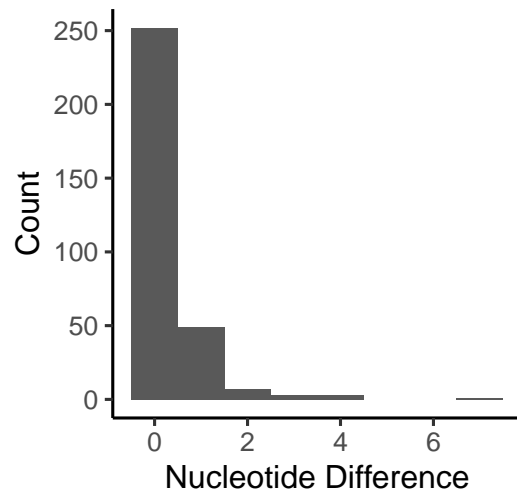


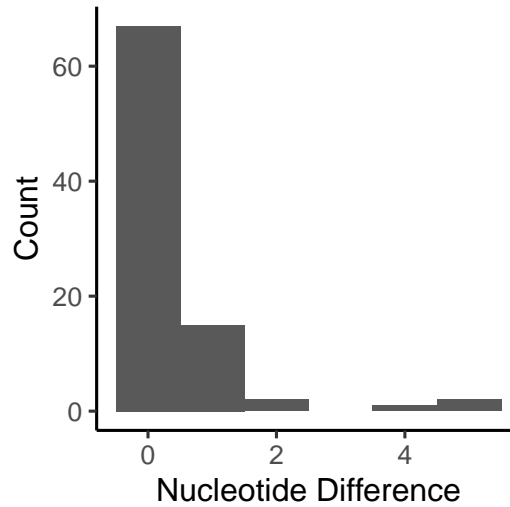
IGKV1-5*03

315 sequences assigned
252 (80%) exact matches, in which:
222 unique CDR3
6 unique J



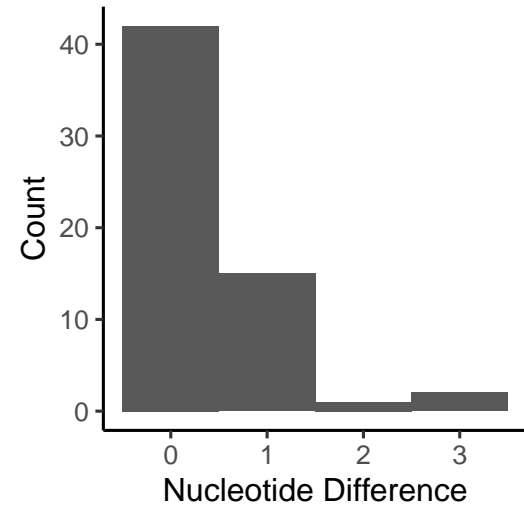
IGKV1-9*01

87 sequences assigned
67 (77%) exact matches, in which:
57 unique CDR3
6 unique J



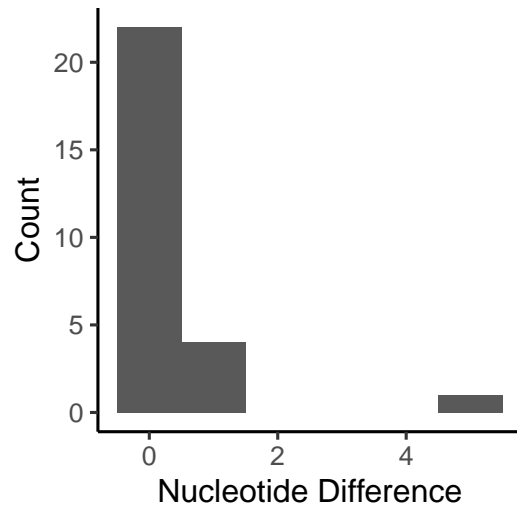
IGKV1-27*01

60 sequences assigned
42 (70%) exact matches, in which:
38 unique CDR3
6 unique J



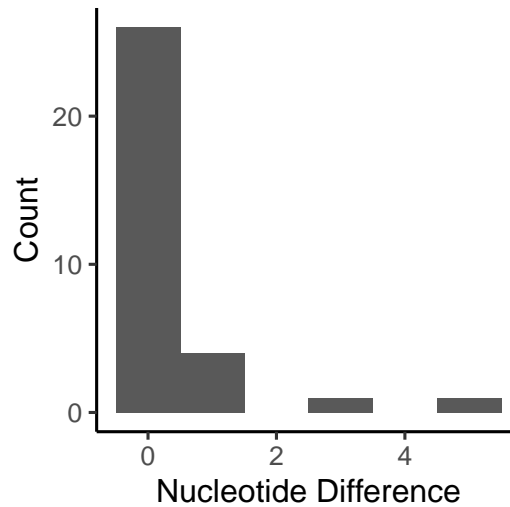
IGKV1-6*01

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



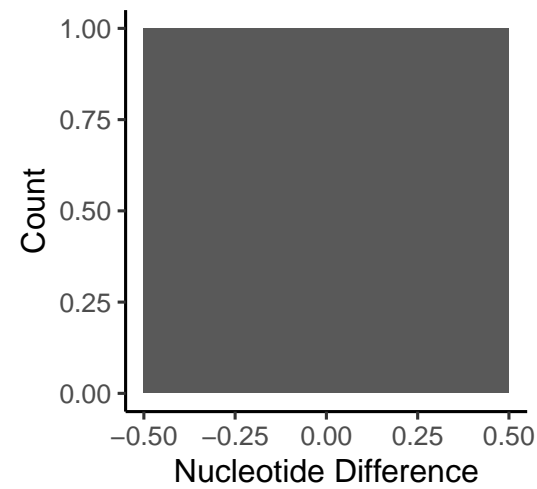
IGKV1-16*02

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



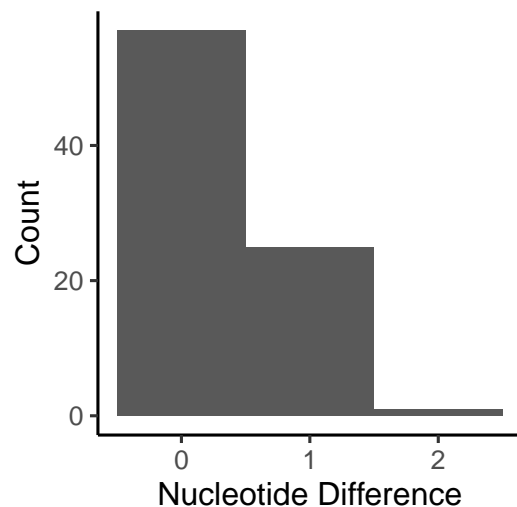
IGKV2/OR22-4*01

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



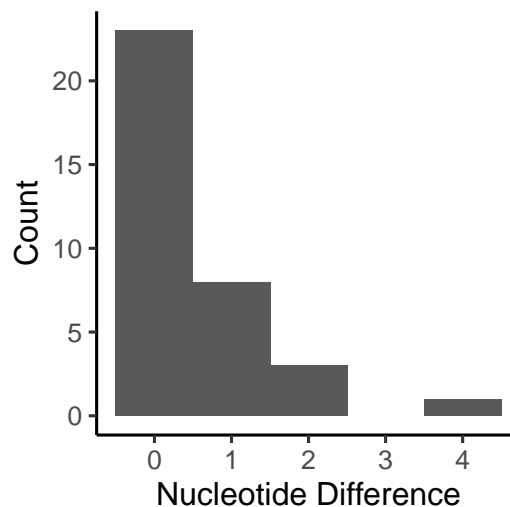
IGKV1-8*01

83 sequences assigned
57 (68.7%) exact matches, in which:
51 unique CDR3
6 unique J



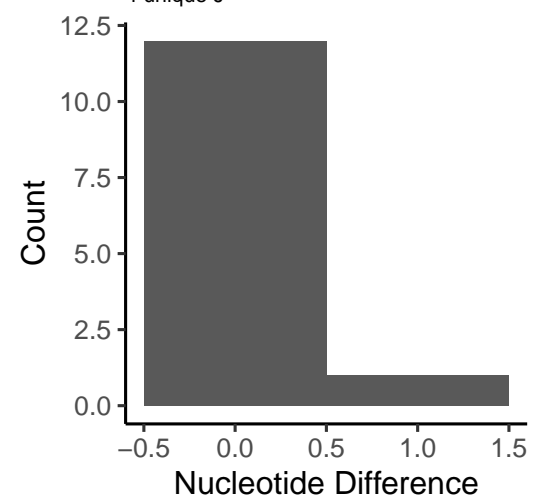
IGKV1-17*01

35 sequences assigned
23 (65.7%) exact matches, in which:
21 unique CDR3
6 unique J



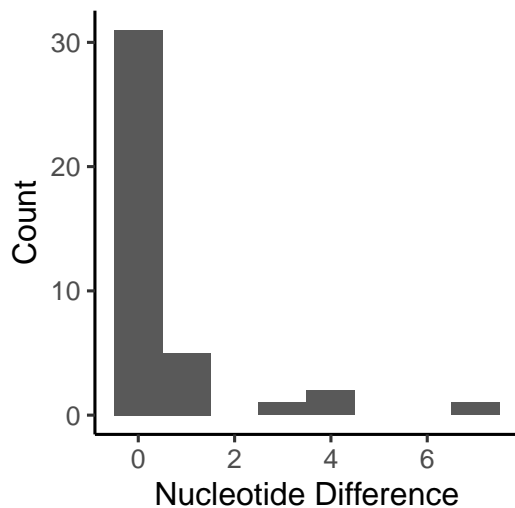
IGKV2-24*01

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



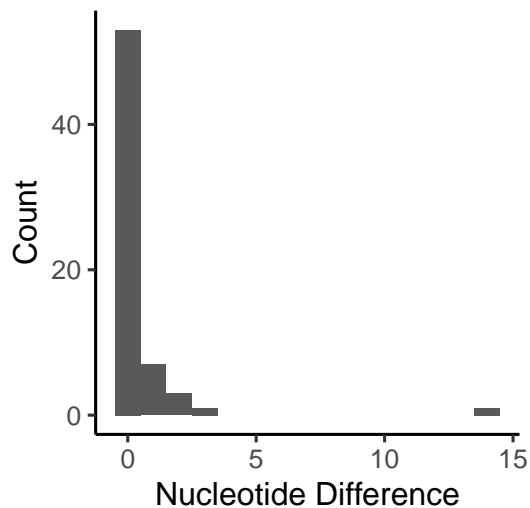
IGKV2–30*01

40 sequences assigned
31 (77.5%) exact matches, in which:
30 unique CDR3
6 unique J



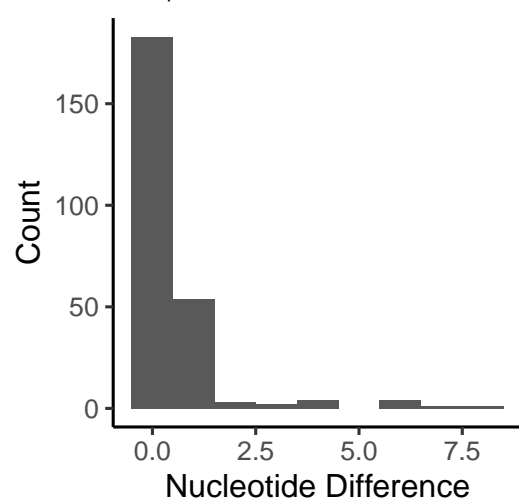
IGKV3–11*01_A223C

65 sequences assigned
53 (81.5%) exact matches, in which:
52 unique CDR3
6 unique J



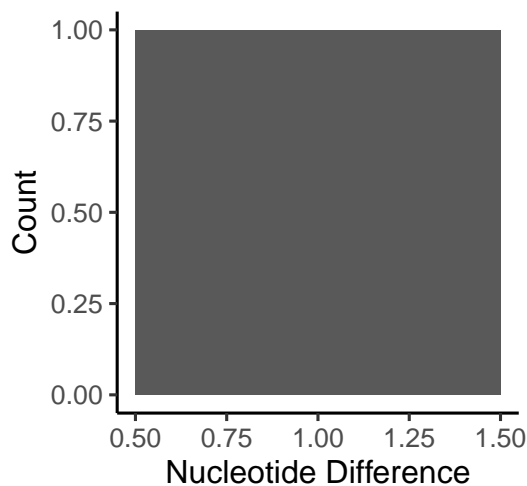
IGKV4–1*01

252 sequences assigned
183 (72.6%) exact matches, in which:
162 unique CDR3
6 unique J



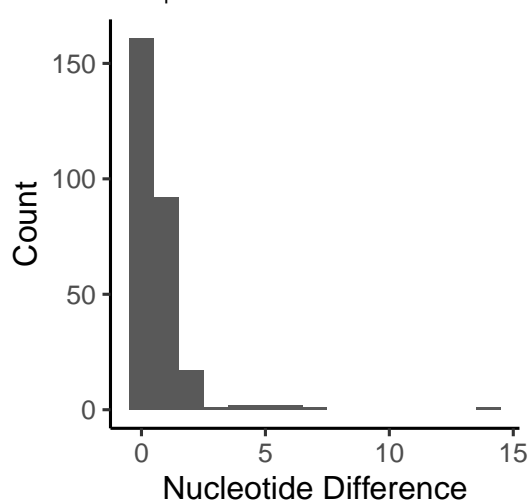
IGKV3/OR2–268*01

1 sequences assigned
No exact matches.



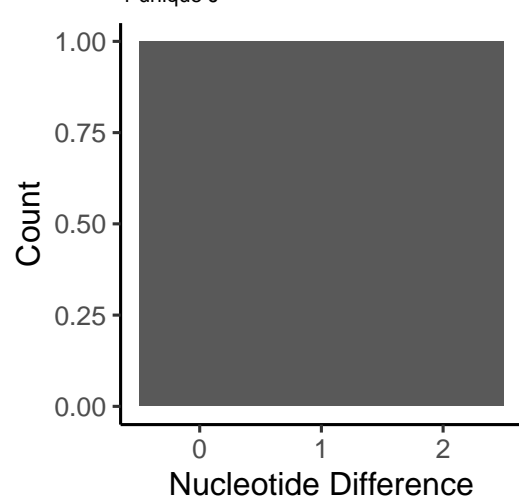
IGKV3–15*01

279 sequences assigned
161 (57.7%) exact matches, in which:
145 unique CDR3
6 unique J



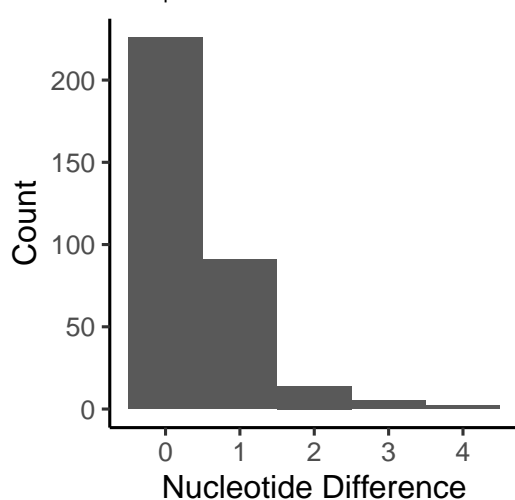
IGKV5–2*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



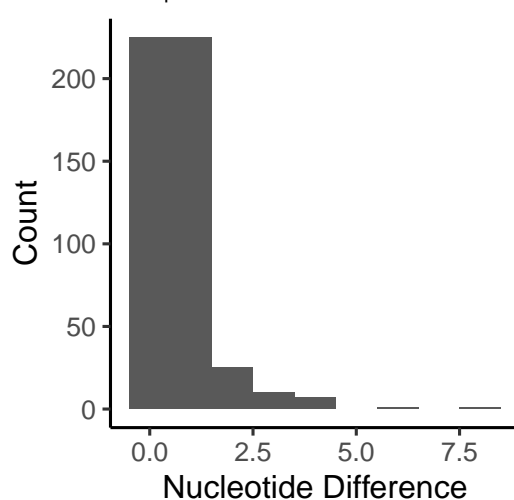
IGKV3–11*01

338 sequences assigned
226 (66.9%) exact matches, in which:
195 unique CDR3
6 unique J



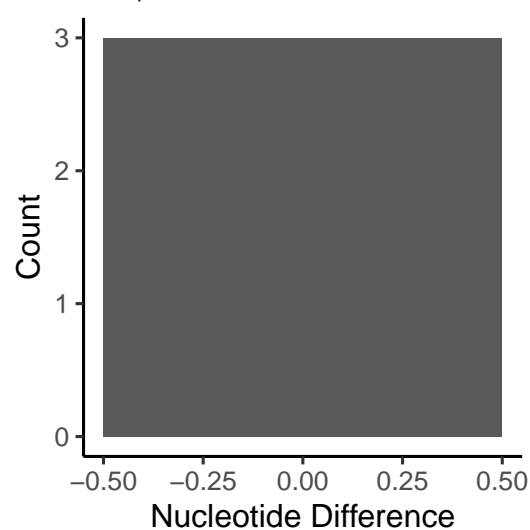
IGKV3–20*01

494 sequences assigned
225 (45.5%) exact matches, in which:
205 unique CDR3
6 unique J



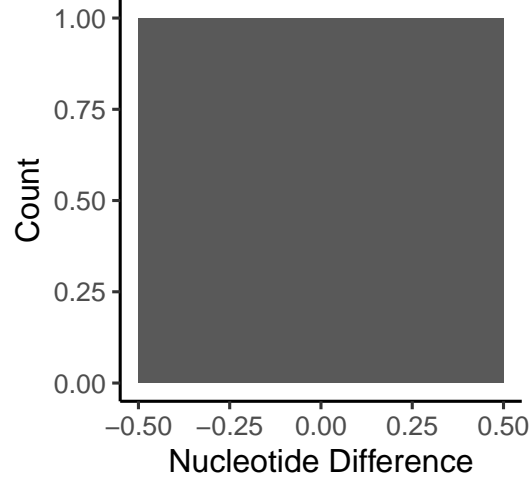
IGKV7–3*01

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



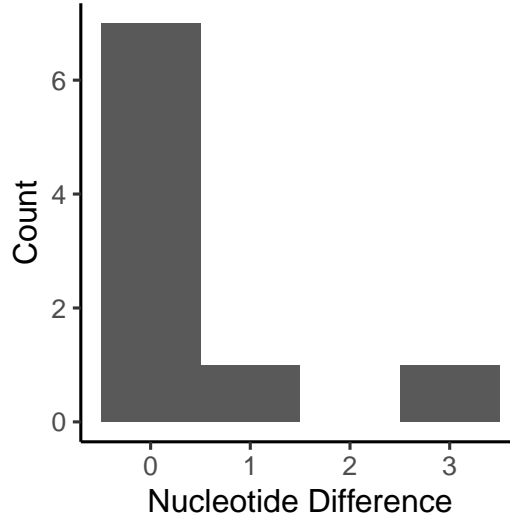
IGKV3D-7*01

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



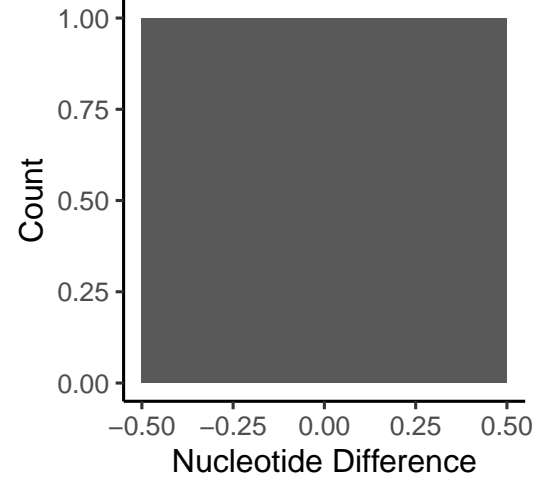
IGKV3D-15*01

9 sequences assigned
7 (77.8%) exact matches, in which:
6 unique CDR3
4 unique J



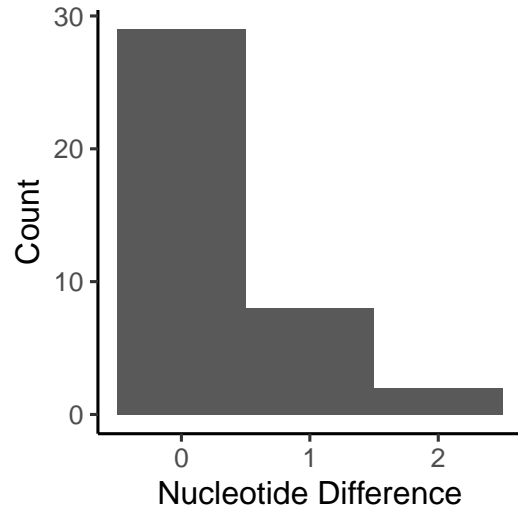
IGKV2D-24*01

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



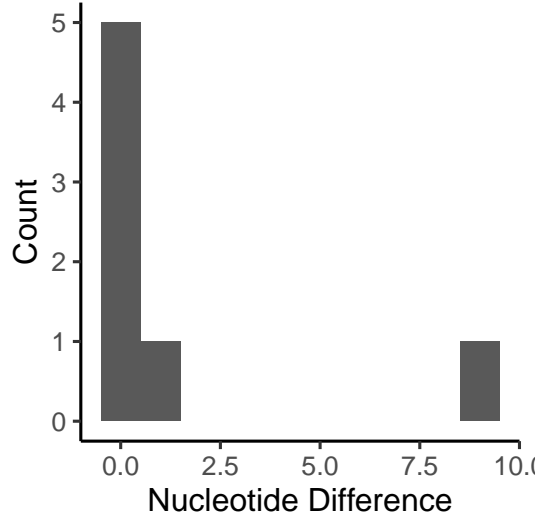
IGKV1D-8*01

39 sequences assigned
29 (74.4%) exact matches, in which:
26 unique CDR3
5 unique J



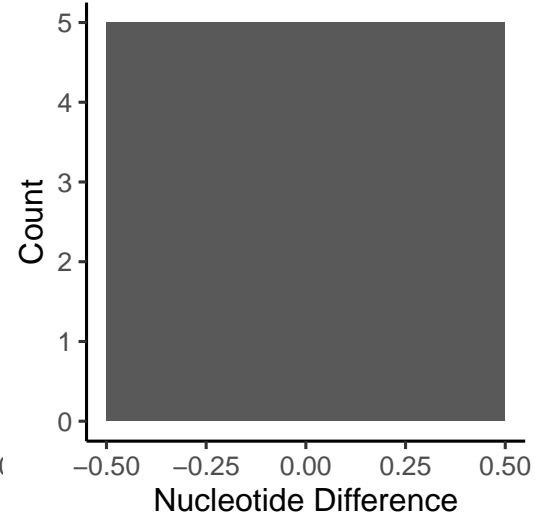
IGKV1D-16*01

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
3 unique J



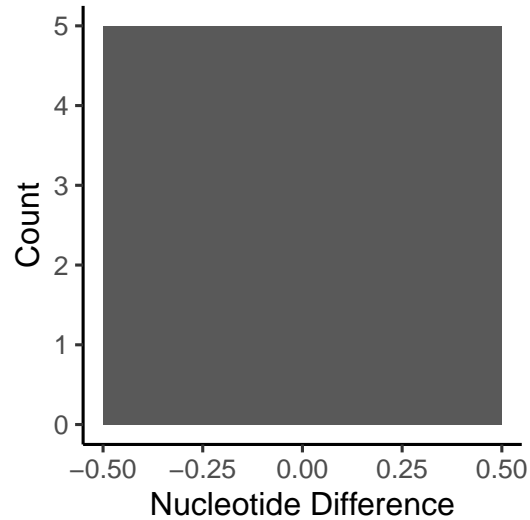
IGKV2D-26*03

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



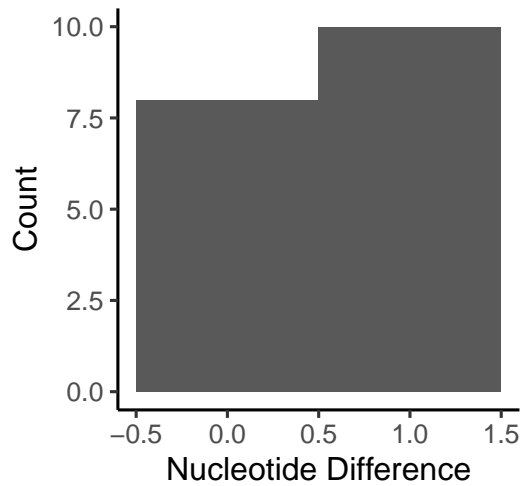
IGKV3D-11*01

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



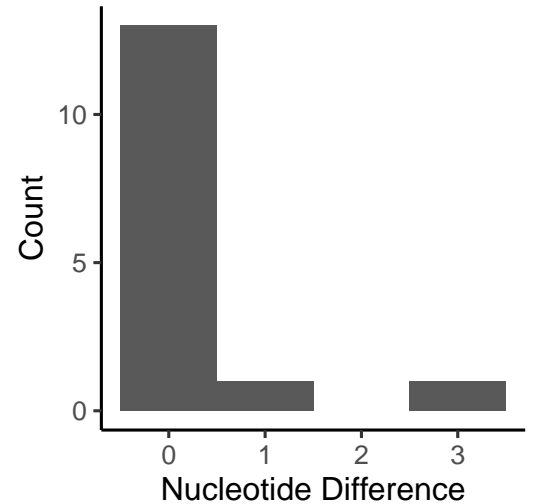
IGKV3D-20*01

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



IGKV2D-29*01

15 sequences assigned
13 (86.7%) exact matches, in which:
13 unique CDR3
5 unique J



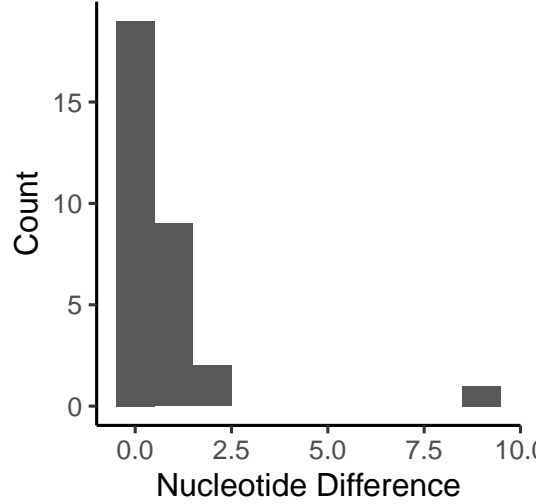
IGKV2D–30*01

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



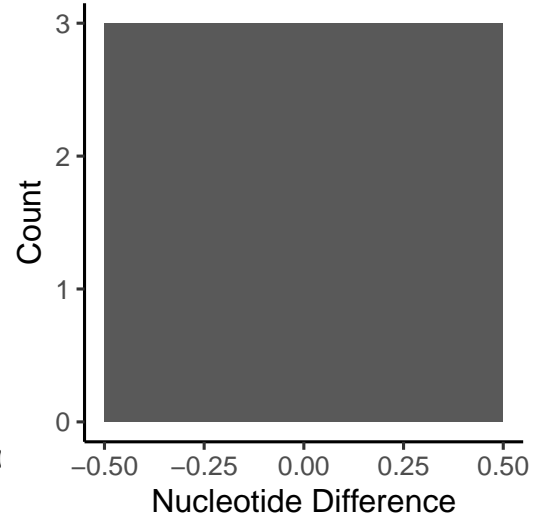
IGKV1E–12*01

31 sequences assigned
19 (61.3%) exact matches, in which:
14 unique CDR3
5 unique J



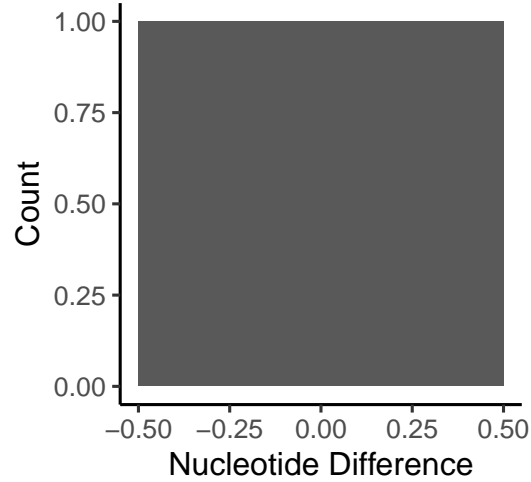
IGKV1E–13*03

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



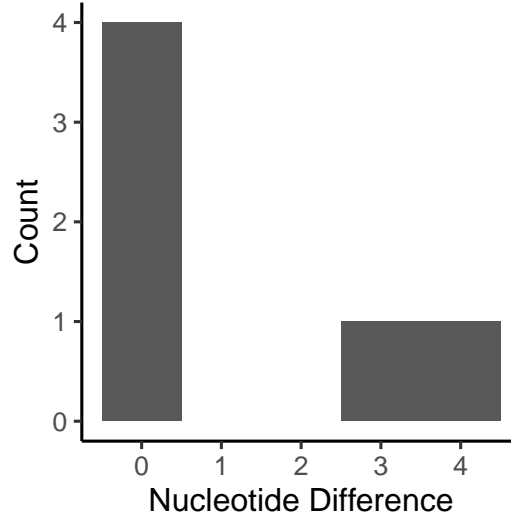
IGKV6D–41*01

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



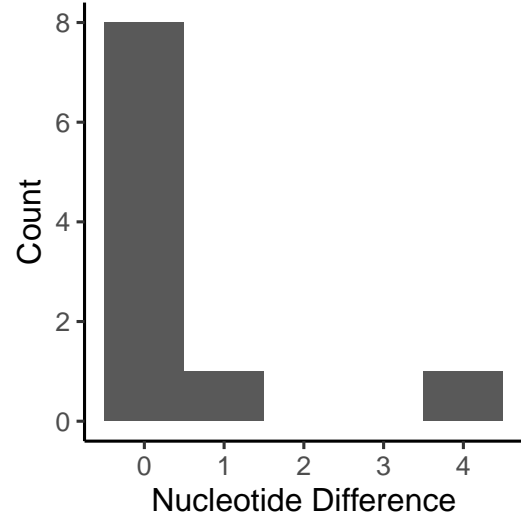
IGKV1E–12*02

6 sequences assigned
4 (66.7%) exact matches, in which:
3 unique CDR3
3 unique J



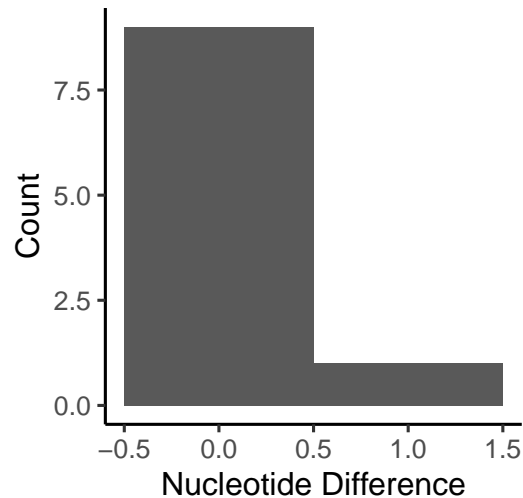
IGKV6E–21*01

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
5 unique J



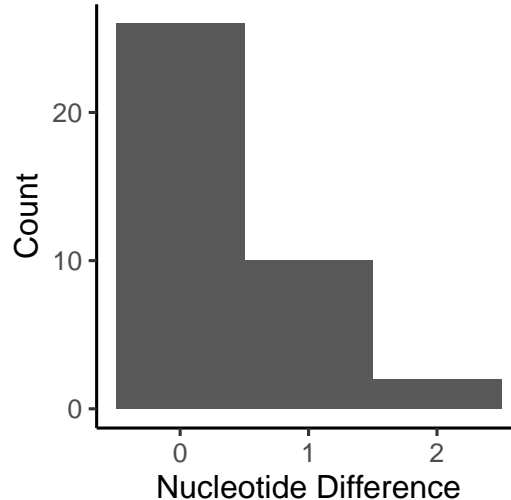
IGKV1D–43*01

10 sequences assigned
9 (90%) exact matches, in which:
8 unique CDR3
4 unique J



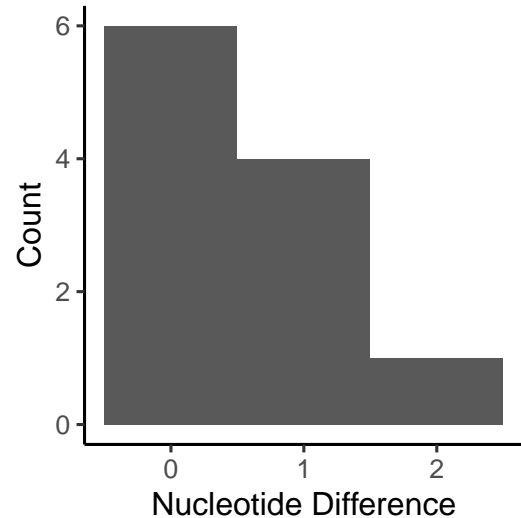
IGKV1E–12*03

38 sequences assigned
26 (68.4%) exact matches, in which:
23 unique CDR3
6 unique J



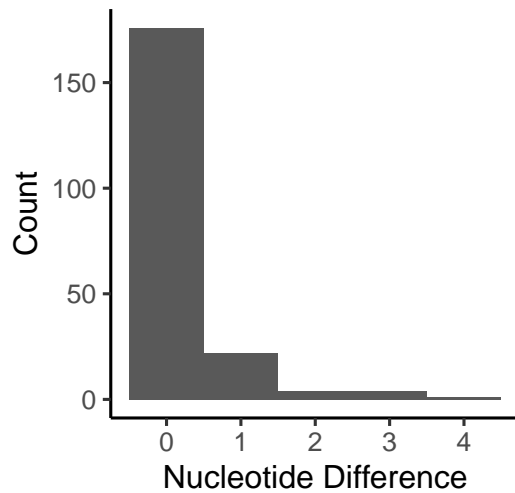
IGKV6E–21*03

11 sequences assigned
6 (54.5%) exact matches, in which:
6 unique CDR3
4 unique J



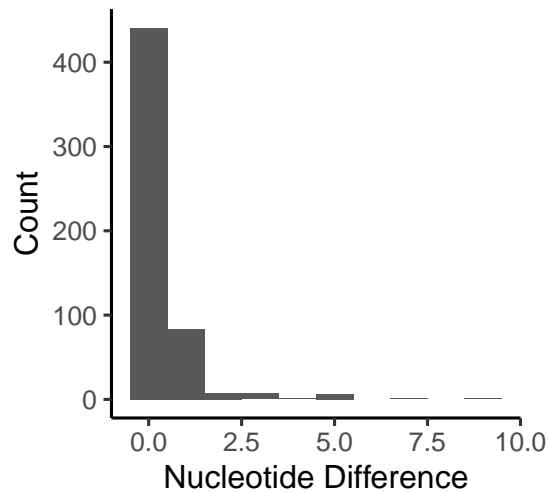
IGKV2E-28*01

207 sequences assigned
176 (85%) exact matches, in which:
151 unique CDR3
6 unique J



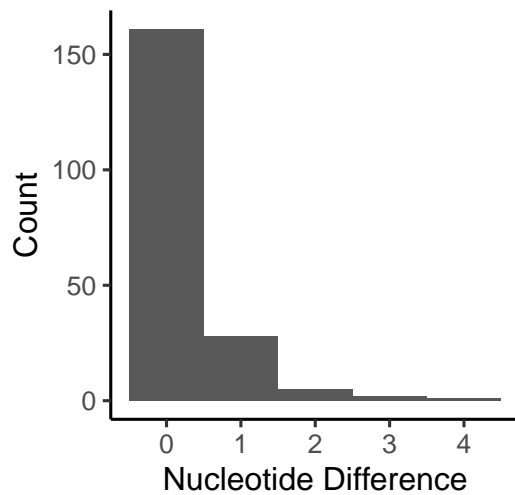
IGKV1E-39*01

549 sequences assigned
441 (80.3%) exact matches, in which:
362 unique CDR3
6 unique J



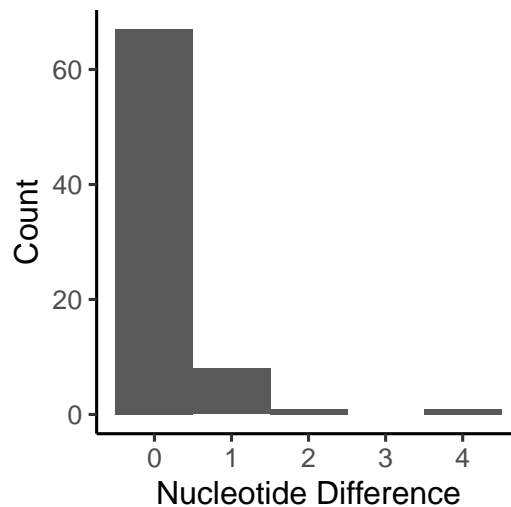
IGKV1E-33*01

197 sequences assigned
161 (81.7%) exact matches, in which:
136 unique CDR3
6 unique J



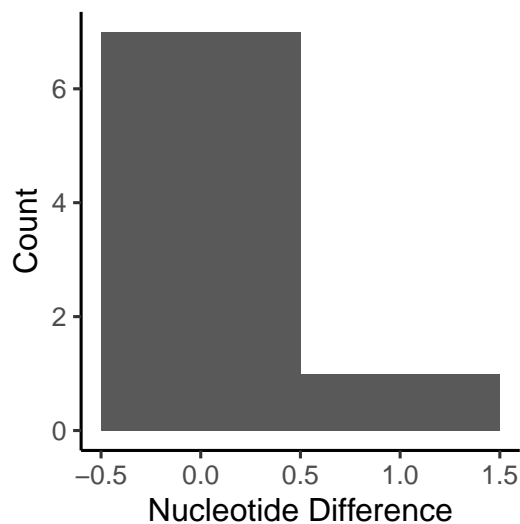
IGKV1E-39*01_A229C

77 sequences assigned
67 (87%) exact matches, in which:
65 unique CDR3
6 unique J



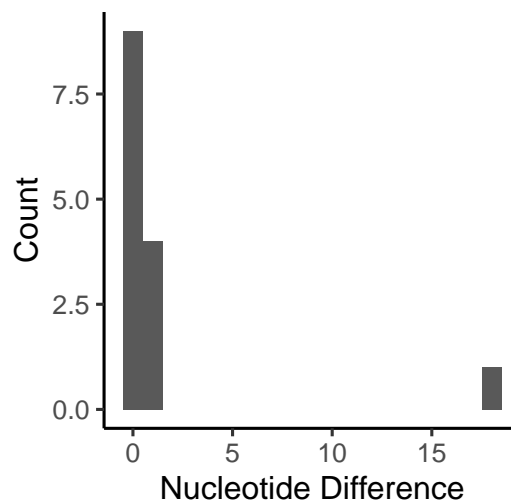
IGKV1E-37*01

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

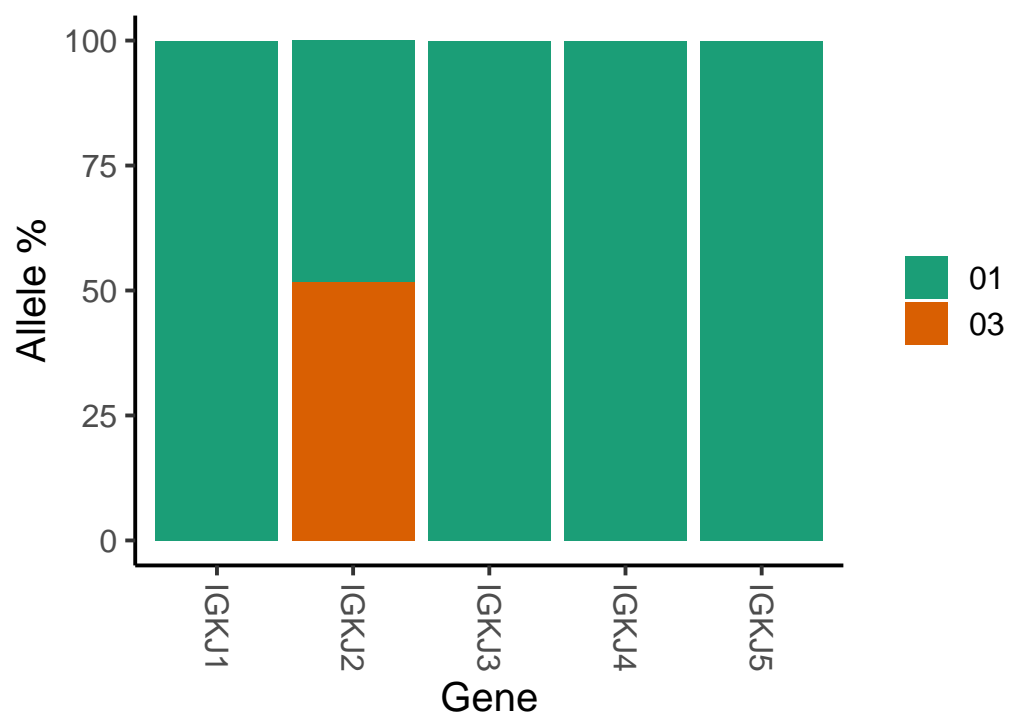


IGKV2E-40*01

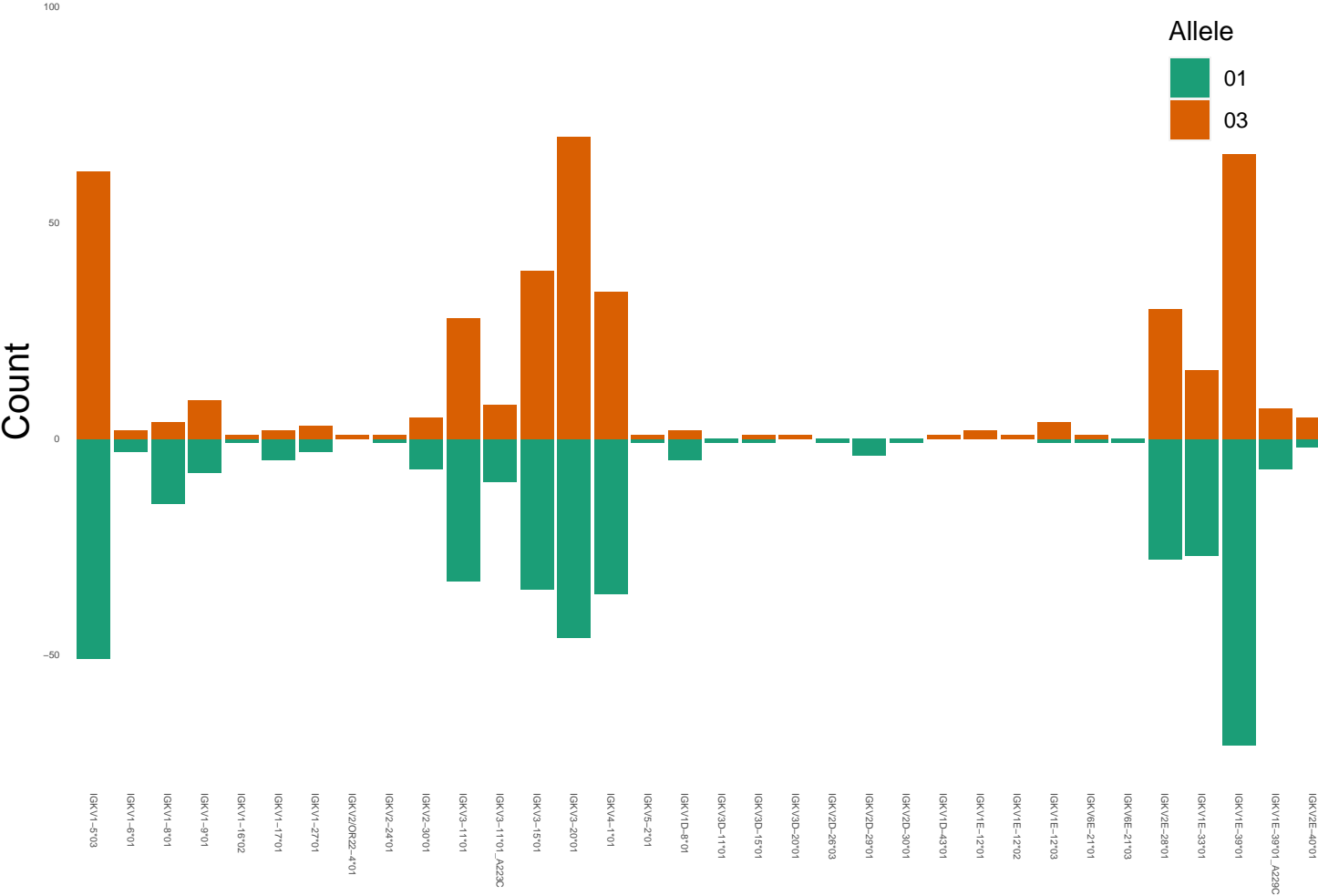
14 sequences assigned
9 (64.3%) exact matches, in which:
8 unique CDR3
4 unique J



Allele Usage



Sequence Count by IGKJ2 allele usage



Warning – no inferred sequences found.