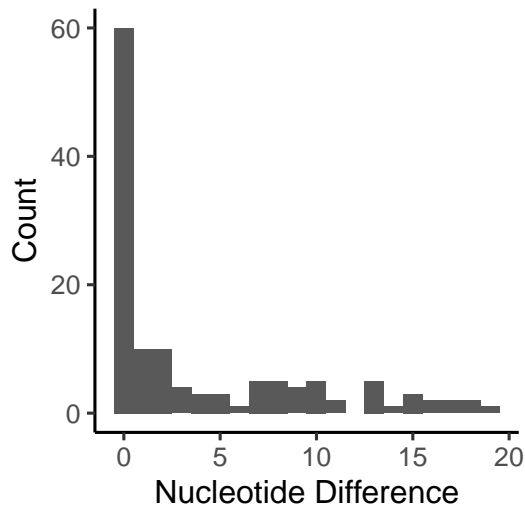


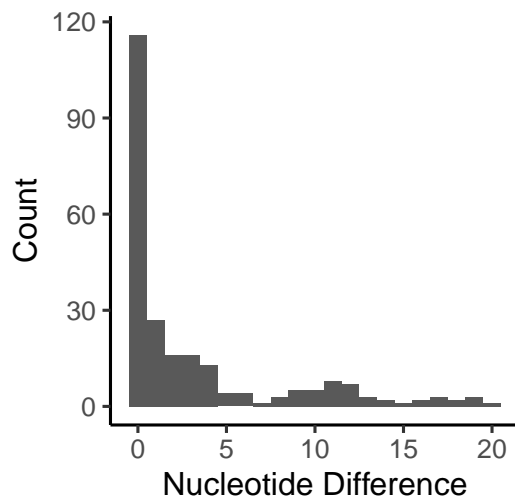
IGHV1-2*02

152 sequences assigned
60 (39.5%) exact matches, in which:
59 unique CDR3
6 unique J



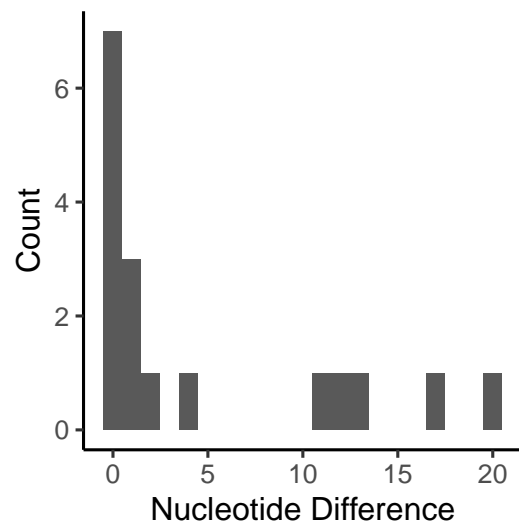
IGHV1-18*01

249 sequences assigned
116 (46.6%) exact matches, in which:
116 unique CDR3
6 unique J



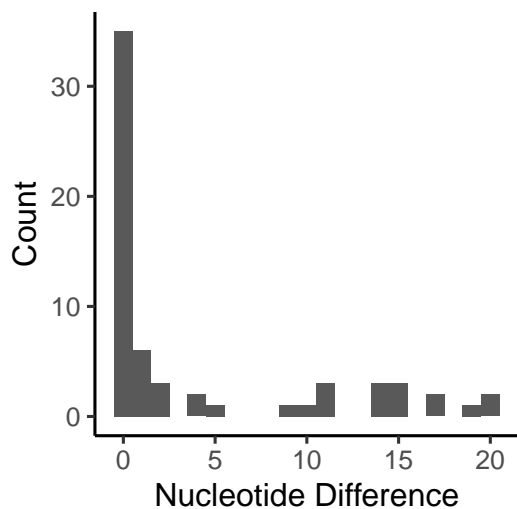
IGHV1-58*01

17 sequences assigned
7 (41.2%) exact matches, in which:
7 unique CDR3
2 unique J



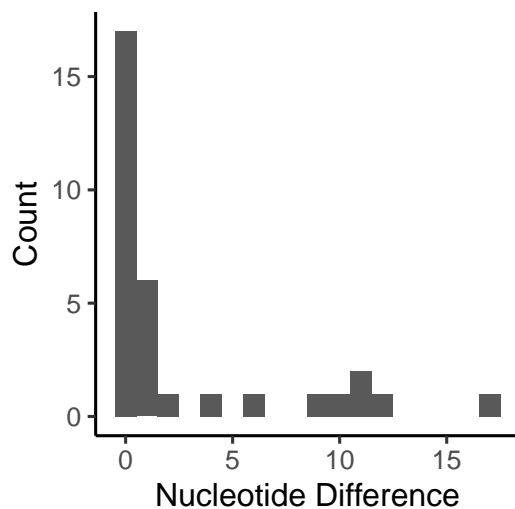
IGHV1-3*01

66 sequences assigned
35 (53%) exact matches, in which:
34 unique CDR3
5 unique J



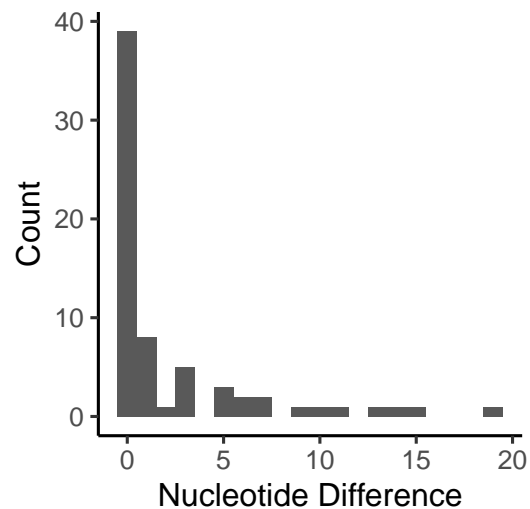
IGHV1-24*01

38 sequences assigned
17 (44.7%) exact matches, in which:
17 unique CDR3
7 unique J



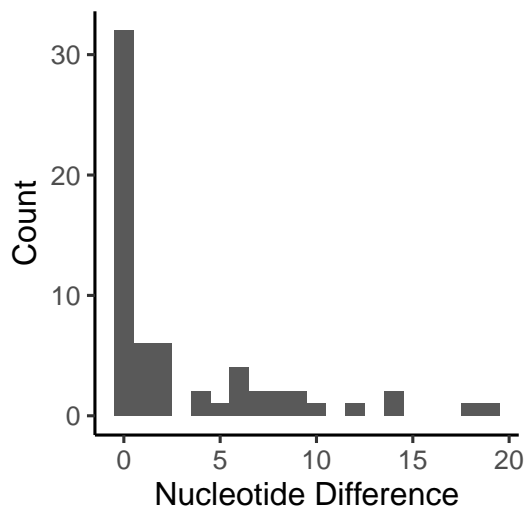
IGHV1-69*04

72 sequences assigned
39 (54.2%) exact matches, in which:
39 unique CDR3
7 unique J



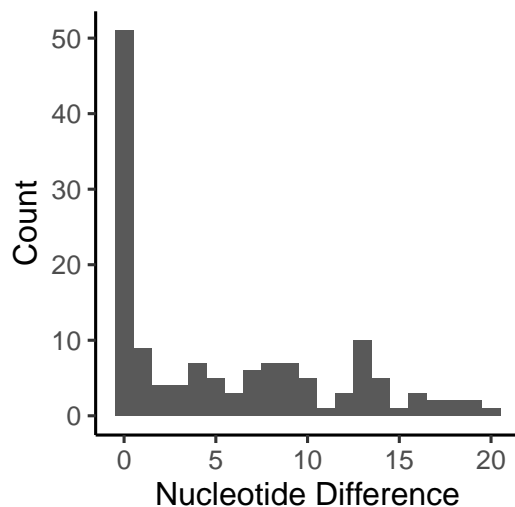
IGHV1-8*01

63 sequences assigned
32 (50.8%) exact matches, in which:
32 unique CDR3
3 unique J



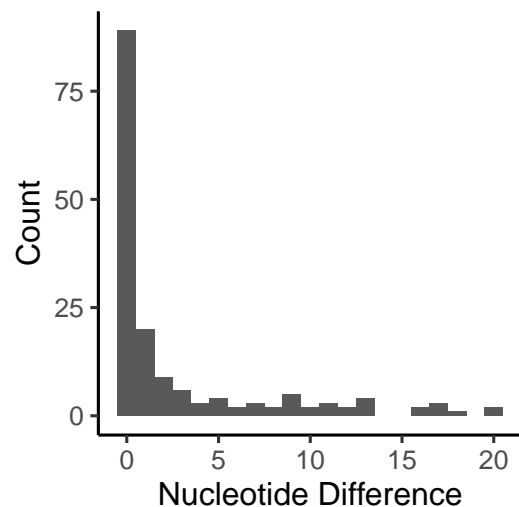
IGHV1-46*01

143 sequences assigned
51 (35.7%) exact matches, in which:
50 unique CDR3
5 unique J



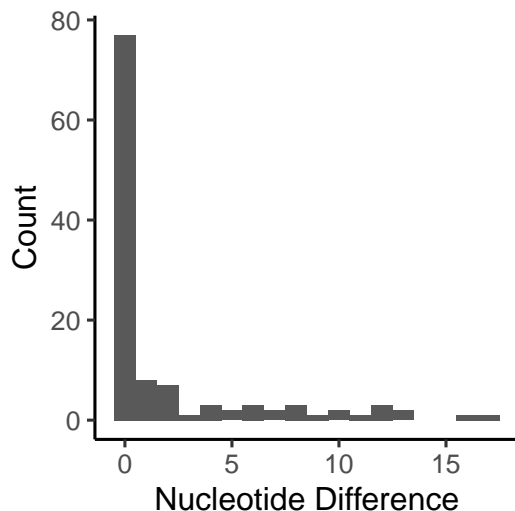
IGHV1-69*06

165 sequences assigned
89 (53.9%) exact matches, in which:
89 unique CDR3
6 unique J



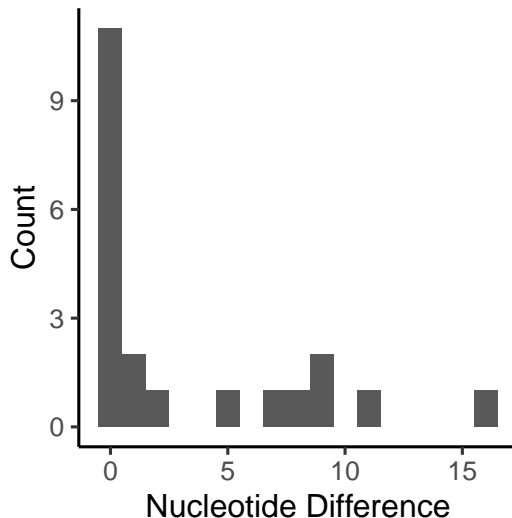
IGHV2-5*02

122 sequences assigned
77 (63.1%) exact matches, in which:
77 unique CDR3
7 unique J



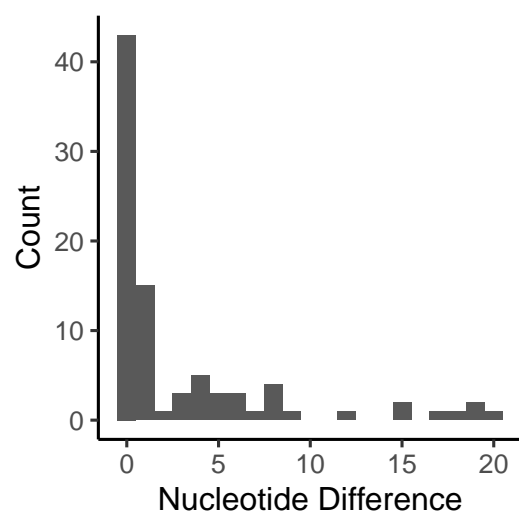
IGHV2-70*15

21 sequences assigned
11 (52.4%) exact matches, in which:
11 unique CDR3
4 unique J



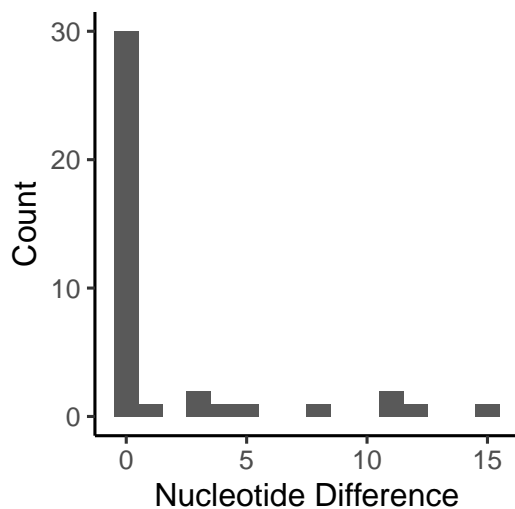
IGHV3-9*01

88 sequences assigned
43 (48.9%) exact matches, in which:
43 unique CDR3
5 unique J



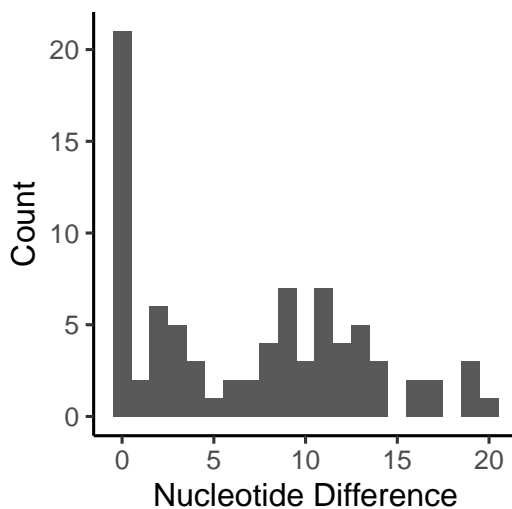
IGHV2-26*01

42 sequences assigned
30 (71.4%) exact matches, in which:
30 unique CDR3
6 unique J



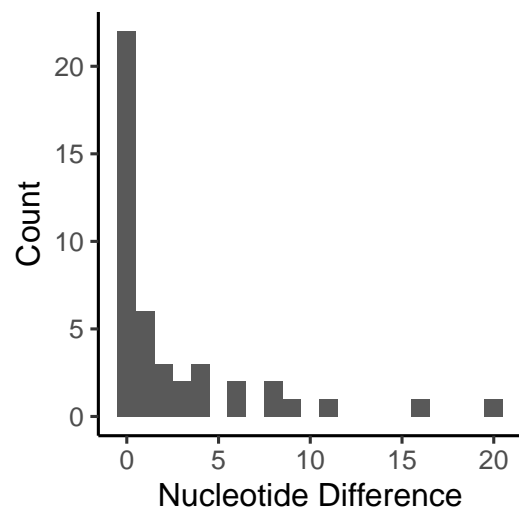
IGHV3-7*01

93 sequences assigned
21 (22.6%) exact matches, in which:
20 unique CDR3
5 unique J



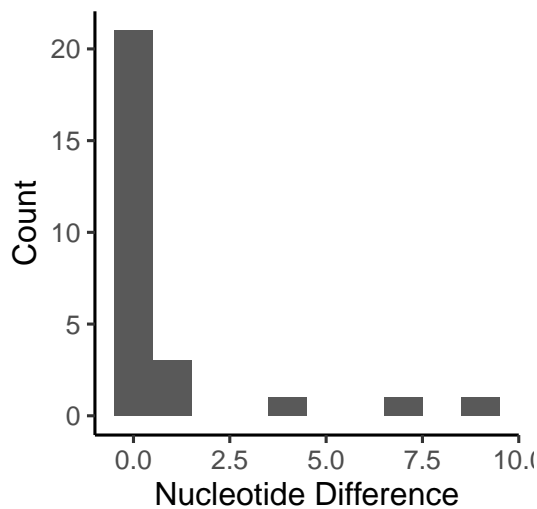
IGHV3-11*01

46 sequences assigned
22 (47.8%) exact matches, in which:
22 unique CDR3
5 unique J



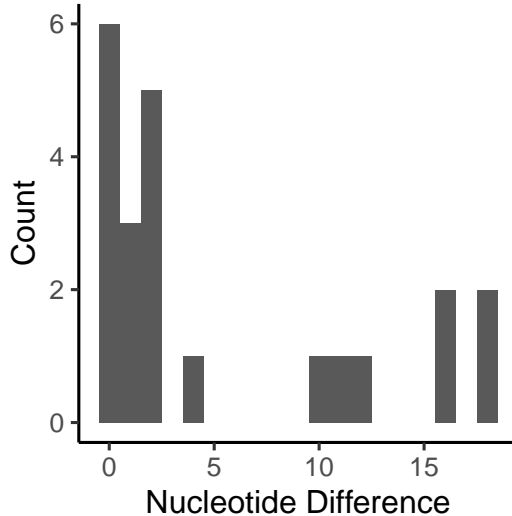
IGHV2-70*01

27 sequences assigned
21 (77.8%) exact matches, in which:
18 unique CDR3
4 unique J



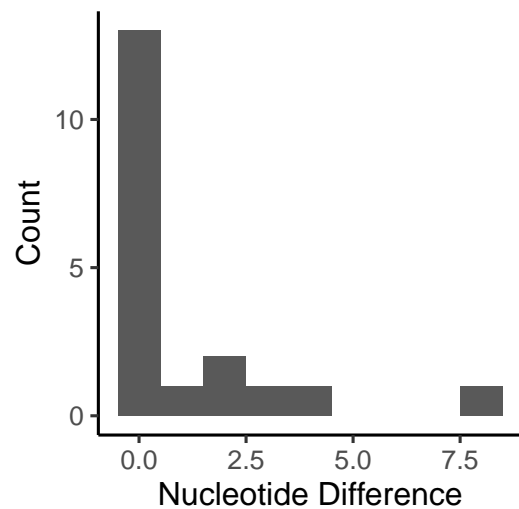
IGHV3-7*05

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



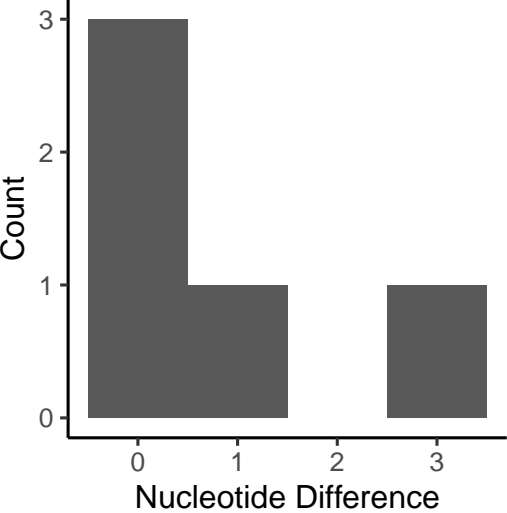
IGHV3-11*05

21 sequences assigned
13 (61.9%) exact matches, in which:
13 unique CDR3
4 unique J



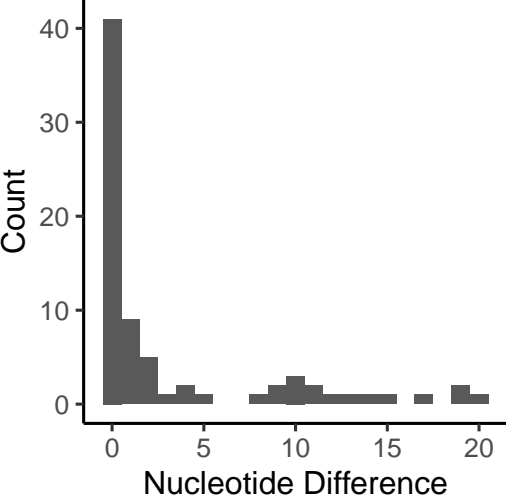
IGHV3-11*06

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



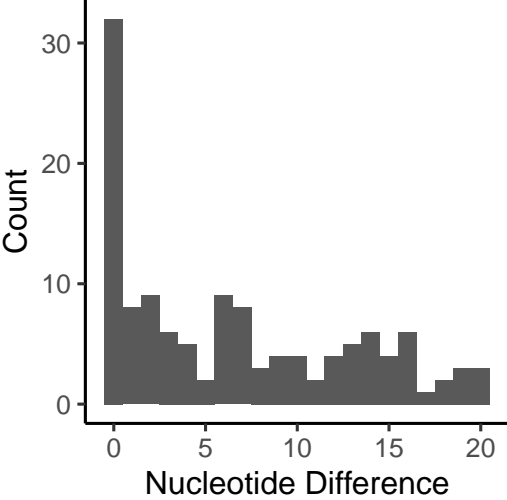
IGHV3-15*01

78 sequences assigned
41 (52.6%) exact matches, in which:
39 unique CDR3
5 unique J



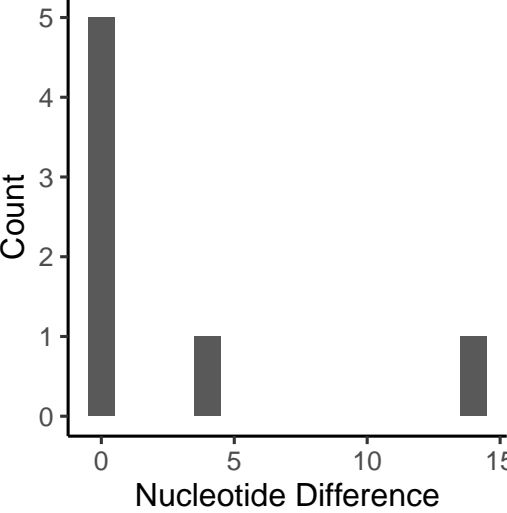
IGHV3-23*01

135 sequences assigned
32 (23.7%) exact matches, in which:
32 unique CDR3
5 unique J



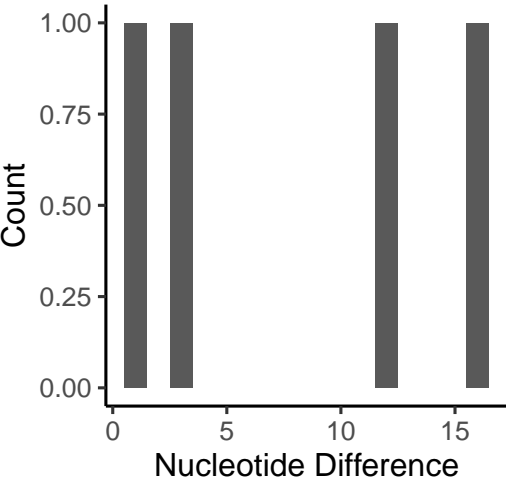
IGHV3-13*01

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
3 unique J



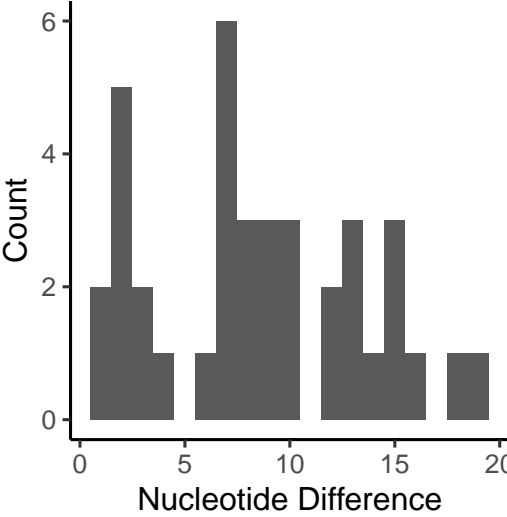
IGHV3-20*01

4 sequences assigned
No exact matches.



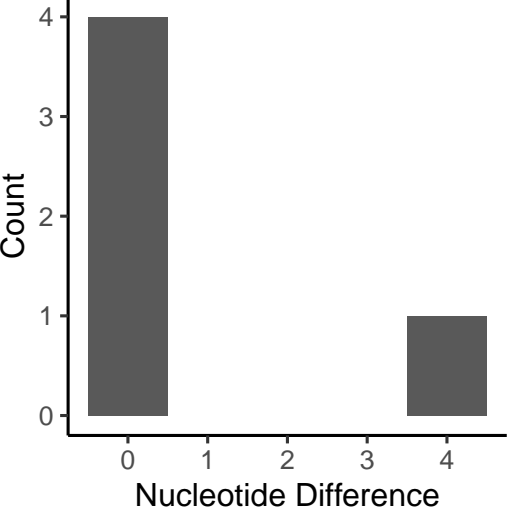
IGHV3-23*04

42 sequences assigned
No exact matches.



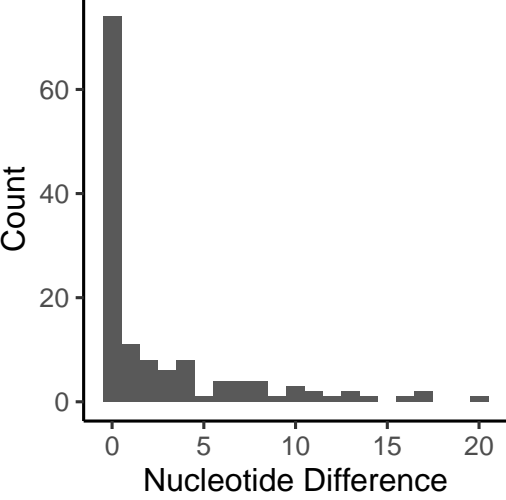
IGHV3-13*04

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



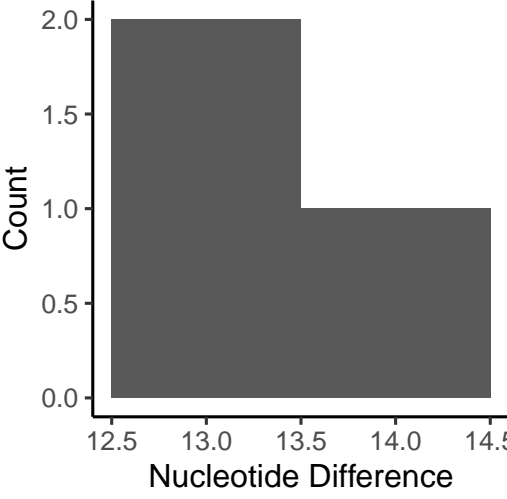
IGHV3-21*01

140 sequences assigned
74 (52.9%) exact matches, in which:
74 unique CDR3
7 unique J



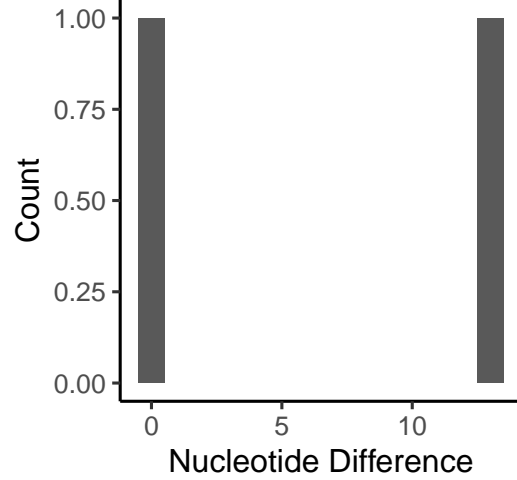
IGHV3-30-3*01

3 sequences assigned
No exact matches.



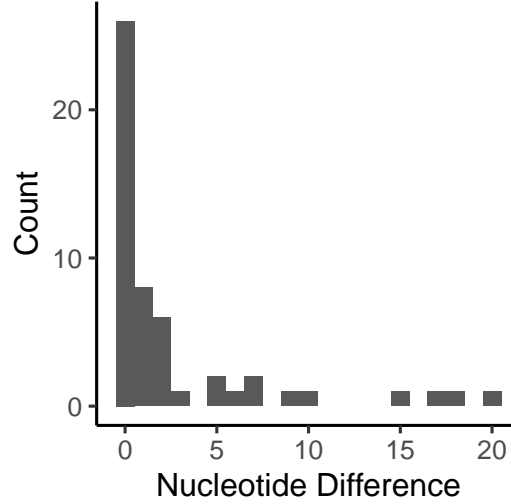
IGHV3-30-3*02

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



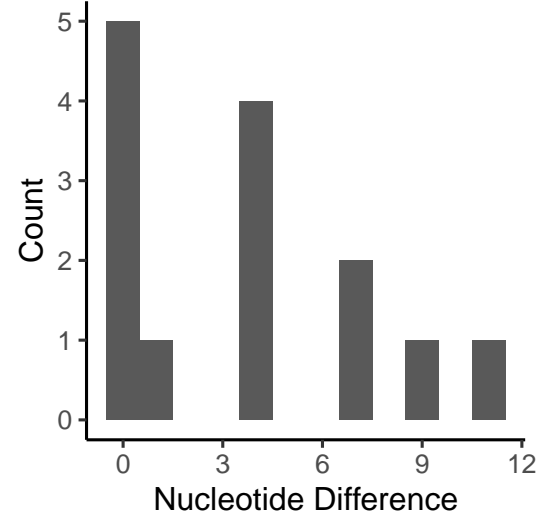
IGHV3-33*01

52 sequences assigned
26 (50%) exact matches, in which:
26 unique CDR3
6 unique J



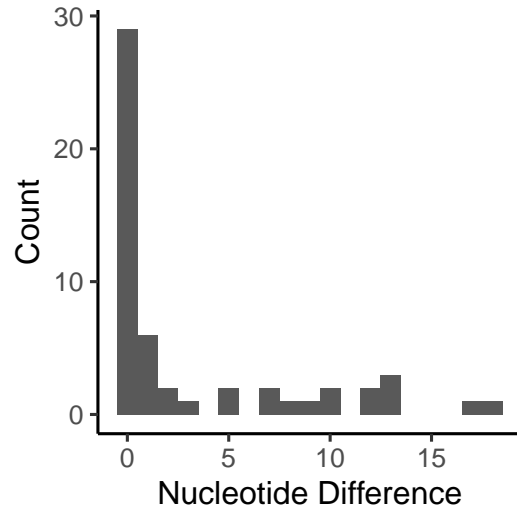
IGHV3-43*01

15 sequences assigned
5 (33.3%) exact matches, in which:
5 unique CDR3
2 unique J



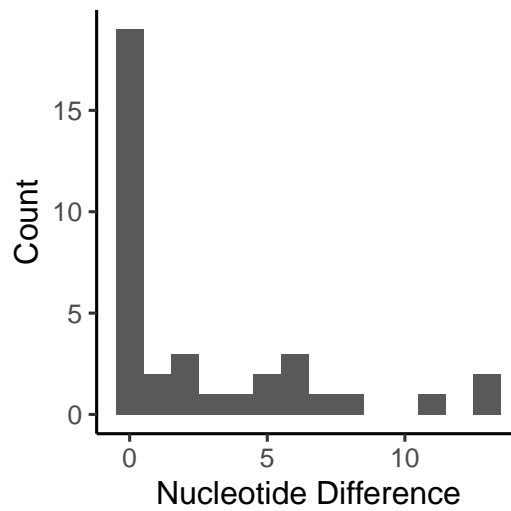
IGHV3-30*04

55 sequences assigned
29 (52.7%) exact matches, in which:
29 unique CDR3
4 unique J



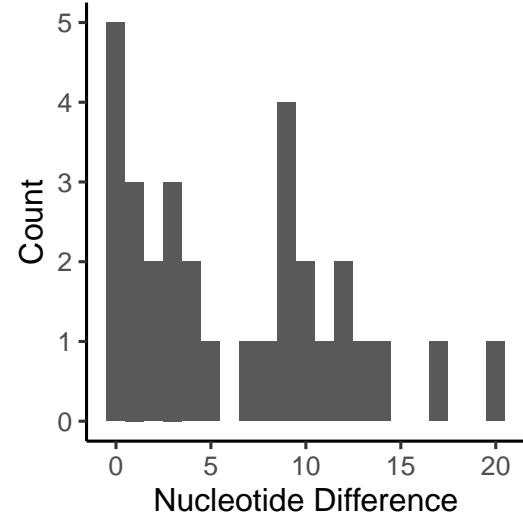
IGHV3-33*06

36 sequences assigned
19 (52.8%) exact matches, in which:
19 unique CDR3
4 unique J



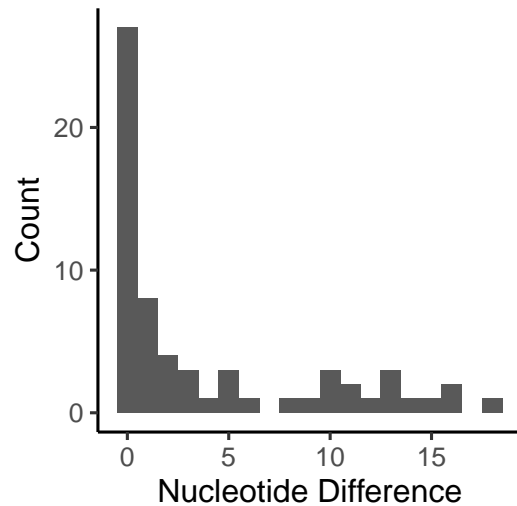
IGHV3-48*01

31 sequences assigned
5 (16.1%) exact matches, in which:
5 unique CDR3
3 unique J



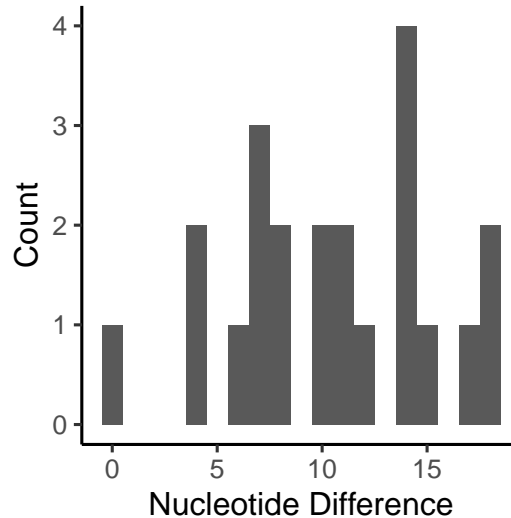
IGHV3-30*18

75 sequences assigned
27 (36%) exact matches, in which:
27 unique CDR3
5 unique J



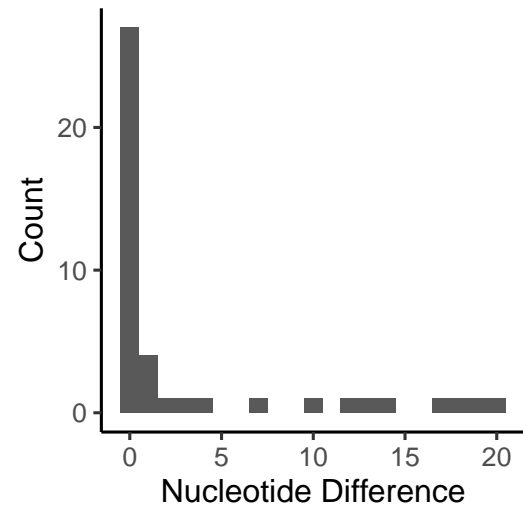
IGHV3-33*08

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



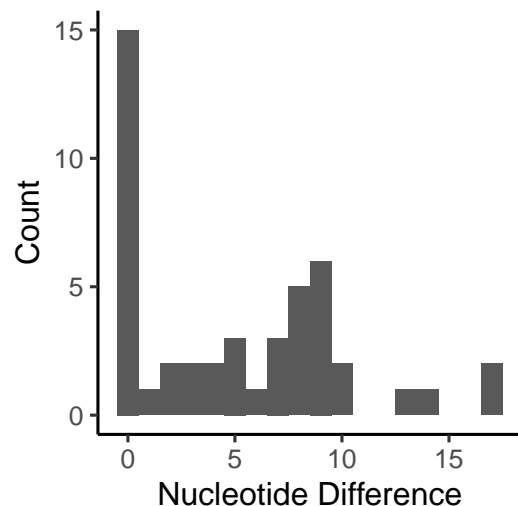
IGHV3-48*02

45 sequences assigned
27 (60%) exact matches, in which:
27 unique CDR3
5 unique J



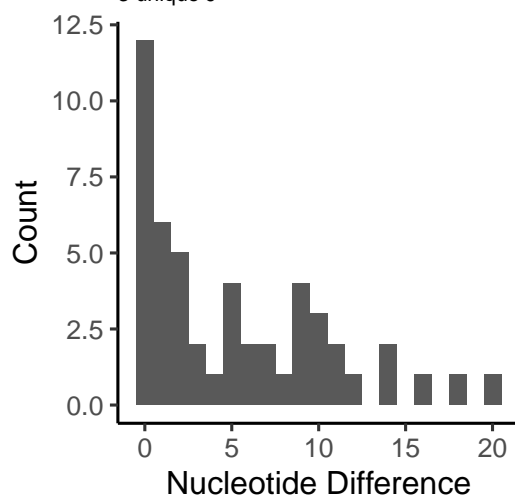
IGHV3-48*04

46 sequences assigned
15 (32.6%) exact matches, in which:
15 unique CDR3
3 unique J



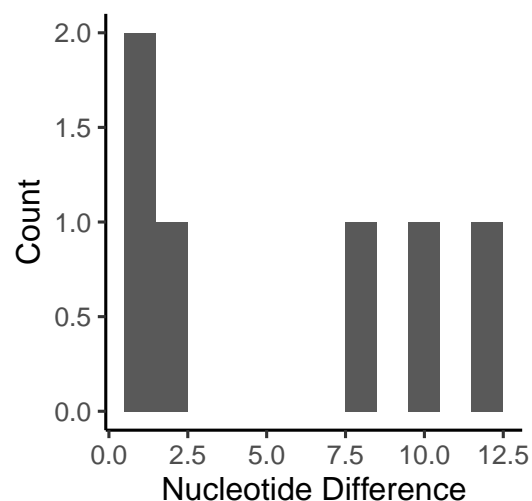
IGHV3-53*01

51 sequences assigned
12 (23.5%) exact matches, in which:
12 unique CDR3
3 unique J



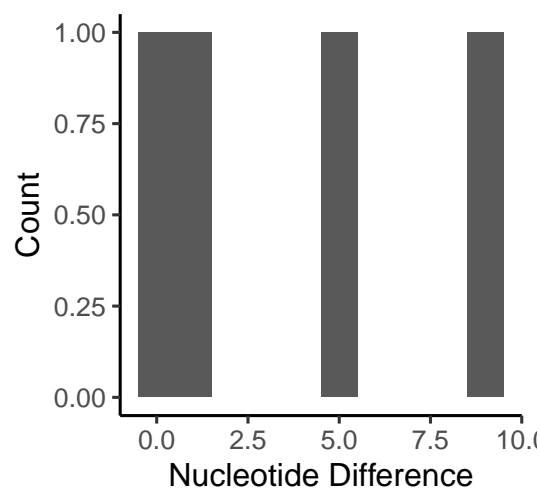
IGHV3-64*04

6 sequences assigned
No exact matches.



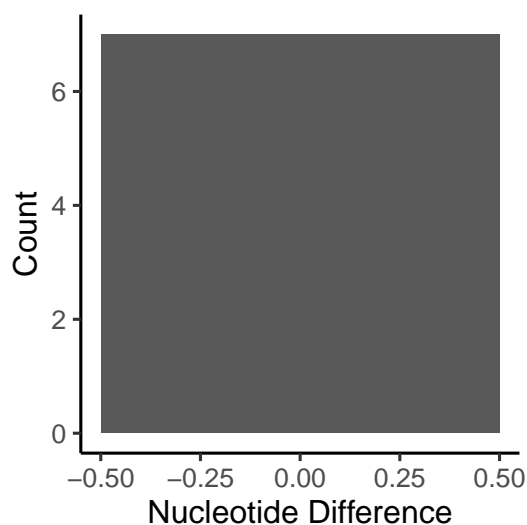
IGHV3-49*03

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



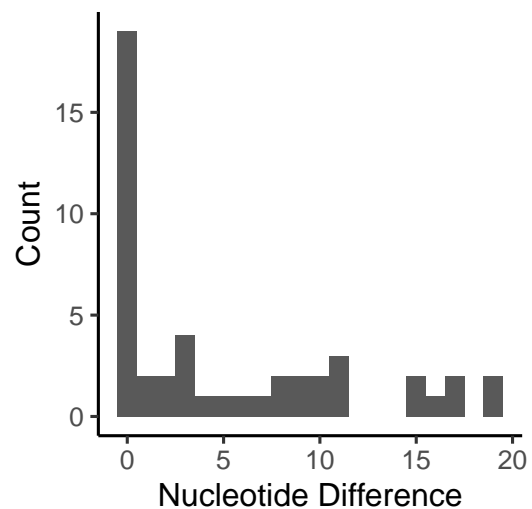
IGHV3-53*04

7 sequences assigned
7 (100%) exact matches, in which:
7 unique CDR3
5 unique J



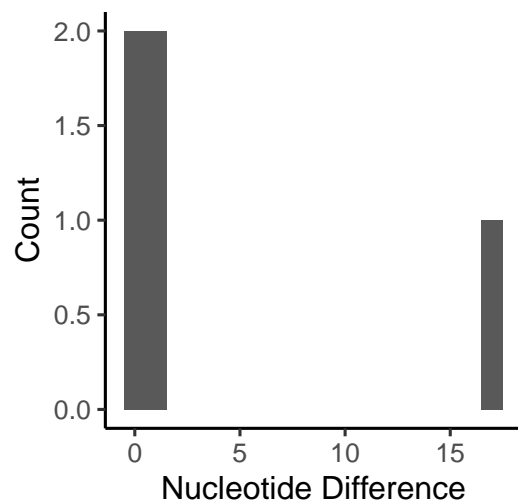
IGHV3-66*01

49 sequences assigned
19 (38.8%) exact matches, in which:
19 unique CDR3
5 unique J



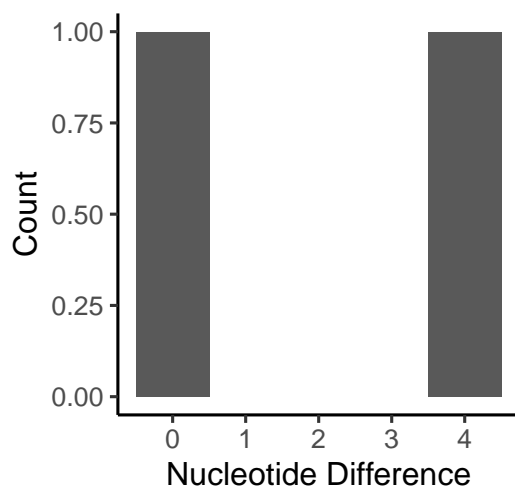
IGHV3-49*05

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



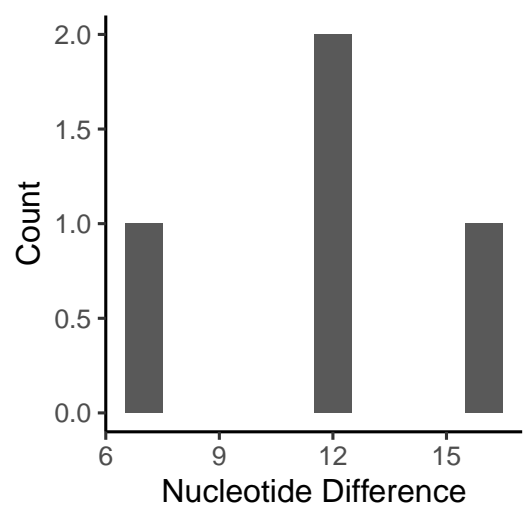
IGHV3-64*01

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



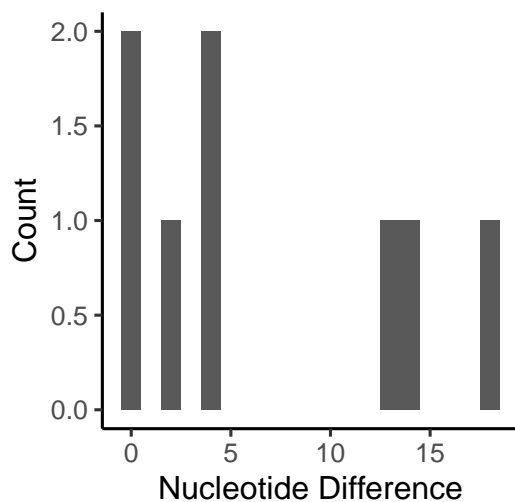
IGHV3-69-1*01

4 sequences assigned
No exact matches.



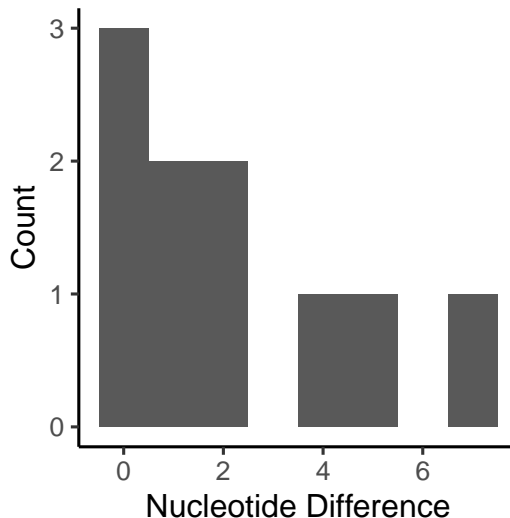
IGHV3-72*01

9 sequences assigned
2 (22.2%) exact matches, in which:
2 unique CDR3
2 unique J



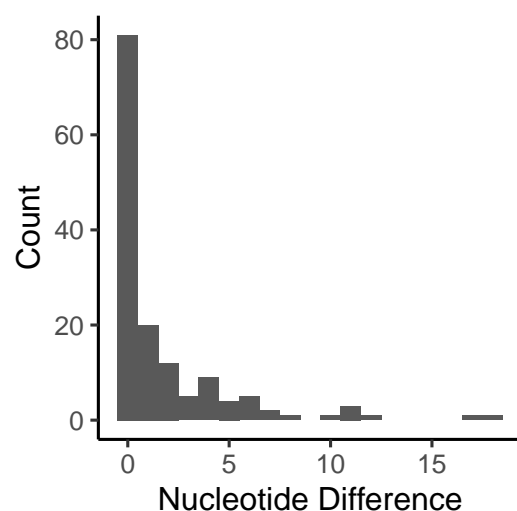
IGHV3-64D*09

11 sequences assigned
3 (27.3%) exact matches, in which:
3 unique CDR3
2 unique J



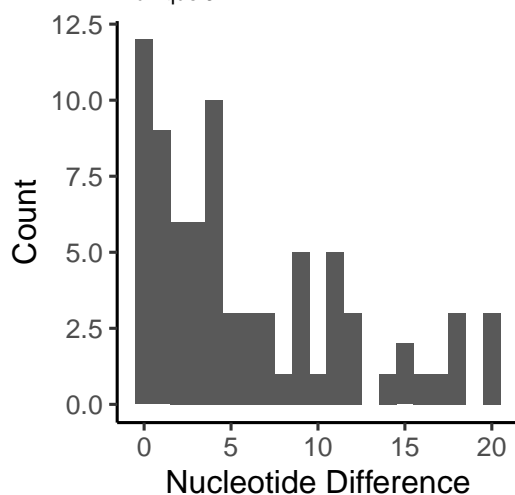
IGHV4-31*03

147 sequences assigned
81 (55.1%) exact matches, in which:
80 unique CDR3
6 unique J



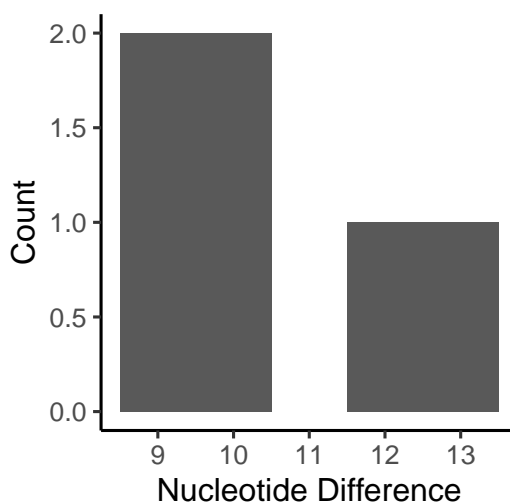
IGHV3-74*01

82 sequences assigned
12 (14.6%) exact matches, in which:
12 unique CDR3
4 unique J



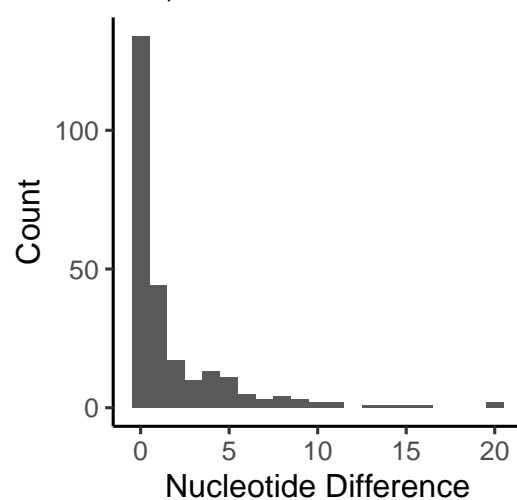
IGHV3-NL1*01

6 sequences assigned
No exact matches.



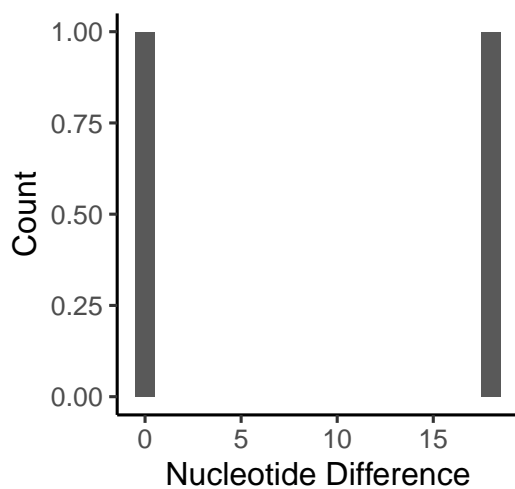
IGHV4-34*01

257 sequences assigned
134 (52.1%) exact matches, in which:
133 unique CDR3
7 unique J



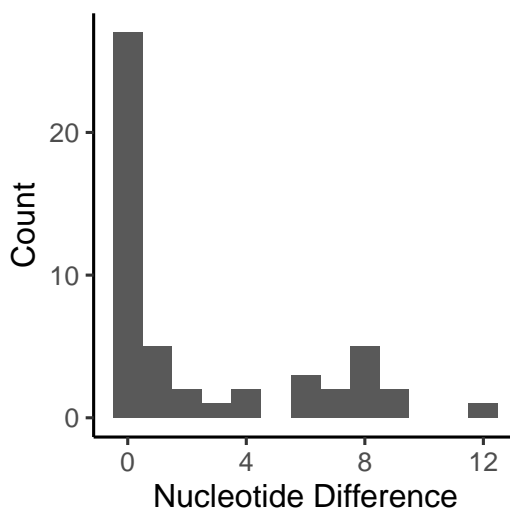
IGHV3-43D*03

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



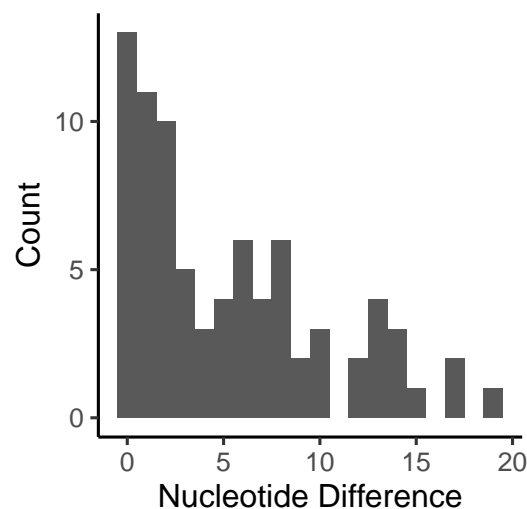
IGHV4-4*07

54 sequences assigned
27 (50%) exact matches, in which:
27 unique CDR3
5 unique J



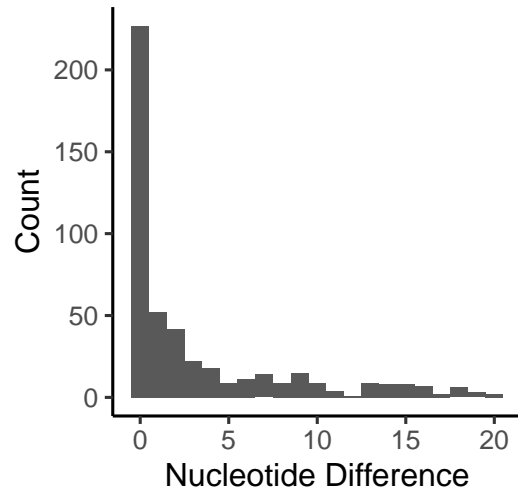
IGHV4-38-2*02

83 sequences assigned
13 (15.7%) exact matches, in which:
13 unique CDR3
4 unique J



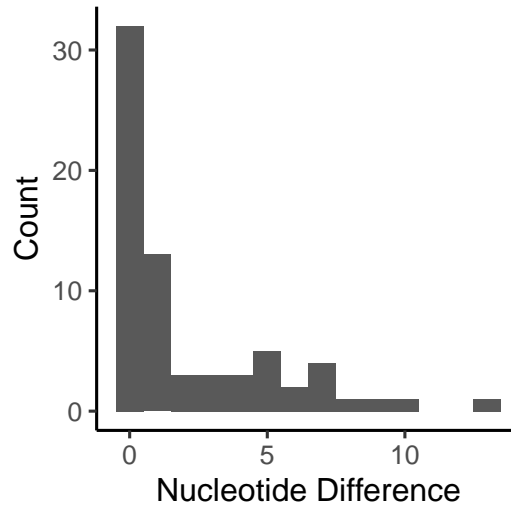
IGHV4–39*07

496 sequences assigned
227 (45.8%) exact matches, in which:
224 unique CDR3
6 unique J



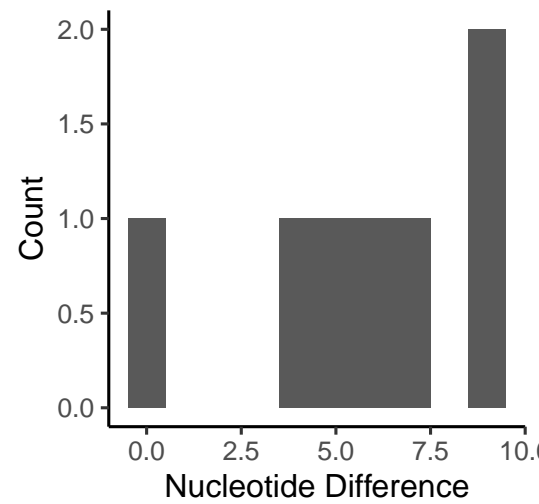
IGHV4–59*12

71 sequences assigned
32 (45.1%) exact matches, in which:
32 unique CDR3
5 unique J



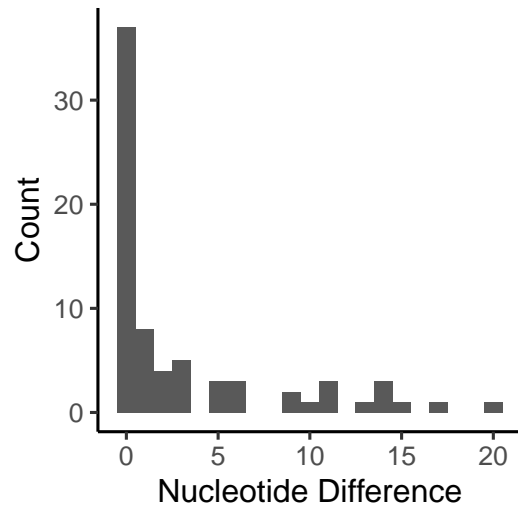
IGHV4–61*08

7 sequences assigned
1 (14.3%) exact matches, in which:
1 unique CDR3
1 unique J



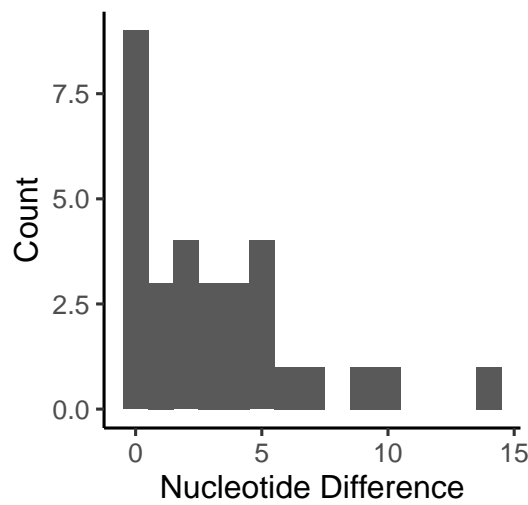
IGHV4–59*01

74 sequences assigned
37 (50%) exact matches, in which:
37 unique CDR3
7 unique J



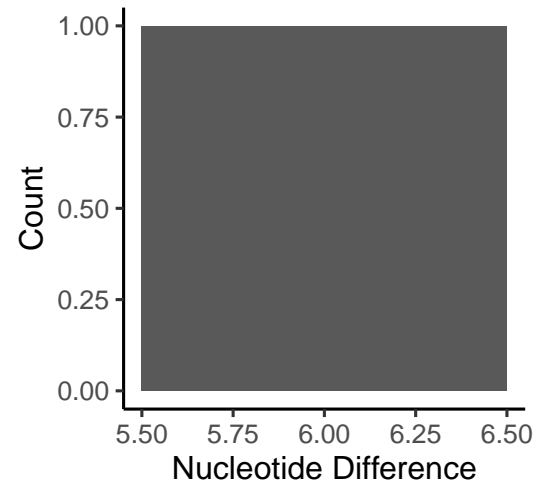
IGHV4–61*01

31 sequences assigned
9 (29%) exact matches, in which:
9 unique CDR3
4 unique J



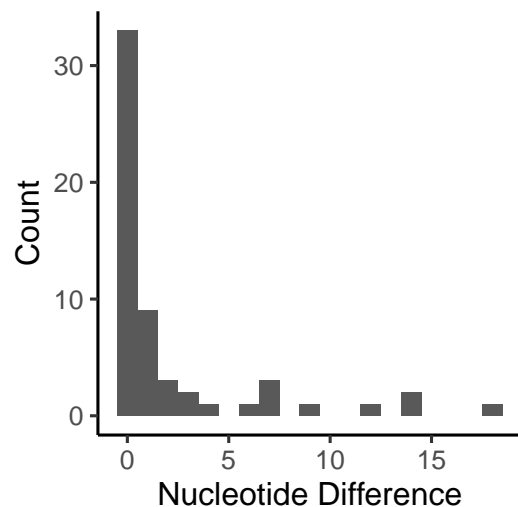
IGHV4/OR15–8*01

1 sequences assigned
No exact matches.



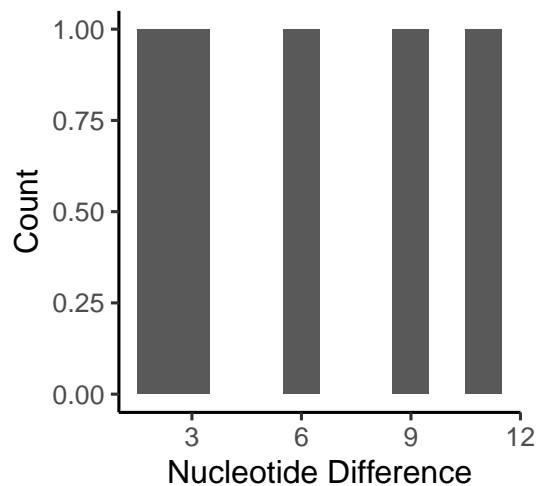
IGHV4–59*08

60 sequences assigned
33 (55%) exact matches, in which:
33 unique CDR3
6 unique J



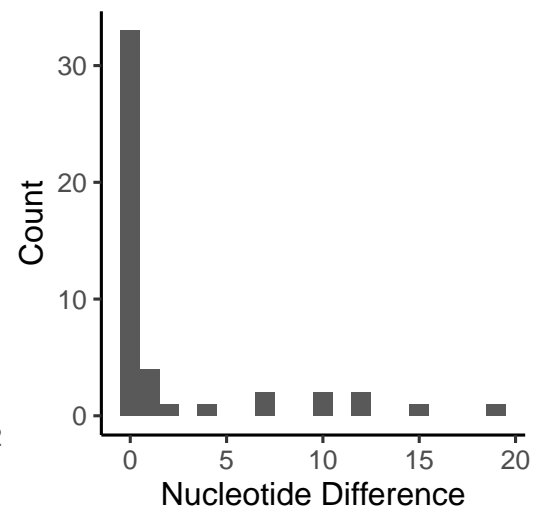
IGHV4–61*02

5 sequences assigned
No exact matches.



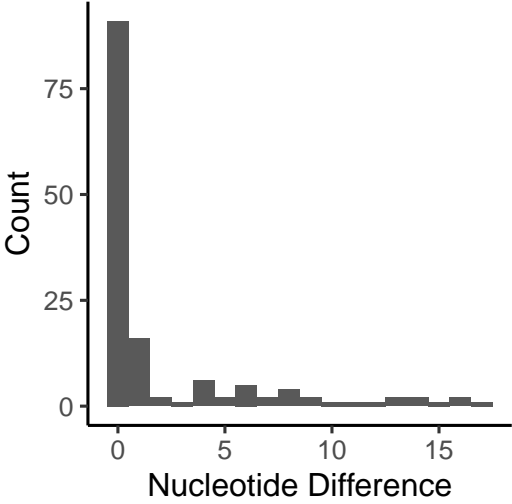
IGHV5–10–1*01

50 sequences assigned
33 (66%) exact matches, in which:
32 unique CDR3
5 unique J



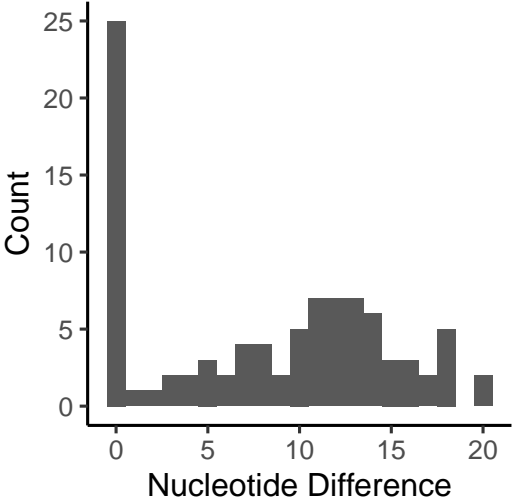
IGHV5-51*01

148 sequences assigned
91 (61.5%) exact matches, in which:
90 unique CDR3
7 unique J



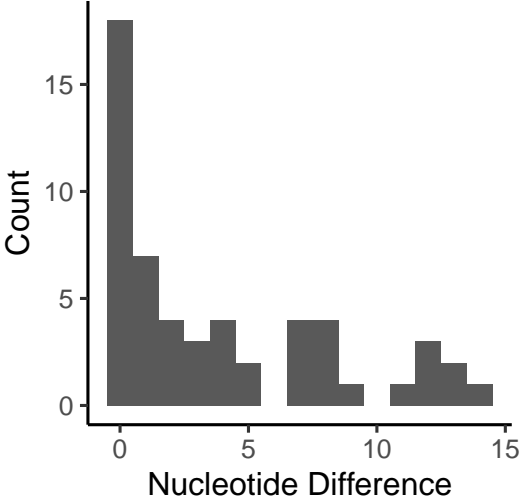
IGHV7-4-1*02

99 sequences assigned
25 (25.3%) exact matches, in which:
24 unique CDR3
6 unique J



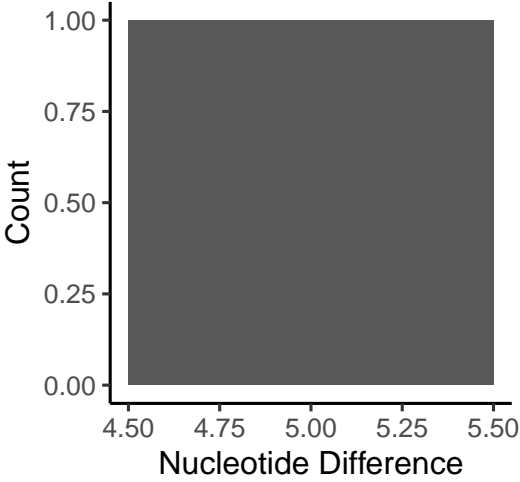
IGHV6-1*01

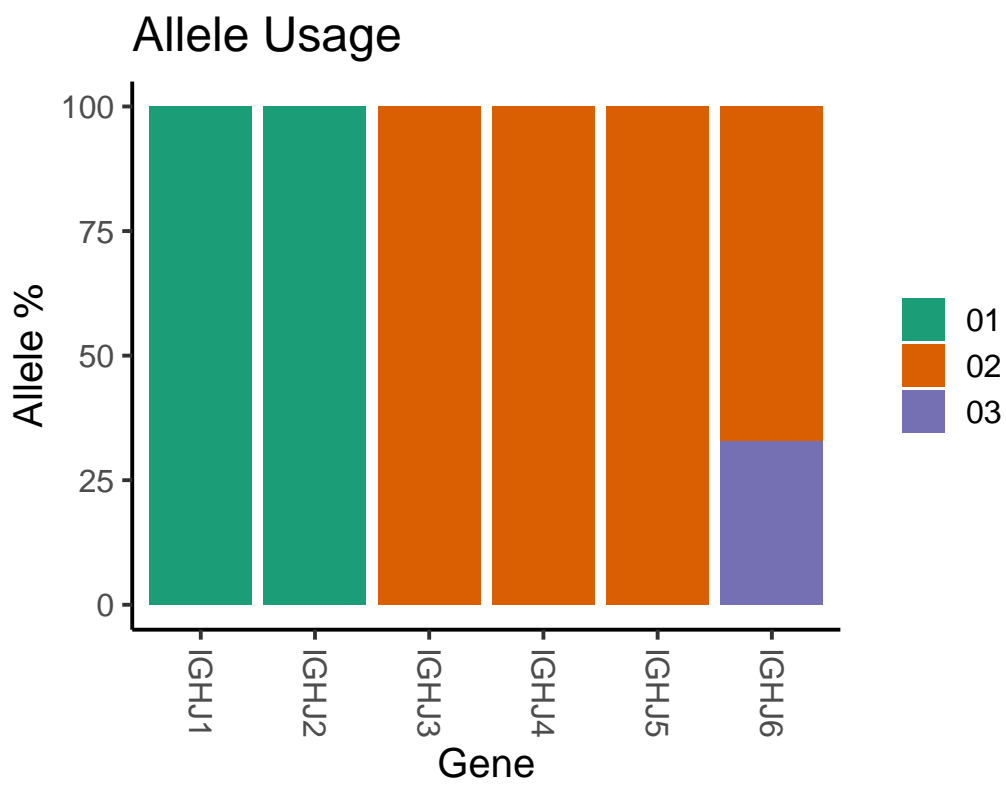
55 sequences assigned
18 (32.7%) exact matches, in which:
18 unique CDR3
6 unique J



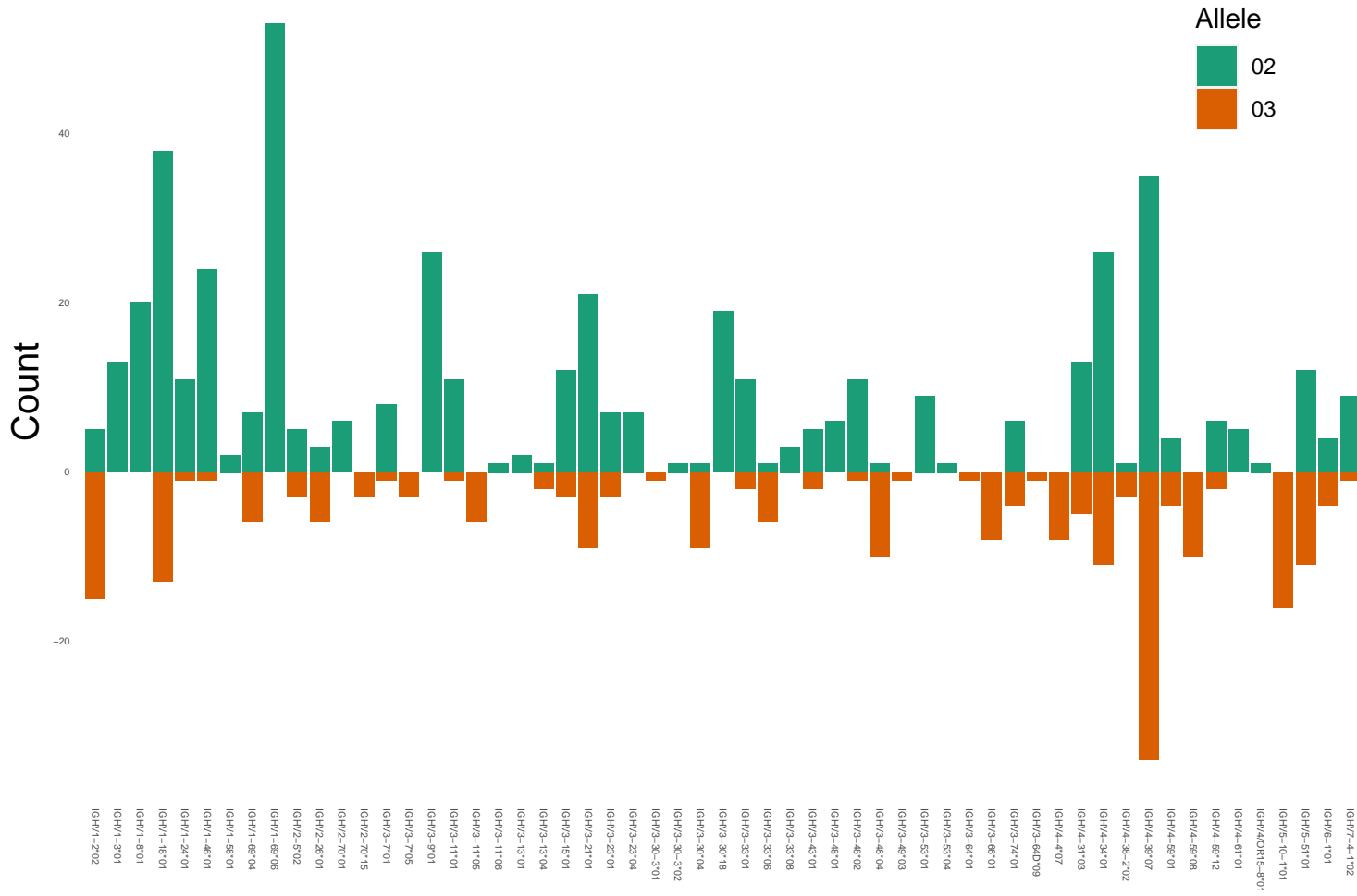
IGHV3/OR16-9*01

1 sequences assigned
No exact matches.





Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.