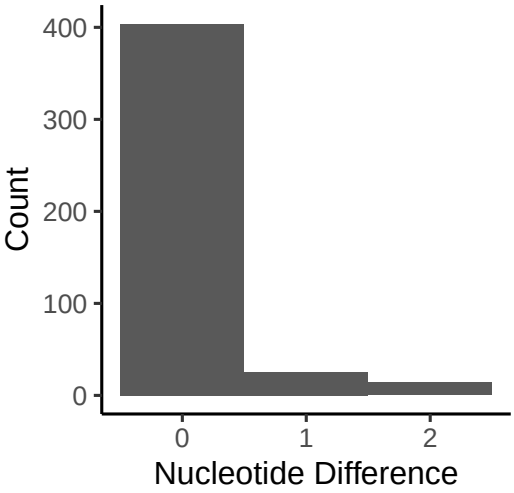
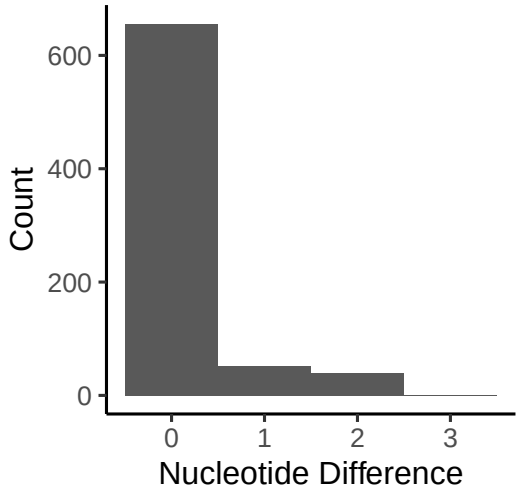
IGHV1−2*02

443 sequences assigned
404 (91.2%) exact matches, in which:
403 unique CDR3
7 unique J



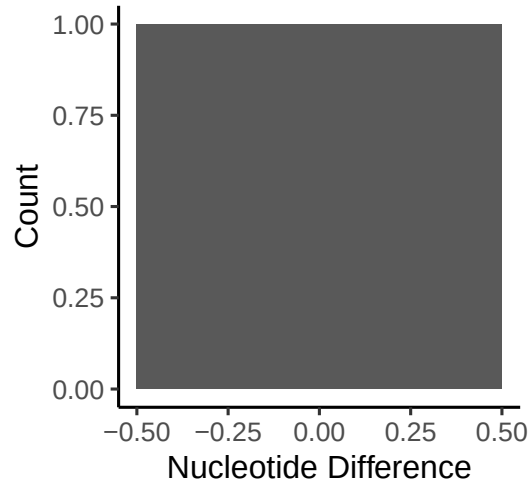
IGHV1−8*01

749 sequences assigned
656 (87.6%) exact matches, in which:
655 unique CDR3
7 unique J



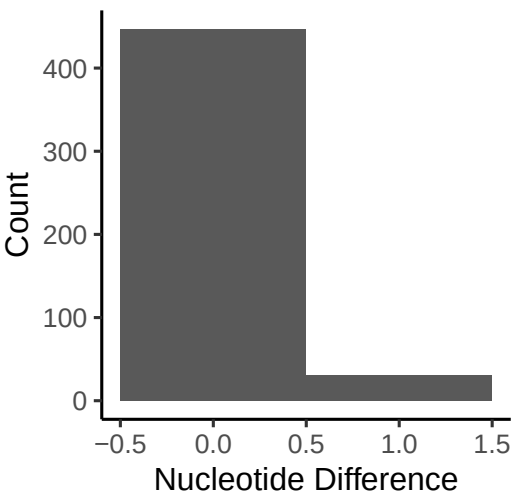
IGHV1−45*02

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



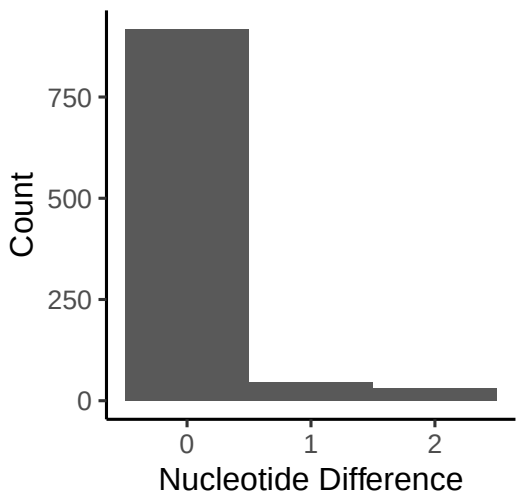
IGHV1−2*06

478 sequences assigned
447 (93.5%) exact matches, in which:
444 unique CDR3
7 unique J



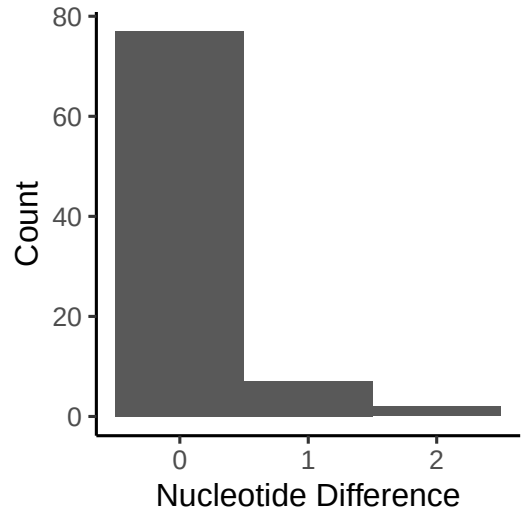
IGHV1−18*01

994 sequences assigned
918 (92.4%) exact matches, in which:
915 unique CDR3
7 unique J



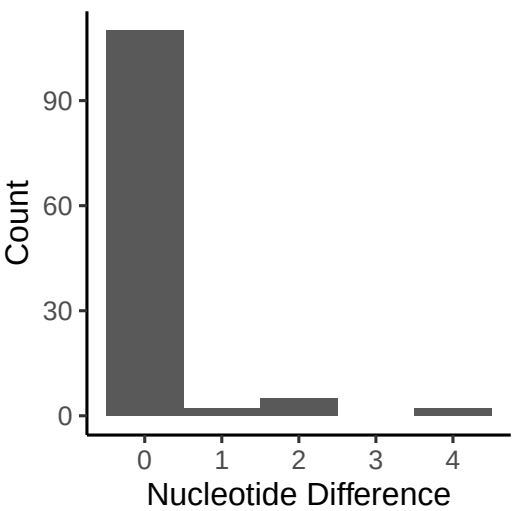
IGHV1−46*01

86 sequences assigned
77 (89.5%) exact matches, in which:
77 unique CDR3
6 unique J



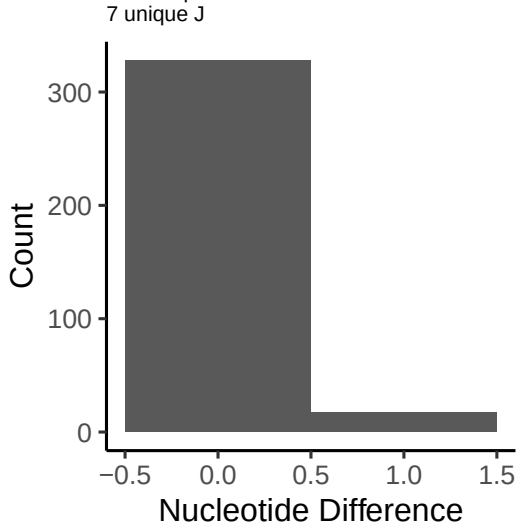
IGHV1−3*01_05

119 sequences assigned
110 (92.4%) exact matches, in which:
110 unique CDR3
6 unique J



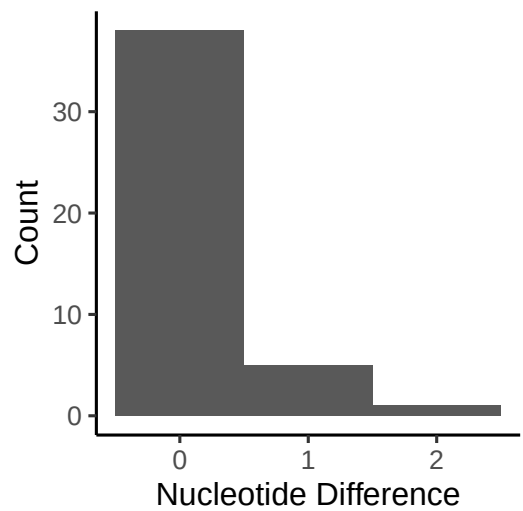
IGHV1−24*01

345 sequences assigned
328 (95.1%) exact matches, in which:
327 unique CDR3
7 unique J



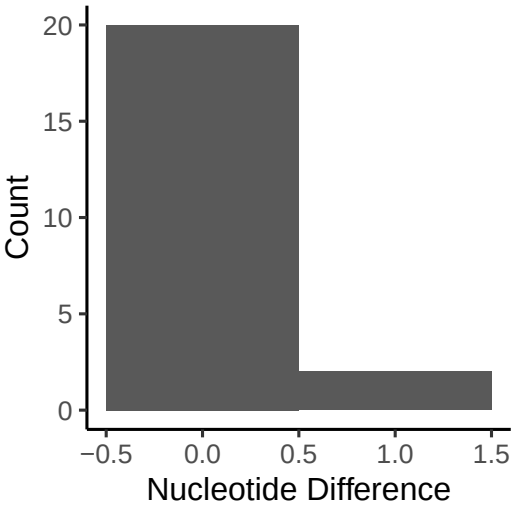
IGHV1−46*03

44 sequences assigned
38 (86.4%) exact matches, in which:
38 unique CDR3
5 unique J



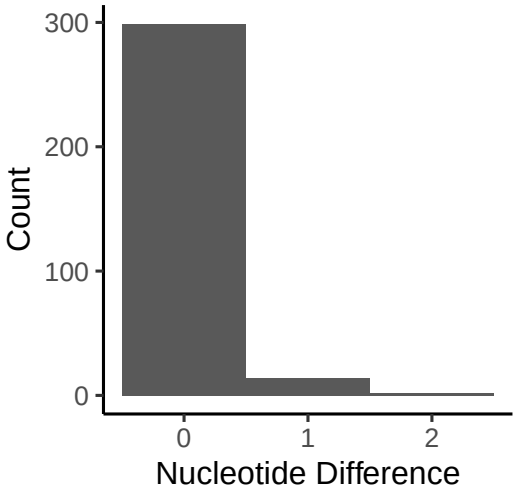
IGHV1−58*02

22 sequences assigned
20 (90.9%) exact matches, in which:
20 unique CDR3
6 unique J



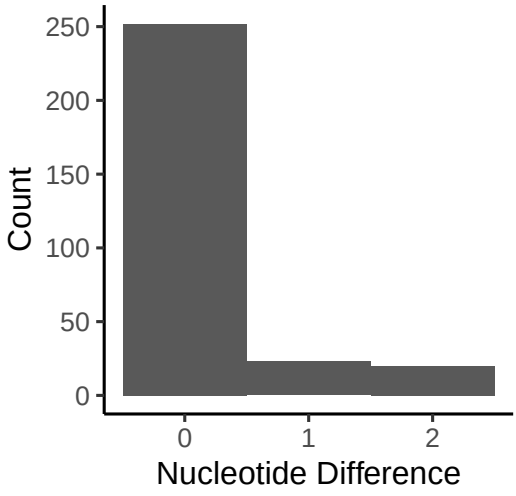
IGHV1−69*01_12_13

315 sequences assigned
299 (94.9%) exact matches, in which:
299 unique CDR3
7 unique J



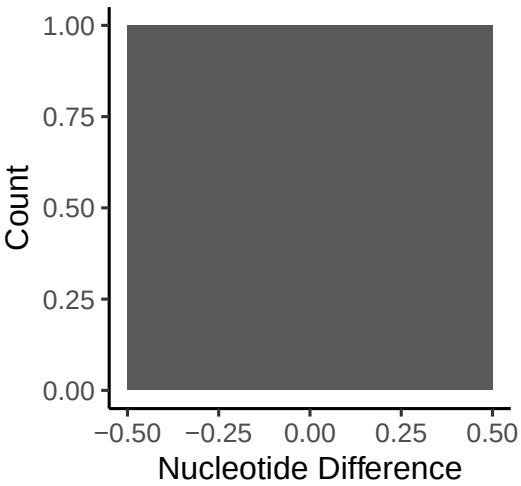
IGHV2−5*02

295 sequences assigned
252 (85.4%) exact matches, in which:
252 unique CDR3
6 unique J



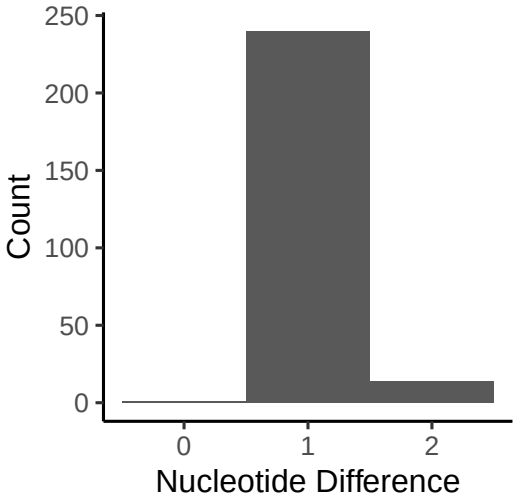
IGHV1−69−2*01

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



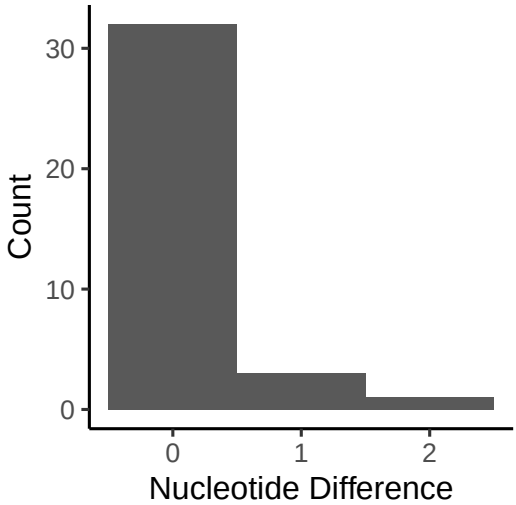
IGHV1−69*04_09

255 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



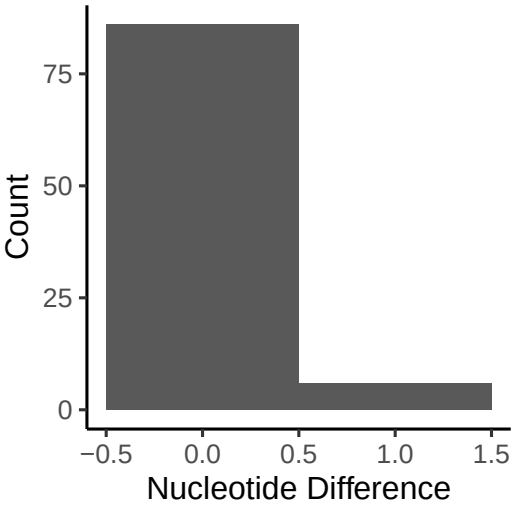
IGHV2−26*01

36 sequences assigned
32 (88.9%) exact matches, in which:
32 unique CDR3
6 unique J



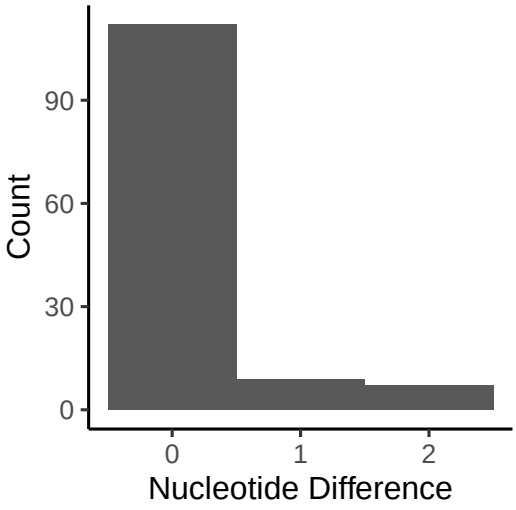
IGHV1−69*02

92 sequences assigned
86 (93.5%) exact matches, in which:
86 unique CDR3
6 unique J



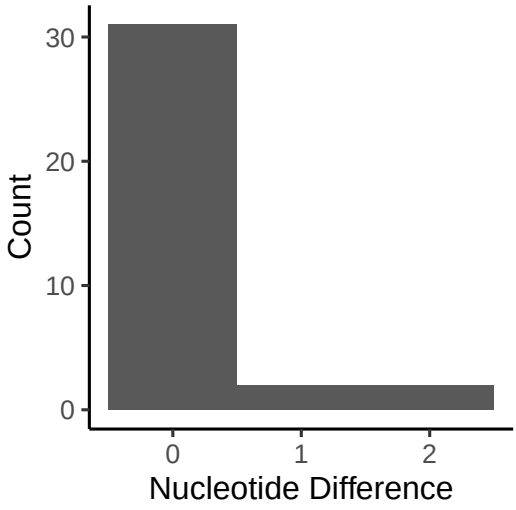
IGHV2−5*01

128 sequences assigned
112 (87.5%) exact matches, in which:
111 unique CDR3
6 unique J



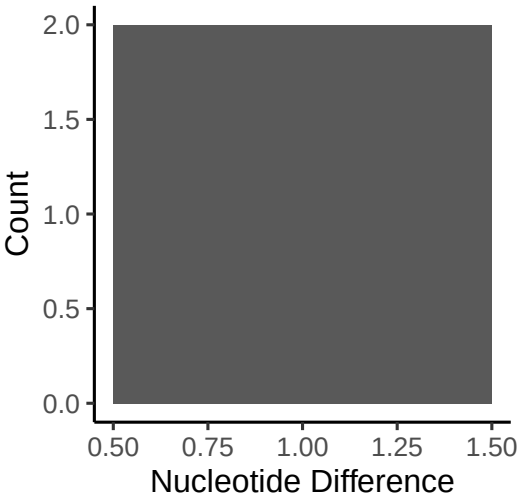
IGHV2−70*01

35 sequences assigned
31 (88.6%) exact matches, in which:
31 unique CDR3
4 unique J



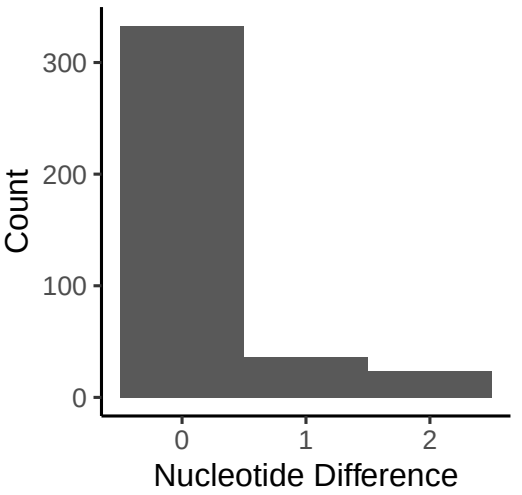
IGHV2−70D*04

2 sequences assigned
No exact matches.



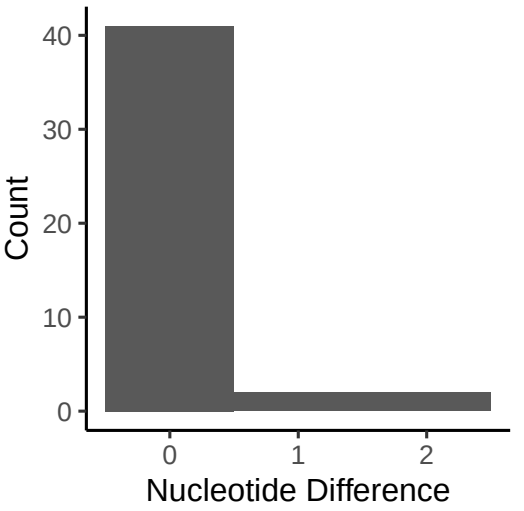
IGHV3−11*01

393 sequences assigned
333 (84.7%) exact matches, in which:
328 unique CDR3
7 unique J



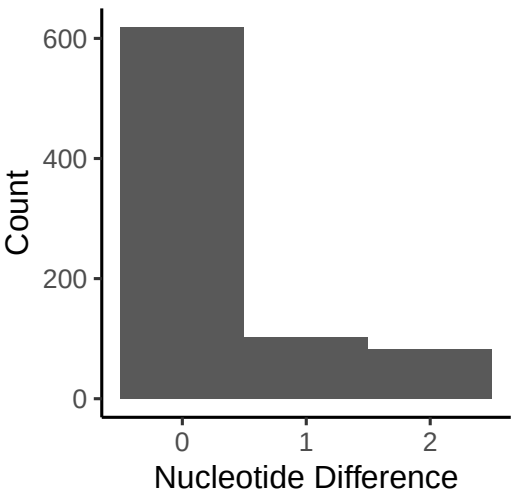
IGHV3−20*01_02

45 sequences assigned
41 (91.1%) exact matches, in which:
40 unique CDR3
6 unique J



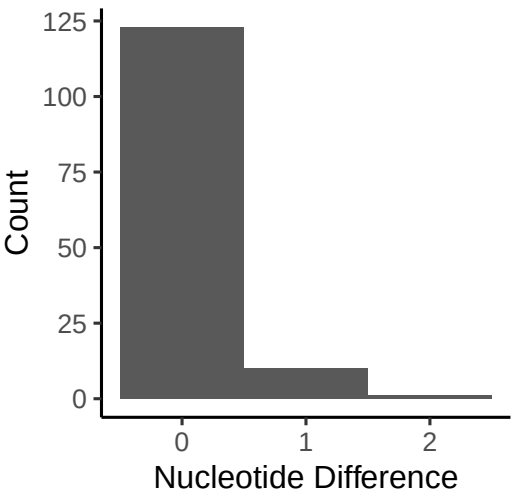
IGHV3−7*01

803 sequences assigned
619 (77.1%) exact matches, in which:
577 unique CDR3
7 unique J



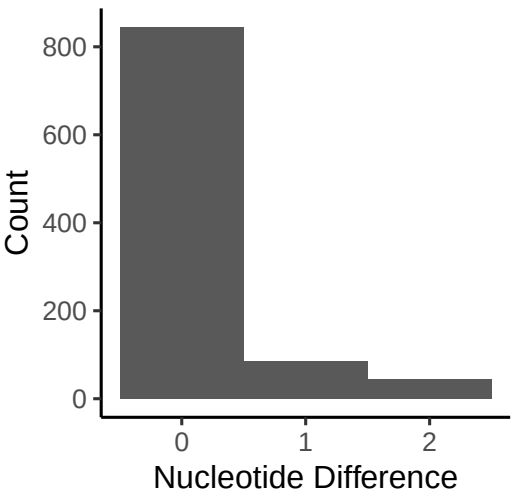
IGHV3−13*01

134 sequences assigned
123 (91.8%) exact matches, in which:
123 unique CDR3
6 unique J



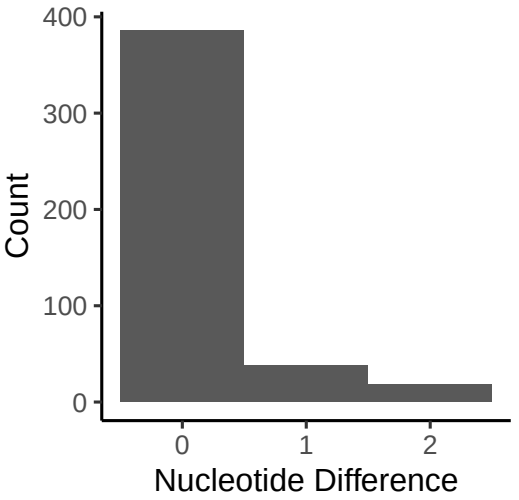
IGHV3−21*01_02

975 sequences assigned
845 (86.7%) exact matches, in which:
814 unique CDR3
7 unique J



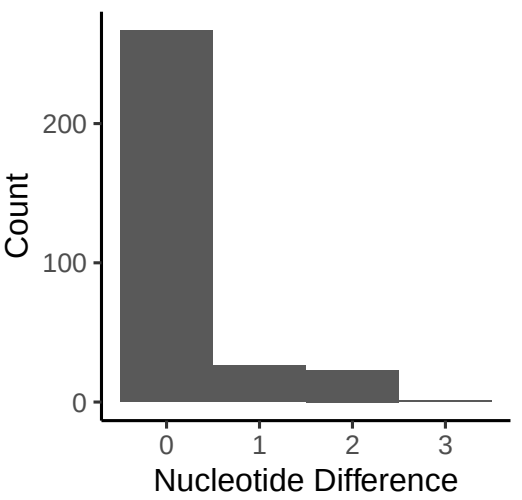
IGHV3−9*01

442 sequences assigned
386 (87.3%) exact matches, in which:
377 unique CDR3
7 unique J



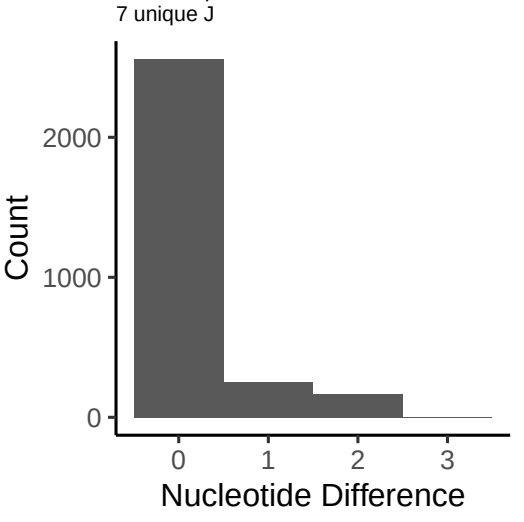
IGHV3−15*01_02

317 sequences assigned
267 (84.2%) exact matches, in which:
257 unique CDR3
7 unique J



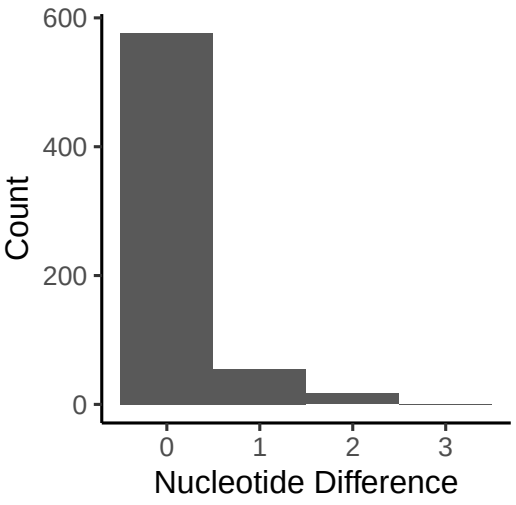
IGHV3−23*01_04

2980 sequences assigned
2559 (85.9%) exact matches, in which:
2444 unique CDR3
7 unique J



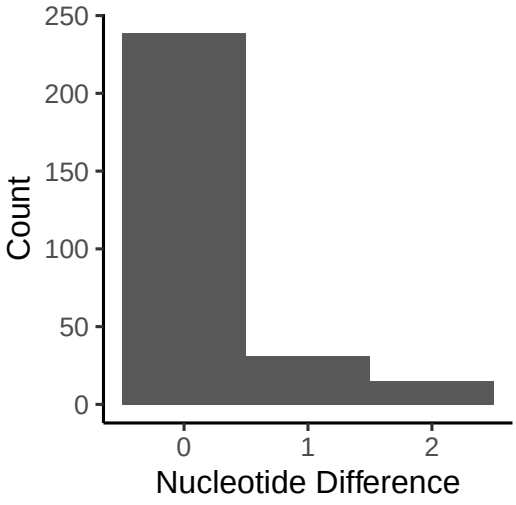
IGHV3−30−3*01

650 sequences assigned
577 (88.8%) exact matches, in which:
567 unique CDR3
7 unique J



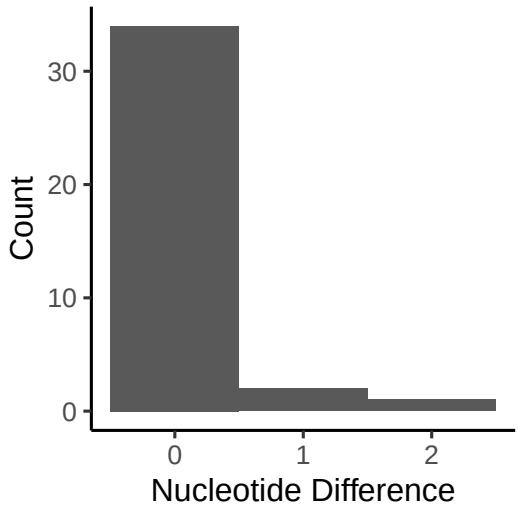
IGHV3−48*01

285 sequences assigned
239 (83.9%) exact matches, in which:
227 unique CDR3
6 unique J



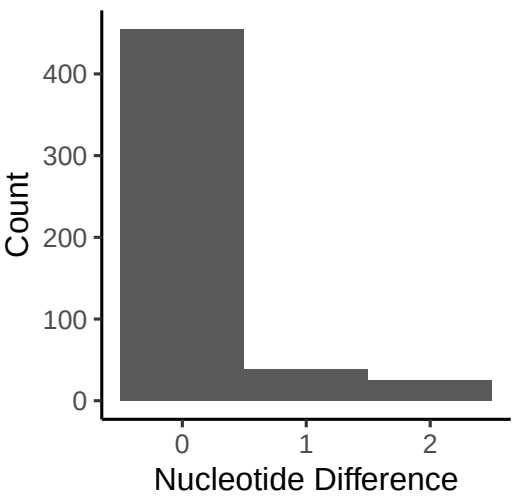
IGHV3−49*03_05

37 sequences assigned
34 (91.9%) exact matches, in which:
34 unique CDR3
5 unique J



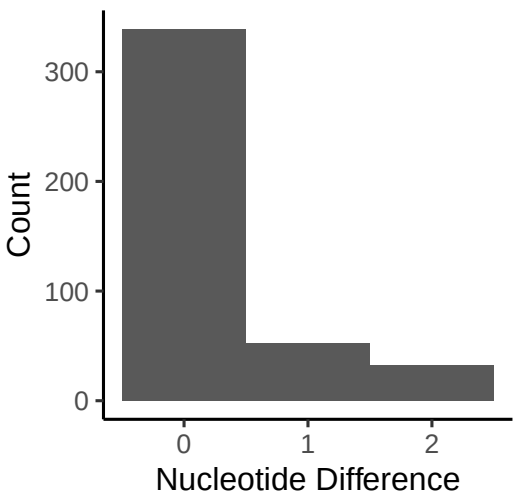
IGHV3−33*01

518 sequences assigned
455 (87.8%) exact matches, in which:
449 unique CDR3
7 unique J



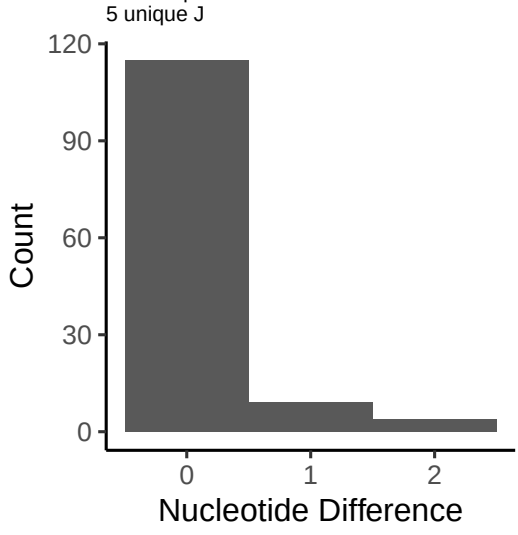
IGHV3−48*03

423 sequences assigned
339 (80.1%) exact matches, in which:
319 unique CDR3
6 unique J



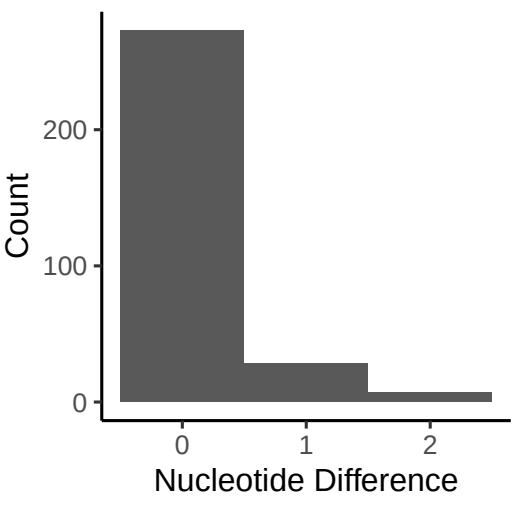
IGHV3−53*04

128 sequences assigned
115 (89.8%) exact matches, in which:
111 unique CDR3
5 unique J



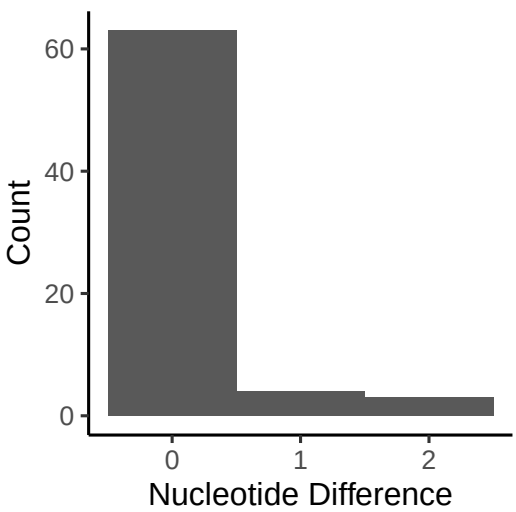
IGHV3−43*02

308 sequences assigned
273 (88.6%) exact matches, in which:
263 unique CDR3
7 unique J



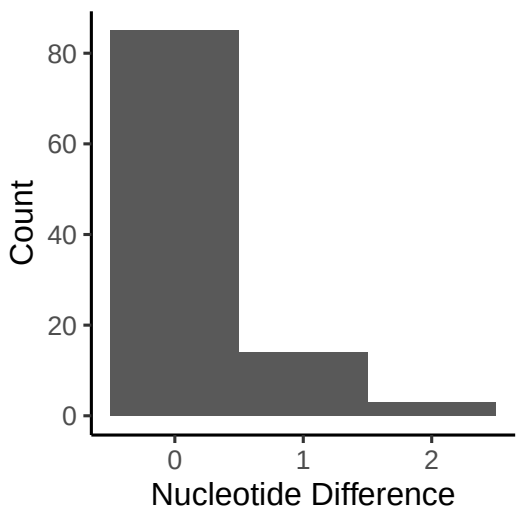
IGHV3−49*04

70 sequences assigned
63 (90%) exact matches, in which:
61 unique CDR3
5 unique J



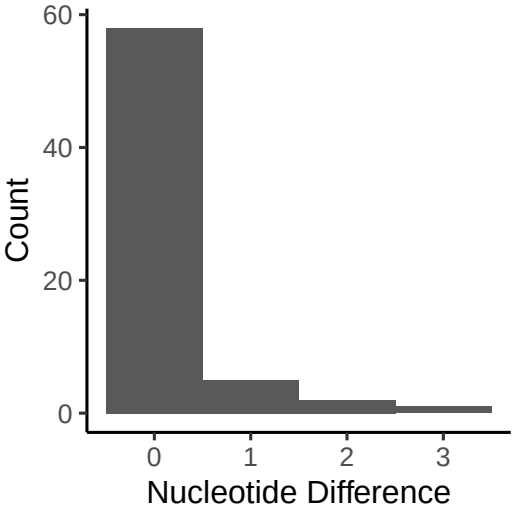
IGHV3−53*01_02

102 sequences assigned
85 (83.3%) exact matches, in which:
83 unique CDR3
6 unique J



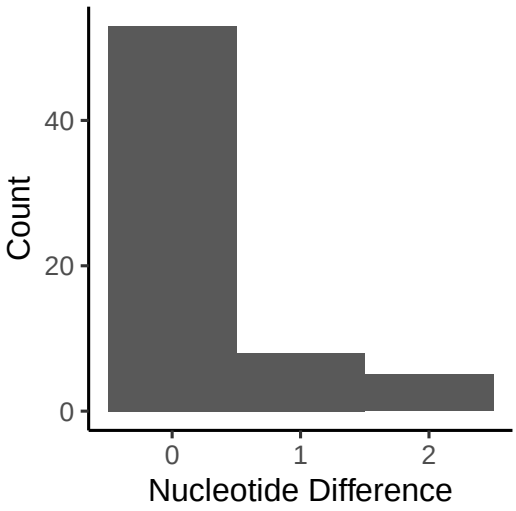
IGHV3−64*01

66 sequences assigned
58 (87.9%) exact matches, in which:
56 unique CDR3
5 unique J



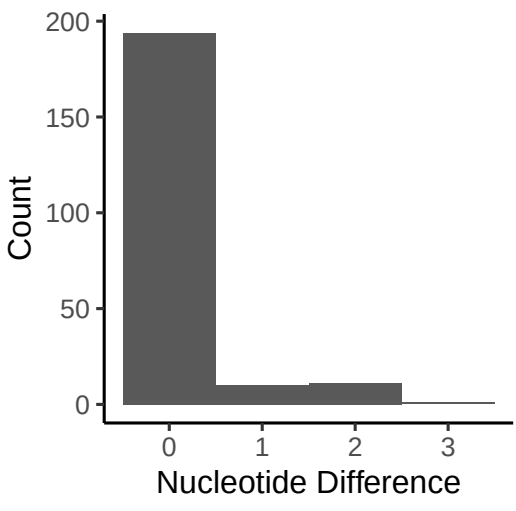
IGHV3−73*01_02

66 sequences assigned
53 (80.3%) exact matches, in which:
51 unique CDR3
6 unique J



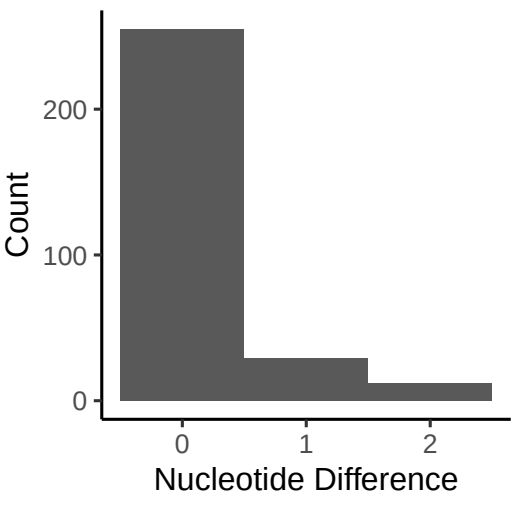
IGHV4−4*02_03

216 sequences assigned
194 (89.8%) exact matches, in which:
190 unique CDR3
5 unique J



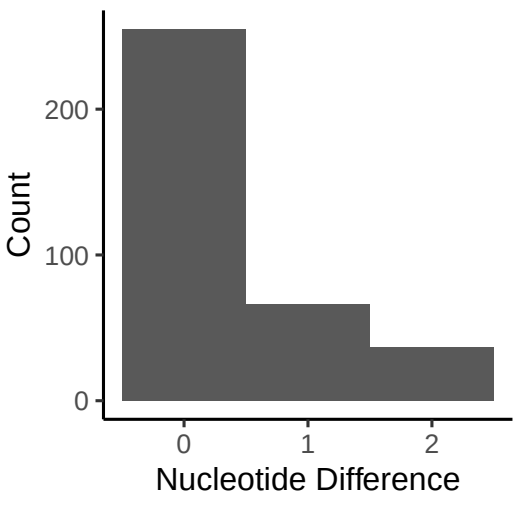
IGHV3−66*02

296 sequences assigned
255 (86.1%) exact matches, in which:
248 unique CDR3
6 unique J



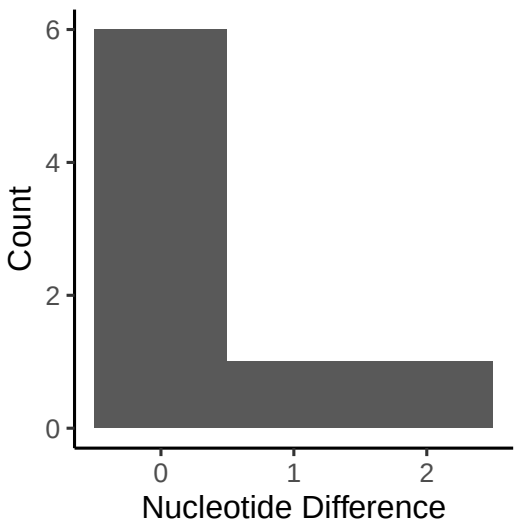
IGHV3−74*01_02

358 sequences assigned
255 (71.2%) exact matches, in which:
241 unique CDR3
7 unique J



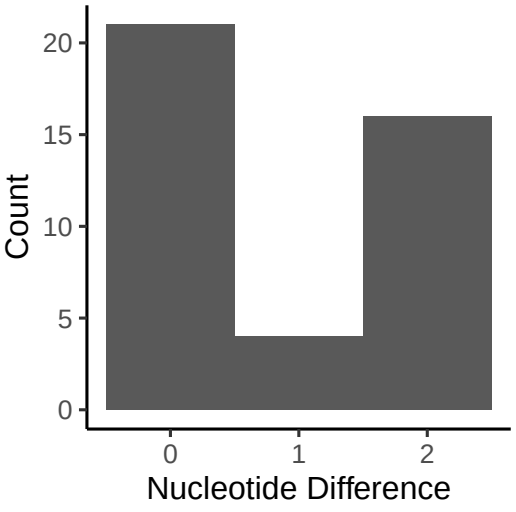
IGHV4−28*01_07

8 sequences assigned
6 (75%) exact matches, in which:
6 unique CDR3
3 unique J



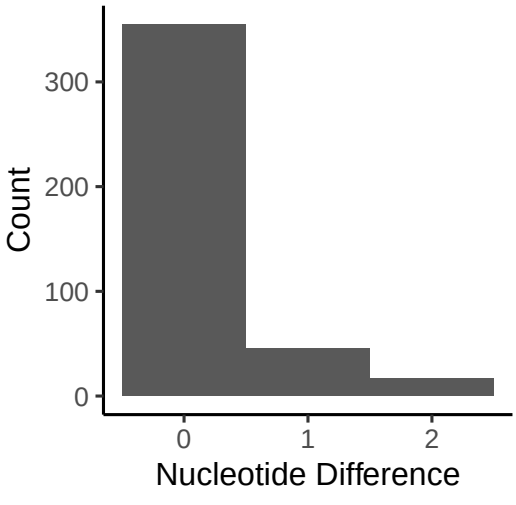
IGHV3−72*01

41 sequences assigned
21 (51.2%) exact matches, in which:
19 unique CDR3
5 unique J



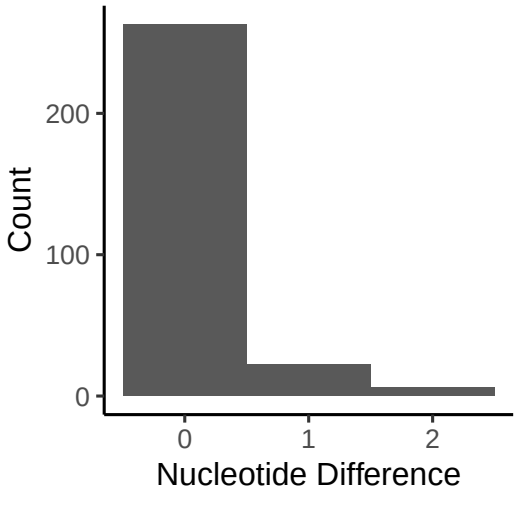
IGHV4−4*07

417 sequences assigned
355 (85.1%) exact matches, in which:
344 unique CDR3
6 unique J



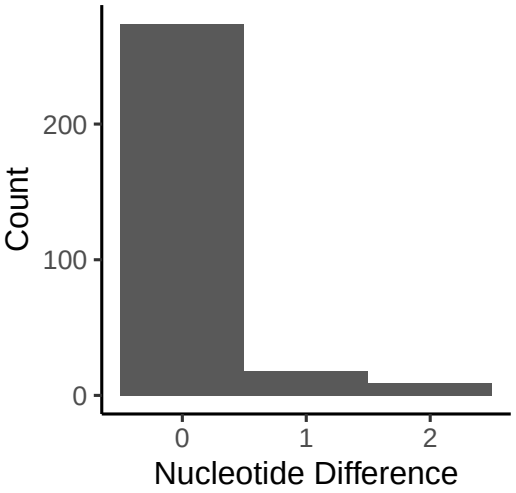
IGHV4−30−2*01

291 sequences assigned
263 (90.4%) exact matches, in which:
261 unique CDR3
7 unique J



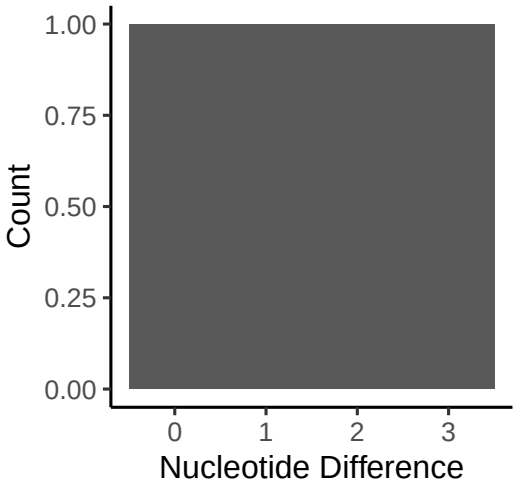
IGHV4−30−4*01

301 sequences assigned
274 (91%) exact matches, in which:
266 unique CDR3
7 unique J



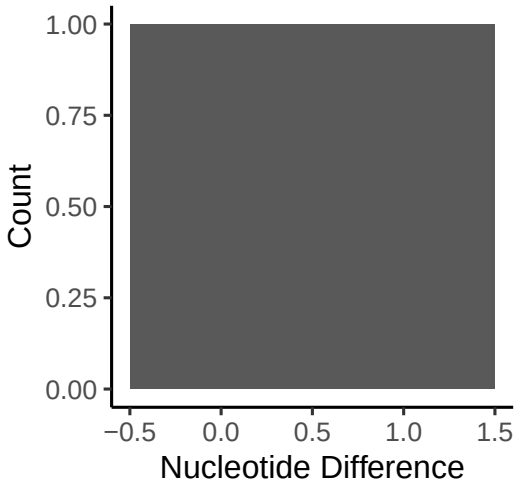
IGHV4−39*02

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



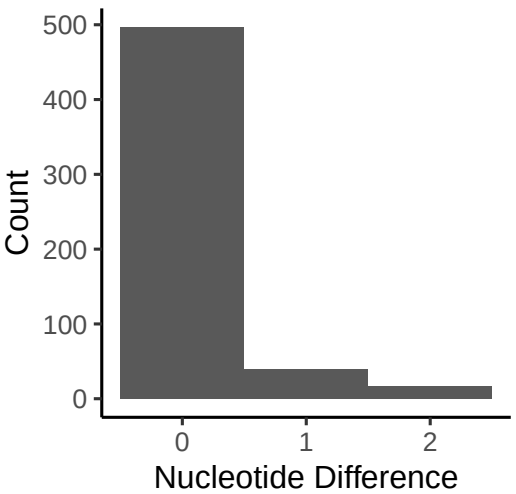
IGHV4−59*11

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



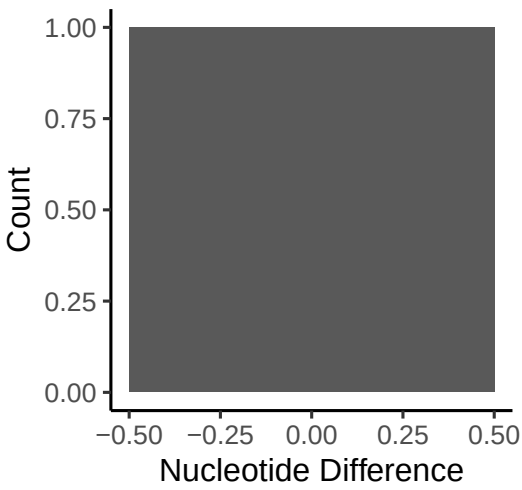
IGHV4−31*02

553 sequences assigned
497 (89.9%) exact matches, in which:
491 unique CDR3
7 unique J



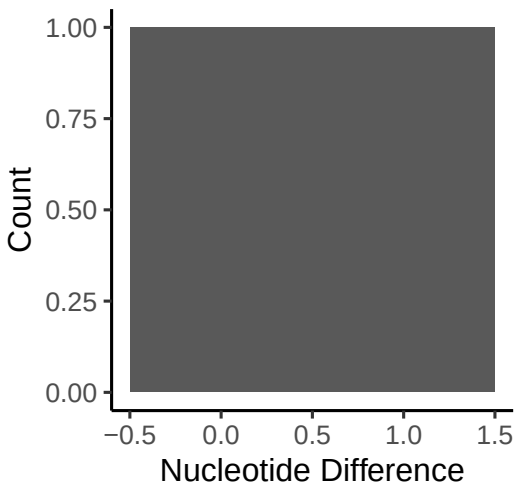
IGHV4−59*02

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



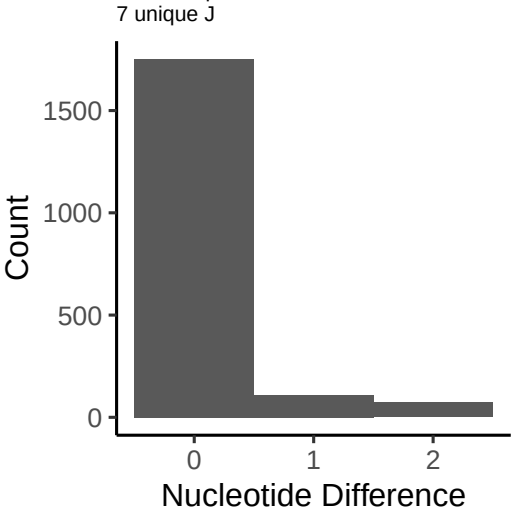
IGHV4−59*12

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



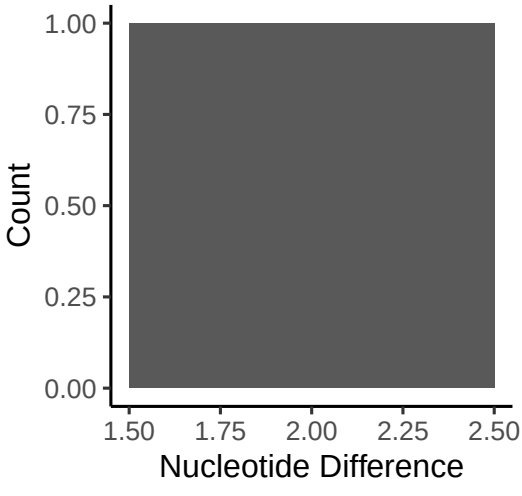
IGHV4−34*01_02

1935 sequences assigned
1752 (90.5%) exact matches, in which:
1729 unique CDR3
7 unique J



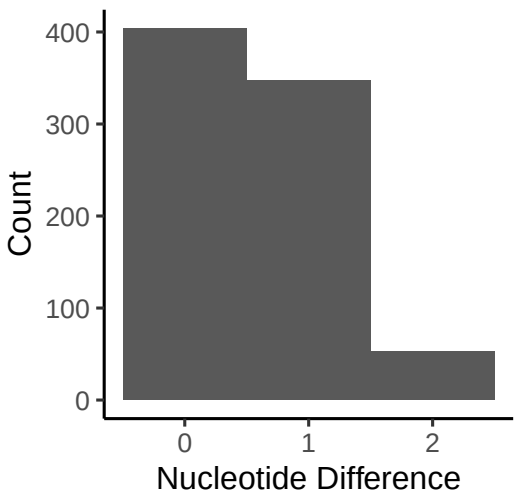
IGHV4−59*04

1 sequences assigned
No exact matches.



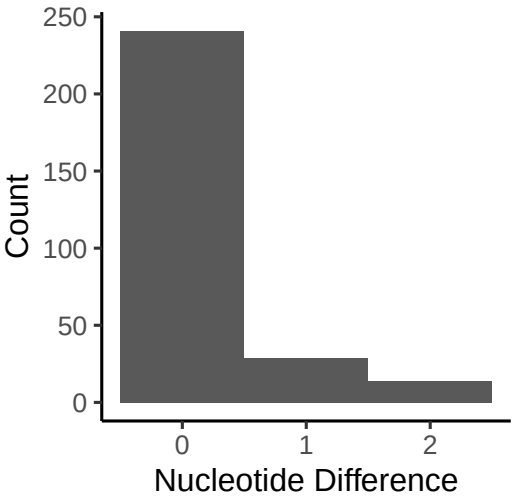
IGHV4−61*02

804 sequences assigned
404 (50.2%) exact matches, in which:
389 unique CDR3
6 unique J



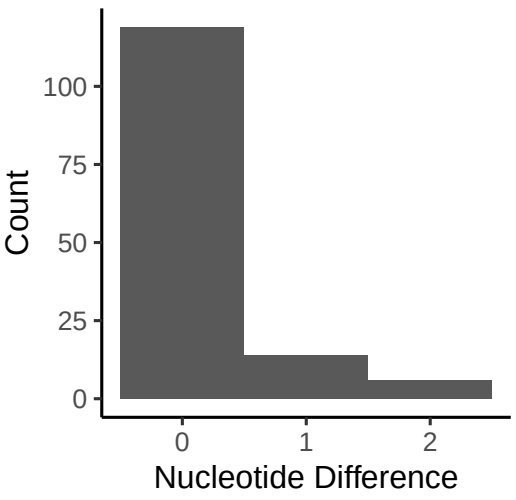
IGHV6−1*01_02

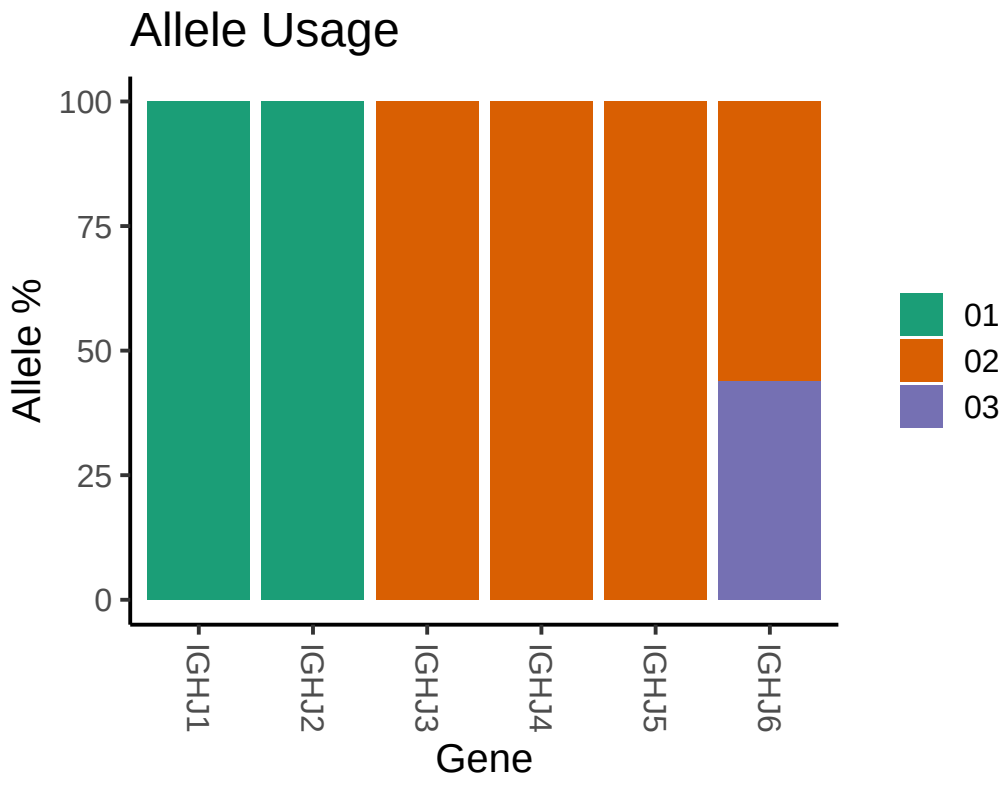
284 sequences assigned
241 (84.9%) exact matches, in which:
238 unique CDR3
6 unique J



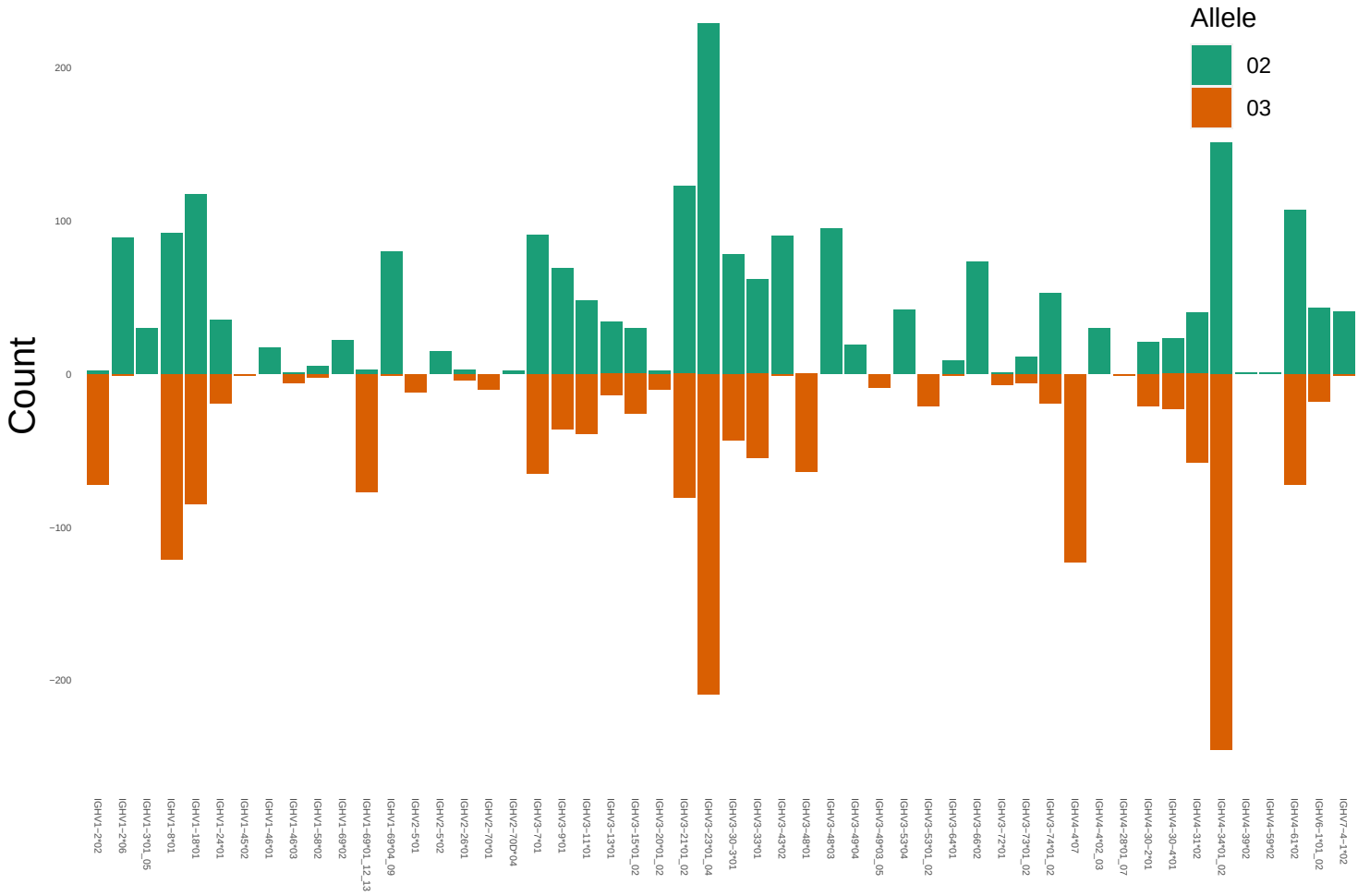
IGHV7−4−1*02

139 sequences assigned
119 (85.6%) exact matches, in which:
119 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.

Warning − no inferred sequences found.

Warning − no inferred sequences found.