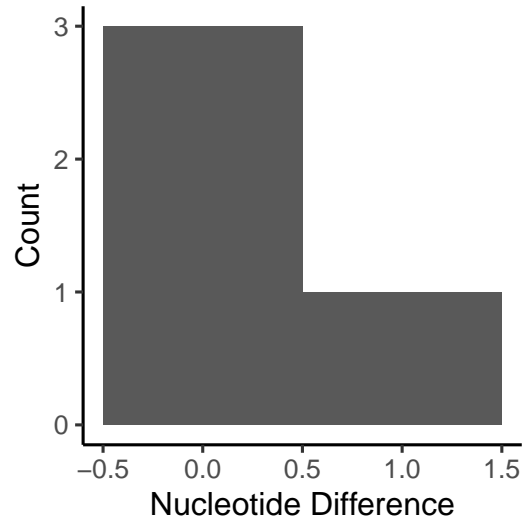


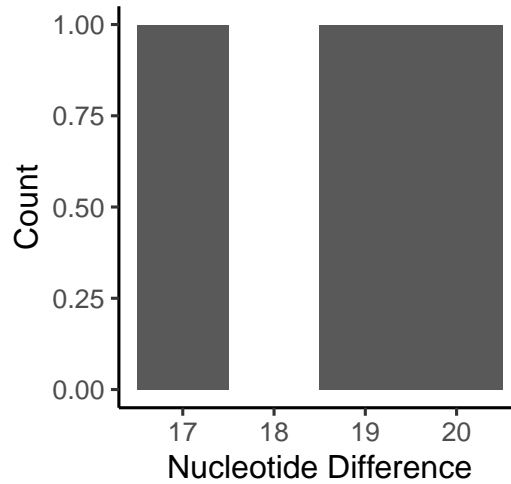
IGHV1-2*04

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



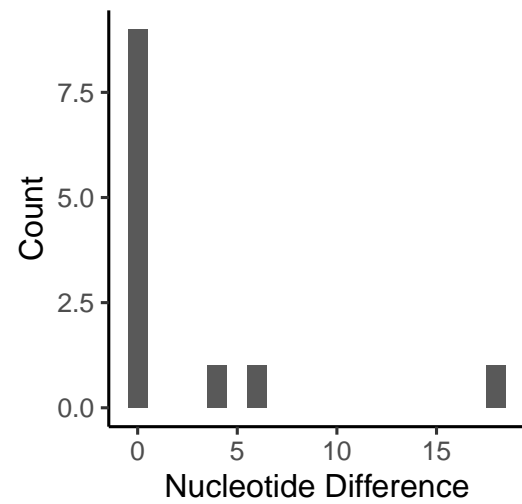
IGHV1-8*01

3 sequences assigned
No exact matches.



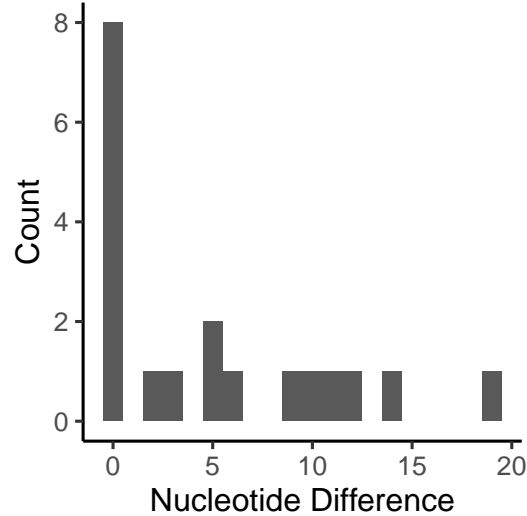
IGHV1-46*01

14 sequences assigned
9 (64.3%) exact matches, in which:
9 unique CDR3
4 unique J



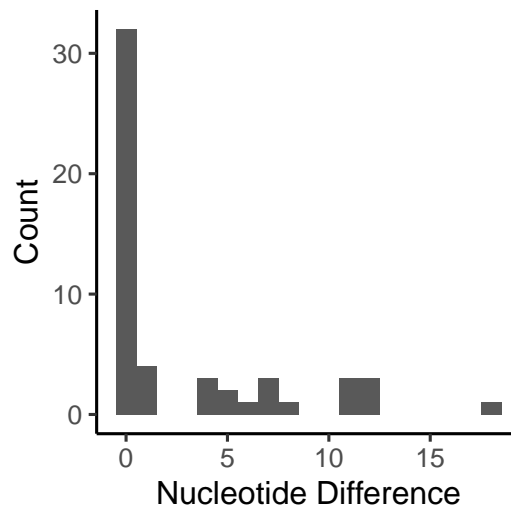
IGHV1-2*06

21 sequences assigned
8 (38.1%) exact matches, in which:
8 unique CDR3
5 unique J



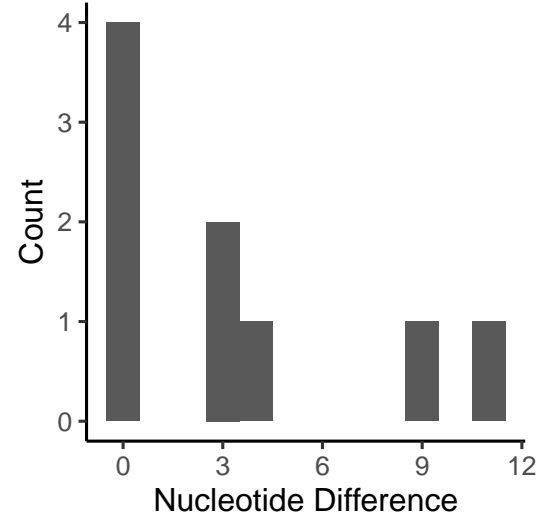
IGHV1-18*01

57 sequences assigned
32 (56.1%) exact matches, in which:
32 unique CDR3
5 unique J



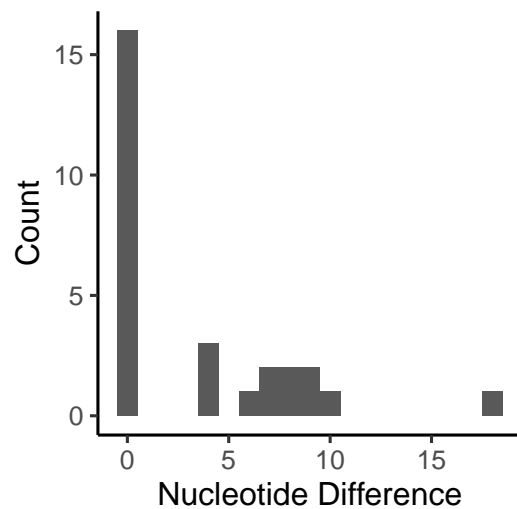
IGHV1-46*03

9 sequences assigned
4 (44.4%) exact matches, in which:
4 unique CDR3
2 unique J



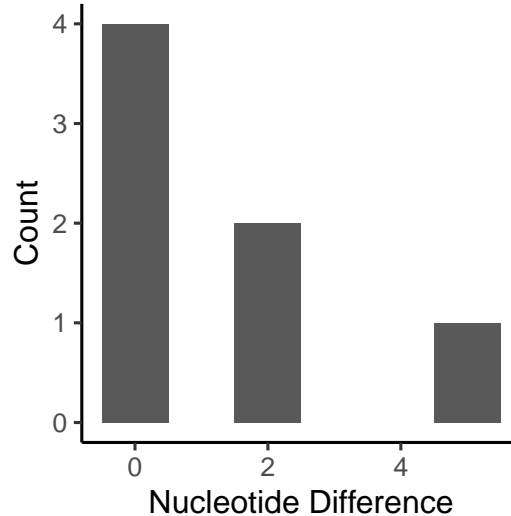
IGHV1-3*01

28 sequences assigned
16 (57.1%) exact matches, in which:
16 unique CDR3
5 unique J



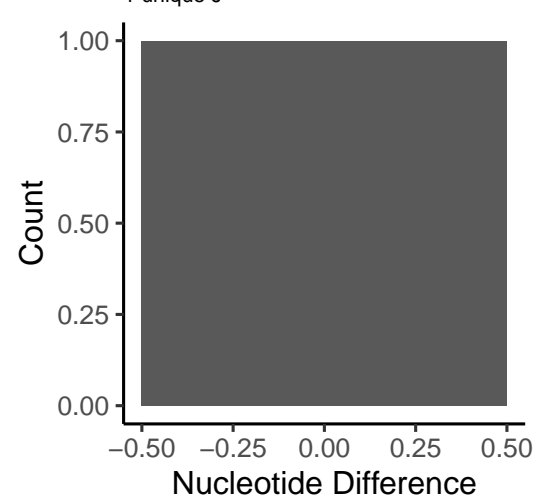
IGHV1-24*01

8 sequences assigned
4 (50%) exact matches, in which:
4 unique CDR3
2 unique J



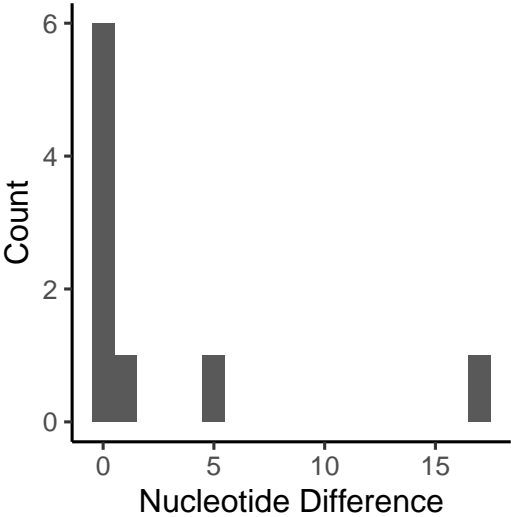
IGHV1-58*02

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



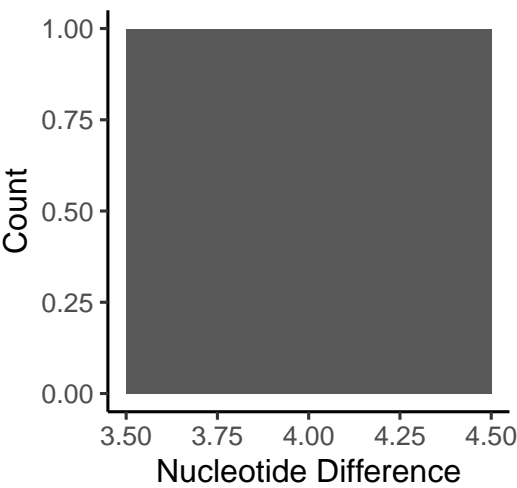
IGHV1-69*04

9 sequences assigned
6 (66.7%) exact matches, in which:
6 unique CDR3
3 unique J



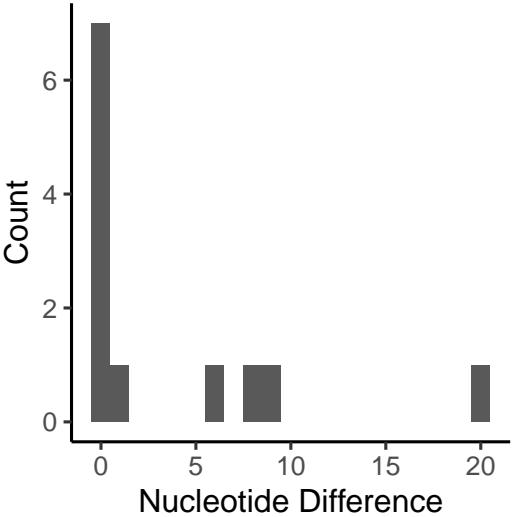
IGHV1-NL1*01

1 sequences assigned
No exact matches.



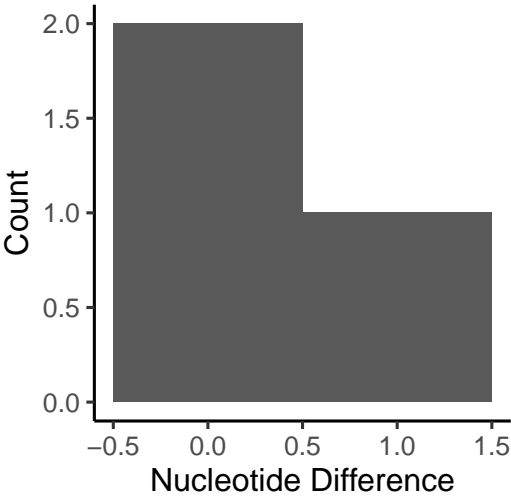
IGHV2-70*15

12 sequences assigned
7 (58.3%) exact matches, in which:
7 unique CDR3
3 unique J



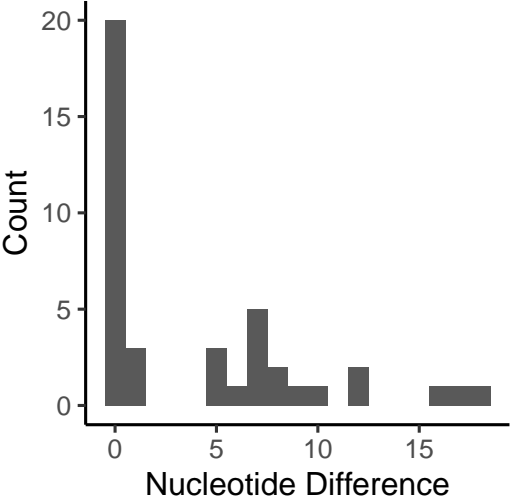
IGHV1-69*10

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



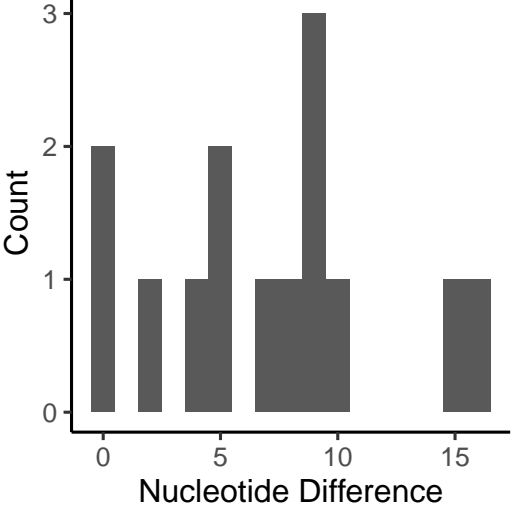
IGHV2-5*02

43 sequences assigned
20 (46.5%) exact matches, in which:
20 unique CDR3
2 unique J



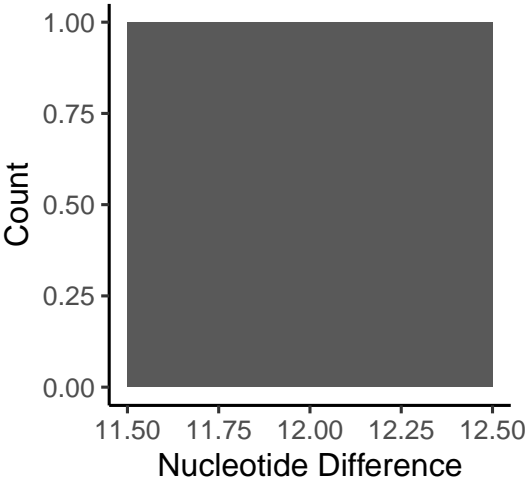
IGHV3-7*01

14 sequences assigned
2 (14.3%) exact matches, in which:
2 unique CDR3
2 unique J



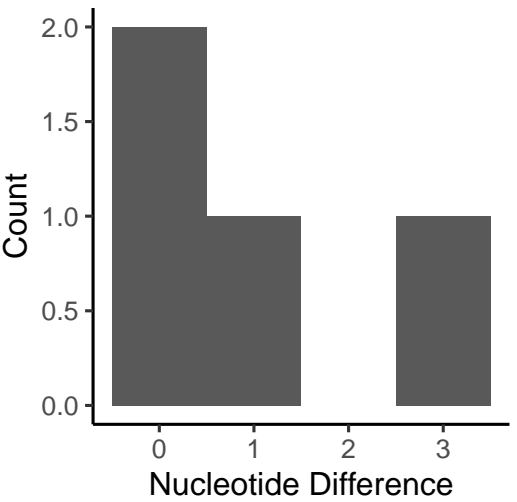
IGHV1-69D*01

1 sequences assigned
No exact matches.



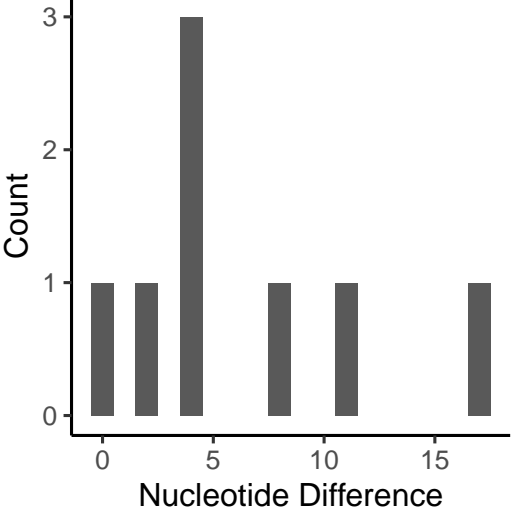
IGHV2-26*01

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



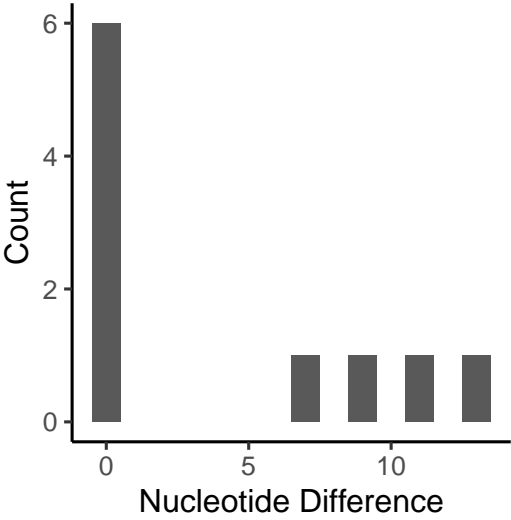
IGHV3-7*04

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



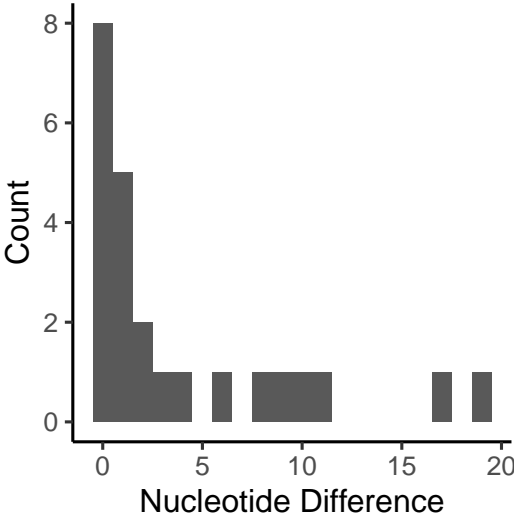
IGHV3-9*01

10 sequences assigned
6 (60%) exact matches, in which:
6 unique CDR3
3 unique J



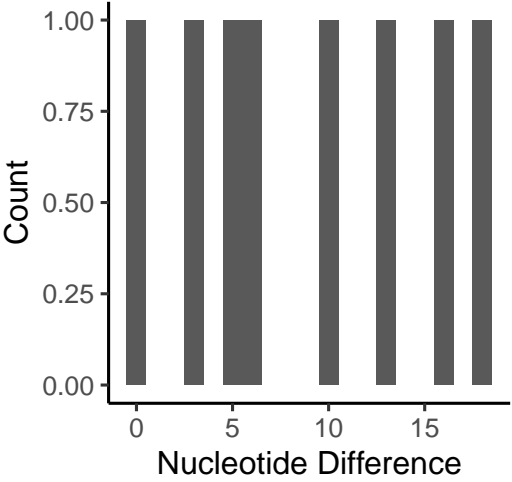
IGHV3-15*07

29 sequences assigned
8 (27.6%) exact matches, in which:
8 unique CDR3
3 unique J



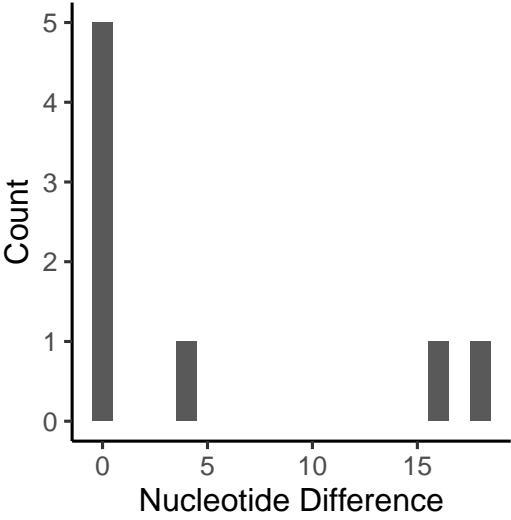
IGHV3-23*04

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



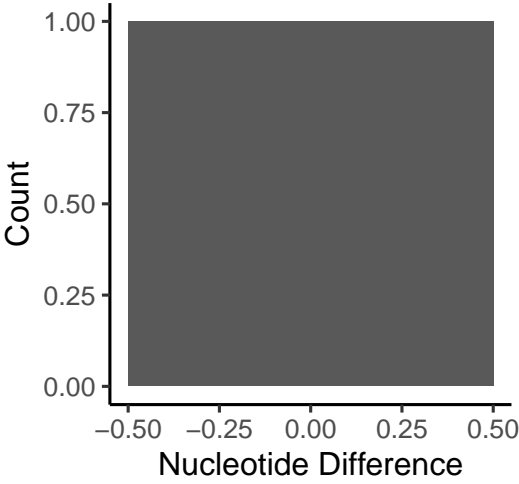
IGHV3-11*01

8 sequences assigned
5 (62.5%) exact matches, in which:
5 unique CDR3
3 unique J



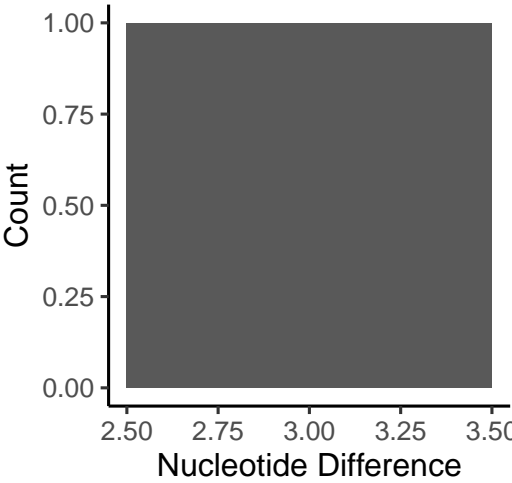
IGHV3-20*04

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



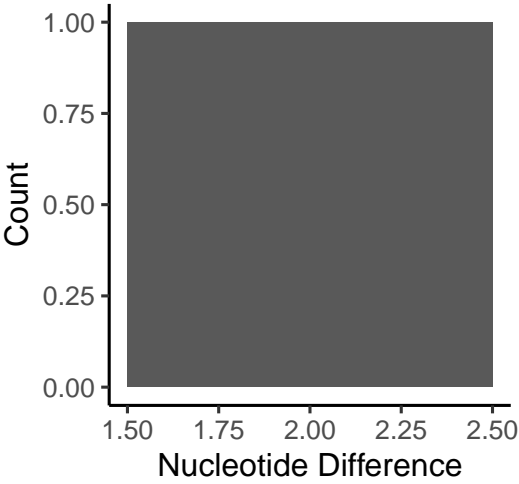
IGHV3-30-5*01

1 sequences assigned
No exact matches.



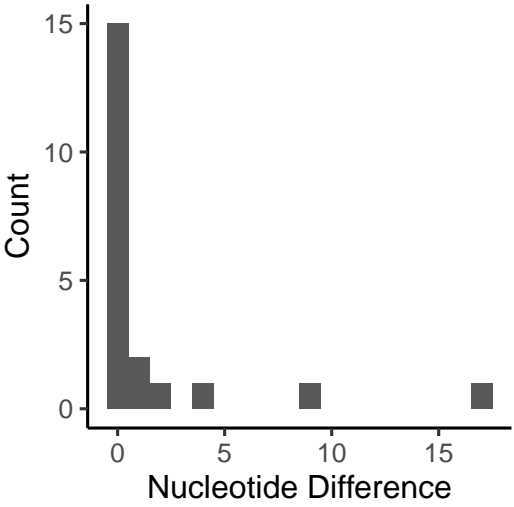
IGHV3-13*01

2 sequences assigned
No exact matches.



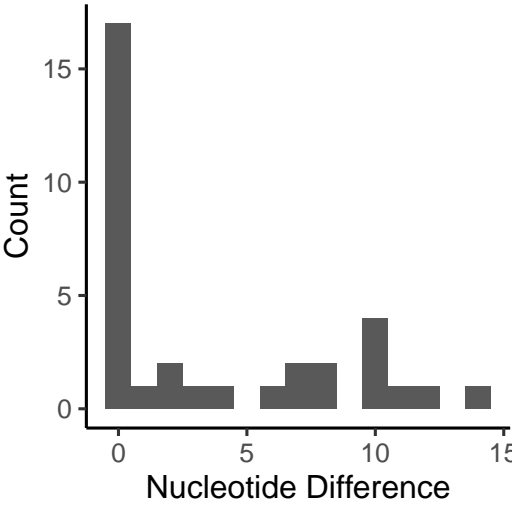
IGHV3-21*01

21 sequences assigned
15 (71.4%) exact matches, in which:
15 unique CDR3
4 unique J



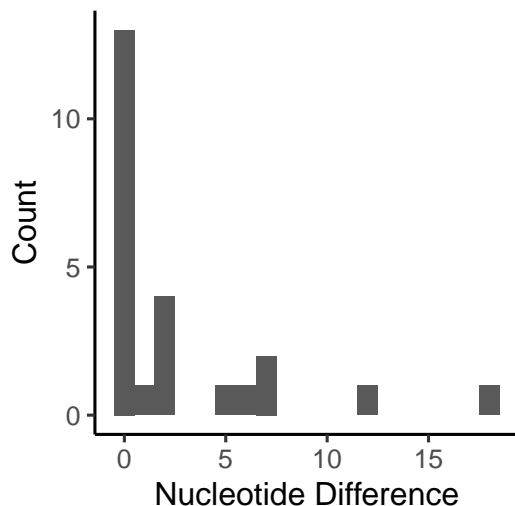
IGHV3-33*01

34 sequences assigned
17 (50%) exact matches, in which:
17 unique CDR3
4 unique J



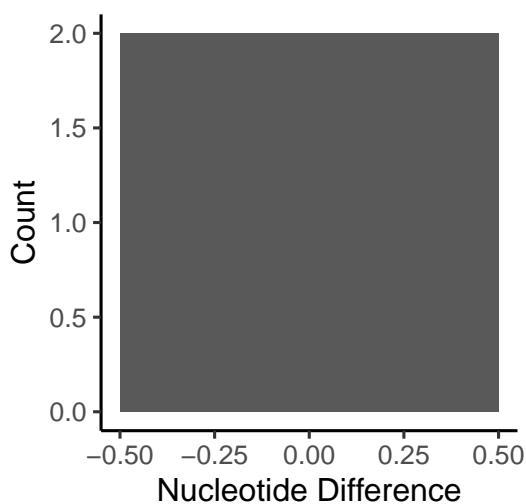
IGHV3-48*01

24 sequences assigned
13 (54.2%) exact matches, in which:
13 unique CDR3
4 unique J



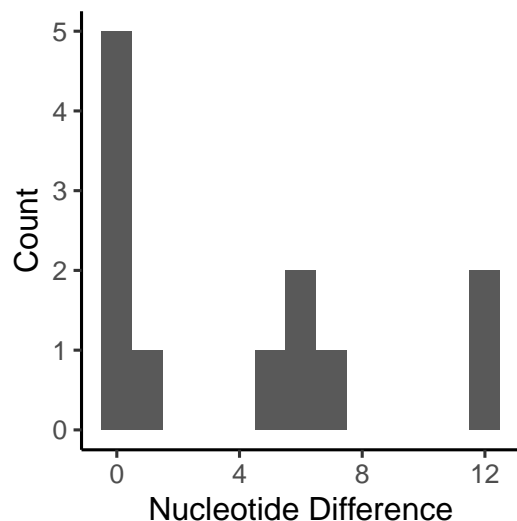
IGHV3-53*04

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



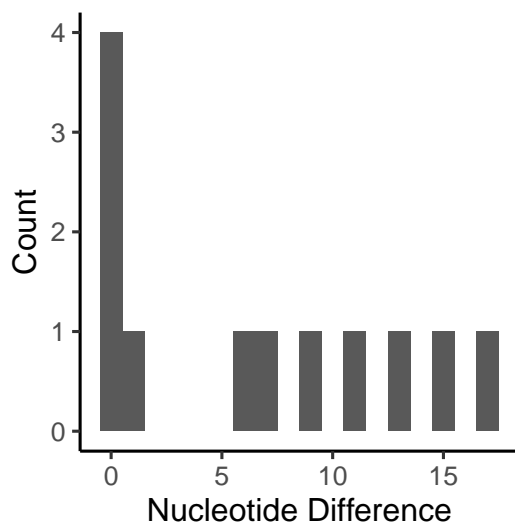
IGHV3-66*01

12 sequences assigned
5 (41.7%) exact matches, in which:
5 unique CDR3
2 unique J



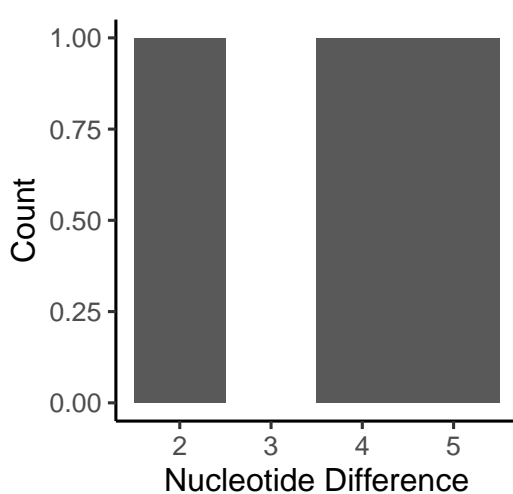
IGHV3-48*04

12 sequences assigned
4 (33.3%) exact matches, in which:
4 unique CDR3
2 unique J



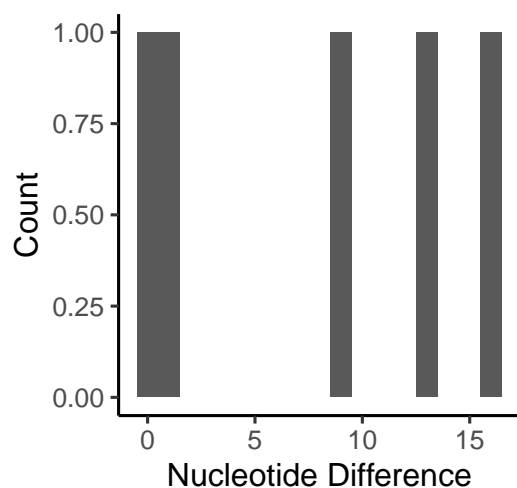
IGHV3-64*01

3 sequences assigned
No exact matches.



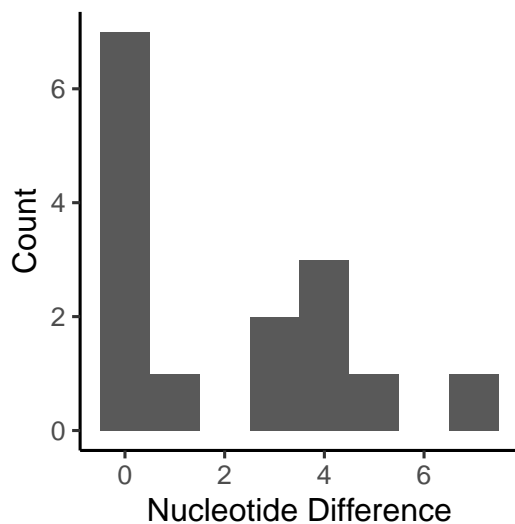
IGHV3-72*01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



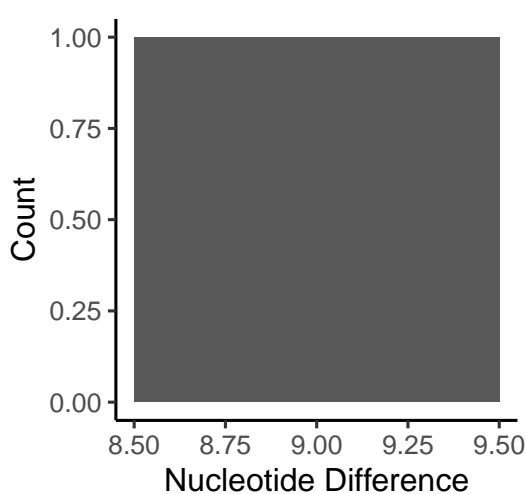
IGHV3-49*03

15 sequences assigned
7 (46.7%) exact matches, in which:
7 unique CDR3
4 unique J



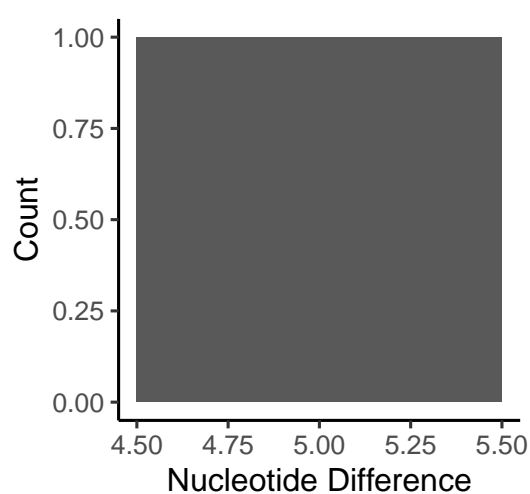
IGHV3-64*07

1 sequences assigned
No exact matches.



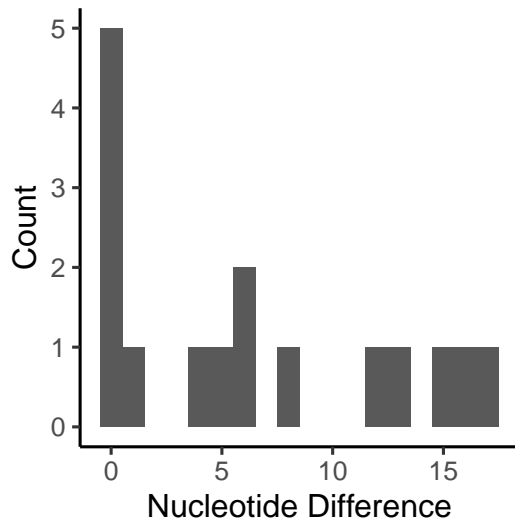
IGHV3-73*01

1 sequences assigned
No exact matches.



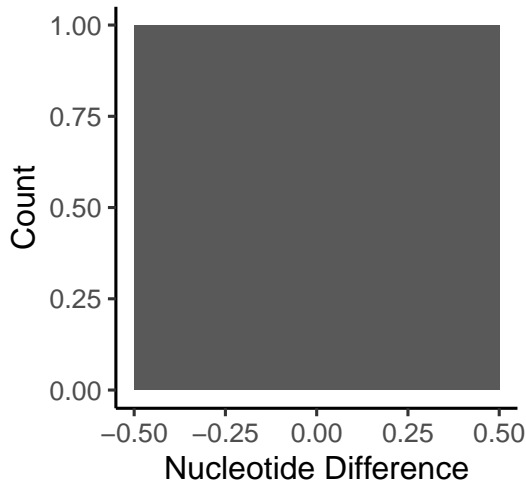
IGHV3-74*01

18 sequences assigned
5 (27.8%) exact matches, in which:
5 unique CDR3
2 unique J



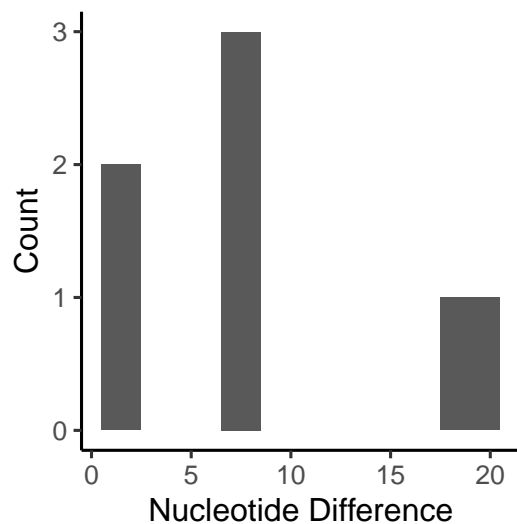
IGHV4-30-2*01

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



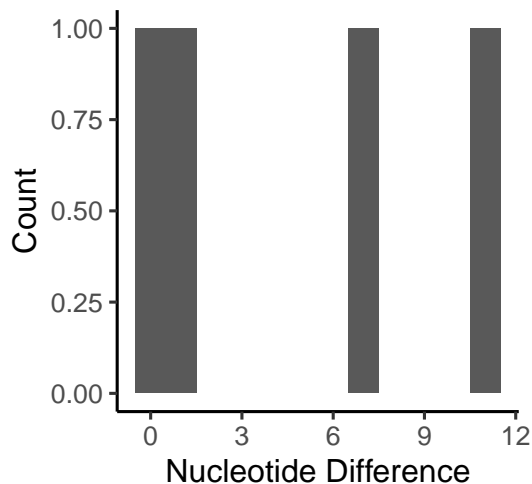
IGHV4-38-2*02

13 sequences assigned
No exact matches.



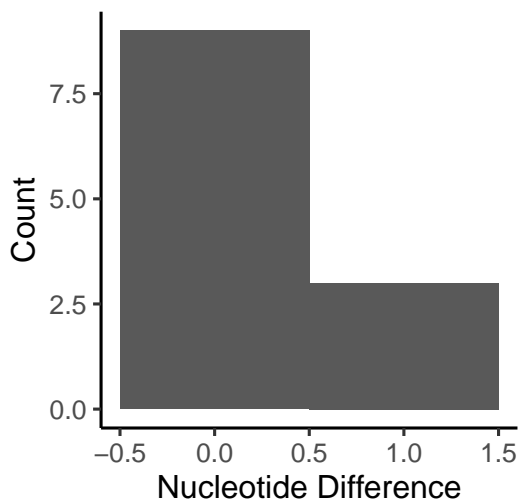
IGHV3-64D*06

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



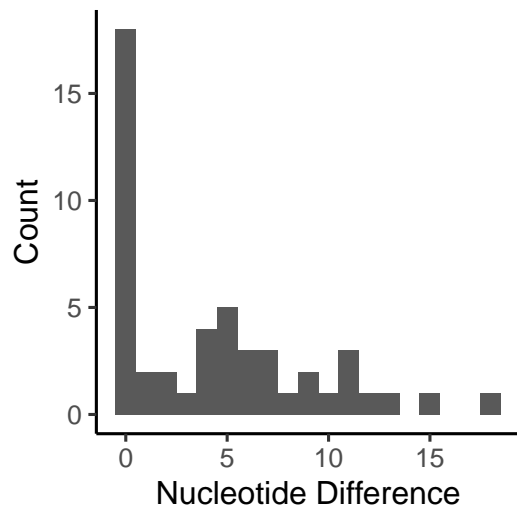
IGHV4-31*03

12 sequences assigned
9 (75%) exact matches, in which:
9 unique CDR3
3 unique J



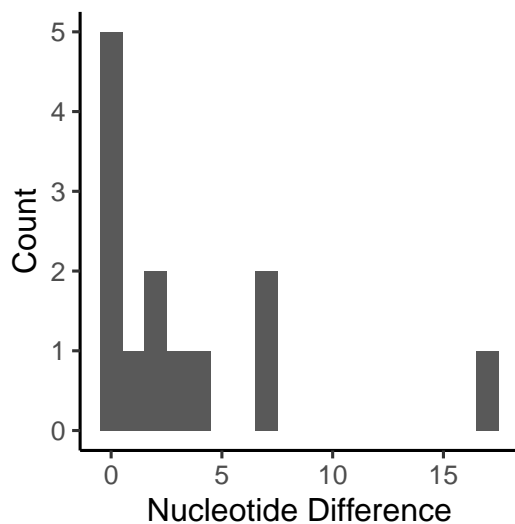
IGHV4-39*01

51 sequences assigned
18 (35.3%) exact matches, in which:
17 unique CDR3
5 unique J



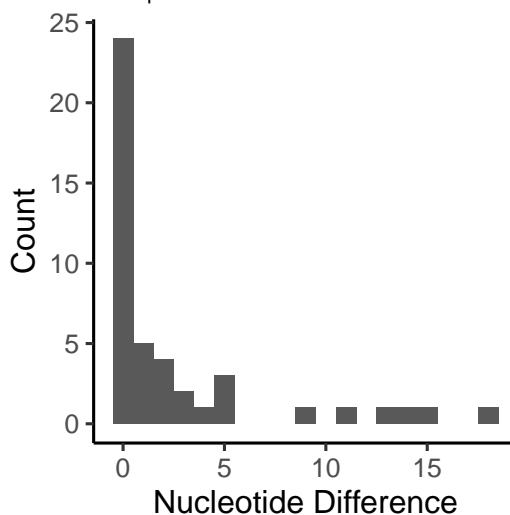
IGHV4-4*02

13 sequences assigned
5 (38.5%) exact matches, in which:
5 unique CDR3
3 unique J



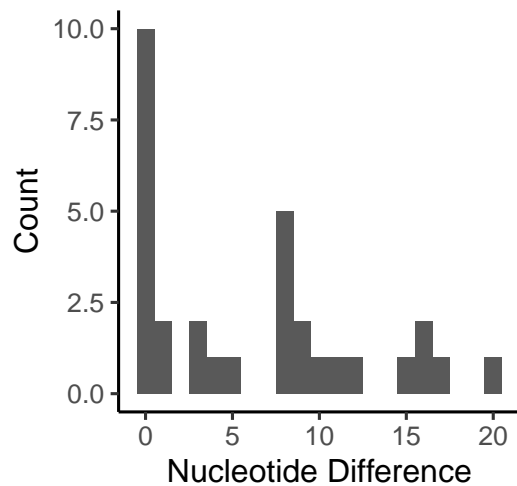
IGHV4-34*01

49 sequences assigned
24 (49%) exact matches, in which:
24 unique CDR3
5 unique J



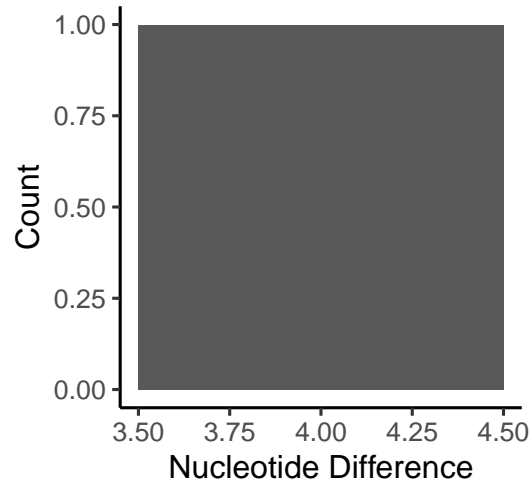
IGHV4-39*07

34 sequences assigned
10 (29.4%) exact matches, in which:
10 unique CDR3
4 unique J



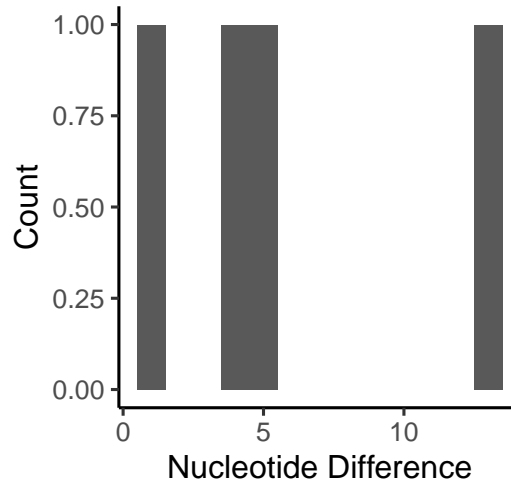
IGHV4-55*08

1 sequences assigned
No exact matches.



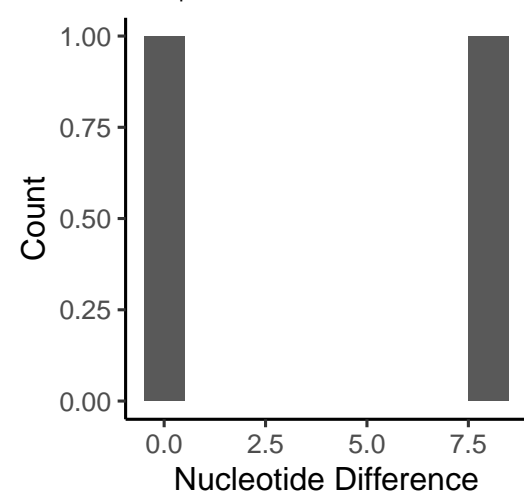
IGHV4-59*12

4 sequences assigned
No exact matches.



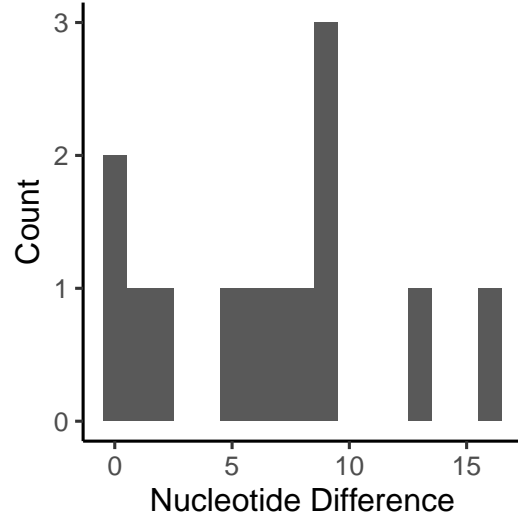
IGHV5-10-1*03

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



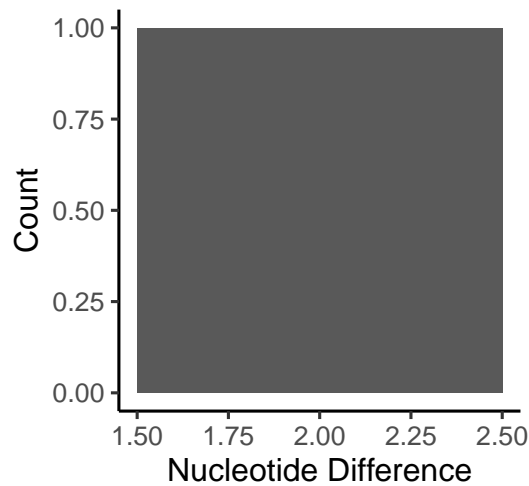
IGHV4-59*01

13 sequences assigned
2 (15.4%) exact matches, in which:
2 unique CDR3
2 unique J



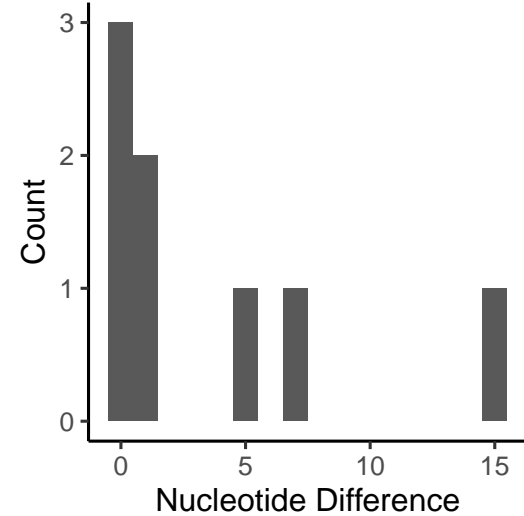
IGHV4-61*01

1 sequences assigned
No exact matches.



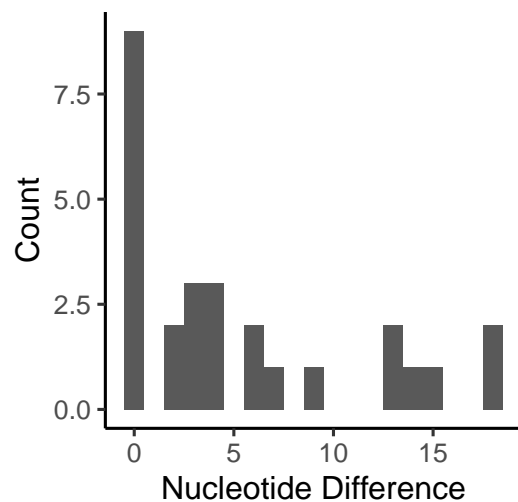
IGHV5-51*01

9 sequences assigned
3 (33.3%) exact matches, in which:
3 unique CDR3
2 unique J



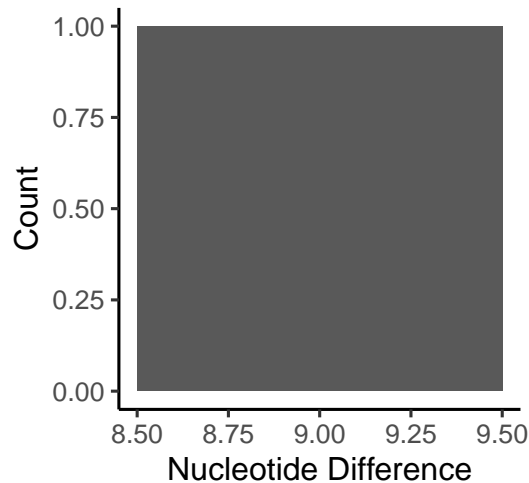
IGHV4-59*08

28 sequences assigned
9 (32.1%) exact matches, in which:
9 unique CDR3
3 unique J



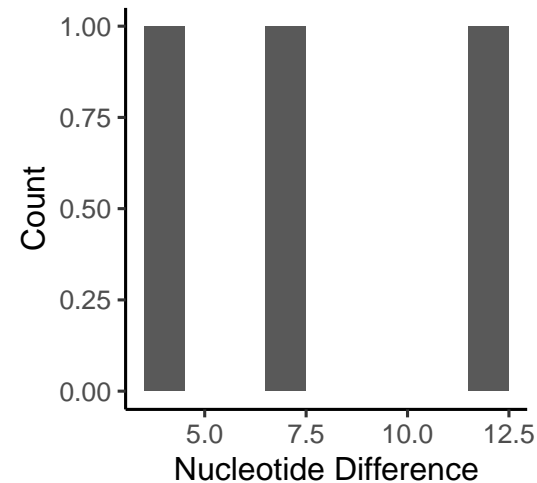
IGHV5-10-1*01

1 sequences assigned
No exact matches.



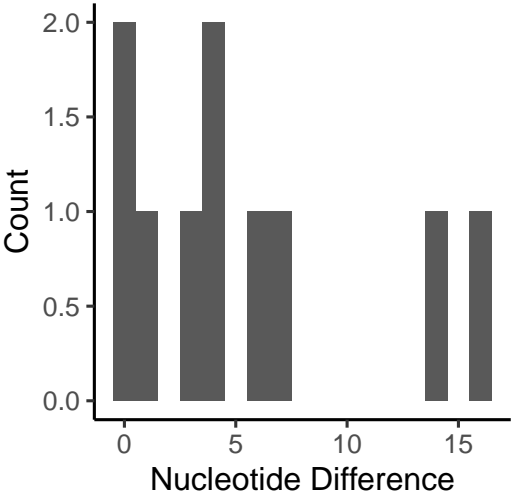
IGHV5-51*02

3 sequences assigned
No exact matches.



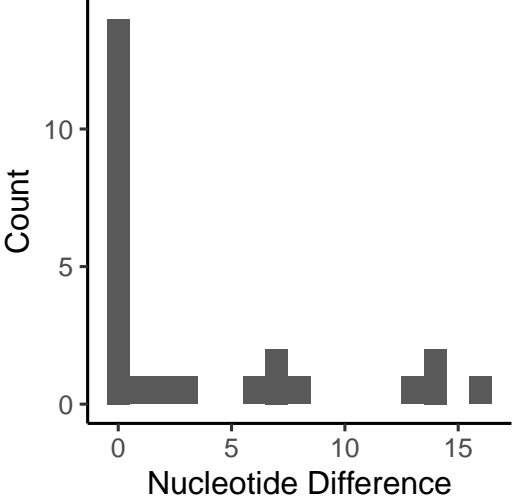
IGHV5-51*03

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



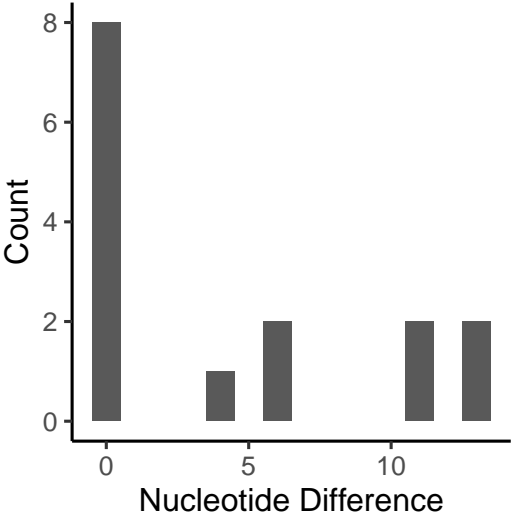
IGHV7-4-1*02

25 sequences assigned
14 (56%) exact matches, in which:
14 unique CDR3
3 unique J



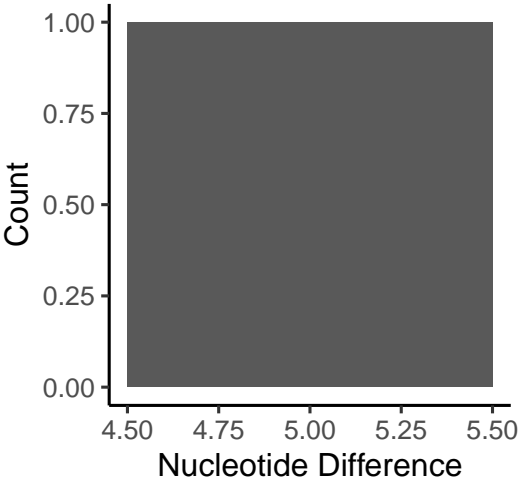
IGHV6-1*01

15 sequences assigned
8 (53.3%) exact matches, in which:
8 unique CDR3
3 unique J



IGHV3/OR16-9*01

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.