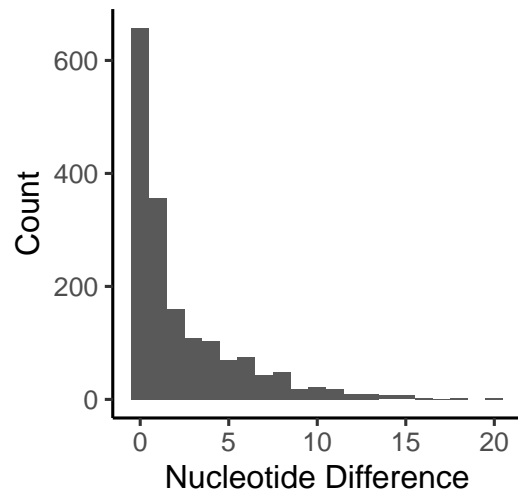


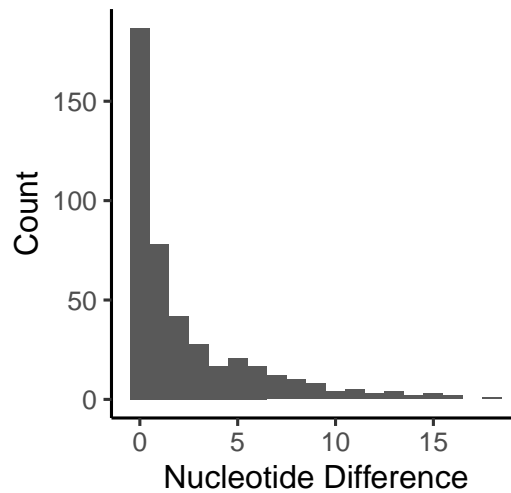
IGKV1-5*03

1725 sequences assigned
658 (38.1%) exact matches, in which:
534 unique CDR3
5 unique J



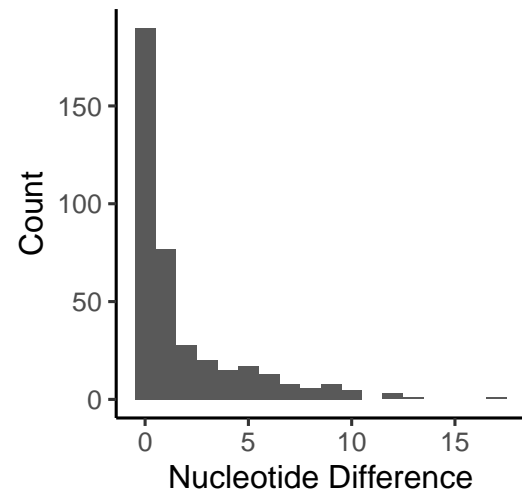
IGKV1-9*01

444 sequences assigned
187 (42.1%) exact matches, in which:
167 unique CDR3
5 unique J



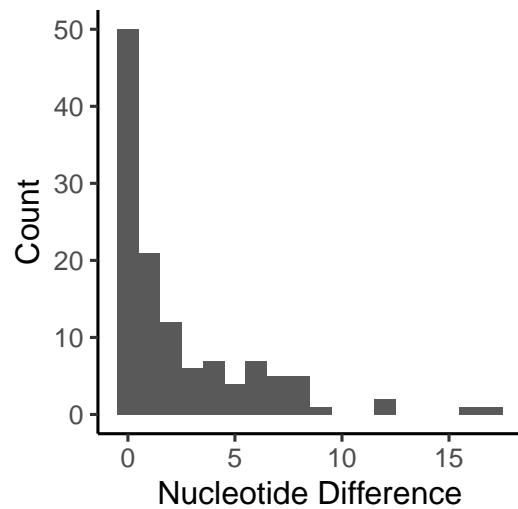
IGKV1-27*01

392 sequences assigned
190 (48.5%) exact matches, in which:
163 unique CDR3
5 unique J



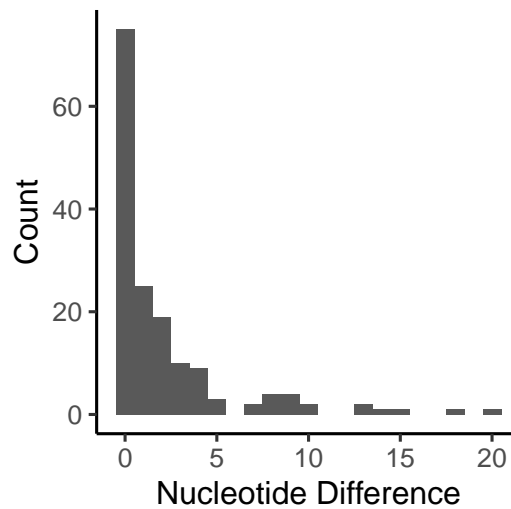
IGKV1-6*01

122 sequences assigned
50 (41%) exact matches, in which:
42 unique CDR3
5 unique J



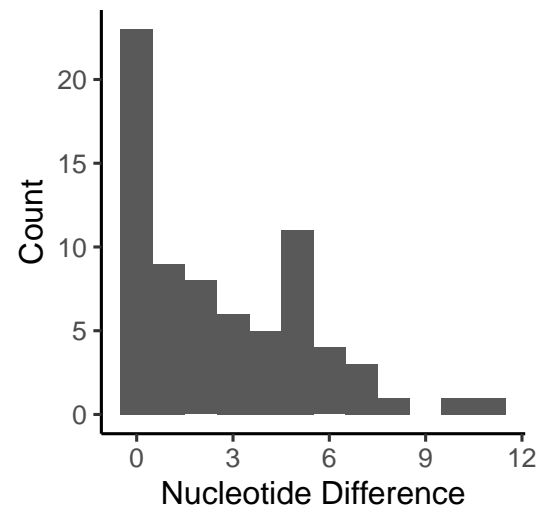
IGKV1-16*02

160 sequences assigned
75 (46.9%) exact matches, in which:
62 unique CDR3
5 unique J



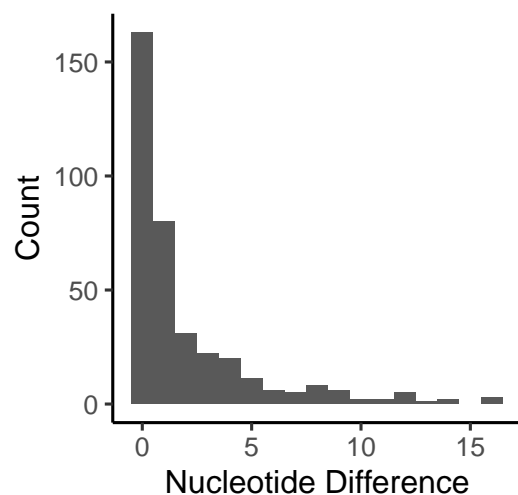
IGKV1-27*01_T222C

74 sequences assigned
23 (31.1%) exact matches, in which:
23 unique CDR3
5 unique J



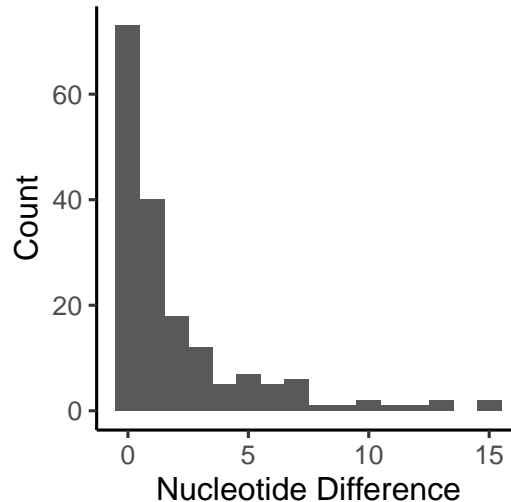
IGKV1-8*01

367 sequences assigned
163 (44.4%) exact matches, in which:
132 unique CDR3
5 unique J



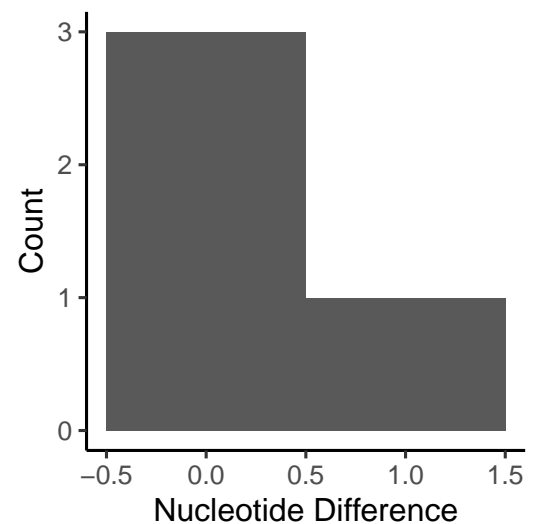
IGKV1-17*01

176 sequences assigned
73 (41.5%) exact matches, in which:
60 unique CDR3
5 unique J



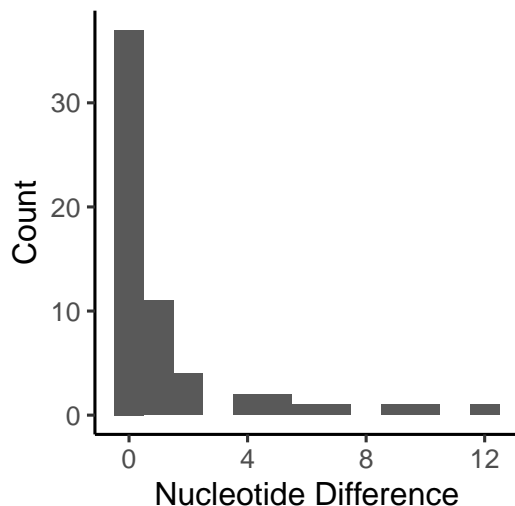
IGKV2-18*01

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



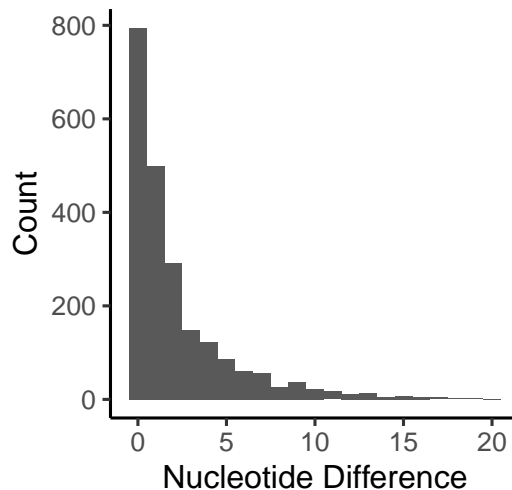
IGKV2-24*01

62 sequences assigned
37 (59.7%) exact matches, in which:
35 unique CDR3
5 unique J



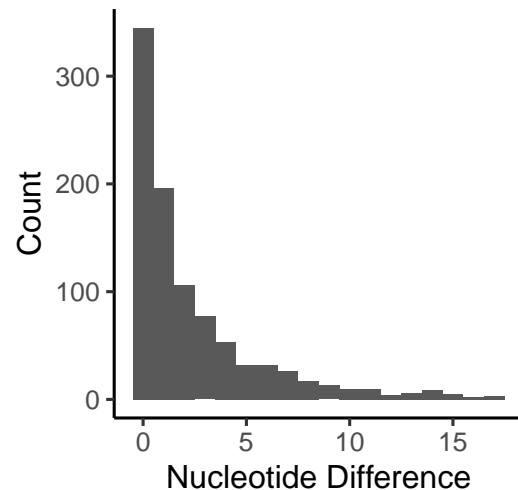
IGKV3-11*01

2219 sequences assigned
795 (35.8%) exact matches, in which:
646 unique CDR3
5 unique J



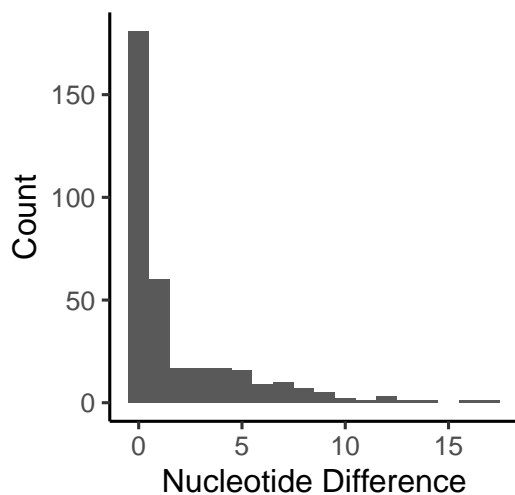
IGKV3-15*01_C141G

947 sequences assigned
345 (36.4%) exact matches, in which:
300 unique CDR3
5 unique J



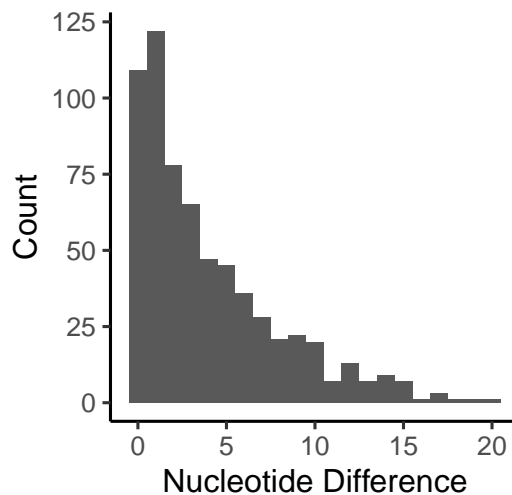
IGKV2-30*01

349 sequences assigned
181 (51.9%) exact matches, in which:
164 unique CDR3
5 unique J



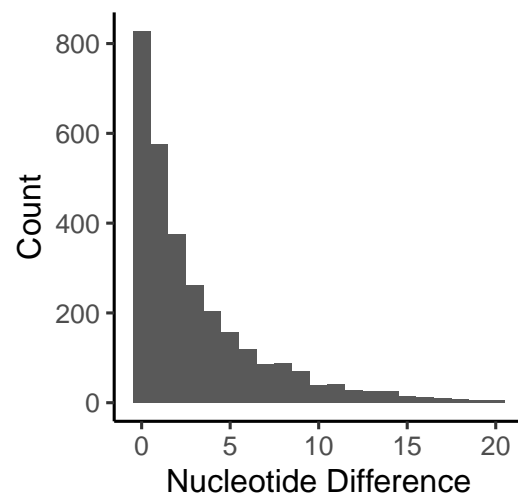
IGKV3-11*01_A211C

644 sequences assigned
109 (16.9%) exact matches, in which:
107 unique CDR3
5 unique J



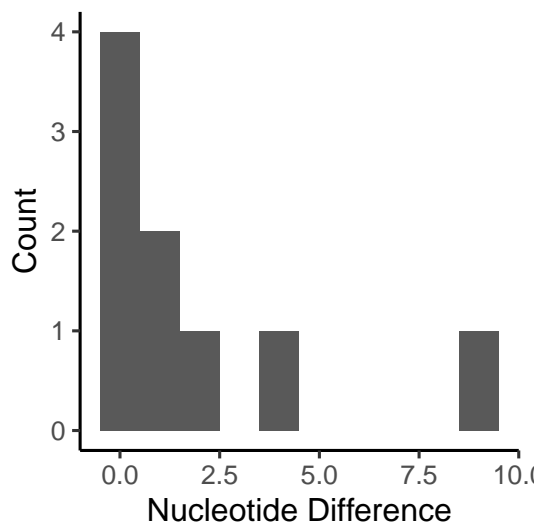
IGKV3-20*01

2989 sequences assigned
828 (27.7%) exact matches, in which:
684 unique CDR3
5 unique J



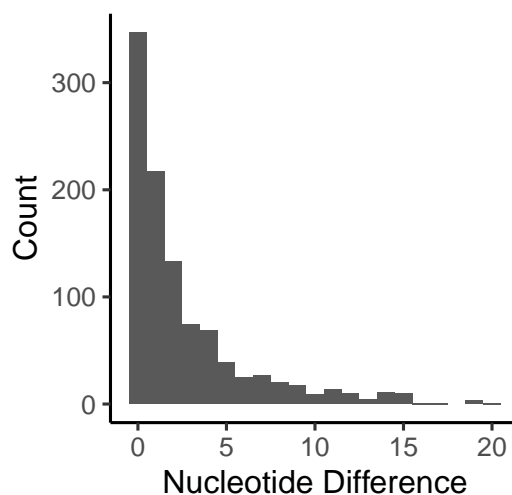
IGKV3-7*04

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



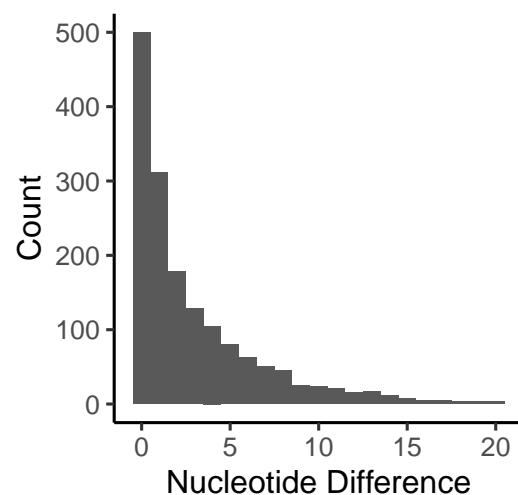
IGKV3-15*01

1033 sequences assigned
347 (33.6%) exact matches, in which:
293 unique CDR3
5 unique J



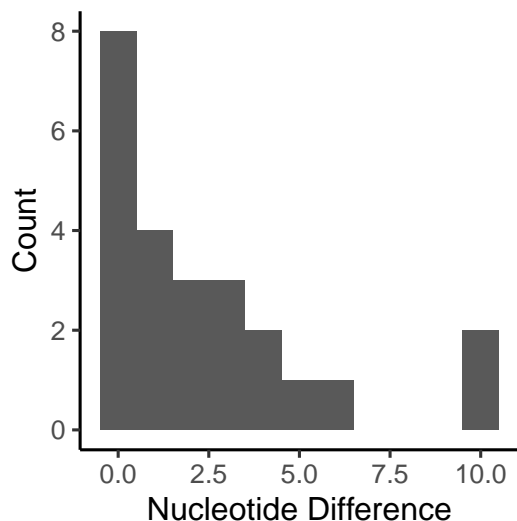
IGKV4-1*01

1615 sequences assigned
500 (31%) exact matches, in which:
354 unique CDR3
5 unique J



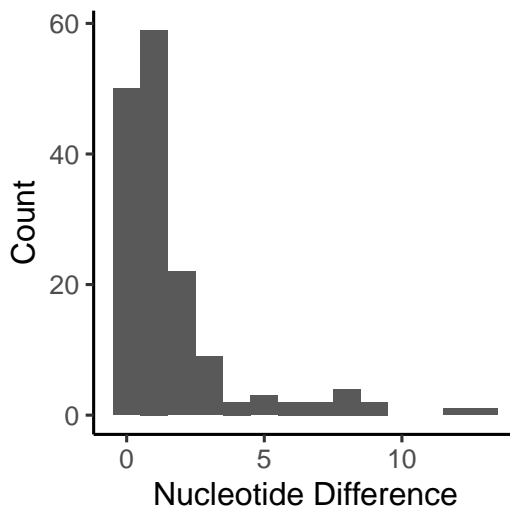
IGKV5–2*01

24 sequences assigned
8 (33.3%) exact matches, in which:
7 unique CDR3
3 unique J



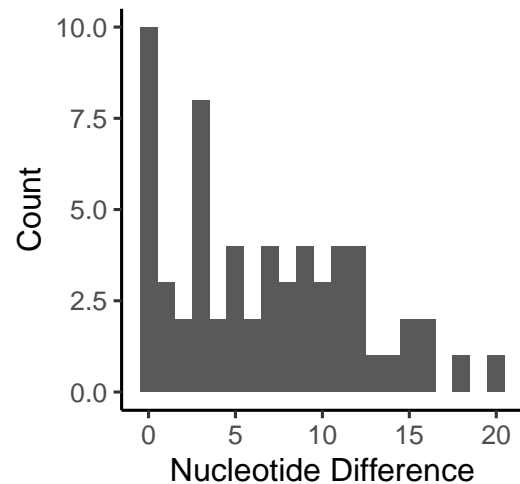
IGKV1D–8*01

157 sequences assigned
50 (31.8%) exact matches, in which:
37 unique CDR3
5 unique J



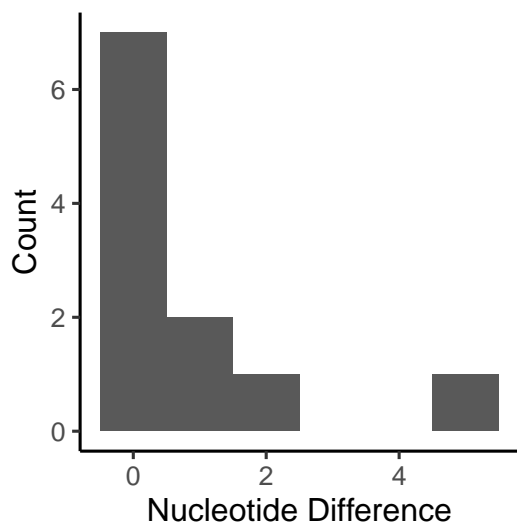
IGKV3D–15*01_C141G_

61 sequences assigned
10 (16.4%) exact matches, in which:
10 unique CDR3
4 unique J



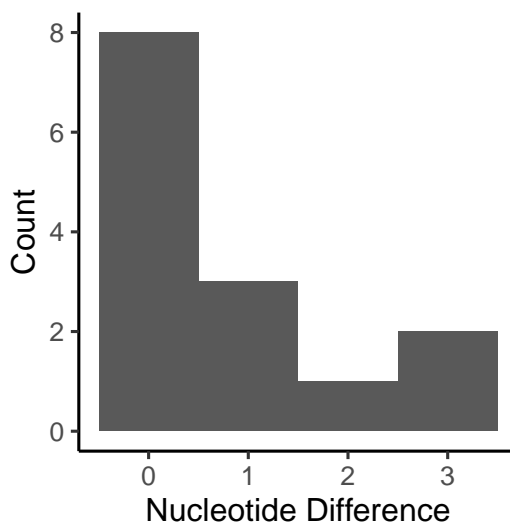
IGKV7–3*01

11 sequences assigned
7 (63.6%) exact matches, in which:
7 unique CDR3
3 unique J



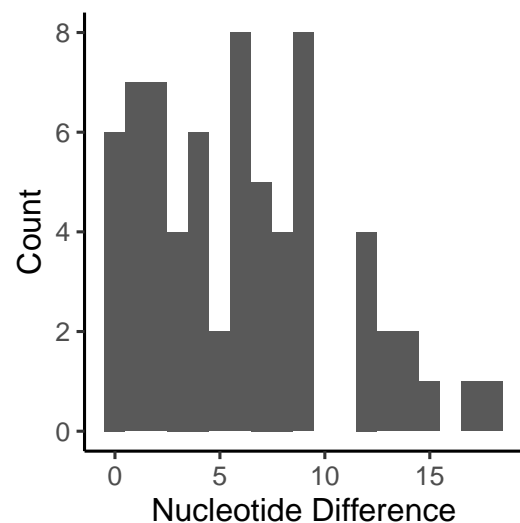
IGKV3D–11*01

14 sequences assigned
8 (57.1%) exact matches, in which:
8 unique CDR3
4 unique J



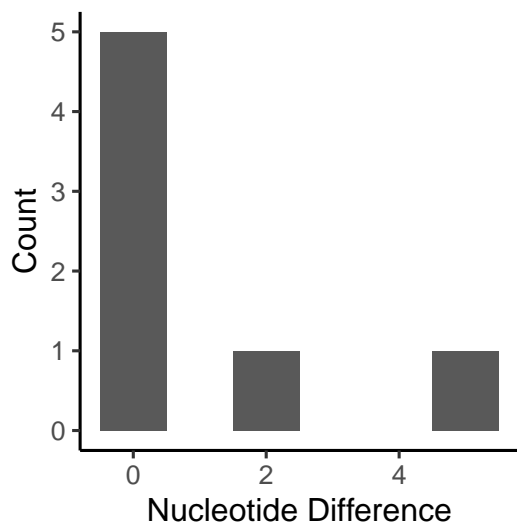
IGKV3D–15*01_C210G

68 sequences assigned
6 (8.8%) exact matches, in which:
6 unique CDR3
4 unique J



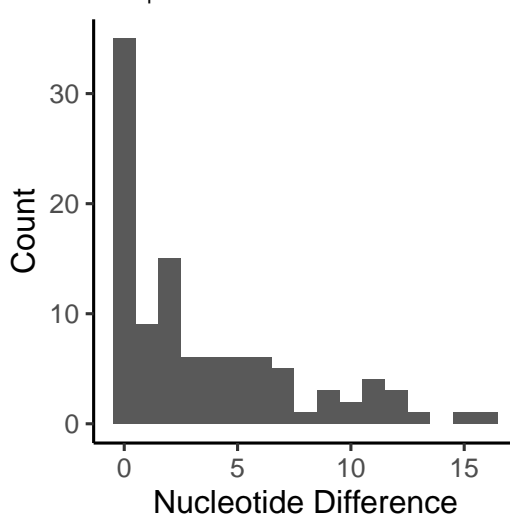
IGKV3D–7*01

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



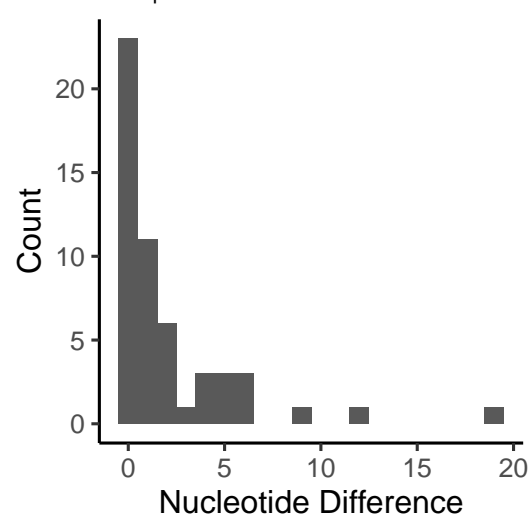
IGKV3D–15*01

105 sequences assigned
35 (33.3%) exact matches, in which:
34 unique CDR3
5 unique J



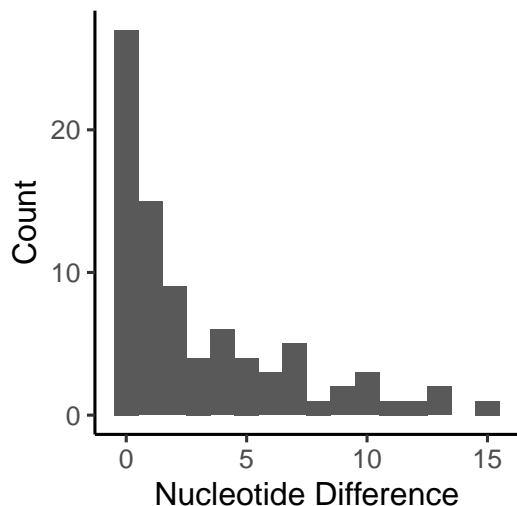
IGKV1D–16*01

53 sequences assigned
23 (43.4%) exact matches, in which:
20 unique CDR3
5 unique J



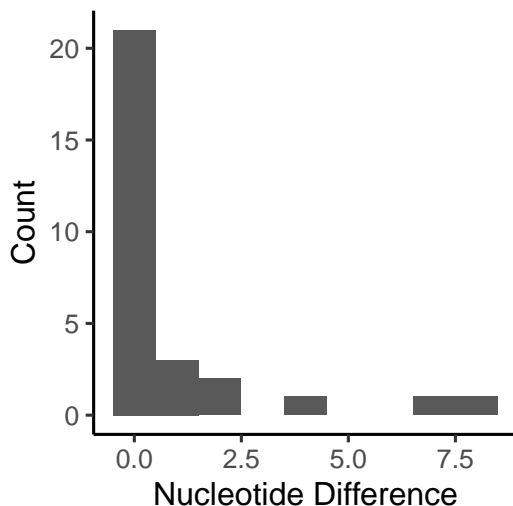
IGKV3D-20*01

84 sequences assigned
27 (32.1%) exact matches, in which:
27 unique CDR3
5 unique J



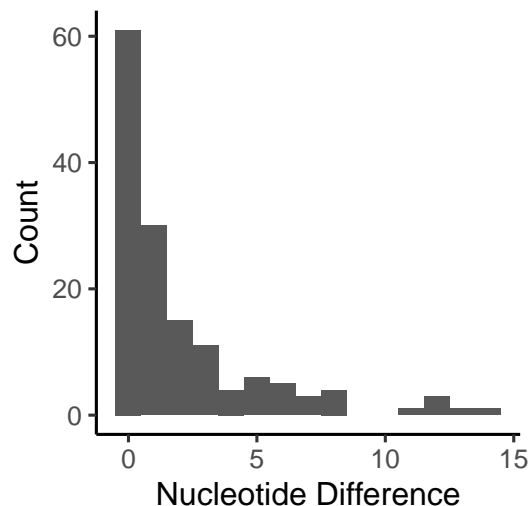
IGKV2D-30*01

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



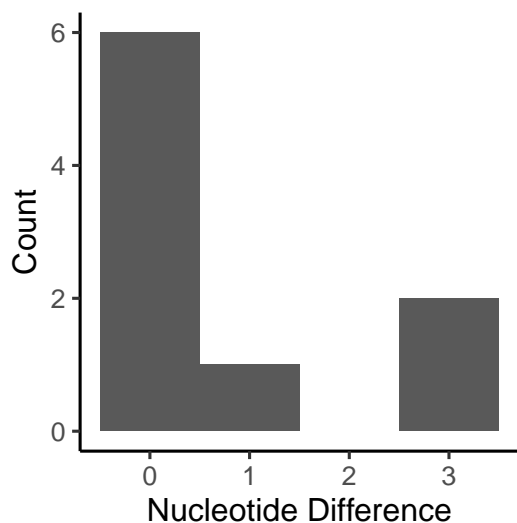
IGKV1E-12*01

146 sequences assigned
61 (41.8%) exact matches, in which:
49 unique CDR3
5 unique J



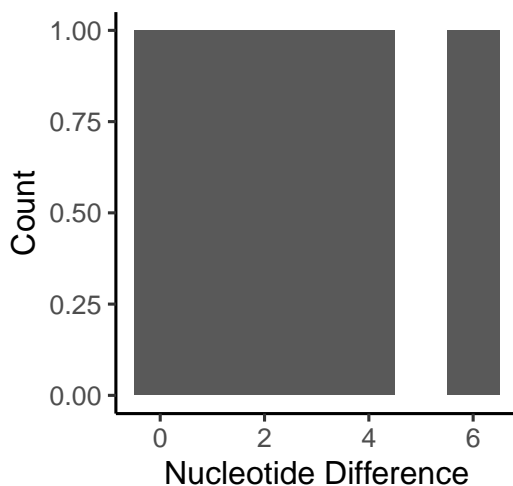
IGKV2D-26*03

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



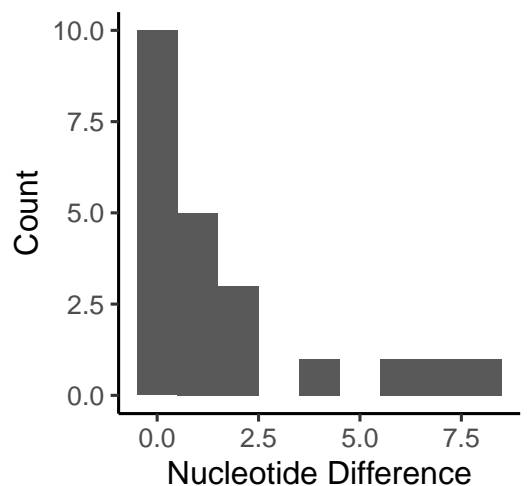
IGKV6D-41*01

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



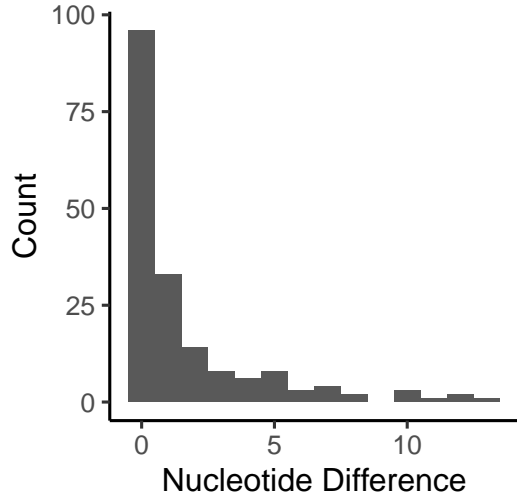
IGKV1E-12*02

22 sequences assigned
10 (45.5%) exact matches, in which:
9 unique CDR3
5 unique J



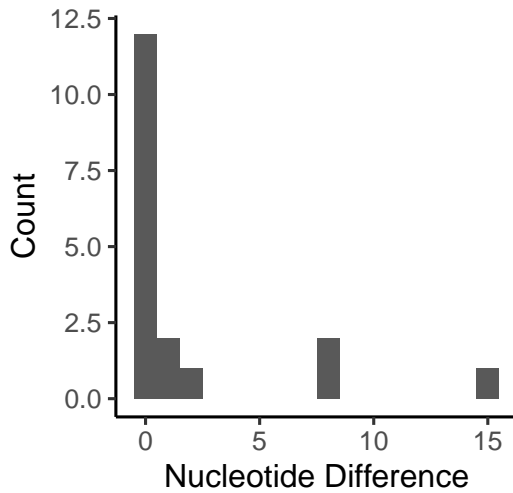
IGKV2D-29*01

181 sequences assigned
96 (53%) exact matches, in which:
86 unique CDR3
5 unique J



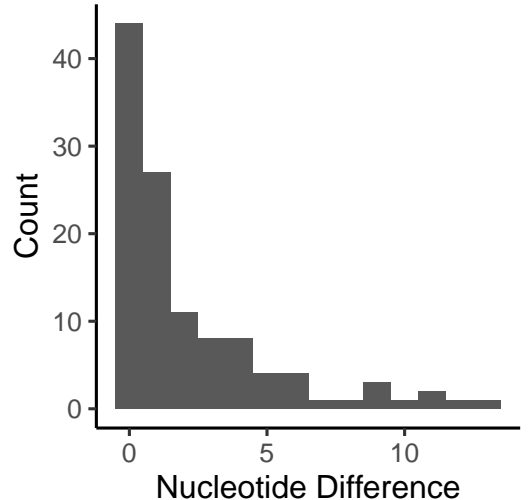
IGKV1D-43*01

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



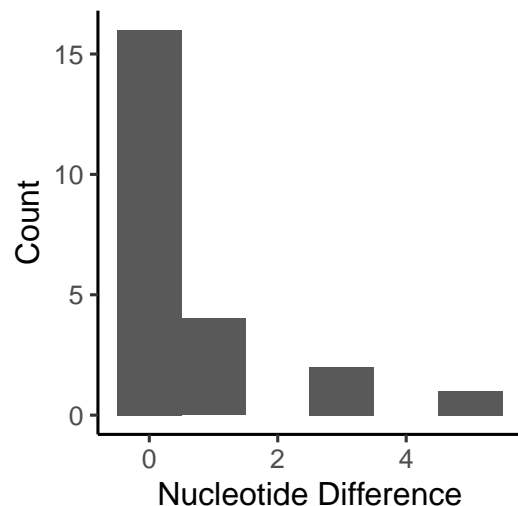
IGKV1E-12*03

116 sequences assigned
44 (37.9%) exact matches, in which:
39 unique CDR3
5 unique J



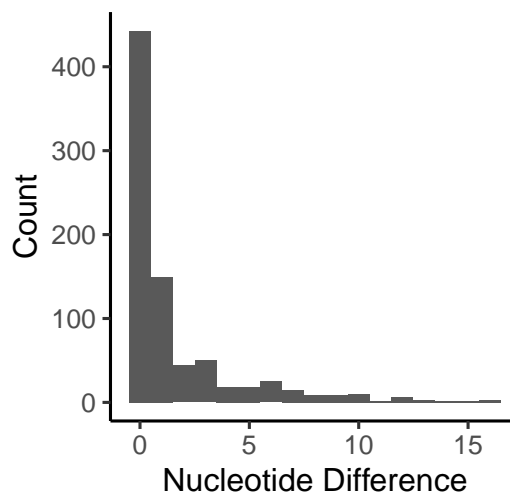
IGKV1E-13*03

23 sequences assigned
16 (69.6%) exact matches, in which:
14 unique CDR3
4 unique J



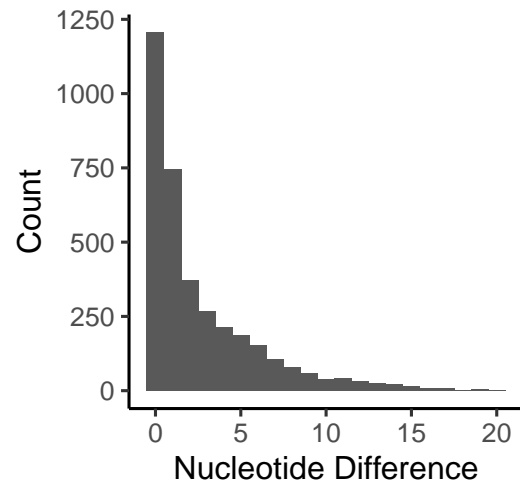
IGKV2E-28*01

809 sequences assigned
443 (54.8%) exact matches, in which:
362 unique CDR3
5 unique J



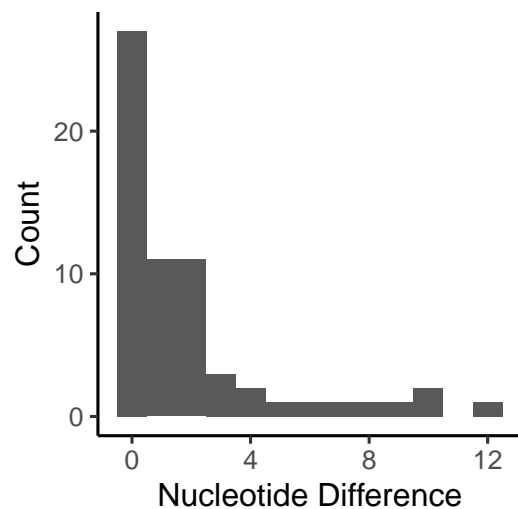
IGKV1E-39*01

3595 sequences assigned
1206 (33.5%) exact matches, in which:
969 unique CDR3
5 unique J



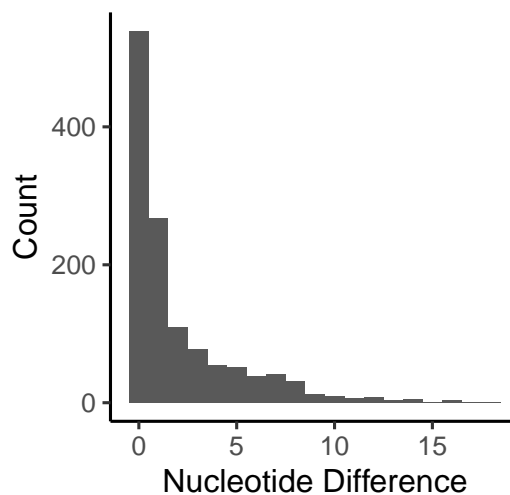
IGKV6E-21*01

63 sequences assigned
27 (42.9%) exact matches, in which:
23 unique CDR3
5 unique J



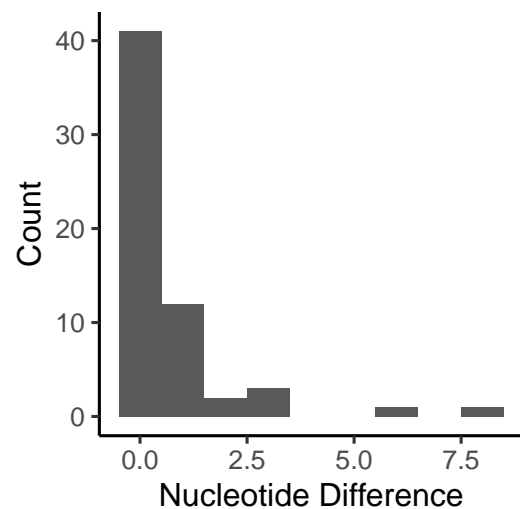
IGKV1E-33*01

1263 sequences assigned
539 (42.7%) exact matches, in which:
445 unique CDR3
5 unique J



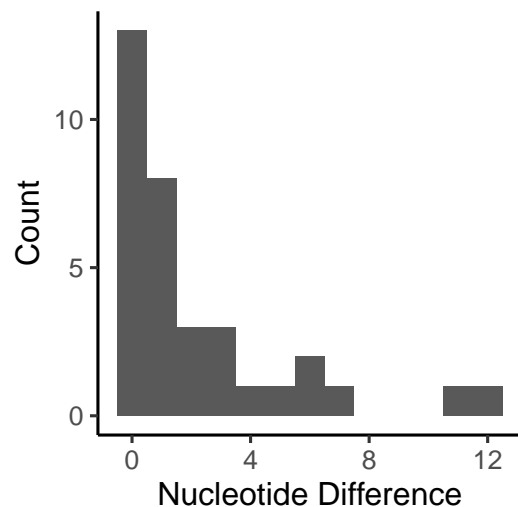
IGKV2E-40*01

60 sequences assigned
41 (68.3%) exact matches, in which:
34 unique CDR3
5 unique J



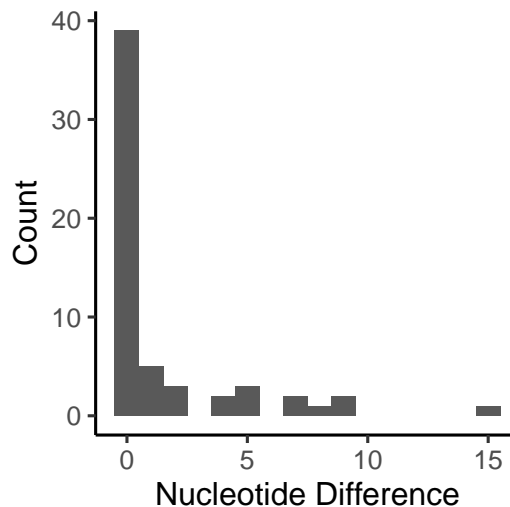
IGKV6E-21*03

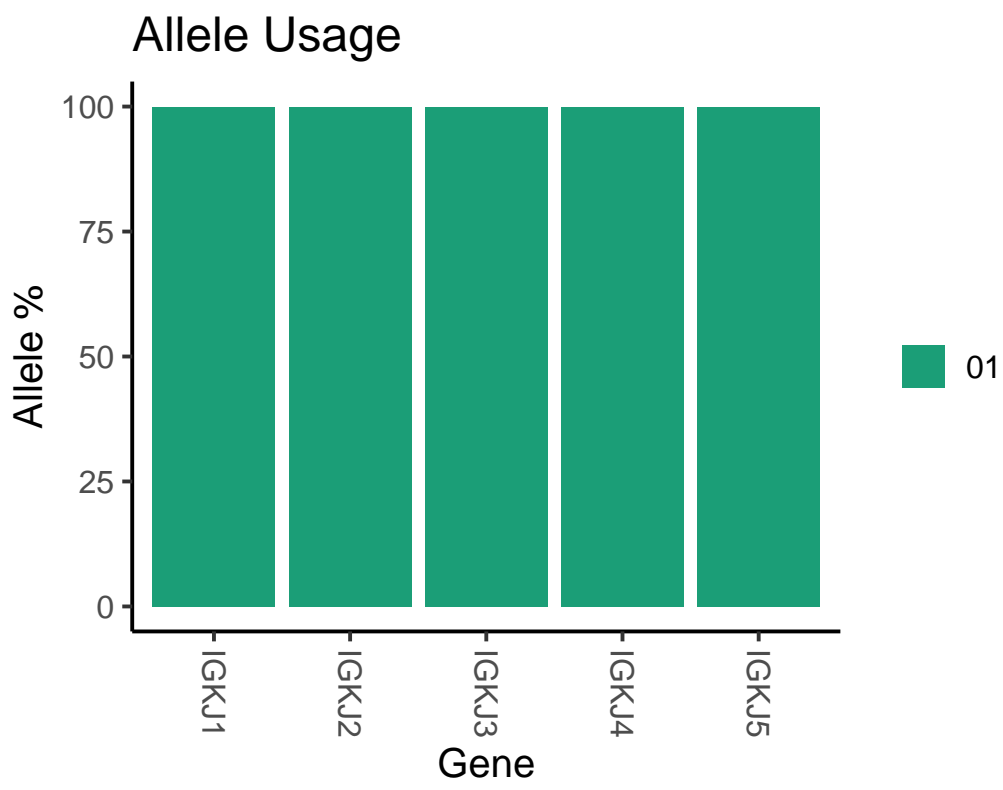
34 sequences assigned
13 (38.2%) exact matches, in which:
11 unique CDR3
4 unique J



IGKV1E-37*01

58 sequences assigned
39 (67.2%) exact matches, in which:
37 unique CDR3
5 unique J





Warning – no inferred sequences found.