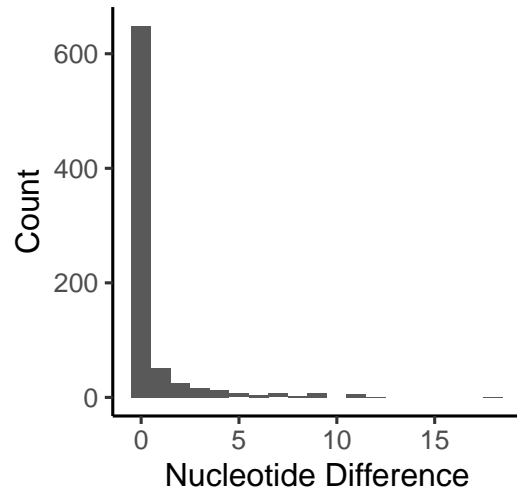


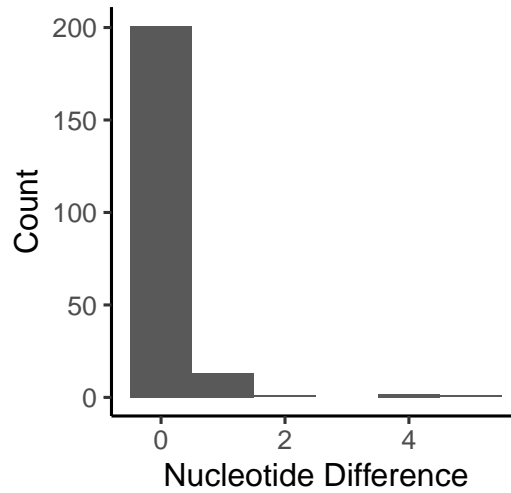
IGKV1-5*03

791 sequences assigned
649 (82%) exact matches, in which:
546 unique CDR3
5 unique J



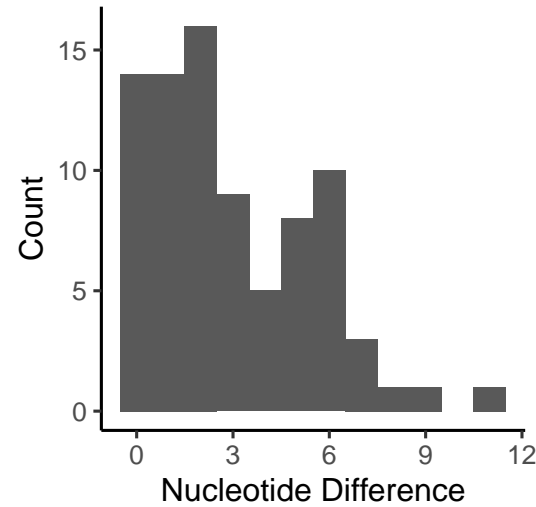
IGKV1-8*01

218 sequences assigned
201 (92.2%) exact matches, in which:
148 unique CDR3
5 unique J



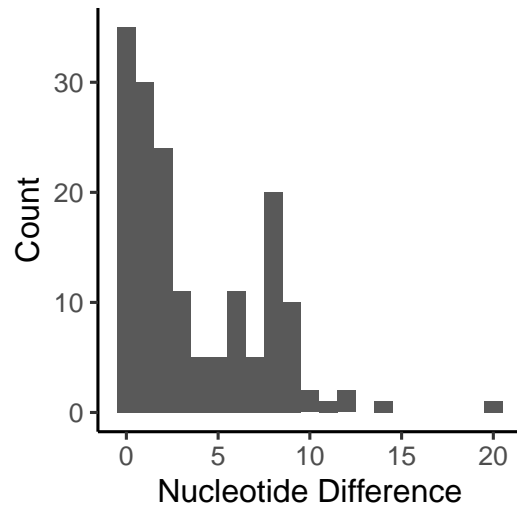
IGKV1-9*01_A270C

83 sequences assigned
14 (16.9%) exact matches, in which:
14 unique CDR3
4 unique J



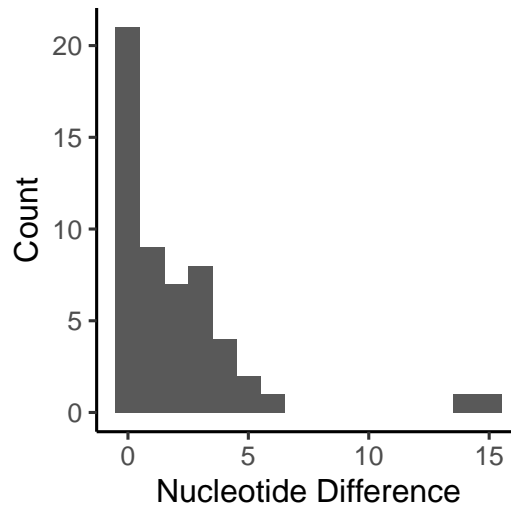
IGKV1-5*03_C312T

164 sequences assigned
35 (21.3%) exact matches, in which:
35 unique CDR3
5 unique J



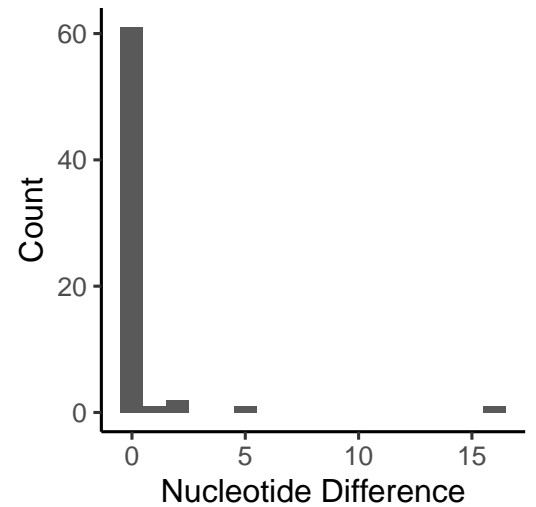
IGKV1-8*01_T277A_T286

54 sequences assigned
21 (38.9%) exact matches, in which:
21 unique CDR3
4 unique J



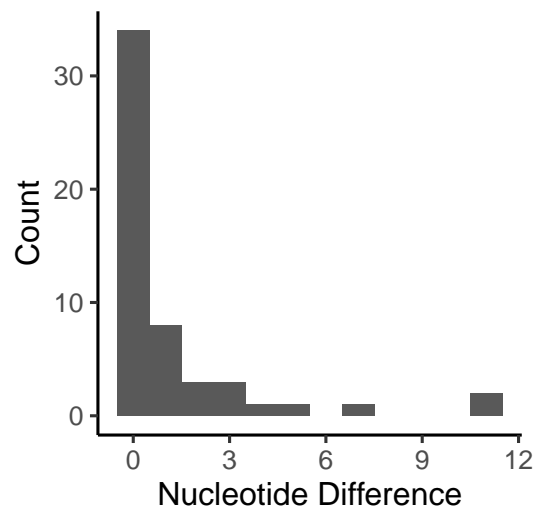
IGKV1-16*02

66 sequences assigned
61 (92.4%) exact matches, in which:
53 unique CDR3
5 unique J



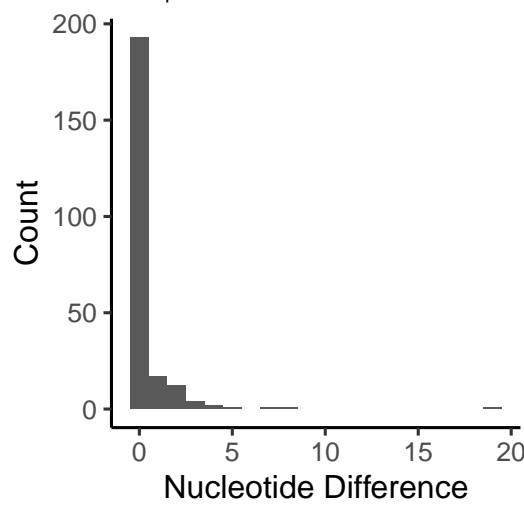
IGKV1-6*01

53 sequences assigned
34 (64.2%) exact matches, in which:
31 unique CDR3
4 unique J



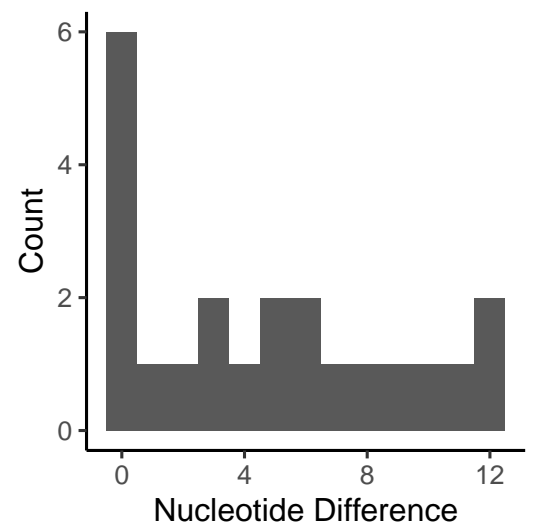
IGKV1-9*01

232 sequences assigned
193 (83.2%) exact matches, in which:
173 unique CDR3
5 unique J



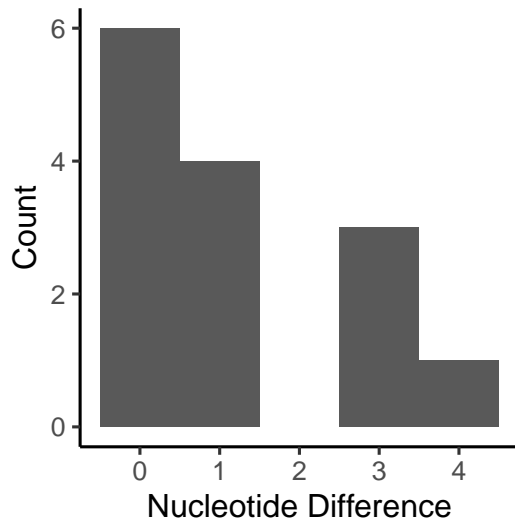
IGKV1-16*01_C312T

22 sequences assigned
6 (27.3%) exact matches, in which:
6 unique CDR3
2 unique J



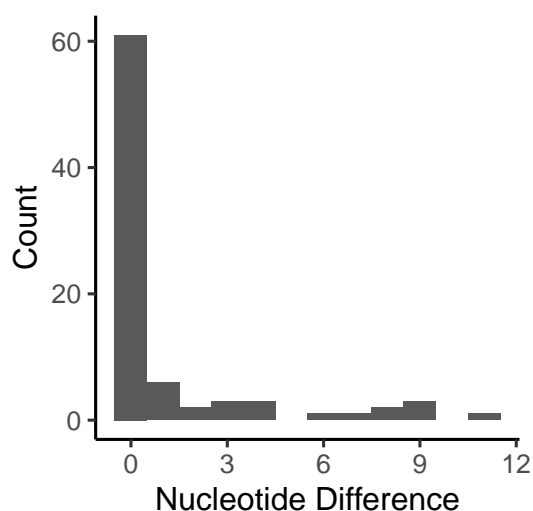
IGKV1-16*02_C312T

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



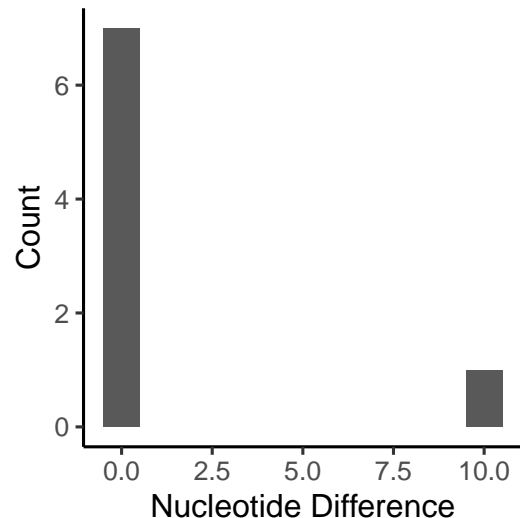
IGKV1-27*01

83 sequences assigned
61 (73.5%) exact matches, in which:
50 unique CDR3
5 unique J



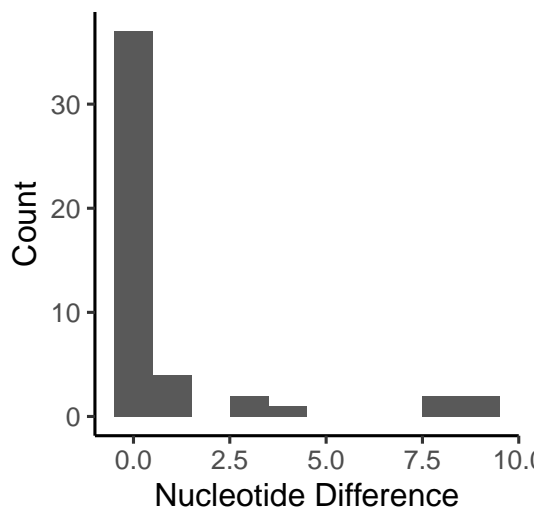
IGKV2-18*01

8 sequences assigned
7 (87.5%) exact matches, in which:
7 unique CDR3
4 unique J



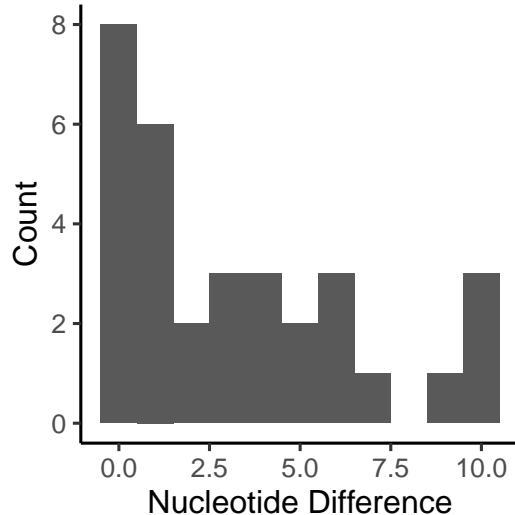
IGKV1-17*01

48 sequences assigned
37 (77.1%) exact matches, in which:
33 unique CDR3
5 unique J



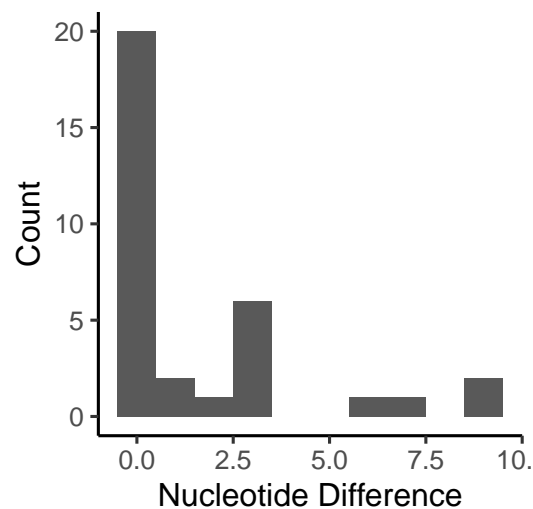
IGKV1-27*01_A316C

33 sequences assigned
8 (24.2%) exact matches, in which:
8 unique CDR3
4 unique J



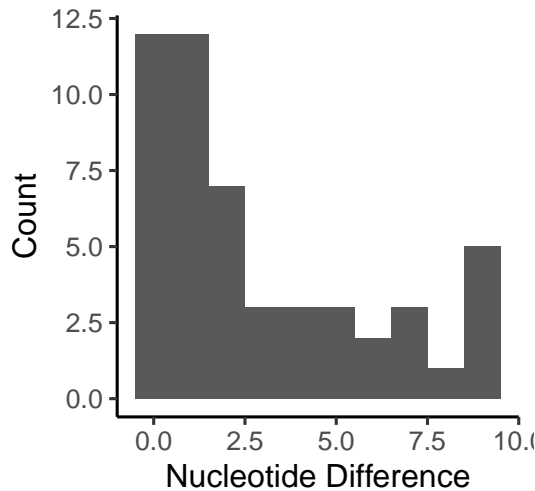
IGKV2-24*01

33 sequences assigned
20 (60.6%) exact matches, in which:
18 unique CDR3
4 unique J



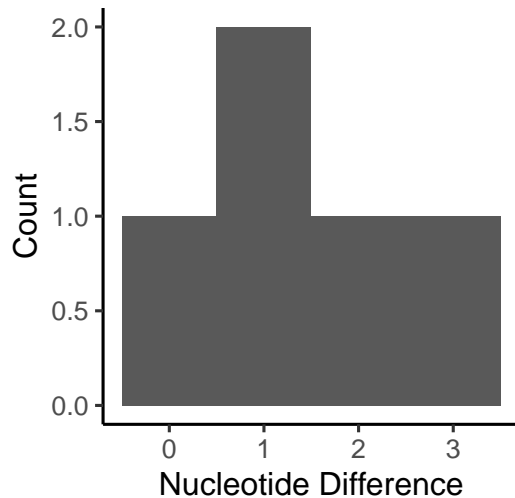
IGKV1-17*01_T314A

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



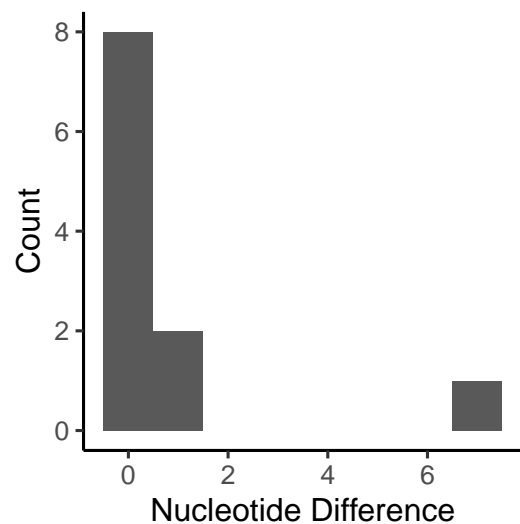
IGKV2/OR22-4*01

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



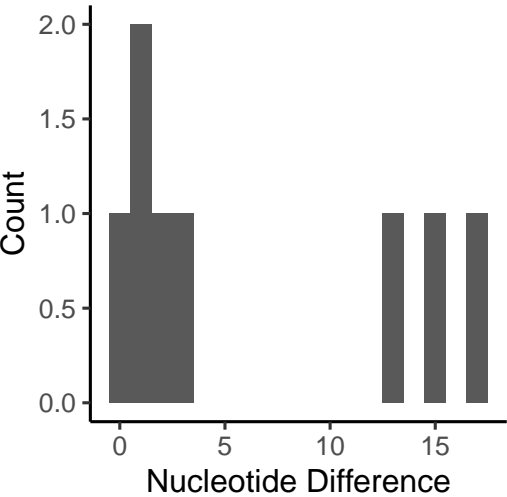
IGKV2-29*03

11 sequences assigned
8 (72.7%) exact matches, in which:
8 unique CDR3
4 unique J



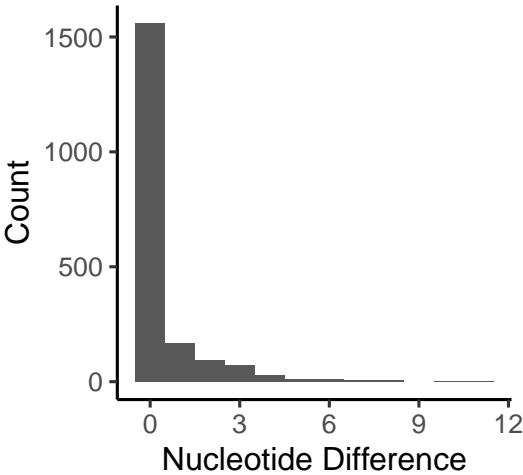
IGKV2-29*03_G197A

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
0 unique J



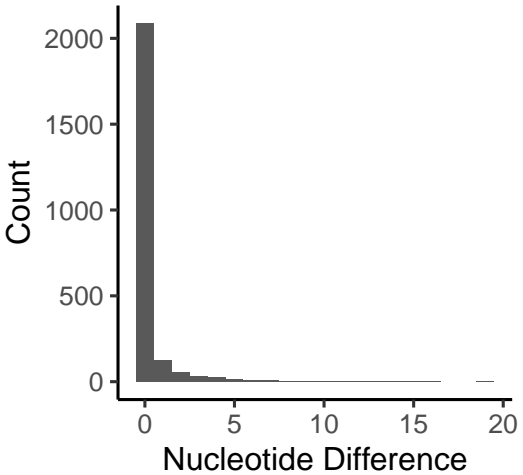
IGKV3-11*01

1956 sequences assigned
1559 (79.7%) exact matches, in which:
1124 unique CDR3
5 unique J



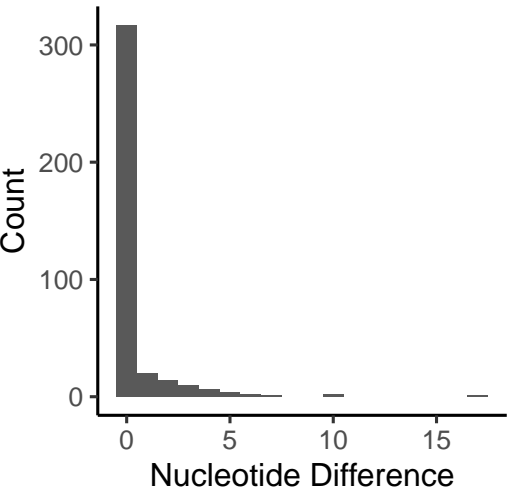
IGKV4-1*01

2371 sequences assigned
2087 (88%) exact matches, in which:
1151 unique CDR3
5 unique J



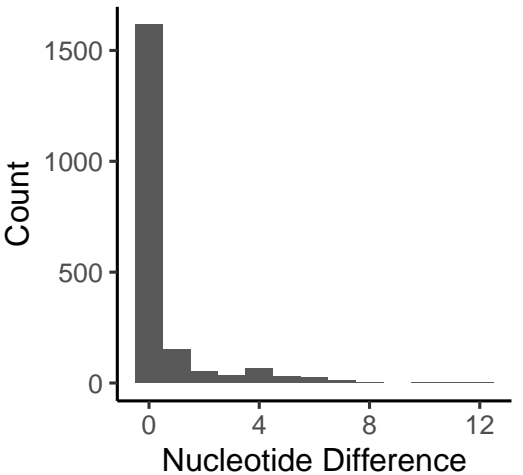
IGKV2-30*01

377 sequences assigned
317 (84.1%) exact matches, in which:
269 unique CDR3
5 unique J



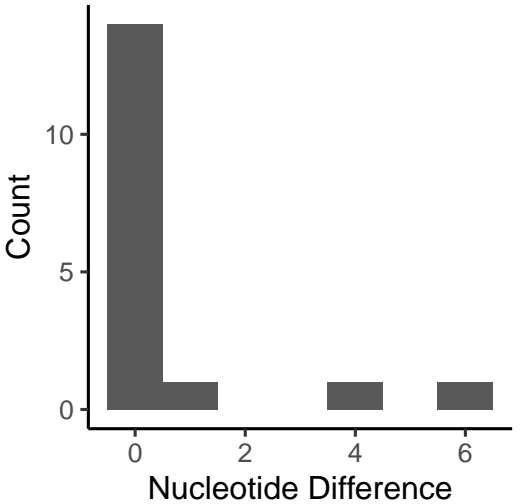
IGKV3-15*01

1998 sequences assigned
1616 (80.9%) exact matches, in which:
1188 unique CDR3
5 unique J



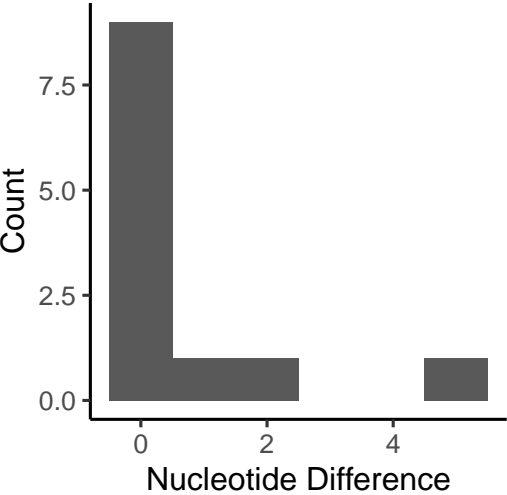
IGKV5-2*01

17 sequences assigned
14 (82.4%) exact matches, in which:
14 unique CDR3
4 unique J



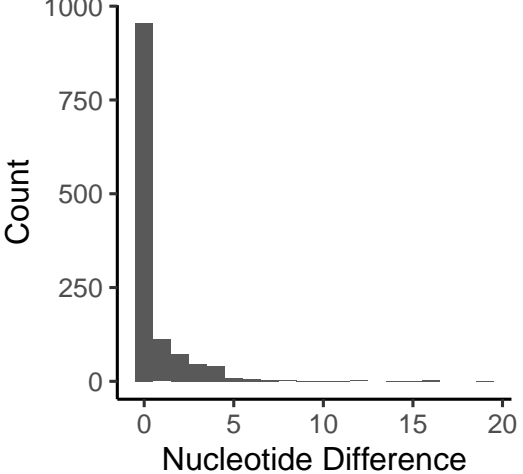
IGKV3-7*04

12 sequences assigned
9 (75%) exact matches, in which:
9 unique CDR3
4 unique J



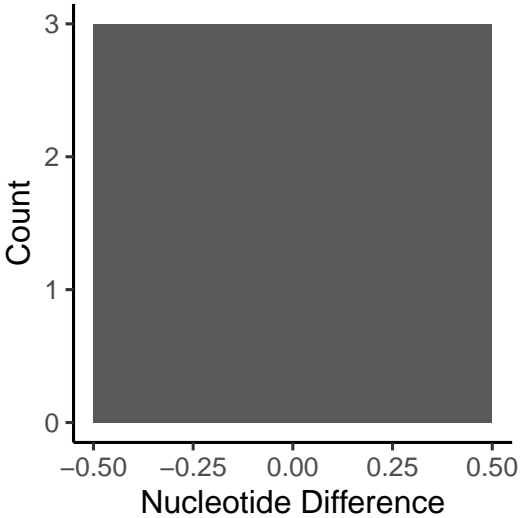
IGKV3-20*01

1257 sequences assigned
955 (76%) exact matches, in which:
739 unique CDR3
5 unique J



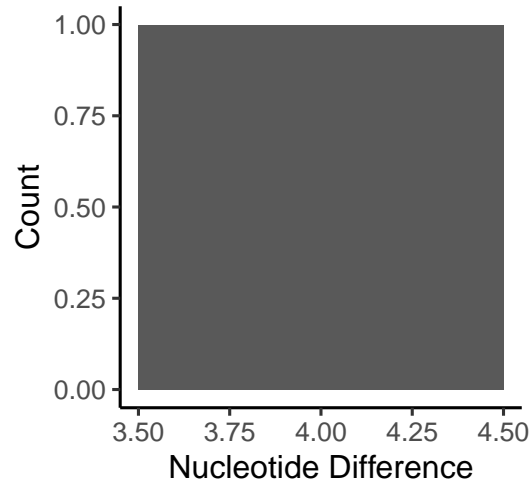
IGKV7-3*01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
2 unique J



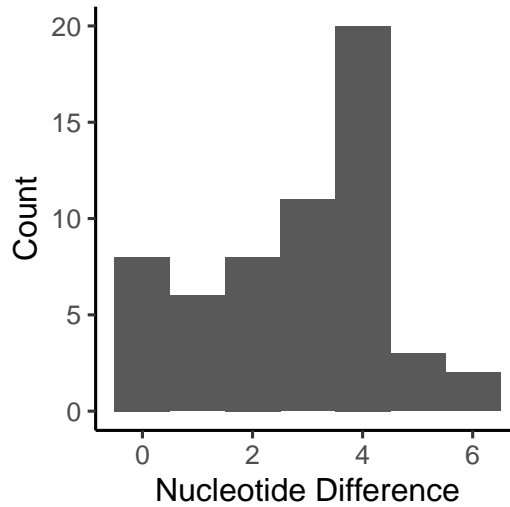
IGKV3D-7*01

1 sequences assigned
No exact matches.



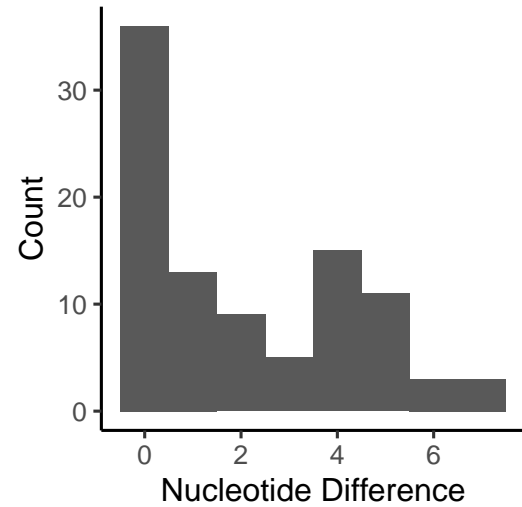
IGKV3D-11*02_A15G_C2

58 sequences assigned
8 (13.8%) exact matches, in which:
7 unique CDR3
3 unique J



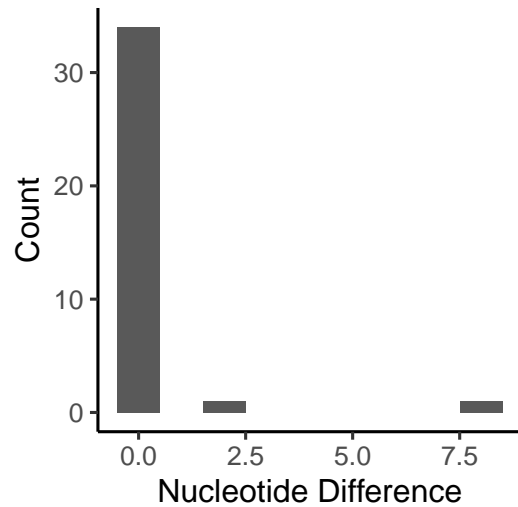
IGKV3D-15*01

95 sequences assigned
36 (37.9%) exact matches, in which:
34 unique CDR3
4 unique J



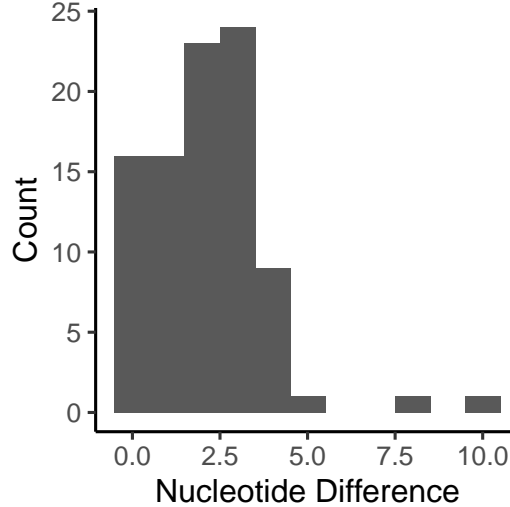
IGKV1D-8*01

36 sequences assigned
34 (94.4%) exact matches, in which:
30 unique CDR3
5 unique J



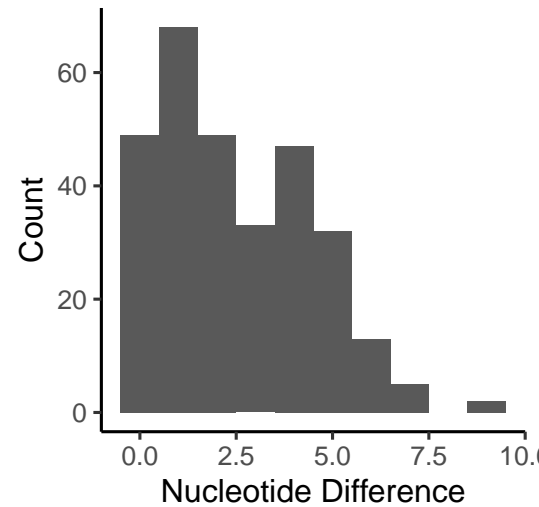
IGKV3D-11*02_A15G_C2

91 sequences assigned
16 (17.6%) exact matches, in which:
16 unique CDR3
5 unique J



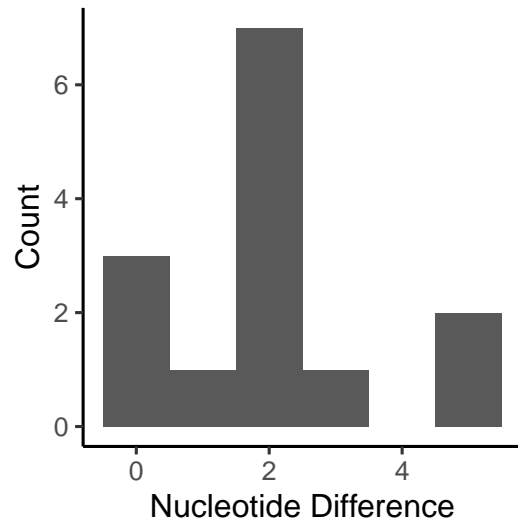
IGKV3D-15*01_G258C_C

298 sequences assigned
49 (16.4%) exact matches, in which:
49 unique CDR3
5 unique J



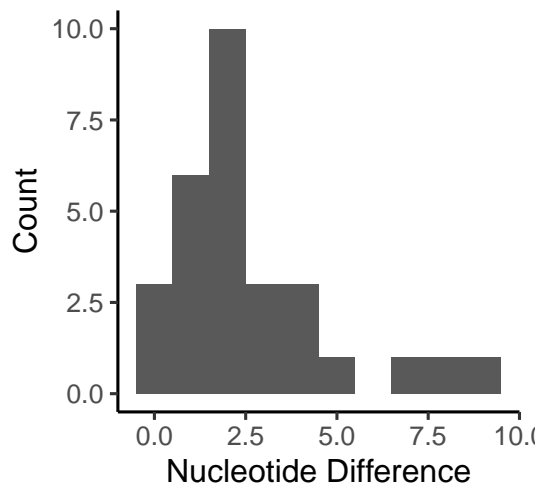
IGKV1D-8*03

14 sequences assigned
3 (21.4%) exact matches, in which:
3 unique CDR3
2 unique J



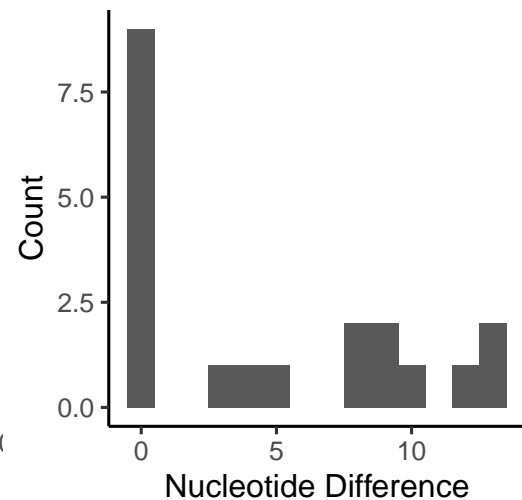
IGKV3D-11*02_C247T

29 sequences assigned
3 (10.3%) exact matches, in which:
3 unique CDR3
3 unique J



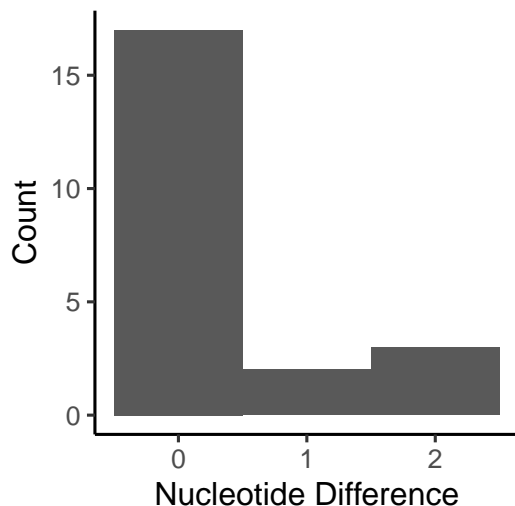
IGKV1D-16*01

20 sequences assigned
9 (45%) exact matches, in which:
9 unique CDR3
4 unique J



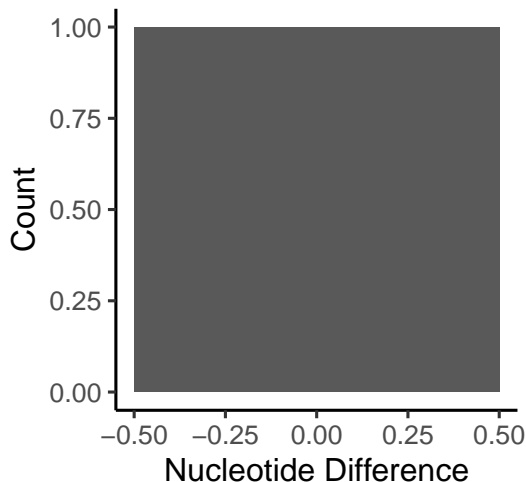
IGKV3D-20*01

22 sequences assigned
17 (77.3%) exact matches, in which:
17 unique CDR3
5 unique J



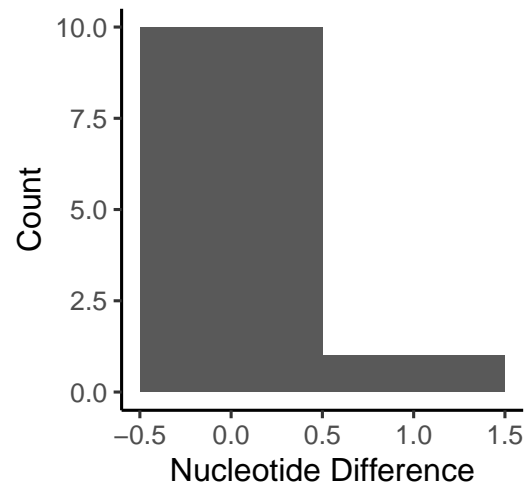
IGKV2D-24*01

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



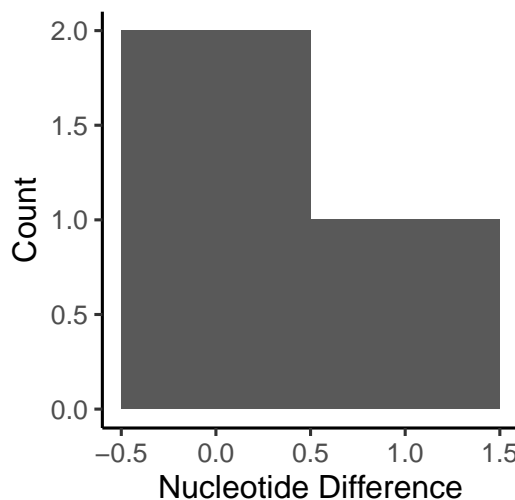
IGKV2D-30*01

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



IGKV3D-20*01_G70A

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



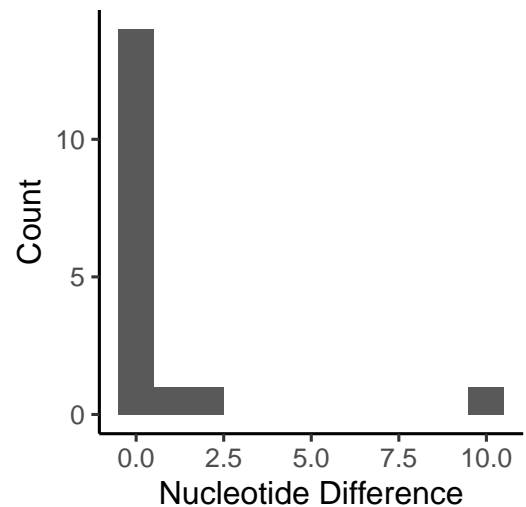
IGKV2D-26*03

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



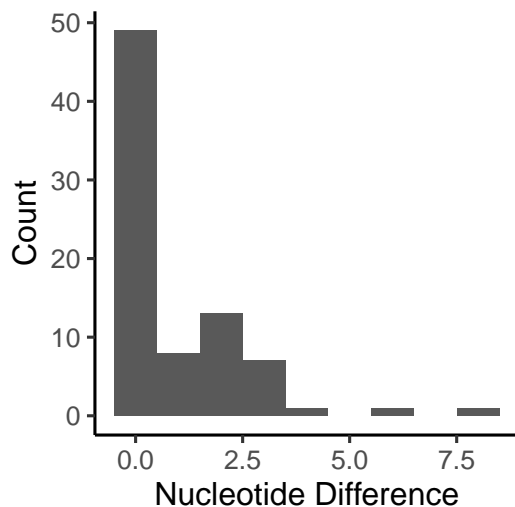
IGKV1D-43*01

17 sequences assigned
14 (82.4%) exact matches, in which:
13 unique CDR3
4 unique J



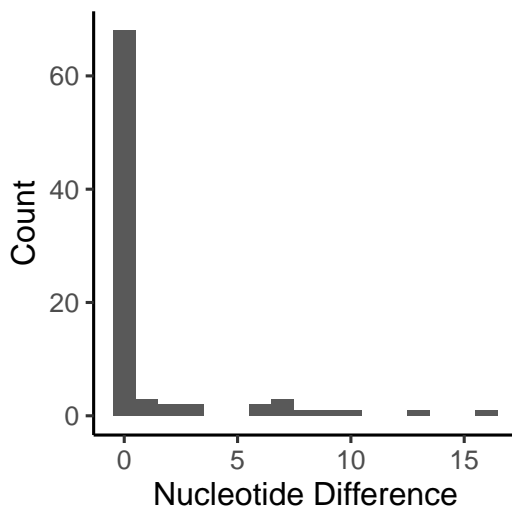
IGKV3D-20*02_C26G_A1

80 sequences assigned
49 (61.2%) exact matches, in which:
49 unique CDR3
5 unique J



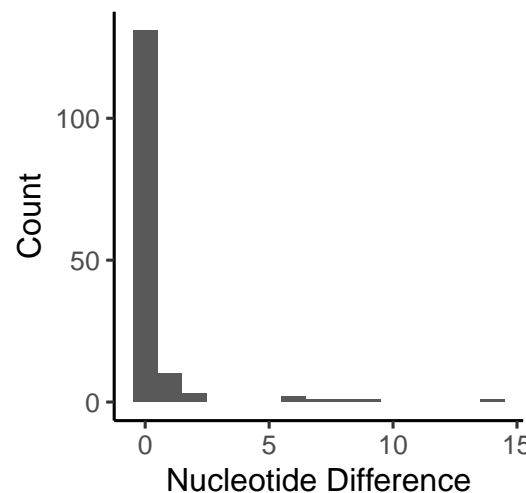
IGKV2D-29*01

86 sequences assigned
68 (79.1%) exact matches, in which:
60 unique CDR3
5 unique J



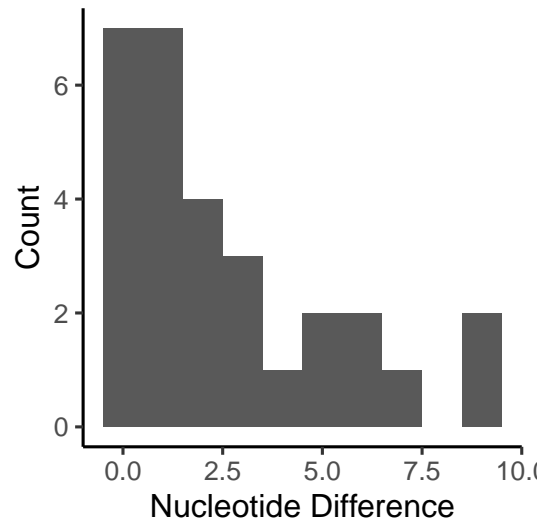
IGKV1E-12*01

150 sequences assigned
131 (87.3%) exact matches, in which:
91 unique CDR3
5 unique J



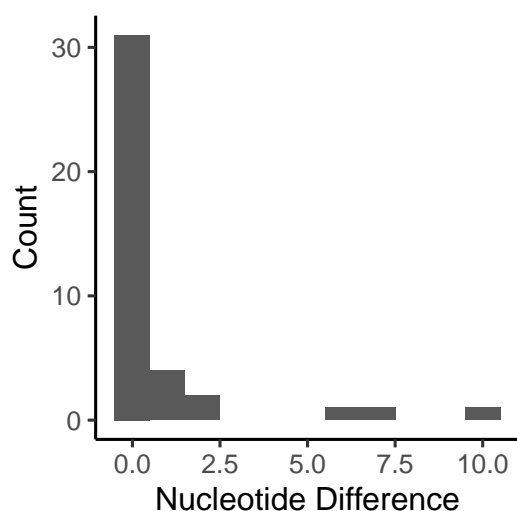
IGKV1E-12*01_T309C

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



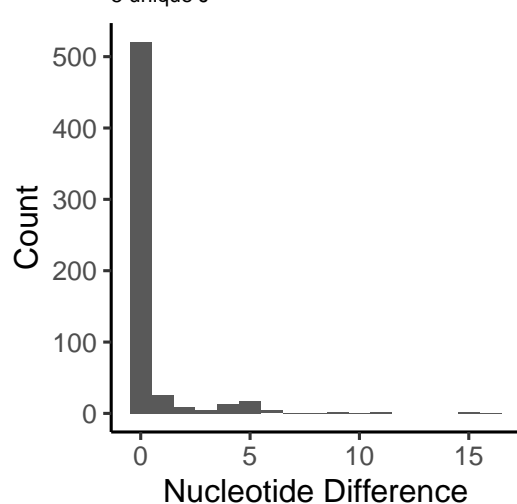
IGKV6E-21*01

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



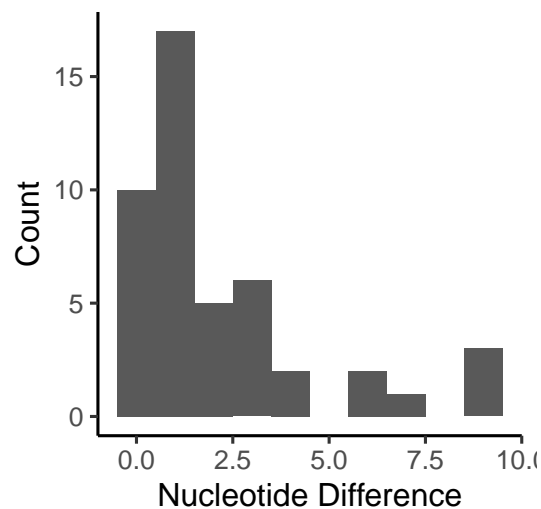
IGKV1E-33*01

606 sequences assigned
521 (86%) exact matches, in which:
380 unique CDR3
5 unique J



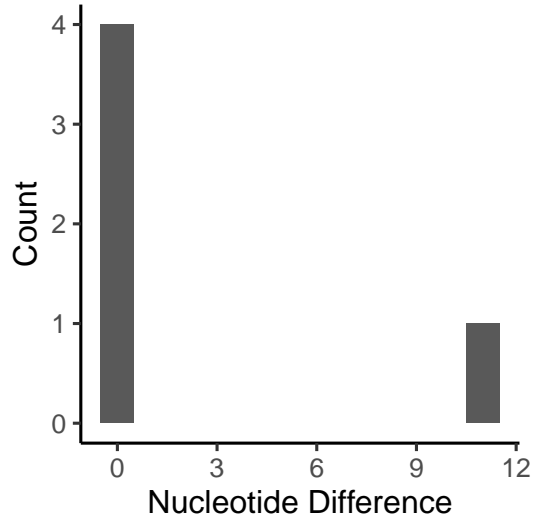
IGKV1E-12*01_T309C_T309C

46 sequences assigned
10 (21.7%) exact matches, in which:
10 unique CDR3
5 unique J



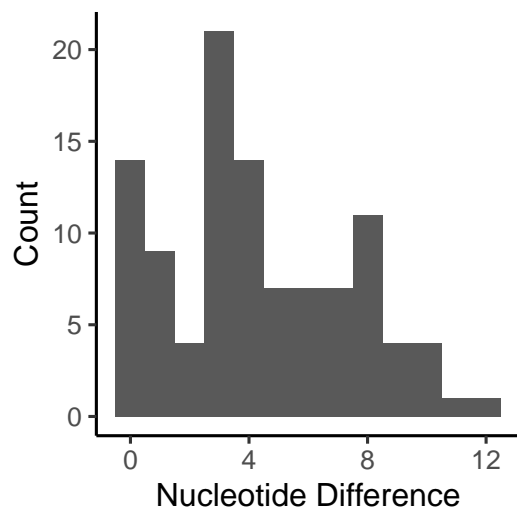
IGKV6E-21*03

6 sequences assigned
4 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



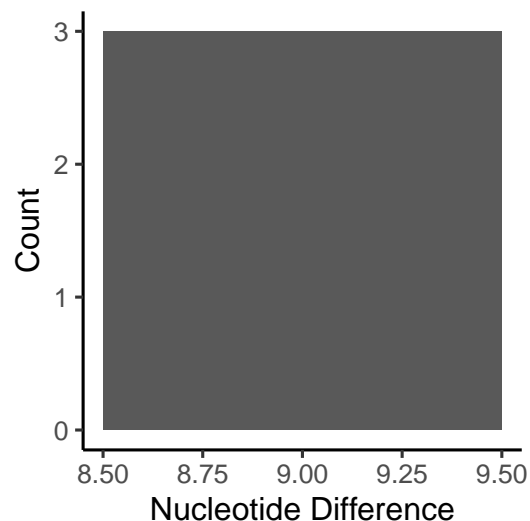
IGKV1E-33*01_A303T

104 sequences assigned
14 (13.5%) exact matches, in which:
14 unique CDR3
4 unique J



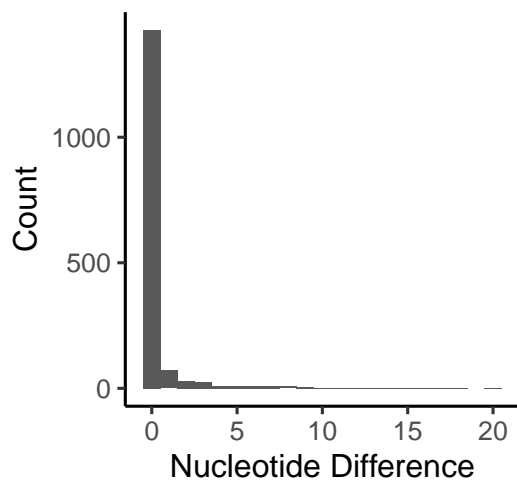
IGKV1E-13*02

3 sequences assigned
No exact matches.



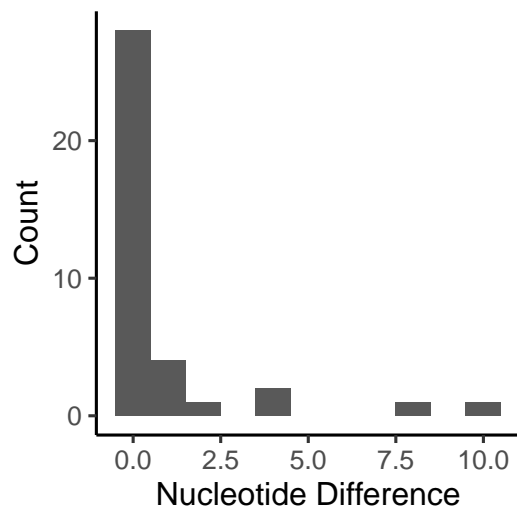
IGKV2E-28*01

1620 sequences assigned
1427 (88.1%) exact matches, in which:
941 unique CDR3
5 unique J



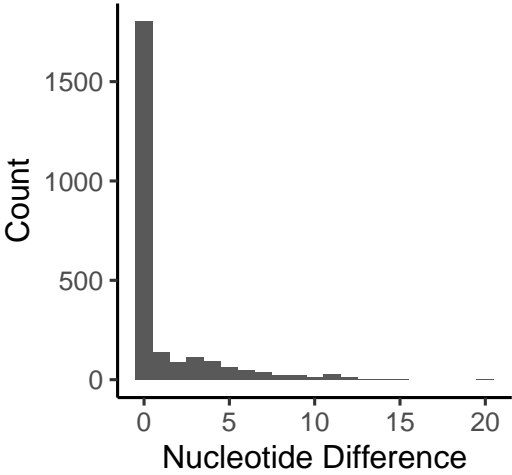
IGKV1E-37*01

37 sequences assigned
28 (75.7%) exact matches, in which:
27 unique CDR3
5 unique J



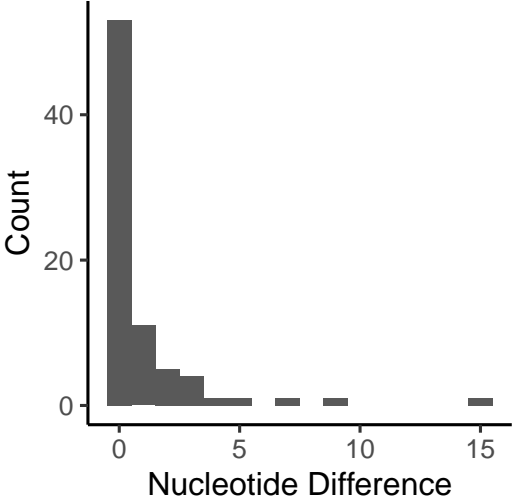
IGKV1E-39*01

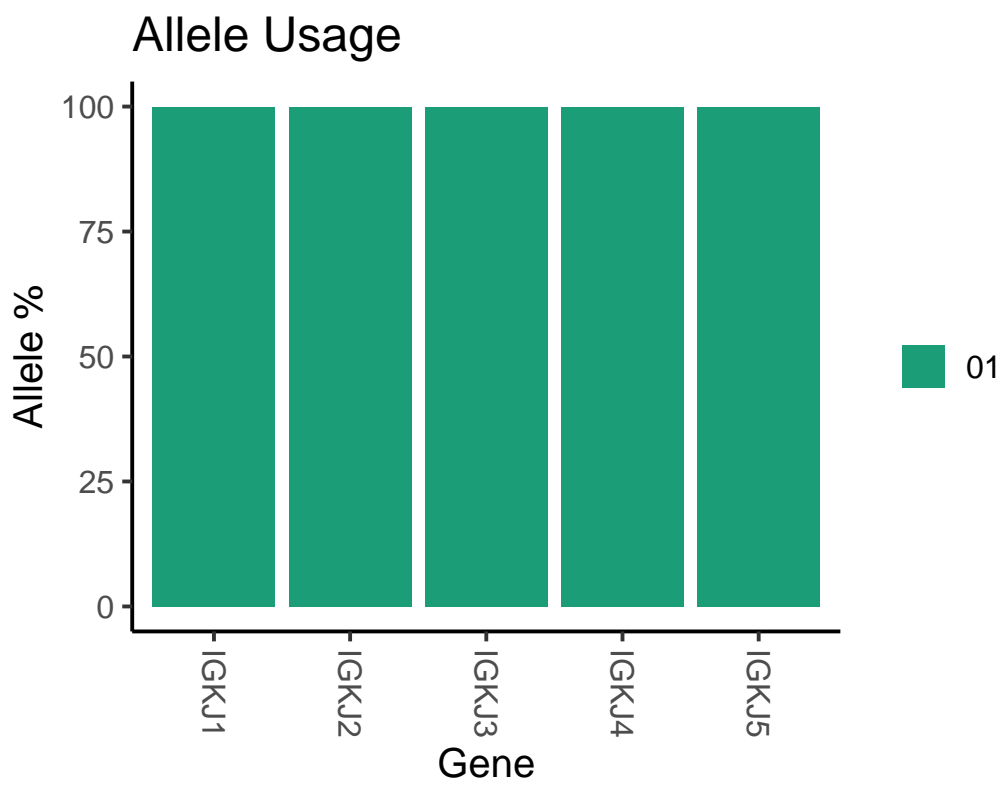
2493 sequences assigned
1803 (72.3%) exact matches, in which:
1095 unique CDR3
5 unique J



IGKV2E-40*01

78 sequences assigned
53 (67.9%) exact matches, in which:
47 unique CDR3
5 unique J





Warning – no inferred sequences found.