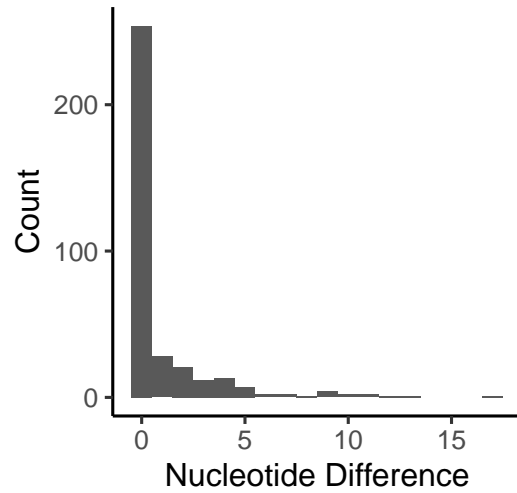


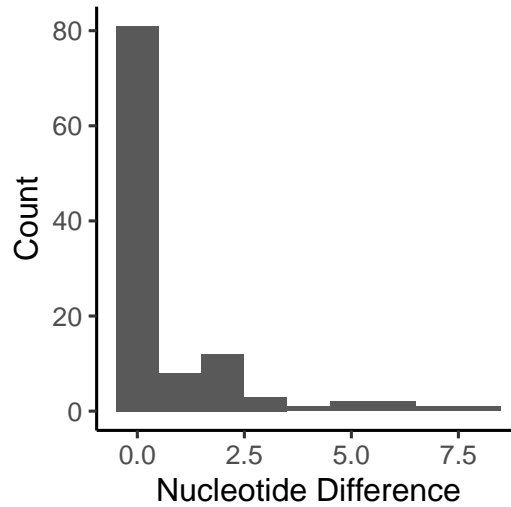
IGKV1-5*03

352 sequences assigned
254 (72.2%) exact matches, in which:
232 unique CDR3
5 unique J



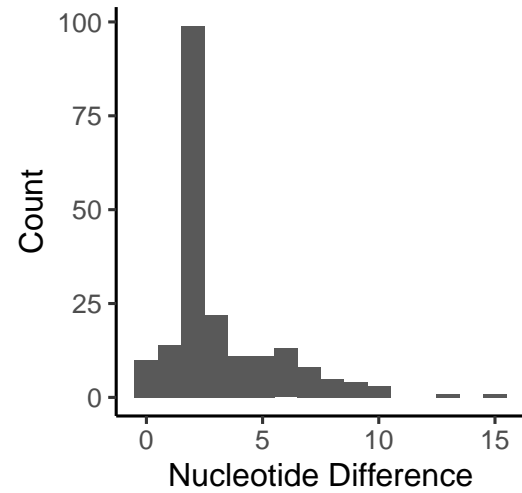
IGKV1-8*01

111 sequences assigned
81 (73%) exact matches, in which:
74 unique CDR3
5 unique J



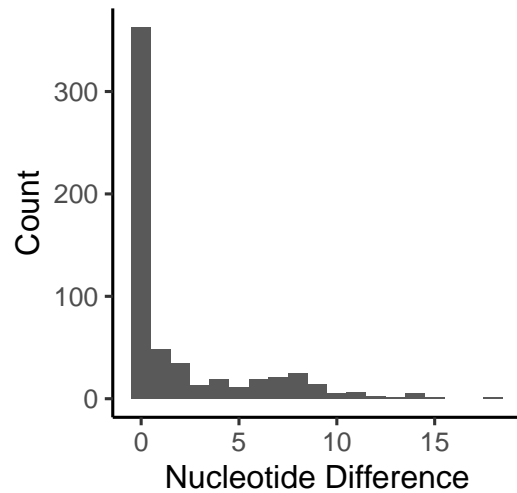
IGKV1-9*01_A270C

203 sequences assigned
10 (4.9%) exact matches, in which:
10 unique CDR3
2 unique J



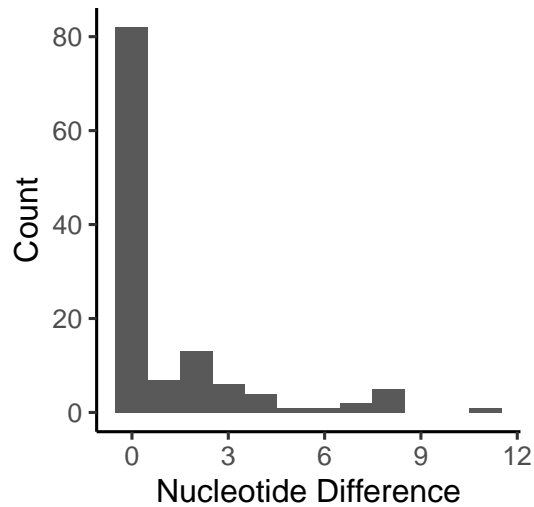
IGKV1-5*03_G171A

589 sequences assigned
363 (61.6%) exact matches, in which:
328 unique CDR3
5 unique J



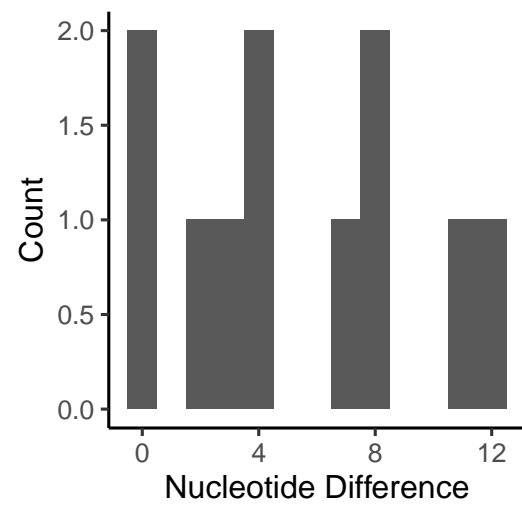
IGKV1-8*01_G12A_T31C

122 sequences assigned
82 (67.2%) exact matches, in which:
71 unique CDR3
5 unique J



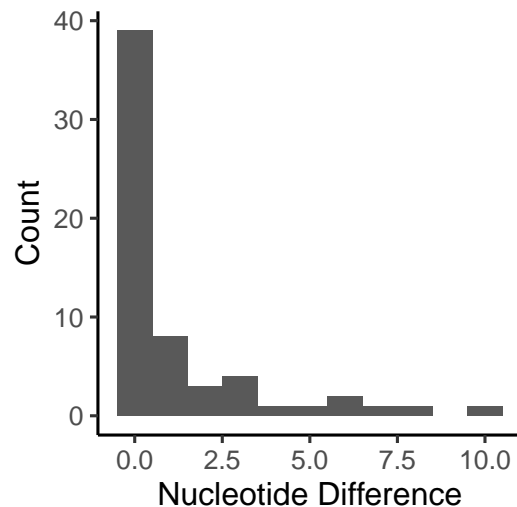
IGKV1-16*01

11 sequences assigned
2 (18.2%) exact matches, in which:
2 unique CDR3
1 unique J



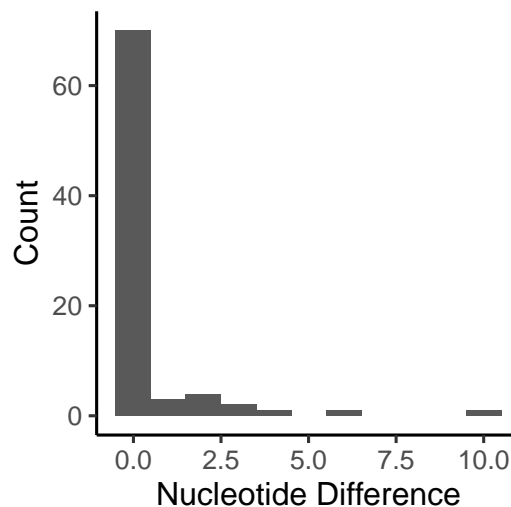
IGKV1-6*01

61 sequences assigned
39 (63.9%) exact matches, in which:
37 unique CDR3
4 unique J



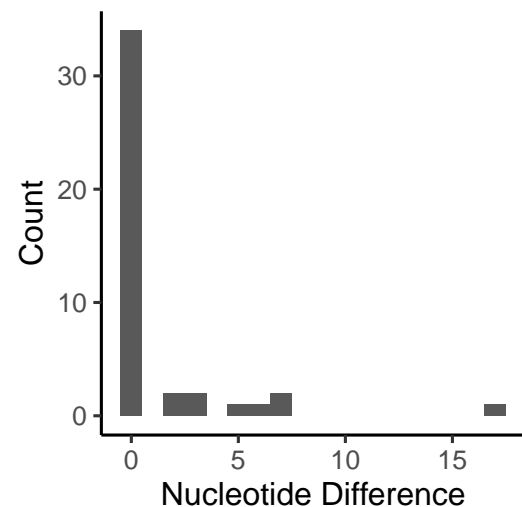
IGKV1-9*01

82 sequences assigned
70 (85.4%) exact matches, in which:
66 unique CDR3
5 unique J



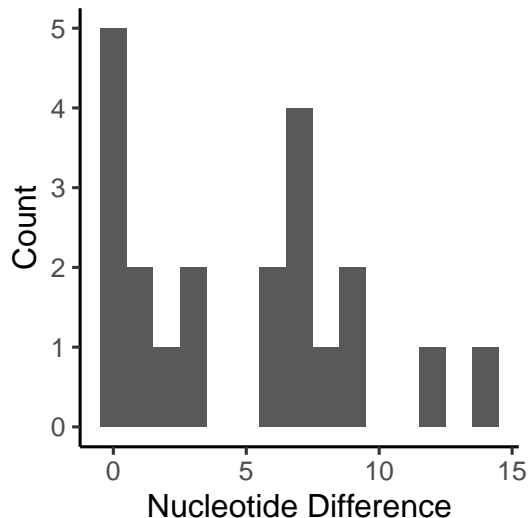
IGKV1-16*02

43 sequences assigned
34 (79.1%) exact matches, in which:
32 unique CDR3
5 unique J



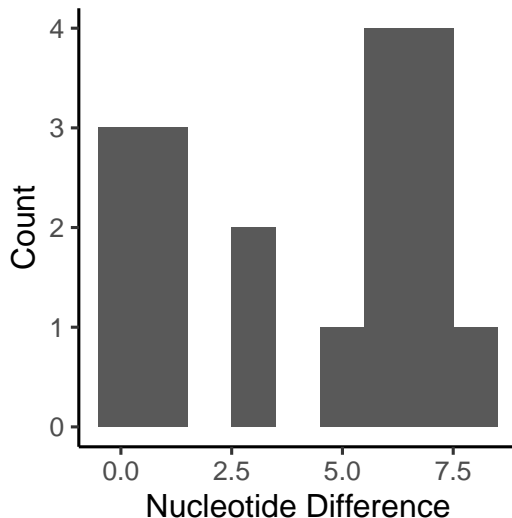
IGKV1-16*01_C312T

21 sequences assigned
5 (23.8%) exact matches, in which:
5 unique CDR3
2 unique J



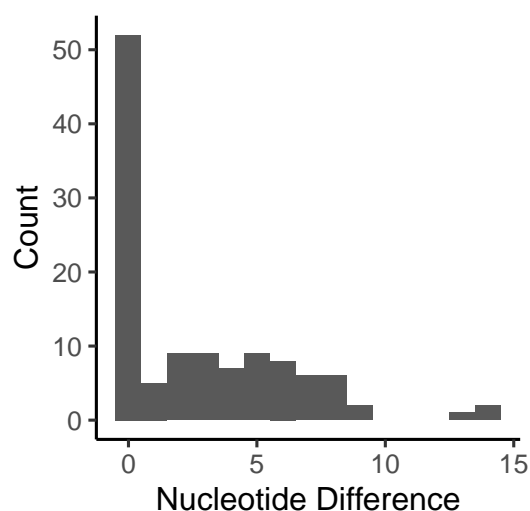
IGKV1-17*01_T314A

18 sequences assigned
3 (16.7%) exact matches, in which:
3 unique CDR3
3 unique J



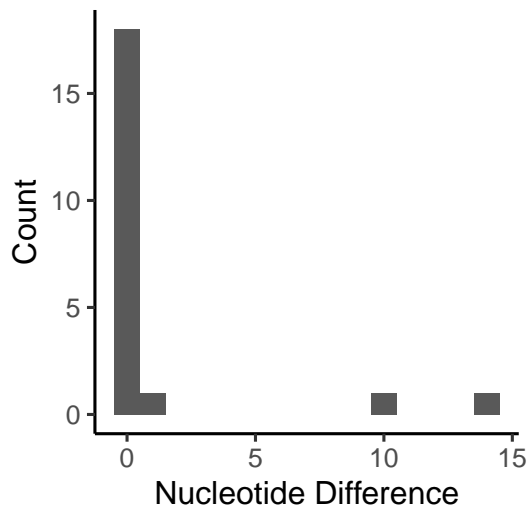
IGKV1-NL1*01

117 sequences assigned
52 (44.4%) exact matches, in which:
48 unique CDR3
5 unique J



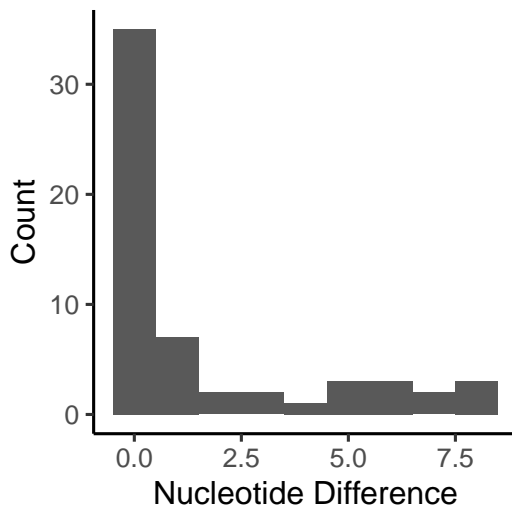
IGKV1-17*01

21 sequences assigned
18 (85.7%) exact matches, in which:
16 unique CDR3
4 unique J



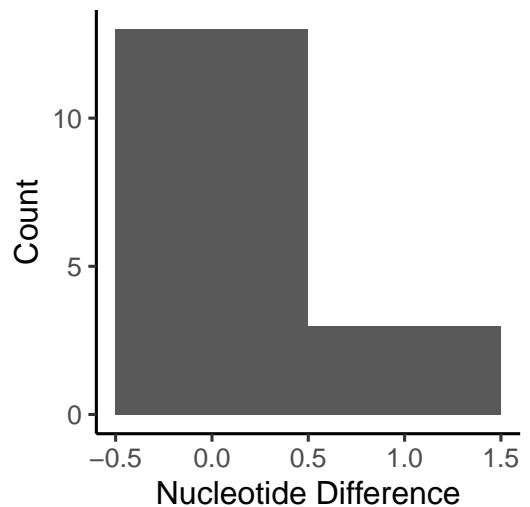
IGKV1-27*01

58 sequences assigned
35 (60.3%) exact matches, in which:
33 unique CDR3
5 unique J



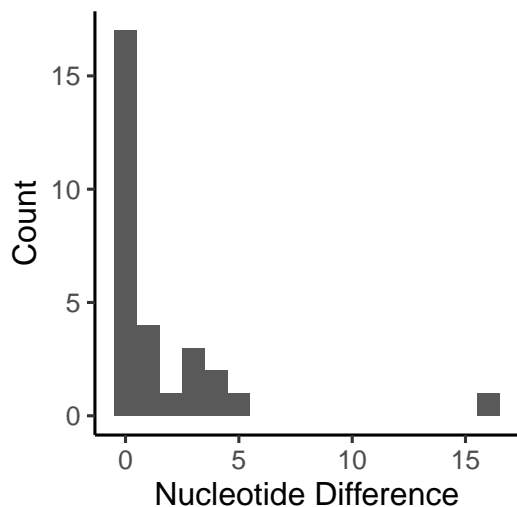
IGKV2-24*01

16 sequences assigned
13 (81.2%) exact matches, in which:
12 unique CDR3
4 unique J



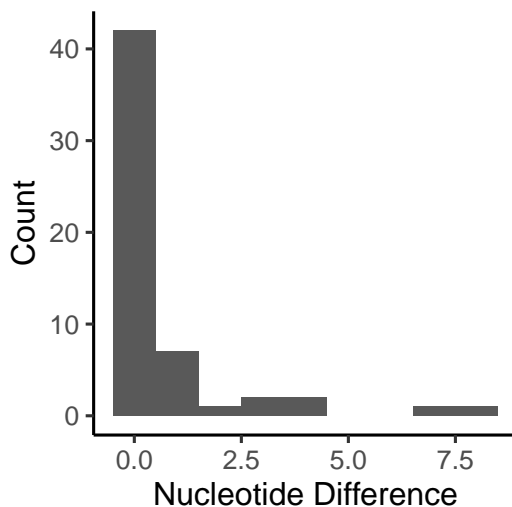
IGKV1-17*03

29 sequences assigned
17 (58.6%) exact matches, in which:
17 unique CDR3
3 unique J



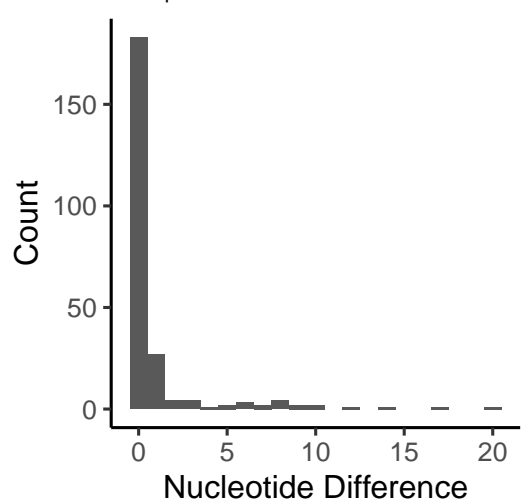
IGKV1-27*01_T231C

56 sequences assigned
42 (75%) exact matches, in which:
37 unique CDR3
5 unique J



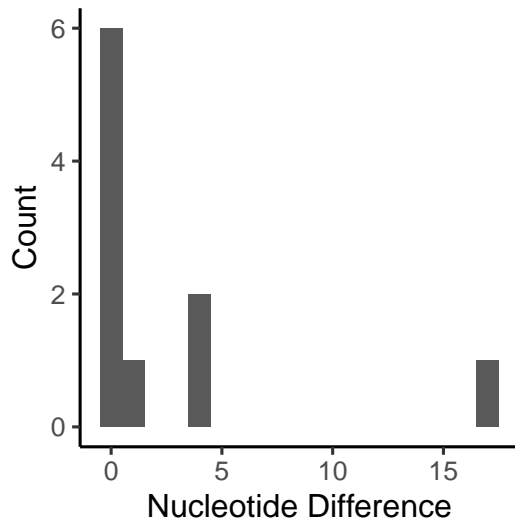
IGKV2-29*02

238 sequences assigned
183 (76.9%) exact matches, in which:
158 unique CDR3
5 unique J



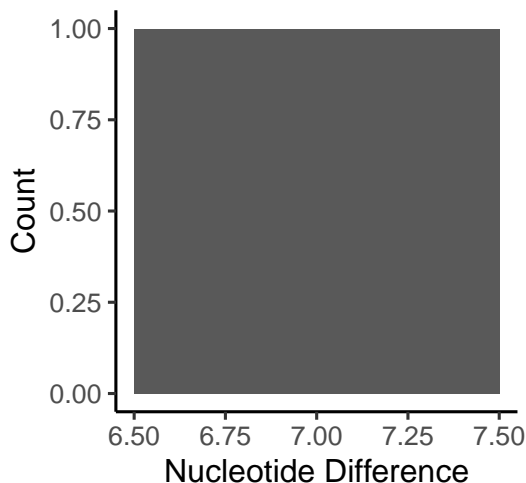
IGKV2–29*03_G197A

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



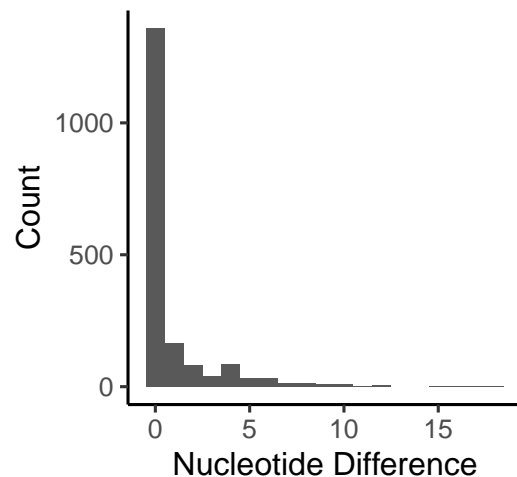
IGKV1/OR2–108*01

1 sequences assigned
No exact matches.



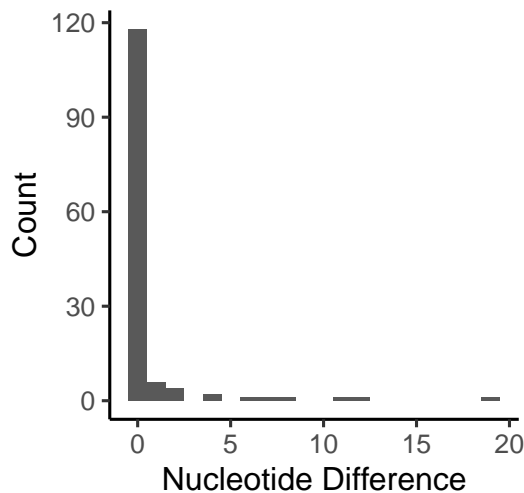
IGKV3–15*01

1859 sequences assigned
1358 (73.1%) exact matches, in which:
956 unique CDR3
5 unique J



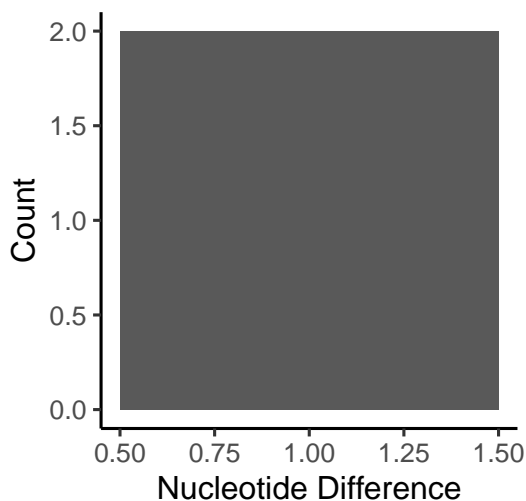
IGKV2–30*01

136 sequences assigned
118 (86.8%) exact matches, in which:
108 unique CDR3
5 unique J



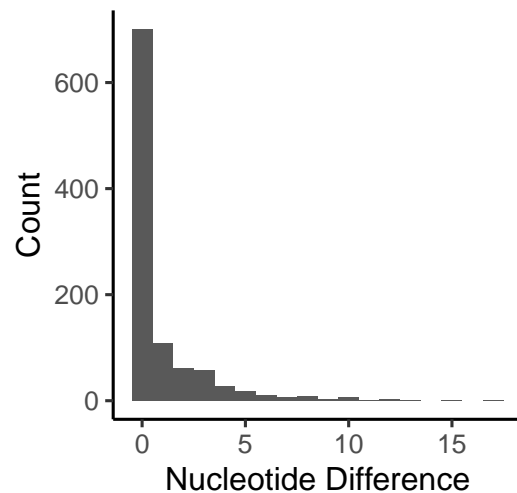
IGKV3–7*04

2 sequences assigned
No exact matches.



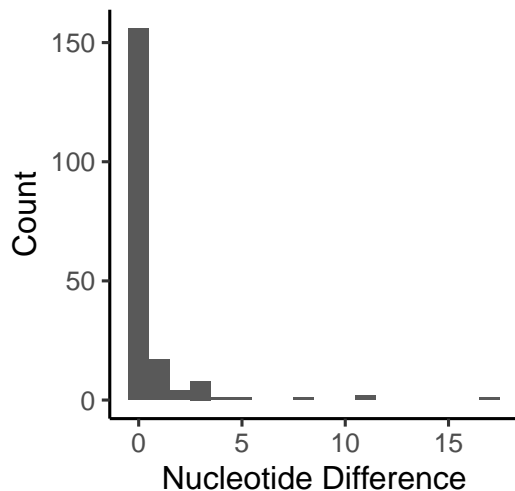
IGKV3–20*01

1020 sequences assigned
701 (68.7%) exact matches, in which:
551 unique CDR3
5 unique J



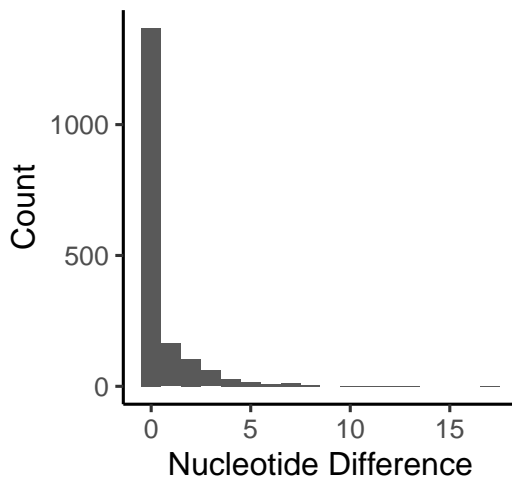
IGKV2–30*02

193 sequences assigned
156 (80.8%) exact matches, in which:
137 unique CDR3
5 unique J



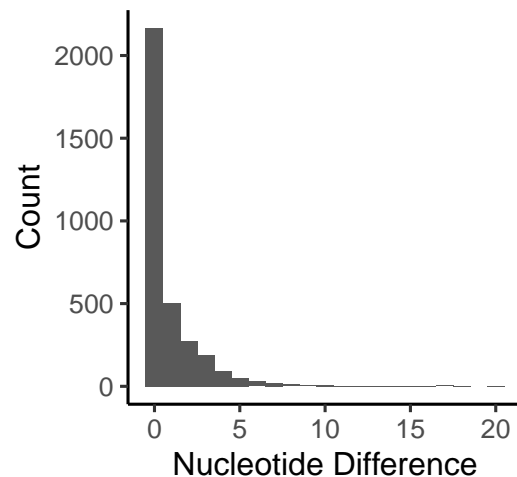
IGKV3–11*01

1776 sequences assigned
1369 (77.1%) exact matches, in which:
931 unique CDR3
5 unique J



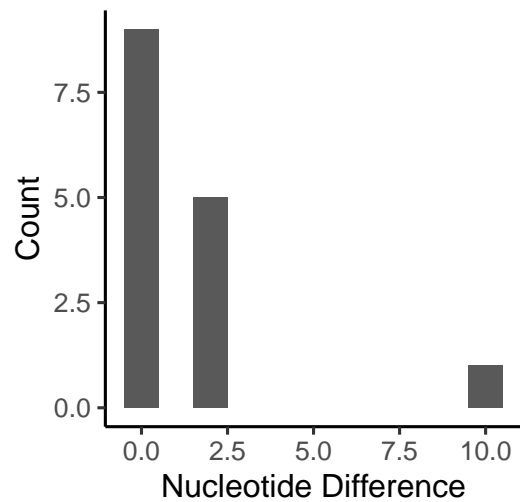
IGKV4–1*01

3382 sequences assigned
2166 (64%) exact matches, in which:
1100 unique CDR3
5 unique J



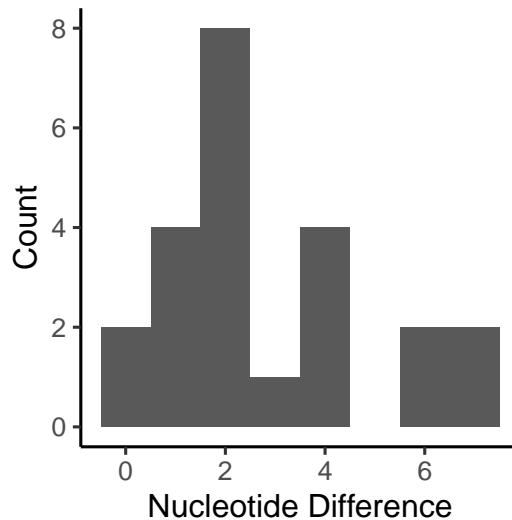
IGKV5-2*01

15 sequences assigned
9 (60%) exact matches, in which:
8 unique CDR3
4 unique J



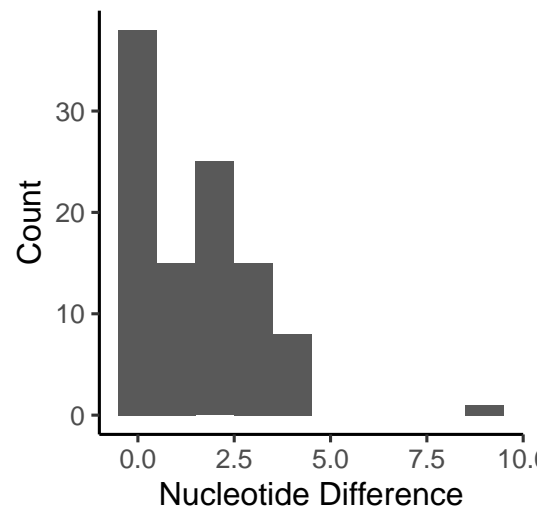
IGKV1D-8*03

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



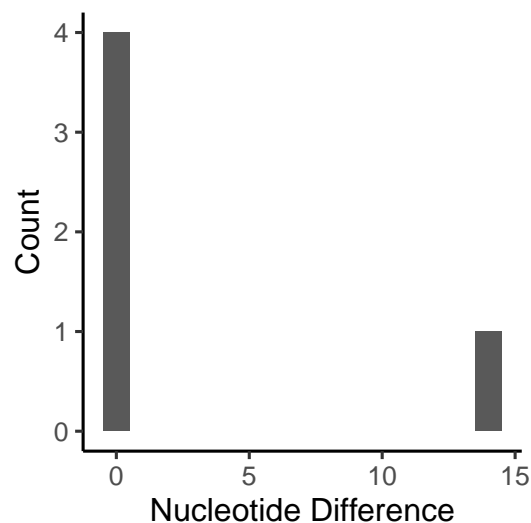
IGKV3D-11*02_T6A_T10A

102 sequences assigned
38 (37.3%) exact matches, in which:
34 unique CDR3
5 unique J



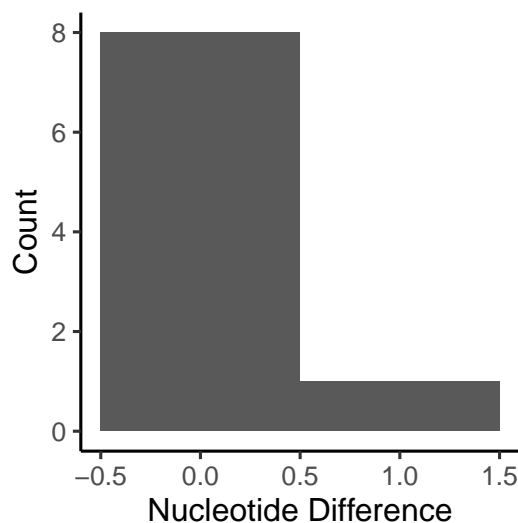
IGKV3D-7*01

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



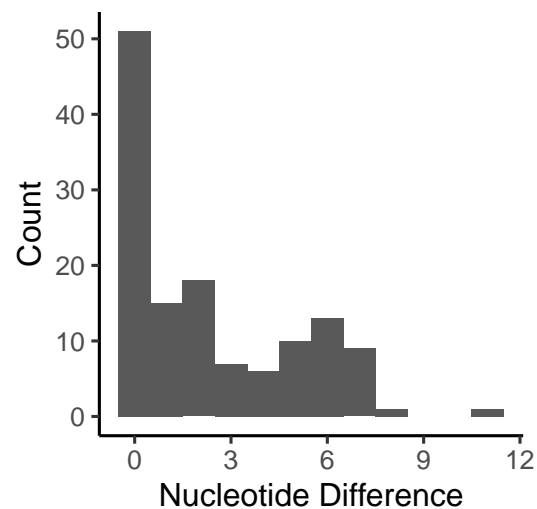
IGKV3D-11*01

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



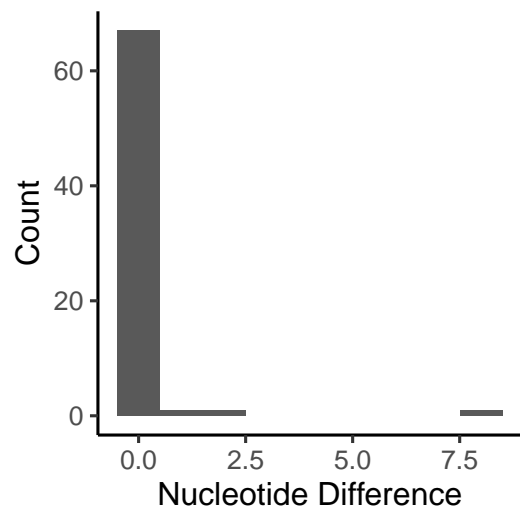
IGKV3D-15*01

131 sequences assigned
51 (38.9%) exact matches, in which:
47 unique CDR3
5 unique J



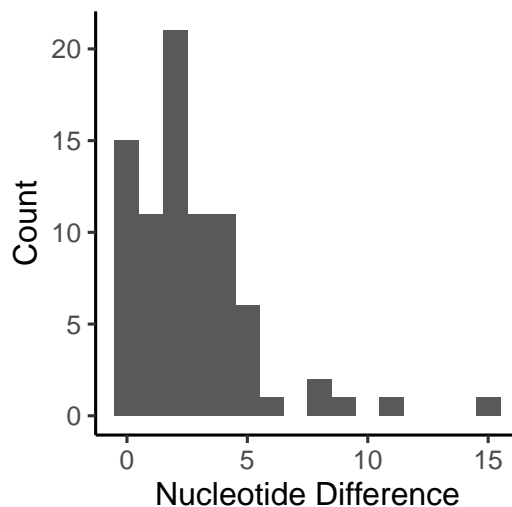
IGKV1D-8*01

70 sequences assigned
67 (95.7%) exact matches, in which:
59 unique CDR3
5 unique J



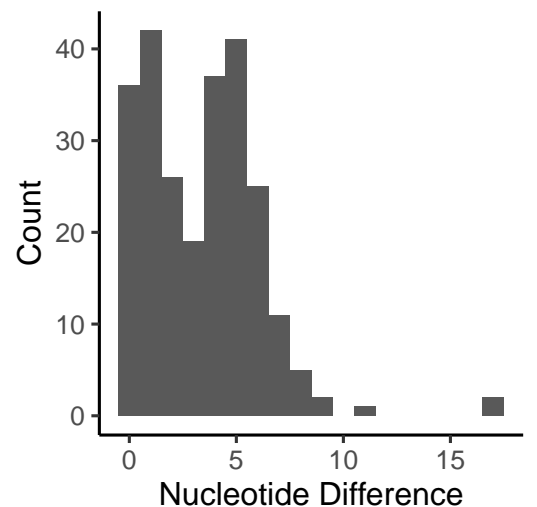
IGKV3D-11*02_C247T

81 sequences assigned
15 (18.5%) exact matches, in which:
15 unique CDR3
4 unique J



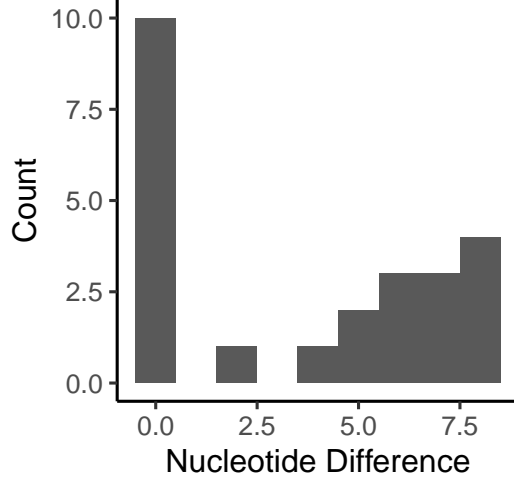
IGKV3D-15*01_G258C_C247T

247 sequences assigned
36 (14.6%) exact matches, in which:
36 unique CDR3
4 unique J



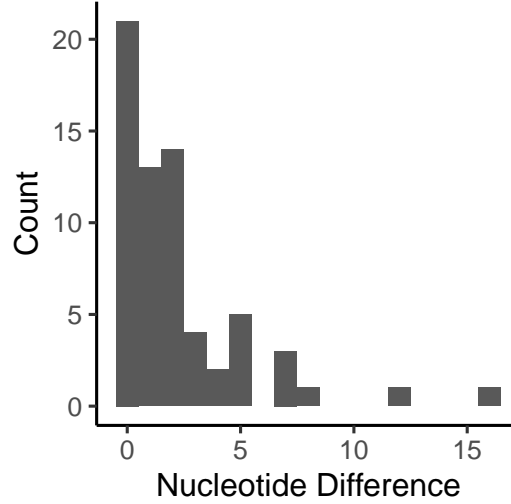
IGKV1D-16*01

24 sequences assigned
10 (41.7%) exact matches, in which:
10 unique CDR3
3 unique J



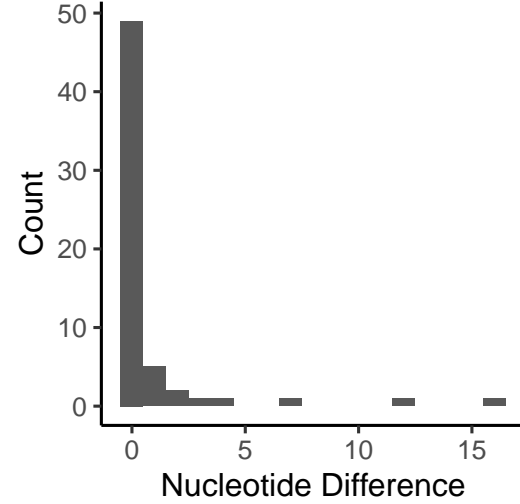
IGKV3D-20*02_C26G_A1

65 sequences assigned
21 (32.3%) exact matches, in which:
20 unique CDR3
5 unique J



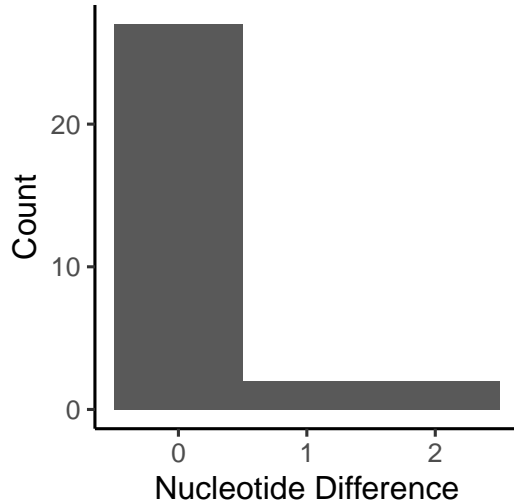
IGKV2D-29*01

61 sequences assigned
49 (80.3%) exact matches, in which:
49 unique CDR3
5 unique J



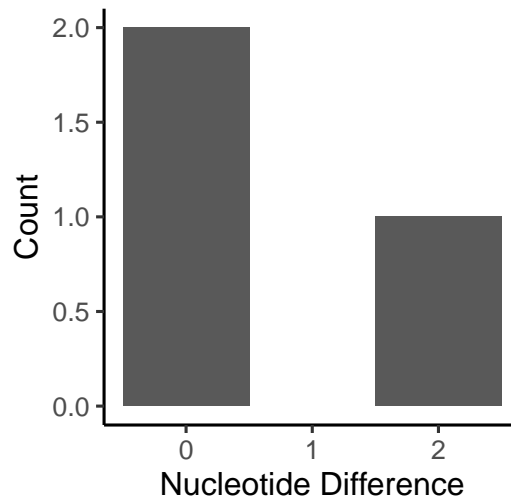
IGKV3D-20*01

31 sequences assigned
27 (87.1%) exact matches, in which:
26 unique CDR3
5 unique J



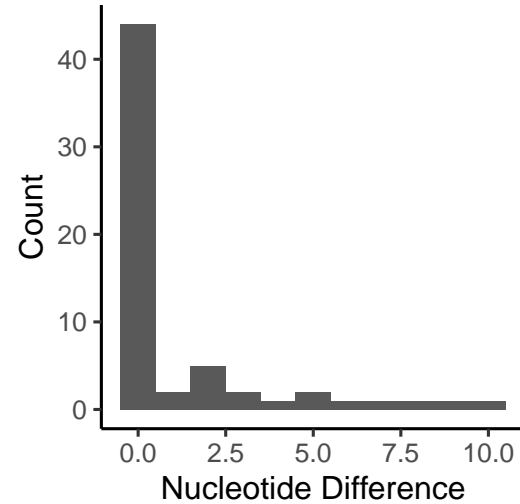
IGKV2D-24*01

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



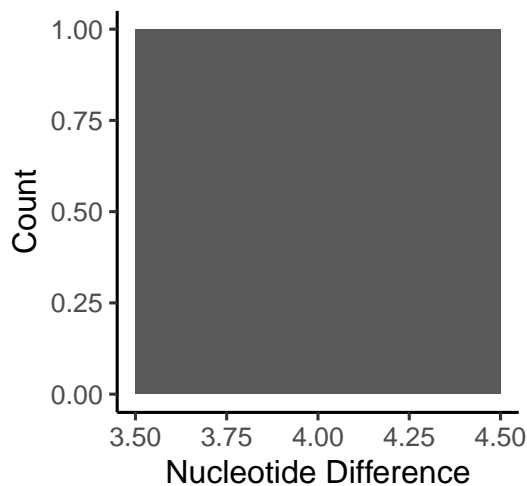
IGKV2D-29*02

61 sequences assigned
44 (72.1%) exact matches, in which:
35 unique CDR3
5 unique J



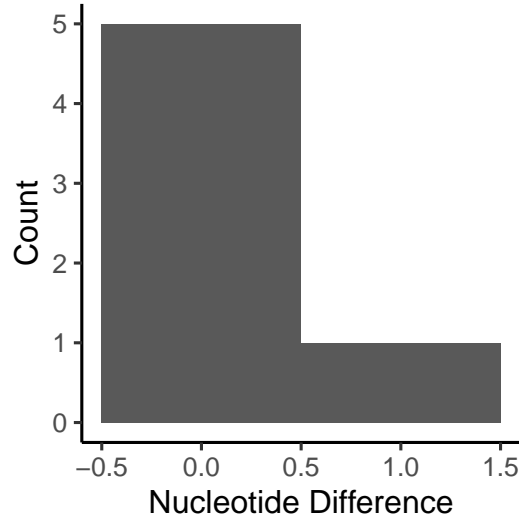
IGKV3D-20*02

1 sequences assigned
No exact matches.



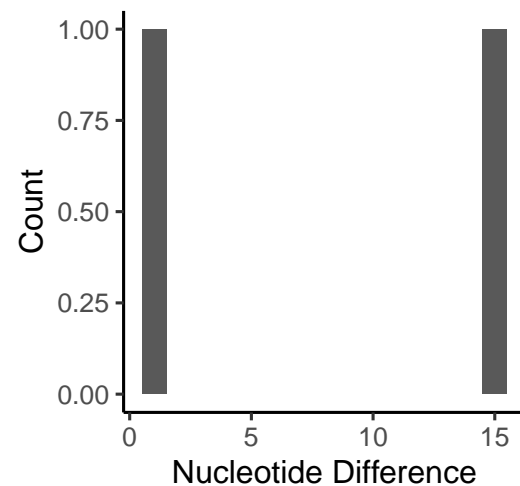
IGKV2D-26*03

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
3 unique J



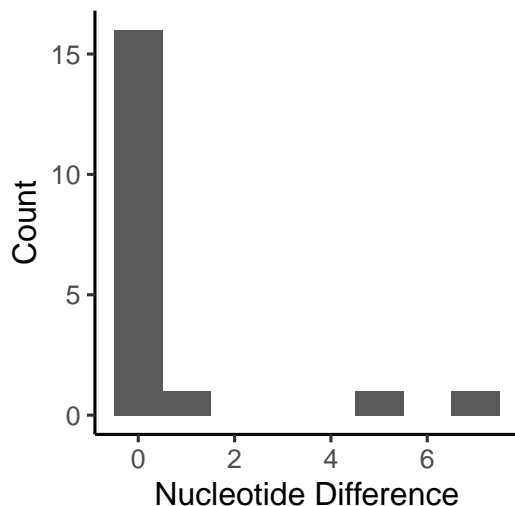
IGKV2D-29*02_A319G

2 sequences assigned
No exact matches.



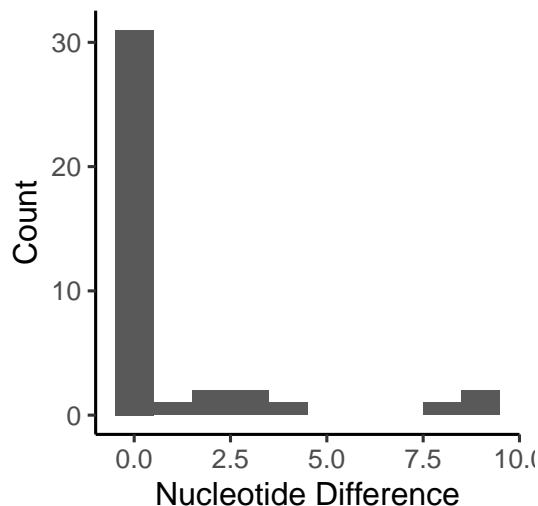
IGKV2D–30*01

19 sequences assigned
16 (84.2%) exact matches, in which:
16 unique CDR3
5 unique J



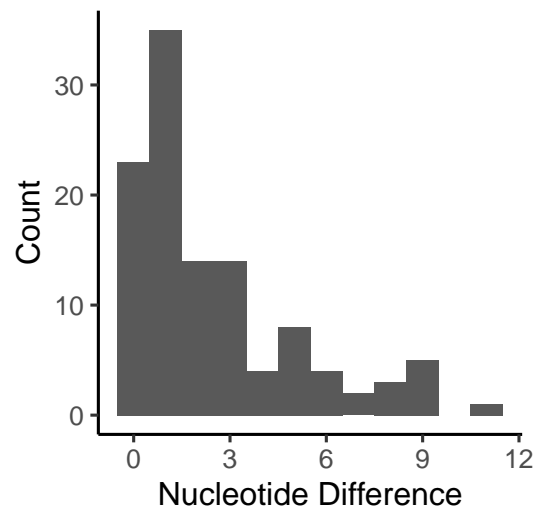
IGKV1E–12*01

40 sequences assigned
31 (77.5%) exact matches, in which:
23 unique CDR3
5 unique J



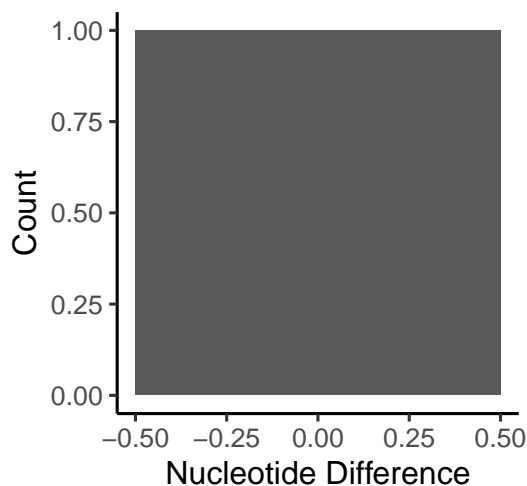
IGKV1E–12*01_T309C

113 sequences assigned
23 (20.4%) exact matches, in which:
23 unique CDR3
4 unique J



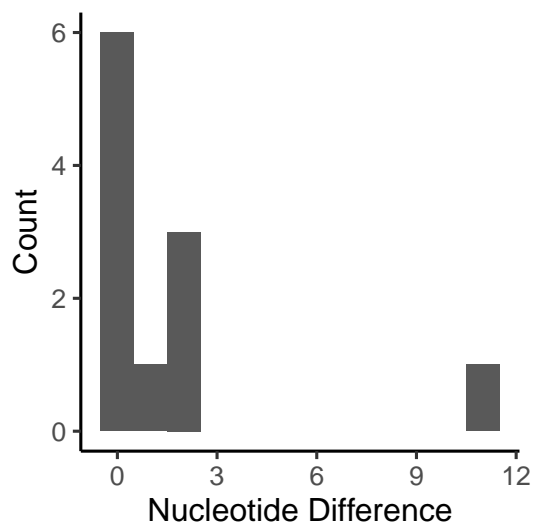
IGKV6D–41*01

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



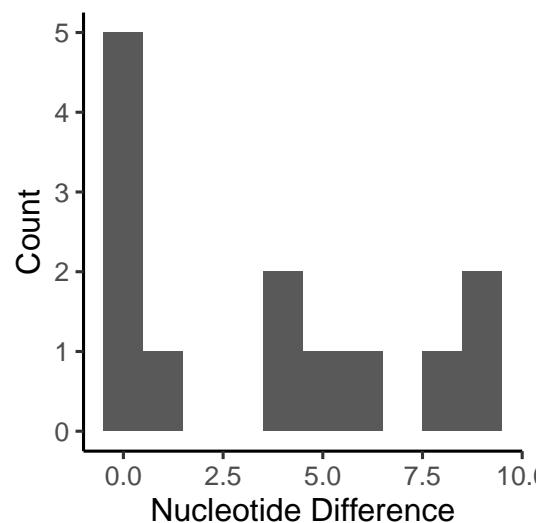
IGKV1E–12*02

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



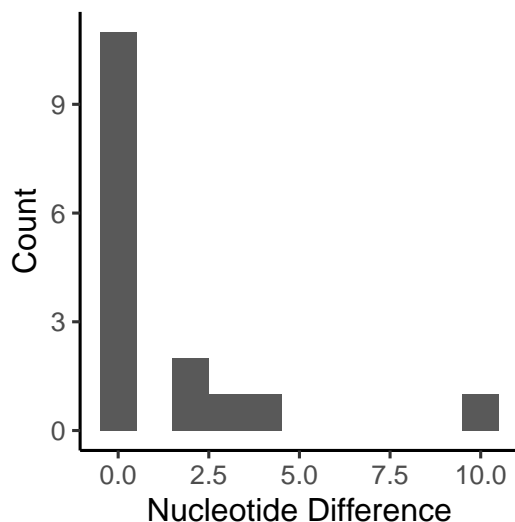
IGKV1E–13*02

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



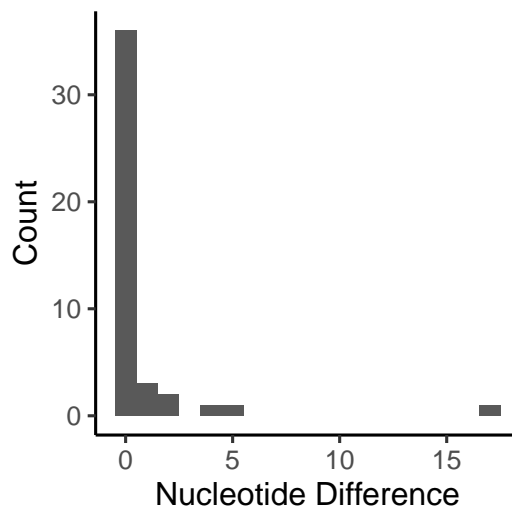
IGKV1D–43*01

16 sequences assigned
11 (68.8%) exact matches, in which:
11 unique CDR3
3 unique J



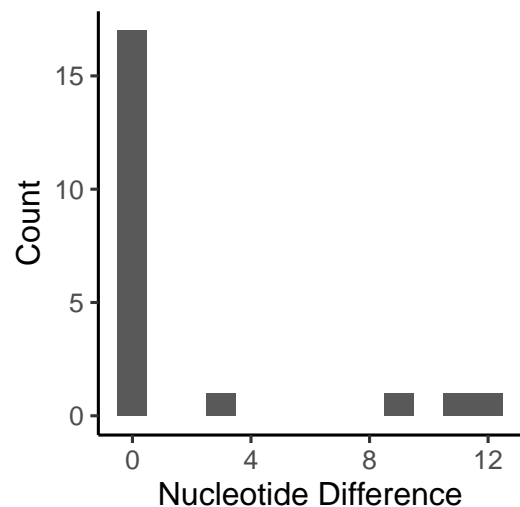
IGKV1E–12*03

44 sequences assigned
36 (81.8%) exact matches, in which:
30 unique CDR3
5 unique J



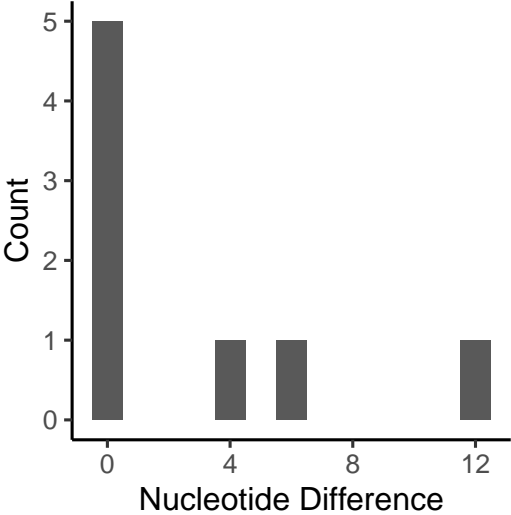
IGKV1E–13*03

21 sequences assigned
17 (81%) exact matches, in which:
17 unique CDR3
4 unique J



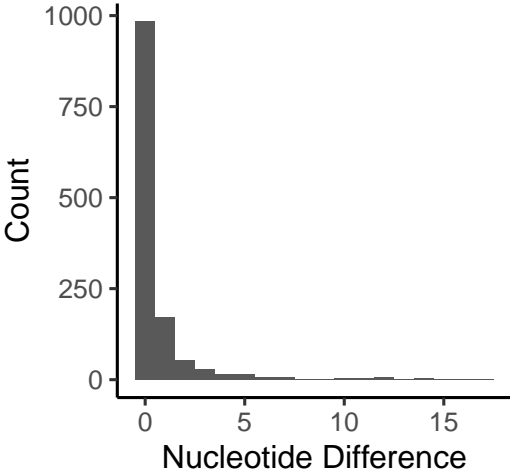
IGKV6E-21*01

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



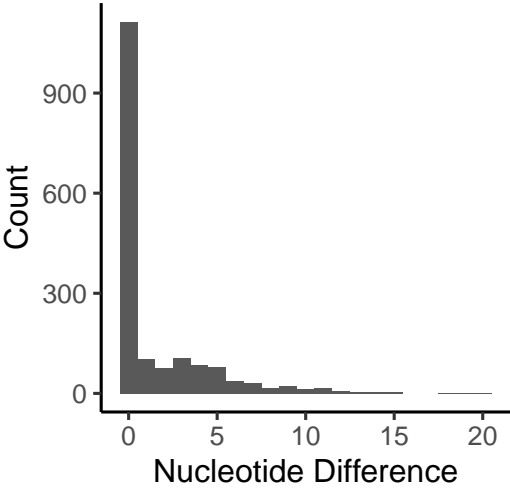
IGKV2E-28*01

1311 sequences assigned
984 (75.1%) exact matches, in which:
647 unique CDR3
5 unique J



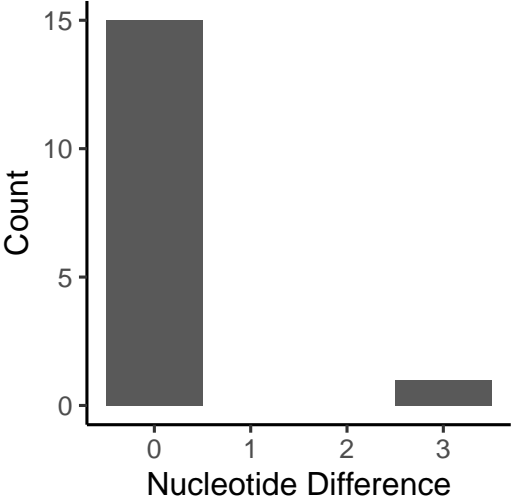
IGKV1E-39*01

1737 sequences assigned
1114 (64.1%) exact matches, in which:
727 unique CDR3
5 unique J



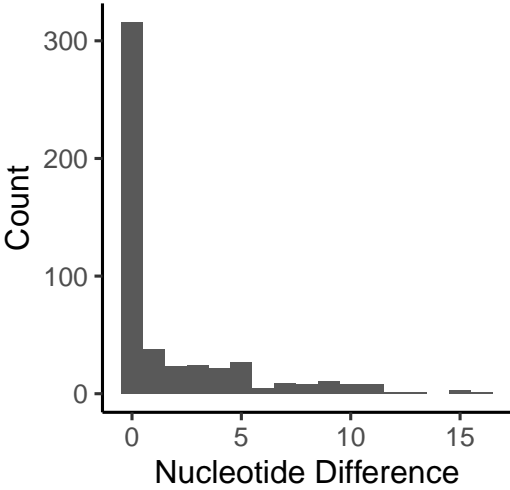
IGKV6E-21*02

16 sequences assigned
15 (93.8%) exact matches, in which:
15 unique CDR3
4 unique J



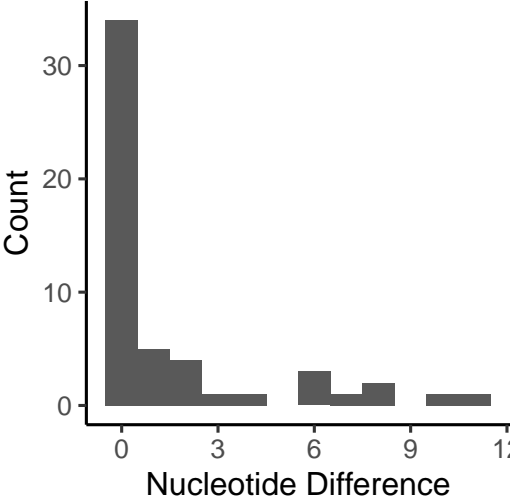
IGKV1E-33*01

506 sequences assigned
316 (62.5%) exact matches, in which:
250 unique CDR3
5 unique J



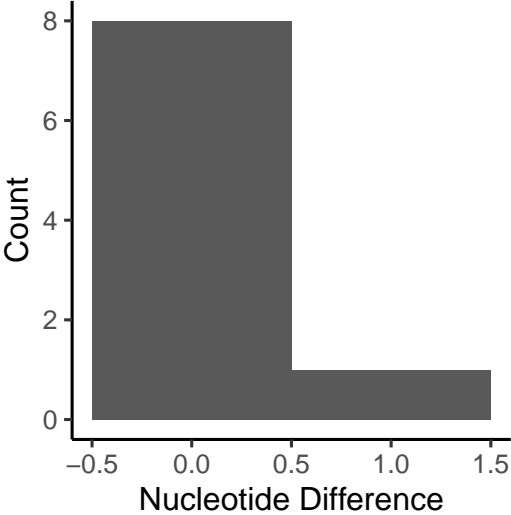
IGKV2E-40*01

54 sequences assigned
34 (63%) exact matches, in which:
28 unique CDR3
5 unique J



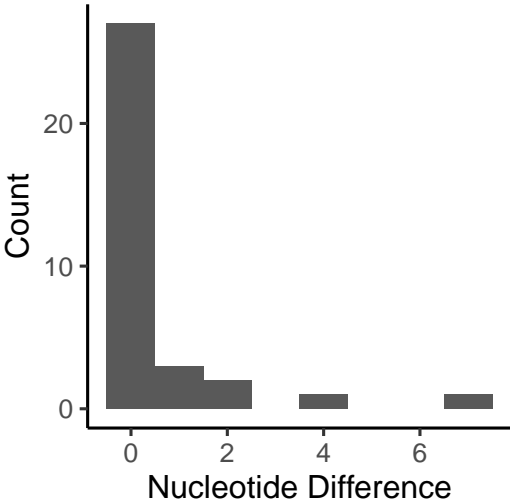
IGKV6E-21*03

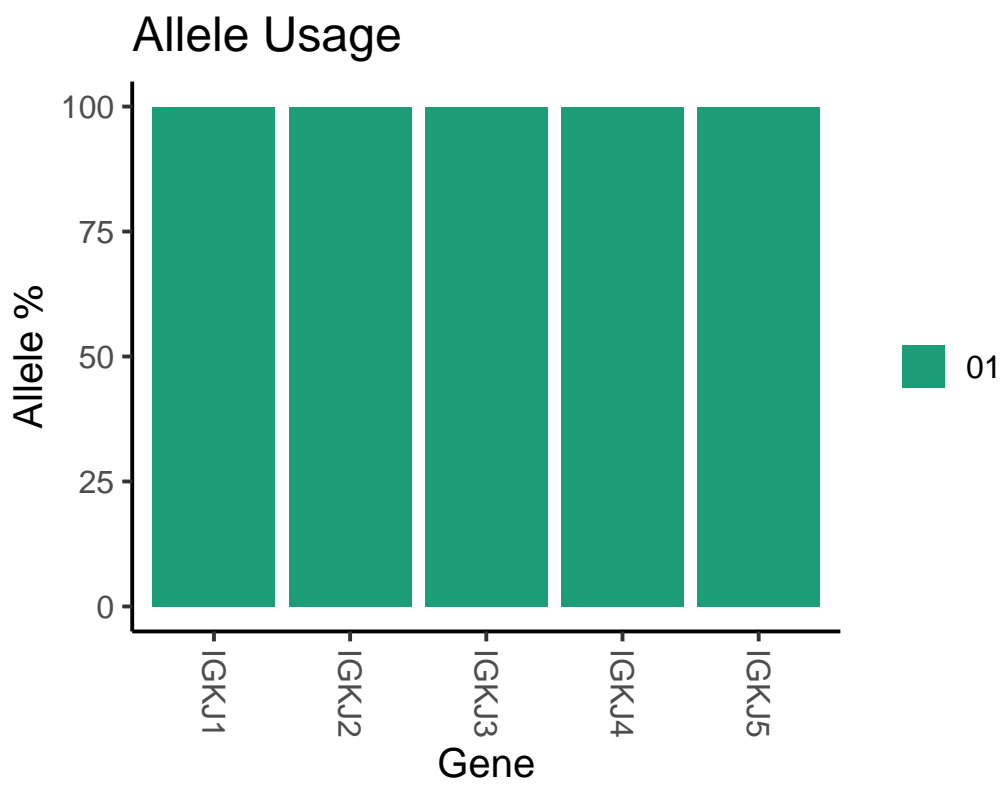
9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
4 unique J



IGKV1E-37*01

34 sequences assigned
27 (79.4%) exact matches, in which:
26 unique CDR3
5 unique J





Warning – no inferred sequences found.