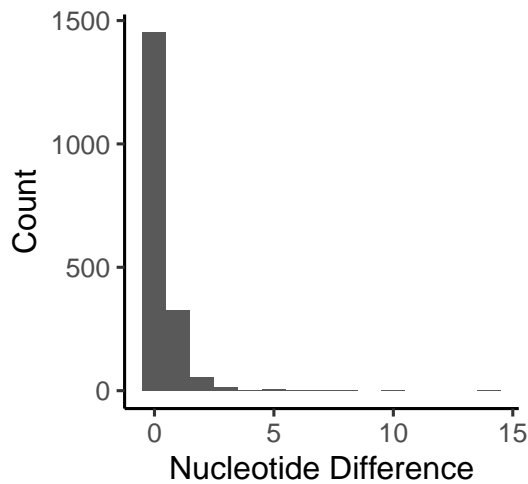


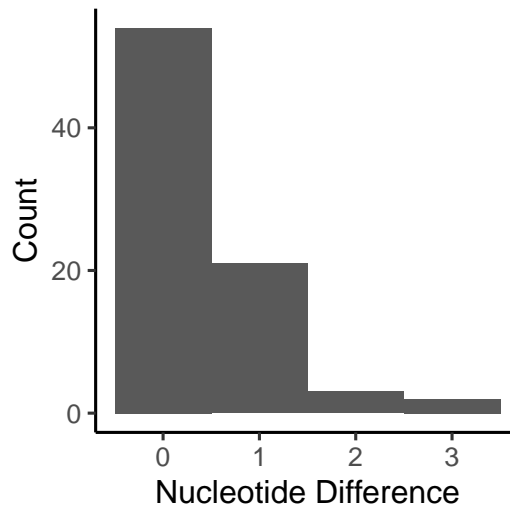
IGKV1-5*01

1864 sequences assigned
1452 (77.9%) exact matches, in which:
1046 unique CDR3
5 unique J



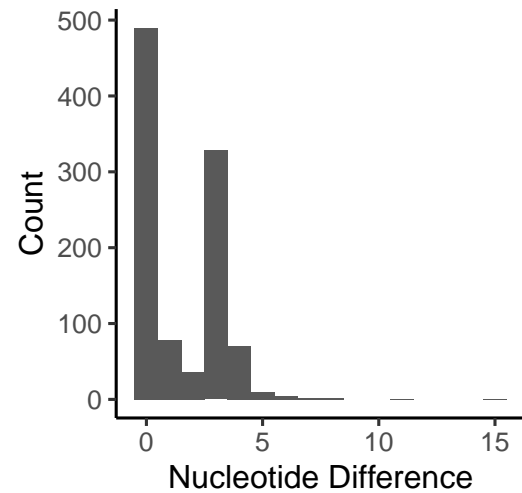
IGKV1-6*01_G9A

80 sequences assigned
54 (67.5%) exact matches, in which:
44 unique CDR3
5 unique J



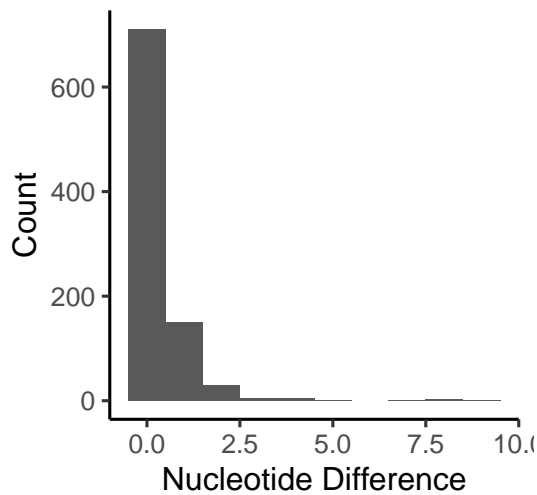
IGKV1-9*01

1022 sequences assigned
490 (47.9%) exact matches, in which:
362 unique CDR3
5 unique J



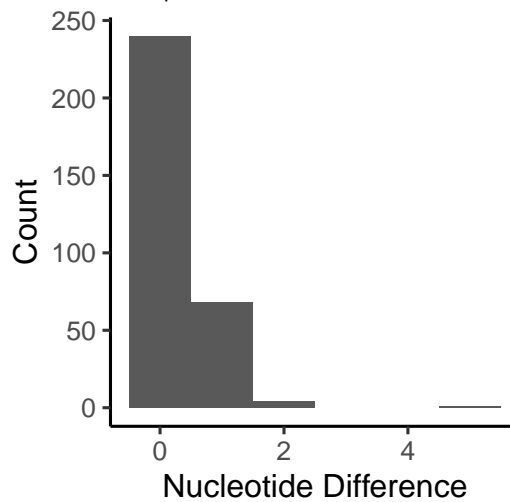
IGKV1-5*03

905 sequences assigned
711 (78.6%) exact matches, in which:
554 unique CDR3
5 unique J



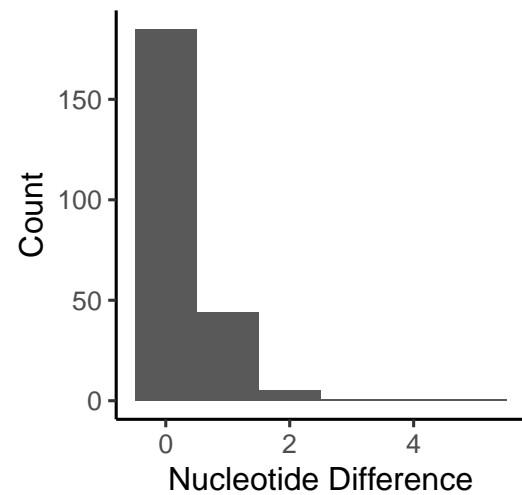
IGKV1-8*01

313 sequences assigned
240 (76.7%) exact matches, in which:
186 unique CDR3
5 unique J



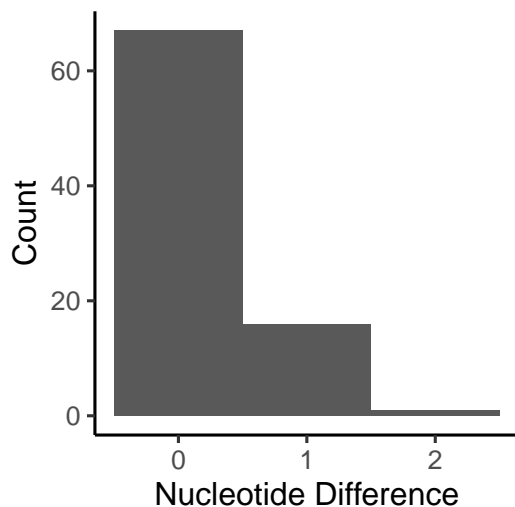
IGKV1-16*02

237 sequences assigned
185 (78.1%) exact matches, in which:
123 unique CDR3
5 unique J



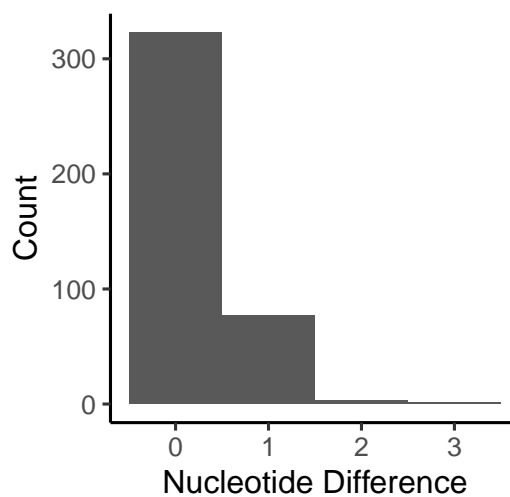
IGKV1-6*01

84 sequences assigned
67 (79.8%) exact matches, in which:
52 unique CDR3
5 unique J



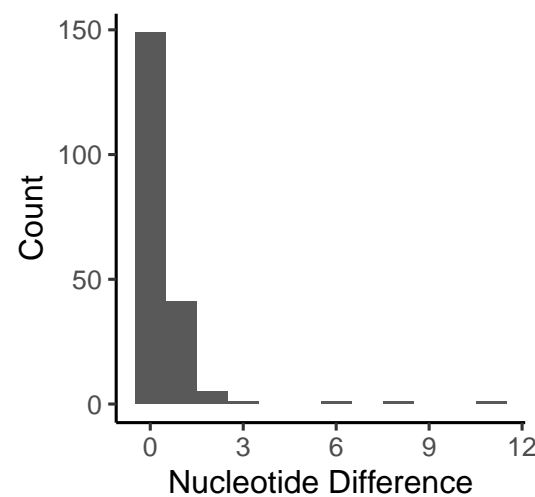
IGKV1-8*01_T31C

404 sequences assigned
323 (80%) exact matches, in which:
253 unique CDR3
5 unique J



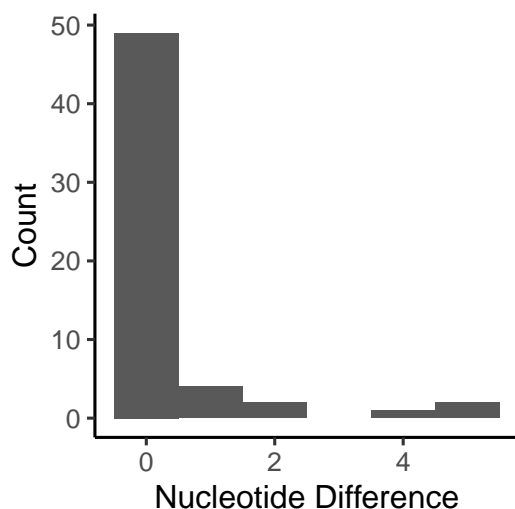
IGKV1-17*01

199 sequences assigned
149 (74.9%) exact matches, in which:
107 unique CDR3
5 unique J



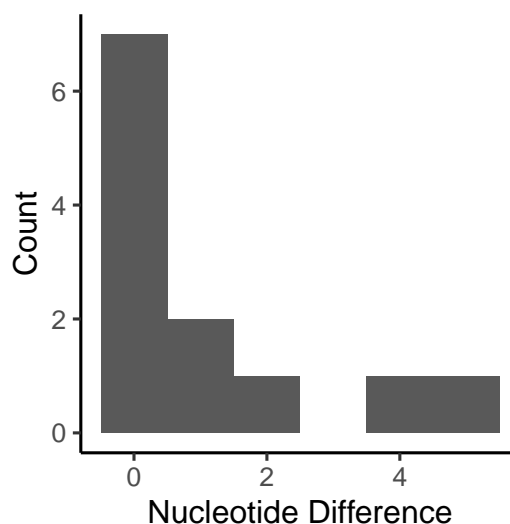
IGKV1-17*03

58 sequences assigned
49 (84.5%) exact matches, in which:
40 unique CDR3
5 unique J



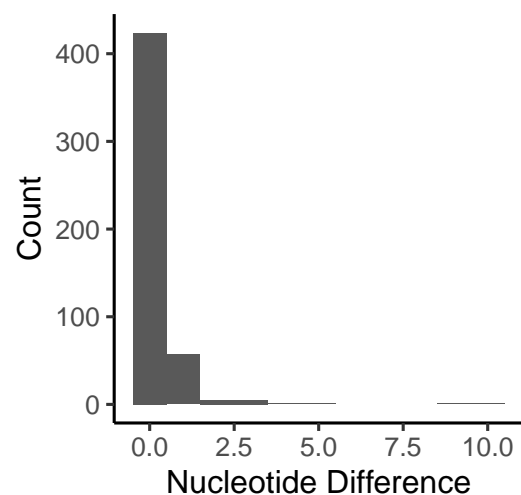
IGKV2/OR22-4*01

12 sequences assigned
7 (58.3%) exact matches, in which:
6 unique CDR3
3 unique J



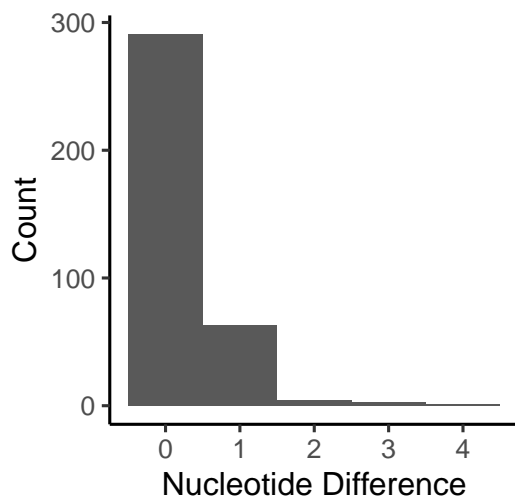
IGKV2-30*01

495 sequences assigned
424 (85.7%) exact matches, in which:
342 unique CDR3
5 unique J



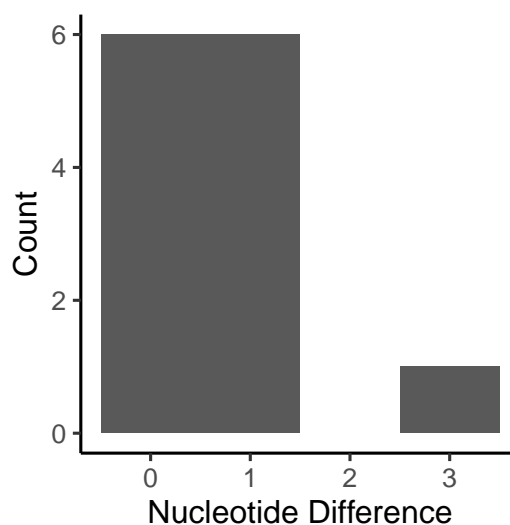
IGKV1-27*01

362 sequences assigned
291 (80.4%) exact matches, in which:
201 unique CDR3
5 unique J



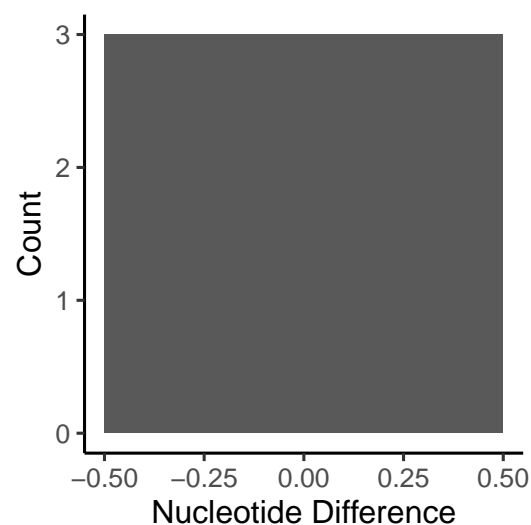
IGKV2-18*01

13 sequences assigned
6 (46.2%) exact matches, in which:
6 unique CDR3
3 unique J



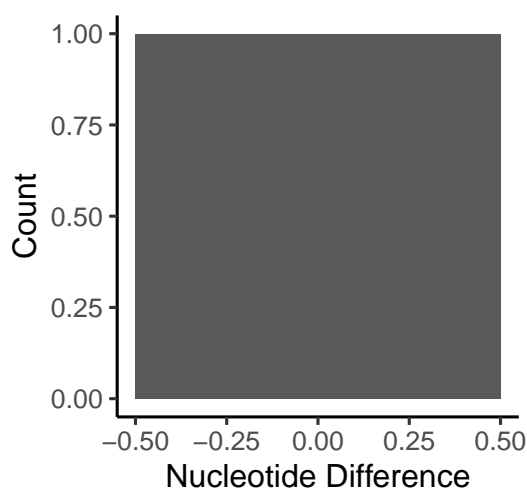
IGKV1/OR2-108*01

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



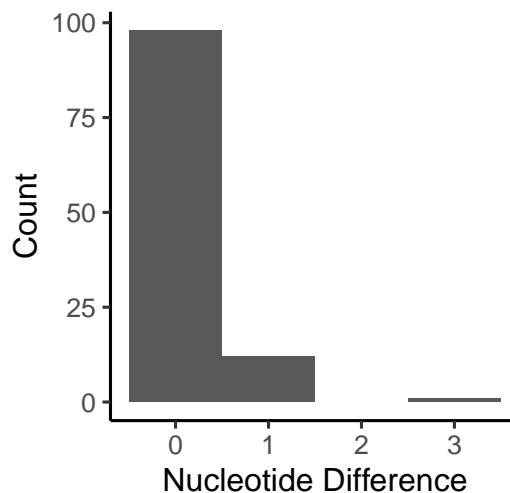
IGKV1/OR2-1*01

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



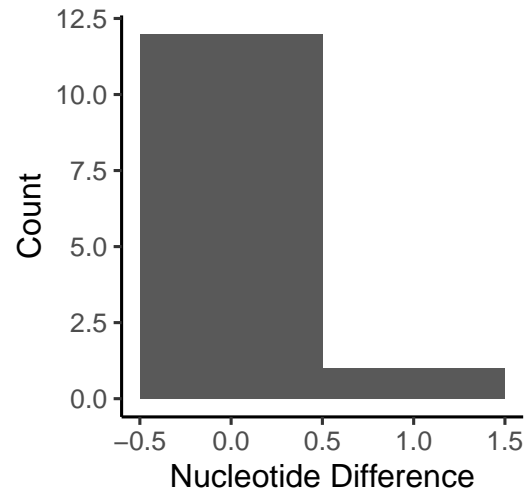
IGKV2-24*01

111 sequences assigned
98 (88.3%) exact matches, in which:
79 unique CDR3
5 unique J



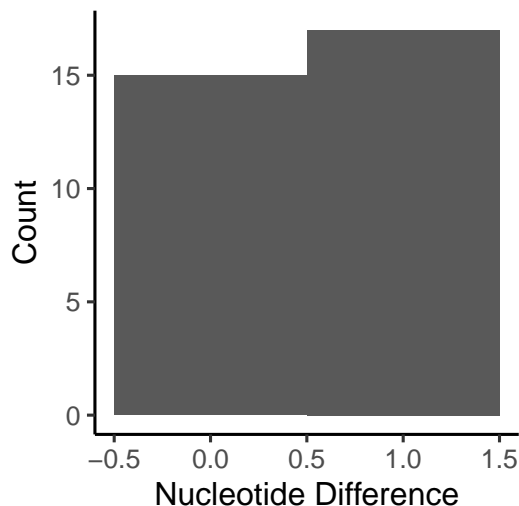
IGKV3/OR2-268*01

13 sequences assigned
12 (92.3%) exact matches, in which:
11 unique CDR3
5 unique J



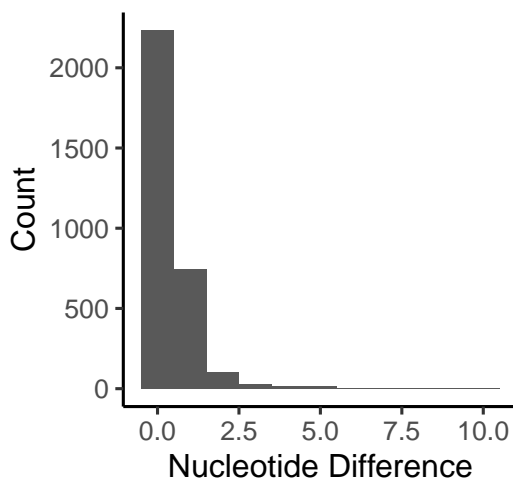
IGKV3-7*04

32 sequences assigned
15 (46.9%) exact matches, in which:
15 unique CDR3
5 unique J



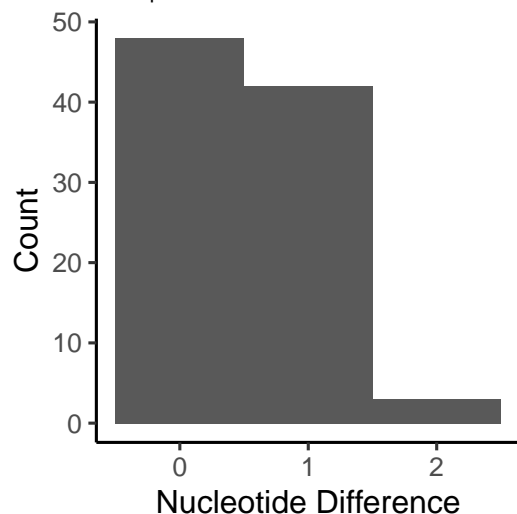
IGKV3-20*01

3158 sequences assigned
2233 (70.7%) exact matches, in which:
1539 unique CDR3
5 unique J



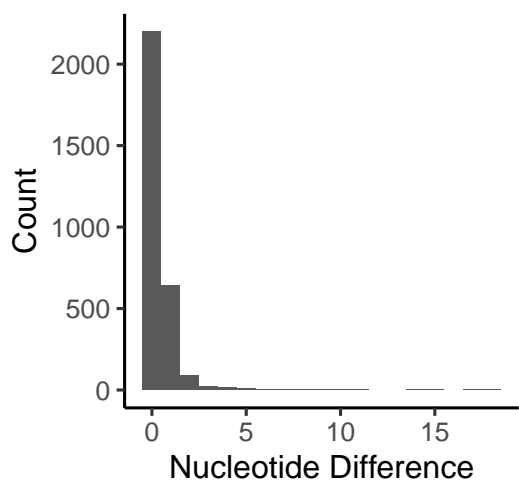
IGKV5-2*01

93 sequences assigned
48 (51.6%) exact matches, in which:
40 unique CDR3
5 unique J



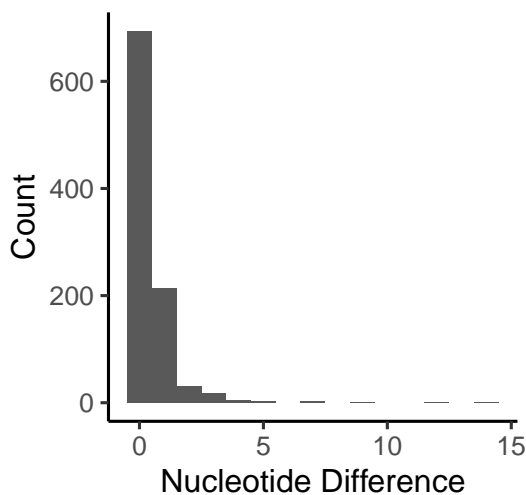
IGKV3-11*01

3005 sequences assigned
2199 (73.2%) exact matches, in which:
1429 unique CDR3
5 unique J



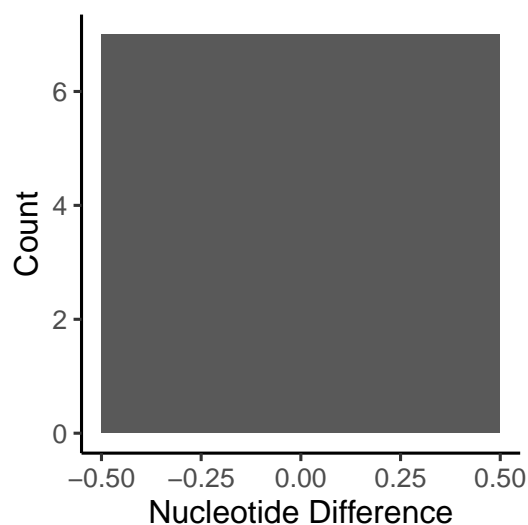
IGKV4-1*01

969 sequences assigned
694 (71.6%) exact matches, in which:
447 unique CDR3
5 unique J



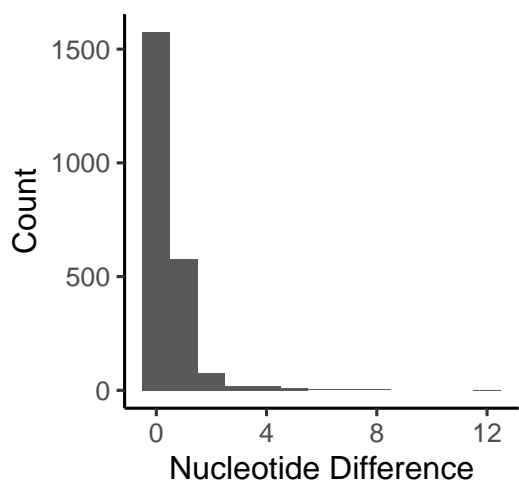
IGKV7-3*01

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



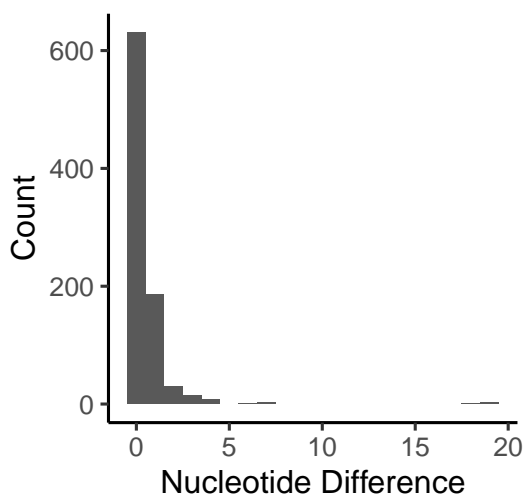
IGKV3-15*01

2284 sequences assigned
1575 (69%) exact matches, in which:
1084 unique CDR3
5 unique J



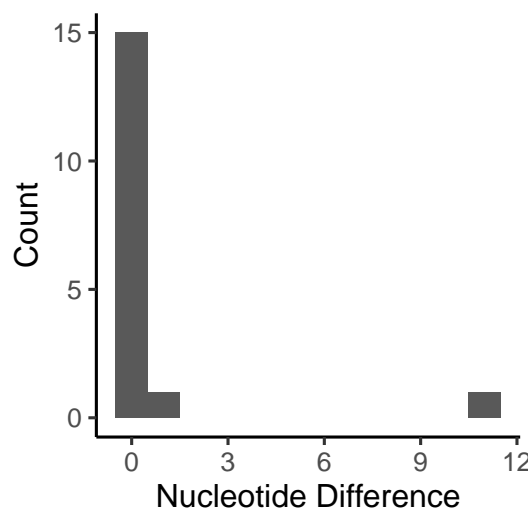
IGKV4-1*01_A318G

875 sequences assigned
631 (72.1%) exact matches, in which:
417 unique CDR3
5 unique J



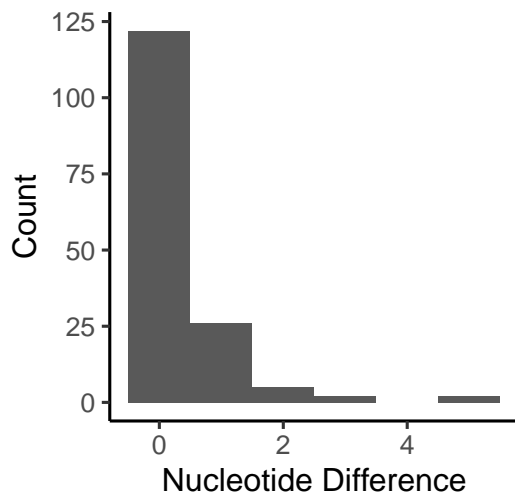
IGKV3D-7*01

17 sequences assigned
15 (88.2%) exact matches, in which:
13 unique CDR3
4 unique J



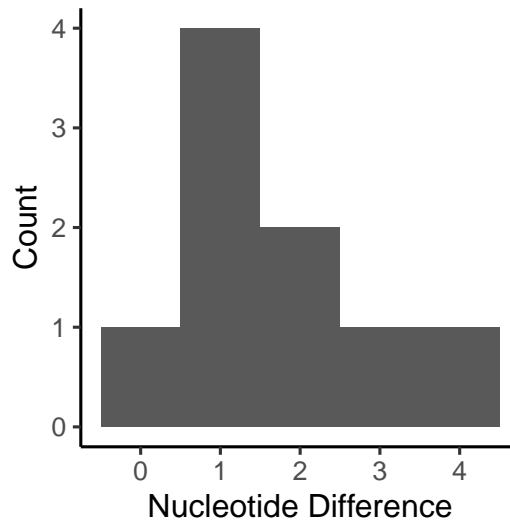
IGKV1D-8*01

157 sequences assigned
122 (77.7%) exact matches, in which:
83 unique CDR3
5 unique J



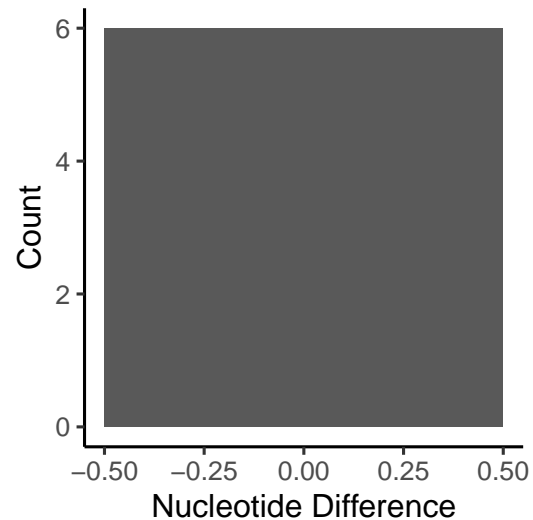
IGKV3D-15*01

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



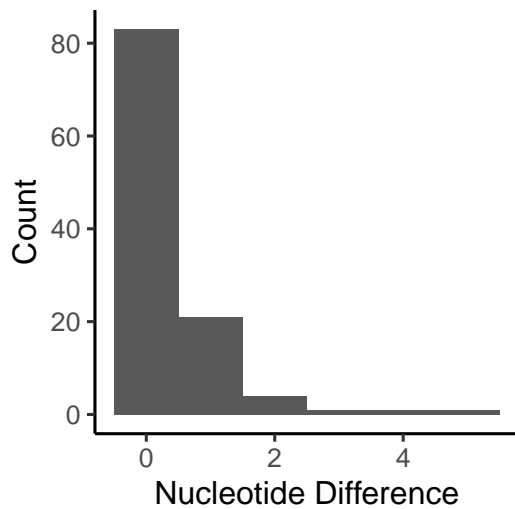
IGKV1D-16*02

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



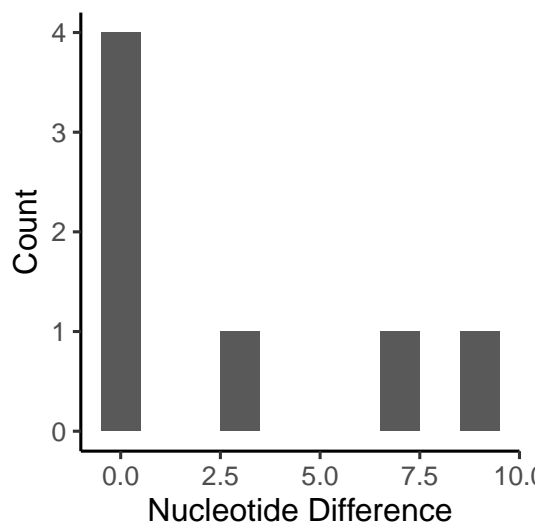
IGKV1D-8*03

111 sequences assigned
83 (74.8%) exact matches, in which:
52 unique CDR3
5 unique J



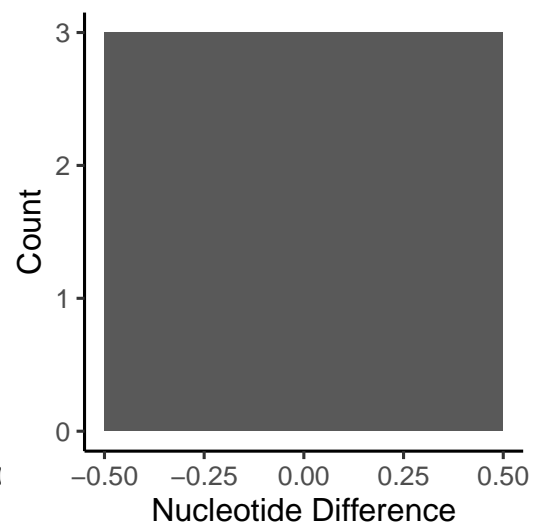
IGKV3D-15*03

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



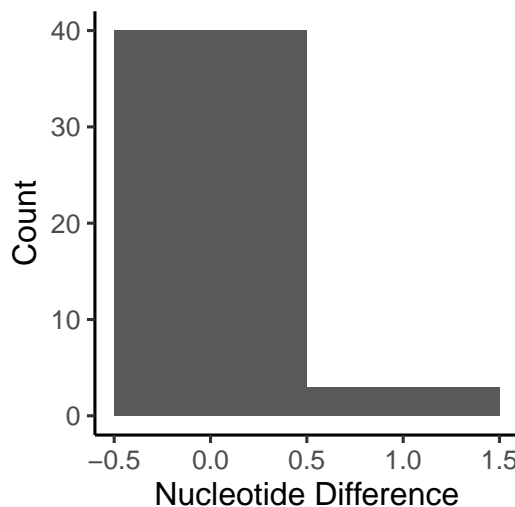
IGKV1D-17*01

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



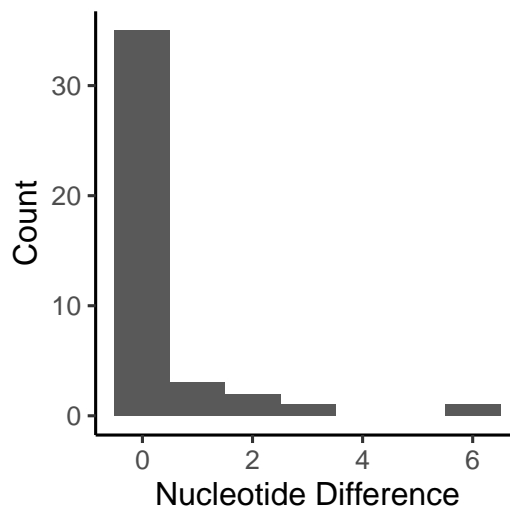
IGKV3D-11*02

43 sequences assigned
40 (93%) exact matches, in which:
39 unique CDR3
5 unique J



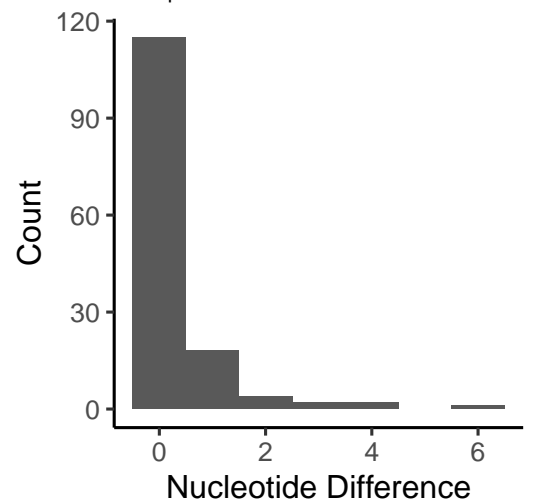
IGKV1D-16*01

42 sequences assigned
35 (83.3%) exact matches, in which:
24 unique CDR3
5 unique J



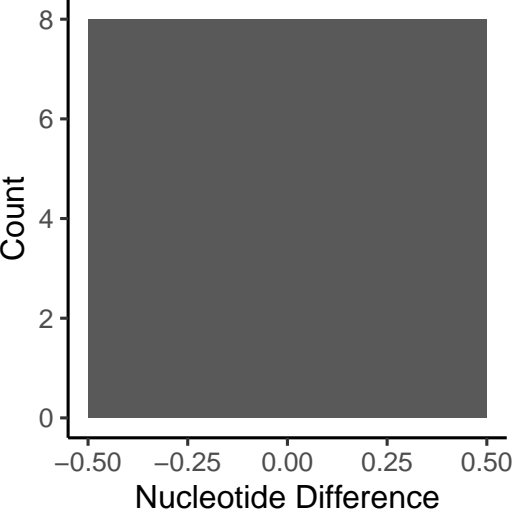
IGKV3D-20*01

142 sequences assigned
115 (81%) exact matches, in which:
95 unique CDR3
5 unique J



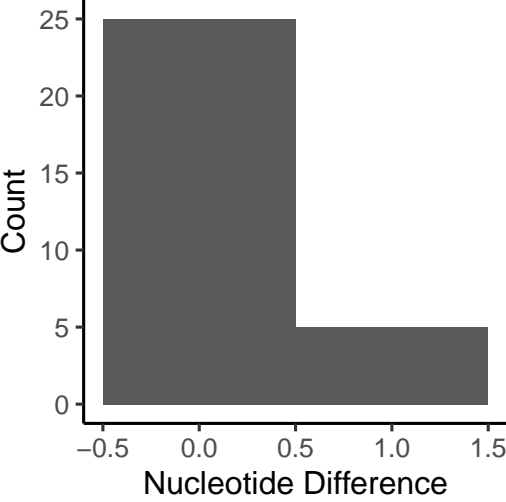
IGKV2D-24*01

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



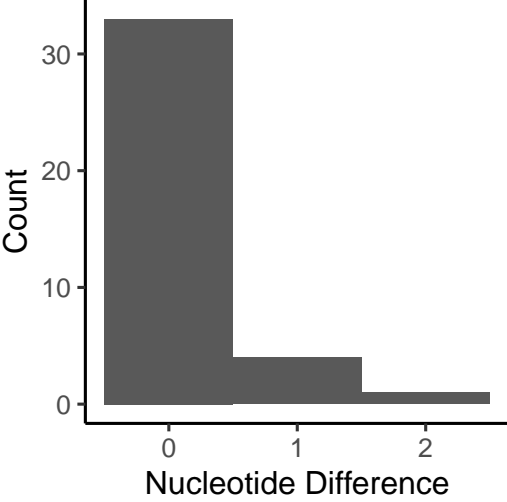
IGKV2D-29*02

30 sequences assigned
25 (83.3%) exact matches, in which:
22 unique CDR3
5 unique J



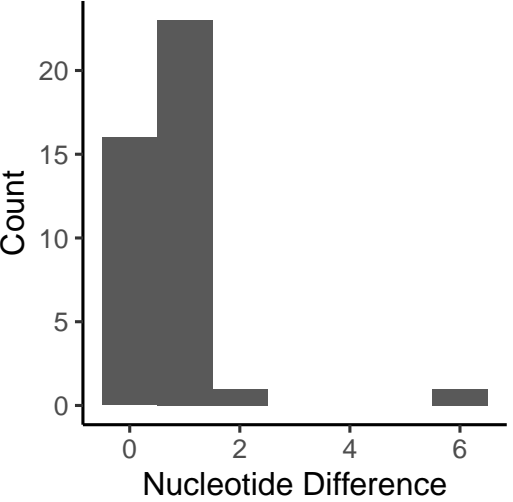
IGKV1D-43*01

38 sequences assigned
33 (86.8%) exact matches, in which:
31 unique CDR3
5 unique J



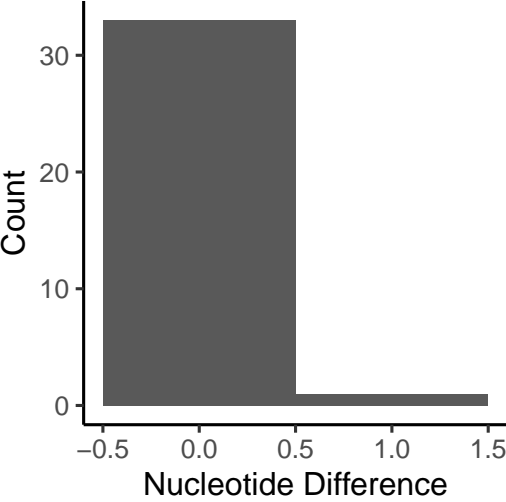
IGKV2D-26*03

41 sequences assigned
16 (39%) exact matches, in which:
15 unique CDR3
5 unique J



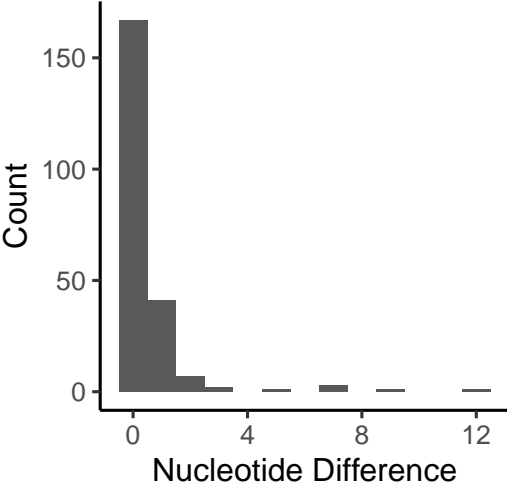
IGKV2D-30*01

34 sequences assigned
33 (97.1%) exact matches, in which:
31 unique CDR3
5 unique J



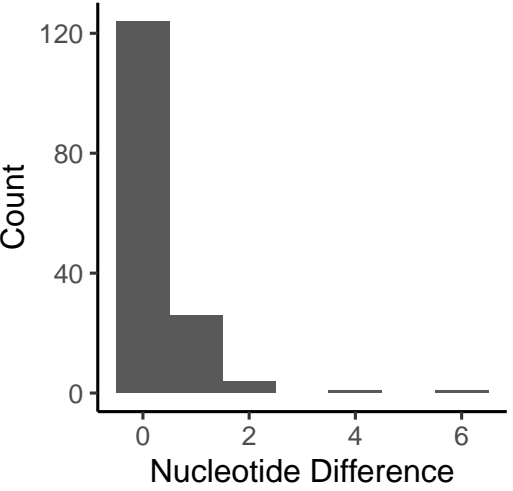
IGKV1E-12*01

223 sequences assigned
167 (74.9%) exact matches, in which:
107 unique CDR3
5 unique J



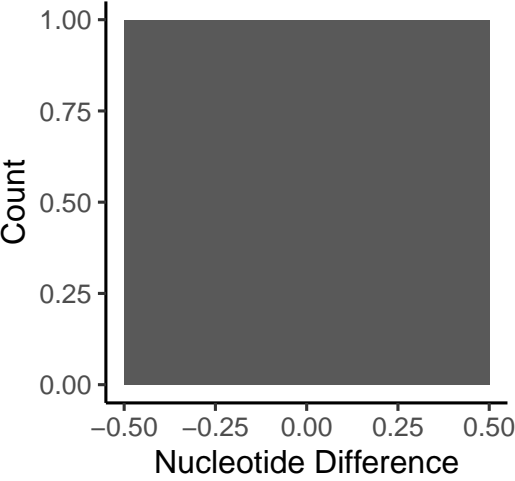
IGKV2D-29*01

156 sequences assigned
124 (79.5%) exact matches, in which:
102 unique CDR3
5 unique J



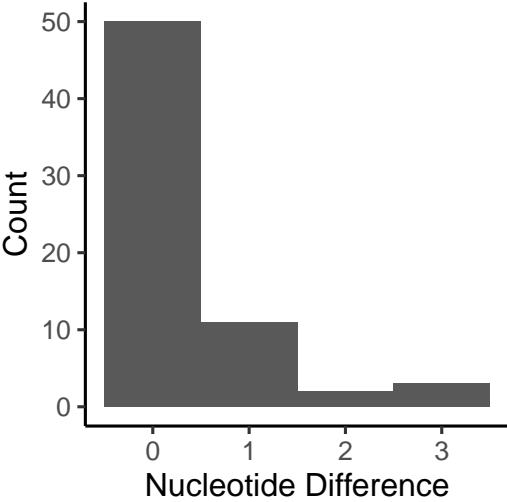
IGKV6D-41*01

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



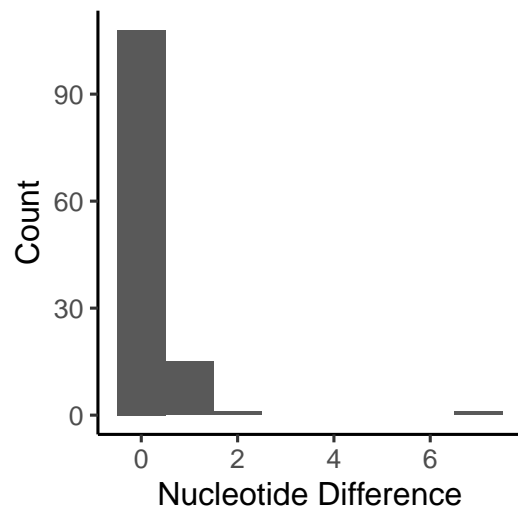
IGKV1E-12*02

66 sequences assigned
50 (75.8%) exact matches, in which:
36 unique CDR3
5 unique J



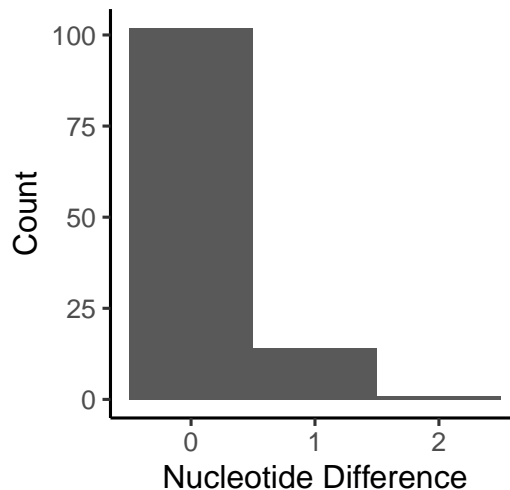
IGKV1E-12*03

125 sequences assigned
108 (86.4%) exact matches, in which:
81 unique CDR3
5 unique J



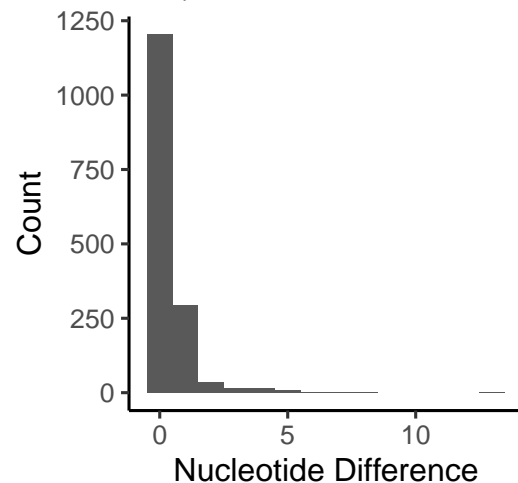
IGKV6E-21*01

117 sequences assigned
102 (87.2%) exact matches, in which:
80 unique CDR3
5 unique J



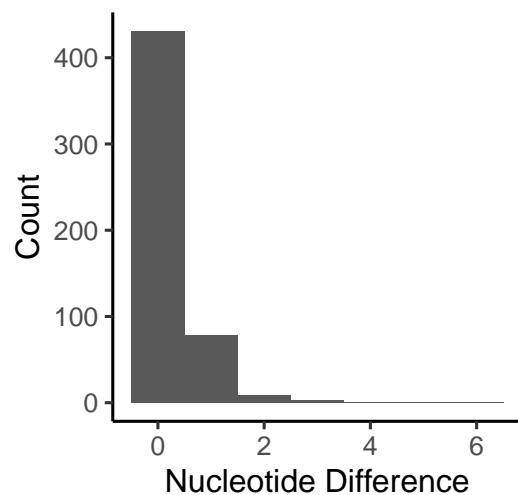
IGKV1E-33*01

1578 sequences assigned
1204 (76.3%) exact matches, in which:
807 unique CDR3
5 unique J



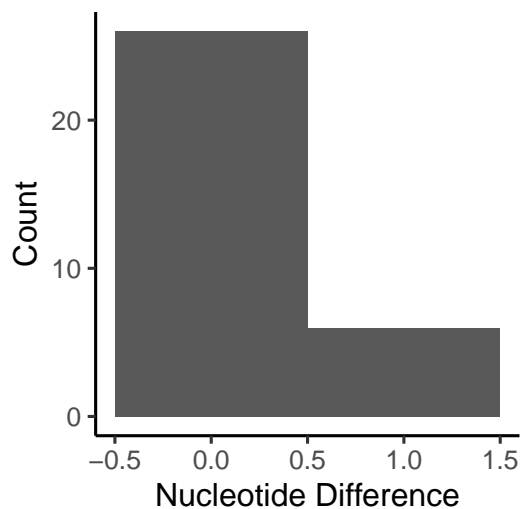
IGKV1E-13*02

524 sequences assigned
431 (82.3%) exact matches, in which:
314 unique CDR3
5 unique J



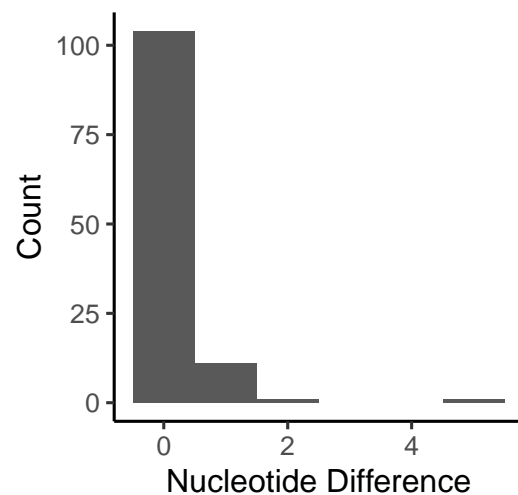
IGKV6E-21*03

32 sequences assigned
26 (81.2%) exact matches, in which:
24 unique CDR3
5 unique J



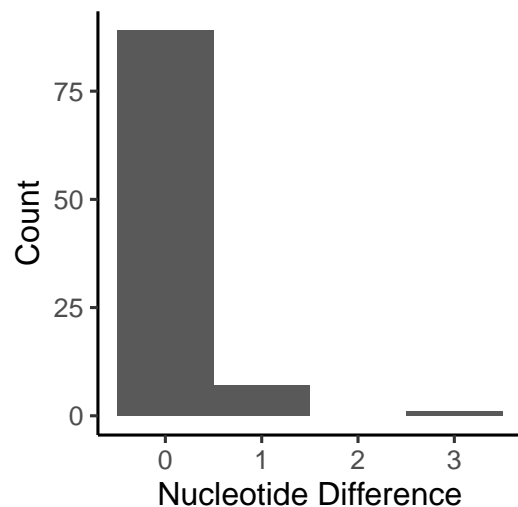
IGKV1E-37*01

117 sequences assigned
104 (88.9%) exact matches, in which:
89 unique CDR3
5 unique J



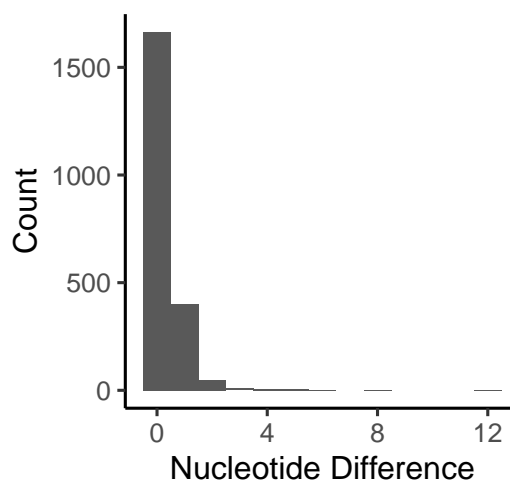
IGKV1E-13*03

97 sequences assigned
89 (91.8%) exact matches, in which:
75 unique CDR3
5 unique J



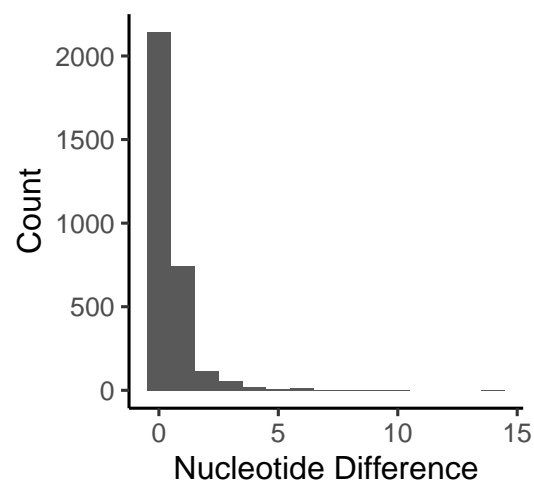
IGKV2E-28*01

2140 sequences assigned
1664 (77.8%) exact matches, in which:
1043 unique CDR3
5 unique J



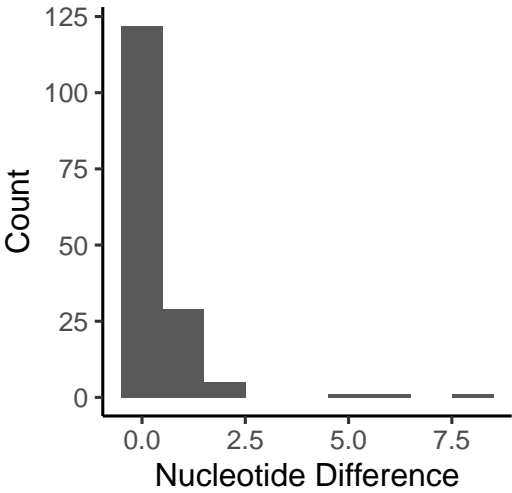
IGKV1E-39*01

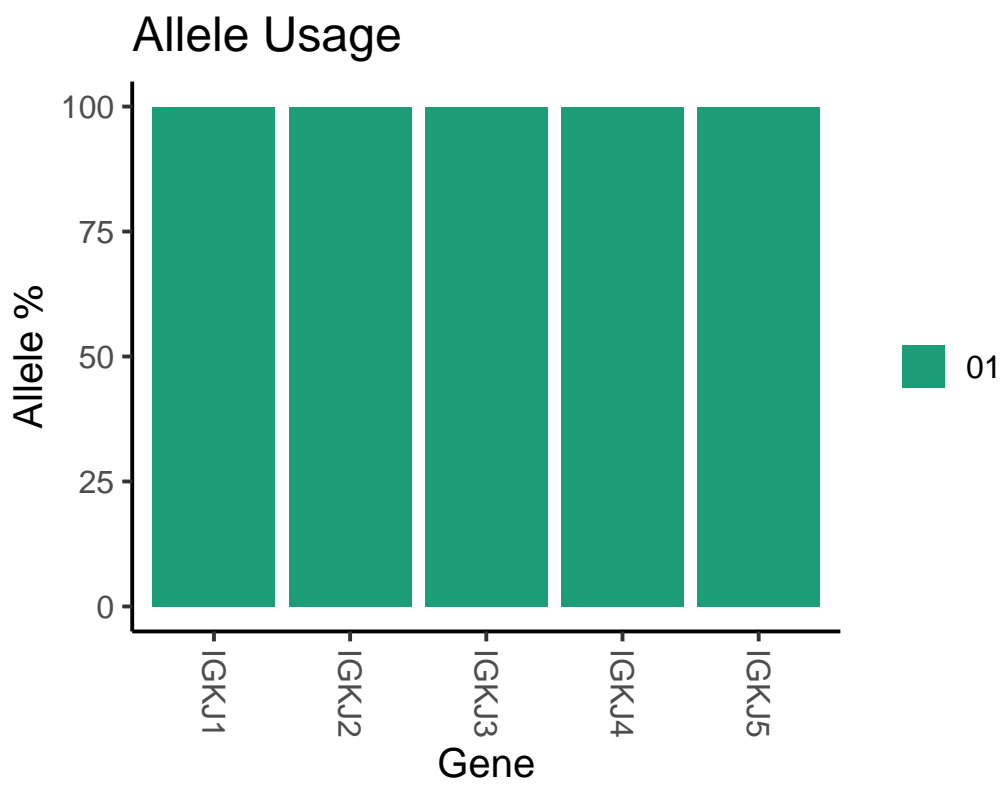
3103 sequences assigned
2143 (69.1%) exact matches, in which:
1328 unique CDR3
5 unique J



IGKV2E-40*01

159 sequences assigned
122 (76.7%) exact matches, in which:
83 unique CDR3
5 unique J





Warning – no inferred sequences found.