exact matches, in which:
16 unique CDR3
4 unique J



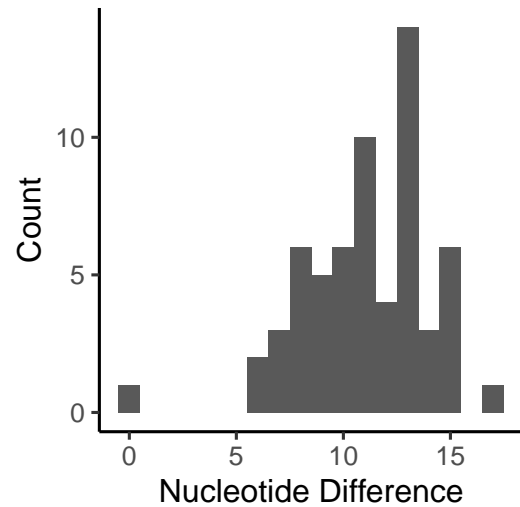
IGHV3-7*01

3759 sequences assigned
128 (3.4%) exact matches, in which:
82 unique CDR3
5 unique J



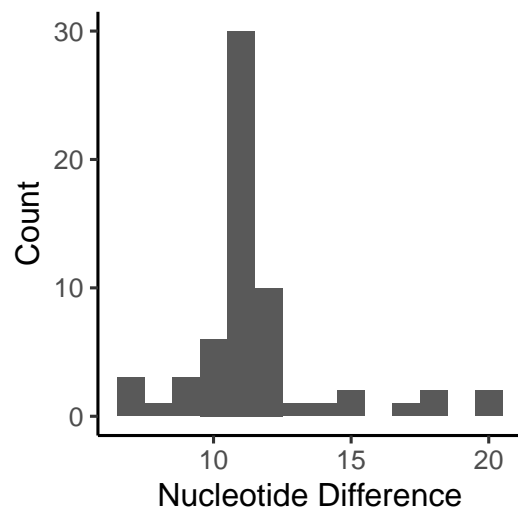
IGHV3-13*01

61 sequences assigned
1 (1.6%) exact matches, in which:
1 unique CDR3
1 unique J



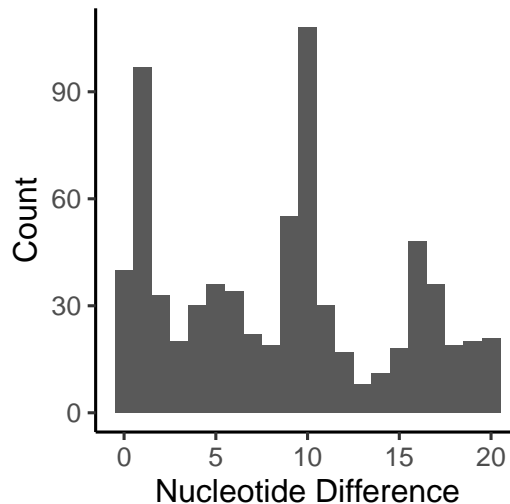
IGHV2-26*01

102 sequences assigned
No exact matches.



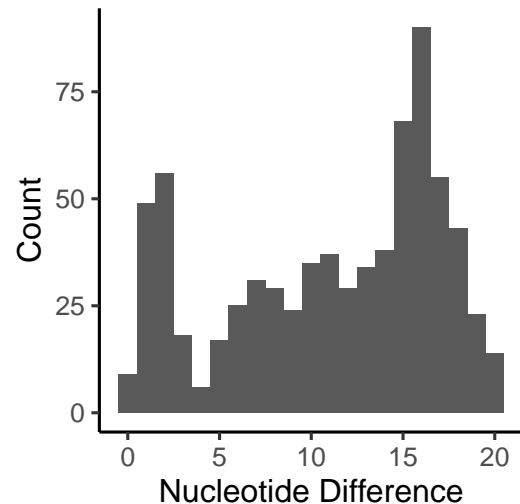
IGHV3-9*01

812 sequences assigned
40 (4.9%) exact matches, in which:
29 unique CDR3
3 unique J



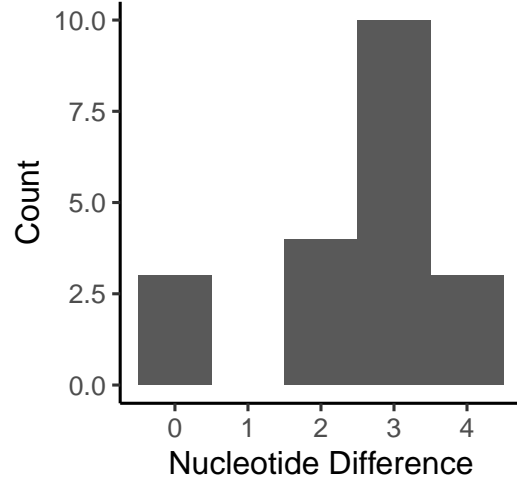
IGHV3-15*01

832 sequences assigned
9 (1.1%) exact matches, in which:
9 unique CDR3
2 unique J



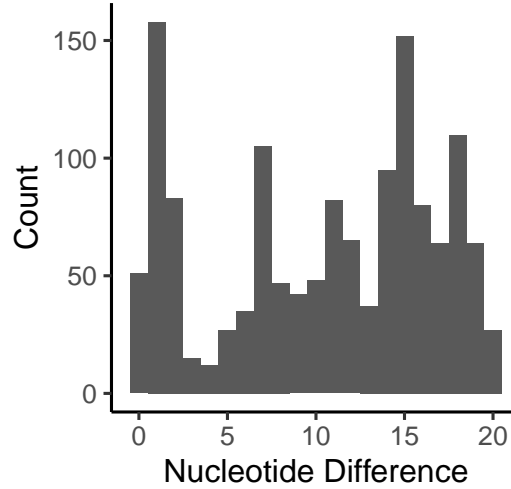
IGHV3-20*01

20 sequences assigned
3 (15%) exact matches, in which:
2 unique CDR3
2 unique J



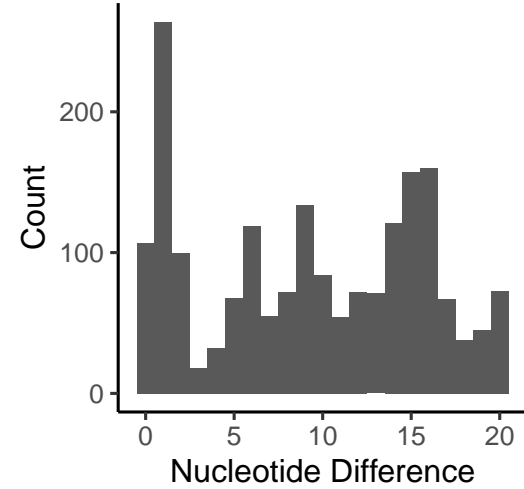
IGHV3-23*04

1962 sequences assigned
51 (2.6%) exact matches, in which:
27 unique CDR3
4 unique J



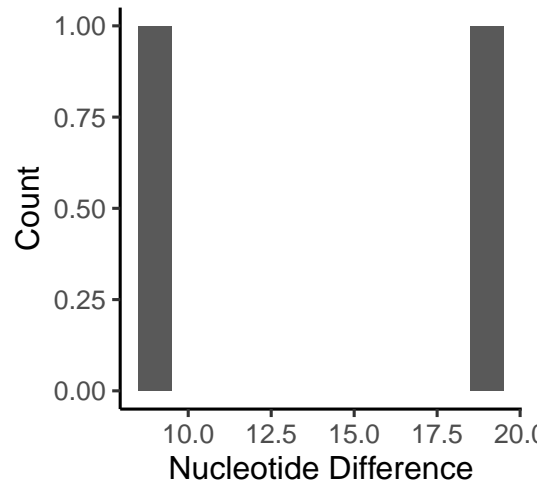
IGHV3-33*01

2772 sequences assigned
107 (3.9%) exact matches, in which:
63 unique CDR3
4 unique J



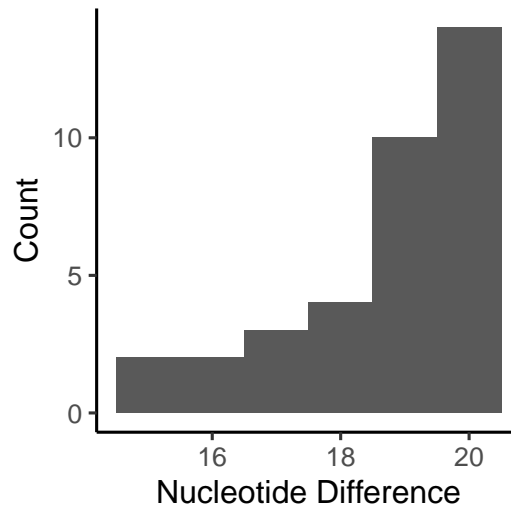
IGHV3-20*04

4 sequences assigned
No exact matches.



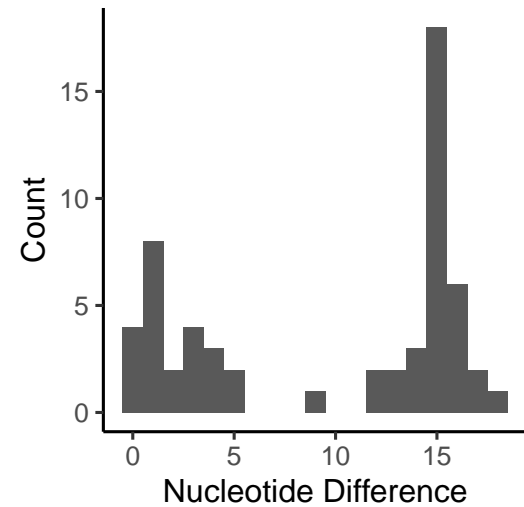
IGHV3-30*03

39 sequences assigned
No exact matches.



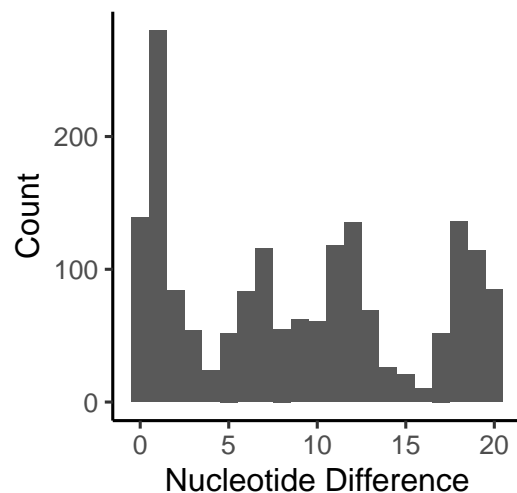
IGHV3-43*01

81 sequences assigned
4 (4.9%) exact matches, in which:
4 unique CDR3
1 unique J



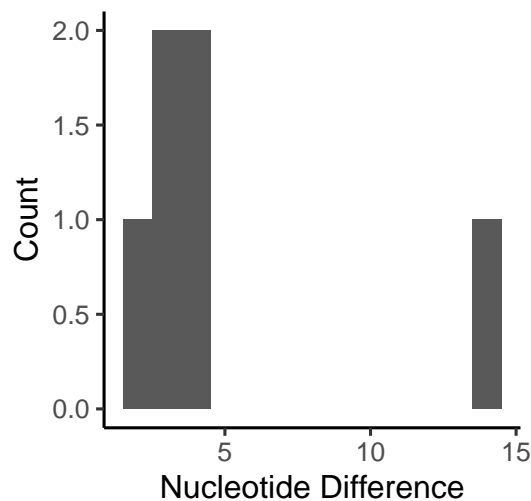
IGHV3-21*01

2179 sequences assigned
139 (6.4%) exact matches, in which:
92 unique CDR3
4 unique J



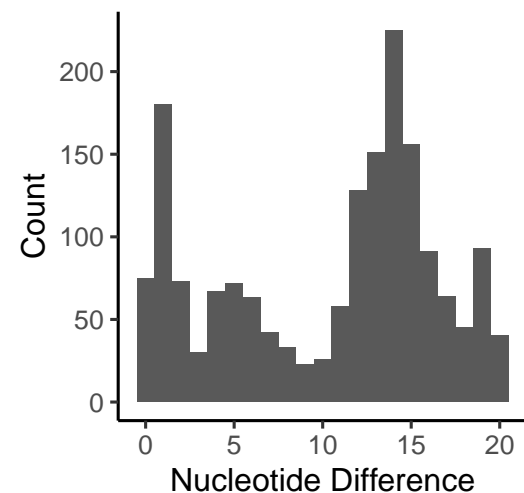
IGHV3-30-3*03

6 sequences assigned
No exact matches.



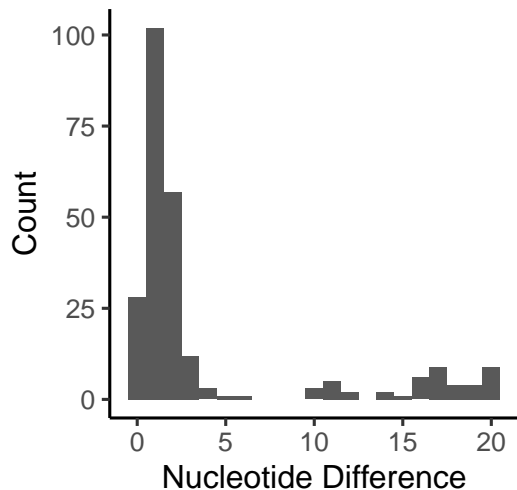
IGHV3-48*02

2104 sequences assigned
75 (3.6%) exact matches, in which:
38 unique CDR3
3 unique J



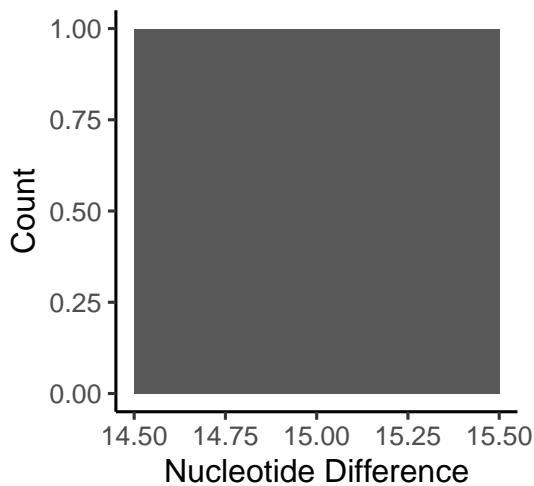
IGHV3-49*05

301 sequences assigned
28 (9.3%) exact matches, in which:
16 unique CDR3
2 unique J



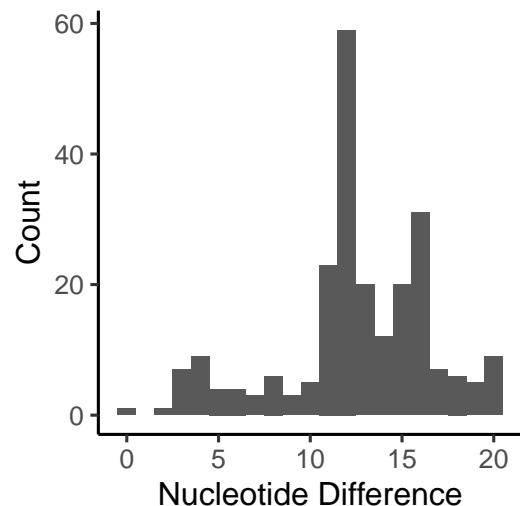
IGHV3-66*03

1 sequences assigned
No exact matches.



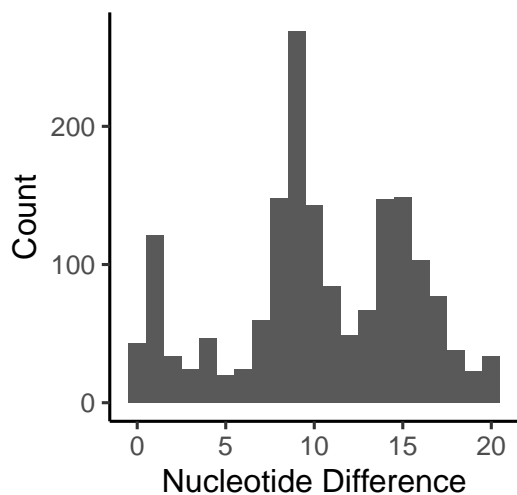
IGHV3-72*01

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



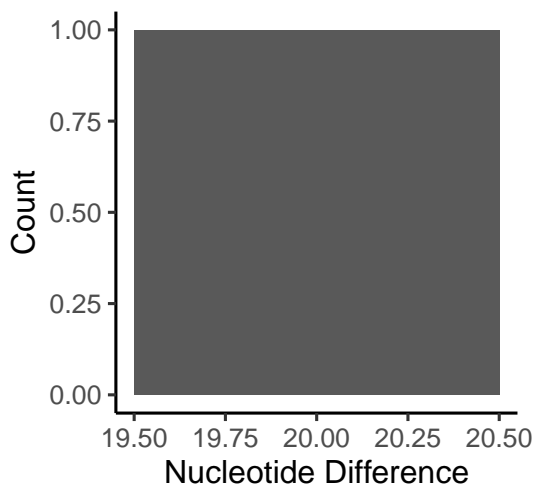
IGHV3-53*01

2451 sequences assigned
43 (1.8%) exact matches, in which:
27 unique CDR3
5 unique J



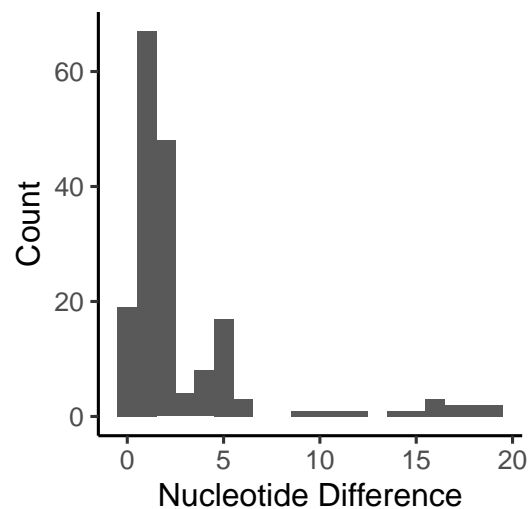
IGHV3-66*04

1 sequences assigned
No exact matches.



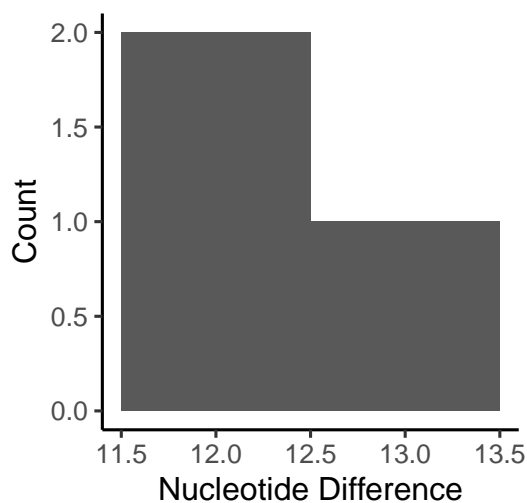
IGHV3-73*02

193 sequences assigned
19 (9.8%) exact matches, in which:
13 unique CDR3
2 unique J



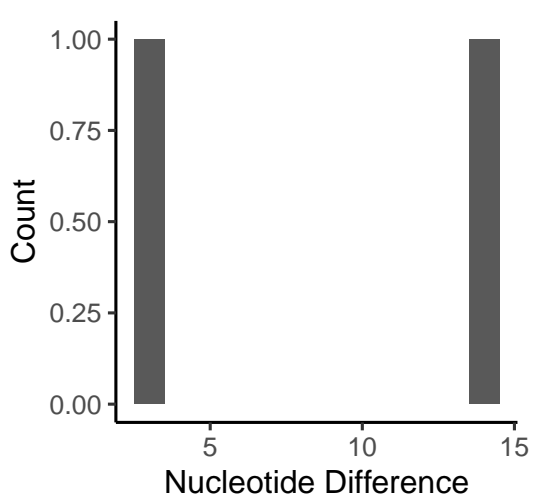
IGHV3-64*02

3 sequences assigned
No exact matches.



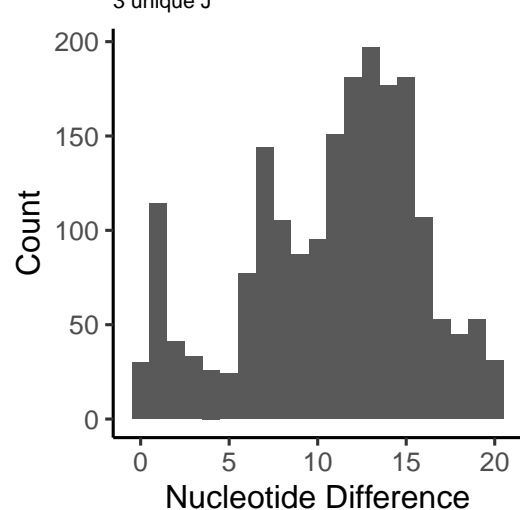
IGHV3-69-1*01

2 sequences assigned
No exact matches.



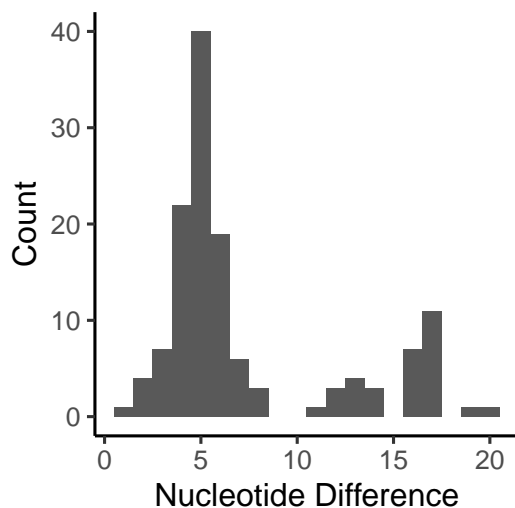
IGHV3-74*01

2287 sequences assigned
30 (1.3%) exact matches, in which:
19 unique CDR3
3 unique J



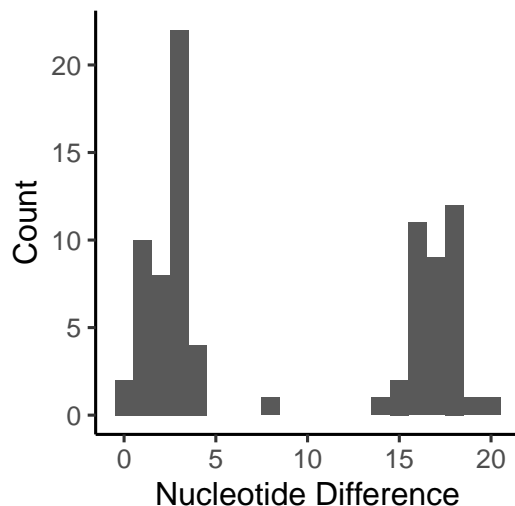
IGHV4-4*02

227 sequences assigned
No exact matches.



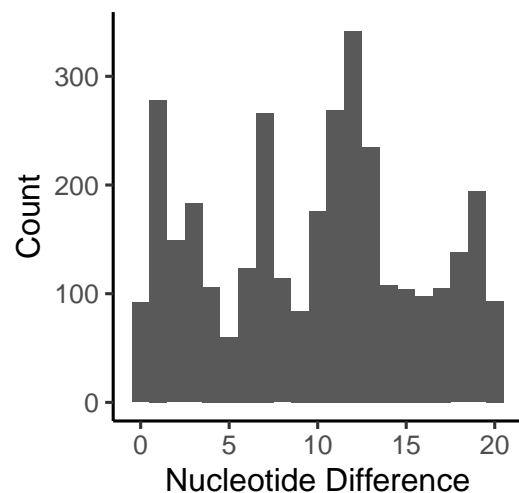
IGHV4-30-2*01

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



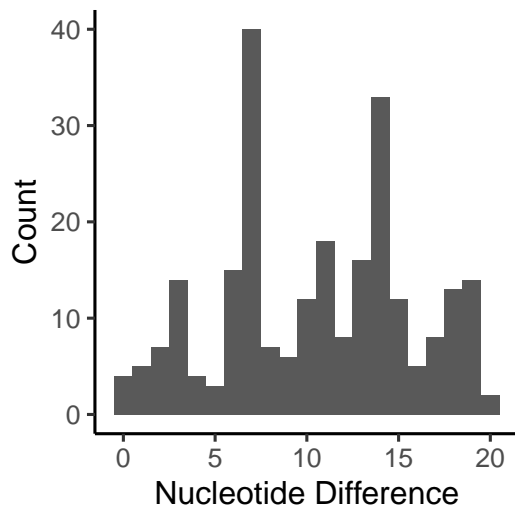
IGHV4-39*01

3987 sequences assigned
92 (2.3%) exact matches, in which:
56 unique CDR3
5 unique J



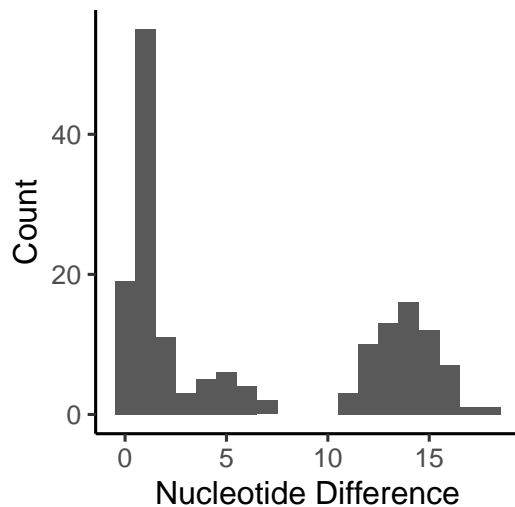
IGHV4-4*07

298 sequences assigned
4 (1.3%) exact matches, in which:
4 unique CDR3
1 unique J



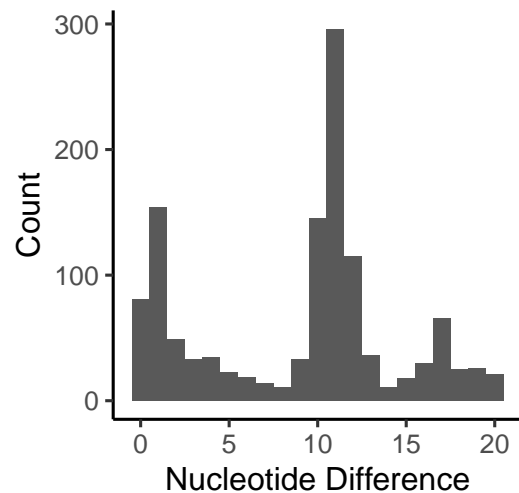
IGHV4-31*03

248 sequences assigned
19 (7.7%) exact matches, in which:
10 unique CDR3
3 unique J



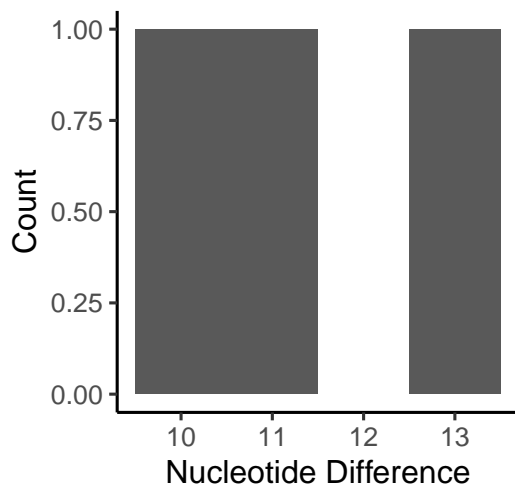
IGHV4-59*01

1683 sequences assigned
81 (4.8%) exact matches, in which:
37 unique CDR3
4 unique J



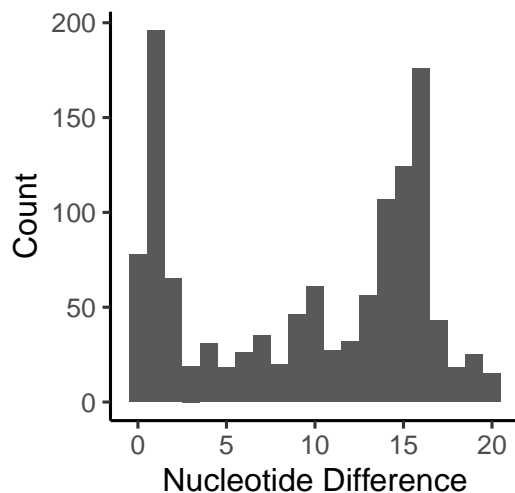
IGHV4-28*01

4 sequences assigned
No exact matches.



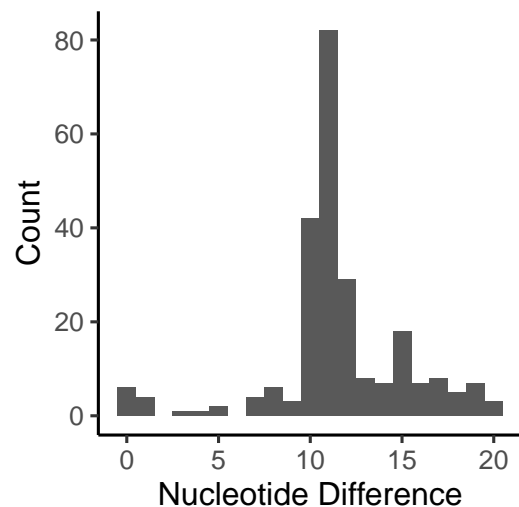
IGHV4-34*01

1715 sequences assigned
78 (4.5%) exact matches, in which:
55 unique CDR3
3 unique J



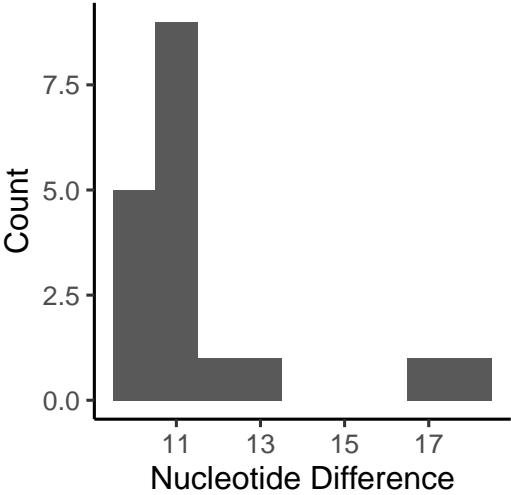
IGHV4-61*01

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



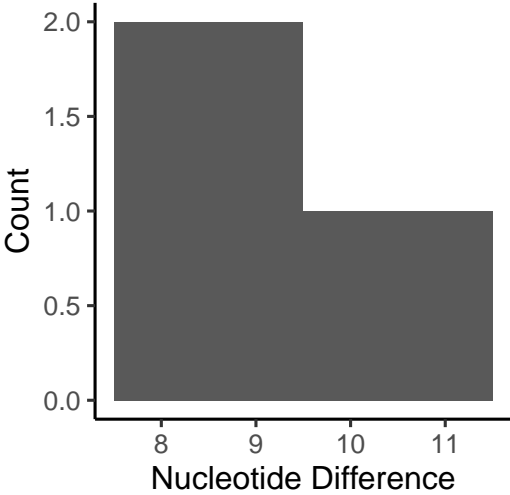
IGHV4-61*08

34 sequences assigned
No exact matches.



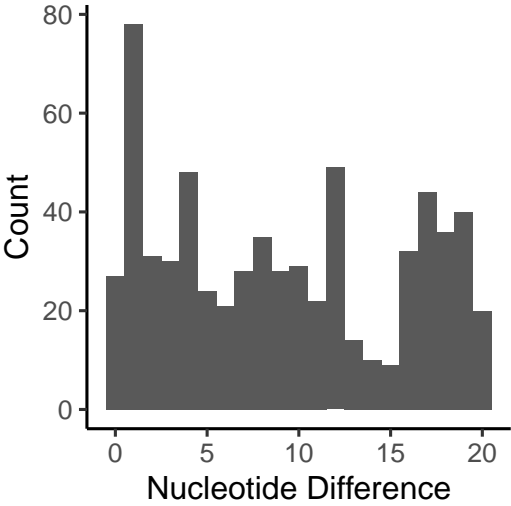
IGHV7-4-1*01

6 sequences assigned
No exact matches.



IGHV5-51*01

1353 sequences assigned
27 (2%) exact matches, in which:
16 unique CDR3
5 unique J



IGHV6-1*01

1899 sequences assigned
63 (3.3%) exact matches, in which:
27 unique CDR3
3 unique J

