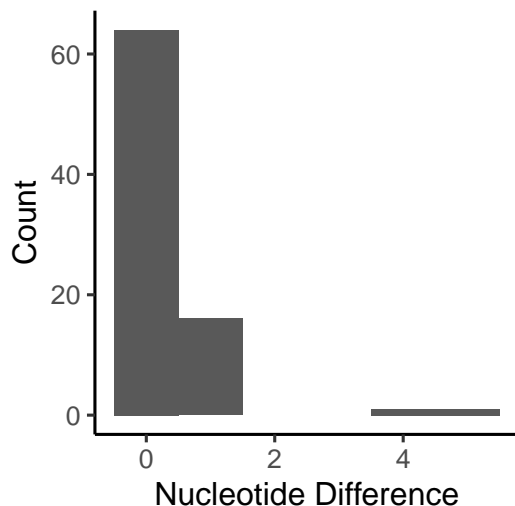


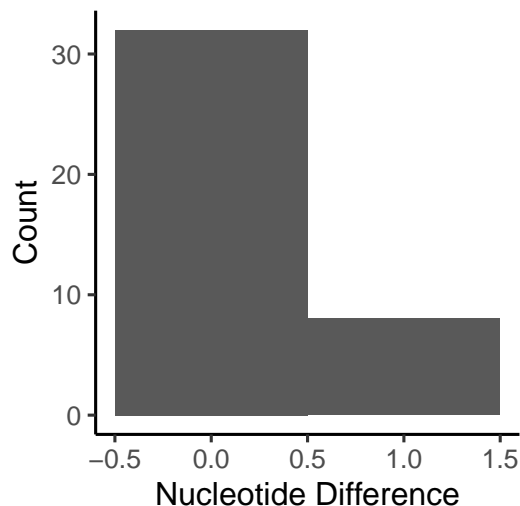
IGKV1-5*03

82 sequences assigned
64 (78%) exact matches, in which:
62 unique CDR3
5 unique J



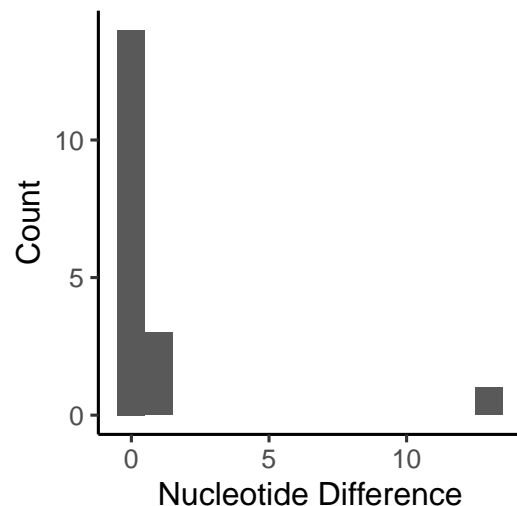
IGKV1-8*01

40 sequences assigned
32 (80%) exact matches, in which:
30 unique CDR3
5 unique J



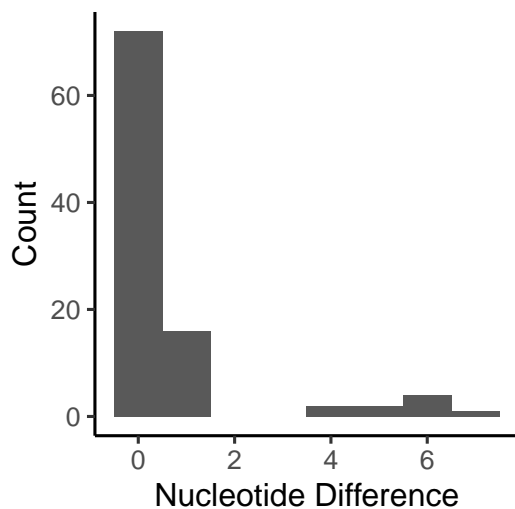
IGKV1-16*02

18 sequences assigned
14 (77.8%) exact matches, in which:
14 unique CDR3
5 unique J



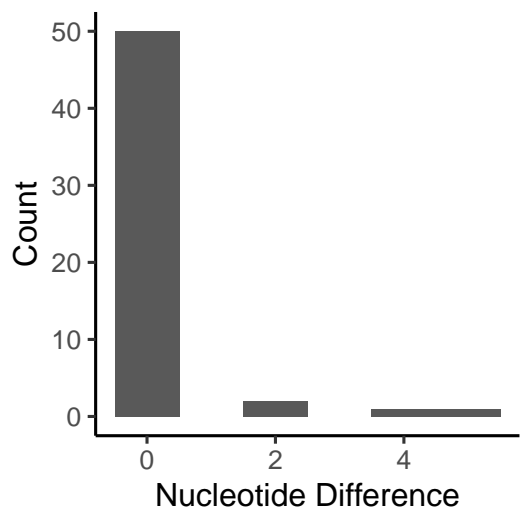
IGKV1-5*03_A144C

97 sequences assigned
72 (74.2%) exact matches, in which:
66 unique CDR3
5 unique J



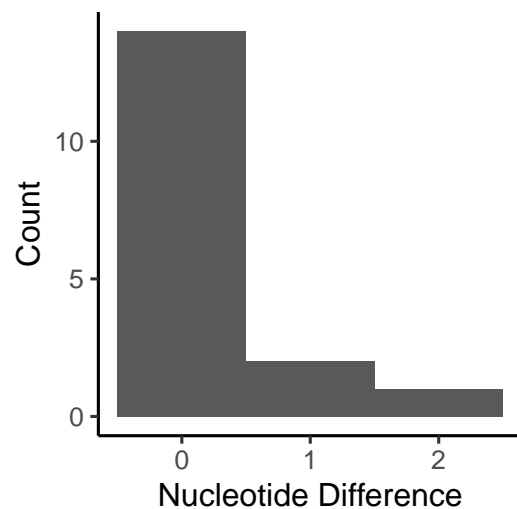
IGKV1-9*01

54 sequences assigned
50 (92.6%) exact matches, in which:
47 unique CDR3
5 unique J



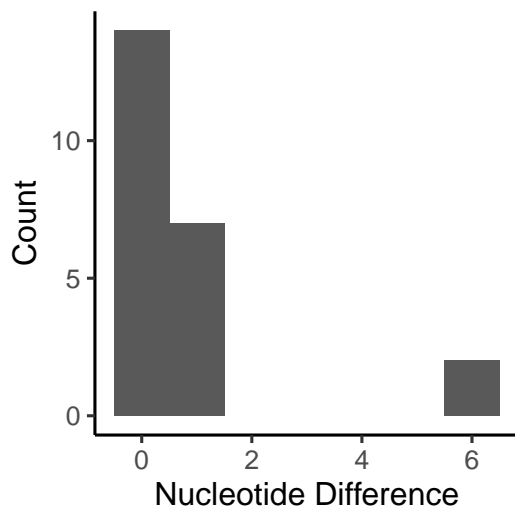
IGKV1-17*01

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



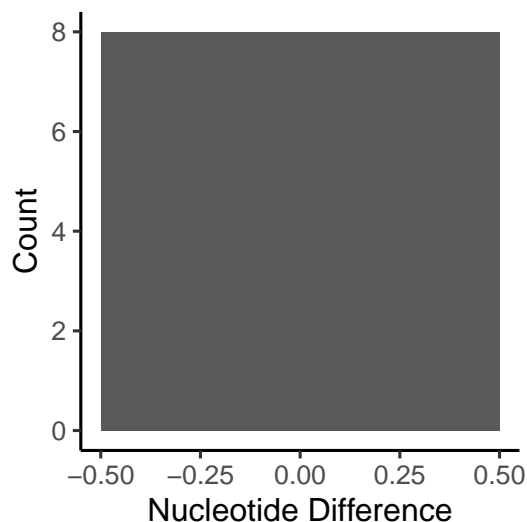
IGKV1-6*01

23 sequences assigned
14 (60.9%) exact matches, in which:
12 unique CDR3
4 unique J



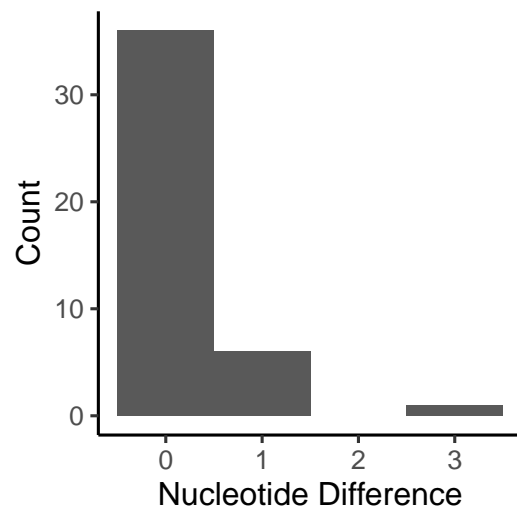
IGKV1-9*01_A229C

8 sequences assigned
8 (100%) exact matches, in which:
8 unique CDR3
4 unique J



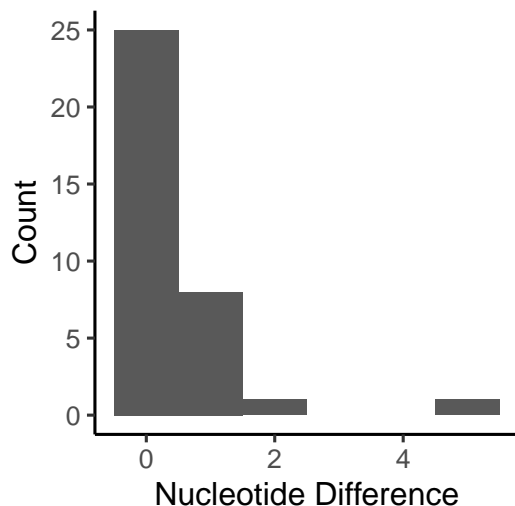
IGKV1-27*01

43 sequences assigned
36 (83.7%) exact matches, in which:
31 unique CDR3
5 unique J



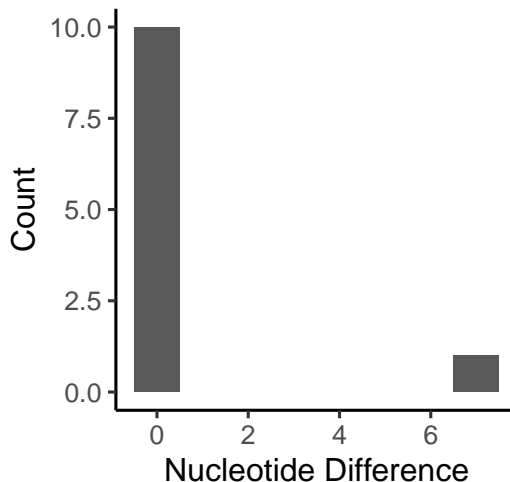
IGKV1–NL1*01

35 sequences assigned
25 (71.4%) exact matches, in which:
24 unique CDR3
5 unique J



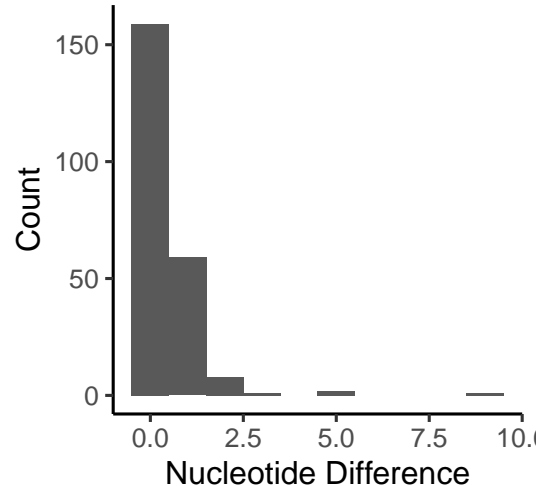
IGKV2–24*01

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



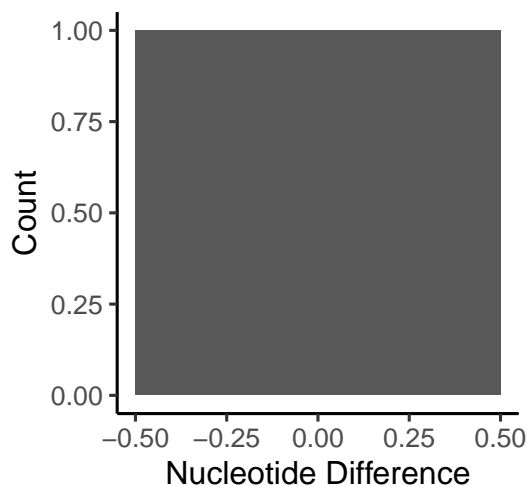
IGKV3–11*01

230 sequences assigned
159 (69.1%) exact matches, in which:
141 unique CDR3
5 unique J



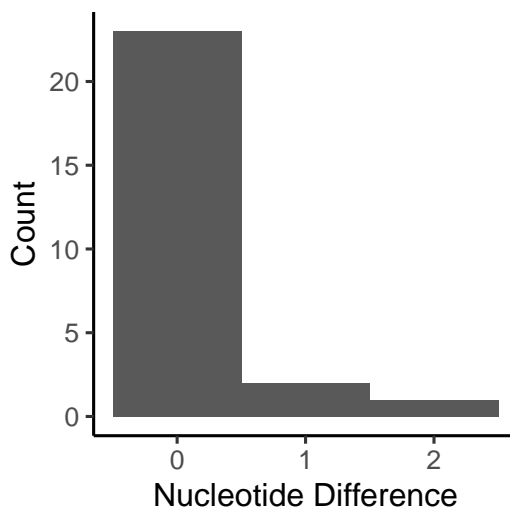
IGKV2–4*01

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



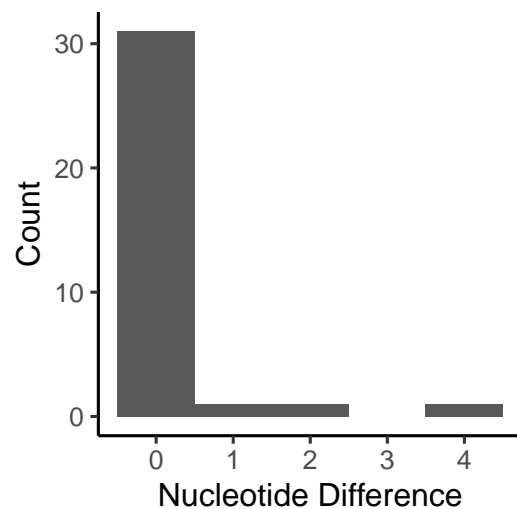
IGKV2–30*01

26 sequences assigned
23 (88.5%) exact matches, in which:
21 unique CDR3
5 unique J



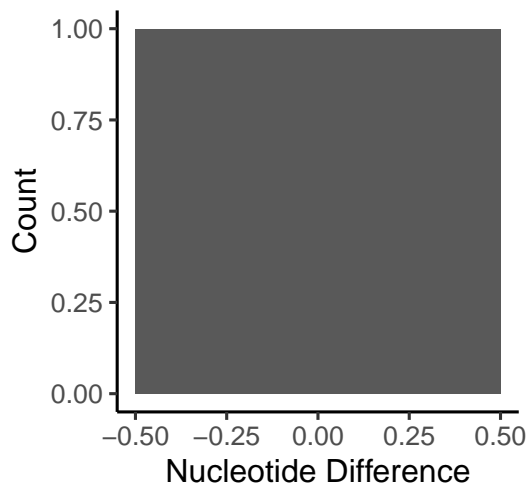
IGKV3–11*01_A223C

34 sequences assigned
31 (91.2%) exact matches, in which:
31 unique CDR3
5 unique J



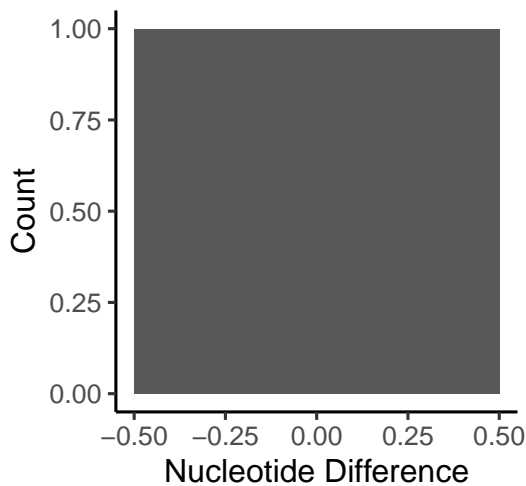
IGKV2–18*01

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



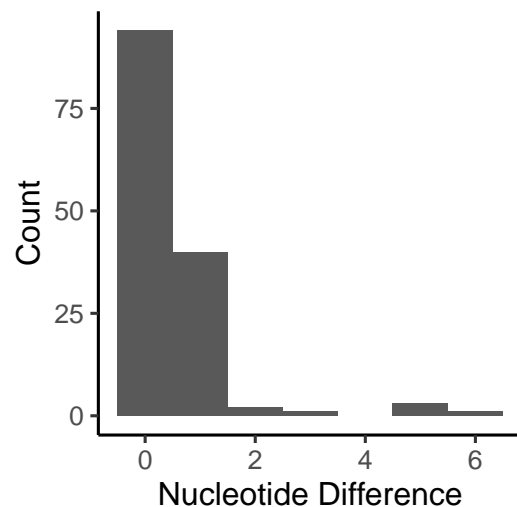
IGKV3–7*04

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



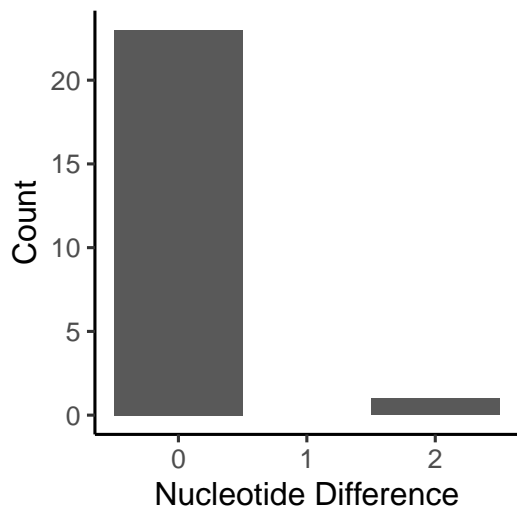
IGKV3–15*01

141 sequences assigned
94 (66.7%) exact matches, in which:
79 unique CDR3
5 unique J



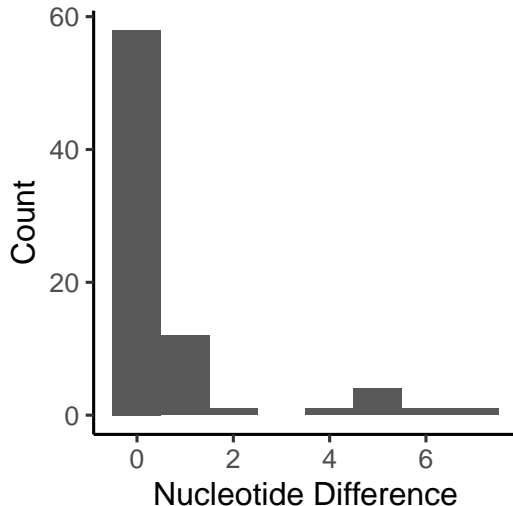
IGKV3-15*01_A223C

24 sequences assigned
23 (95.8%) exact matches, in which:
23 unique CDR3
4 unique J



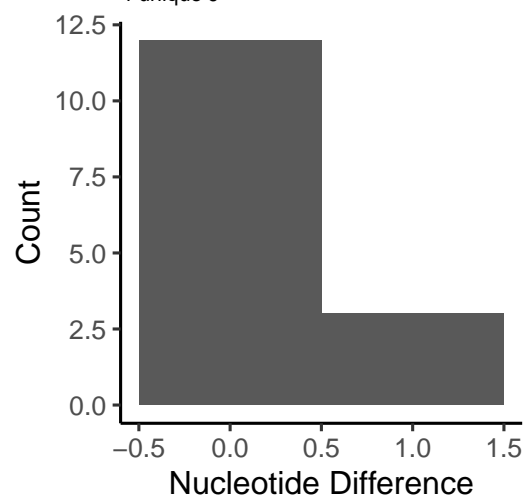
IGKV4-1*01_G72A

78 sequences assigned
58 (74.4%) exact matches, in which:
51 unique CDR3
5 unique J



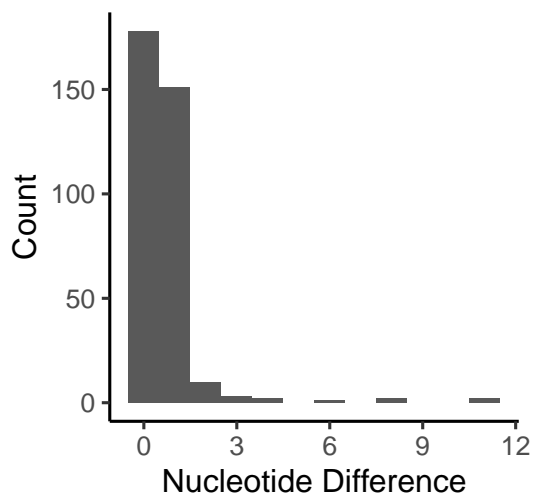
IGKV1D-8*02

15 sequences assigned
12 (80%) exact matches, in which:
11 unique CDR3
4 unique J



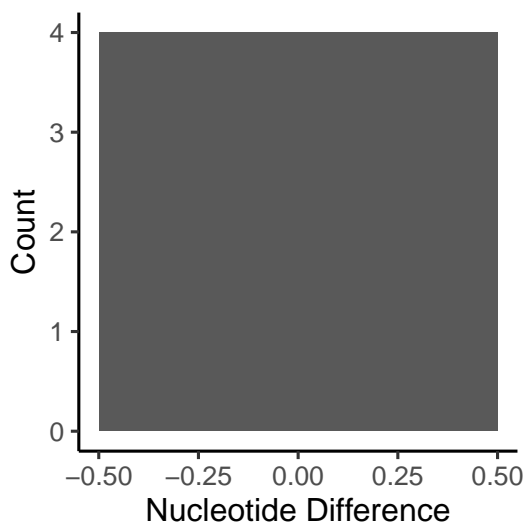
IGKV3-20*01

349 sequences assigned
178 (51%) exact matches, in which:
143 unique CDR3
5 unique J



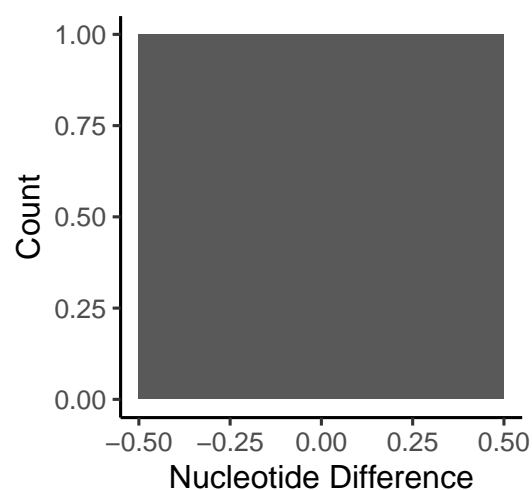
IGKV5-2*01

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



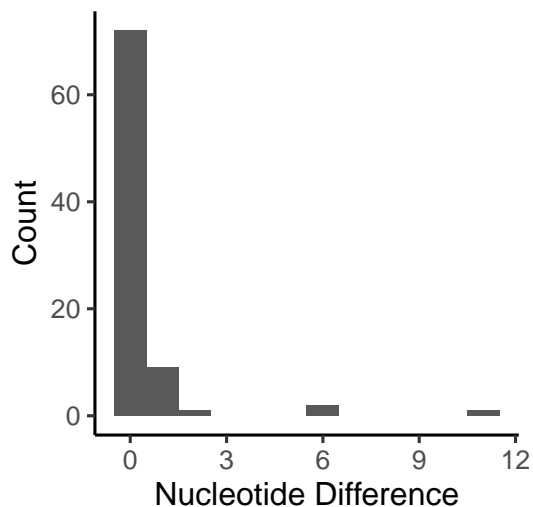
IGKV3D-11*02

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



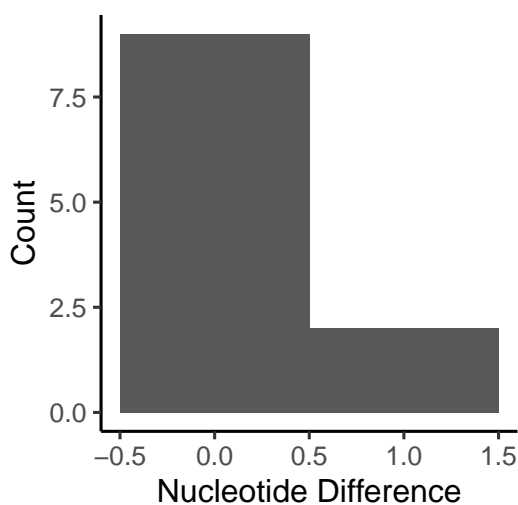
IGKV4-1*01

85 sequences assigned
72 (84.7%) exact matches, in which:
68 unique CDR3
5 unique J



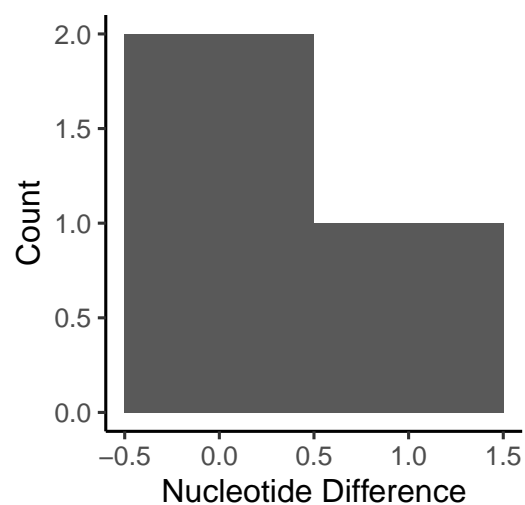
IGKV1D-8*01

11 sequences assigned
9 (81.8%) exact matches, in which:
7 unique CDR3
4 unique J



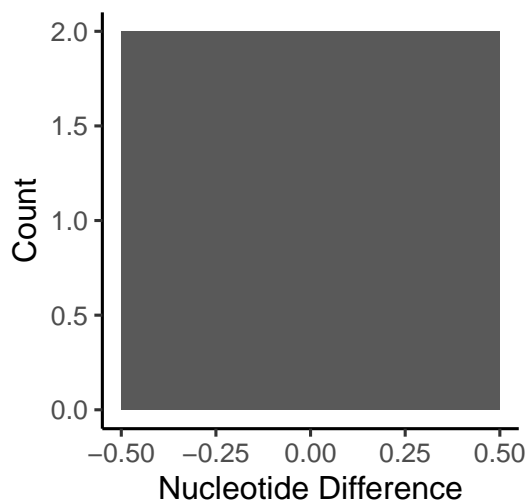
IGKV3D-15*01

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



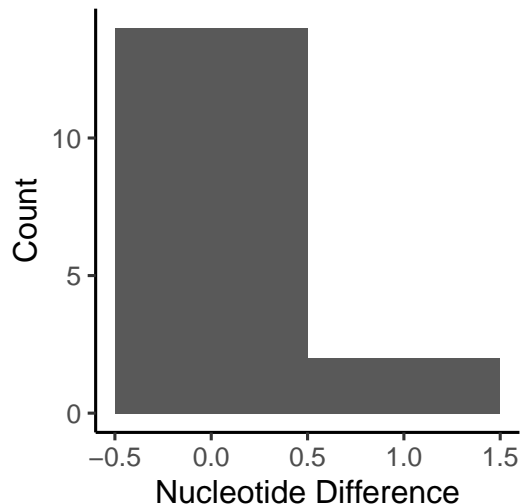
IGKV3D-15*03

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



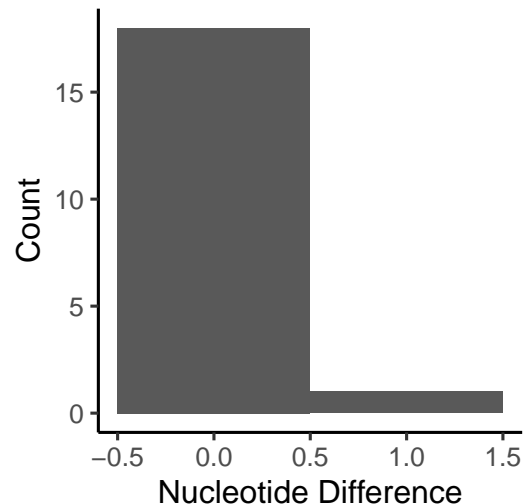
IGKV2D-29*01

16 sequences assigned
14 (87.5%) exact matches, in which:
14 unique CDR3
5 unique J



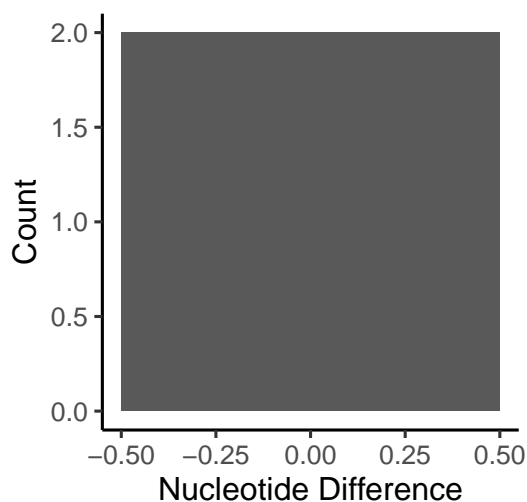
IGKV1E-12*01

19 sequences assigned
18 (94.7%) exact matches, in which:
12 unique CDR3
5 unique J



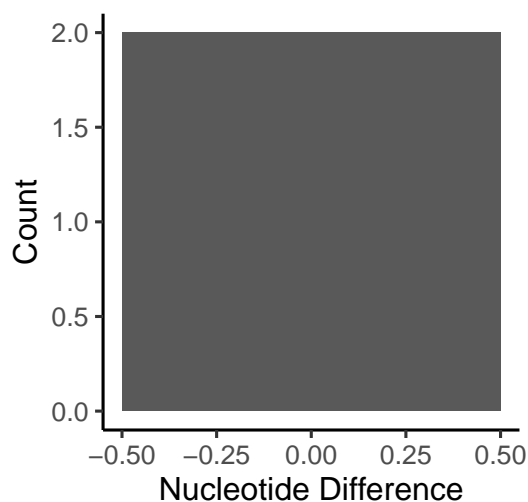
IGKV1D-16*01

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



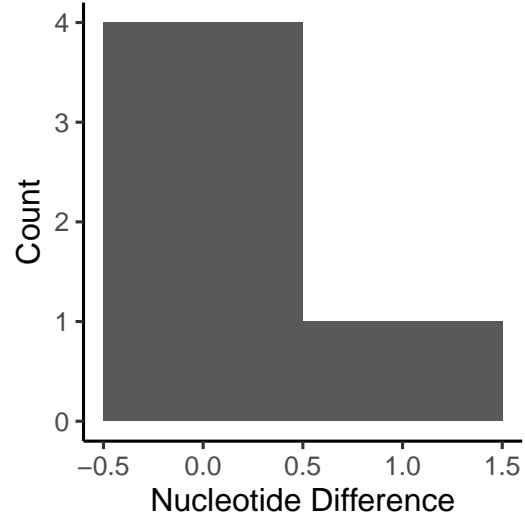
IGKV2D-30*01

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



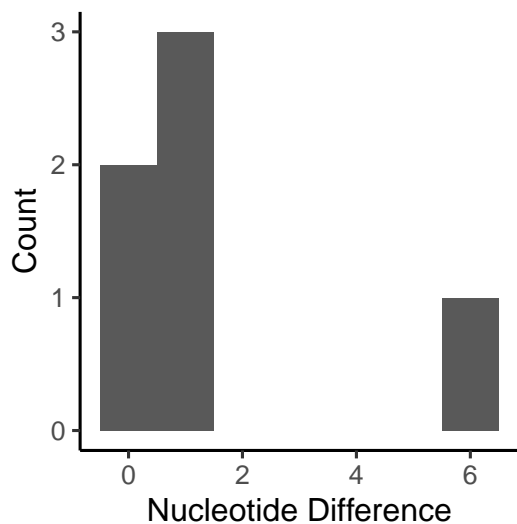
IGKV1E-12*02

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



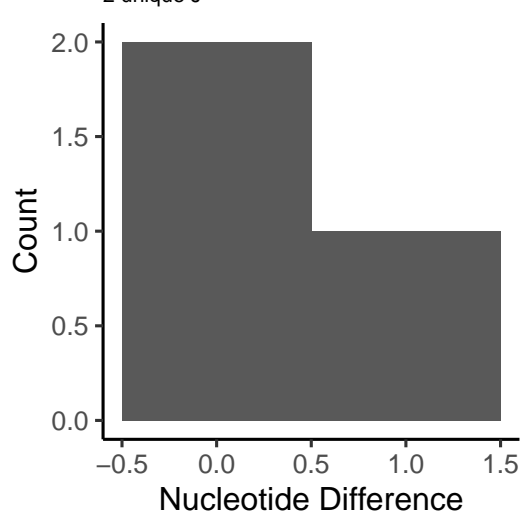
IGKV3D-20*01

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



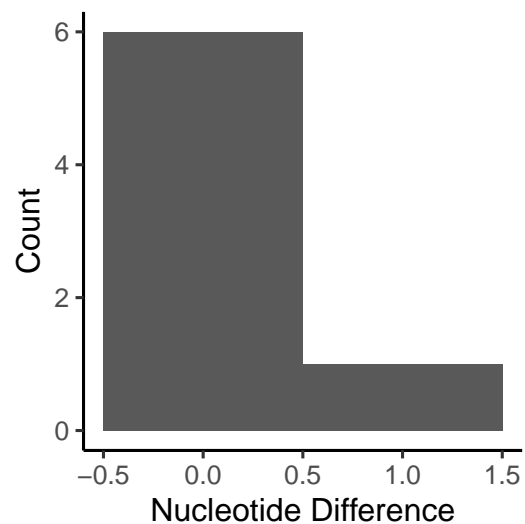
IGKV1D-43*01

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



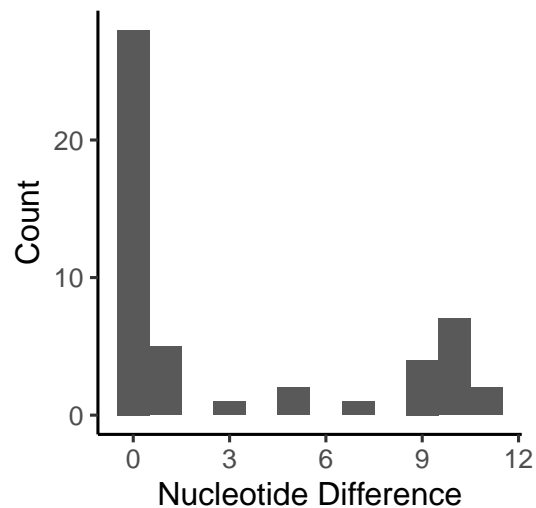
IGKV1E-12*03

7 sequences assigned
6 (85.7%) exact matches, in which:
6 unique CDR3
2 unique J



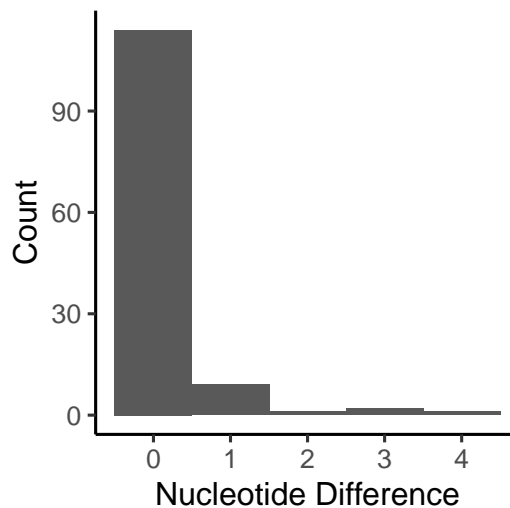
IGKV1E-13*02

50 sequences assigned
28 (56%) exact matches, in which:
25 unique CDR3
5 unique J



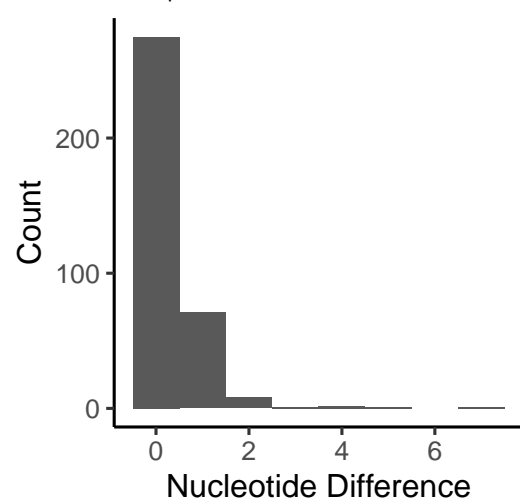
IGKV2E-28*01

127 sequences assigned
114 (89.8%) exact matches, in which:
98 unique CDR3
5 unique J



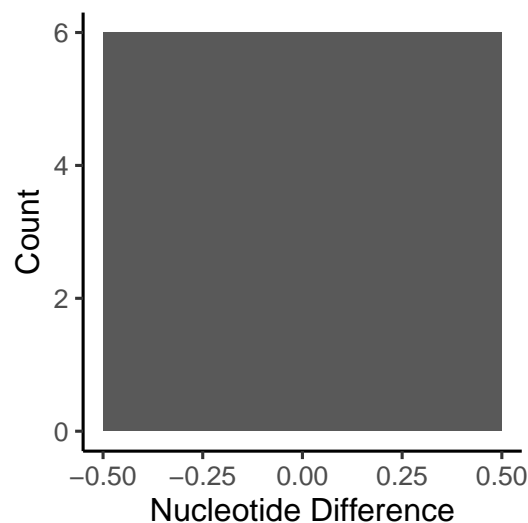
IGKV1E-39*01

360 sequences assigned
275 (76.4%) exact matches, in which:
210 unique CDR3
5 unique J



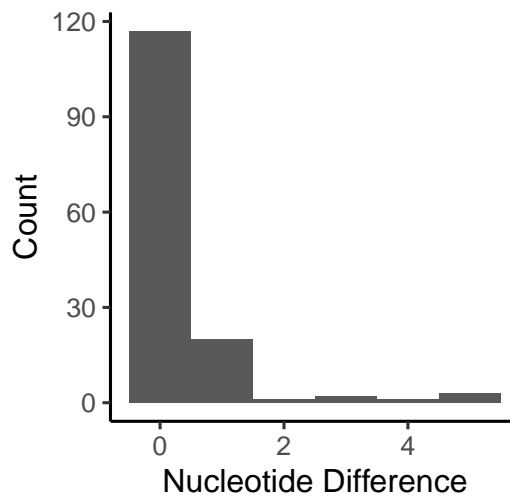
IGKV6E-21*01

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



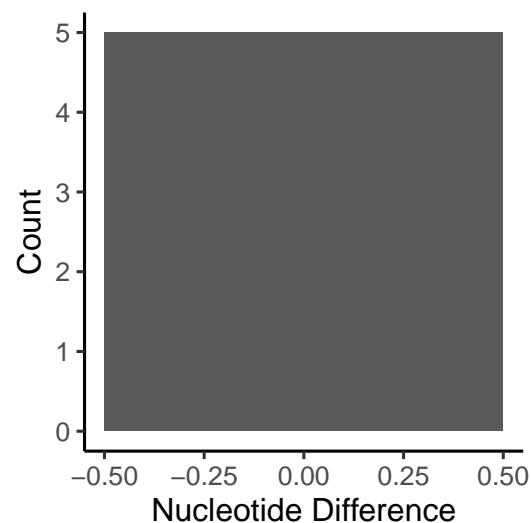
IGKV1E-33*01

144 sequences assigned
117 (81.2%) exact matches, in which:
102 unique CDR3
5 unique J



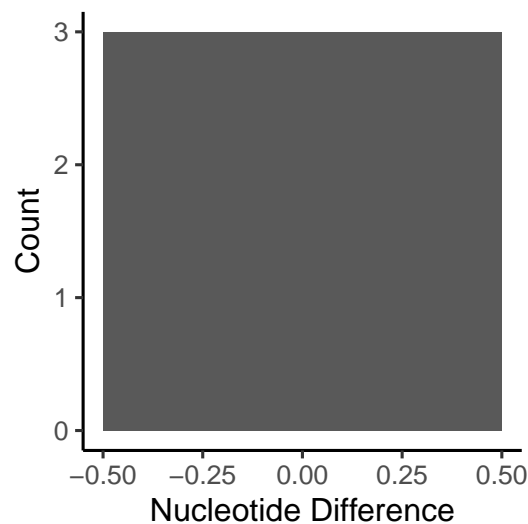
IGKV2E-40*01

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



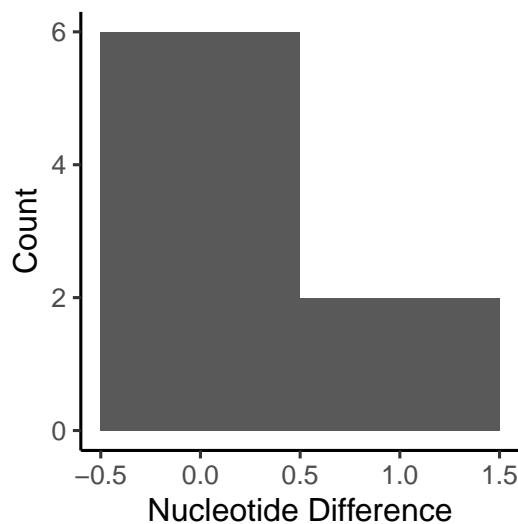
IGKV6E-21*03

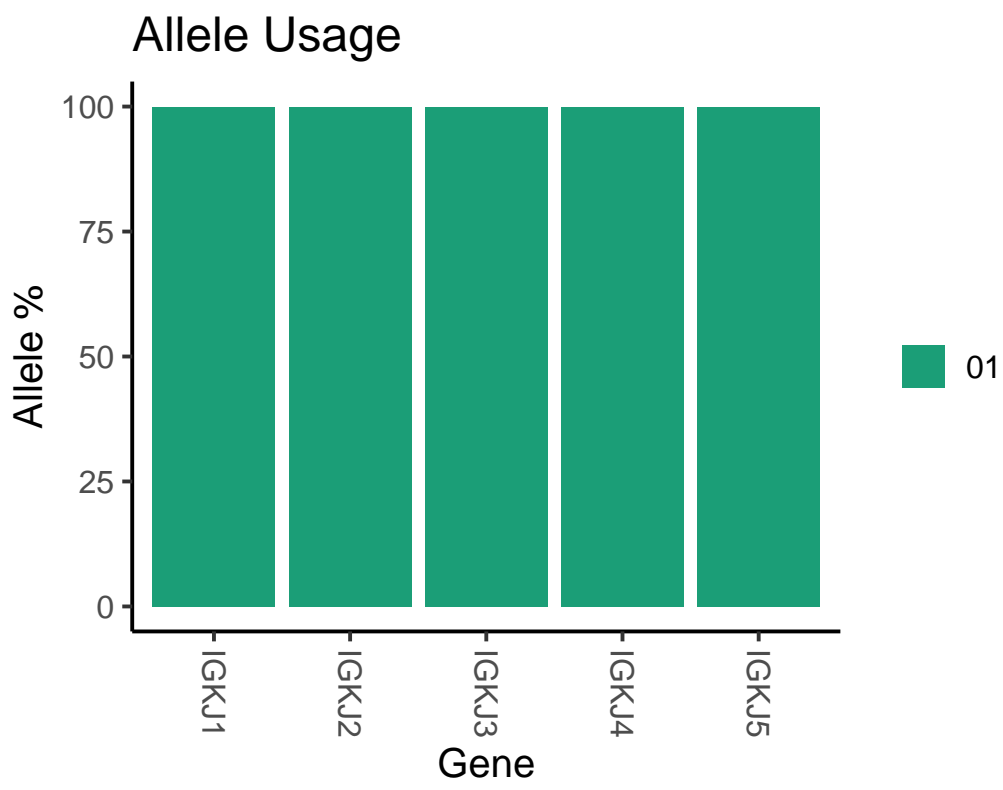
3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
2 unique J



IGKV1E-37*01

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





Warning – no inferred sequences found.