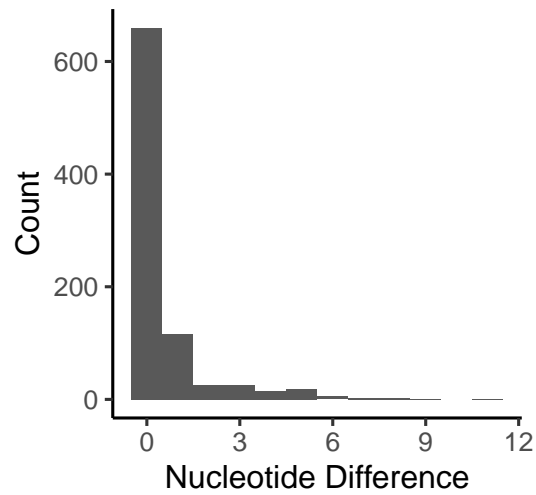


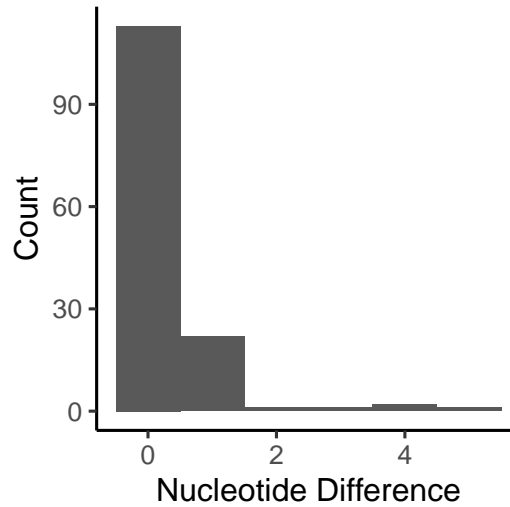
IGKV1-5*03

875 sequences assigned
660 (75.4%) exact matches, in which:
564 unique CDR3
5 unique J



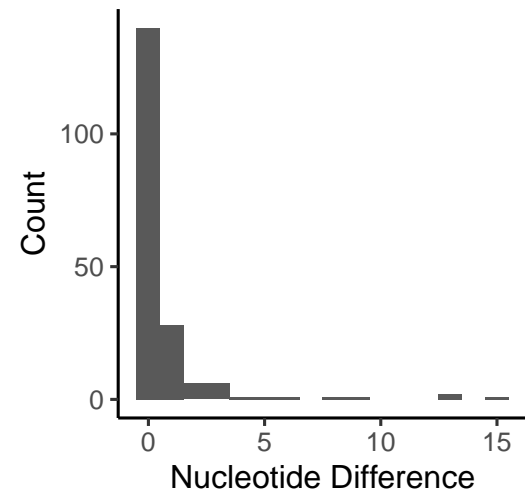
IGKV1-8*01

140 sequences assigned
113 (80.7%) exact matches, in which:
102 unique CDR3
5 unique J



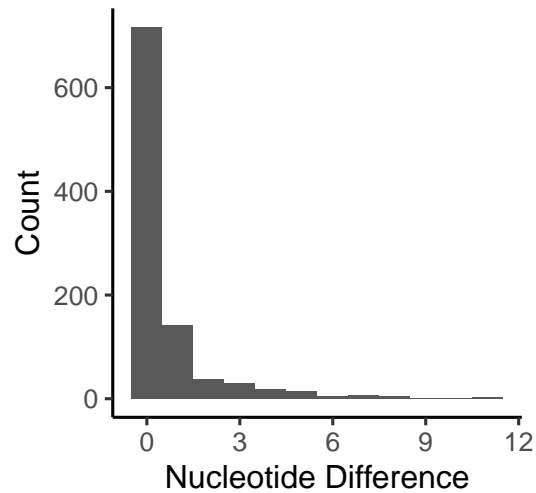
IGKV1-16*02

188 sequences assigned
140 (74.5%) exact matches, in which:
105 unique CDR3
5 unique J



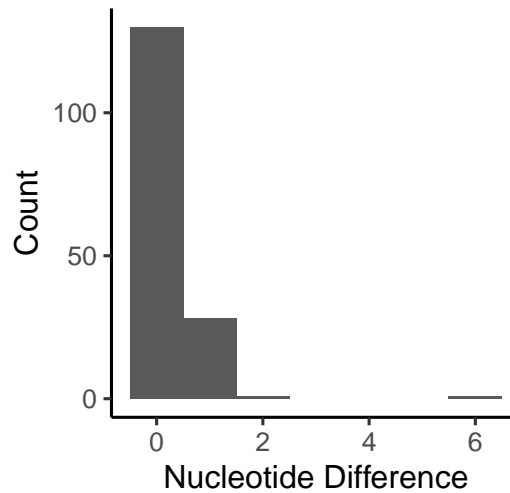
IGKV1-5*03_T115C_G17

977 sequences assigned
717 (73.4%) exact matches, in which:
609 unique CDR3
5 unique J



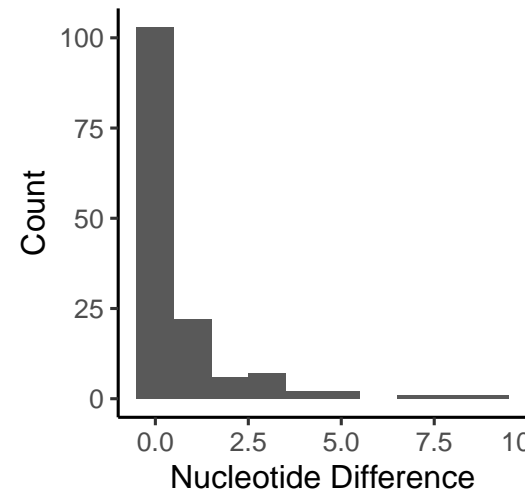
IGKV1-8*01_G12A_T31C

160 sequences assigned
130 (81.2%) exact matches, in which:
113 unique CDR3
5 unique J



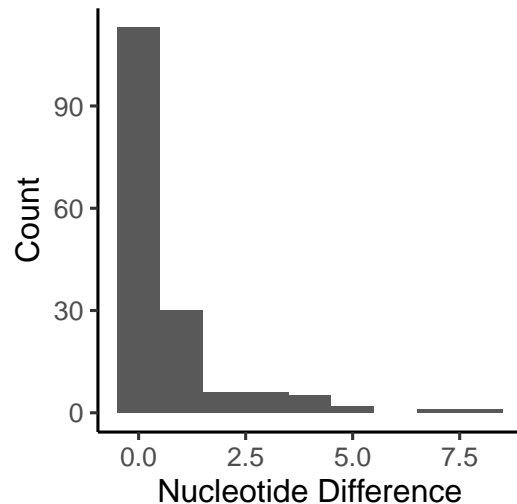
IGKV1-17*01

145 sequences assigned
103 (71%) exact matches, in which:
87 unique CDR3
5 unique J



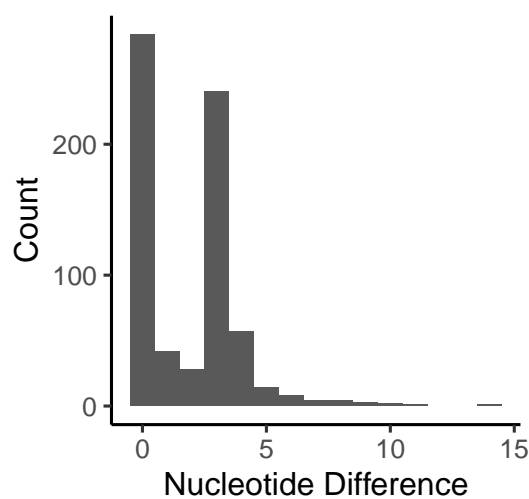
IGKV1-6*01

164 sequences assigned
113 (68.9%) exact matches, in which:
78 unique CDR3
5 unique J



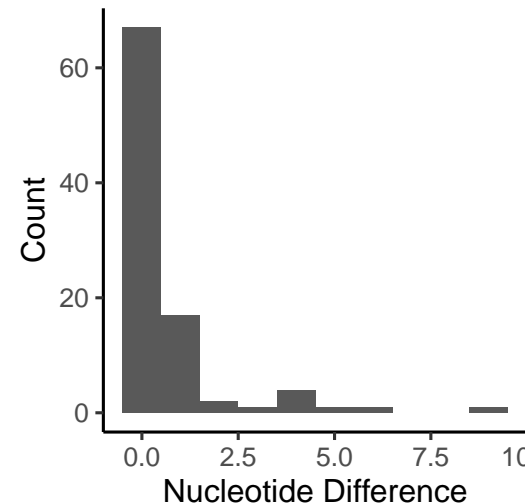
IGKV1-9*01

688 sequences assigned
284 (41.3%) exact matches, in which:
244 unique CDR3
5 unique J



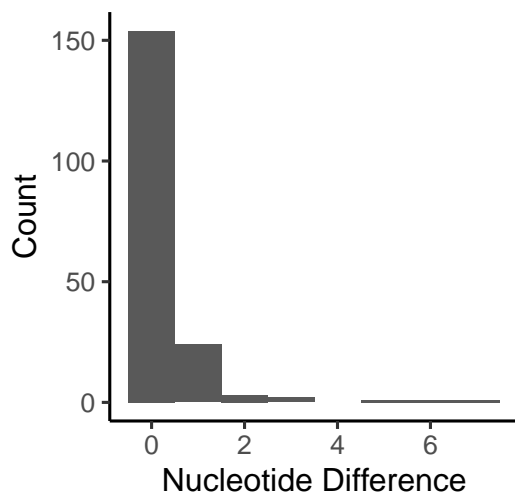
IGKV1-17*03

94 sequences assigned
67 (71.3%) exact matches, in which:
61 unique CDR3
5 unique J



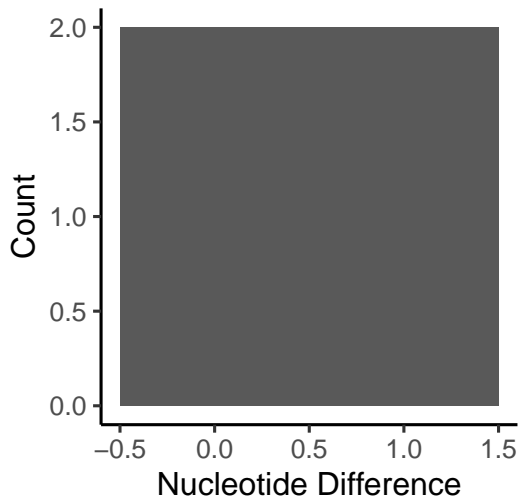
IGKV1-27*01

186 sequences assigned
154 (82.8%) exact matches, in which:
129 unique CDR3
5 unique J



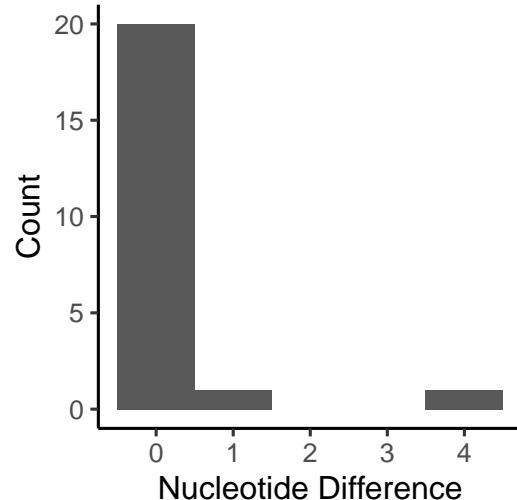
IGKV2/OR22-4*01

4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
2 unique J



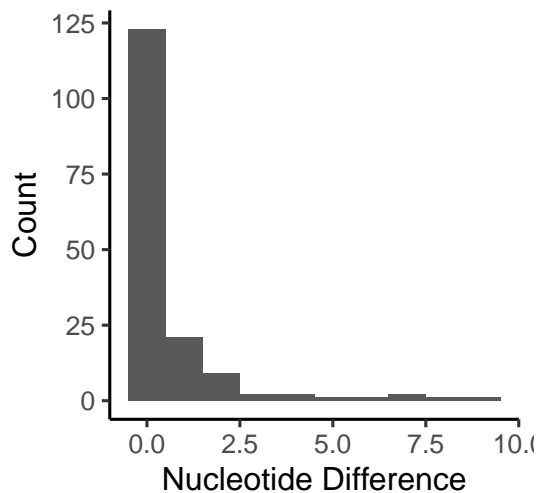
IGKV2-24*01_T314C

22 sequences assigned
20 (90.9%) exact matches, in which:
18 unique CDR3
5 unique J



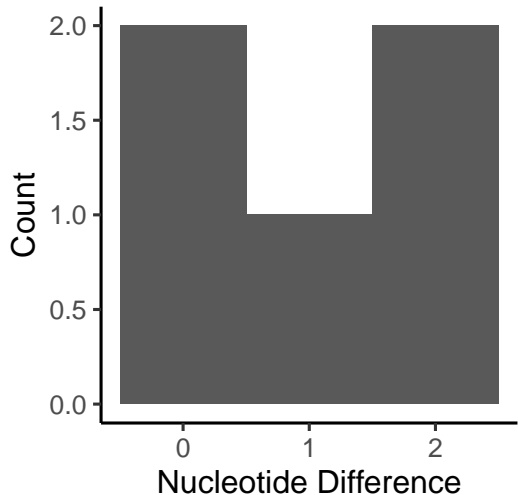
IGKV1-27*01_T231C

163 sequences assigned
123 (75.5%) exact matches, in which:
107 unique CDR3
5 unique J



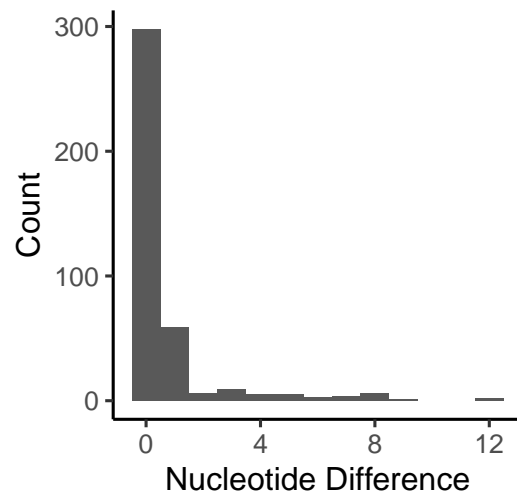
IGKV2-18*01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
1 unique J



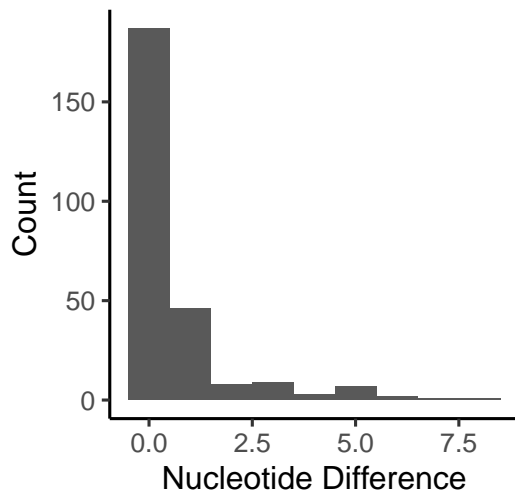
IGKV2-29*02

398 sequences assigned
298 (74.9%) exact matches, in which:
250 unique CDR3
5 unique J



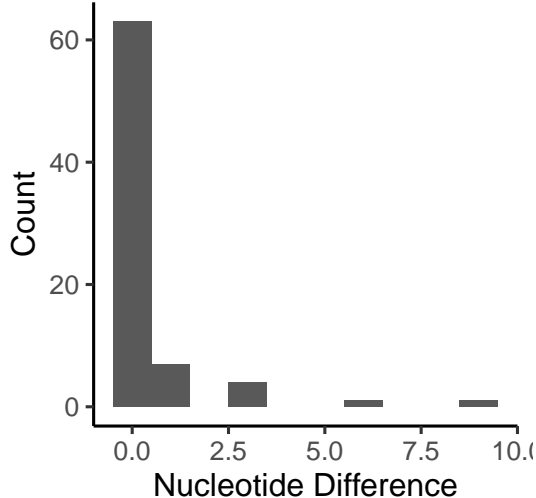
IGKV1-NL1*01

264 sequences assigned
187 (70.8%) exact matches, in which:
155 unique CDR3
5 unique J



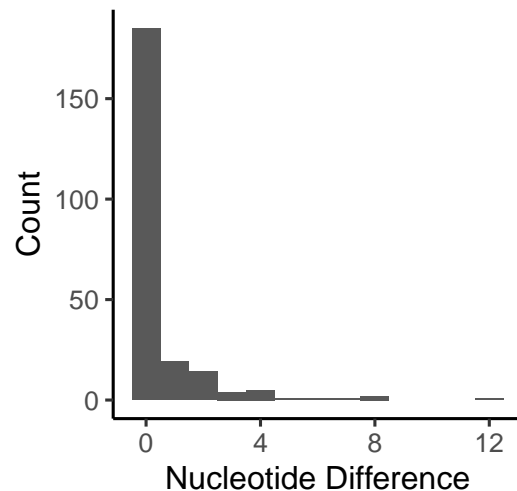
IGKV2-24*01

76 sequences assigned
63 (82.9%) exact matches, in which:
60 unique CDR3
5 unique J



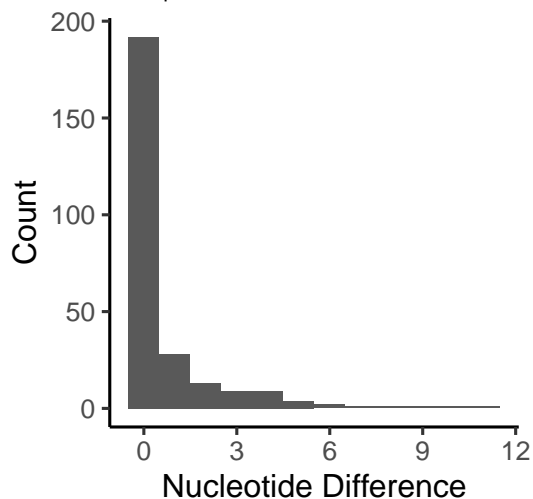
IGKV2-30*01

233 sequences assigned
185 (79.4%) exact matches, in which:
171 unique CDR3
5 unique J



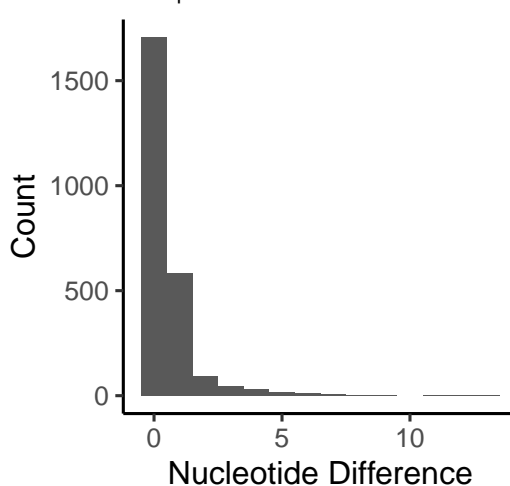
IGKV2–30*02

262 sequences assigned
192 (73.3%) exact matches, in which:
181 unique CDR3
5 unique J



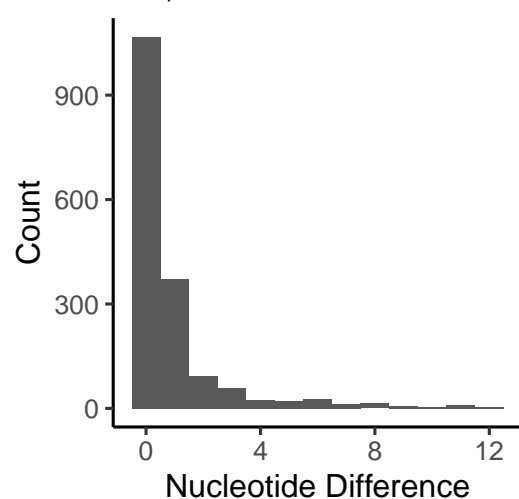
IGKV3–11*01

2509 sequences assigned
1706 (68%) exact matches, in which:
1266 unique CDR3
5 unique J



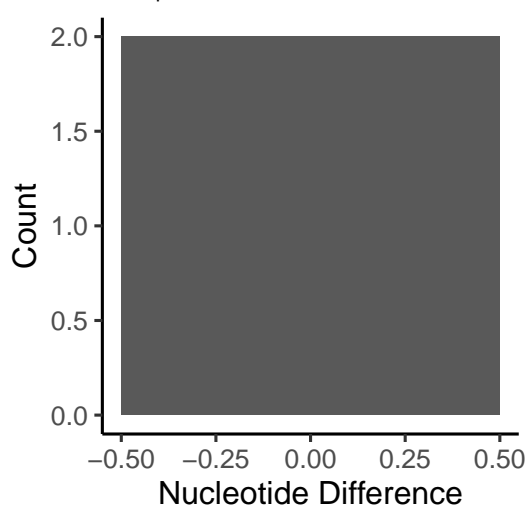
IGKV4–1*01

1714 sequences assigned
1068 (62.3%) exact matches, in which:
783 unique CDR3
5 unique J



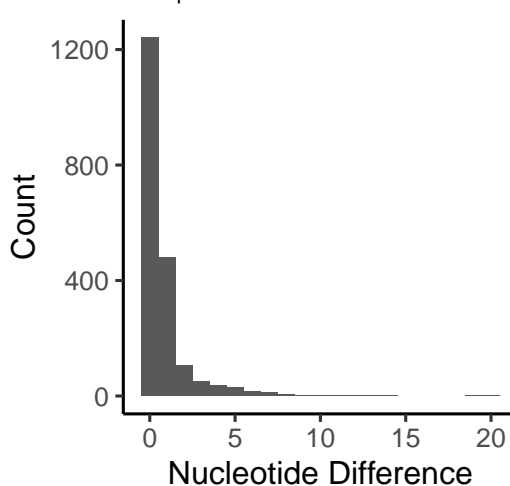
IGKV1/OR2–108*01

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



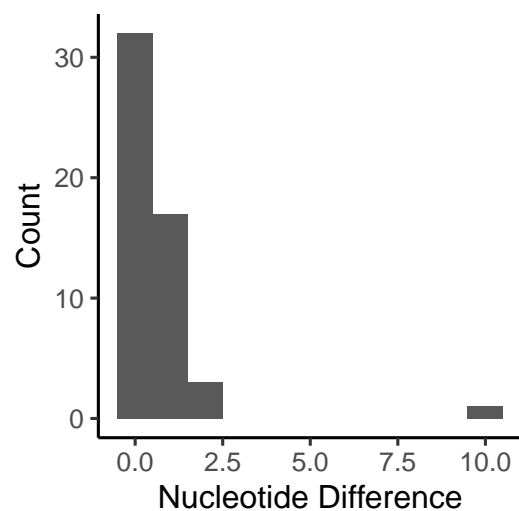
IGKV3–15*01

1992 sequences assigned
1241 (62.3%) exact matches, in which:
953 unique CDR3
5 unique J



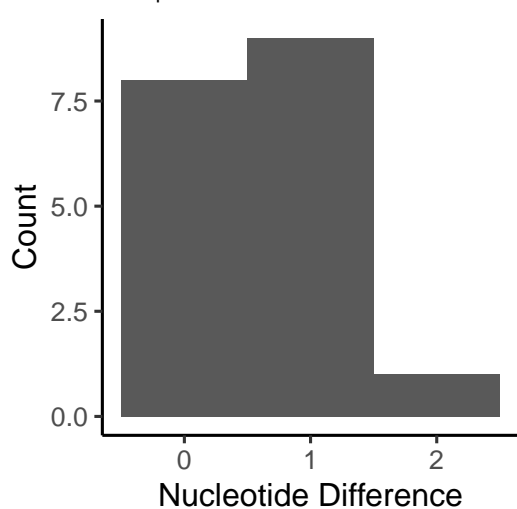
IGKV5–2*01

53 sequences assigned
32 (60.4%) exact matches, in which:
31 unique CDR3
5 unique J



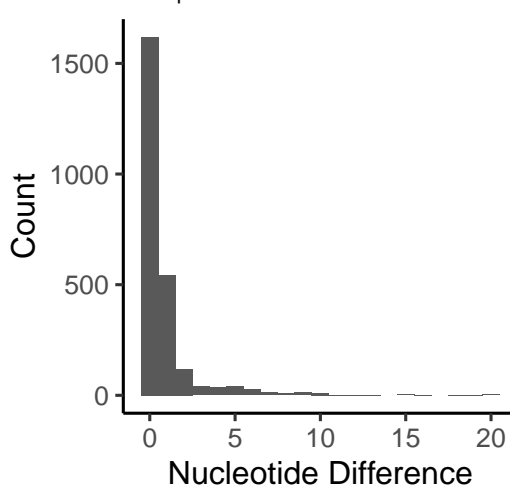
IGKV3–7*04

18 sequences assigned
8 (44.4%) exact matches, in which:
8 unique CDR3
4 unique J



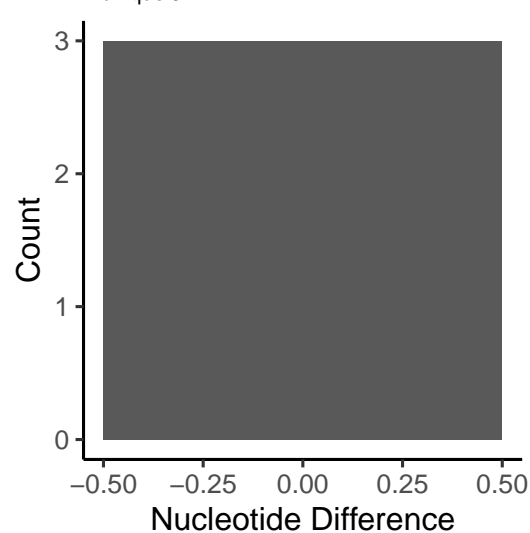
IGKV3–20*01

2490 sequences assigned
1619 (65%) exact matches, in which:
1288 unique CDR3
5 unique J



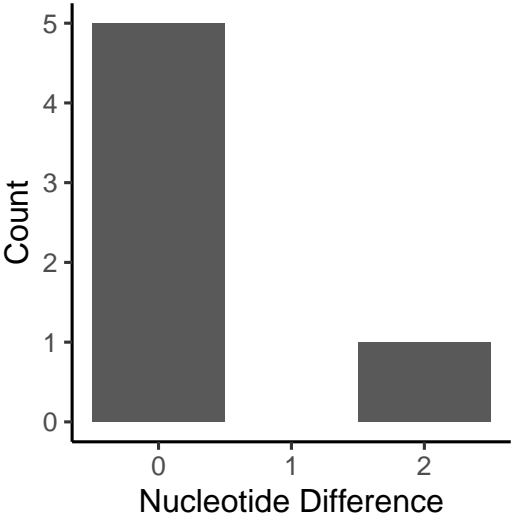
IGKV7–3*01

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



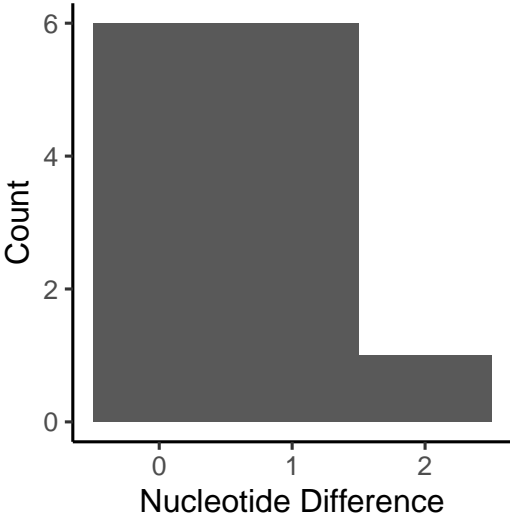
IGKV3D-7*01

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



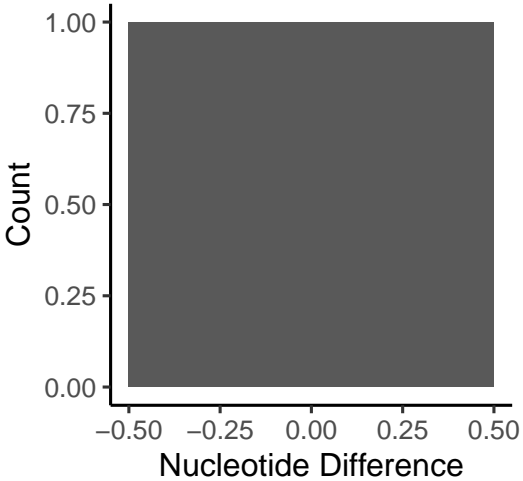
IGKV3D-11*02

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



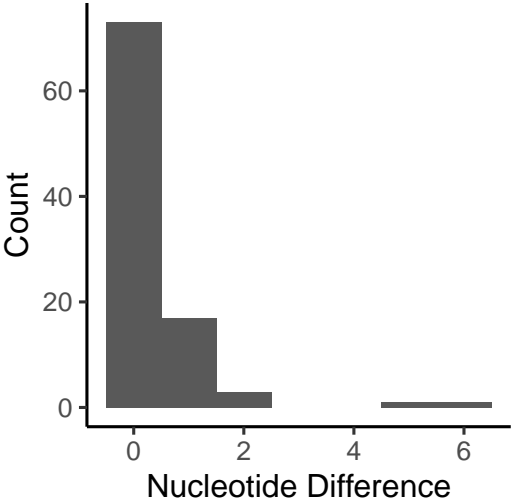
IGKV1D-17*01

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



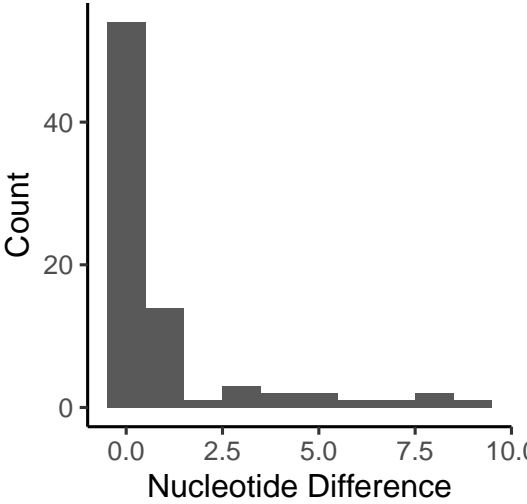
IGKV1D-8*01

95 sequences assigned
73 (76.8%) exact matches, in which:
51 unique CDR3
5 unique J



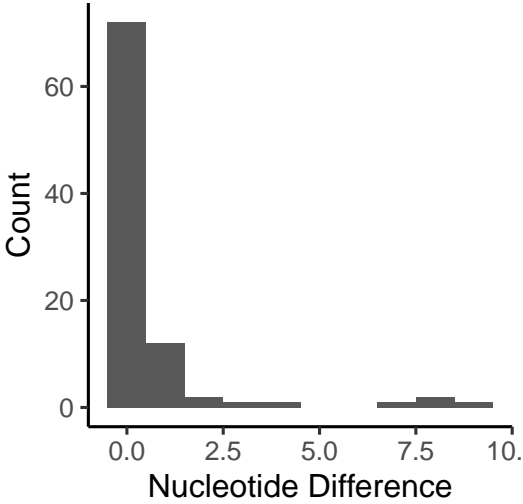
IGKV3D-15*01

81 sequences assigned
54 (66.7%) exact matches, in which:
47 unique CDR3
5 unique J



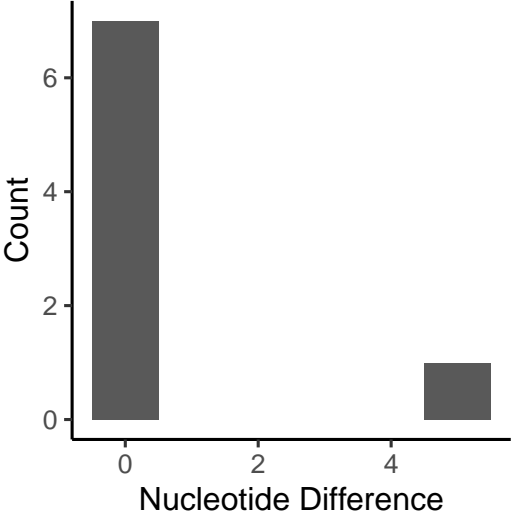
IGKV3D-20*01

92 sequences assigned
72 (78.3%) exact matches, in which:
63 unique CDR3
5 unique J



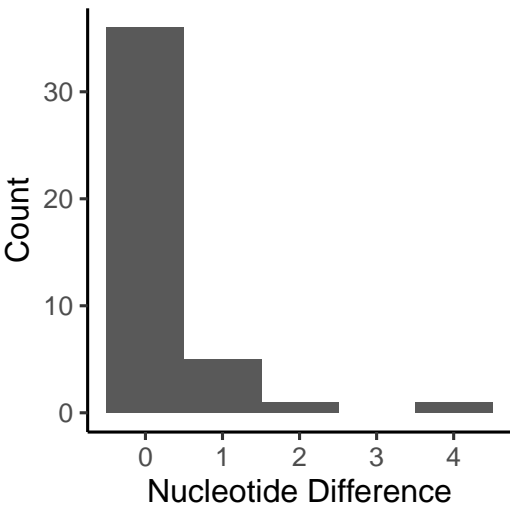
IGKV3D-11*01

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



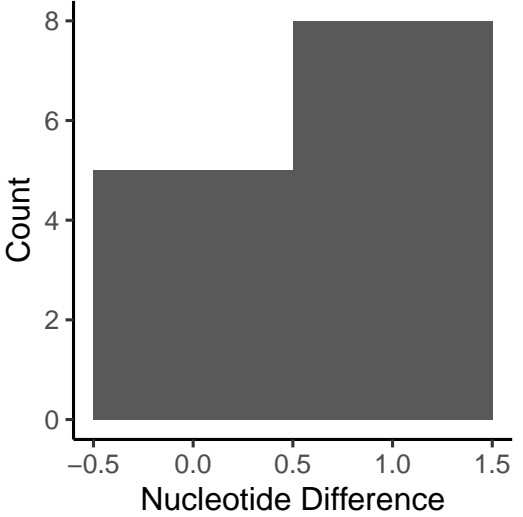
IGKV1D-16*01

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



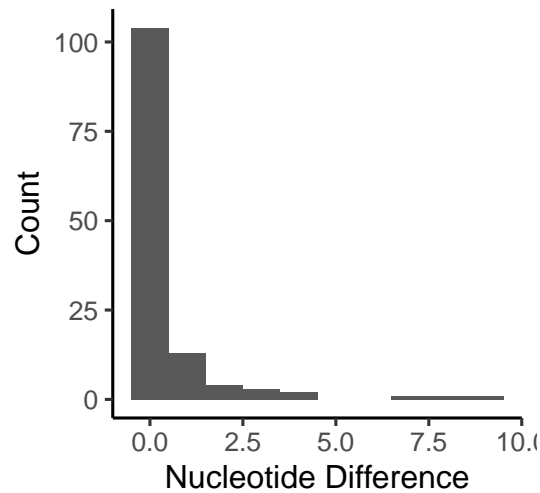
IGKV2D-26*03

13 sequences assigned
5 (38.5%) exact matches, in which:
4 unique CDR3
3 unique J



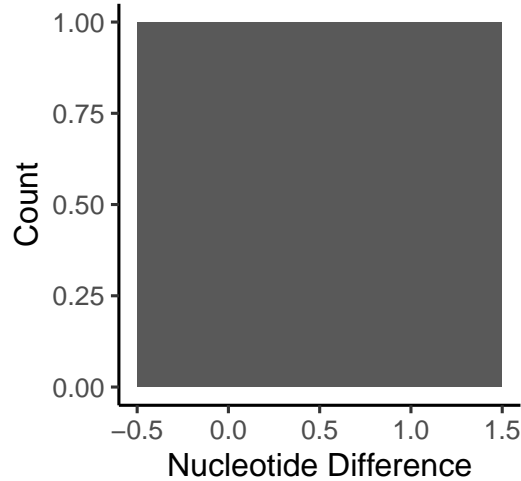
IGKV2D-29*01

129 sequences assigned
104 (80.6%) exact matches, in which:
96 unique CDR3
5 unique J



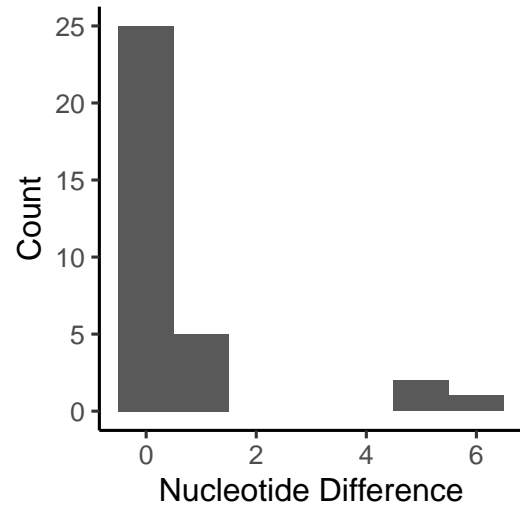
IGKV6D-41*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



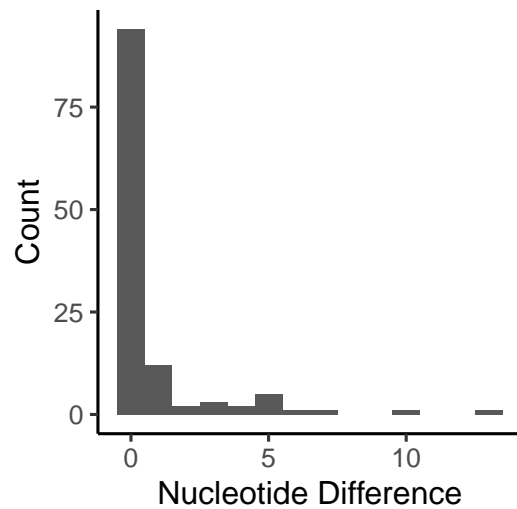
IGKV1E-12*02

33 sequences assigned
25 (75.8%) exact matches, in which:
21 unique CDR3
5 unique J



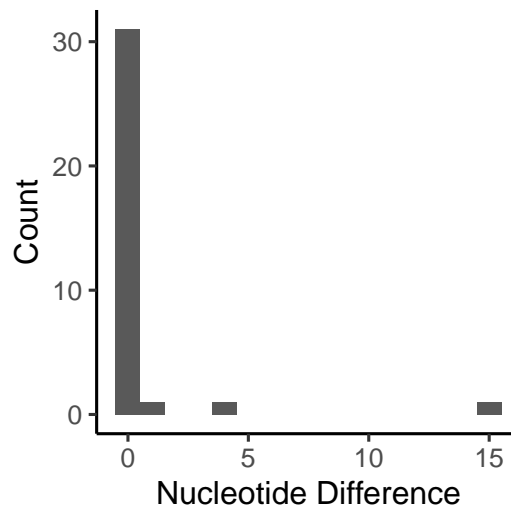
IGKV2D-29*02

122 sequences assigned
94 (77%) exact matches, in which:
85 unique CDR3
5 unique J



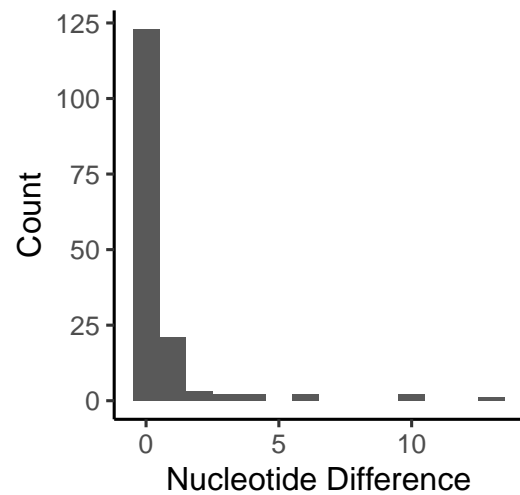
IGKV1D-43*01

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



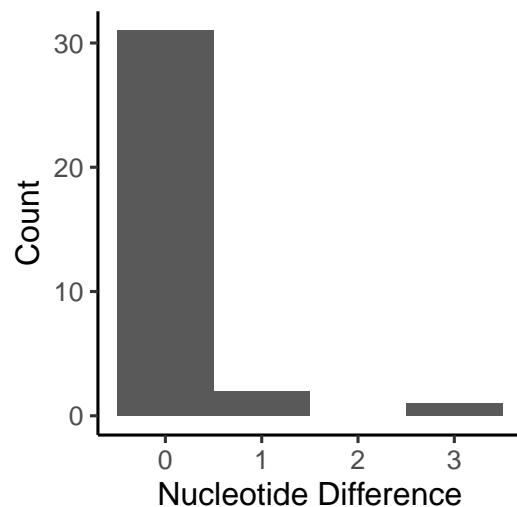
IGKV1E-12*03

156 sequences assigned
123 (78.8%) exact matches, in which:
104 unique CDR3
5 unique J



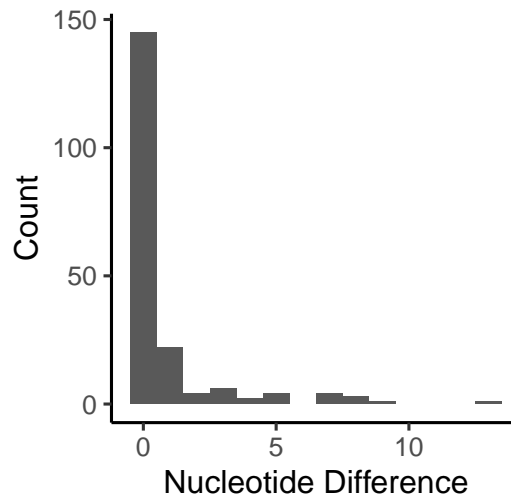
IGKV2D-30*01

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



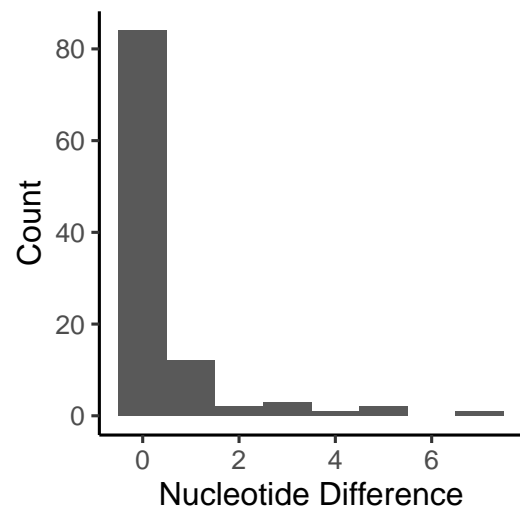
IGKV1E-12*01

192 sequences assigned
145 (75.5%) exact matches, in which:
107 unique CDR3
5 unique J



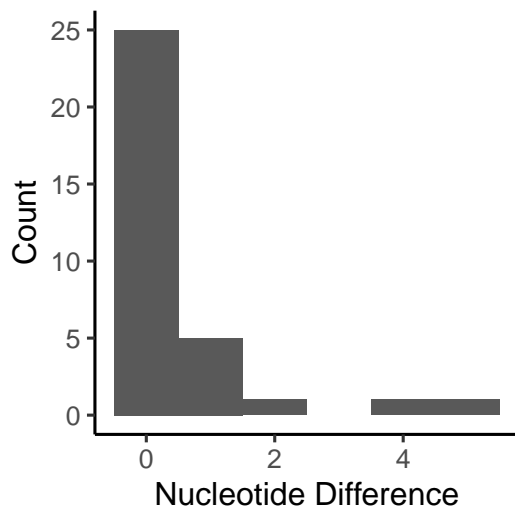
IGKV1E-13*03

105 sequences assigned
84 (80%) exact matches, in which:
68 unique CDR3
5 unique J



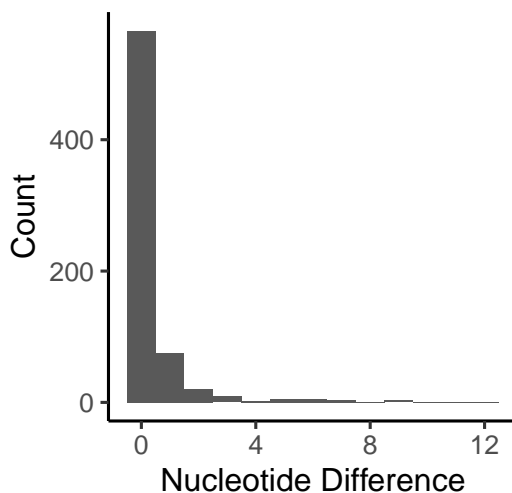
IGKV6E-21*01

33 sequences assigned
25 (75.8%) exact matches, in which:
24 unique CDR3
4 unique J



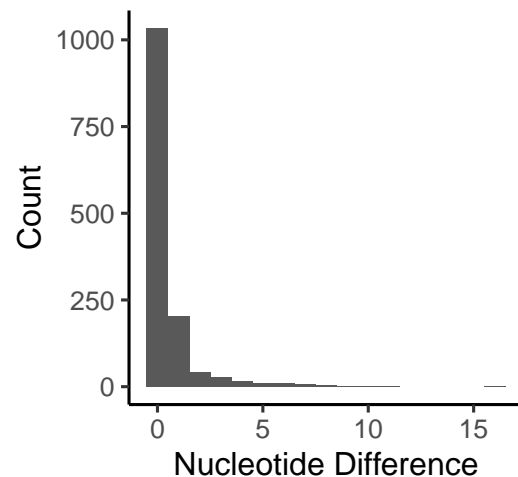
IGKV2E-28*01

693 sequences assigned
566 (81.7%) exact matches, in which:
486 unique CDR3
5 unique J



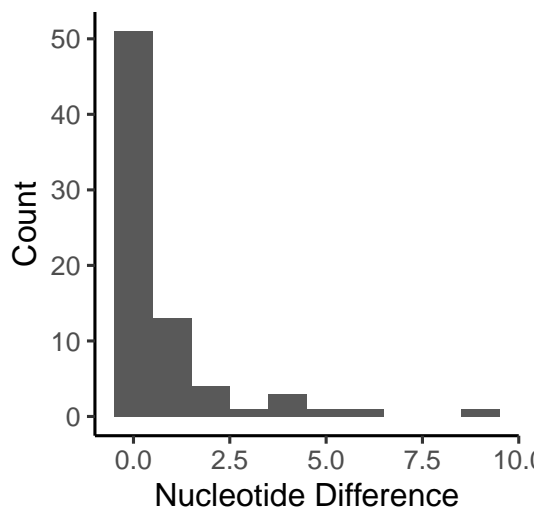
IGKV1E-33*01

1357 sequences assigned
1033 (76.1%) exact matches, in which:
802 unique CDR3
5 unique J



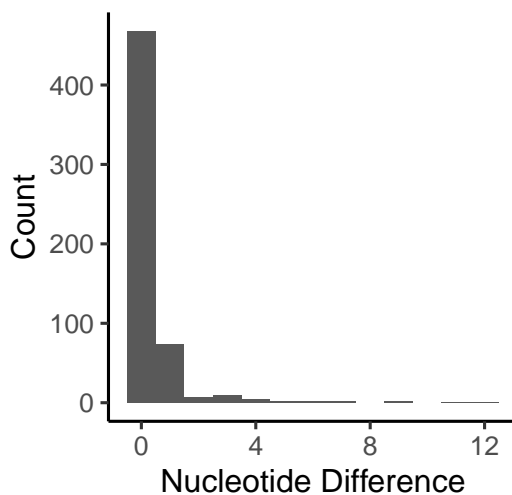
IGKV6E-21*02

75 sequences assigned
51 (68%) exact matches, in which:
43 unique CDR3
5 unique J



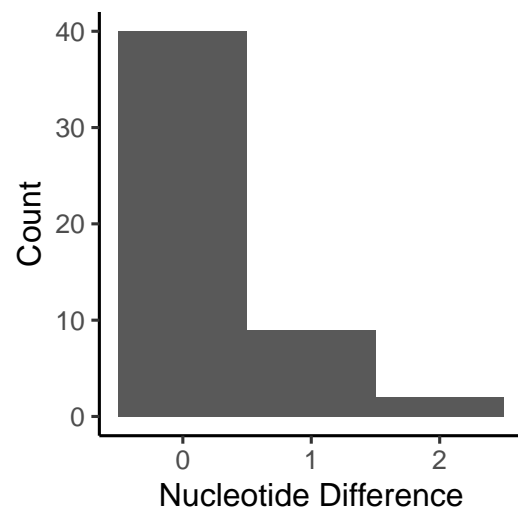
IGKV2E-28*01_C142A

573 sequences assigned
468 (81.7%) exact matches, in which:
399 unique CDR3
5 unique J



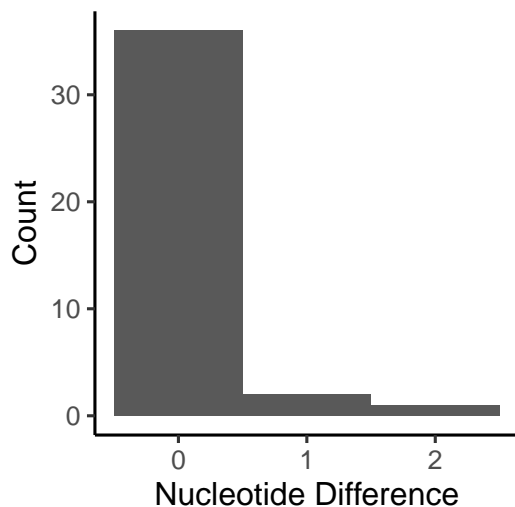
IGKV1E-37*01

51 sequences assigned
40 (78.4%) exact matches, in which:
39 unique CDR3
5 unique J



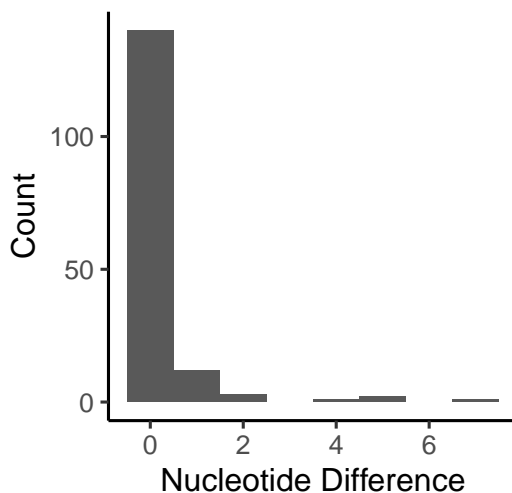
IGKV6E-21*03

39 sequences assigned
36 (92.3%) exact matches, in which:
31 unique CDR3
5 unique J



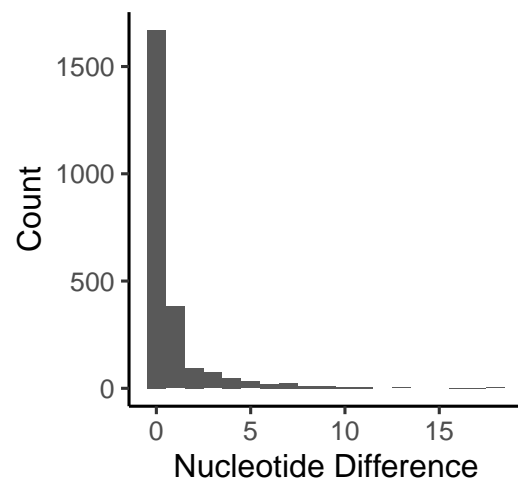
IGKV2E-28*01_G90C

159 sequences assigned
140 (88.1%) exact matches, in which:
129 unique CDR3
5 unique J



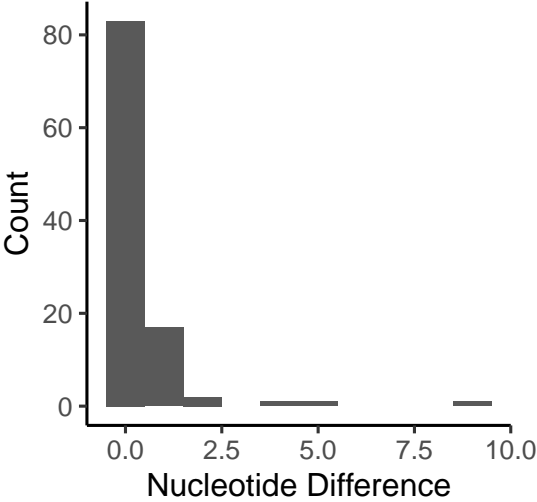
IGKV1E-39*01

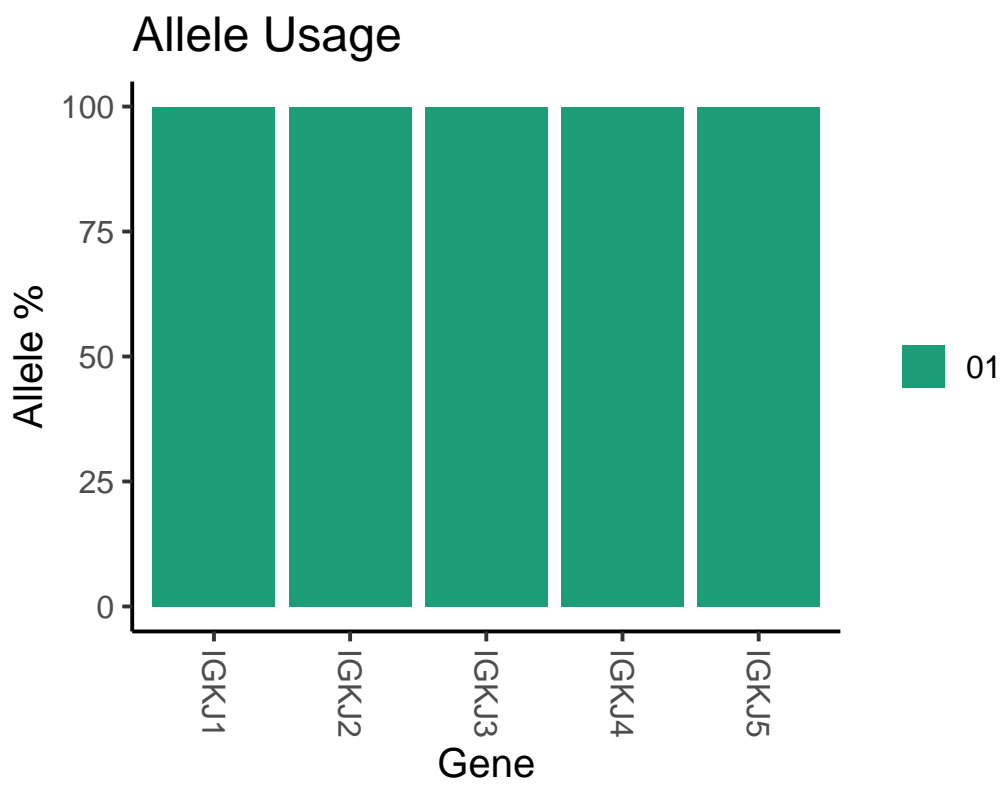
2387 sequences assigned
1670 (70%) exact matches, in which:
1256 unique CDR3
5 unique J



IGKV2E-40*01

105 sequences assigned
83 (79%) exact matches, in which:
67 unique CDR3
5 unique J





Warning – no inferred sequences found.