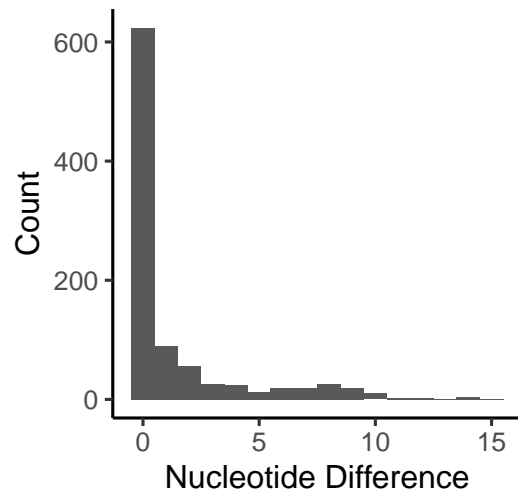


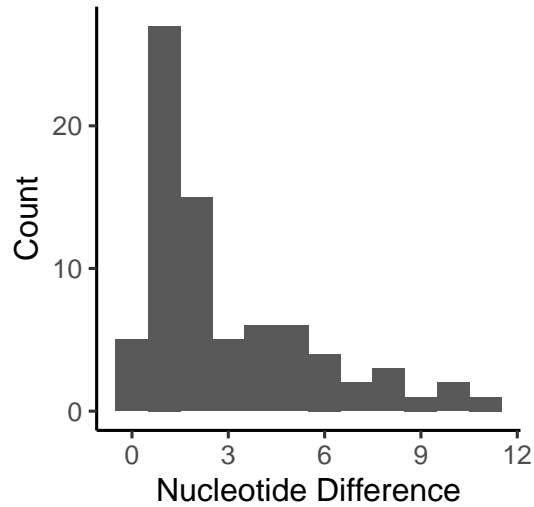
IGKV1-5*03

937 sequences assigned
624 (66.6%) exact matches, in which:
558 unique CDR3
5 unique J



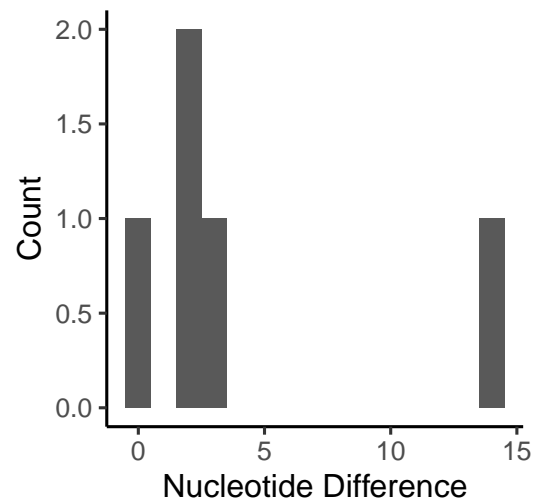
IGKV1-8*01_T277A

77 sequences assigned
5 (6.5%) exact matches, in which:
5 unique CDR3
3 unique J



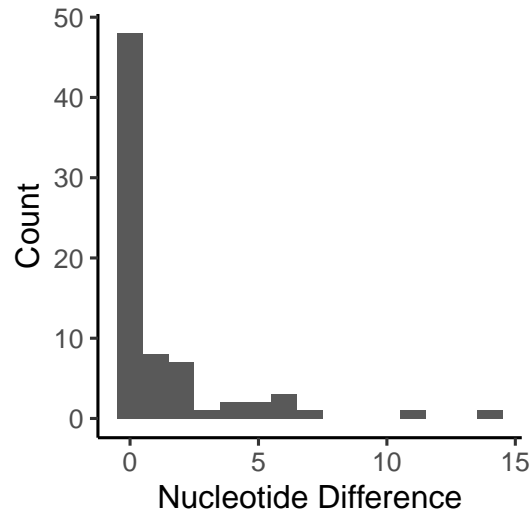
IGKV1-16*01

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



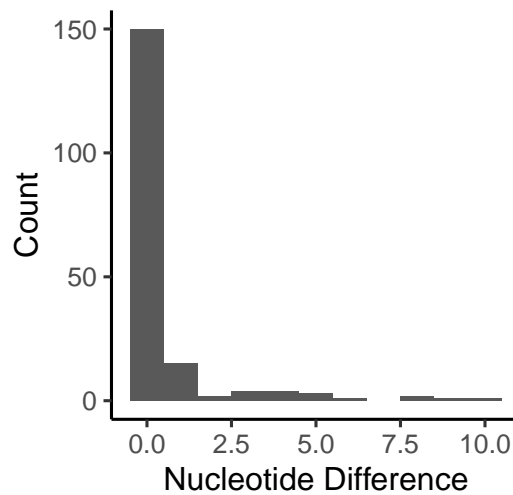
IGKV1-6*01

74 sequences assigned
48 (64.9%) exact matches, in which:
43 unique CDR3
4 unique J



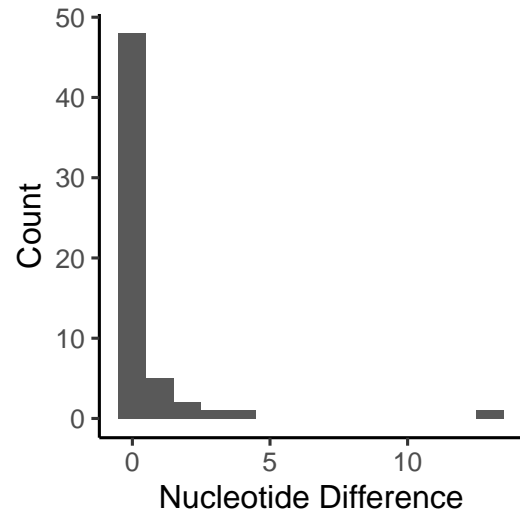
IGKV1-9*01

183 sequences assigned
150 (82%) exact matches, in which:
136 unique CDR3
5 unique J



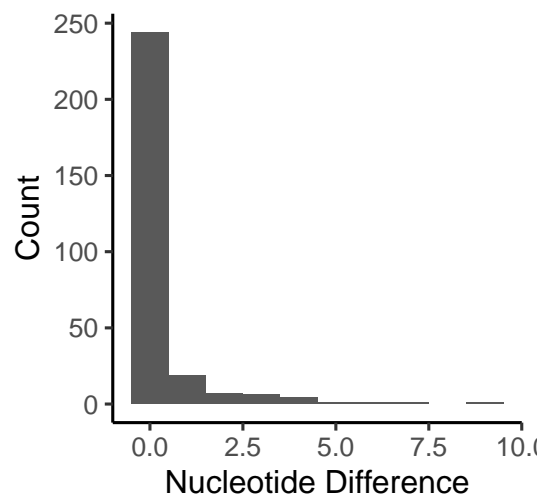
IGKV1-16*02

58 sequences assigned
48 (82.8%) exact matches, in which:
40 unique CDR3
5 unique J



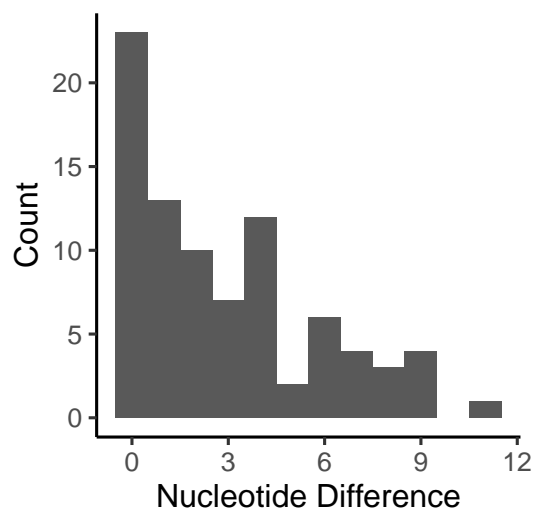
IGKV1-8*01

284 sequences assigned
244 (85.9%) exact matches, in which:
192 unique CDR3
5 unique J



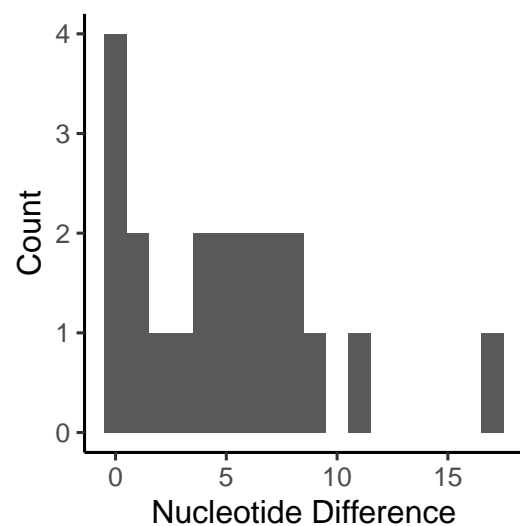
IGKV1-9*01_A270C

85 sequences assigned
23 (27.1%) exact matches, in which:
23 unique CDR3
5 unique J



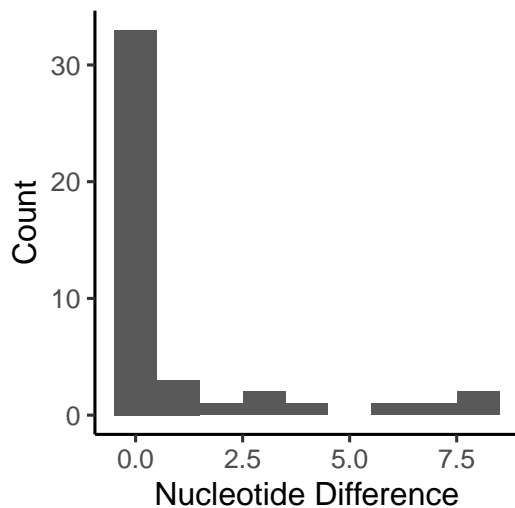
IGKV1-16*01_C312T

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



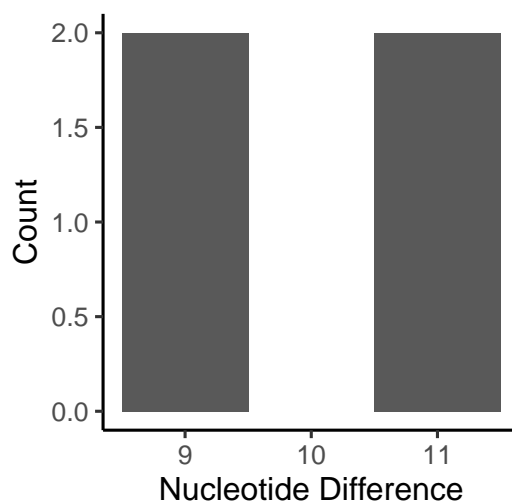
IGKV1-17*01

44 sequences assigned
33 (75%) exact matches, in which:
29 unique CDR3
5 unique J



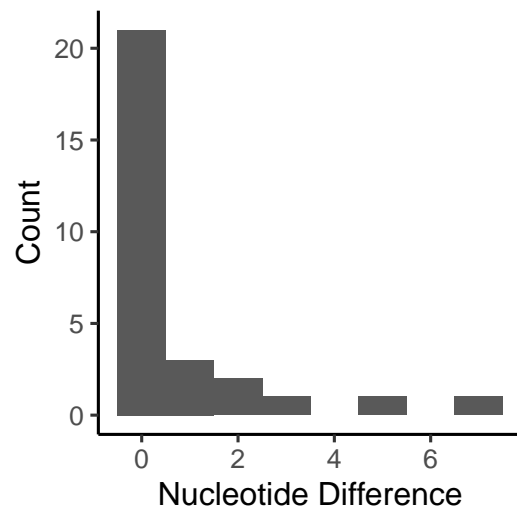
IGKV1-NL1*01

8 sequences assigned
No exact matches.



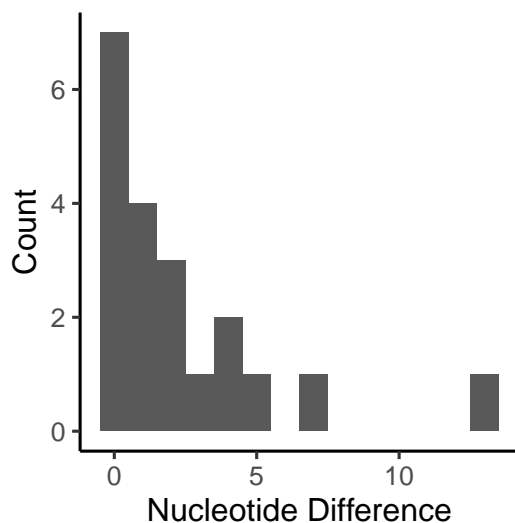
IGKV2-24*01

29 sequences assigned
21 (72.4%) exact matches, in which:
20 unique CDR3
5 unique J



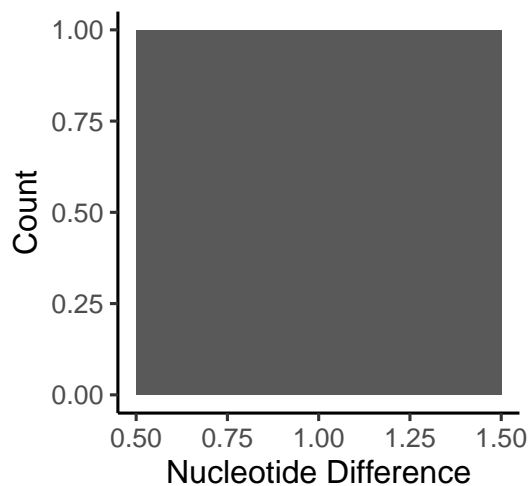
IGKV1-17*01_T314A

20 sequences assigned
7 (35%) exact matches, in which:
7 unique CDR3
3 unique J



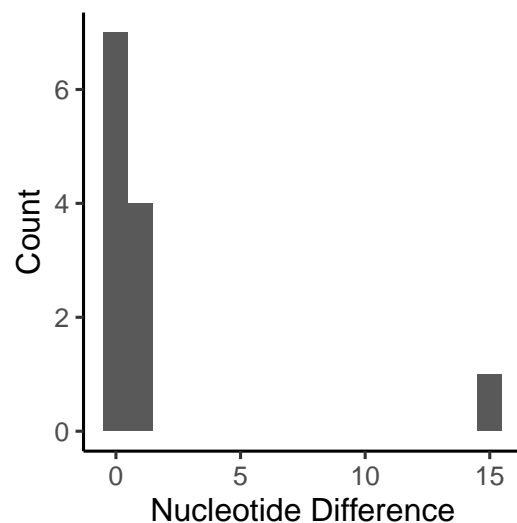
IGKV2/OR22-4*01

1 sequences assigned
No exact matches.



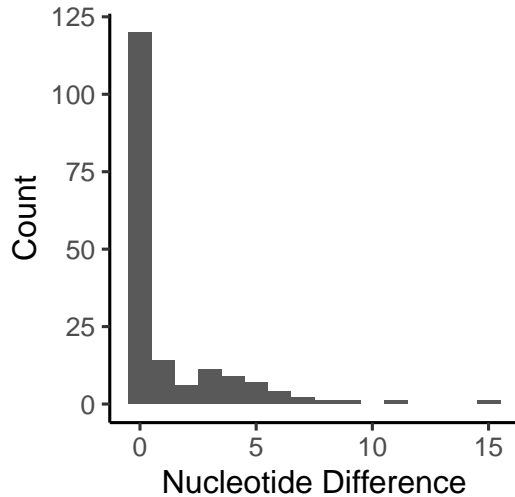
IGKV2-29*03

13 sequences assigned
7 (53.8%) exact matches, in which:
7 unique CDR3
4 unique J



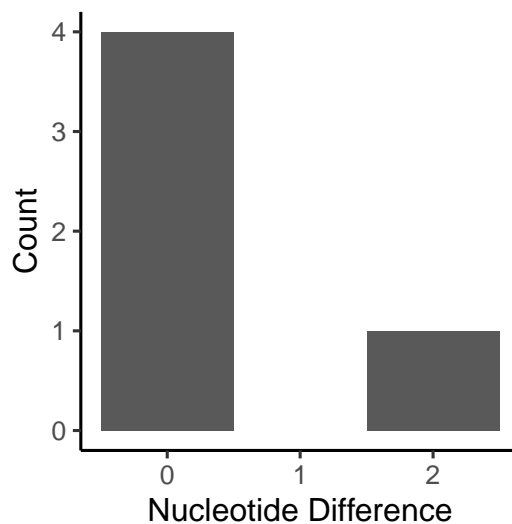
IGKV1-27*01

177 sequences assigned
120 (67.8%) exact matches, in which:
106 unique CDR3
5 unique J



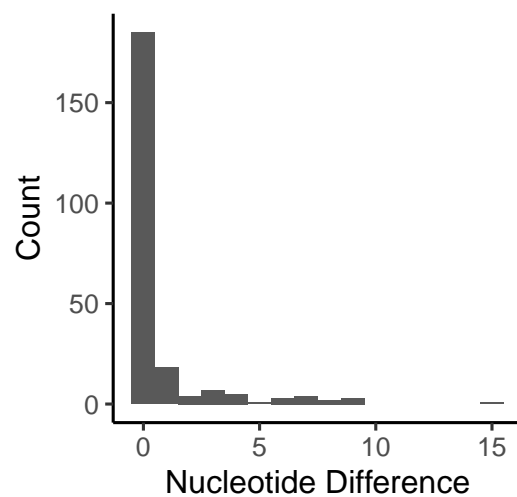
IGKV2-18*01

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



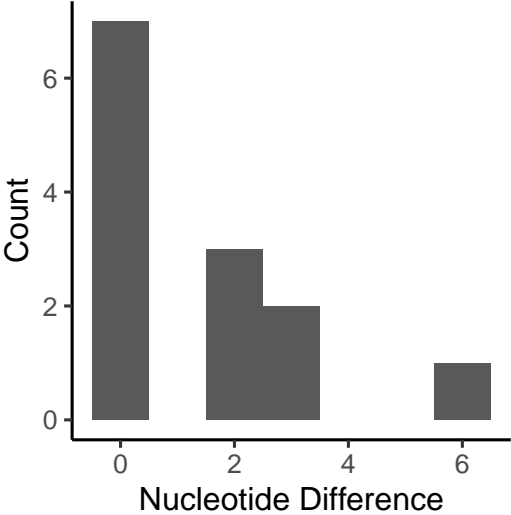
IGKV2-30*01

233 sequences assigned
185 (79.4%) exact matches, in which:
162 unique CDR3
5 unique J



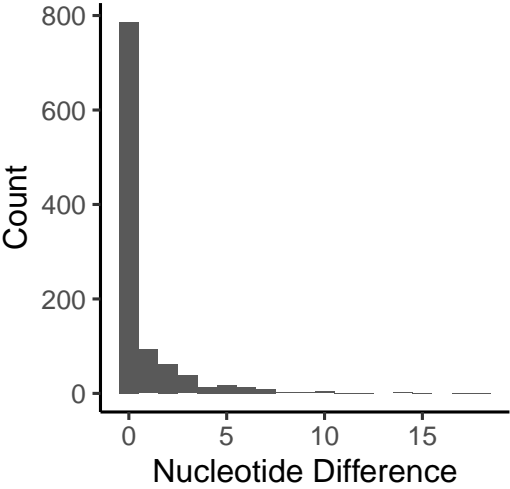
IGKV3-7*04

13 sequences assigned
7 (53.8%) exact matches, in which:
7 unique CDR3
3 unique J



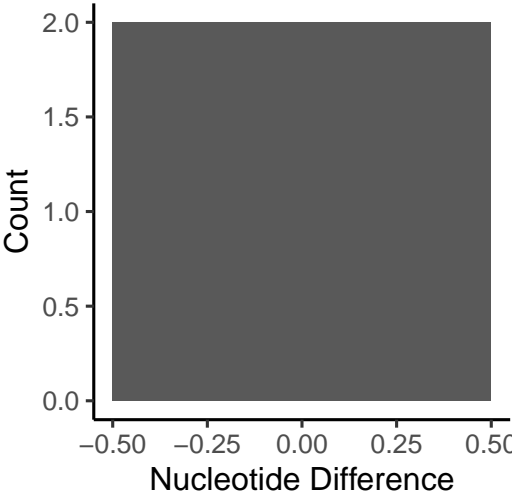
IGKV3-20*01

1049 sequences assigned
787 (75%) exact matches, in which:
620 unique CDR3
5 unique J



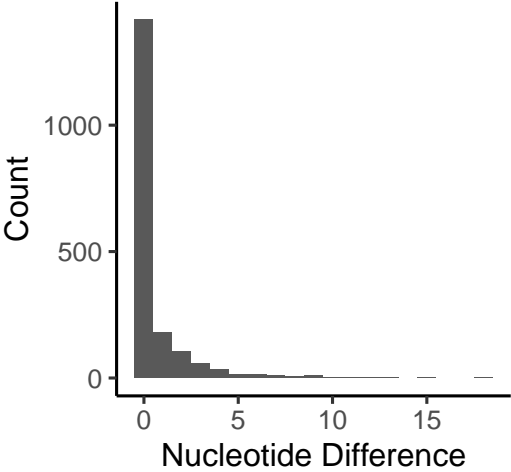
IGKV7-3*01

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



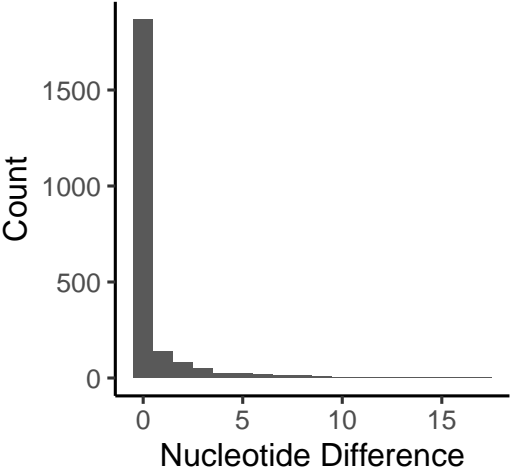
IGKV3-11*01

1857 sequences assigned
1417 (76.3%) exact matches, in which:
1005 unique CDR3
5 unique J



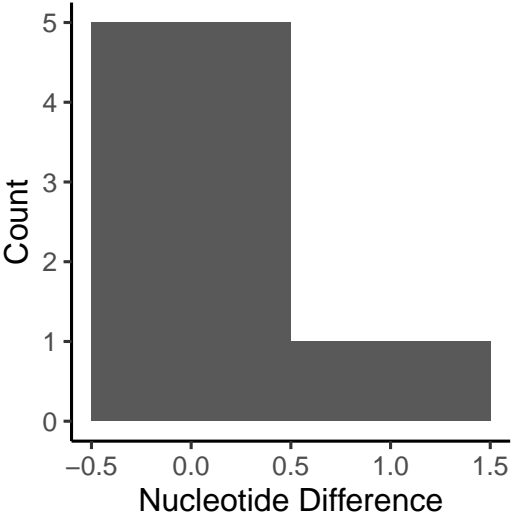
IGKV4-1*01

2259 sequences assigned
1866 (82.6%) exact matches, in which:
1001 unique CDR3
5 unique J



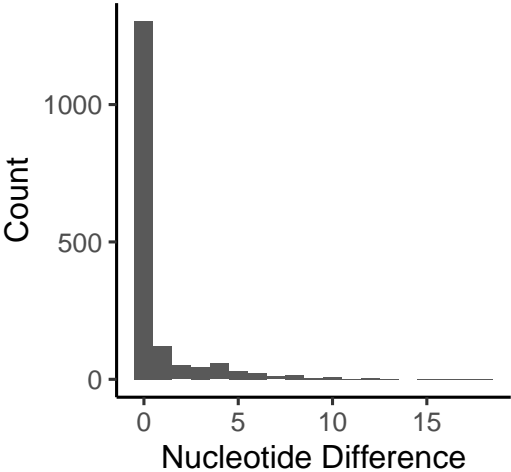
IGKV3D-7*01

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



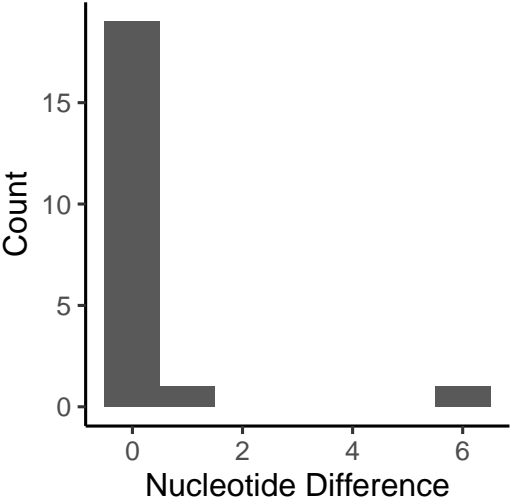
IGKV3-15*01

1690 sequences assigned
1304 (77.2%) exact matches, in which:
927 unique CDR3
5 unique J



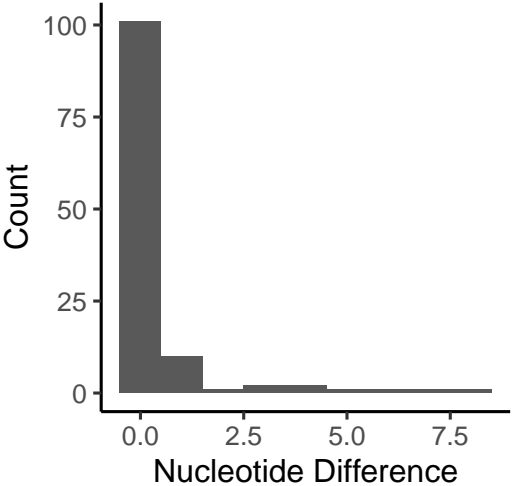
IGKV5-2*01

21 sequences assigned
19 (90.5%) exact matches, in which:
19 unique CDR3
4 unique J



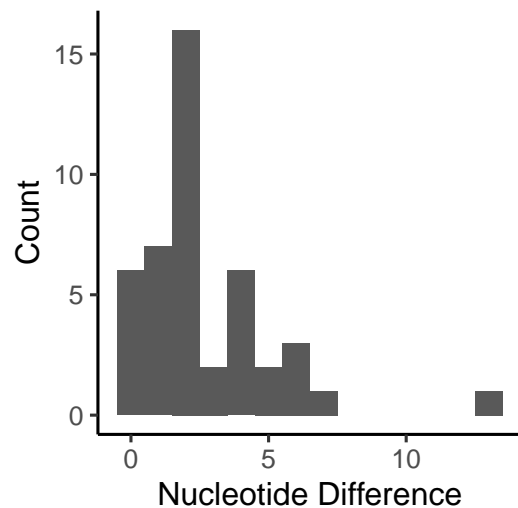
IGKV1D-8*01

120 sequences assigned
101 (84.2%) exact matches, in which:
80 unique CDR3
5 unique J



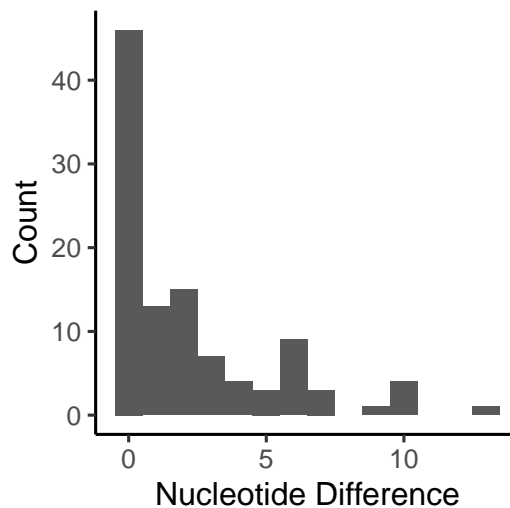
IGKV1D-8*03

44 sequences assigned
6 (13.6%) exact matches, in which:
6 unique CDR3
2 unique J



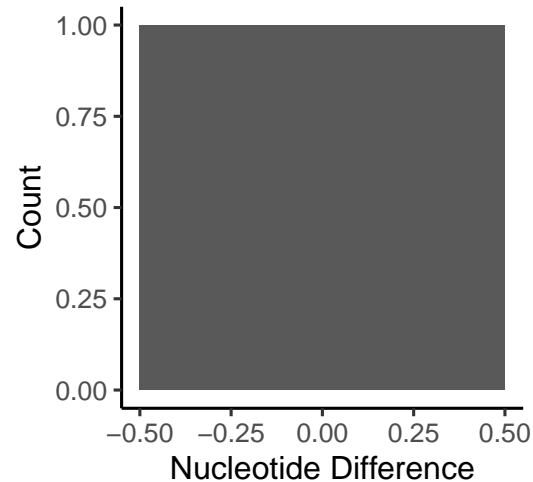
IGKV3D-15*01

106 sequences assigned
46 (43.4%) exact matches, in which:
45 unique CDR3
5 unique J



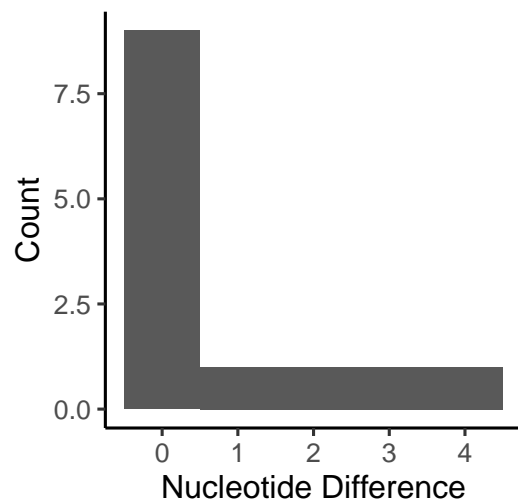
IGKV1D-17*01

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



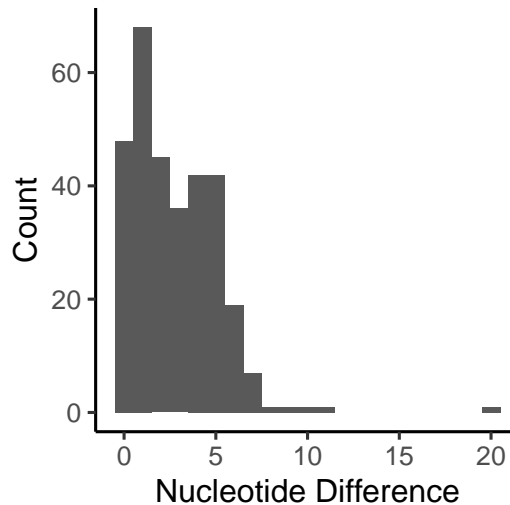
IGKV3D-11*02

13 sequences assigned
9 (69.2%) exact matches, in which:
8 unique CDR3
4 unique J



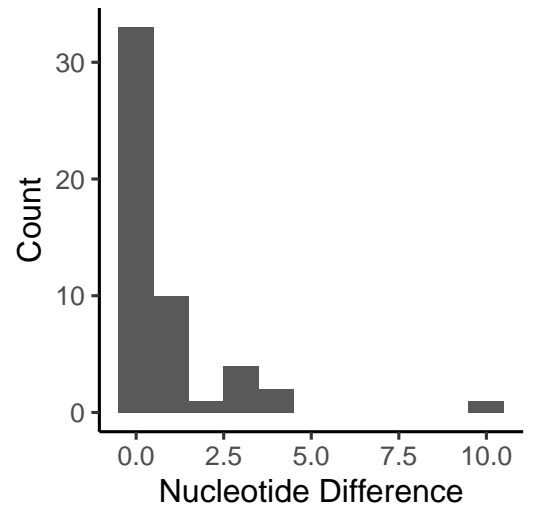
IGKV3D-15*01_G258C_C

312 sequences assigned
48 (15.4%) exact matches, in which:
48 unique CDR3
5 unique J



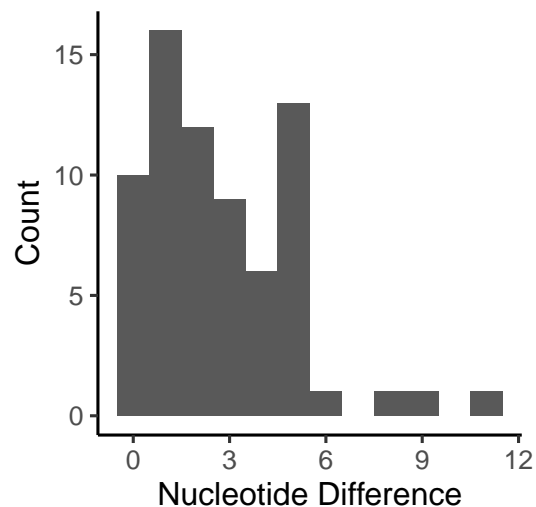
IGKV3D-20*01

51 sequences assigned
33 (64.7%) exact matches, in which:
32 unique CDR3
5 unique J



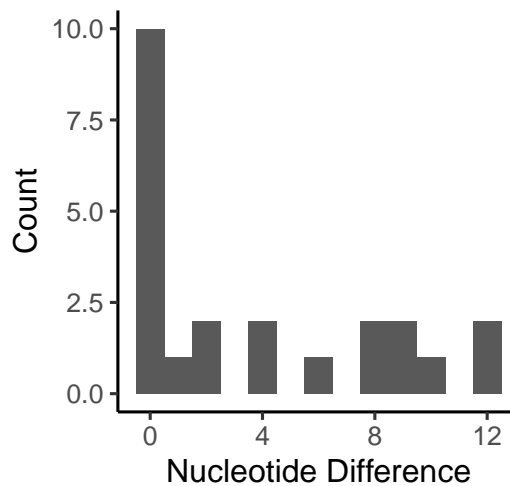
IGKV3D-11*02_C247T

70 sequences assigned
10 (14.3%) exact matches, in which:
10 unique CDR3
4 unique J



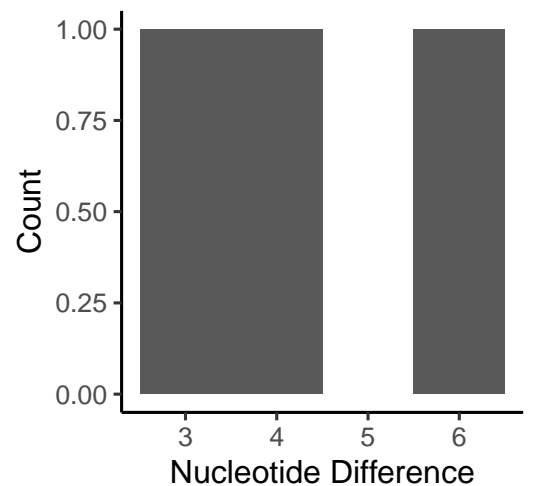
IGKV1D-16*01

23 sequences assigned
10 (43.5%) exact matches, in which:
10 unique CDR3
4 unique J



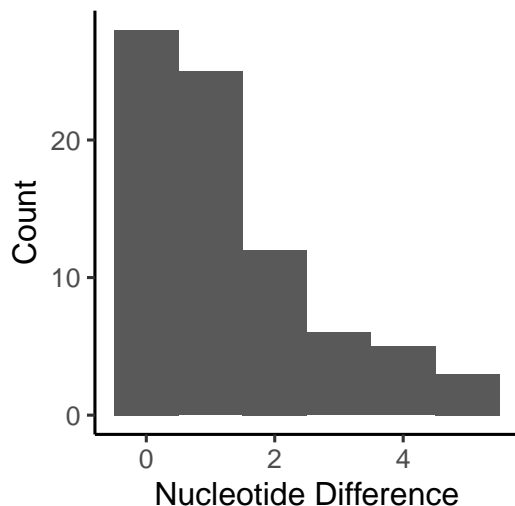
IGKV3D-20*02

3 sequences assigned
No exact matches.



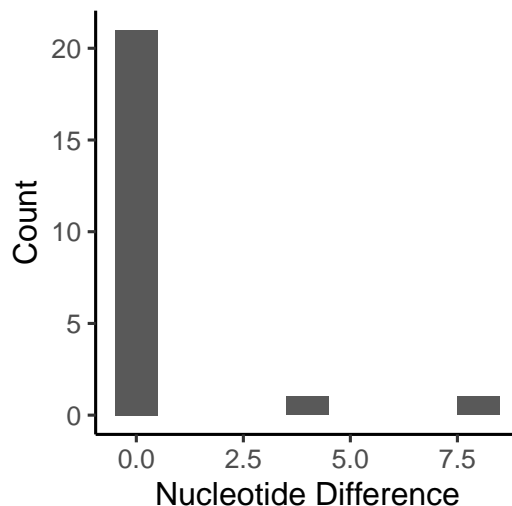
IGKV3D-20*02_C26G_A1

79 sequences assigned
28 (35.4%) exact matches, in which:
28 unique CDR3
4 unique J



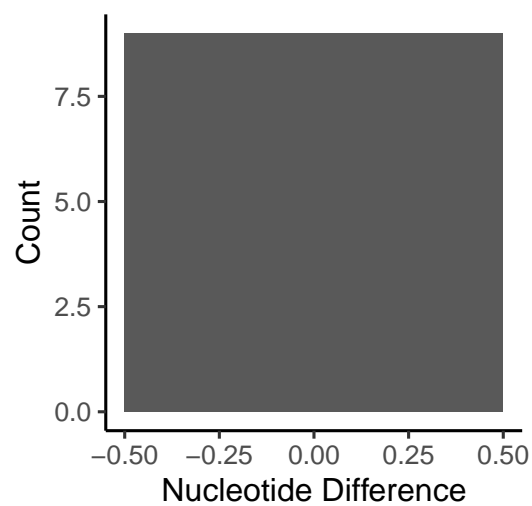
IGKV2D-30*01

23 sequences assigned
21 (91.3%) exact matches, in which:
20 unique CDR3
5 unique J



IGKV1E-12*02

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



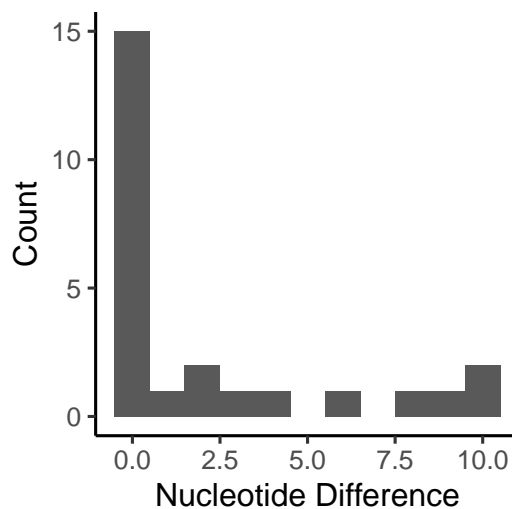
IGKV2D-26*03

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



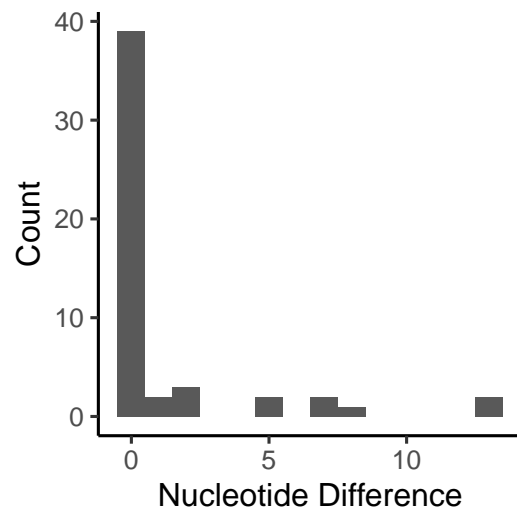
IGKV1D-43*01

25 sequences assigned
15 (60%) exact matches, in which:
15 unique CDR3
5 unique J



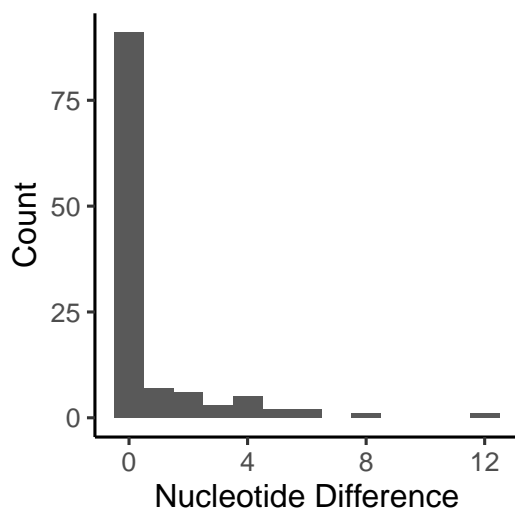
IGKV1E-12*03

51 sequences assigned
39 (76.5%) exact matches, in which:
34 unique CDR3
5 unique J



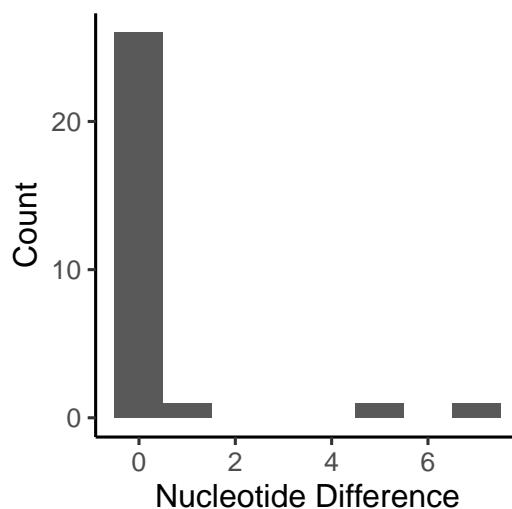
IGKV2D-29*01

118 sequences assigned
91 (77.1%) exact matches, in which:
86 unique CDR3
5 unique J



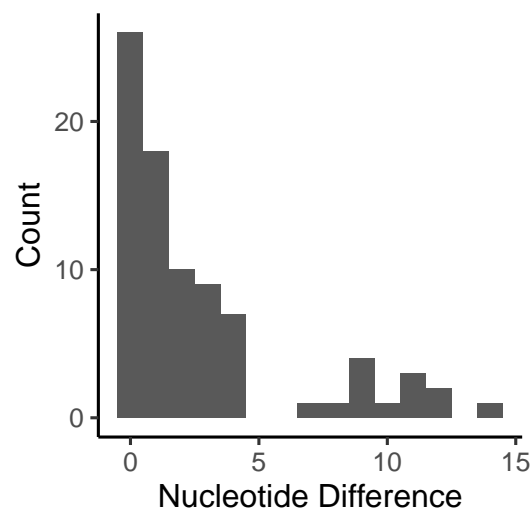
IGKV1E-12*01

29 sequences assigned
26 (89.7%) exact matches, in which:
15 unique CDR3
4 unique J



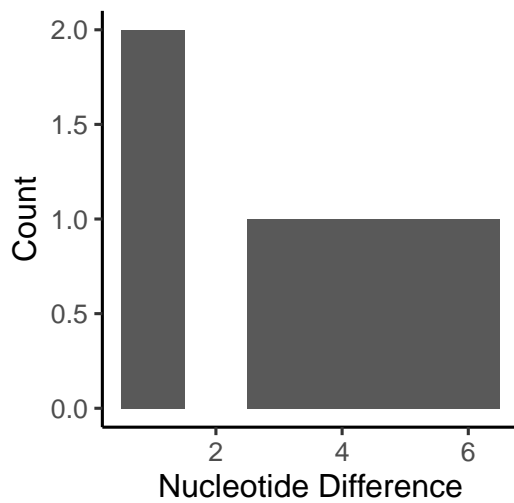
IGKV1E-12*01_T309C

83 sequences assigned
26 (31.3%) exact matches, in which:
25 unique CDR3
4 unique J



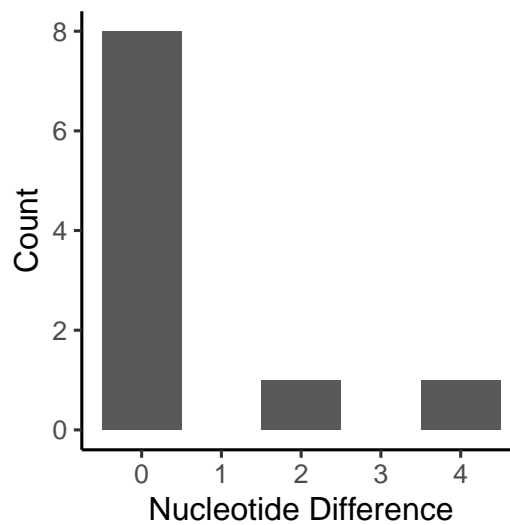
IGKV1E-13*02

6 sequences assigned
No exact matches.



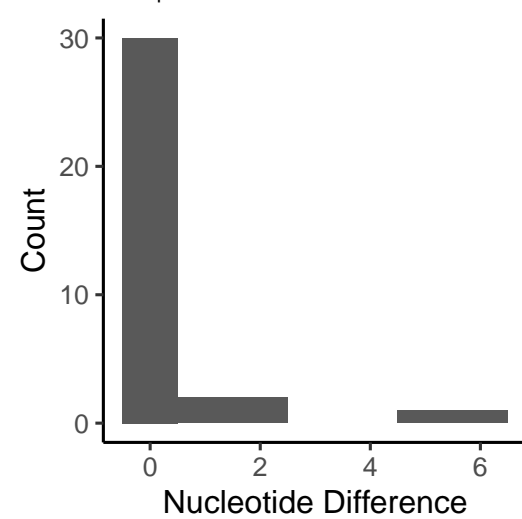
IGKV6E-21*03

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
2 unique J



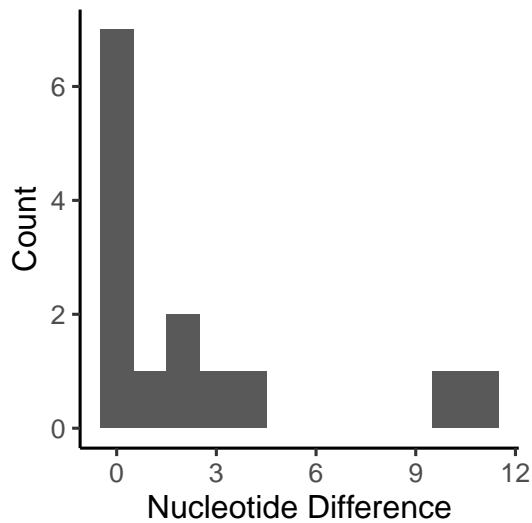
IGKV1E-37*01

36 sequences assigned
30 (83.3%) exact matches, in which:
30 unique CDR3
5 unique J



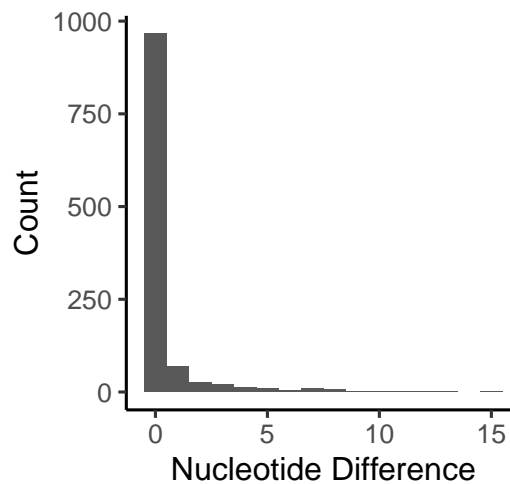
IGKV1E-13*03

14 sequences assigned
7 (50%) exact matches, in which:
6 unique CDR3
2 unique J



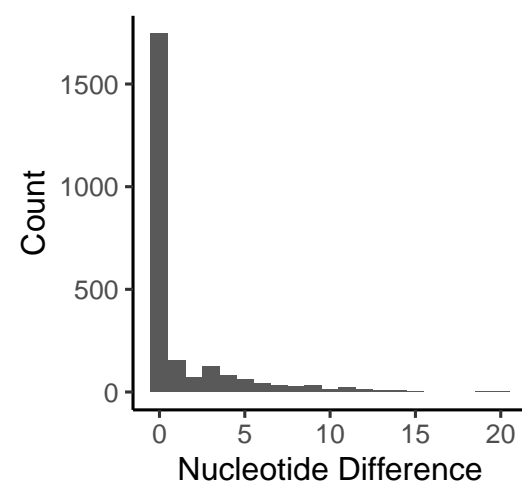
IGKV2E-28*01

1136 sequences assigned
966 (85%) exact matches, in which:
639 unique CDR3
5 unique J



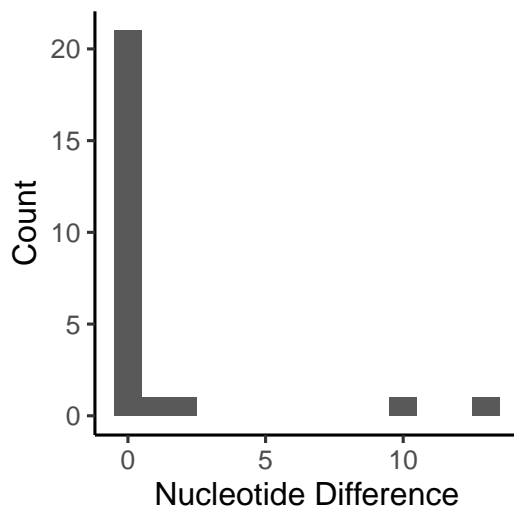
IGKV1E-39*01

2442 sequences assigned
1745 (71.5%) exact matches, in which:
1079 unique CDR3
5 unique J



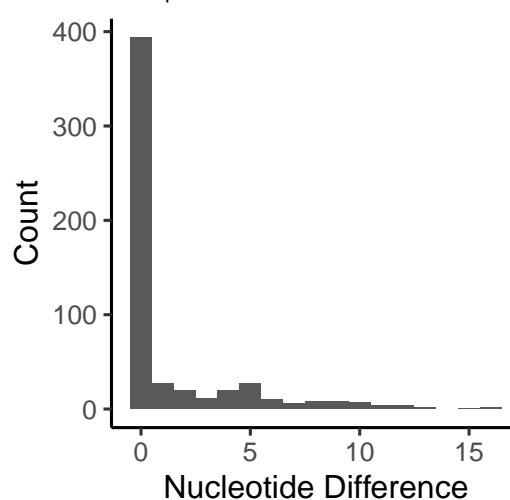
IGKV6E-21*01

25 sequences assigned
21 (84%) exact matches, in which:
19 unique CDR3
5 unique J



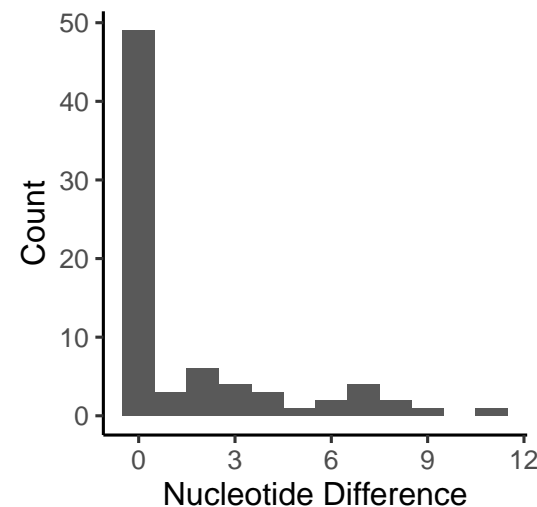
IGKV1E-33*01

551 sequences assigned
394 (71.5%) exact matches, in which:
298 unique CDR3
5 unique J



IGKV2E-40*01

77 sequences assigned
49 (63.6%) exact matches, in which:
42 unique CDR3
5 unique J





Warning – no inferred sequences found.