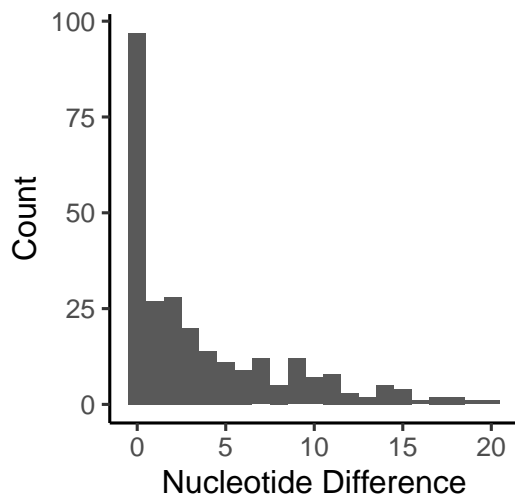


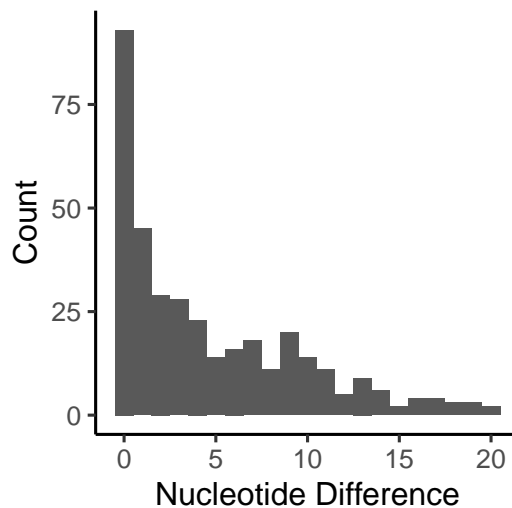
IGHV1-2*02

282 sequences assigned
97 (34.4%) exact matches, in which:
97 unique CDR3
7 unique J



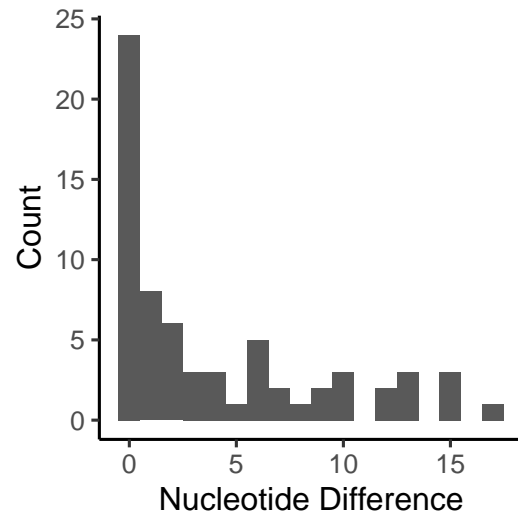
IGHV1-18*01

382 sequences assigned
93 (24.3%) exact matches, in which:
93 unique CDR3
7 unique J



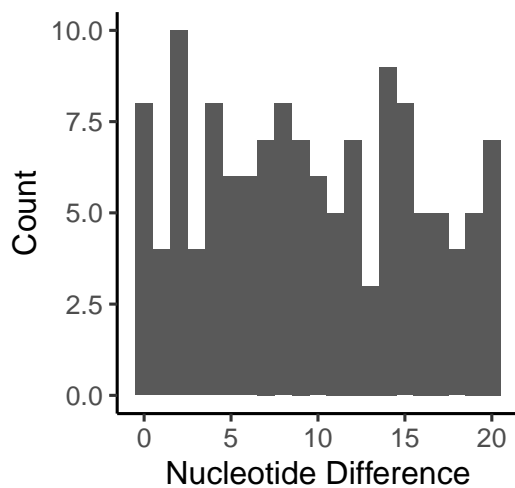
IGHV1-46*01

74 sequences assigned
24 (32.4%) exact matches, in which:
24 unique CDR3
5 unique J



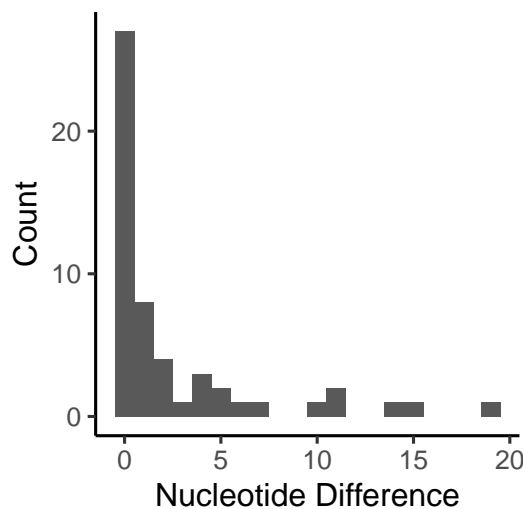
IGHV1-8*01

157 sequences assigned
8 (5.1%) exact matches, in which:
8 unique CDR3
3 unique J



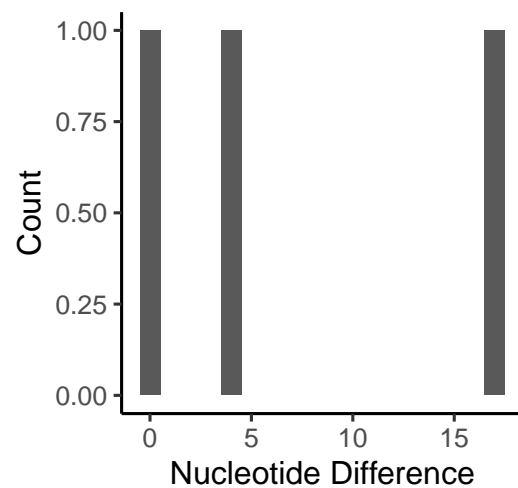
IGHV1-24*01

59 sequences assigned
27 (45.8%) exact matches, in which:
27 unique CDR3
6 unique J



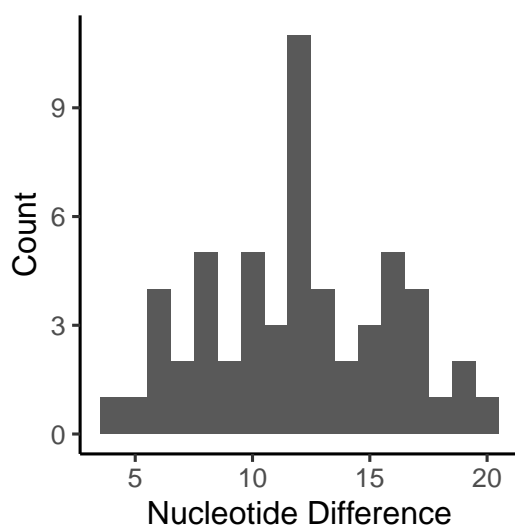
IGHV1-58*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



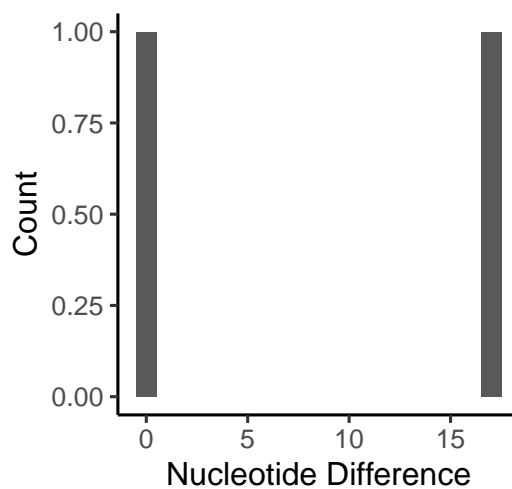
IGHV1-8*02

60 sequences assigned
No exact matches.



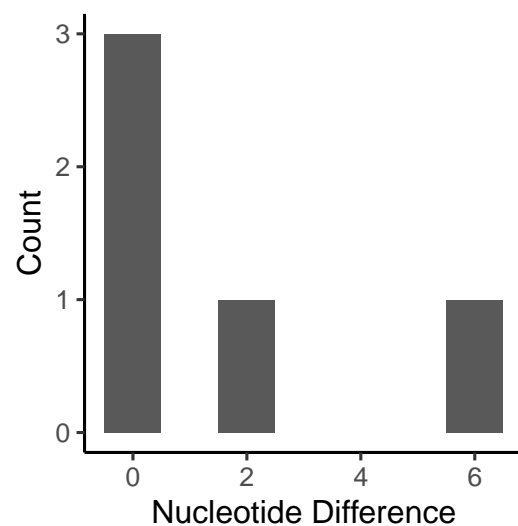
IGHV1-45*02

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



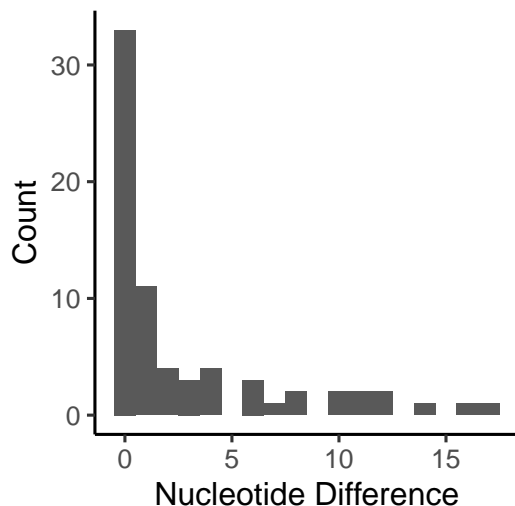
IGHV1-58*02

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



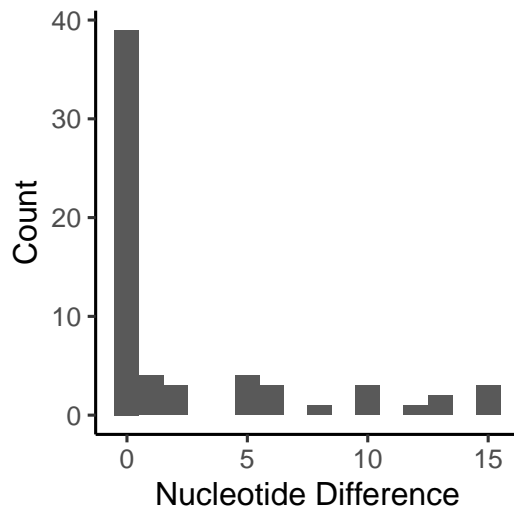
IGHV1-69*04

72 sequences assigned
33 (45.8%) exact matches, in which:
33 unique CDR3
5 unique J



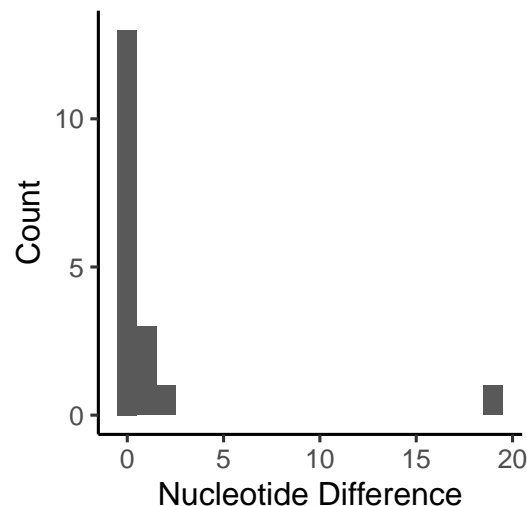
IGHV2-5*01

64 sequences assigned
39 (60.9%) exact matches, in which:
39 unique CDR3
6 unique J



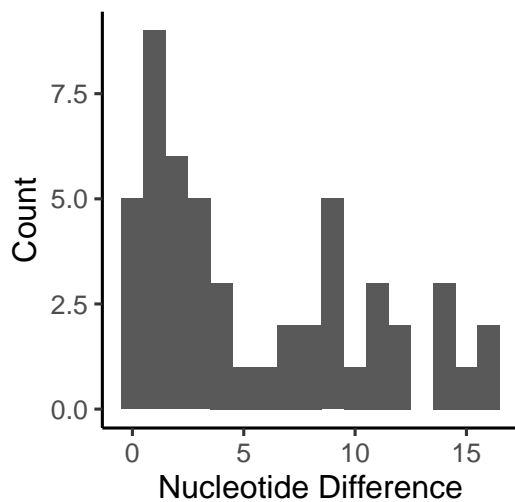
IGHV2-70*01

18 sequences assigned
13 (72.2%) exact matches, in which:
13 unique CDR3
4 unique J



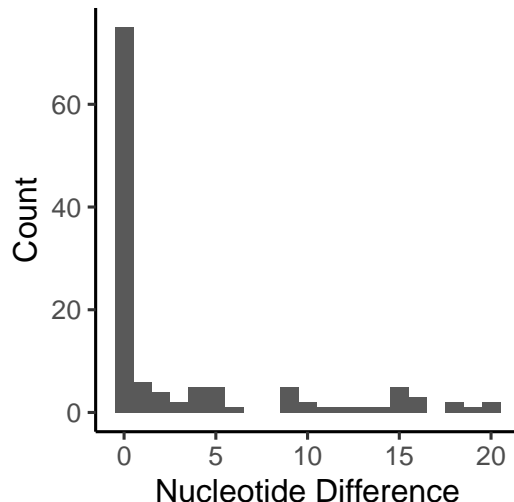
IGHV1-69*06

54 sequences assigned
5 (9.3%) exact matches, in which:
5 unique CDR3
4 unique J



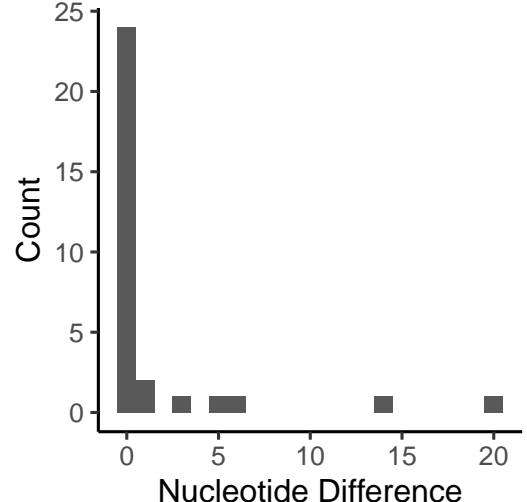
IGHV2-5*02

132 sequences assigned
75 (56.8%) exact matches, in which:
75 unique CDR3
6 unique J



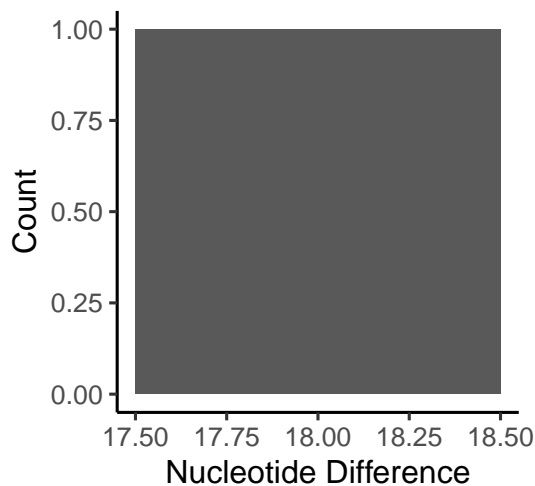
IGHV2-70*15

31 sequences assigned
24 (77.4%) exact matches, in which:
24 unique CDR3
4 unique J



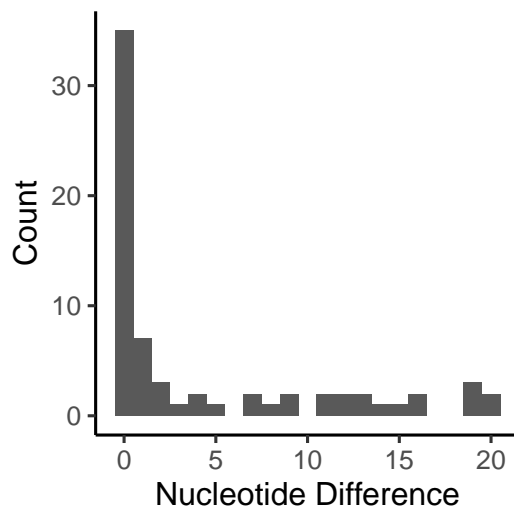
IGHV1-NL1*01

1 sequences assigned
No exact matches.



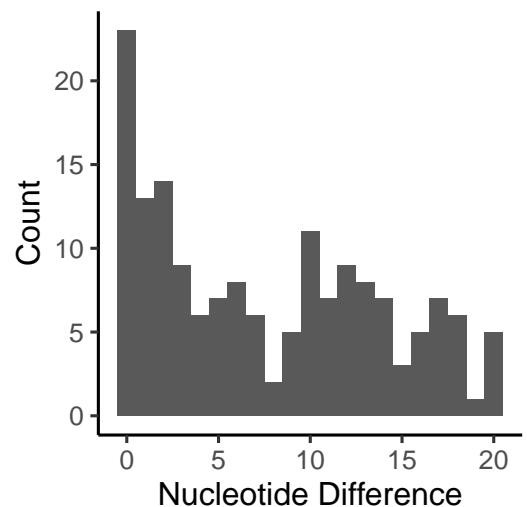
IGHV2-26*01

77 sequences assigned
35 (45.5%) exact matches, in which:
34 unique CDR3
6 unique J



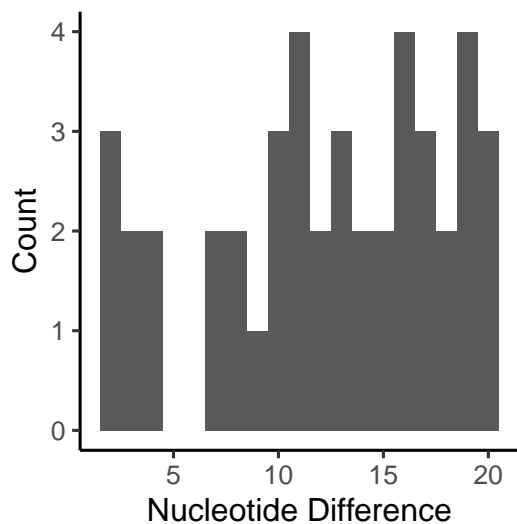
IGHV3-7*01

175 sequences assigned
23 (13.1%) exact matches, in which:
23 unique CDR3
4 unique J



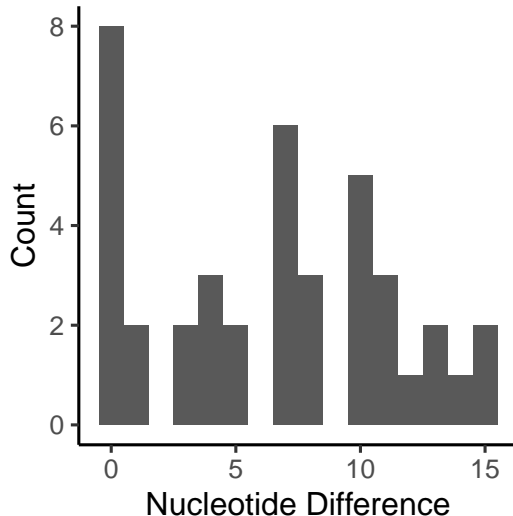
IGHV3-7*03

77 sequences assigned
No exact matches.



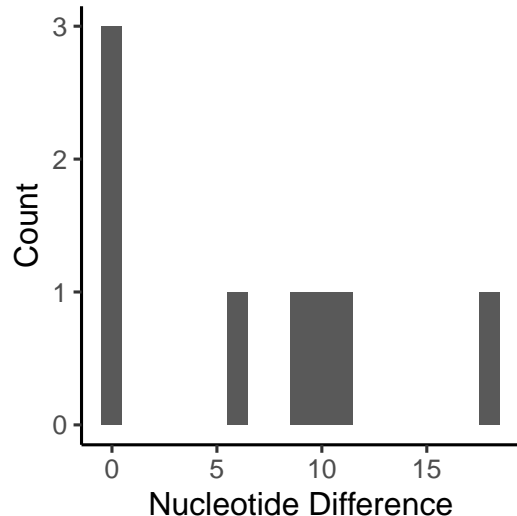
IGHV3-11*01

41 sequences assigned
8 (19.5%) exact matches, in which:
8 unique CDR3
4 unique J



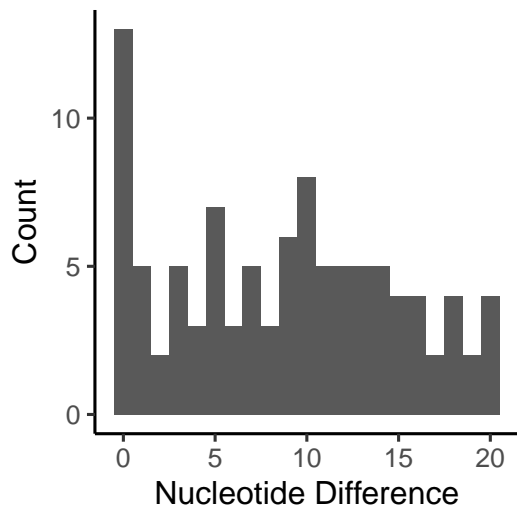
IGHV3-11*06

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



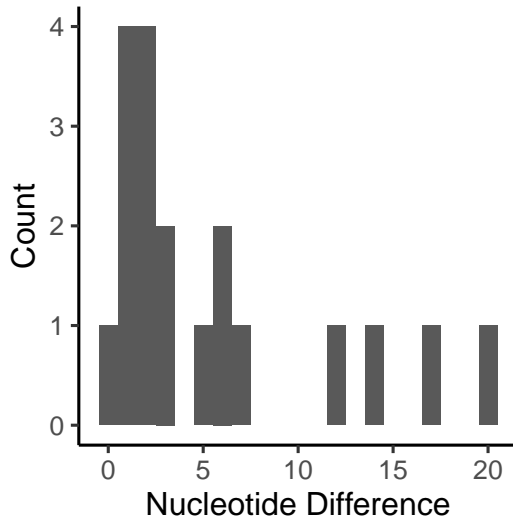
IGHV3-7*04

116 sequences assigned
13 (11.2%) exact matches, in which:
13 unique CDR3
3 unique J



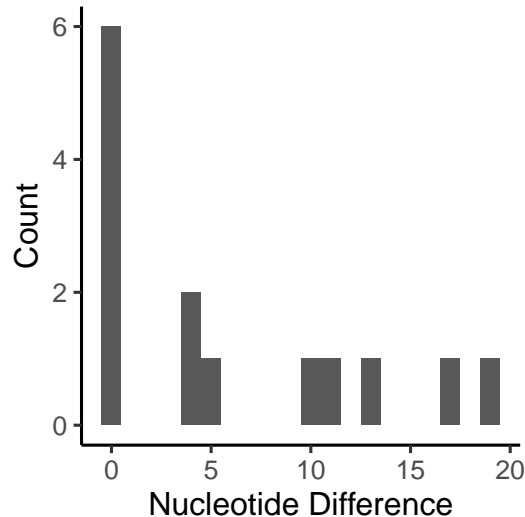
IGHV3-11*04

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



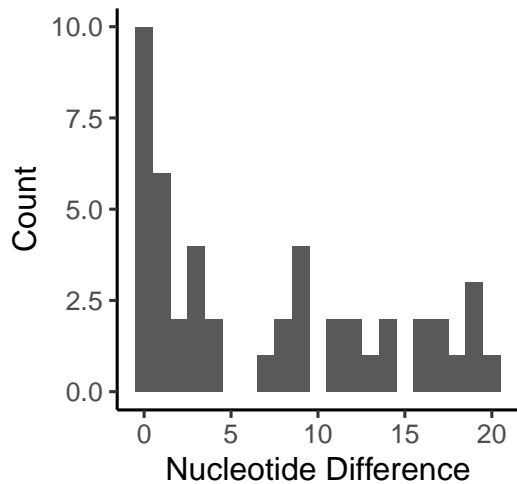
IGHV3-13*01

14 sequences assigned
6 (42.9%) exact matches, in which:
6 unique CDR3
3 unique J



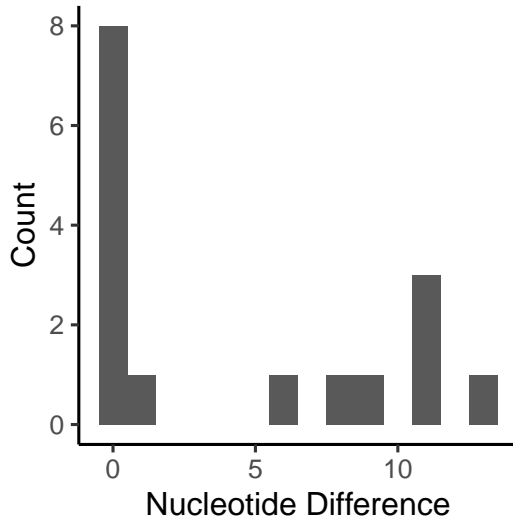
IGHV3-9*01

47 sequences assigned
10 (21.3%) exact matches, in which:
9 unique CDR3
3 unique J



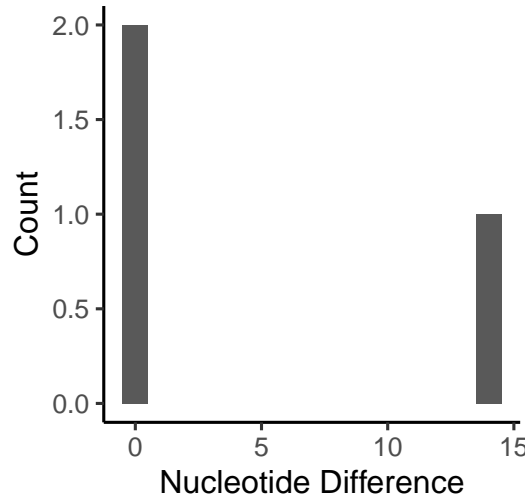
IGHV3-11*05

17 sequences assigned
8 (47.1%) exact matches, in which:
8 unique CDR3
3 unique J



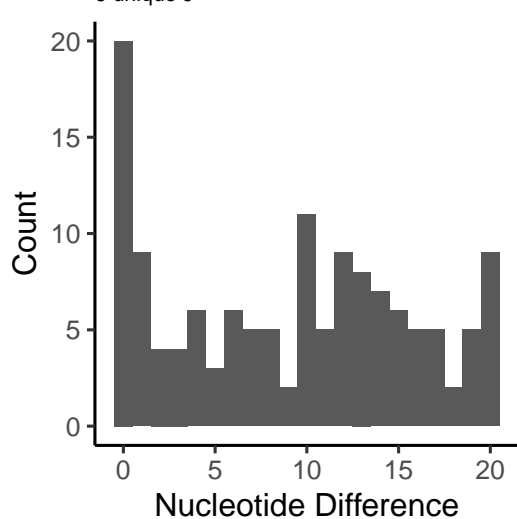
IGHV3-13*04

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



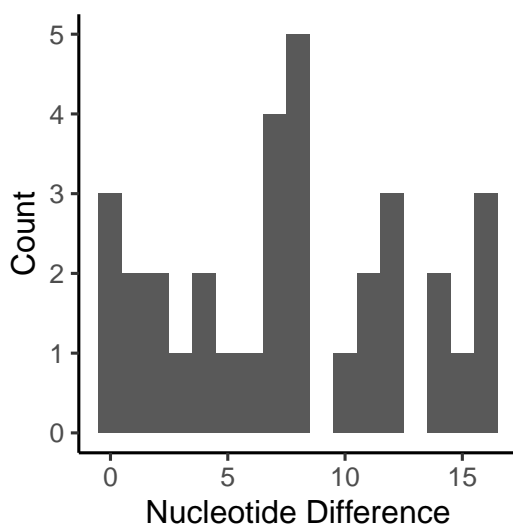
IGHV3-15*01

163 sequences assigned
20 (12.3%) exact matches, in which:
20 unique CDR3
6 unique J



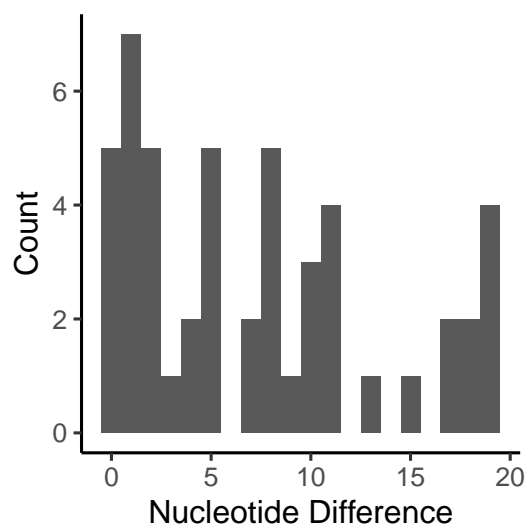
IGHV3-21*04

40 sequences assigned
3 (7.5%) exact matches, in which:
3 unique CDR3
2 unique J



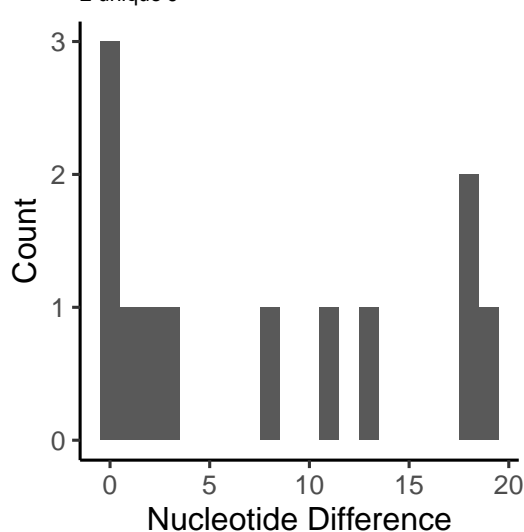
IGHV3-30*03

53 sequences assigned
5 (9.4%) exact matches, in which:
5 unique CDR3
2 unique J



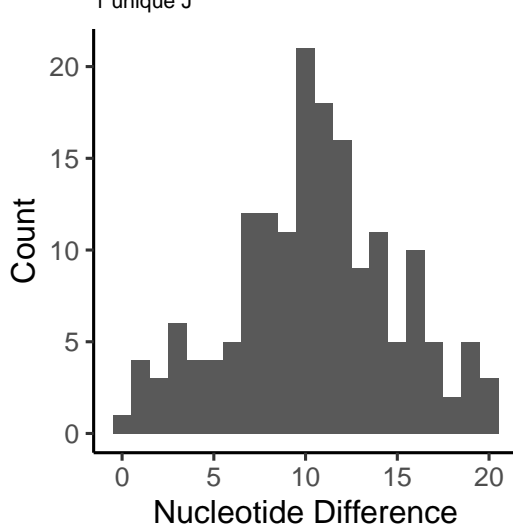
IGHV3-20*04

15 sequences assigned
3 (20%) exact matches, in which:
3 unique CDR3
2 unique J



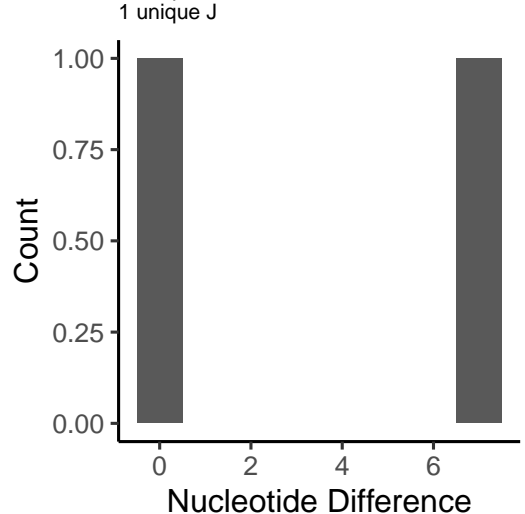
IGHV3-23*04

178 sequences assigned
1 (0.6%) exact matches, in which:
1 unique CDR3
1 unique J



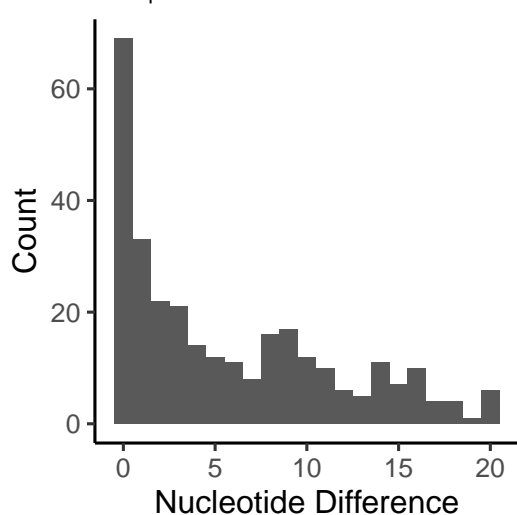
IGHV3-30-3*03

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



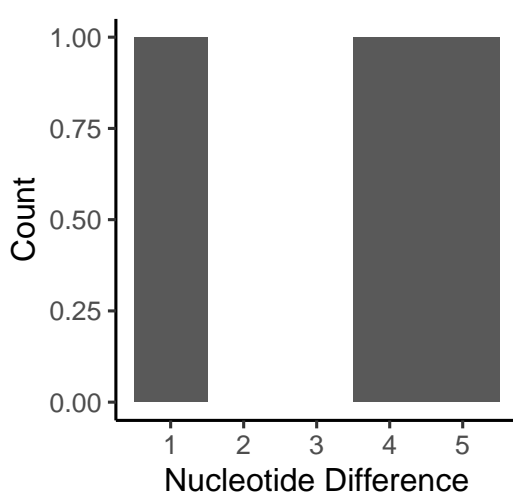
IGHV3-21*01

334 sequences assigned
69 (20.7%) exact matches, in which:
68 unique CDR3
6 unique J



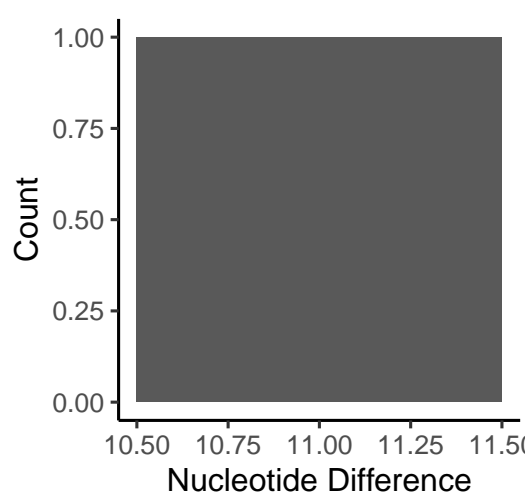
IGHV3-30-3*02

3 sequences assigned
No exact matches.



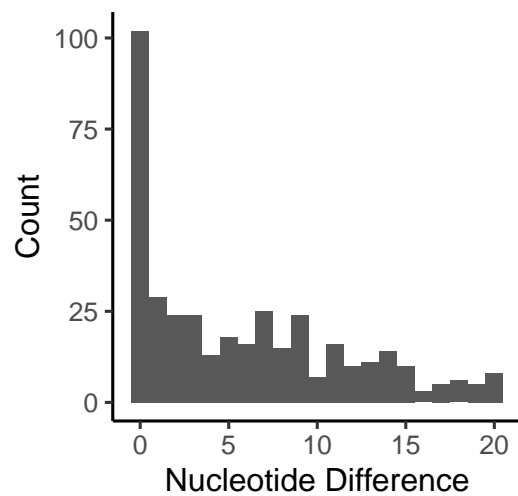
IGHV3-30*12

1 sequences assigned
No exact matches.



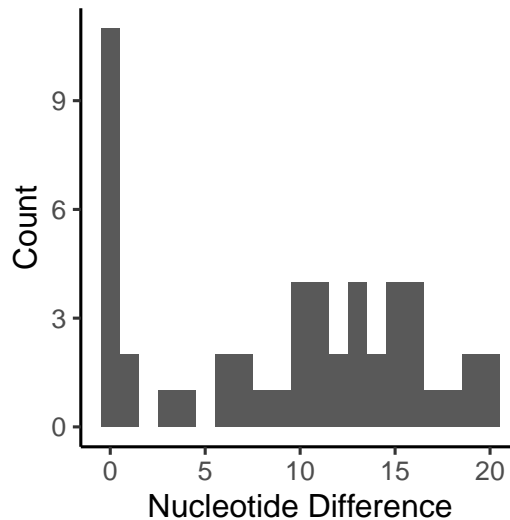
IGHV3–33*01

395 sequences assigned
102 (25.8%) exact matches, in which:
102 unique CDR3
6 unique J



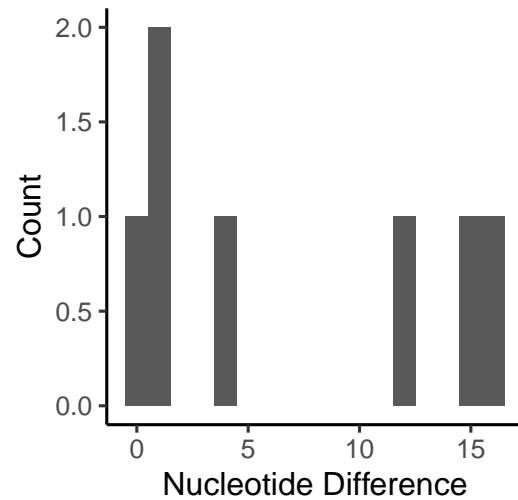
IGHV3–48*02

56 sequences assigned
11 (19.6%) exact matches, in which:
11 unique CDR3
4 unique J



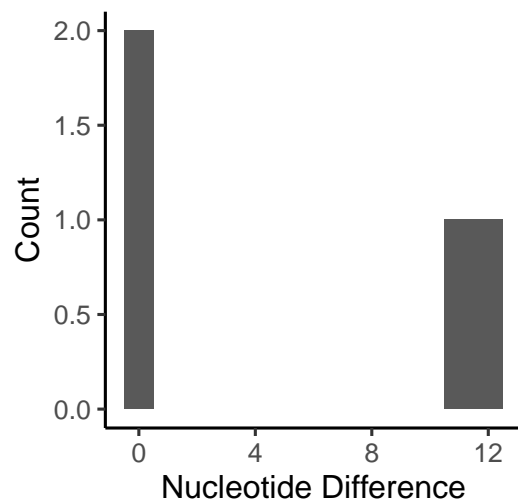
IGHV3–49*05

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



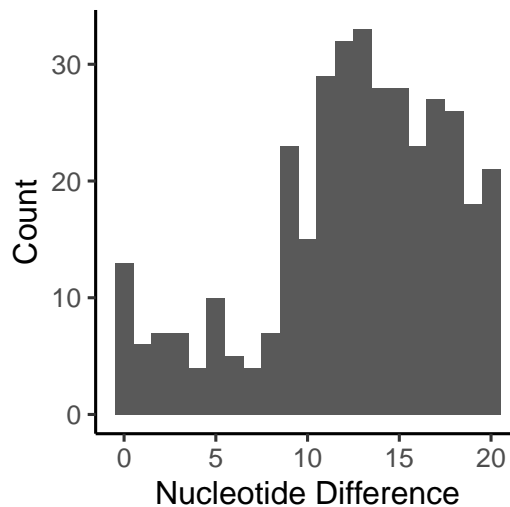
IGHV3–43*01

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



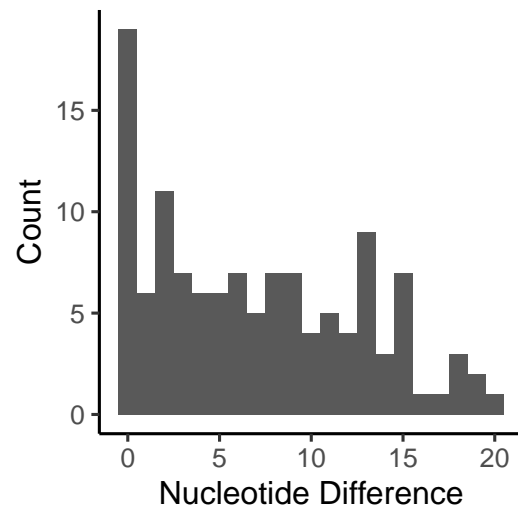
IGHV3–48*04

514 sequences assigned
13 (2.5%) exact matches, in which:
13 unique CDR3
5 unique J



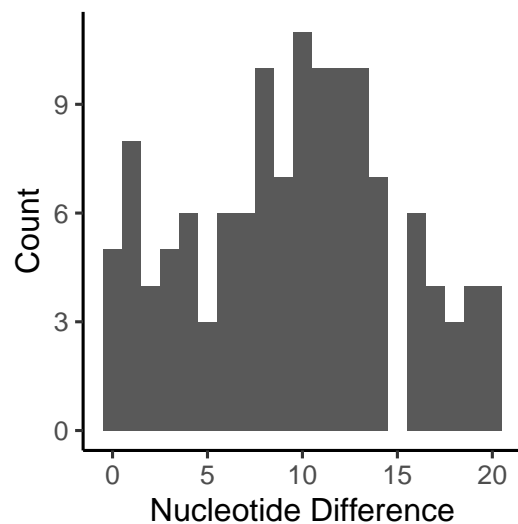
IGHV3–53*01

129 sequences assigned
19 (14.7%) exact matches, in which:
18 unique CDR3
6 unique J



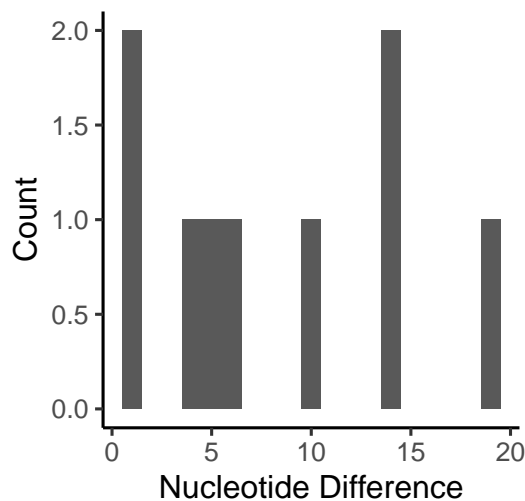
IGHV3–48*01

146 sequences assigned
5 (3.4%) exact matches, in which:
5 unique CDR3
2 unique J



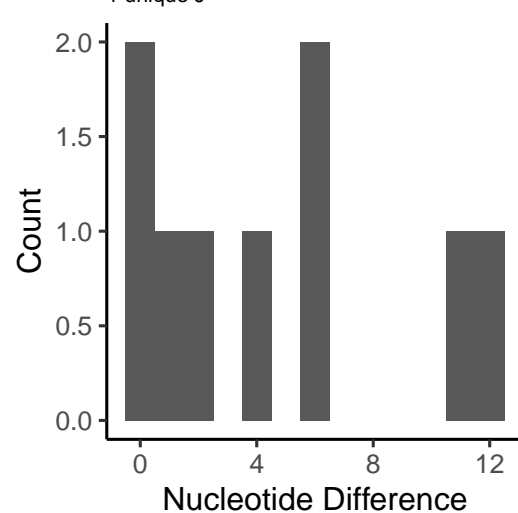
IGHV3–49*03

12 sequences assigned
No exact matches.



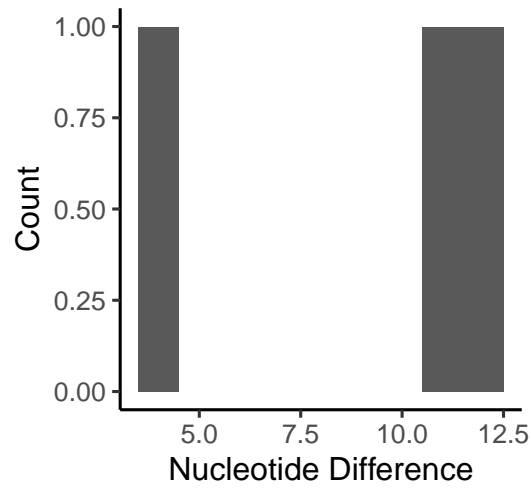
IGHV3–64*01

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



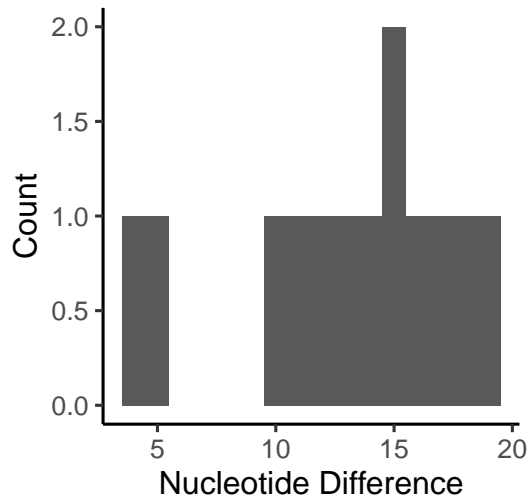
IGHV3-64*04

3 sequences assigned
No exact matches.



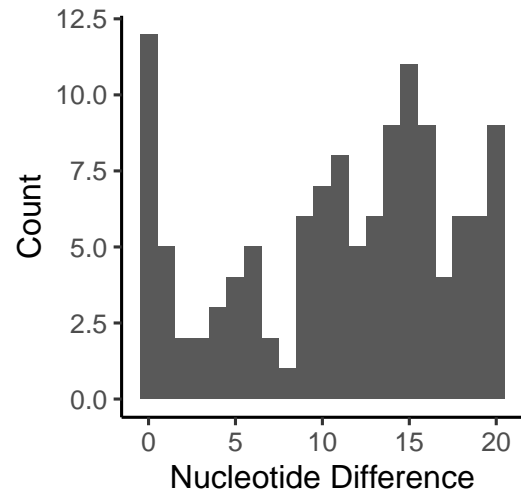
IGHV3-72*01

13 sequences assigned
No exact matches.



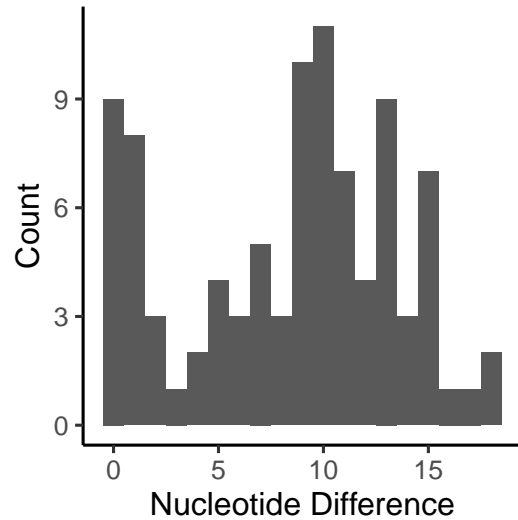
IGHV3-74*01

140 sequences assigned
12 (8.6%) exact matches, in which:
12 unique CDR3
5 unique J



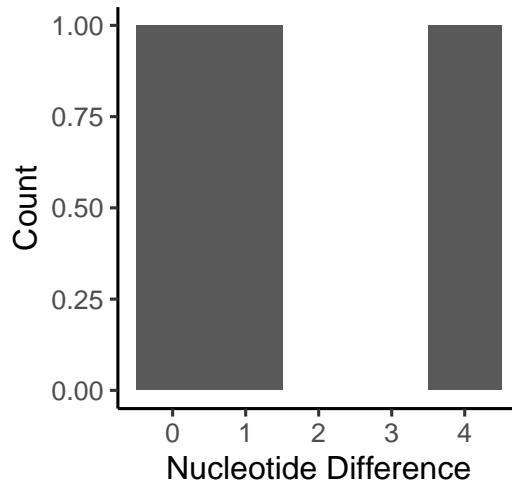
IGHV3-66*01

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



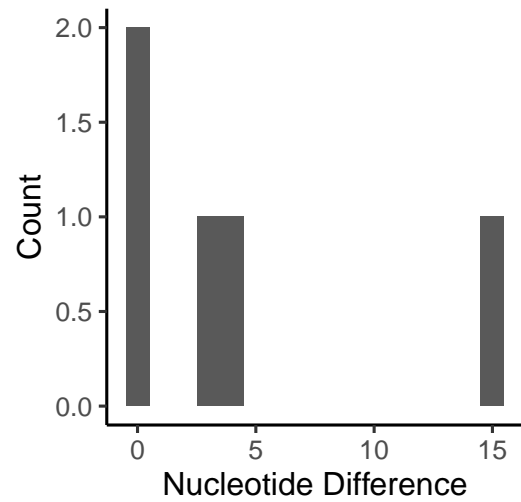
IGHV3-73*01

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



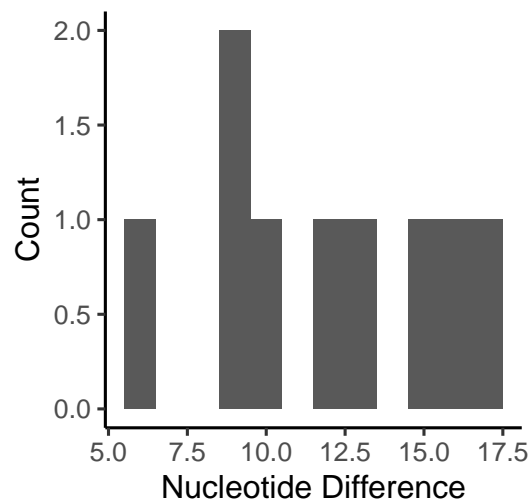
IGHV3-43D*03

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
1 unique J



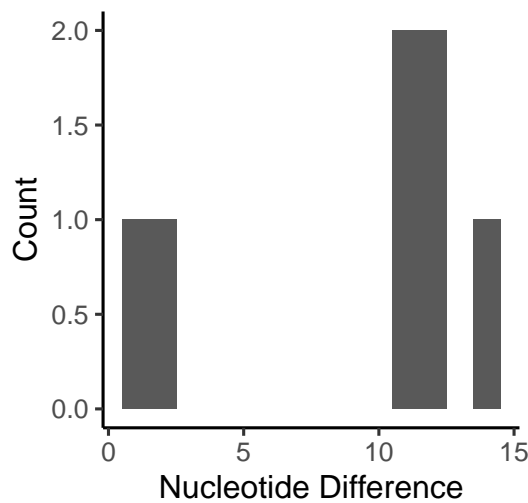
IGHV3-69-1*01

15 sequences assigned
No exact matches.



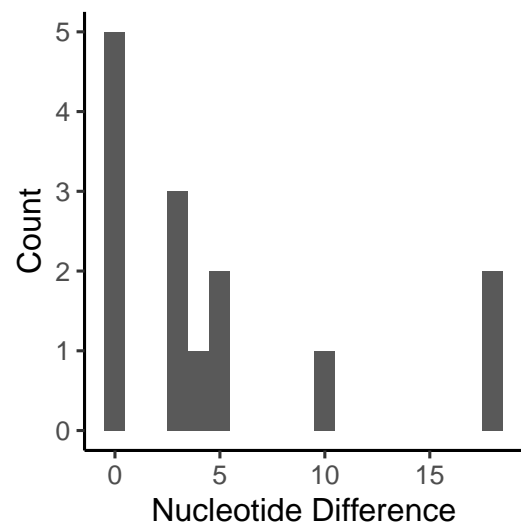
IGHV3-73*02

8 sequences assigned
No exact matches.



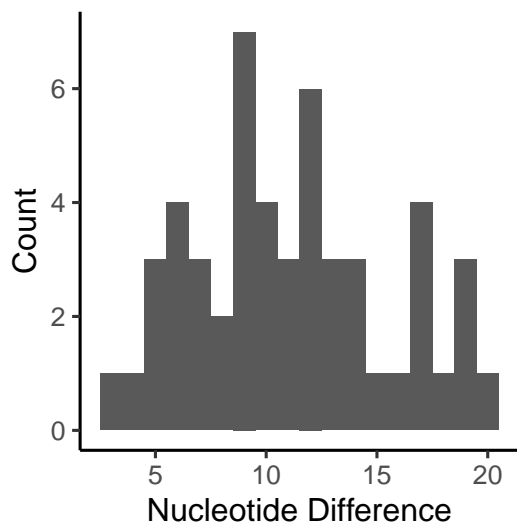
IGHV3-64D*06

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



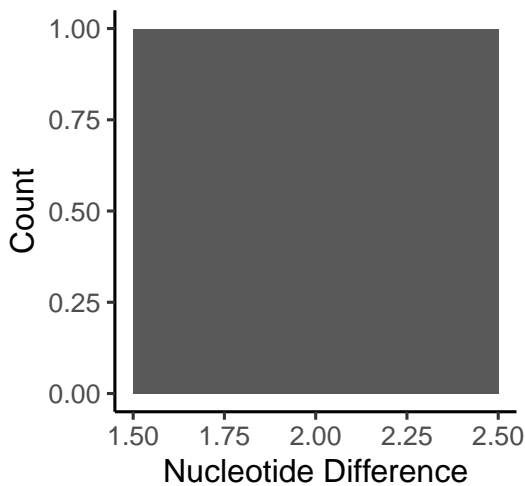
IGHV3–NL1*01

52 sequences assigned
No exact matches.



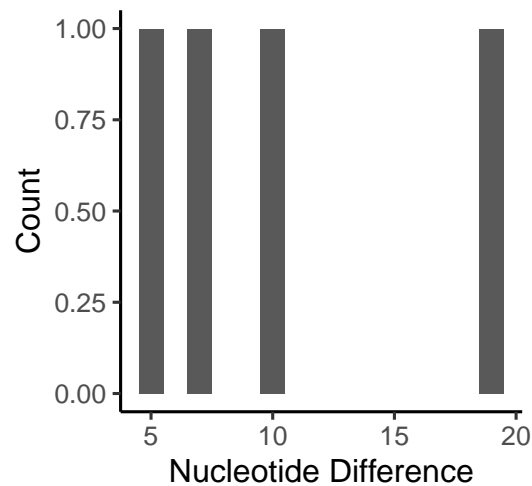
IGHV4–28*03

1 sequences assigned
No exact matches.



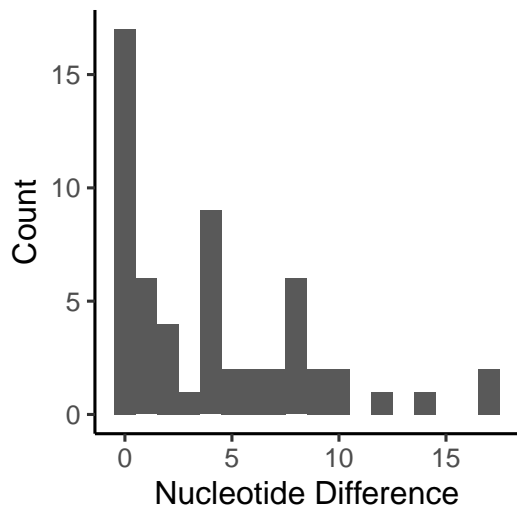
IGHV4–30–4*08

4 sequences assigned
No exact matches.



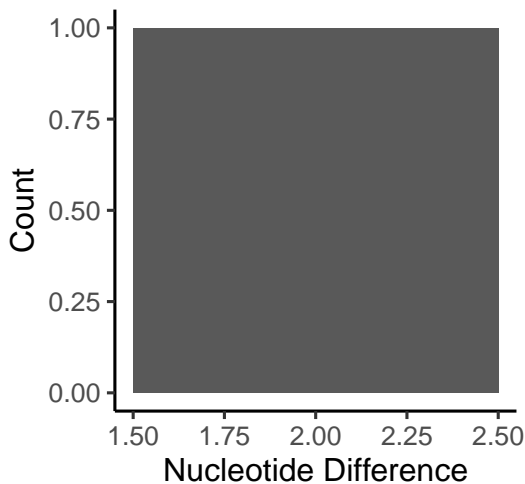
IGHV4–4*02

59 sequences assigned
17 (28.8%) exact matches, in which:
17 unique CDR3
4 unique J



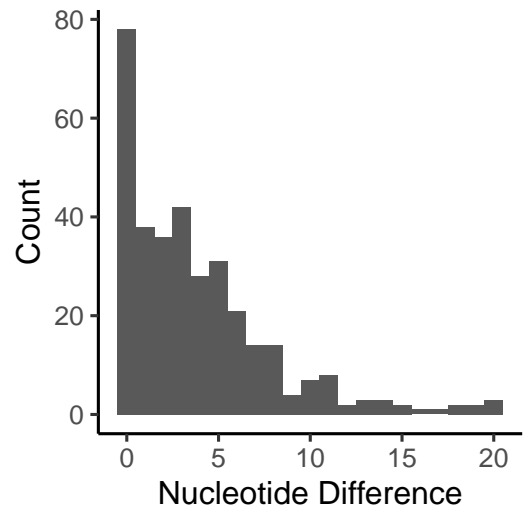
IGHV4–30–2*04

1 sequences assigned
No exact matches.



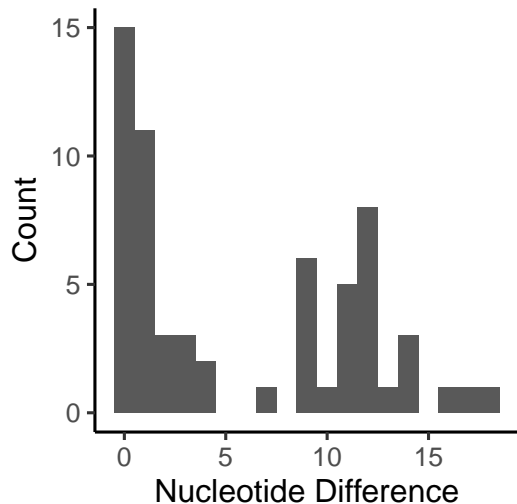
IGHV4–31*03

349 sequences assigned
78 (22.3%) exact matches, in which:
78 unique CDR3
5 unique J



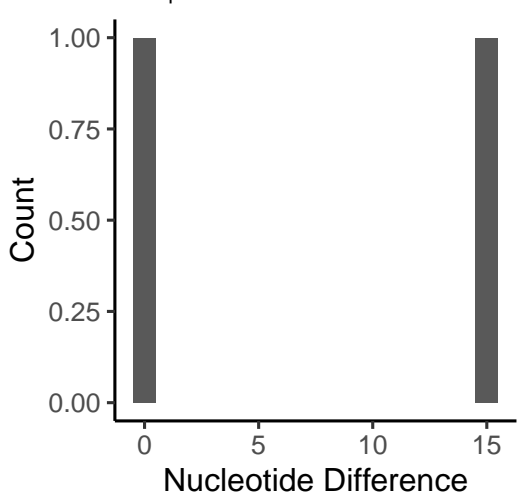
IGHV4–4*07

64 sequences assigned
15 (23.4%) exact matches, in which:
15 unique CDR3
4 unique J



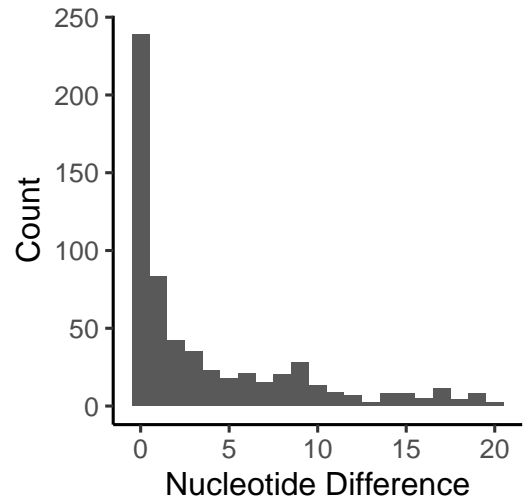
IGHV4–30–4*07

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



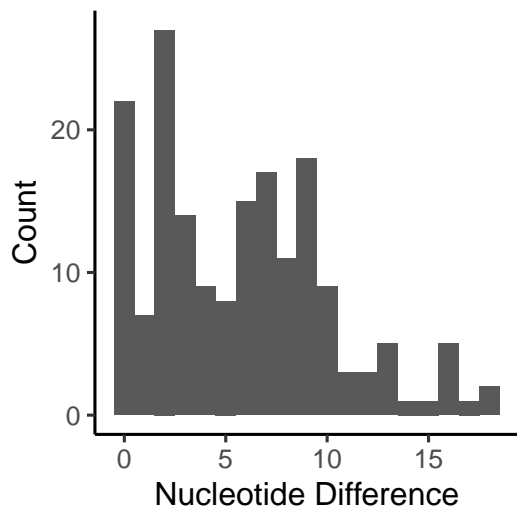
IGHV4–34*01

646 sequences assigned
239 (37%) exact matches, in which:
239 unique CDR3
6 unique J



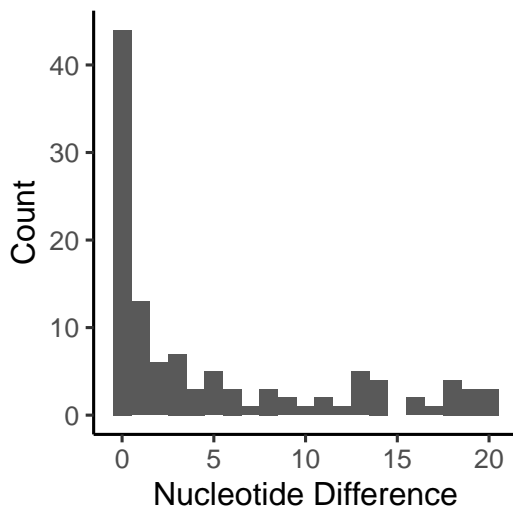
IGHV4-38-2*02

191 sequences assigned
22 (11.5%) exact matches, in which:
22 unique CDR3
5 unique J



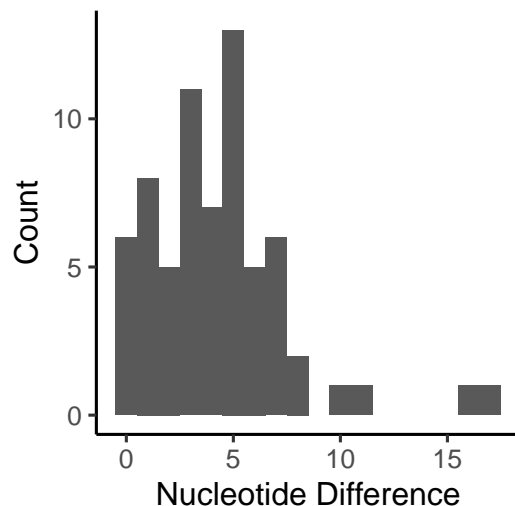
IGHV4-59*01

123 sequences assigned
44 (35.8%) exact matches, in which:
44 unique CDR3
7 unique J



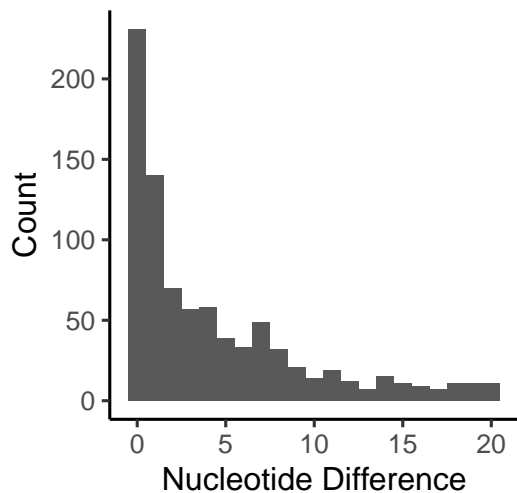
IGHV4-61*01

69 sequences assigned
6 (8.7%) exact matches, in which:
6 unique CDR3
2 unique J



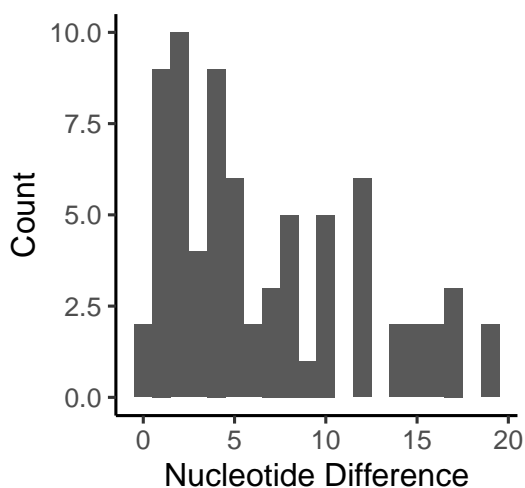
IGHV4-39*01

896 sequences assigned
231 (25.8%) exact matches, in which:
229 unique CDR3
7 unique J



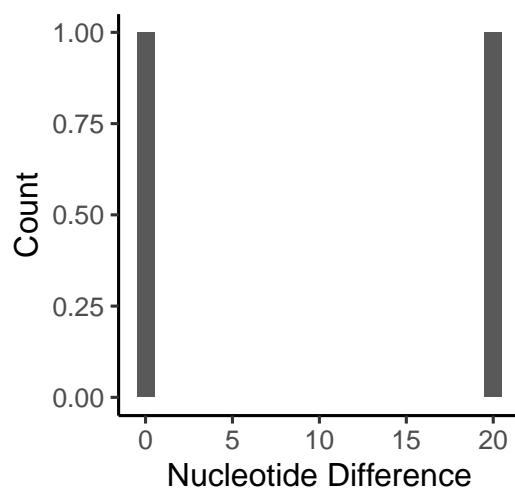
IGHV4-59*08

78 sequences assigned
2 (2.6%) exact matches, in which:
2 unique CDR3
2 unique J



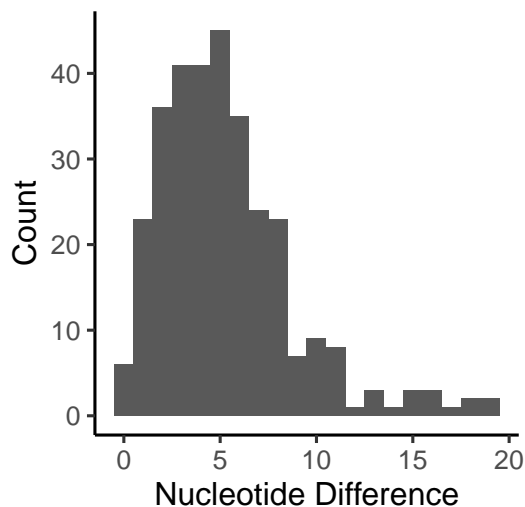
IGHV4-61*07

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



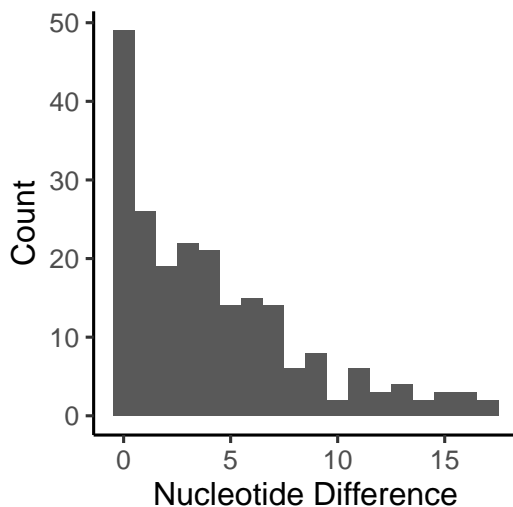
IGHV4-39*07

316 sequences assigned
6 (1.9%) exact matches, in which:
6 unique CDR3
1 unique J



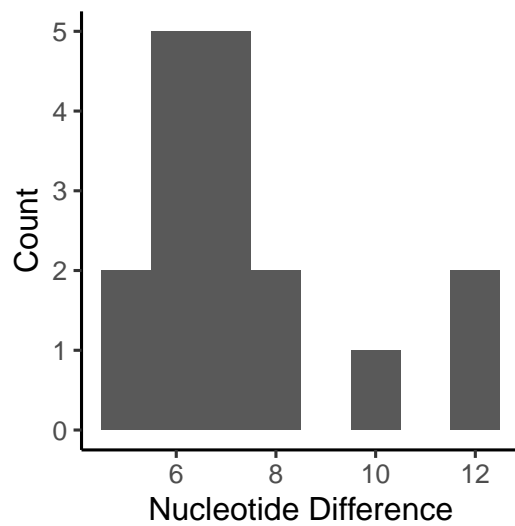
IGHV4-59*12

226 sequences assigned
49 (21.7%) exact matches, in which:
49 unique CDR3
6 unique J



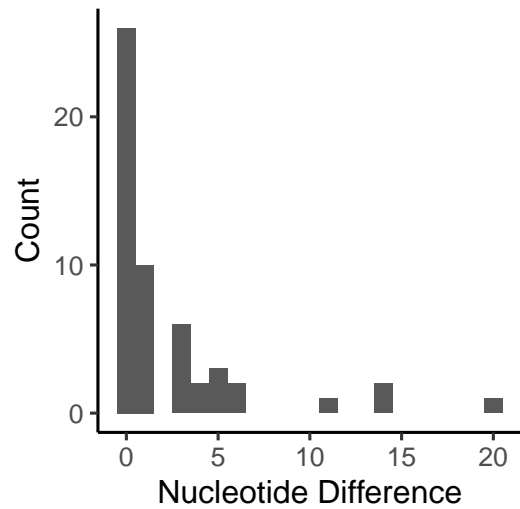
IGHV4-61*08

19 sequences assigned
No exact matches.



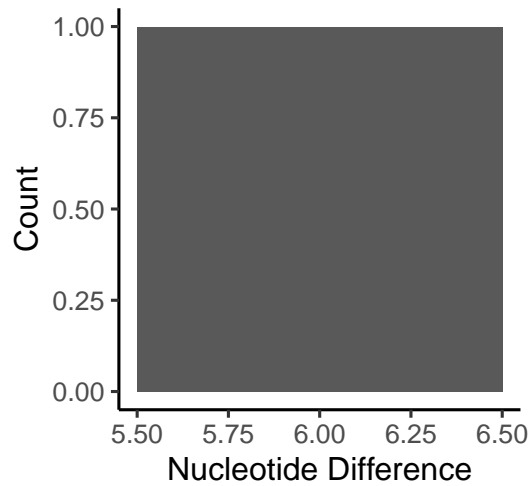
IGHV5-10-1*01

54 sequences assigned
26 (48.1%) exact matches, in which:
26 unique CDR3
7 unique J



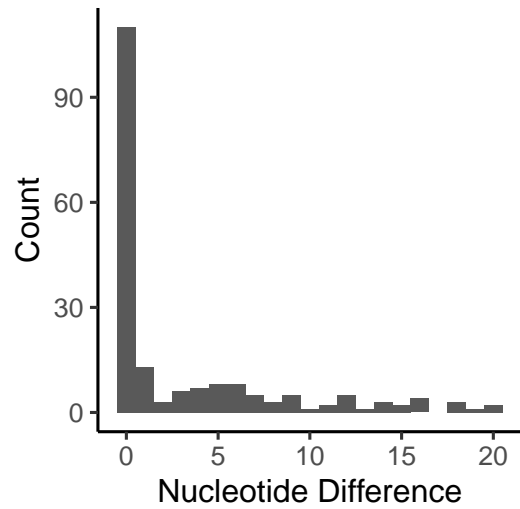
IGHV7-40*03

1 sequences assigned
No exact matches.



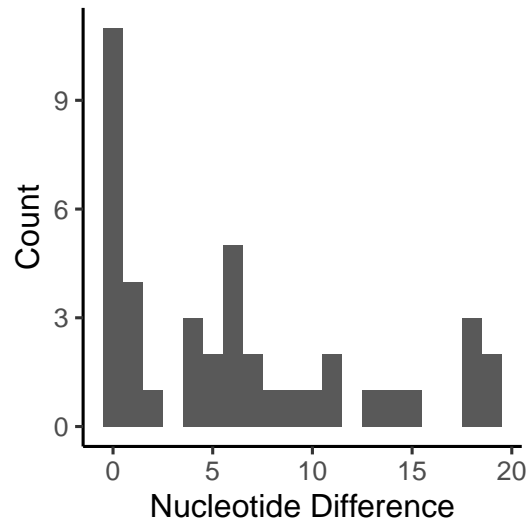
IGHV5-51*01

194 sequences assigned
110 (56.7%) exact matches, in which:
107 unique CDR3
7 unique J

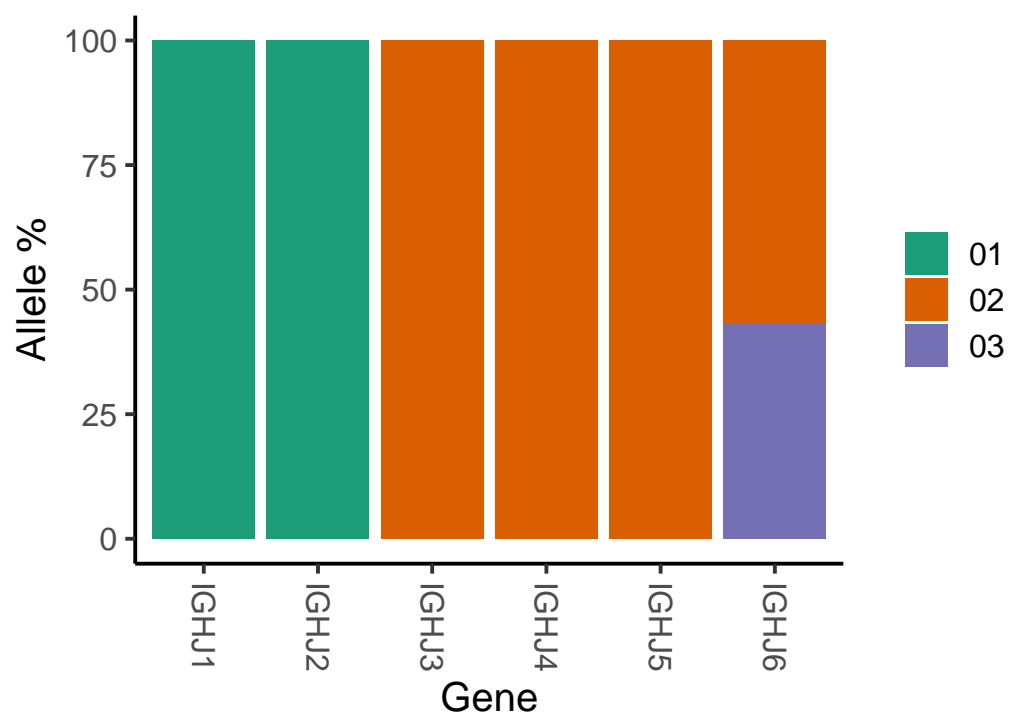


IGHV6-1*01

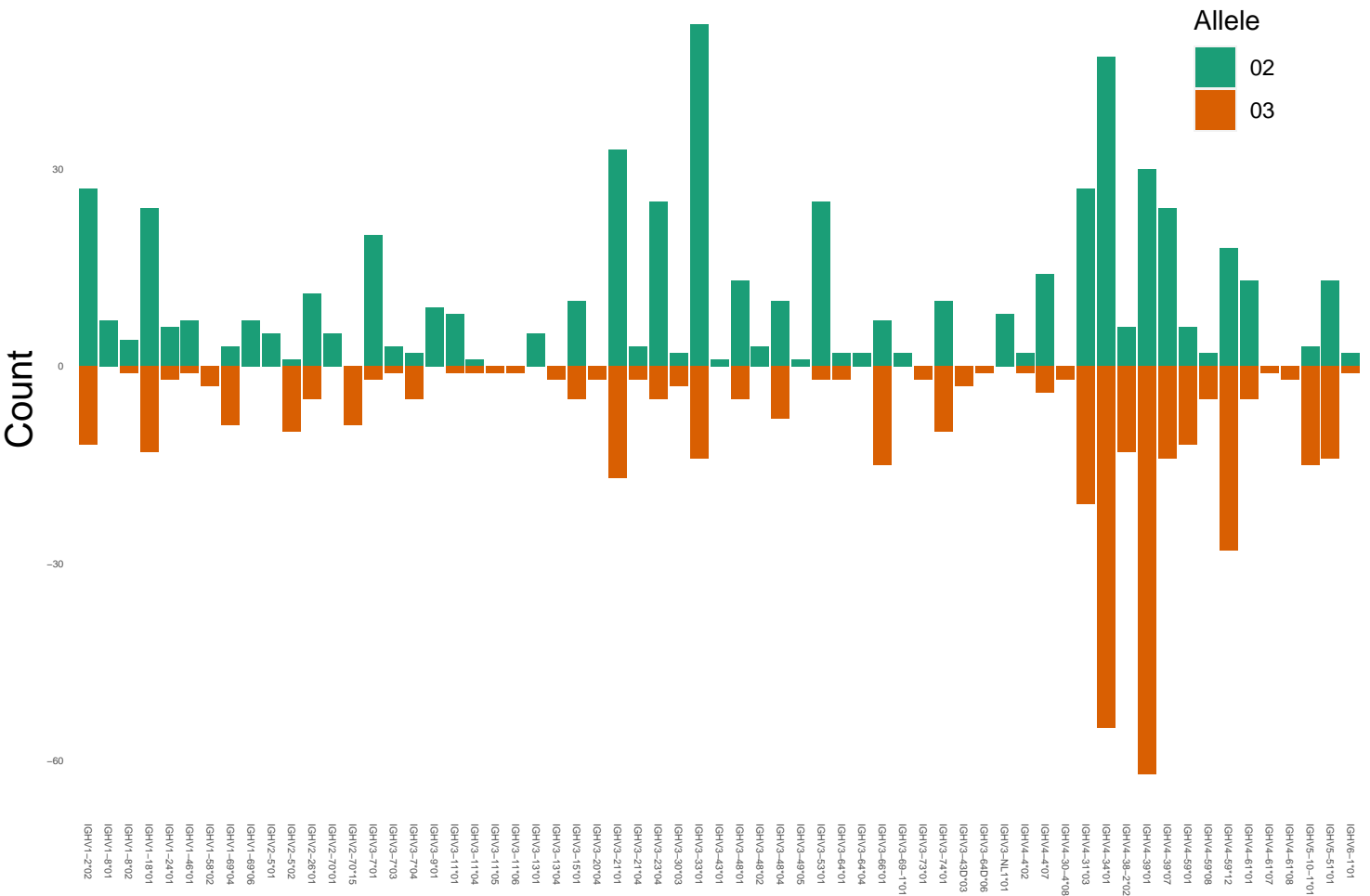
43 sequences assigned
11 (25.6%) exact matches, in which:
11 unique CDR3
5 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.