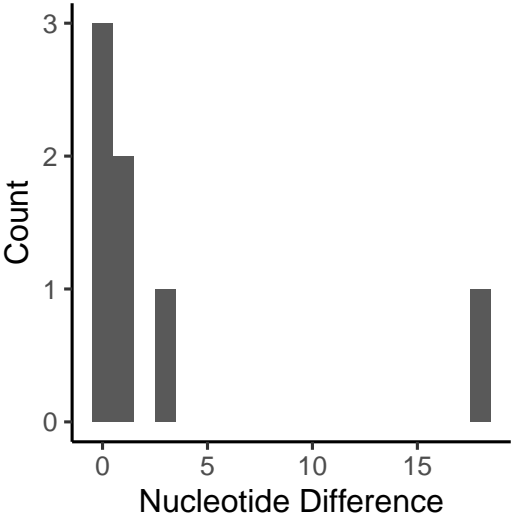


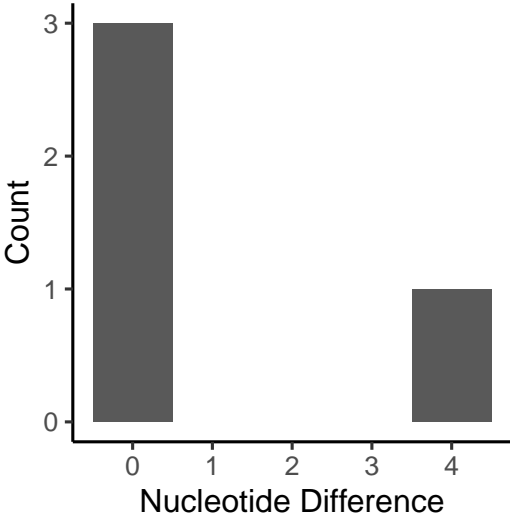
IGHV1-2*02

11 sequences assigned
3 (27.3%) exact matches, in which:
3 unique CDR3
2 unique J



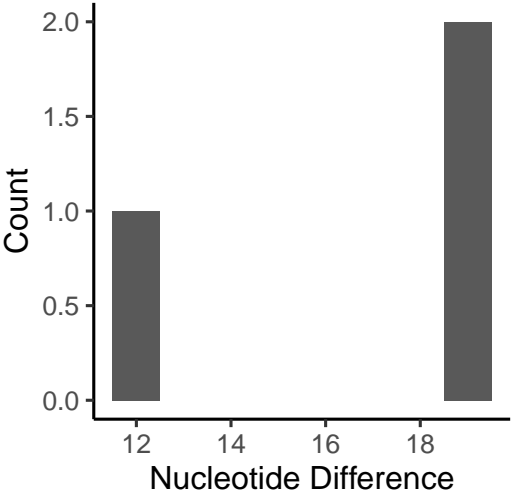
IGHV1-18*01

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
3 unique J



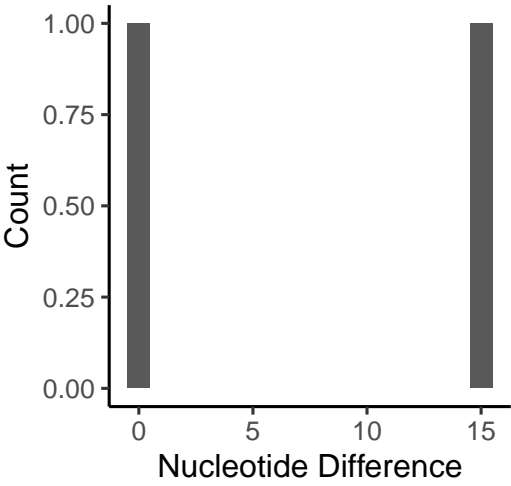
IGHV1-46*01

4 sequences assigned
No exact matches.



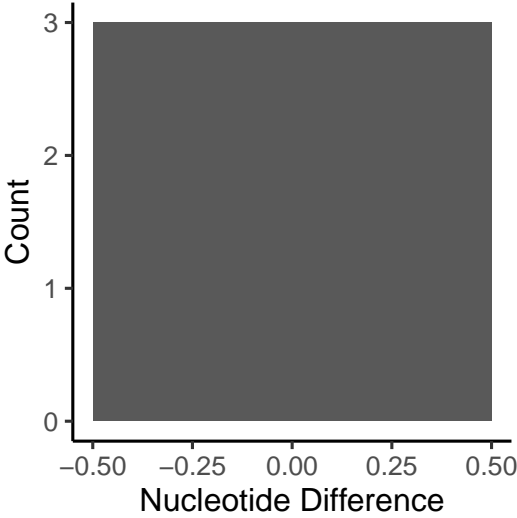
IGHV1-3*01

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



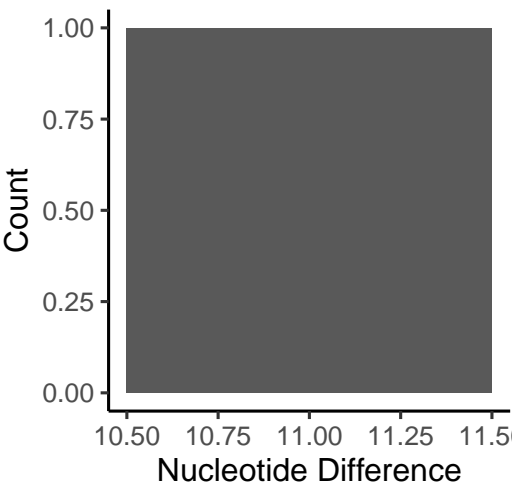
IGHV1-18*04

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



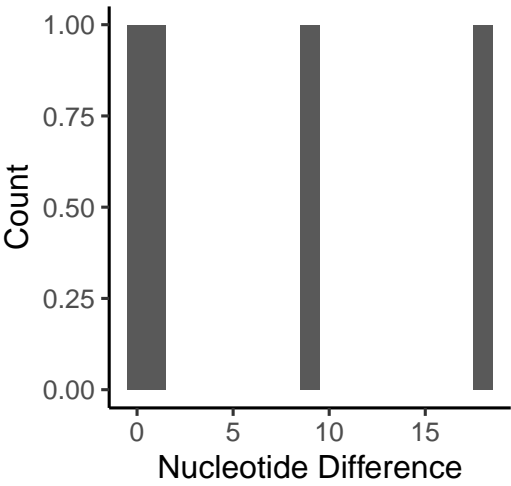
IGHV1-46*03

2 sequences assigned
No exact matches.



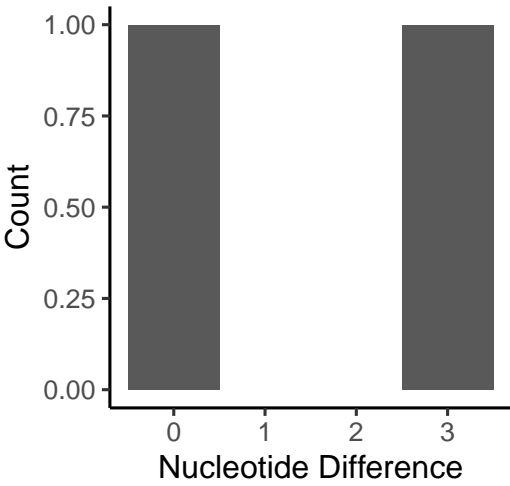
IGHV1-8*01

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



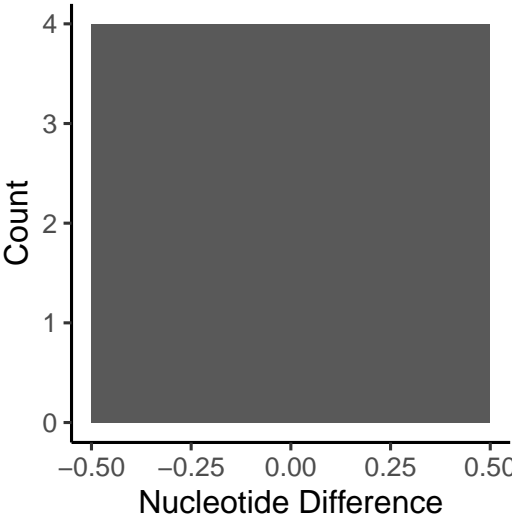
IGHV1-24*01

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



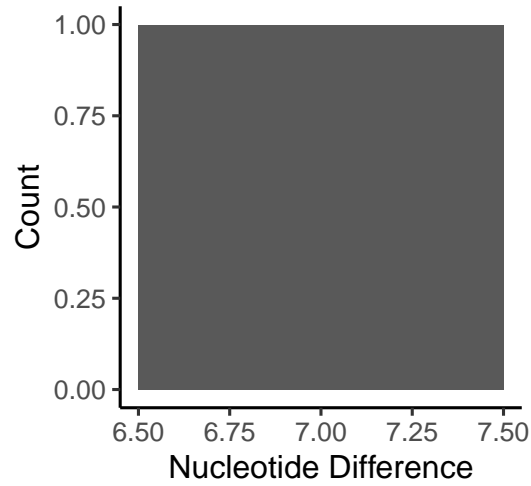
IGHV1-69*04

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



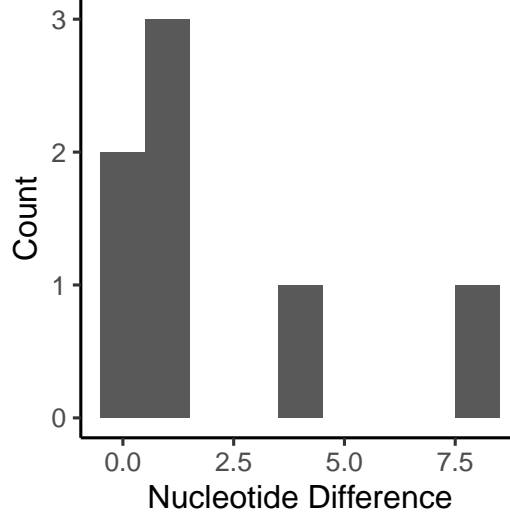
IGHV1-69D*01

2 sequences assigned
No exact matches.



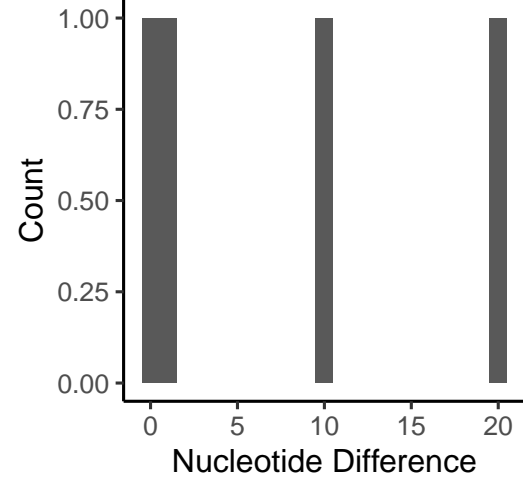
IGHV2-70*15

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



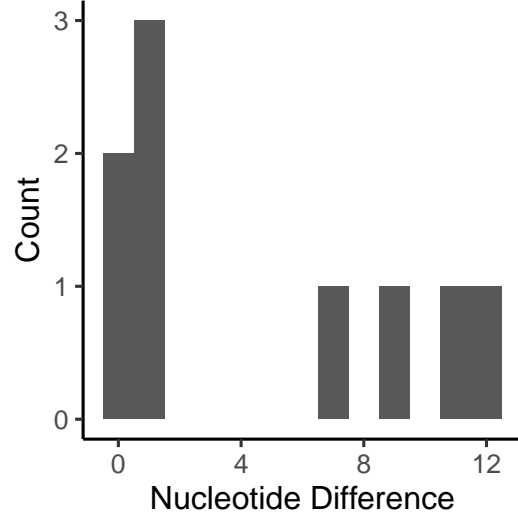
IGHV3-9*01

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



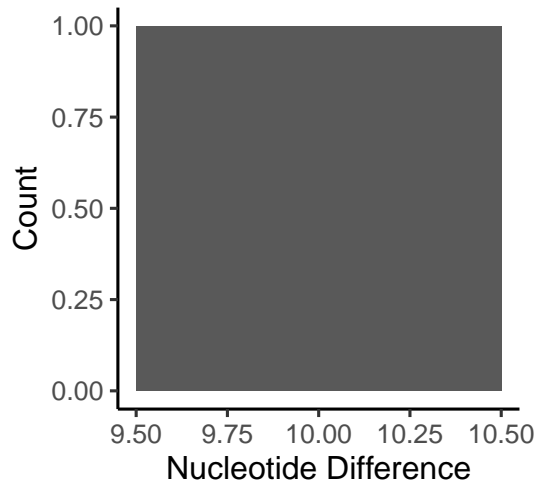
IGHV2-5*02

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



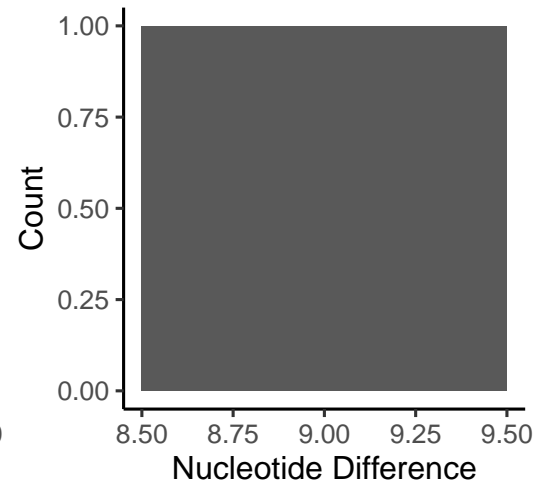
IGHV3-7*01

1 sequences assigned
No exact matches.



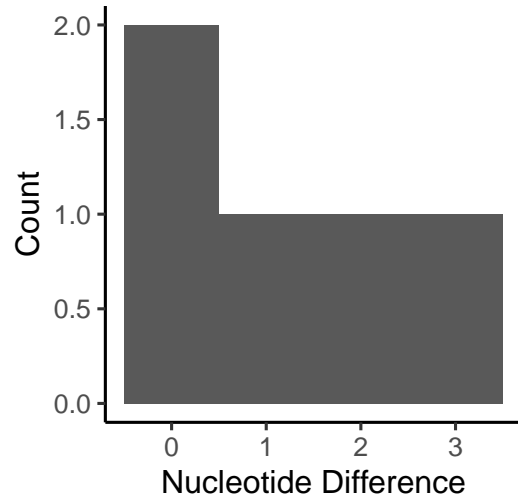
IGHV3-11*01

1 sequences assigned
No exact matches.



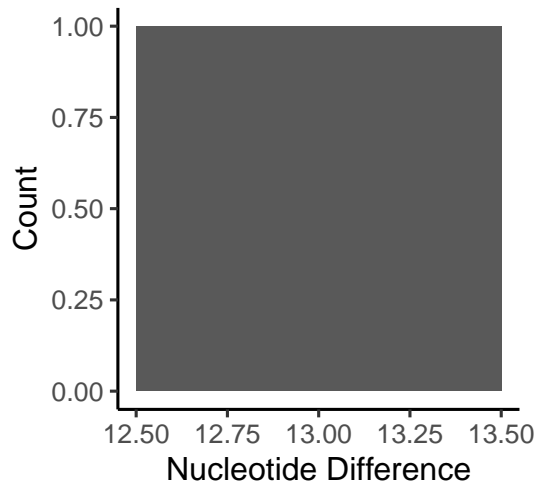
IGHV2-26*01

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



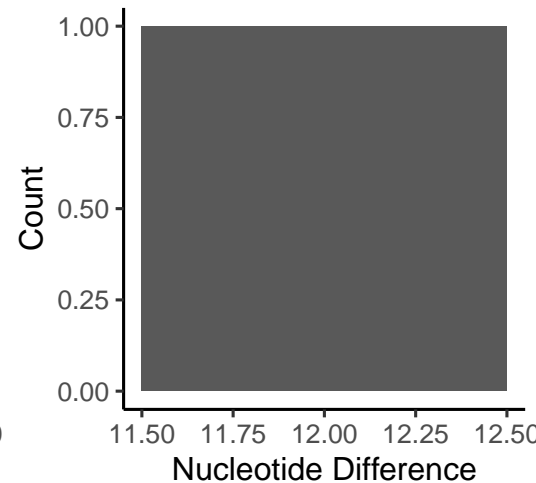
IGHV3-7*04

2 sequences assigned
No exact matches.



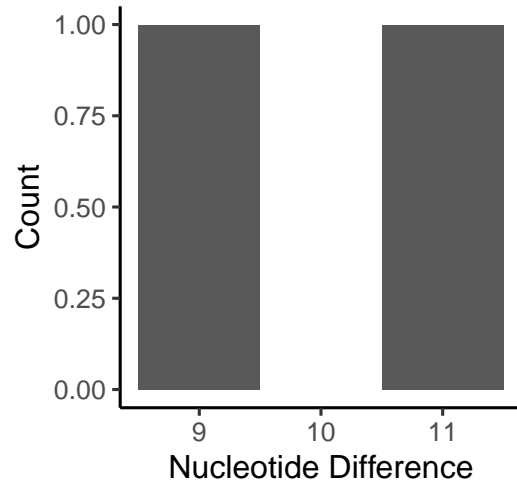
IGHV3-11*06

1 sequences assigned
No exact matches.



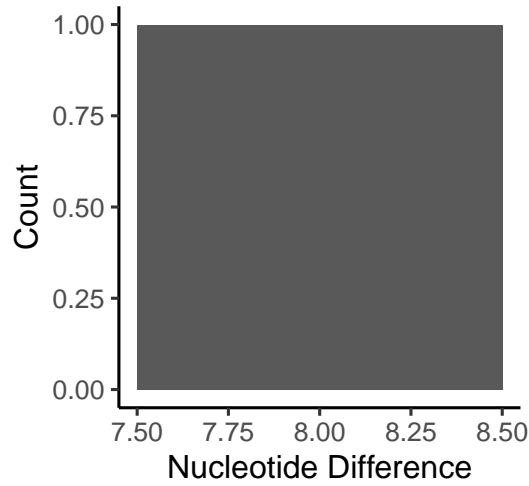
IGHV3-15*01

6 sequences assigned
No exact matches.



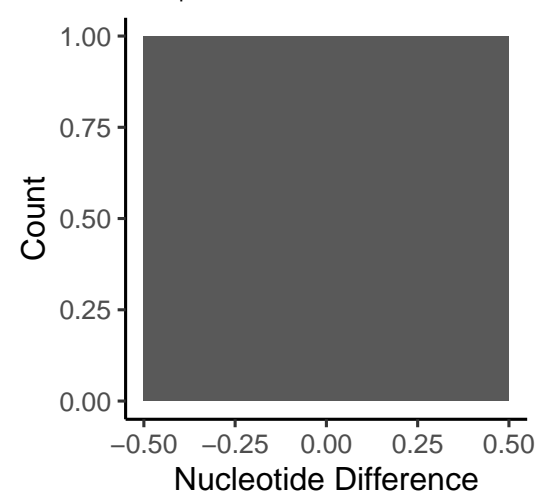
IGHV3-30-3*01

1 sequences assigned
No exact matches.



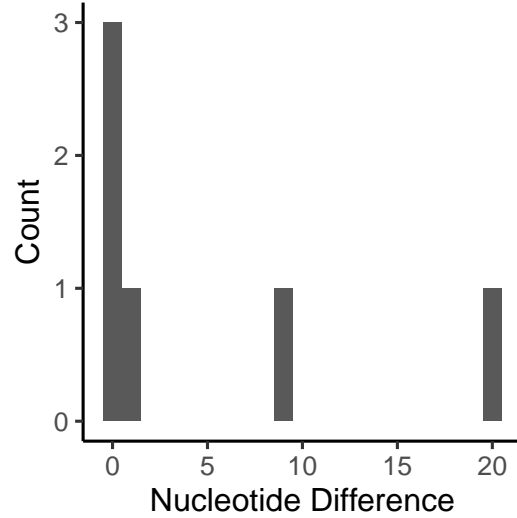
IGHV3-49*03

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



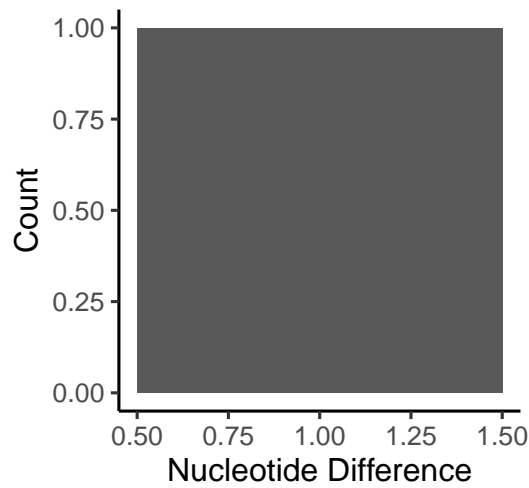
IGHV3-21*01

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
2 unique J



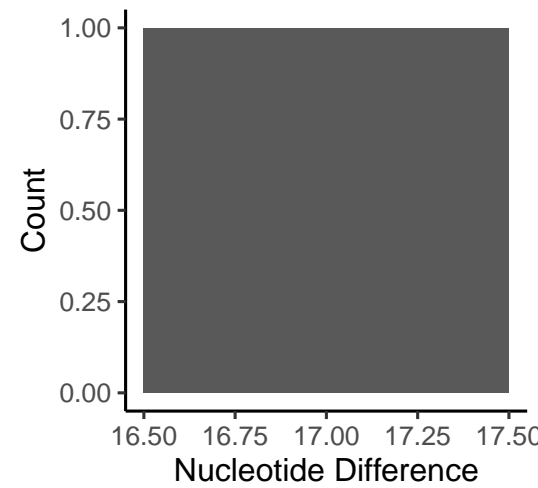
IGHV3-33*05

2 sequences assigned
No exact matches.



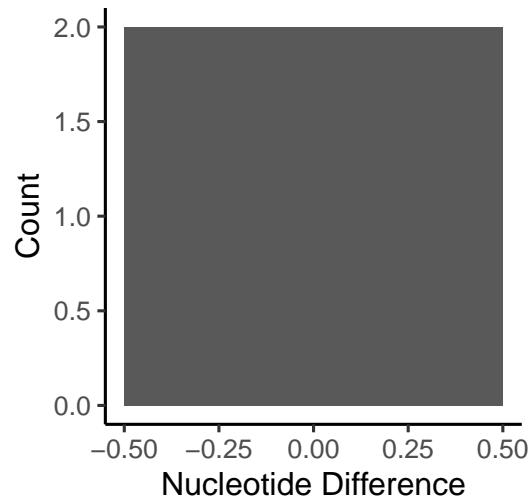
IGHV3-53*04

1 sequences assigned
No exact matches.



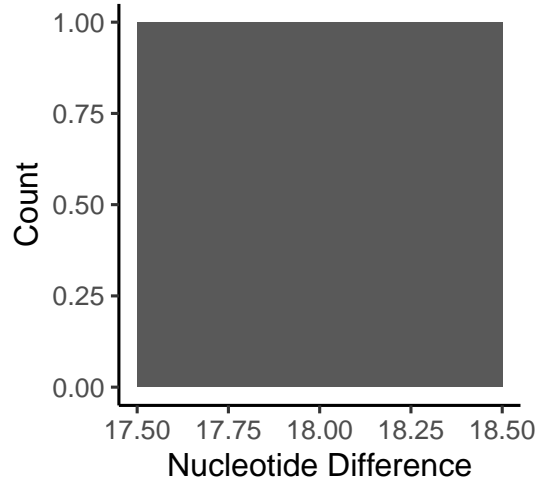
IGHV3-23*04

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



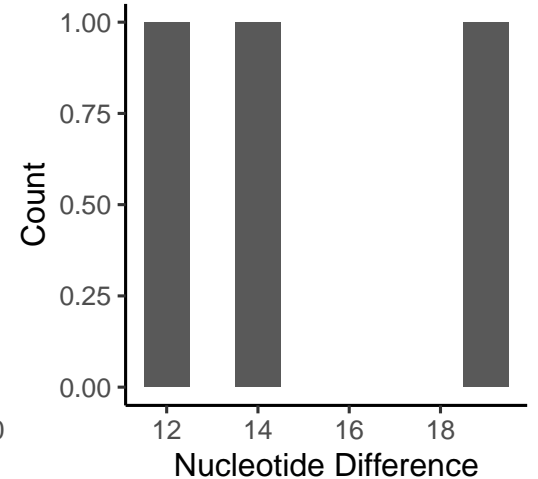
IGHV3-48*03

1 sequences assigned
No exact matches.



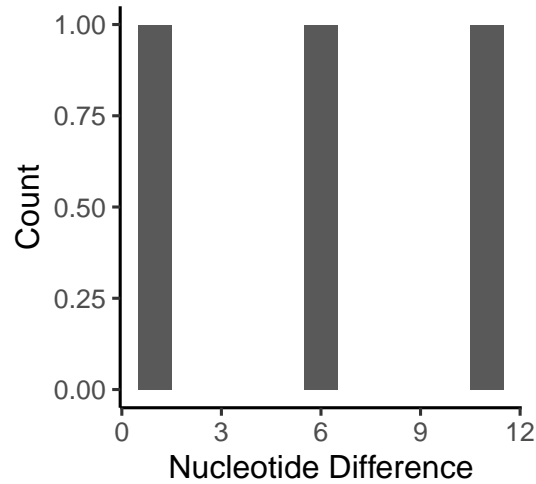
IGHV3-66*01

4 sequences assigned
No exact matches.



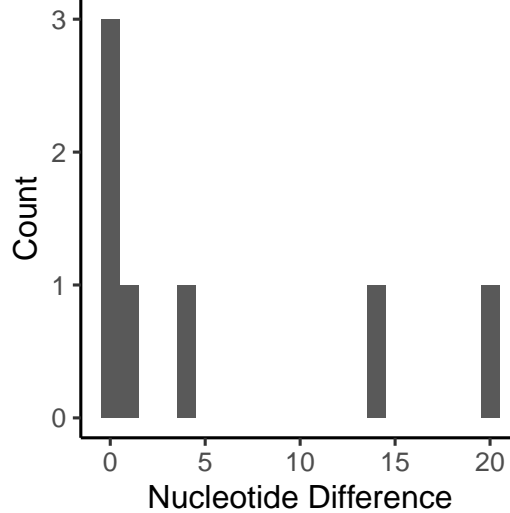
IGHV3-74*01

3 sequences assigned
No exact matches.



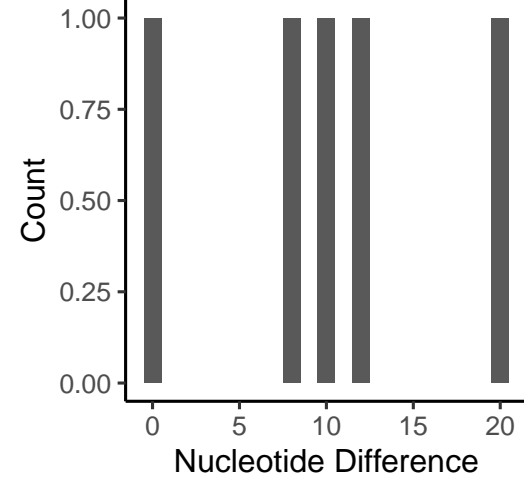
IGHV4-4*09

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



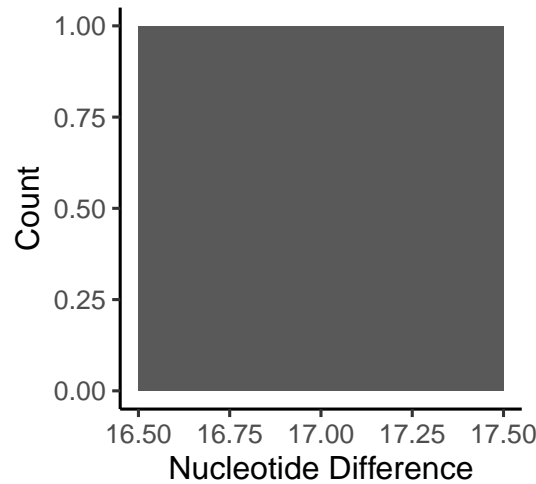
IGHV4-38-2*01

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



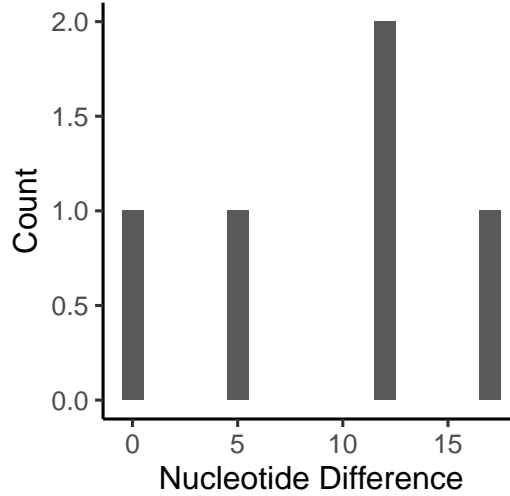
IGHV4-4*02

2 sequences assigned
No exact matches.



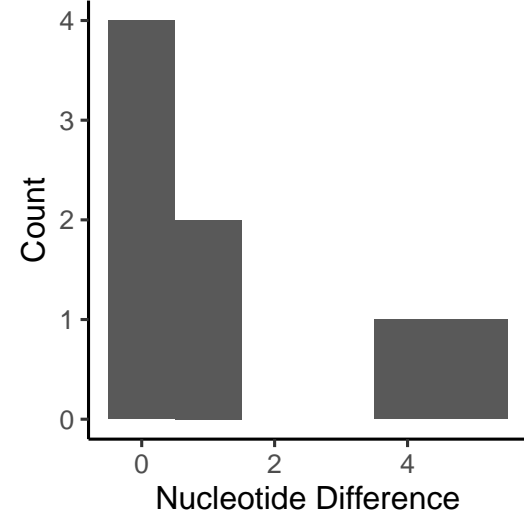
IGHV4-31*03

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



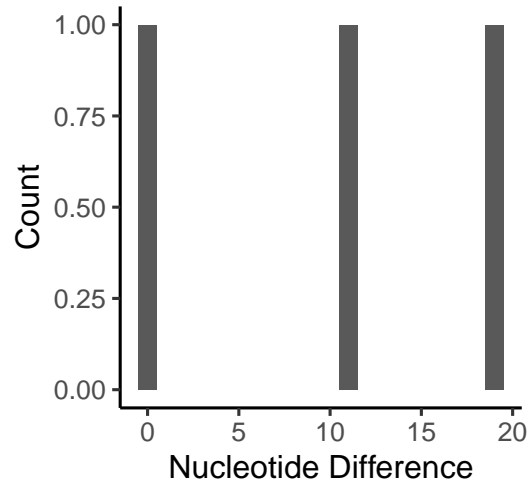
IGHV4-39*01

22 sequences assigned
4 (18.2%) exact matches, in which:
4 unique CDR3
2 unique J



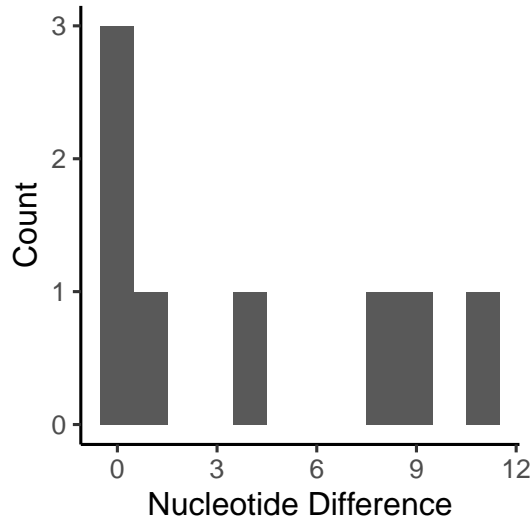
IGHV4-4*07

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



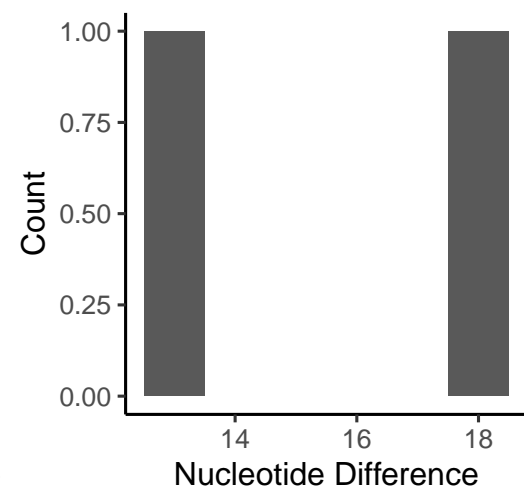
IGHV4-34*01

11 sequences assigned
3 (27.3%) exact matches, in which:
3 unique CDR3
2 unique J



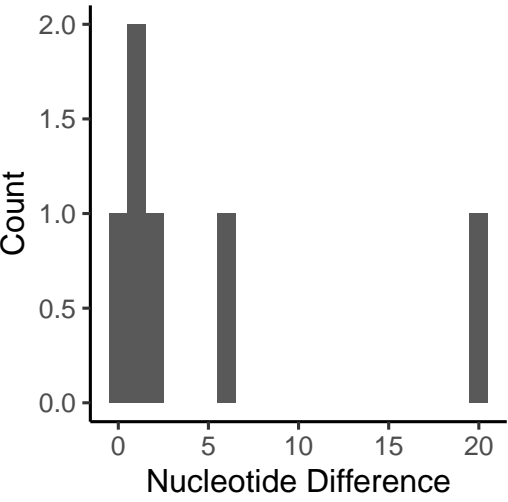
IGHV4-39*02

5 sequences assigned
No exact matches.



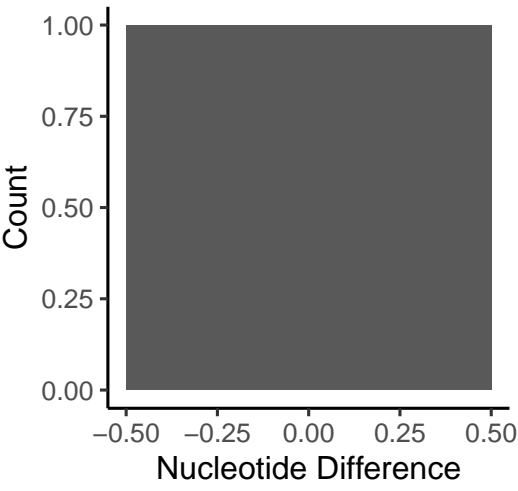
IGHV4-59*01

7 sequences assigned
1 (14.3%) exact matches, in which:
1 unique CDR3
1 unique J



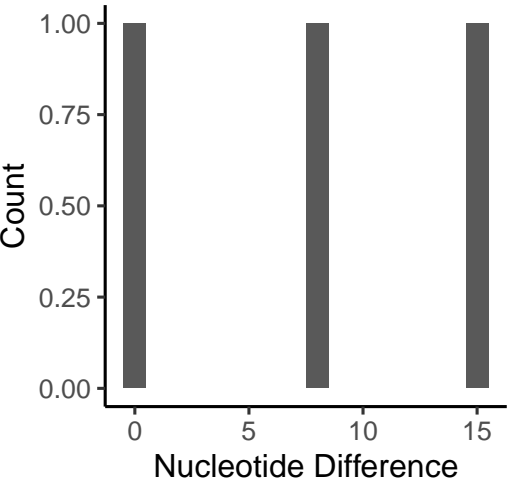
IGHV5-10-1*03

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



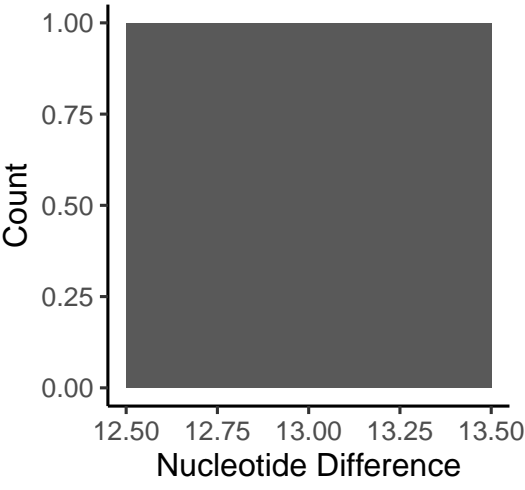
IGHV4-59*08

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



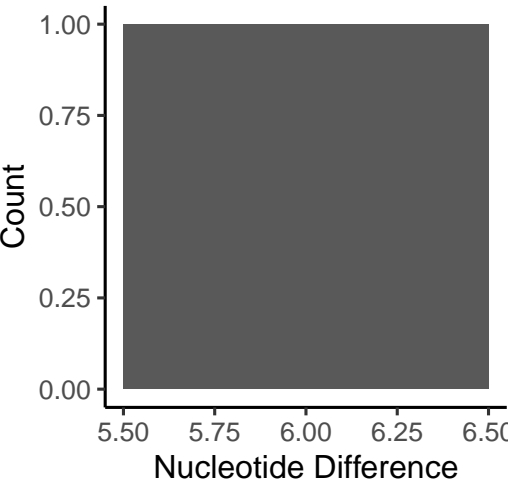
IGHV5-51*01

4 sequences assigned
No exact matches.



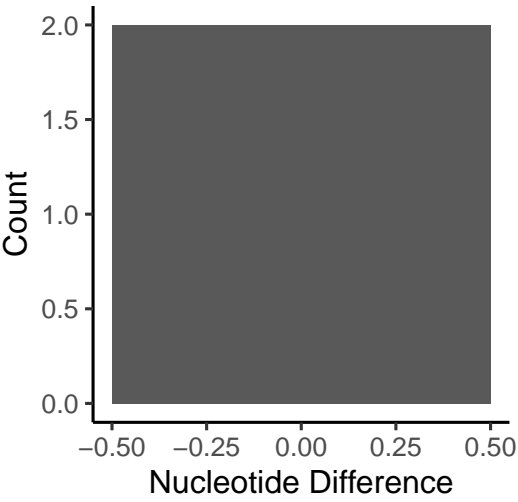
IGHV4-61*07

1 sequences assigned
No exact matches.

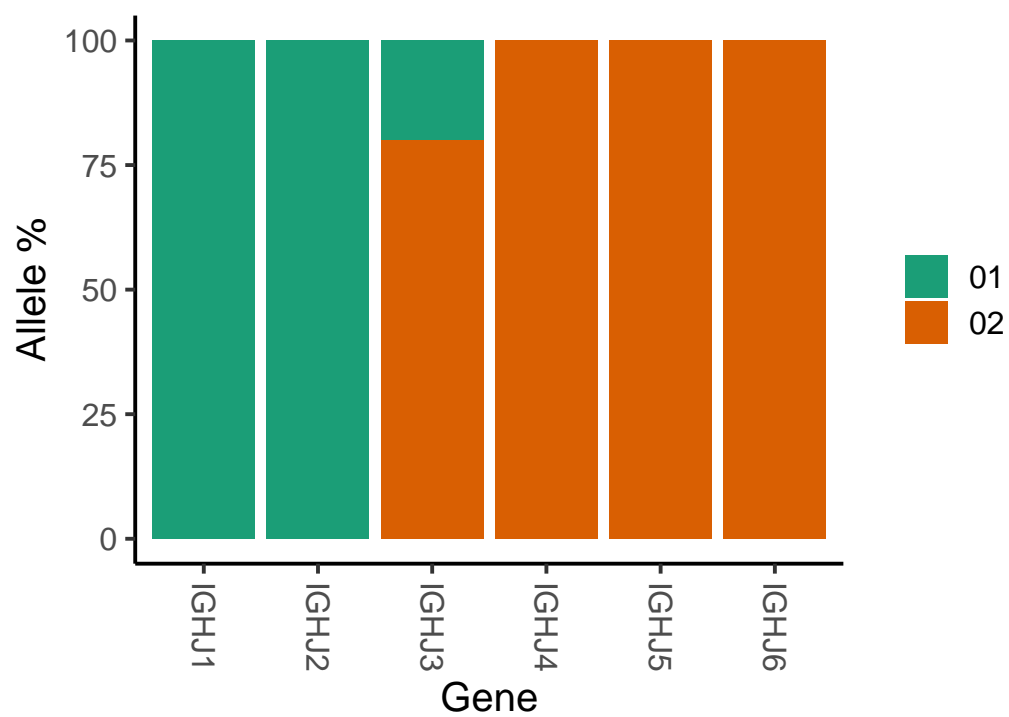


IGHV5-51*03

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



Allele Usage



Warning – no inferred sequences found.