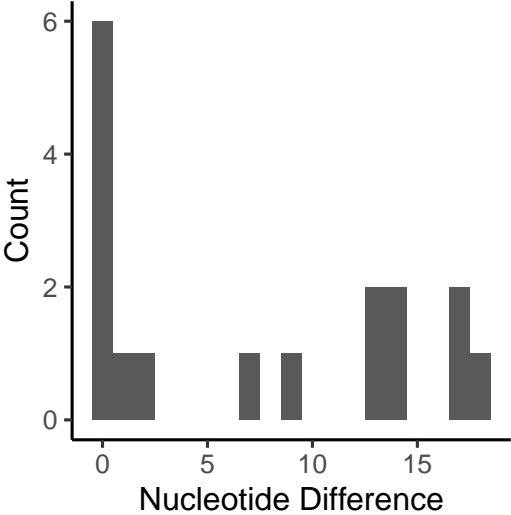


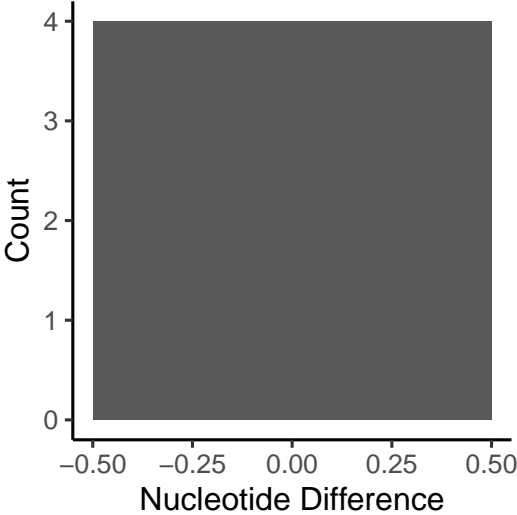
IGHV1-2*02

17 sequences assigned
6 (35.3%) exact matches, in which:
6 unique CDR3
3 unique J



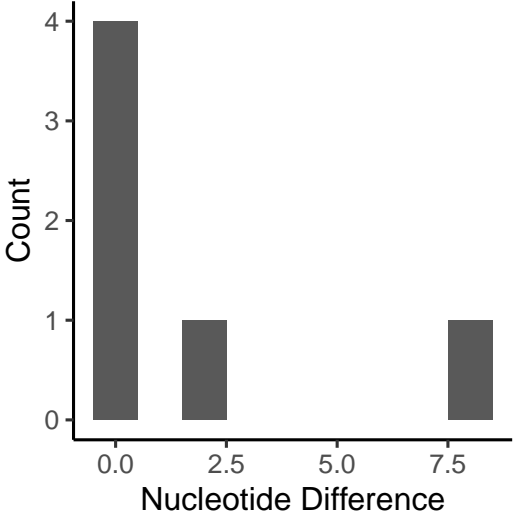
IGHV1-24*01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



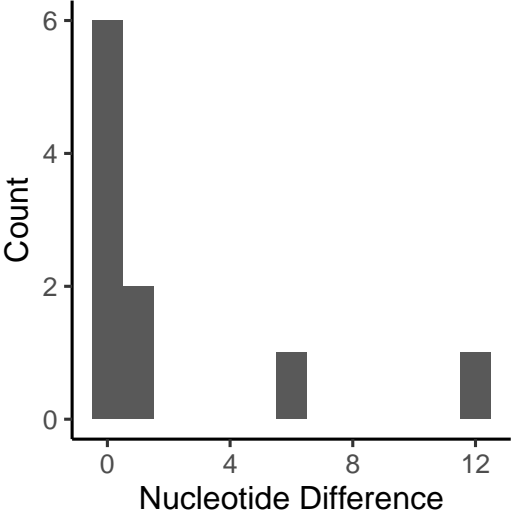
IGHV1-69*04

7 sequences assigned
4 (57.1%) exact matches, in which:
4 unique CDR3
3 unique J



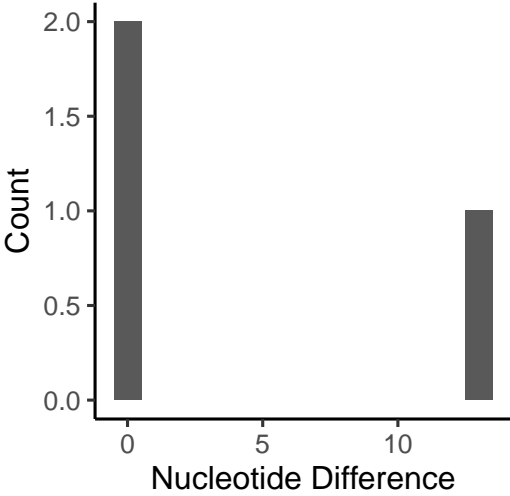
IGHV1-8*01

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



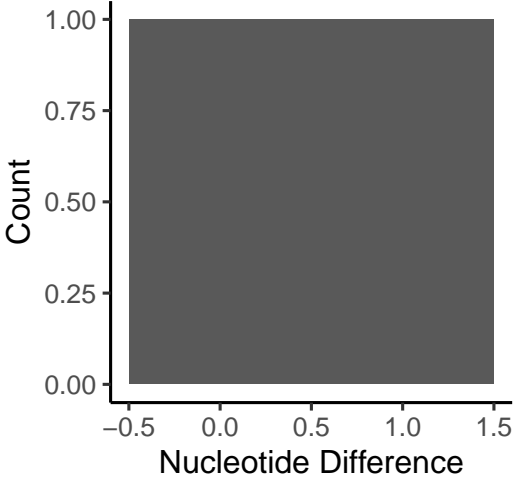
IGHV1-46*01

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



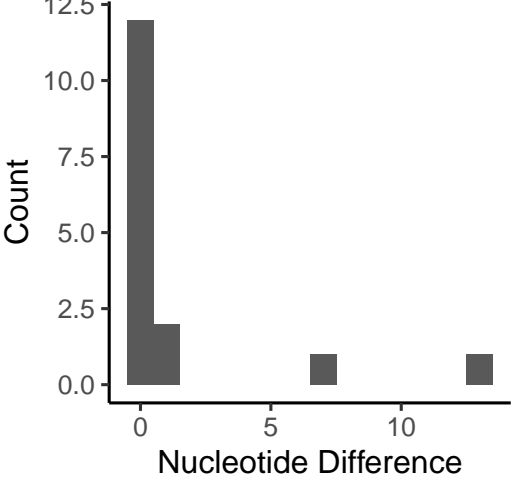
IGHV2-5*01

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



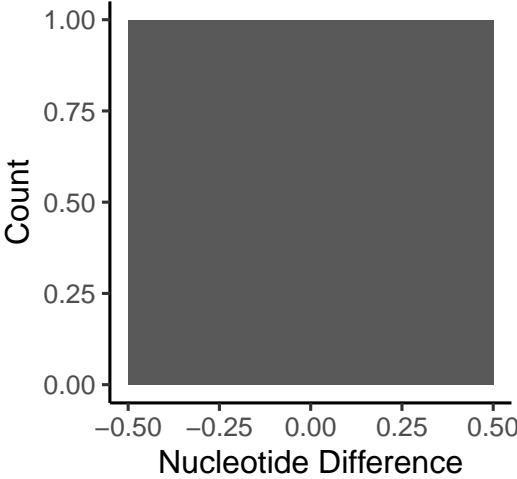
IGHV1-18*01

17 sequences assigned
12 (70.6%) exact matches, in which:
12 unique CDR3
4 unique J



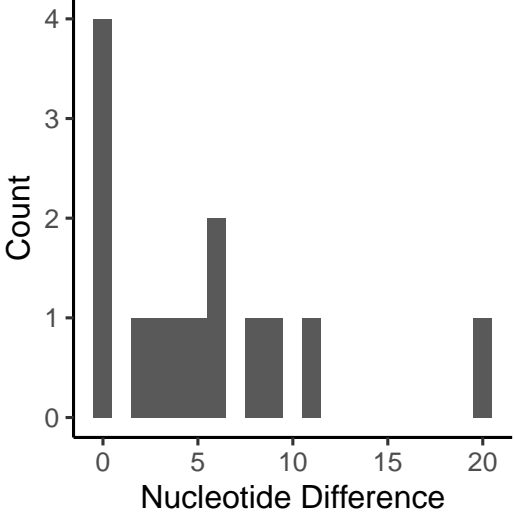
IGHV1-58*01

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



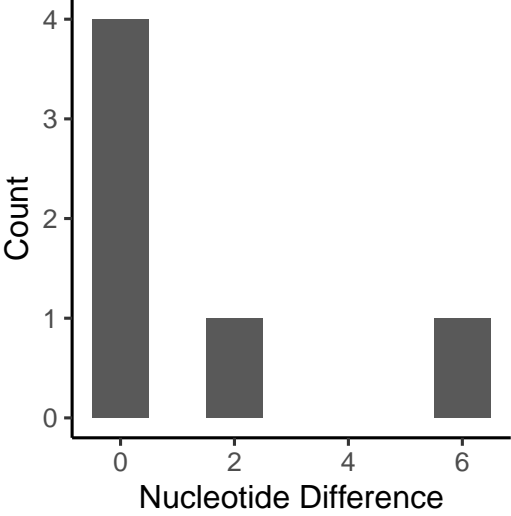
IGHV2-5*02

14 sequences assigned
4 (28.6%) exact matches, in which:
4 unique CDR3
3 unique J



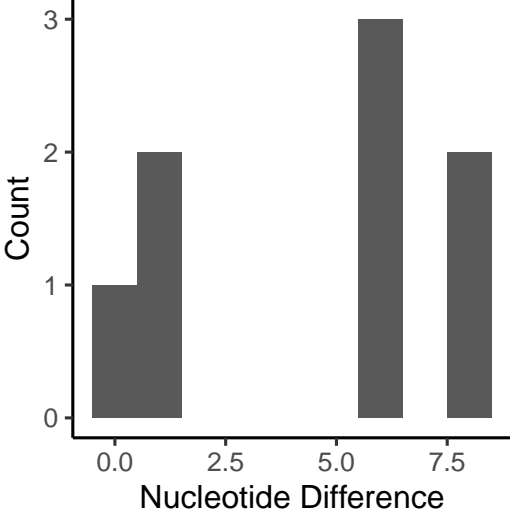
IGHV2-26*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
2 unique J



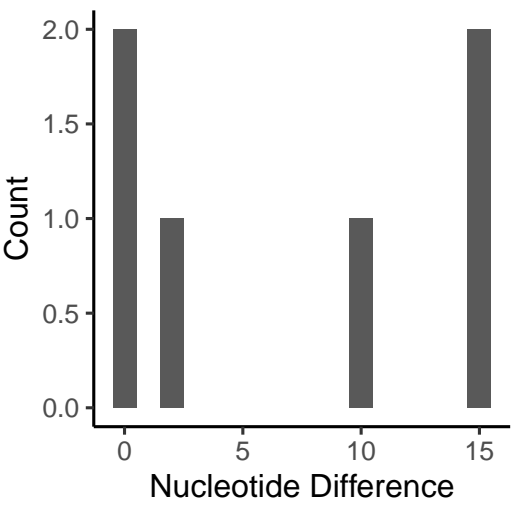
IGHV3-7*01

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



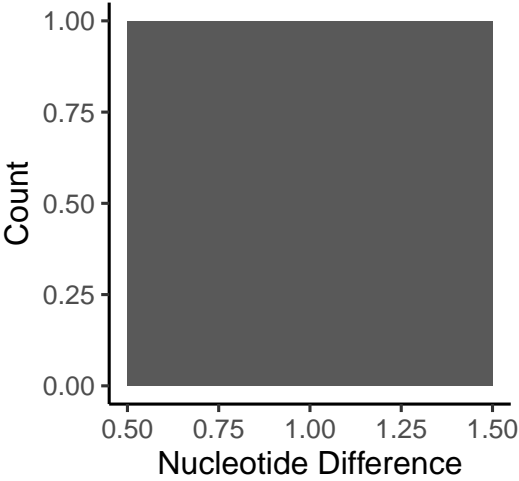
IGHV3-15*01

8 sequences assigned
2 (25%) exact matches, in which:
1 unique CDR3
1 unique J



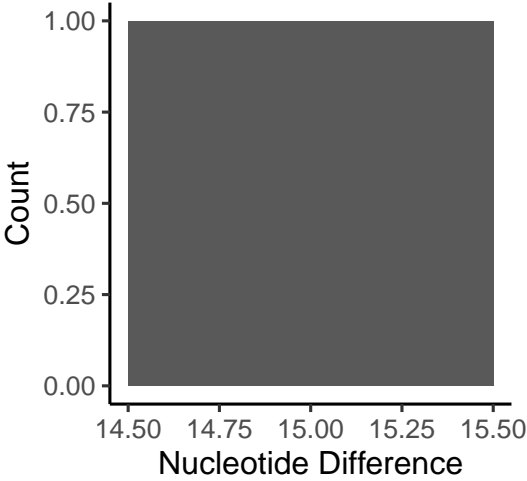
IGHV2-70*01

1 sequences assigned
No exact matches.



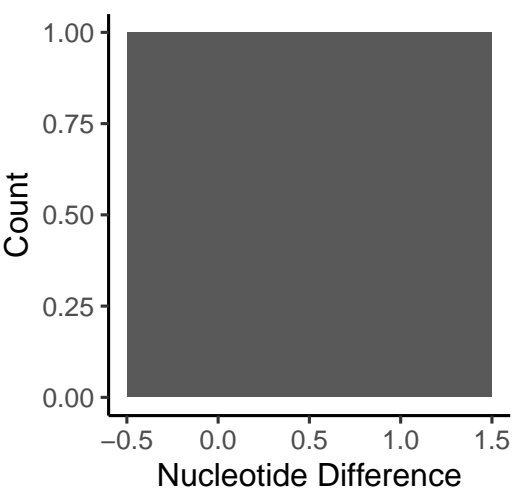
IGHV3-7*03

2 sequences assigned
No exact matches.



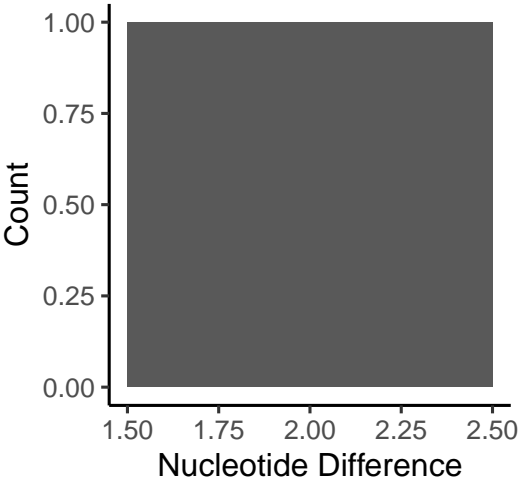
IGHV3-21*01

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



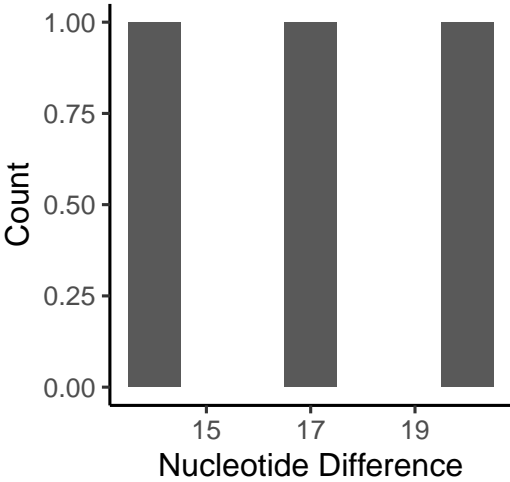
IGHV2-70*15

1 sequences assigned
No exact matches.



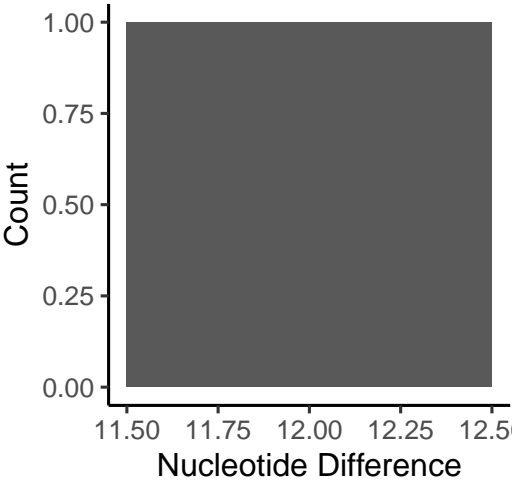
IGHV3-7*05

3 sequences assigned
No exact matches.



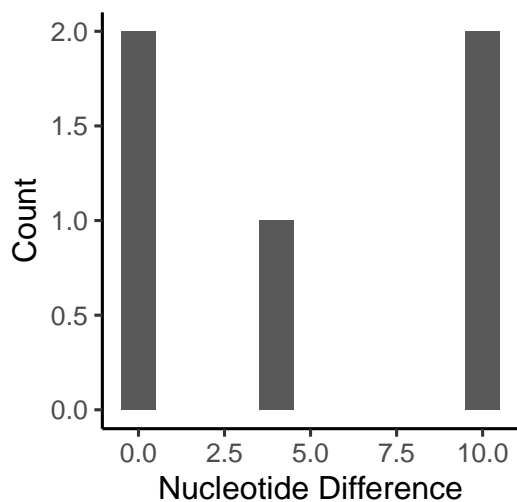
IGHV3-21*02

1 sequences assigned
No exact matches.



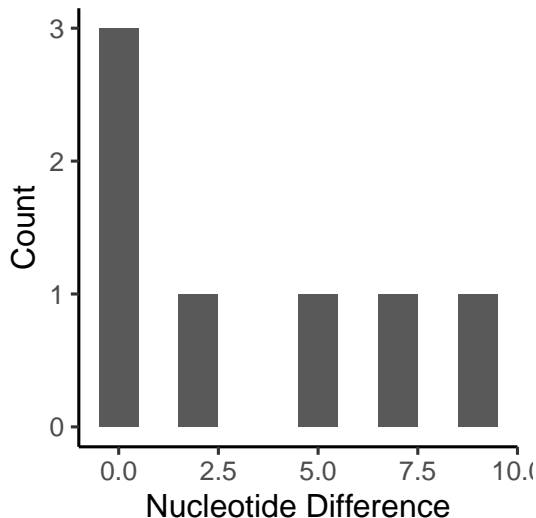
IGHV3–33*01

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



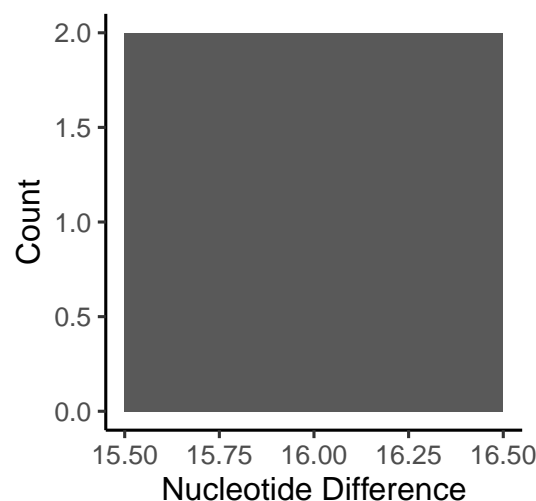
IGHV3–48*03

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
2 unique J



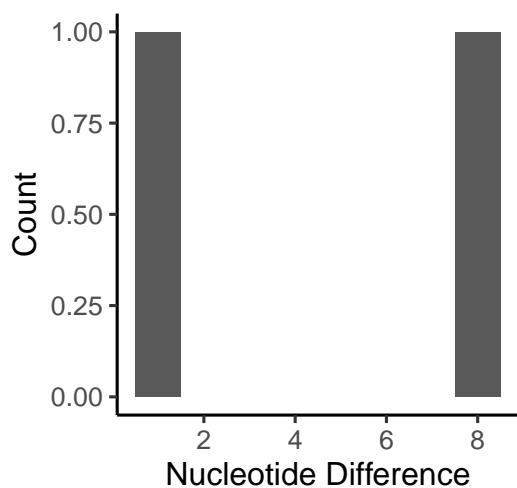
IGHV3–53*05

2 sequences assigned
No exact matches.



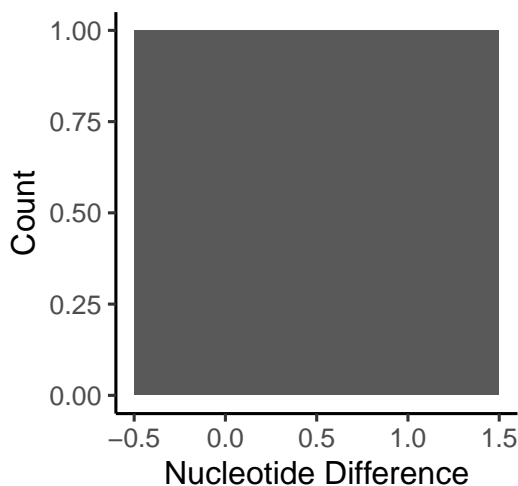
IGHV3–43*02

2 sequences assigned
No exact matches.



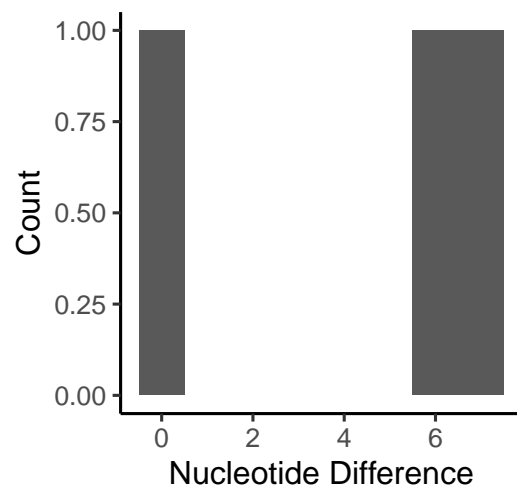
IGHV3–49*05

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



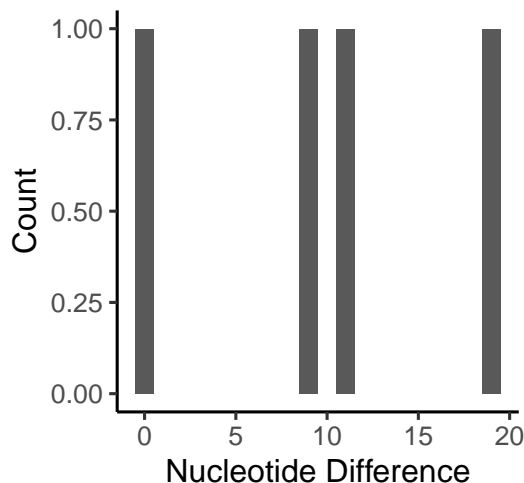
IGHV3–64*01

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



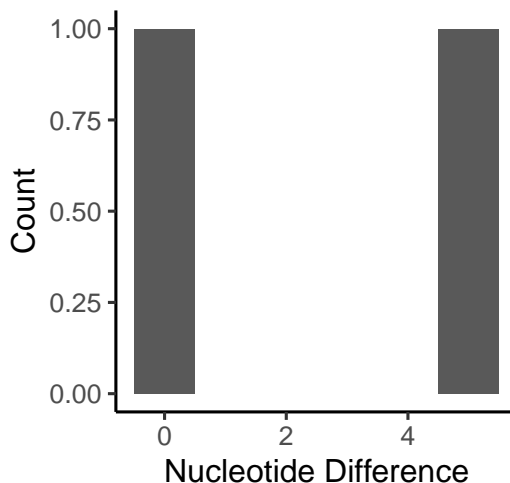
IGHV3–48*02

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



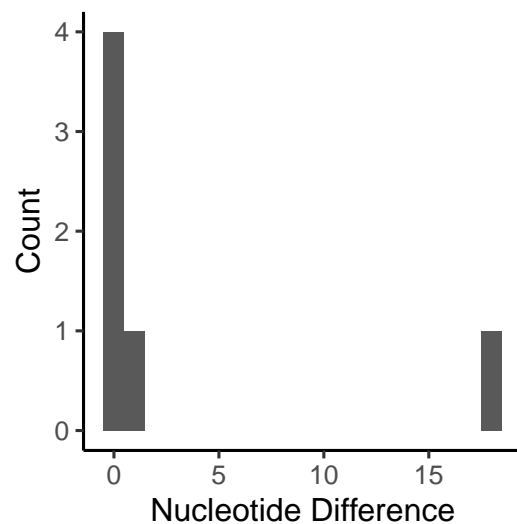
IGHV3–53*04

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



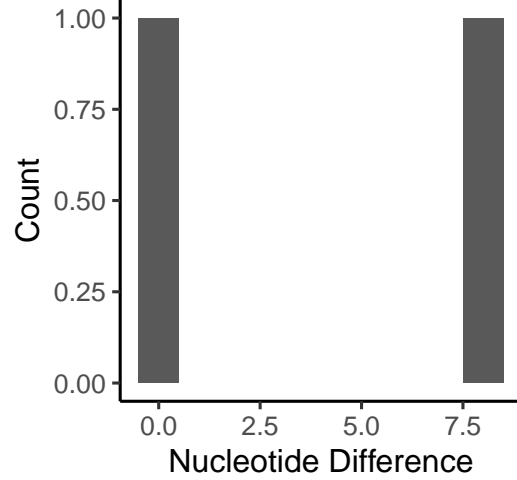
IGHV3–66*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 unique J



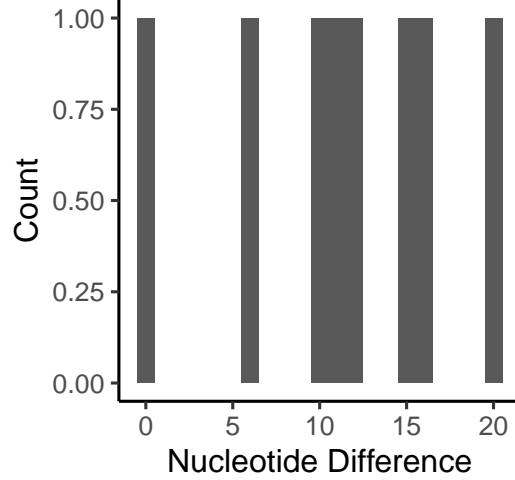
IGHV3-66*02

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



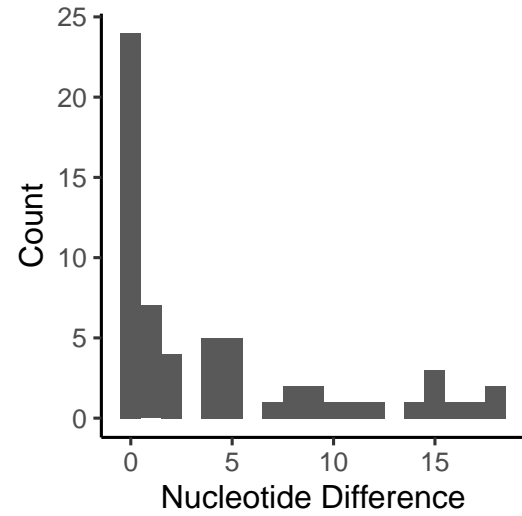
IGHV3-74*01

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



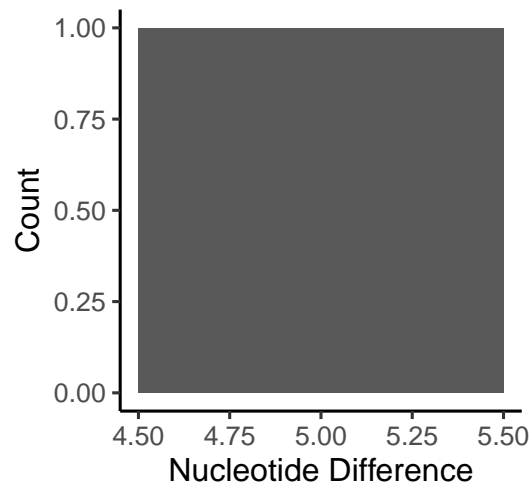
IGHV4-34*01

64 sequences assigned
24 (37.5%) exact matches, in which:
22 unique CDR3
5 unique J



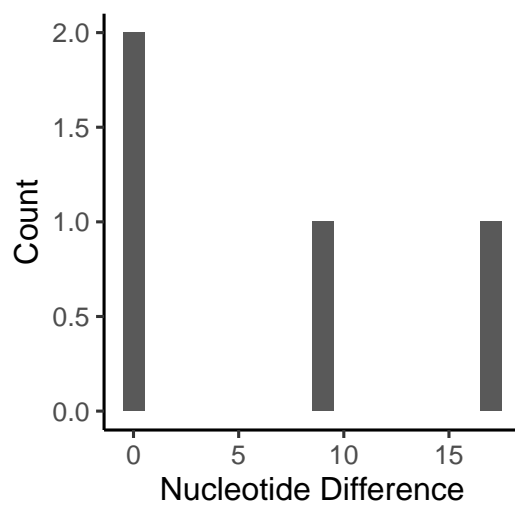
IGHV3-72*01

1 sequences assigned
No exact matches.



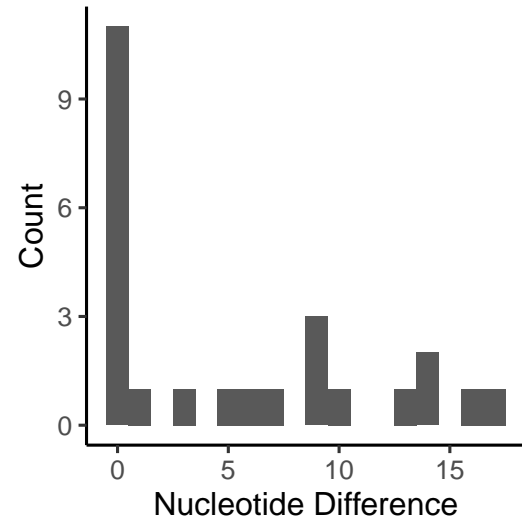
IGHV4-4*07

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



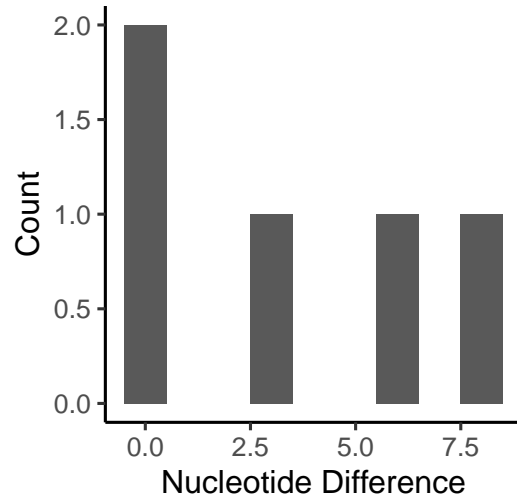
IGHV4-39*01

29 sequences assigned
11 (37.9%) exact matches, in which:
11 unique CDR3
3 unique J



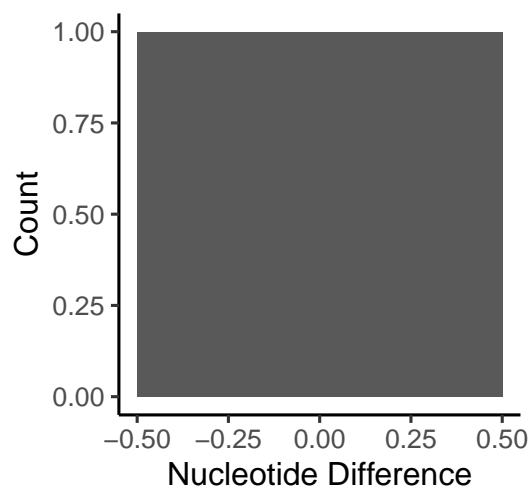
IGHV3-73*02

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



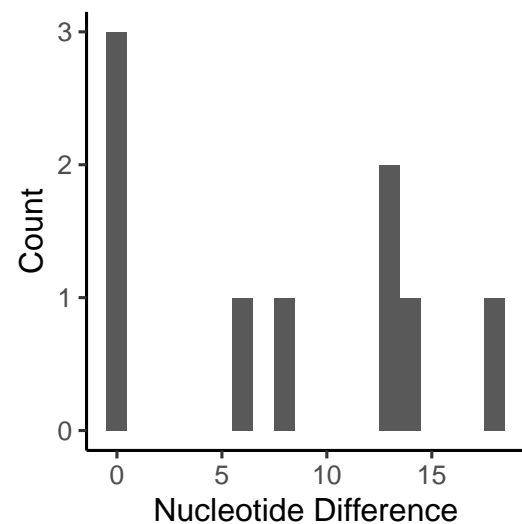
IGHV4-31*03

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



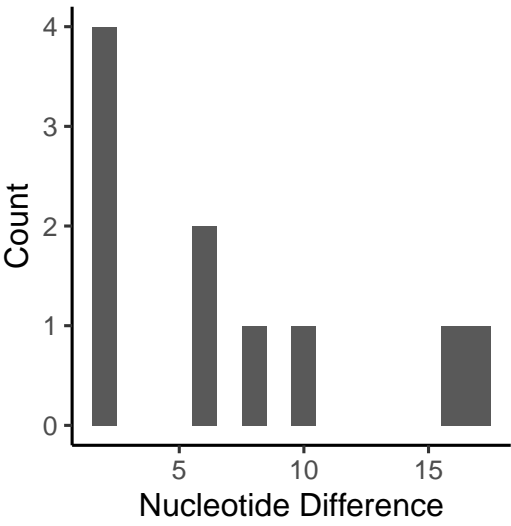
IGHV4-59*01

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



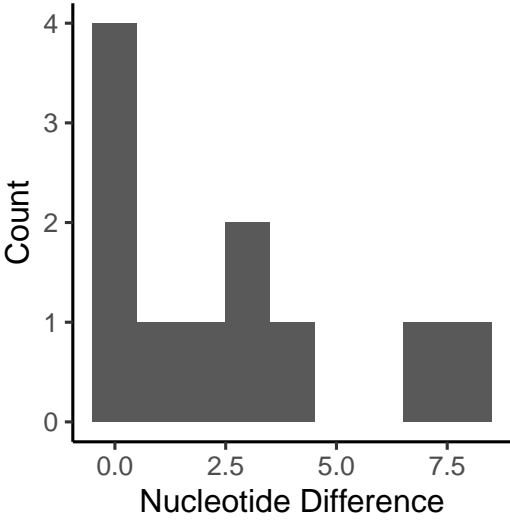
IGHV4-59*08

10 sequences assigned
No exact matches.



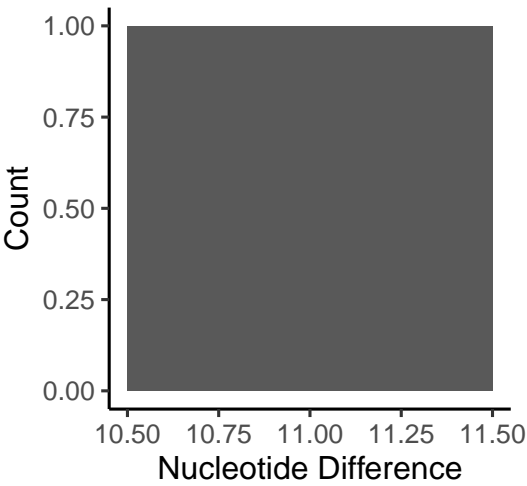
IGHV5-51*01

11 sequences assigned
4 (36.4%) exact matches, in which:
4 unique CDR3
2 unique J



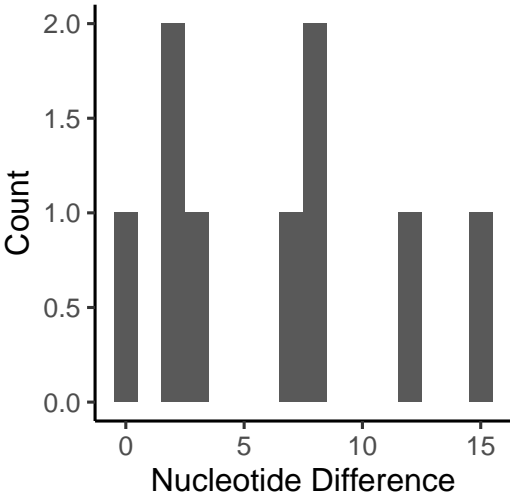
IGHV4-61*02

1 sequences assigned
No exact matches.



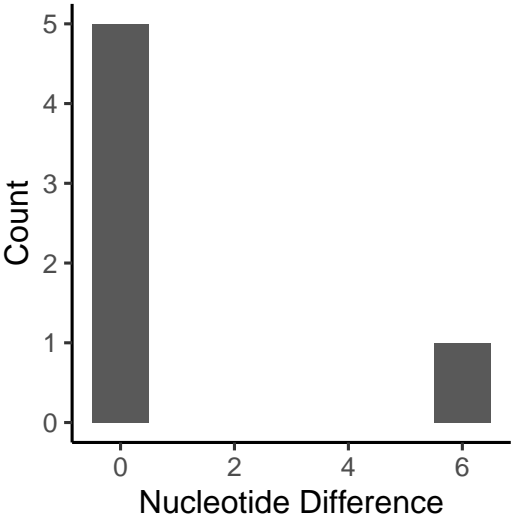
IGHV6-1*01

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



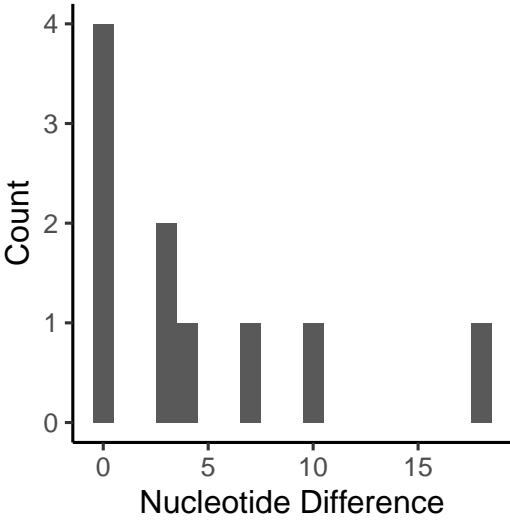
IGHV5-10-1*03

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



IGHV7-4-1*02

10 sequences assigned
4 (40%) exact matches, in which:
4 unique CDR3
1 unique J





Warning – no inferred sequences found.