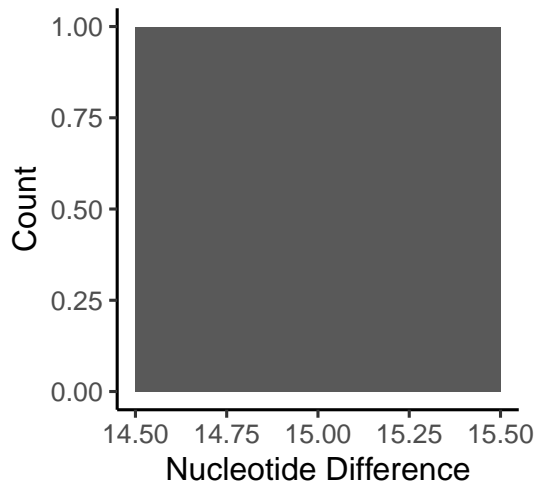


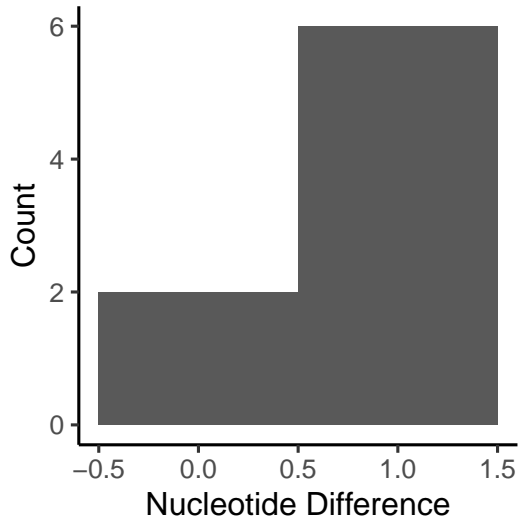
### IGHV1-2\*02

1 sequences assigned  
No exact matches.



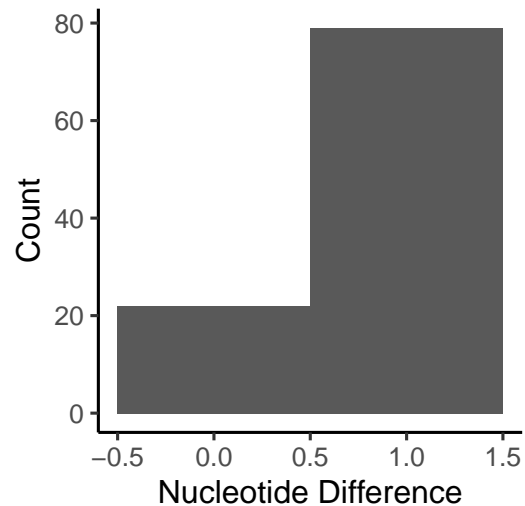
### IGHV1-18\*04

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



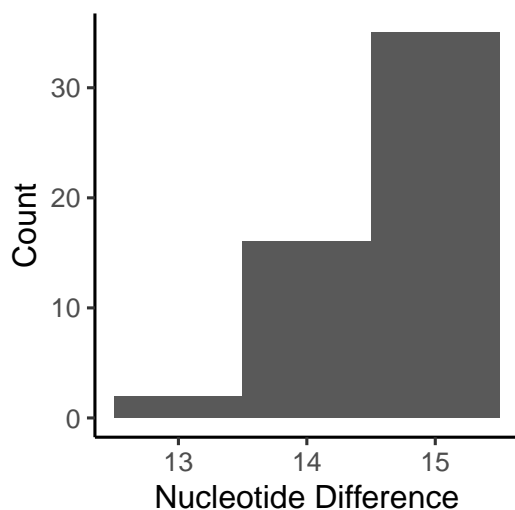
### IGHV2-5\*01

101 sequences assigned  
22 (21.8%) exact matches, in which:  
11 unique CDR3  
1 unique J



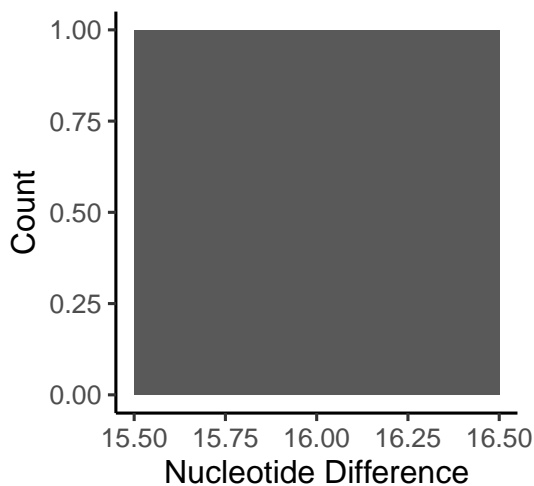
### IGHV1-2\*04

53 sequences assigned  
No exact matches.



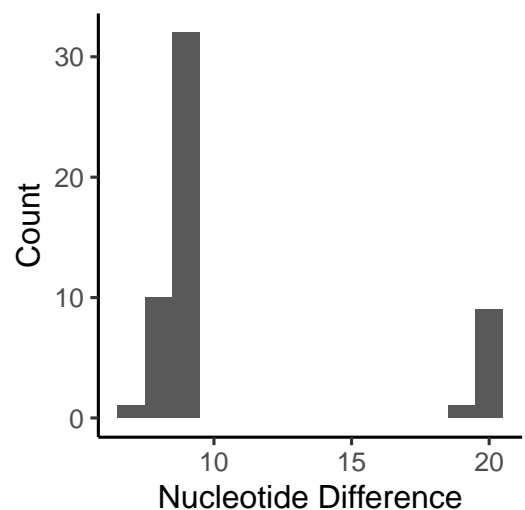
### IGHV1-46\*01

1 sequences assigned  
No exact matches.



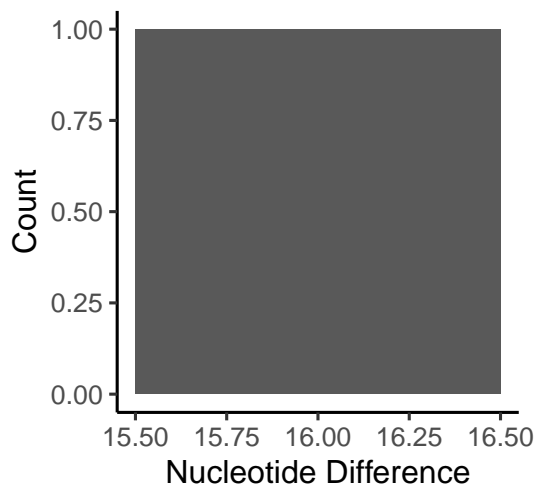
### IGHV3-7\*01

94 sequences assigned  
No exact matches.



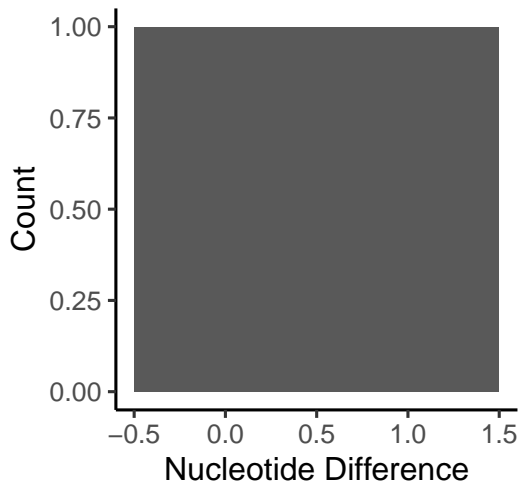
### IGHV1-18\*01

1 sequences assigned  
No exact matches.



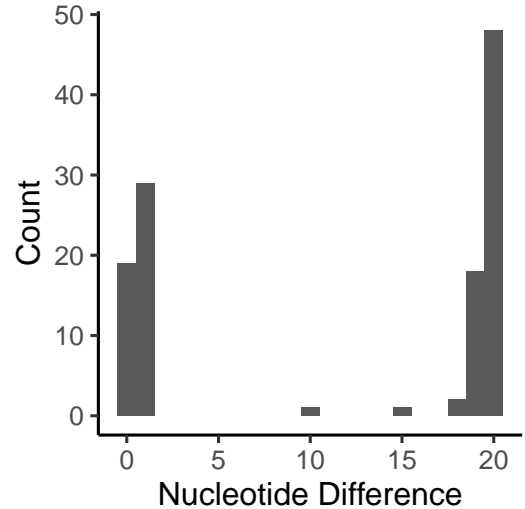
### IGHV1-46\*03

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



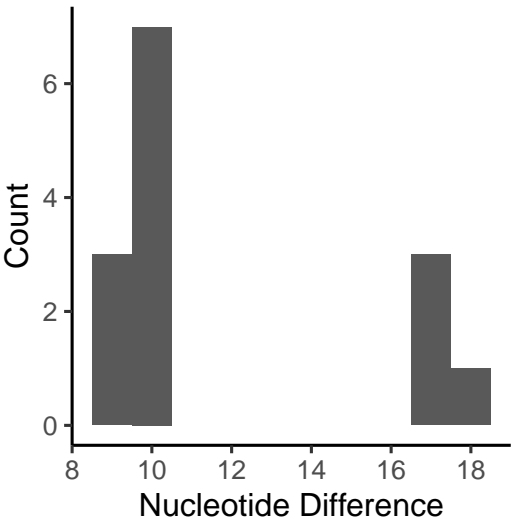
### IGHV3-7\*03

119 sequences assigned  
19 (16%) exact matches, in which:  
13 unique CDR3  
1 unique J



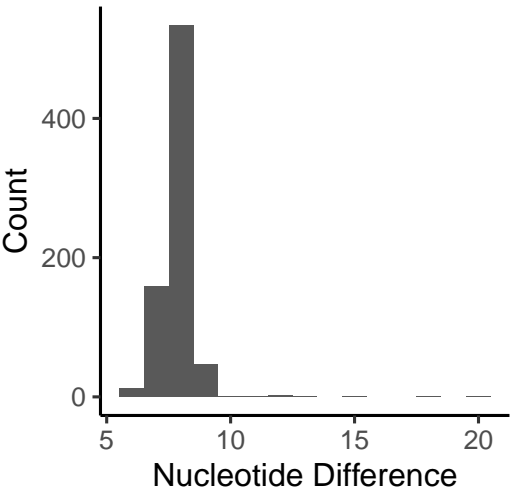
IGHV3-9\*01

15 sequences assigned  
No exact matches.



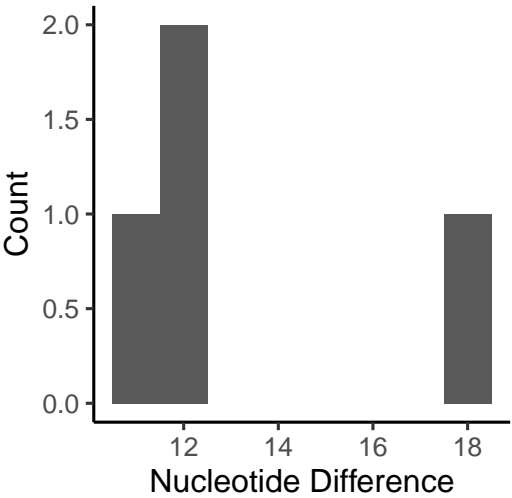
IGHV3-15\*01\_02

759 sequences assigned  
No exact matches.



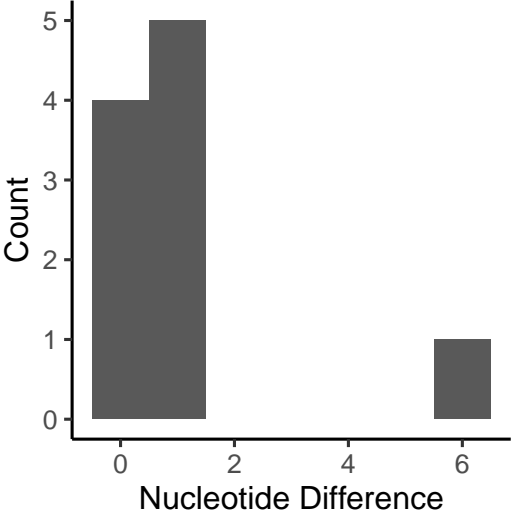
IGHV3-48\*03

4 sequences assigned  
No exact matches.



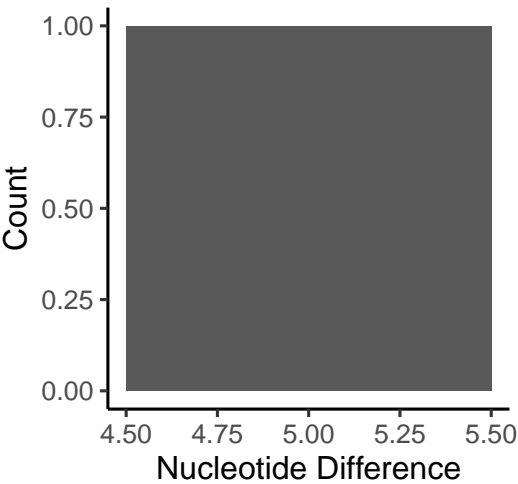
IGHV3-11\*04

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



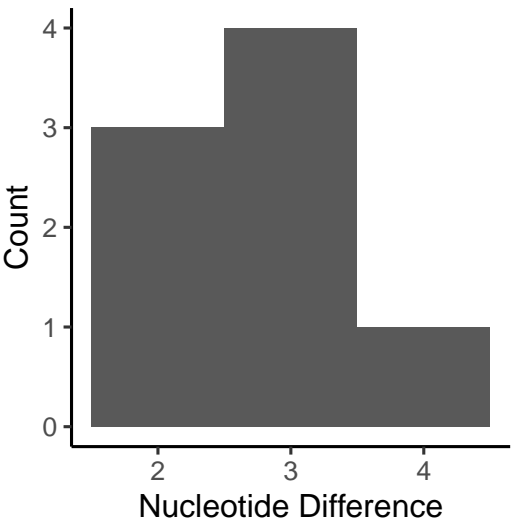
IGHV3-21\*01\_02

1 sequences assigned  
No exact matches.



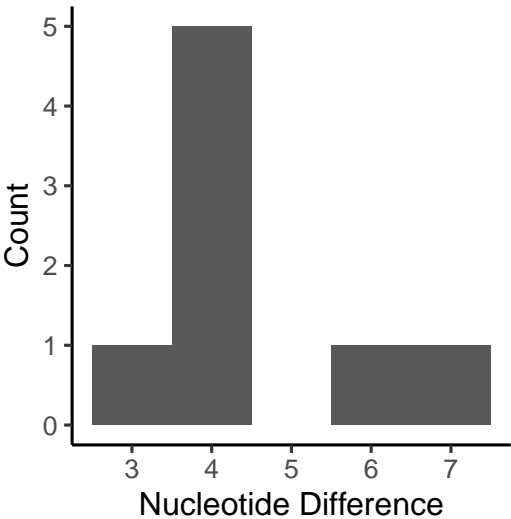
IGHV3-66\*01

8 sequences assigned  
No exact matches.



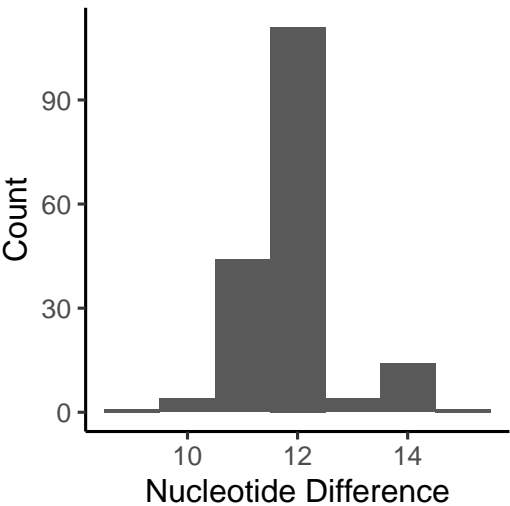
IGHV3-13\*01

8 sequences assigned  
No exact matches.



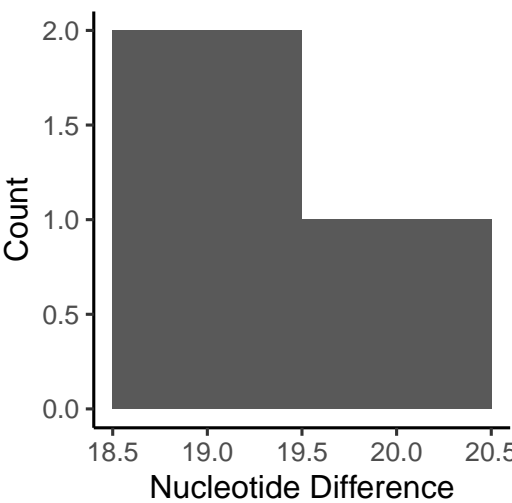
IGHV3-23\*01\_04

183 sequences assigned  
No exact matches.



IGHV3-74\*03

3 sequences assigned  
No exact matches.



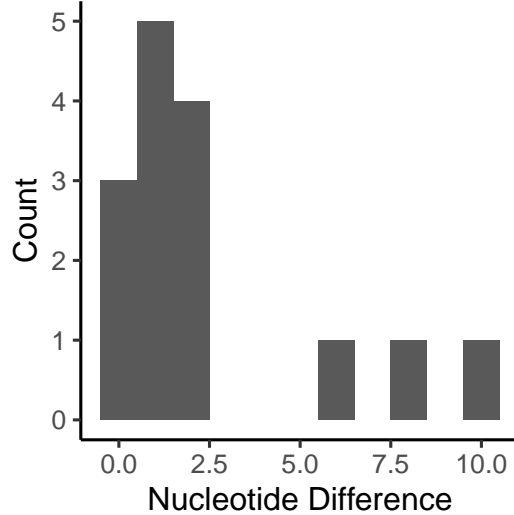
### IGHV3-74\*01\_02

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



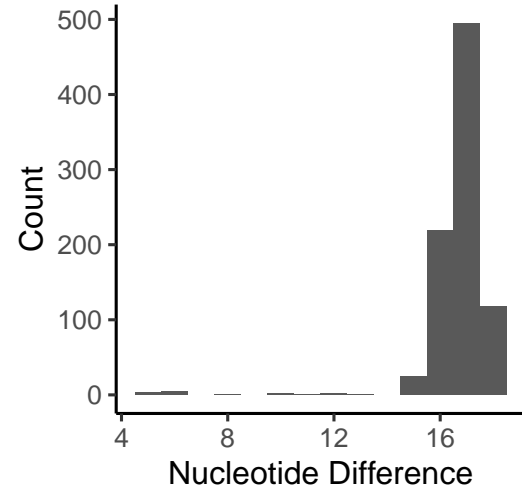
### IGHV4-34\*01\_02

15 sequences assigned  
3 (20%) exact matches, in which:  
2 unique CDR3  
1 unique J



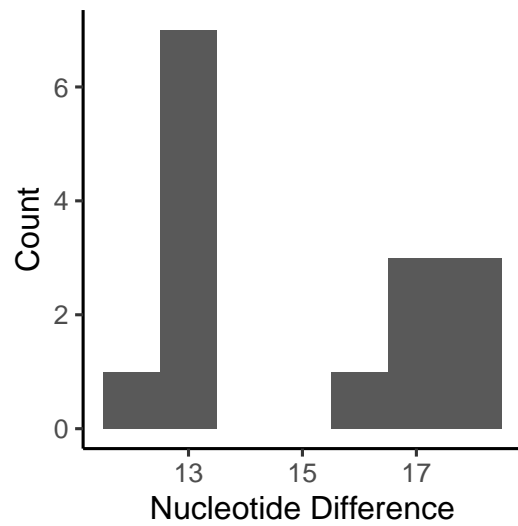
### IGHV4-59\*01\_07

873 sequences assigned  
No exact matches.



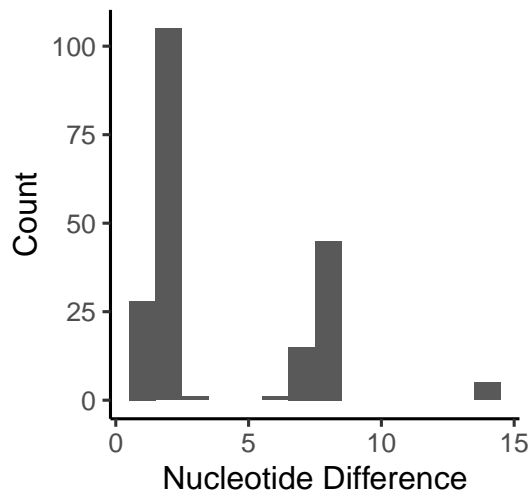
### IGHV4-4\*07

15 sequences assigned  
No exact matches.



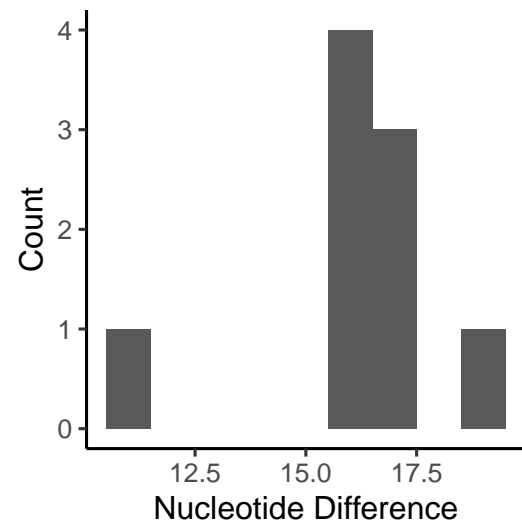
### IGHV4-39\*02

201 sequences assigned  
No exact matches.



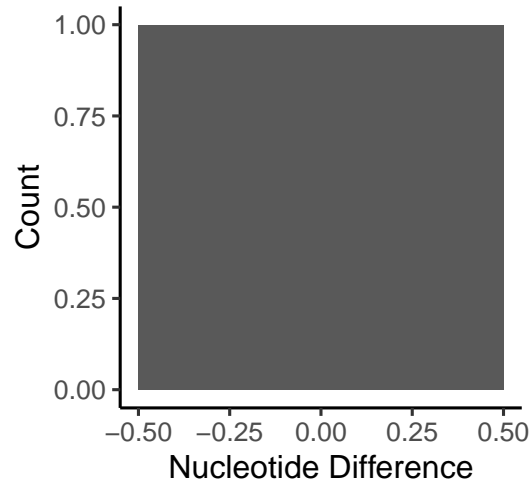
### IGHV4-59\*12

9 sequences assigned  
No exact matches.



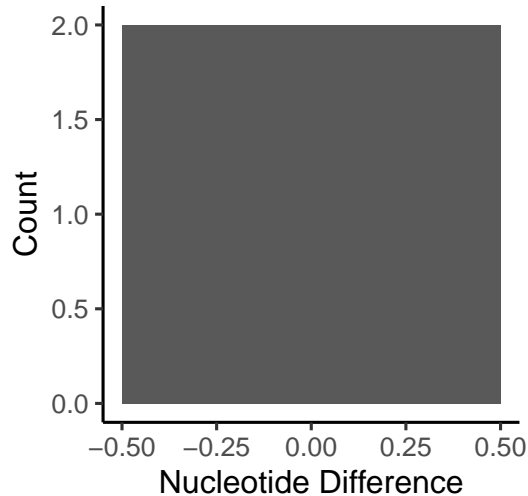
### IGHV4-31\*02

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



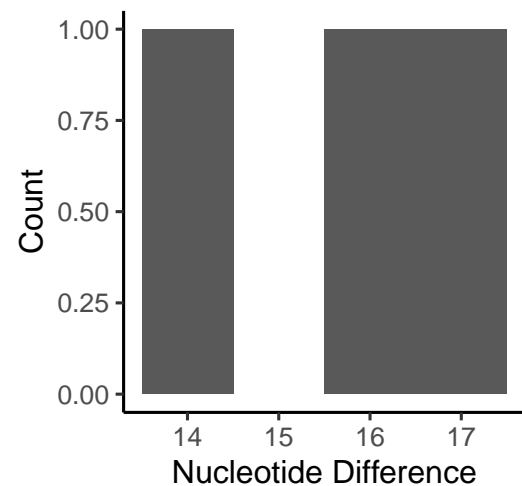
### IGHV4-39\*01\_05

7 sequences assigned  
2 (28.6%) exact matches, in which:  
2 unique CDR3  
1 unique J



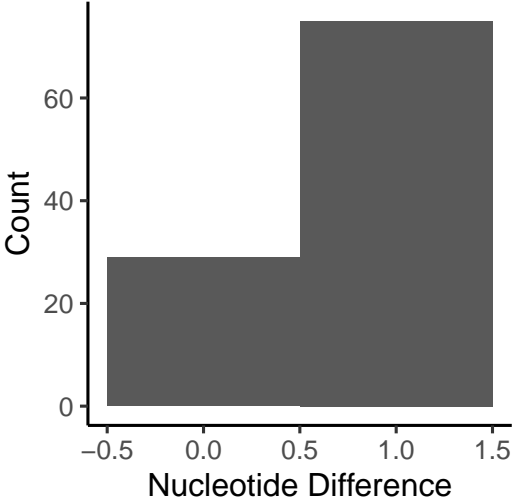
### IGHV4-61\*08

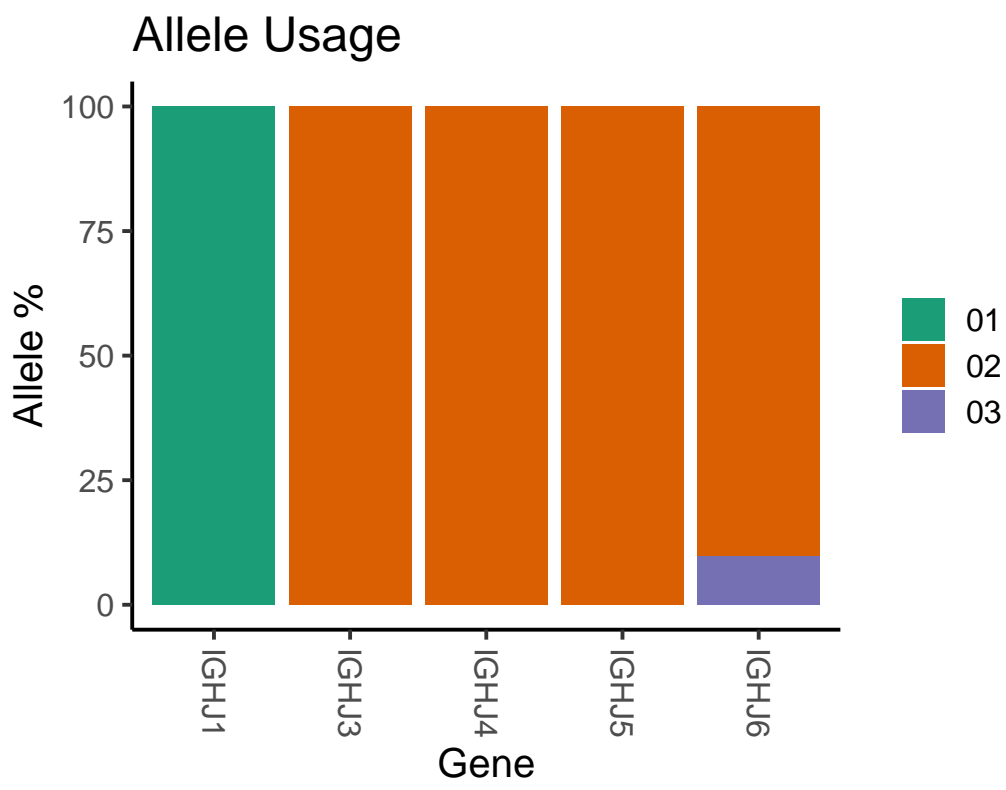
4 sequences assigned  
No exact matches.



# IGHV5-51\*01\_03

104 sequences assigned  
29 (27.9%) exact matches, in which:  
13 unique CDR3  
1 unique J





Warning – no inferred sequences found.