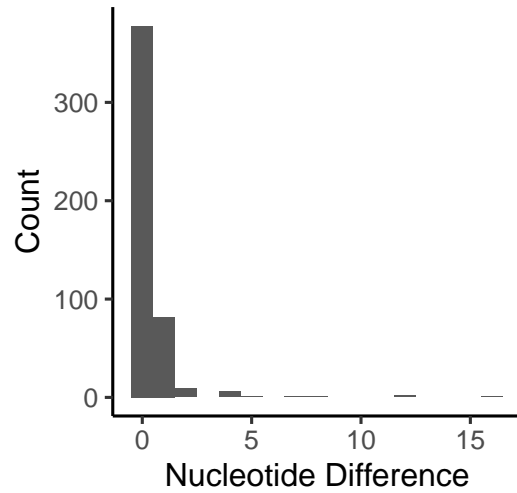


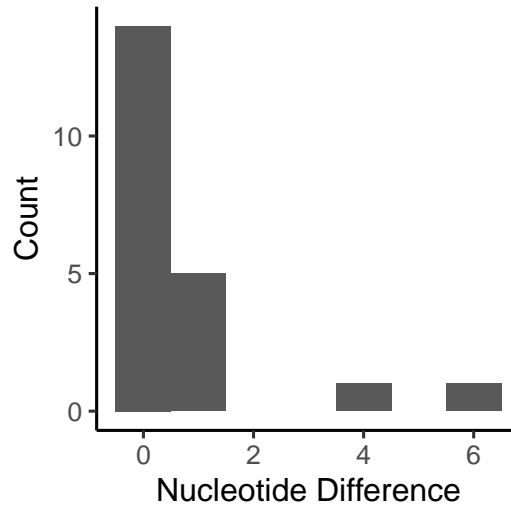
IGKV1-5*01

481 sequences assigned
378 (78.6%) exact matches, in which:
344 unique CDR3
5 unique J



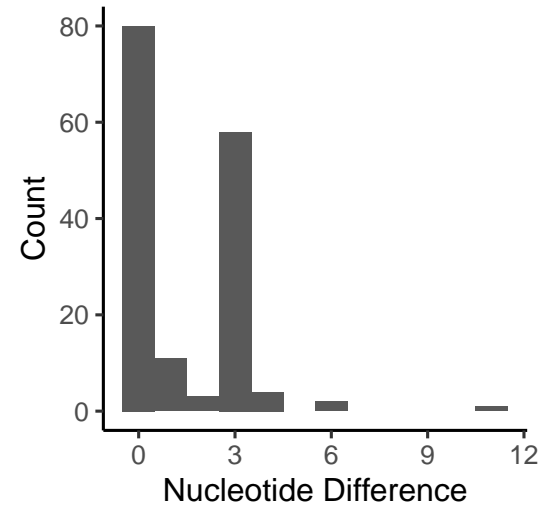
IGKV1-6*01_G9A

21 sequences assigned
14 (66.7%) exact matches, in which:
14 unique CDR3
4 unique J



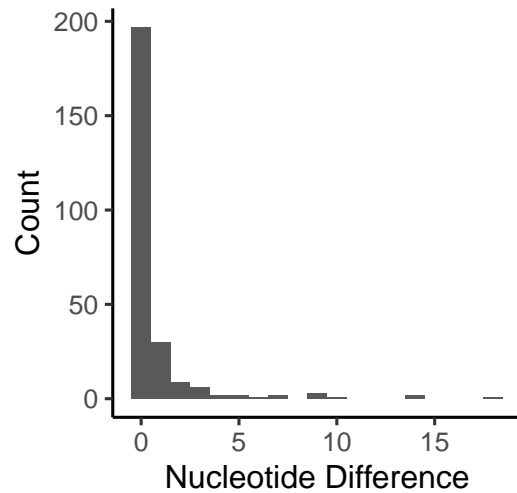
IGKV1-9*01

159 sequences assigned
80 (50.3%) exact matches, in which:
75 unique CDR3
5 unique J



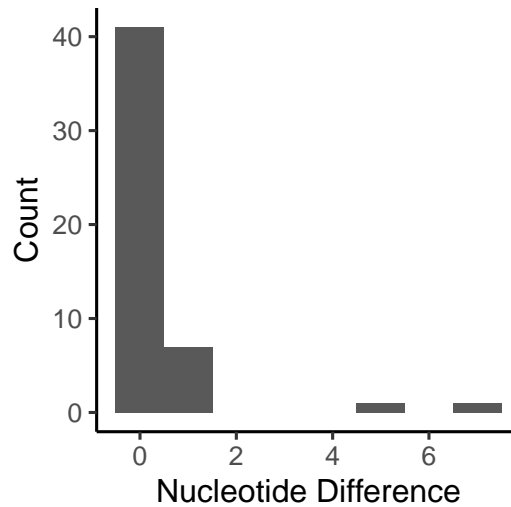
IGKV1-5*03

256 sequences assigned
197 (77%) exact matches, in which:
185 unique CDR3
5 unique J



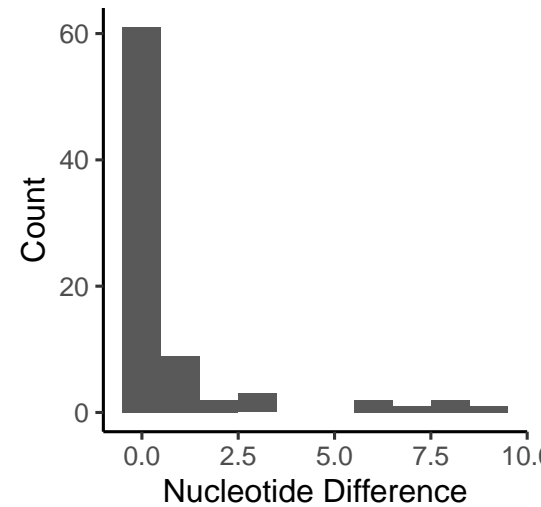
IGKV1-8*01

50 sequences assigned
41 (82%) exact matches, in which:
40 unique CDR3
5 unique J



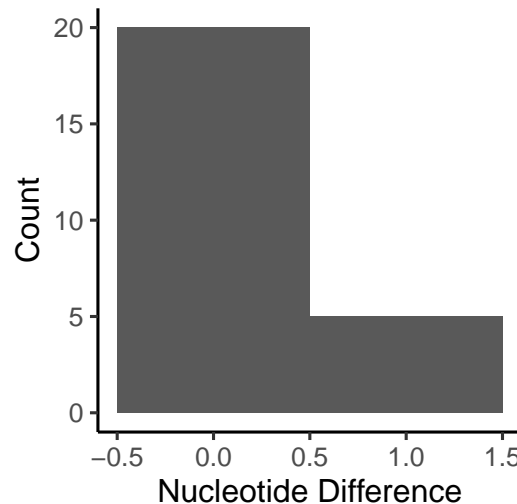
IGKV1-16*02

81 sequences assigned
61 (75.3%) exact matches, in which:
53 unique CDR3
5 unique J



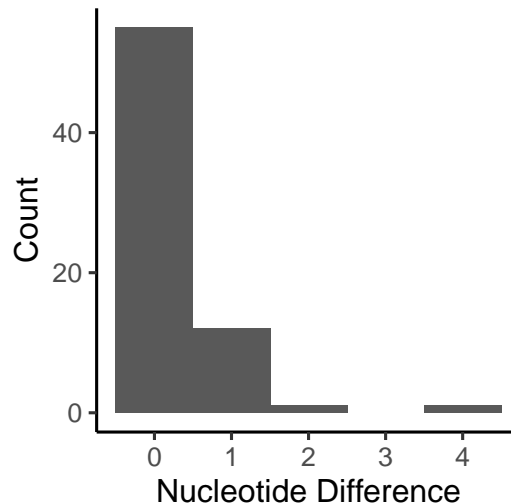
IGKV1-6*01

25 sequences assigned
20 (80%) exact matches, in which:
20 unique CDR3
5 unique J



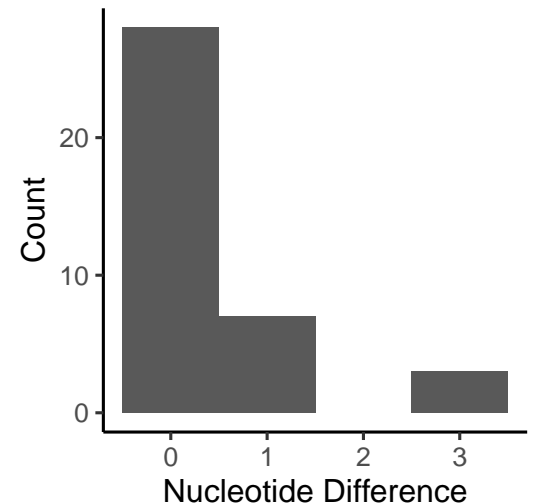
IGKV1-8*01_T31C

69 sequences assigned
55 (79.7%) exact matches, in which:
48 unique CDR3
5 unique J



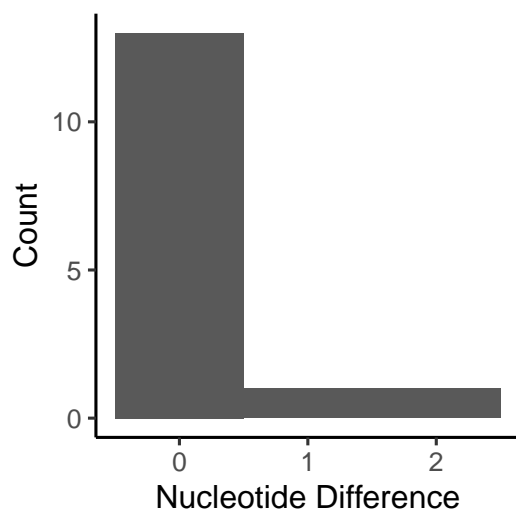
IGKV1-17*01

38 sequences assigned
28 (73.7%) exact matches, in which:
28 unique CDR3
5 unique J



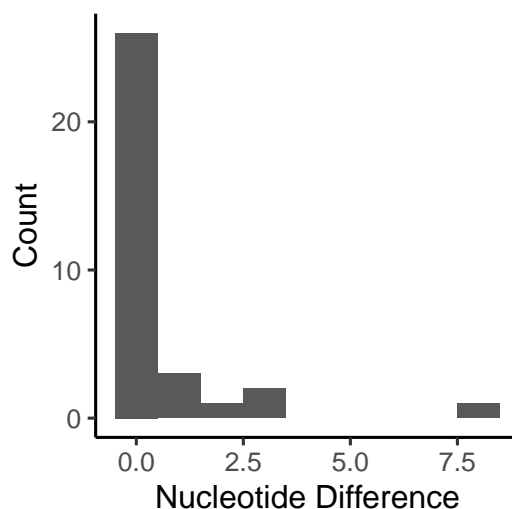
IGKV1-17*03

15 sequences assigned
13 (86.7%) exact matches, in which:
13 unique CDR3
4 unique J



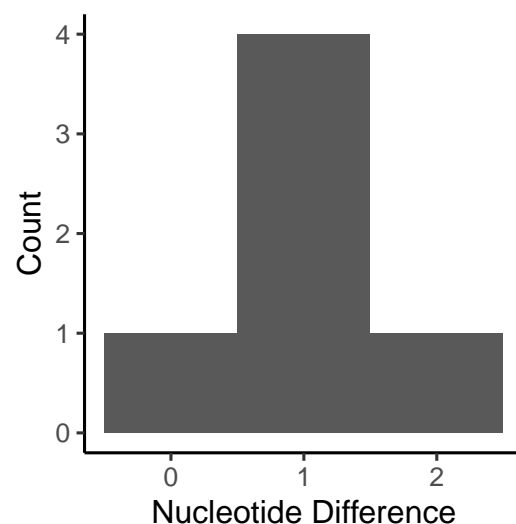
IGKV2-24*01

33 sequences assigned
26 (78.8%) exact matches, in which:
25 unique CDR3
5 unique J



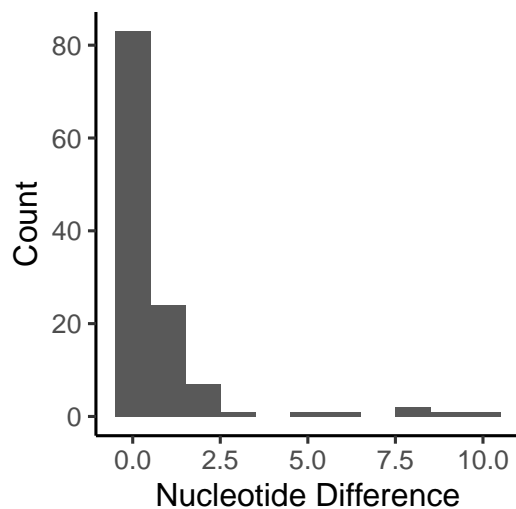
IGKV3-7*04

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



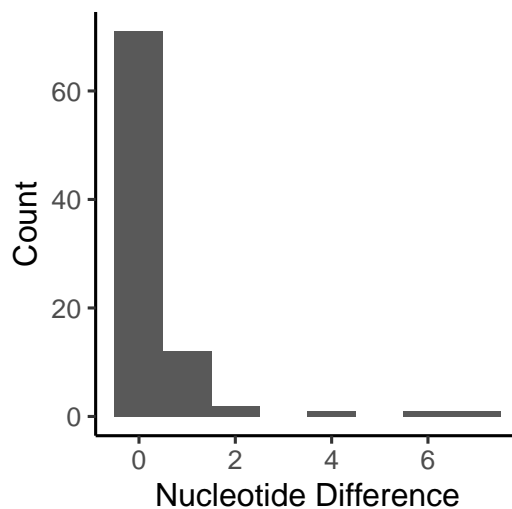
IGKV1-27*01

121 sequences assigned
83 (68.6%) exact matches, in which:
73 unique CDR3
5 unique J



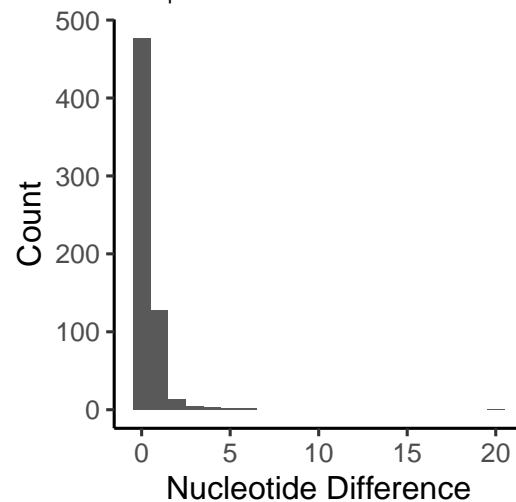
IGKV2-30*01

88 sequences assigned
71 (80.7%) exact matches, in which:
66 unique CDR3
5 unique J



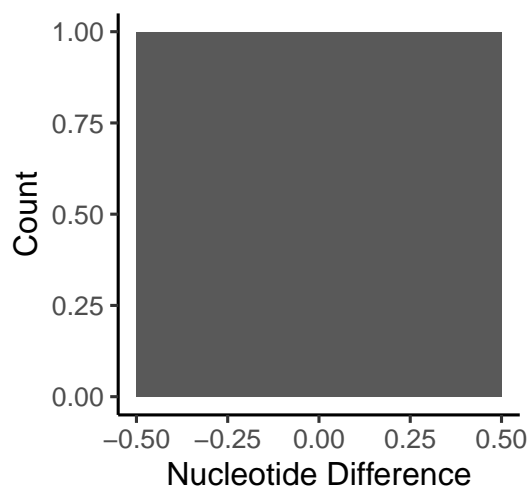
IGKV3-11*01

631 sequences assigned
477 (75.6%) exact matches, in which:
402 unique CDR3
5 unique J



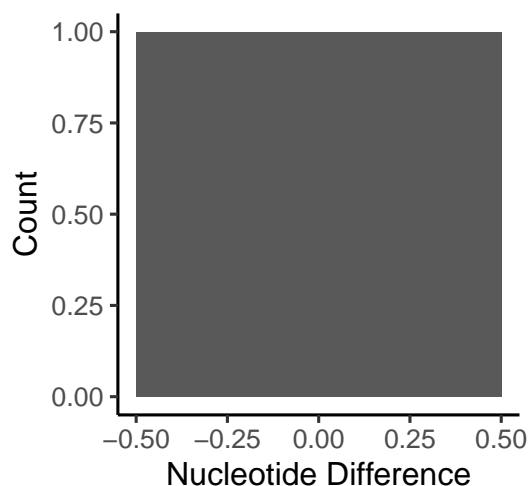
IGKV2/OR22-4*01

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



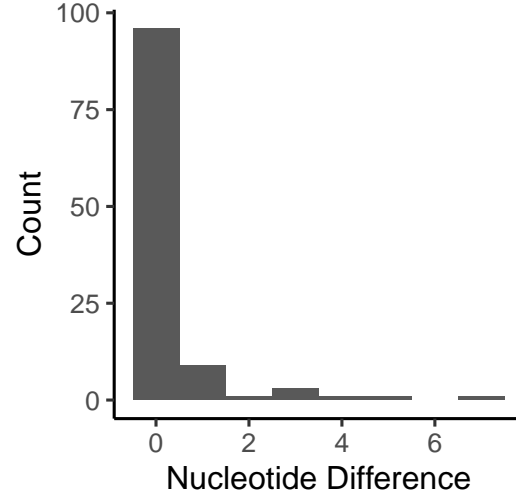
IGKV3/OR2-268*01

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



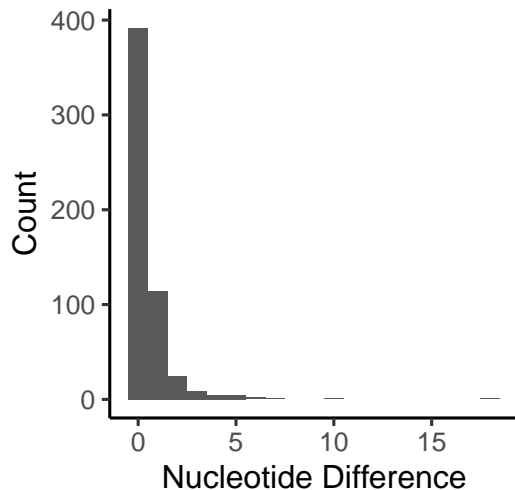
IGKV3-11*01_A223C

112 sequences assigned
96 (85.7%) exact matches, in which:
90 unique CDR3
5 unique J



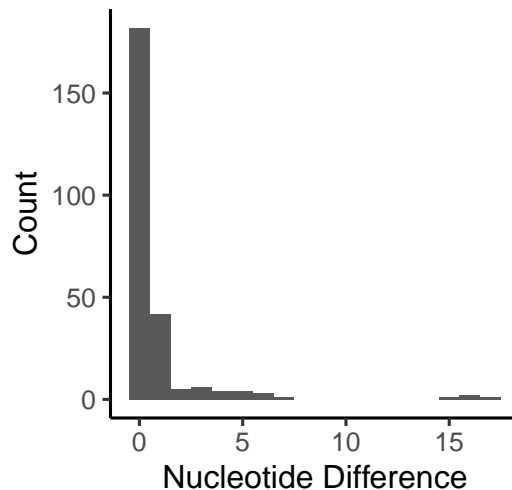
IGKV3–15*01

555 sequences assigned
392 (70.6%) exact matches, in which:
333 unique CDR3
5 unique J



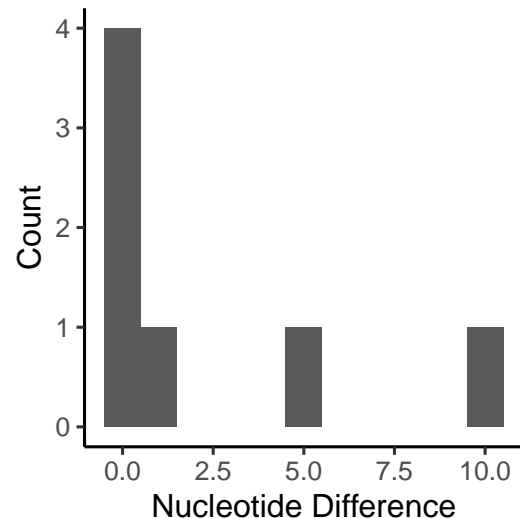
IGKV4–1*01

251 sequences assigned
182 (72.5%) exact matches, in which:
156 unique CDR3
5 unique J



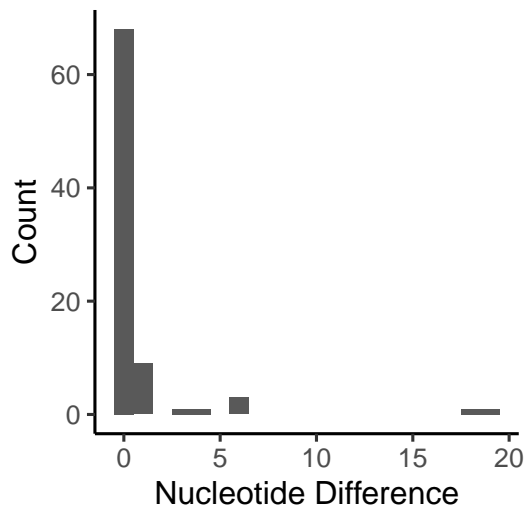
IGKV3D–7*01

7 sequences assigned
4 (57.1%) exact matches, in which:
4 unique CDR3
3 unique J



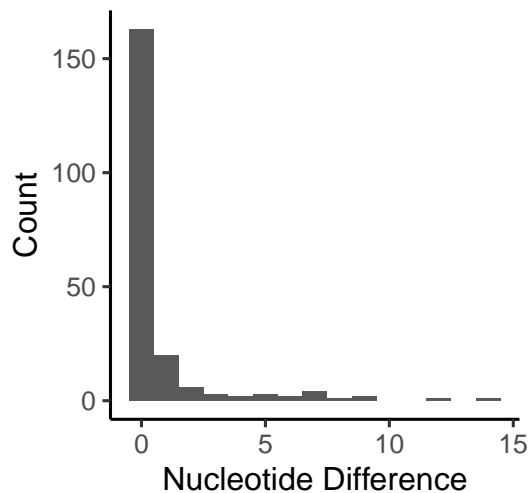
IGKV3–15*01_A223C

84 sequences assigned
68 (81%) exact matches, in which:
67 unique CDR3
5 unique J



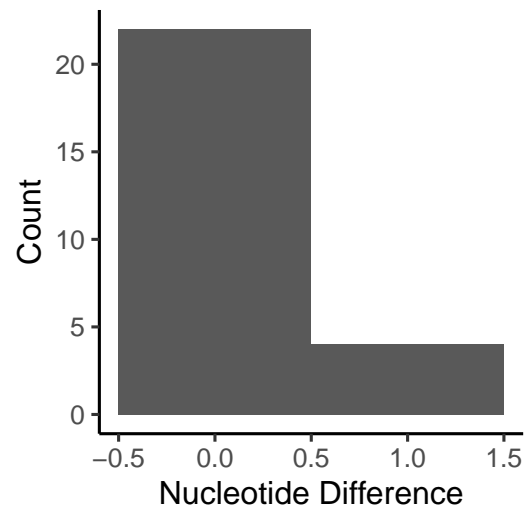
IGKV4–1*01_A318G

208 sequences assigned
163 (78.4%) exact matches, in which:
135 unique CDR3
5 unique J



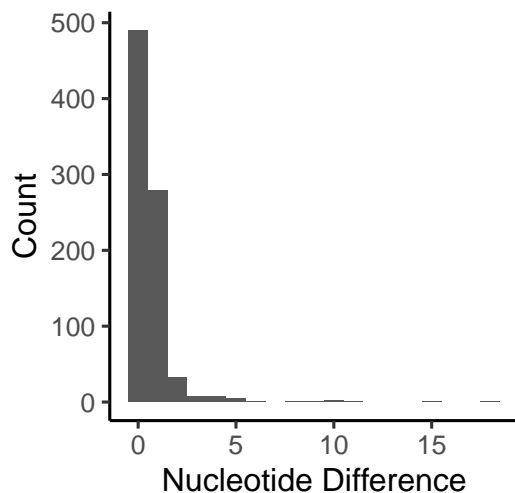
IGKV1D–8*01

26 sequences assigned
22 (84.6%) exact matches, in which:
17 unique CDR3
5 unique J



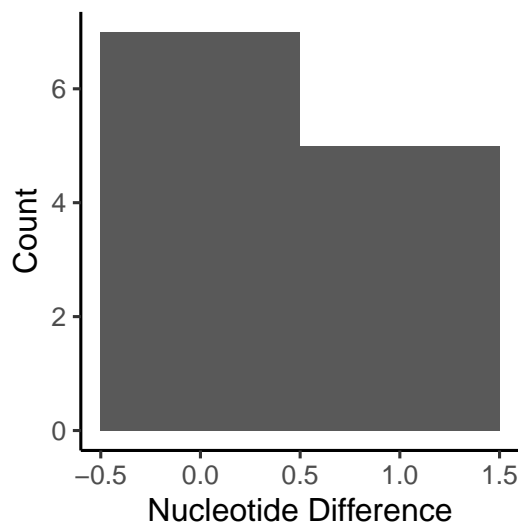
IGKV3–20*01

831 sequences assigned
490 (59%) exact matches, in which:
424 unique CDR3
5 unique J



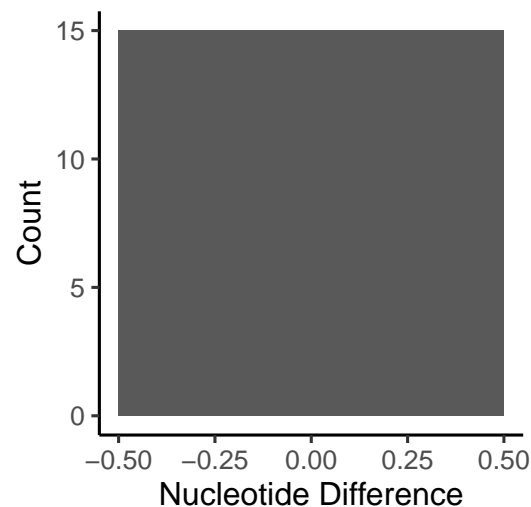
IGKV5–2*01

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



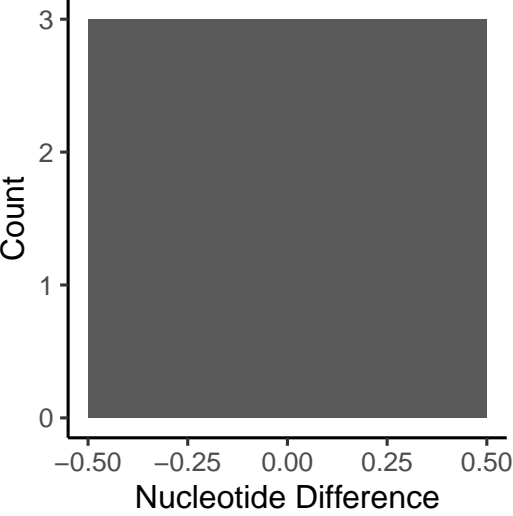
IGKV1D–8*03

15 sequences assigned
15 (100%) exact matches, in which:
13 unique CDR3
4 unique J



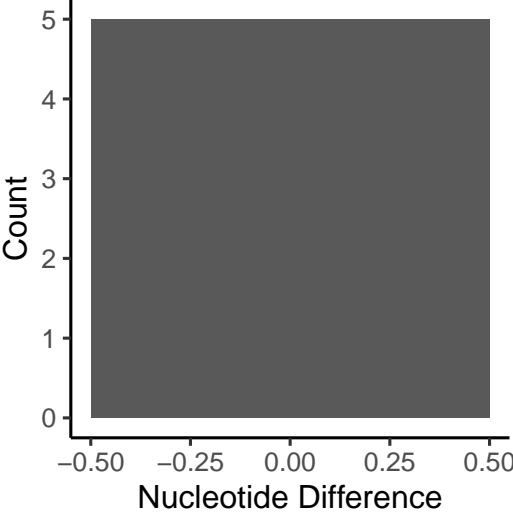
IGKV3D-11*01

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



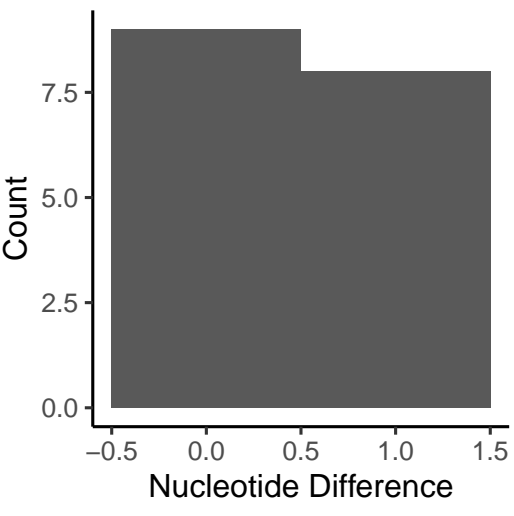
IGKV1D-16*01

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



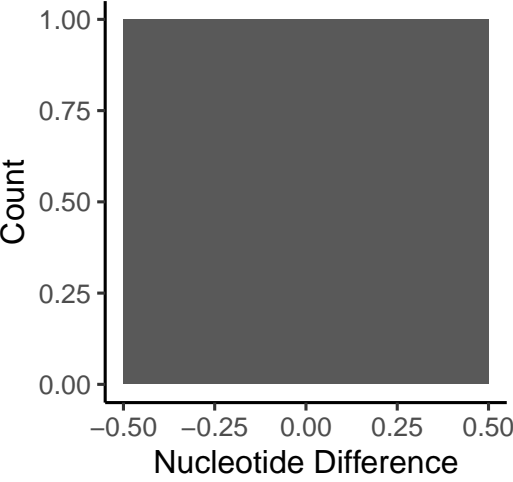
IGKV3D-20*01

17 sequences assigned
9 (52.9%) exact matches, in which:
9 unique CDR3
4 unique J



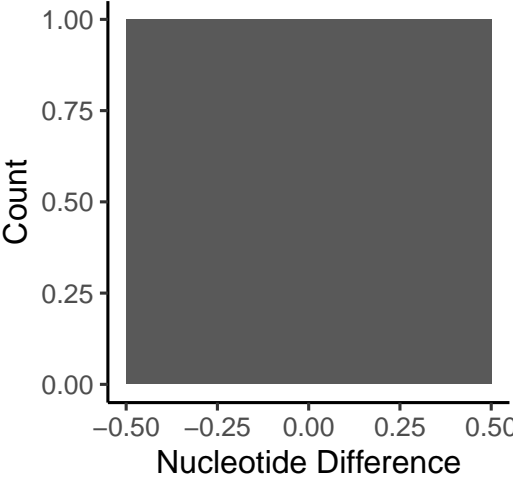
IGKV3D-11*02

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



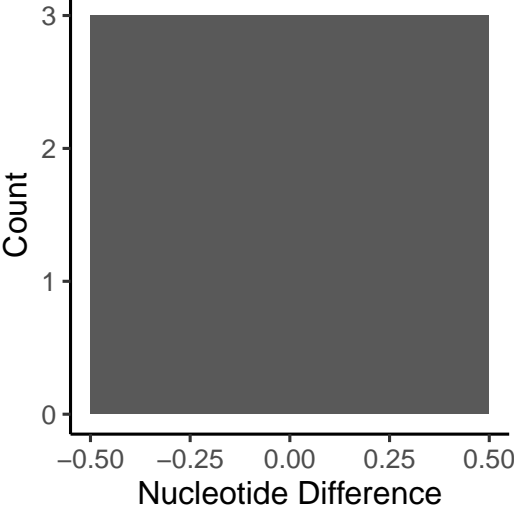
IGKV1D-16*02

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



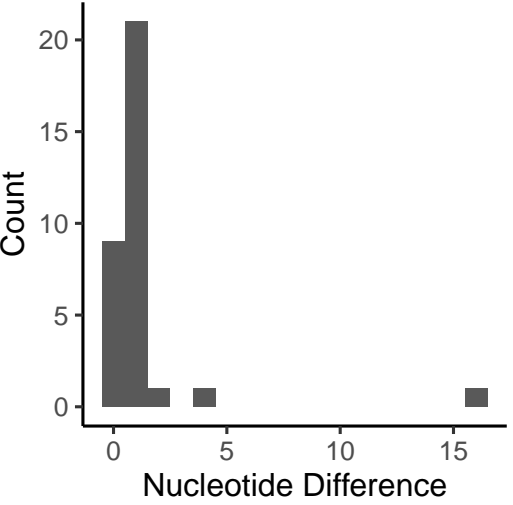
IGKV2D-24*01

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



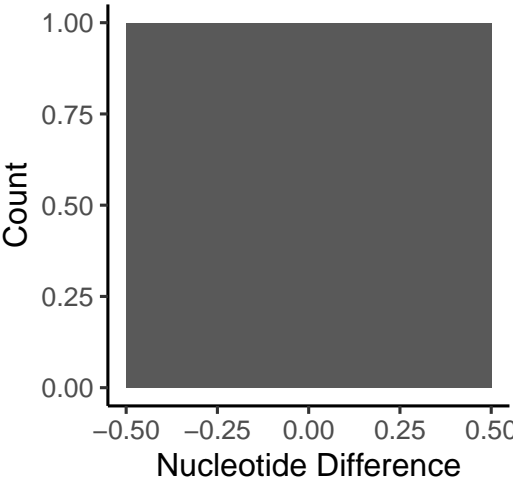
IGKV3D-15*01

33 sequences assigned
9 (27.3%) exact matches, in which:
9 unique CDR3
3 unique J



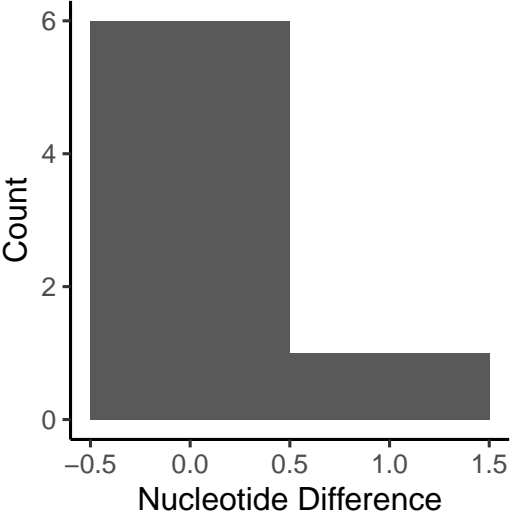
IGKV1D-17*01

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



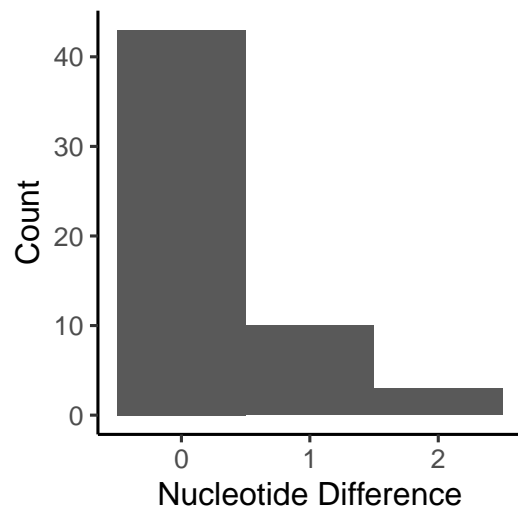
IGKV2D-26*03

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



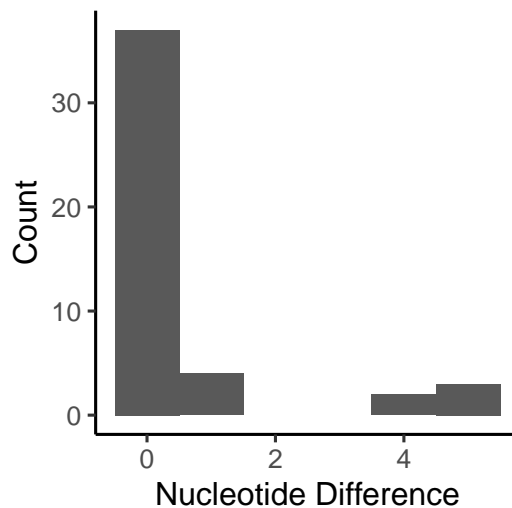
IGKV2D-29*01

56 sequences assigned
43 (76.8%) exact matches, in which:
41 unique CDR3
5 unique J



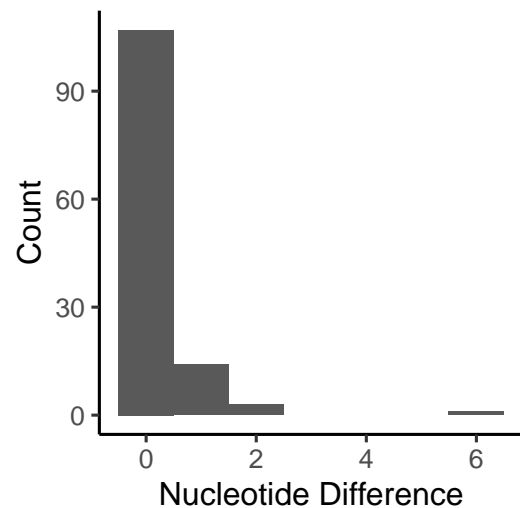
IGKV1E-12*01

46 sequences assigned
37 (80.4%) exact matches, in which:
28 unique CDR3
5 unique J



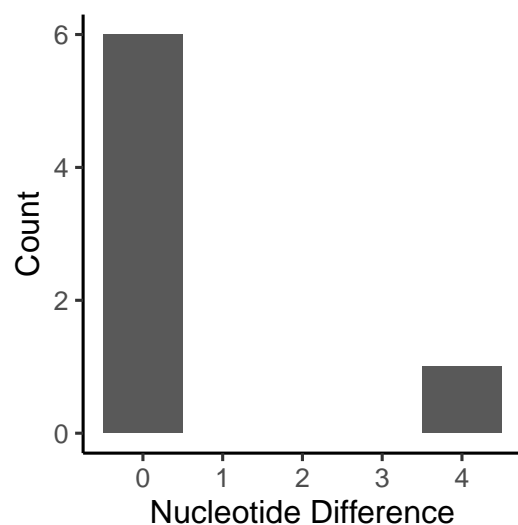
IGKV1E-13*02

125 sequences assigned
107 (85.6%) exact matches, in which:
100 unique CDR3
5 unique J



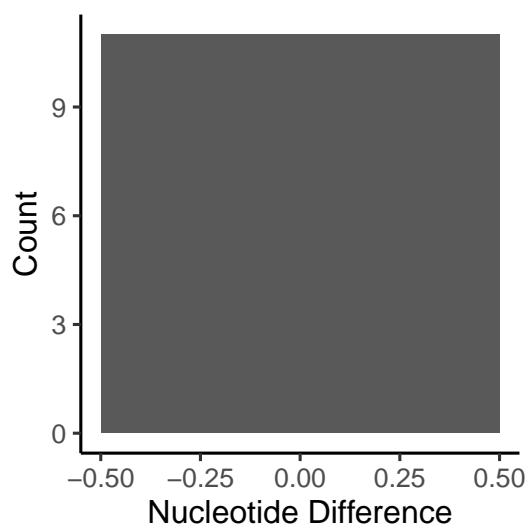
IGKV2D-30*01

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



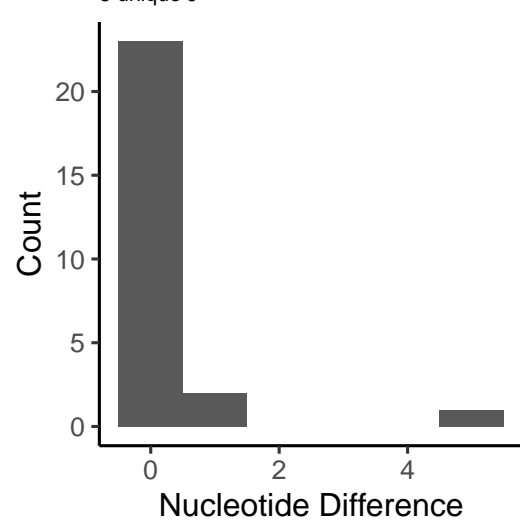
IGKV1E-12*02

11 sequences assigned
11 (100%) exact matches, in which:
10 unique CDR3
5 unique J



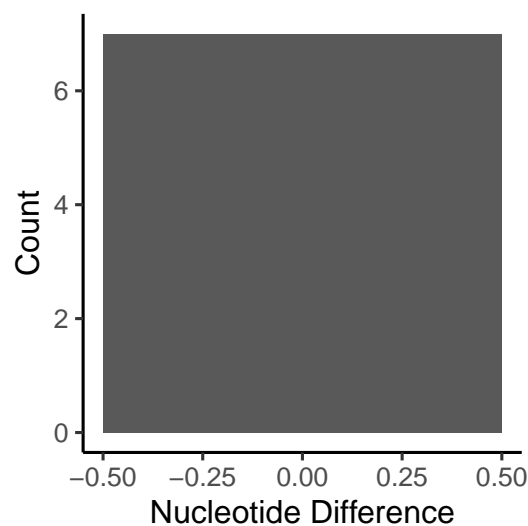
IGKV1E-13*03

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



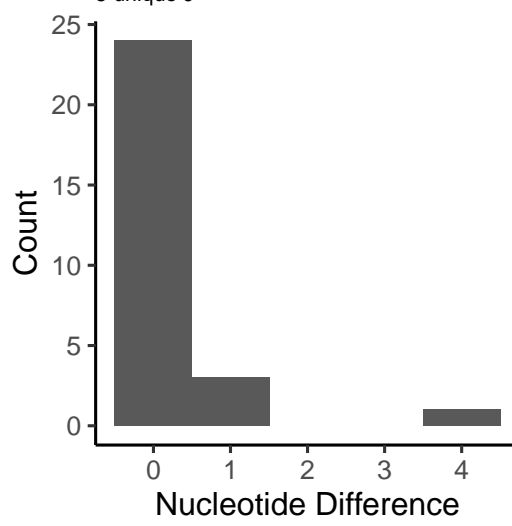
IGKV1D-43*01

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



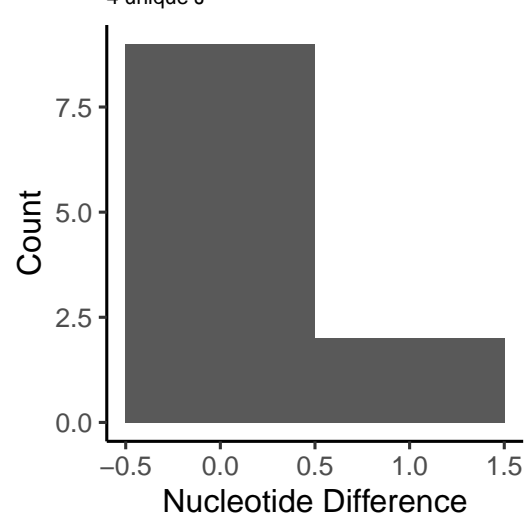
IGKV1E-12*03

28 sequences assigned
24 (85.7%) exact matches, in which:
23 unique CDR3
5 unique J



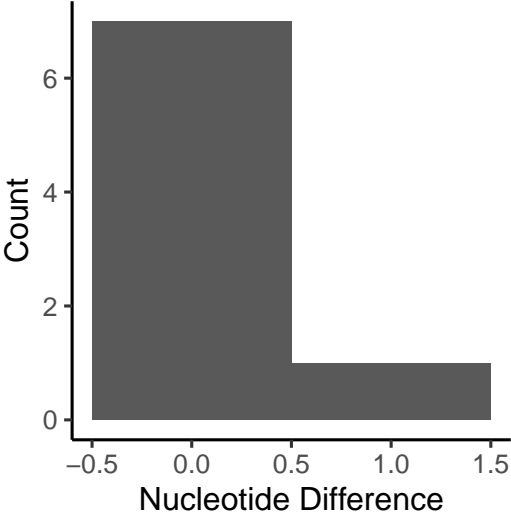
IGKV6E-21*01

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



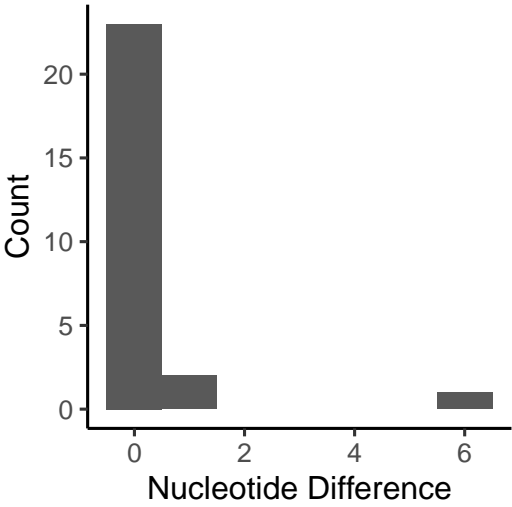
IGKV6E-21*03

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



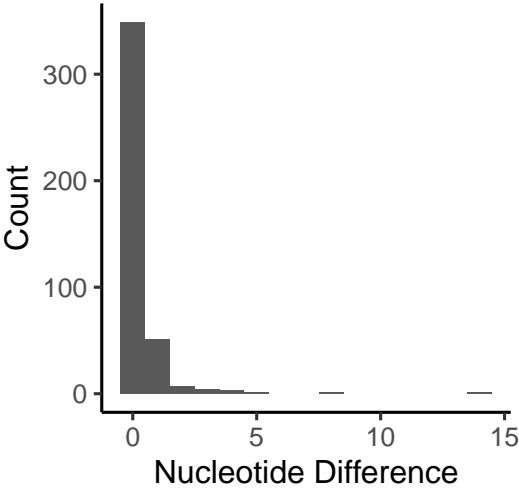
IGKV1E-37*01

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



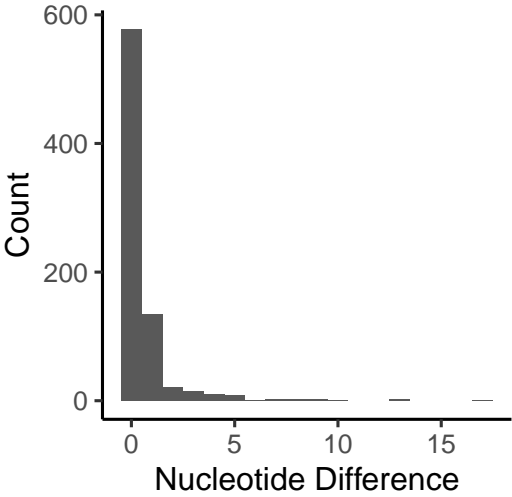
IGKV2E-28*01

418 sequences assigned
349 (83.5%) exact matches, in which:
295 unique CDR3
5 unique J



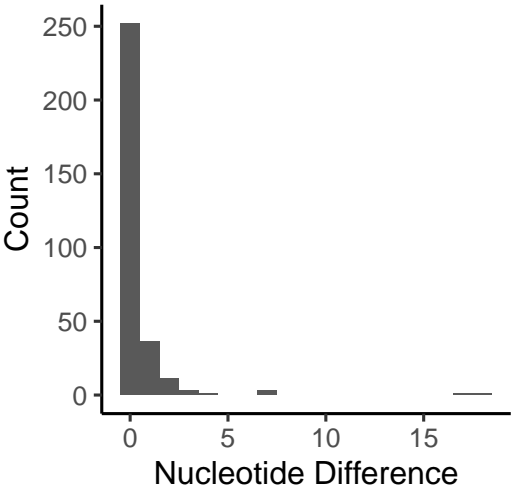
IGKV1E-39*01

778 sequences assigned
578 (74.3%) exact matches, in which:
481 unique CDR3
5 unique J



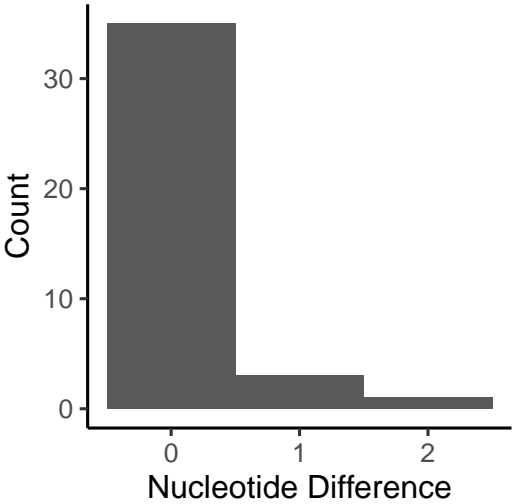
IGKV1E-33*01

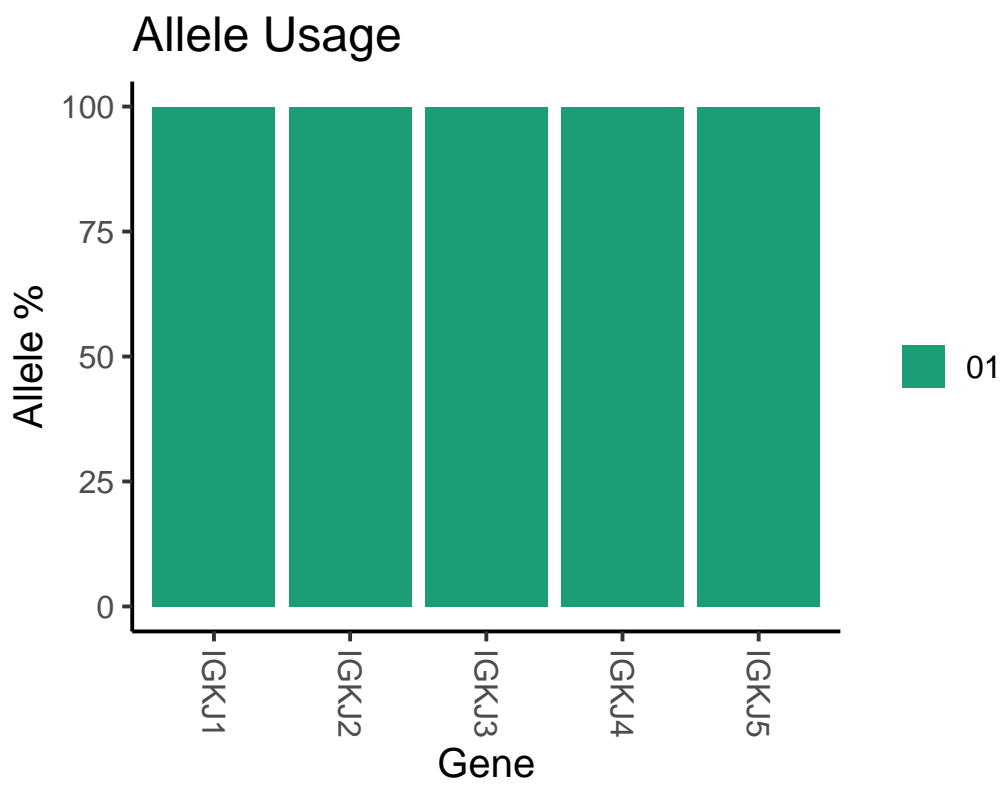
308 sequences assigned
252 (81.8%) exact matches, in which:
208 unique CDR3
5 unique J



IGKV2E-40*01

39 sequences assigned
35 (89.7%) exact matches, in which:
30 unique CDR3
5 unique J





Warning – no inferred sequences found.