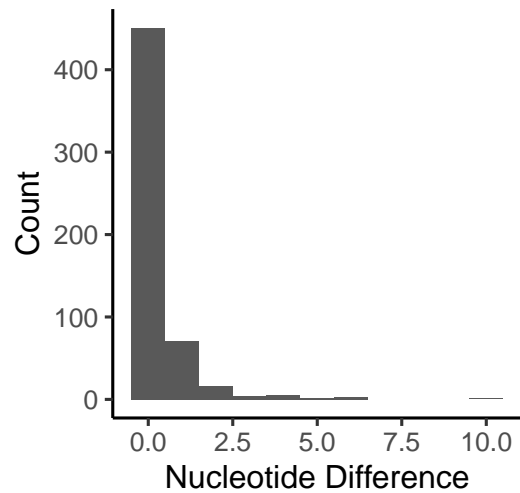


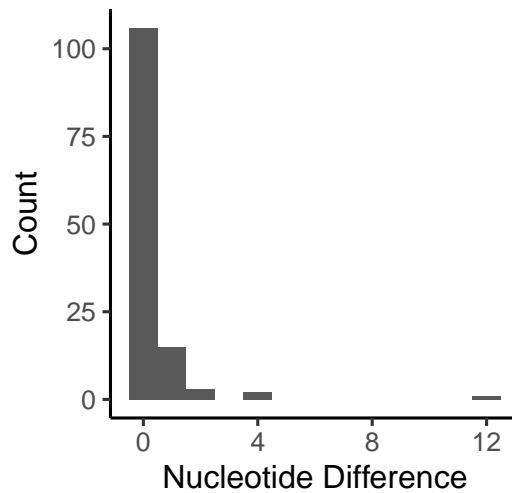
IGKV1-5*03

553 sequences assigned
451 (81.6%) exact matches, in which:
387 unique CDR3
5 unique J



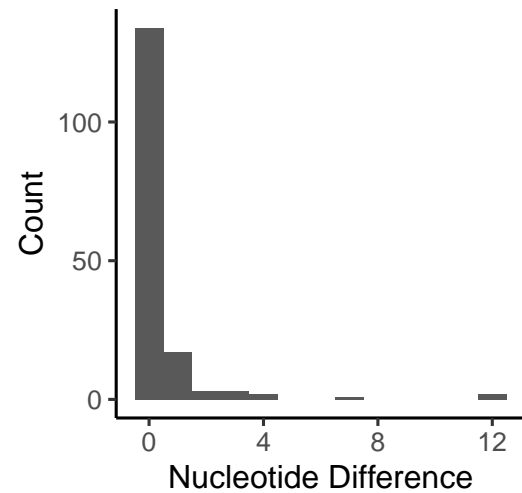
IGKV1-8*01

127 sequences assigned
106 (83.5%) exact matches, in which:
92 unique CDR3
5 unique J



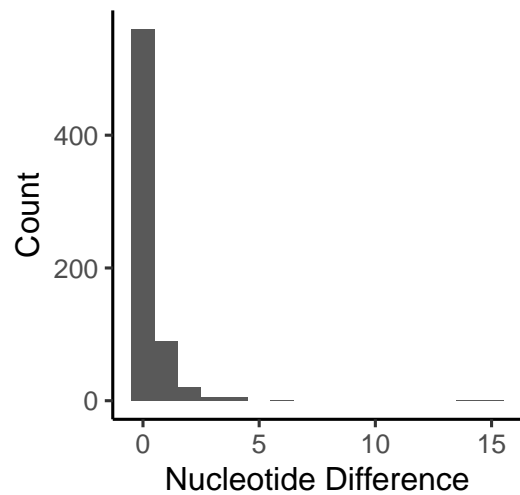
IGKV1-16*02

162 sequences assigned
134 (82.7%) exact matches, in which:
94 unique CDR3
5 unique J



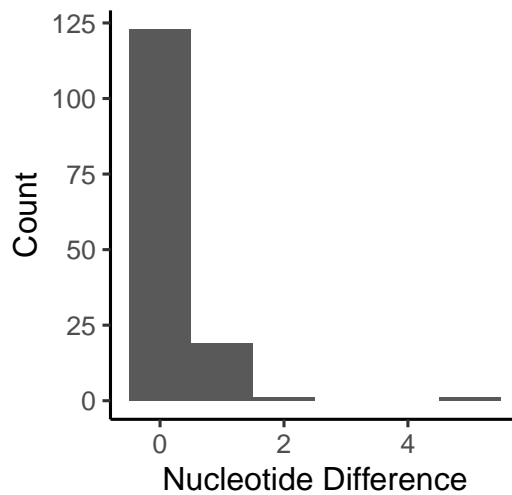
IGKV1-5*03_G171A

684 sequences assigned
560 (81.9%) exact matches, in which:
469 unique CDR3
5 unique J



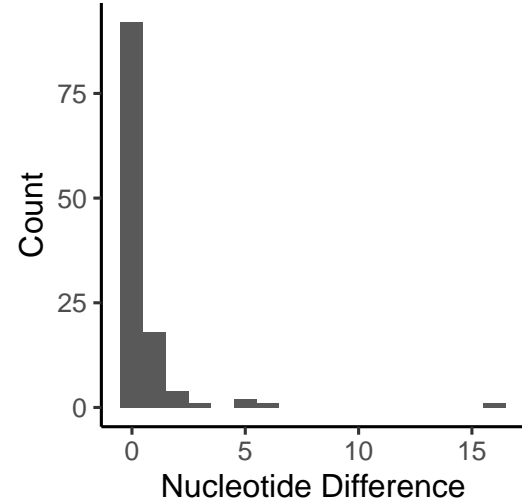
IGKV1-8*01_G12A_T31C

144 sequences assigned
123 (85.4%) exact matches, in which:
111 unique CDR3
5 unique J



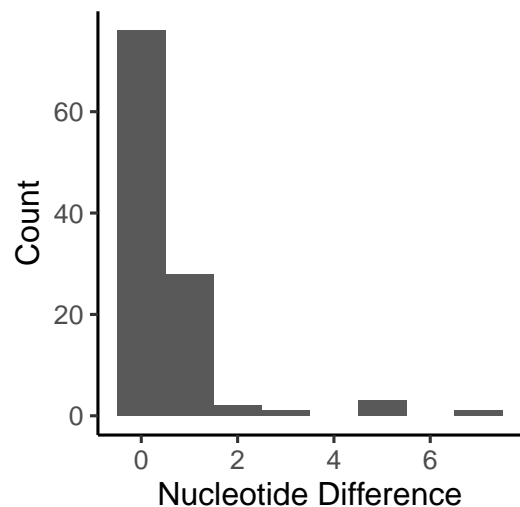
IGKV1-17*01

119 sequences assigned
92 (77.3%) exact matches, in which:
75 unique CDR3
5 unique J



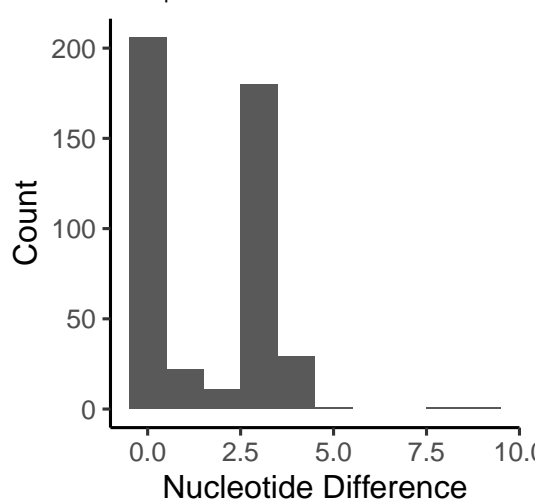
IGKV1-6*01

111 sequences assigned
76 (68.5%) exact matches, in which:
61 unique CDR3
5 unique J



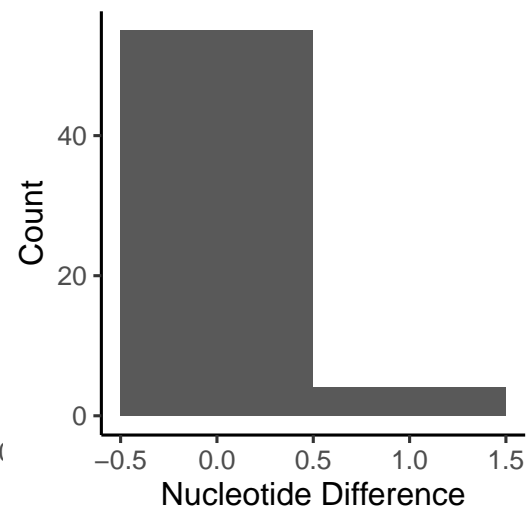
IGKV1-9*01

451 sequences assigned
206 (45.7%) exact matches, in which:
172 unique CDR3
5 unique J



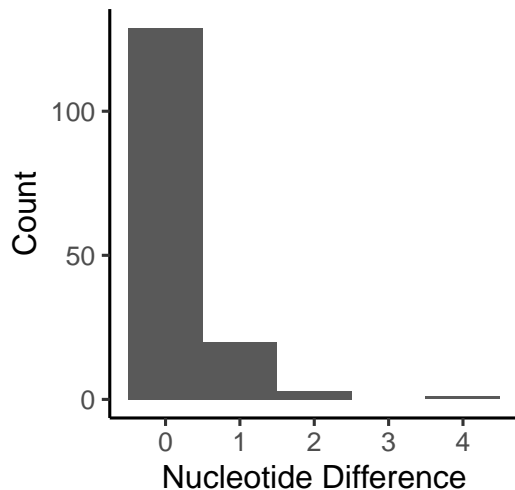
IGKV1-17*03

59 sequences assigned
55 (93.2%) exact matches, in which:
47 unique CDR3
5 unique J



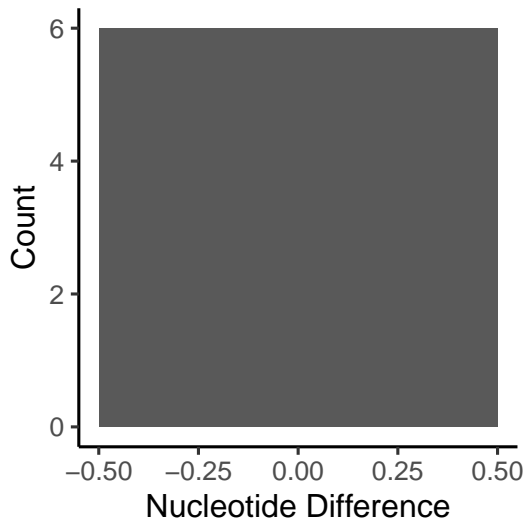
IGKV1-27*01

153 sequences assigned
129 (84.3%) exact matches, in which:
111 unique CDR3
5 unique J



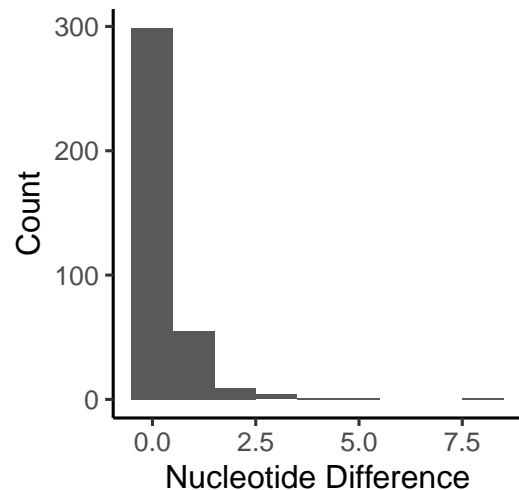
IGKV2/OR22-4*01

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



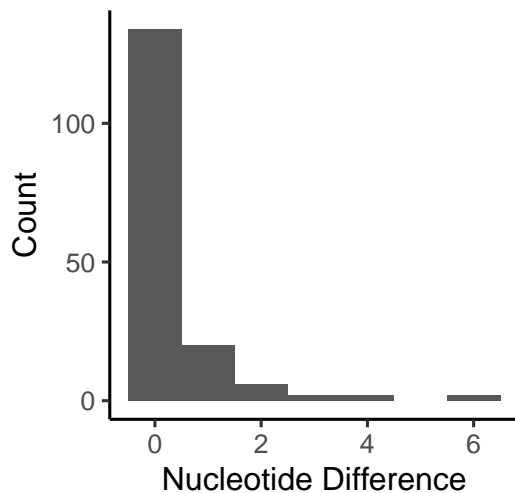
IGKV2-29*02

370 sequences assigned
299 (80.8%) exact matches, in which:
256 unique CDR3
5 unique J



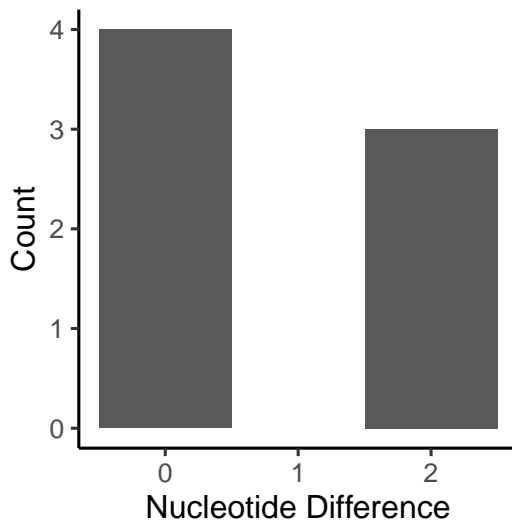
IGKV1-27*01_T231C

166 sequences assigned
134 (80.7%) exact matches, in which:
120 unique CDR3
5 unique J



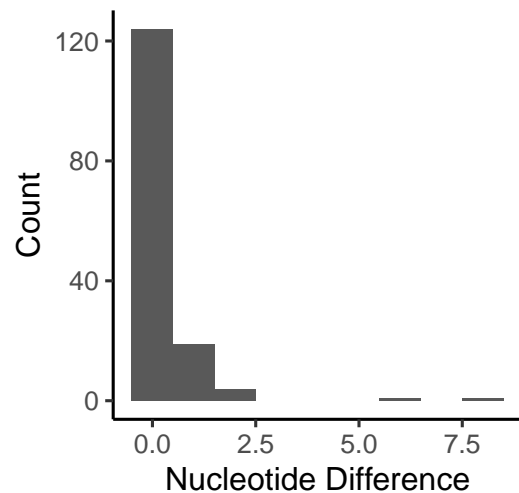
IGKV2-18*01

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



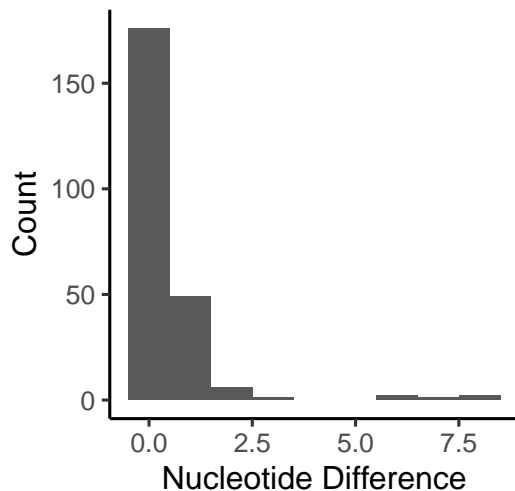
IGKV2-30*01

149 sequences assigned
124 (83.2%) exact matches, in which:
114 unique CDR3
5 unique J



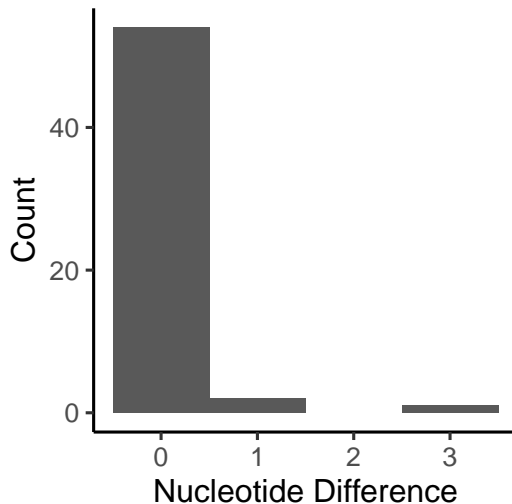
IGKV1-NL1*01

237 sequences assigned
176 (74.3%) exact matches, in which:
150 unique CDR3
5 unique J



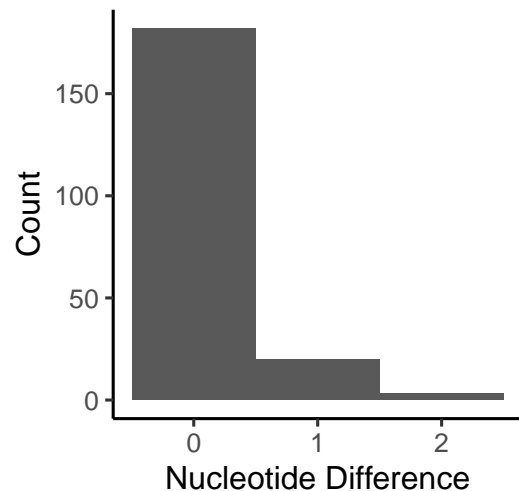
IGKV2-24*01

57 sequences assigned
54 (94.7%) exact matches, in which:
50 unique CDR3
5 unique J



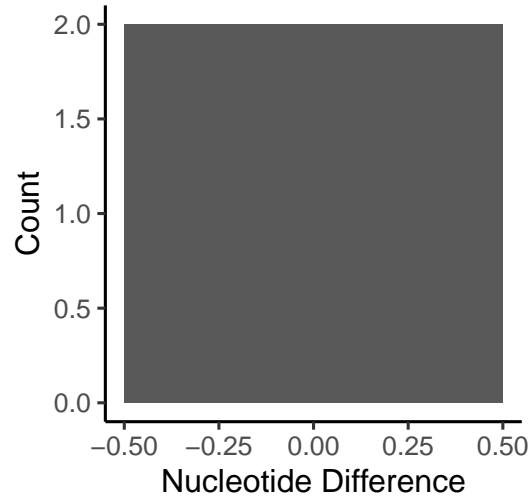
IGKV2-30*02

205 sequences assigned
182 (88.8%) exact matches, in which:
164 unique CDR3
5 unique J



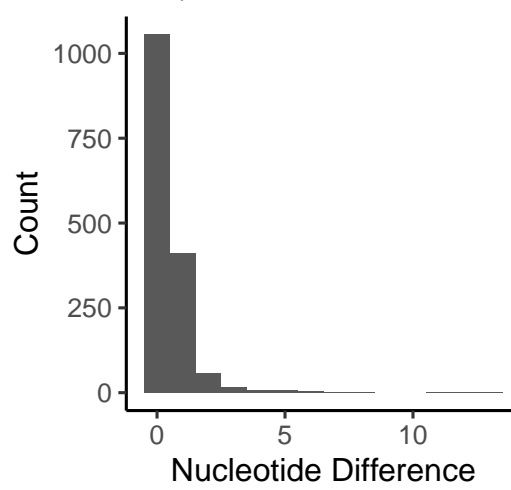
IGKV1/OR2-108*01

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



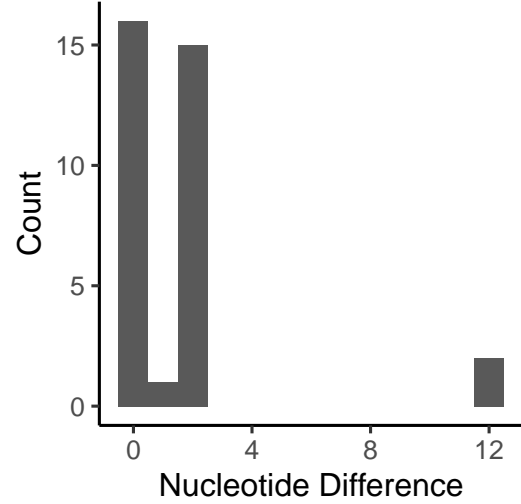
IGKV3-15*01

1564 sequences assigned
1056 (67.5%) exact matches, in which:
842 unique CDR3
5 unique J



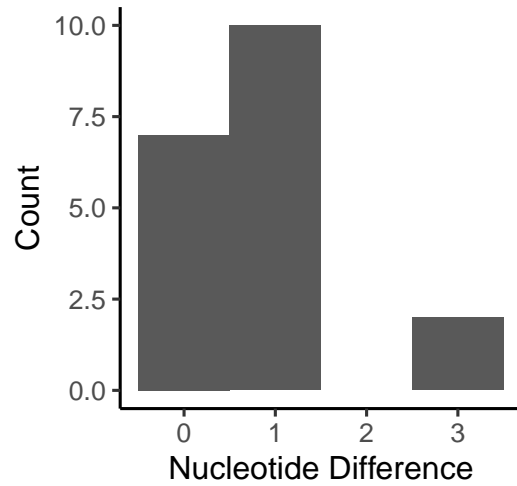
IGKV5-2*01

34 sequences assigned
16 (47.1%) exact matches, in which:
16 unique CDR3
5 unique J



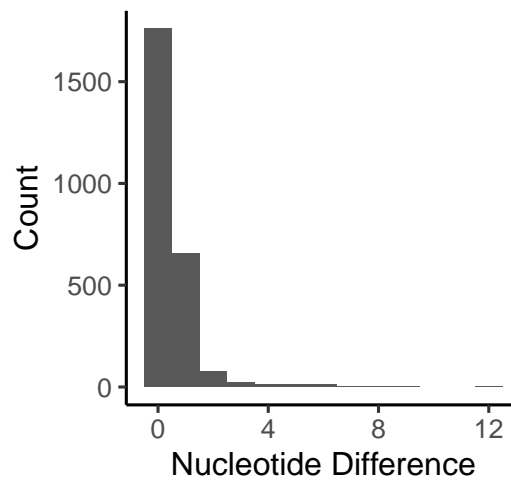
IGKV3-7*04

19 sequences assigned
7 (36.8%) exact matches, in which:
6 unique CDR3
4 unique J



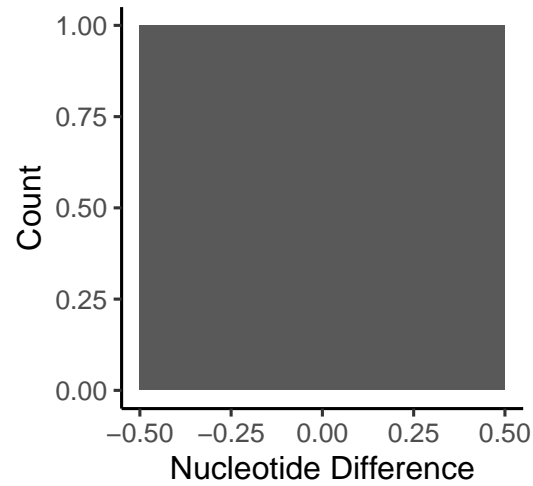
IGKV3-20*01

2558 sequences assigned
1760 (68.8%) exact matches, in which:
1343 unique CDR3
5 unique J



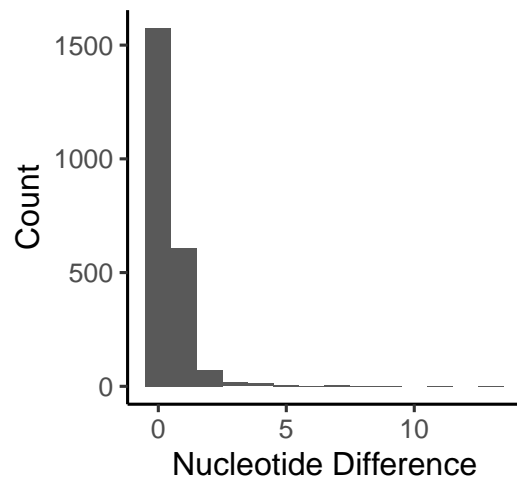
IGKV1/OR15-118*01

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



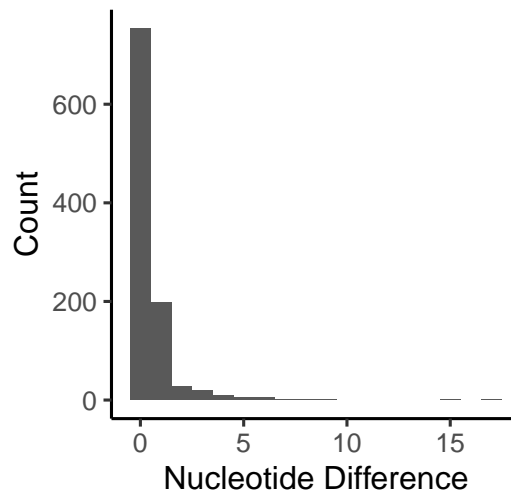
IGKV3-11*01

2302 sequences assigned
1575 (68.4%) exact matches, in which:
1142 unique CDR3
5 unique J



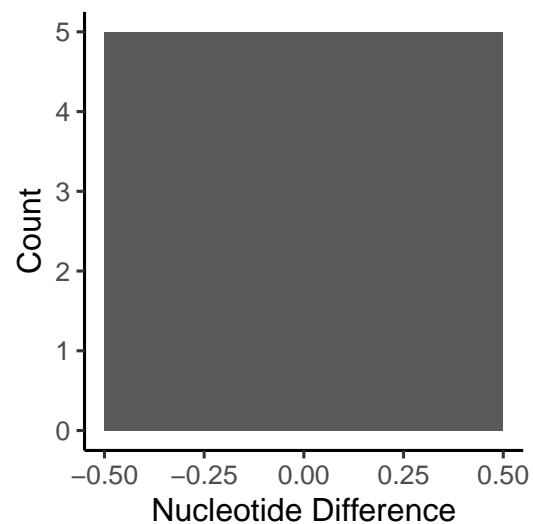
IGKV4-1*01

1024 sequences assigned
754 (73.6%) exact matches, in which:
552 unique CDR3
5 unique J



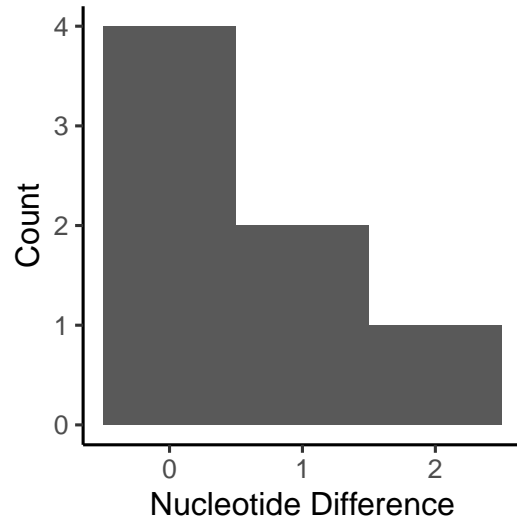
IGKV7-3*01

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



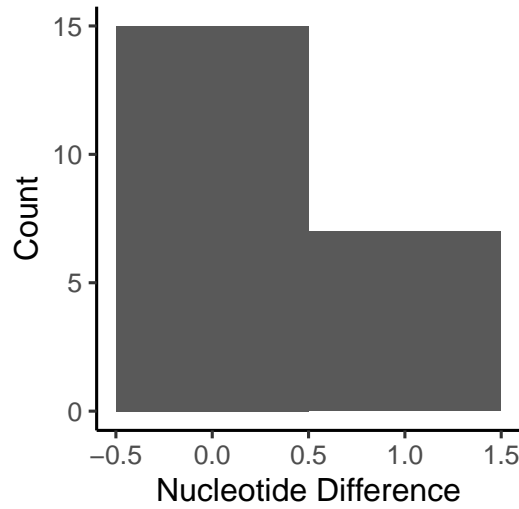
IGKV3D-7*01

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



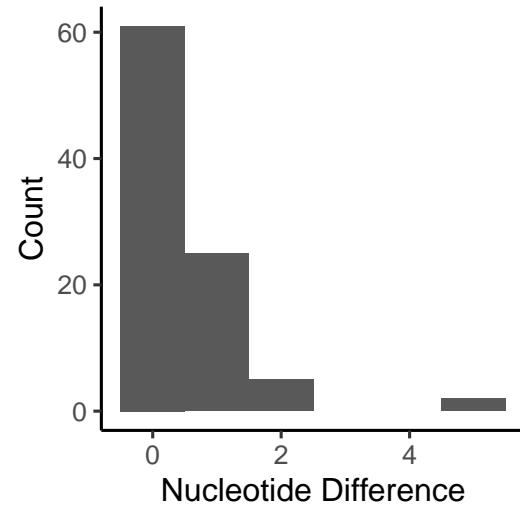
IGKV3D-11*02

22 sequences assigned
15 (68.2%) exact matches, in which:
15 unique CDR3
4 unique J



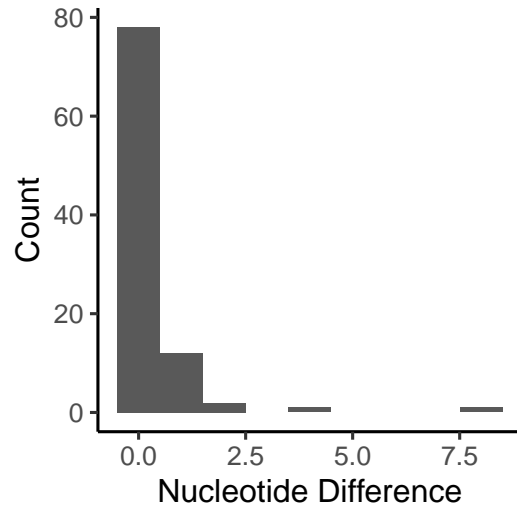
IGKV3D-20*01

93 sequences assigned
61 (65.6%) exact matches, in which:
55 unique CDR3
5 unique J



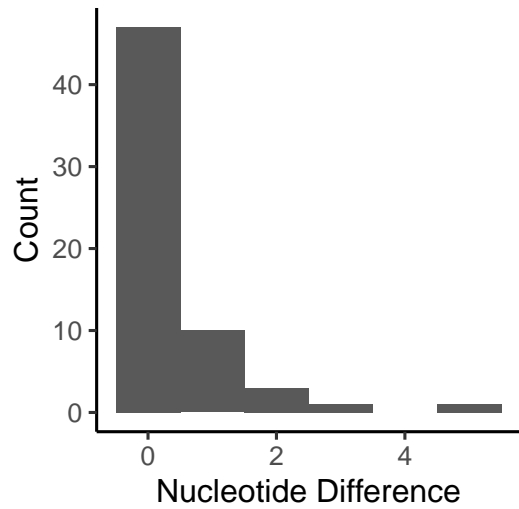
IGKV1D-8*01

94 sequences assigned
78 (83%) exact matches, in which:
57 unique CDR3
5 unique J



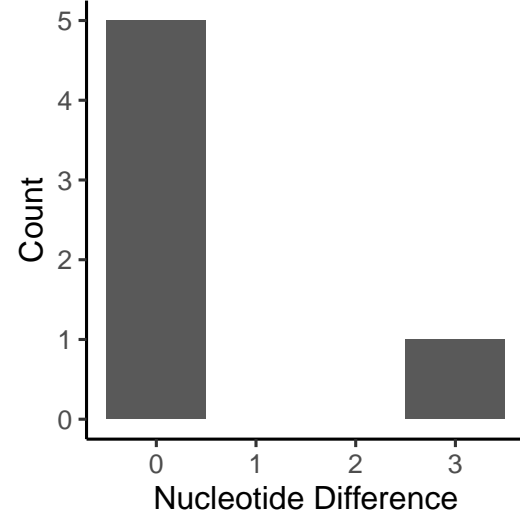
IGKV3D-15*01

62 sequences assigned
47 (75.8%) exact matches, in which:
42 unique CDR3
5 unique J



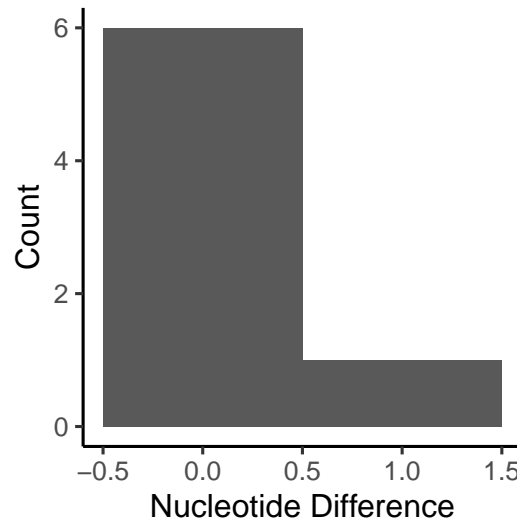
IGKV2D-24*01

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



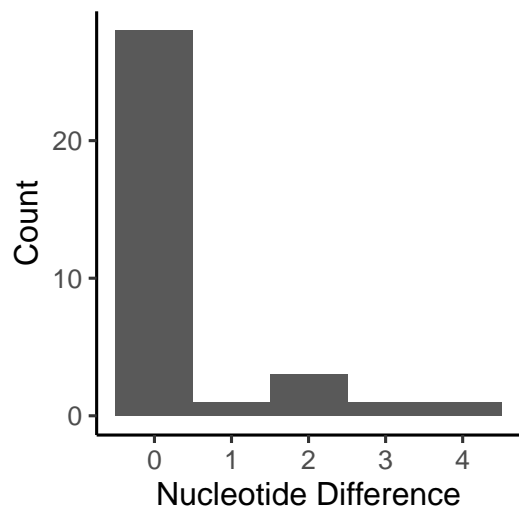
IGKV3D-11*01

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



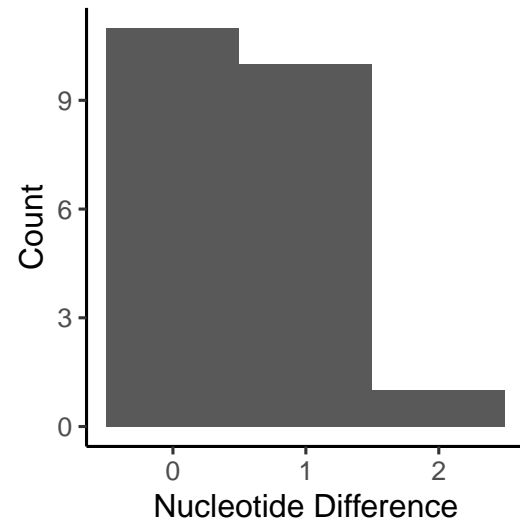
IGKV1D-16*01

34 sequences assigned
28 (82.4%) exact matches, in which:
25 unique CDR3
5 unique J



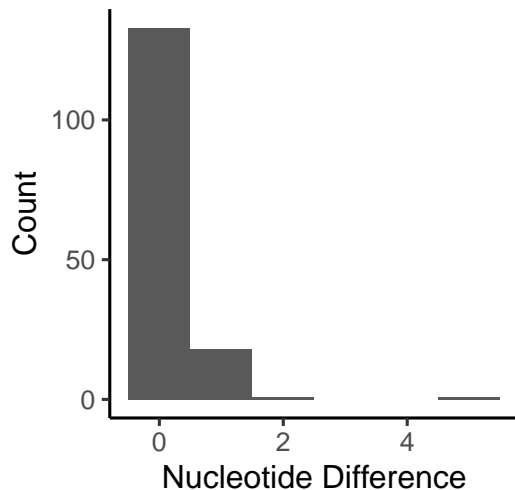
IGKV2D-26*03

22 sequences assigned
11 (50%) exact matches, in which:
10 unique CDR3
4 unique J



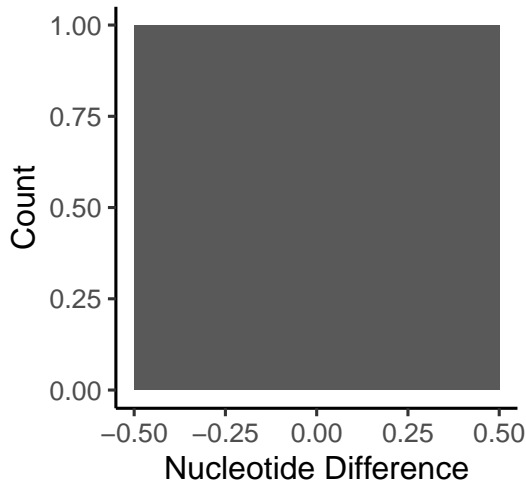
IGKV2D-29*01

153 sequences assigned
133 (86.9%) exact matches, in which:
120 unique CDR3
5 unique J



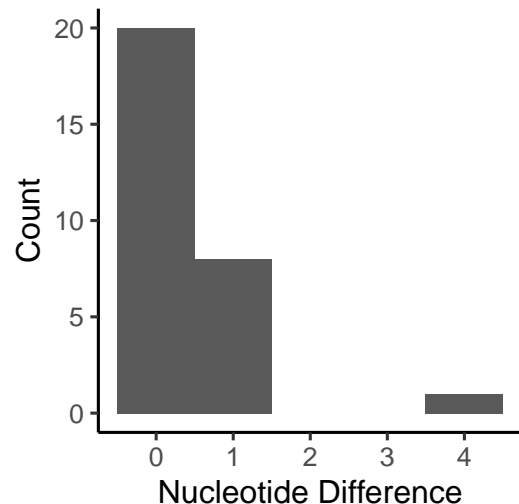
IGKV6D-41*01

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



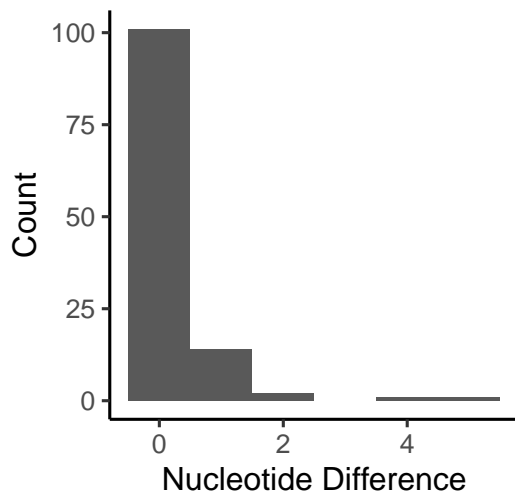
IGKV1E-12*02

29 sequences assigned
20 (69%) exact matches, in which:
19 unique CDR3
5 unique J



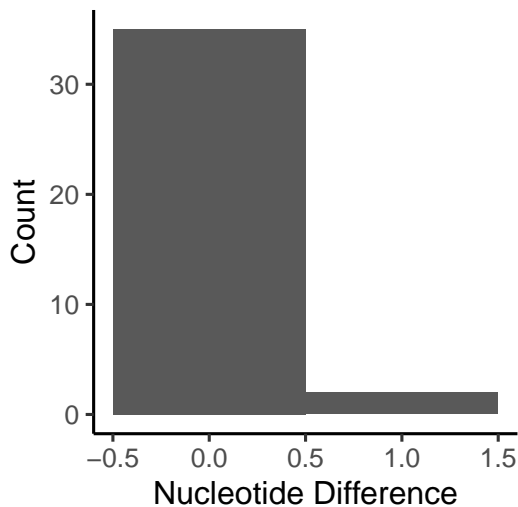
IGKV2D-29*02

119 sequences assigned
101 (84.9%) exact matches, in which:
90 unique CDR3
5 unique J



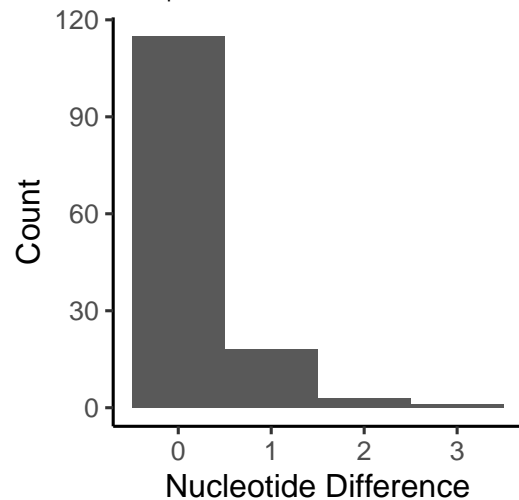
IGKV1D-43*01

37 sequences assigned
35 (94.6%) exact matches, in which:
34 unique CDR3
5 unique J



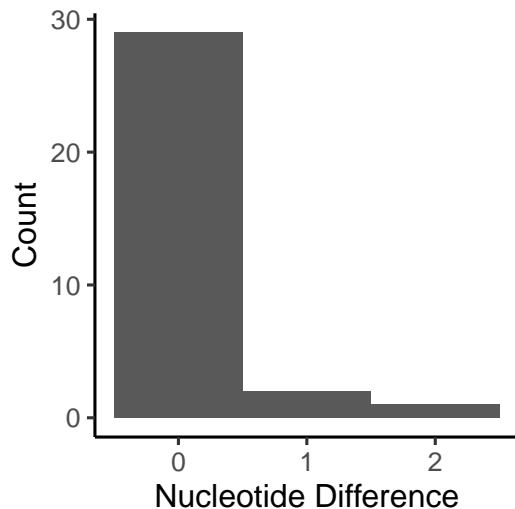
IGKV1E-12*03

137 sequences assigned
115 (83.9%) exact matches, in which:
88 unique CDR3
5 unique J



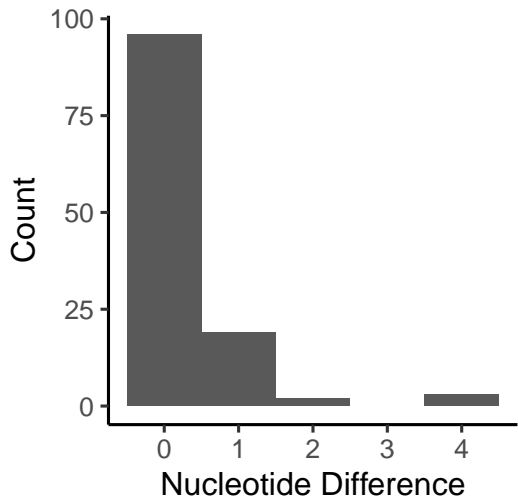
IGKV2D-30*01

32 sequences assigned
29 (90.6%) exact matches, in which:
26 unique CDR3
4 unique J



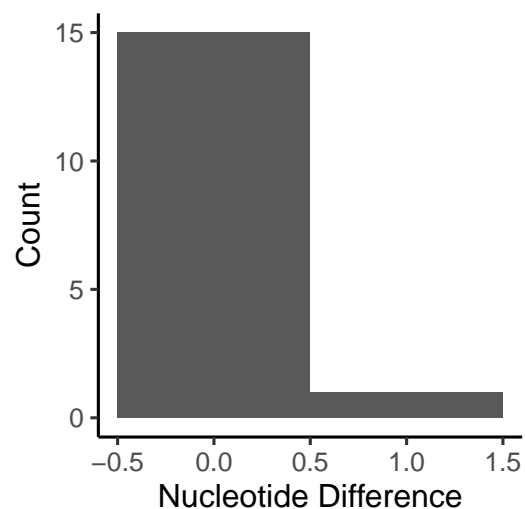
IGKV1E-12*01

120 sequences assigned
96 (80%) exact matches, in which:
70 unique CDR3
5 unique J



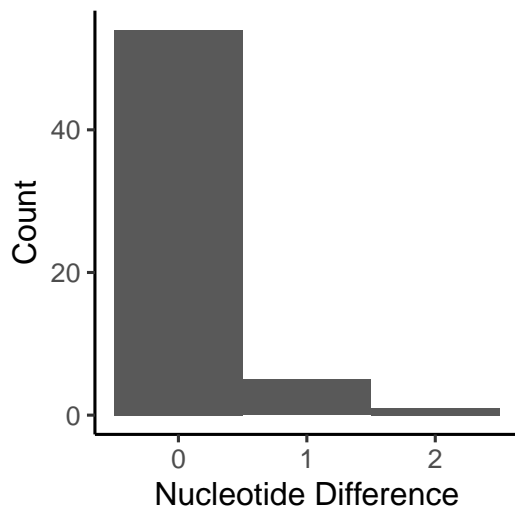
IGKV1E-13*02

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



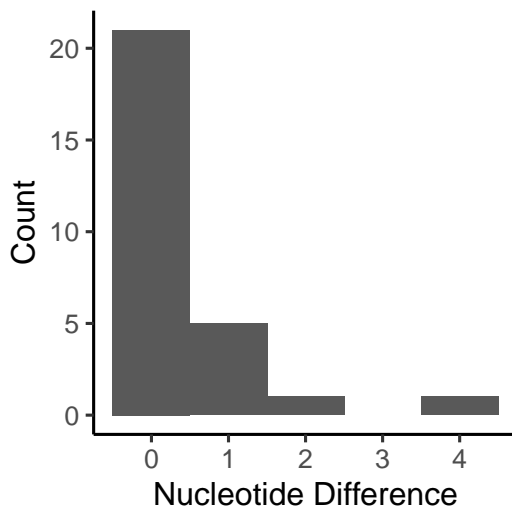
IGKV1E-13*03

60 sequences assigned
54 (90%) exact matches, in which:
47 unique CDR3
5 unique J



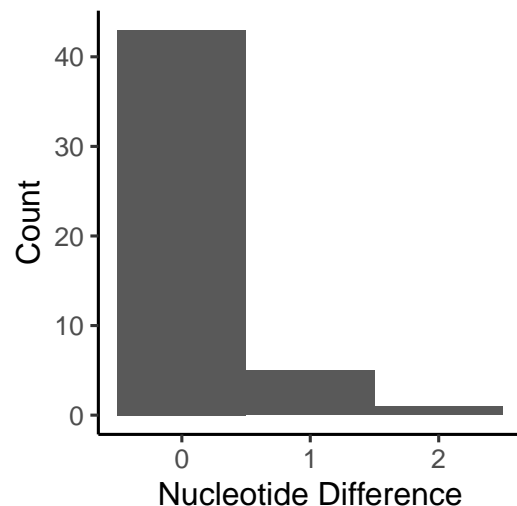
IGKV6E-21*03

28 sequences assigned
21 (75%) exact matches, in which:
20 unique CDR3
5 unique J



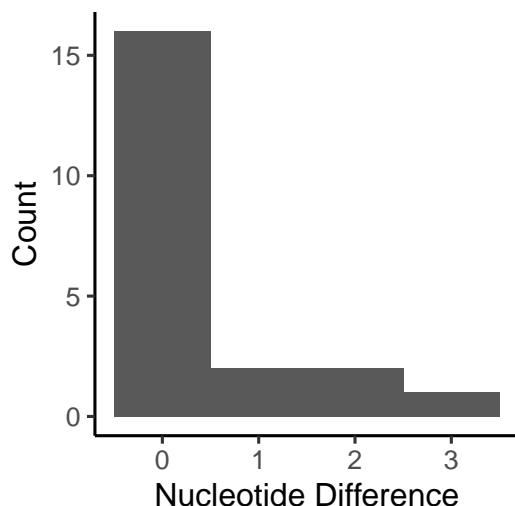
IGKV1E-37*01

49 sequences assigned
43 (87.8%) exact matches, in which:
41 unique CDR3
5 unique J



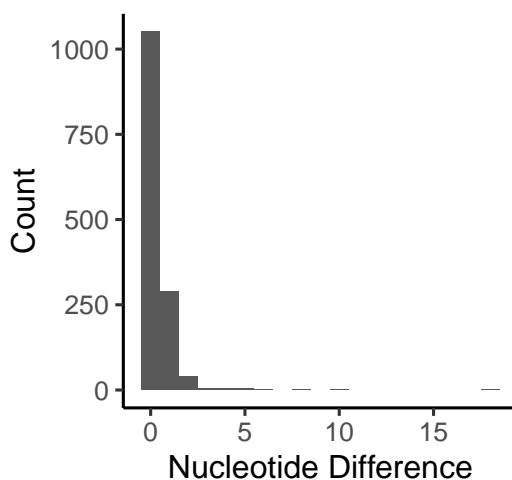
IGKV6E-21*01

21 sequences assigned
16 (76.2%) exact matches, in which:
14 unique CDR3
3 unique J



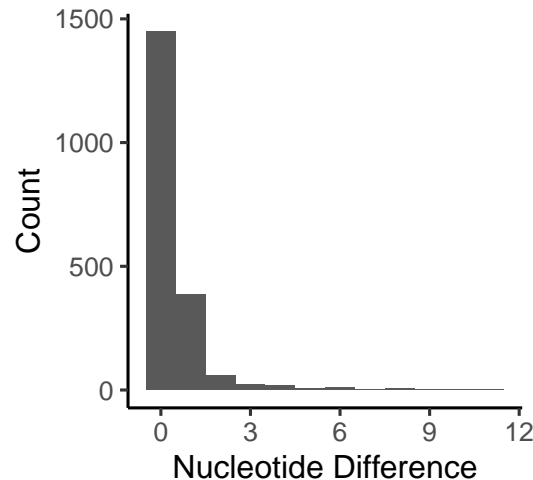
IGKV2E-28*01

1398 sequences assigned
1051 (75.2%) exact matches, in which:
765 unique CDR3
5 unique J



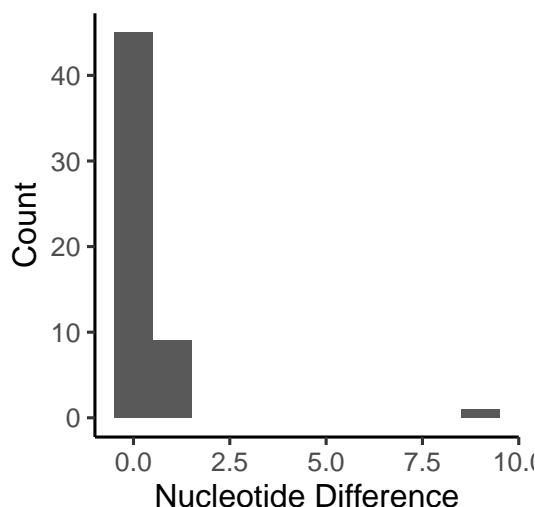
IGKV1E-39*01

1963 sequences assigned
1448 (73.8%) exact matches, in which:
1003 unique CDR3
5 unique J



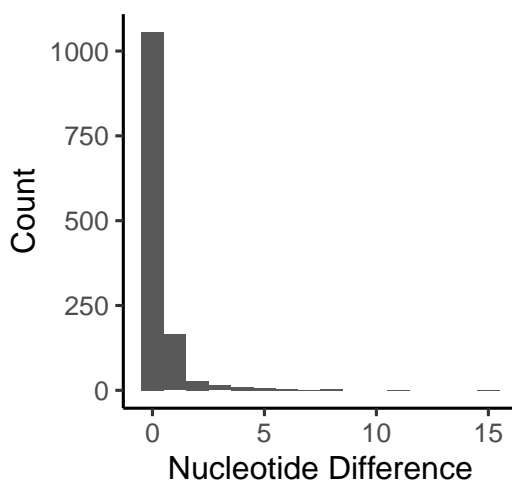
IGKV6E-21*02

55 sequences assigned
45 (81.8%) exact matches, in which:
40 unique CDR3
5 unique J



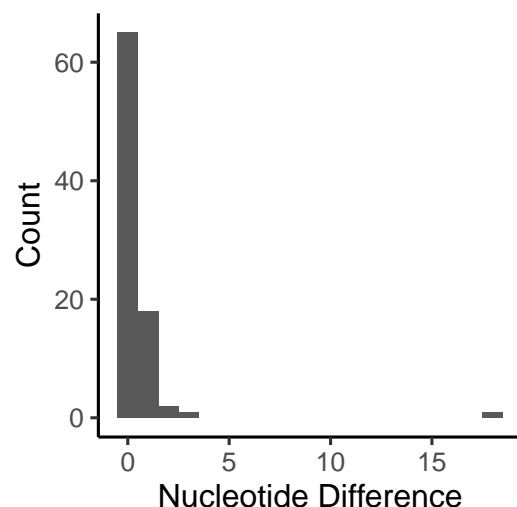
IGKV1E-33*01

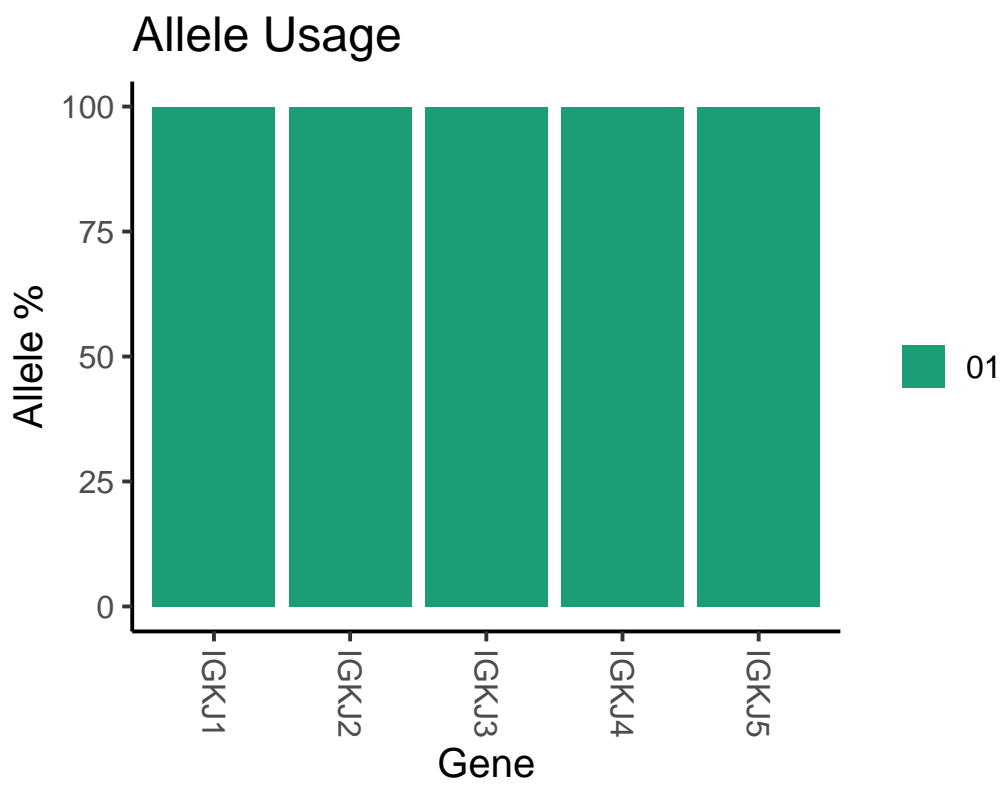
1288 sequences assigned
1056 (82%) exact matches, in which:
782 unique CDR3
5 unique J



IGKV2E-40*01

87 sequences assigned
65 (74.7%) exact matches, in which:
57 unique CDR3
5 unique J





Warning – no inferred sequences found.