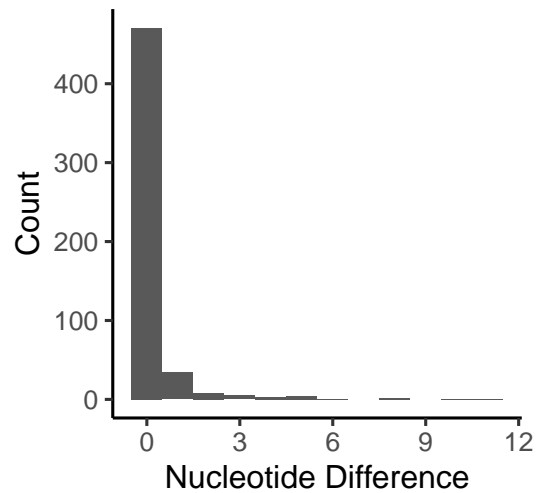


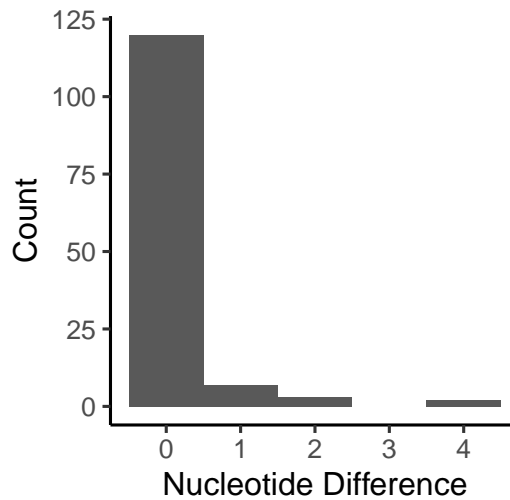
IGKV1-5*03

530 sequences assigned
471 (88.9%) exact matches, in which:
403 unique CDR3
5 unique J



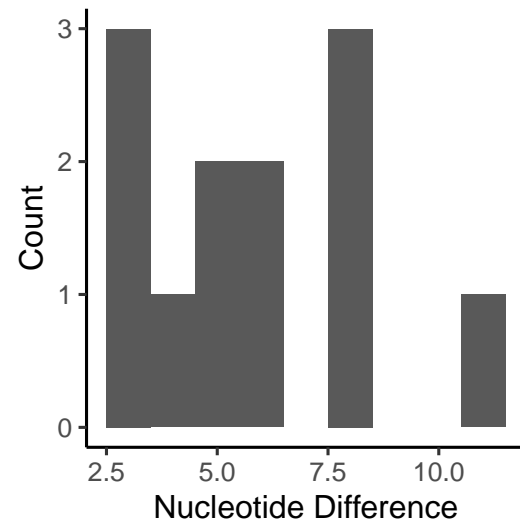
IGKV1-8*01

132 sequences assigned
120 (90.9%) exact matches, in which:
97 unique CDR3
5 unique J



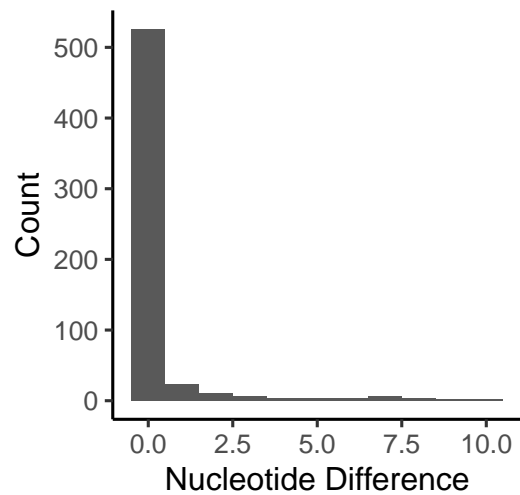
IGKV1-16*01

12 sequences assigned
No exact matches.



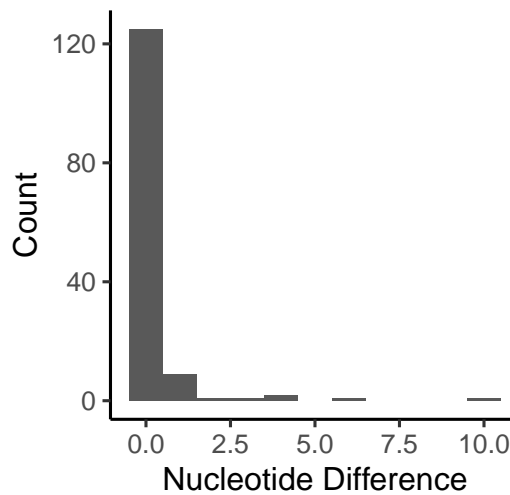
IGKV1-5*03_G171A

589 sequences assigned
526 (89.3%) exact matches, in which:
440 unique CDR3
5 unique J



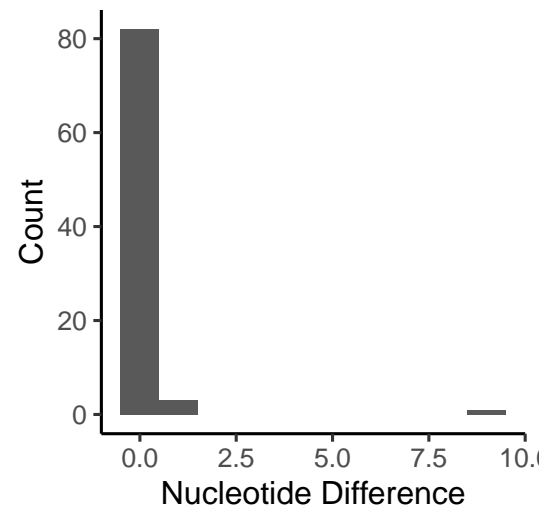
IGKV1-8*01_G12A_T31C

140 sequences assigned
125 (89.3%) exact matches, in which:
107 unique CDR3
5 unique J



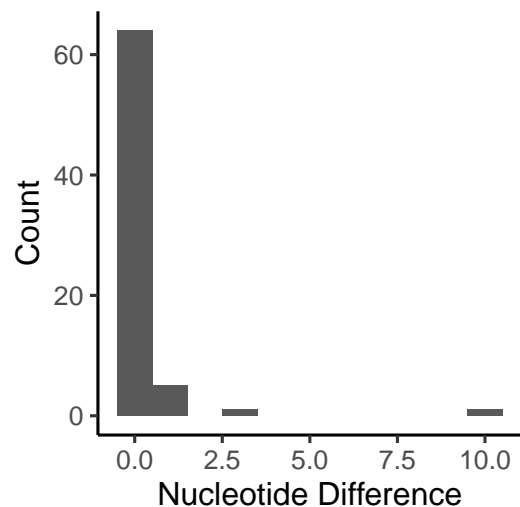
IGKV1-16*02

86 sequences assigned
82 (95.3%) exact matches, in which:
70 unique CDR3
5 unique J



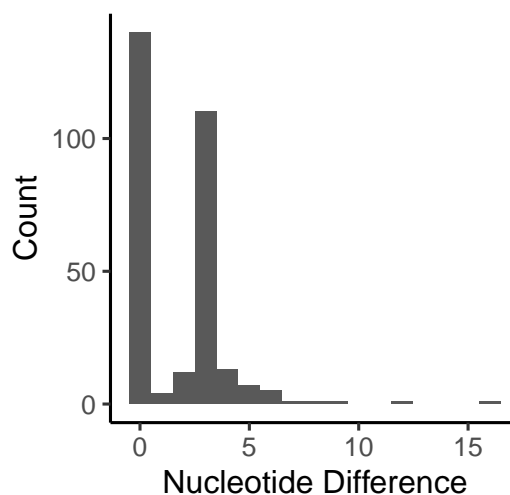
IGKV1-6*01

71 sequences assigned
64 (90.1%) exact matches, in which:
50 unique CDR3
4 unique J



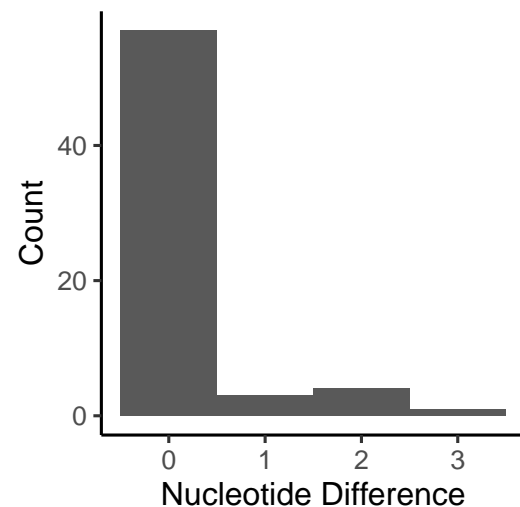
IGKV1-9*01

297 sequences assigned
140 (47.1%) exact matches, in which:
127 unique CDR3
5 unique J



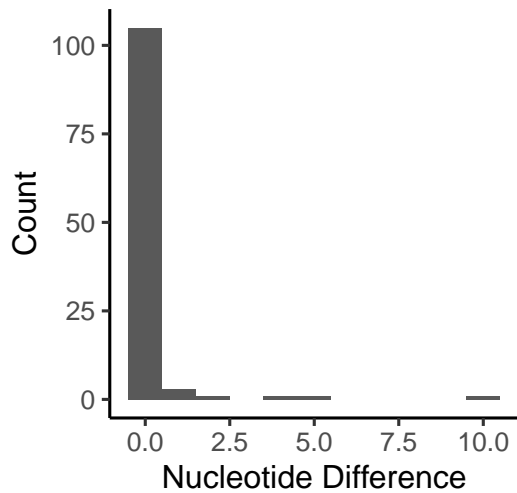
IGKV1-17*03

65 sequences assigned
57 (87.7%) exact matches, in which:
49 unique CDR3
5 unique J



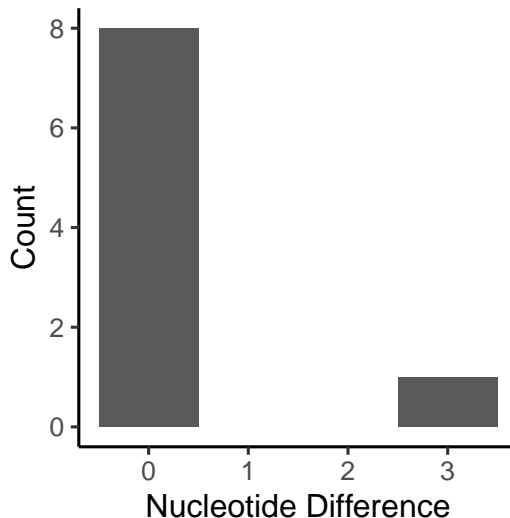
IGKV1–27*01_T231C

112 sequences assigned
105 (93.8%) exact matches, in which:
82 unique CDR3
5 unique J



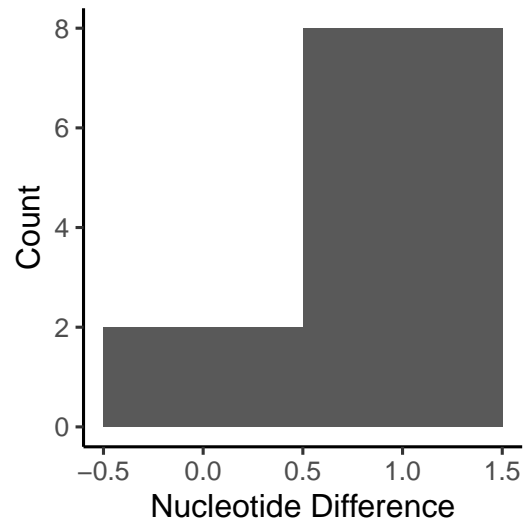
IGKV2–24*01_T314C

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



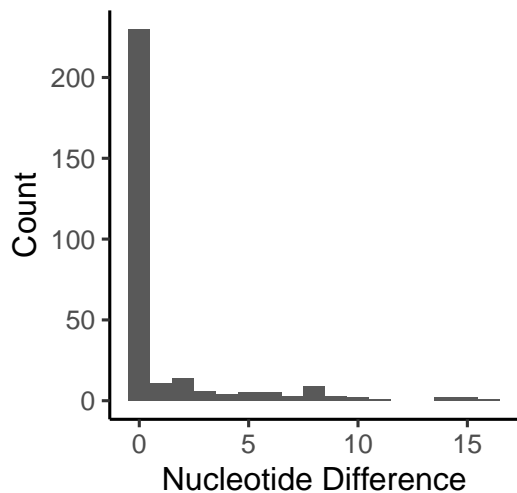
IGKV3–7*04

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



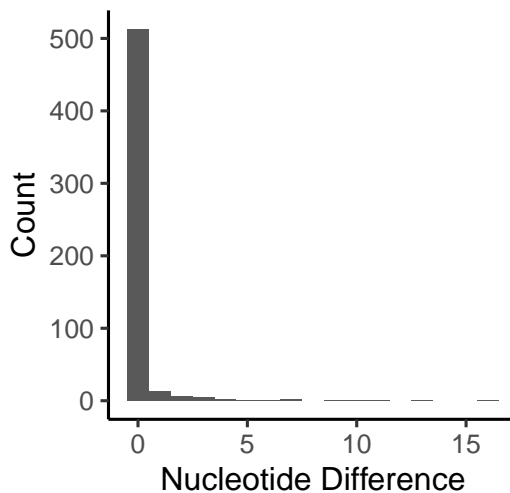
IGKV1–NL1*01

298 sequences assigned
230 (77.2%) exact matches, in which:
198 unique CDR3
5 unique J



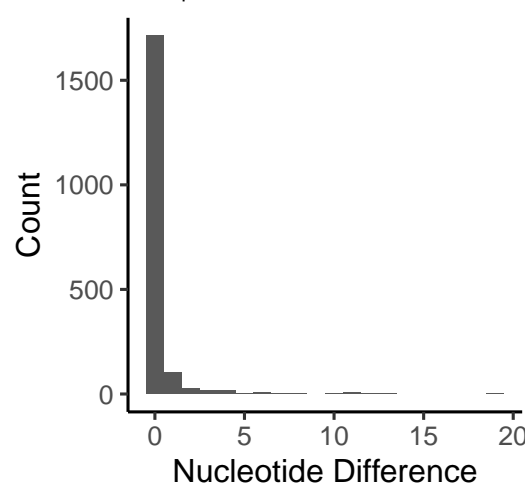
IGKV2–29*02

548 sequences assigned
513 (93.6%) exact matches, in which:
414 unique CDR3
5 unique J



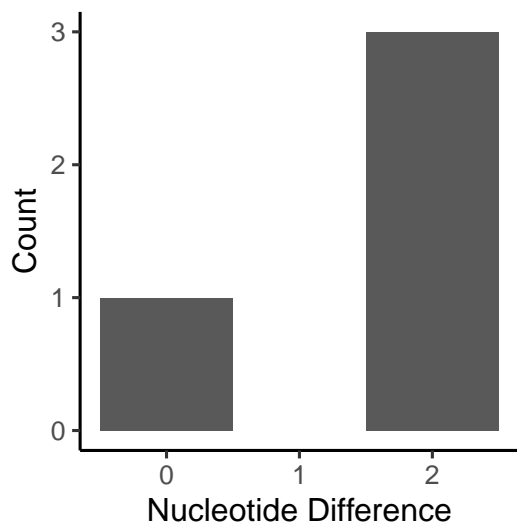
IGKV3–11*01

1895 sequences assigned
1713 (90.4%) exact matches, in which:
1205 unique CDR3
5 unique J



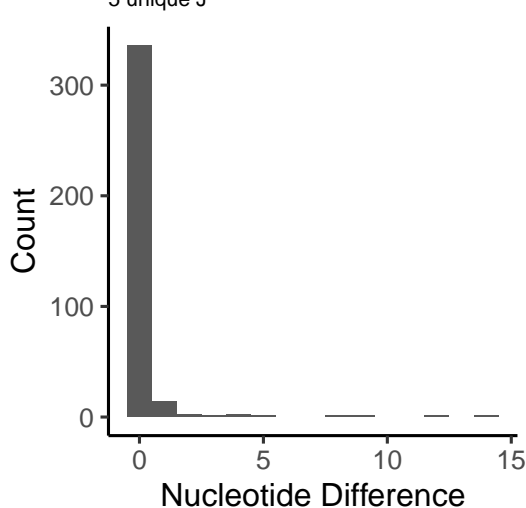
IGKV2–18*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



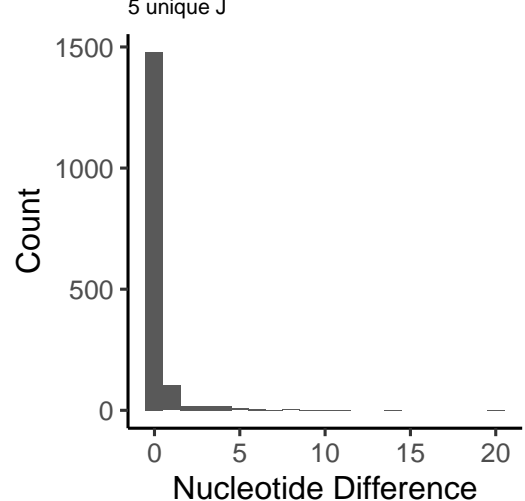
IGKV2–30*02

362 sequences assigned
336 (92.8%) exact matches, in which:
283 unique CDR3
5 unique J



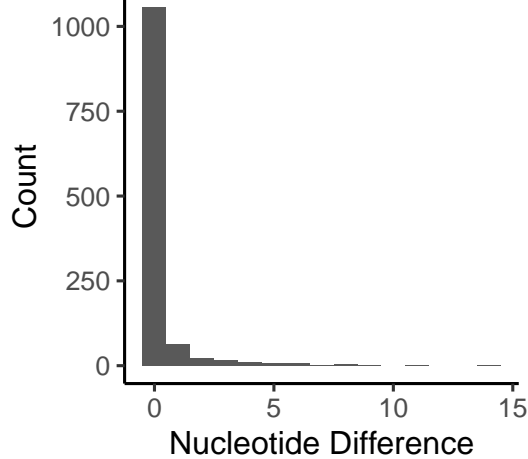
IGKV3–15*01

1661 sequences assigned
1479 (89%) exact matches, in which:
1083 unique CDR3
5 unique J



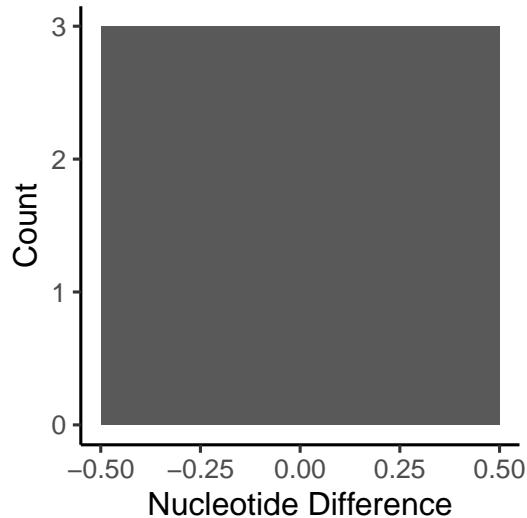
IGKV3–20*01

1188 sequences assigned
1056 (88.9%) exact matches, in which:
778 unique CDR3
5 unique J



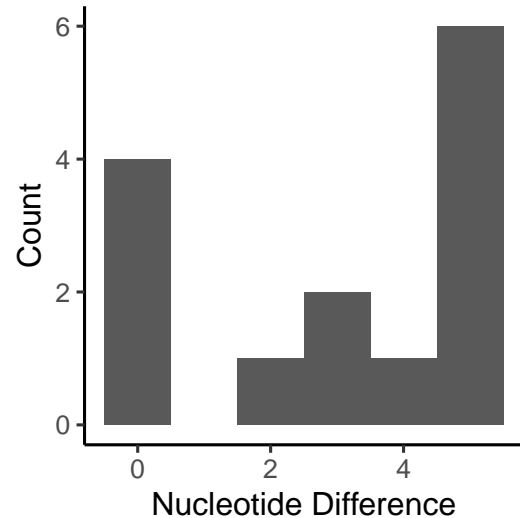
IGKV3D–7*01

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



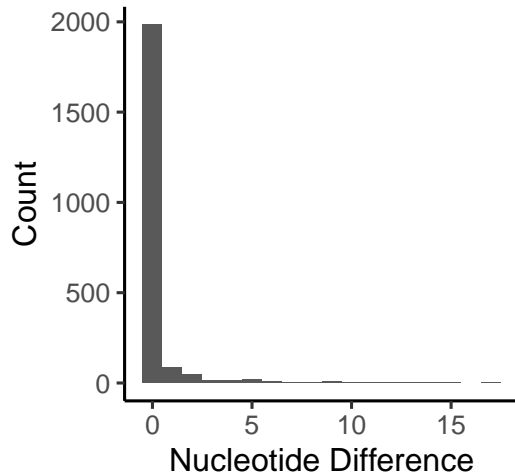
IGKV3D–11*02_C247T

14 sequences assigned
4 (28.6%) exact matches, in which:
4 unique CDR3
3 unique J



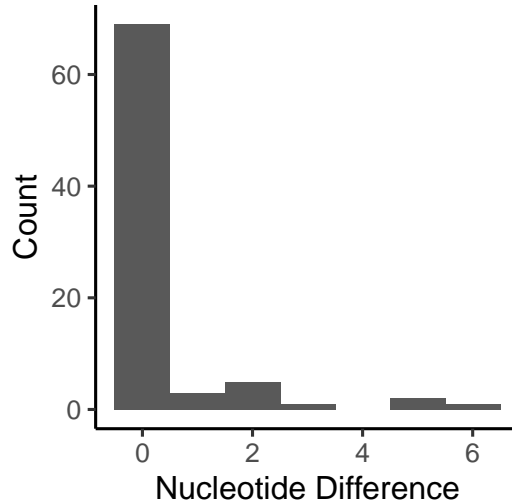
IGKV4–1*01

2198 sequences assigned
1984 (90.3%) exact matches, in which:
1200 unique CDR3
5 unique J



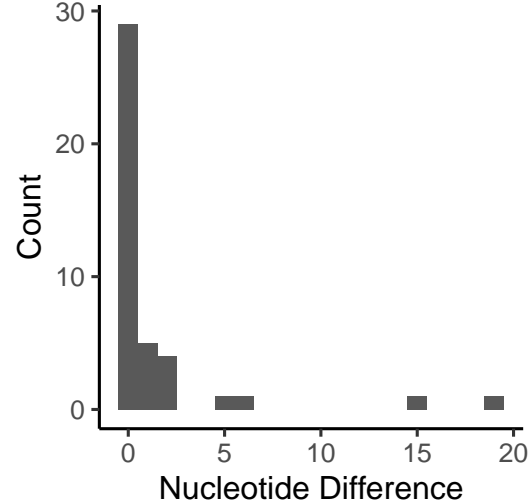
IGKV1D–8*01

81 sequences assigned
69 (85.2%) exact matches, in which:
58 unique CDR3
5 unique J



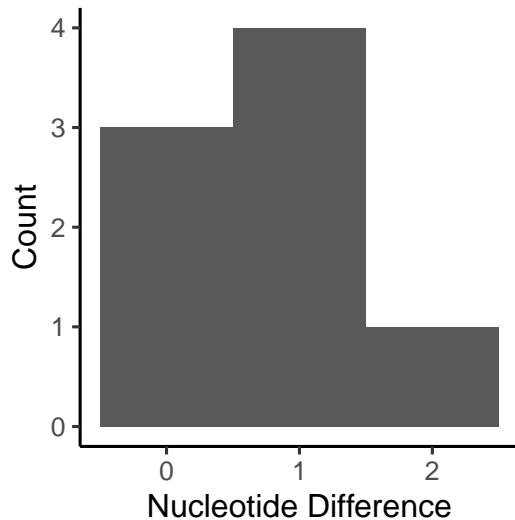
IGKV3D–15*01

43 sequences assigned
29 (67.4%) exact matches, in which:
27 unique CDR3
5 unique J



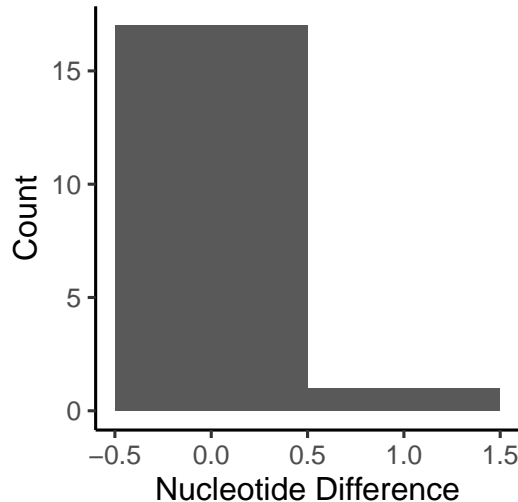
IGKV5–2*01

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
3 unique J



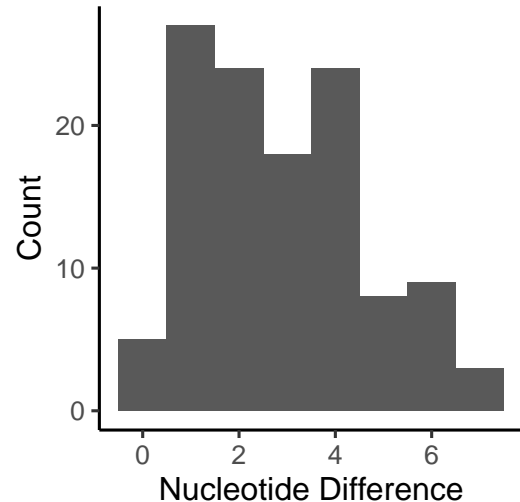
IGKV3D–11*02

18 sequences assigned
17 (94.4%) exact matches, in which:
17 unique CDR3
5 unique J



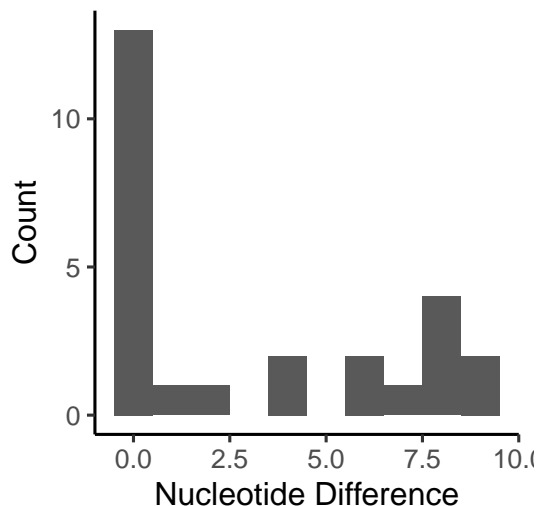
IGKV3D–15*01_A6T_A10T

118 sequences assigned
5 (4.2%) exact matches, in which:
5 unique CDR3
3 unique J



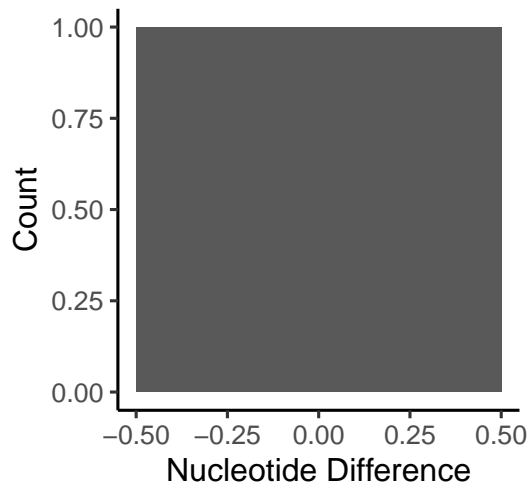
IGKV1D-16*01

26 sequences assigned
13 (50%) exact matches, in which:
13 unique CDR3
5 unique J



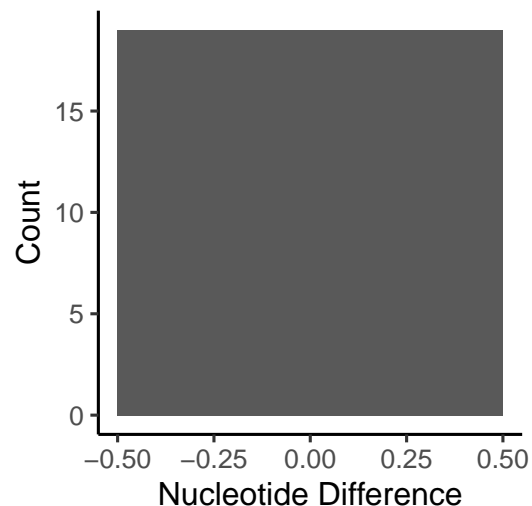
IGKV2D-24*01

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



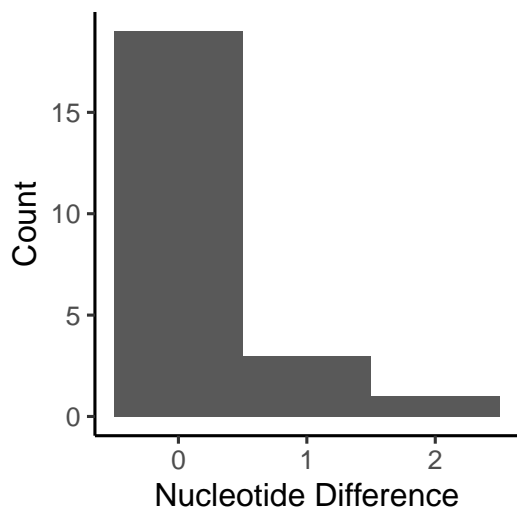
IGKV2D-30*01

19 sequences assigned
19 (100%) exact matches, in which:
19 unique CDR3
4 unique J



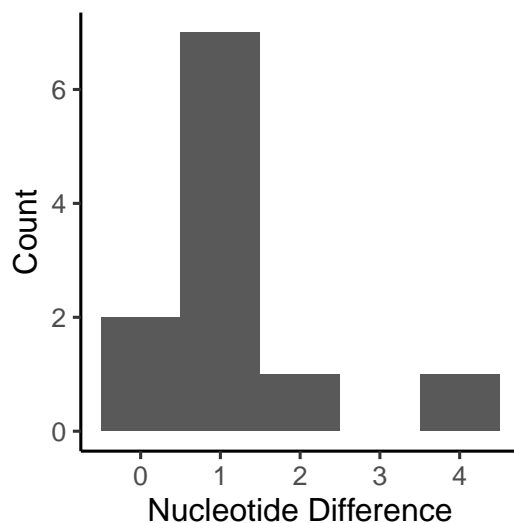
IGKV3D-20*01

23 sequences assigned
19 (82.6%) exact matches, in which:
18 unique CDR3
5 unique J



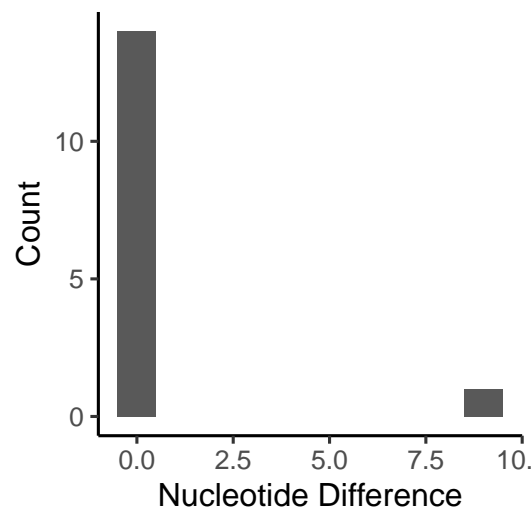
IGKV2D-26*03

11 sequences assigned
2 (18.2%) exact matches, in which:
2 unique CDR3
2 unique J



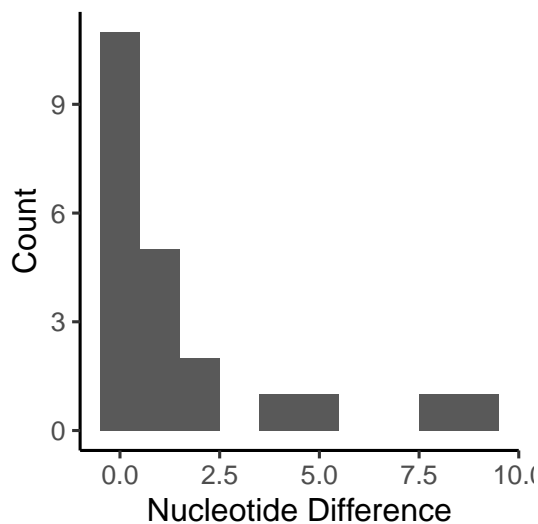
IGKV1D-43*01

15 sequences assigned
14 (93.3%) exact matches, in which:
14 unique CDR3
5 unique J



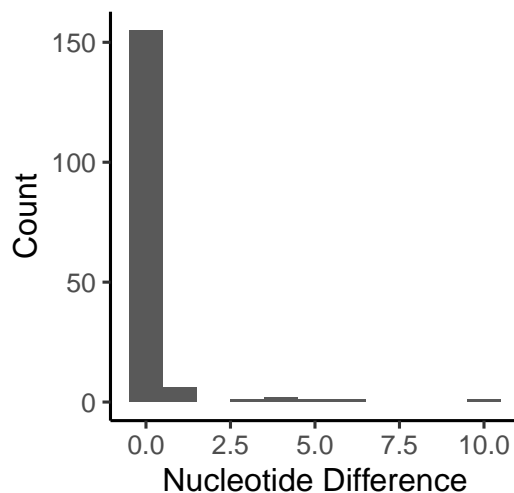
IGKV3D-20*02_C26G_A16

22 sequences assigned
11 (50%) exact matches, in which:
10 unique CDR3
3 unique J



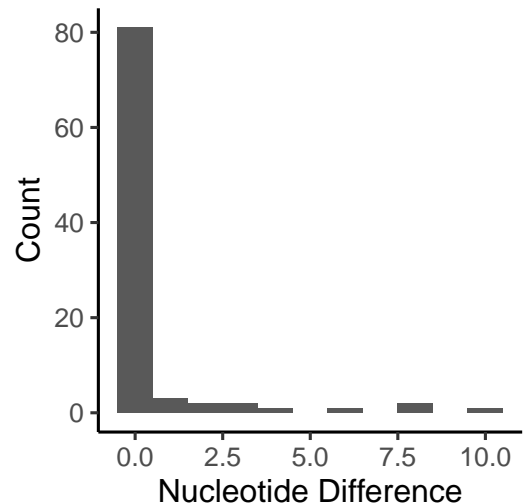
IGKV2D-29*02

167 sequences assigned
155 (92.8%) exact matches, in which:
136 unique CDR3
5 unique J



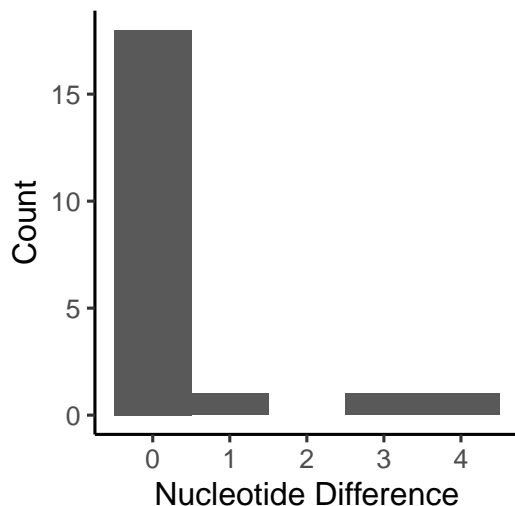
IGKV1E-12*01

93 sequences assigned
81 (87.1%) exact matches, in which:
50 unique CDR3
5 unique J



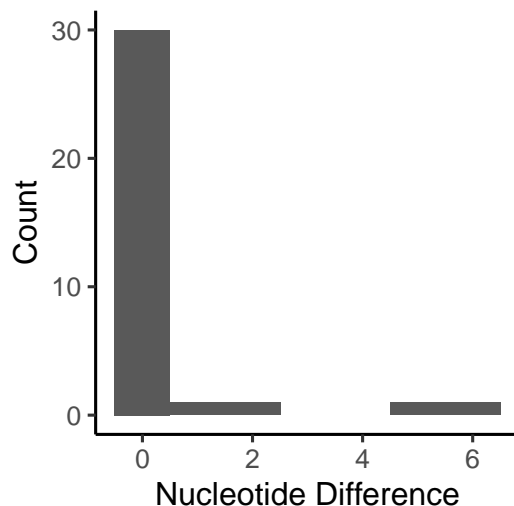
IGKV1E-12*02

21 sequences assigned
18 (85.7%) exact matches, in which:
10 unique CDR3
5 unique J



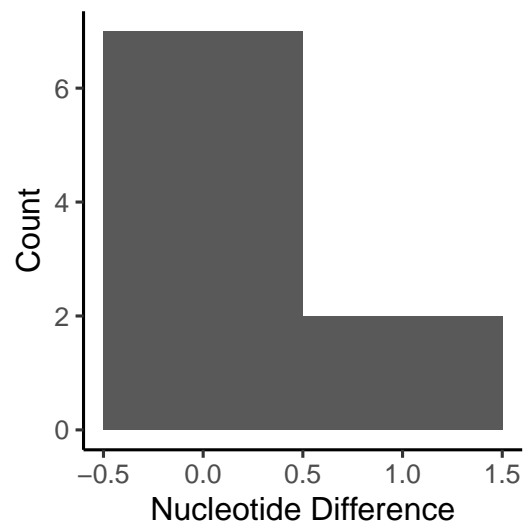
IGKV1E-13*03

34 sequences assigned
30 (88.2%) exact matches, in which:
28 unique CDR3
5 unique J



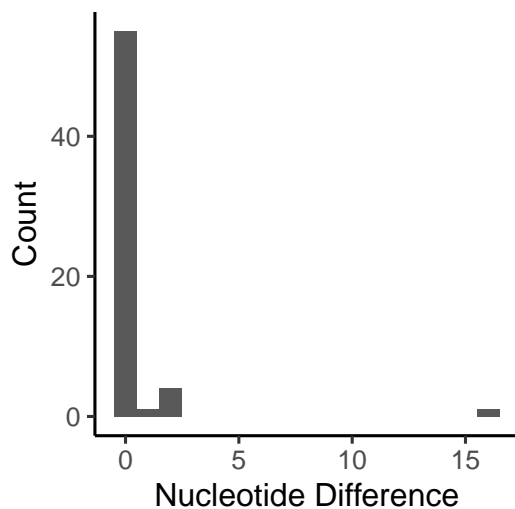
IGKV6E-21*03

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
4 unique J



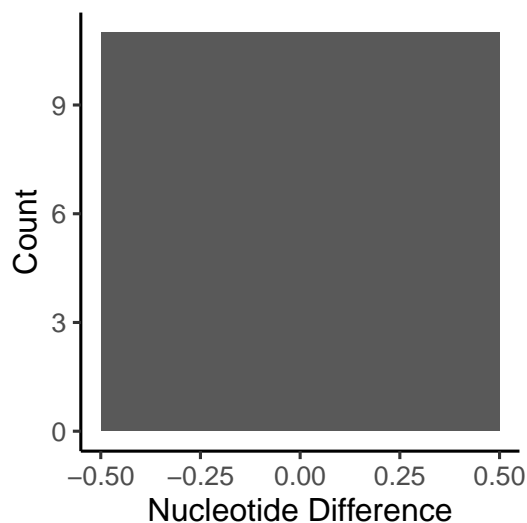
IGKV1E-12*03

61 sequences assigned
55 (90.2%) exact matches, in which:
49 unique CDR3
5 unique J



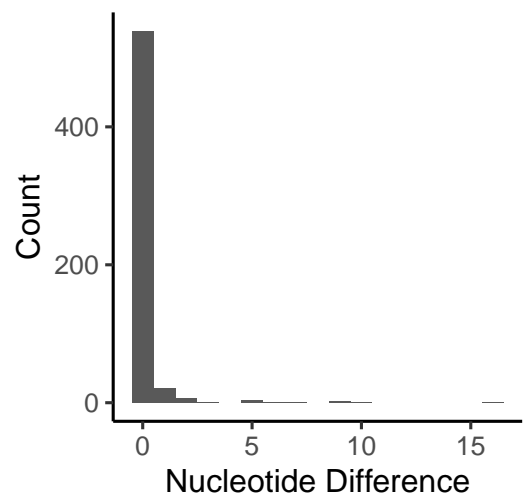
IGKV6E-21*01

11 sequences assigned
11 (100%) exact matches, in which:
10 unique CDR3
3 unique J



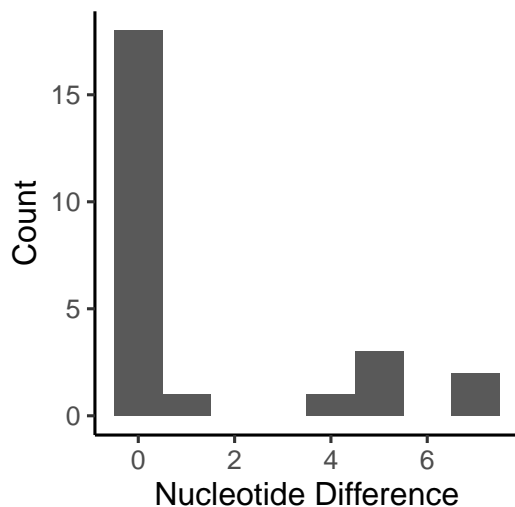
IGKV2E-28*01

576 sequences assigned
539 (93.6%) exact matches, in which:
431 unique CDR3
5 unique J



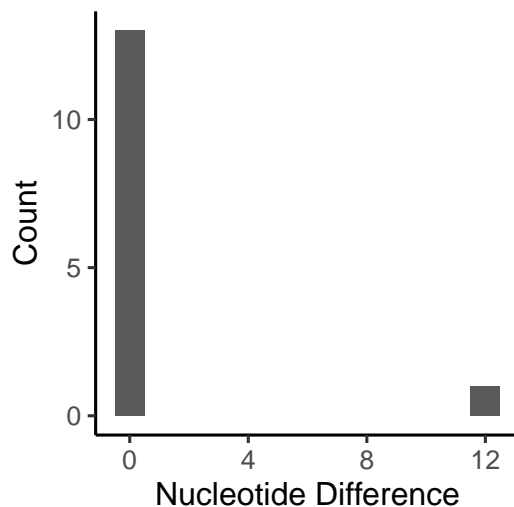
IGKV1E-13*02

25 sequences assigned
18 (72%) exact matches, in which:
17 unique CDR3
4 unique J



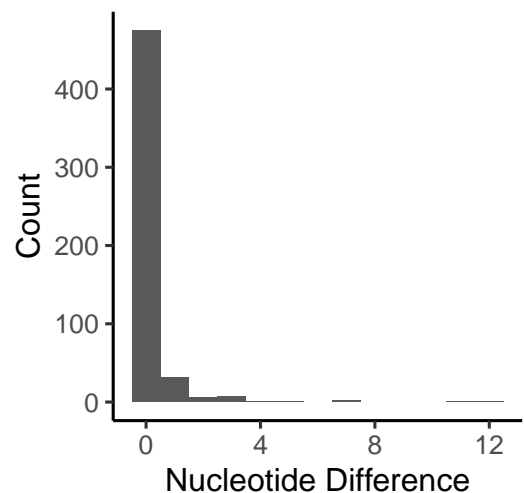
IGKV6E-21*02

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



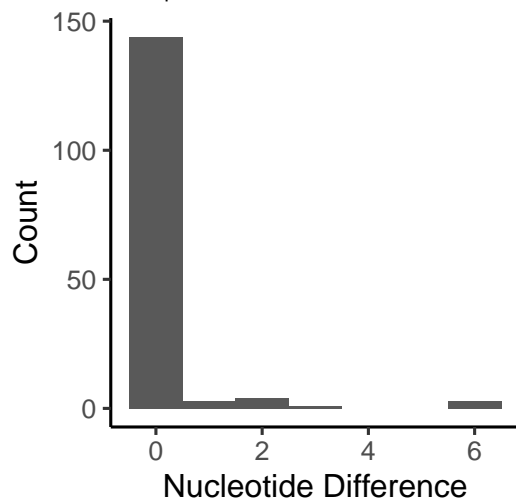
IGKV2E-28*01_C142A

525 sequences assigned
475 (90.5%) exact matches, in which:
394 unique CDR3
5 unique J



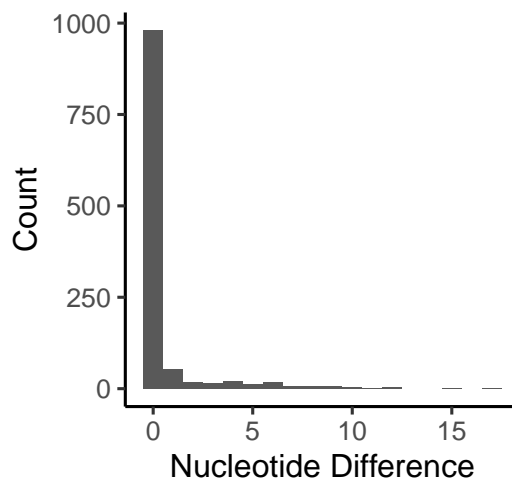
IGKV2E-28*01_G90C

155 sequences assigned
144 (92.9%) exact matches, in which:
129 unique CDR3
5 unique J



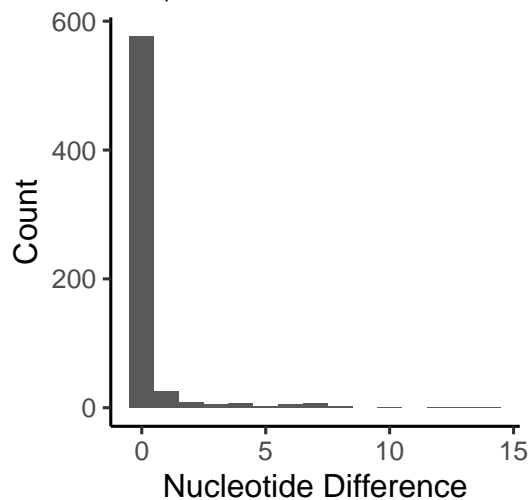
IGKV1E-39*01

1149 sequences assigned
980 (85.3%) exact matches, in which:
694 unique CDR3
5 unique J



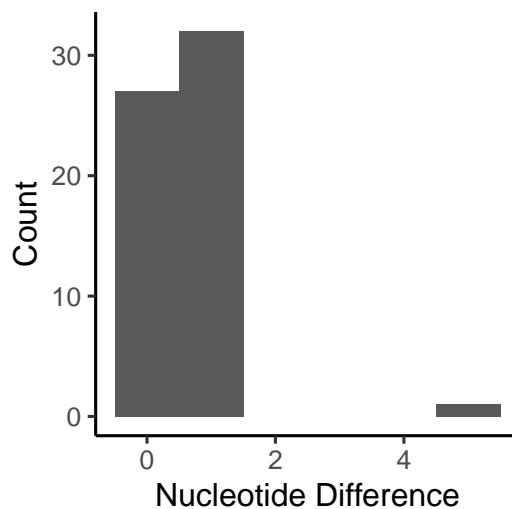
IGKV1E-33*01

643 sequences assigned
577 (89.7%) exact matches, in which:
416 unique CDR3
5 unique J



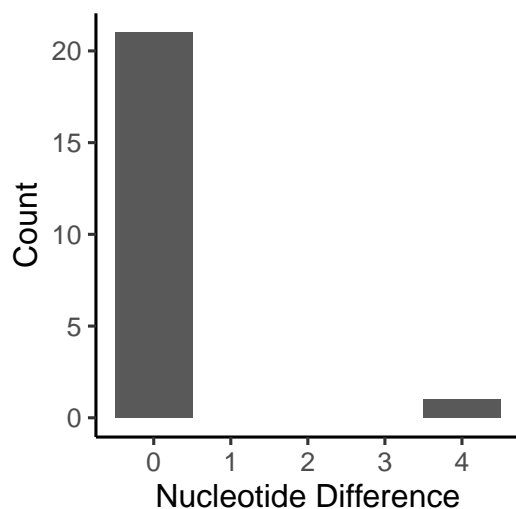
IGKV2E-40*01

60 sequences assigned
27 (45%) exact matches, in which:
22 unique CDR3
5 unique J



IGKV1E-37*01

22 sequences assigned
21 (95.5%) exact matches, in which:
21 unique CDR3
5 unique J





Warning – no inferred sequences found.