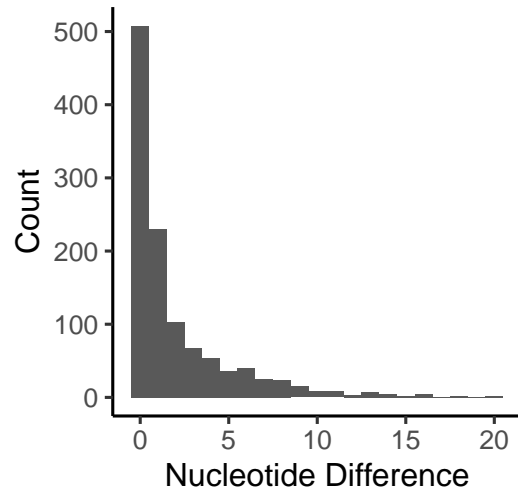


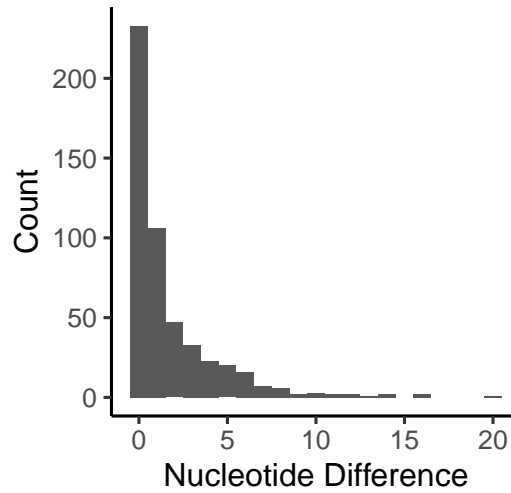
IGKV1-5*03

1148 sequences assigned
508 (44.3%) exact matches, in which:
439 unique CDR3
6 unique J



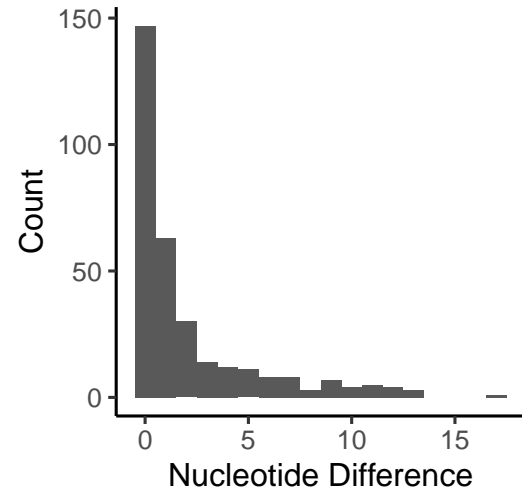
IGKV1-9*01

507 sequences assigned
233 (46%) exact matches, in which:
206 unique CDR3
6 unique J



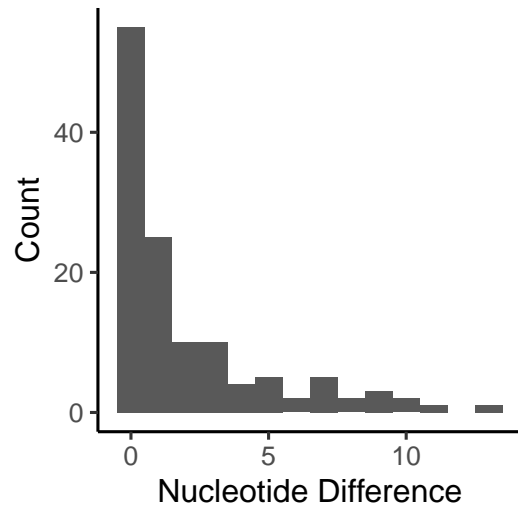
IGKV1-27*01

320 sequences assigned
147 (45.9%) exact matches, in which:
128 unique CDR3
6 unique J



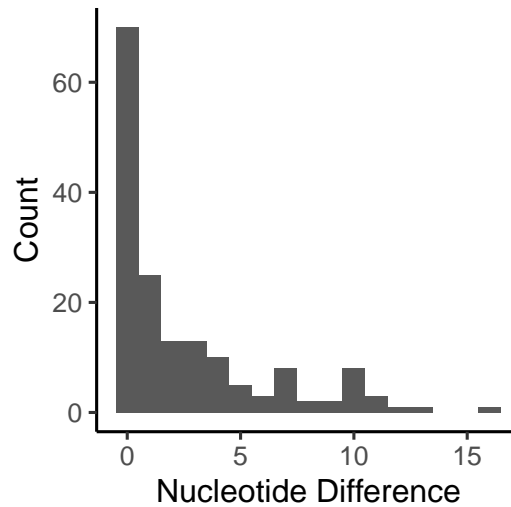
IGKV1-6*01

125 sequences assigned
55 (44%) exact matches, in which:
44 unique CDR3
5 unique J



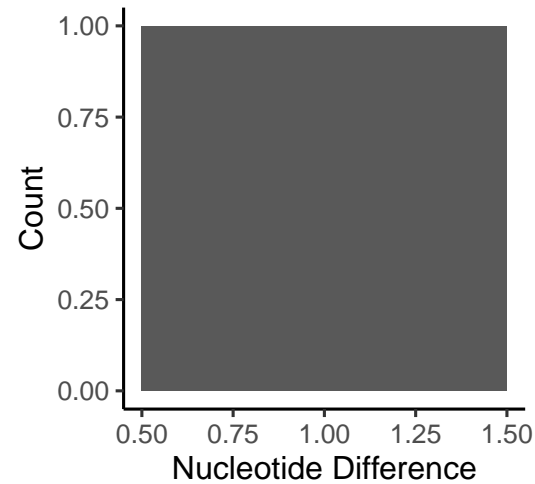
IGKV1-16*02

166 sequences assigned
70 (42.2%) exact matches, in which:
59 unique CDR3
6 unique J



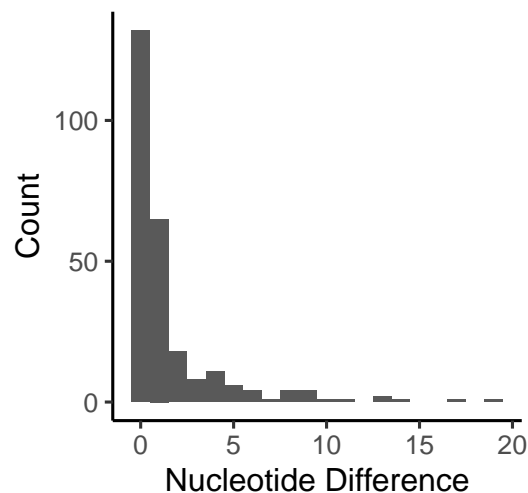
IGKV2-4*01

1 sequences assigned
No exact matches.



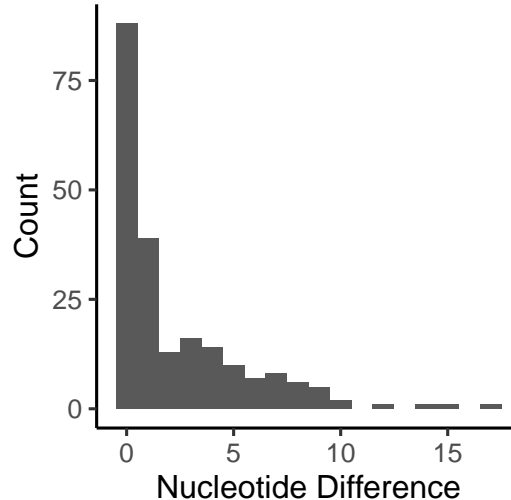
IGKV1-8*01

260 sequences assigned
132 (50.8%) exact matches, in which:
116 unique CDR3
6 unique J



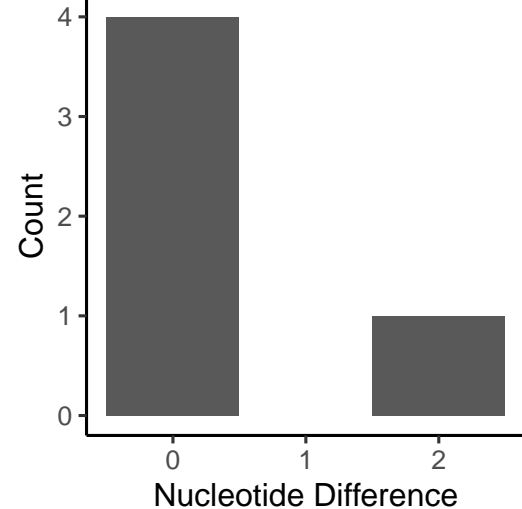
IGKV1-17*01

212 sequences assigned
88 (41.5%) exact matches, in which:
79 unique CDR3
6 unique J



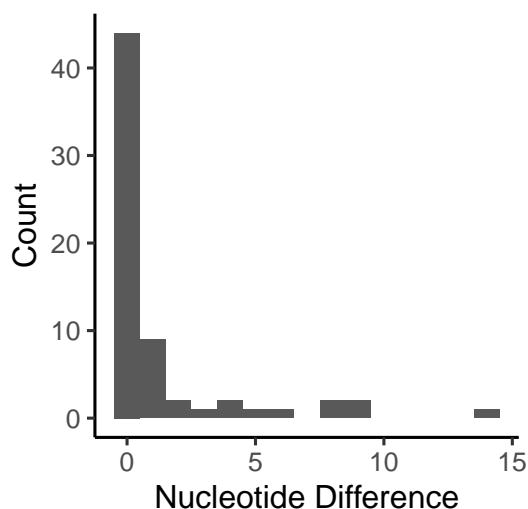
IGKV2-18*01

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



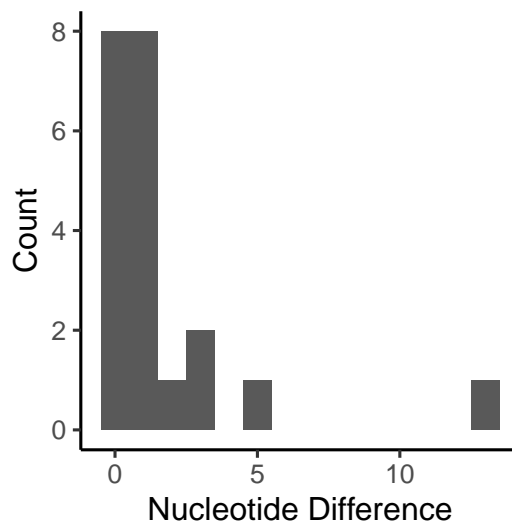
IGKV2-24*01

65 sequences assigned
44 (67.7%) exact matches, in which:
39 unique CDR3
6 unique J



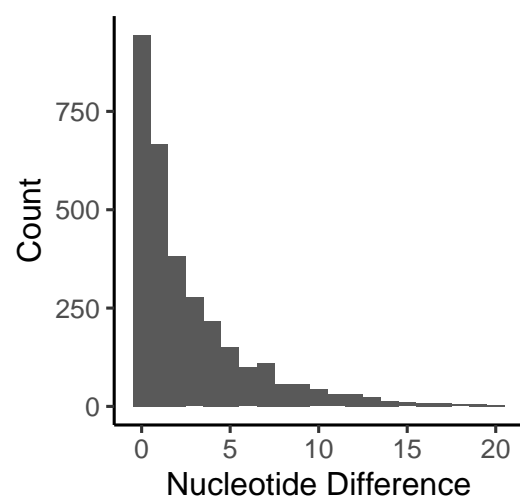
IGKV3-7*04

21 sequences assigned
8 (38.1%) exact matches, in which:
7 unique CDR3
5 unique J



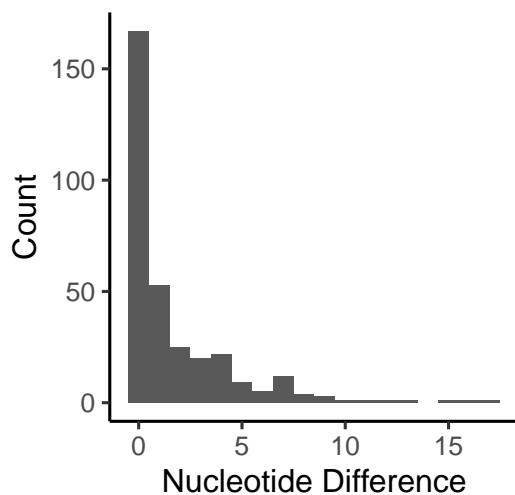
IGKV3-20*01

3163 sequences assigned
945 (29.9%) exact matches, in which:
791 unique CDR3
6 unique J



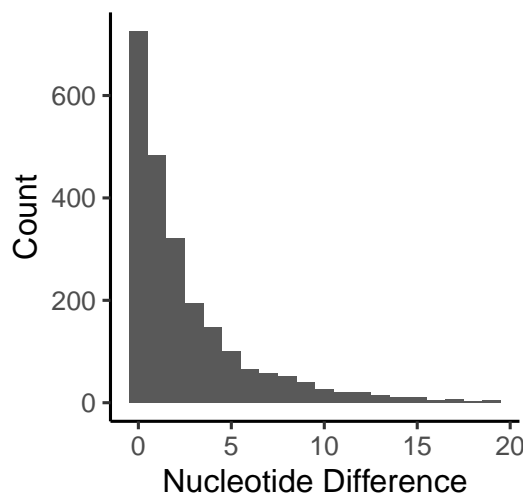
IGKV2-30*01

327 sequences assigned
167 (51.1%) exact matches, in which:
150 unique CDR3
6 unique J



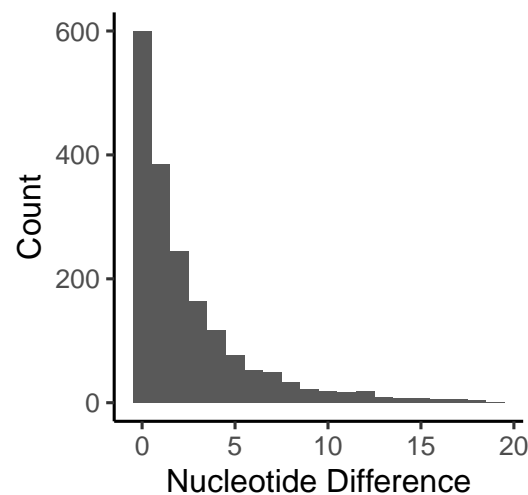
IGKV3-11*01

2317 sequences assigned
726 (31.3%) exact matches, in which:
599 unique CDR3
6 unique J



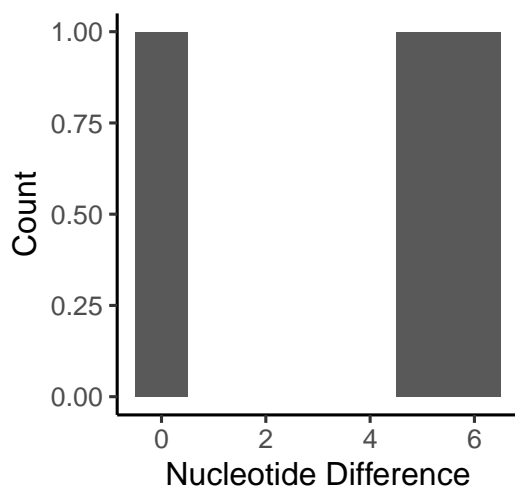
IGKV4-1*01

1840 sequences assigned
600 (32.6%) exact matches, in which:
444 unique CDR3
6 unique J



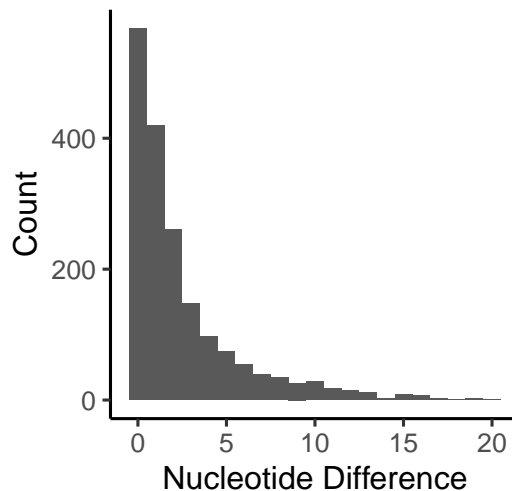
IGKV3/OR2-268*01

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



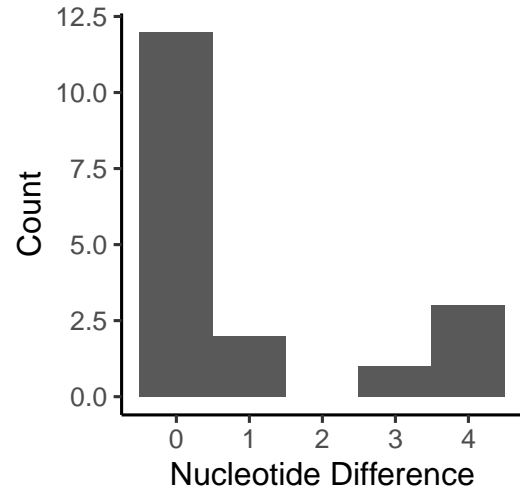
IGKV3-15*01

1818 sequences assigned
568 (31.2%) exact matches, in which:
503 unique CDR3
6 unique J



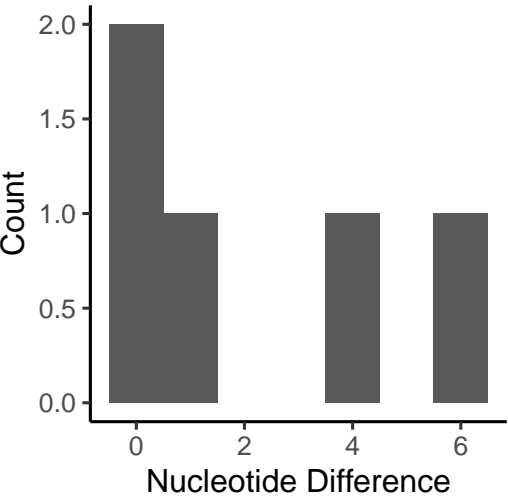
IGKV5-2*01

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



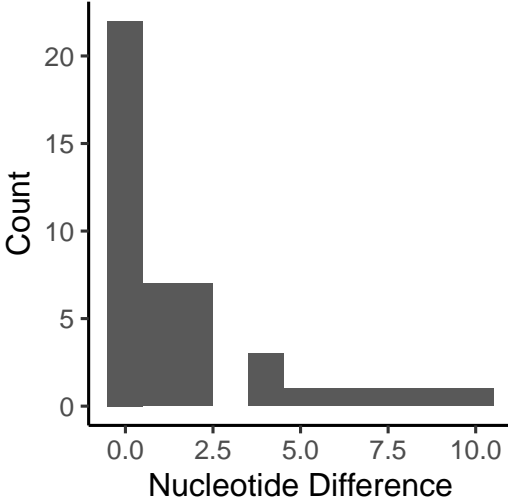
IGKV7-3*01

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
1 unique J



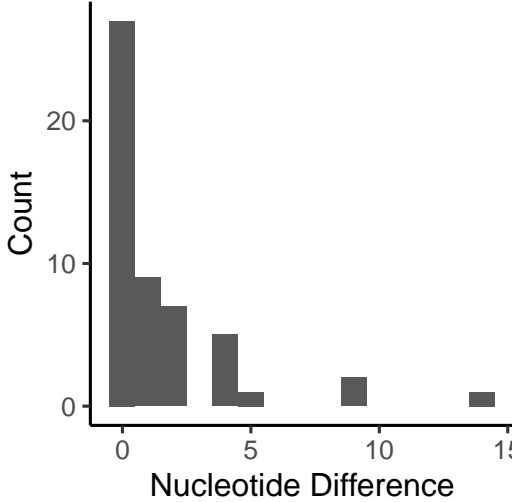
IGKV3D-11*02

45 sequences assigned
22 (48.9%) exact matches, in which:
21 unique CDR3
5 unique J



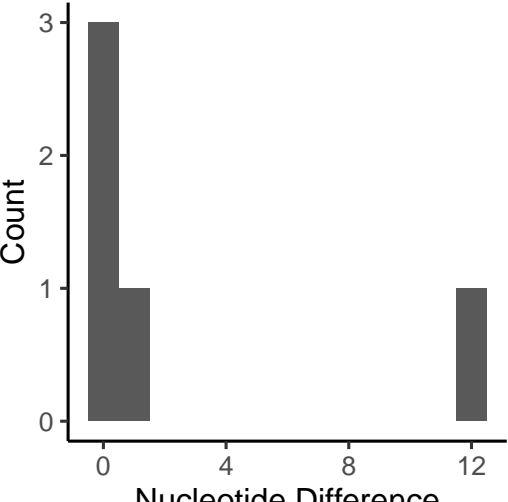
IGKV1D-16*01

52 sequences assigned
27 (51.9%) exact matches, in which:
24 unique CDR3
6 unique J



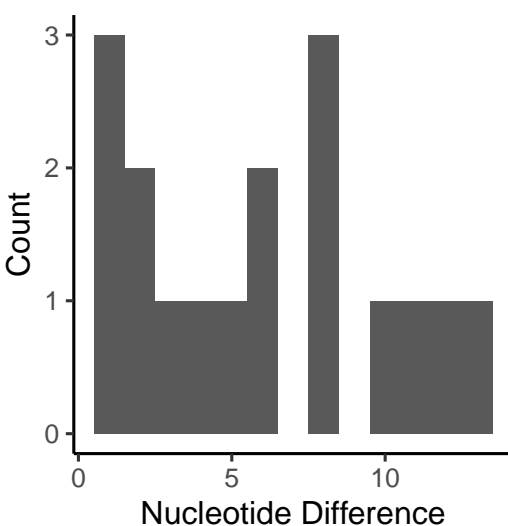
IGKV3D-7*01

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



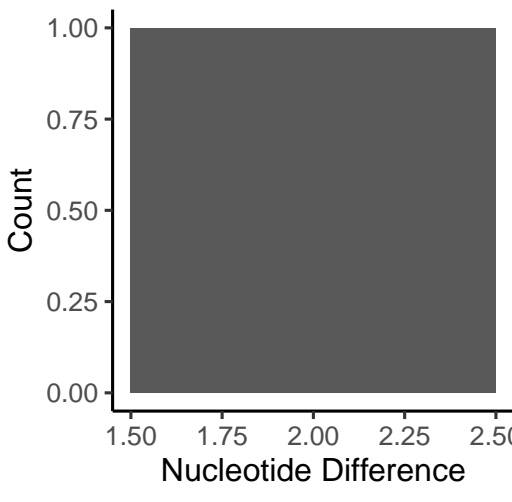
IGKV3D-15*01

17 sequences assigned
No exact matches.



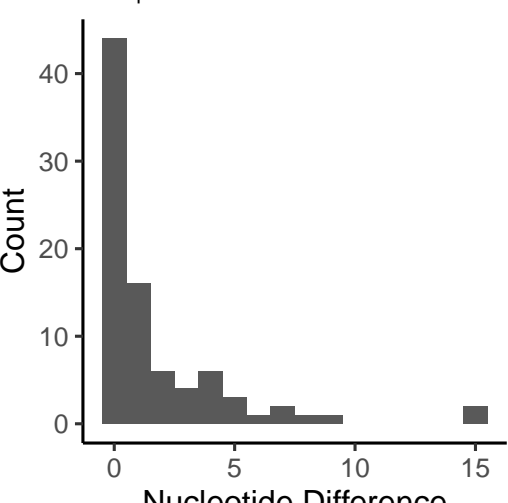
IGKV1D-17*01

1 sequences assigned
No exact matches.



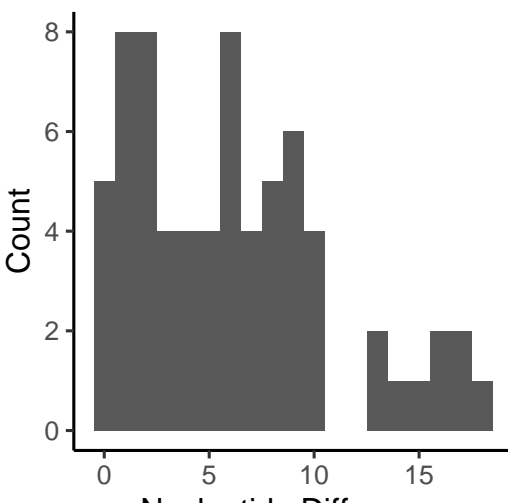
IGKV1D-8*01

86 sequences assigned
44 (51.2%) exact matches, in which:
38 unique CDR3
6 unique J



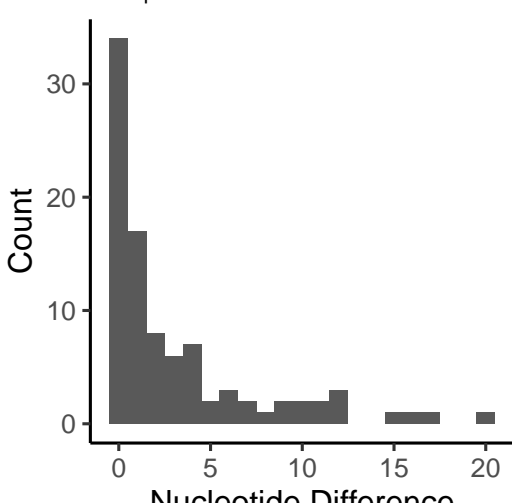
IGKV3D-15*01_C210G

69 sequences assigned
5 (7.2%) exact matches, in which:
5 unique CDR3
3 unique J



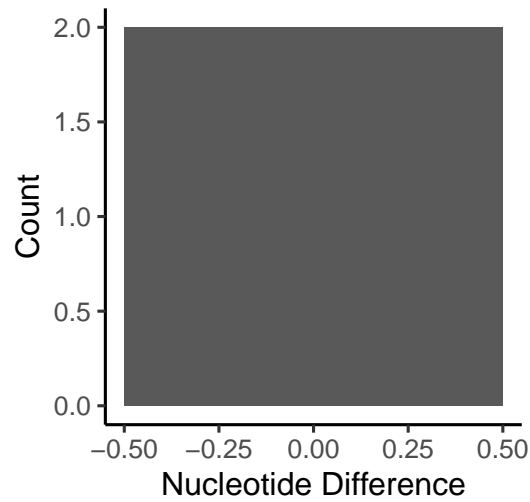
IGKV3D-20*01

94 sequences assigned
34 (36.2%) exact matches, in which:
32 unique CDR3
6 unique J



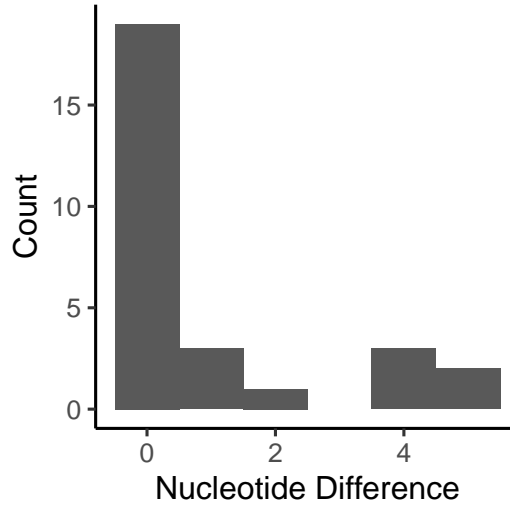
IGKV2D-24*01

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



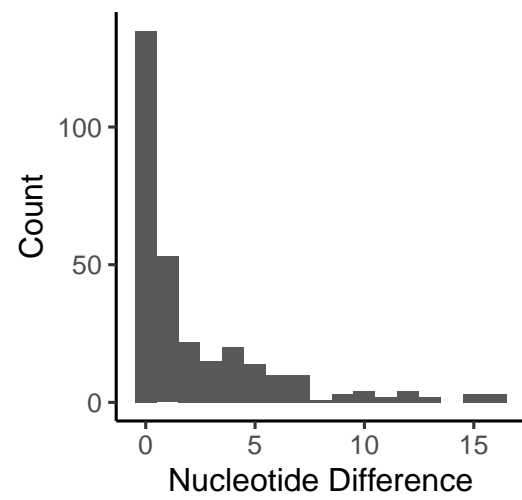
IGKV2D-30*01

28 sequences assigned
19 (67.9%) exact matches, in which:
18 unique CDR3
5 unique J



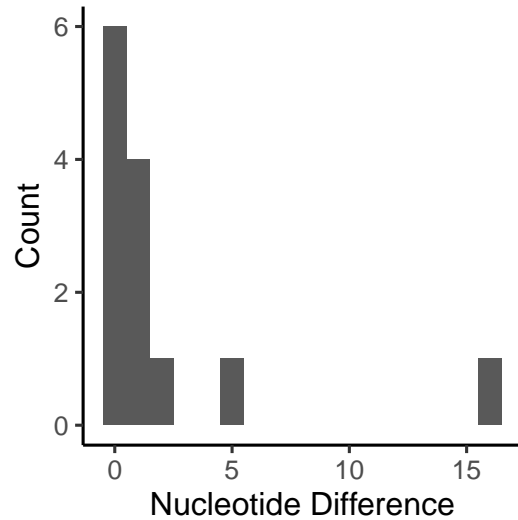
IGKV1E-12*01

302 sequences assigned
135 (44.7%) exact matches, in which:
115 unique CDR3
6 unique J



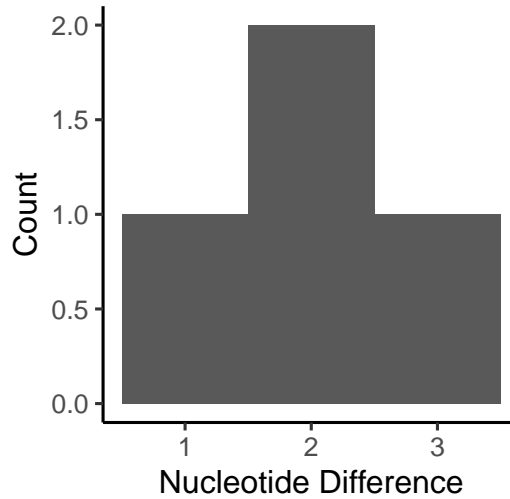
IGKV2D-26*03

13 sequences assigned
6 (46.2%) exact matches, in which:
6 unique CDR3
2 unique J



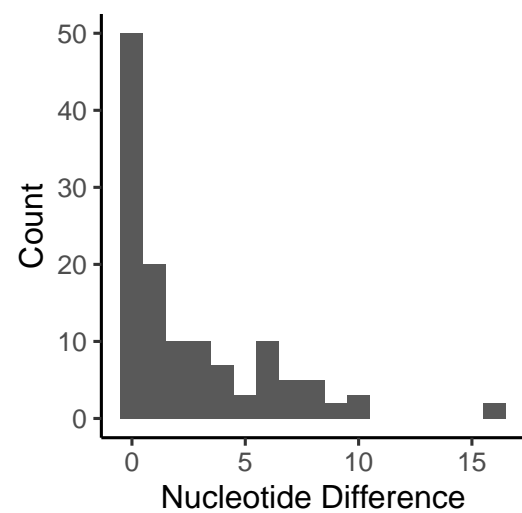
IGKV6D-41*01

4 sequences assigned
No exact matches.



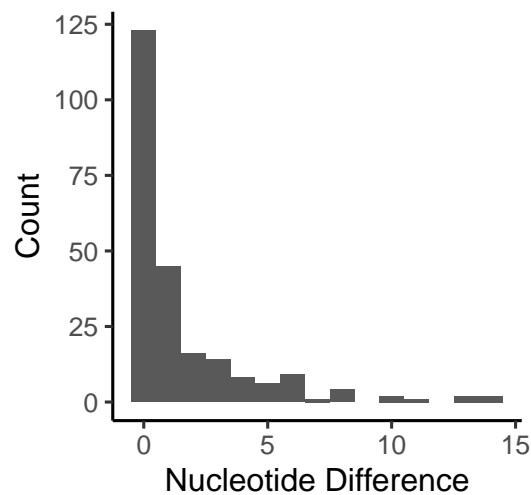
IGKV1E-12*03

128 sequences assigned
50 (39.1%) exact matches, in which:
42 unique CDR3
6 unique J



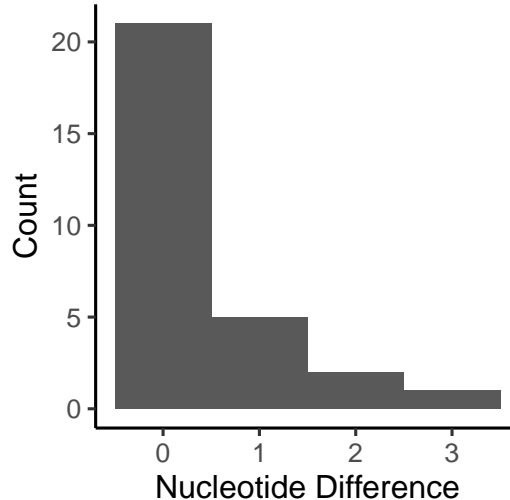
IGKV2D-29*01

233 sequences assigned
123 (52.8%) exact matches, in which:
109 unique CDR3
6 unique J



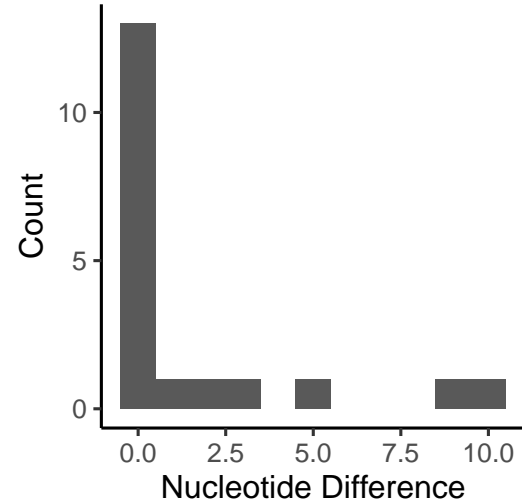
IGKV1D-43*01

29 sequences assigned
21 (72.4%) exact matches, in which:
20 unique CDR3
6 unique J



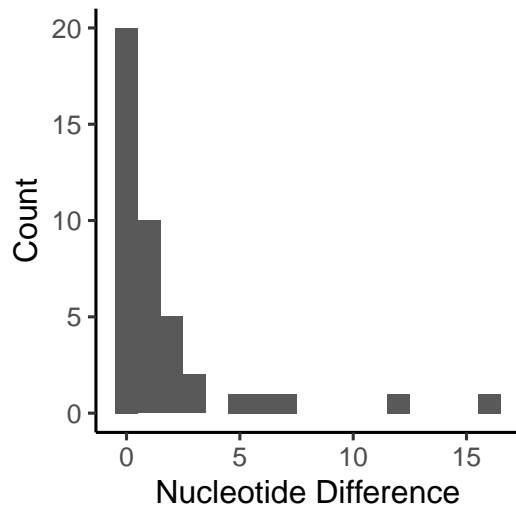
IGKV1E-13*03

19 sequences assigned
13 (68.4%) exact matches, in which:
13 unique CDR3
4 unique J



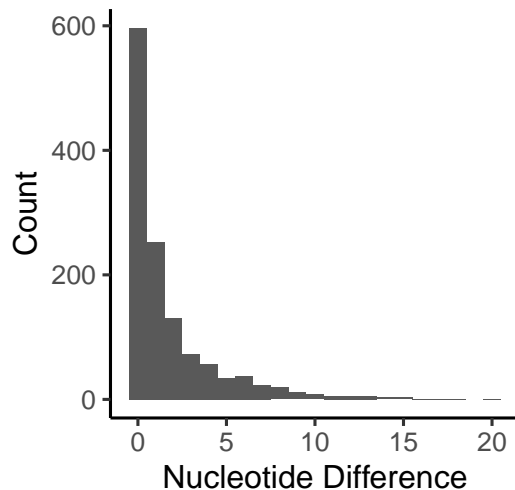
IGKV6E-21*01

42 sequences assigned
20 (47.6%) exact matches, in which:
18 unique CDR3
4 unique J



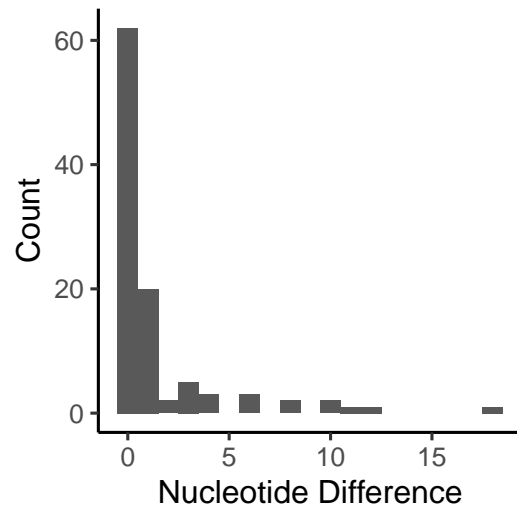
IGKV1E-33*01

1271 sequences assigned
597 (47%) exact matches, in which:
497 unique CDR3
6 unique J



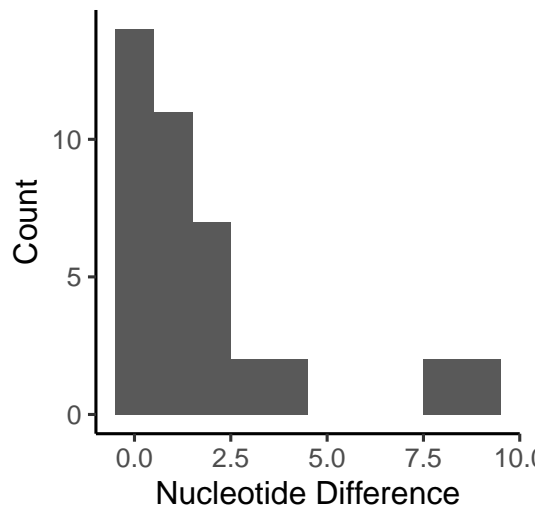
IGKV2E-40*01

102 sequences assigned
62 (60.8%) exact matches, in which:
56 unique CDR3
6 unique J



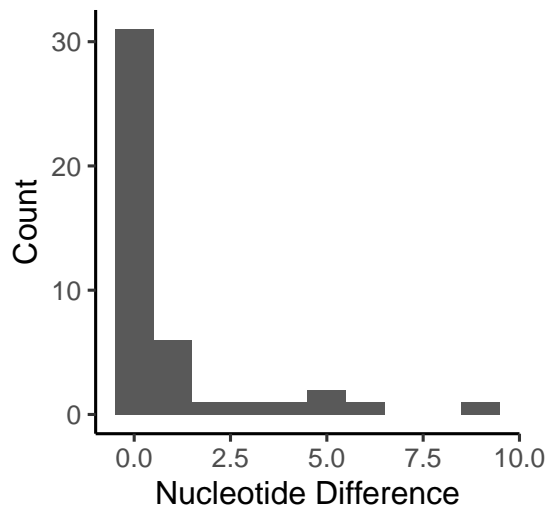
IGKV6E-21*03

40 sequences assigned
14 (35%) exact matches, in which:
13 unique CDR3
5 unique J



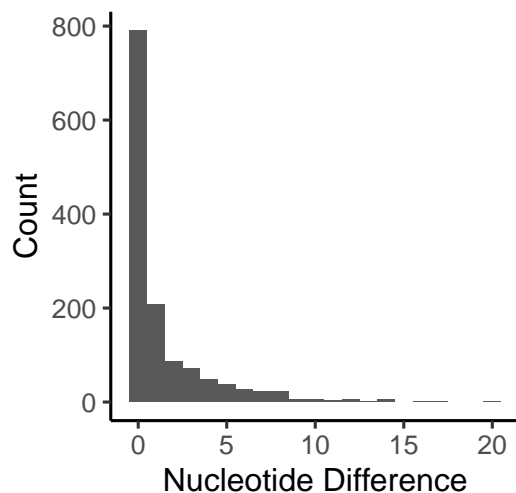
IGKV1E-37*01

44 sequences assigned
31 (70.5%) exact matches, in which:
30 unique CDR3
5 unique J



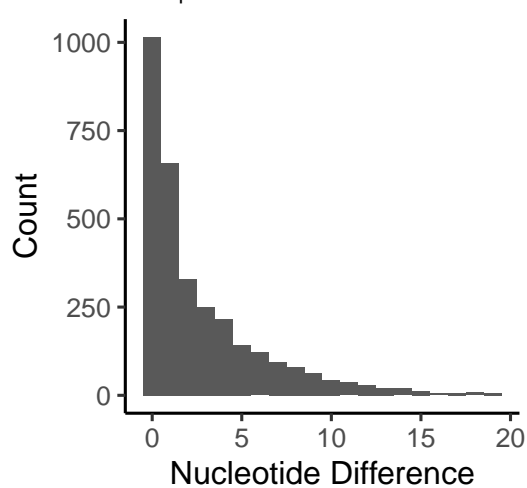
IGKV2E-28*01

1343 sequences assigned
791 (58.9%) exact matches, in which:
584 unique CDR3
6 unique J

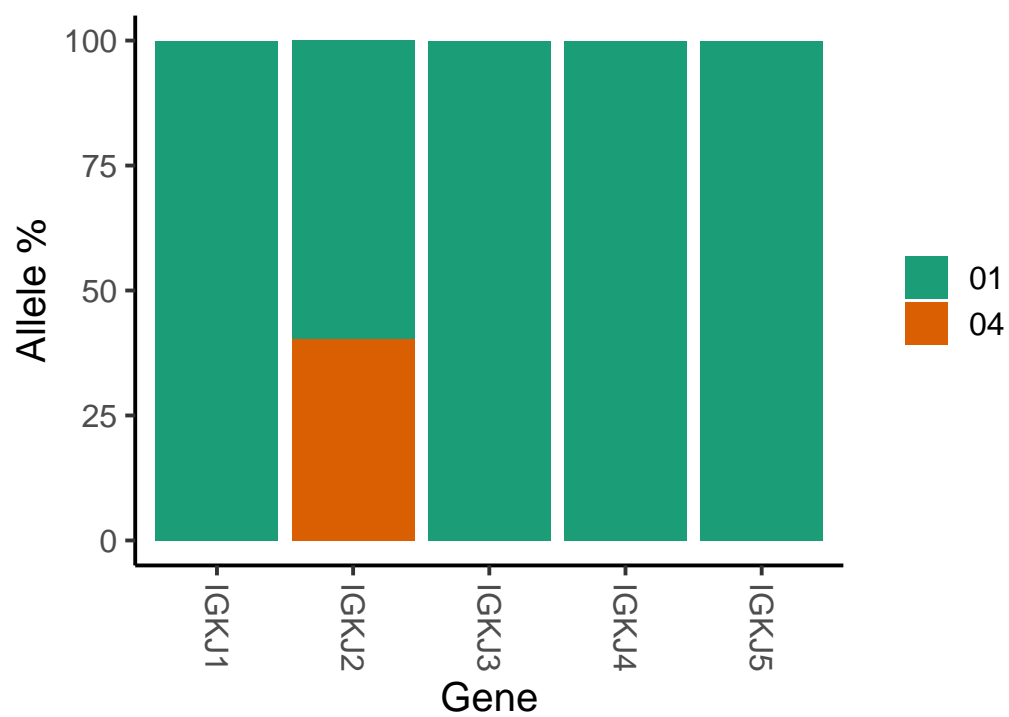


IGKV1E-39*01

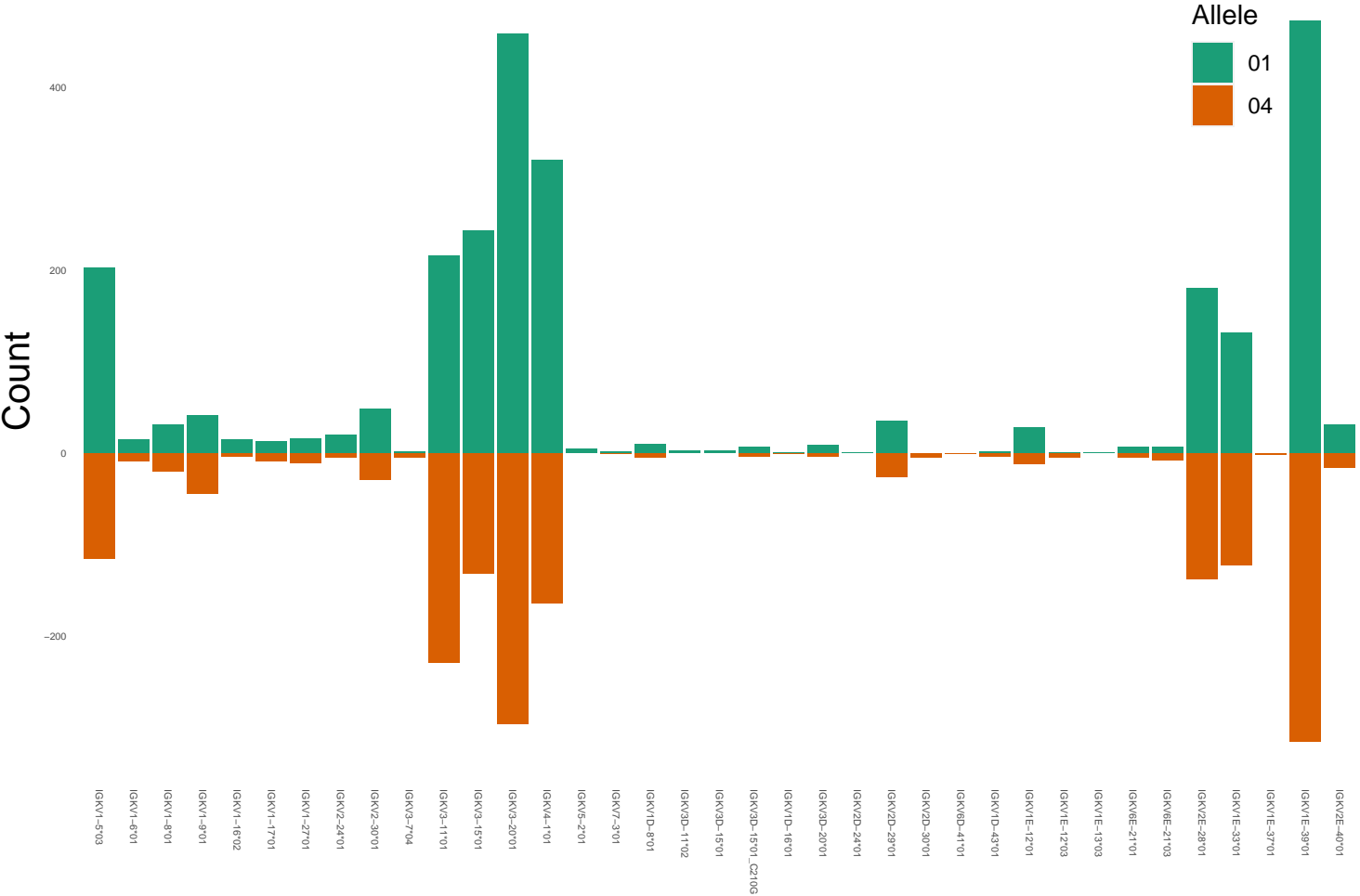
3167 sequences assigned
1015 (32%) exact matches, in which:
824 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGKJ2 allele usage



Warning – no inferred sequences found.