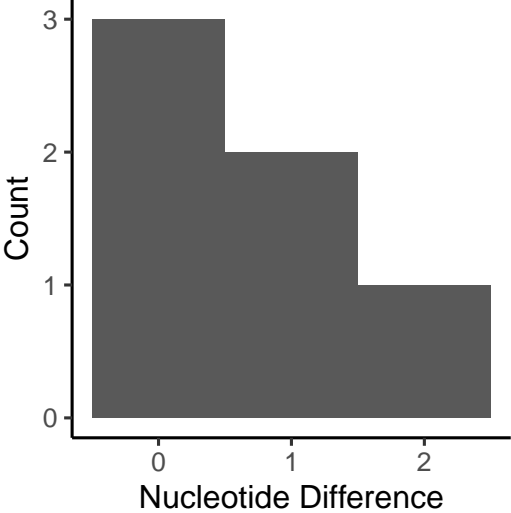


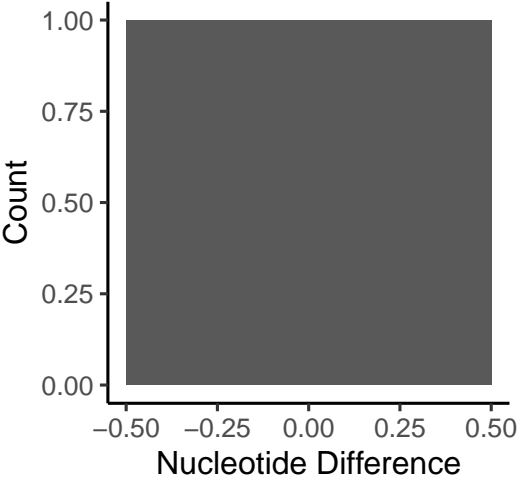
IGLV10–54\*01

6 sequences assigned  
3 (50%) exact matches, in which:  
2 unique CDR3  
1 unique J



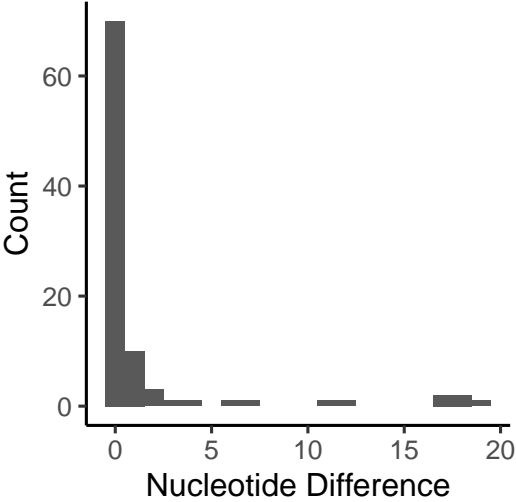
IGLV1–41\*01

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



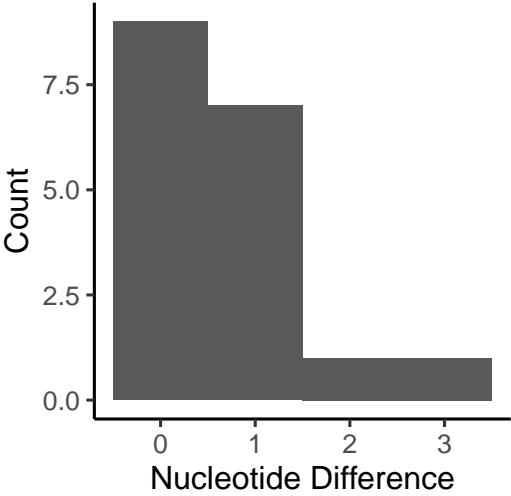
IGLV1–51\*01

94 sequences assigned  
70 (74.5%) exact matches, in which:  
58 unique CDR3  
3 unique J



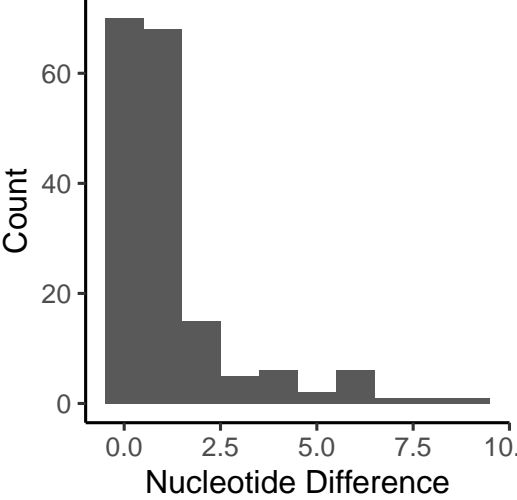
IGLV1–36\*01

18 sequences assigned  
9 (50%) exact matches, in which:  
8 unique CDR3  
2 unique J



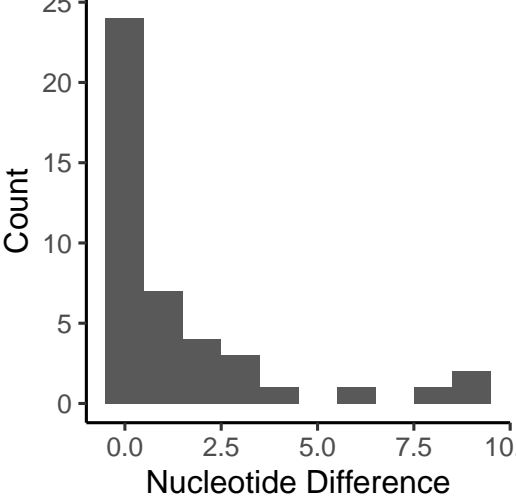
IGLV1–44\*01

175 sequences assigned  
70 (40%) exact matches, in which:  
59 unique CDR3  
3 unique J



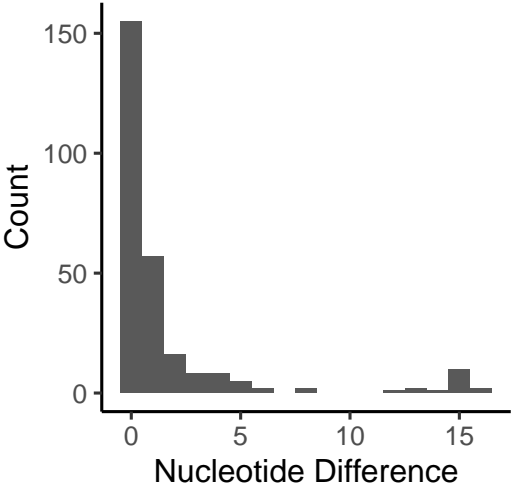
IGLV2–8\*01

43 sequences assigned  
24 (55.8%) exact matches, in which:  
24 unique CDR3  
2 unique J



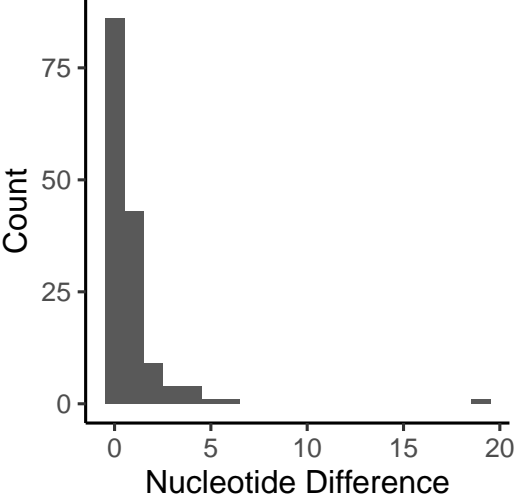
IGLV1–40\*01

269 sequences assigned  
155 (57.6%) exact matches, in which:  
135 unique CDR3  
3 unique J



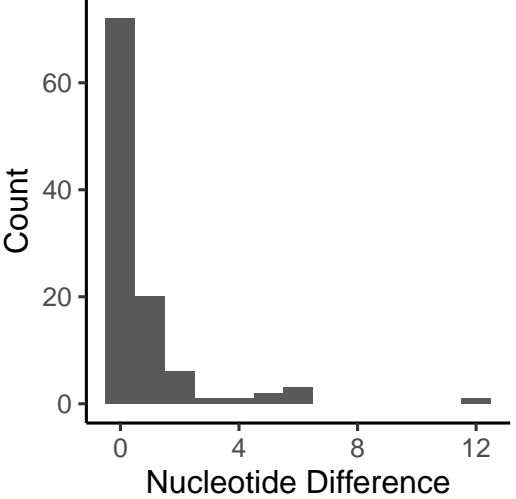
IGLV1–47\*01

149 sequences assigned  
86 (57.7%) exact matches, in which:  
72 unique CDR3  
3 unique J



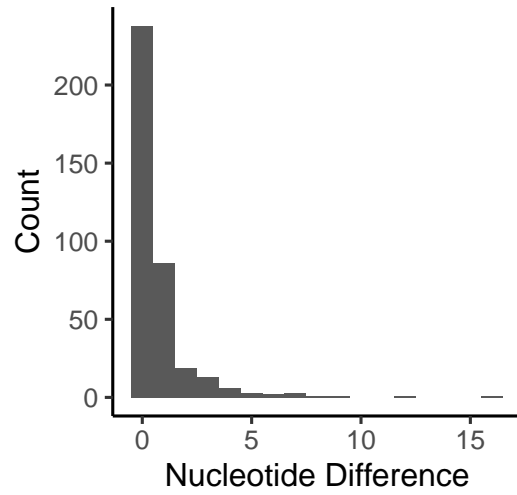
IGLV2–11\*01

106 sequences assigned  
72 (67.9%) exact matches, in which:  
67 unique CDR3  
2 unique J



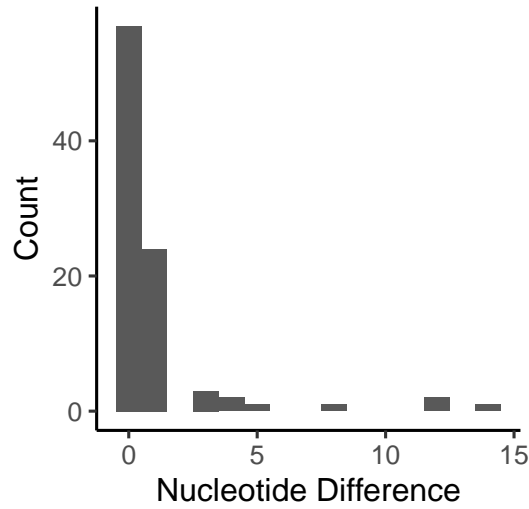
### IGLV2-14\*04EXT3

374 sequences assigned  
238 (63.6%) exact matches, in which:  
211 unique CDR3  
3 unique J



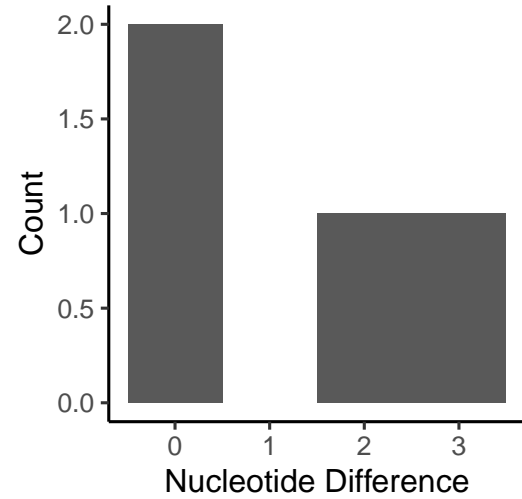
### IGLV2-23\*02EXT5

91 sequences assigned  
57 (62.6%) exact matches, in which:  
56 unique CDR3  
3 unique J



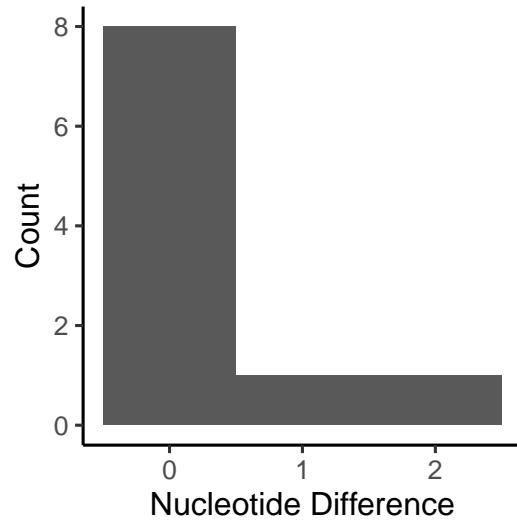
### IGLV3-9\*01EXT5

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



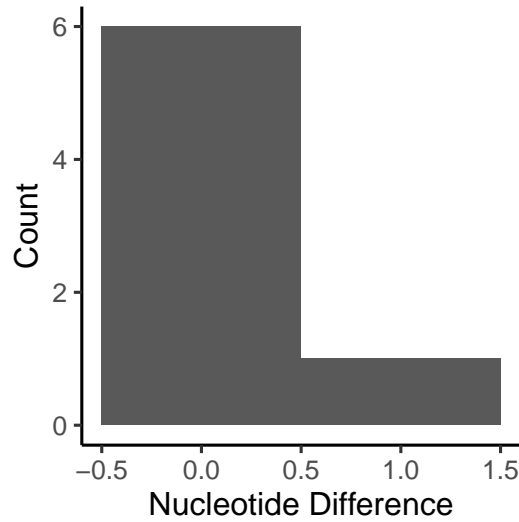
### IGLV2-18\*02

10 sequences assigned  
8 (80%) exact matches, in which:  
5 unique CDR3  
2 unique J



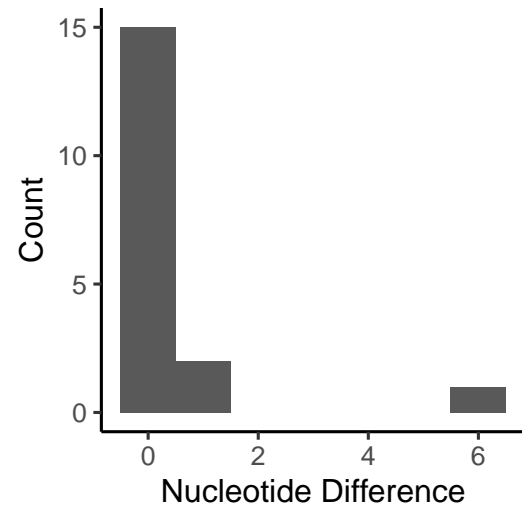
### IGLV2-23\*03EXT5

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



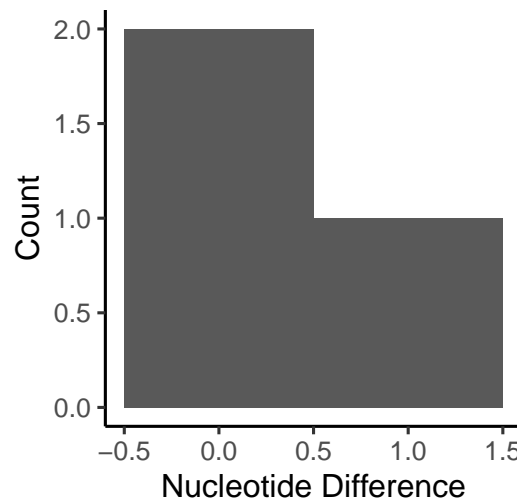
### IGLV3-10\*01

18 sequences assigned  
15 (83.3%) exact matches, in which:  
13 unique CDR3  
2 unique J



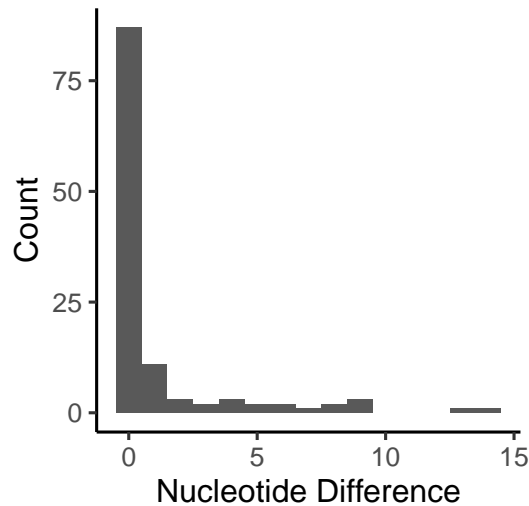
### IGLV2-23\*01

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



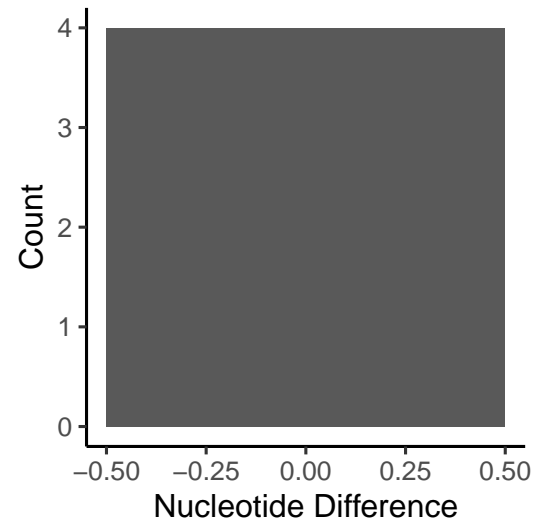
### IGLV3-1\*01

118 sequences assigned  
87 (73.7%) exact matches, in which:  
78 unique CDR3  
2 unique J



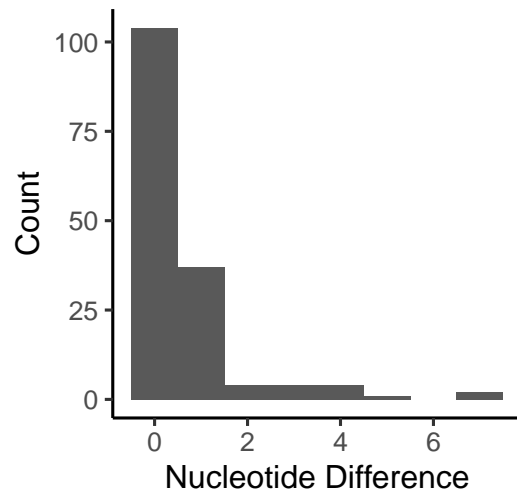
### IGLV3-16\*01

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



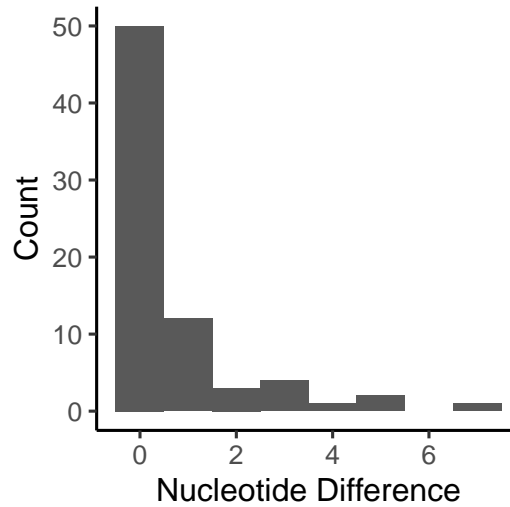
### IGLV3-19\*01

156 sequences assigned  
104 (66.7%) exact matches, in which:  
89 unique CDR3  
3 unique J



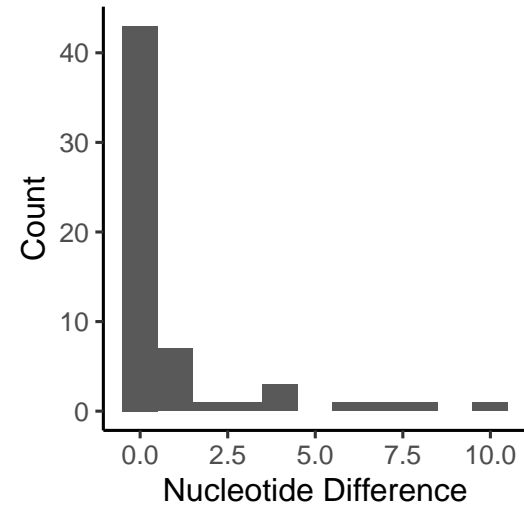
### IGLV3-25\*03

73 sequences assigned  
50 (68.5%) exact matches, in which:  
45 unique CDR3  
4 unique J



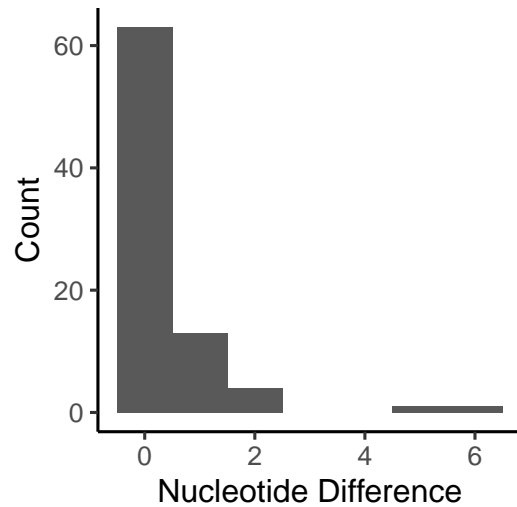
### IGLV4-69\*01

59 sequences assigned  
43 (72.9%) exact matches, in which:  
38 unique CDR3  
2 unique J



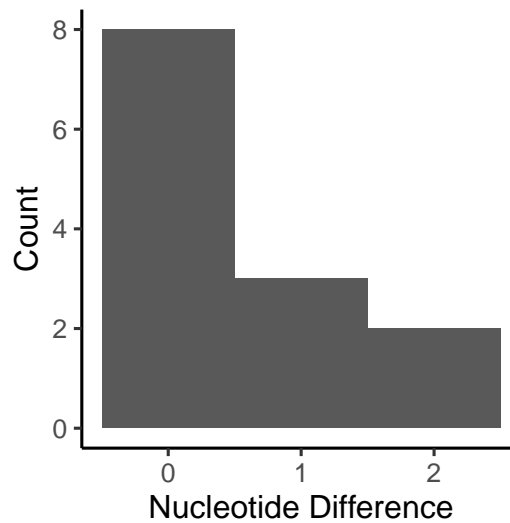
### IGLV3-21\*02

82 sequences assigned  
63 (76.8%) exact matches, in which:  
57 unique CDR3  
3 unique J



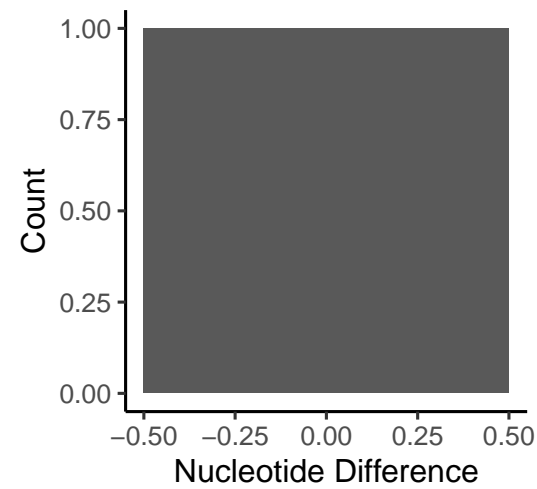
### IGLV3-27\*01

13 sequences assigned  
8 (61.5%) exact matches, in which:  
8 unique CDR3  
2 unique J



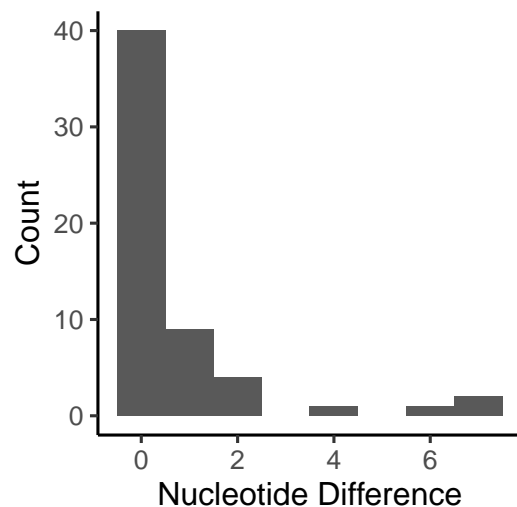
### IGLV5-37\*01

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



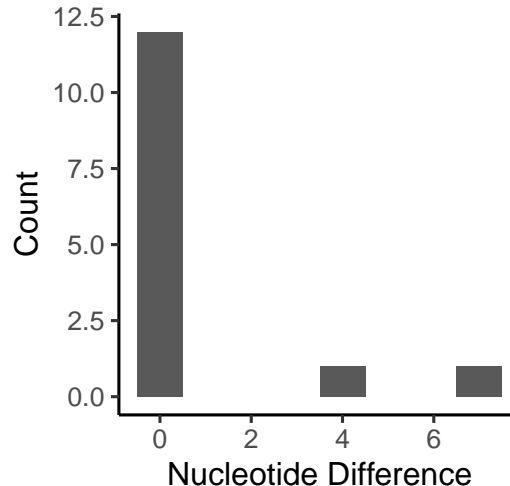
### IGLV3-21\*04

57 sequences assigned  
40 (70.2%) exact matches, in which:  
39 unique CDR3  
2 unique J



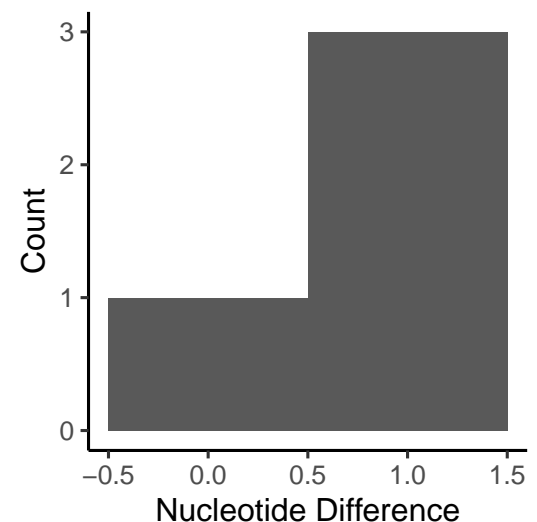
### IGLV4-60\*03EXT5

14 sequences assigned  
12 (85.7%) exact matches, in which:  
12 unique CDR3  
1 unique J



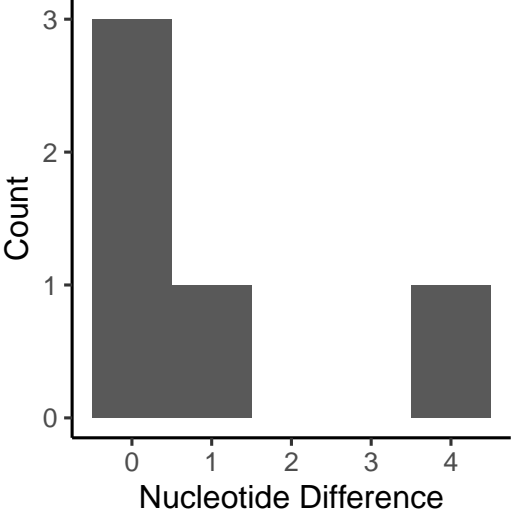
### IGLV5-39\*01

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



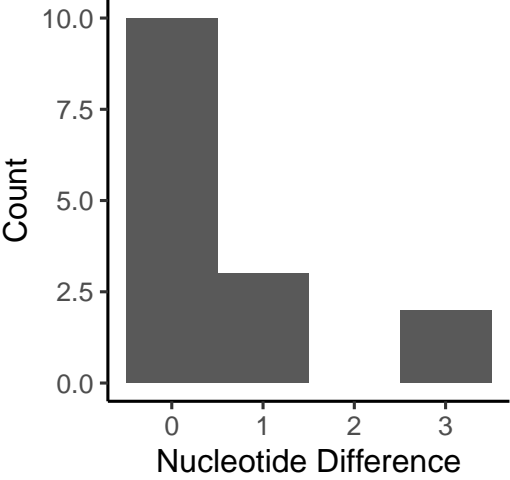
IGLV5-45\*02

5 sequences assigned  
3 (60%) exact matches, in which:  
3 unique CDR3  
2 unique J



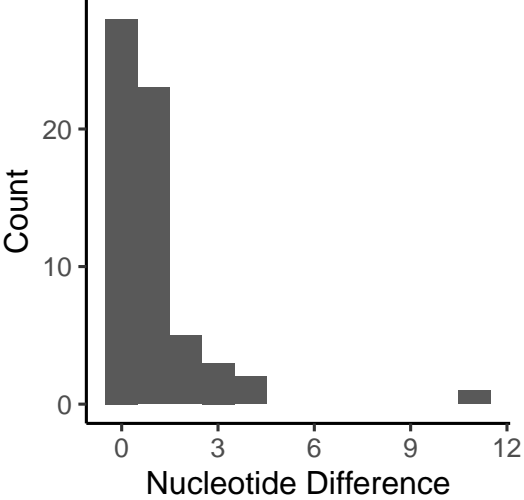
IGLV6-57\*02

15 sequences assigned  
10 (66.7%) exact matches, in which:  
10 unique CDR3  
3 unique J



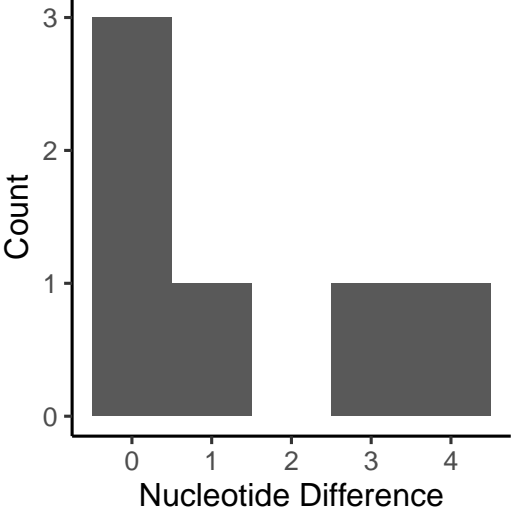
IGLV7-46\*01

62 sequences assigned  
28 (45.2%) exact matches, in which:  
22 unique CDR3  
2 unique J



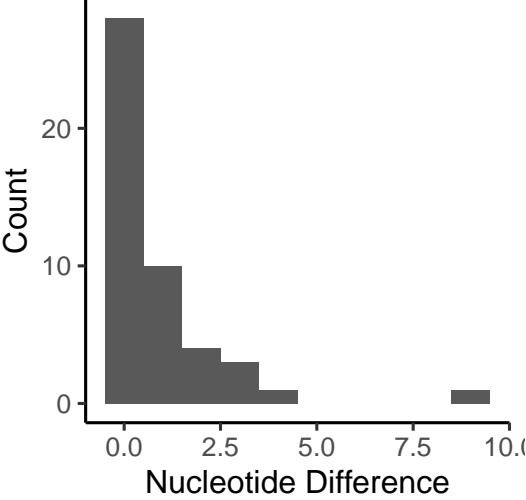
IGLV5-45\*03

6 sequences assigned  
3 (50%) exact matches, in which:  
2 unique CDR3  
1 unique J



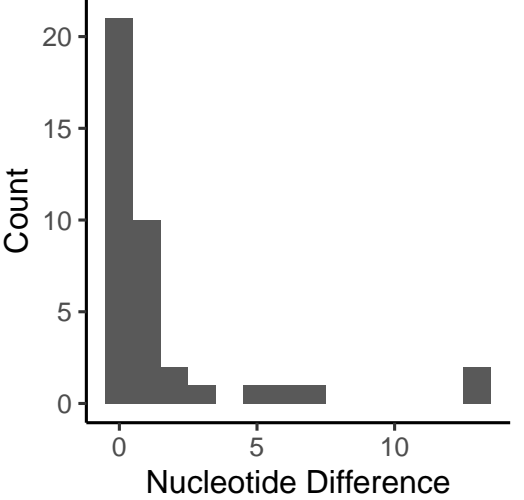
IGLV6-57\*03

47 sequences assigned  
28 (59.6%) exact matches, in which:  
25 unique CDR3  
3 unique J



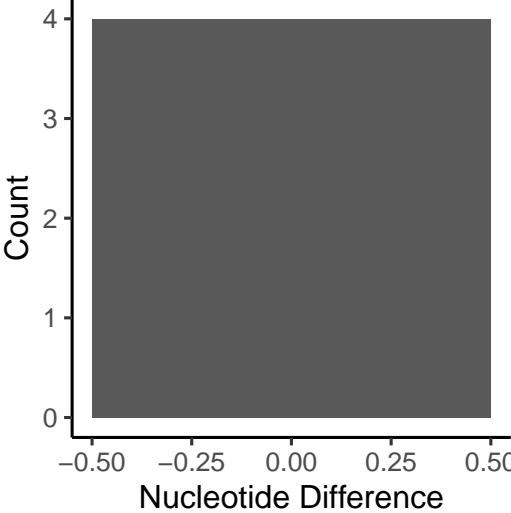
IGLV8-61\*01

39 sequences assigned  
21 (53.8%) exact matches, in which:  
16 unique CDR3  
2 unique J



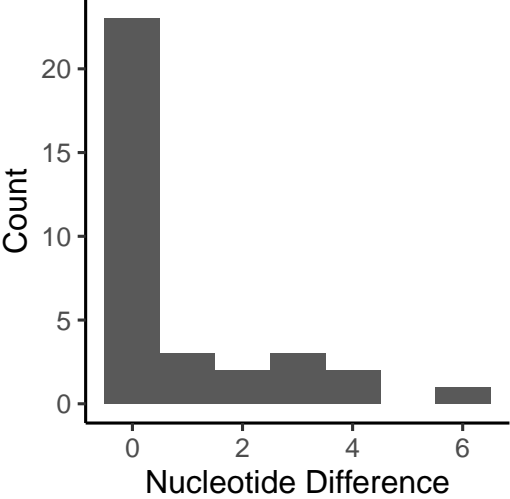
IGLV5-52\*01

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



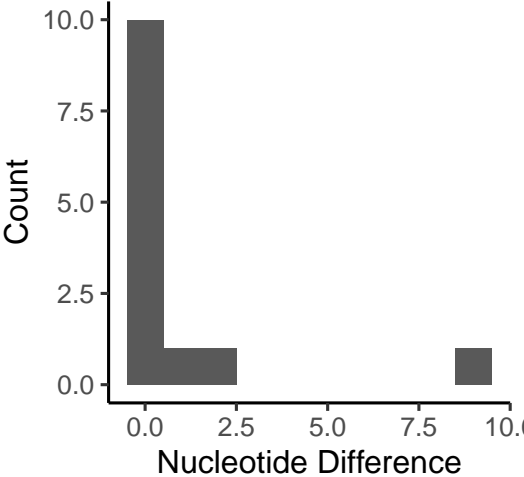
IGLV7-43\*01

34 sequences assigned  
23 (67.6%) exact matches, in which:  
21 unique CDR3  
2 unique J

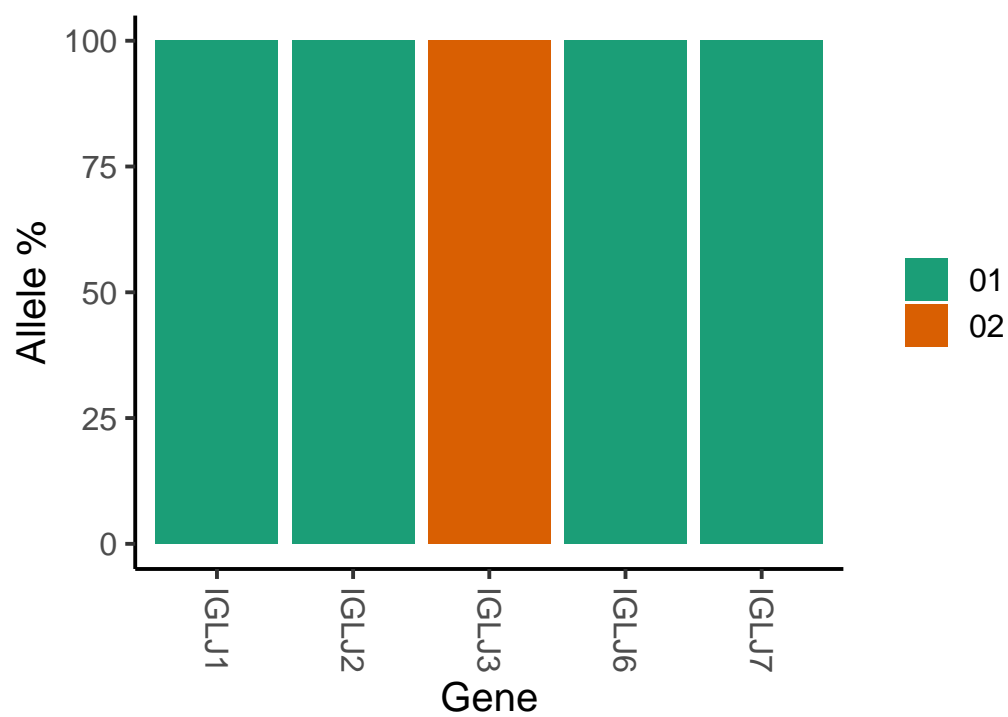


IGLV9-49\*01

13 sequences assigned  
10 (76.9%) exact matches, in which:  
9 unique CDR3  
2 unique J



Allele Usage



Warning – no inferred sequences found.