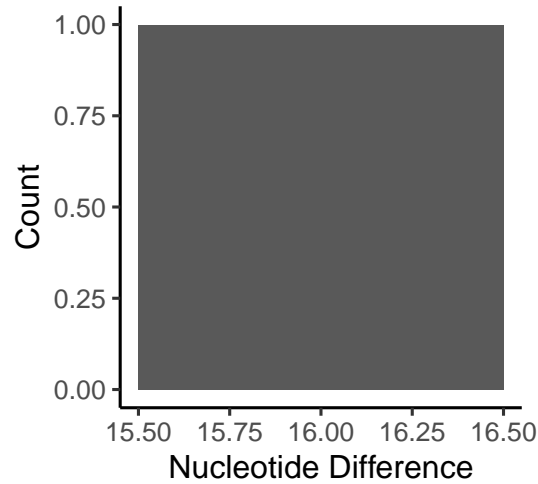


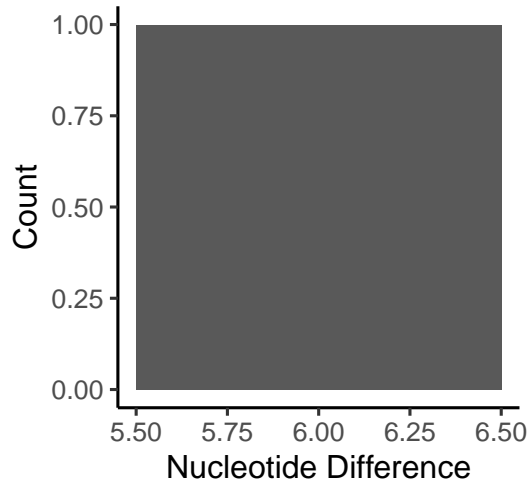
### IGHV1-2\*02

1 sequences assigned  
No exact matches.



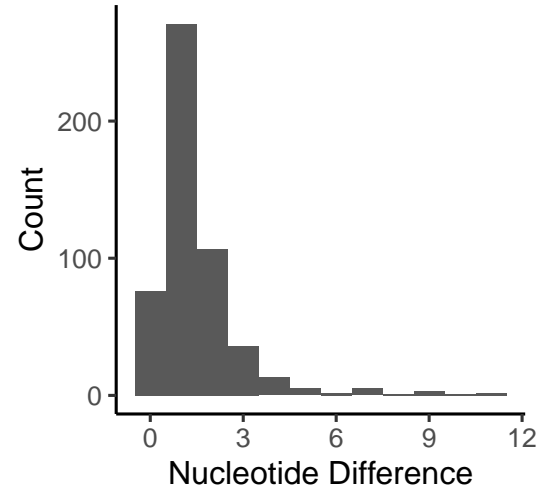
### IGHV1-8\*02

1 sequences assigned  
No exact matches.



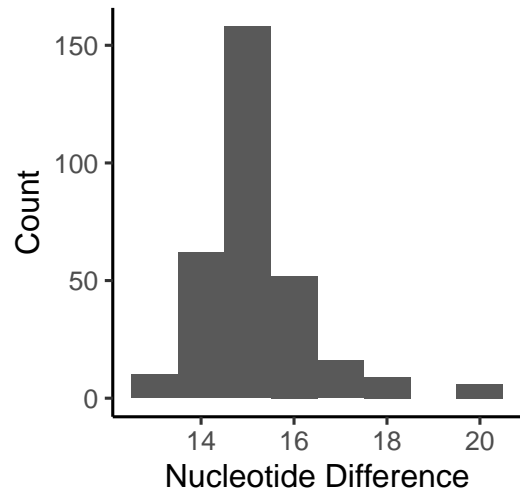
### IGHV2-5\*01

522 sequences assigned  
76 (14.6%) exact matches, in which:  
48 unique CDR3  
1 unique J



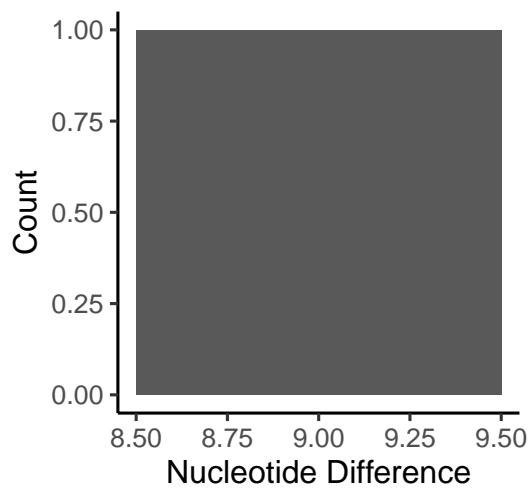
### IGHV1-2\*04

313 sequences assigned  
No exact matches.



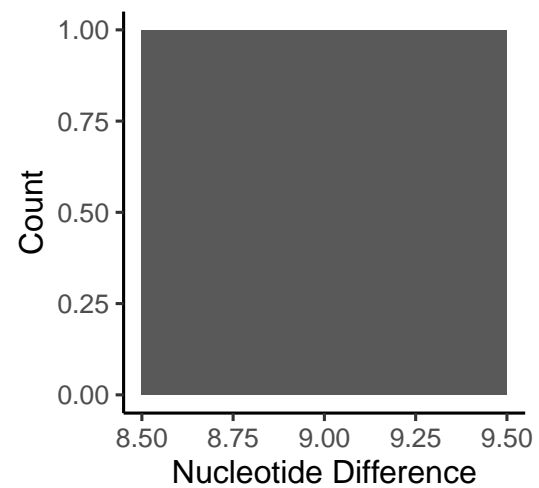
### IGHV1-18\*04

1 sequences assigned  
No exact matches.



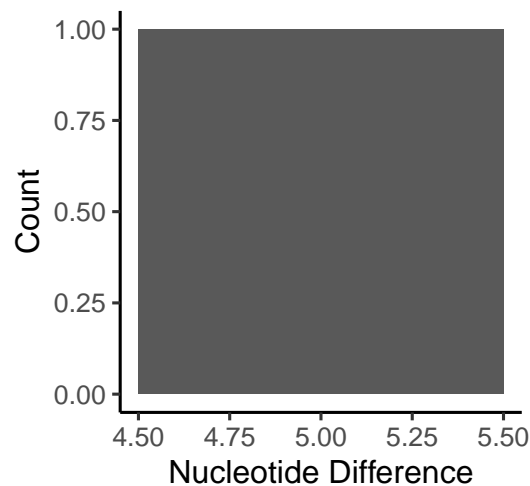
### IGHV2-26\*01

1 sequences assigned  
No exact matches.



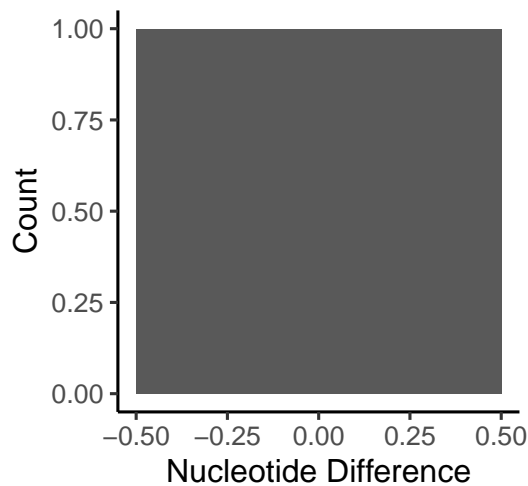
### IGHV1-8\*01

1 sequences assigned  
No exact matches.



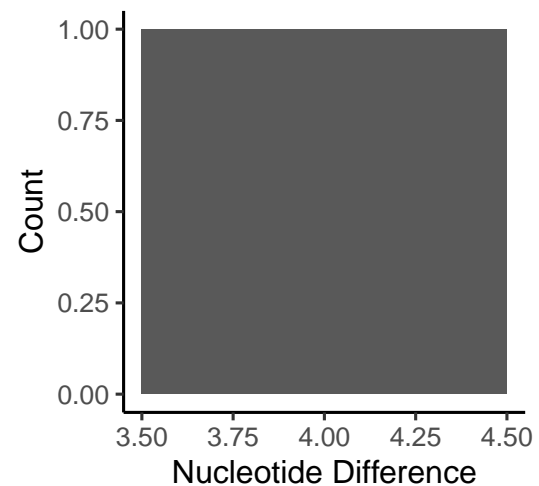
### IGHV1-69\*01\_12\_13

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



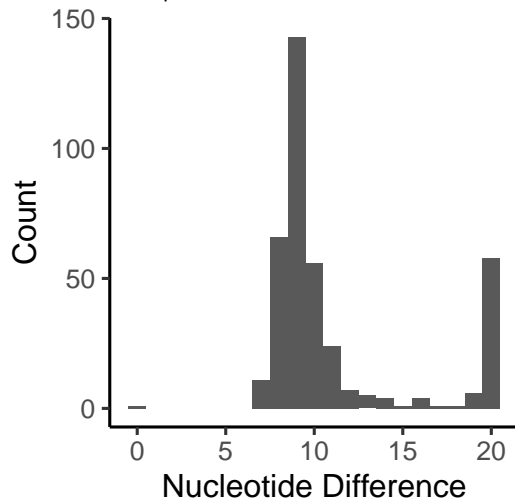
### IGHV2-70\*01

1 sequences assigned  
No exact matches.



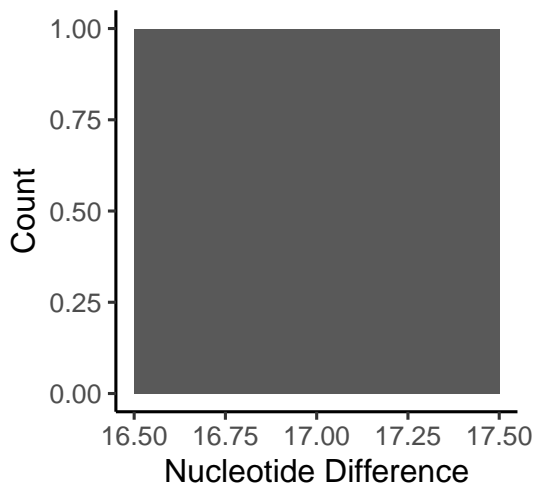
### IGHV3-7\*01

539 sequences assigned  
1 (0.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



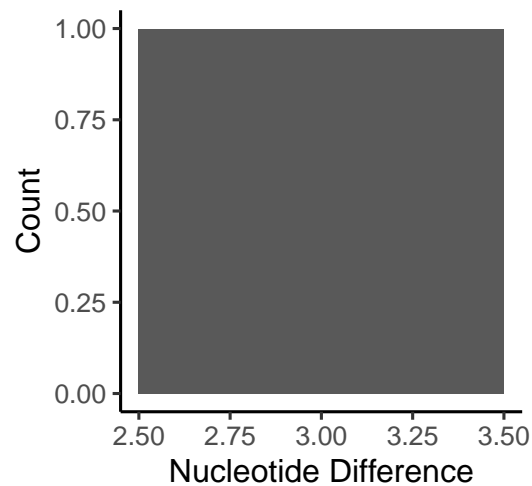
### IGHV3-11\*01

1 sequences assigned  
No exact matches.



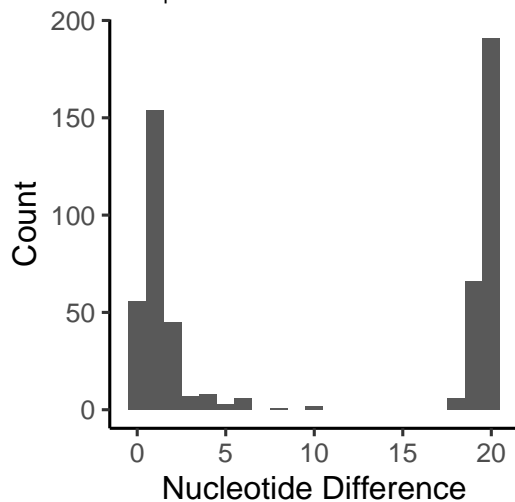
### IGHV3-21\*01\_02

1 sequences assigned  
No exact matches.



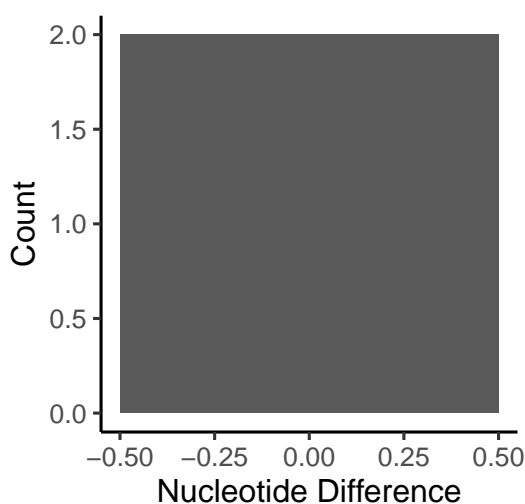
### IGHV3-7\*03

653 sequences assigned  
56 (8.6%) exact matches, in which:  
39 unique CDR3  
1 unique J



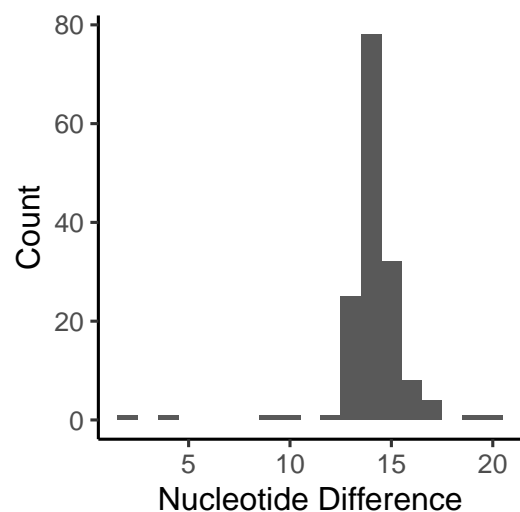
### IGHV3-11\*06

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



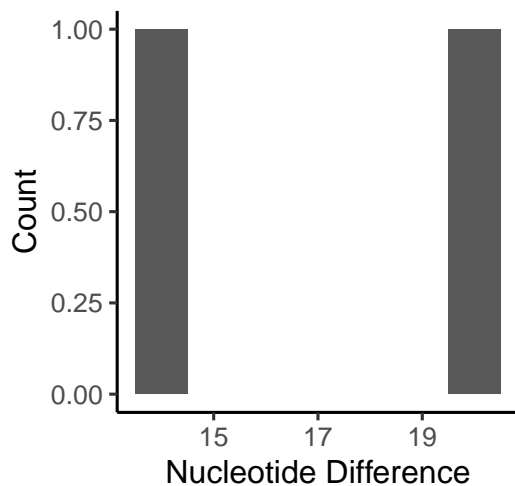
### IGHV3-23\*01\_04

154 sequences assigned  
No exact matches.



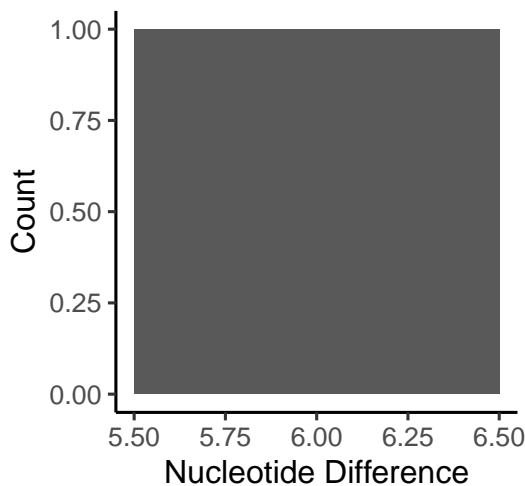
### IGHV3-7\*04

2 sequences assigned  
No exact matches.



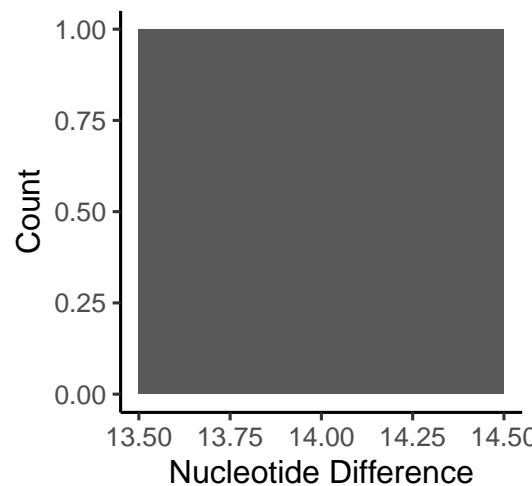
### IGHV3-13\*01

1 sequences assigned  
No exact matches.



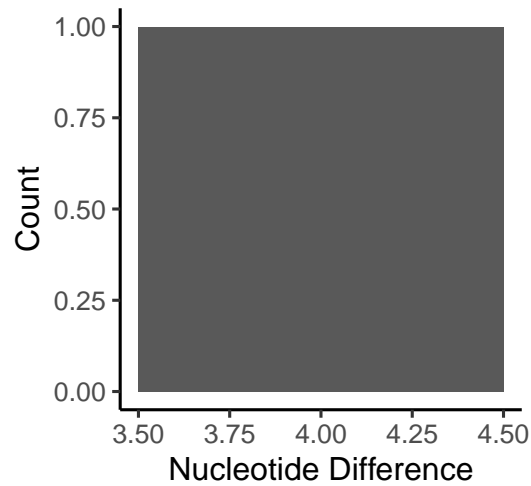
### IGHV3-30-3\*01

1 sequences assigned  
No exact matches.



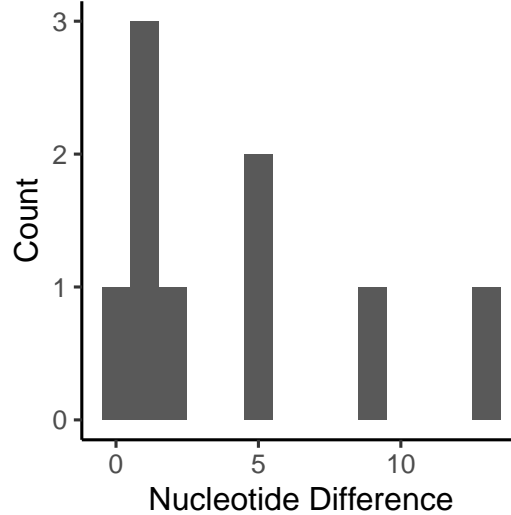
### IGHV3-33\*01

1 sequences assigned  
No exact matches.



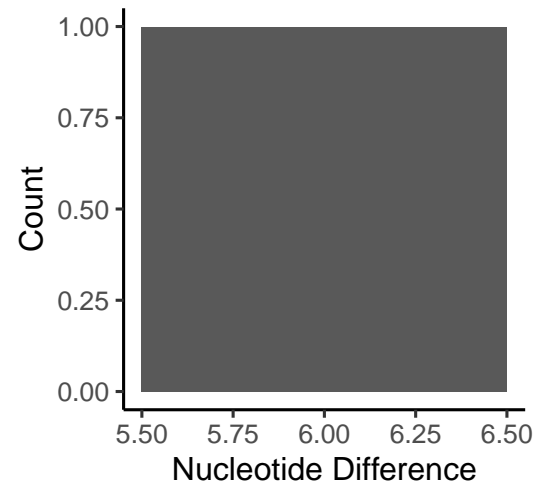
### IGHV3-74\*01\_02

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



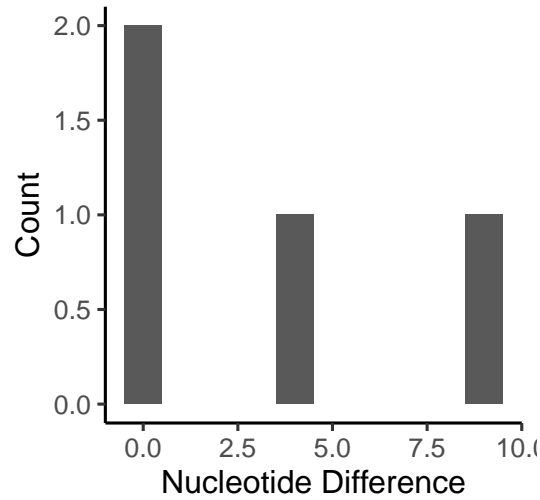
### IGHV4-39\*07

1 sequences assigned  
No exact matches.



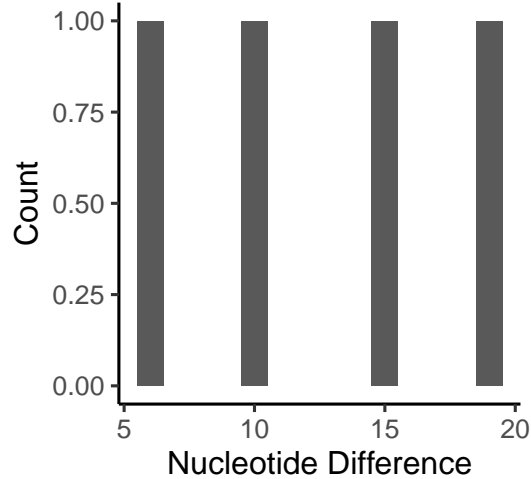
### IGHV3-48\*02

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



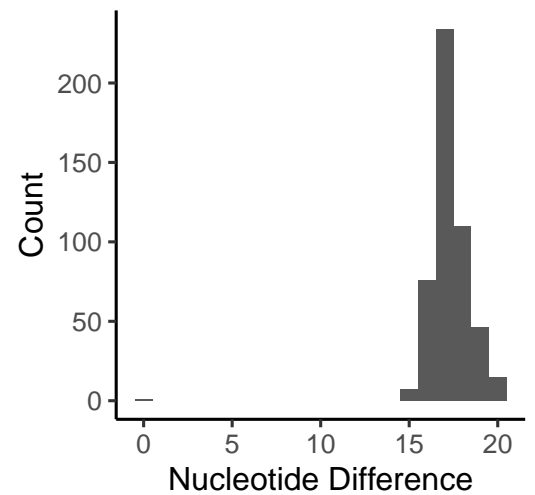
### IGHV4-4\*07

4 sequences assigned  
No exact matches.



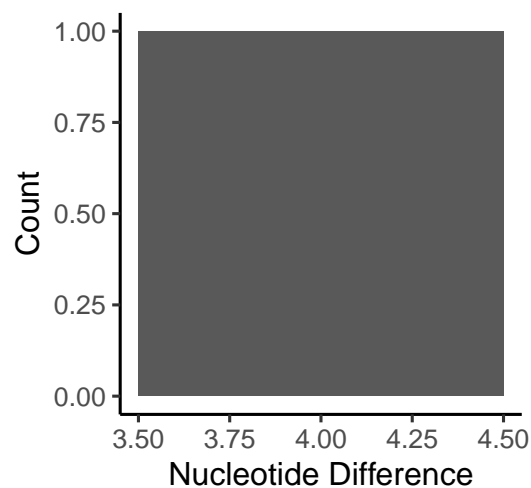
### IGHV4-59\*01\_07

509 sequences assigned  
1 (0.2%) exact matches, in which:  
1 unique CDR3  
1 unique J



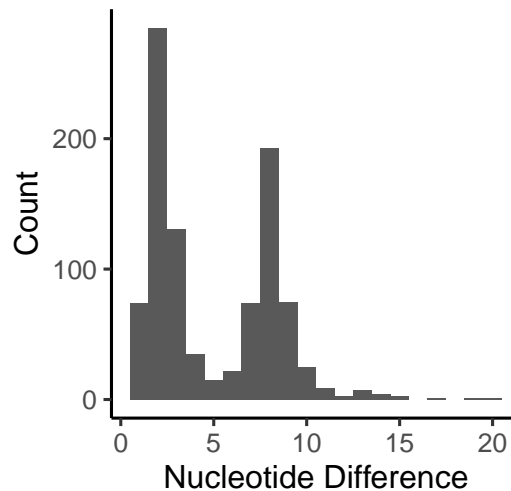
### IGHV3-48\*03

1 sequences assigned  
No exact matches.



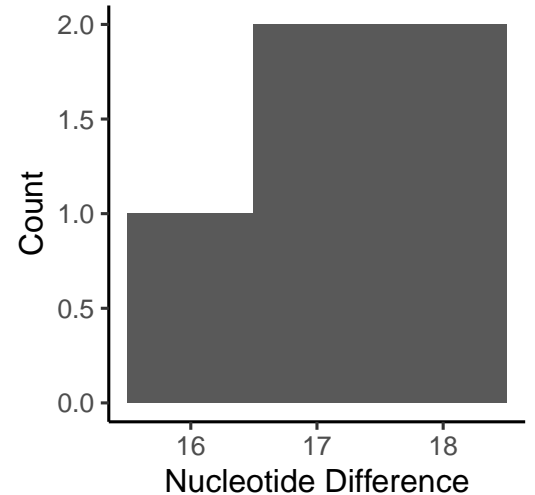
### IGHV4-39\*02

958 sequences assigned  
No exact matches.



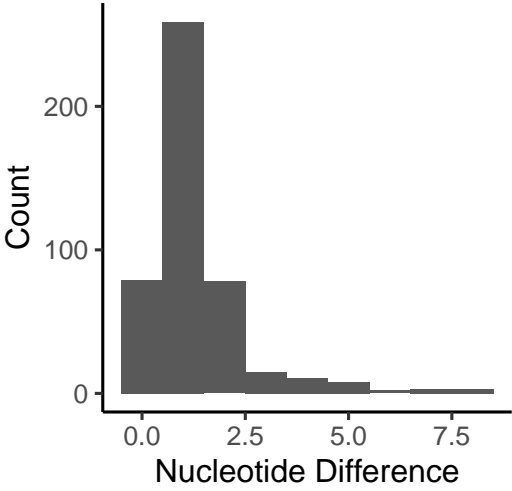
### IGHV4-59\*13

6 sequences assigned  
No exact matches.



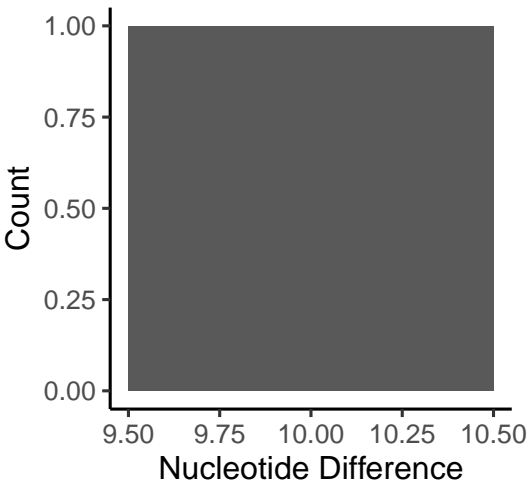
IGHV5–51\*01\_03

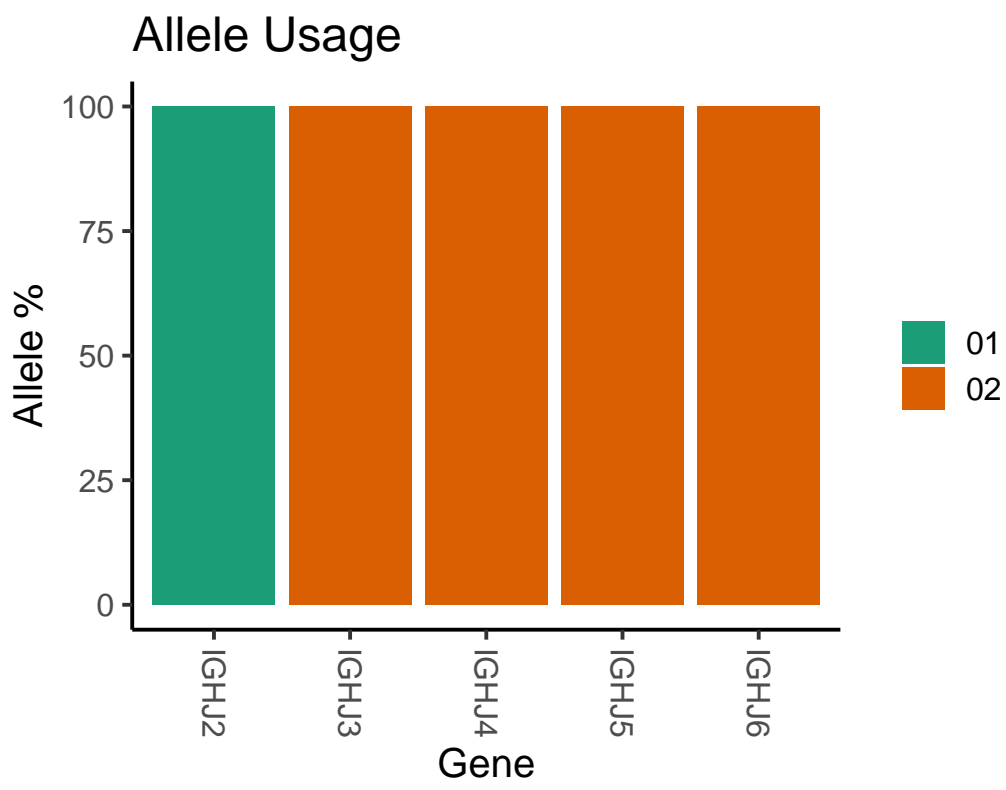
459 sequences assigned  
79 (17.2%) exact matches, in which:  
39 unique CDR3  
1 unique J



IGHV6–1\*01\_02

1 sequences assigned  
No exact matches.





[illegible]