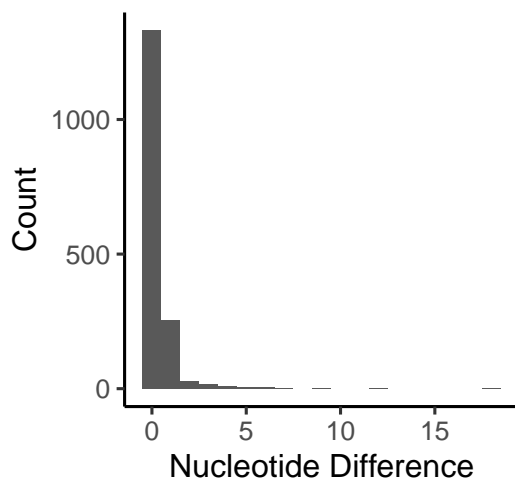


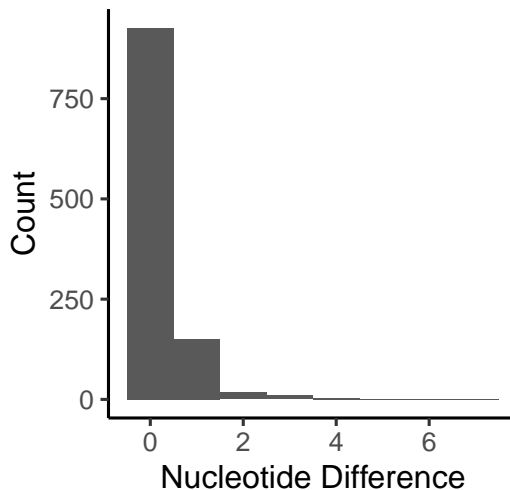
IGKV1-5*03

1654 sequences assigned
1331 (80.5%) exact matches, in which:
1015 unique CDR3
6 unique J



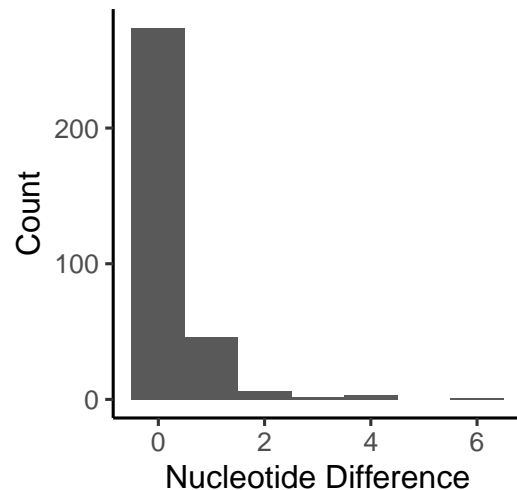
IGKV1-9*01

1112 sequences assigned
927 (83.4%) exact matches, in which:
740 unique CDR3
6 unique J



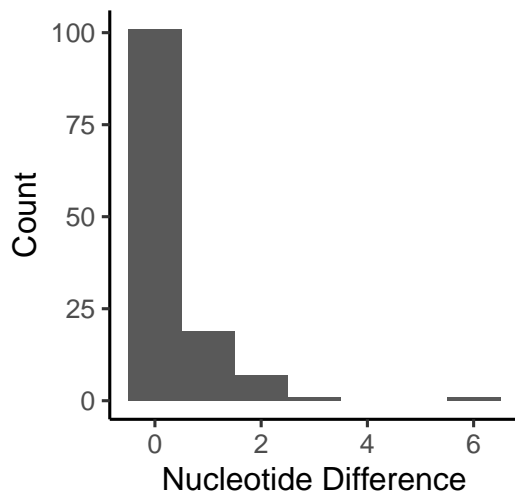
IGKV1-27*01

333 sequences assigned
274 (82.3%) exact matches, in which:
219 unique CDR3
6 unique J



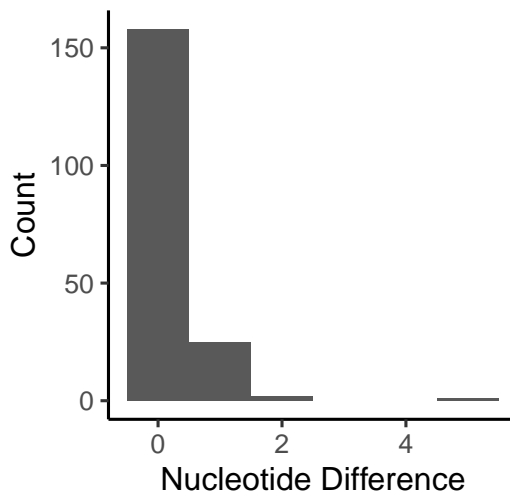
IGKV1-6*01

129 sequences assigned
101 (78.3%) exact matches, in which:
77 unique CDR3
6 unique J



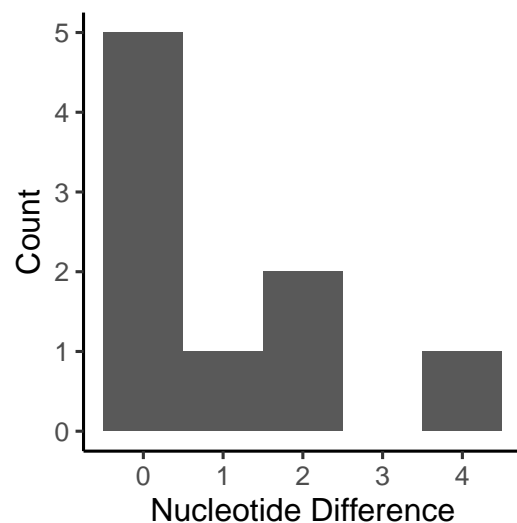
IGKV1-16*02

186 sequences assigned
158 (84.9%) exact matches, in which:
126 unique CDR3
6 unique J



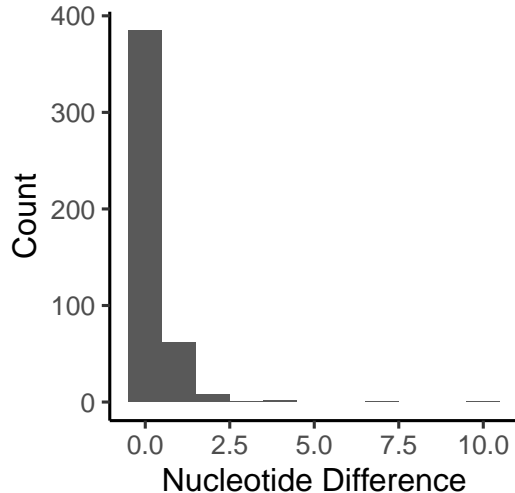
IGKV2/OR22-4*01

9 sequences assigned
5 (55.6%) exact matches, in which:
5 unique CDR3
4 unique J



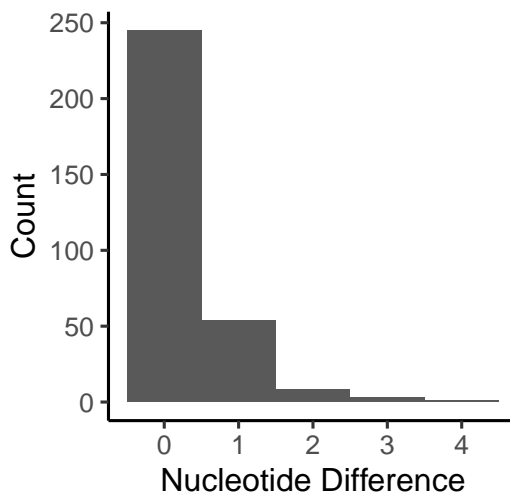
IGKV1-8*01

460 sequences assigned
385 (83.7%) exact matches, in which:
272 unique CDR3
6 unique J



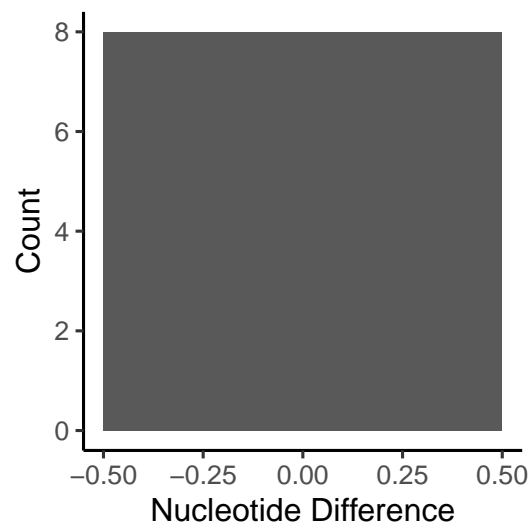
IGKV1-17*01

311 sequences assigned
245 (78.8%) exact matches, in which:
196 unique CDR3
6 unique J



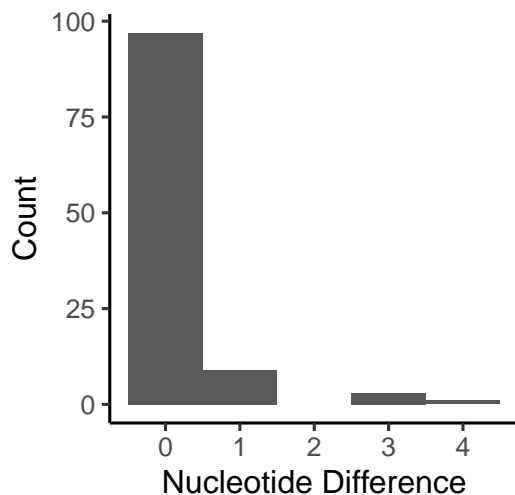
IGKV2-18*01

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



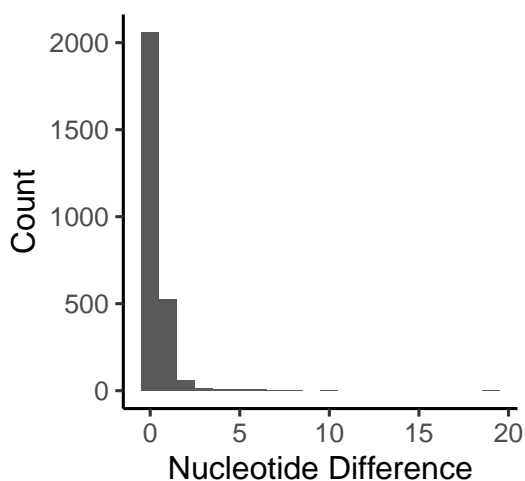
IGKV2–24*01

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



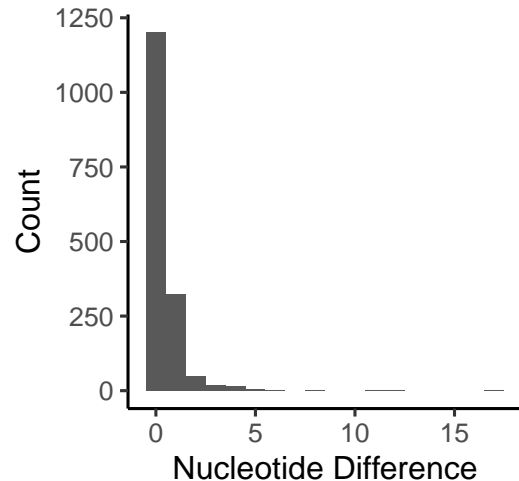
IGKV3–11*01

2695 sequences assigned
2059 (76.4%) exact matches, in which:
1538 unique CDR3
6 unique J



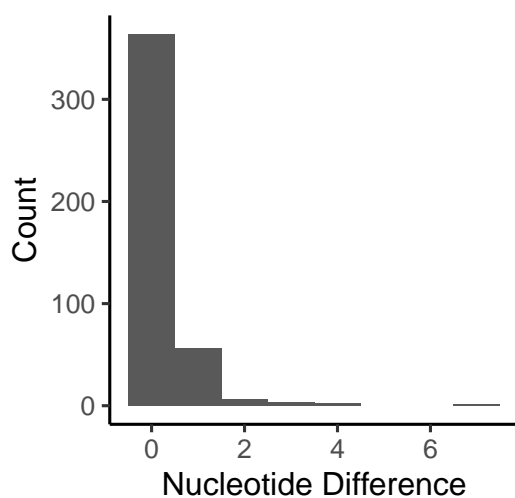
IGKV4–1*01

1616 sequences assigned
1201 (74.3%) exact matches, in which:
882 unique CDR3
6 unique J



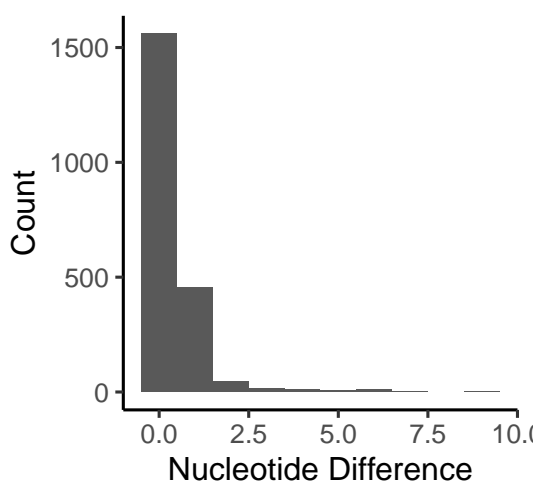
IGKV2–30*01

432 sequences assigned
364 (84.3%) exact matches, in which:
326 unique CDR3
6 unique J



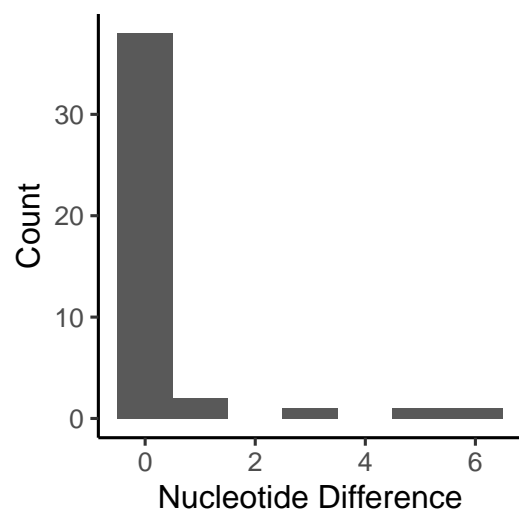
IGKV3–15*01

2106 sequences assigned
1560 (74.1%) exact matches, in which:
1210 unique CDR3
6 unique J



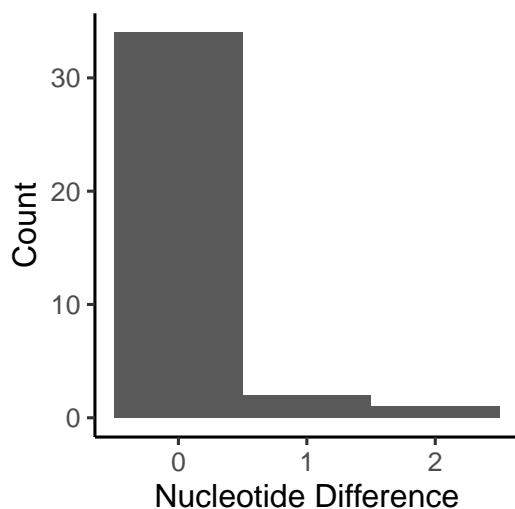
IGKV5–2*01

43 sequences assigned
38 (88.4%) exact matches, in which:
36 unique CDR3
6 unique J



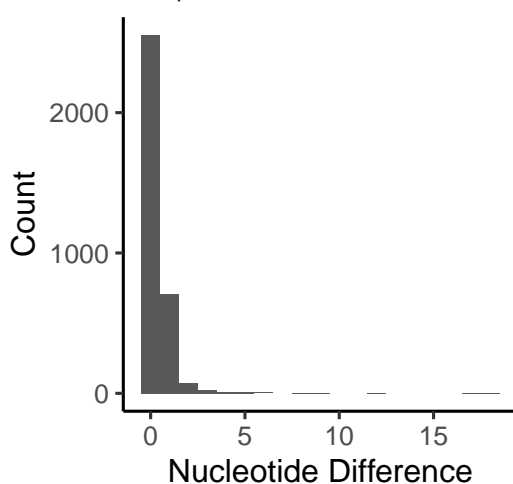
IGKV3–7*04

37 sequences assigned
34 (91.9%) exact matches, in which:
32 unique CDR3
6 unique J



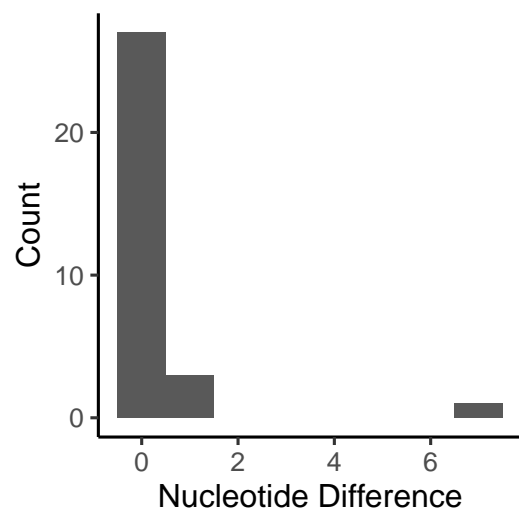
IGKV3–20*01

3388 sequences assigned
2553 (75.4%) exact matches, in which:
1993 unique CDR3
6 unique J



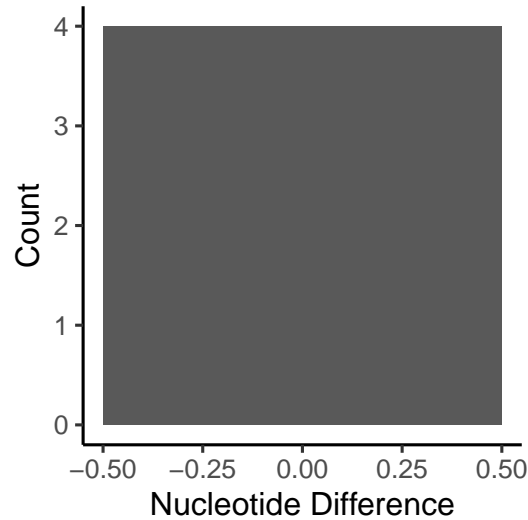
IGKV5–2*01_C214T

31 sequences assigned
27 (87.1%) exact matches, in which:
27 unique CDR3
6 unique J



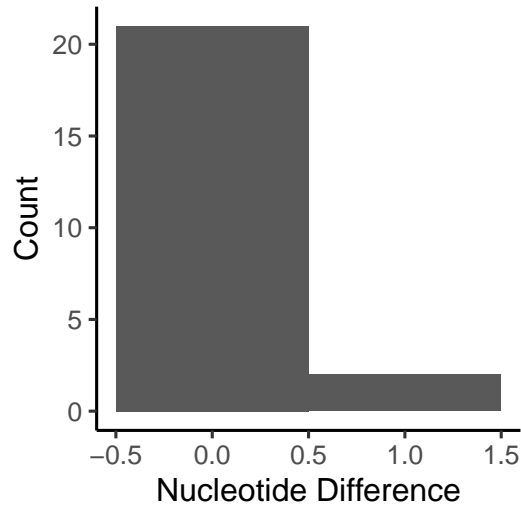
IGKV7-3*01

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



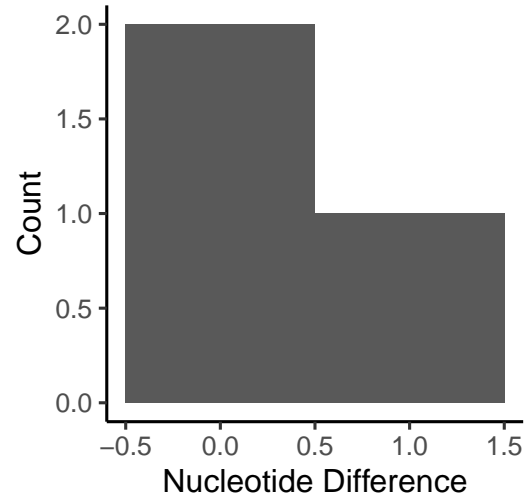
IGKV3D-11*01

23 sequences assigned
21 (91.3%) exact matches, in which:
21 unique CDR3
5 unique J



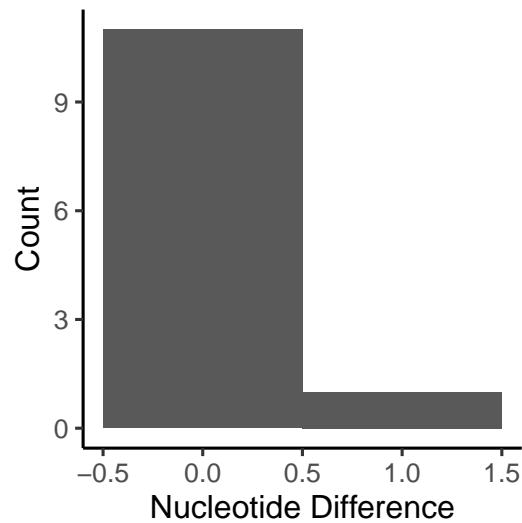
IGKV1D-17*01

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



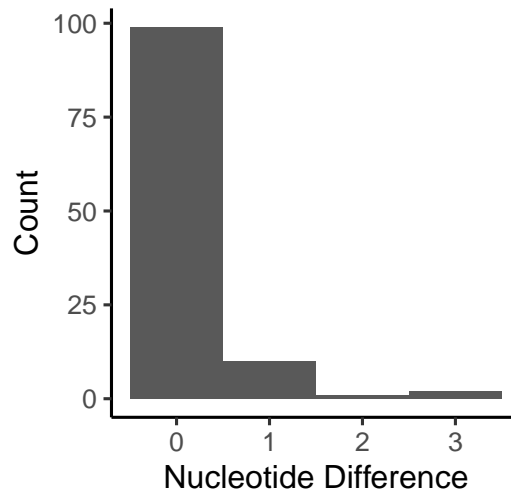
IGKV3D-7*01

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
4 unique J



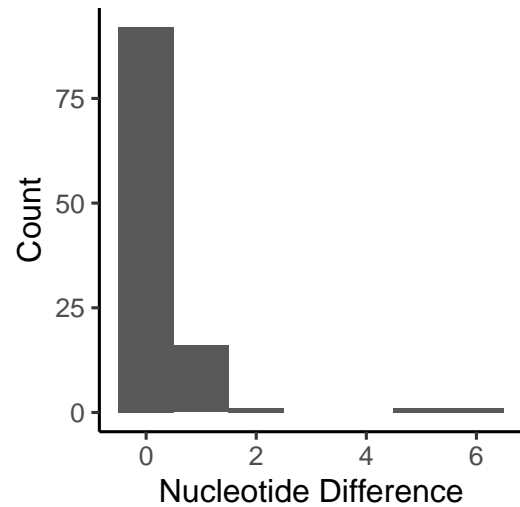
IGKV3D-15*01

112 sequences assigned
99 (88.4%) exact matches, in which:
83 unique CDR3
6 unique J



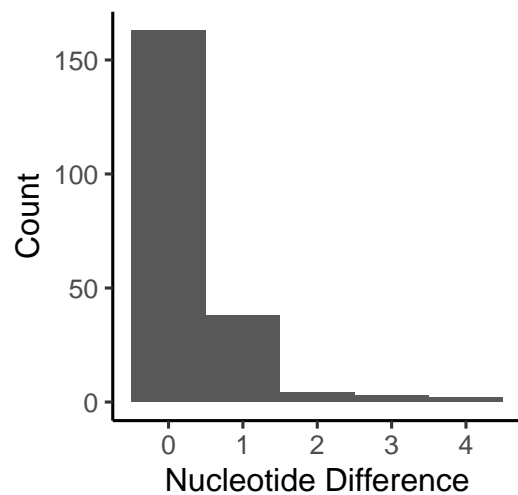
IGKV3D-20*01

111 sequences assigned
92 (82.9%) exact matches, in which:
77 unique CDR3
6 unique J



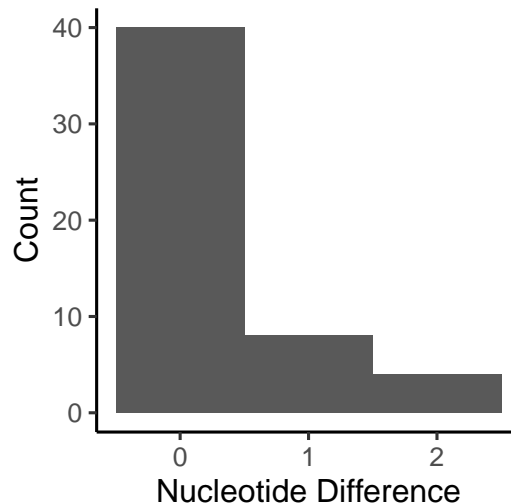
IGKV1D-8*01

210 sequences assigned
163 (77.6%) exact matches, in which:
108 unique CDR3
6 unique J



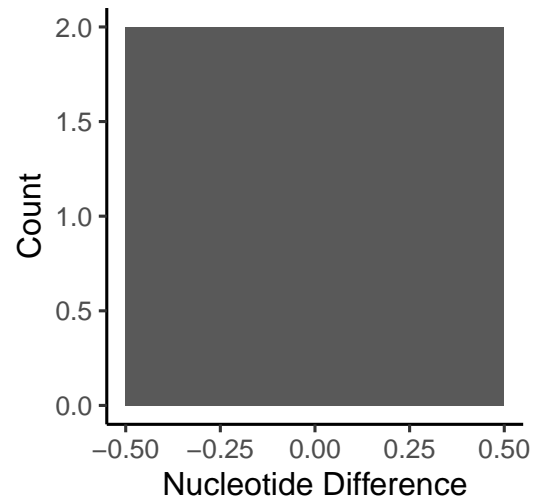
IGKV1D-16*01

52 sequences assigned
40 (76.9%) exact matches, in which:
32 unique CDR3
6 unique J



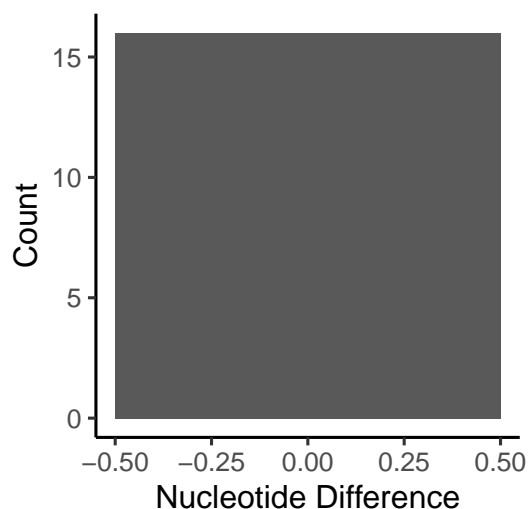
IGKV2D-24*01

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



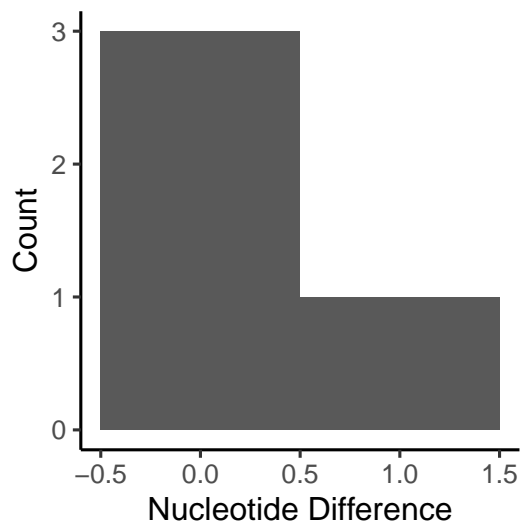
IGKV2D-26*03

16 sequences assigned
16 (100%) exact matches, in which:
16 unique CDR3
3 unique J



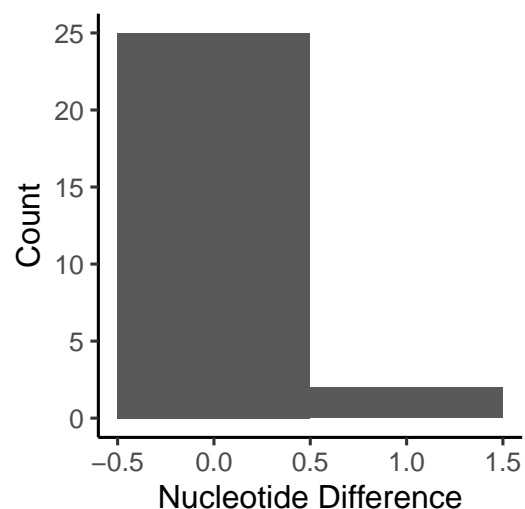
IGKV6D-41*01

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



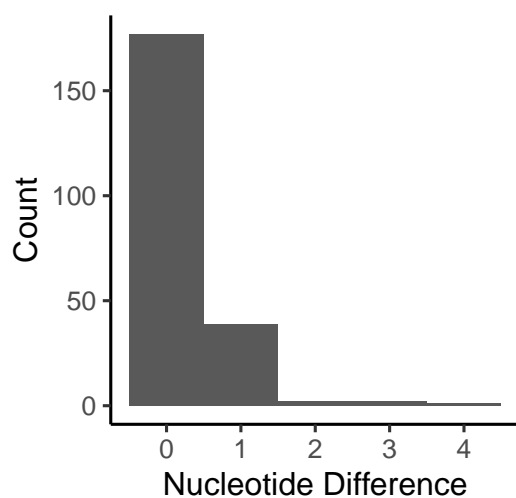
IGKV1E-12*02

27 sequences assigned
25 (92.6%) exact matches, in which:
22 unique CDR3
6 unique J



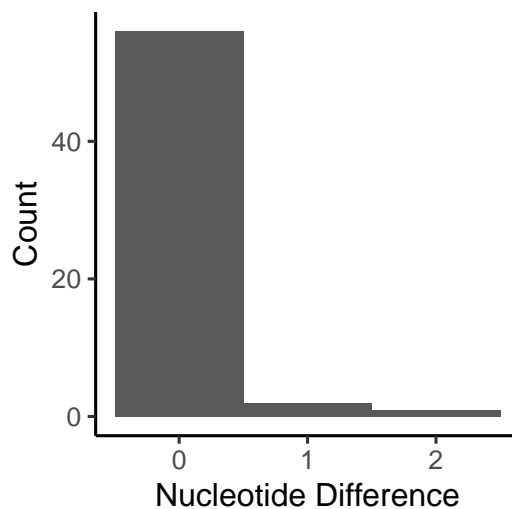
IGKV2D-29*01

222 sequences assigned
177 (79.7%) exact matches, in which:
154 unique CDR3
6 unique J



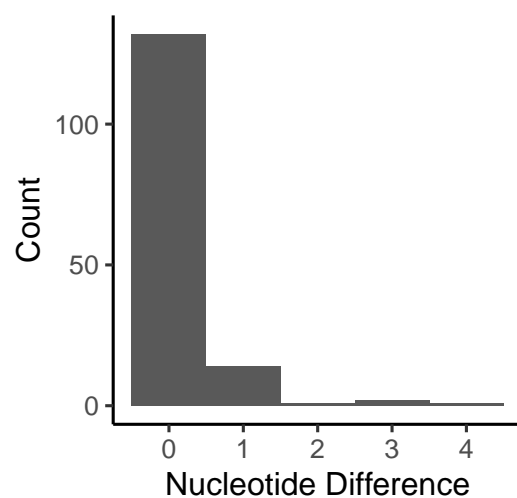
IGKV1D-43*01

59 sequences assigned
56 (94.9%) exact matches, in which:
52 unique CDR3
6 unique J



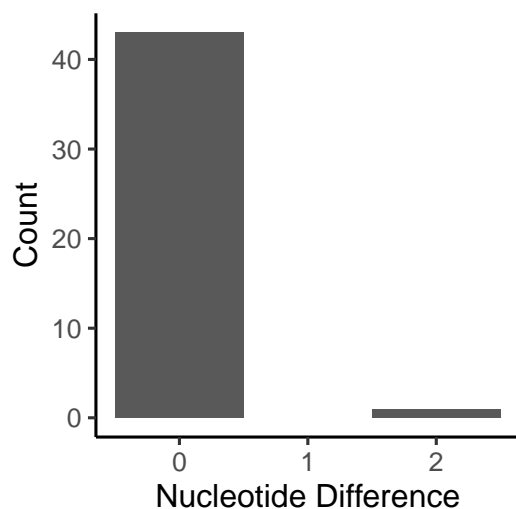
IGKV1E-12*03

150 sequences assigned
132 (88%) exact matches, in which:
102 unique CDR3
6 unique J



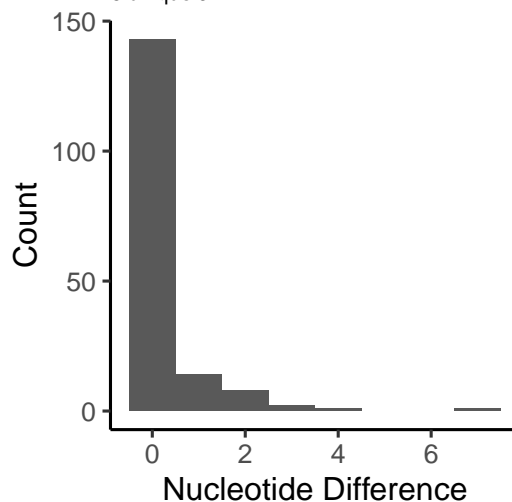
IGKV2D-30*01

44 sequences assigned
43 (97.7%) exact matches, in which:
39 unique CDR3
6 unique J



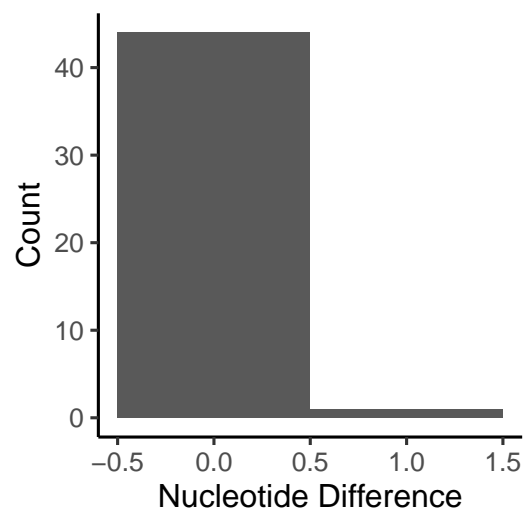
IGKV1E-12*01

169 sequences assigned
143 (84.6%) exact matches, in which:
99 unique CDR3
6 unique J



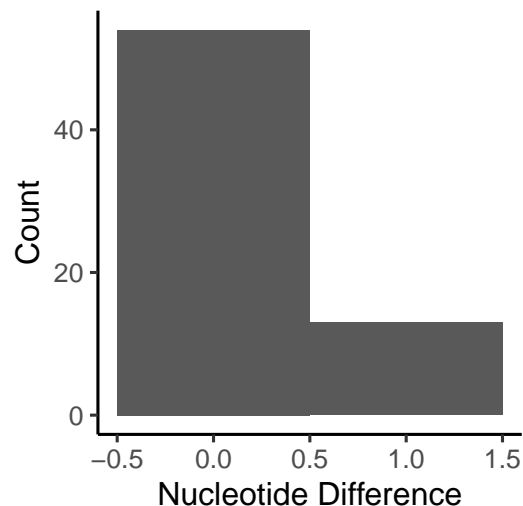
IGKV1E-13*03

45 sequences assigned
44 (97.8%) exact matches, in which:
38 unique CDR3
5 unique J



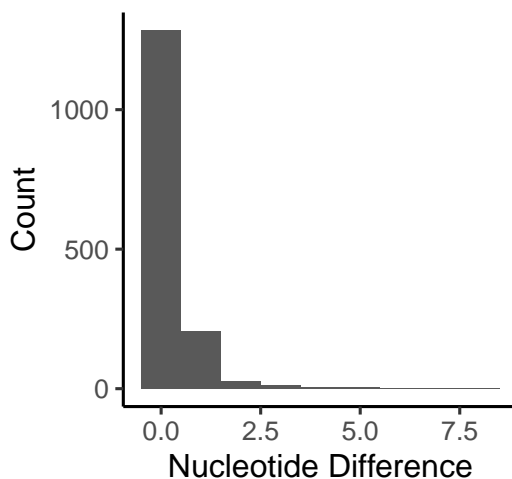
IGKV6E-21*01

67 sequences assigned
54 (80.6%) exact matches, in which:
44 unique CDR3
6 unique J



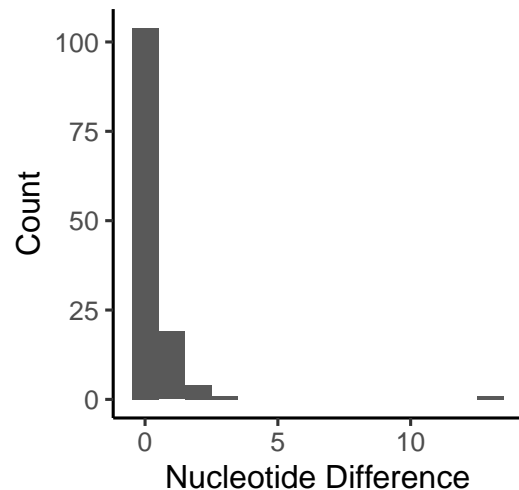
IGKV1E-33*01

1549 sequences assigned
1284 (82.9%) exact matches, in which:
981 unique CDR3
6 unique J



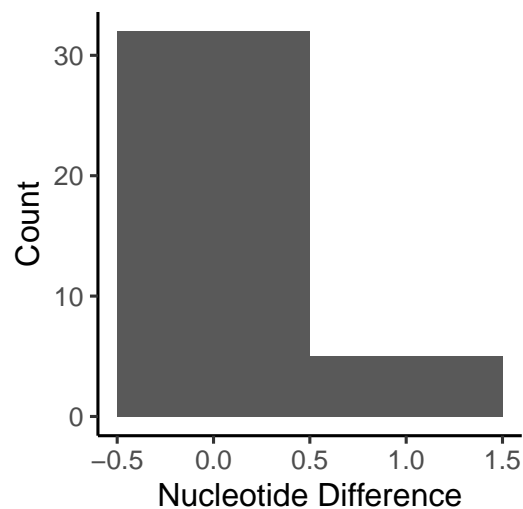
IGKV2E-40*01

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



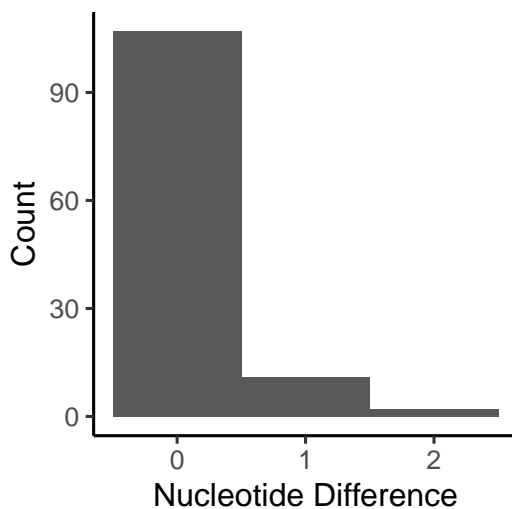
IGKV6E-21*03

37 sequences assigned
32 (86.5%) exact matches, in which:
27 unique CDR3
6 unique J



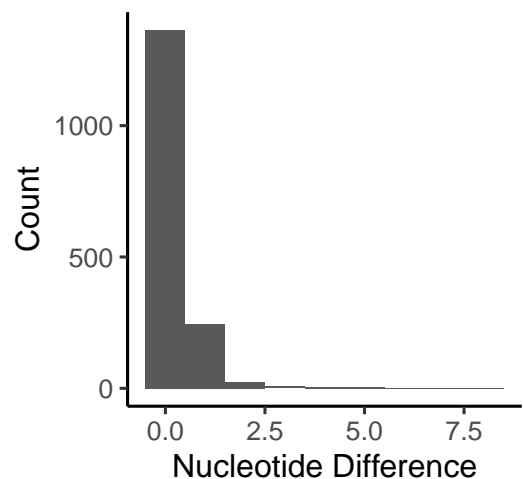
IGKV1E-37*01

120 sequences assigned
107 (89.2%) exact matches, in which:
95 unique CDR3
6 unique J



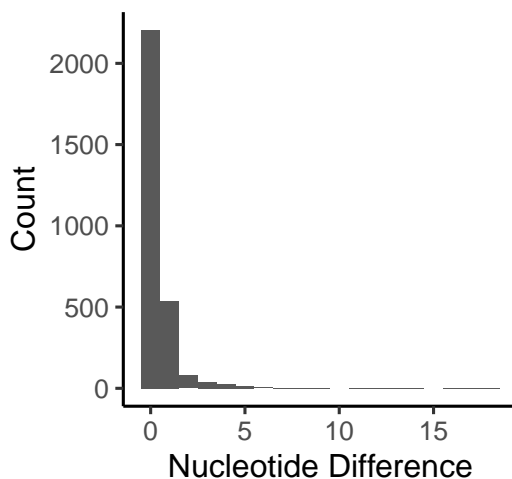
IGKV2E-28*01

1656 sequences assigned
1364 (82.4%) exact matches, in which:
1047 unique CDR3
6 unique J

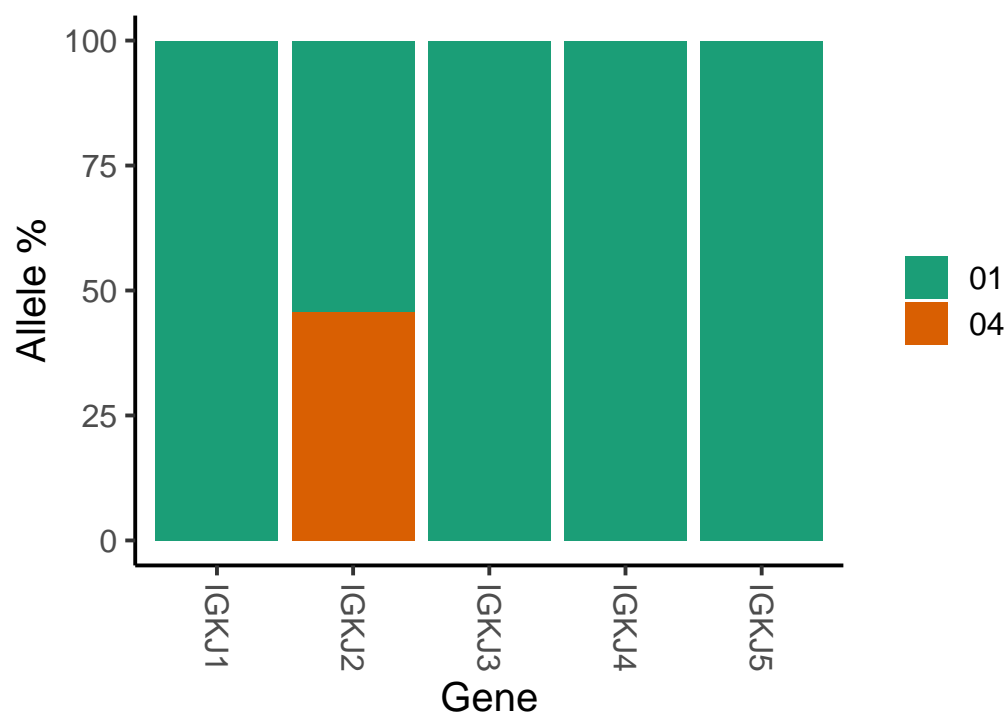


IGKV1E-39*01

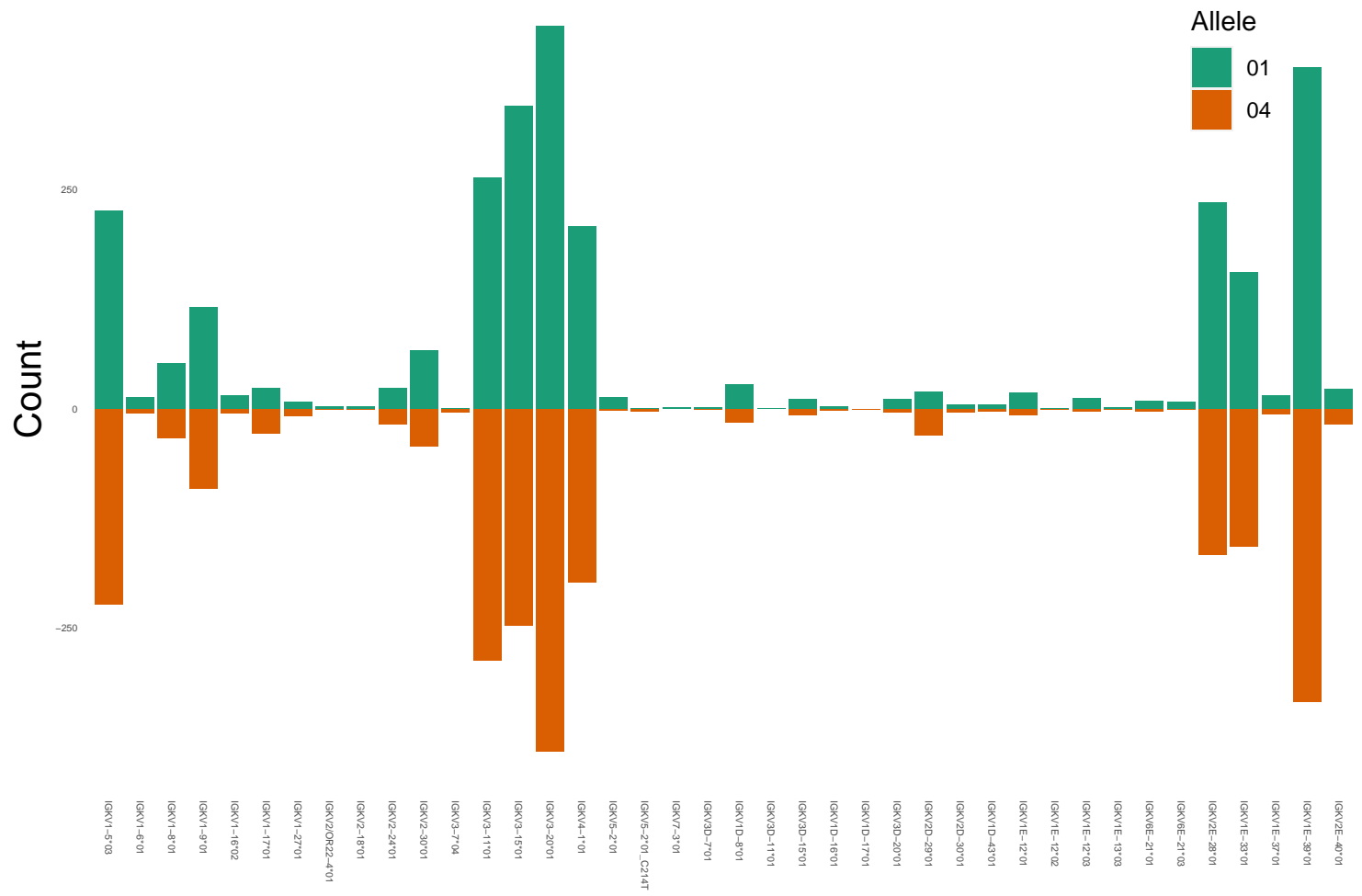
2919 sequences assigned
2205 (75.5%) exact matches, in which:
1645 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGKJ2 allele usage



Warning – no inferred sequences found.