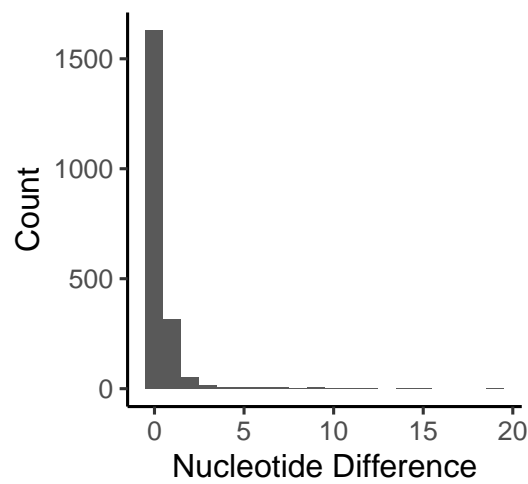


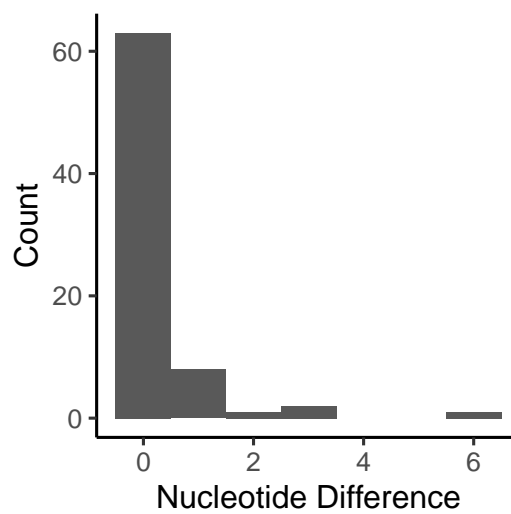
IGKV1-5*01

2055 sequences assigned
1629 (79.3%) exact matches, in which:
1247 unique CDR3
5 unique J



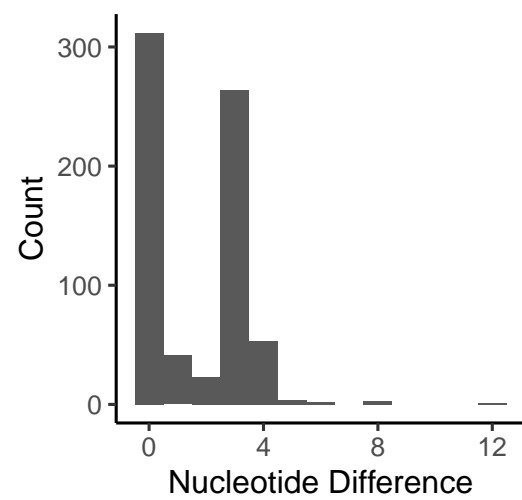
IGKV1-6*01_G9A

75 sequences assigned
63 (84%) exact matches, in which:
57 unique CDR3
5 unique J



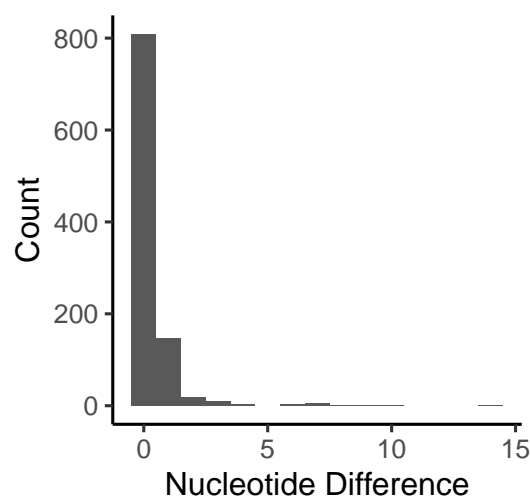
IGKV1-9*01

703 sequences assigned
312 (44.4%) exact matches, in which:
253 unique CDR3
5 unique J



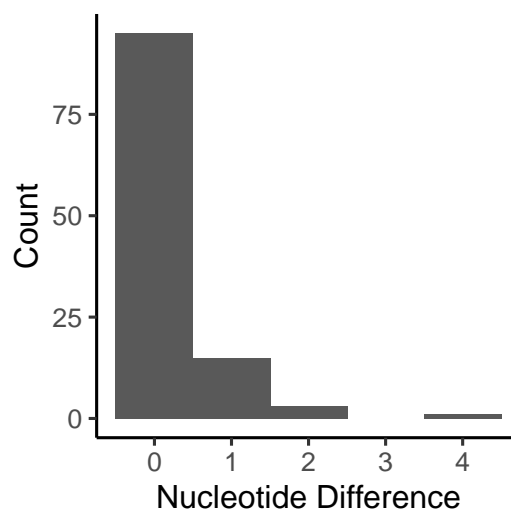
IGKV1-5*03

1004 sequences assigned
809 (80.6%) exact matches, in which:
660 unique CDR3
5 unique J



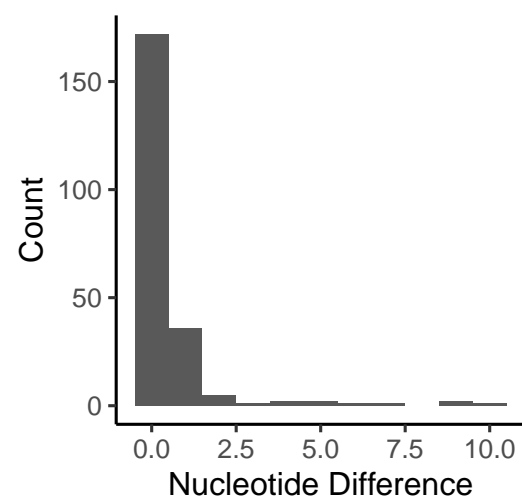
IGKV1-8*01

114 sequences assigned
95 (83.3%) exact matches, in which:
83 unique CDR3
5 unique J



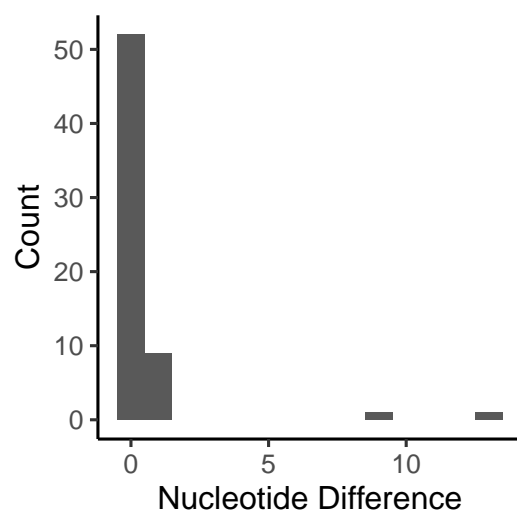
IGKV1-16*02

223 sequences assigned
172 (77.1%) exact matches, in which:
121 unique CDR3
5 unique J



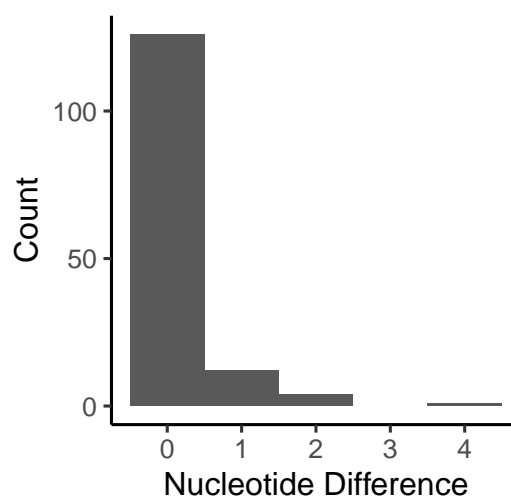
IGKV1-6*01

63 sequences assigned
52 (82.5%) exact matches, in which:
46 unique CDR3
5 unique J



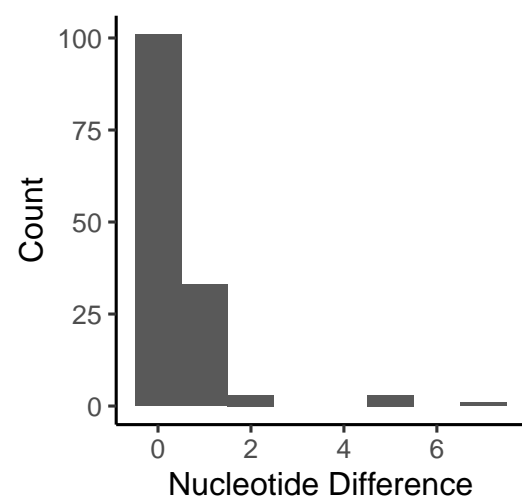
IGKV1-8*01_T31C

143 sequences assigned
126 (88.1%) exact matches, in which:
111 unique CDR3
5 unique J



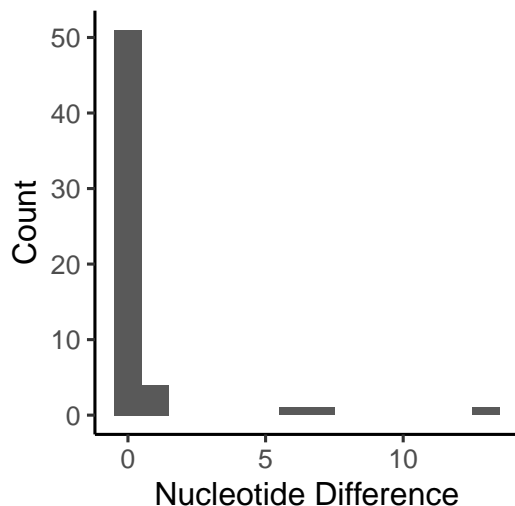
IGKV1-17*01

141 sequences assigned
101 (71.6%) exact matches, in which:
85 unique CDR3
5 unique J



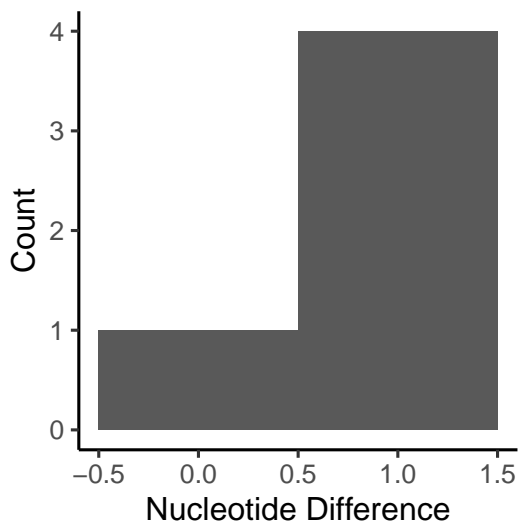
IGKV1-17*03

58 sequences assigned
51 (87.9%) exact matches, in which:
42 unique CDR3
5 unique J



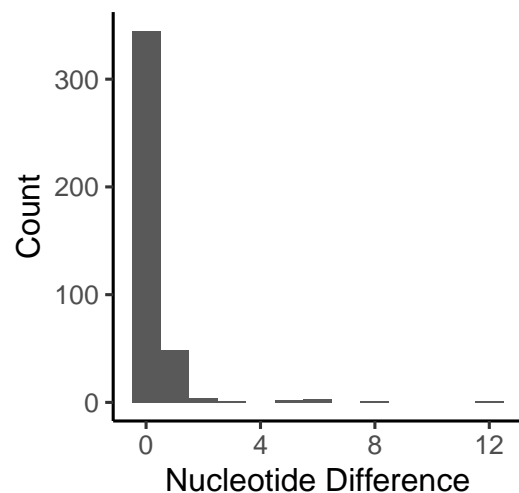
IGKV2-18*01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



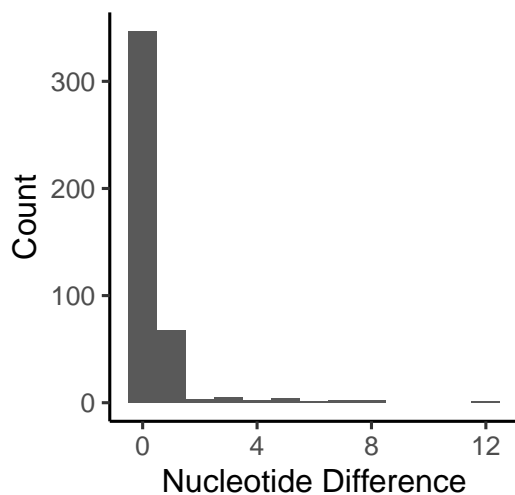
IGKV2-30*01

406 sequences assigned
345 (85%) exact matches, in which:
298 unique CDR3
5 unique J



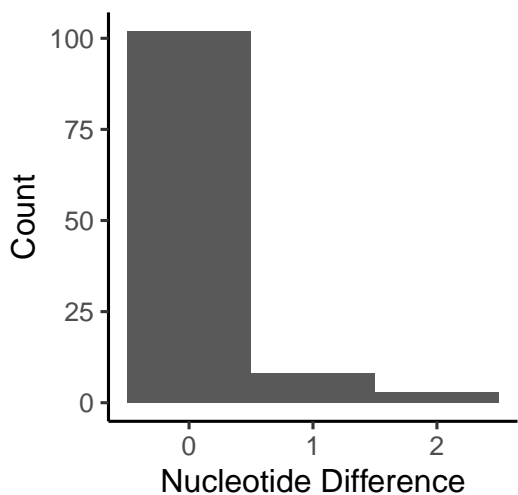
IGKV1-27*01

435 sequences assigned
347 (79.8%) exact matches, in which:
256 unique CDR3
5 unique J



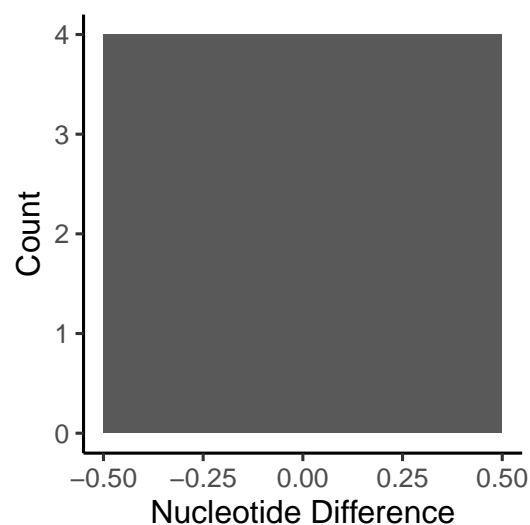
IGKV2-24*01

113 sequences assigned
102 (90.3%) exact matches, in which:
90 unique CDR3
5 unique J



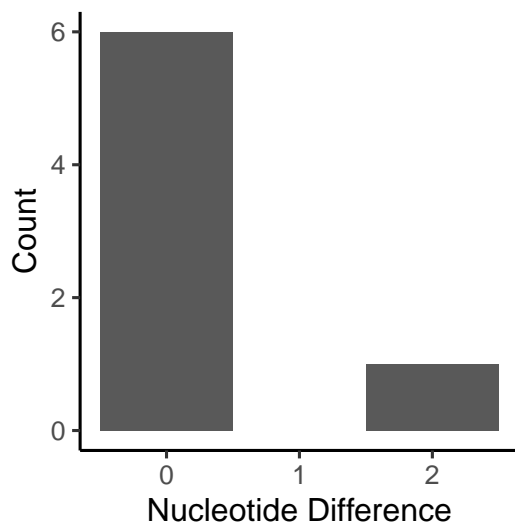
IGKV1/OR2-108*01

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



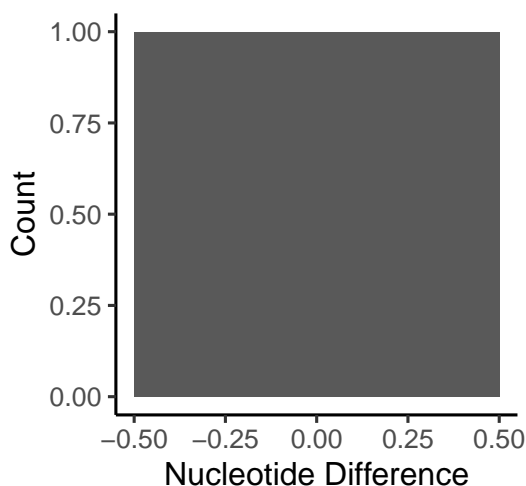
IGKV2/OR22-4*01

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



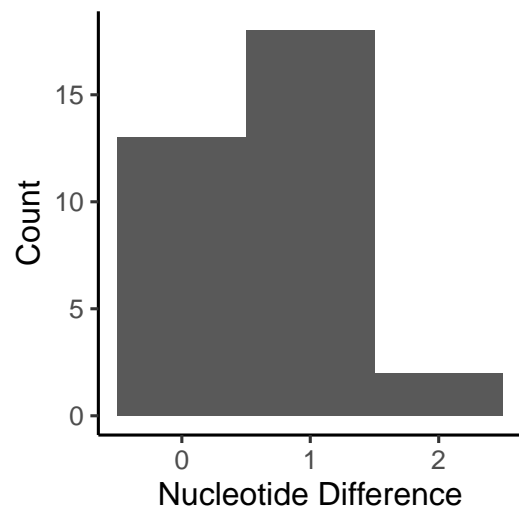
IGKV2-29*03

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



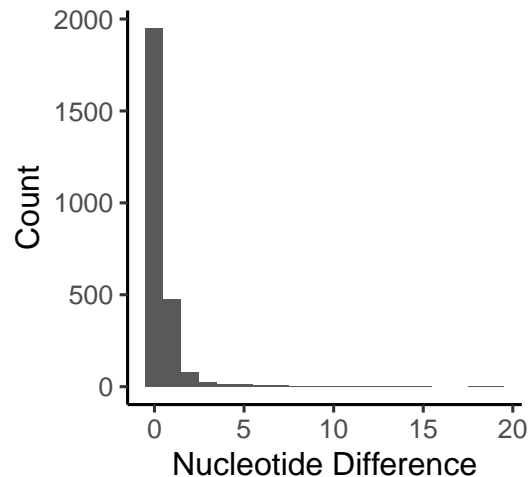
IGKV3-7*04

33 sequences assigned
13 (39.4%) exact matches, in which:
12 unique CDR3
4 unique J



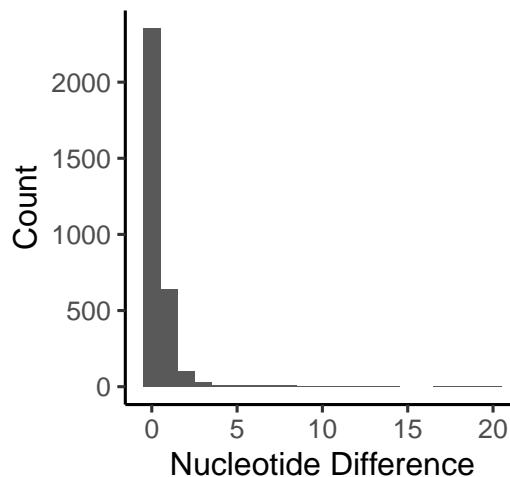
IGKV3-11*01

2593 sequences assigned
1949 (75.2%) exact matches, in which:
1413 unique CDR3
5 unique J



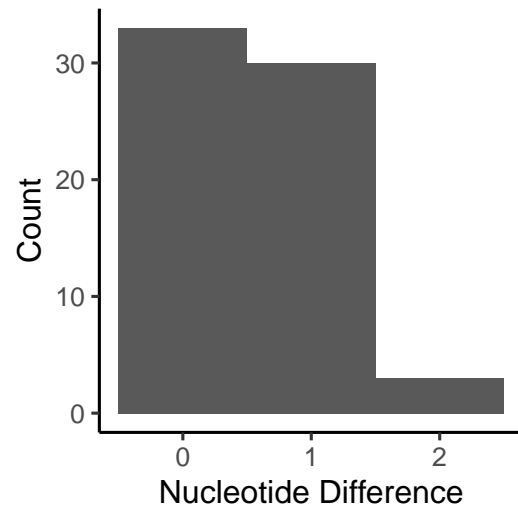
IGKV3-20*01

3203 sequences assigned
2353 (73.5%) exact matches, in which:
1717 unique CDR3
5 unique J



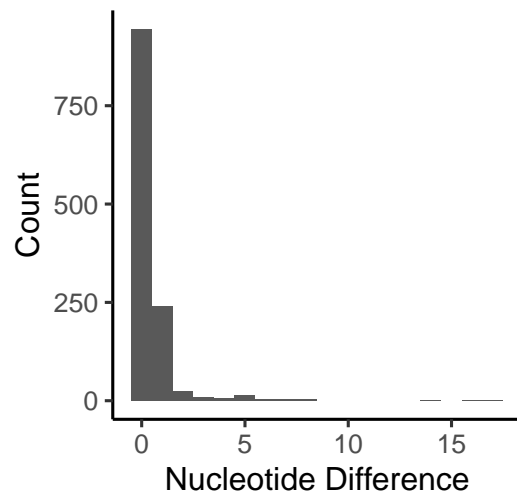
IGKV5-2*01

66 sequences assigned
33 (50%) exact matches, in which:
31 unique CDR3
4 unique J



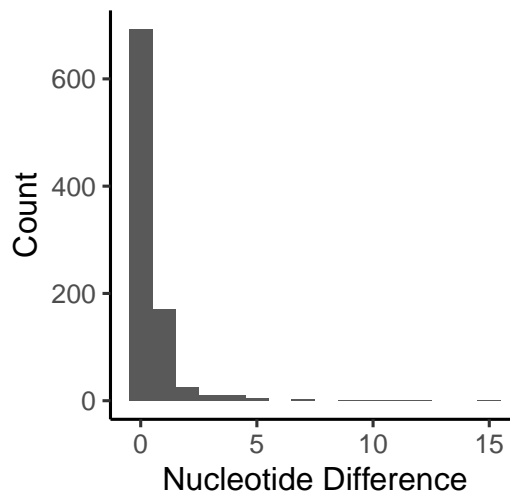
IGKV3-15*01

1253 sequences assigned
945 (75.4%) exact matches, in which:
763 unique CDR3
5 unique J



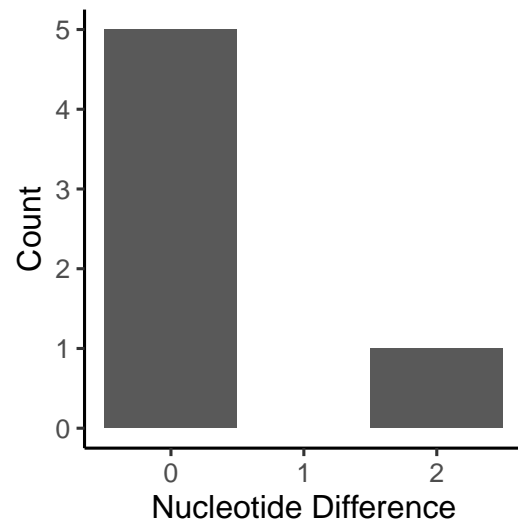
IGKV4-1*01

921 sequences assigned
693 (75.2%) exact matches, in which:
514 unique CDR3
5 unique J



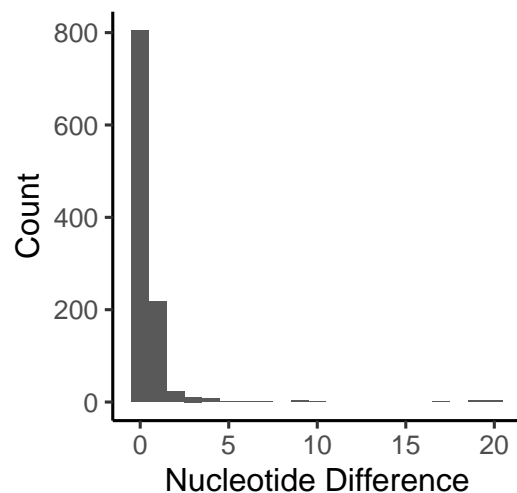
IGKV7-3*01

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



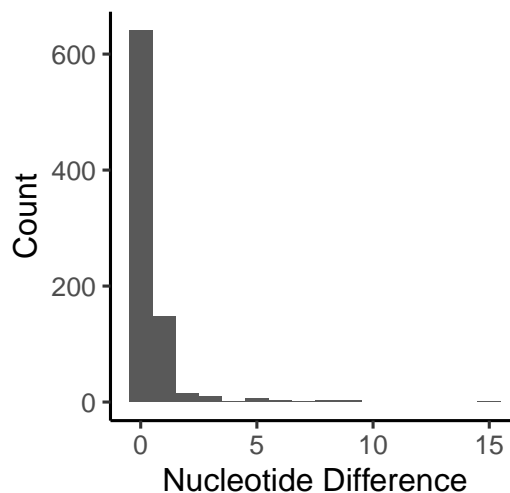
IGKV3-15*01_A117G

1083 sequences assigned
805 (74.3%) exact matches, in which:
659 unique CDR3
5 unique J



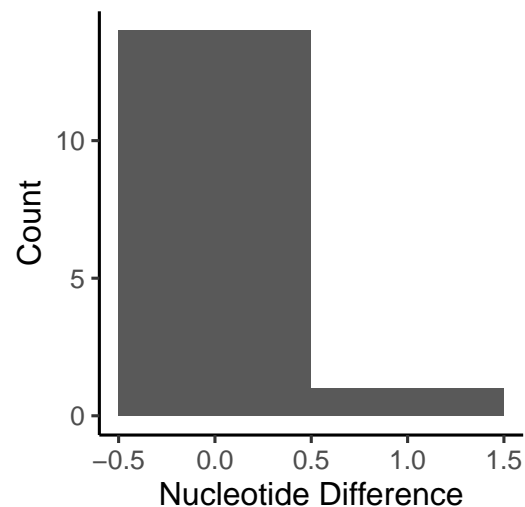
IGKV4-1*01_A318G

828 sequences assigned
641 (77.4%) exact matches, in which:
471 unique CDR3
5 unique J



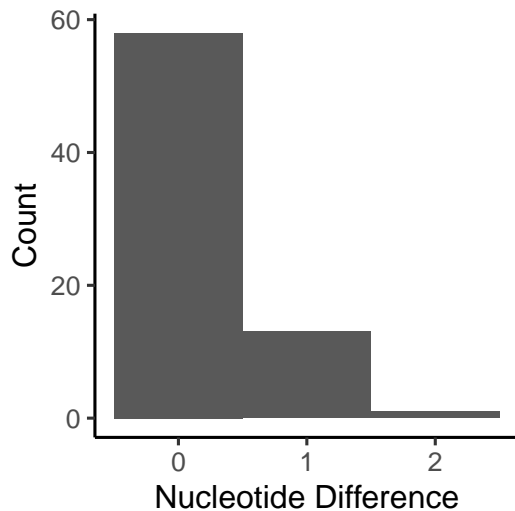
IGKV3D-7*01

15 sequences assigned
14 (93.3%) exact matches, in which:
14 unique CDR3
4 unique J



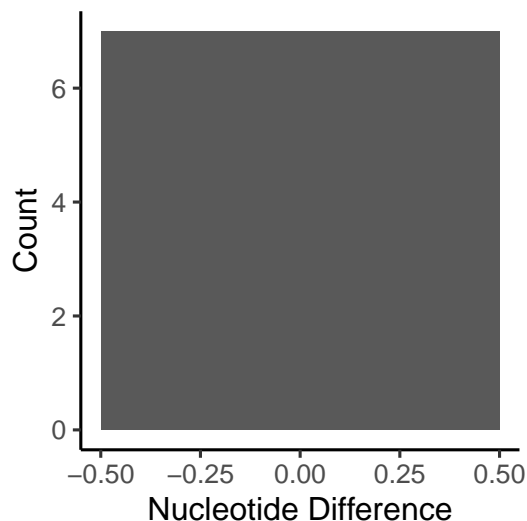
IGKV1D-8*01

72 sequences assigned
58 (80.6%) exact matches, in which:
44 unique CDR3
5 unique J



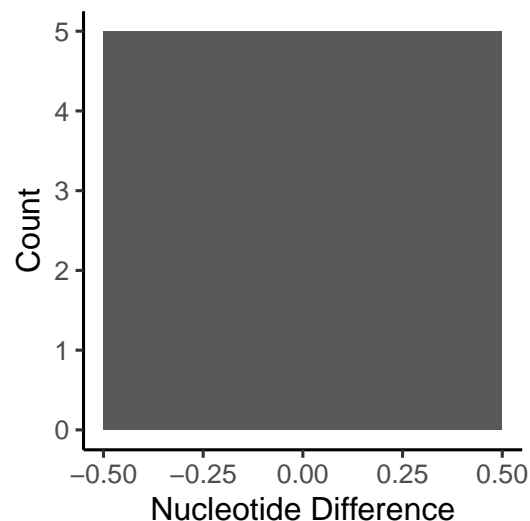
IGKV3D-11*02

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



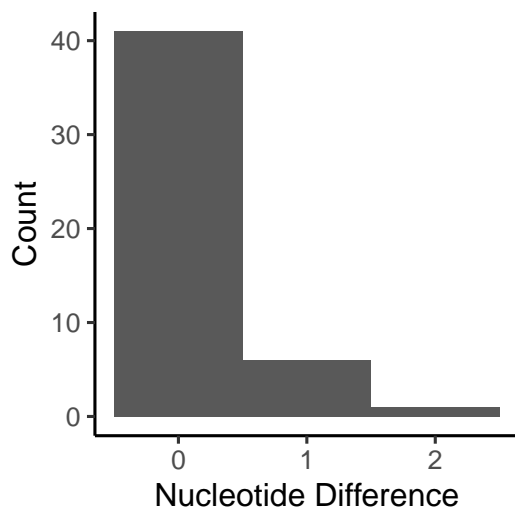
IGKV1D-16*02

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



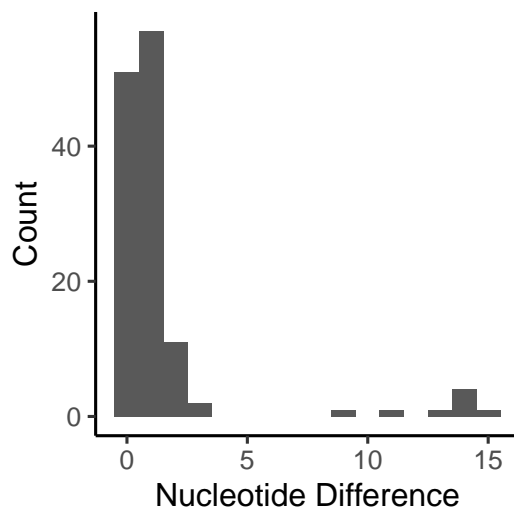
IGKV1D-8*03

48 sequences assigned
41 (85.4%) exact matches, in which:
32 unique CDR3
4 unique J



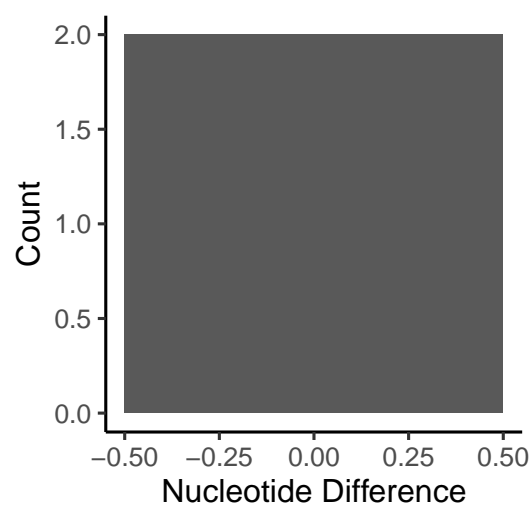
IGKV3D-15*01

129 sequences assigned
51 (39.5%) exact matches, in which:
44 unique CDR3
5 unique J



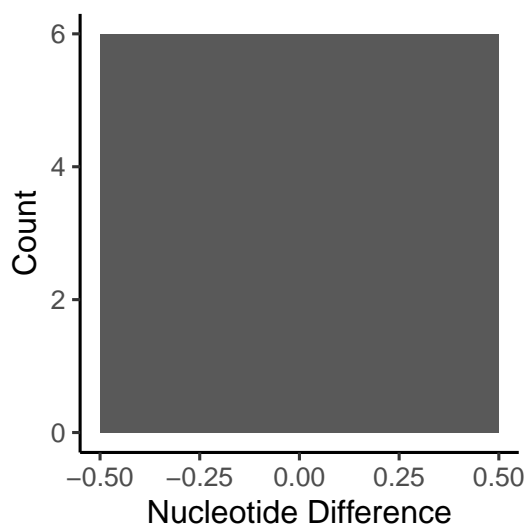
IGKV1D-17*01

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



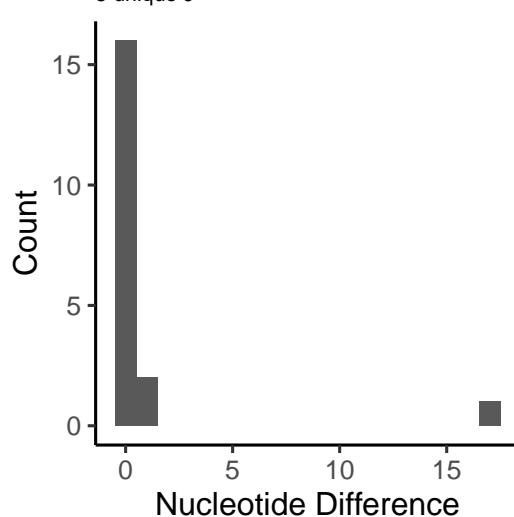
IGKV3D-11*01

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



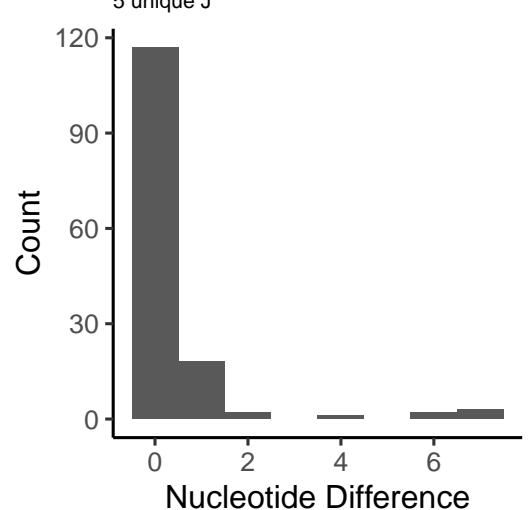
IGKV1D-16*01

19 sequences assigned
16 (84.2%) exact matches, in which:
14 unique CDR3
5 unique J



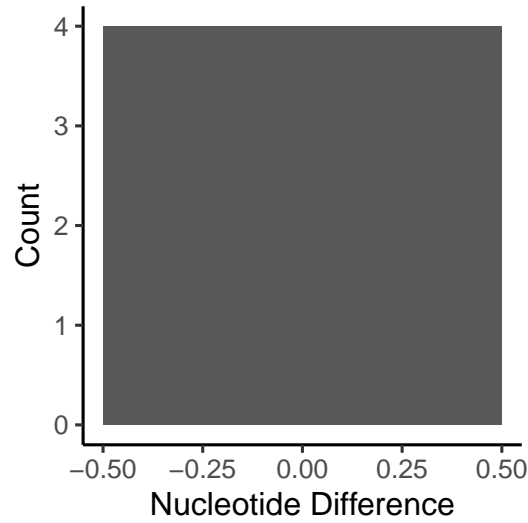
IGKV3D-20*01

143 sequences assigned
117 (81.8%) exact matches, in which:
103 unique CDR3
5 unique J



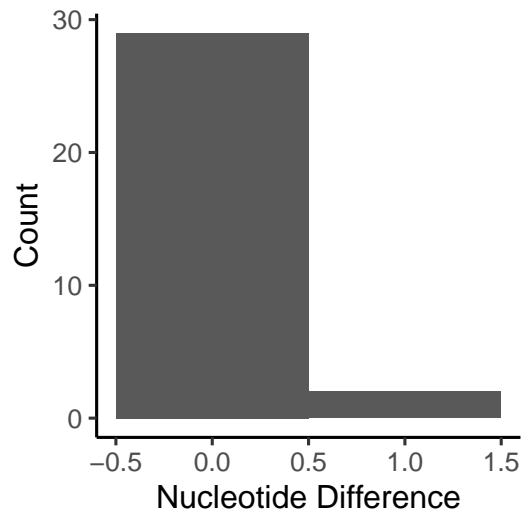
IGKV2D-24*01

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



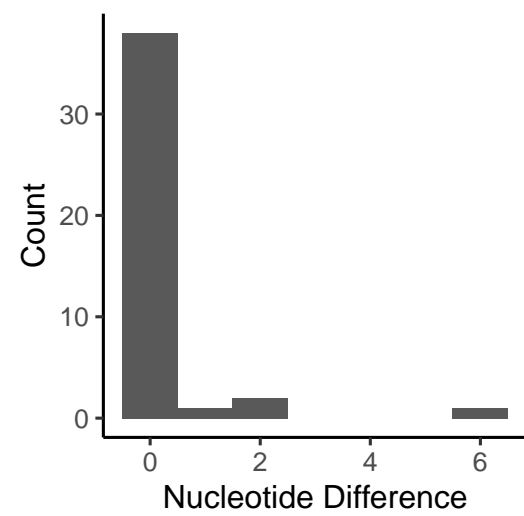
IGKV2D-29*02

31 sequences assigned
29 (93.5%) exact matches, in which:
26 unique CDR3
5 unique J



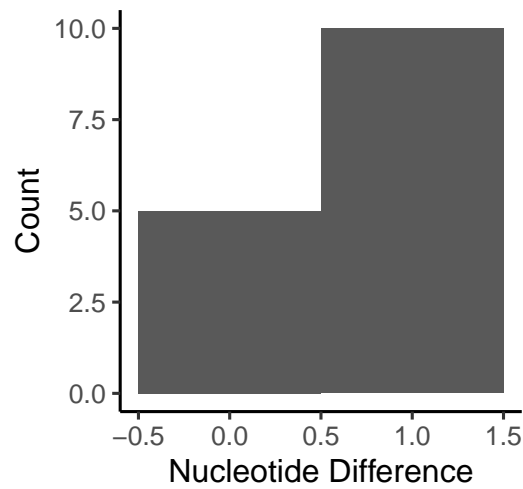
IGKV1D-43*01

42 sequences assigned
38 (90.5%) exact matches, in which:
36 unique CDR3
5 unique J



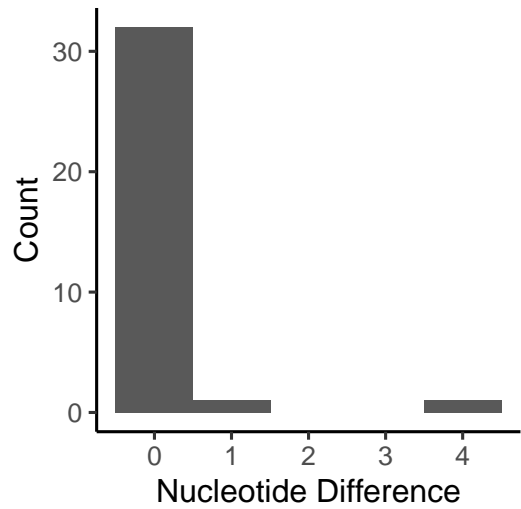
IGKV2D-26*03

15 sequences assigned
5 (33.3%) exact matches, in which:
5 unique CDR3
3 unique J



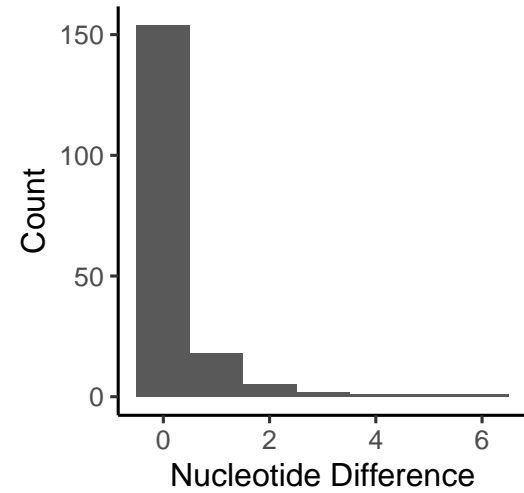
IGKV2D-30*01

34 sequences assigned
32 (94.1%) exact matches, in which:
30 unique CDR3
5 unique J



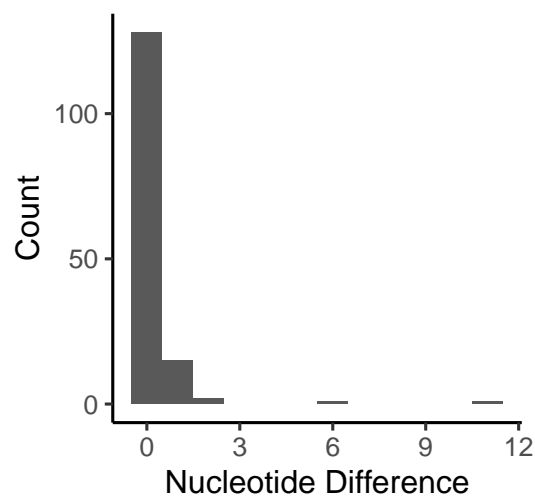
IGKV1E-12*01

182 sequences assigned
154 (84.6%) exact matches, in which:
104 unique CDR3
5 unique J



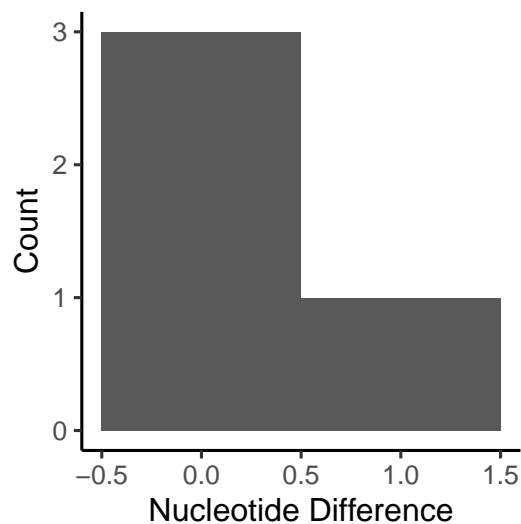
IGKV2D-29*01

147 sequences assigned
128 (87.1%) exact matches, in which:
116 unique CDR3
5 unique J



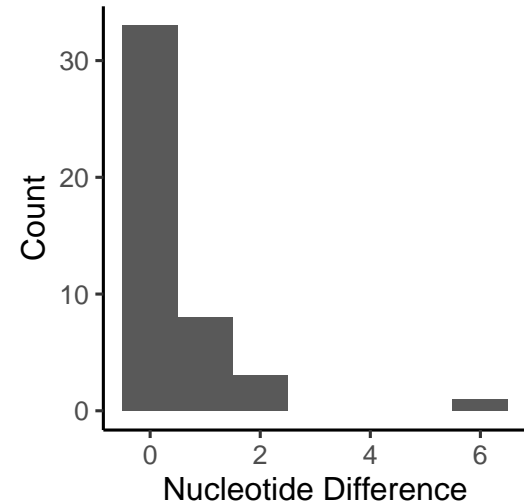
IGKV6D-41*01

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



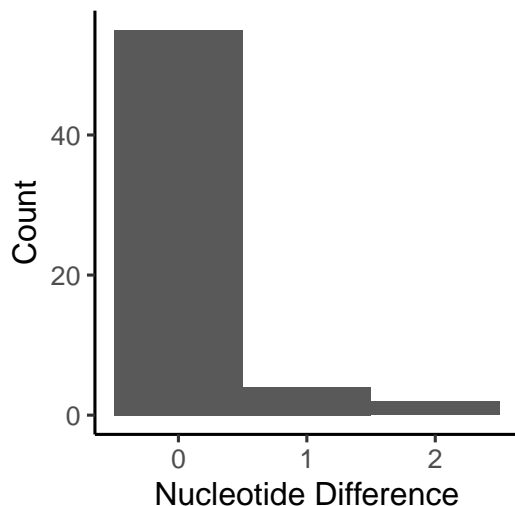
IGKV1E-12*02

45 sequences assigned
33 (73.3%) exact matches, in which:
26 unique CDR3
5 unique J



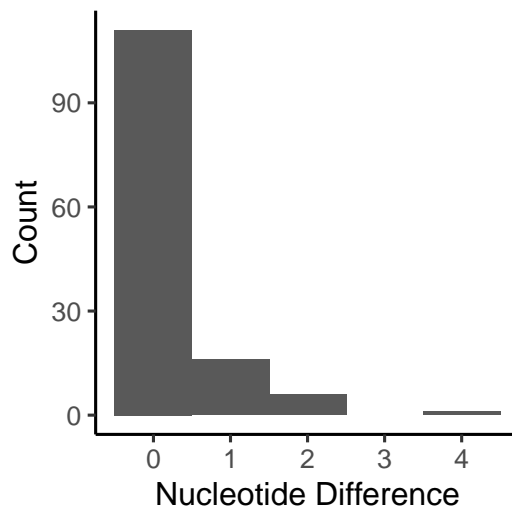
IGKV1E-12*03

61 sequences assigned
55 (90.2%) exact matches, in which:
47 unique CDR3
5 unique J



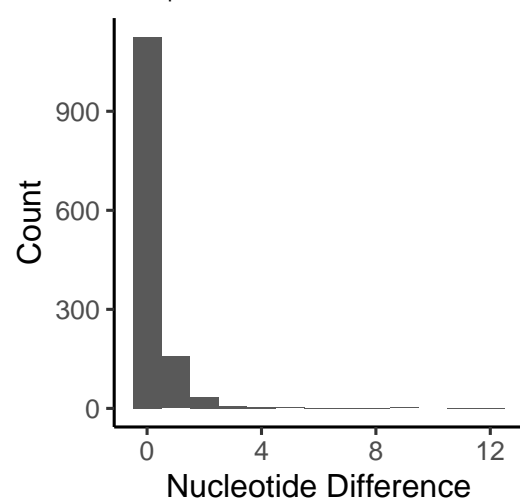
IGKV6E-21*01

134 sequences assigned
111 (82.8%) exact matches, in which:
86 unique CDR3
5 unique J



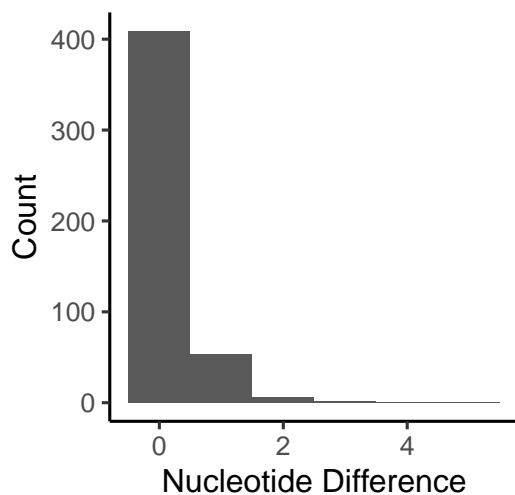
IGKV2E-28*01

1343 sequences assigned
1126 (83.8%) exact matches, in which:
816 unique CDR3
5 unique J



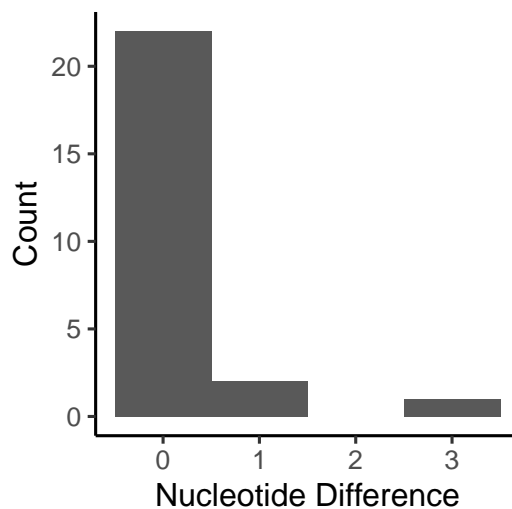
IGKV1E-13*02

472 sequences assigned
409 (86.7%) exact matches, in which:
311 unique CDR3
5 unique J



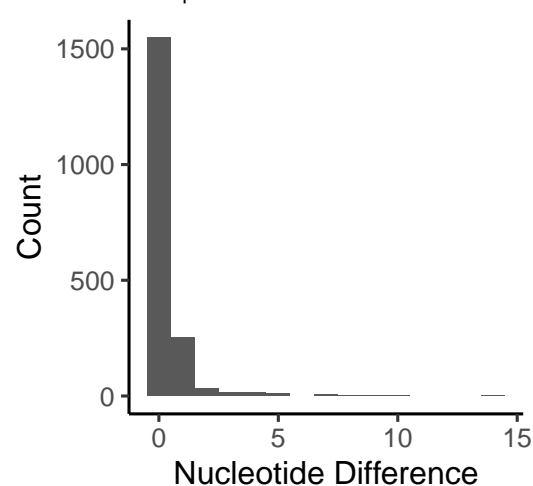
IGKV6E-21*03

25 sequences assigned
22 (88%) exact matches, in which:
20 unique CDR3
5 unique J



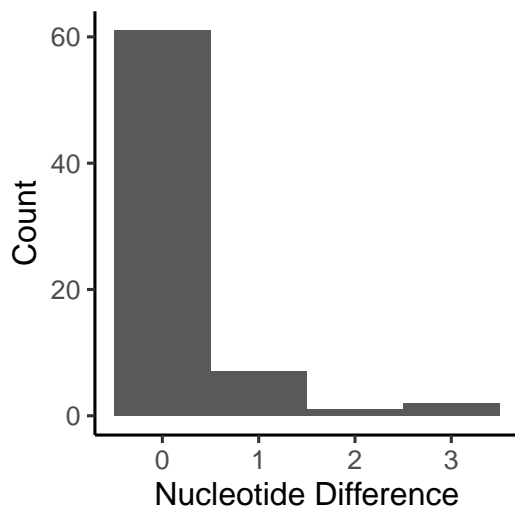
IGKV1E-33*01

1884 sequences assigned
1548 (82.2%) exact matches, in which:
1113 unique CDR3
5 unique J



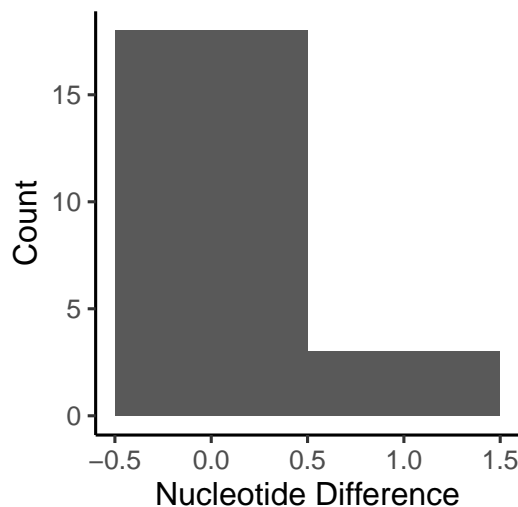
IGKV1E-13*03

71 sequences assigned
61 (85.9%) exact matches, in which:
52 unique CDR3
5 unique J



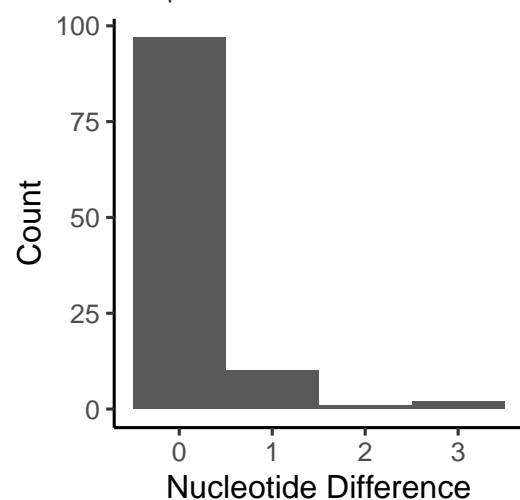
IGKV6E-21*01_A301G

21 sequences assigned
18 (85.7%) exact matches, in which:
15 unique CDR3
4 unique J



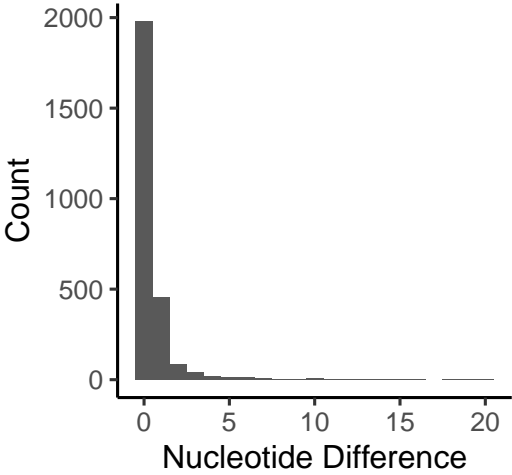
IGKV1E-37*01

110 sequences assigned
97 (88.2%) exact matches, in which:
84 unique CDR3
5 unique J



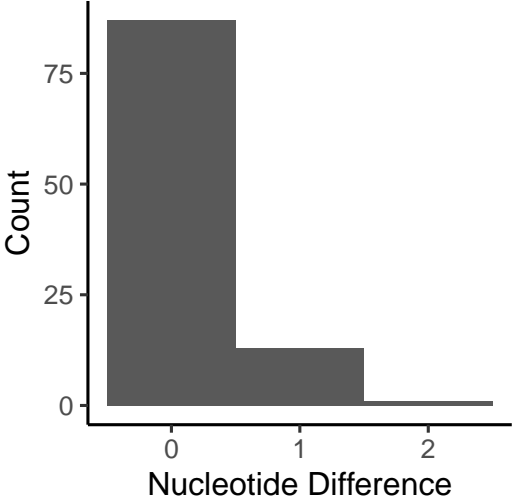
IGKV1E-39*01

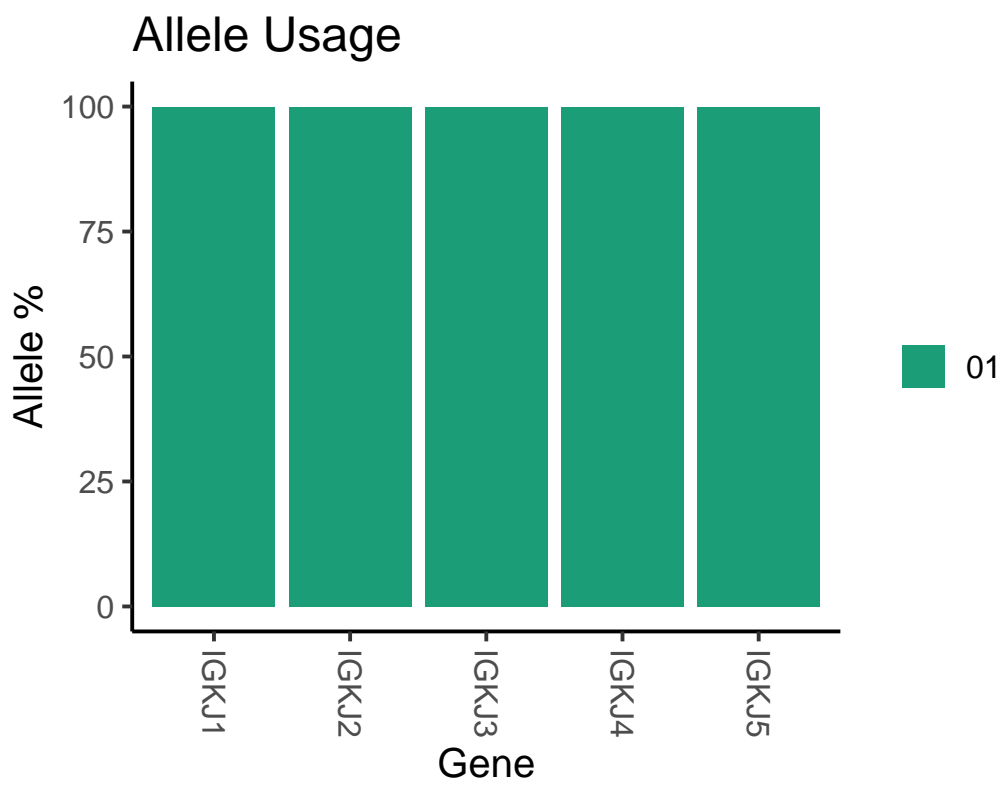
2656 sequences assigned
1979 (74.5%) exact matches, in which:
1369 unique CDR3
5 unique J



IGKV2E-40*01

102 sequences assigned
87 (85.3%) exact matches, in which:
70 unique CDR3
5 unique J





Warning – no inferred sequences found.