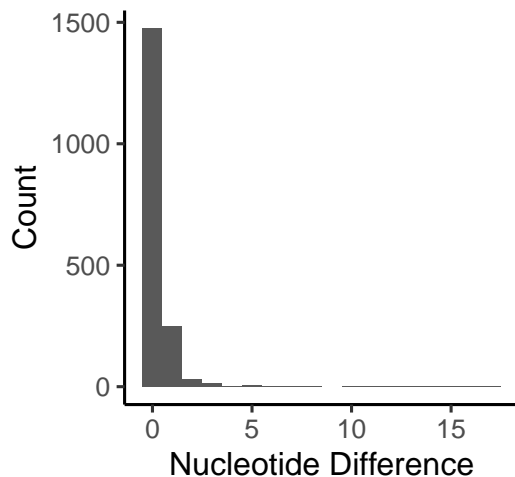


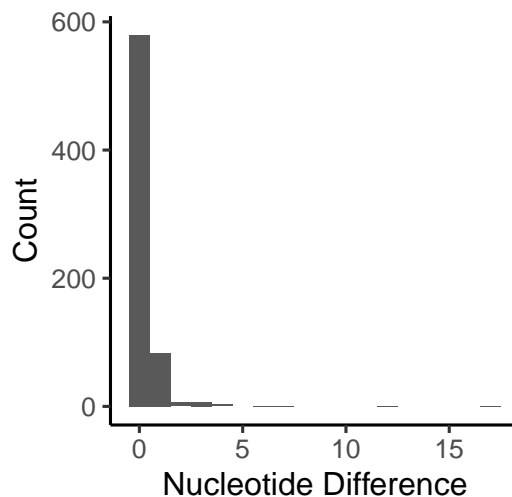
IGKV1-5*03

1799 sequences assigned
1475 (82%) exact matches, in which:
1179 unique CDR3
6 unique J



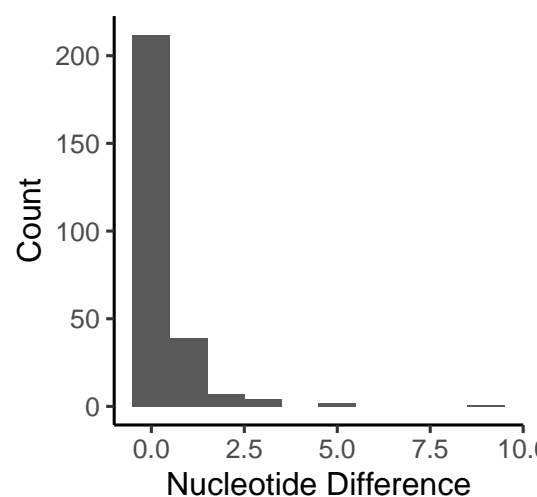
IGKV1-9*01

683 sequences assigned
580 (84.9%) exact matches, in which:
491 unique CDR3
6 unique J



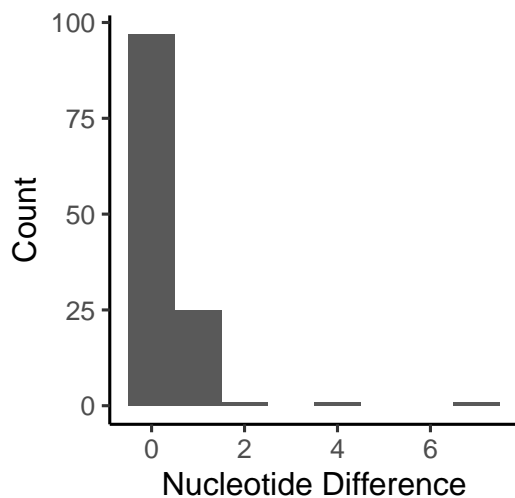
IGKV1-17*01

265 sequences assigned
212 (80%) exact matches, in which:
165 unique CDR3
6 unique J



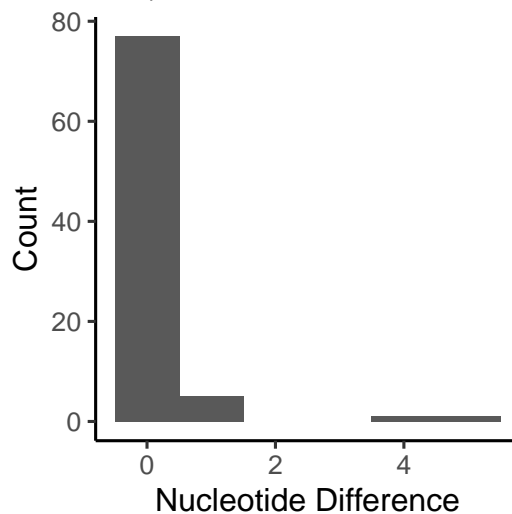
IGKV1-6*01

125 sequences assigned
97 (77.6%) exact matches, in which:
69 unique CDR3
6 unique J



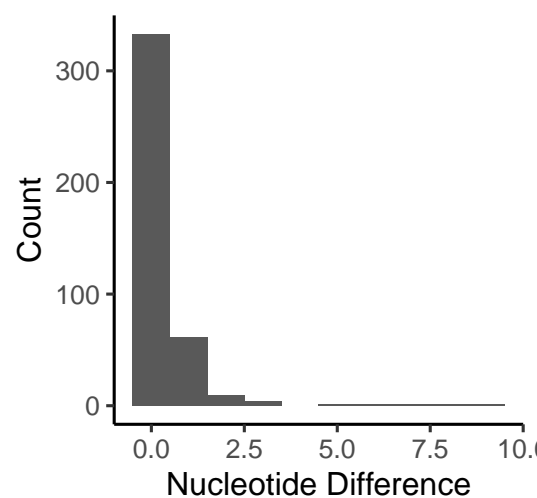
IGKV1-16*02

84 sequences assigned
77 (91.7%) exact matches, in which:
62 unique CDR3
5 unique J



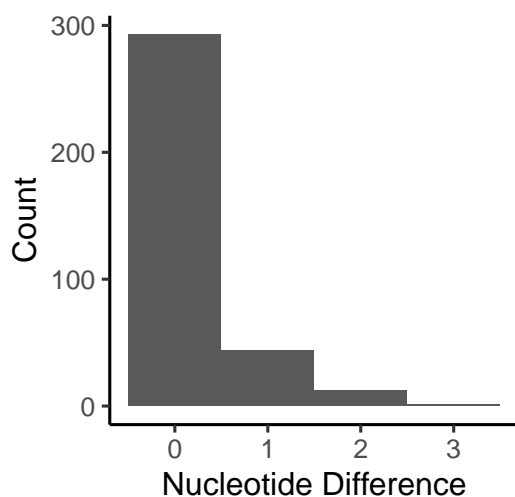
IGKV1-27*01

412 sequences assigned
333 (80.8%) exact matches, in which:
253 unique CDR3
6 unique J



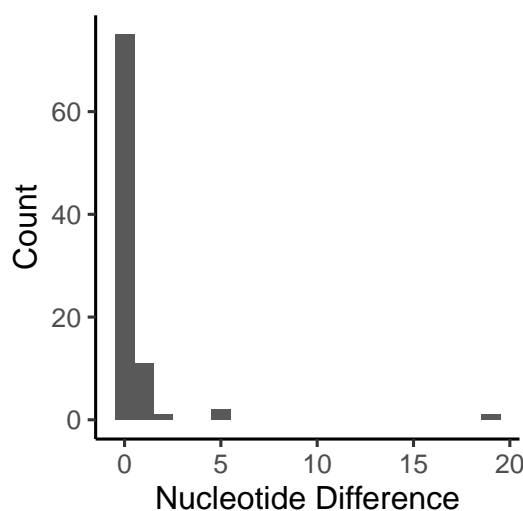
IGKV1-8*01

350 sequences assigned
293 (83.7%) exact matches, in which:
218 unique CDR3
6 unique J



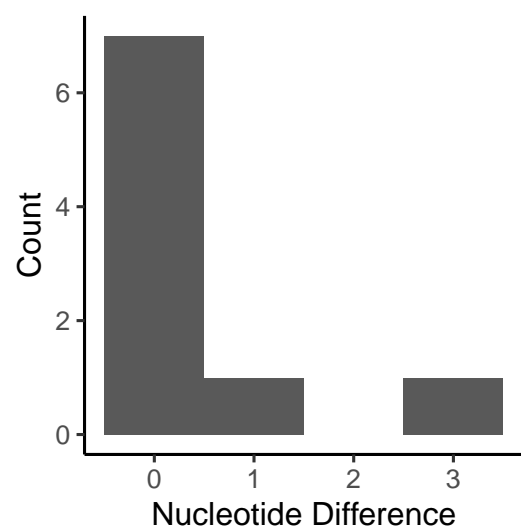
IGKV1-16*02_G71A

91 sequences assigned
75 (82.4%) exact matches, in which:
62 unique CDR3
5 unique J



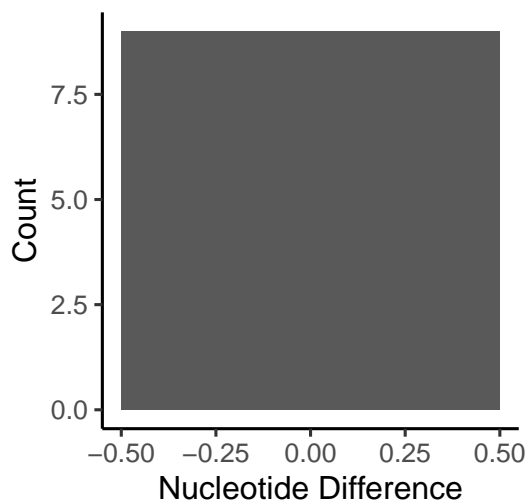
IGKV2/OR22-4*01

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



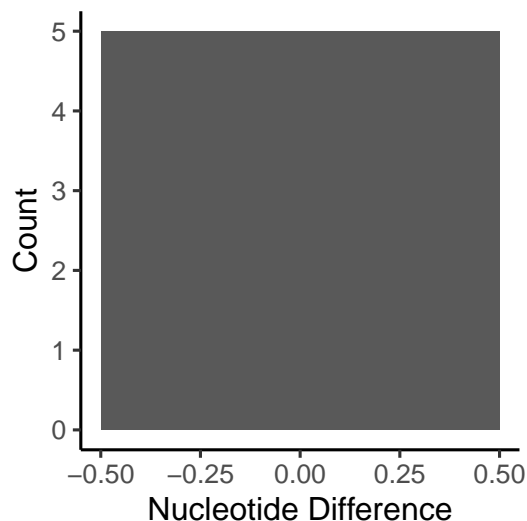
IGKV2-18*01

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



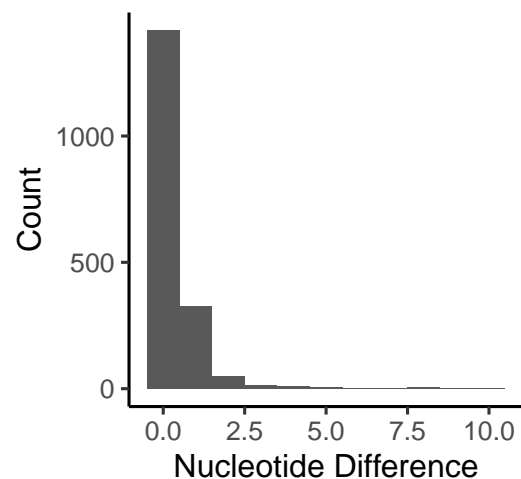
IGKV1/OR2-108*01

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



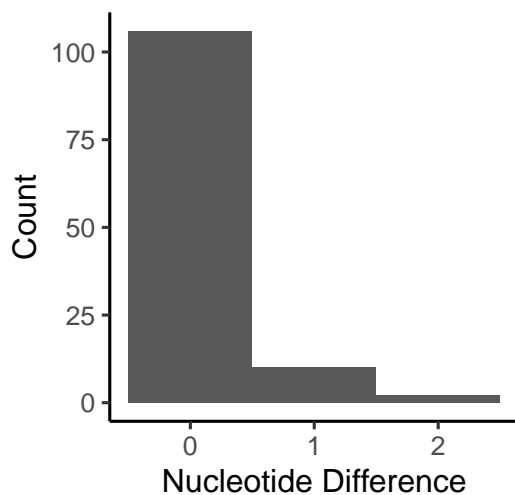
IGKV3-15*01

1832 sequences assigned
1418 (77.4%) exact matches, in which:
1121 unique CDR3
6 unique J



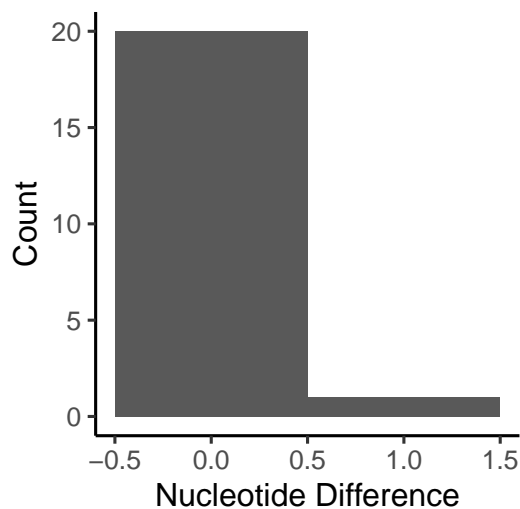
IGKV2-24*01

118 sequences assigned
106 (89.8%) exact matches, in which:
91 unique CDR3
6 unique J



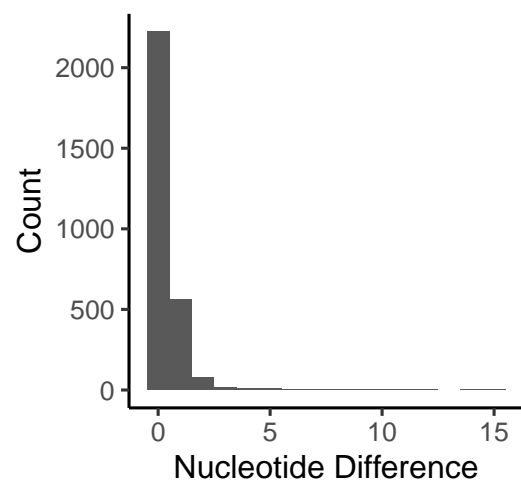
IGKV3-7*04

21 sequences assigned
20 (95.2%) exact matches, in which:
20 unique CDR3
5 unique J



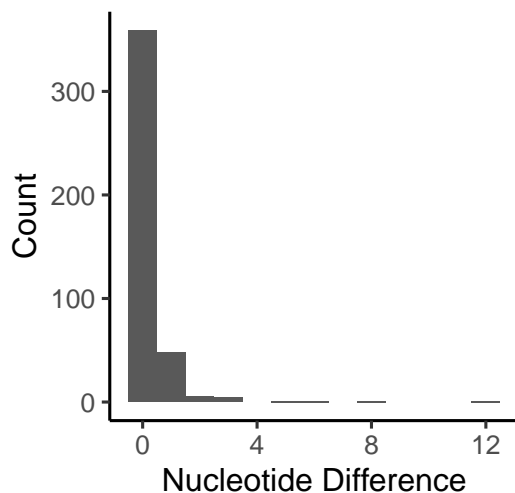
IGKV3-20*01

2907 sequences assigned
2223 (76.5%) exact matches, in which:
1740 unique CDR3
6 unique J



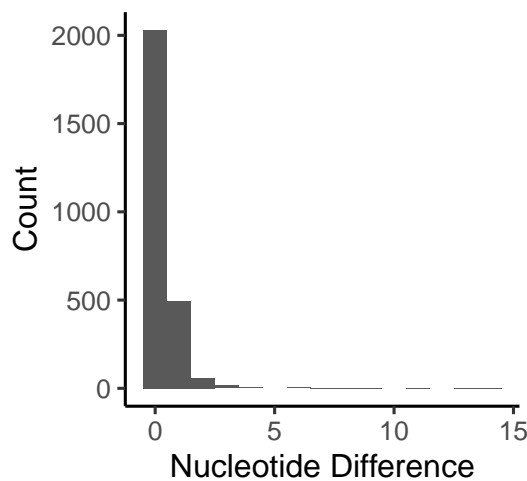
IGKV2-30*01

420 sequences assigned
359 (85.5%) exact matches, in which:
309 unique CDR3
6 unique J



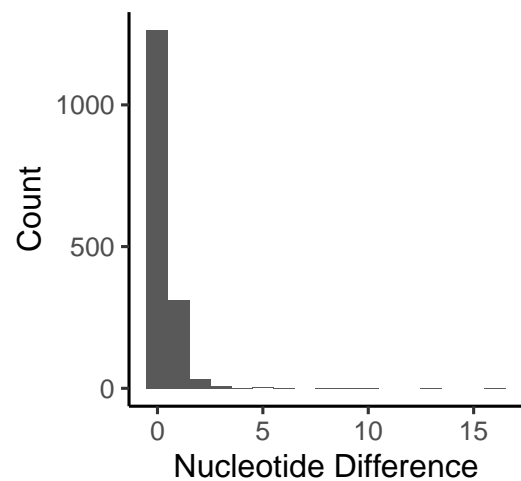
IGKV3-11*01

2620 sequences assigned
2030 (77.5%) exact matches, in which:
1532 unique CDR3
6 unique J



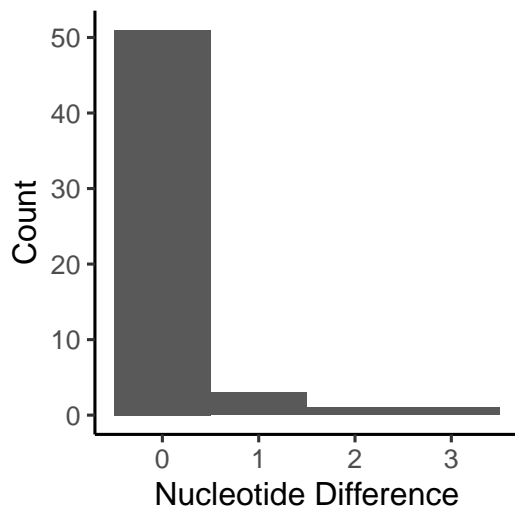
IGKV4-1*01

1627 sequences assigned
1264 (77.7%) exact matches, in which:
888 unique CDR3
6 unique J



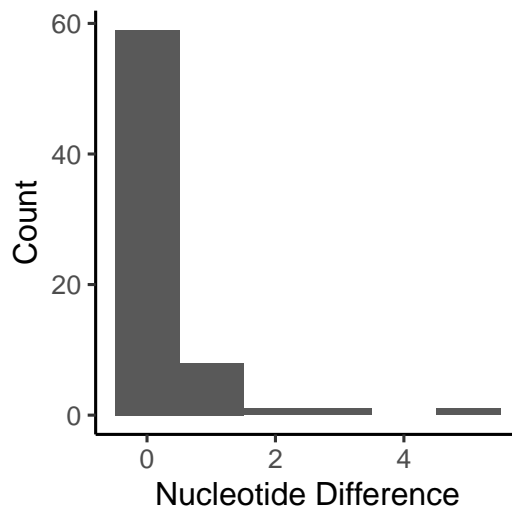
IGKV5-2*01

56 sequences assigned
51 (91.1%) exact matches, in which:
48 unique CDR3
5 unique J



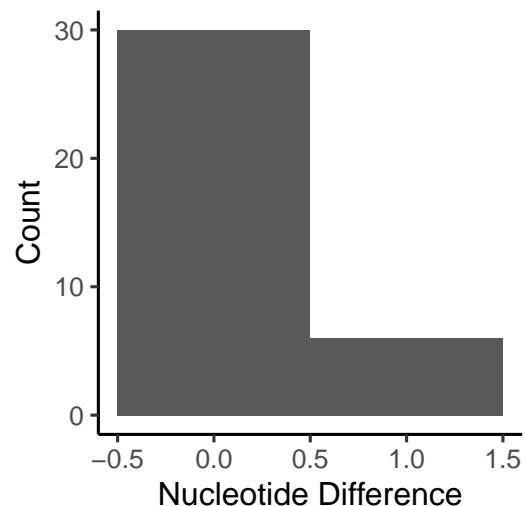
IGKV1D-8*02

70 sequences assigned
59 (84.3%) exact matches, in which:
47 unique CDR3
5 unique J



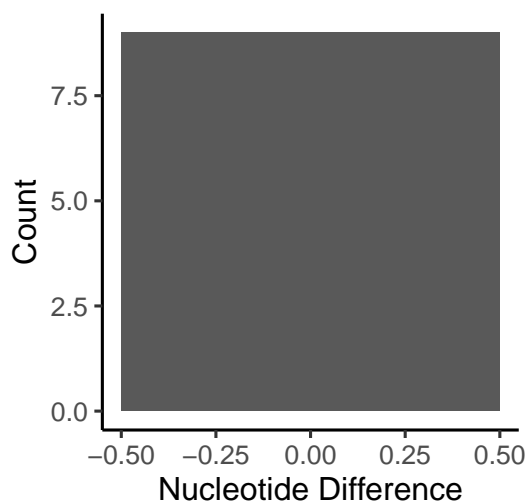
IGKV3D-15*03

36 sequences assigned
30 (83.3%) exact matches, in which:
30 unique CDR3
5 unique J



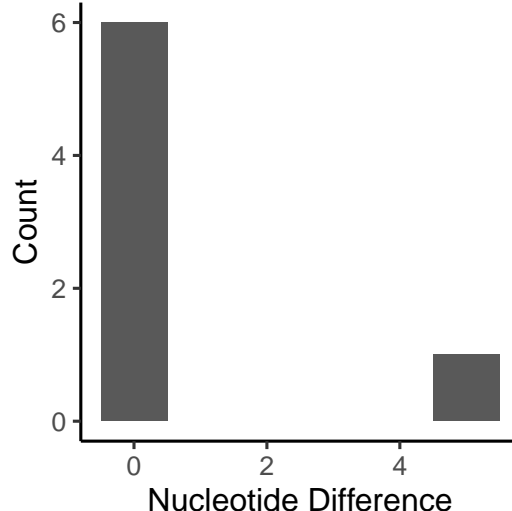
IGKV7-3*01

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



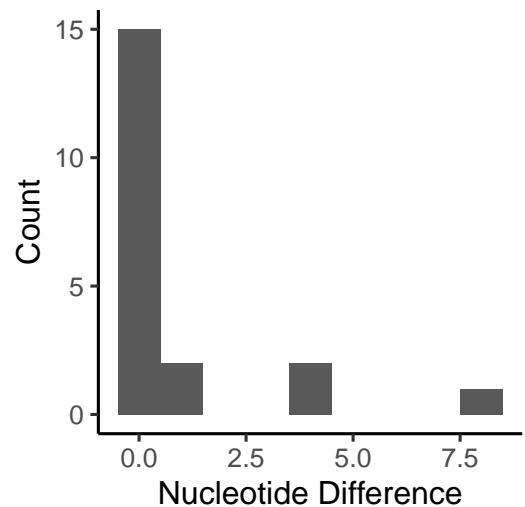
IGKV3D-11*02

7 sequences assigned
6 (85.7%) exact matches, in which:
6 unique CDR3
2 unique J



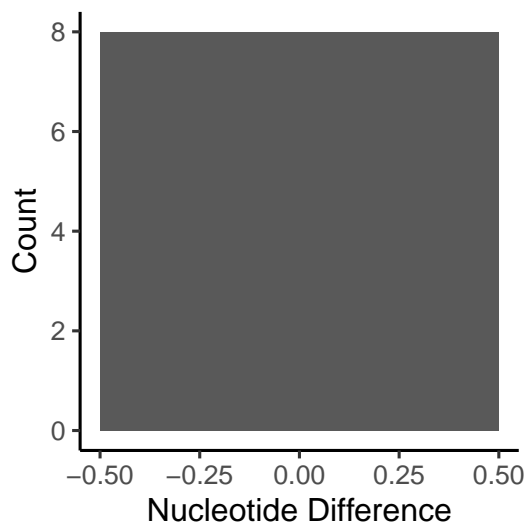
IGKV1D-16*01

20 sequences assigned
15 (75%) exact matches, in which:
13 unique CDR3
4 unique J



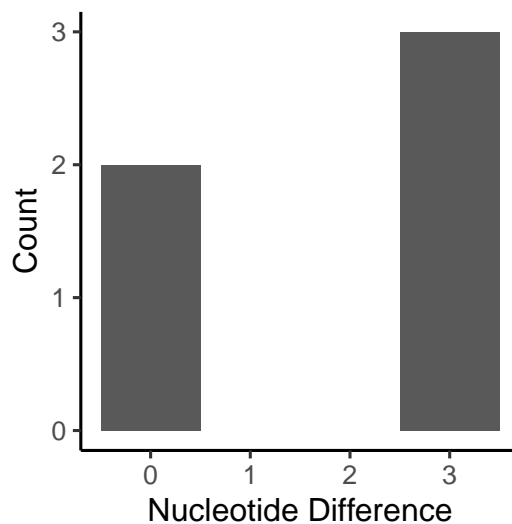
IGKV3D-7*01

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



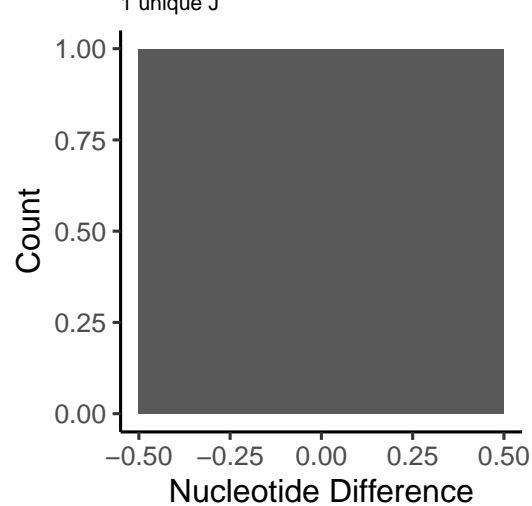
IGKV3D-15*01

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



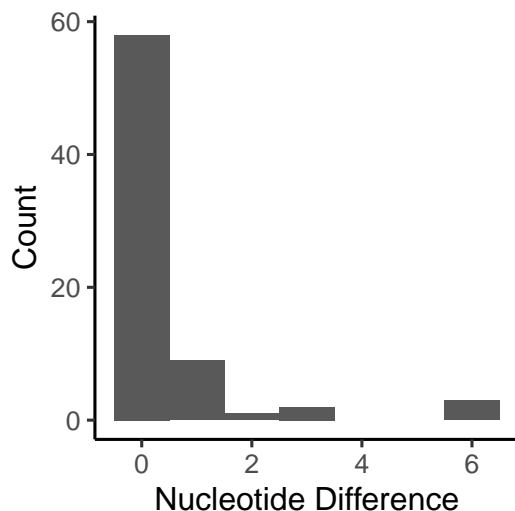
IGKV1D-17*01

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



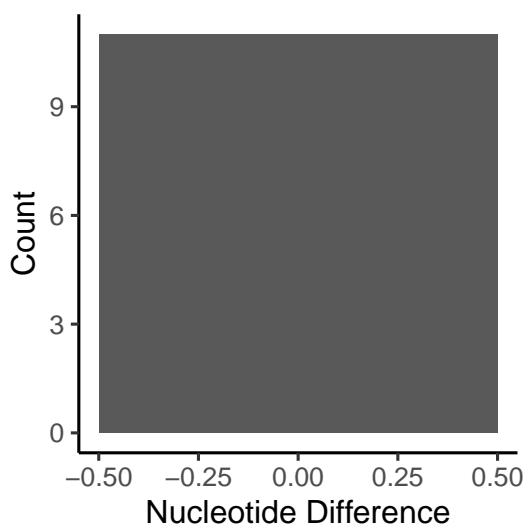
IGKV3D-20*01

73 sequences assigned
58 (79.5%) exact matches, in which:
53 unique CDR3
5 unique J



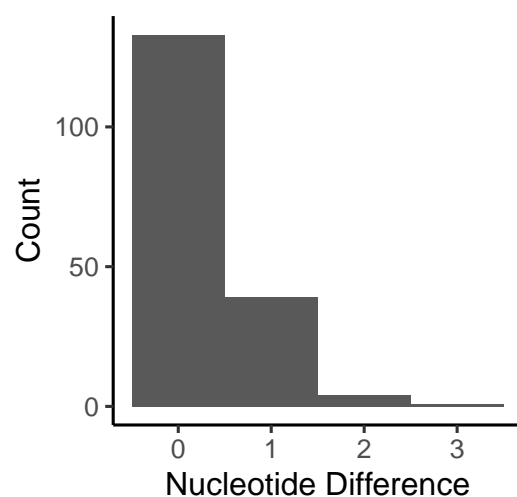
IGKV2D-30*01

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



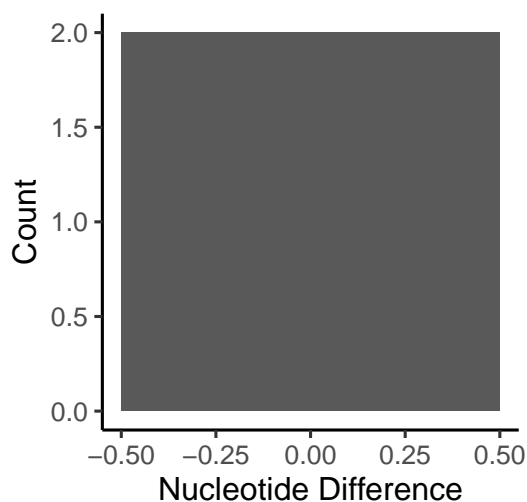
IGKV1E-12*01

177 sequences assigned
133 (75.1%) exact matches, in which:
103 unique CDR3
6 unique J



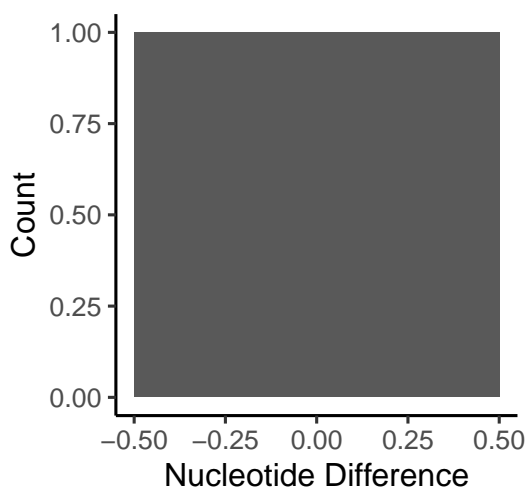
IGKV2D-26*03

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



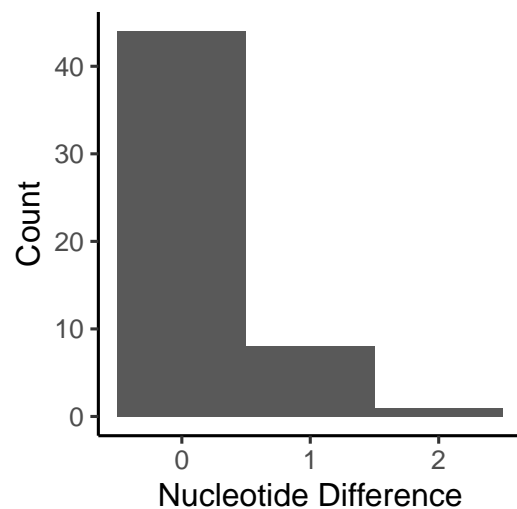
IGKV6D-41*01

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



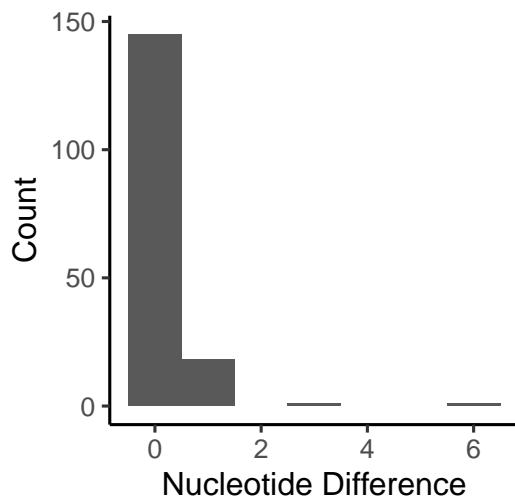
IGKV1E-12*02

53 sequences assigned
44 (83%) exact matches, in which:
30 unique CDR3
6 unique J



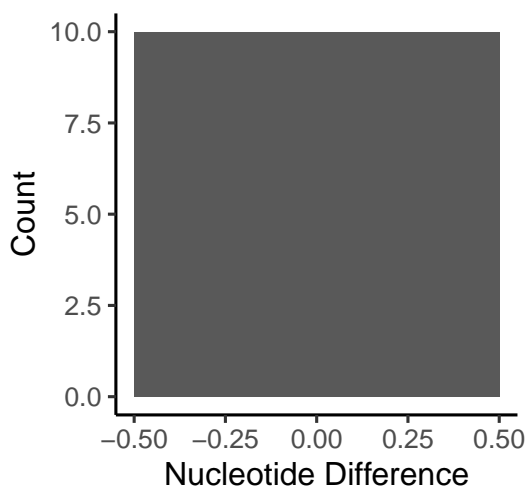
IGKV2D-29*01

165 sequences assigned
145 (87.9%) exact matches, in which:
125 unique CDR3
5 unique J



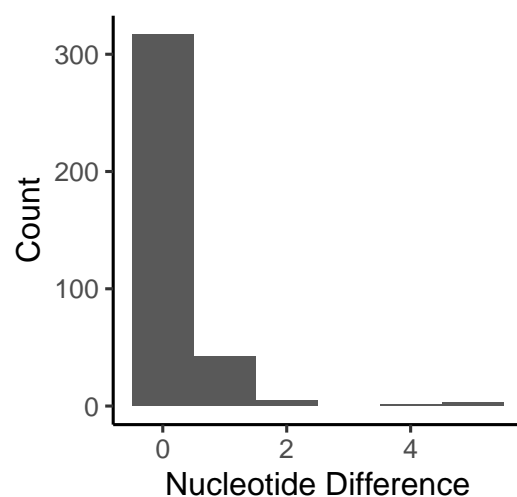
IGKV1D-43*01

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



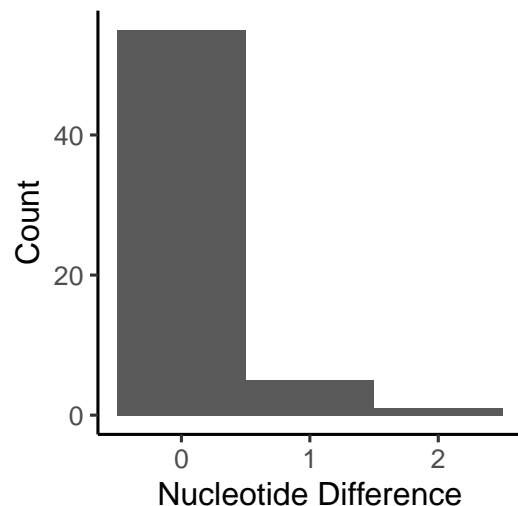
IGKV1E-13*02

368 sequences assigned
317 (86.1%) exact matches, in which:
263 unique CDR3
5 unique J



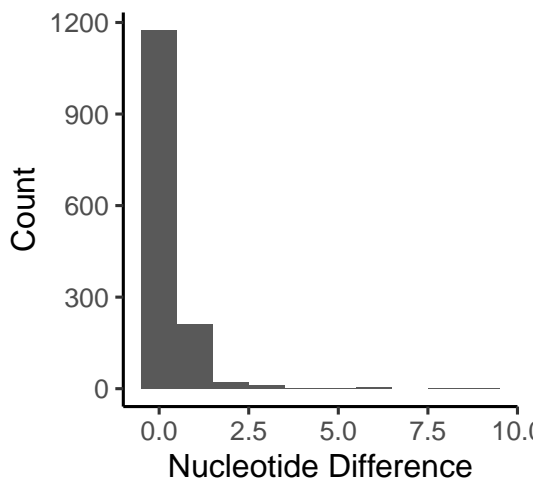
IGKV6E-21*01

62 sequences assigned
55 (88.7%) exact matches, in which:
46 unique CDR3
6 unique J



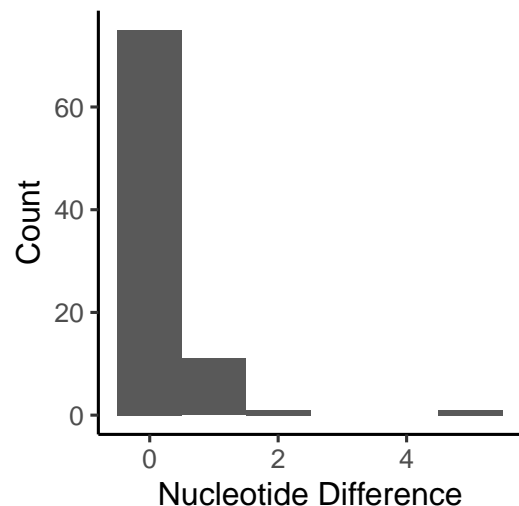
IGKV1E-33*01

1428 sequences assigned
1174 (82.2%) exact matches, in which:
908 unique CDR3
6 unique J



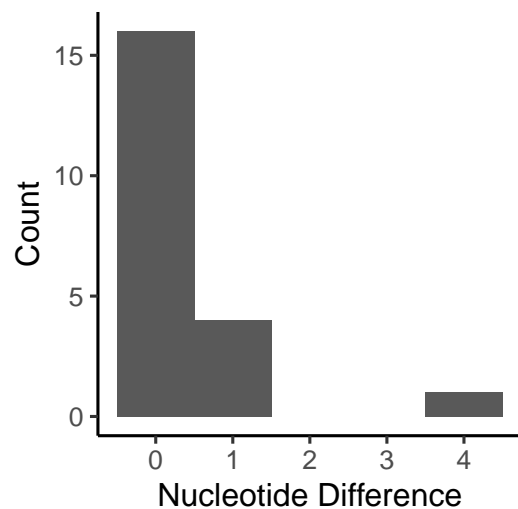
IGKV2E-40*01

88 sequences assigned
75 (85.2%) exact matches, in which:
67 unique CDR3
6 unique J



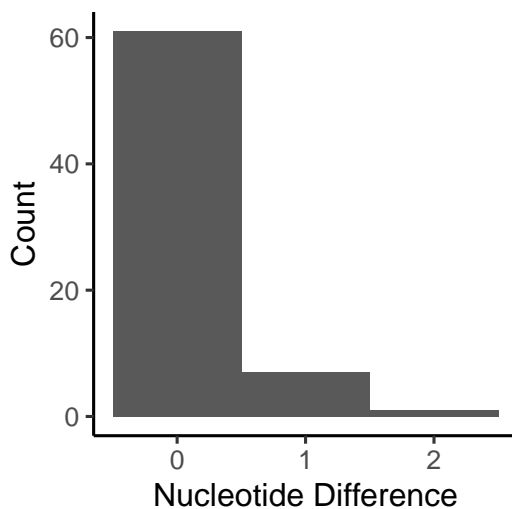
IGKV6E-21*03

21 sequences assigned
16 (76.2%) exact matches, in which:
15 unique CDR3
4 unique J



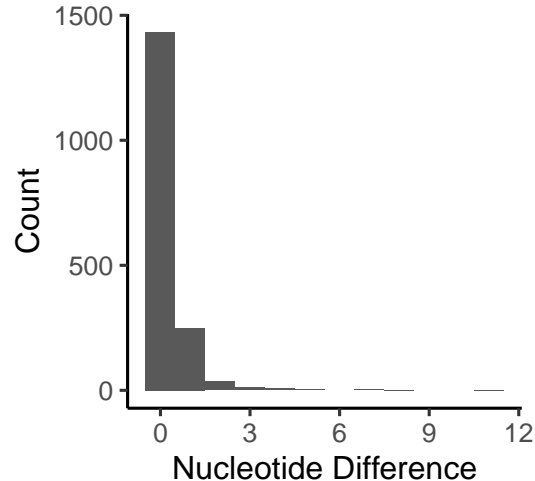
IGKV1E-37*01

69 sequences assigned
61 (88.4%) exact matches, in which:
56 unique CDR3
6 unique J



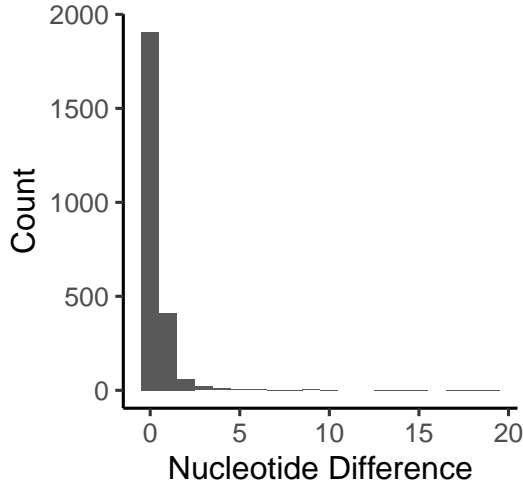
IGKV2E-28*01

1745 sequences assigned
1433 (82.1%) exact matches, in which:
1081 unique CDR3
6 unique J

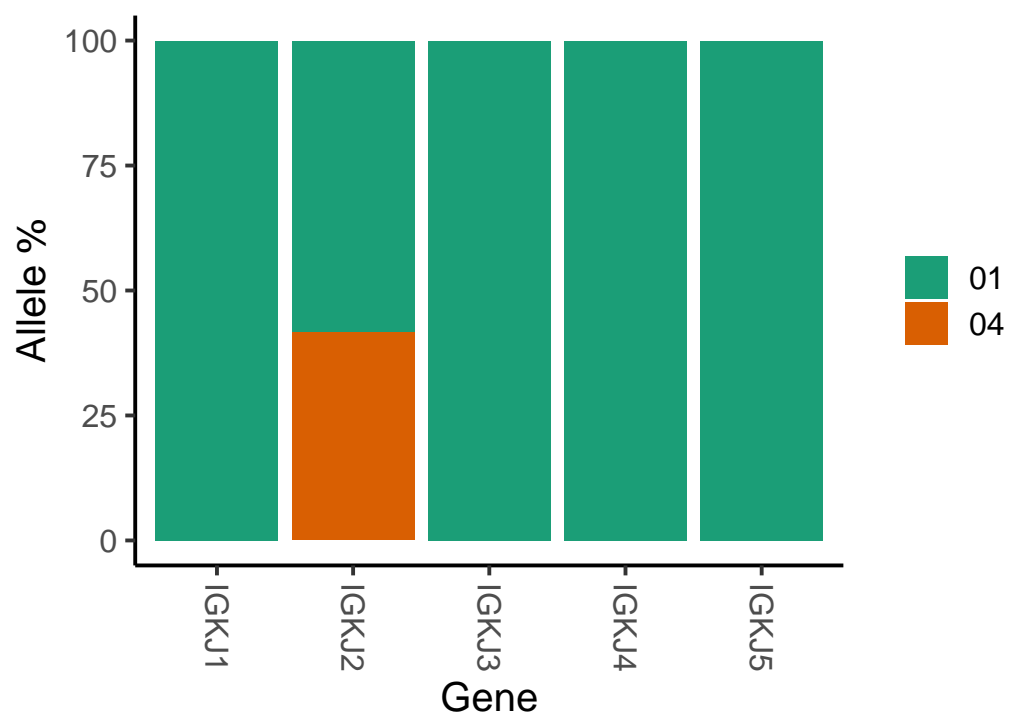


IGKV1E-39*01

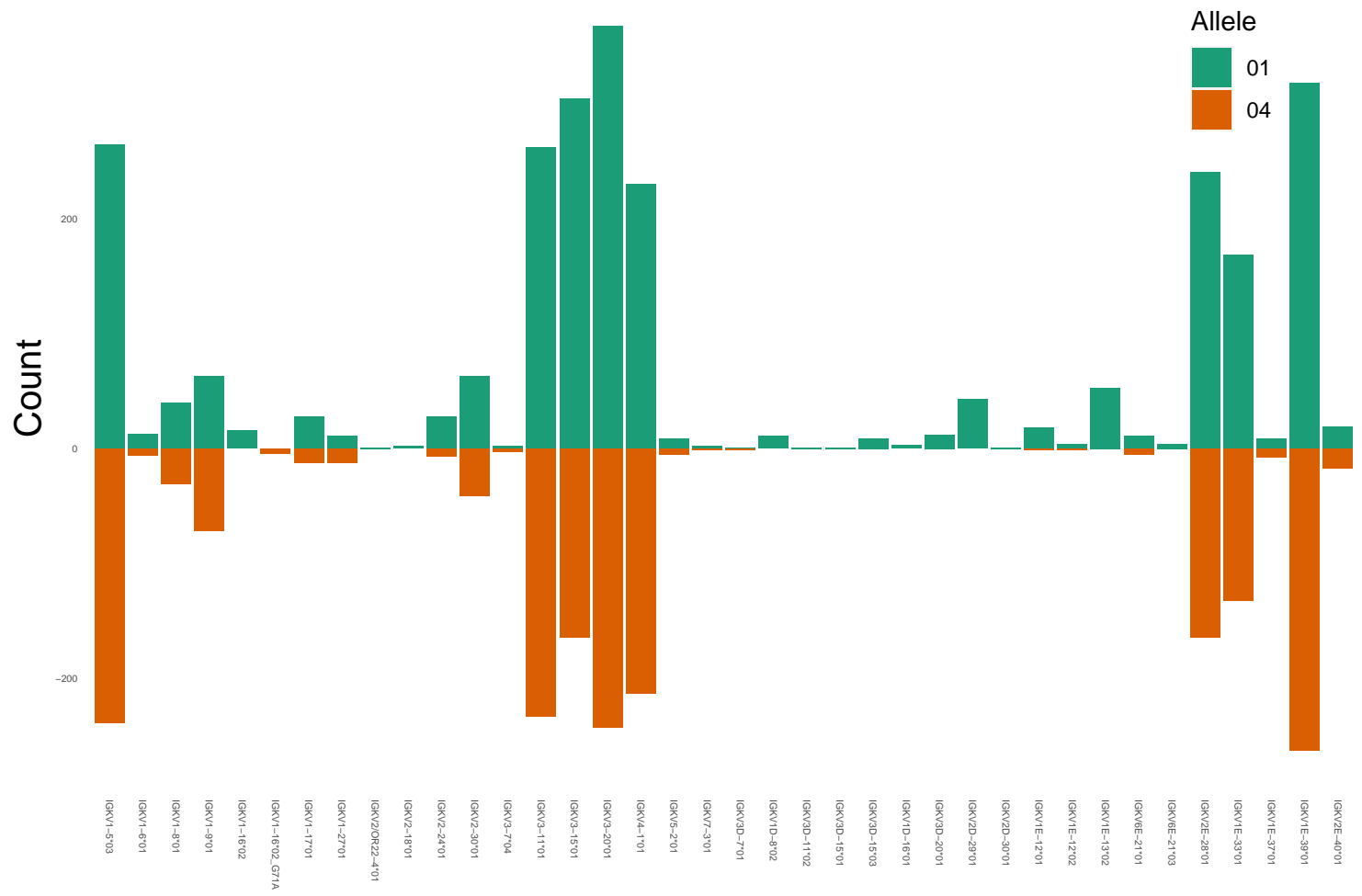
2436 sequences assigned
1906 (78.2%) exact matches, in which:
1457 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGKJ2 allele usage



Warning – no inferred sequences found.