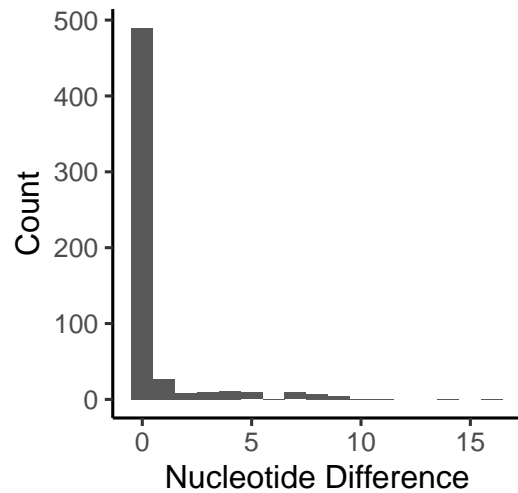


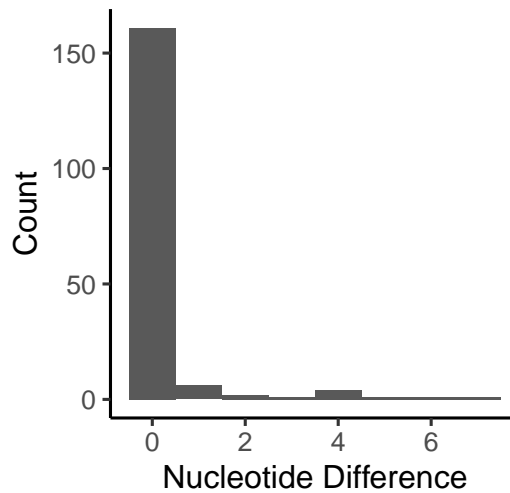
IGKV1-5*03

581 sequences assigned
490 (84.3%) exact matches, in which:
434 unique CDR3
6 unique J



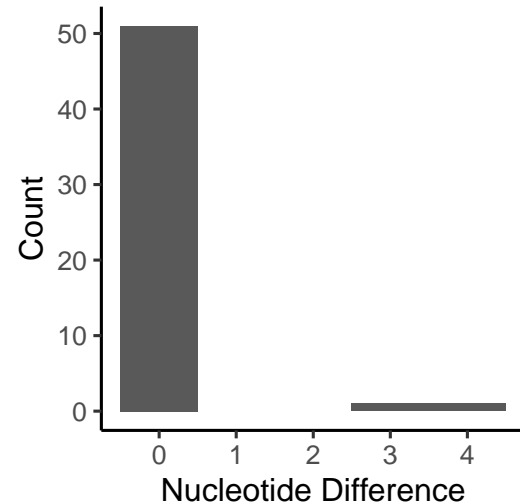
IGKV1-8*01

177 sequences assigned
161 (91%) exact matches, in which:
125 unique CDR3
6 unique J



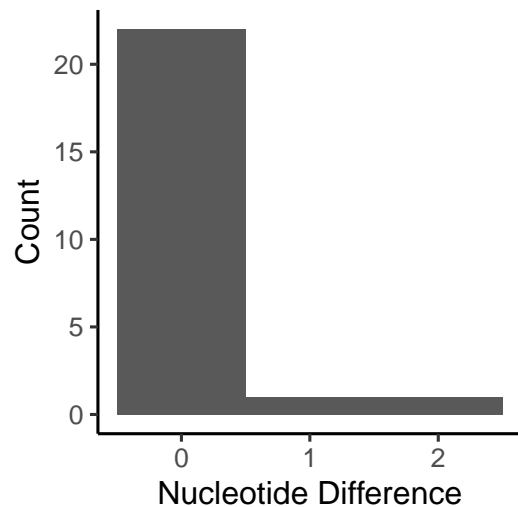
IGKV1-16*02

53 sequences assigned
51 (96.2%) exact matches, in which:
47 unique CDR3
6 unique J



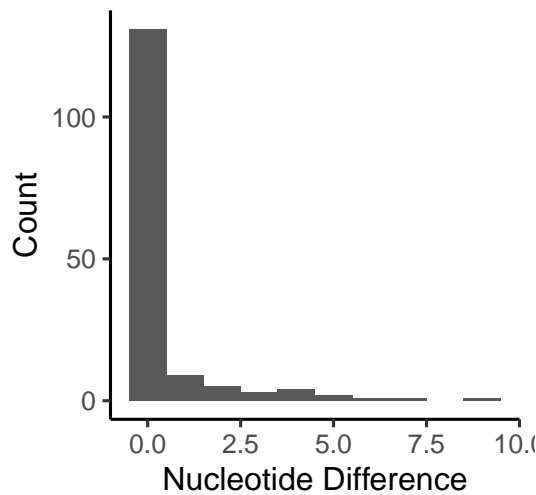
IGKV1-6*01

24 sequences assigned
22 (91.7%) exact matches, in which:
17 unique CDR3
4 unique J



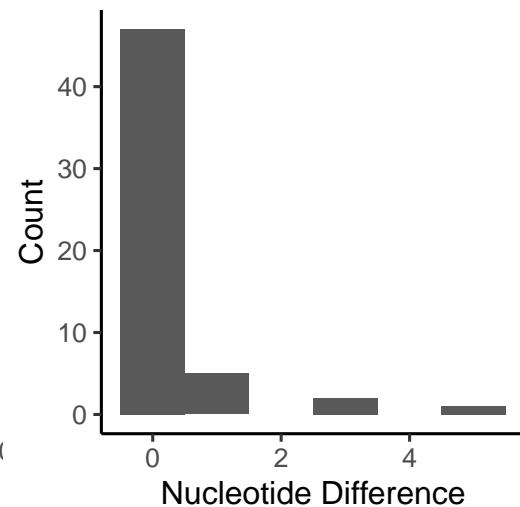
IGKV1-9*01

157 sequences assigned
131 (83.4%) exact matches, in which:
123 unique CDR3
6 unique J



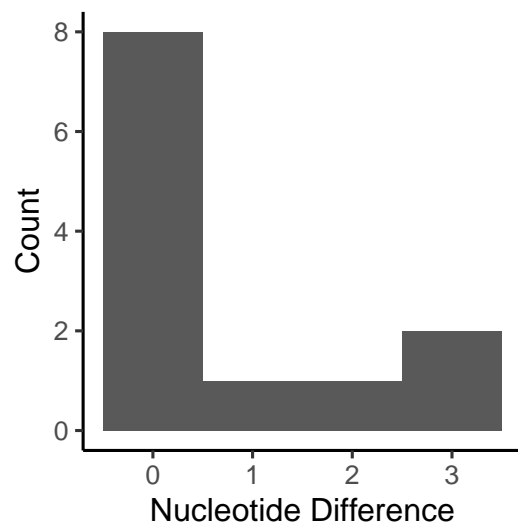
IGKV1-17*01

55 sequences assigned
47 (85.5%) exact matches, in which:
45 unique CDR3
6 unique J



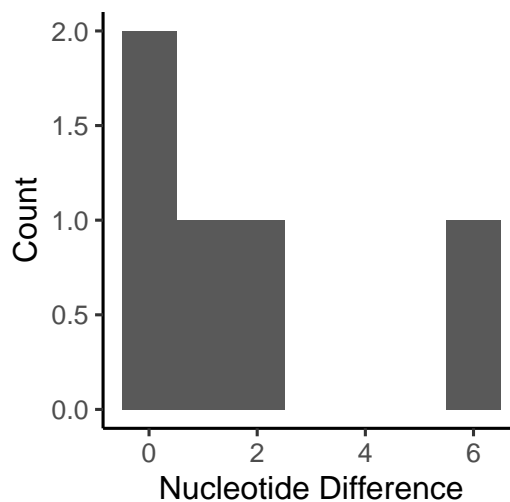
IGKV1-6*01_A318G

12 sequences assigned
8 (66.7%) exact matches, in which:
8 unique CDR3
4 unique J



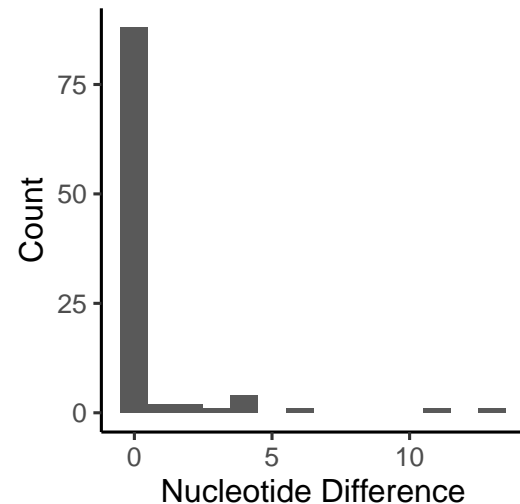
IGKV1-16*01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
1 unique J



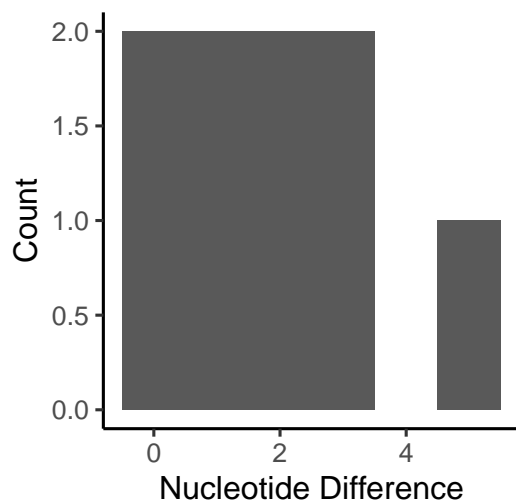
IGKV1-27*01

101 sequences assigned
88 (87.1%) exact matches, in which:
76 unique CDR3
6 unique J



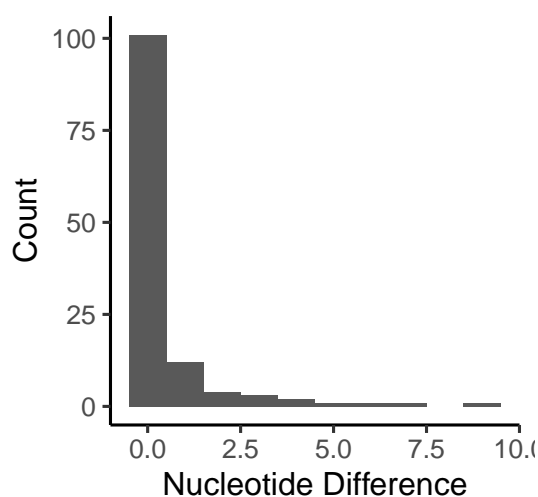
IGKV2/OR22-4*01

9 sequences assigned
2 (22.2%) exact matches, in which:
1 unique CDR3
1 unique J



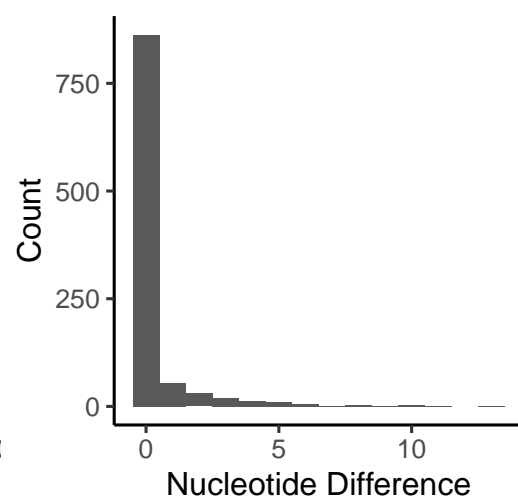
IGKV2-30*01

126 sequences assigned
101 (80.2%) exact matches, in which:
95 unique CDR3
6 unique J



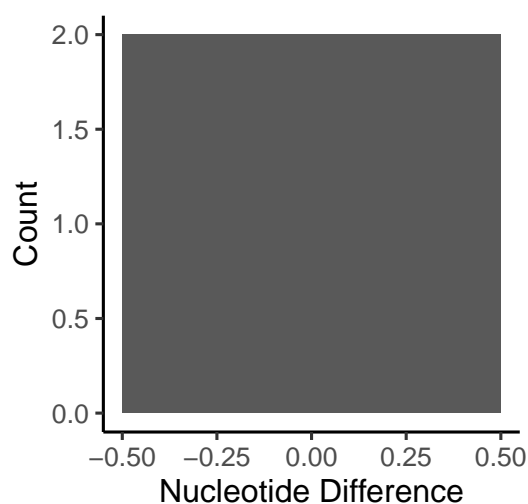
IGKV3-11*01

1006 sequences assigned
863 (85.8%) exact matches, in which:
682 unique CDR3
6 unique J



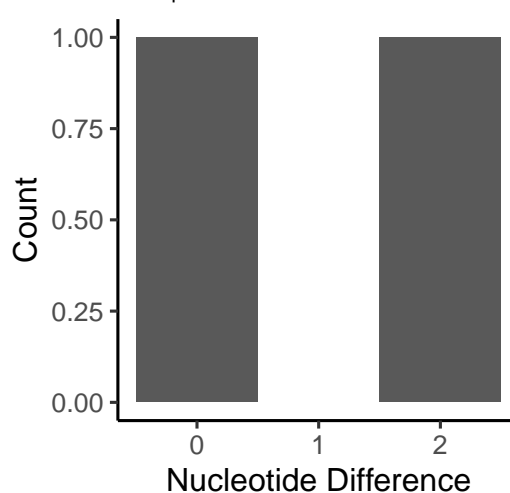
IGKV2-18*01

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



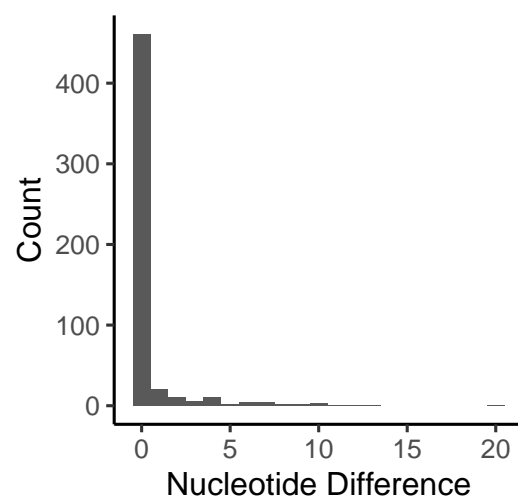
IGKV3/OR2-268*01

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



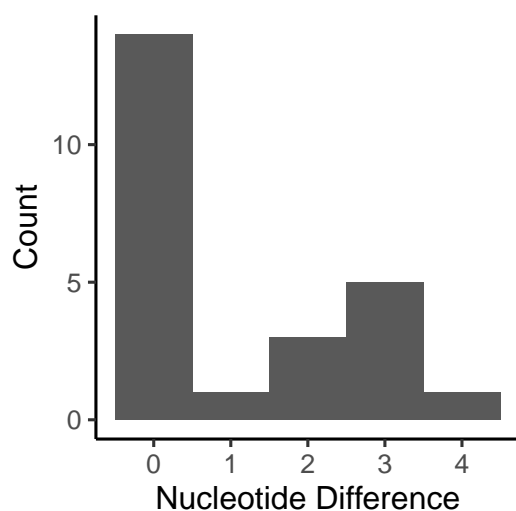
IGKV3-15*01

528 sequences assigned
461 (87.3%) exact matches, in which:
380 unique CDR3
6 unique J



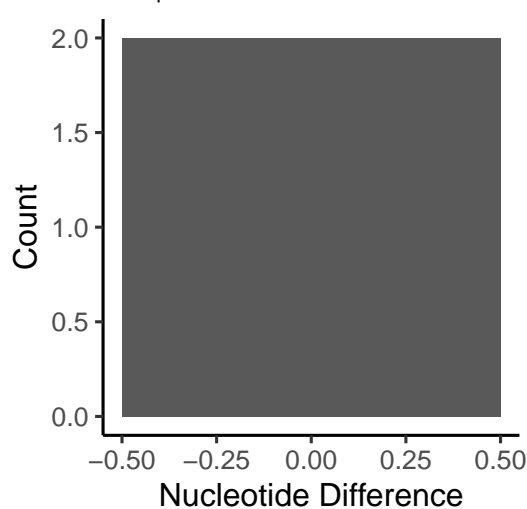
IGKV2-24*01

24 sequences assigned
14 (58.3%) exact matches, in which:
13 unique CDR3
4 unique J



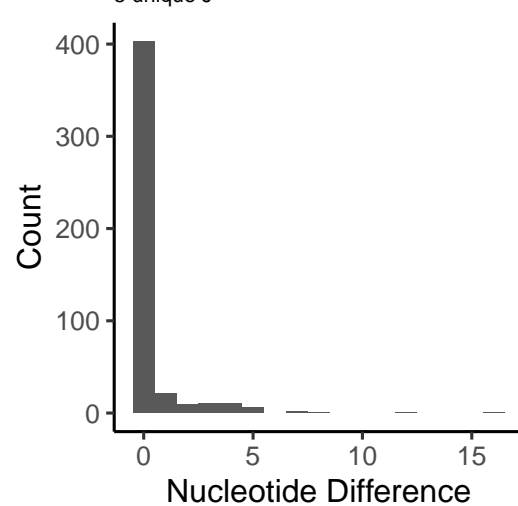
IGKV3-7*04

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



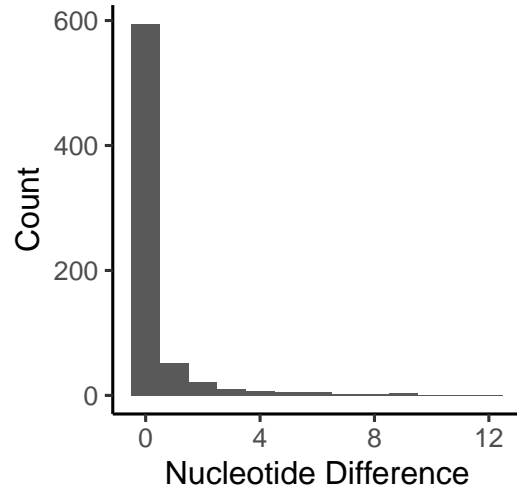
IGKV3-15*01_C141G

464 sequences assigned
403 (86.9%) exact matches, in which:
349 unique CDR3
5 unique J



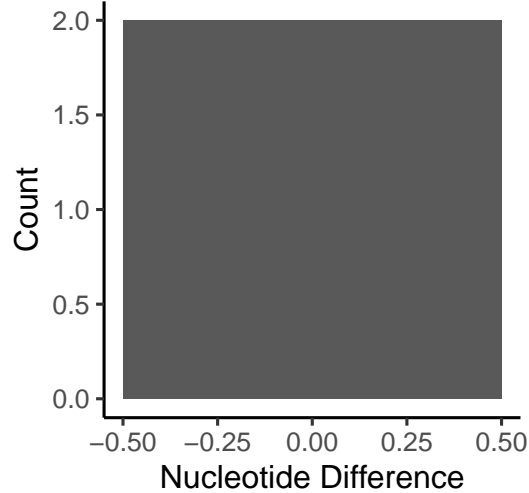
IGKV3–20*01

707 sequences assigned
595 (84.2%) exact matches, in which:
515 unique CDR3
6 unique J



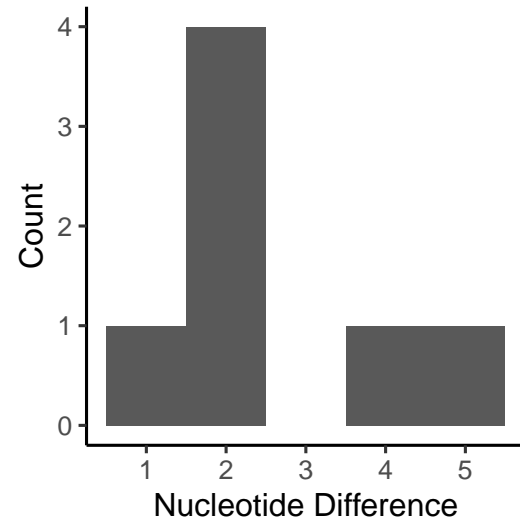
IGKV7–3*01

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



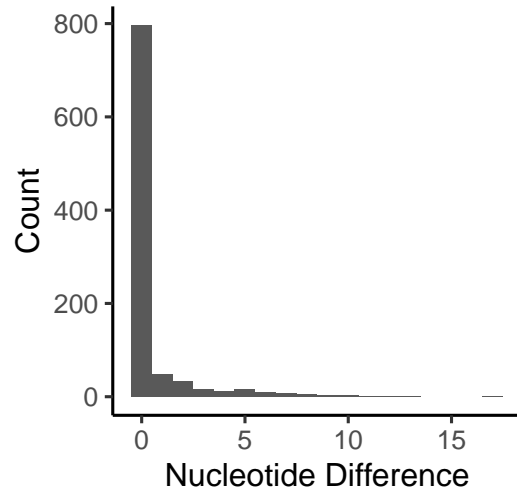
IGKV1D–8*03

7 sequences assigned
No exact matches.



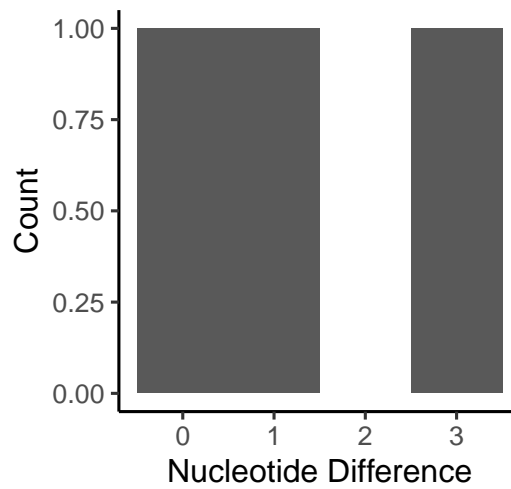
IGKV4–1*01

964 sequences assigned
797 (82.7%) exact matches, in which:
495 unique CDR3
6 unique J



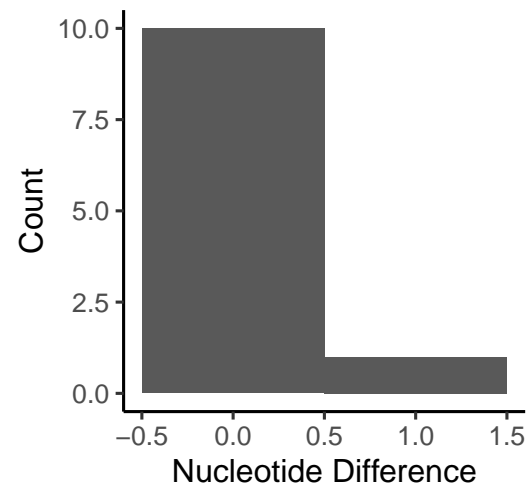
IGKV3D–7*01

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



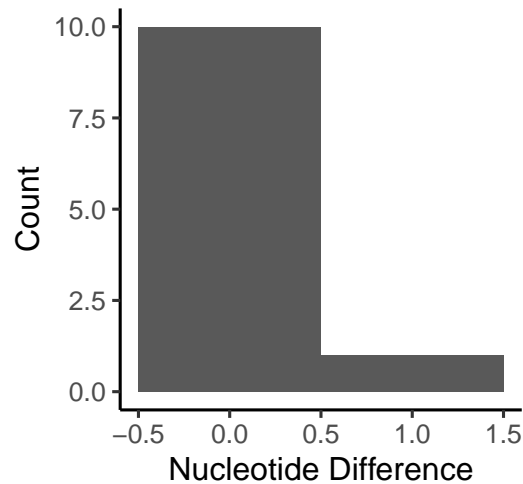
IGKV3D–11*01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
4 unique J



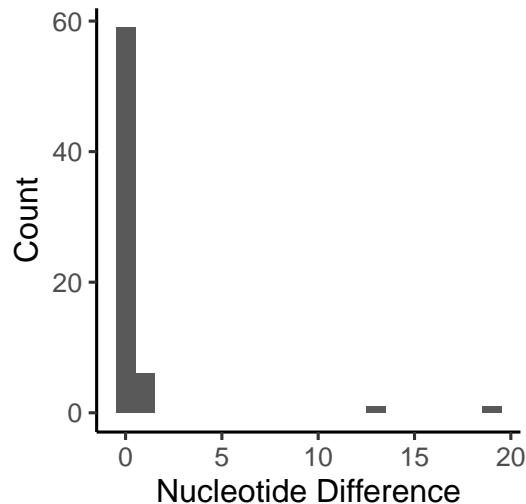
IGKV5–2*01

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
3 unique J



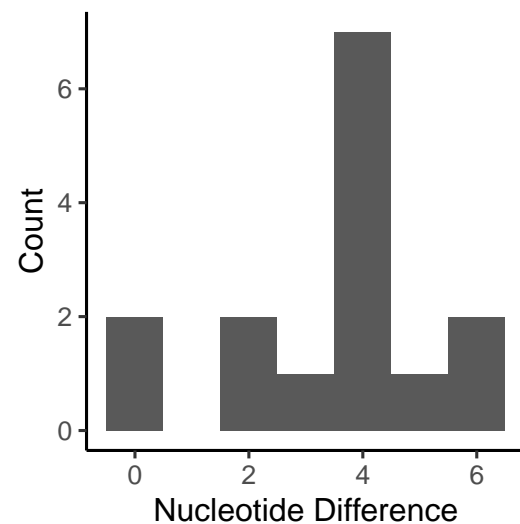
IGKV1D–8*01

67 sequences assigned
59 (88.1%) exact matches, in which:
47 unique CDR3
5 unique J



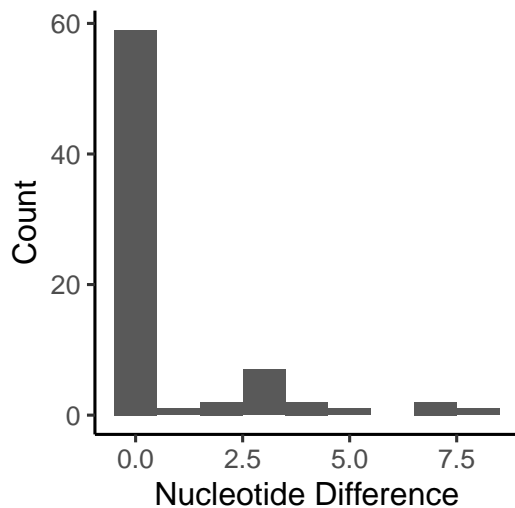
IGKV3D–11*02_C247T

15 sequences assigned
2 (13.3%) exact matches, in which:
2 unique CDR3
1 unique J



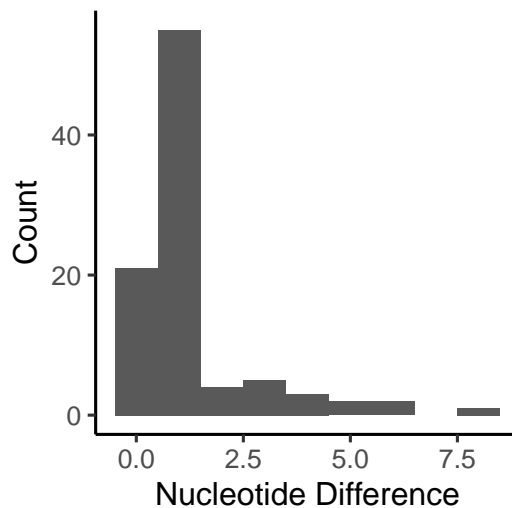
IGKV3D-15*01

75 sequences assigned
59 (78.7%) exact matches, in which:
57 unique CDR3
6 unique J



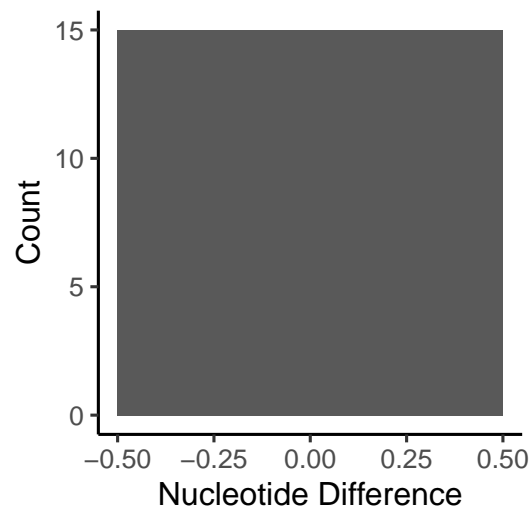
IGKV3D-20*01

93 sequences assigned
21 (22.6%) exact matches, in which:
21 unique CDR3
5 unique J



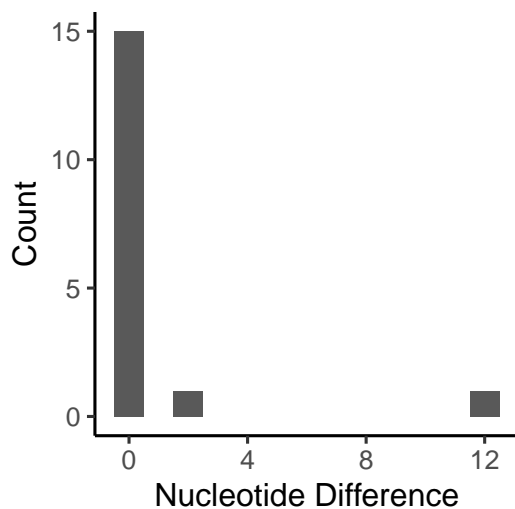
IGKV2D-30*01

15 sequences assigned
15 (100%) exact matches, in which:
15 unique CDR3
5 unique J



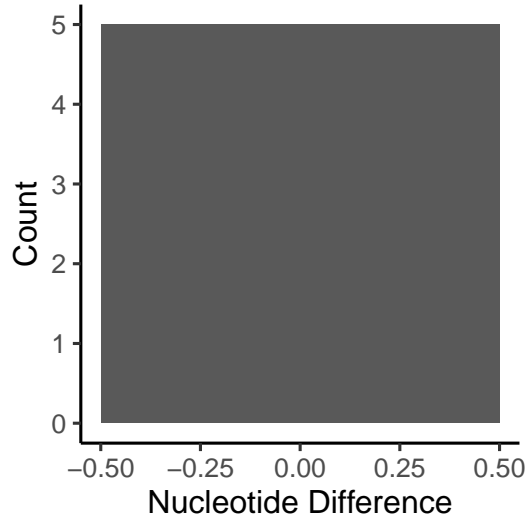
IGKV1D-16*01

17 sequences assigned
15 (88.2%) exact matches, in which:
15 unique CDR3
5 unique J



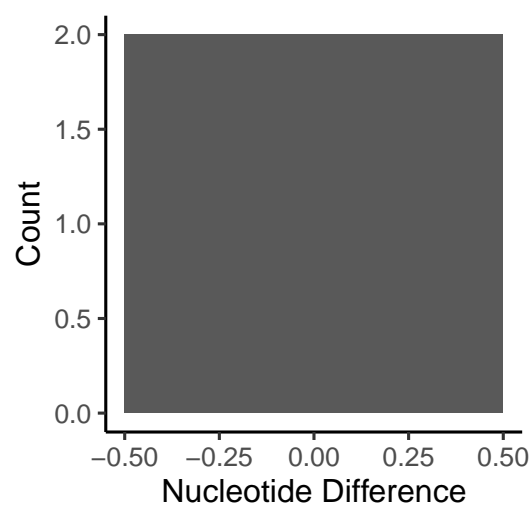
IGKV2D-26*03

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



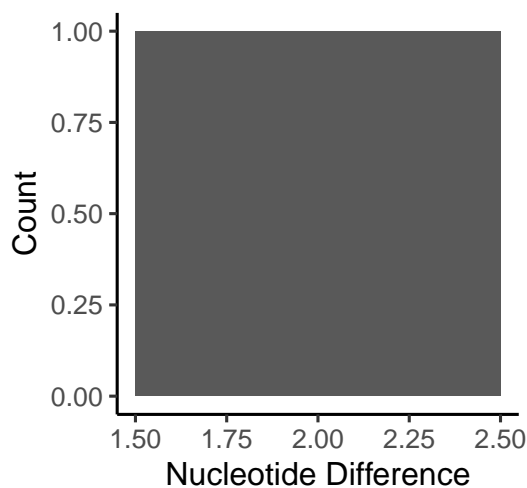
IGKV6D-41*01

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



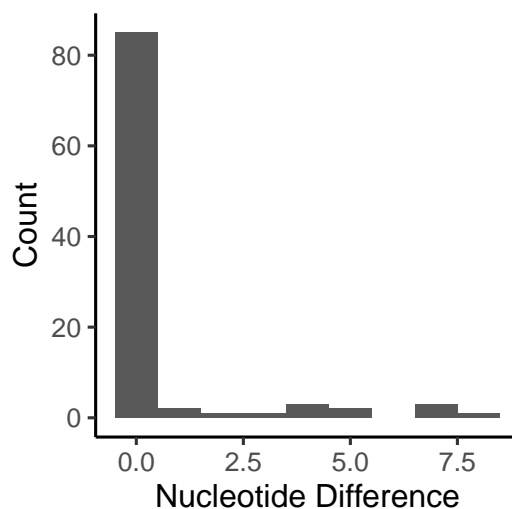
IGKV1D-17*01

1 sequences assigned
No exact matches.



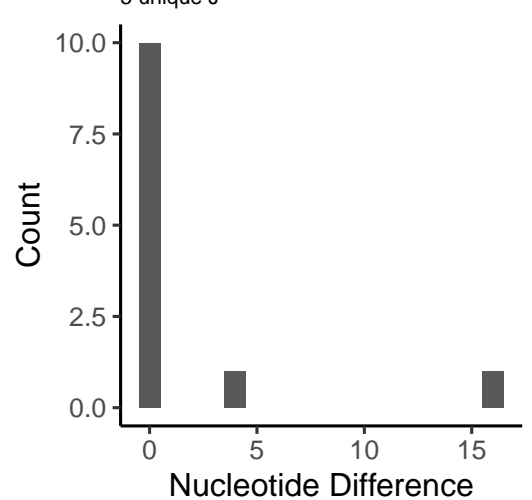
IGKV2D-29*01

99 sequences assigned
85 (85.9%) exact matches, in which:
80 unique CDR3
6 unique J



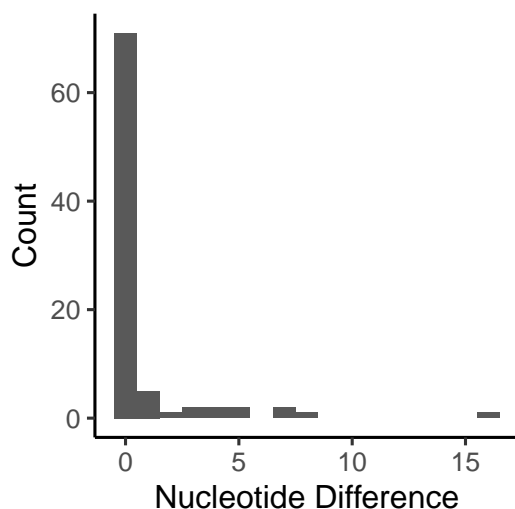
IGKV1D-43*01

12 sequences assigned
10 (83.3%) exact matches, in which:
10 unique CDR3
5 unique J



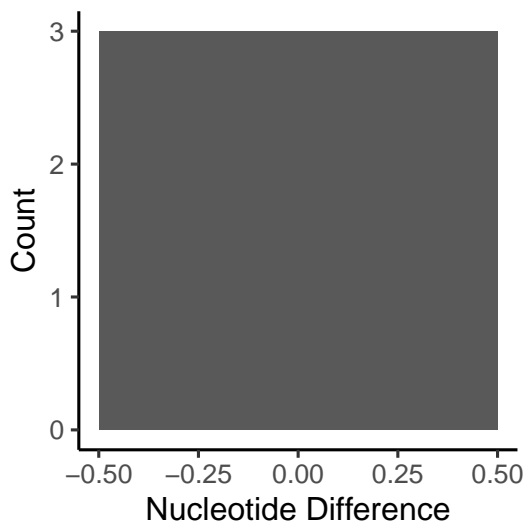
IGKV1E-12*01

87 sequences assigned
71 (81.6%) exact matches, in which:
56 unique CDR3
6 unique J



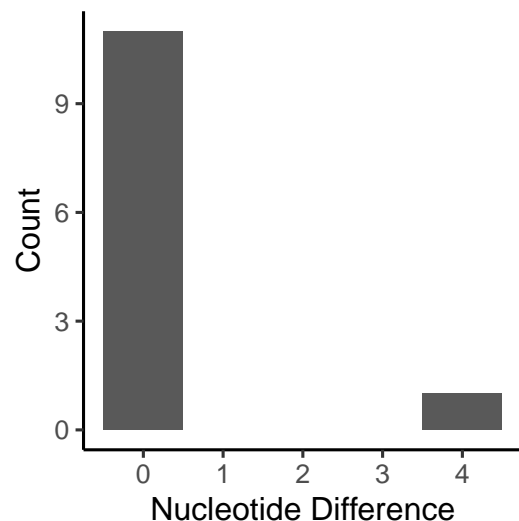
IGKV1E-13*02

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



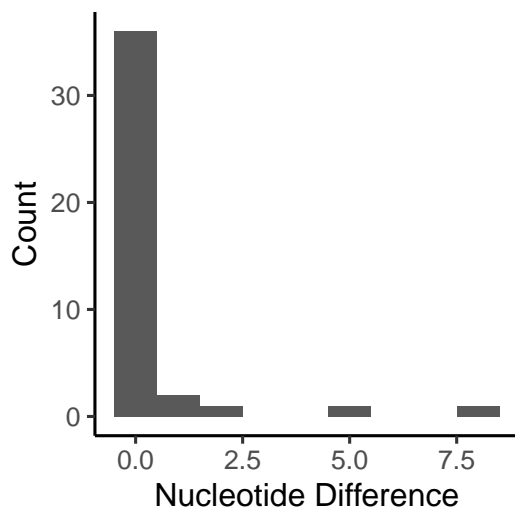
IGKV6E-21*03

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



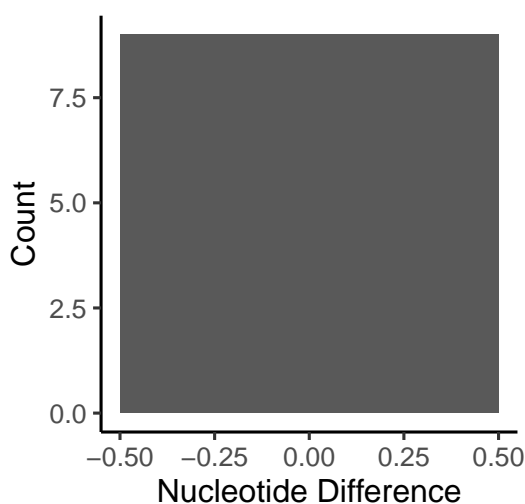
IGKV1E-12*03

41 sequences assigned
36 (87.8%) exact matches, in which:
31 unique CDR3
6 unique J



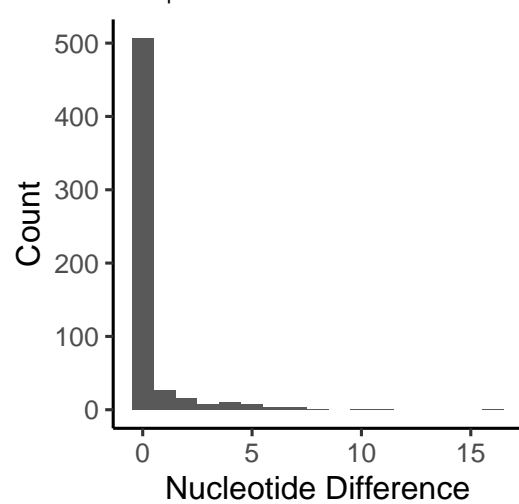
IGKV1E-13*03

9 sequences assigned
9 (100%) exact matches, in which:
9 unique CDR3
6 unique J



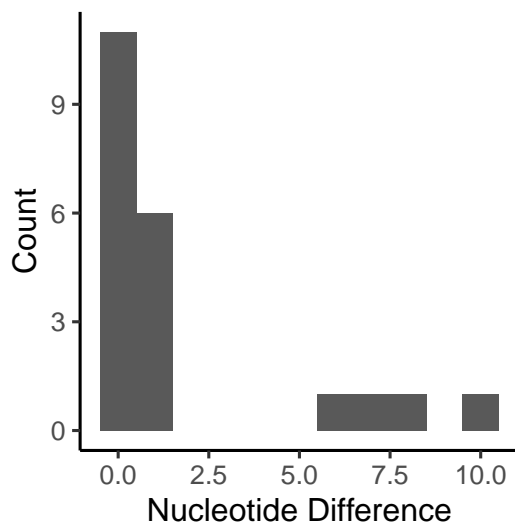
IGKV2E-28*01

586 sequences assigned
507 (86.5%) exact matches, in which:
415 unique CDR3
6 unique J



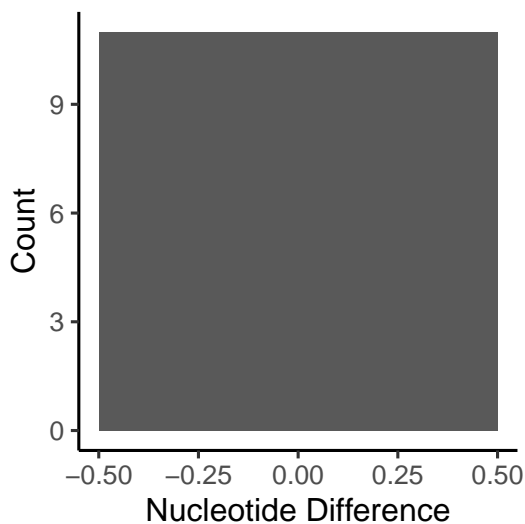
IGKV1E-12*01_T309C

21 sequences assigned
11 (52.4%) exact matches, in which:
11 unique CDR3
4 unique J



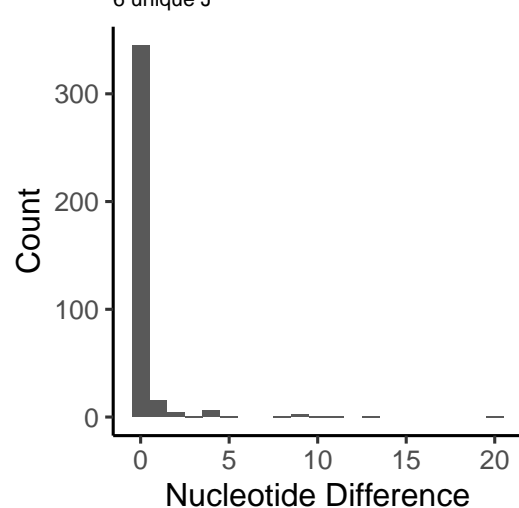
IGKV6E-21*01

11 sequences assigned
11 (100%) exact matches, in which:
11 unique CDR3
5 unique J



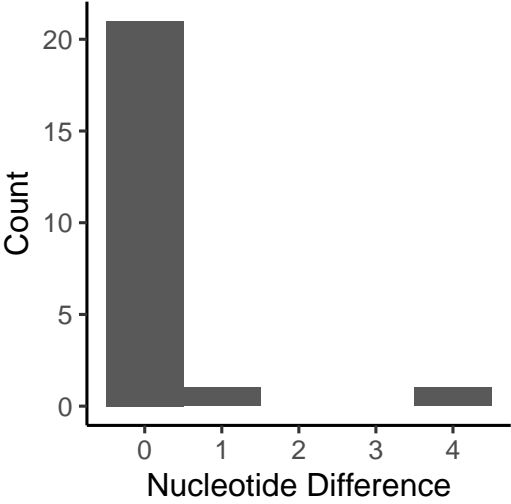
IGKV1E-33*01

384 sequences assigned
345 (89.8%) exact matches, in which:
286 unique CDR3
6 unique J



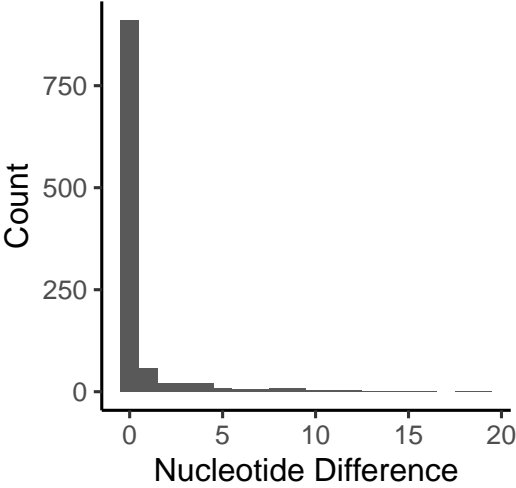
IGKV1E-37*01

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



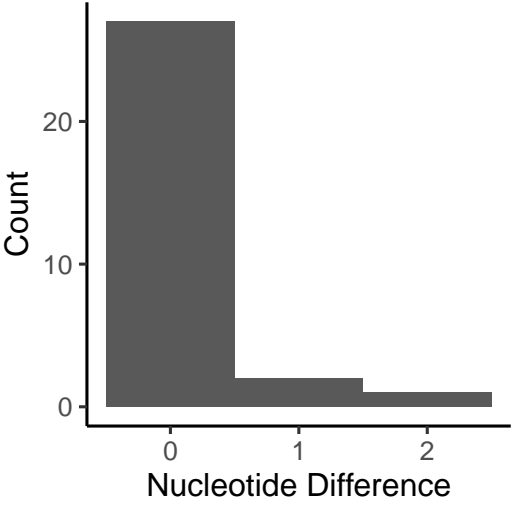
IGKV1E-39*01

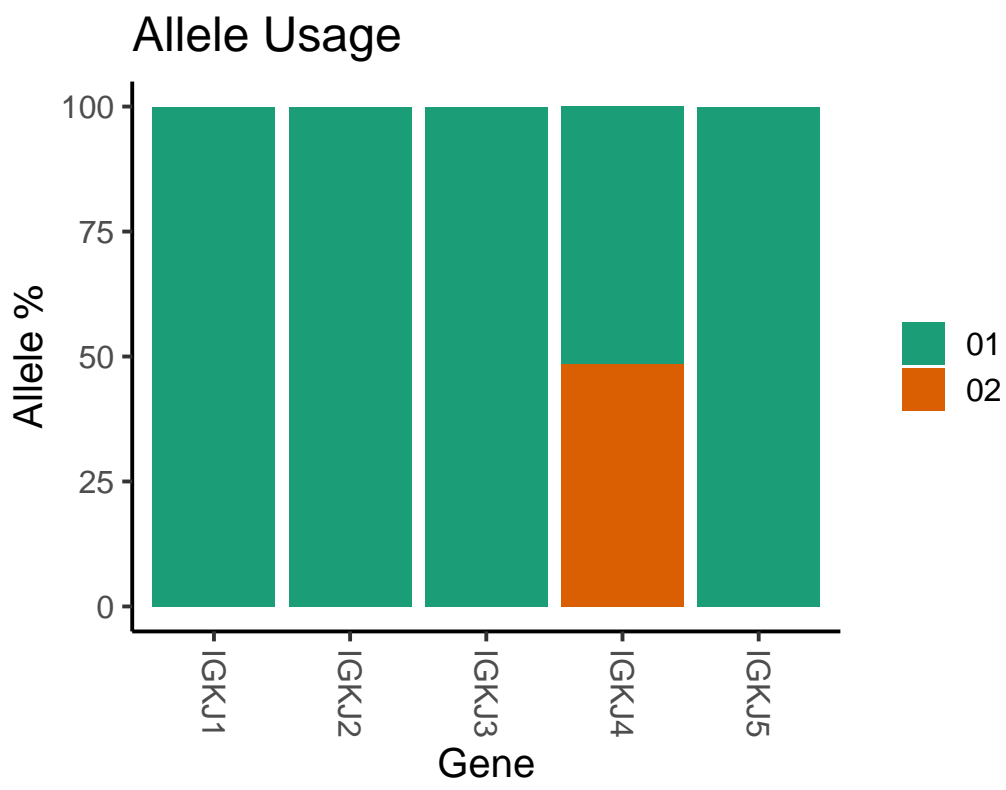
1089 sequences assigned
911 (83.7%) exact matches, in which:
644 unique CDR3
6 unique J



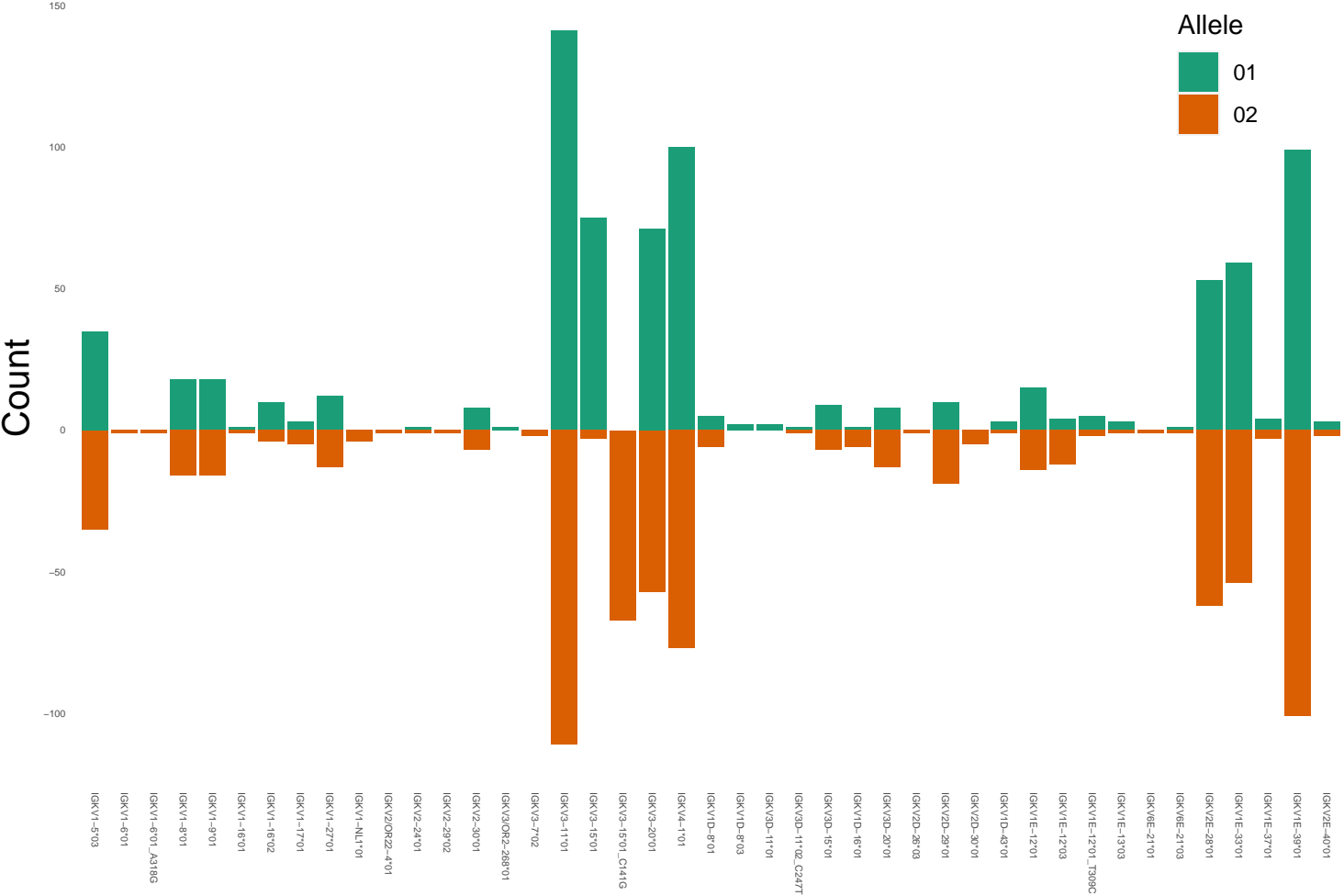
IGKV2E-40*01

30 sequences assigned
27 (90%) exact matches, in which:
26 unique CDR3
6 unique J





Sequence Count by IGKJ4 allele usage



Warning – no inferred sequences found.