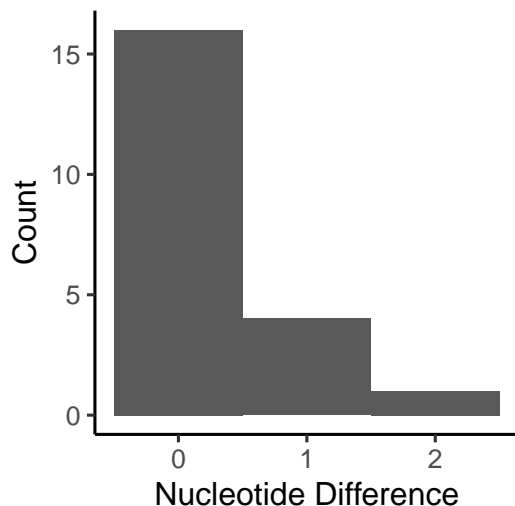


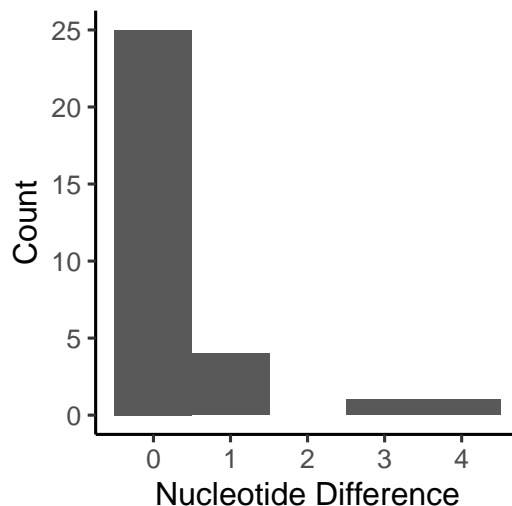
IGHV1-2*04

21 sequences assigned
16 (76.2%) exact matches, in which:
16 unique CDR3
4 unique J



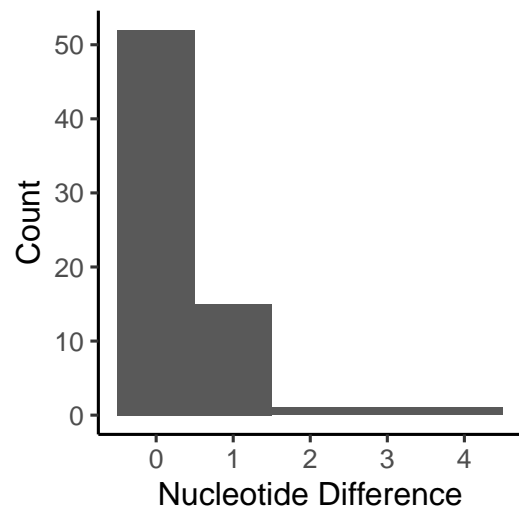
IGHV1-8*01

31 sequences assigned
25 (80.6%) exact matches, in which:
24 unique CDR3
6 unique J



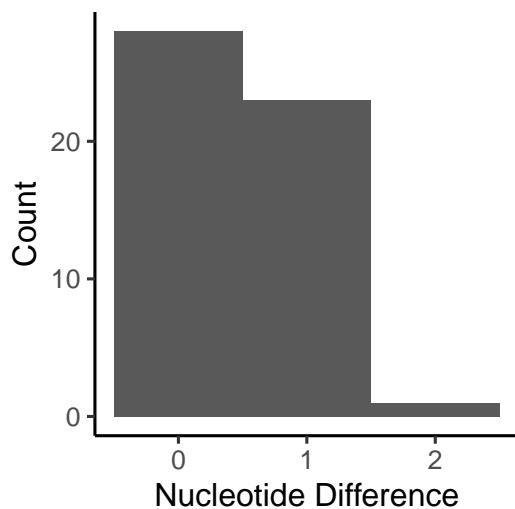
IGHV1-46*01

70 sequences assigned
52 (74.3%) exact matches, in which:
51 unique CDR3
5 unique J



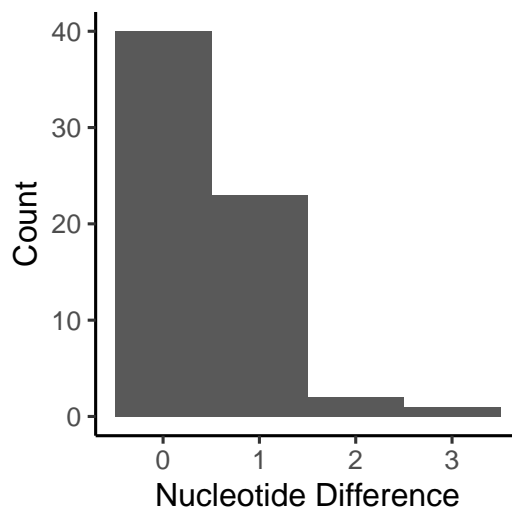
IGHV1-2*06

52 sequences assigned
28 (53.8%) exact matches, in which:
28 unique CDR3
4 unique J



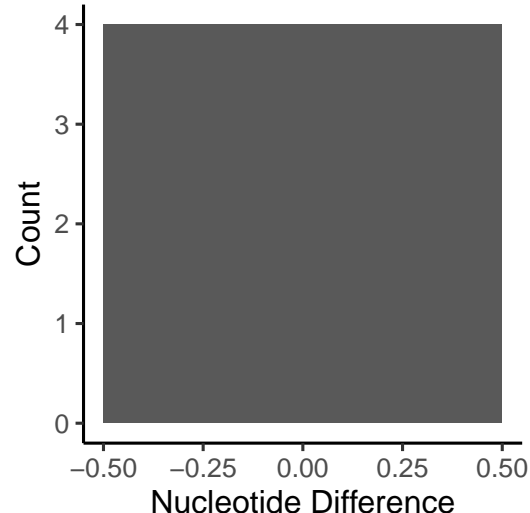
IGHV1-18*01

66 sequences assigned
40 (60.6%) exact matches, in which:
40 unique CDR3
5 unique J



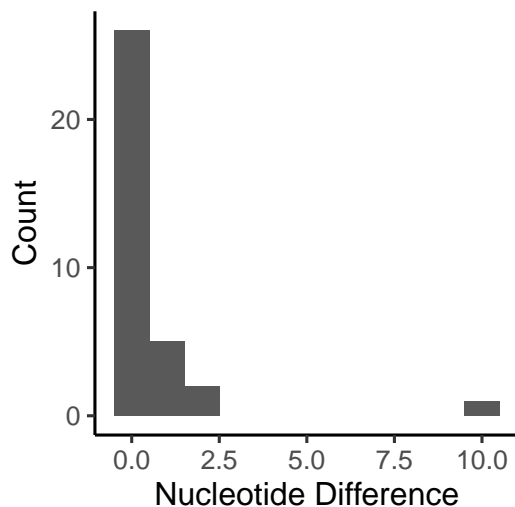
IGHV1-58*01

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



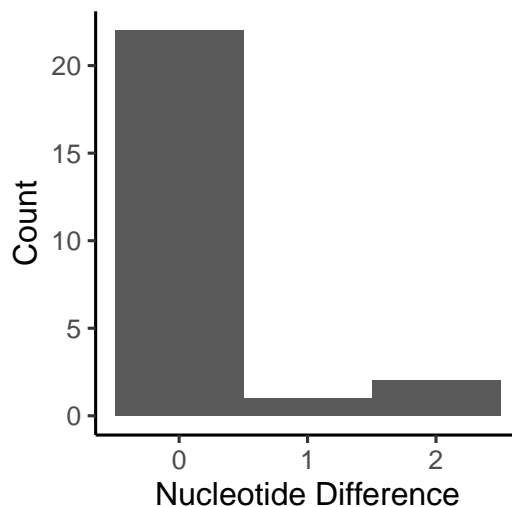
IGHV1-3*01

34 sequences assigned
26 (76.5%) exact matches, in which:
25 unique CDR3
4 unique J



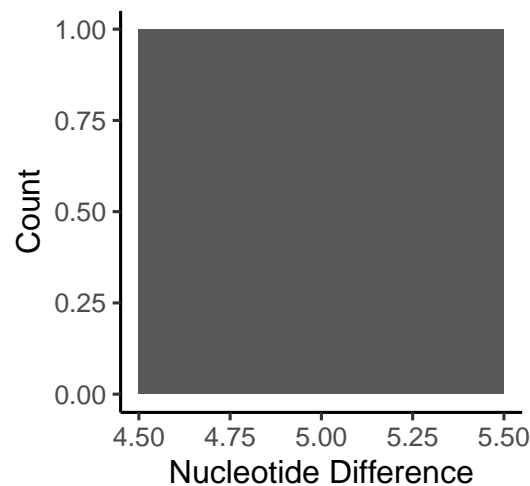
IGHV1-24*01

25 sequences assigned
22 (88%) exact matches, in which:
21 unique CDR3
4 unique J



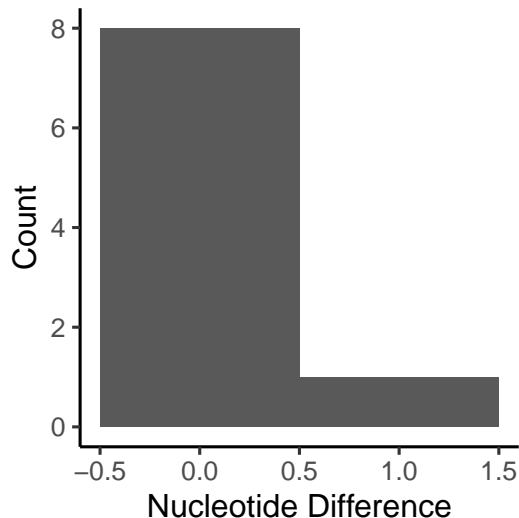
IGHV1-NL1*01

1 sequences assigned
No exact matches.



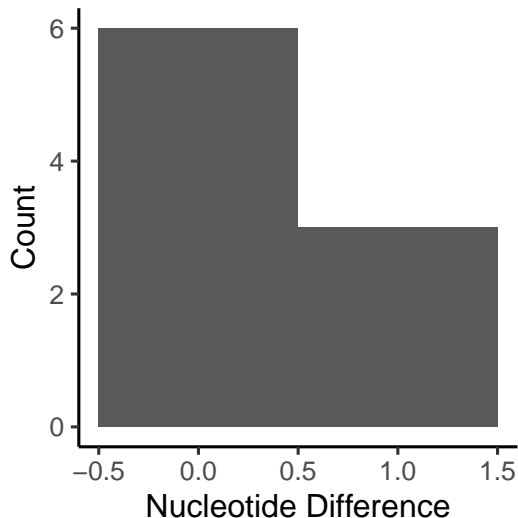
IGHV2-5*01

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
4 unique J



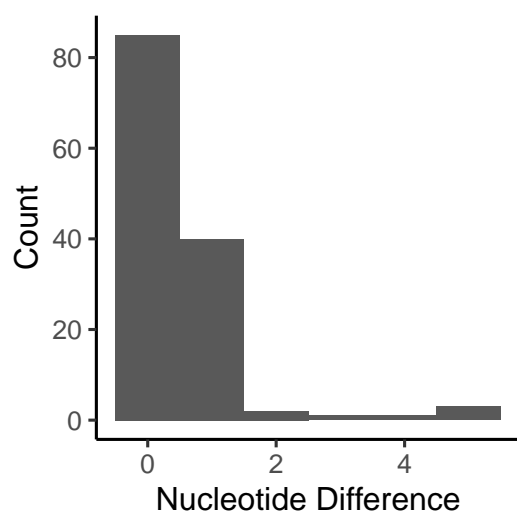
IGHV2-70*01

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



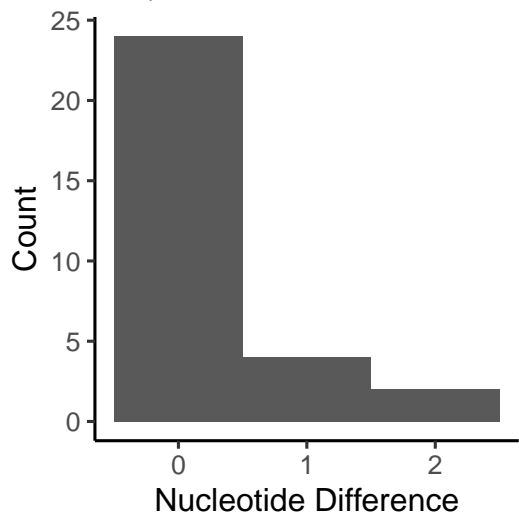
IGHV3-9*01

132 sequences assigned
85 (64.4%) exact matches, in which:
84 unique CDR3
6 unique J



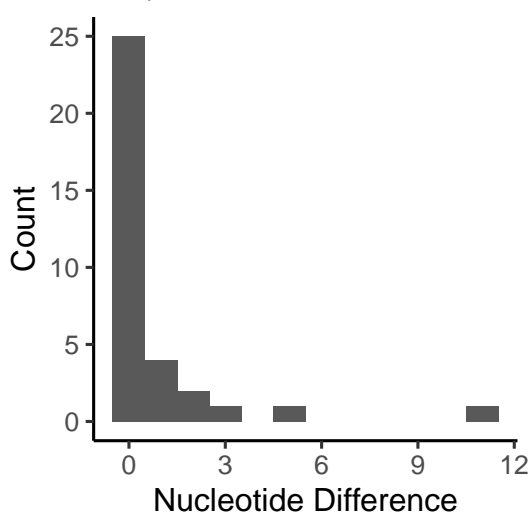
IGHV2-5*02

30 sequences assigned
24 (80%) exact matches, in which:
24 unique CDR3
4 unique J



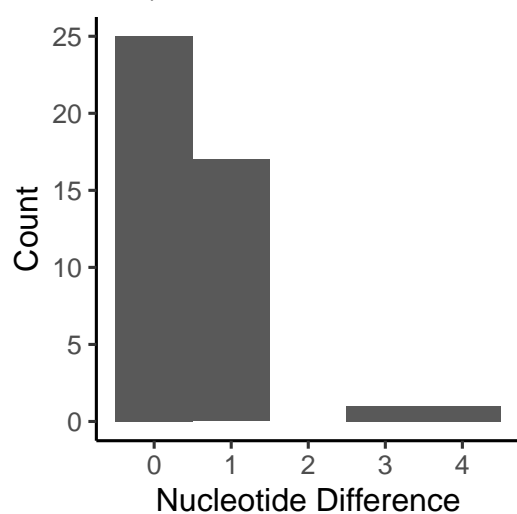
IGHV3-7*01

35 sequences assigned
25 (71.4%) exact matches, in which:
24 unique CDR3
5 unique J



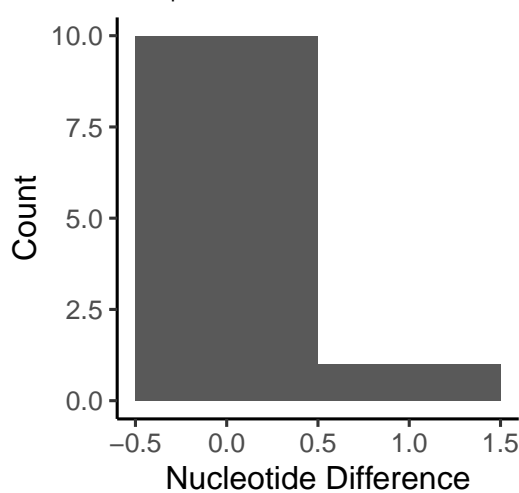
IGHV3-11*01

44 sequences assigned
25 (56.8%) exact matches, in which:
24 unique CDR3
5 unique J



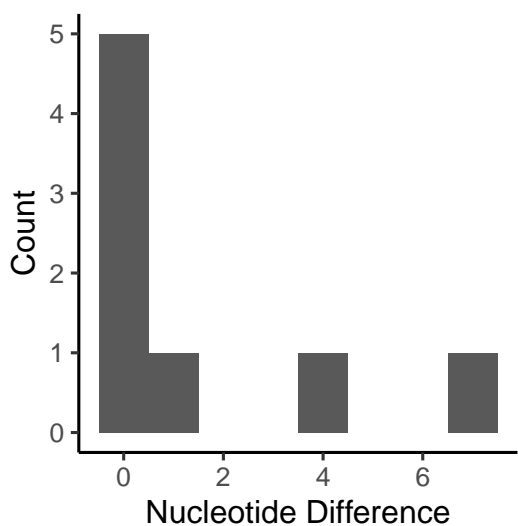
IGHV2-26*01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
3 unique J



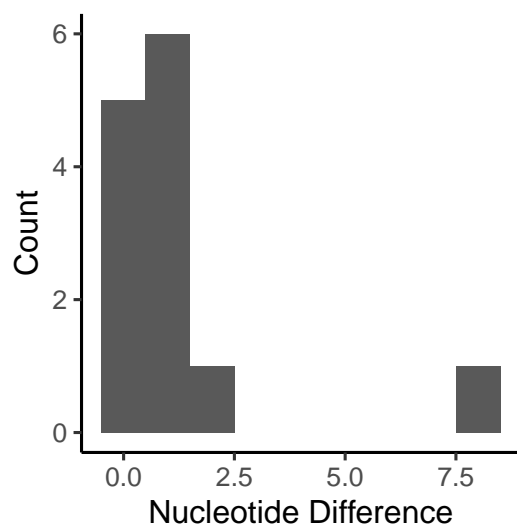
IGHV3-7*05

8 sequences assigned
5 (62.5%) exact matches, in which:
4 unique CDR3
2 unique J



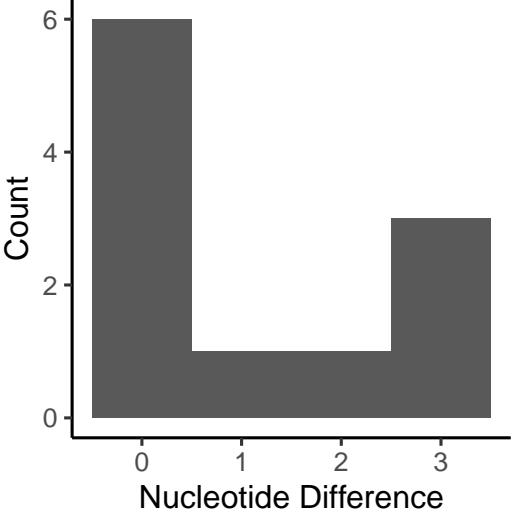
IGHV3-11*06

13 sequences assigned
5 (38.5%) exact matches, in which:
5 unique CDR3
4 unique J



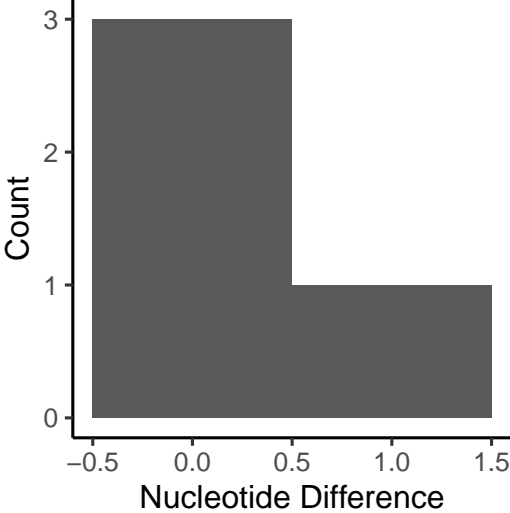
IGHV3-13*01

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



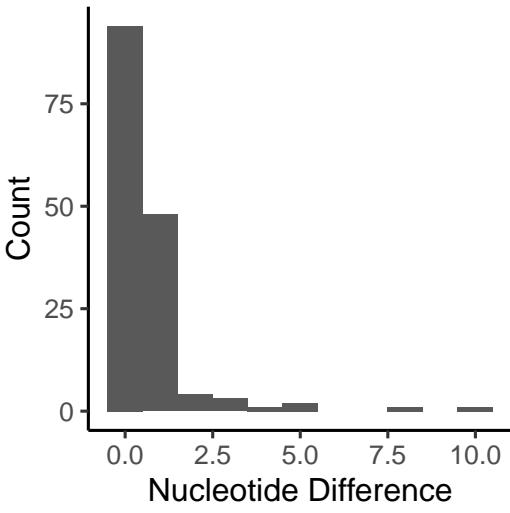
IGHV3-20*01

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



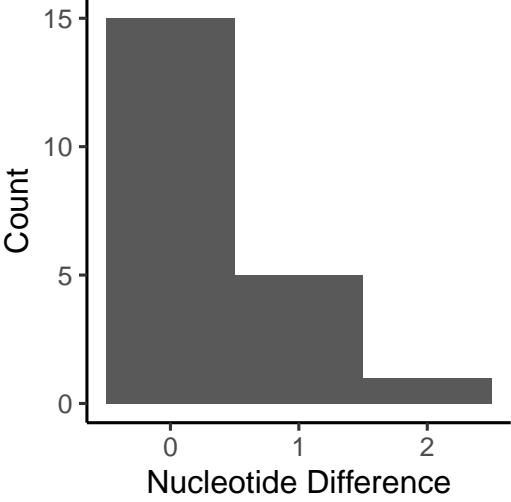
IGHV3-30-3*01

154 sequences assigned
94 (61%) exact matches, in which:
91 unique CDR3
5 unique J



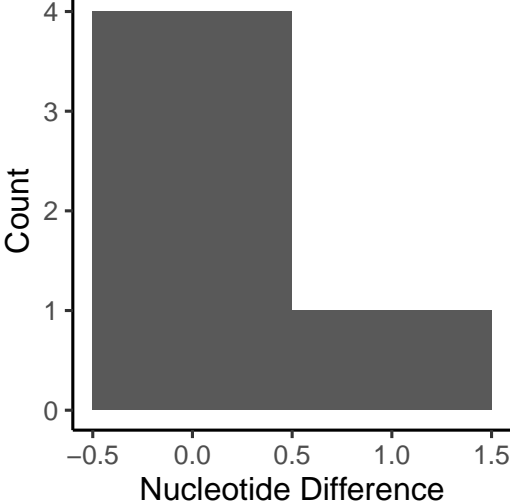
IGHV3-15*01

21 sequences assigned
15 (71.4%) exact matches, in which:
15 unique CDR3
3 unique J



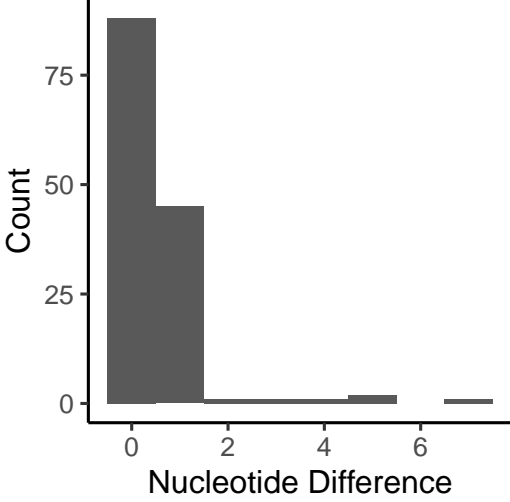
IGHV3-20*04

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
3 unique J



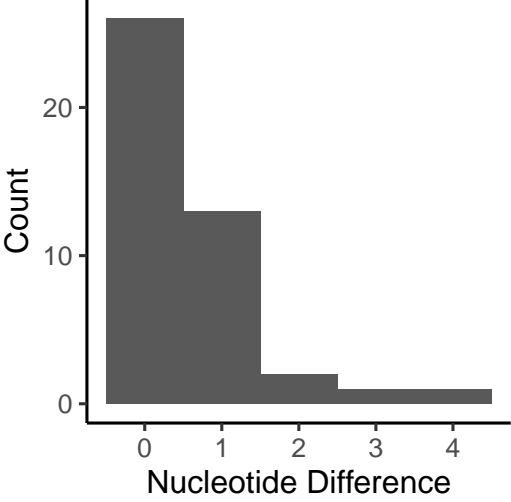
IGHV3-33*01

139 sequences assigned
88 (63.3%) exact matches, in which:
86 unique CDR3
6 unique J



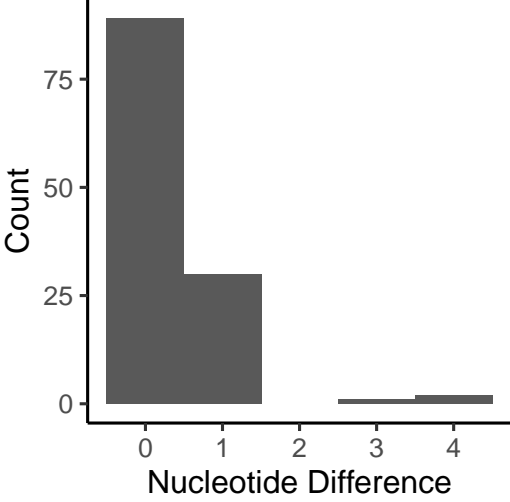
IGHV3-15*07

43 sequences assigned
26 (60.5%) exact matches, in which:
25 unique CDR3
5 unique J



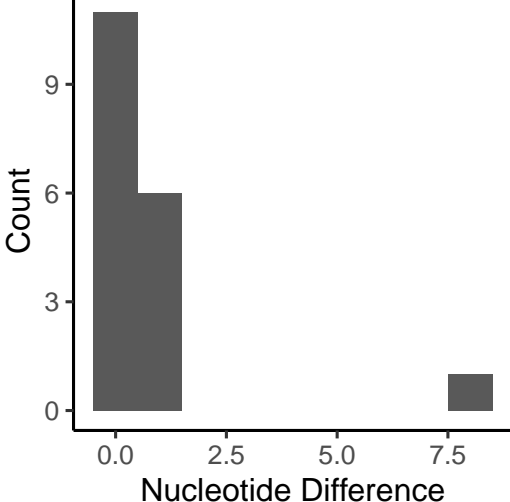
IGHV3-21*01

122 sequences assigned
89 (73%) exact matches, in which:
89 unique CDR3
6 unique J



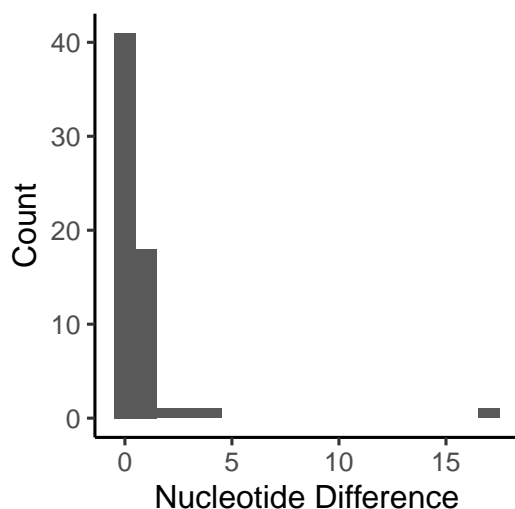
IGHV3-43*01

18 sequences assigned
11 (61.1%) exact matches, in which:
11 unique CDR3
3 unique J



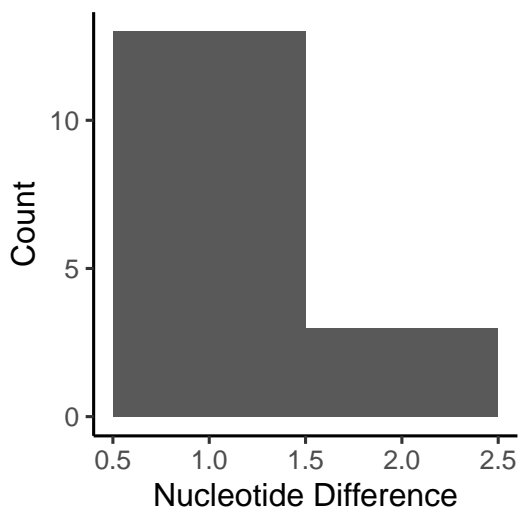
IGHV3-48*02

63 sequences assigned
41 (65.1%) exact matches, in which:
41 unique CDR3
5 unique J



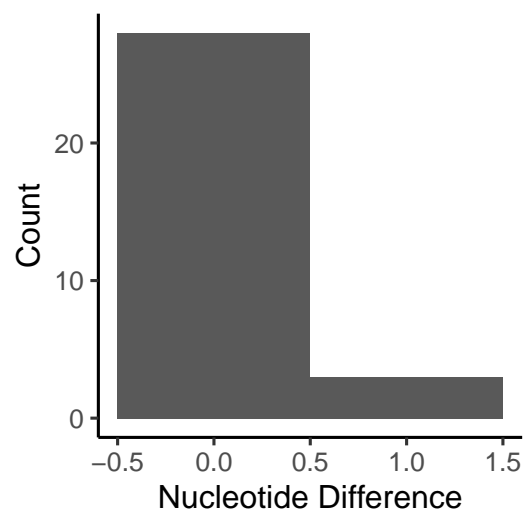
IGHV3-53*02

16 sequences assigned
No exact matches.



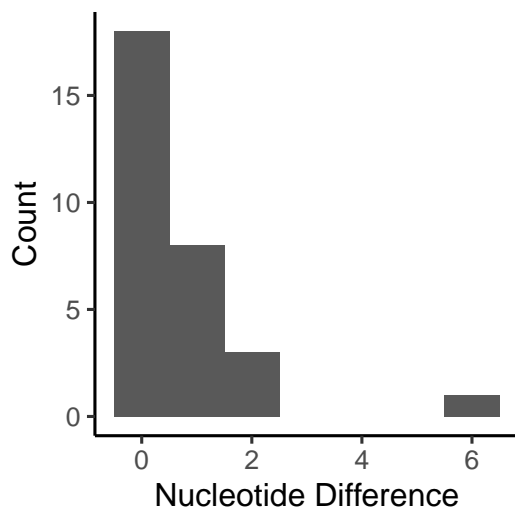
IGHV3-73*02

31 sequences assigned
28 (90.3%) exact matches, in which:
27 unique CDR3
4 unique J



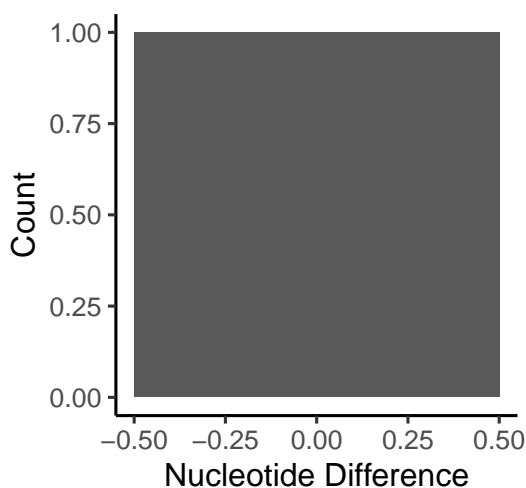
IGHV3-49*05

30 sequences assigned
18 (60%) exact matches, in which:
18 unique CDR3
3 unique J



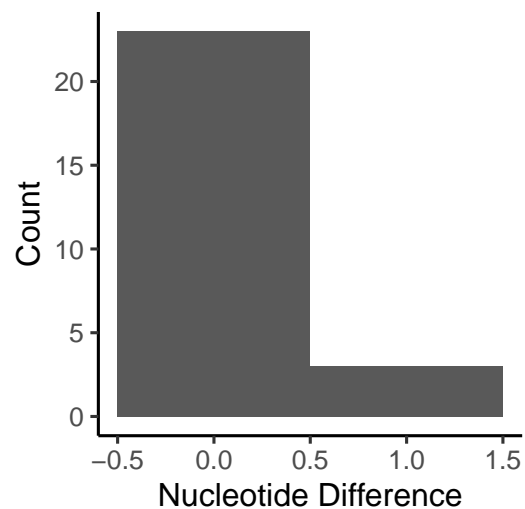
IGHV3-64*01

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



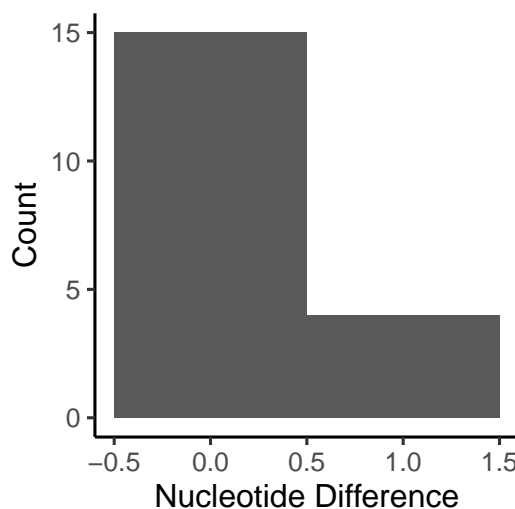
IGHV3-74*01

26 sequences assigned
23 (88.5%) exact matches, in which:
23 unique CDR3
3 unique J



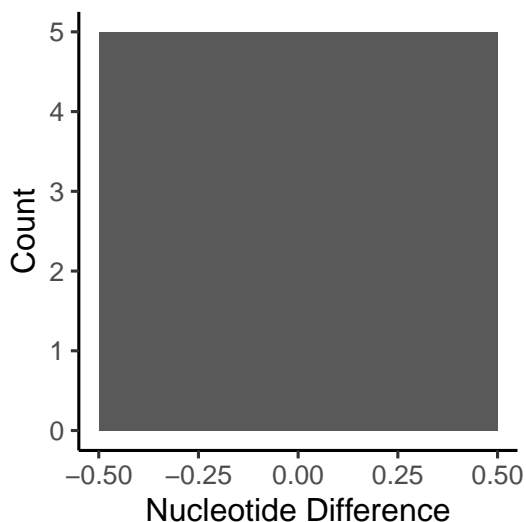
IGHV3-53*01

19 sequences assigned
15 (78.9%) exact matches, in which:
15 unique CDR3
3 unique J



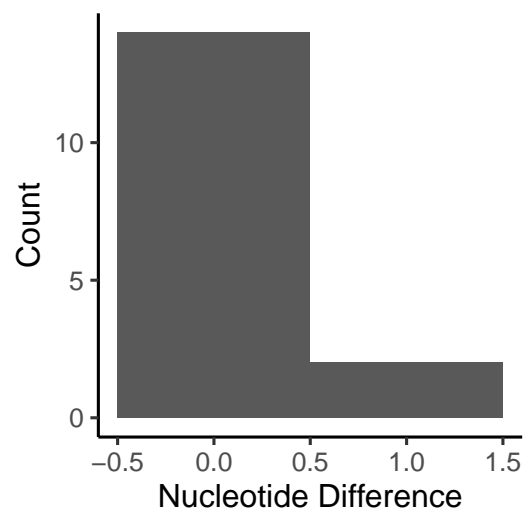
IGHV3-72*01

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
2 unique J



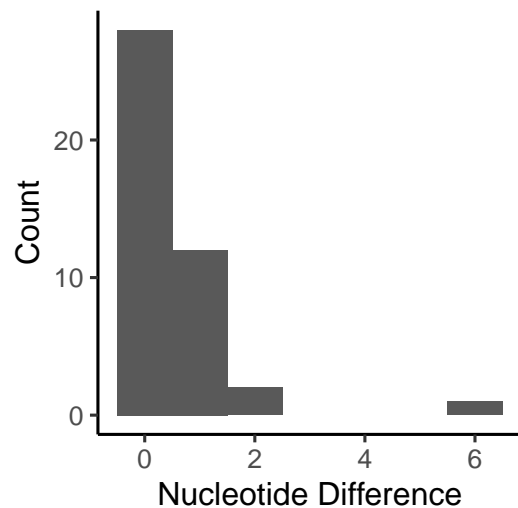
IGHV3-64D*08

16 sequences assigned
14 (87.5%) exact matches, in which:
13 unique CDR3
3 unique J



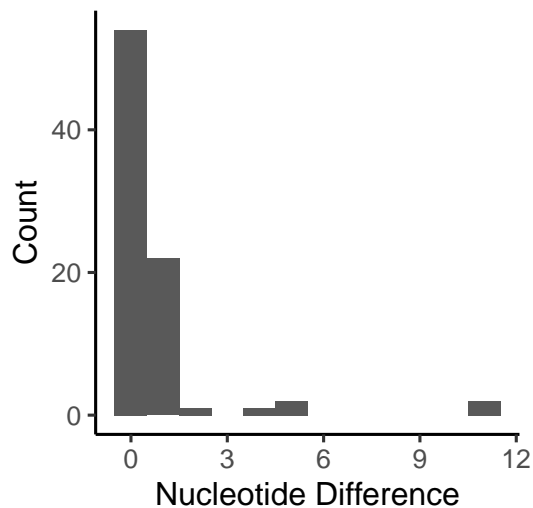
IGHV4-4*02

43 sequences assigned
28 (65.1%) exact matches, in which:
27 unique CDR3
5 unique J



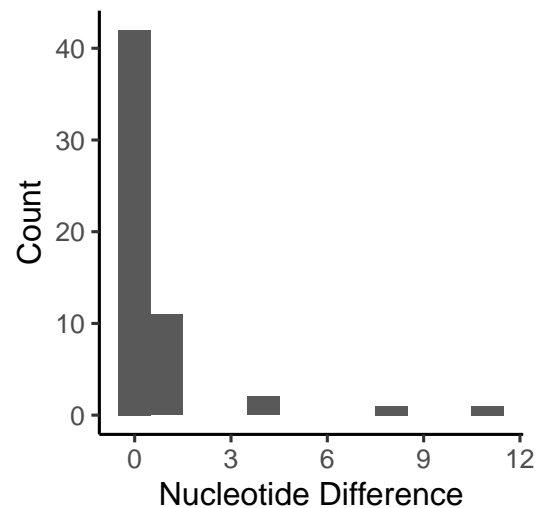
IGHV4-31*03

82 sequences assigned
54 (65.9%) exact matches, in which:
54 unique CDR3
5 unique J



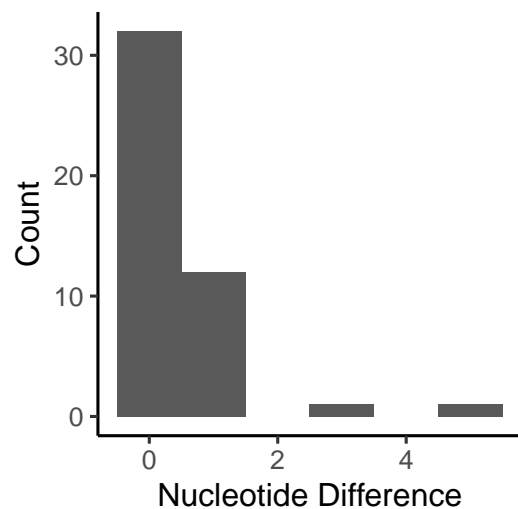
IGHV4-59*01

57 sequences assigned
42 (73.7%) exact matches, in which:
40 unique CDR3
5 unique J



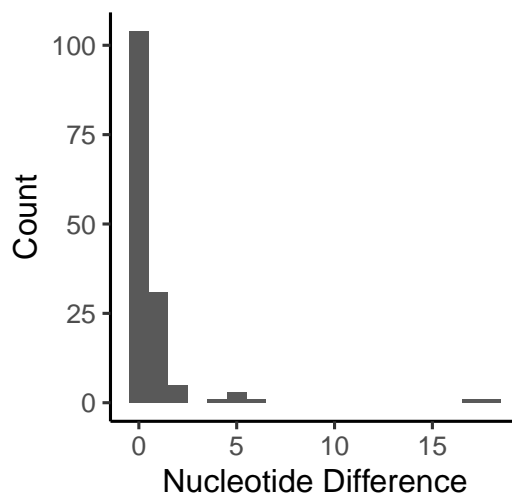
IGHV4-30-4*01

46 sequences assigned
32 (69.6%) exact matches, in which:
32 unique CDR3
5 unique J



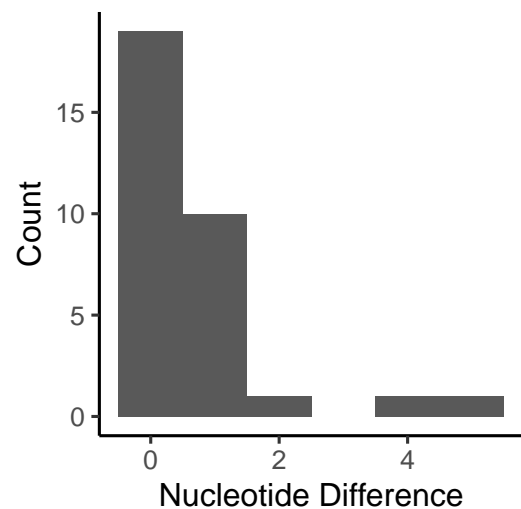
IGHV4-34*01

154 sequences assigned
104 (67.5%) exact matches, in which:
101 unique CDR3
6 unique J



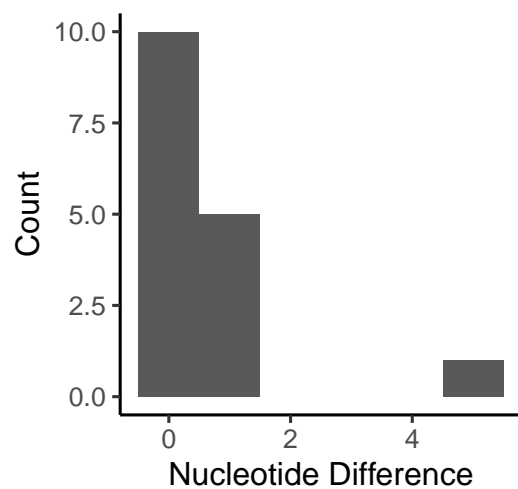
IGHV4-61*01

32 sequences assigned
19 (59.4%) exact matches, in which:
19 unique CDR3
5 unique J



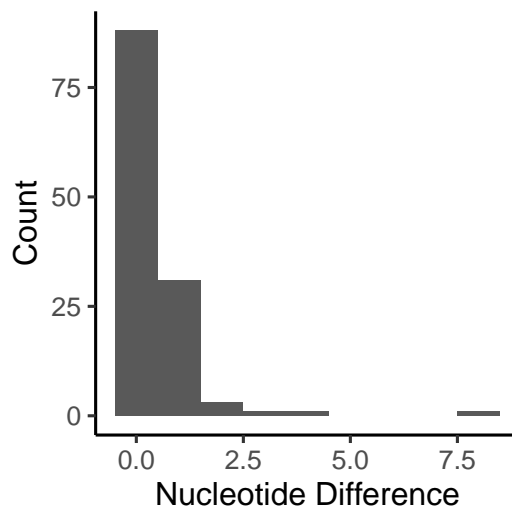
IGHV4-30-2*01

16 sequences assigned
10 (62.5%) exact matches, in which:
10 unique CDR3
4 unique J



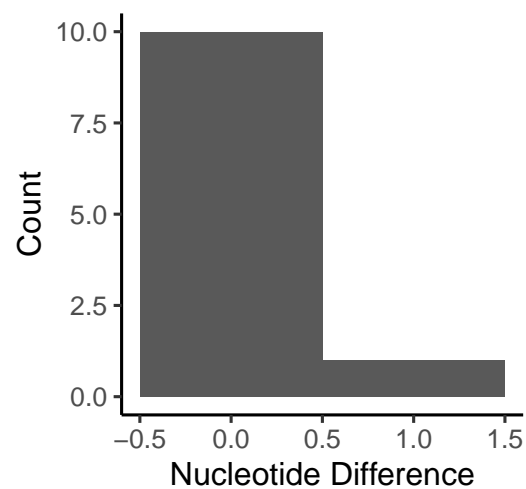
IGHV4-39*01

125 sequences assigned
88 (70.4%) exact matches, in which:
87 unique CDR3
6 unique J



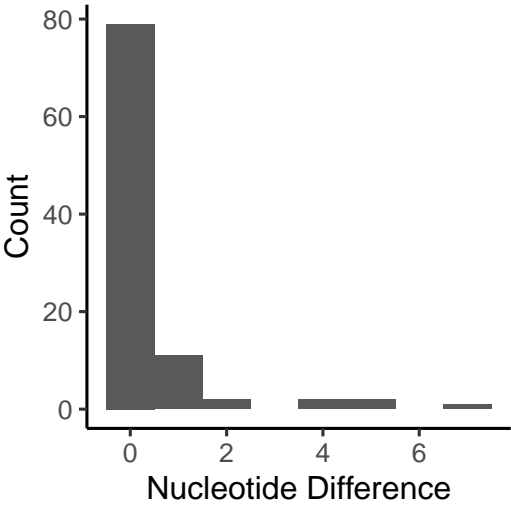
IGHV5-10-1*03

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
4 unique J



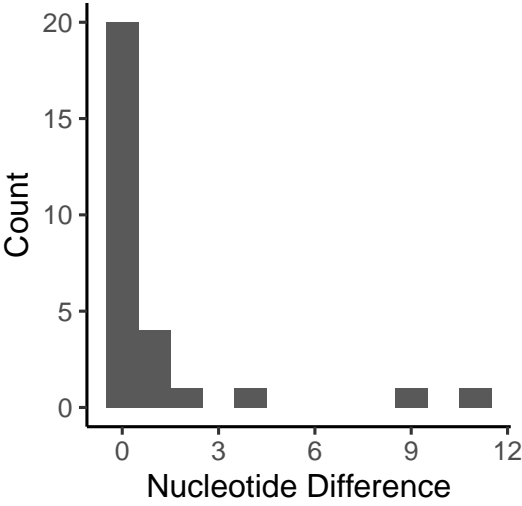
IGHV5-51*01

97 sequences assigned
79 (81.4%) exact matches, in which:
77 unique CDR3
5 unique J



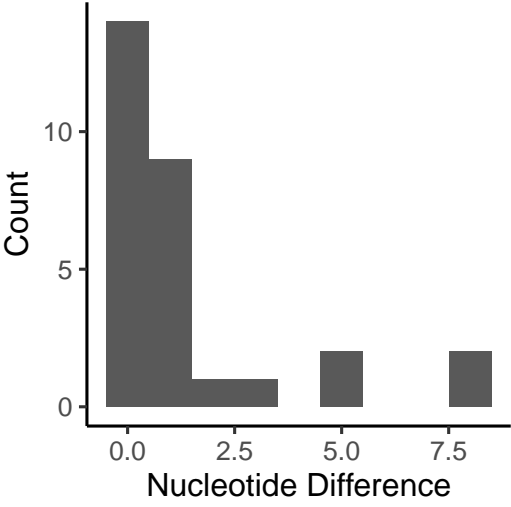
IGHV6-1*01

28 sequences assigned
20 (71.4%) exact matches, in which:
20 unique CDR3
4 unique J



IGHV7-4-1*02

29 sequences assigned
14 (48.3%) exact matches, in which:
13 unique CDR3
3 unique J





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.