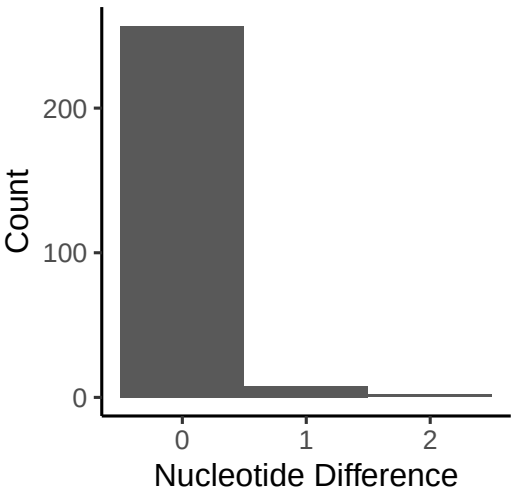
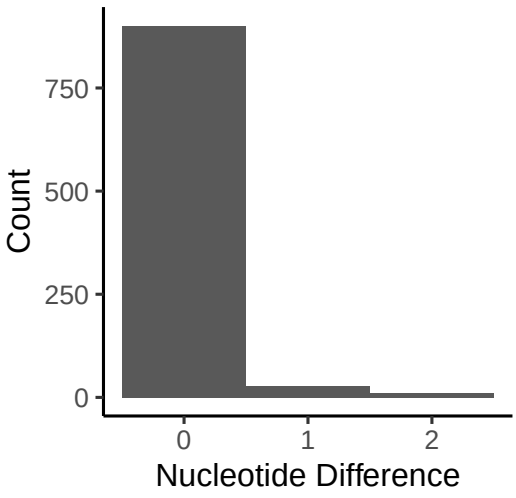
IGHV1−2*04

267 sequences assigned
257 (96.3%) exact matches, in which:
255 unique CDR3
7 unique J



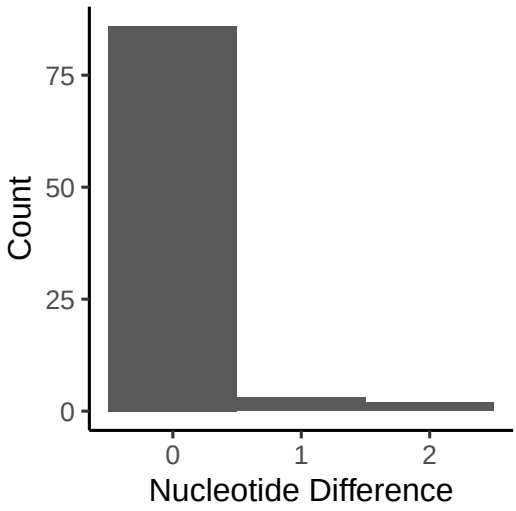
IGHV1−18*01

940 sequences assigned
901 (95.9%) exact matches, in which:
898 unique CDR3
7 unique J



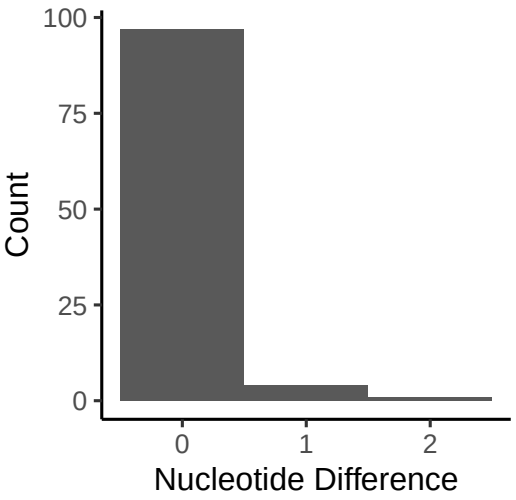
IGHV1−46*03

91 sequences assigned
86 (94.5%) exact matches, in which:
86 unique CDR3
4 unique J



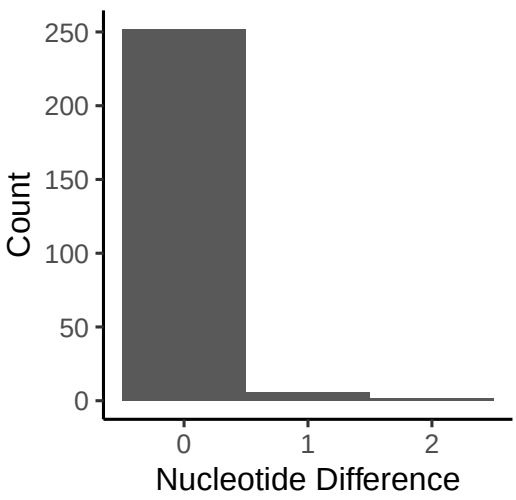
IGHV1−3*01_05

102 sequences assigned
97 (95.1%) exact matches, in which:
97 unique CDR3
4 unique J



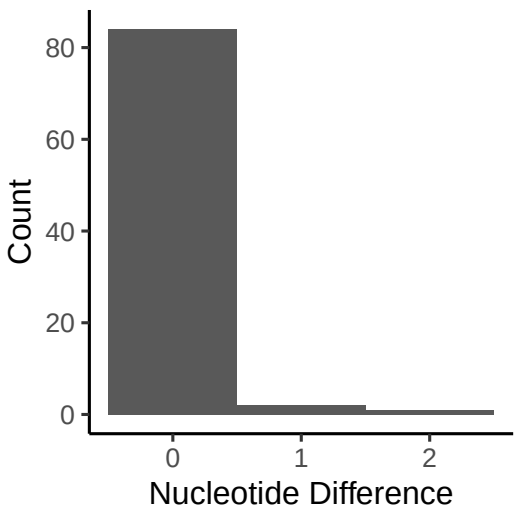
IGHV1−24*01

260 sequences assigned
252 (96.9%) exact matches, in which:
252 unique CDR3
6 unique J



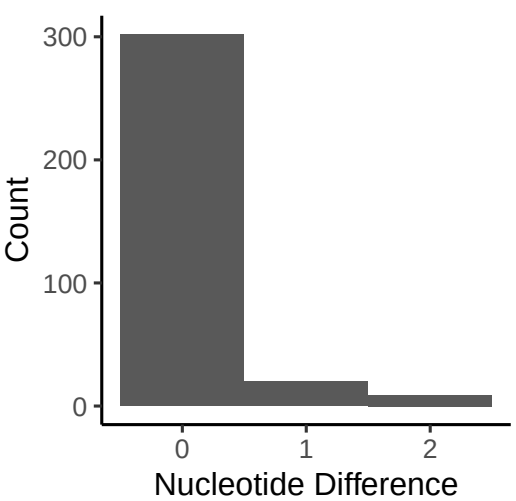
IGHV1−58*01_03

87 sequences assigned
84 (96.6%) exact matches, in which:
84 unique CDR3
6 unique J



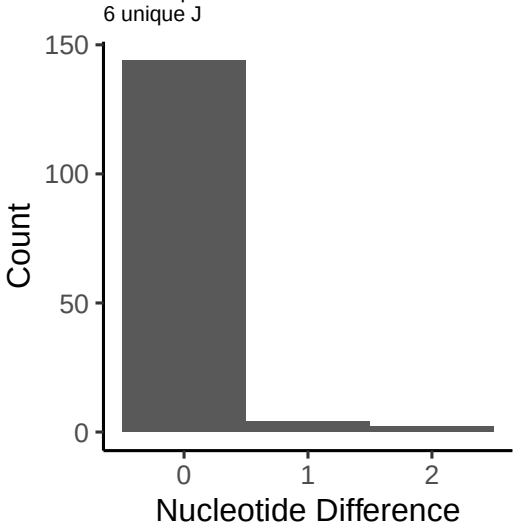
IGHV1−8*01

331 sequences assigned
302 (91.2%) exact matches, in which:
302 unique CDR3
7 unique J



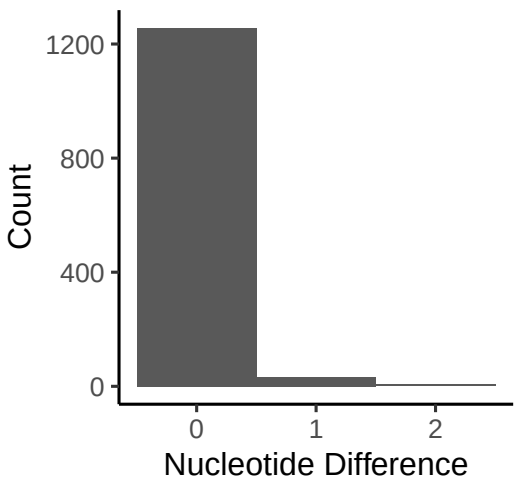
IGHV1−46*01

150 sequences assigned
144 (96%) exact matches, in which:
144 unique CDR3
6 unique J



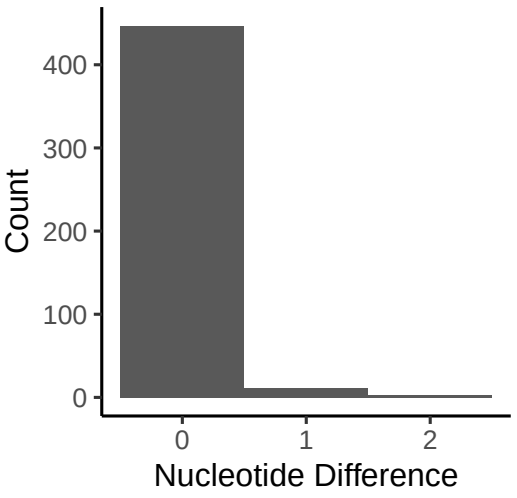
IGHV1−69*01_12_13

1296 sequences assigned
1256 (96.9%) exact matches, in which:
1254 unique CDR3
7 unique J



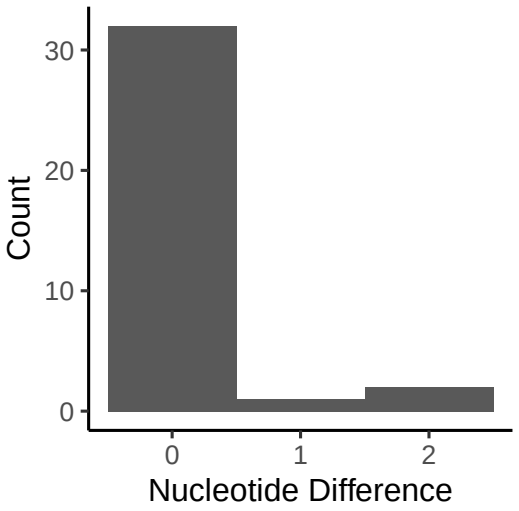
IGHV1−69*06_14

461 sequences assigned
447 (97%) exact matches, in which:
447 unique CDR3
6 unique J



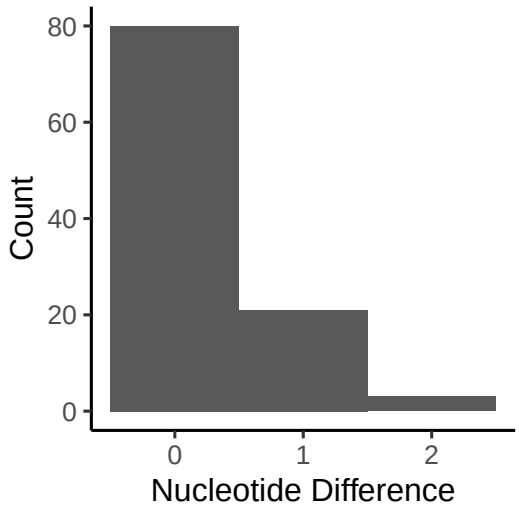
IGHV2−26*01

35 sequences assigned
32 (91.4%) exact matches, in which:
32 unique CDR3
6 unique J



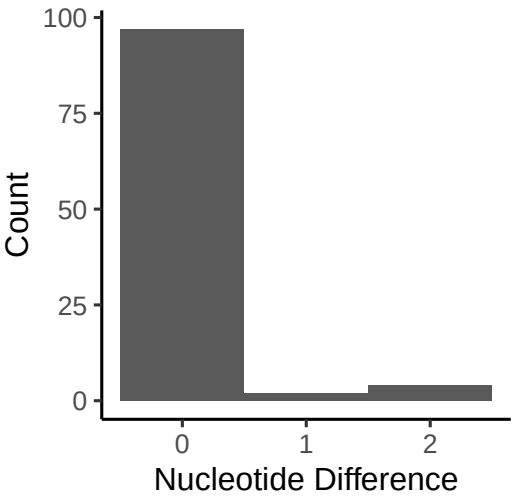
IGHV3−7*04

104 sequences assigned
80 (76.9%) exact matches, in which:
78 unique CDR3
6 unique J



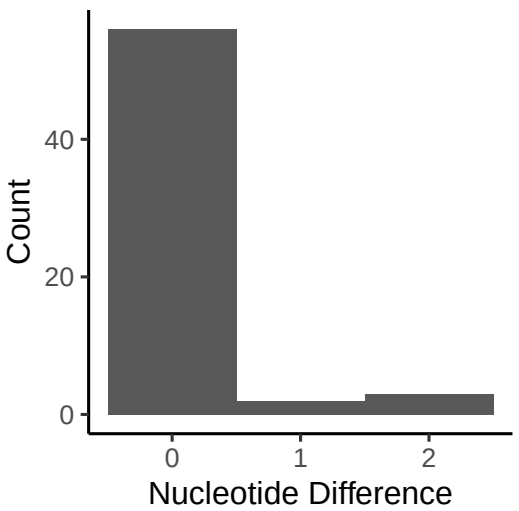
IGHV2−5*01

103 sequences assigned
97 (94.2%) exact matches, in which:
97 unique CDR3
6 unique J



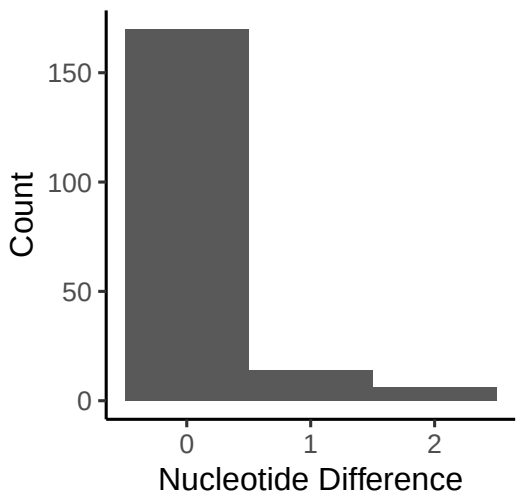
IGHV2−70*01

61 sequences assigned
56 (91.8%) exact matches, in which:
55 unique CDR3
6 unique J



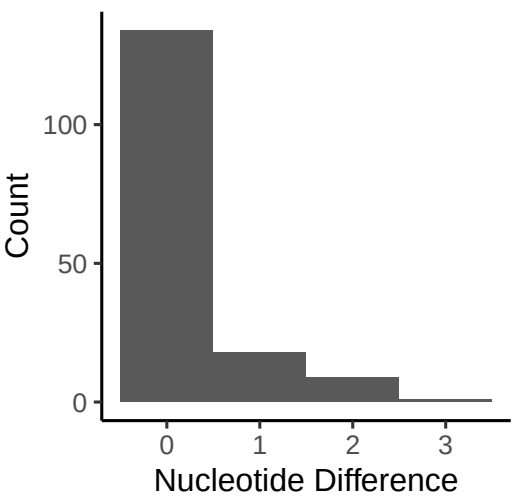
IGHV3−9*01

190 sequences assigned
170 (89.5%) exact matches, in which:
169 unique CDR3
6 unique J



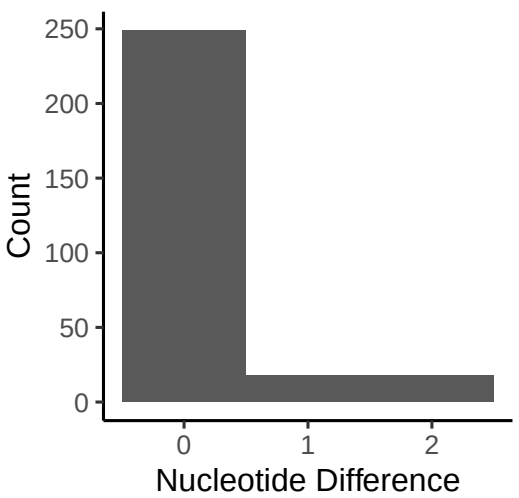
IGHV2−5*02

162 sequences assigned
134 (82.7%) exact matches, in which:
133 unique CDR3
6 unique J



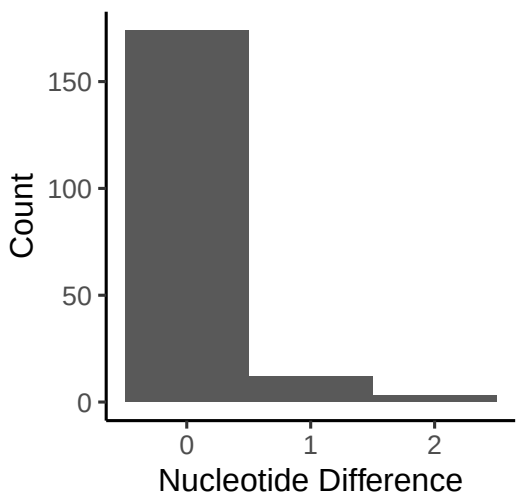
IGHV3−7*01

285 sequences assigned
249 (87.4%) exact matches, in which:
245 unique CDR3
6 unique J



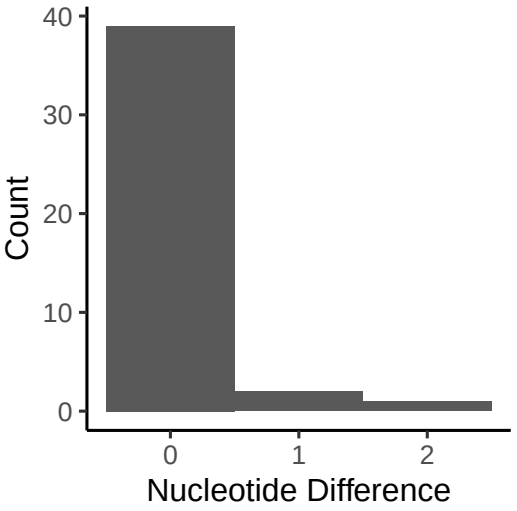
IGHV3−11*01

189 sequences assigned
174 (92.1%) exact matches, in which:
169 unique CDR3
6 unique J



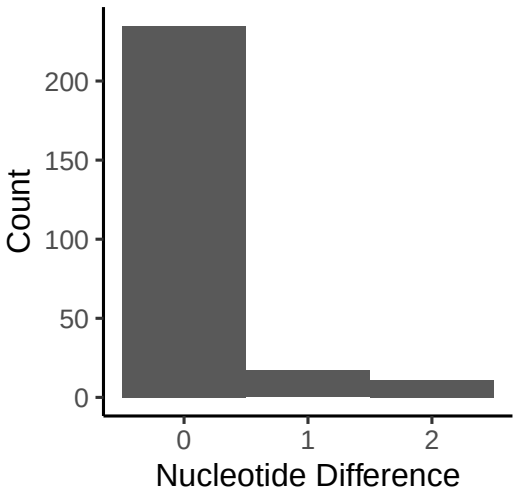
IGHV3−11*06

42 sequences assigned
39 (92.9%) exact matches, in which:
39 unique CDR3
5 unique J



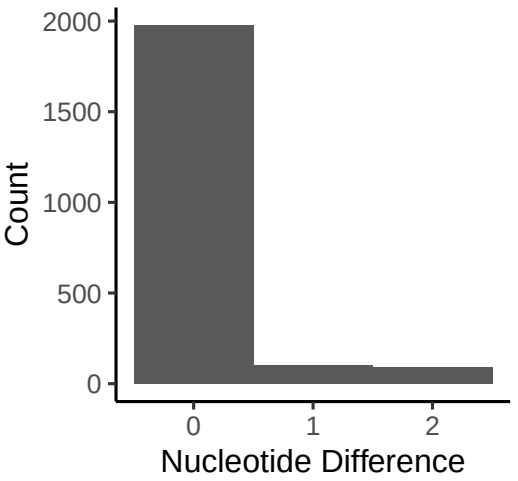
IGHV3−15*01_02

263 sequences assigned
235 (89.4%) exact matches, in which:
231 unique CDR3
7 unique J



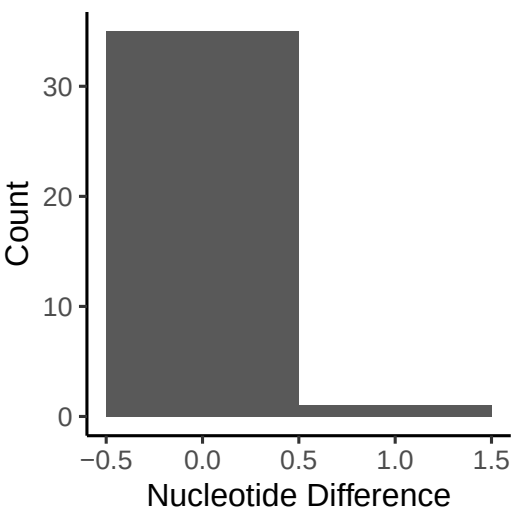
IGHV3−23*01_04

2173 sequences assigned
1976 (90.9%) exact matches, in which:
1919 unique CDR3
7 unique J



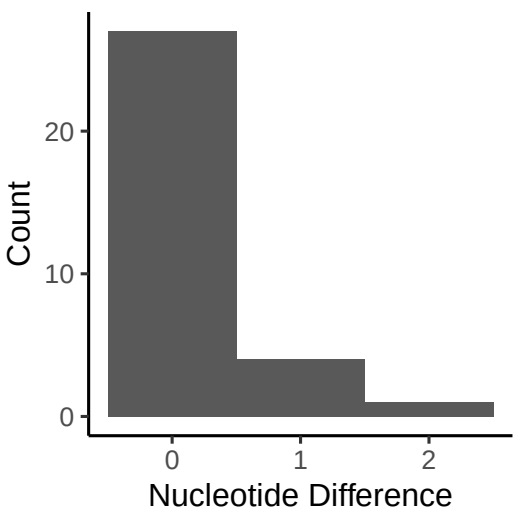
IGHV3−13*01

36 sequences assigned
35 (97.2%) exact matches, in which:
33 unique CDR3
4 unique J



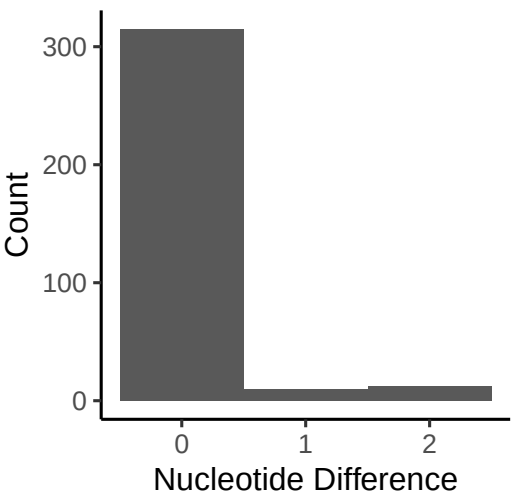
IGHV3−20*01_02

32 sequences assigned
27 (84.4%) exact matches, in which:
25 unique CDR3
5 unique J



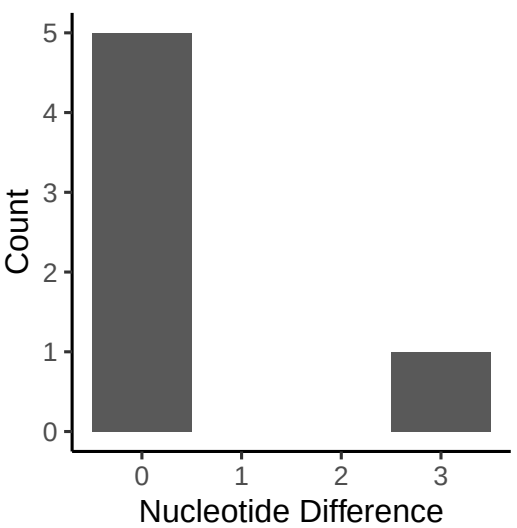
IGHV3−30*03

337 sequences assigned
315 (93.5%) exact matches, in which:
311 unique CDR3
7 unique J



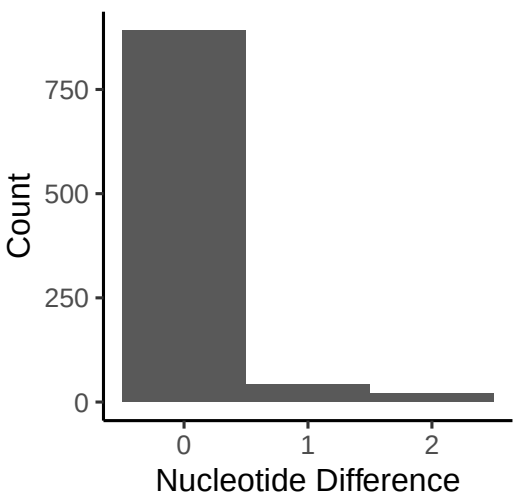
IGHV3−13*05

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



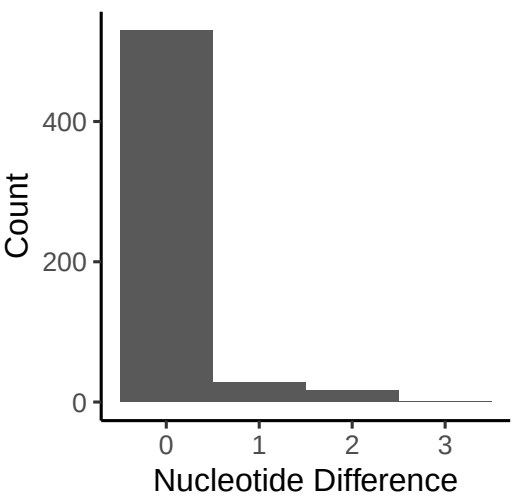
IGHV3−21*01_02

956 sequences assigned
892 (93.3%) exact matches, in which:
865 unique CDR3
7 unique J



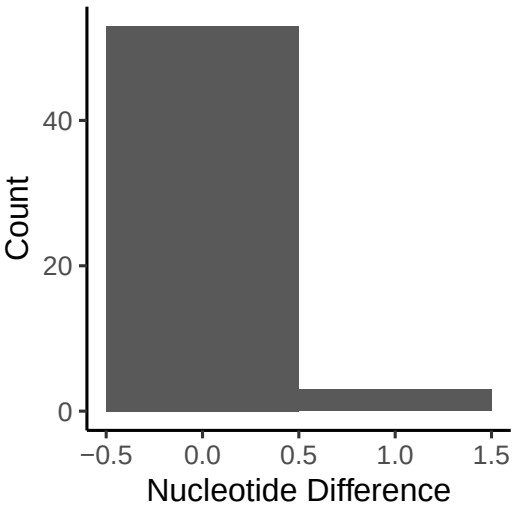
IGHV3−33*01

576 sequences assigned
530 (92%) exact matches, in which:
520 unique CDR3
7 unique J



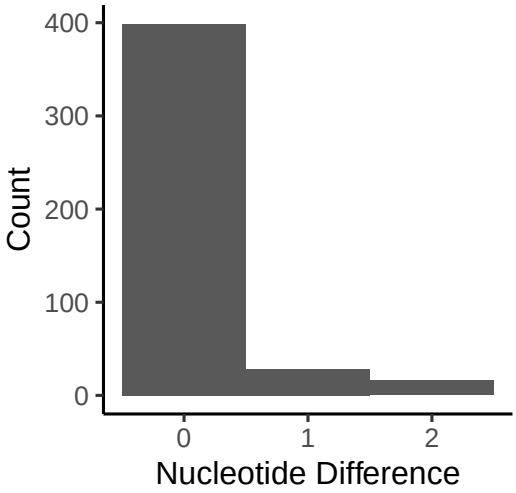
IGHV3−43*01

56 sequences assigned
53 (94.6%) exact matches, in which:
51 unique CDR3
6 unique J



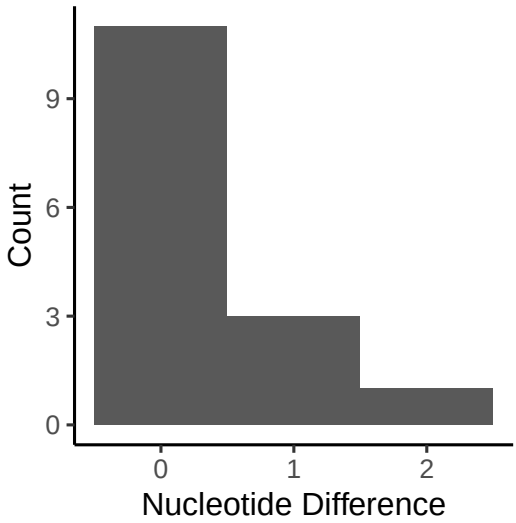
IGHV3−53*01_02

443 sequences assigned
399 (90.1%) exact matches, in which:
391 unique CDR3
7 unique J



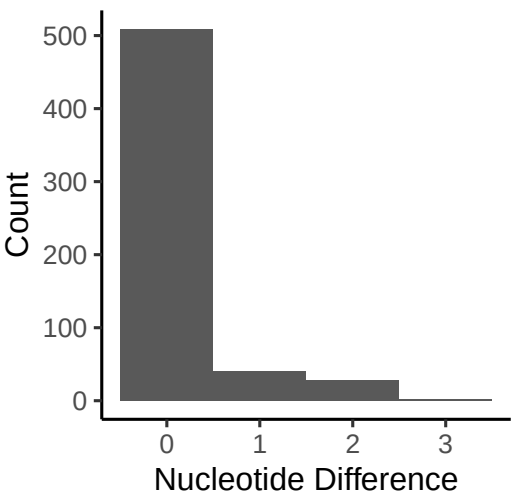
IGHV3−72*01

15 sequences assigned
11 (73.3%) exact matches, in which:
11 unique CDR3
3 unique J



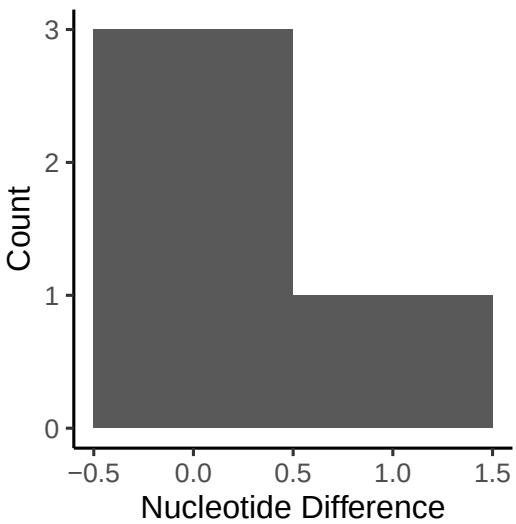
IGHV3−48*02

580 sequences assigned
509 (87.8%) exact matches, in which:
499 unique CDR3
7 unique J



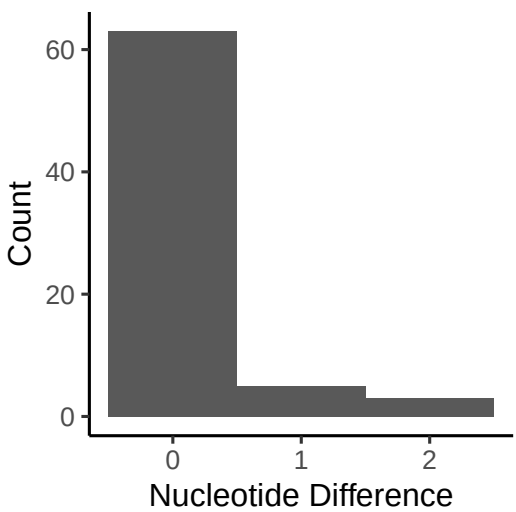
IGHV3−64*02_07

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



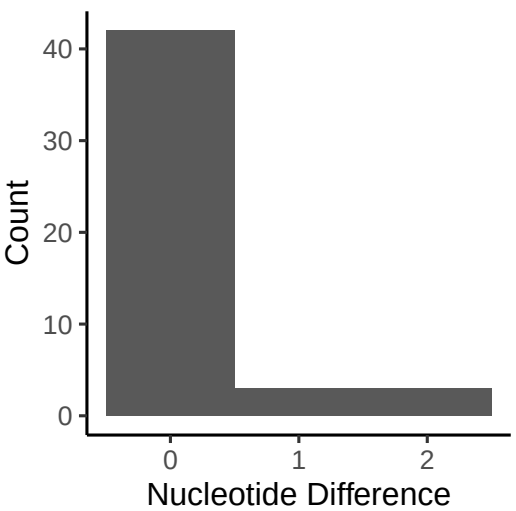
IGHV3−73*01_02

71 sequences assigned
63 (88.7%) exact matches, in which:
62 unique CDR3
6 unique J



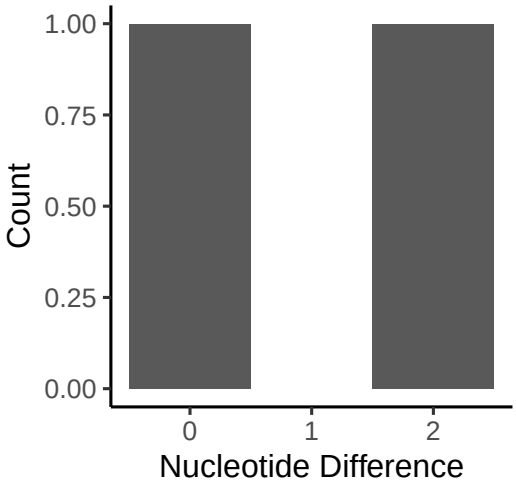
IGHV3−49*03_05

48 sequences assigned
42 (87.5%) exact matches, in which:
42 unique CDR3
6 unique J



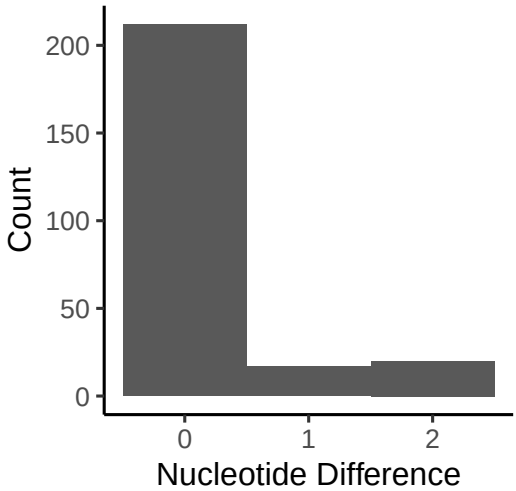
IGHV3−69−1*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



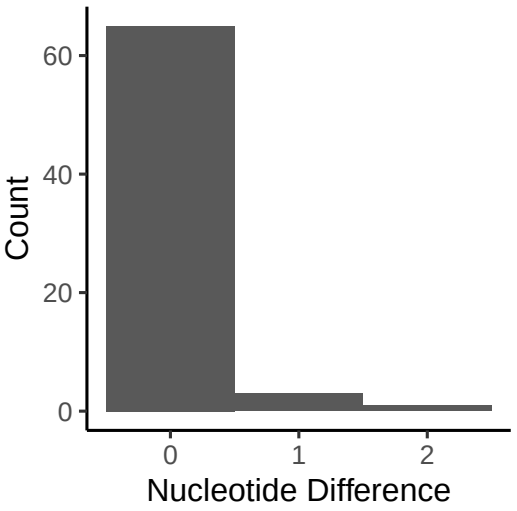
IGHV3−74*01_02

249 sequences assigned
212 (85.1%) exact matches, in which:
202 unique CDR3
7 unique J



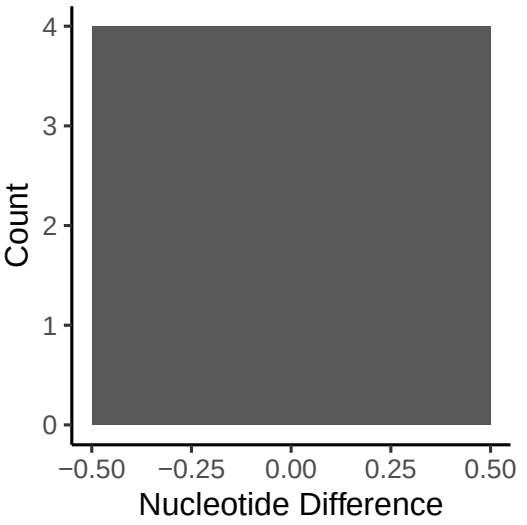
IGHV3−64D*06

69 sequences assigned
65 (94.2%) exact matches, in which:
63 unique CDR3
5 unique J



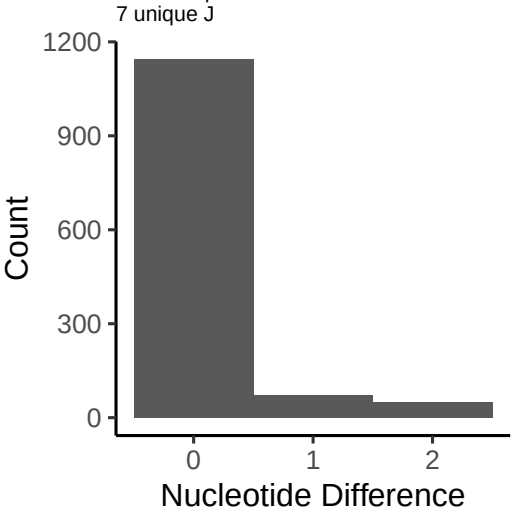
IGHV4−28*01_07

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



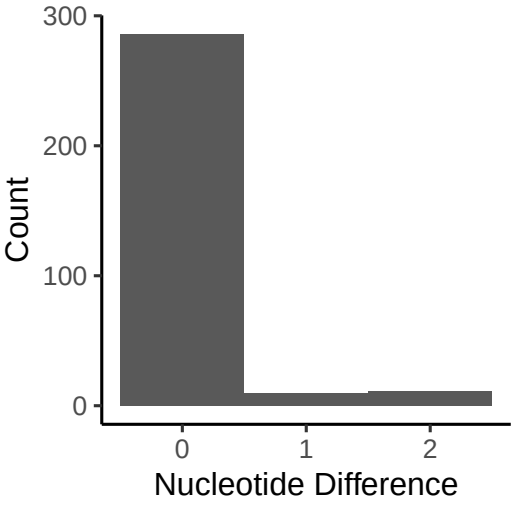
IGHV4−39*02_C258G

1267 sequences assigned
1144 (90.3%) exact matches, in which:
1125 unique CDR3
7 unique J



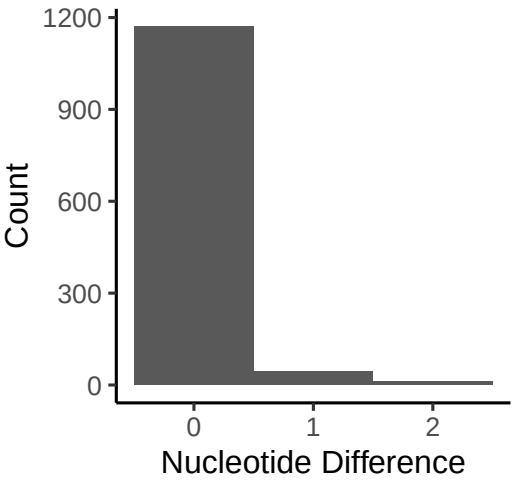
IGHV4−4*07

307 sequences assigned
286 (93.2%) exact matches, in which:
283 unique CDR3
5 unique J



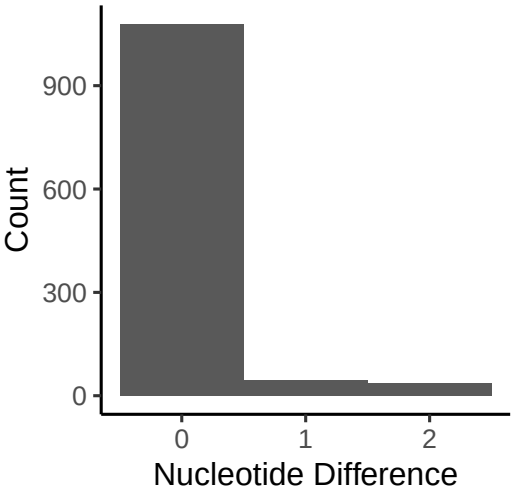
IGHV4−31*02

1226 sequences assigned
1170 (95.4%) exact matches, in which:
1154 unique CDR3
7 unique J



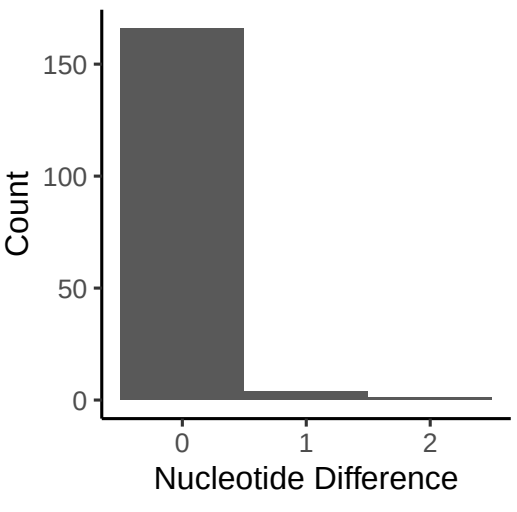
IGHV4−59*02_G88A

1160 sequences assigned
1079 (93%) exact matches, in which:
1047 unique CDR3
7 unique J



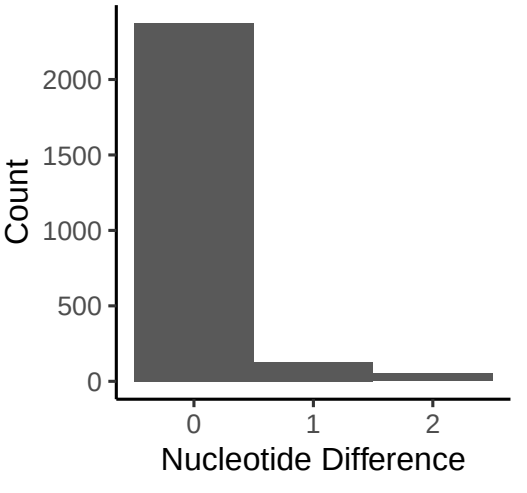
IGHV4−4*02_03

171 sequences assigned
166 (97.1%) exact matches, in which:
162 unique CDR3
6 unique J



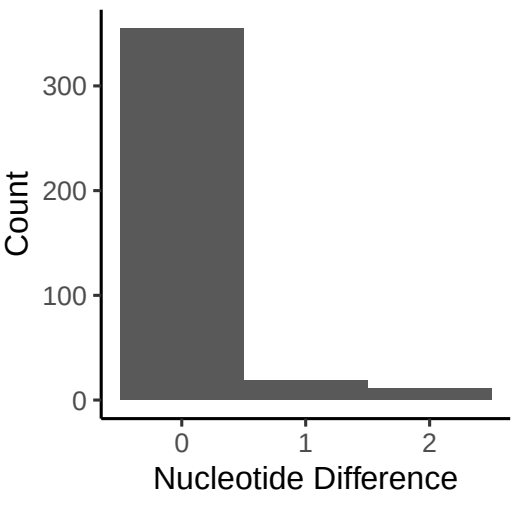
IGHV4−34*01_02

2556 sequences assigned
2374 (92.9%) exact matches, in which:
2299 unique CDR3
7 unique J



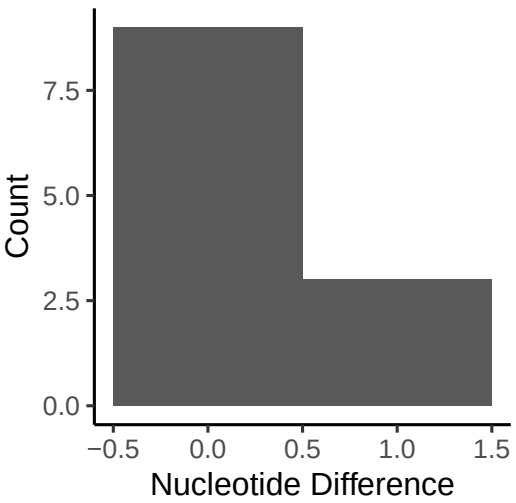
IGHV4−61*01

385 sequences assigned
355 (92.2%) exact matches, in which:
349 unique CDR3
7 unique J



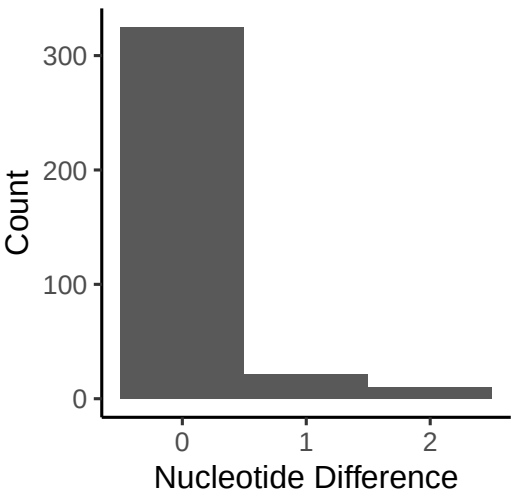
IGHV5−10−1*01_03

12 sequences assigned
9 (75%) exact matches, in which:
9 unique CDR3
4 unique J



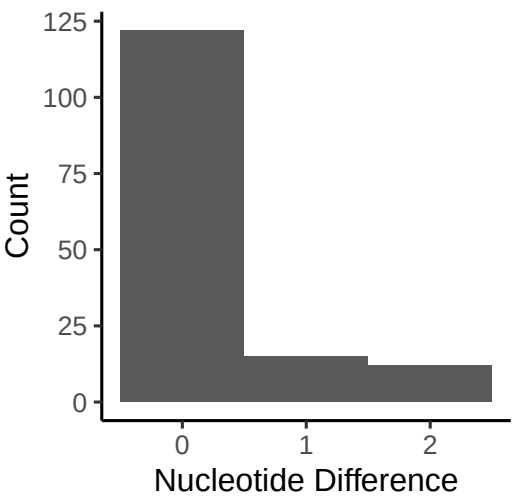
IGHV5−51*07_A128G

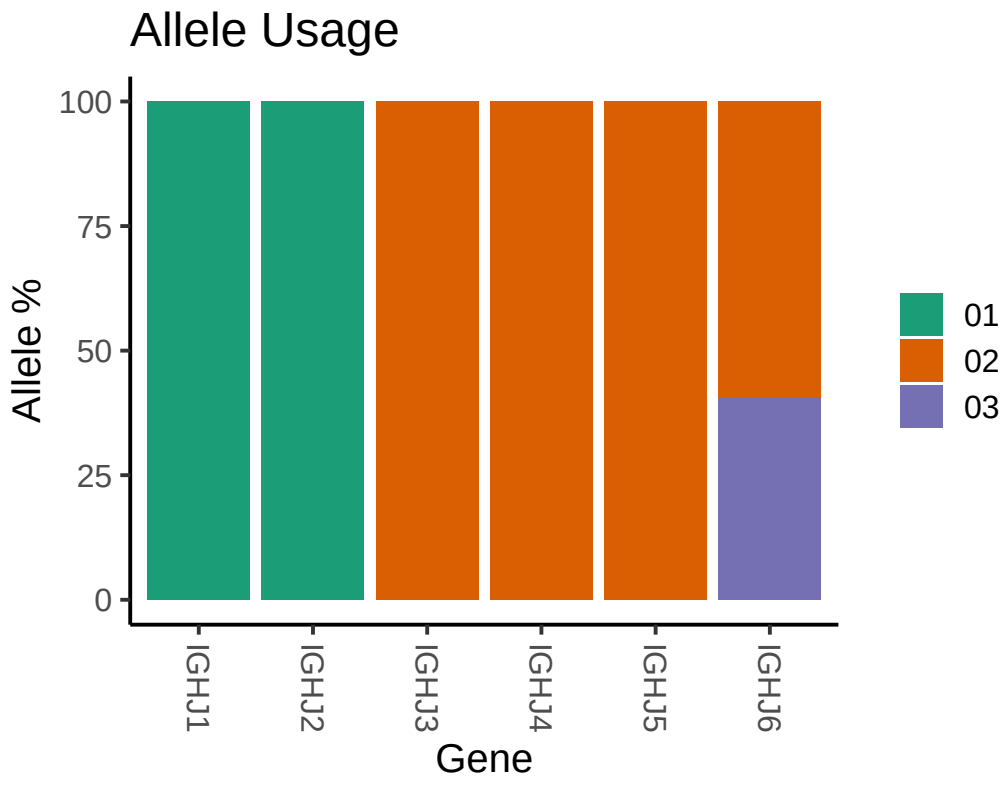
356 sequences assigned
325 (91.3%) exact matches, in which:
325 unique CDR3
7 unique J



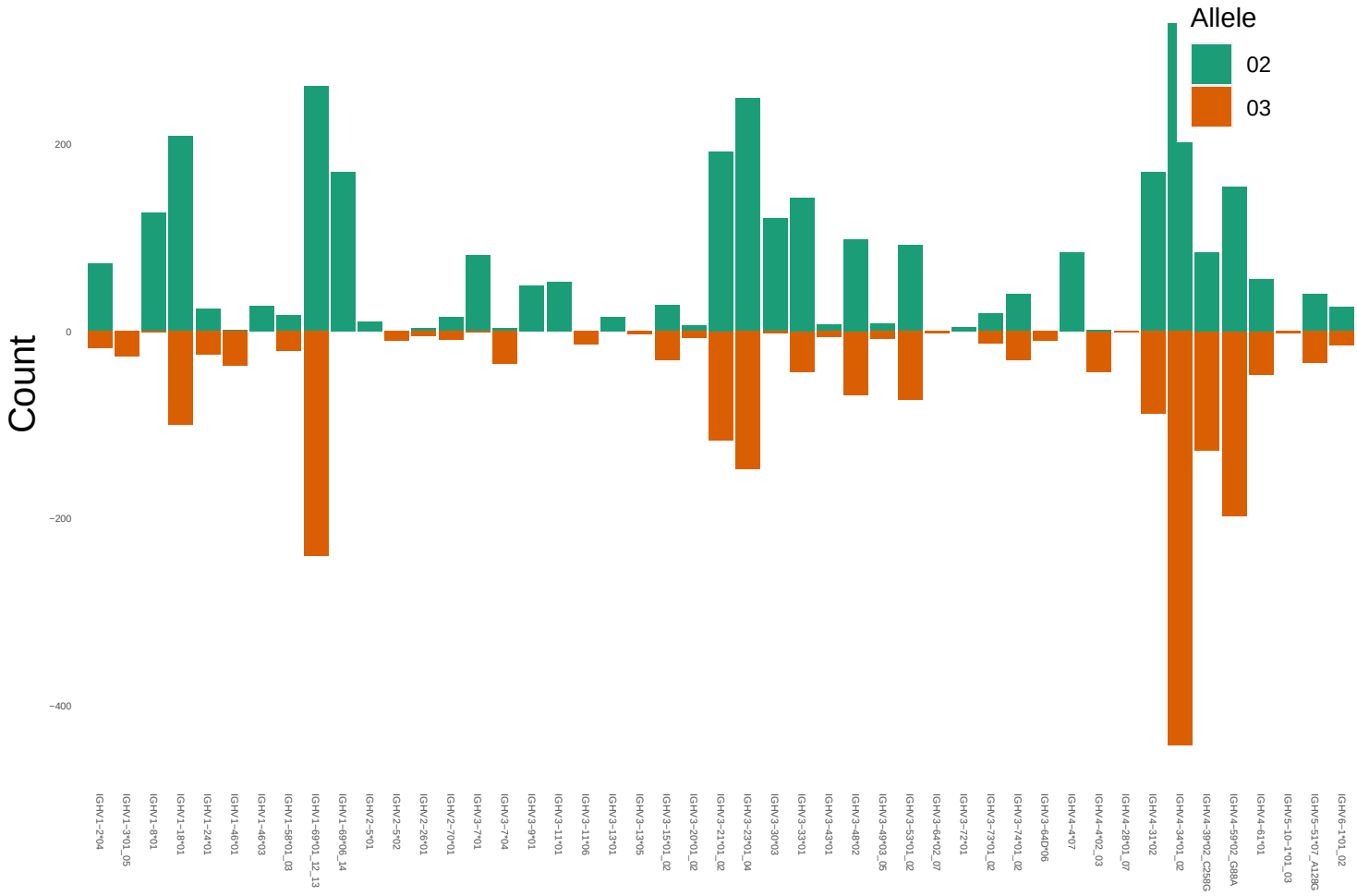
IGHV6−1*01_02

149 sequences assigned
122 (81.9%) exact matches, in which:
122 unique CDR3
7 unique J




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02
03

Sequence Count by IGHJ6 allele usage



Warning − no inferred sequences found.