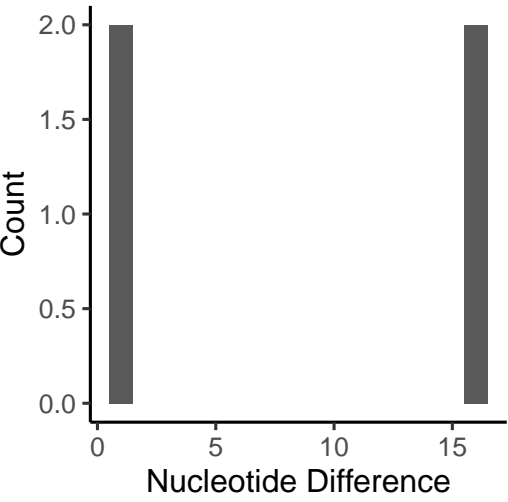


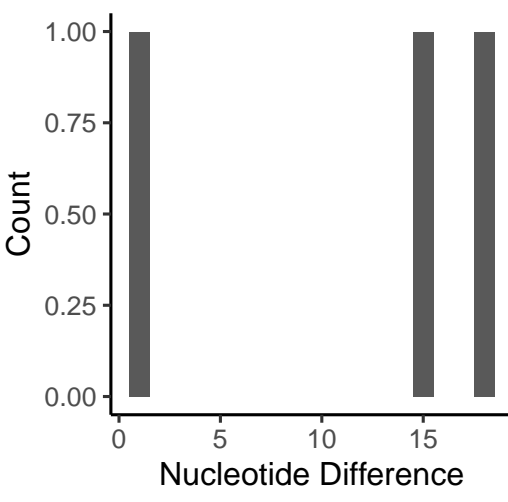
IGHV1-2\*04

4 sequences assigned  
No exact matches.



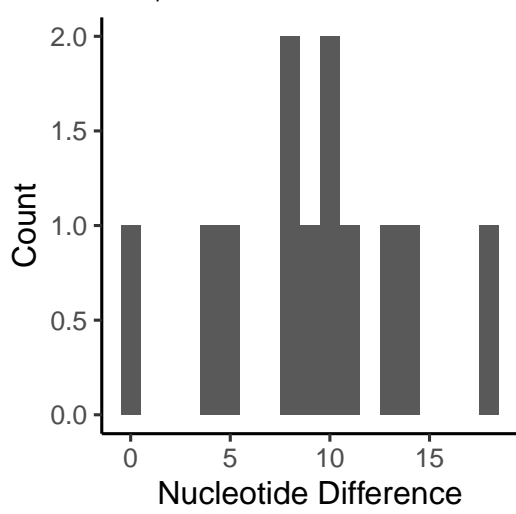
IGHV1-8\*01

3 sequences assigned  
No exact matches.



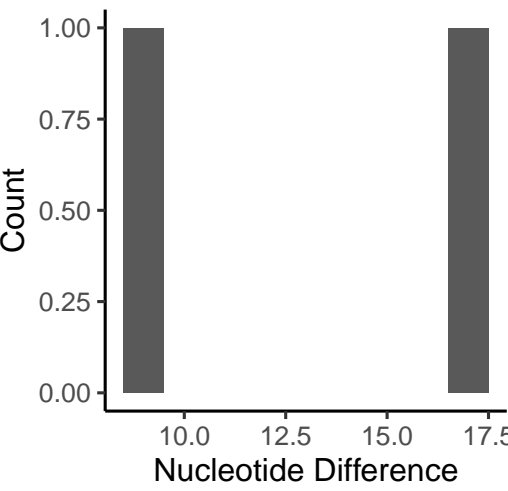
IGHV1-46\*01

13 sequences assigned  
1 (7.7%) exact matches, in which:  
1 unique CDR3  
1 unique J



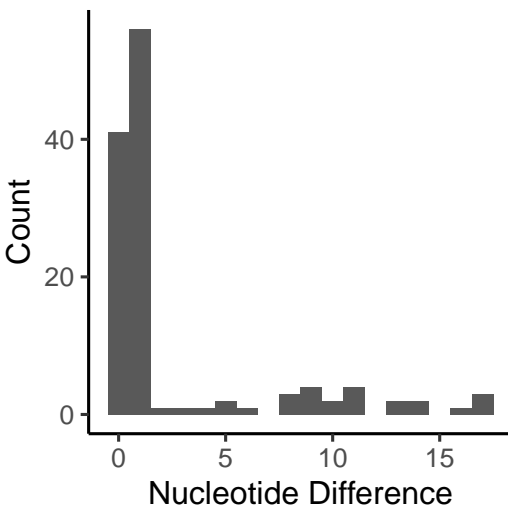
IGHV1-3\*04

3 sequences assigned  
No exact matches.



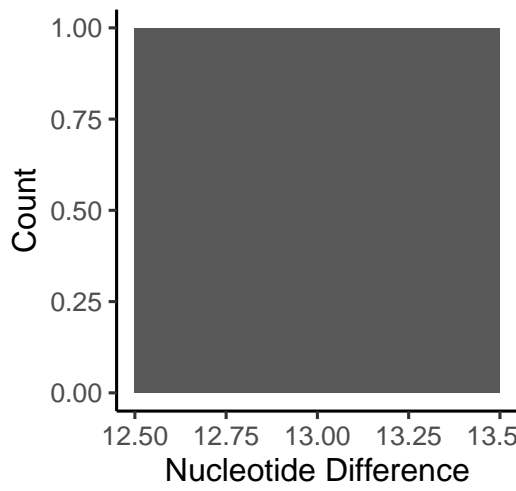
IGHV1-8\*01\_G124T\_G126T\_A173G\_G173G\_T174C\_A174G

125 sequences assigned  
41 (32.8%) exact matches, in which:  
24 unique CDR3  
4 unique J



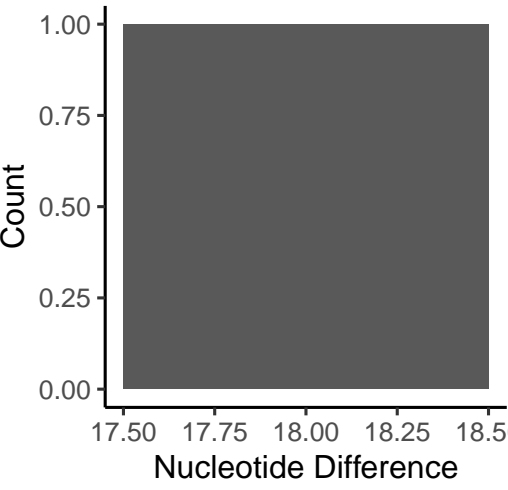
IGHV1-58\*01\_03

1 sequences assigned  
No exact matches.



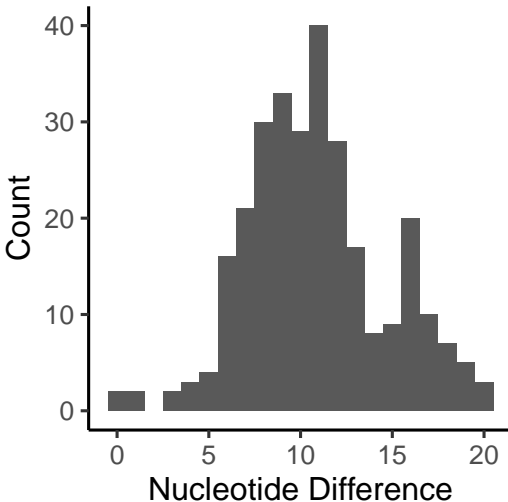
IGHV1-3\*01\_05

2 sequences assigned  
No exact matches.



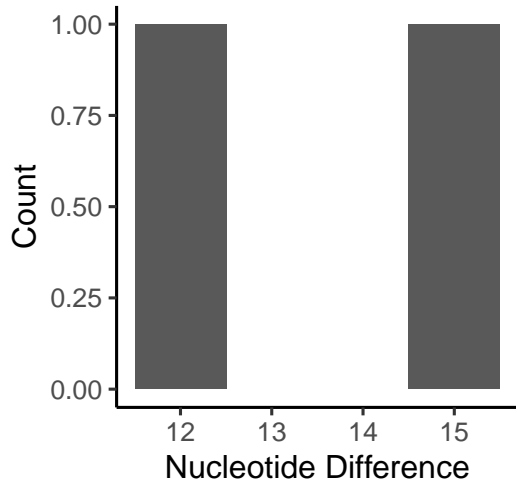
IGHV1-18\*01

299 sequences assigned  
2 (0.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



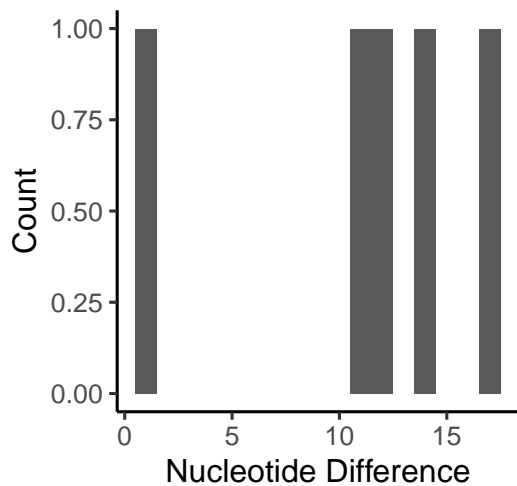
IGHV1-69-2\*01

2 sequences assigned  
No exact matches.



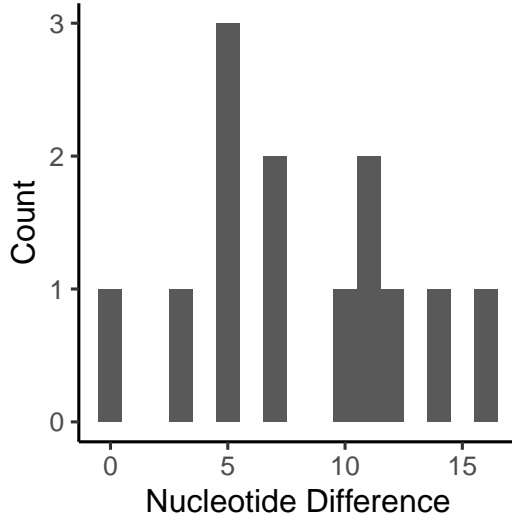
### IGHV1-69\*01\_12\_13

10 sequences assigned  
No exact matches.



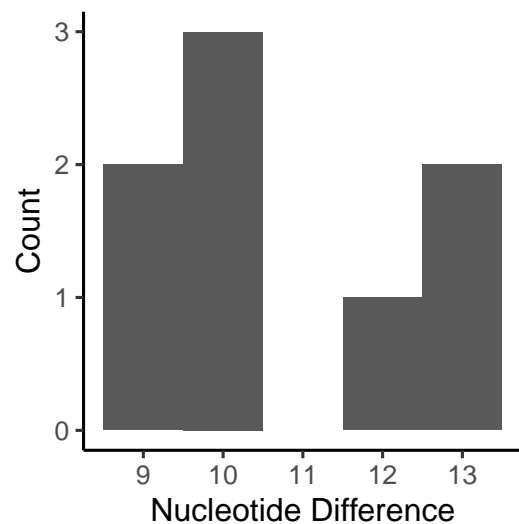
### IGHV3-7\*01

21 sequences assigned  
1 (4.8%) exact matches, in which:  
1 unique CDR3  
1 unique J



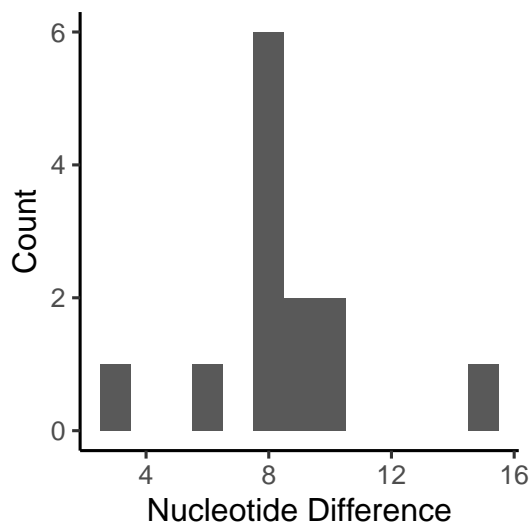
### IGHV3-11\*01

8 sequences assigned  
No exact matches.



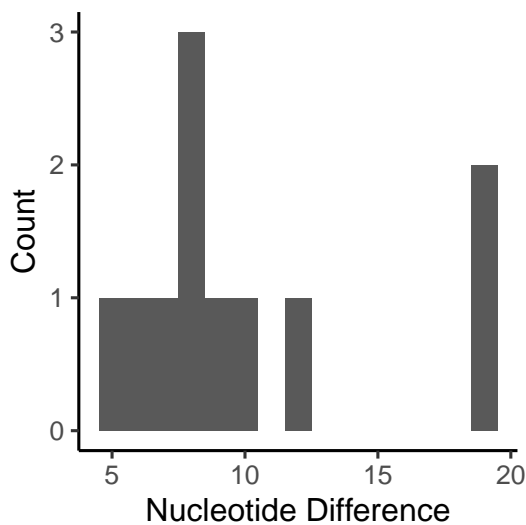
### IGHV1-69\*06\_14

17 sequences assigned  
No exact matches.



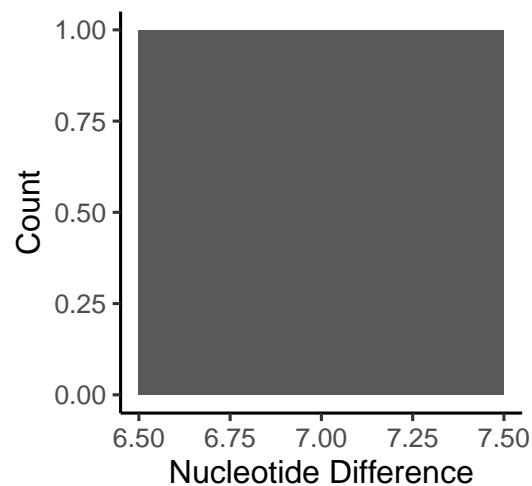
### IGHV3-7\*03

13 sequences assigned  
No exact matches.



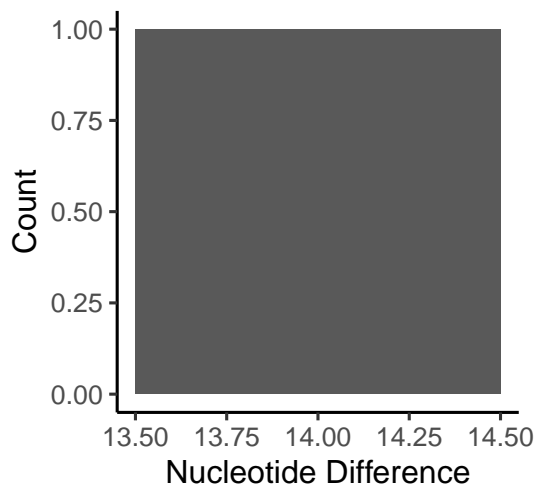
### IGHV3-11\*04

1 sequences assigned  
No exact matches.



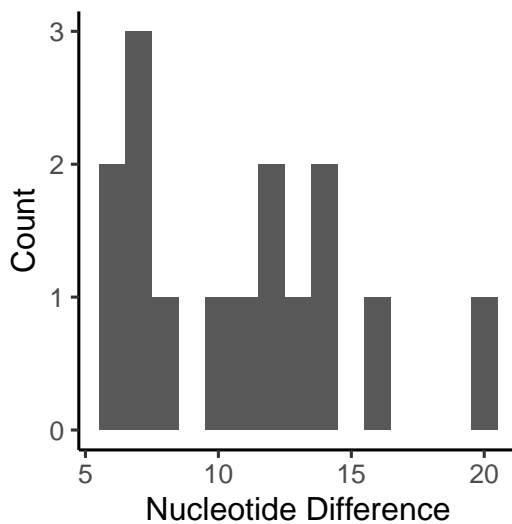
### IGHV2-5\*02

1 sequences assigned  
No exact matches.



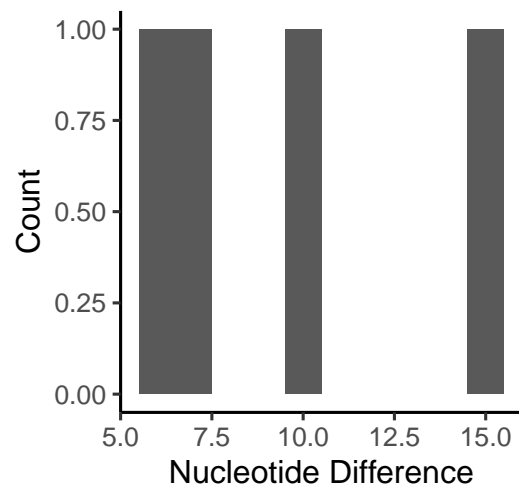
### IGHV3-9\*01

18 sequences assigned  
No exact matches.



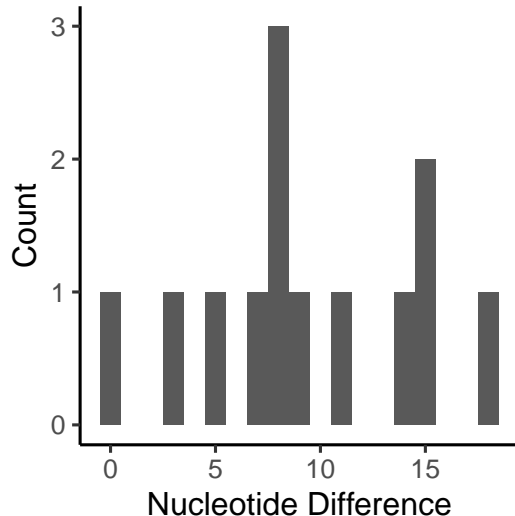
### IGHV3-11\*06

4 sequences assigned  
No exact matches.



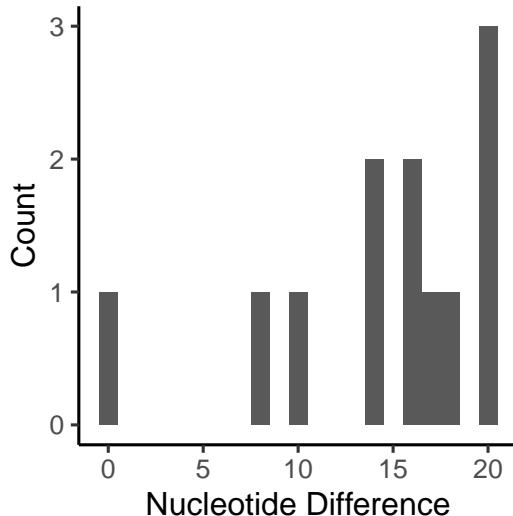
### IGHV3-15\*07

15 sequences assigned  
1 (6.7%) exact matches, in which:  
1 unique CDR3  
1 unique J



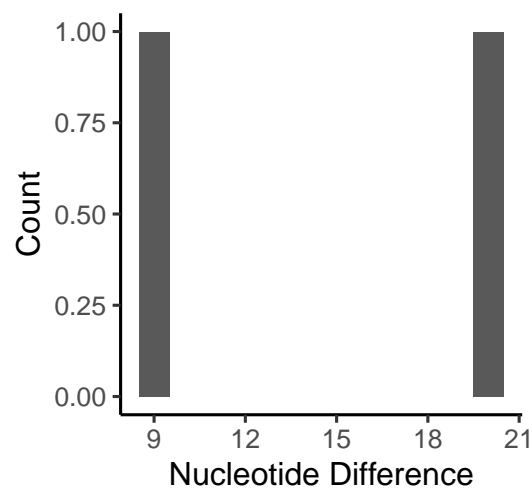
### IGHV3-30-3\*01

15 sequences assigned  
1 (6.7%) exact matches, in which:  
1 unique CDR3  
1 unique J



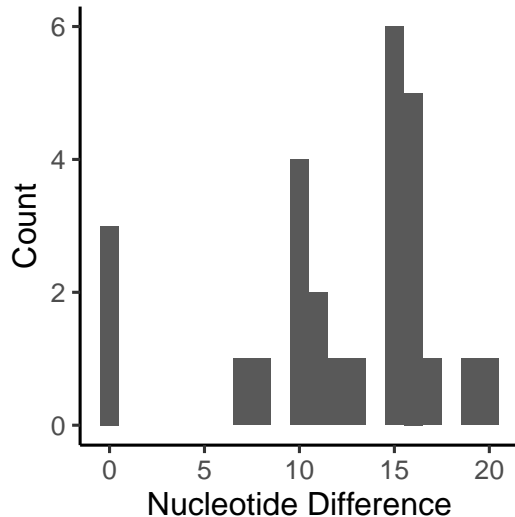
### IGHV3-33\*06

3 sequences assigned  
No exact matches.



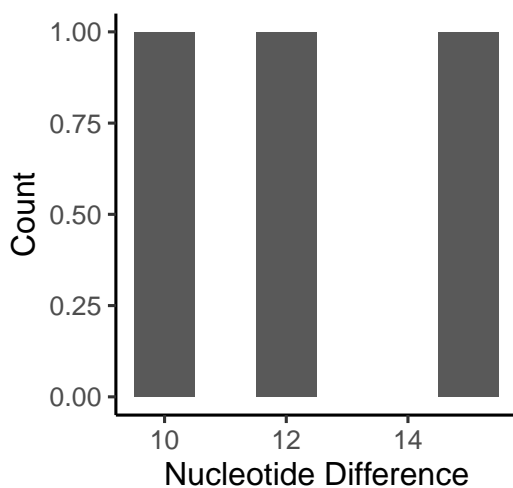
### IGHV3-21\*01\_02

37 sequences assigned  
3 (8.1%) exact matches, in which:  
2 unique CDR3  
1 unique J



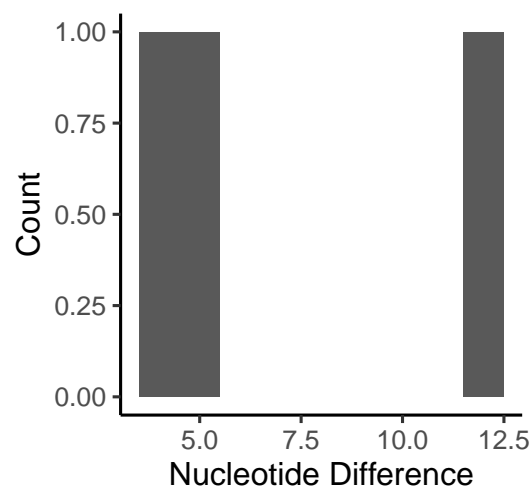
### IGHV3-30\*03

7 sequences assigned  
No exact matches.



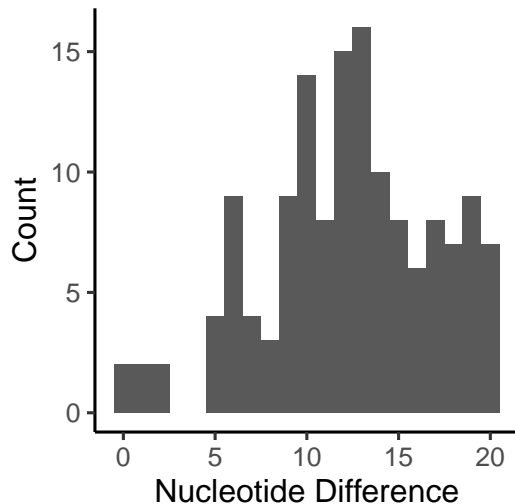
### IGHV3-33\*08

7 sequences assigned  
No exact matches.



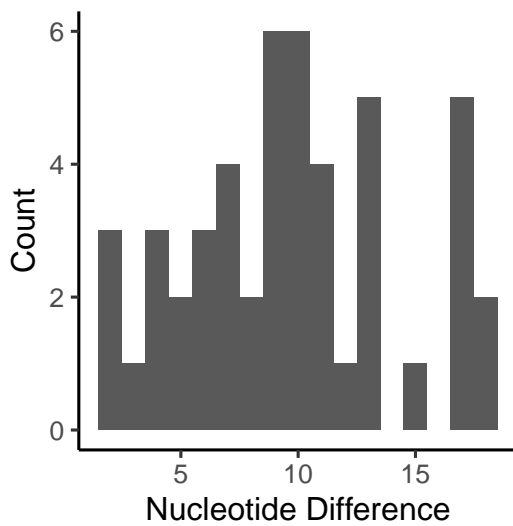
### IGHV3-23\*01\_04

161 sequences assigned  
2 (1.2%) exact matches, in which:  
2 unique CDR3  
2 unique J



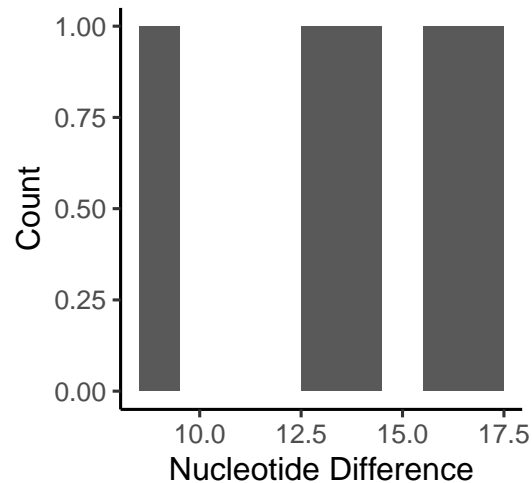
### IGHV3-33\*01

55 sequences assigned  
No exact matches.



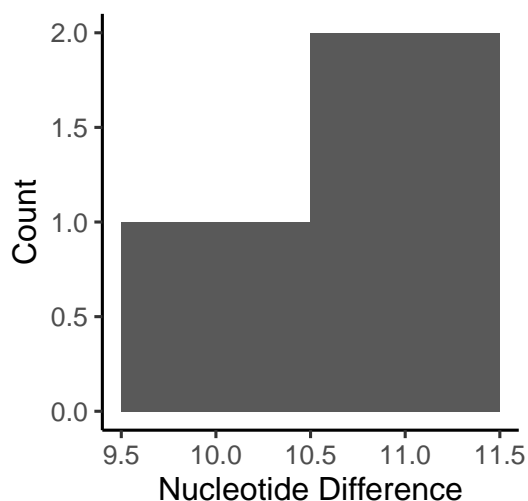
### IGHV3-48\*02

15 sequences assigned  
No exact matches.



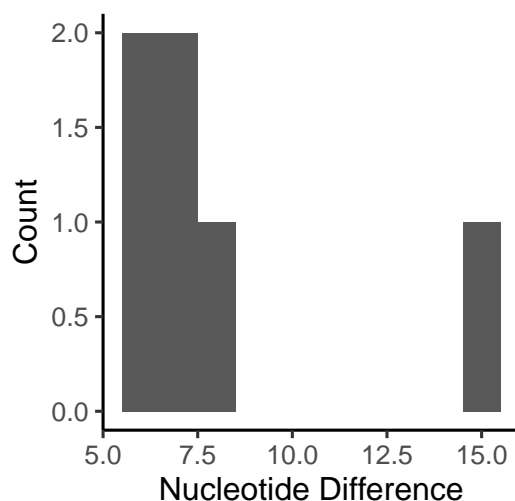
### IGHV3-49\*03\_05

4 sequences assigned  
No exact matches.



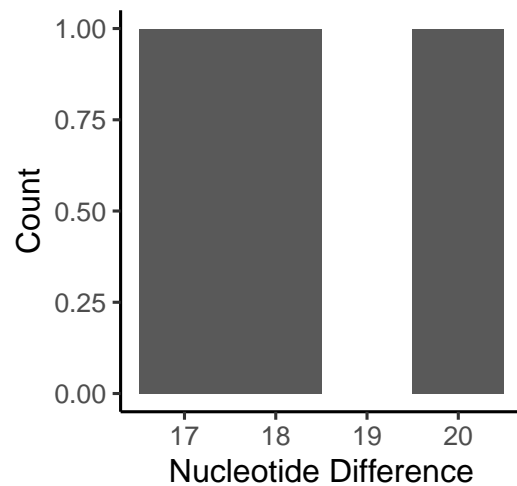
### IGHV3-72\*01

7 sequences assigned  
No exact matches.



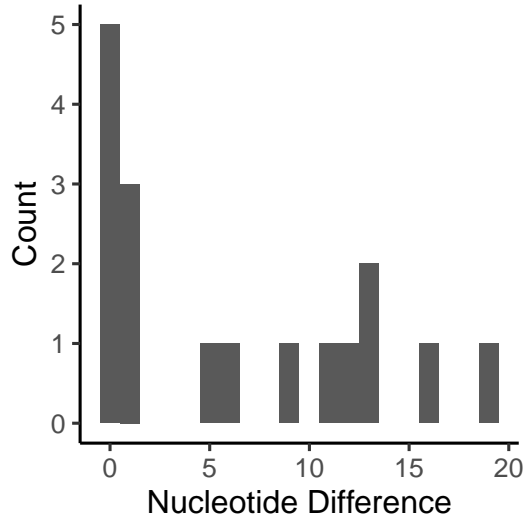
### IGHV3-64D\*06

3 sequences assigned  
No exact matches.



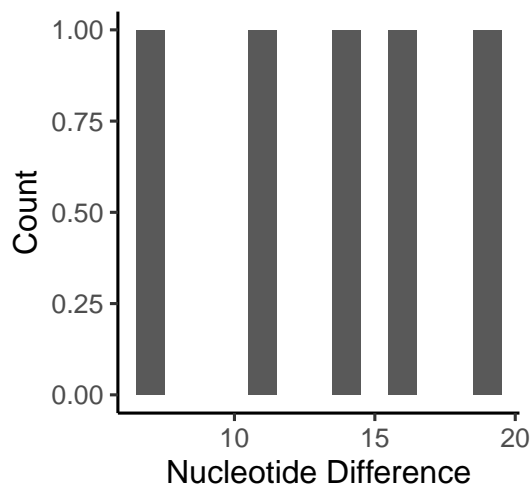
### IGHV3-53\*01\_02

22 sequences assigned  
5 (22.7%) exact matches, in which:  
3 unique CDR3  
3 unique J



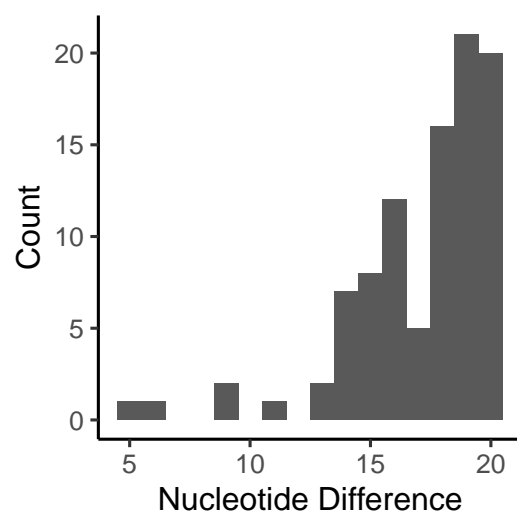
### IGHV3-74\*03

7 sequences assigned  
No exact matches.



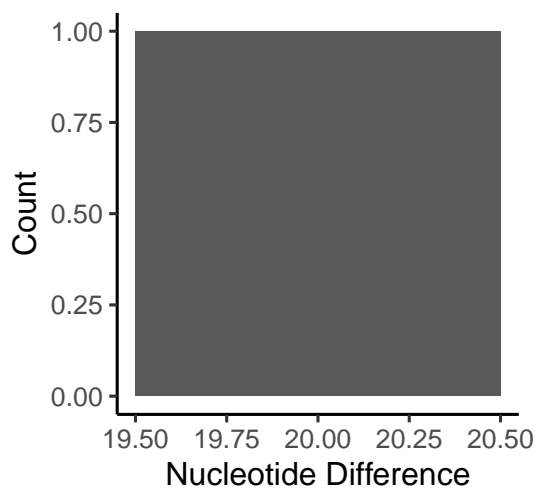
### IGHV4-4\*02\_03

116 sequences assigned  
No exact matches.



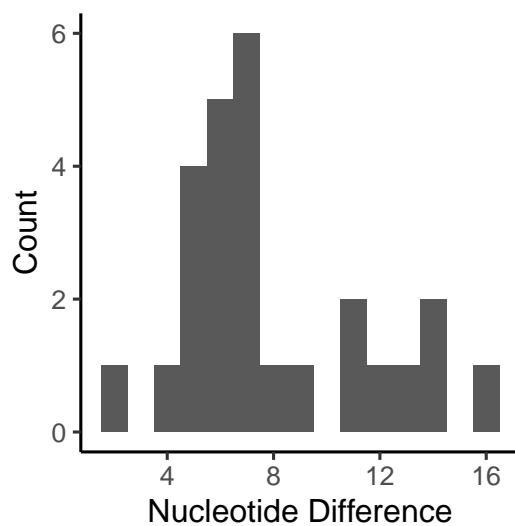
### IGHV3-64\*04

1 sequences assigned  
No exact matches.



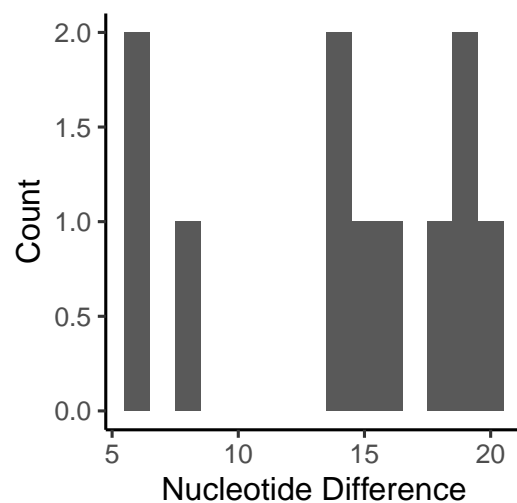
### IGHV3-74\*01\_02

27 sequences assigned  
No exact matches.



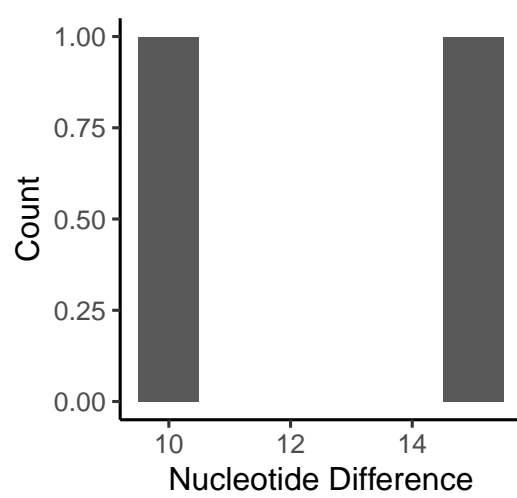
### IGHV4-30-4\*01

218 sequences assigned  
No exact matches.



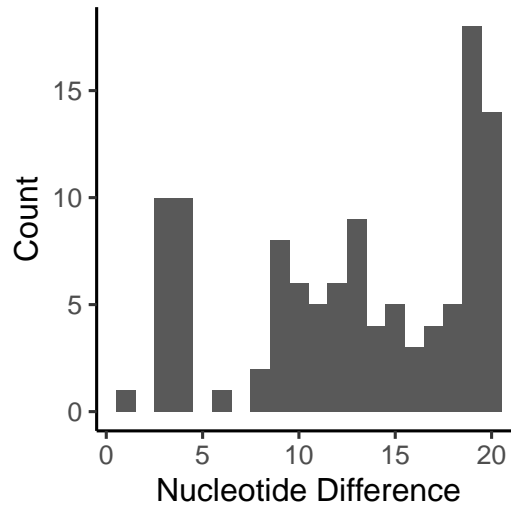
### IGHV4-30-4\*08

19 sequences assigned  
No exact matches.



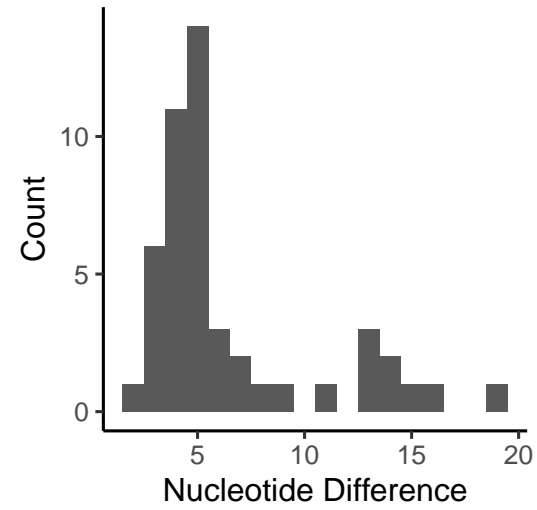
### IGHV4-39\*02

146 sequences assigned  
No exact matches.



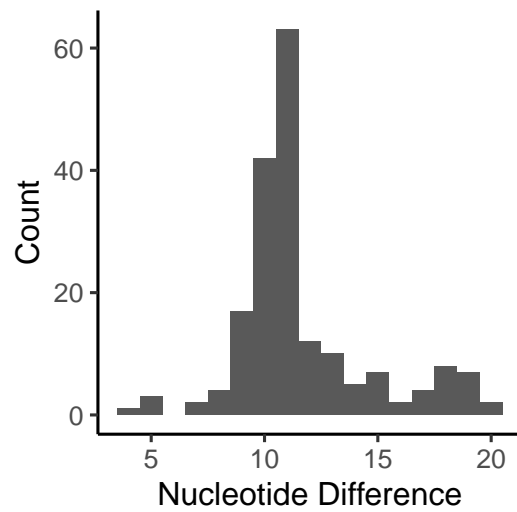
### IGHV4-59\*01\_07

55 sequences assigned  
No exact matches.



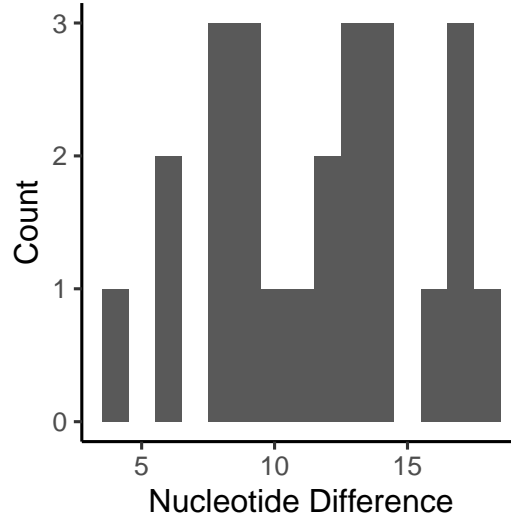
### IGHV4-31\*02

218 sequences assigned  
No exact matches.



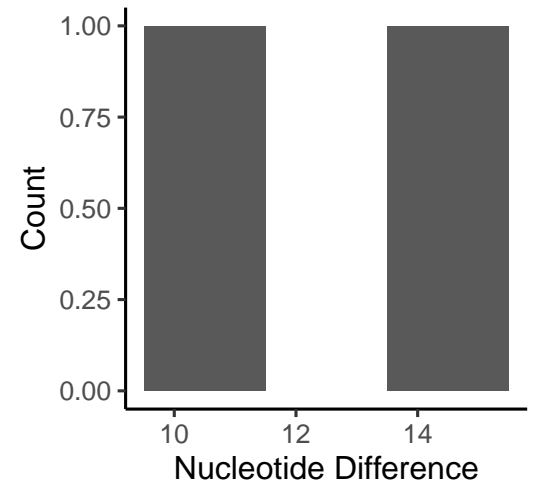
### IGHV4-39\*07

30 sequences assigned  
No exact matches.



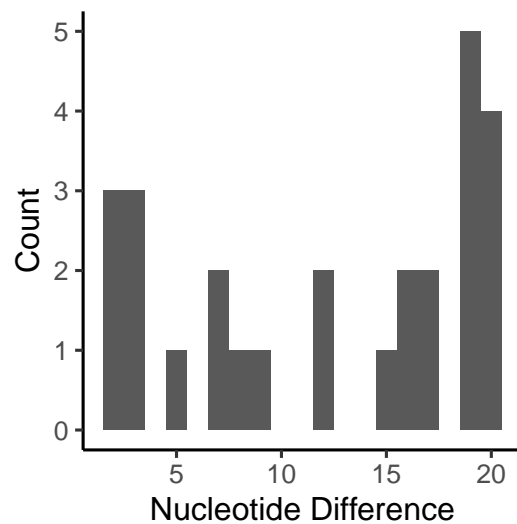
### IGHV4-59\*11

5 sequences assigned  
No exact matches.



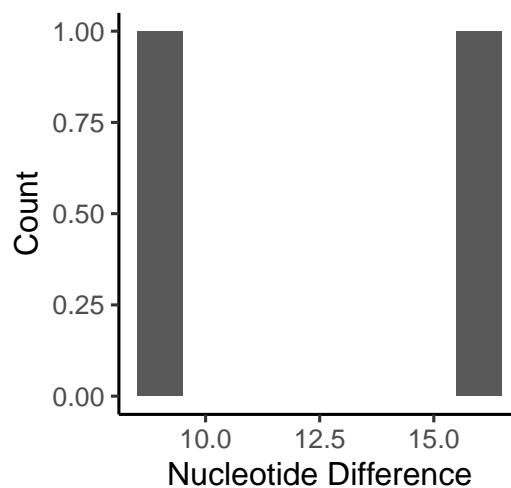
### IGHV4-34\*01\_02

33 sequences assigned  
No exact matches.



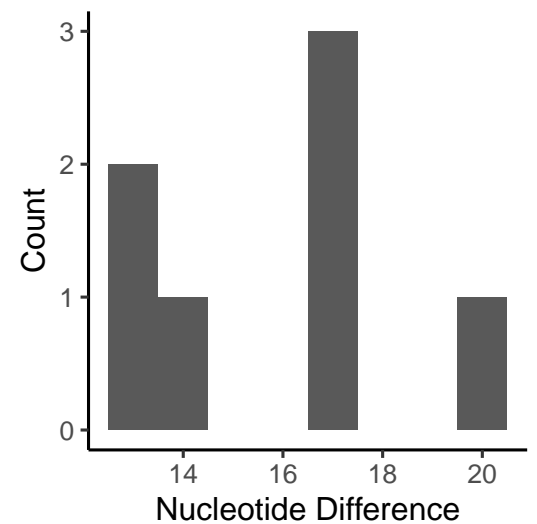
### IGHV4-59\*02

2 sequences assigned  
No exact matches.



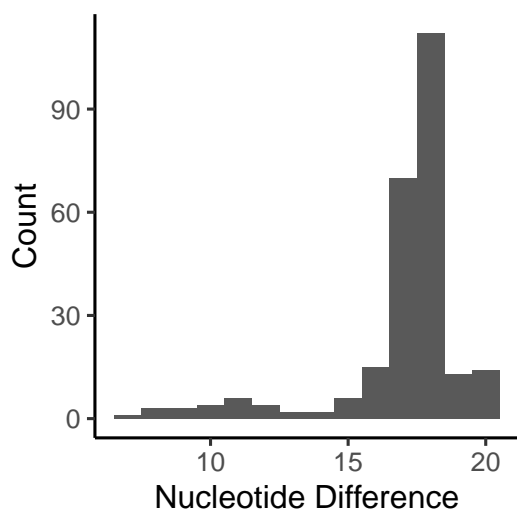
### IGHV4-59\*13

7 sequences assigned  
No exact matches.



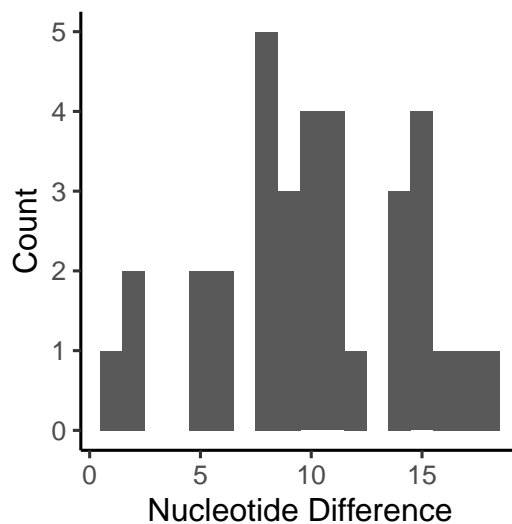
### IGHV4-61\*01

299 sequences assigned  
No exact matches.



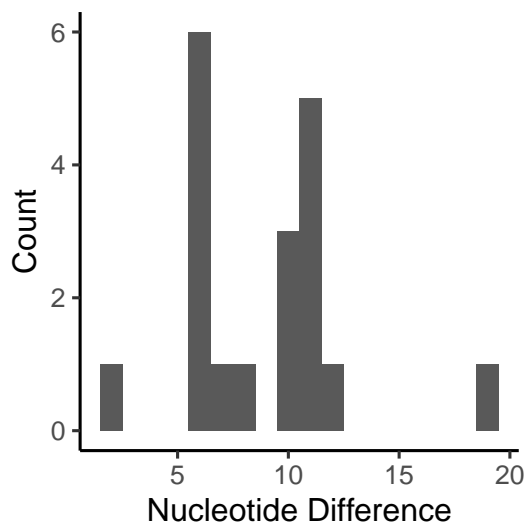
### IGHV5-51\*01\_03

39 sequences assigned  
No exact matches.



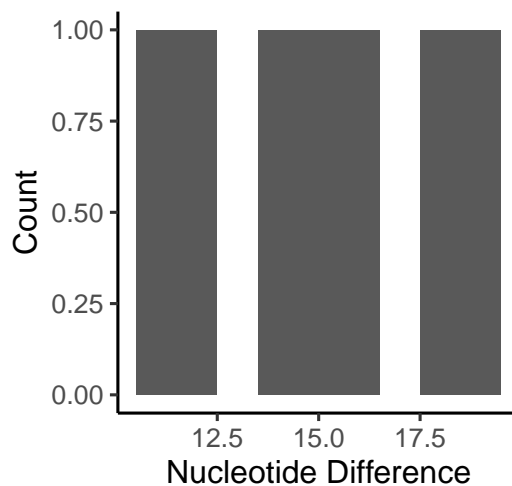
### IGHV5-10-1\*01\_03

21 sequences assigned  
No exact matches.



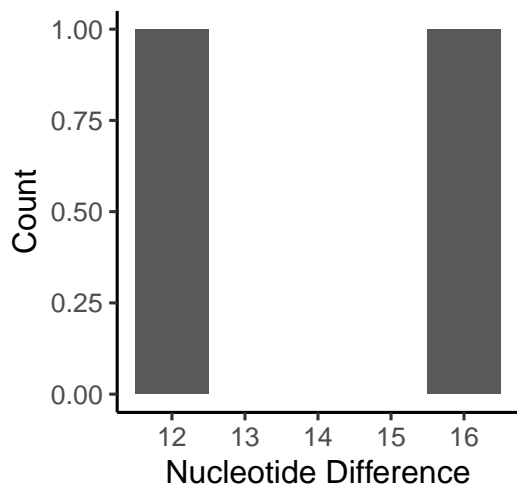
### IGHV6-1\*01\_02

9 sequences assigned  
No exact matches.



### IGHV5-51\*07

11 sequences assigned  
No exact matches.





Warning – no inferred sequences found.