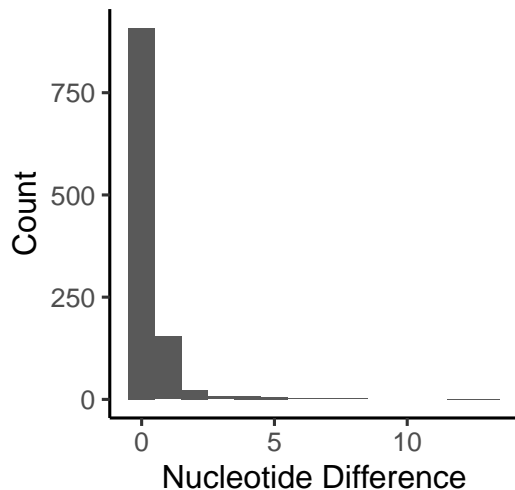


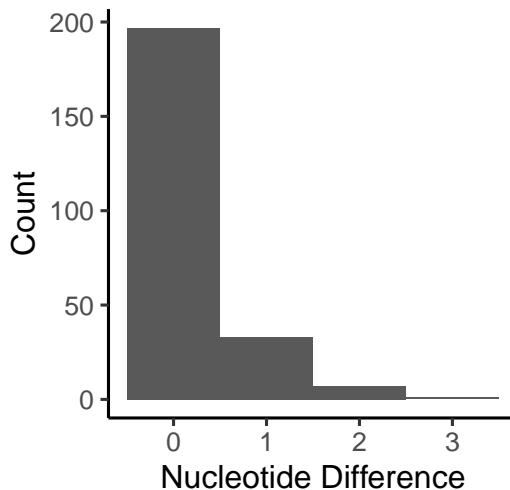
IGKV1-5*03

1114 sequences assigned
909 (81.6%) exact matches, in which:
766 unique CDR3
5 unique J



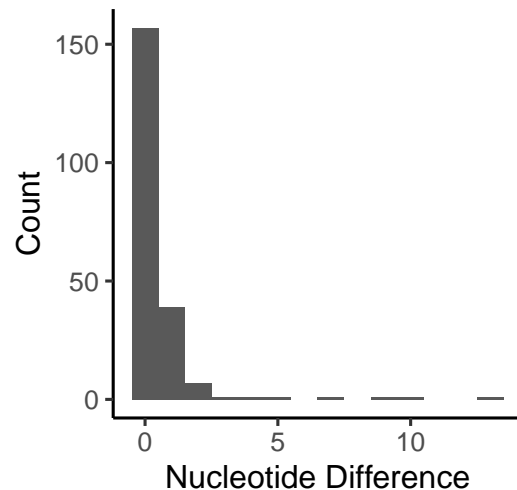
IGKV1-8*01

238 sequences assigned
197 (82.8%) exact matches, in which:
166 unique CDR3
5 unique J



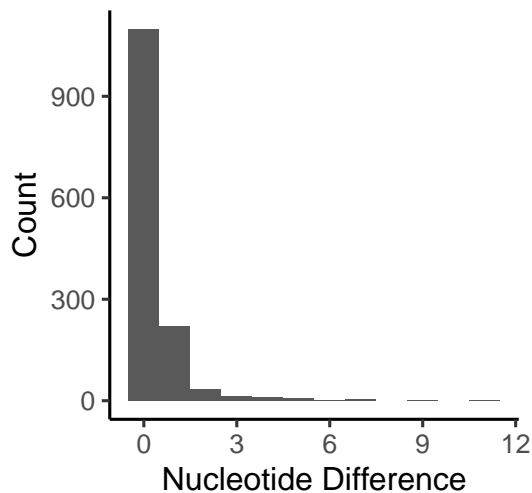
IGKV1-16*02

210 sequences assigned
157 (74.8%) exact matches, in which:
108 unique CDR3
5 unique J



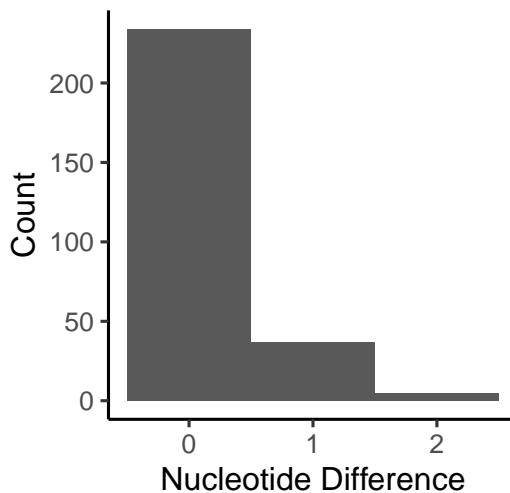
IGKV1-5*03_G171A

1390 sequences assigned
1099 (79.1%) exact matches, in which:
914 unique CDR3
5 unique J



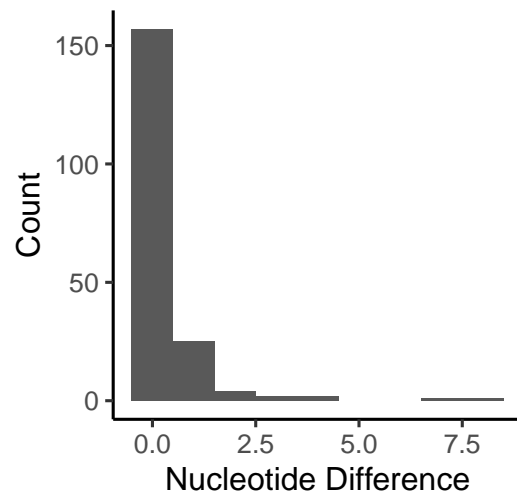
IGKV1-8*01_G12A_T31C

276 sequences assigned
234 (84.8%) exact matches, in which:
197 unique CDR3
5 unique J



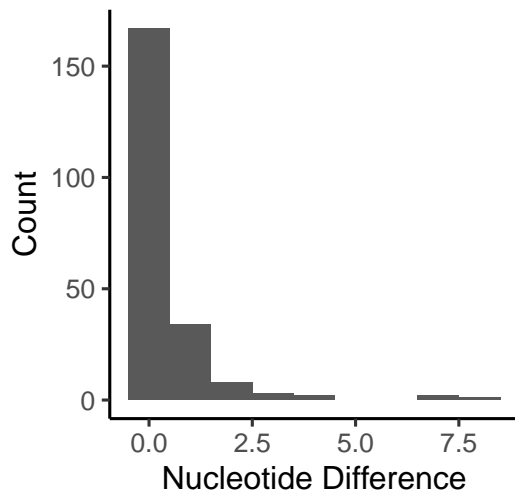
IGKV1-17*01

192 sequences assigned
157 (81.8%) exact matches, in which:
127 unique CDR3
5 unique J



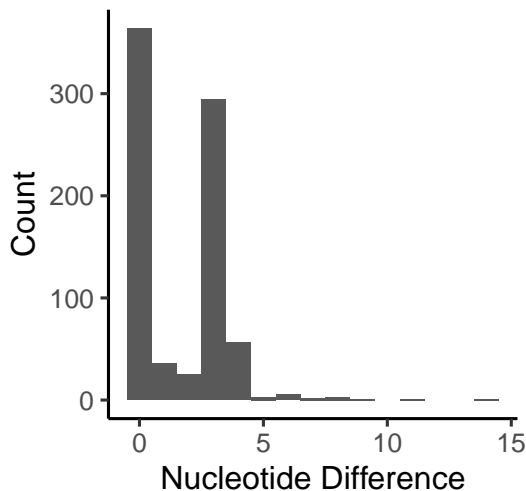
IGKV1-6*01

217 sequences assigned
167 (77%) exact matches, in which:
108 unique CDR3
5 unique J



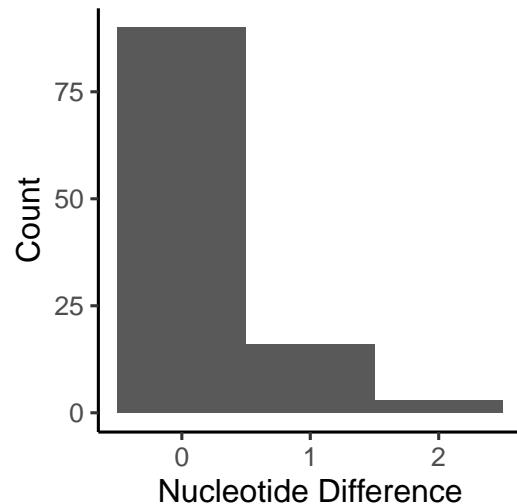
IGKV1-9*01

791 sequences assigned
364 (46%) exact matches, in which:
301 unique CDR3
5 unique J



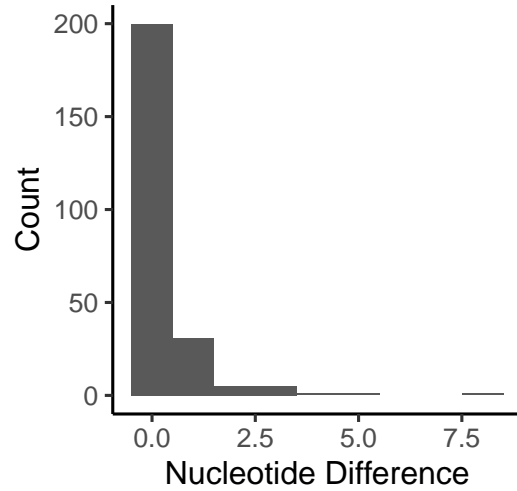
IGKV1-17*03

109 sequences assigned
90 (82.6%) exact matches, in which:
73 unique CDR3
5 unique J



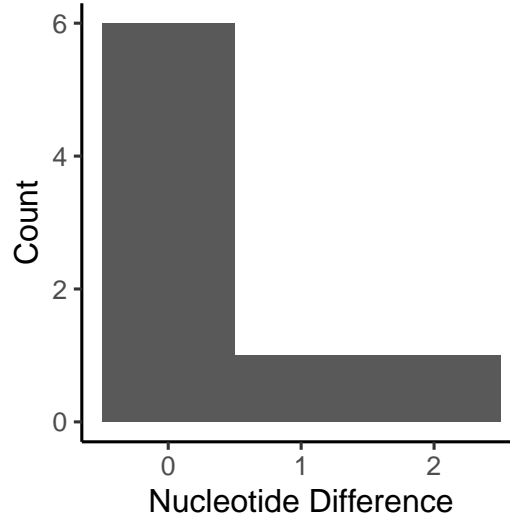
IGKV1-27*01

244 sequences assigned
200 (82%) exact matches, in which:
174 unique CDR3
5 unique J



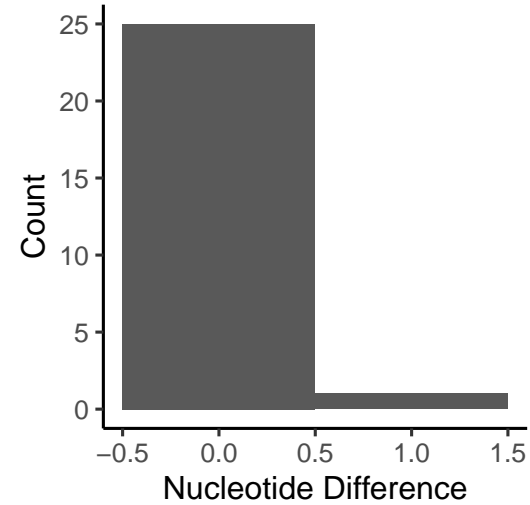
IGKV2/OR22-4*01

8 sequences assigned
6 (75%) exact matches, in which:
6 unique CDR3
4 unique J



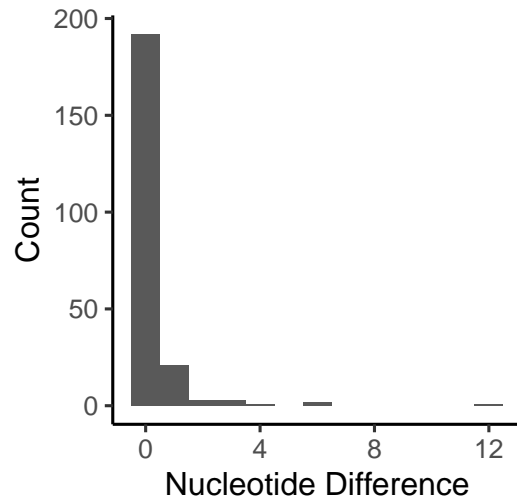
IGKV2-24*01_T314C

26 sequences assigned
25 (96.2%) exact matches, in which:
24 unique CDR3
5 unique J



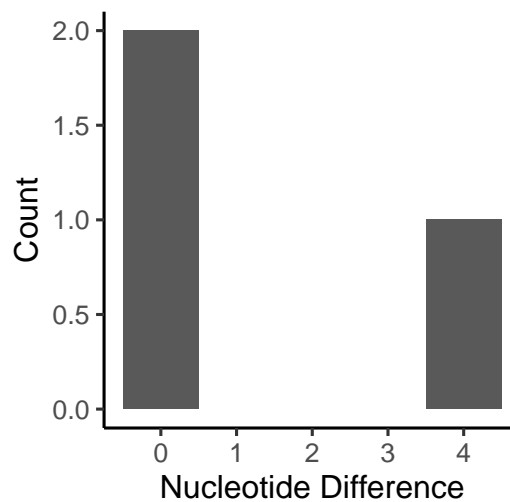
IGKV1-27*01_T231C

223 sequences assigned
192 (86.1%) exact matches, in which:
166 unique CDR3
5 unique J



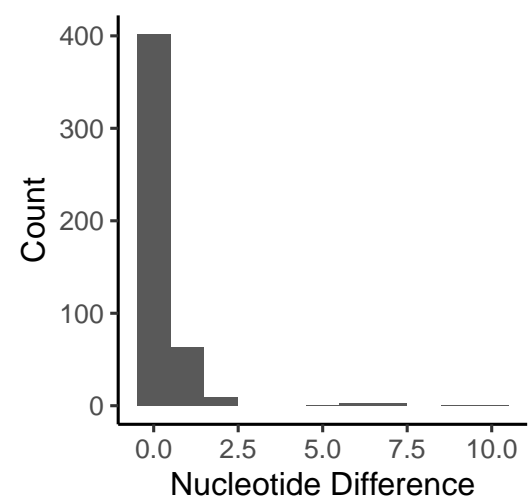
IGKV2-18*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



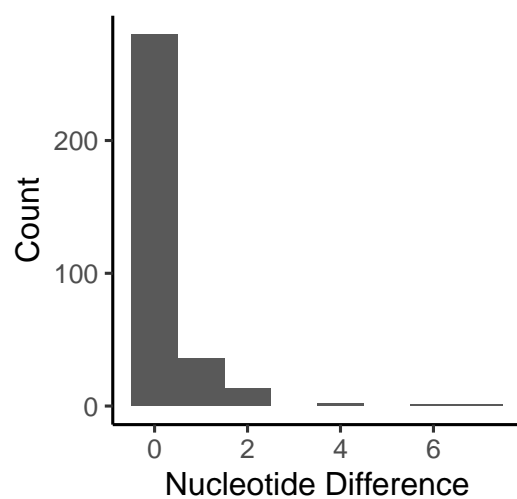
IGKV2-29*02

483 sequences assigned
402 (83.2%) exact matches, in which:
326 unique CDR3
5 unique J



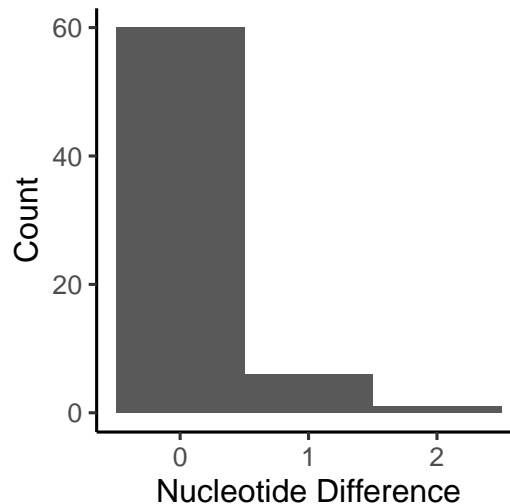
IGKV1-NL1*01

333 sequences assigned
280 (84.1%) exact matches, in which:
235 unique CDR3
5 unique J



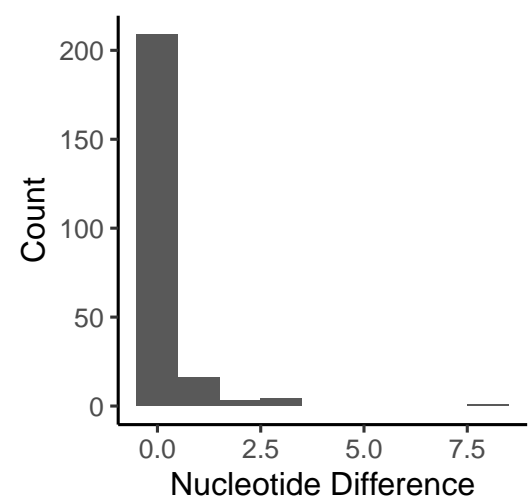
IGKV2-24*01

67 sequences assigned
60 (89.6%) exact matches, in which:
53 unique CDR3
5 unique J



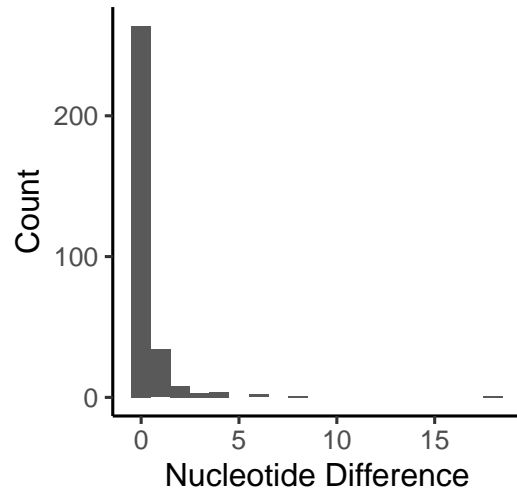
IGKV2-30*01

233 sequences assigned
209 (89.7%) exact matches, in which:
187 unique CDR3
5 unique J



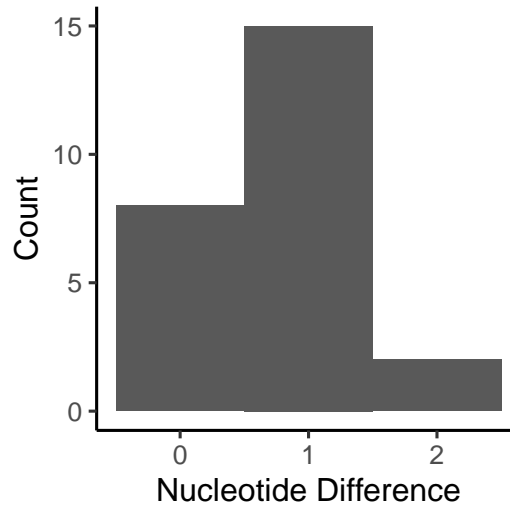
IGKV2–30*02

319 sequences assigned
264 (82.8%) exact matches, in which:
238 unique CDR3
5 unique J



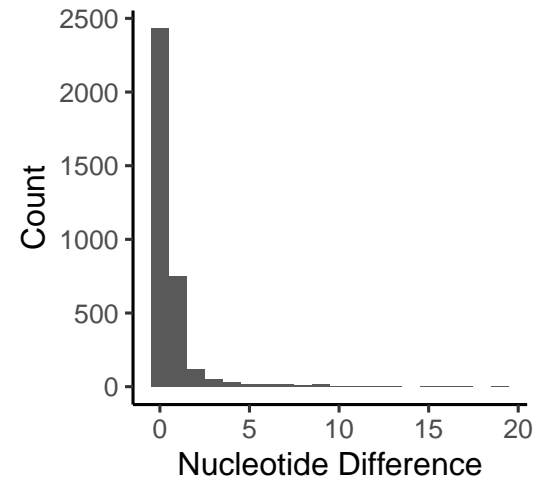
IGKV3–7*04

25 sequences assigned
8 (32%) exact matches, in which:
8 unique CDR3
4 unique J



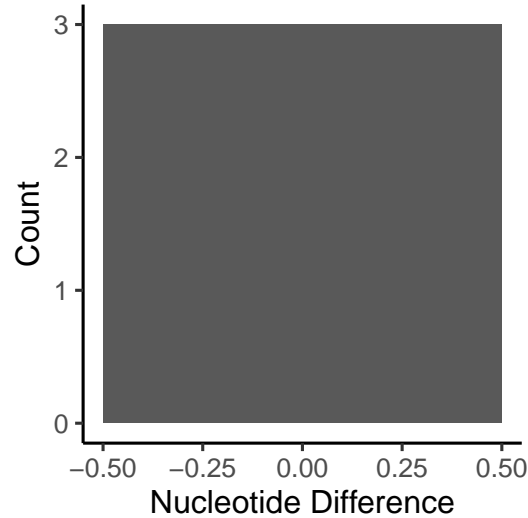
IGKV3–20*01

3468 sequences assigned
2432 (70.1%) exact matches, in which:
1814 unique CDR3
5 unique J



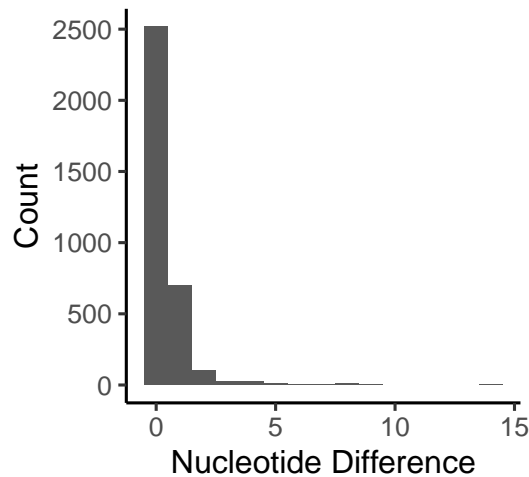
IGKV1/OR2–108*01

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



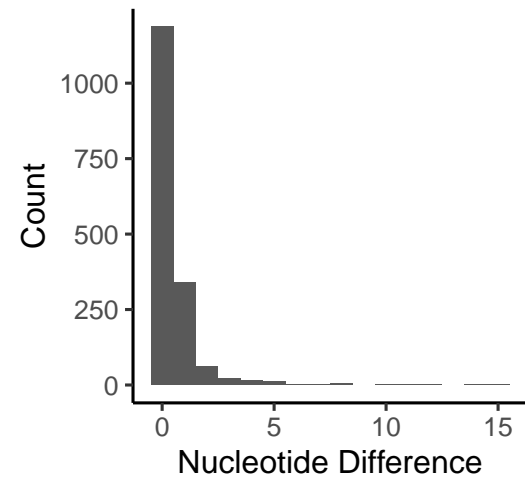
IGKV3–11*01

3394 sequences assigned
2517 (74.2%) exact matches, in which:
1778 unique CDR3
5 unique J



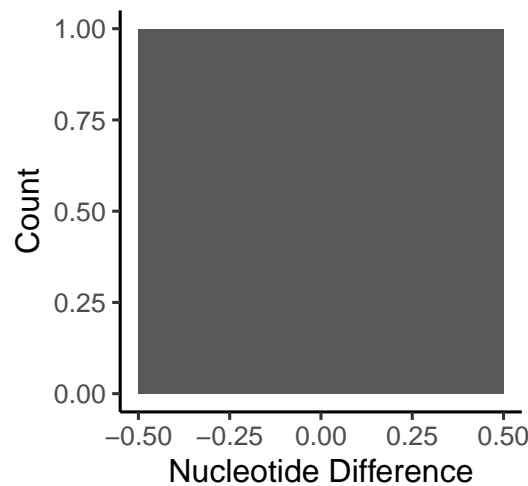
IGKV4–1*01

1649 sequences assigned
1187 (72%) exact matches, in which:
867 unique CDR3
5 unique J



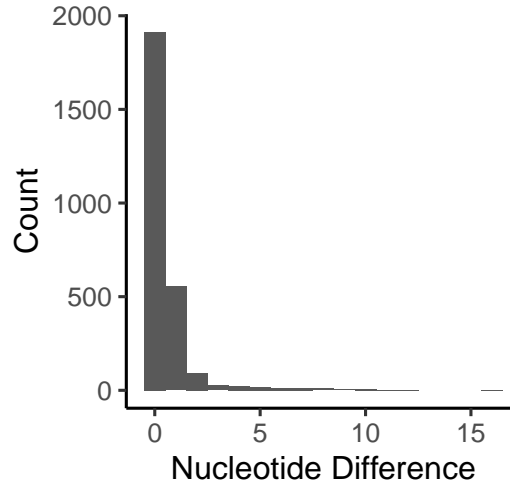
IGKV3/OR2–268*01

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



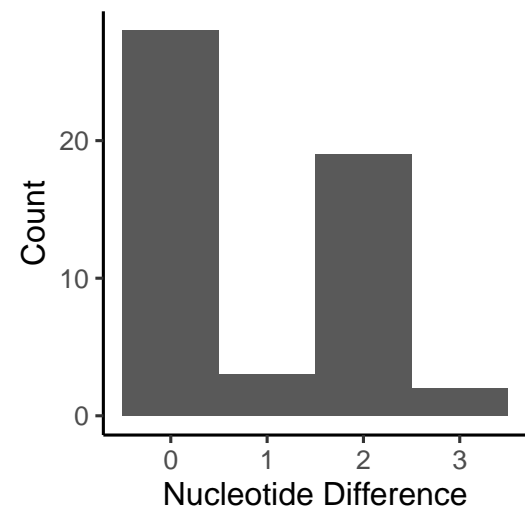
IGKV3–15*01

2678 sequences assigned
1913 (71.4%) exact matches, in which:
1388 unique CDR3
5 unique J



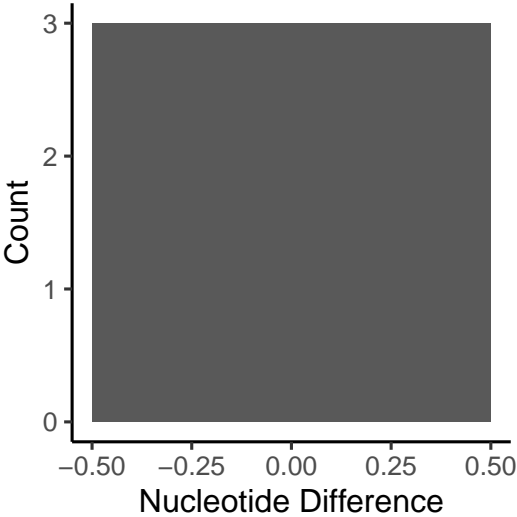
IGKV5–2*01

52 sequences assigned
28 (53.8%) exact matches, in which:
26 unique CDR3
4 unique J



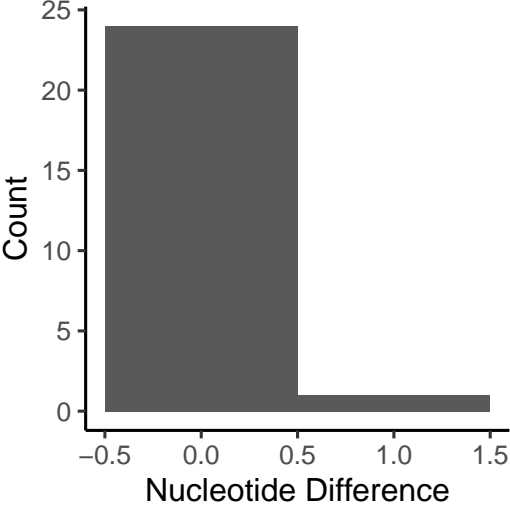
IGKV7-3*01

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



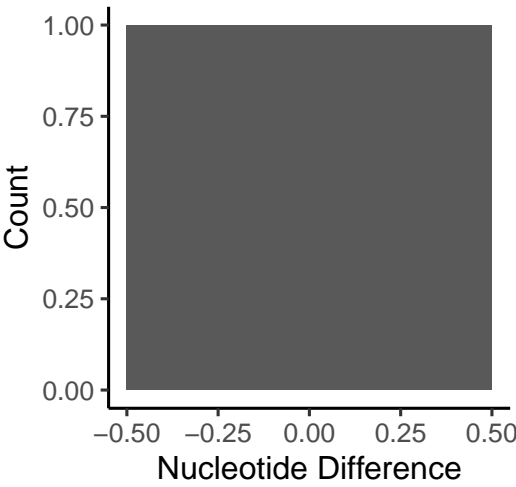
IGKV3D-11*02

25 sequences assigned
24 (96%) exact matches, in which:
23 unique CDR3
4 unique J



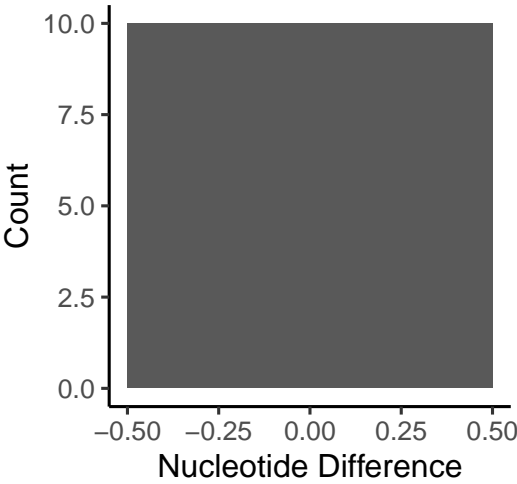
IGKV1D-17*01

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



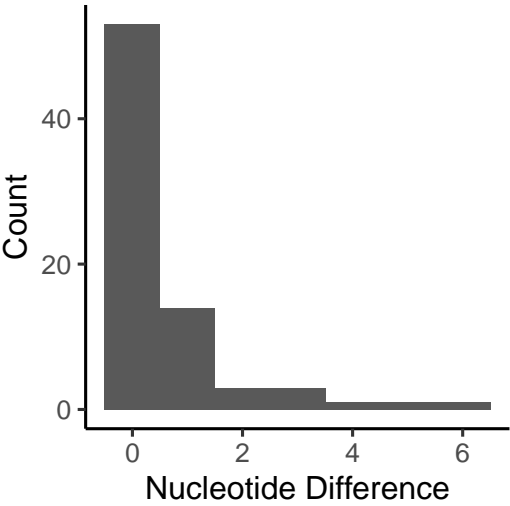
IGKV3D-7*01

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



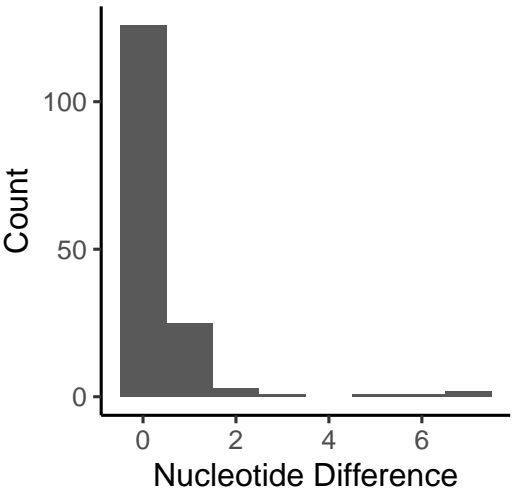
IGKV3D-15*01

76 sequences assigned
53 (69.7%) exact matches, in which:
46 unique CDR3
5 unique J



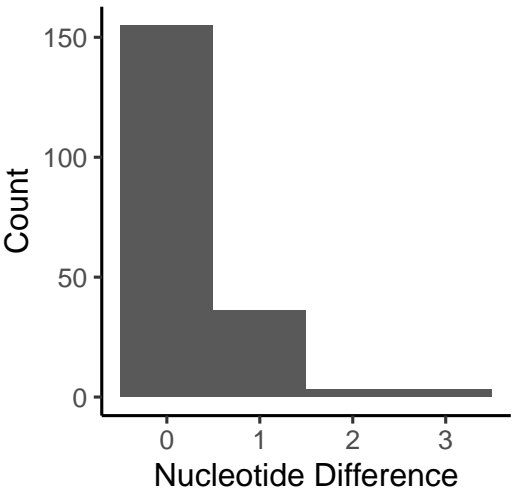
IGKV3D-20*01

159 sequences assigned
126 (79.2%) exact matches, in which:
106 unique CDR3
5 unique J



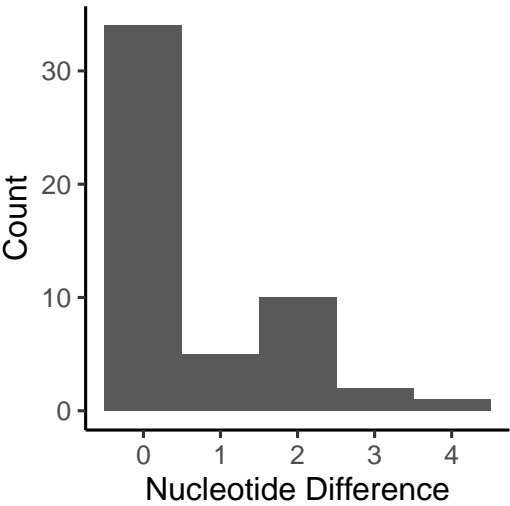
IGKV1D-8*01

197 sequences assigned
155 (78.7%) exact matches, in which:
108 unique CDR3
5 unique J



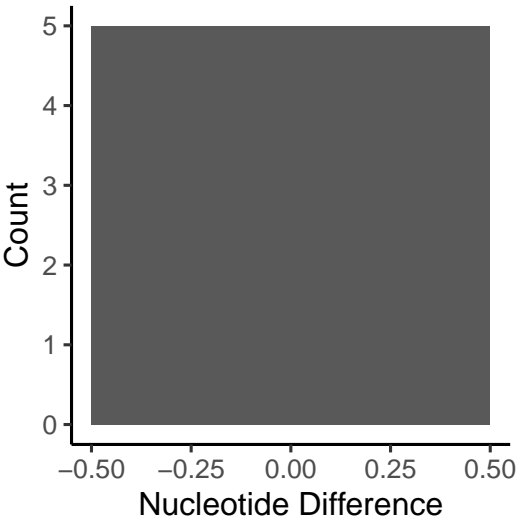
IGKV1D-16*01

52 sequences assigned
34 (65.4%) exact matches, in which:
28 unique CDR3
5 unique J



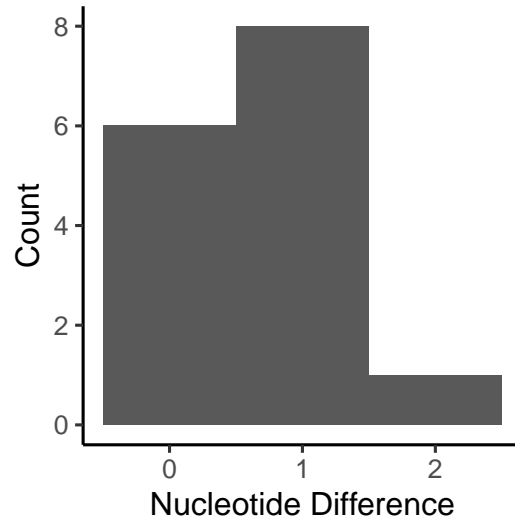
IGKV2D-24*01

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



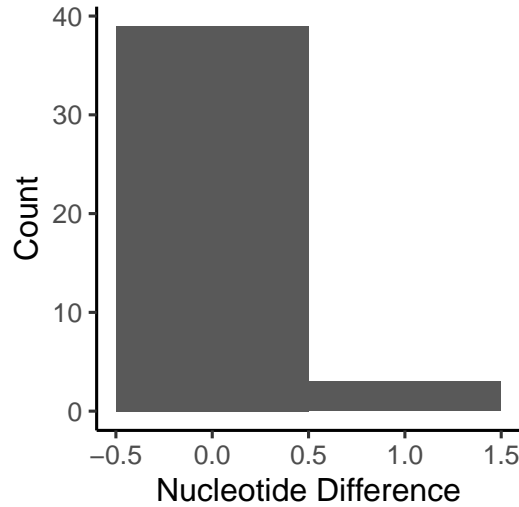
IGKV2D-26*03

15 sequences assigned
6 (40%) exact matches, in which:
6 unique CDR3
2 unique J



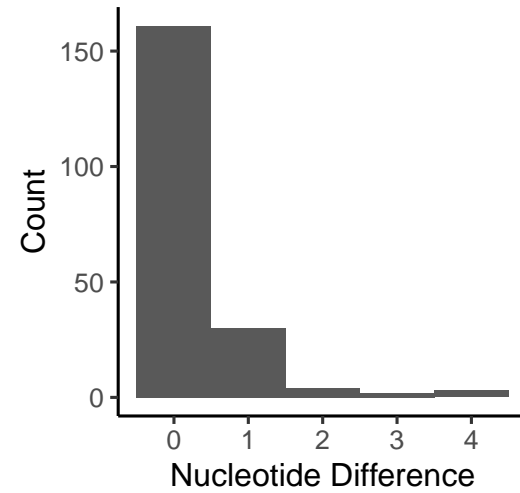
IGKV2D-30*01

42 sequences assigned
39 (92.9%) exact matches, in which:
39 unique CDR3
5 unique J



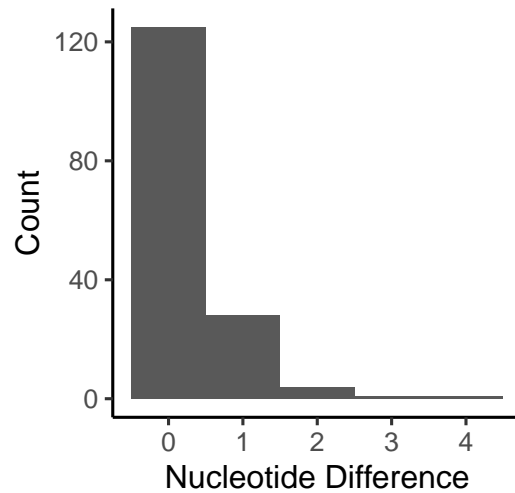
IGKV1E-12*01

200 sequences assigned
161 (80.5%) exact matches, in which:
109 unique CDR3
5 unique J



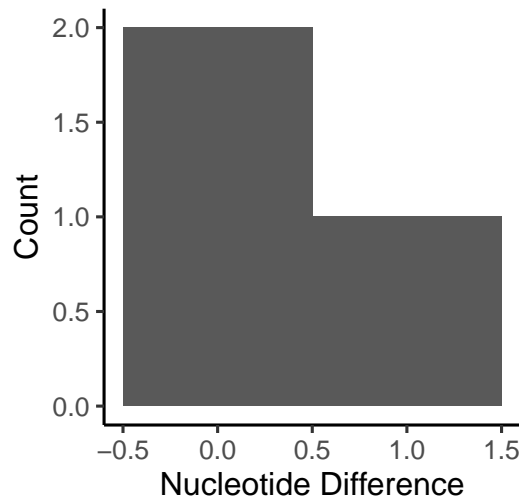
IGKV2D-29*01

159 sequences assigned
125 (78.6%) exact matches, in which:
112 unique CDR3
5 unique J



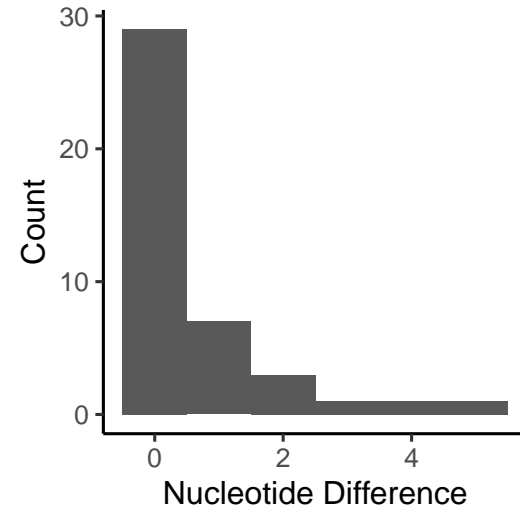
IGKV6D-41*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
1 unique J



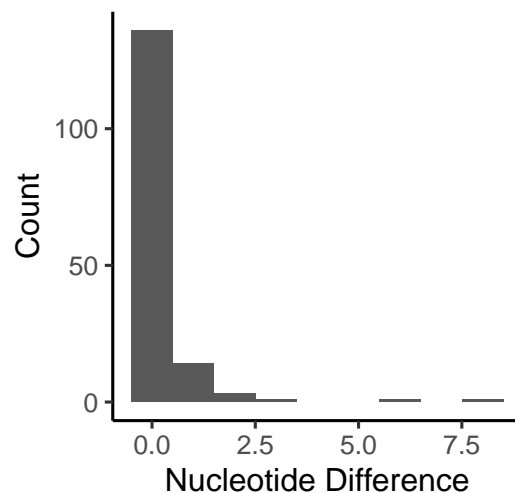
IGKV1E-12*02

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



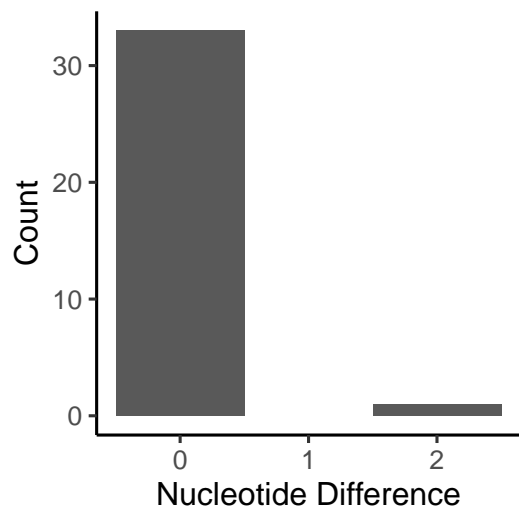
IGKV2D-29*02

156 sequences assigned
136 (87.2%) exact matches, in which:
125 unique CDR3
5 unique J



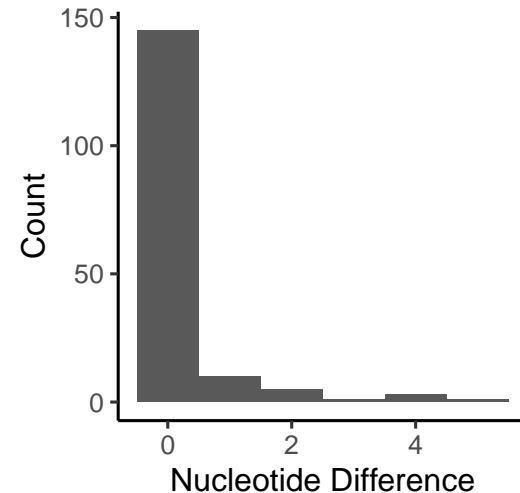
IGKV1D-43*01

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



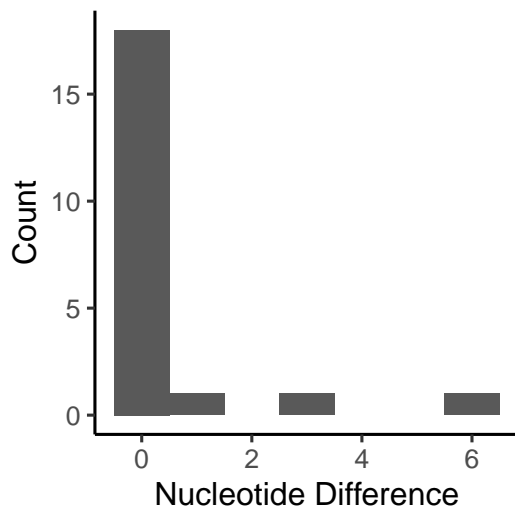
IGKV1E-12*03

165 sequences assigned
145 (87.9%) exact matches, in which:
114 unique CDR3
5 unique J



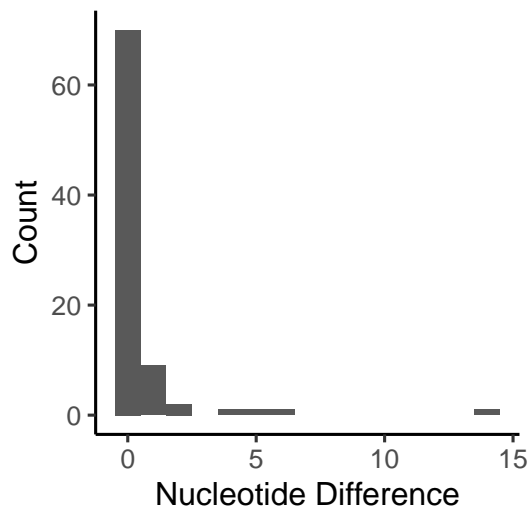
IGKV1E-13*02

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



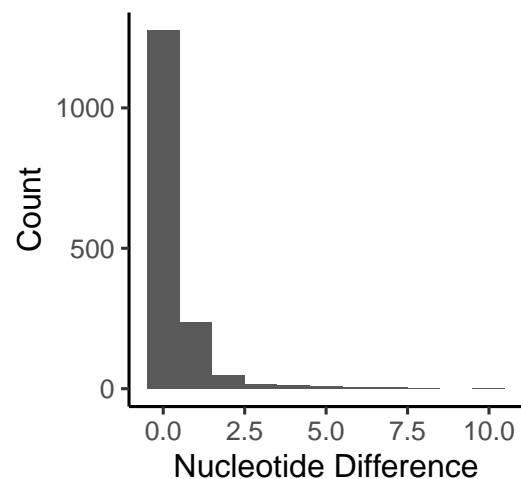
IGKV6E-21*02

85 sequences assigned
70 (82.4%) exact matches, in which:
65 unique CDR3
5 unique J



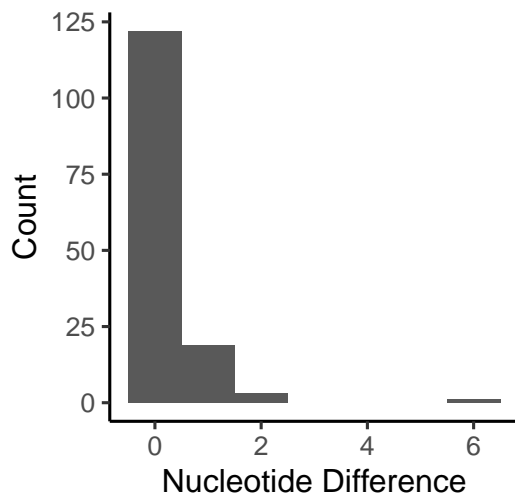
IGKV1E-33*01

1611 sequences assigned
1276 (79.2%) exact matches, in which:
972 unique CDR3
5 unique J



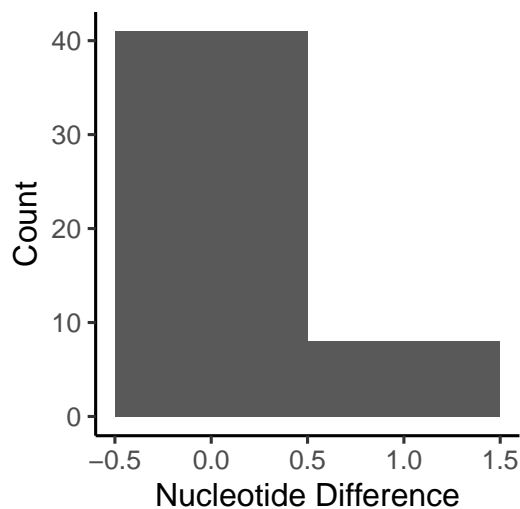
IGKV1E-13*03

145 sequences assigned
122 (84.1%) exact matches, in which:
104 unique CDR3
5 unique J



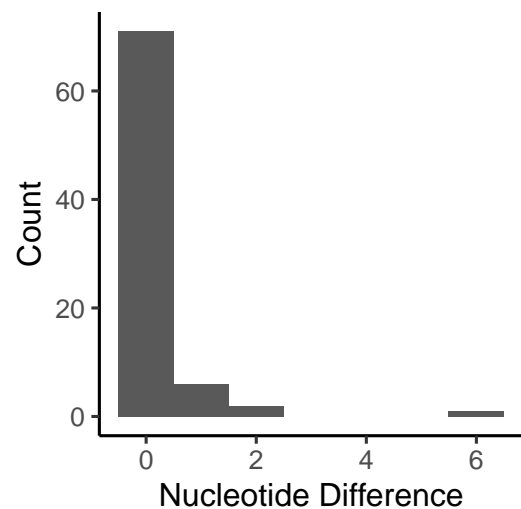
IGKV6E-21*03

49 sequences assigned
41 (83.7%) exact matches, in which:
34 unique CDR3
5 unique J



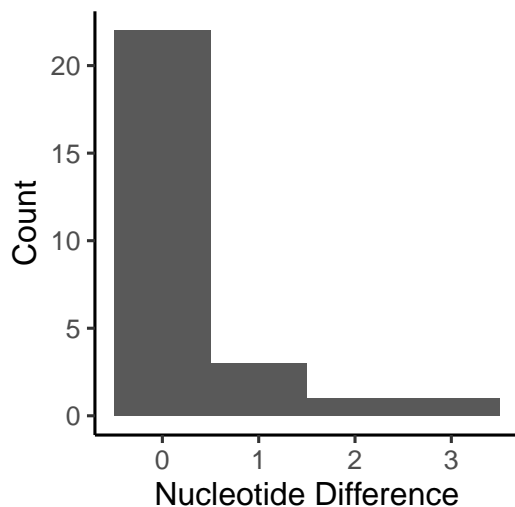
IGKV1E-37*01

80 sequences assigned
71 (88.8%) exact matches, in which:
67 unique CDR3
5 unique J



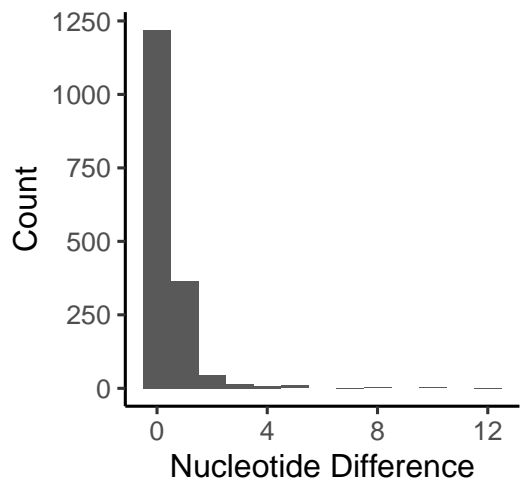
IGKV6E-21*01

27 sequences assigned
22 (81.5%) exact matches, in which:
21 unique CDR3
5 unique J



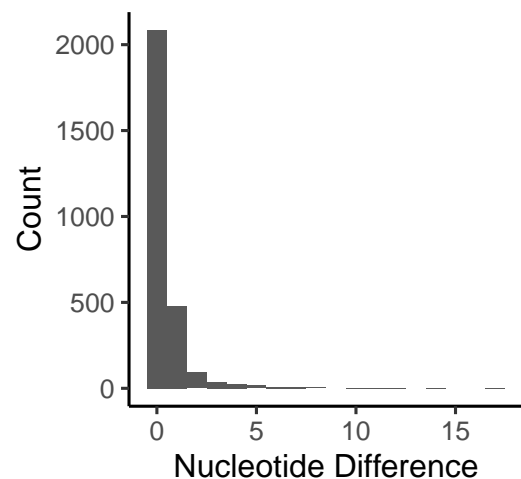
IGKV2E-28*01

1670 sequences assigned
1219 (73%) exact matches, in which:
895 unique CDR3
5 unique J



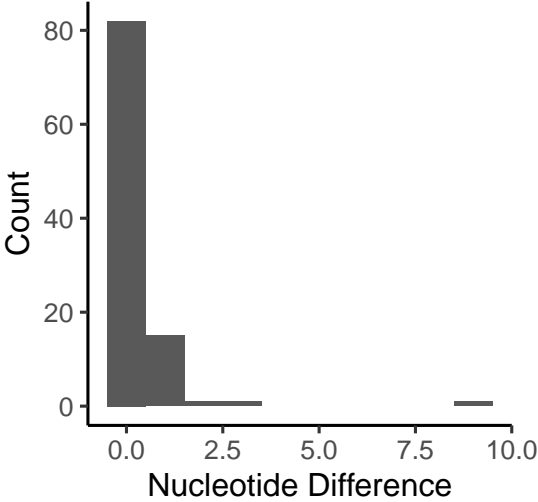
IGKV1E-39*01

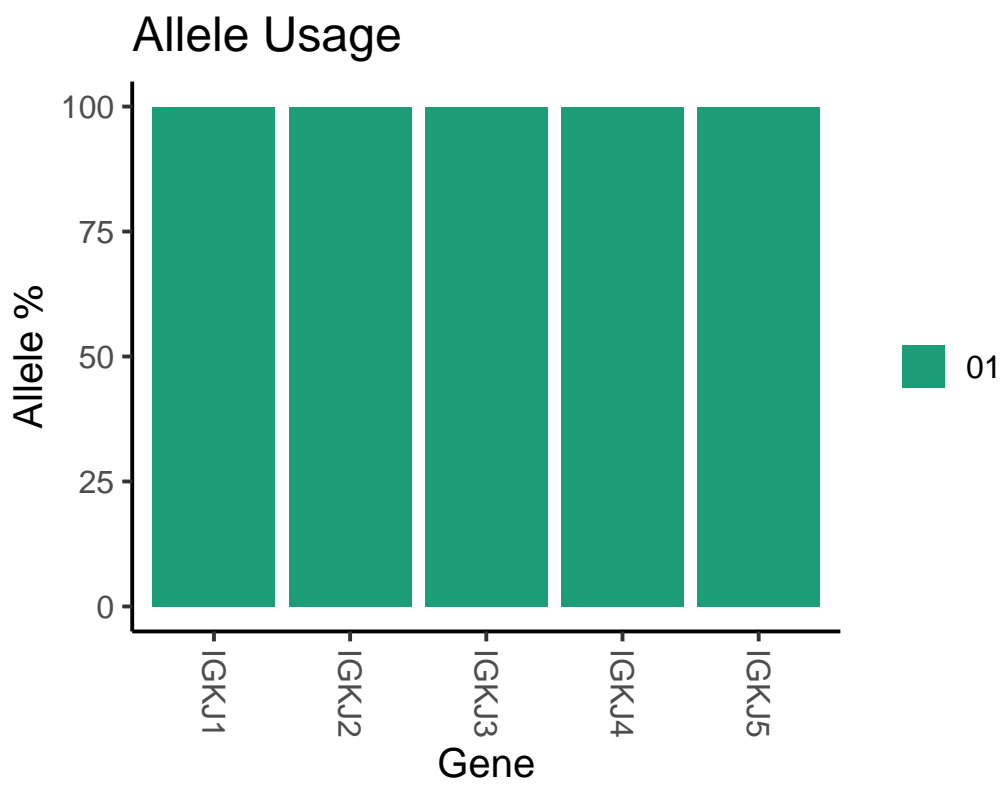
2760 sequences assigned
2085 (75.5%) exact matches, in which:
1525 unique CDR3
5 unique J



IGKV2E-40*01

100 sequences assigned
82 (82%) exact matches, in which:
65 unique CDR3
5 unique J





Warning – no inferred sequences found.