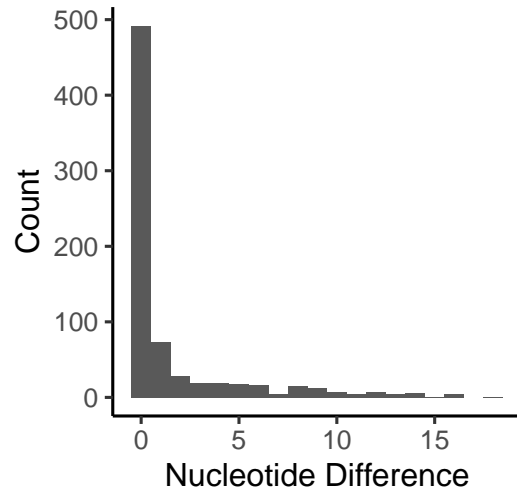


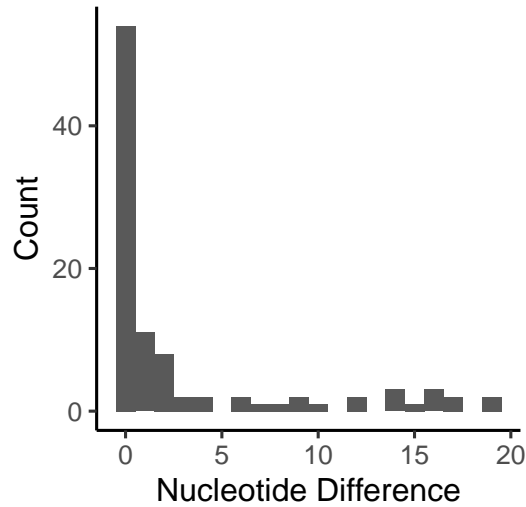
IGKV1-5*03

732 sequences assigned
492 (67.2%) exact matches, in which:
382 unique CDR3
6 unique J



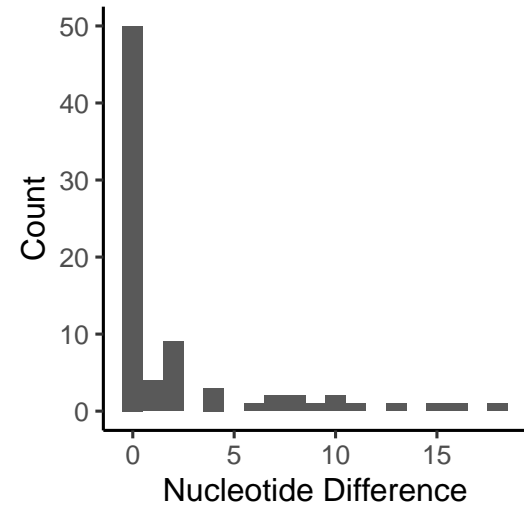
IGKV1-9*01

99 sequences assigned
54 (54.5%) exact matches, in which:
49 unique CDR3
5 unique J



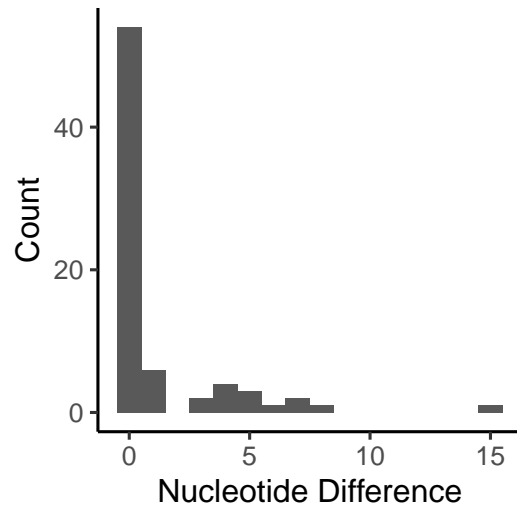
IGKV1-16*02

80 sequences assigned
50 (62.5%) exact matches, in which:
41 unique CDR3
6 unique J



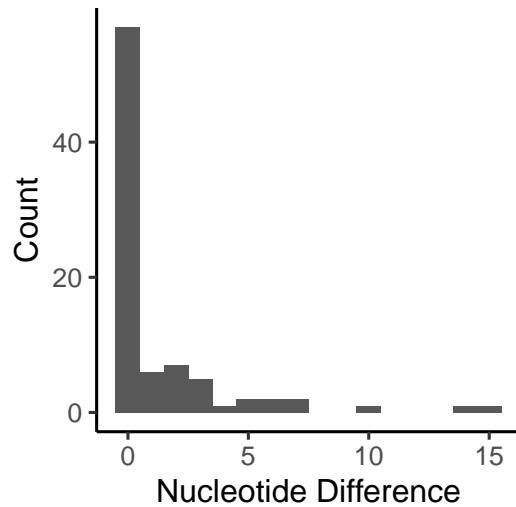
IGKV1-6*01

75 sequences assigned
54 (72%) exact matches, in which:
36 unique CDR3
4 unique J



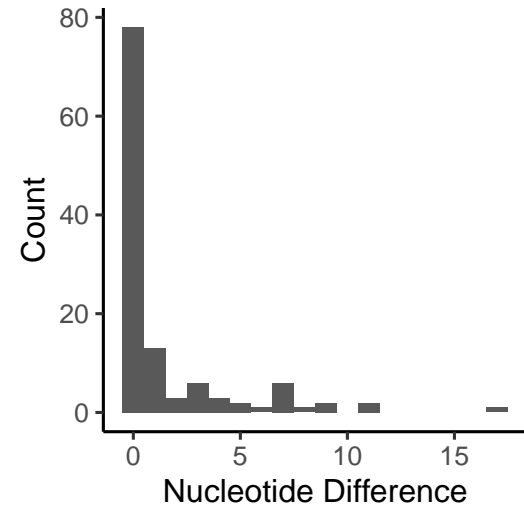
IGKV1-9*01_C70T

85 sequences assigned
57 (67.1%) exact matches, in which:
55 unique CDR3
5 unique J



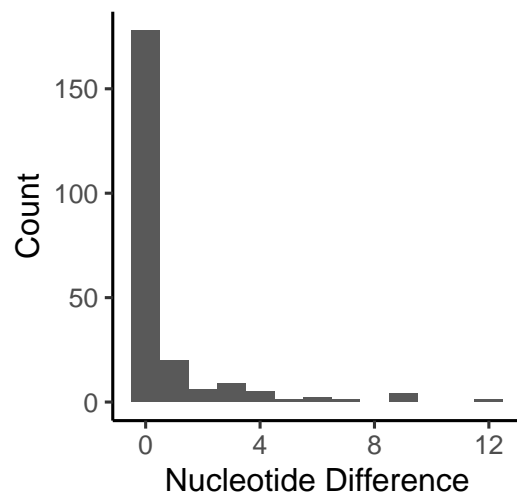
IGKV1-17*01

118 sequences assigned
78 (66.1%) exact matches, in which:
56 unique CDR3
6 unique J



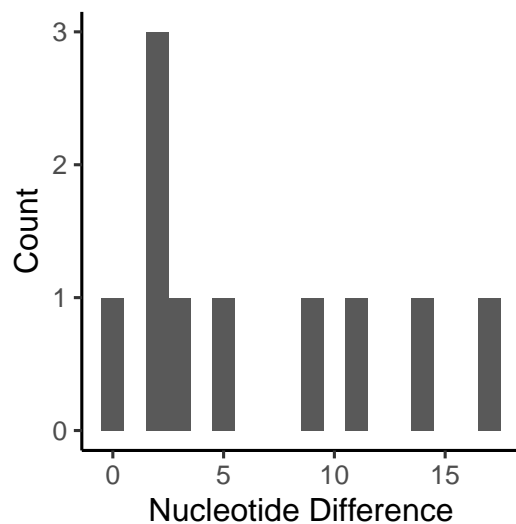
IGKV1-8*01

227 sequences assigned
178 (78.4%) exact matches, in which:
118 unique CDR3
6 unique J



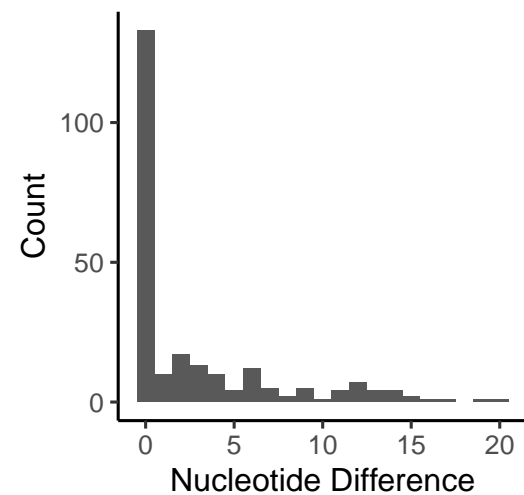
IGKV1-16*01

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



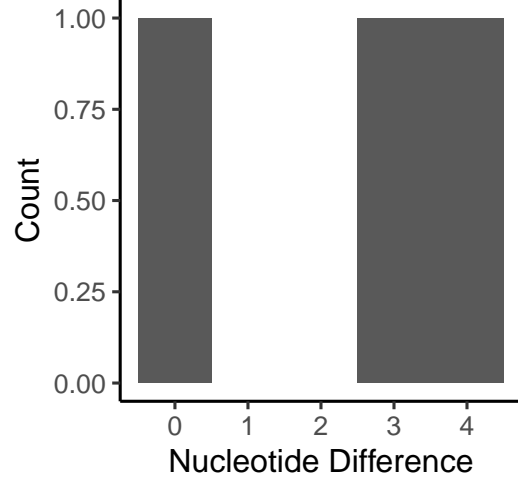
IGKV1-27*01

246 sequences assigned
133 (54.1%) exact matches, in which:
92 unique CDR3
6 unique J



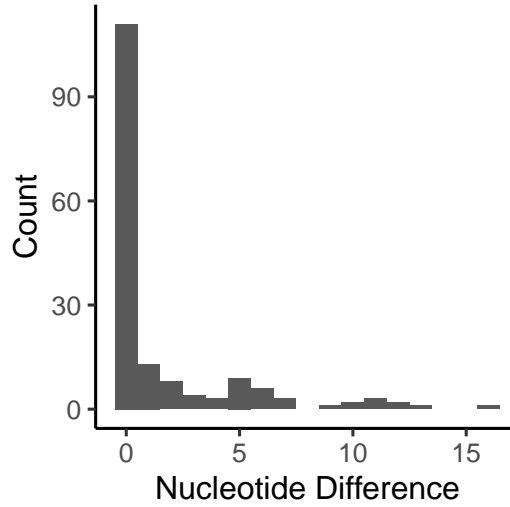
IGKV2/OR22-4*01

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



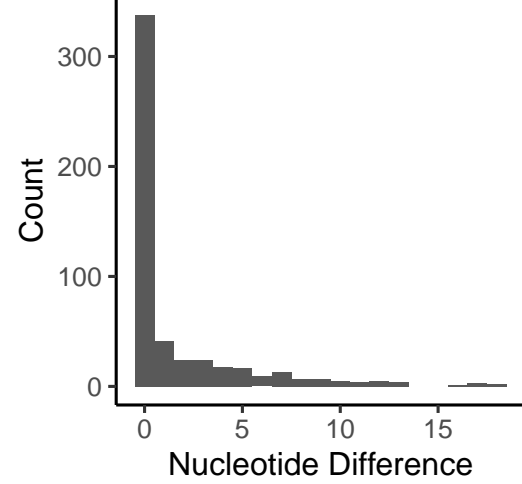
IGKV2-30*01

167 sequences assigned
111 (66.5%) exact matches, in which:
96 unique CDR3
6 unique J



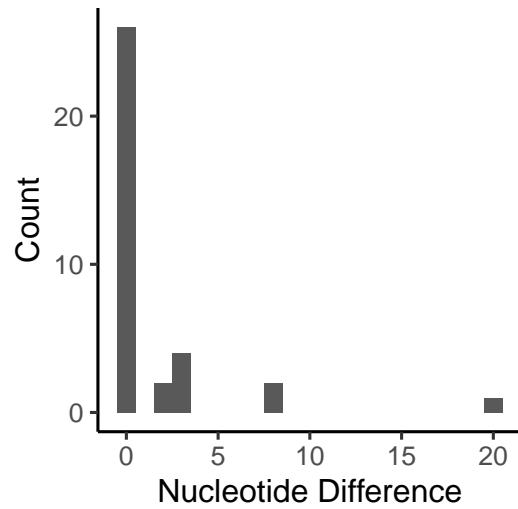
IGKV3-15*01

524 sequences assigned
338 (64.5%) exact matches, in which:
296 unique CDR3
6 unique J



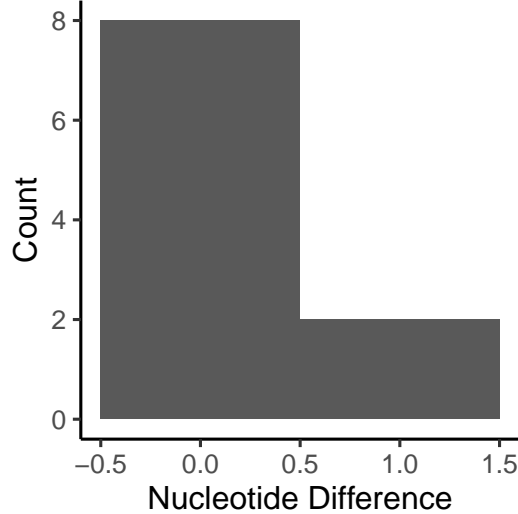
IGKV2-24*01

36 sequences assigned
26 (72.2%) exact matches, in which:
22 unique CDR3
5 unique J



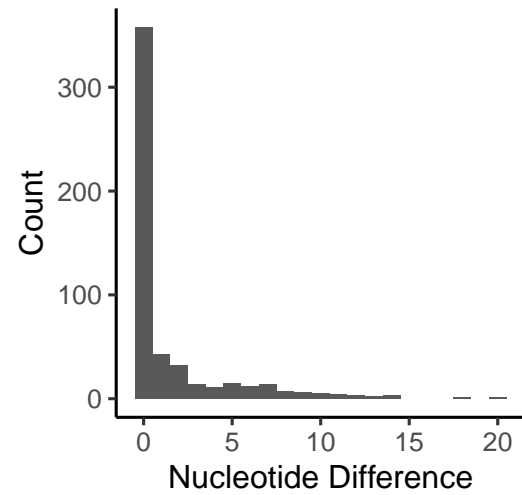
IGKV3-7*04

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



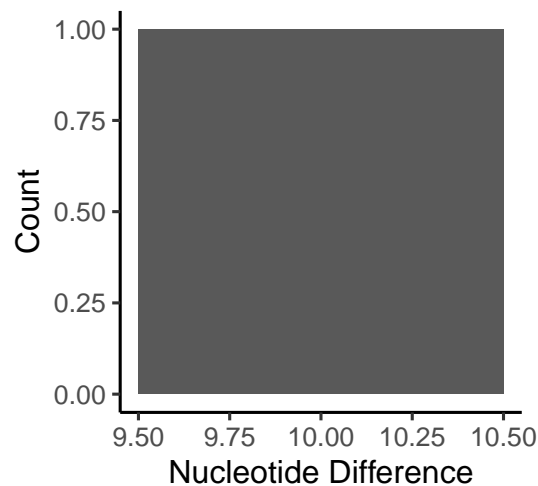
IGKV3-15*01_C27T

531 sequences assigned
358 (67.4%) exact matches, in which:
308 unique CDR3
5 unique J



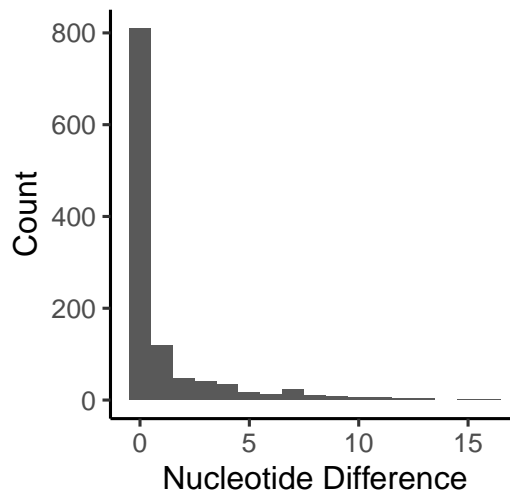
IGKV2-29*01

1 sequences assigned
No exact matches.



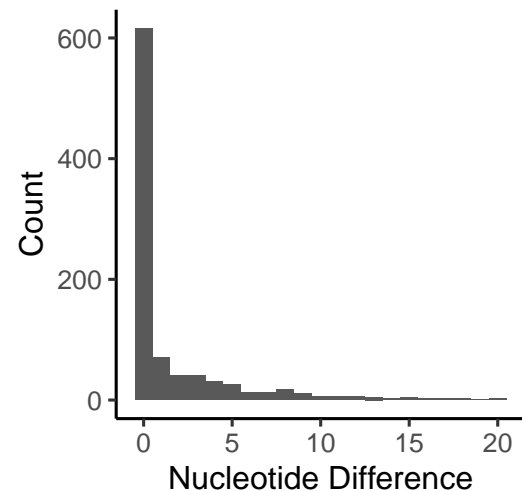
IGKV3-11*01

1138 sequences assigned
810 (71.2%) exact matches, in which:
602 unique CDR3
6 unique J



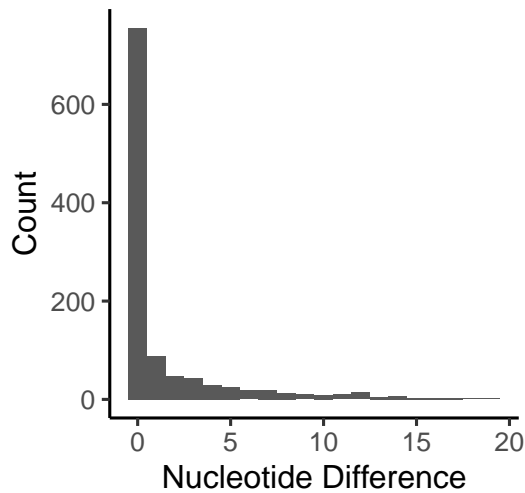
IGKV3-20*01

921 sequences assigned
616 (66.9%) exact matches, in which:
484 unique CDR3
6 unique J



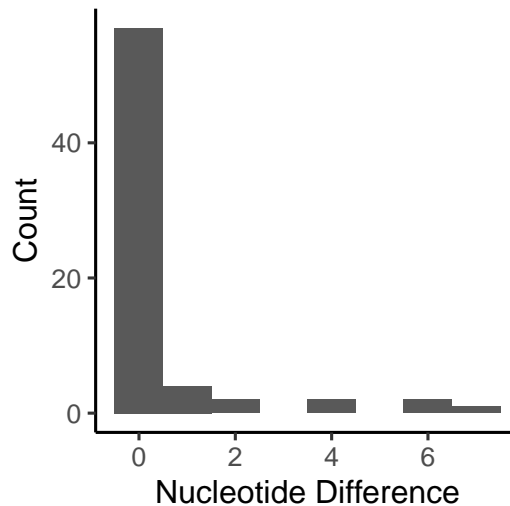
IGKV4–1*01

1108 sequences assigned
756 (68.2%) exact matches, in which:
480 unique CDR3
6 unique J



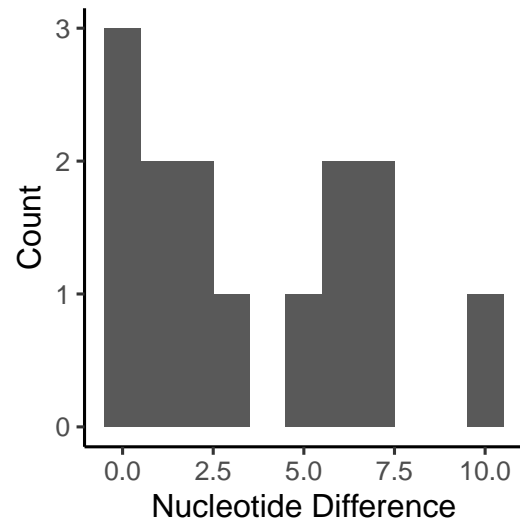
IGKV1D–8*02

68 sequences assigned
57 (83.8%) exact matches, in which:
45 unique CDR3
5 unique J



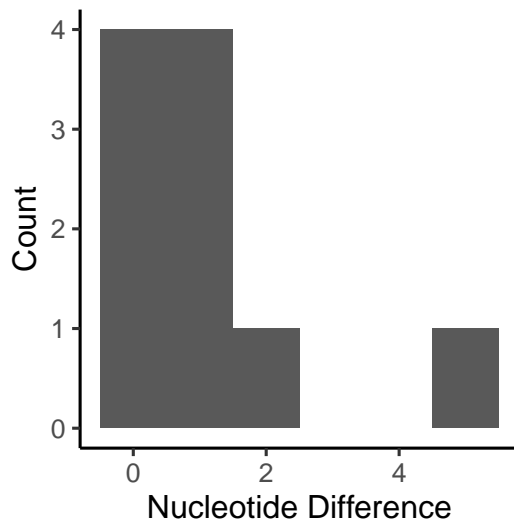
IGKV3D–15*01

15 sequences assigned
3 (20%) exact matches, in which:
3 unique CDR3
2 unique J



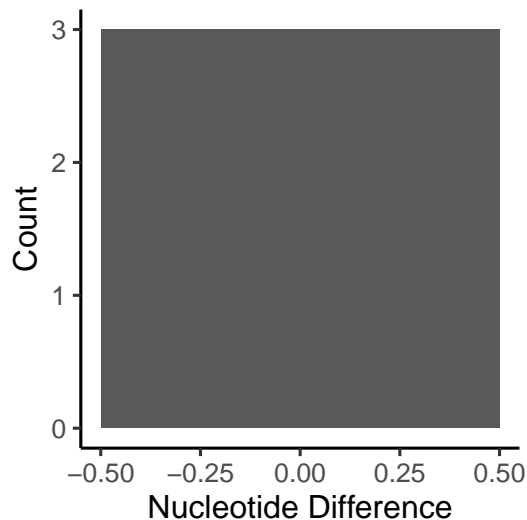
IGKV5–2*01

10 sequences assigned
4 (40%) exact matches, in which:
4 unique CDR3
3 unique J



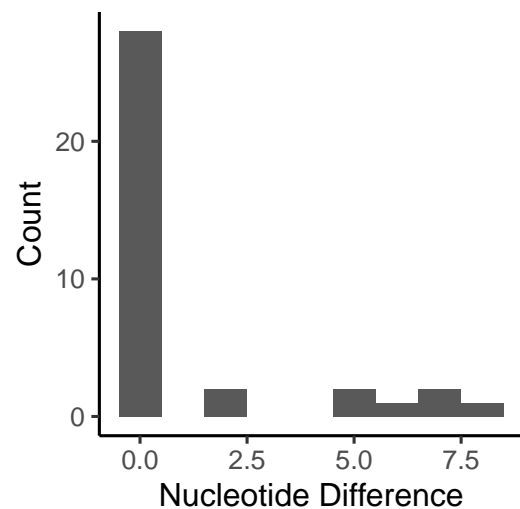
IGKV3D–11*02

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



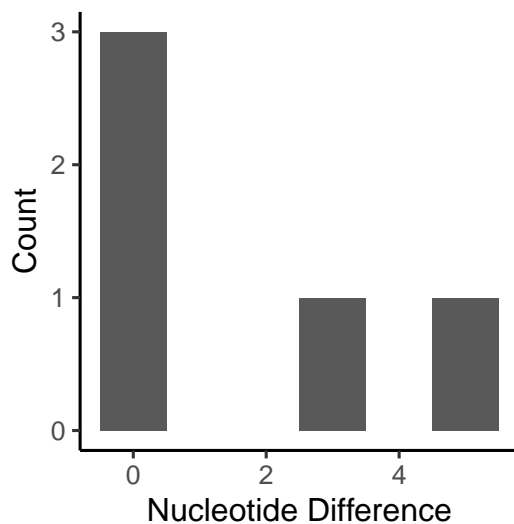
IGKV3D–15*03

36 sequences assigned
28 (77.8%) exact matches, in which:
27 unique CDR3
5 unique J



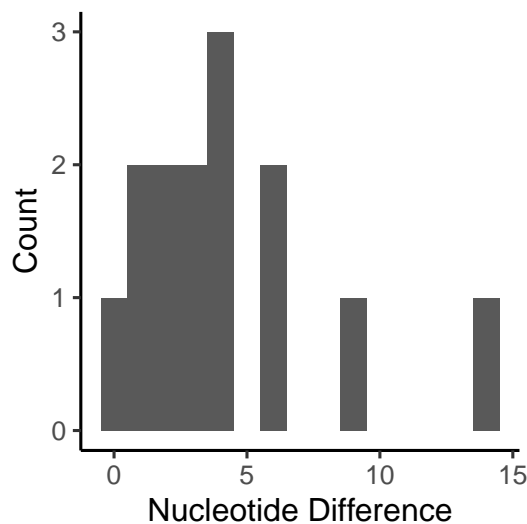
IGKV3D–7*01

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
2 unique J



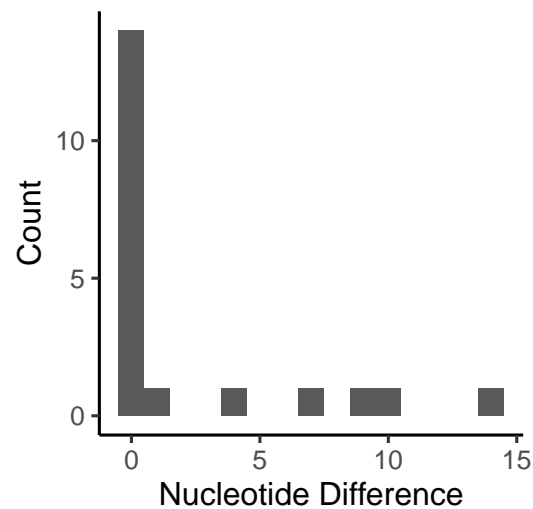
IGKV3D–11*02_A15G_C24

14 sequences assigned
1 (7.1%) exact matches, in which:
1 unique CDR3
1 unique J



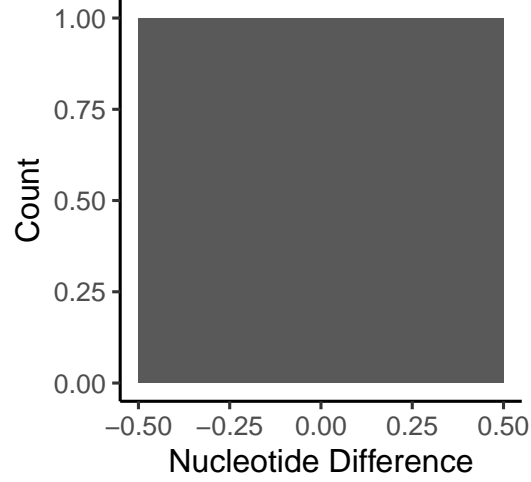
IGKV1D–16*01

20 sequences assigned
14 (70%) exact matches, in which:
12 unique CDR3
4 unique J



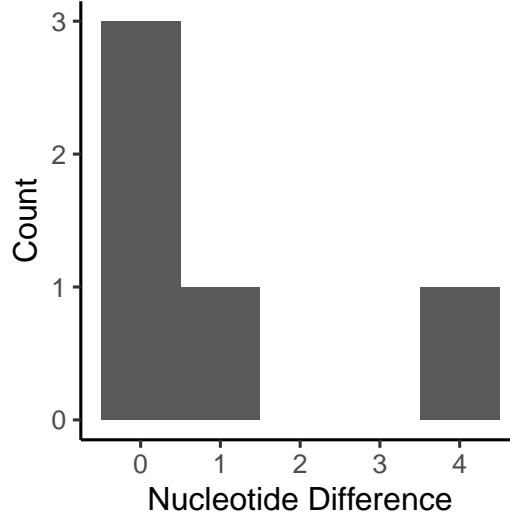
IGKV1D-17*01

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



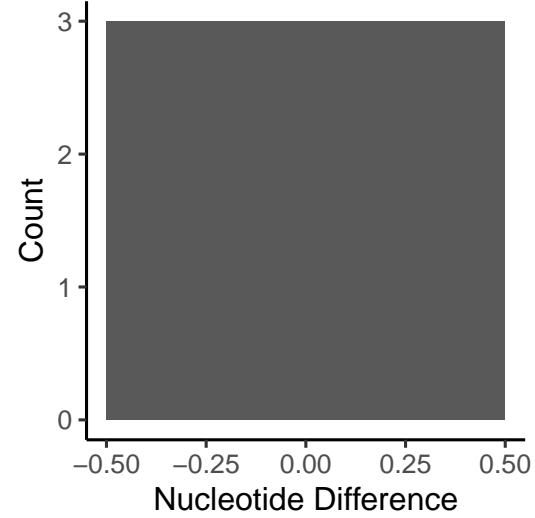
IGKV2D-26*03

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
3 unique J



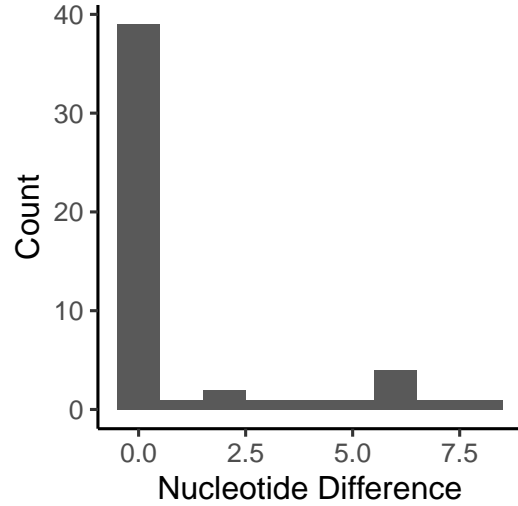
IGKV1D-43*01

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



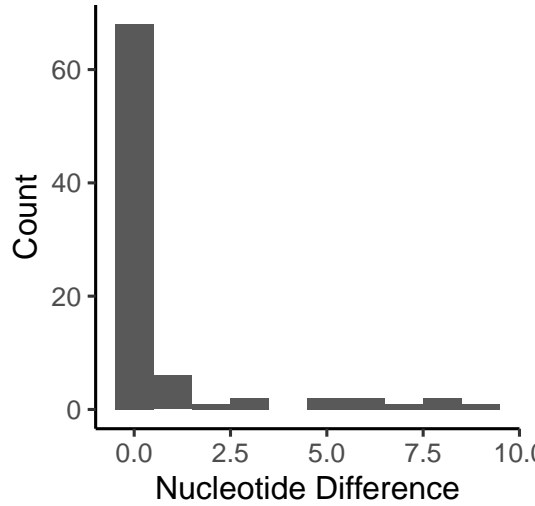
IGKV3D-20*01

51 sequences assigned
39 (76.5%) exact matches, in which:
35 unique CDR3
6 unique J



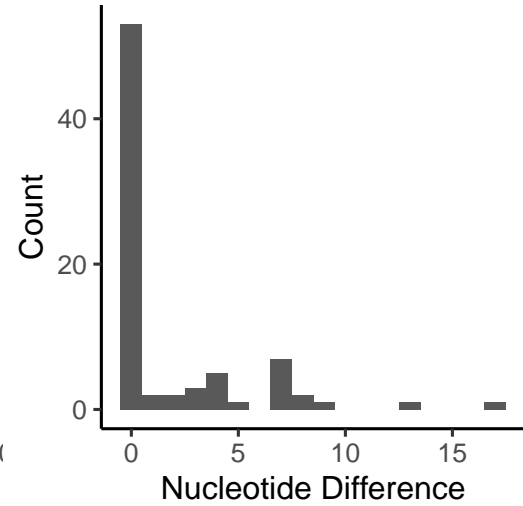
IGKV2D-29*01

85 sequences assigned
68 (80%) exact matches, in which:
61 unique CDR3
6 unique J



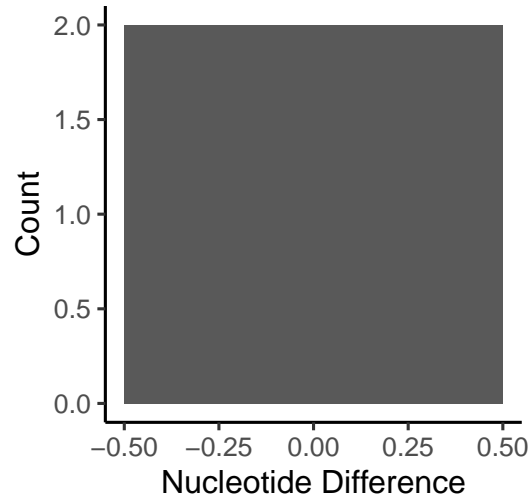
IGKV1E-12*01

78 sequences assigned
53 (67.9%) exact matches, in which:
35 unique CDR3
6 unique J



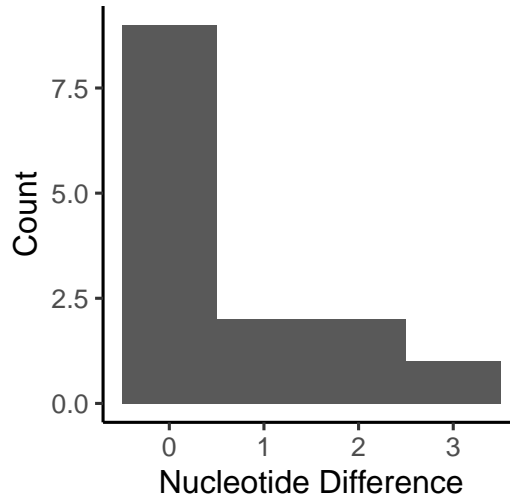
IGKV2D-24*01

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



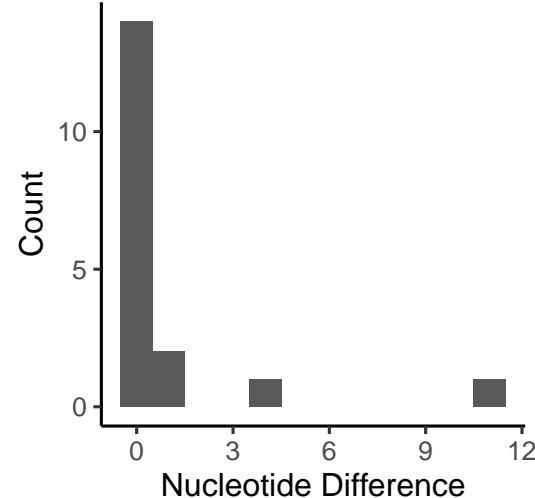
IGKV2D-30*01

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



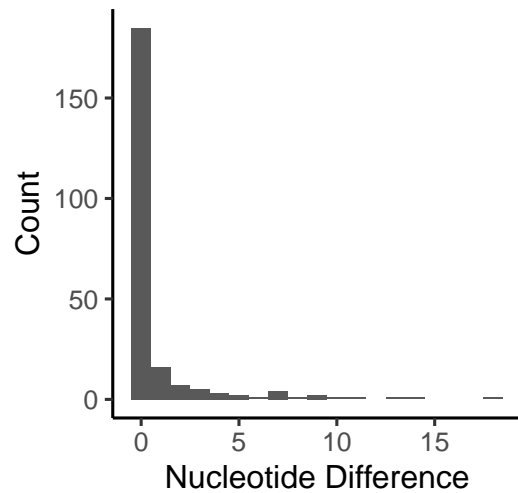
IGKV1E-12*02

18 sequences assigned
14 (77.8%) exact matches, in which:
11 unique CDR3
4 unique J



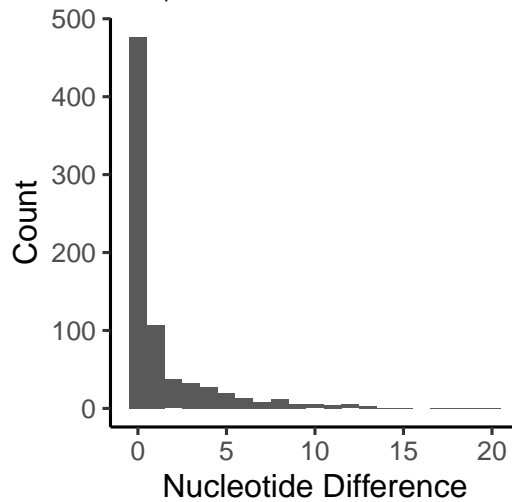
IGKV1E-13*02

232 sequences assigned
185 (79.7%) exact matches, in which:
140 unique CDR3
6 unique J



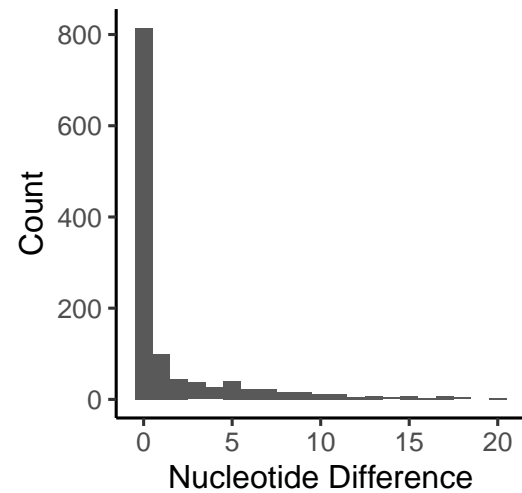
IGKV2E-28*01

765 sequences assigned
477 (62.4%) exact matches, in which:
365 unique CDR3
6 unique J



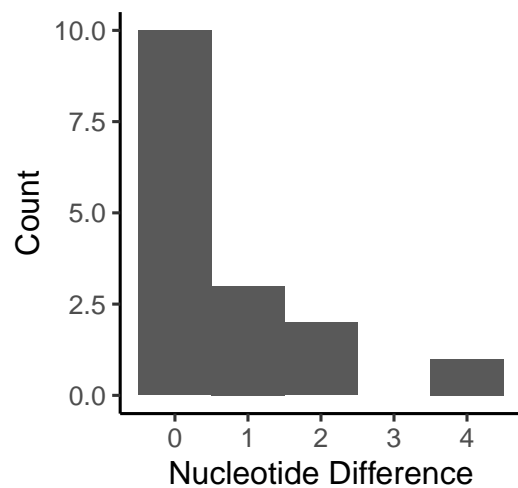
IGKV1E-39*01

1215 sequences assigned
815 (67.1%) exact matches, in which:
513 unique CDR3
6 unique J



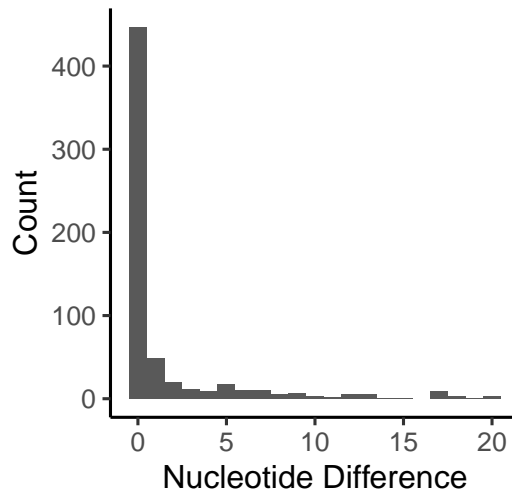
IGKV6E-21*01

16 sequences assigned
10 (62.5%) exact matches, in which:
10 unique CDR3
4 unique J



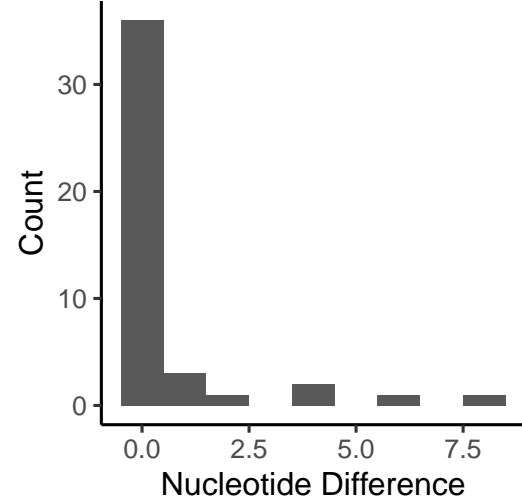
IGKV1E-33*01

627 sequences assigned
447 (71.3%) exact matches, in which:
300 unique CDR3
6 unique J



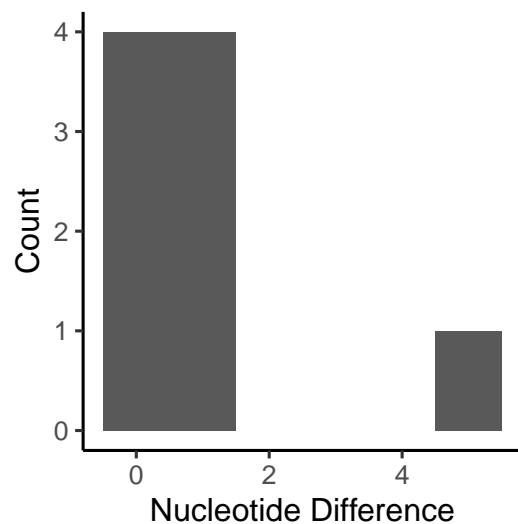
IGKV2E-40*01

44 sequences assigned
36 (81.8%) exact matches, in which:
32 unique CDR3
6 unique J



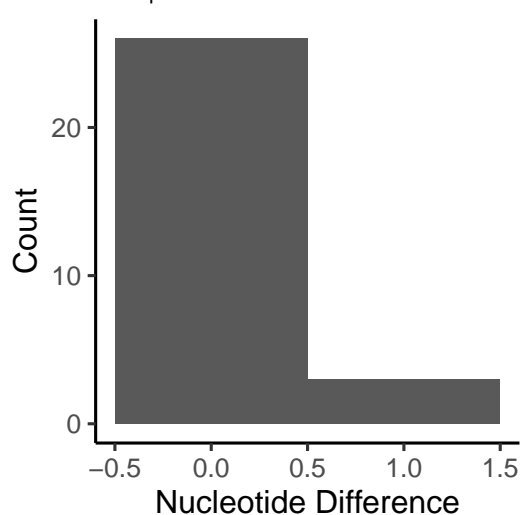
IGKV6E-21*03

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

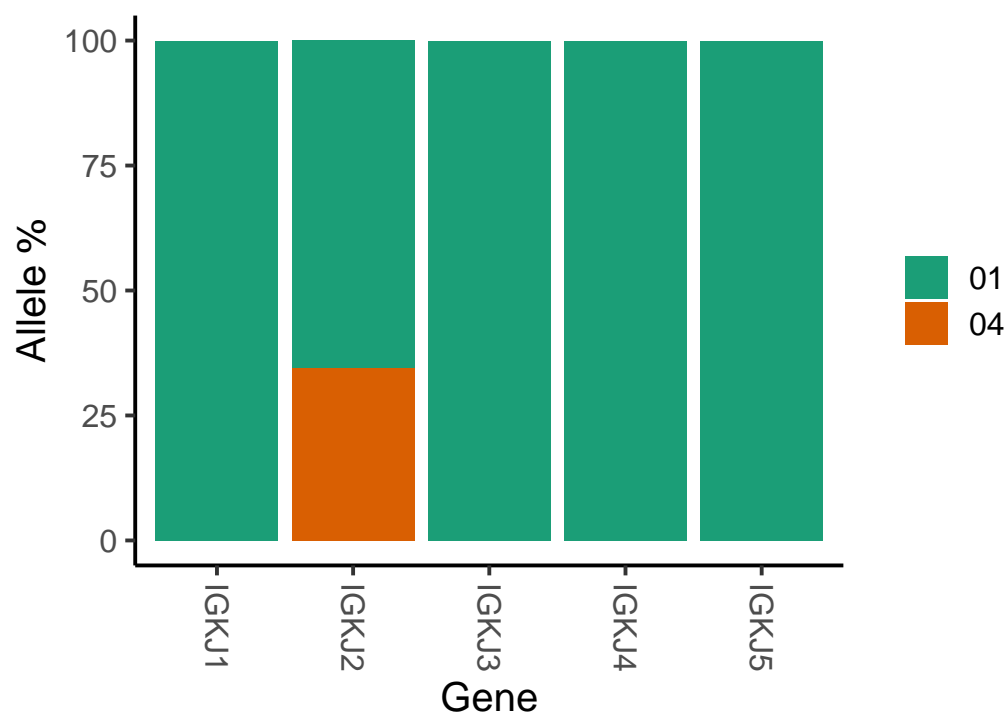


IGKV1E-37*01

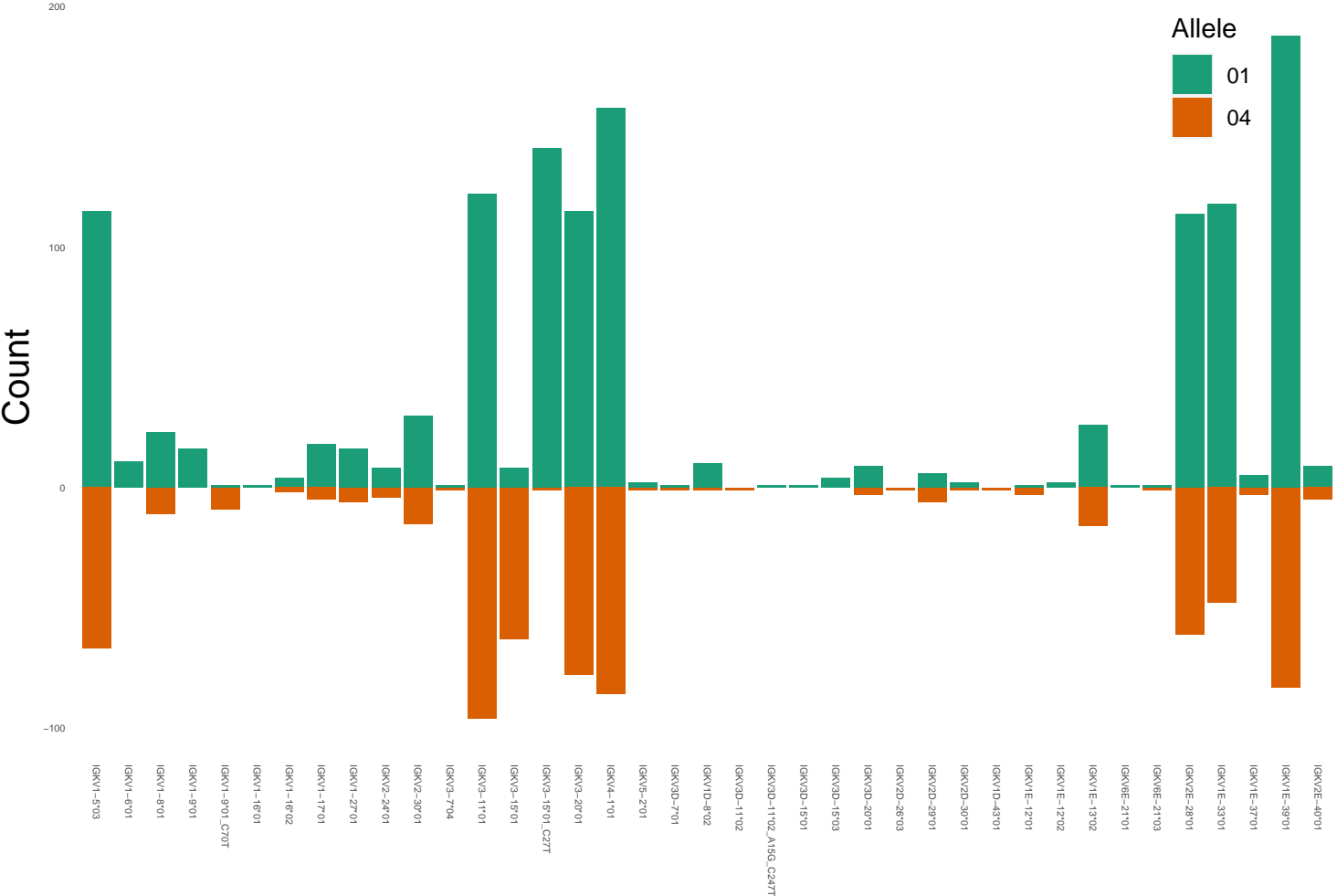
29 sequences assigned
26 (89.7%) exact matches, in which:
24 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGKJ2 allele usage



Warning – no inferred sequences found.