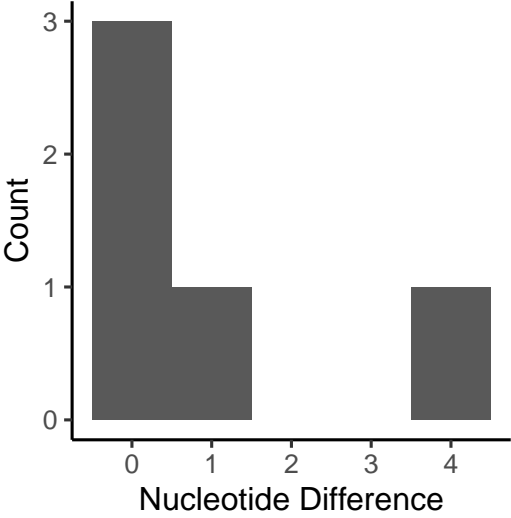


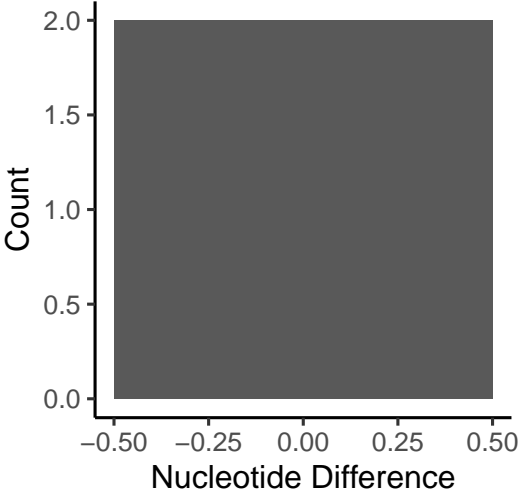
IGHV1-2*04

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



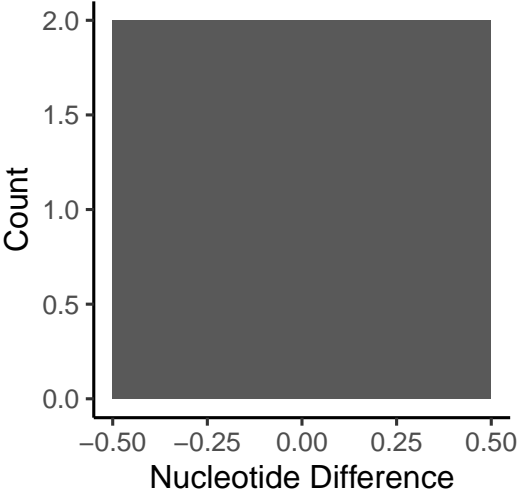
IGHV1-24*01

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



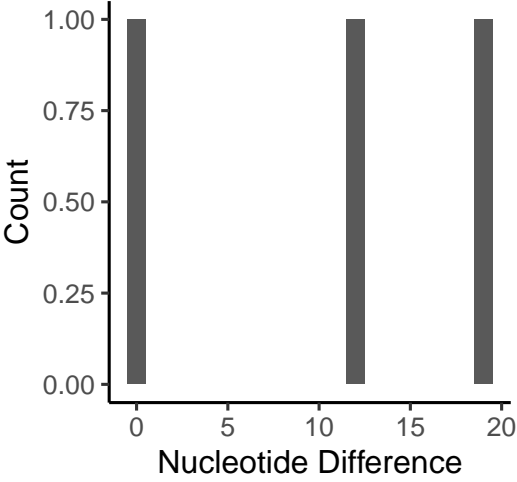
IGHV1-69*04

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



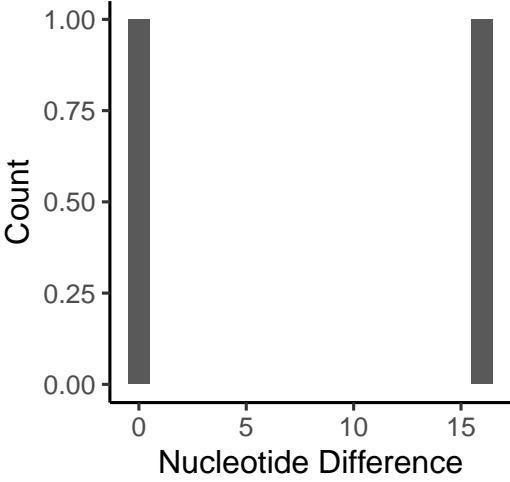
IGHV1-3*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



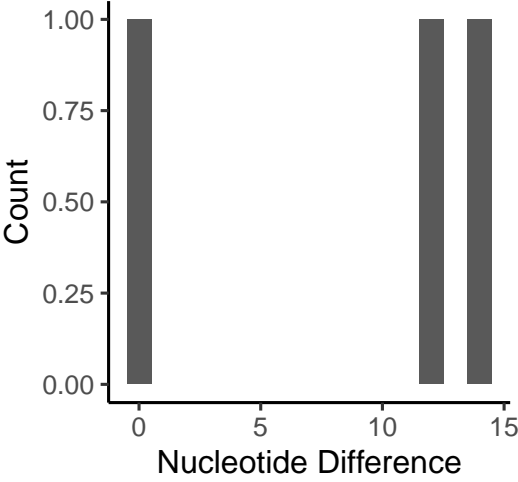
IGHV1-46*03

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



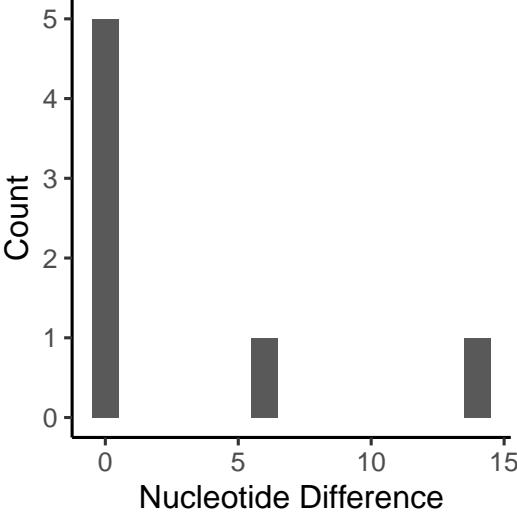
IGHV2-5*02

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



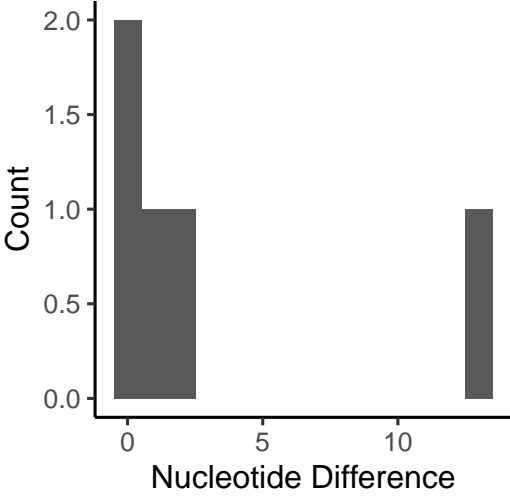
IGHV1-18*04

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
5 unique J



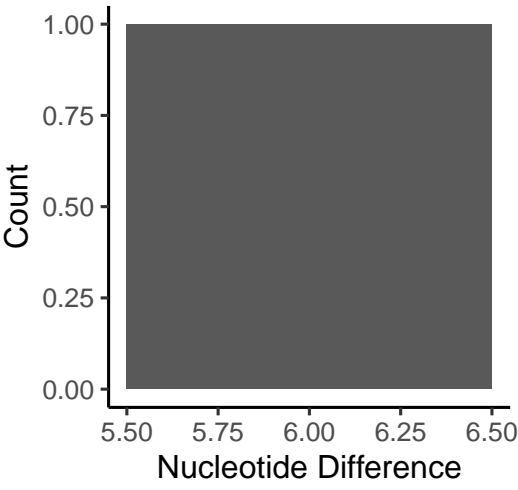
IGHV1-69*01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
1 unique J



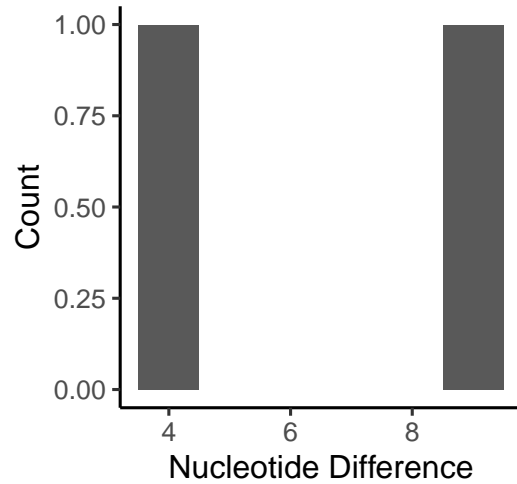
IGHV2-26*01

1 sequences assigned
No exact matches.



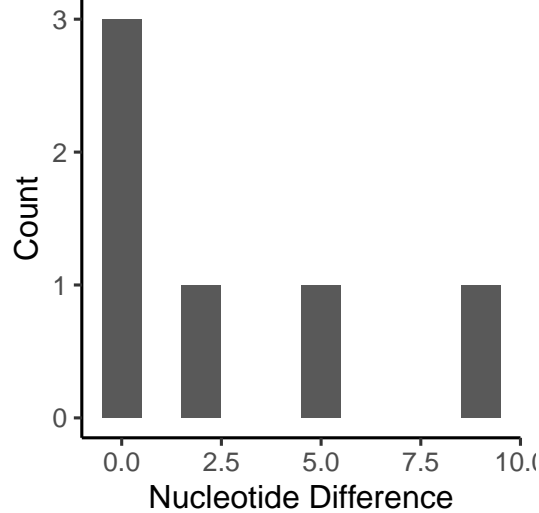
IGHV2-70*15

2 sequences assigned
No exact matches.



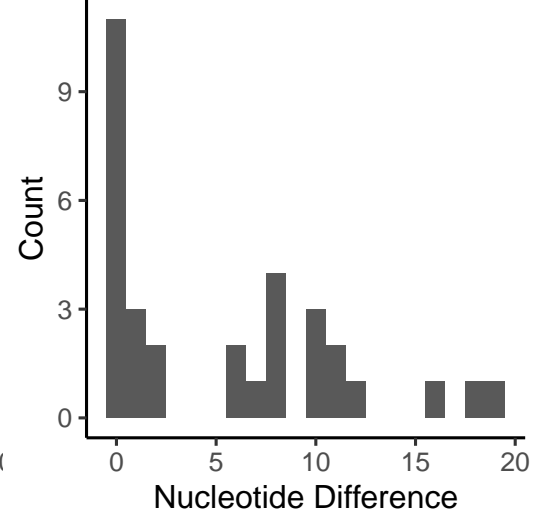
IGHV3-15*01

6 sequences assigned
3 (50%) exact matches, in which:
3 unique CDR3
1 unique J



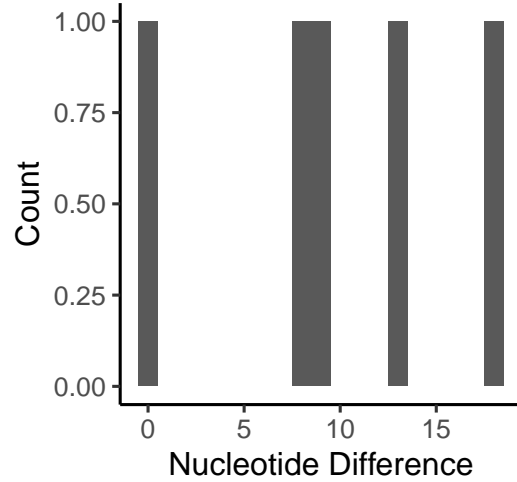
IGHV3-23*01

34 sequences assigned
11 (32.4%) exact matches, in which:
11 unique CDR3
4 unique J



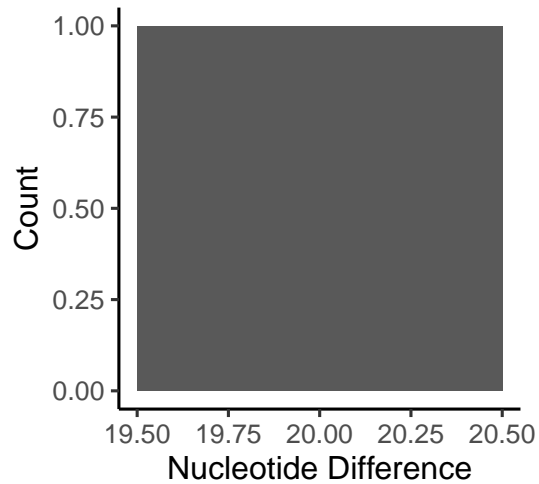
IGHV3-7*03

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



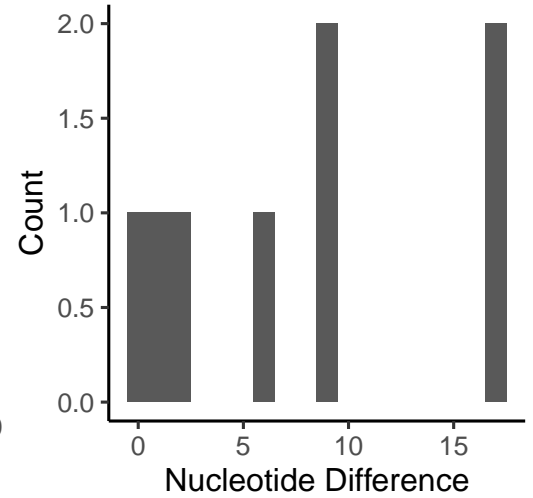
IGHV3-15*02

1 sequences assigned
No exact matches.



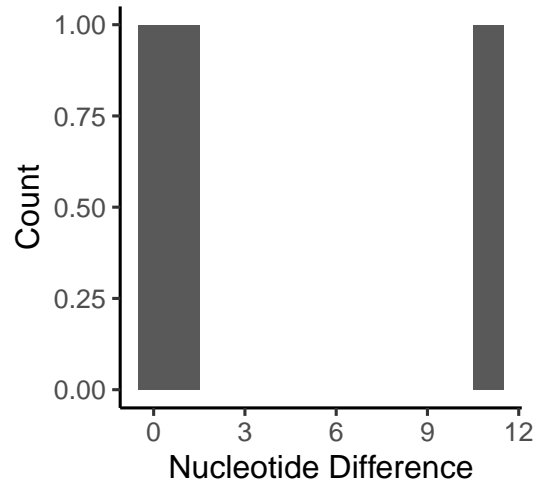
IGHV3-30*01

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
1 unique J



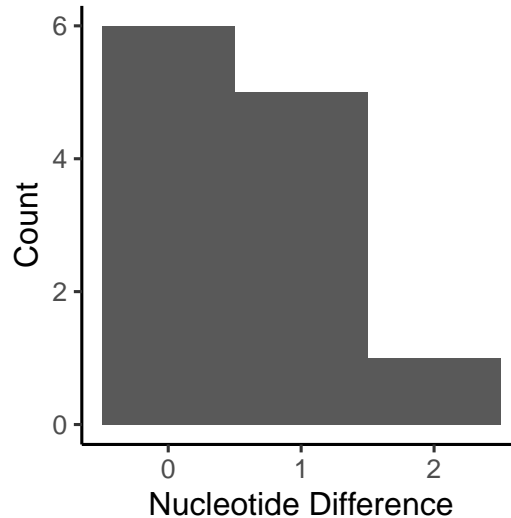
IGHV3-11*06

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



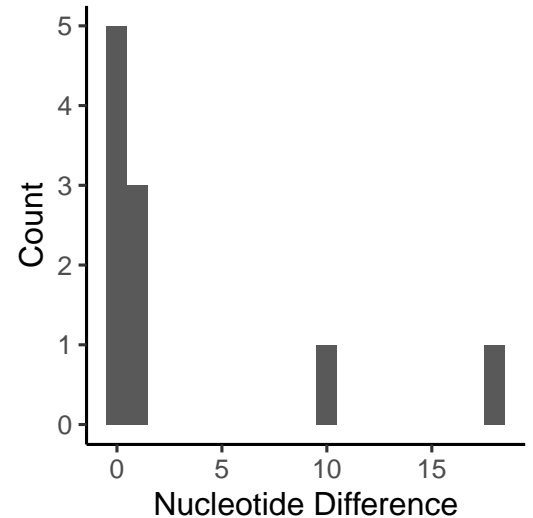
IGHV3-21*01

12 sequences assigned
6 (50%) exact matches, in which:
6 unique CDR3
4 unique J



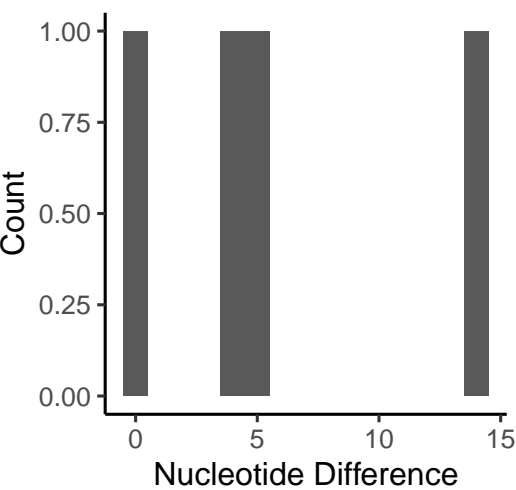
IGHV3-30*04

10 sequences assigned
5 (50%) exact matches, in which:
5 unique CDR3
3 unique J



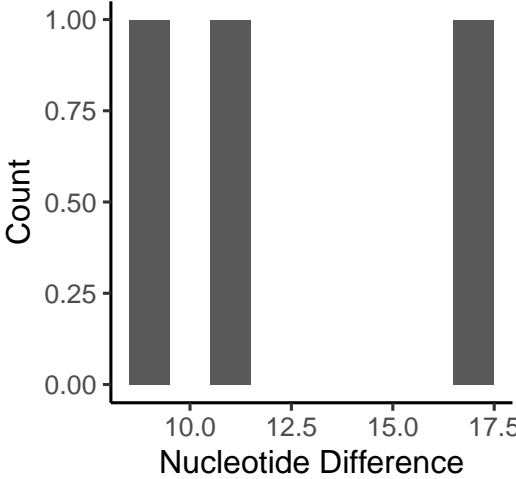
IGHV3-30*18

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



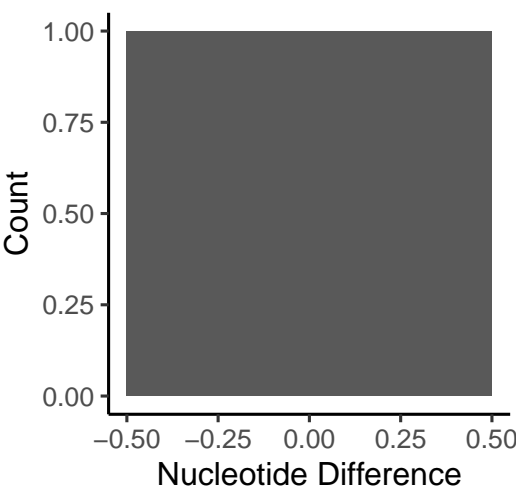
IGHV3-48*01

3 sequences assigned
No exact matches.



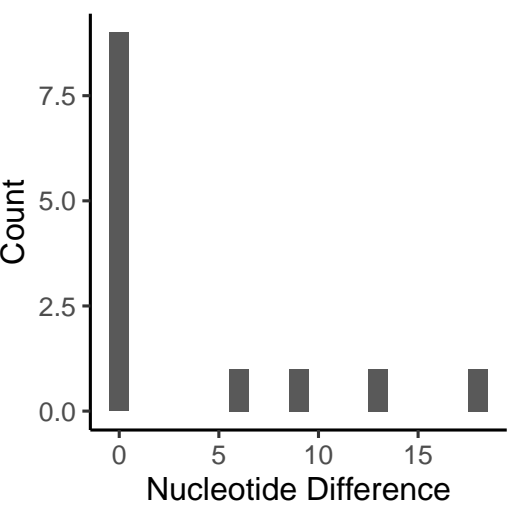
IGHV3-49*03

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



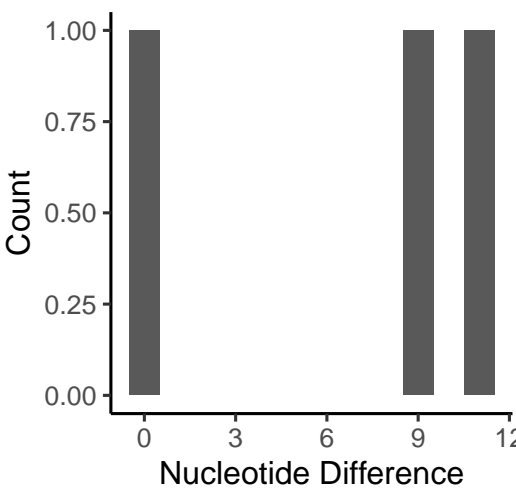
IGHV3-33*01

13 sequences assigned
9 (69.2%) exact matches, in which:
9 unique CDR3
3 unique J



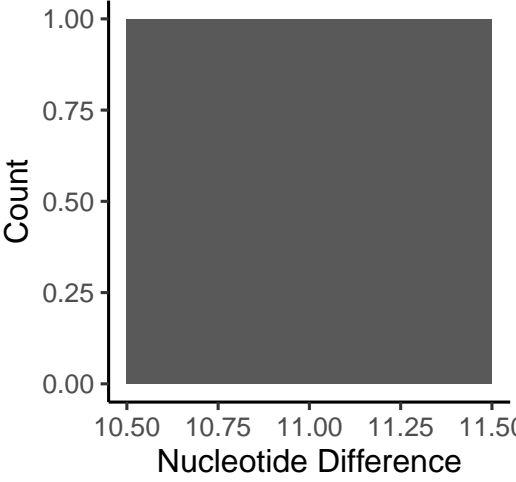
IGHV3-48*02

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



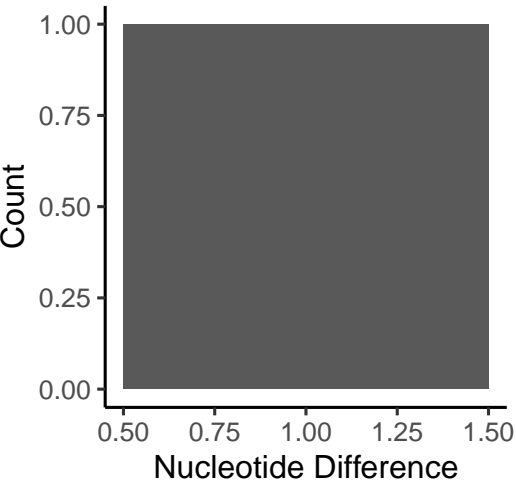
IGHV3-49*05

1 sequences assigned
No exact matches.



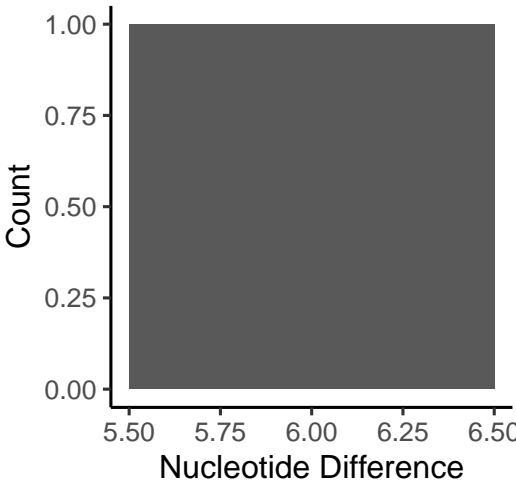
IGHV3-43*01

1 sequences assigned
No exact matches.



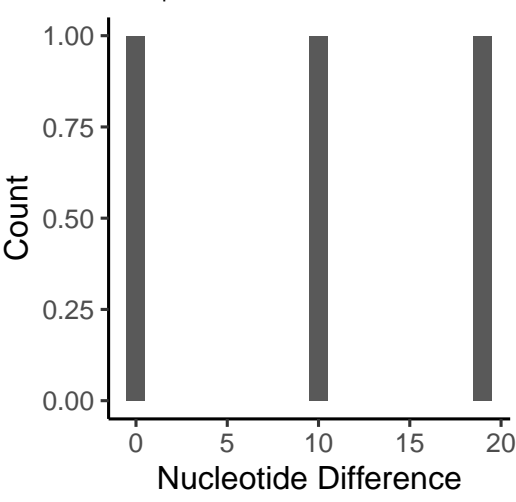
IGHV3-48*04

1 sequences assigned
No exact matches.



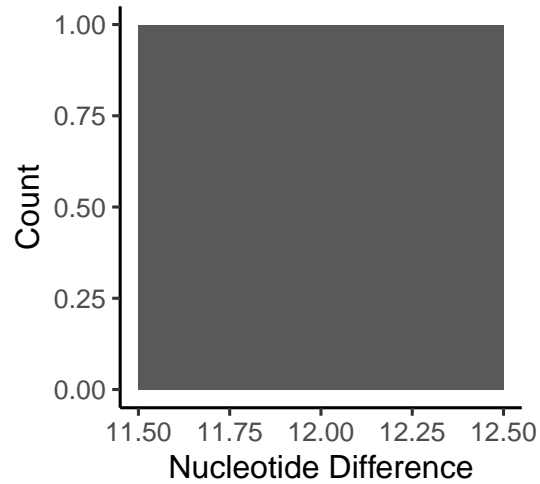
IGHV3-53*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



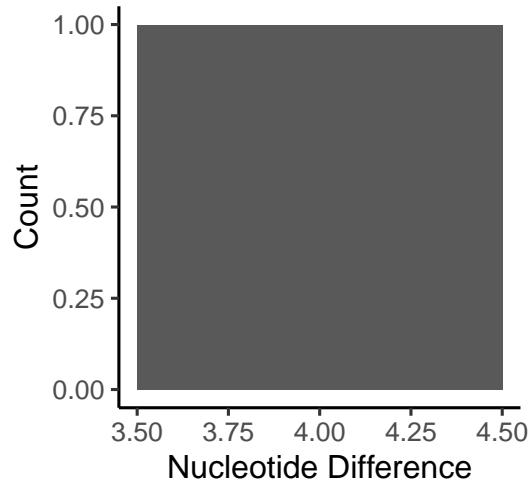
IGHV3-64*01

1 sequences assigned
No exact matches.



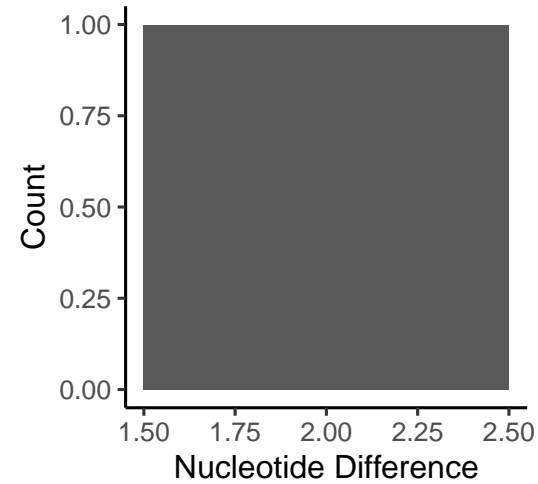
IGHV3-74*01

2 sequences assigned
No exact matches.



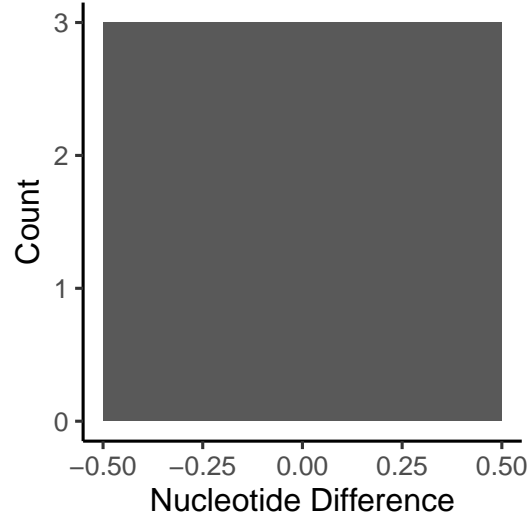
IGHV4-31*01

1 sequences assigned
No exact matches.



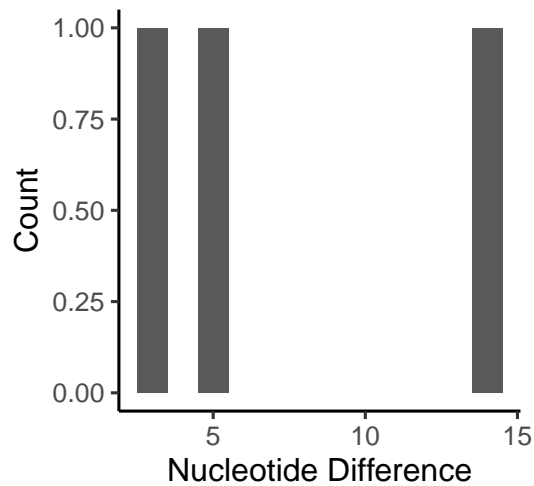
IGHV3-66*01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
1 unique J



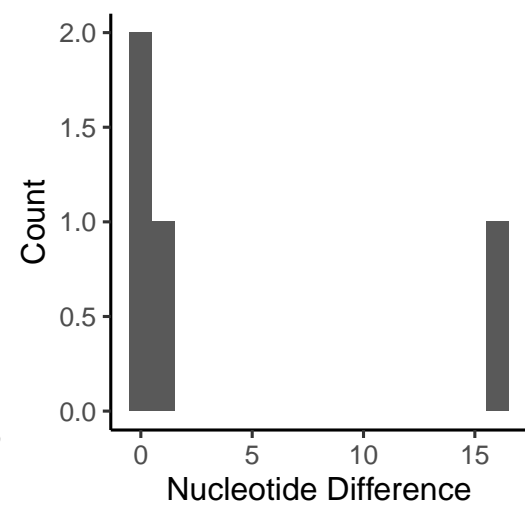
IGHV4-4*02

3 sequences assigned
No exact matches.



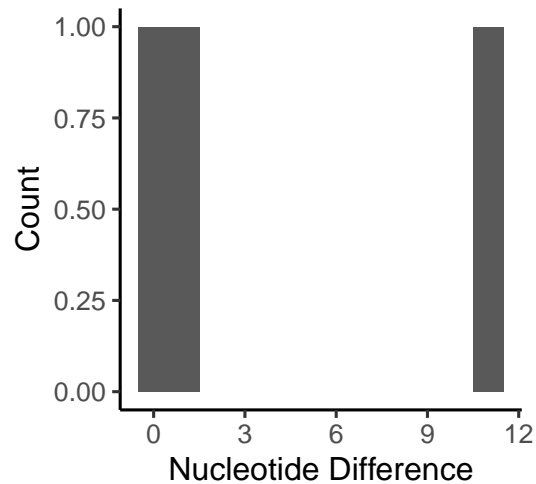
IGHV4-31*03

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
2 unique J



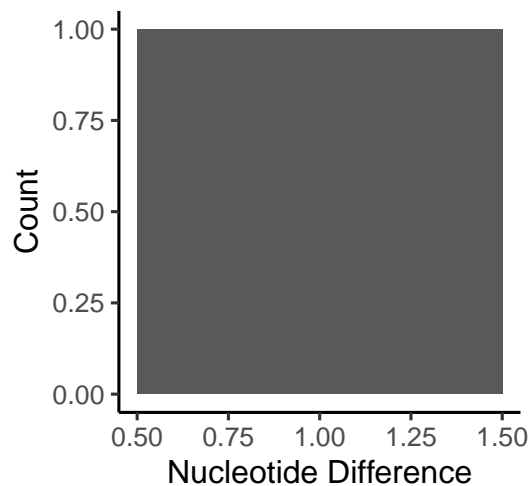
IGHV3-73*02

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



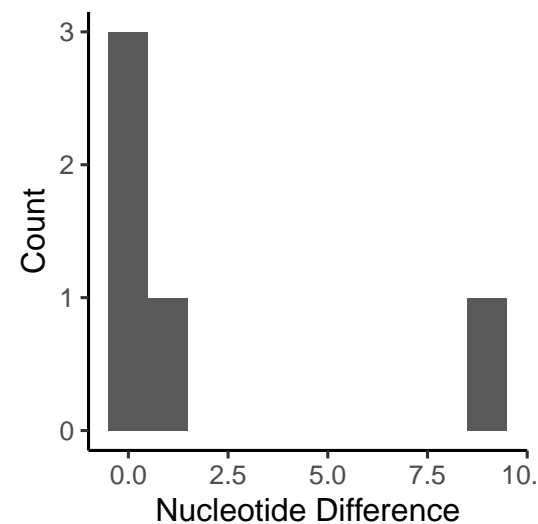
IGHV4-30-2*01

1 sequences assigned
No exact matches.



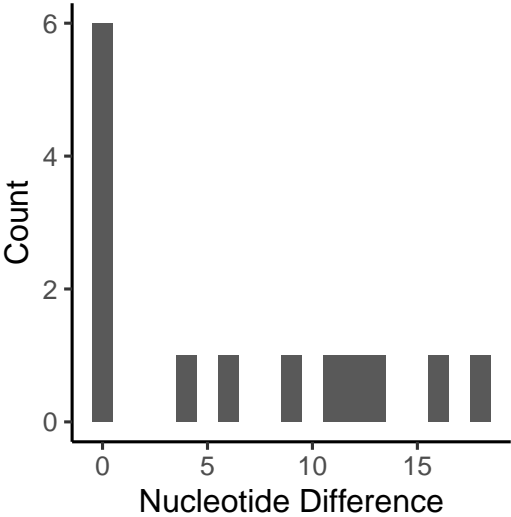
IGHV4-34*01

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



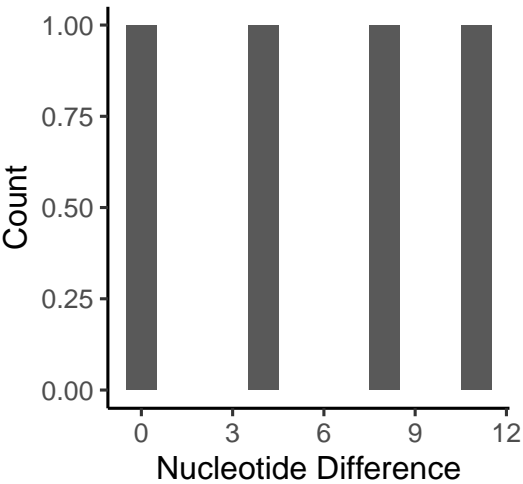
IGHV4-39*01

16 sequences assigned
6 (37.5%) exact matches, in which:
6 unique CDR3
2 unique J



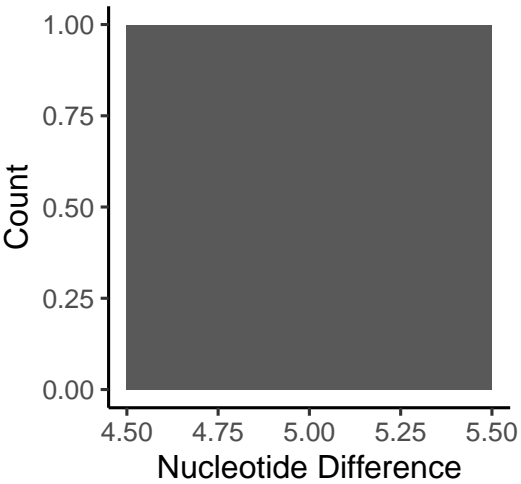
IGHV5-10-1*03

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



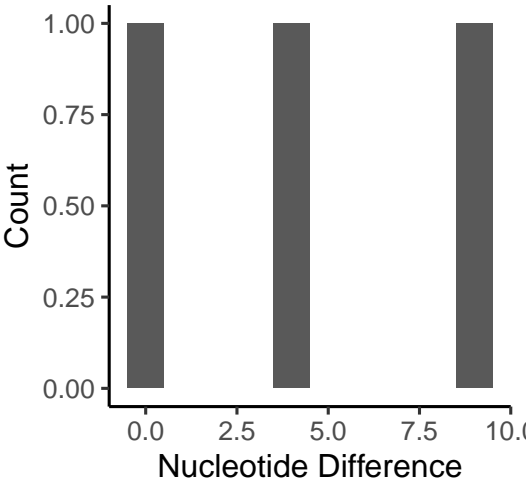
IGHV7-4-1*02

1 sequences assigned
No exact matches.



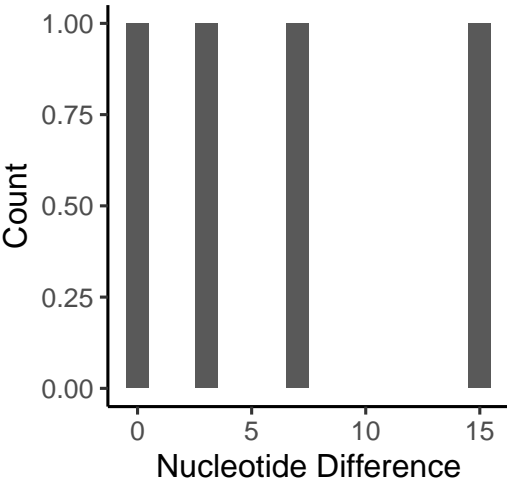
IGHV4-59*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



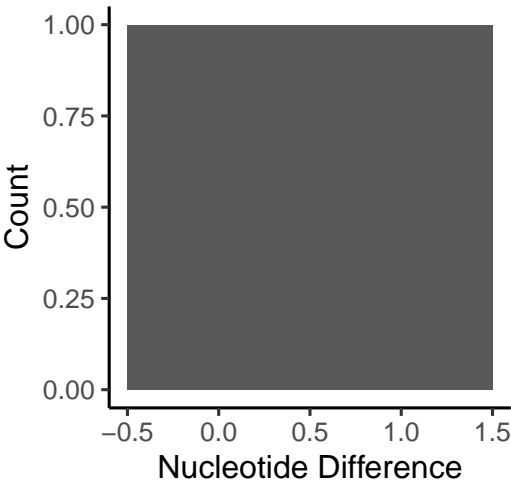
IGHV5-51*03

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



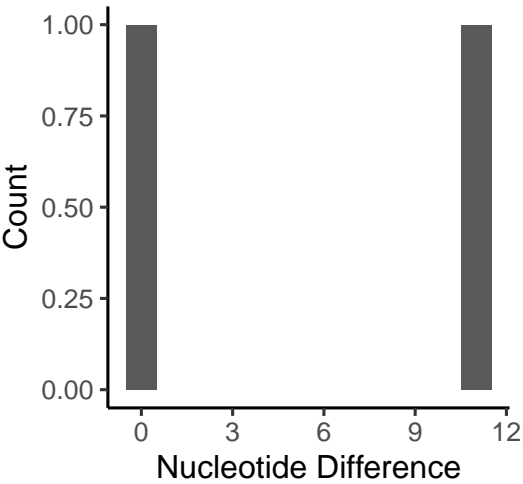
IGHV4-59*08

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



IGHV6-1*01

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





Warning – no inferred sequences found.