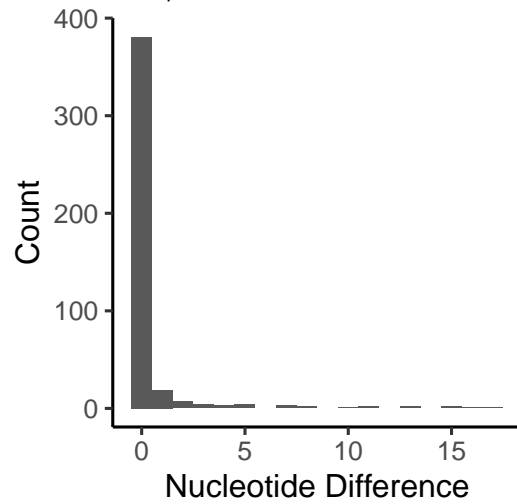


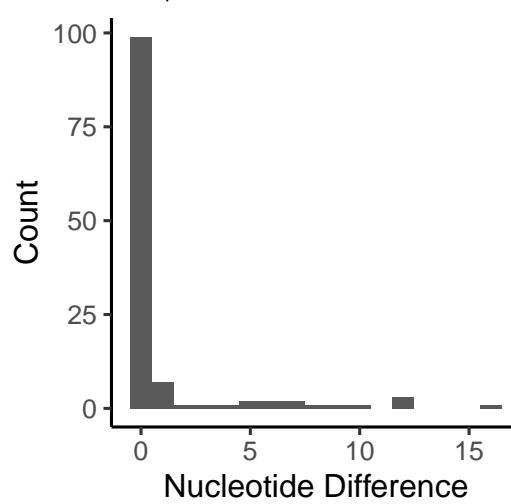
IGKV1-5*03

436 sequences assigned
381 (87.4%) exact matches, in which:
350 unique CDR3
6 unique J



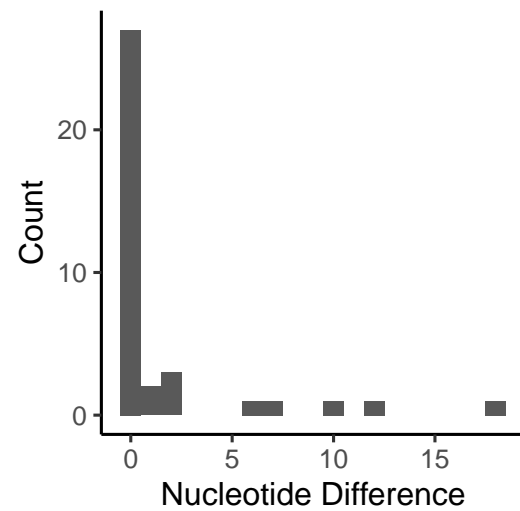
IGKV1-9*01

123 sequences assigned
99 (80.5%) exact matches, in which:
93 unique CDR3
6 unique J



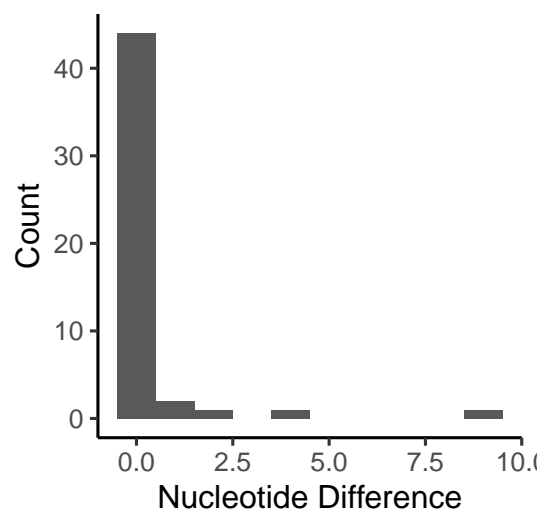
IGKV1-27*01

39 sequences assigned
27 (69.2%) exact matches, in which:
25 unique CDR3
5 unique J



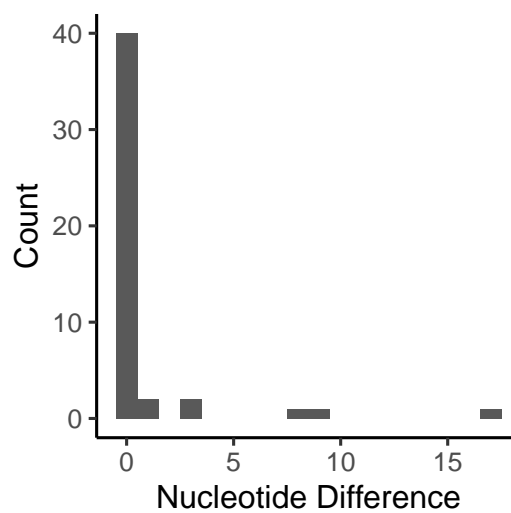
IGKV1-6*01

50 sequences assigned
44 (88%) exact matches, in which:
41 unique CDR3
6 unique J



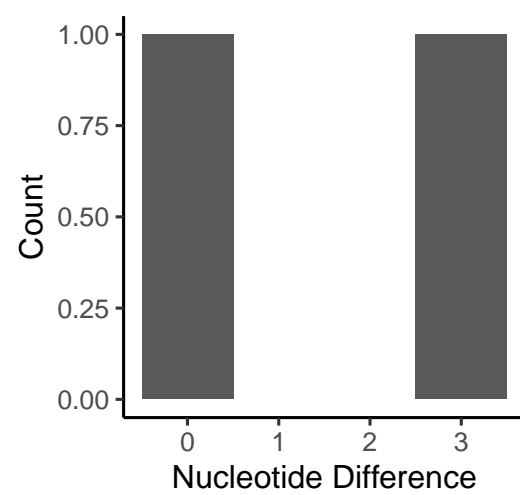
IGKV1-16*02

47 sequences assigned
40 (85.1%) exact matches, in which:
37 unique CDR3
6 unique J



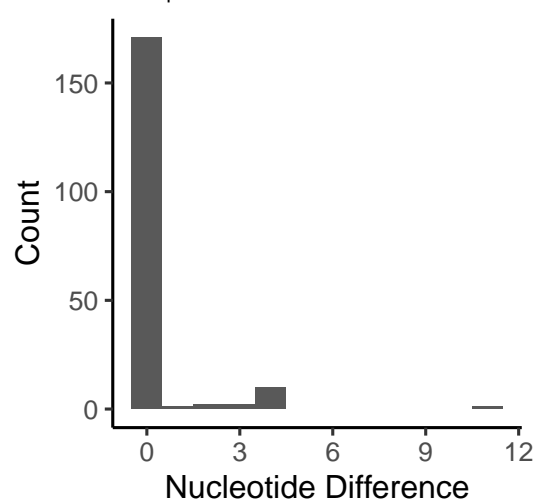
IGKV2-18*01

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



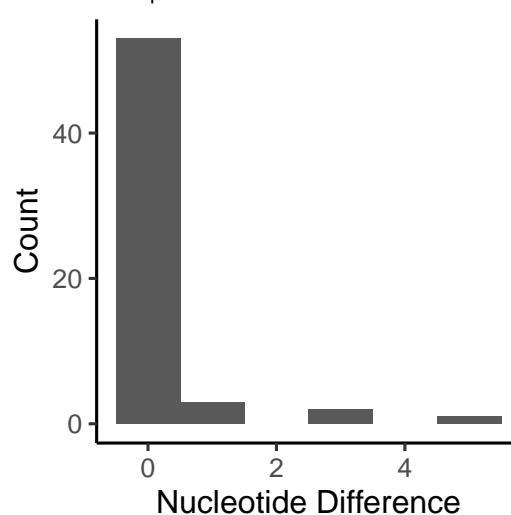
IGKV1-8*01

187 sequences assigned
171 (91.4%) exact matches, in which:
127 unique CDR3
6 unique J



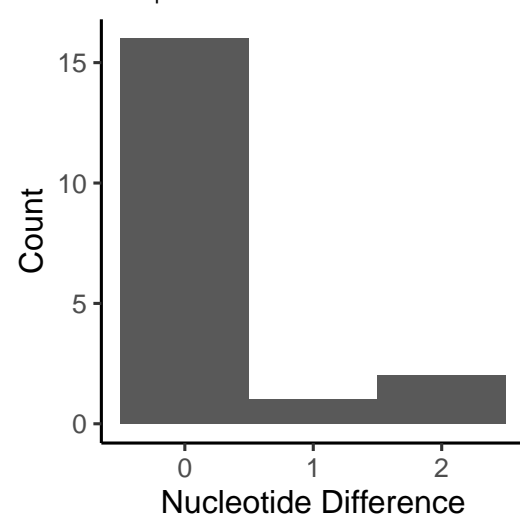
IGKV1-17*01

60 sequences assigned
53 (88.3%) exact matches, in which:
48 unique CDR3
5 unique J



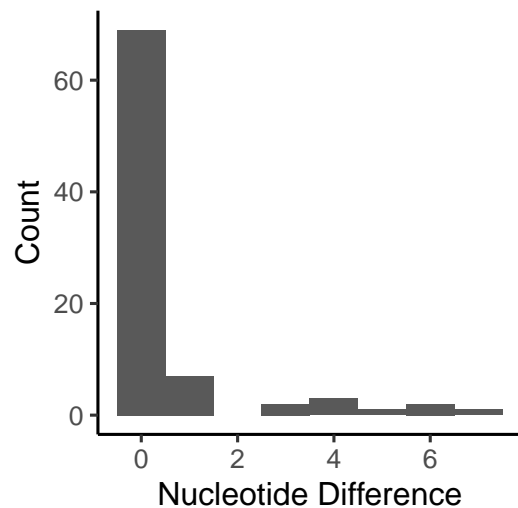
IGKV2-24*01

19 sequences assigned
16 (84.2%) exact matches, in which:
15 unique CDR3
6 unique J



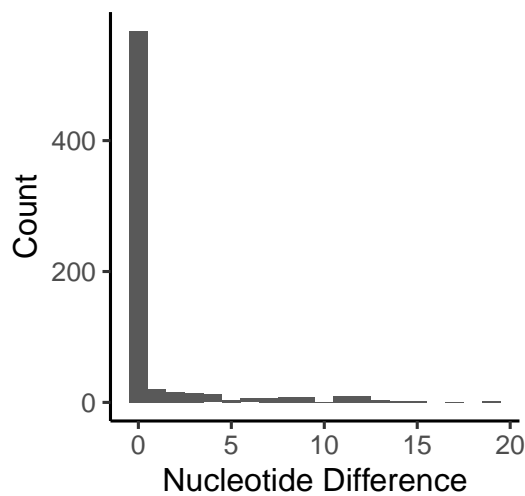
IGKV2–30*01

85 sequences assigned
69 (81.2%) exact matches, in which:
67 unique CDR3
6 unique J



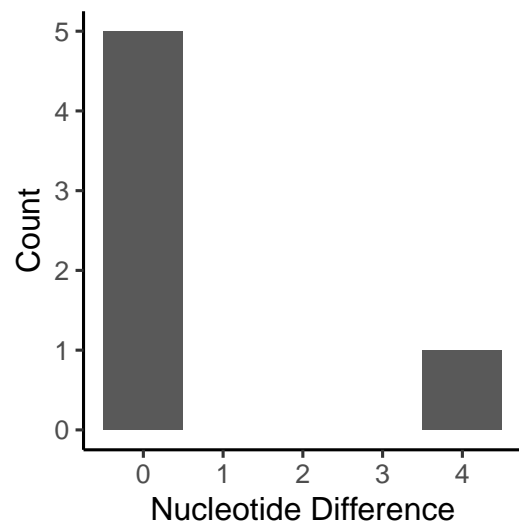
IGKV3–15*01

697 sequences assigned
568 (81.5%) exact matches, in which:
485 unique CDR3
6 unique J



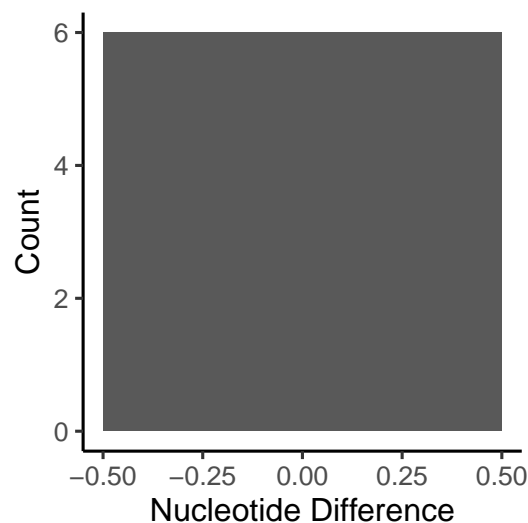
IGKV5–2*01

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



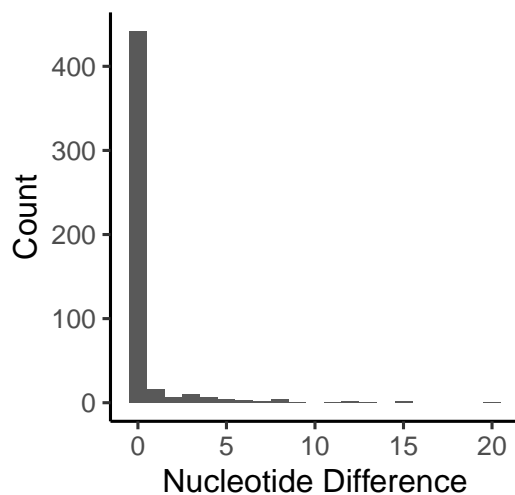
IGKV3–7*04

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



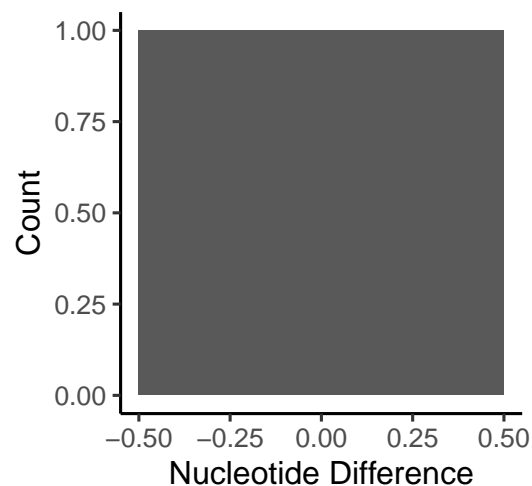
IGKV3–20*01

506 sequences assigned
442 (87.4%) exact matches, in which:
382 unique CDR3
6 unique J



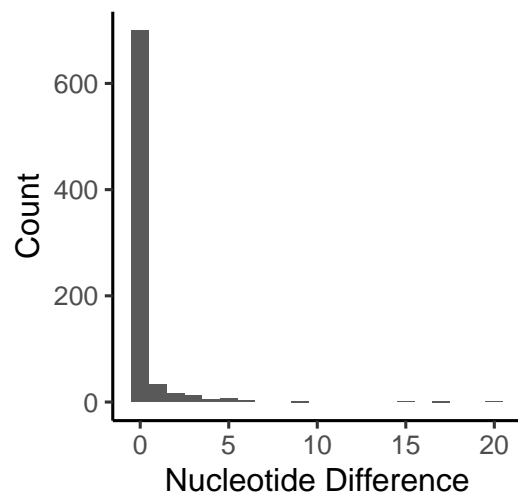
IGKV3D–7*01

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



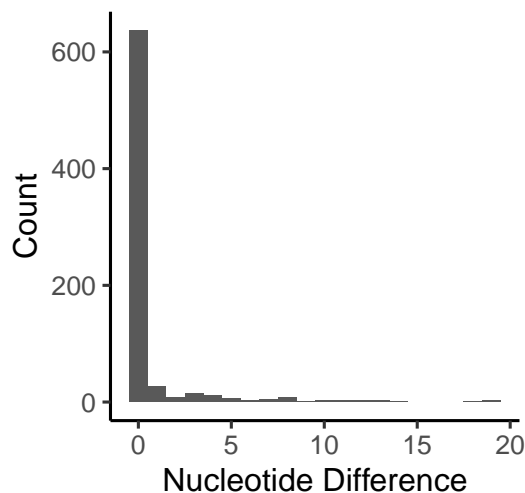
IGKV3–11*01

785 sequences assigned
700 (89.2%) exact matches, in which:
579 unique CDR3
6 unique J



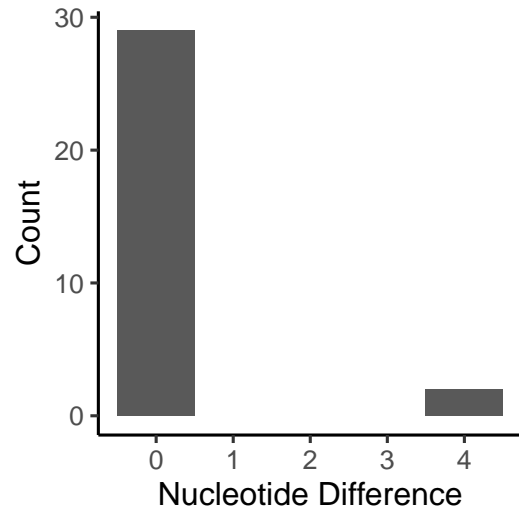
IGKV4–1*01

738 sequences assigned
637 (86.3%) exact matches, in which:
464 unique CDR3
6 unique J



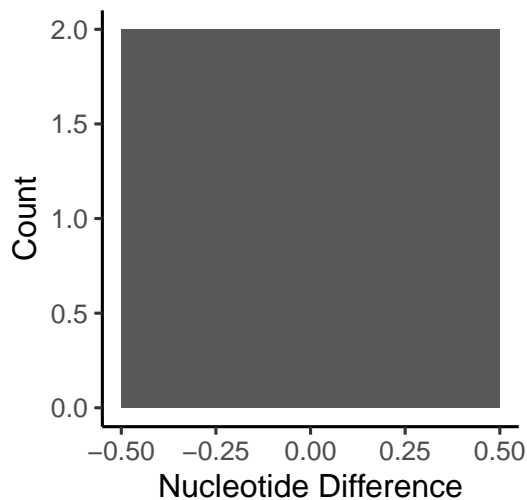
IGKV1D–8*01

31 sequences assigned
29 (93.5%) exact matches, in which:
21 unique CDR3
4 unique J



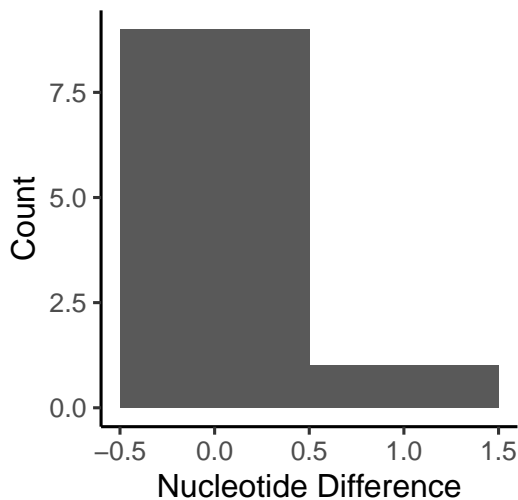
IGKV3D-11*01

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



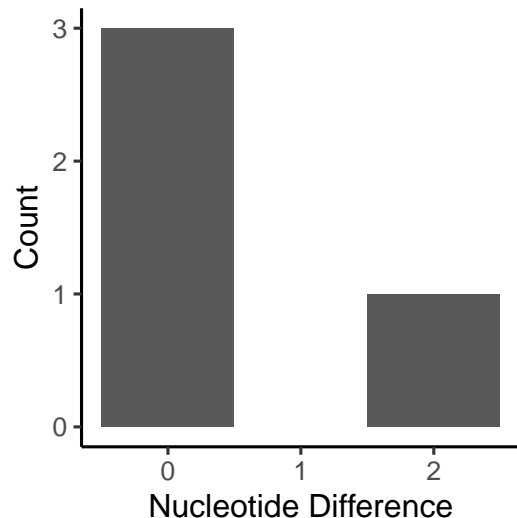
IGKV3D-20*01

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



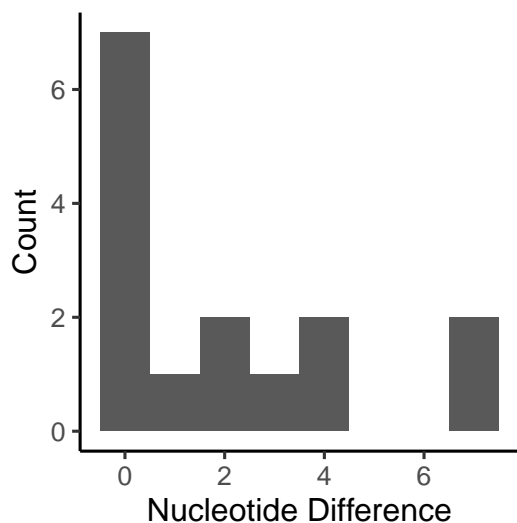
IGKV2D-30*01

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



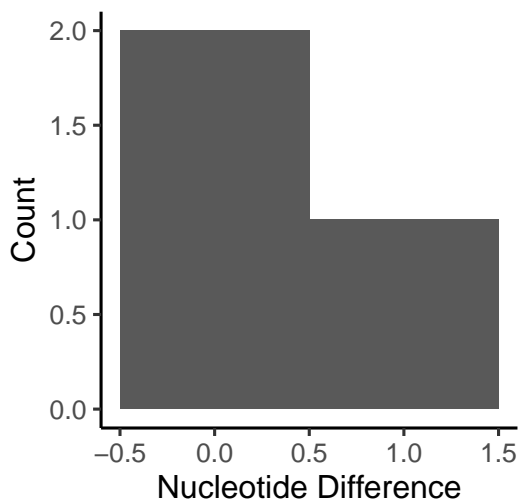
IGKV3D-15*01

15 sequences assigned
7 (46.7%) exact matches, in which:
7 unique CDR3
4 unique J



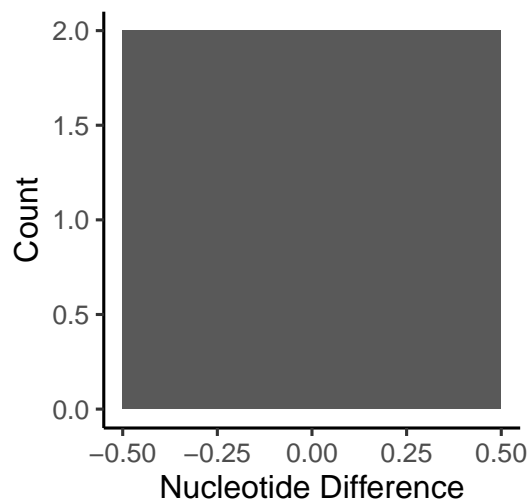
IGKV2D-26*03

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



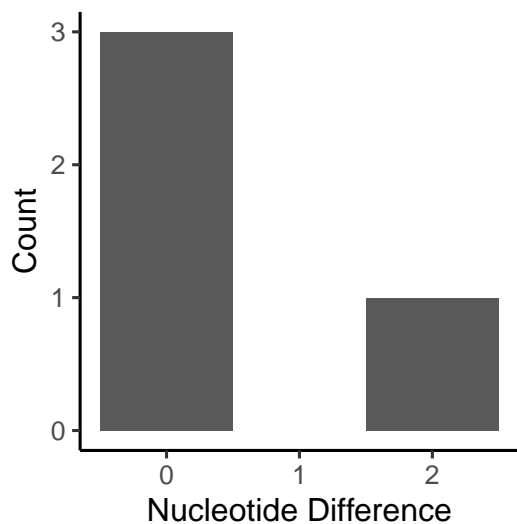
IGKV1D-43*01

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



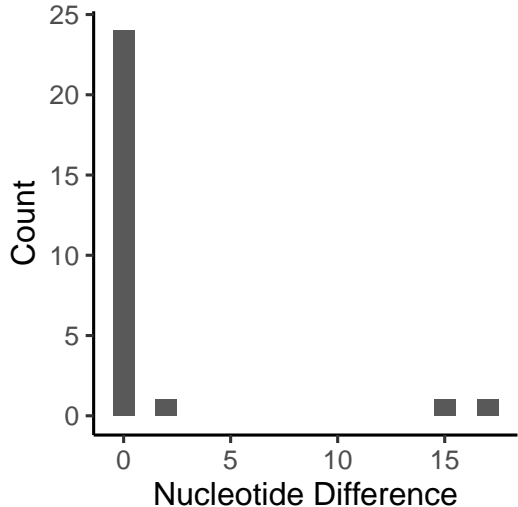
IGKV1D-16*01

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



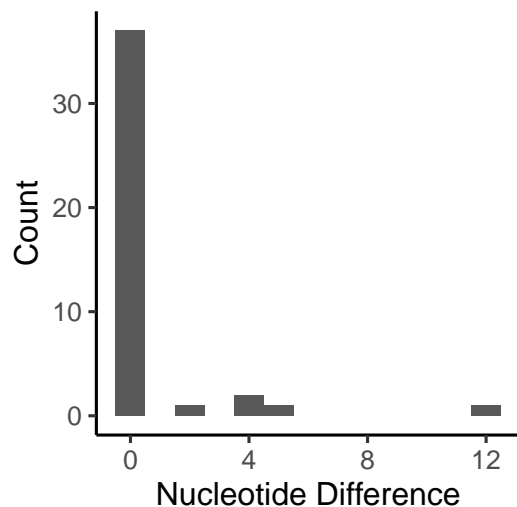
IGKV2D-29*01

27 sequences assigned
24 (88.9%) exact matches, in which:
22 unique CDR3
5 unique J



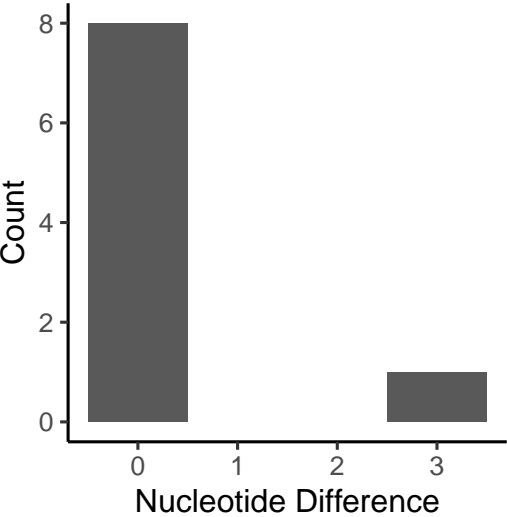
IGKV1E-12*01

42 sequences assigned
37 (88.1%) exact matches, in which:
28 unique CDR3
6 unique J



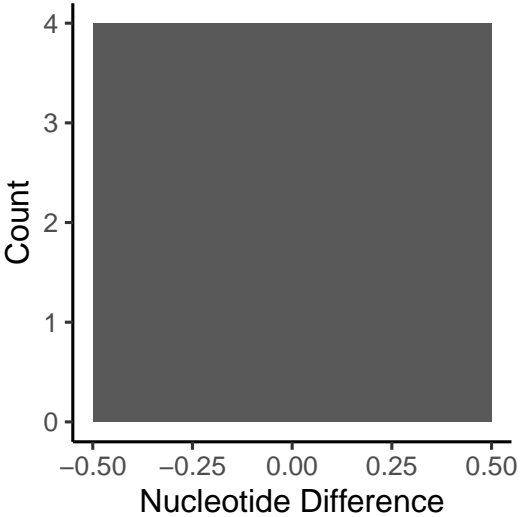
IGKV1E-12*02

9 sequences assigned
8 (88.9%) exact matches, in which:
7 unique CDR3
5 unique J



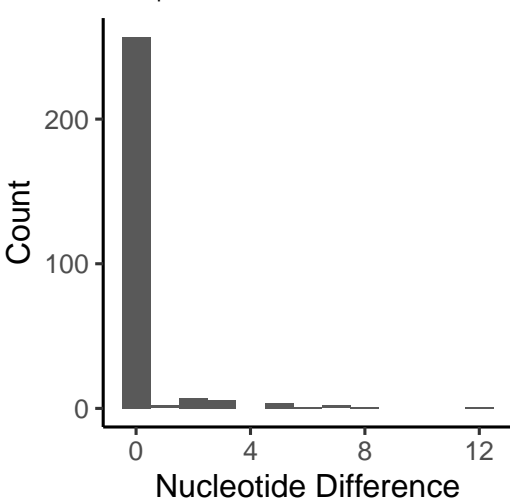
IGKV1E-13*03

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



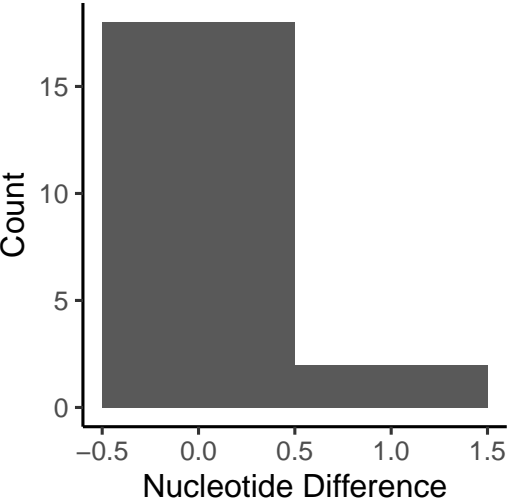
IGKV2E-28*01

282 sequences assigned
257 (91.1%) exact matches, in which:
221 unique CDR3
6 unique J



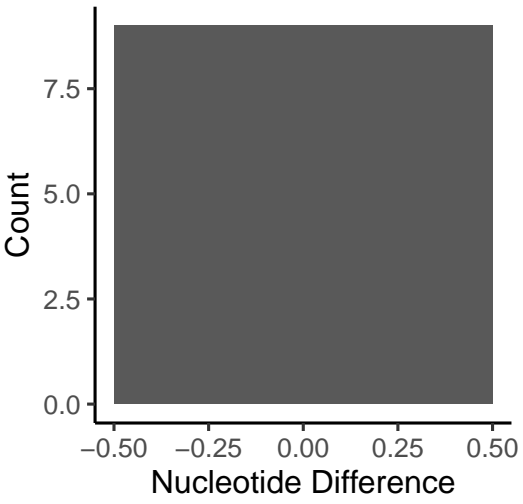
IGKV1E-12*03

20 sequences assigned
18 (90%) exact matches, in which:
18 unique CDR3
4 unique J



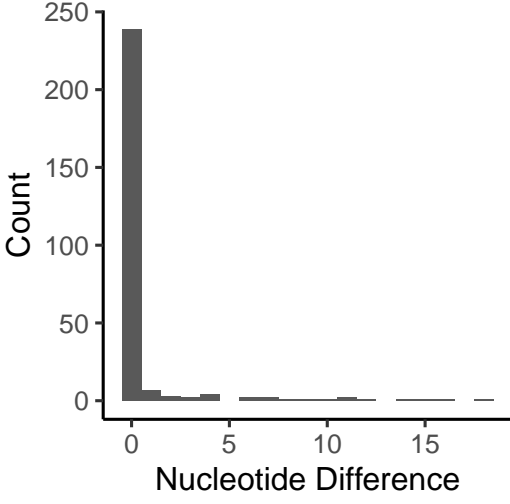
IGKV6E-21*01

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



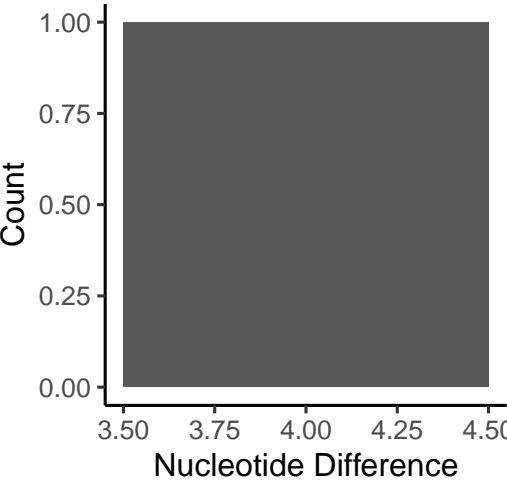
IGKV1E-33*01

273 sequences assigned
239 (87.5%) exact matches, in which:
204 unique CDR3
6 unique J



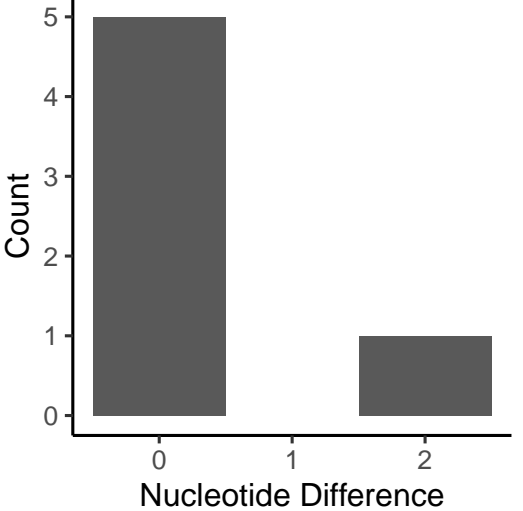
IGKV1E-13*02

1 sequences assigned
No exact matches.



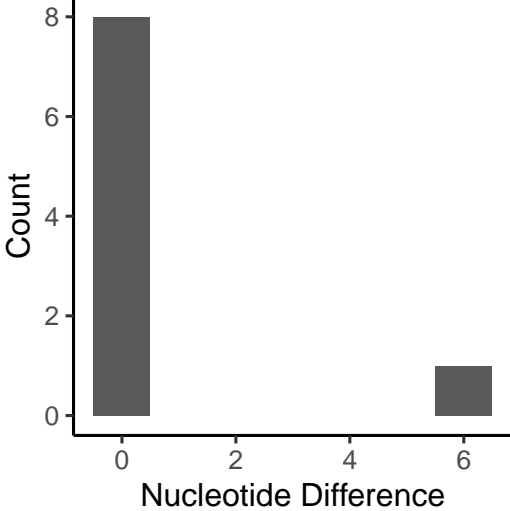
IGKV6E-21*03

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



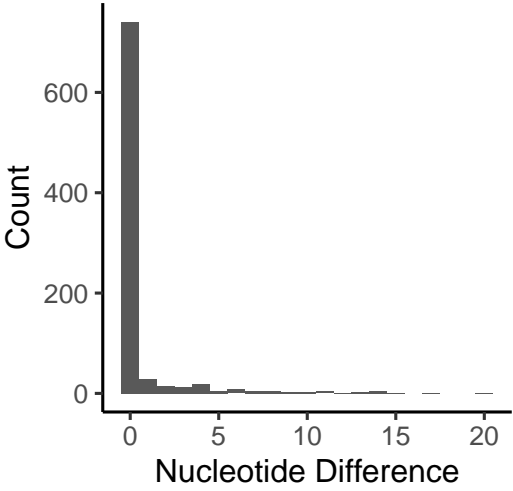
IGKV1E-37*01

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
4 unique J



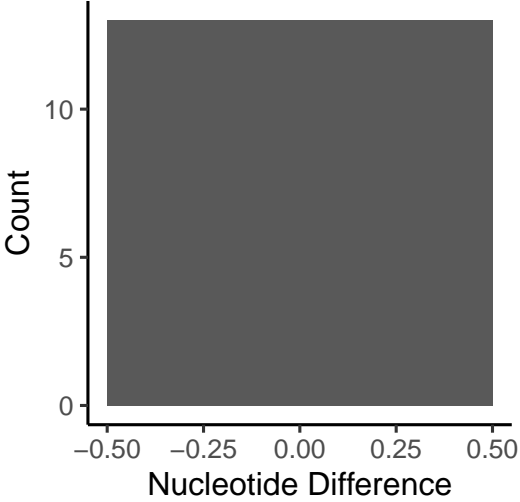
IGKV1E-39*01

863 sequences assigned
741 (85.9%) exact matches, in which:
552 unique CDR3
6 unique J

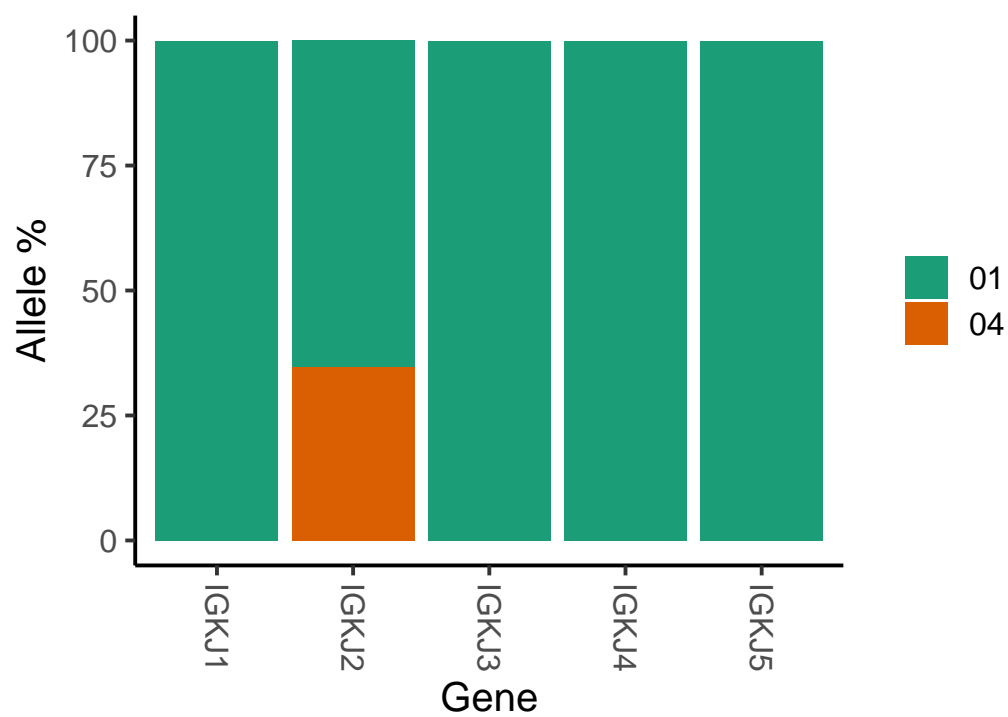


IGKV2E-40*01

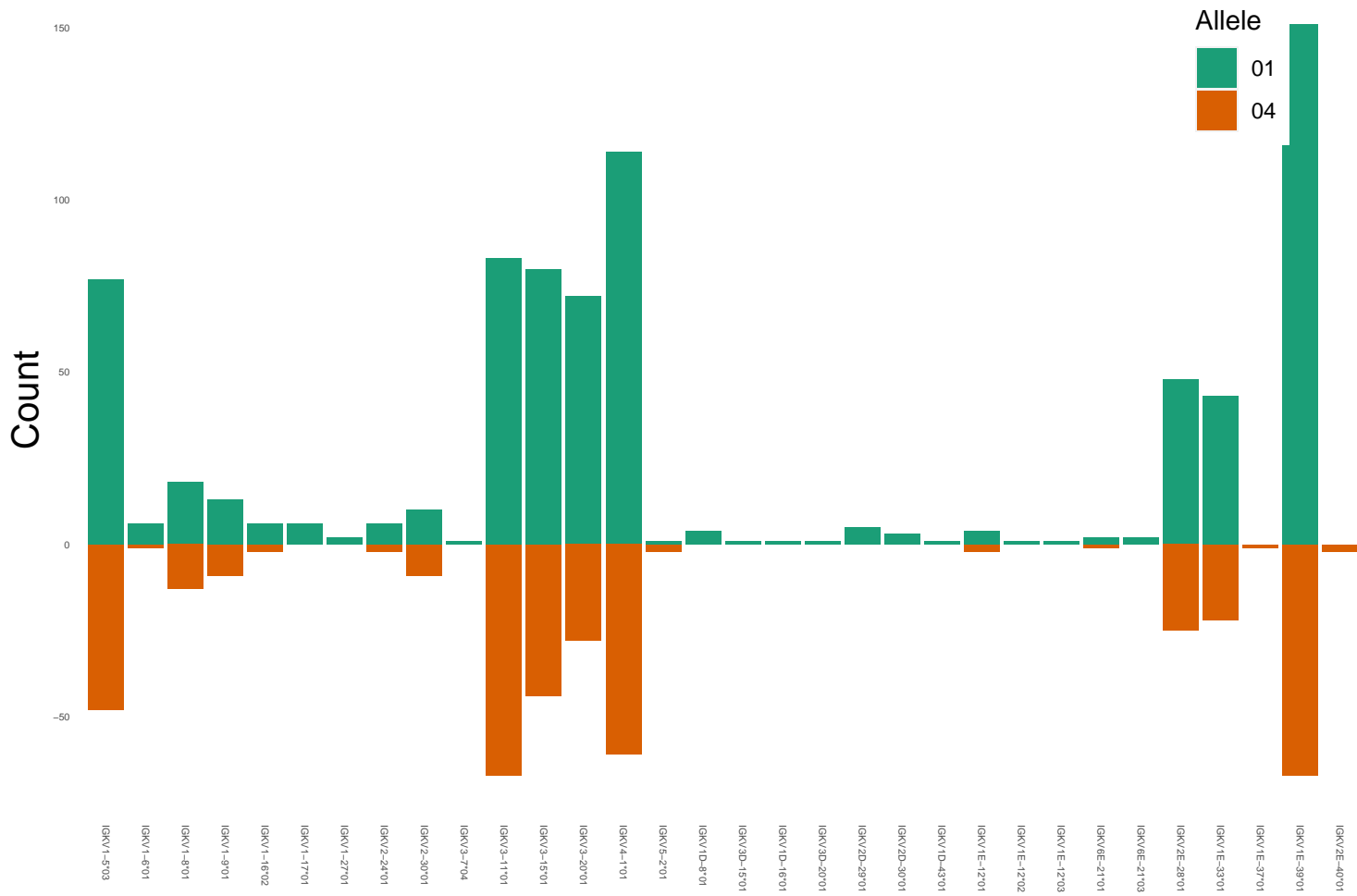
14 sequences assigned
13 (92.9%) exact matches, in which:
13 unique CDR3
5 unique J



Allele Usage



Sequence Count by IGKJ2 allele usage



Warning – no inferred sequences found.