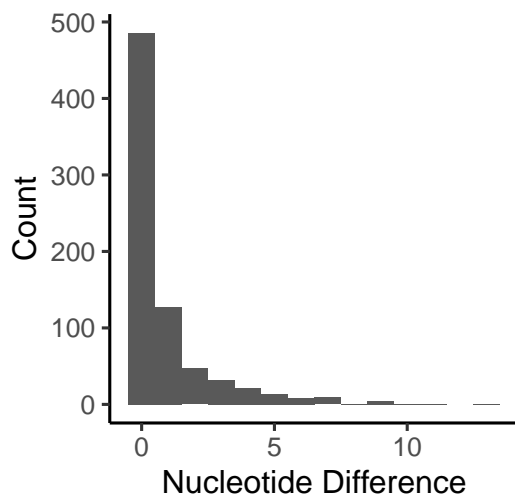


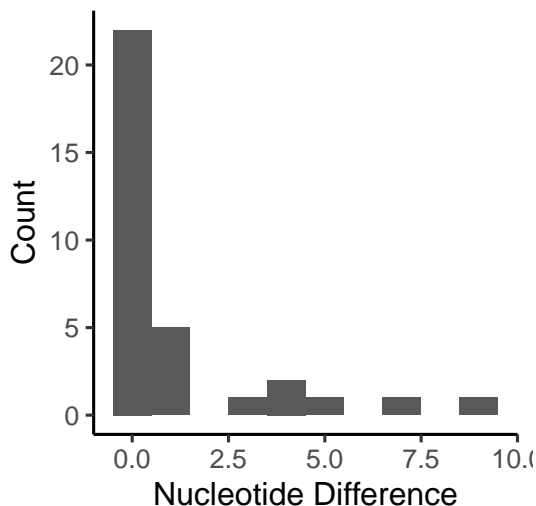
IGKV1-5*01

752 sequences assigned
486 (64.6%) exact matches, in which:
433 unique CDR3
5 unique J



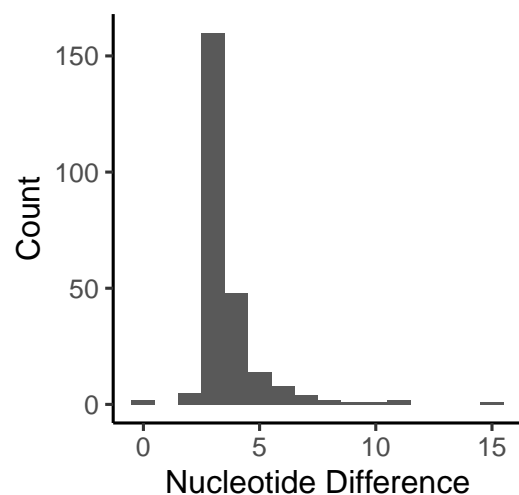
IGKV1-6*01_G9A

33 sequences assigned
22 (66.7%) exact matches, in which:
21 unique CDR3
5 unique J



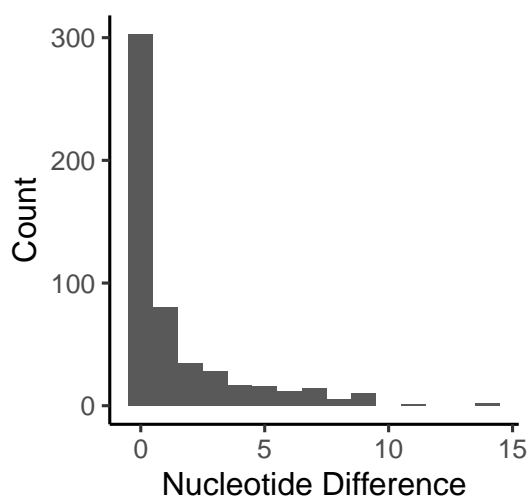
IGKV1-9*01

248 sequences assigned
2 (0.8%) exact matches, in which:
2 unique CDR3
1 unique J



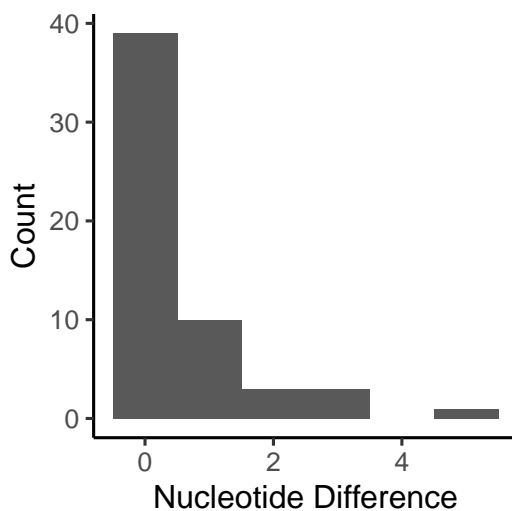
IGKV1-5*03_G171A

523 sequences assigned
303 (57.9%) exact matches, in which:
279 unique CDR3
5 unique J



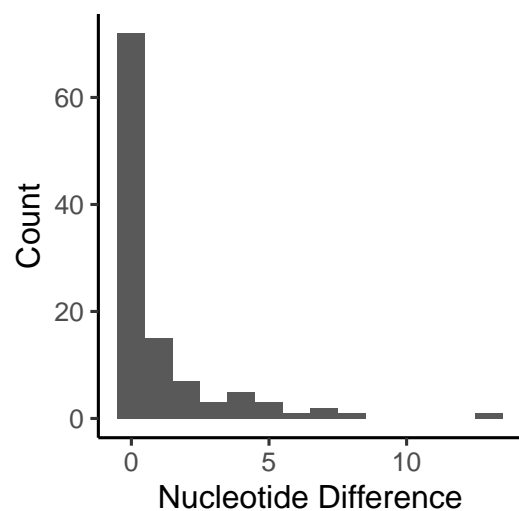
IGKV1-8*01_G12A_T31C

56 sequences assigned
39 (69.6%) exact matches, in which:
38 unique CDR3
4 unique J



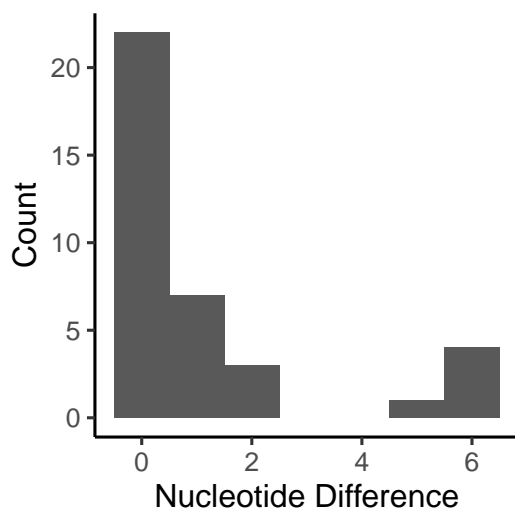
IGKV1-16*02

110 sequences assigned
72 (65.5%) exact matches, in which:
62 unique CDR3
5 unique J



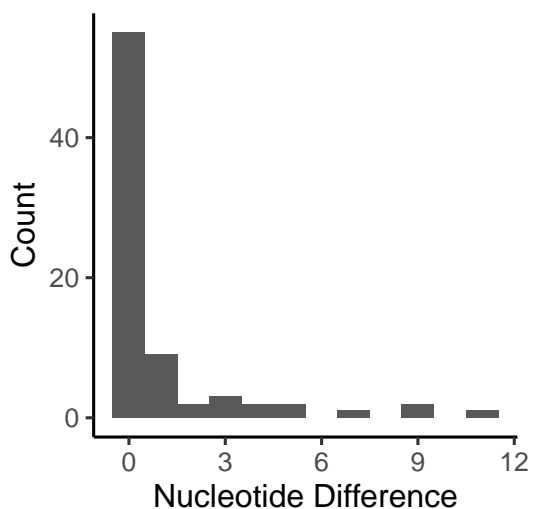
IGKV1-6*01

37 sequences assigned
22 (59.5%) exact matches, in which:
22 unique CDR3
4 unique J



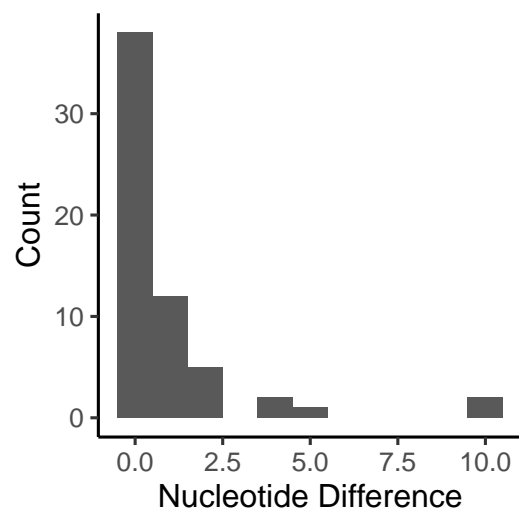
IGKV1-8*01_T31C

77 sequences assigned
55 (71.4%) exact matches, in which:
52 unique CDR3
5 unique J



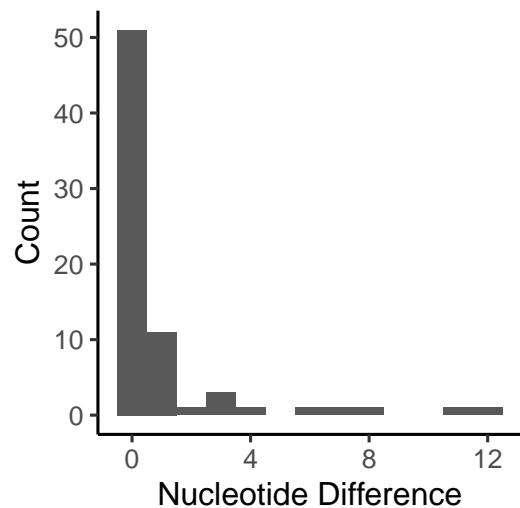
IGKV1-17*03

60 sequences assigned
38 (63.3%) exact matches, in which:
36 unique CDR3
5 unique J



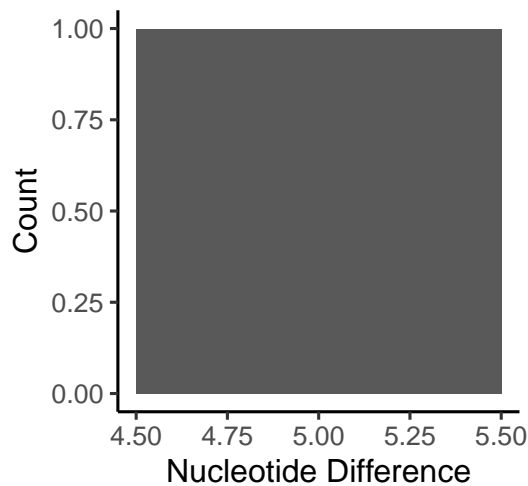
IGKV1-27*01

72 sequences assigned
51 (70.8%) exact matches, in which:
46 unique CDR3
5 unique J



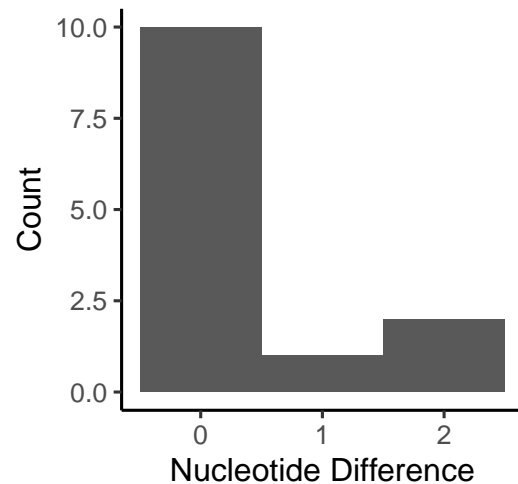
IGKV2/OR22-4*01

1 sequences assigned
No exact matches.



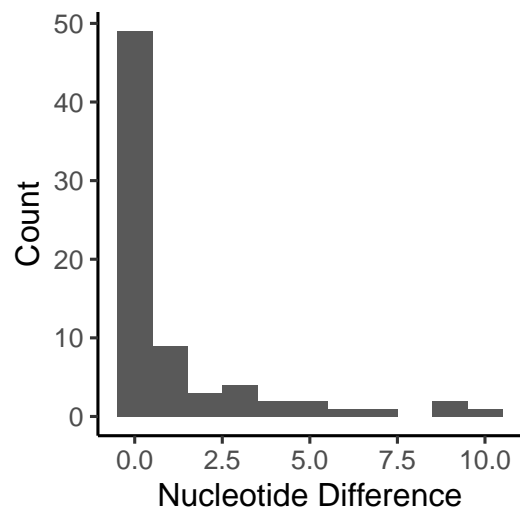
IGKV2-24*01_T314C

13 sequences assigned
10 (76.9%) exact matches, in which:
10 unique CDR3
3 unique J



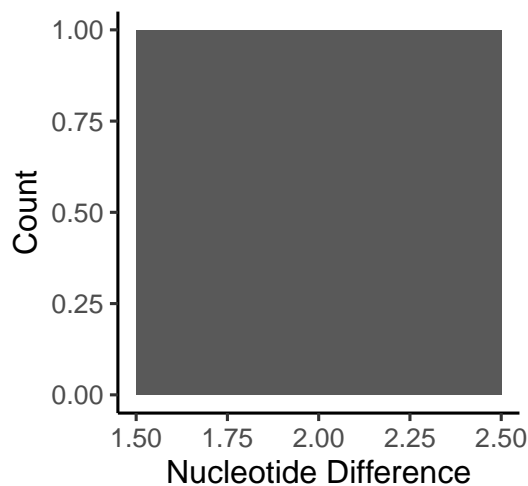
IGKV1-27*01_T231C

74 sequences assigned
49 (66.2%) exact matches, in which:
46 unique CDR3
5 unique J



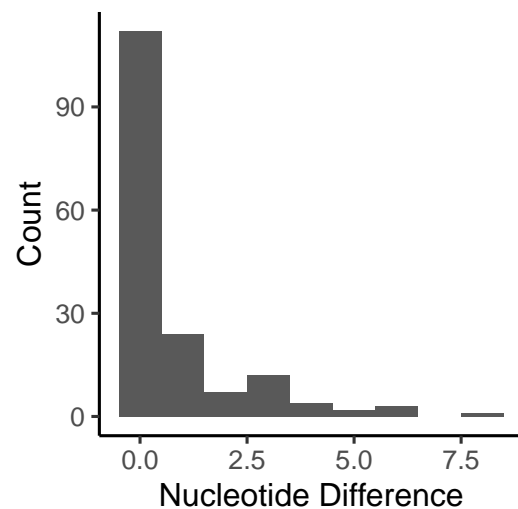
IGKV2-18*01

1 sequences assigned
No exact matches.



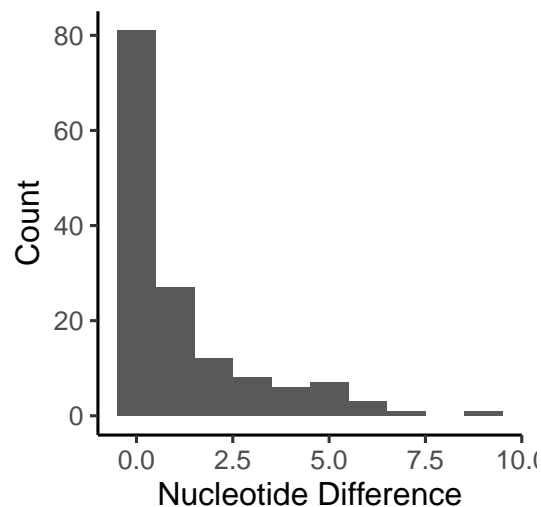
IGKV2-29*02

165 sequences assigned
112 (67.9%) exact matches, in which:
105 unique CDR3
5 unique J



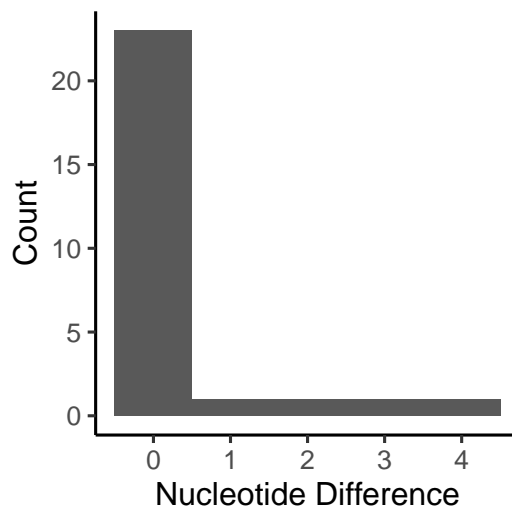
IGKV1-NL1*01

146 sequences assigned
81 (55.5%) exact matches, in which:
77 unique CDR3
5 unique J



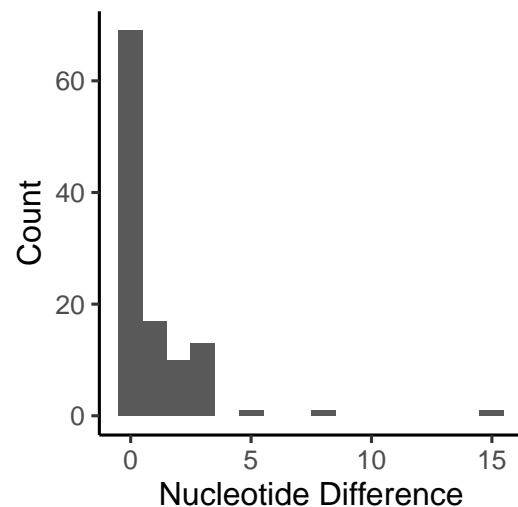
IGKV2-24*01

27 sequences assigned
23 (85.2%) exact matches, in which:
23 unique CDR3
5 unique J



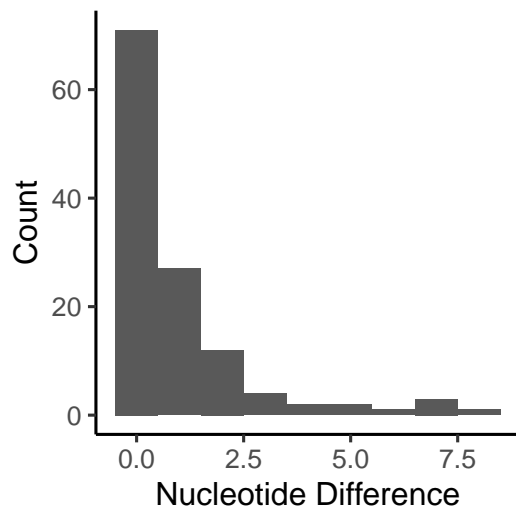
IGKV2-30*01

112 sequences assigned
69 (61.6%) exact matches, in which:
64 unique CDR3
5 unique J



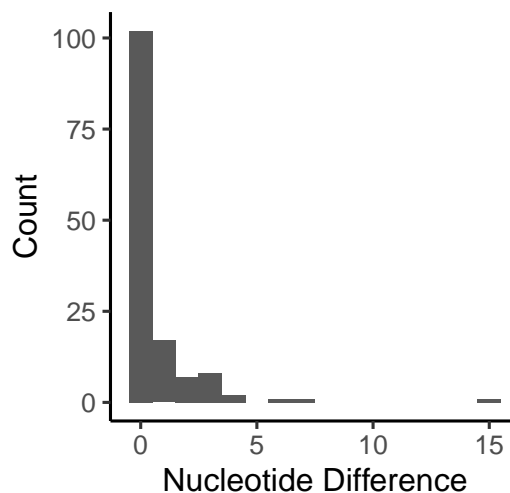
IGKV2-30*02

123 sequences assigned
71 (57.7%) exact matches, in which:
69 unique CDR3
5 unique J



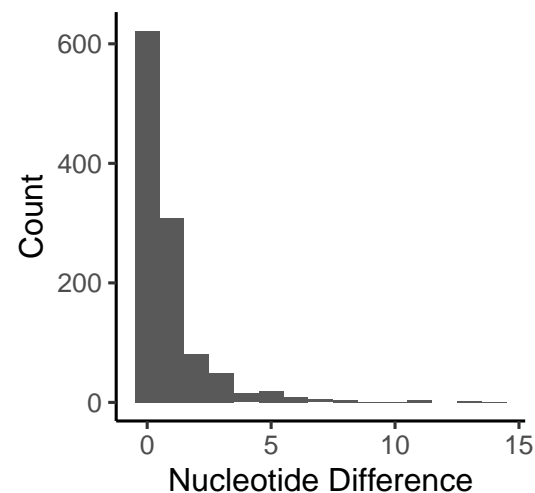
IGKV3-11*01_A223C

139 sequences assigned
102 (73.4%) exact matches, in which:
101 unique CDR3
5 unique J



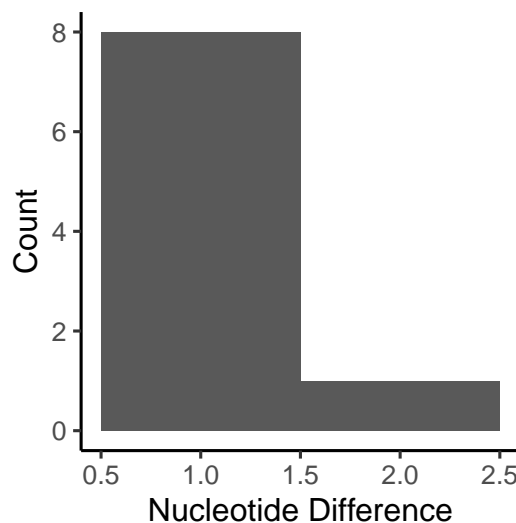
IGKV3-20*01

1123 sequences assigned
622 (55.4%) exact matches, in which:
542 unique CDR3
5 unique J



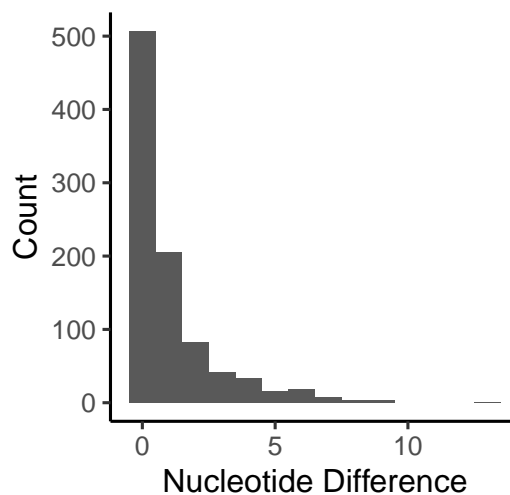
IGKV3-7*04

9 sequences assigned
No exact matches.



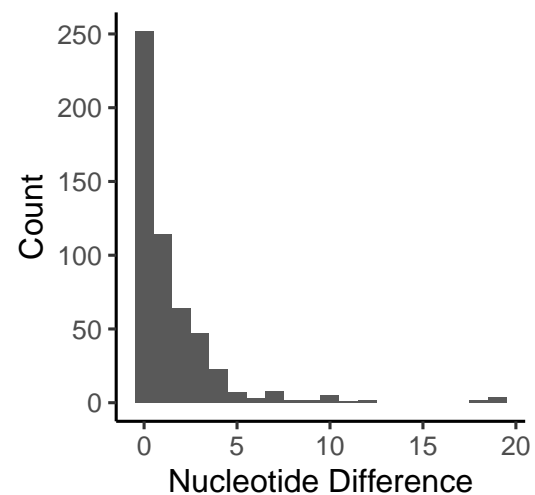
IGKV3-15*01

922 sequences assigned
507 (55%) exact matches, in which:
442 unique CDR3
5 unique J



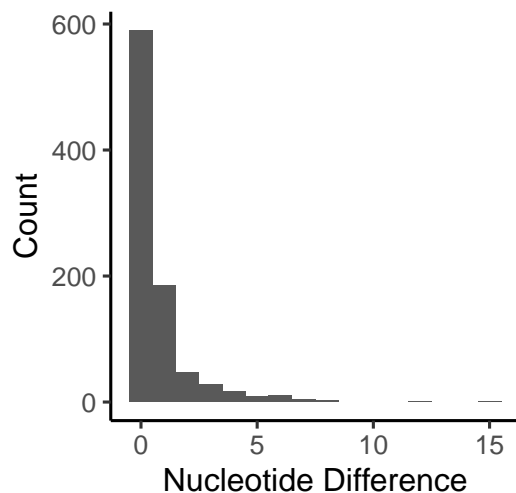
IGKV4-1*01

536 sequences assigned
252 (47%) exact matches, in which:
203 unique CDR3
5 unique J



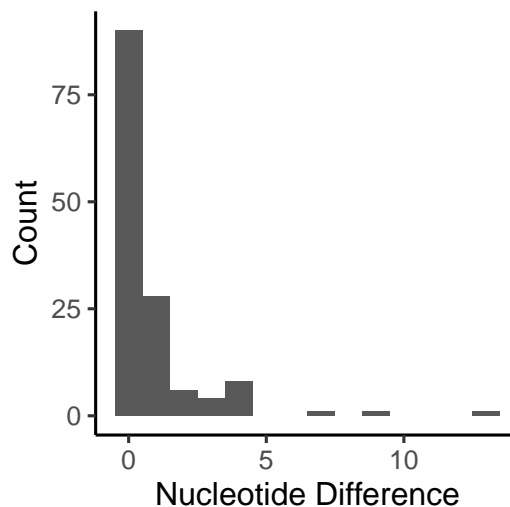
IGKV3-11*01

896 sequences assigned
590 (65.8%) exact matches, in which:
505 unique CDR3
5 unique J



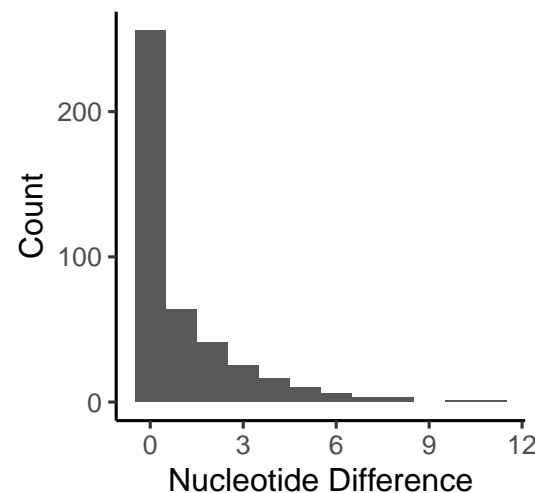
IGKV3-15*01_A223C

140 sequences assigned
90 (64.3%) exact matches, in which:
88 unique CDR3
5 unique J



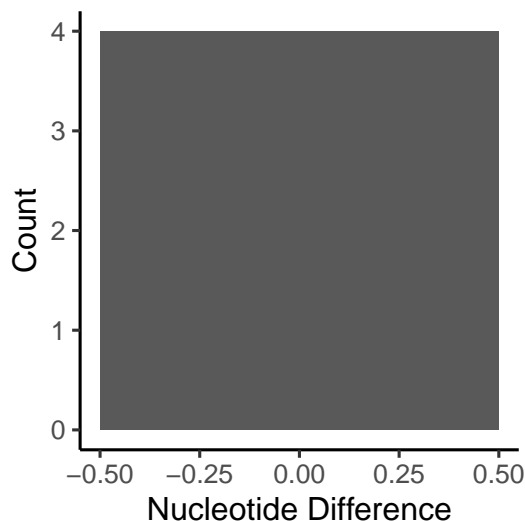
IGKV4-1*01_A318G

426 sequences assigned
256 (60.1%) exact matches, in which:
209 unique CDR3
5 unique J



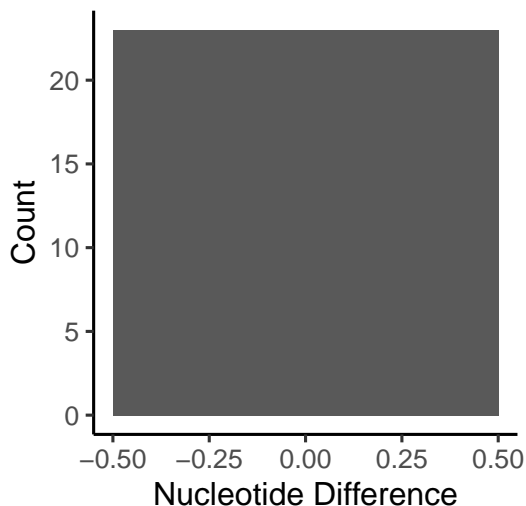
IGKV5-2*01_C214T

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



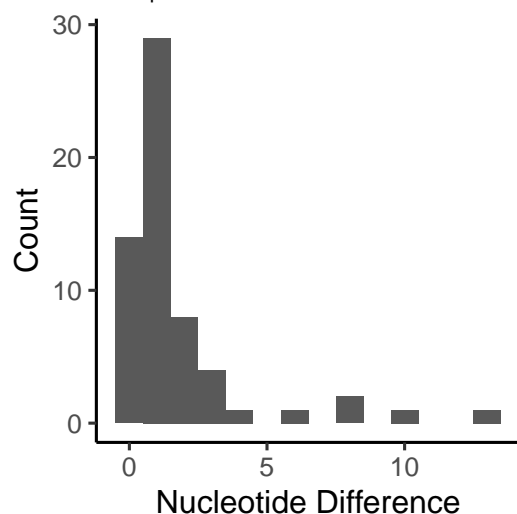
IGKV1D-8*01

23 sequences assigned
23 (100%) exact matches, in which:
22 unique CDR3
5 unique J



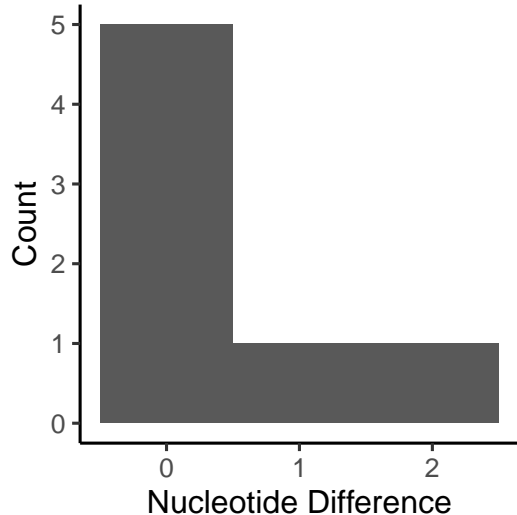
IGKV3D-15*01

61 sequences assigned
14 (23%) exact matches, in which:
14 unique CDR3
5 unique J



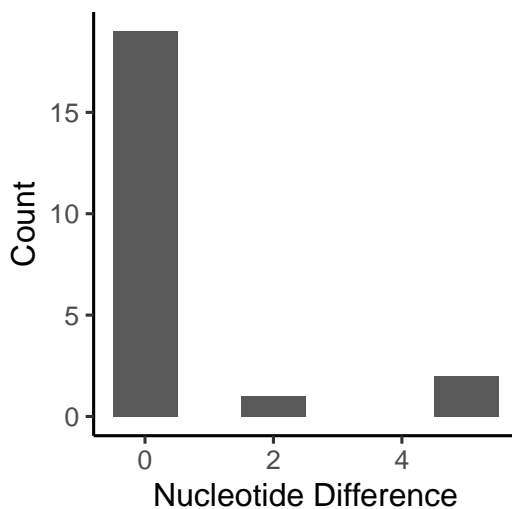
IGKV5-2*01_T108G_C214

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



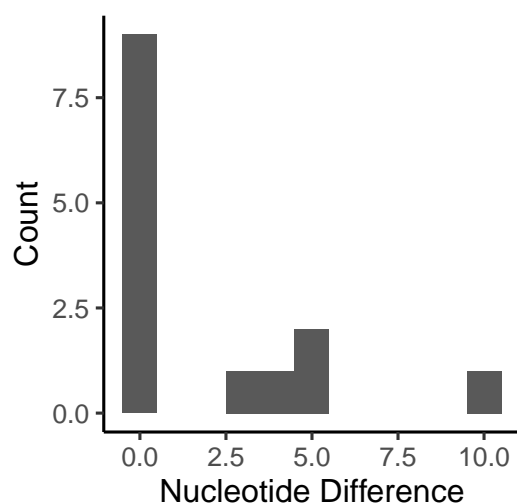
IGKV1D-8*03

22 sequences assigned
19 (86.4%) exact matches, in which:
18 unique CDR3
3 unique J



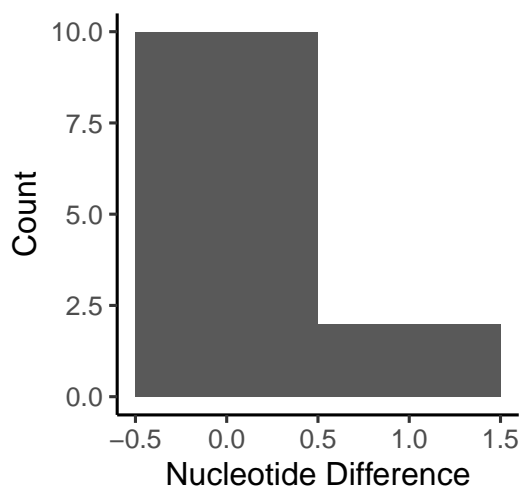
IGKV1D-16*01

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



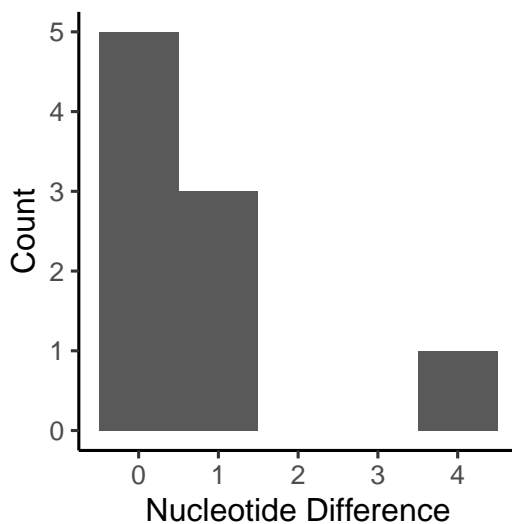
IGKV3D-7*01

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



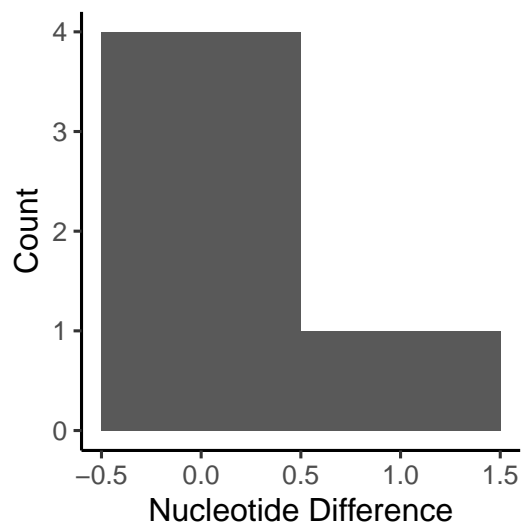
IGKV3D-11*02

9 sequences assigned
5 (55.6%) exact matches, in which:
5 unique CDR3
3 unique J



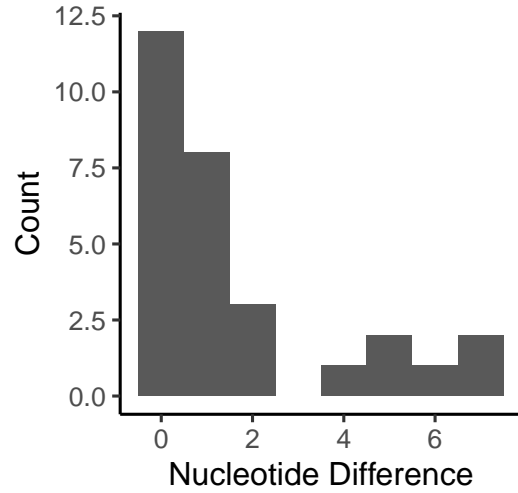
IGKV1D-16*02

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



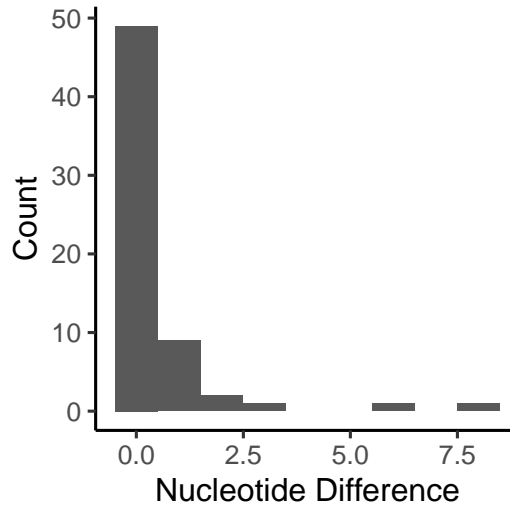
IGKV3D-20*01

29 sequences assigned
12 (41.4%) exact matches, in which:
12 unique CDR3
5 unique J



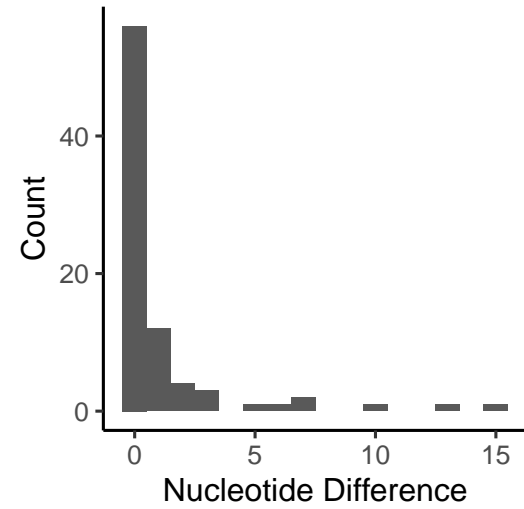
IGKV2D-29*02

63 sequences assigned
49 (77.8%) exact matches, in which:
46 unique CDR3
5 unique J



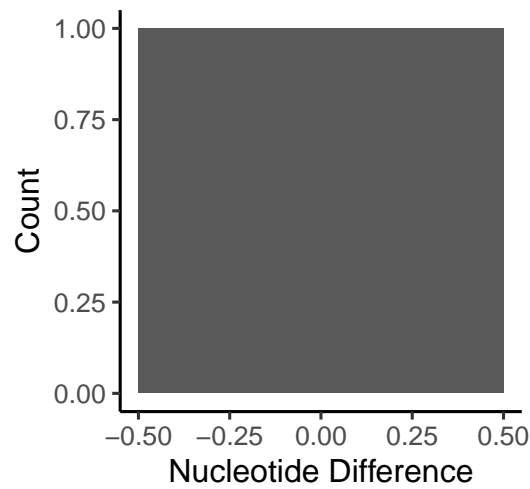
IGKV1E-12*01

82 sequences assigned
56 (68.3%) exact matches, in which:
42 unique CDR3
5 unique J



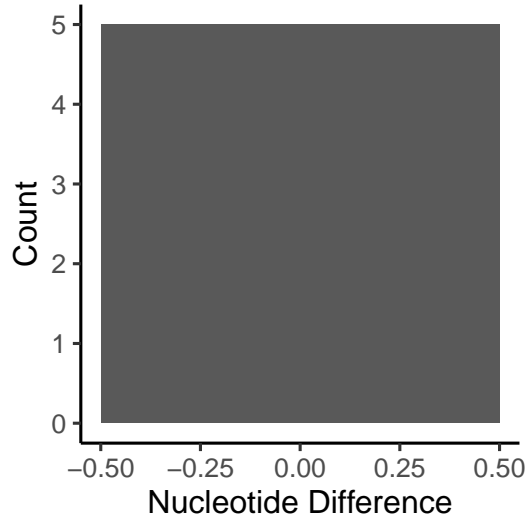
IGKV2D-24*01

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



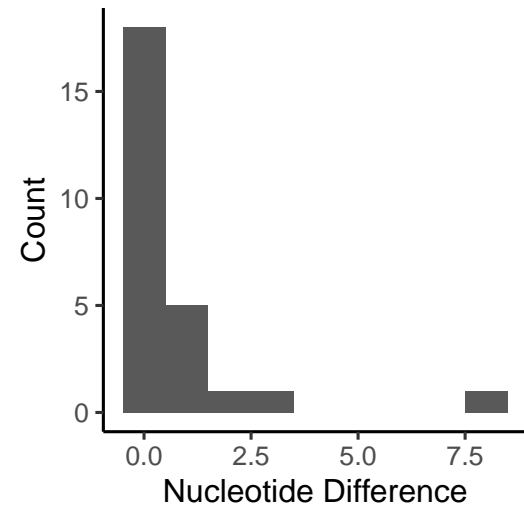
IGKV2D-30*01

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



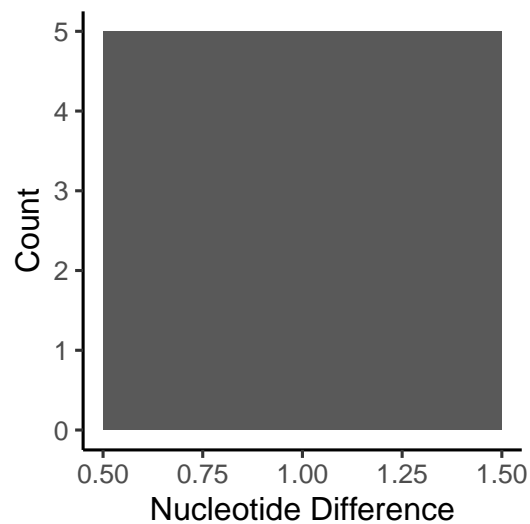
IGKV1E-12*02

26 sequences assigned
18 (69.2%) exact matches, in which:
14 unique CDR3
5 unique J



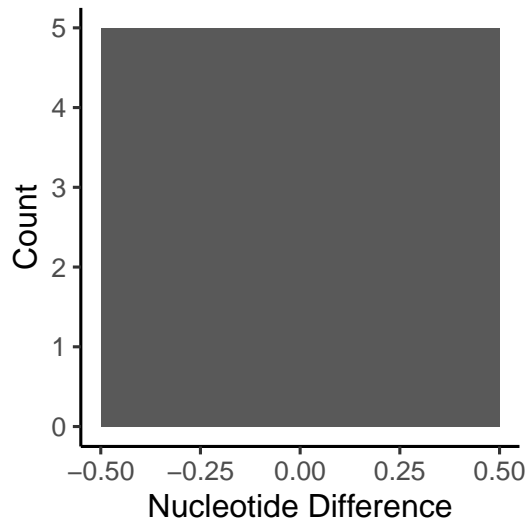
IGKV2D-26*03

5 sequences assigned
No exact matches.



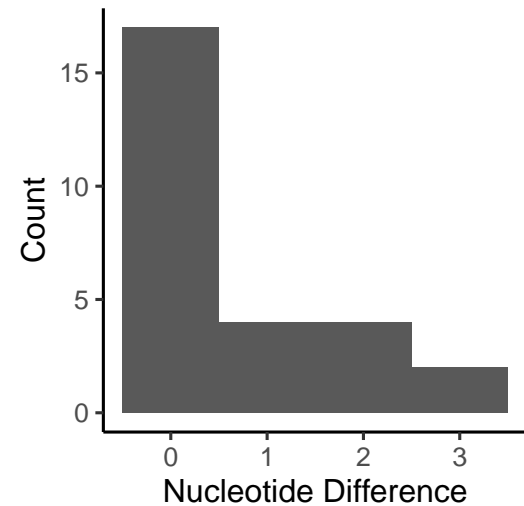
IGKV1D-43*01

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



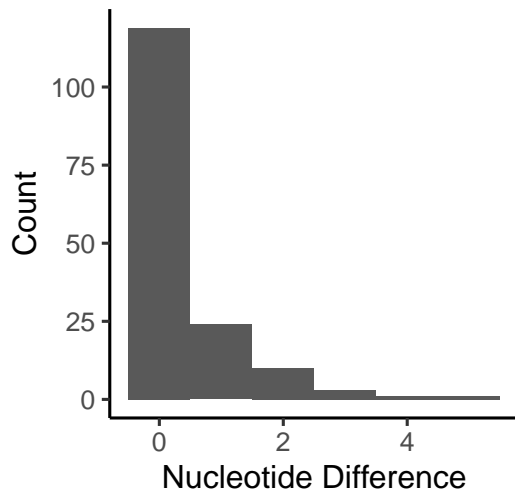
IGKV1E-12*03

27 sequences assigned
17 (63%) exact matches, in which:
16 unique CDR3
5 unique J



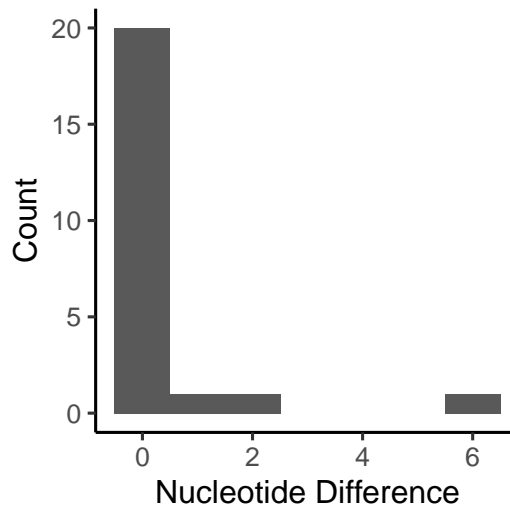
IGKV1E-13*02

158 sequences assigned
119 (75.3%) exact matches, in which:
102 unique CDR3
5 unique J



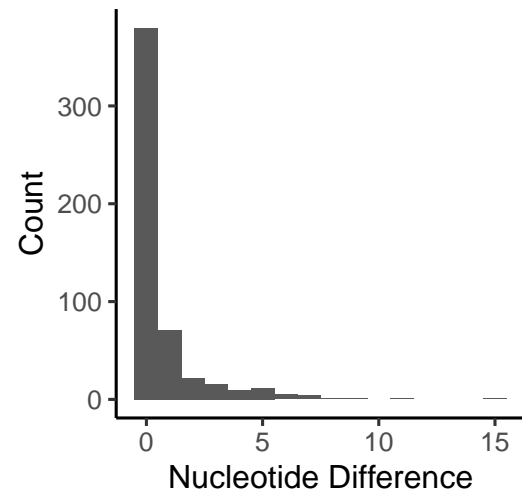
IGKV6E-21*02

23 sequences assigned
20 (87%) exact matches, in which:
20 unique CDR3
5 unique J



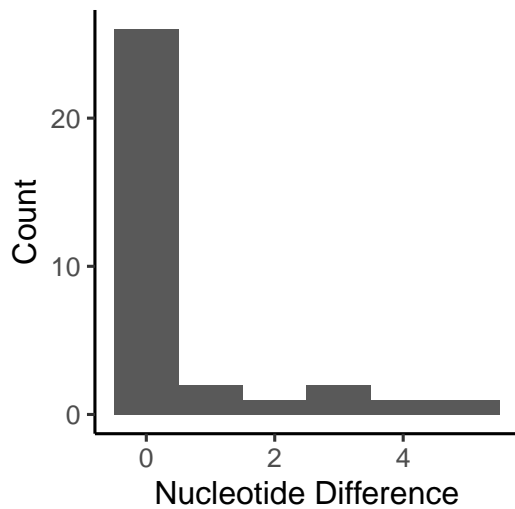
IGKV1E-33*01

524 sequences assigned
380 (72.5%) exact matches, in which:
329 unique CDR3
5 unique J



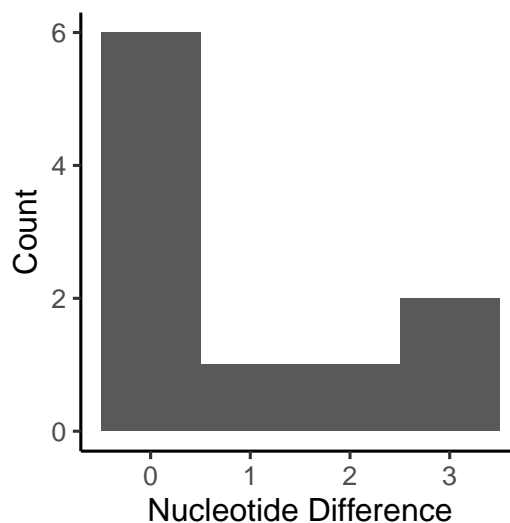
IGKV1E-13*03

33 sequences assigned
26 (78.8%) exact matches, in which:
26 unique CDR3
4 unique J



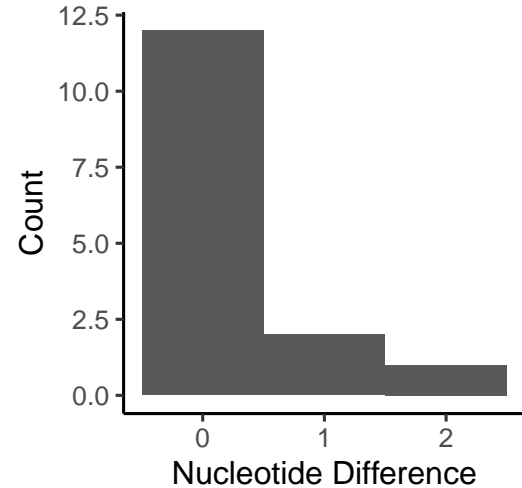
IGKV6E-21*03

10 sequences assigned
6 (60%) exact matches, in which:
6 unique CDR3
4 unique J



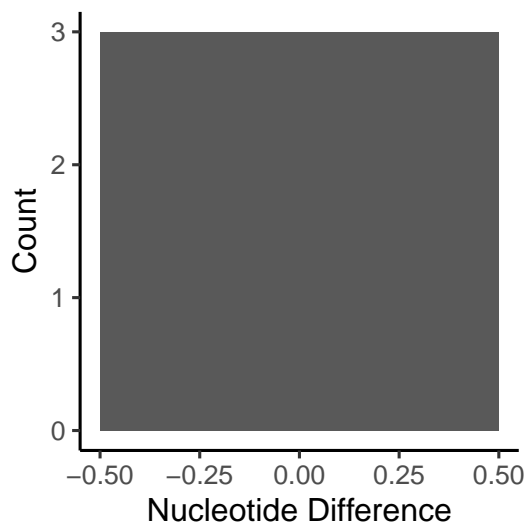
IGKV1E-37*01

15 sequences assigned
12 (80%) exact matches, in which:
12 unique CDR3
5 unique J



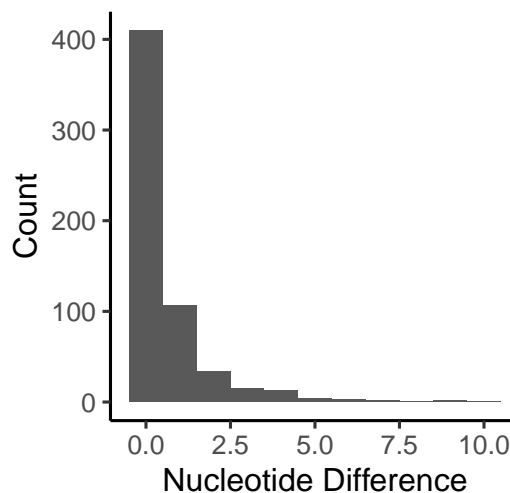
IGKV6E-21*01

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



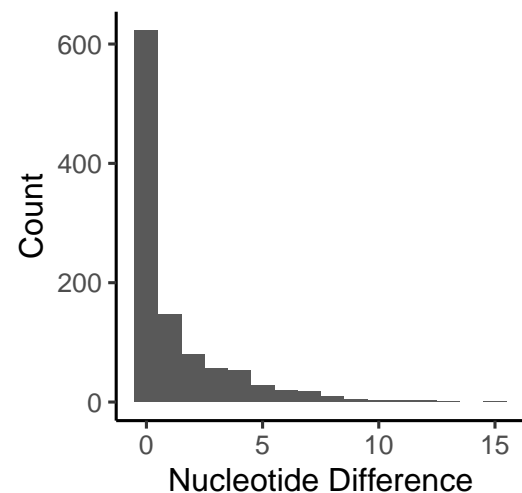
IGKV2E-28*01

591 sequences assigned
410 (69.4%) exact matches, in which:
335 unique CDR3
5 unique J



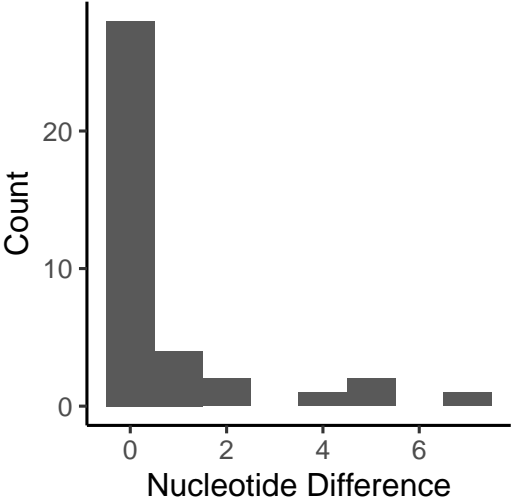
IGKV1E-39*01

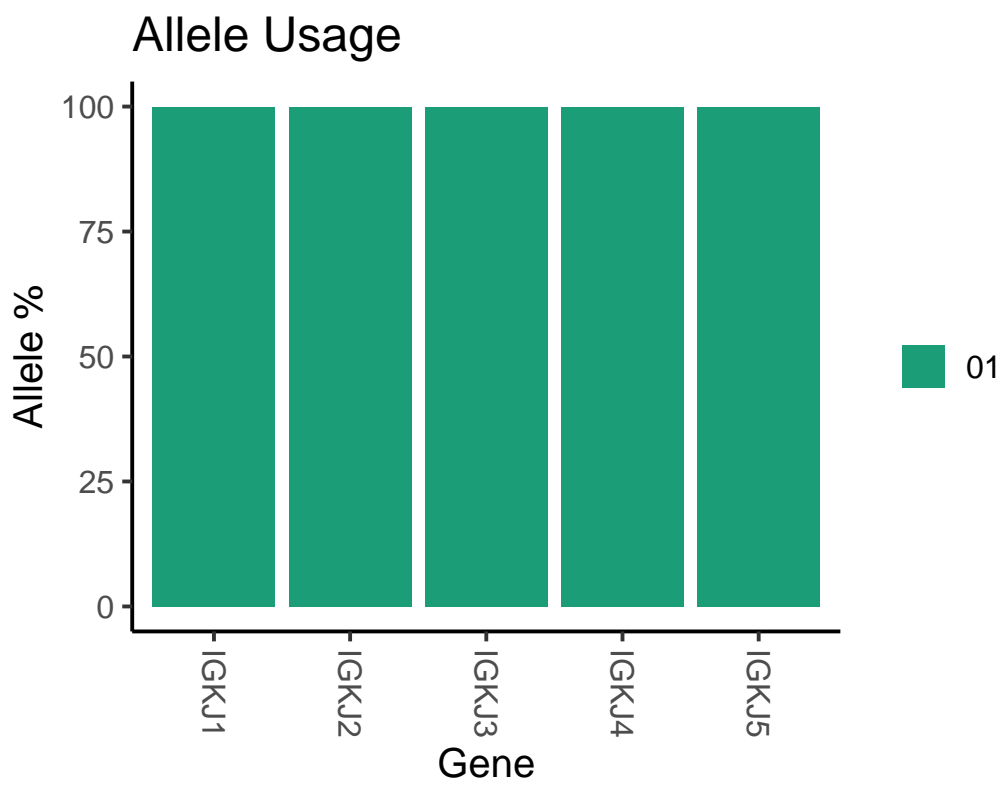
1044 sequences assigned
623 (59.7%) exact matches, in which:
525 unique CDR3
5 unique J



IGKV2E-40*01

38 sequences assigned
28 (73.7%) exact matches, in which:
27 unique CDR3
5 unique J





Warning – no inferred sequences found.