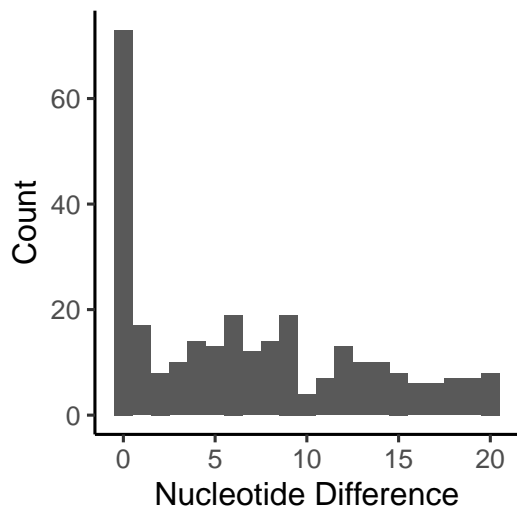


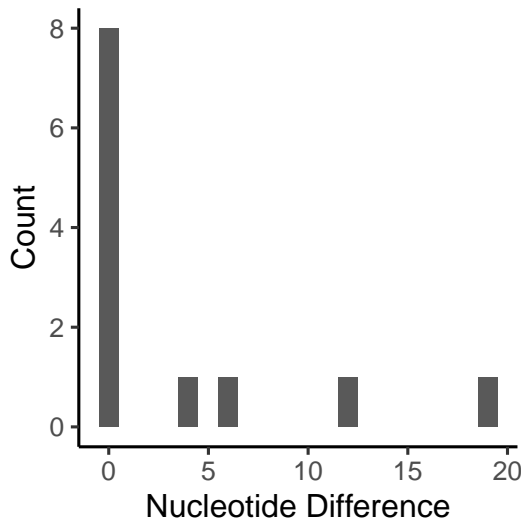
IGHV1-2*02

330 sequences assigned
73 (22.1%) exact matches, in which:
73 unique CDR3
5 unique J



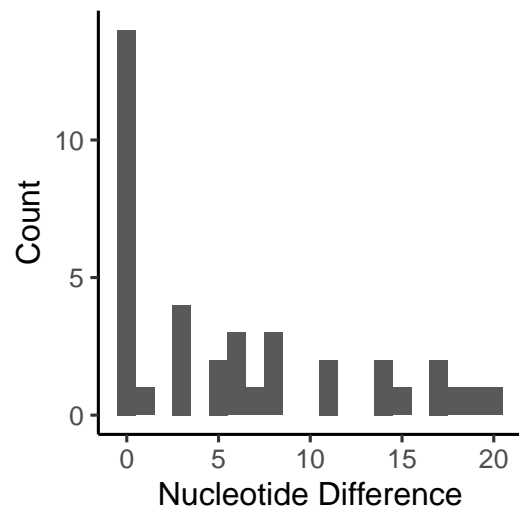
IGHV1-24*01

15 sequences assigned
8 (53.3%) exact matches, in which:
8 unique CDR3
3 unique J



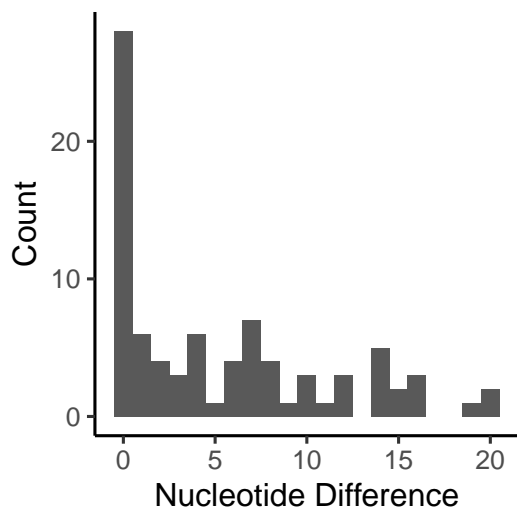
IGHV1-46*03

39 sequences assigned
14 (35.9%) exact matches, in which:
14 unique CDR3
4 unique J



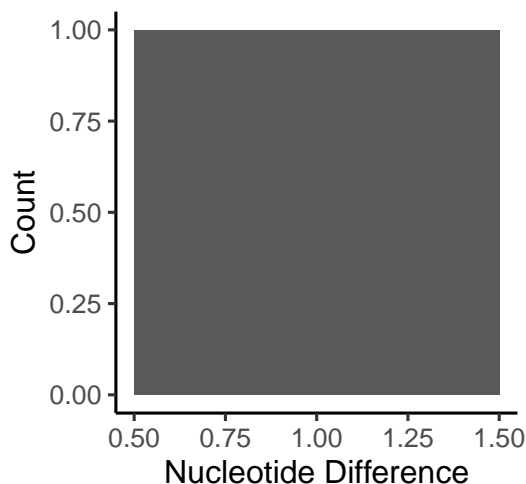
IGHV1-8*01

96 sequences assigned
28 (29.2%) exact matches, in which:
28 unique CDR3
4 unique J



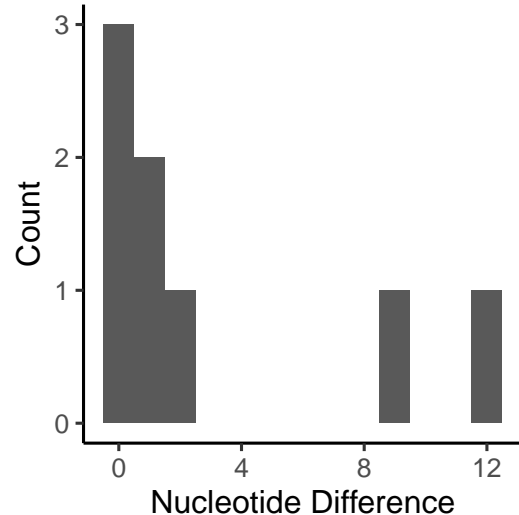
IGHV1-45*02

1 sequences assigned
No exact matches.



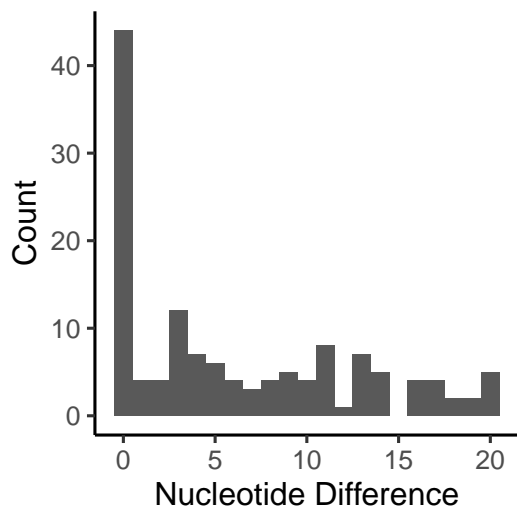
IGHV1-58*01

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
3 unique J



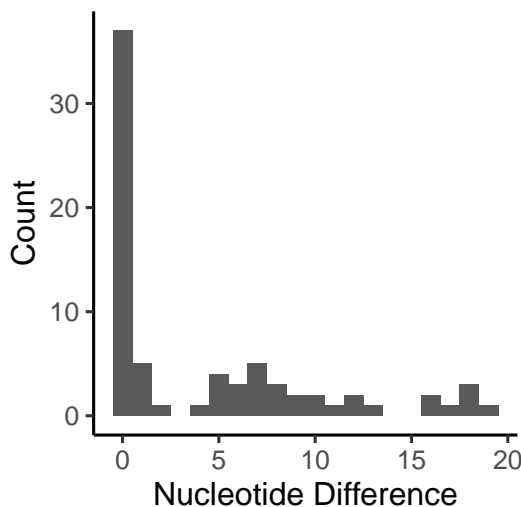
IGHV1-18*01

166 sequences assigned
44 (26.5%) exact matches, in which:
44 unique CDR3
4 unique J



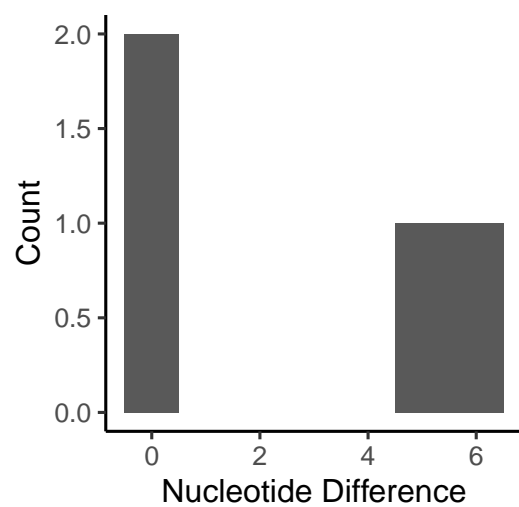
IGHV1-46*01

82 sequences assigned
37 (45.1%) exact matches, in which:
36 unique CDR3
5 unique J



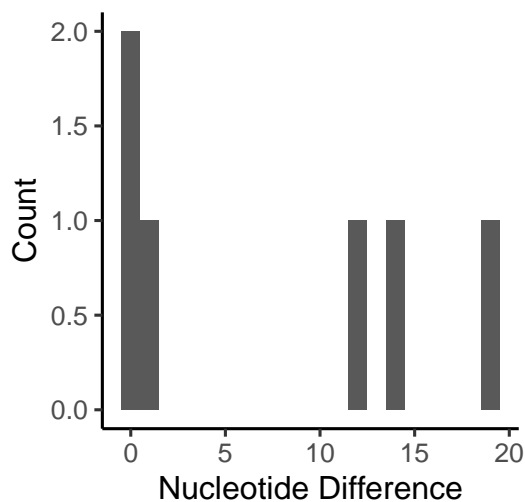
IGHV1-58*02

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



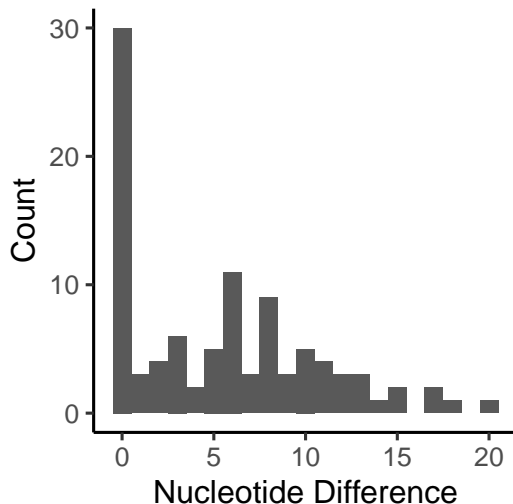
IGHV1-69-2*01

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



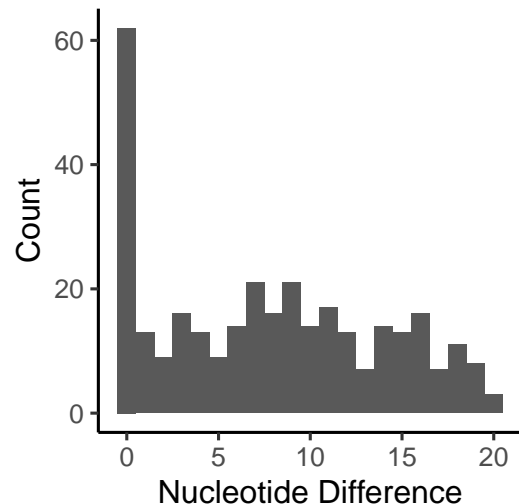
IGHV2-5*01

104 sequences assigned
30 (28.8%) exact matches, in which:
29 unique CDR3
5 unique J



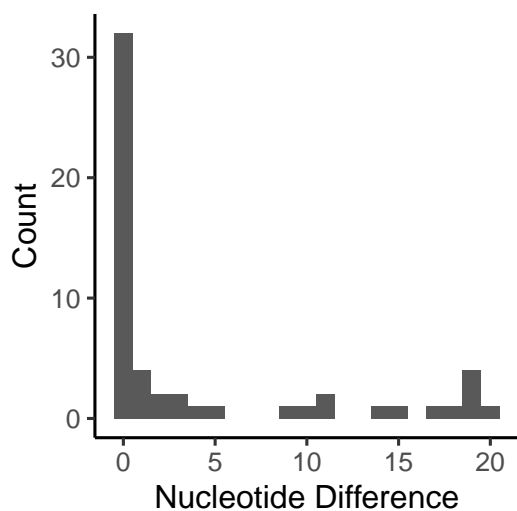
IGHV3-7*01

338 sequences assigned
62 (18.3%) exact matches, in which:
61 unique CDR3
6 unique J



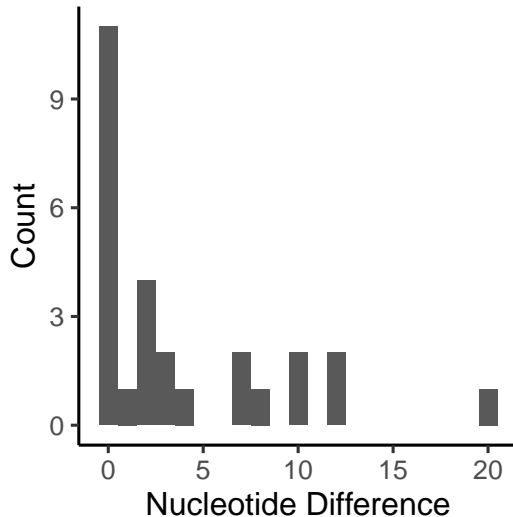
IGHV1-69*06

74 sequences assigned
32 (43.2%) exact matches, in which:
32 unique CDR3
4 unique J



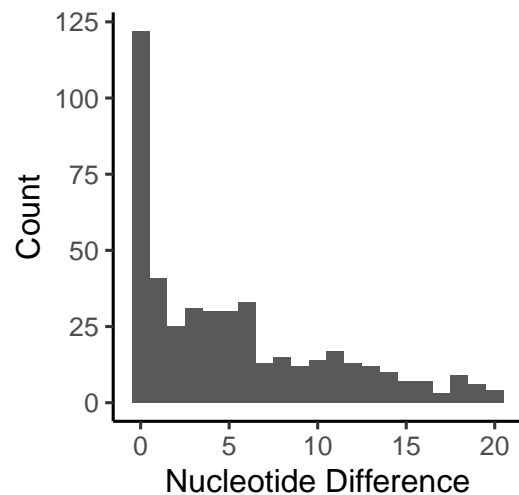
IGHV2-26*01

28 sequences assigned
11 (39.3%) exact matches, in which:
11 unique CDR3
4 unique J



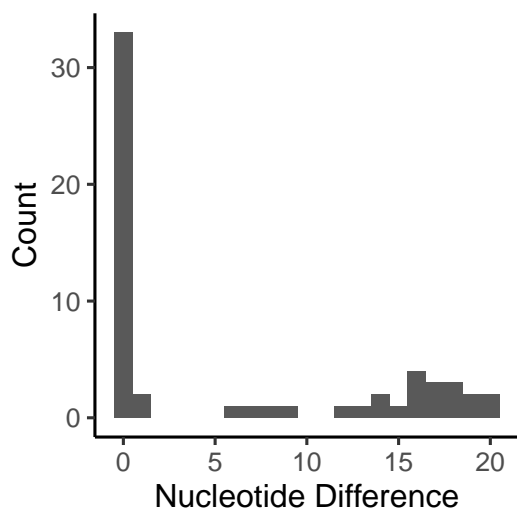
IGHV3-9*01

468 sequences assigned
122 (26.1%) exact matches, in which:
122 unique CDR3
6 unique J



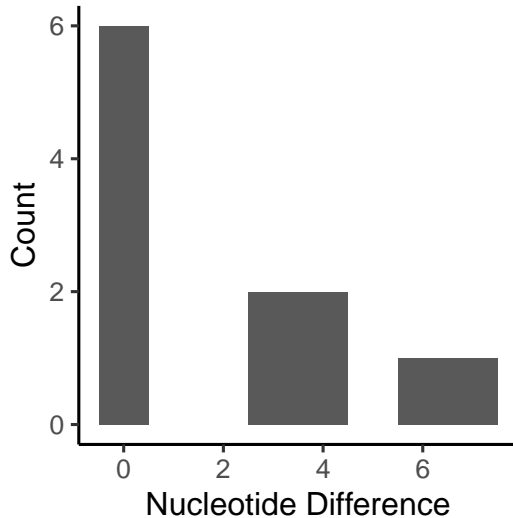
IGHV1-69*10

71 sequences assigned
33 (46.5%) exact matches, in which:
33 unique CDR3
5 unique J



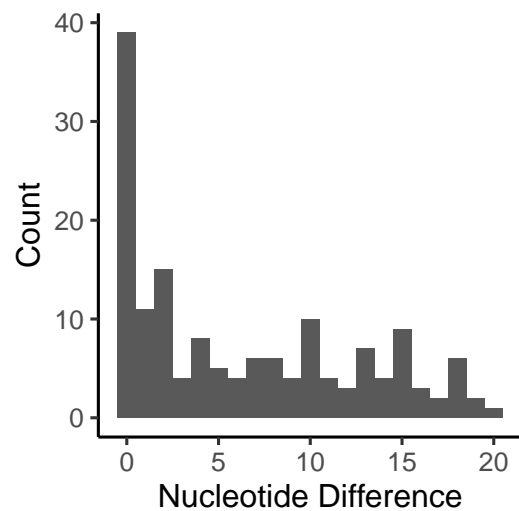
IGHV2-70*01

13 sequences assigned
6 (46.2%) exact matches, in which:
6 unique CDR3
2 unique J



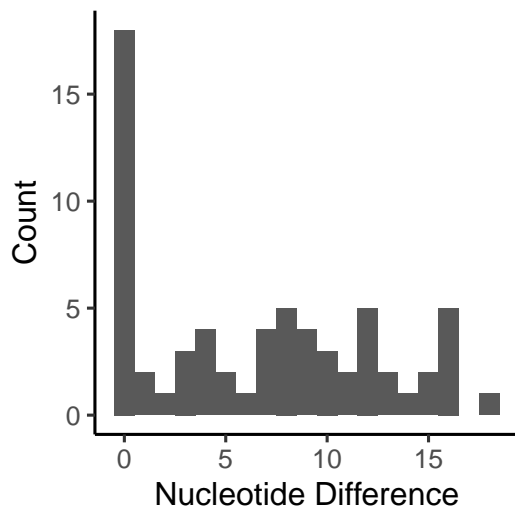
IGHV3-11*01

161 sequences assigned
39 (24.2%) exact matches, in which:
39 unique CDR3
6 unique J



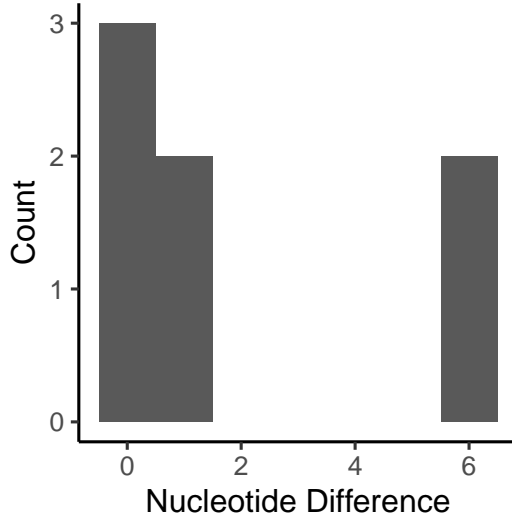
IGHV3-13*01

71 sequences assigned
18 (25.4%) exact matches, in which:
18 unique CDR3
4 unique J



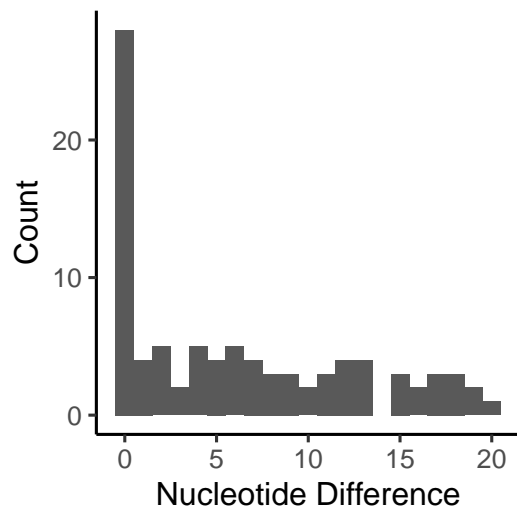
IGHV3-20*01

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
3 unique J



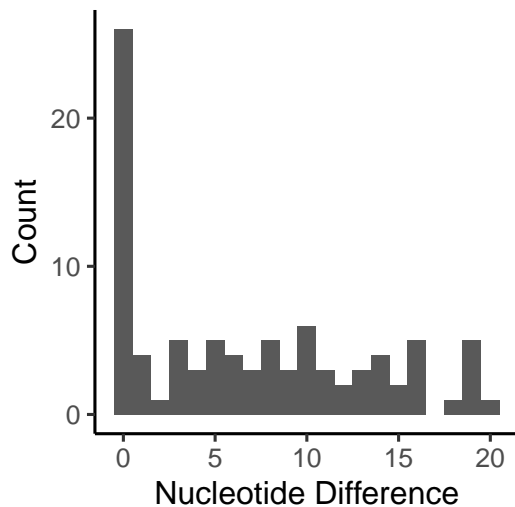
IGHV3-30*18_C75G

105 sequences assigned
28 (26.7%) exact matches, in which:
28 unique CDR3
4 unique J



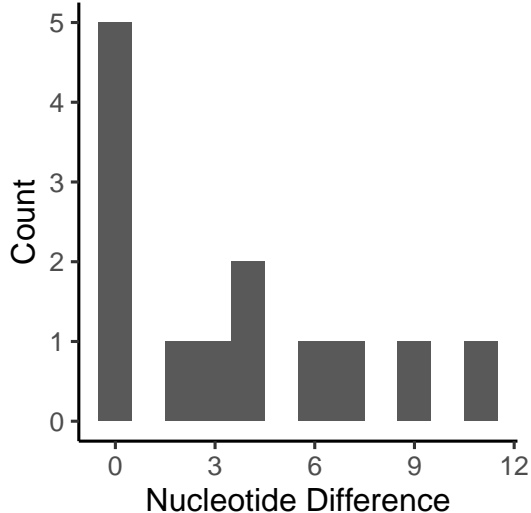
IGHV3-15*01

103 sequences assigned
26 (25.2%) exact matches, in which:
26 unique CDR3
4 unique J



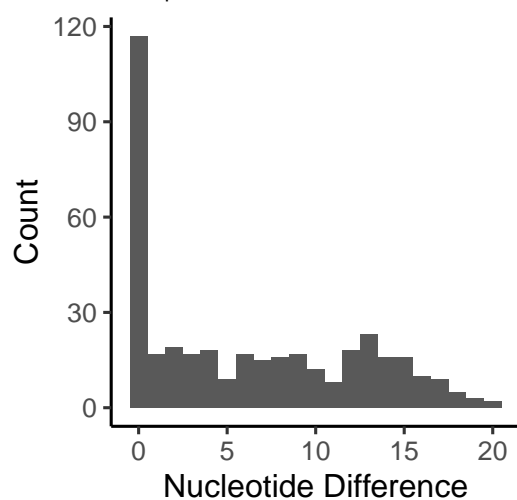
IGHV3-20*04

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



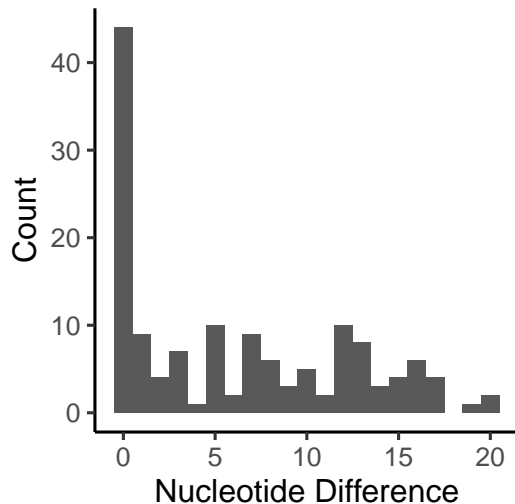
IGHV3-33*01

410 sequences assigned
117 (28.5%) exact matches, in which:
117 unique CDR3
6 unique J



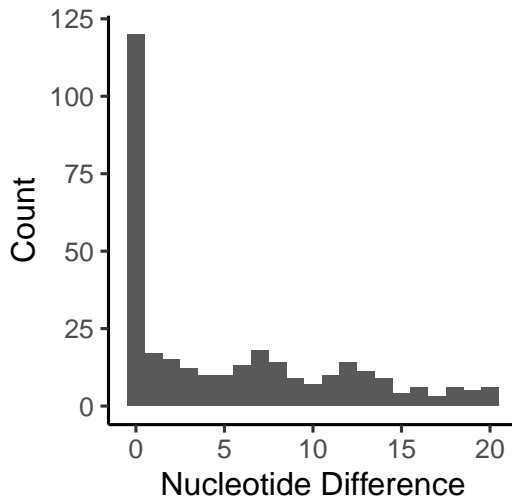
IGHV3-15*07

161 sequences assigned
44 (27.3%) exact matches, in which:
44 unique CDR3
4 unique J



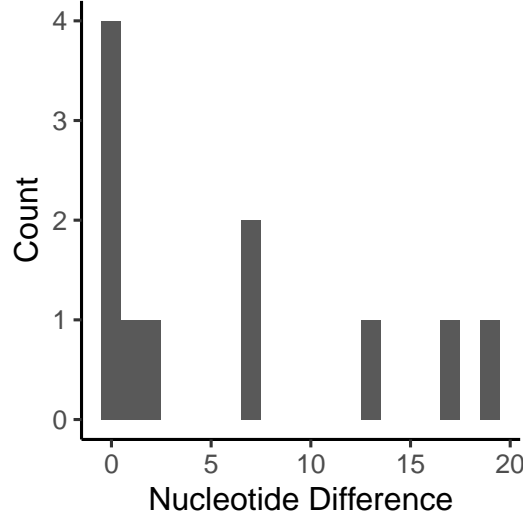
IGHV3-21*01

351 sequences assigned
120 (34.2%) exact matches, in which:
120 unique CDR3
6 unique J



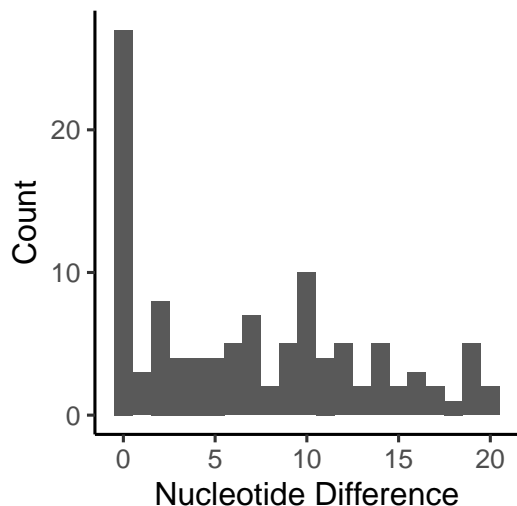
IGHV3-43*01

11 sequences assigned
4 (36.4%) exact matches, in which:
4 unique CDR3
3 unique J



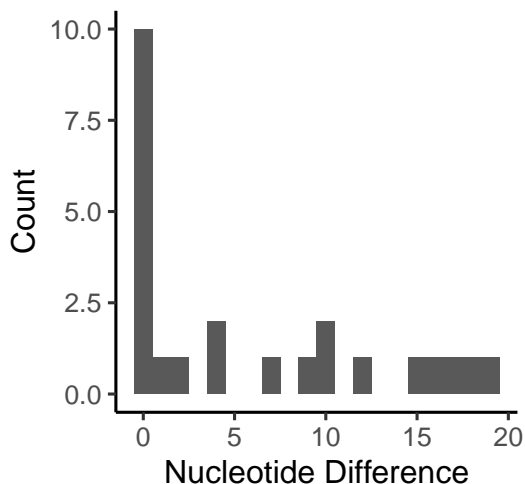
IGHV3-48*01

118 sequences assigned
27 (22.9%) exact matches, in which:
27 unique CDR3
4 unique J



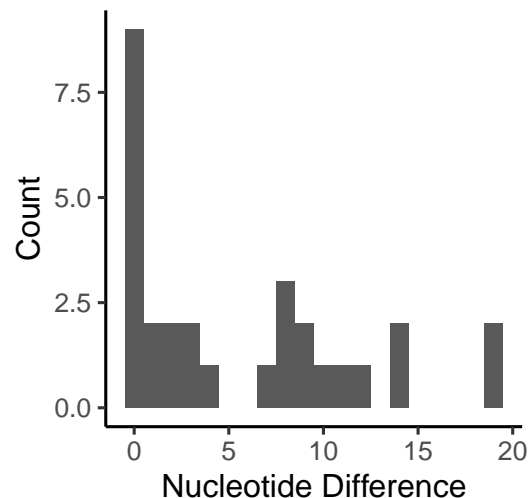
IGHV3-49*05

27 sequences assigned
10 (37%) exact matches, in which:
10 unique CDR3
3 unique J



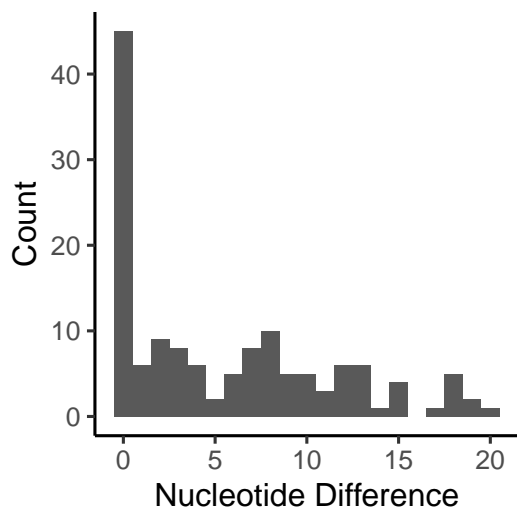
IGHV3-64*01

34 sequences assigned
9 (26.5%) exact matches, in which:
9 unique CDR3
3 unique J



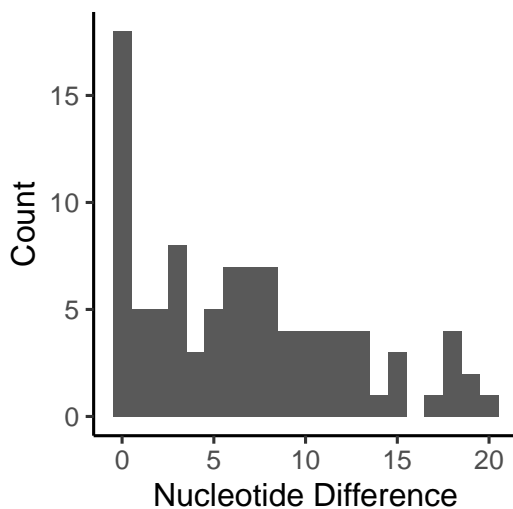
IGHV3-48*02

147 sequences assigned
45 (30.6%) exact matches, in which:
45 unique CDR3
6 unique J



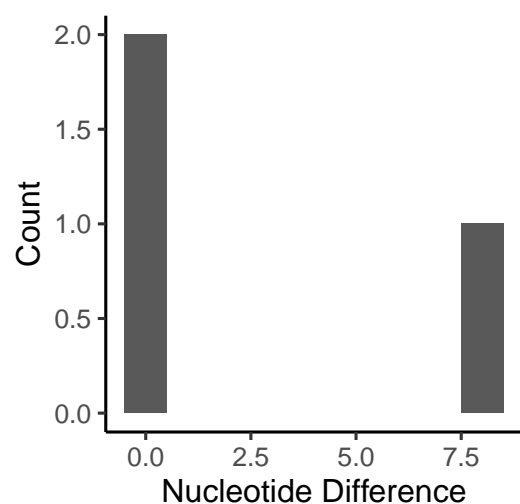
IGHV3-53*01

113 sequences assigned
18 (15.9%) exact matches, in which:
18 unique CDR3
5 unique J



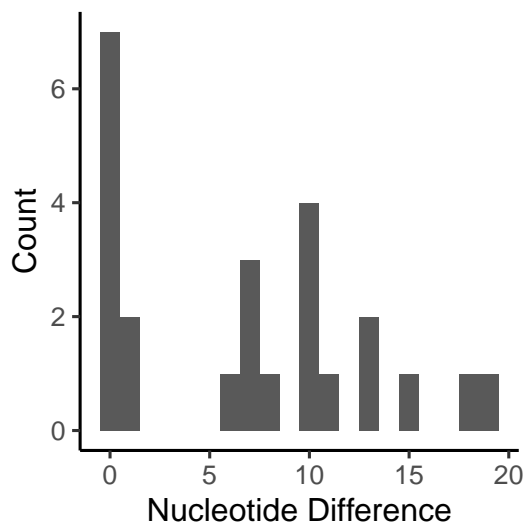
IGHV3-64*02

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



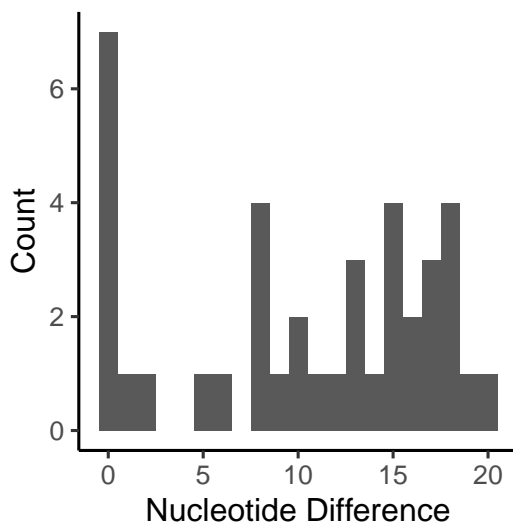
IGHV3-49*03

29 sequences assigned
7 (24.1%) exact matches, in which:
7 unique CDR3
3 unique J



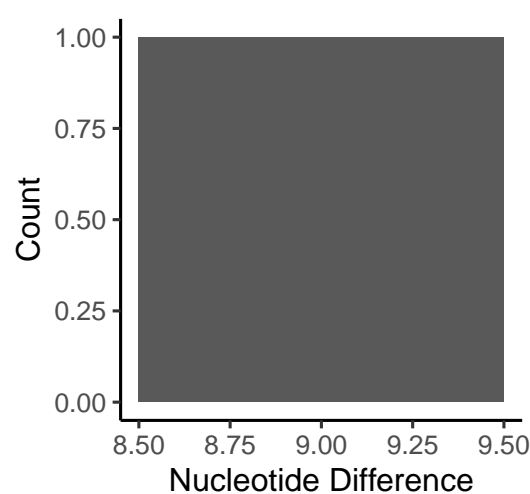
IGHV3-53*02

44 sequences assigned
7 (15.9%) exact matches, in which:
7 unique CDR3
3 unique J



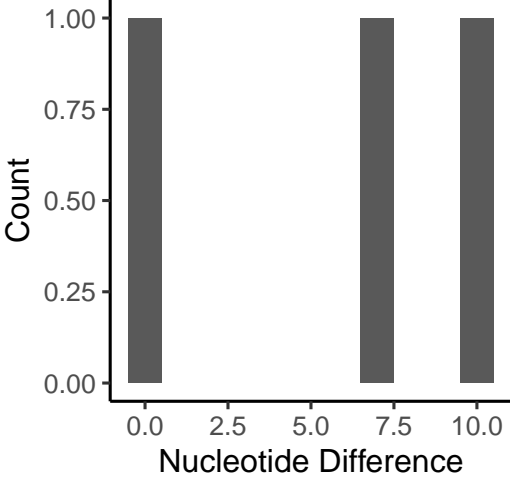
IGHV3-66*03

1 sequences assigned
No exact matches.



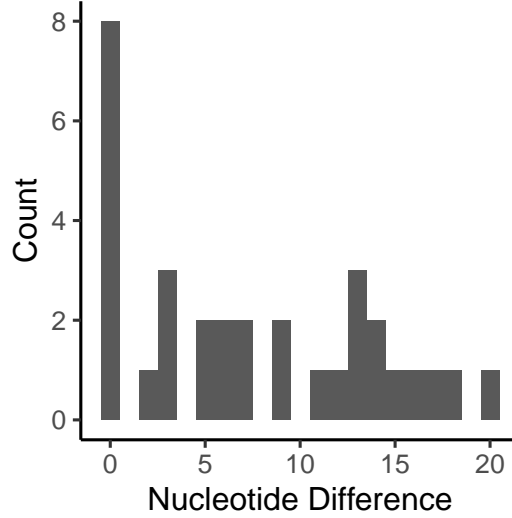
IGHV3-69-1*01

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



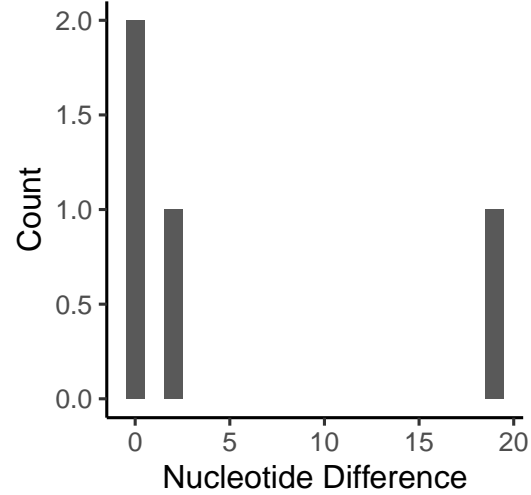
IGHV3-73*02

34 sequences assigned
8 (23.5%) exact matches, in which:
8 unique CDR3
3 unique J



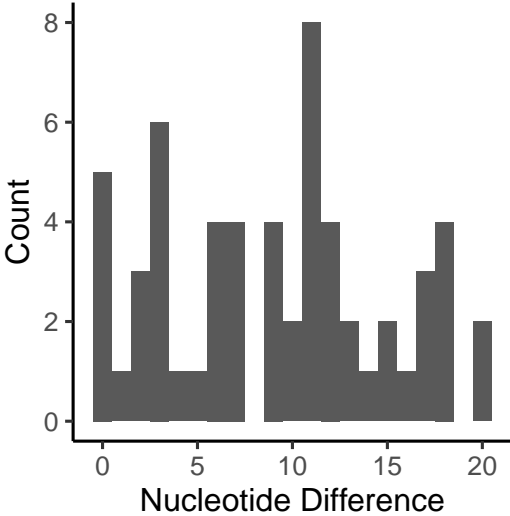
IGHV4-28*01

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



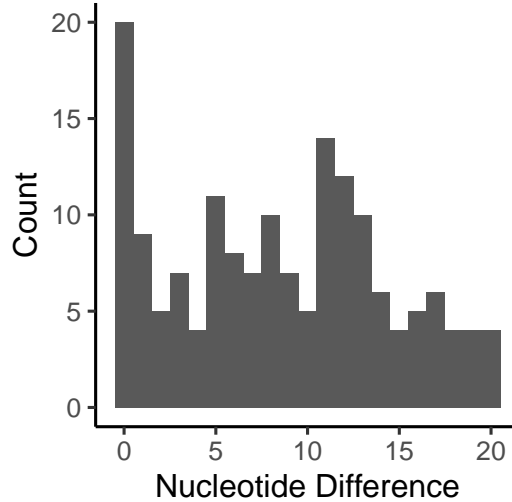
IGHV3-72*01

69 sequences assigned
5 (7.2%) exact matches, in which:
5 unique CDR3
2 unique J



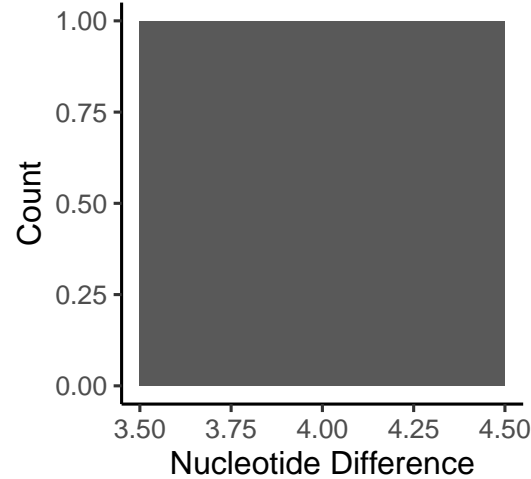
IGHV3-74*01

177 sequences assigned
20 (11.3%) exact matches, in which:
20 unique CDR3
4 unique J



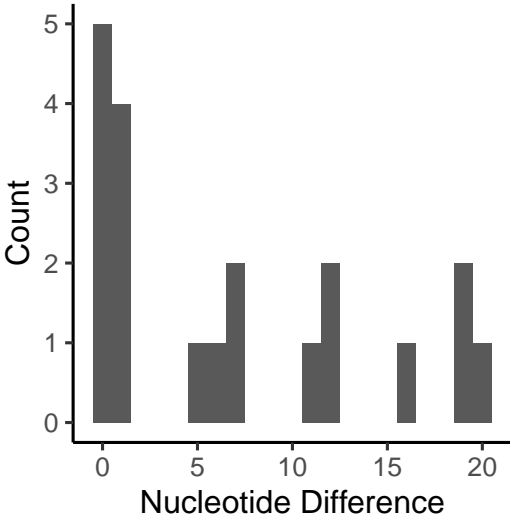
IGHV4-28*03

2 sequences assigned
No exact matches.



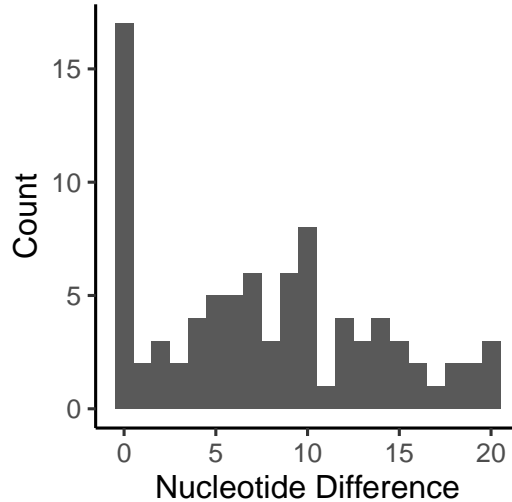
IGHV3-73*01

22 sequences assigned
5 (22.7%) exact matches, in which:
5 unique CDR3
4 unique J



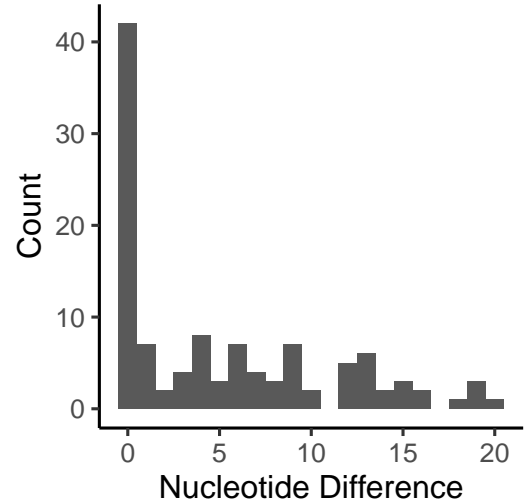
IGHV4-4*07

96 sequences assigned
17 (17.7%) exact matches, in which:
17 unique CDR3
5 unique J



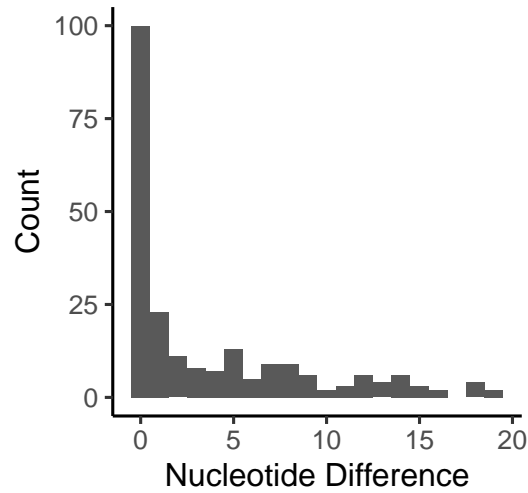
IGHV4-31*03

125 sequences assigned
42 (33.6%) exact matches, in which:
42 unique CDR3
5 unique J



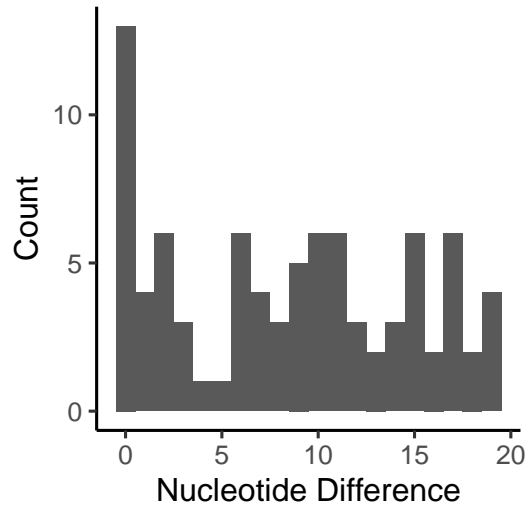
IGHV4–34*01

242 sequences assigned
100 (41.3%) exact matches, in which:
100 unique CDR3
6 unique J



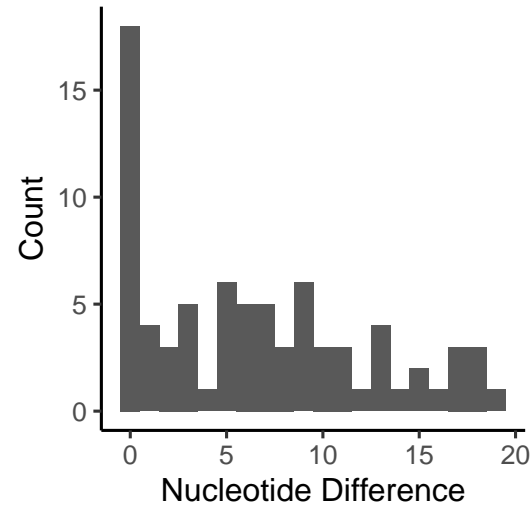
IGHV4–59*08

95 sequences assigned
13 (13.7%) exact matches, in which:
13 unique CDR3
5 unique J



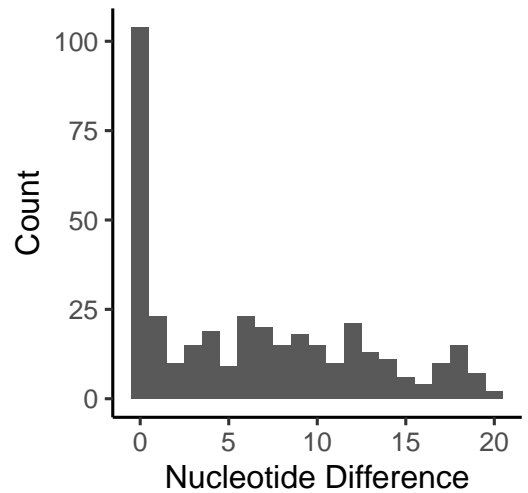
IGHV5–51*03

84 sequences assigned
18 (21.4%) exact matches, in which:
18 unique CDR3
4 unique J



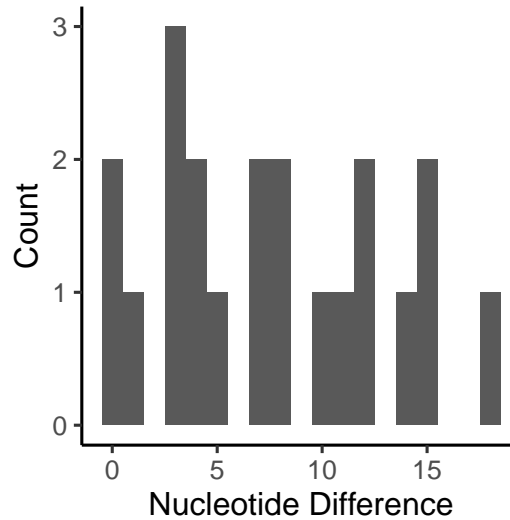
IGHV4–39*01

423 sequences assigned
104 (24.6%) exact matches, in which:
104 unique CDR3
6 unique J



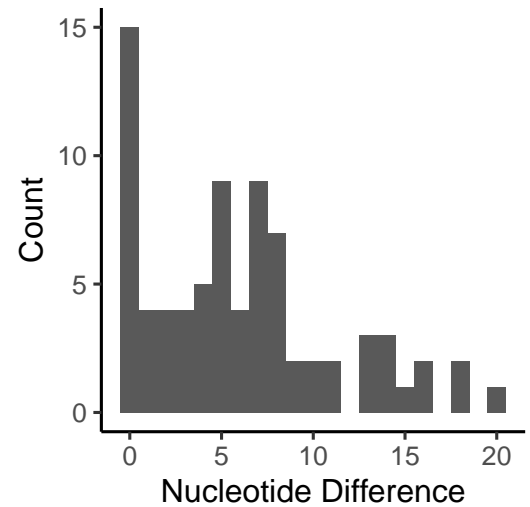
IGHV4–61*01

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



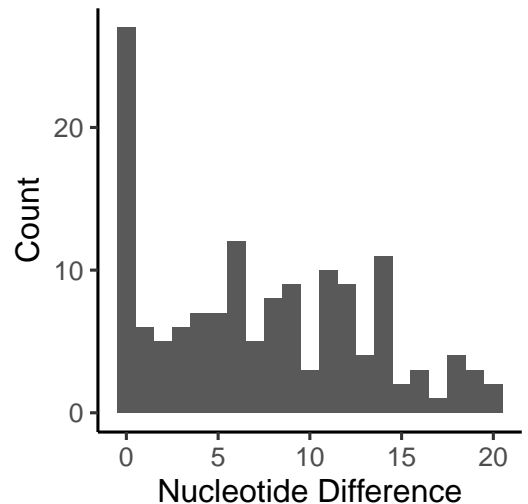
IGHV6–1*01

83 sequences assigned
15 (18.1%) exact matches, in which:
15 unique CDR3
4 unique J



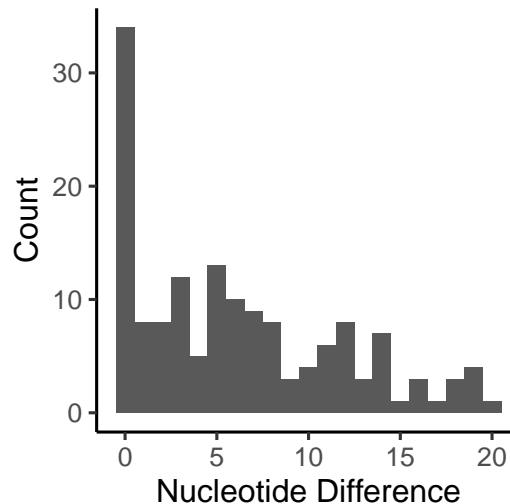
IGHV4–59*01

162 sequences assigned
27 (16.7%) exact matches, in which:
27 unique CDR3
5 unique J



IGHV5–51*01

158 sequences assigned
34 (21.5%) exact matches, in which:
34 unique CDR3
6 unique J





Warning – no inferred sequences found.