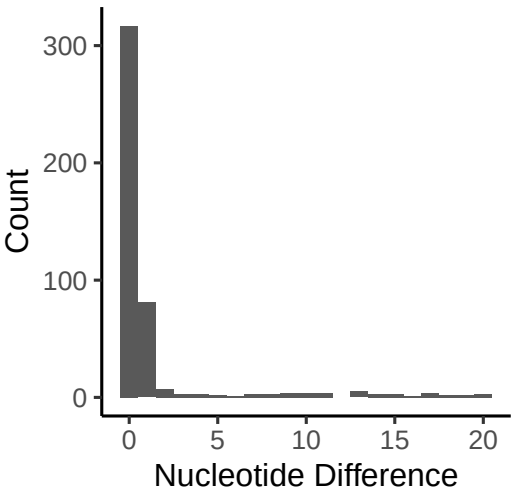
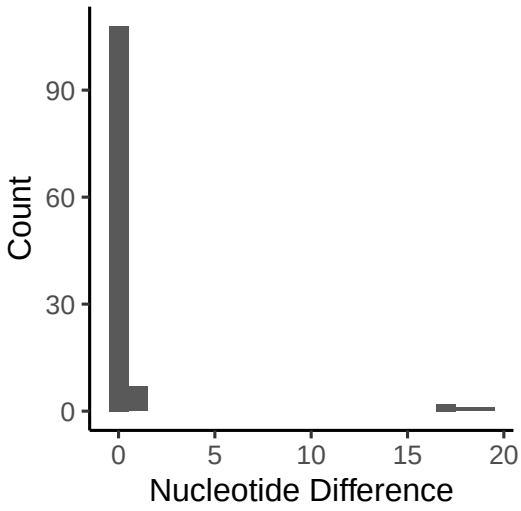
IGHV1−2*02

471 sequences assigned
317 (67.3%) exact matches, in which:
316 unique CDR3
6 unique J



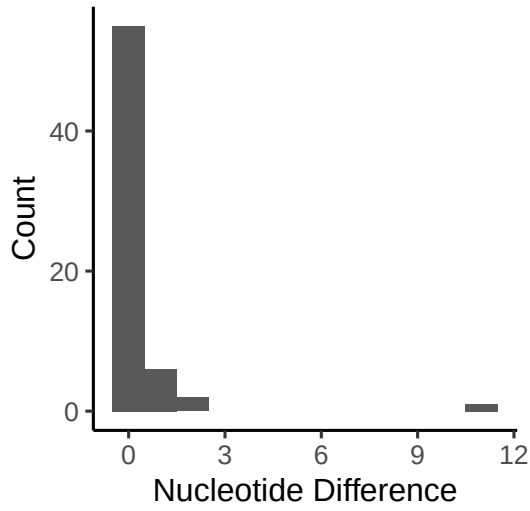
IGHV1−24*01

130 sequences assigned
108 (83.1%) exact matches, in which:
108 unique CDR3
7 unique J



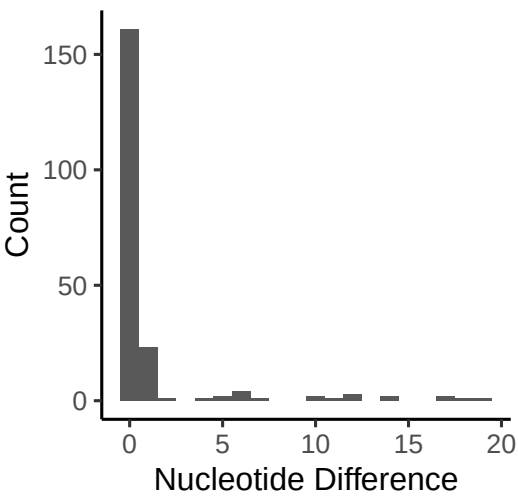
IGHV1−58*01

66 sequences assigned
55 (83.3%) exact matches, in which:
55 unique CDR3
6 unique J



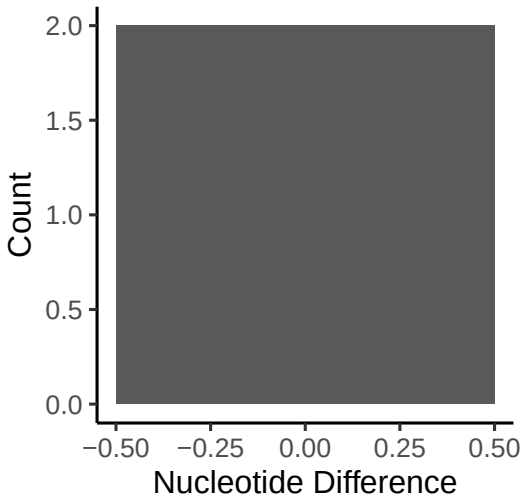
IGHV1−3*01

214 sequences assigned
161 (75.2%) exact matches, in which:
158 unique CDR3
6 unique J



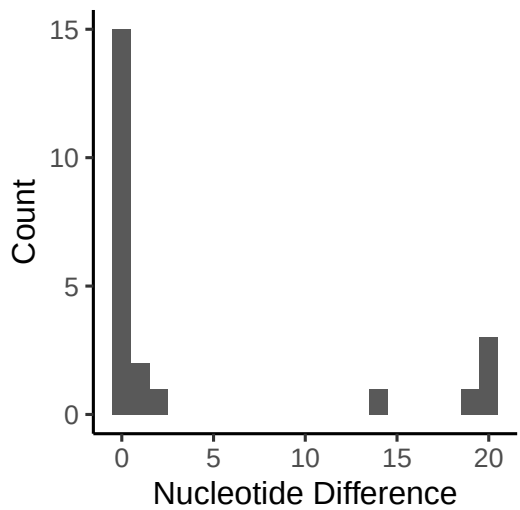
IGHV1−45*02

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



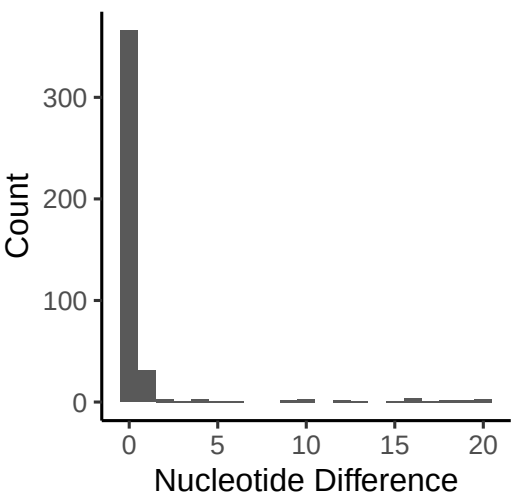
IGHV1−69−2*01

27 sequences assigned
15 (55.6%) exact matches, in which:
15 unique CDR3
4 unique J



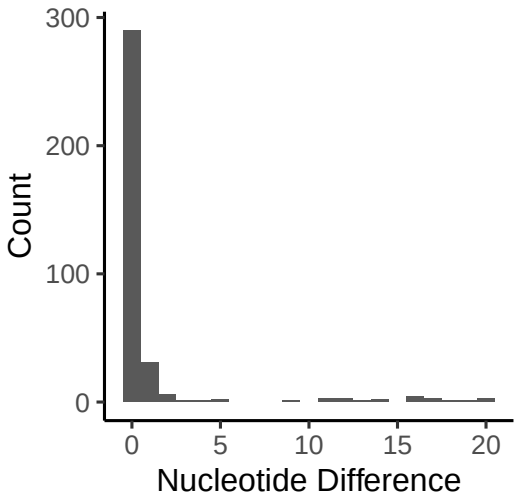
IGHV1−18*01

442 sequences assigned
366 (82.8%) exact matches, in which:
365 unique CDR3
7 unique J



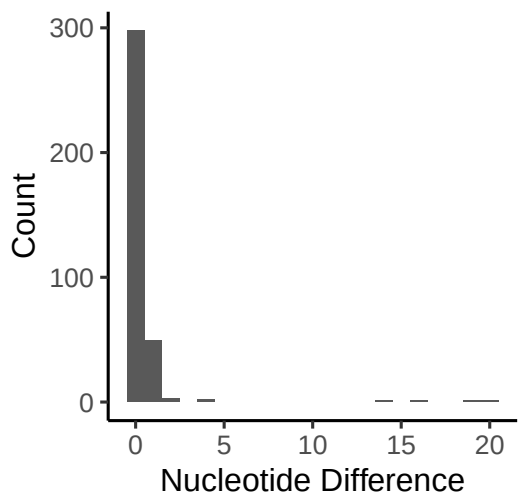
IGHV1−46*01

390 sequences assigned
290 (74.4%) exact matches, in which:
290 unique CDR3
7 unique J



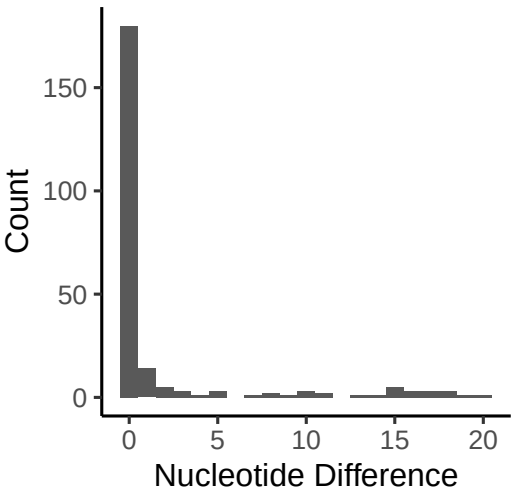
IGHV1−69*17

370 sequences assigned
298 (80.5%) exact matches, in which:
297 unique CDR3
6 unique J



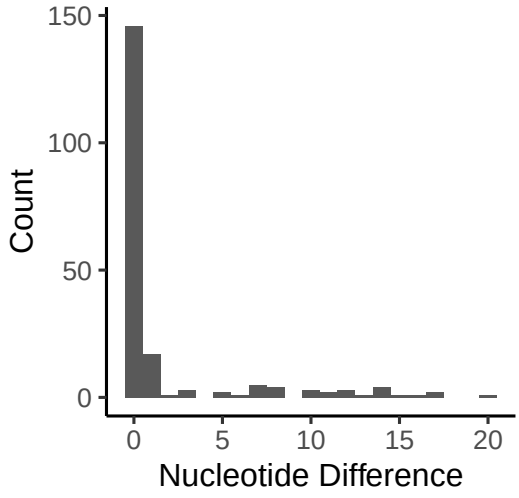
IGHV2−5*02

251 sequences assigned
180 (71.7%) exact matches, in which:
179 unique CDR3
7 unique J



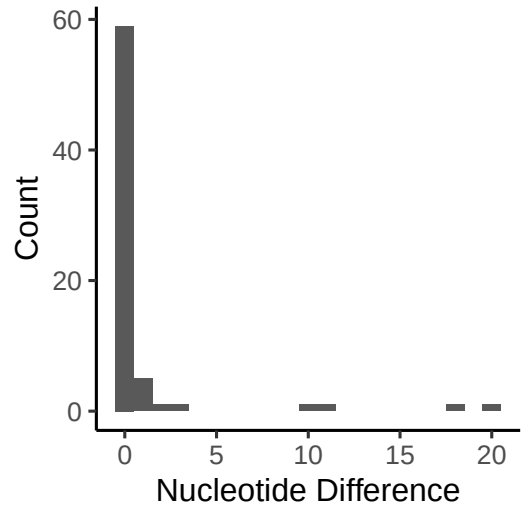
IGHV3−7*03

216 sequences assigned
146 (67.6%) exact matches, in which:
146 unique CDR3
6 unique J



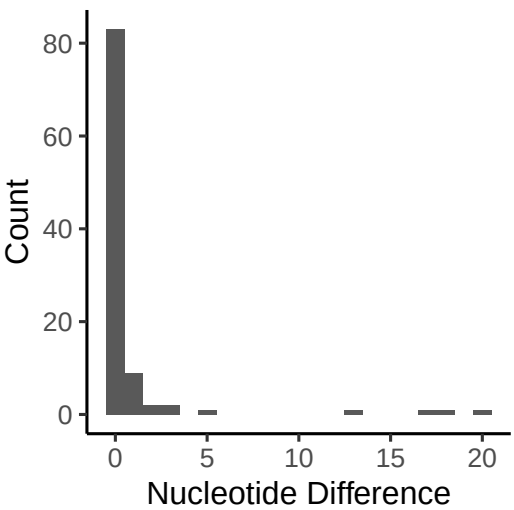
IGHV3−11*06

78 sequences assigned
59 (75.6%) exact matches, in which:
59 unique CDR3
4 unique J



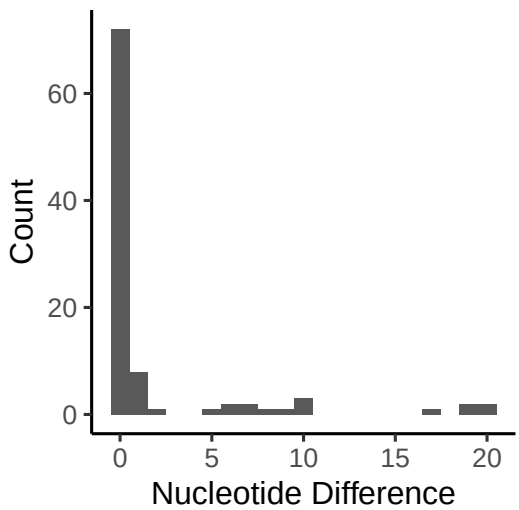
IGHV2−26*01

101 sequences assigned
83 (82.2%) exact matches, in which:
83 unique CDR3
6 unique J



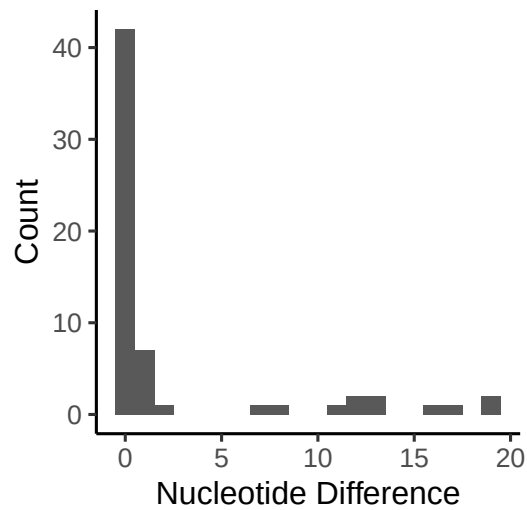
IGHV3−7*04

99 sequences assigned
72 (72.7%) exact matches, in which:
72 unique CDR3
5 unique J



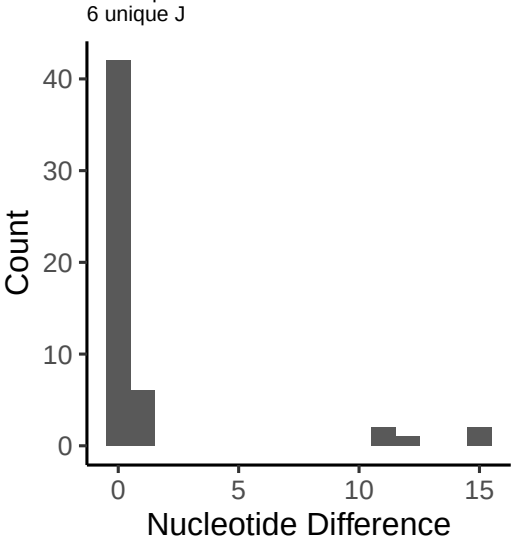
IGHV3−13*04

110 sequences assigned
42 (38.2%) exact matches, in which:
42 unique CDR3
5 unique J



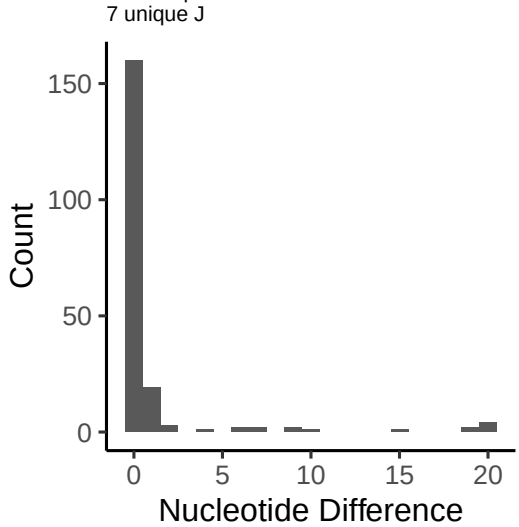
IGHV2−70*01

56 sequences assigned
42 (75%) exact matches, in which:
42 unique CDR3
6 unique J



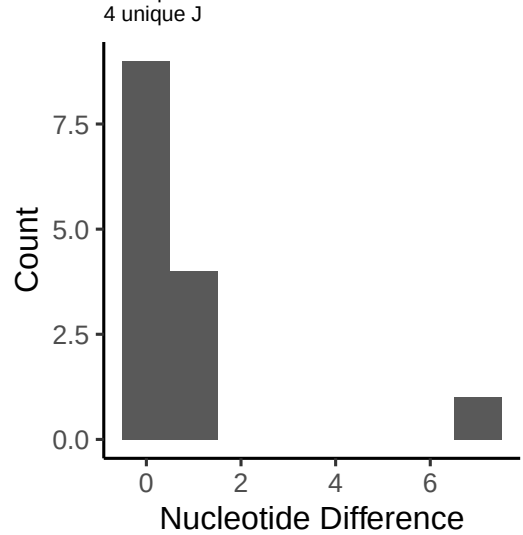
IGHV3−11*05

215 sequences assigned
160 (74.4%) exact matches, in which:
160 unique CDR3
7 unique J



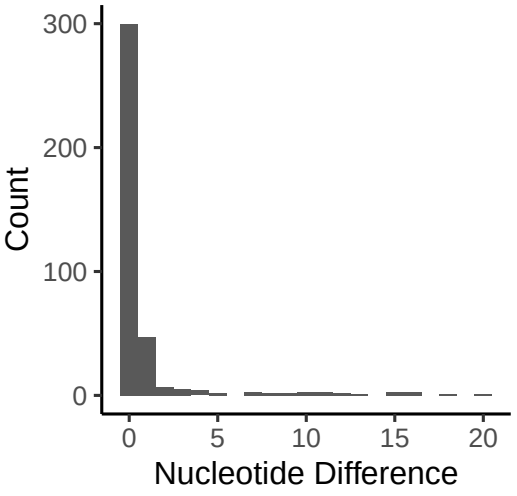
IGHV3−13*05

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



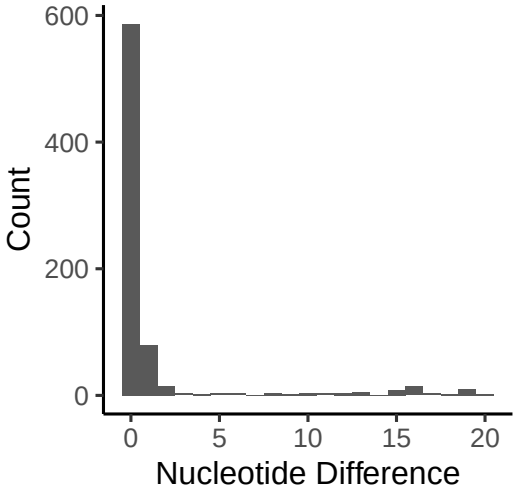
IGHV3−15*01

416 sequences assigned
300 (72.1%) exact matches, in which:
299 unique CDR3
7 unique J



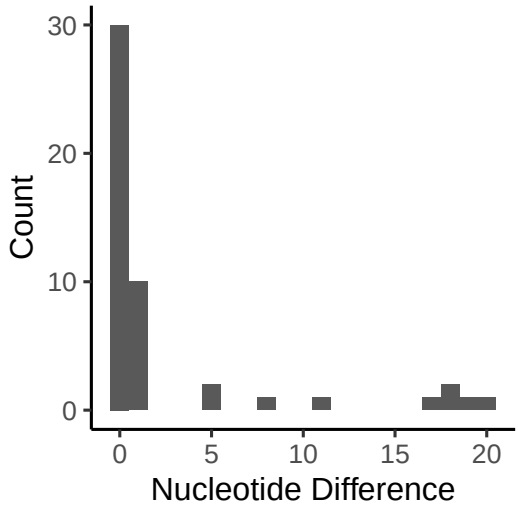
IGHV3−21*01

807 sequences assigned
587 (72.7%) exact matches, in which:
584 unique CDR3
7 unique J



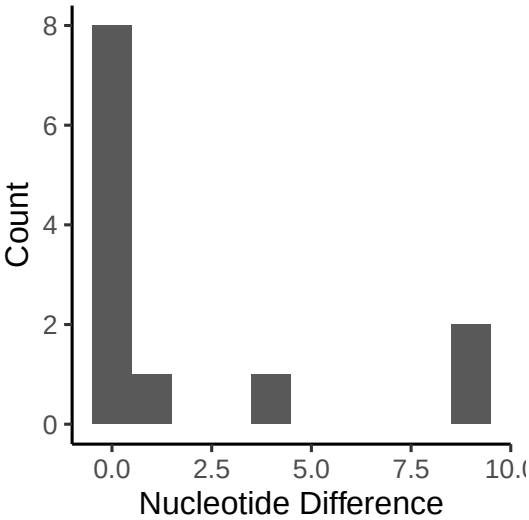
IGHV3−43*01

55 sequences assigned
30 (54.5%) exact matches, in which:
30 unique CDR3
6 unique J



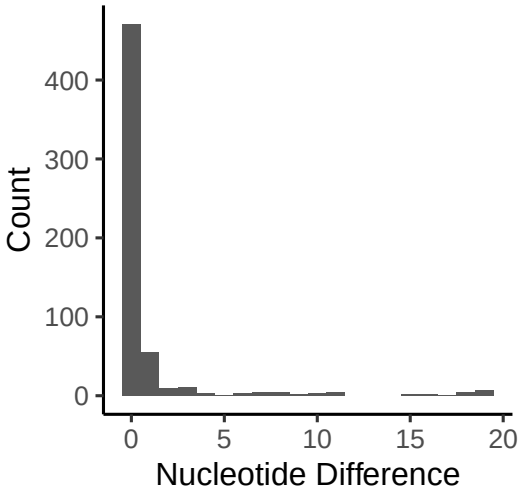
IGHV3−20*01

15 sequences assigned
8 (53.3%) exact matches, in which:
8 unique CDR3
3 unique J



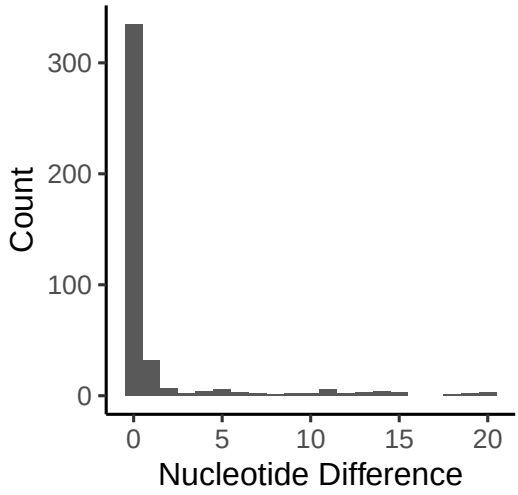
IGHV3−33*01

628 sequences assigned
471 (75%) exact matches, in which:
471 unique CDR3
7 unique J



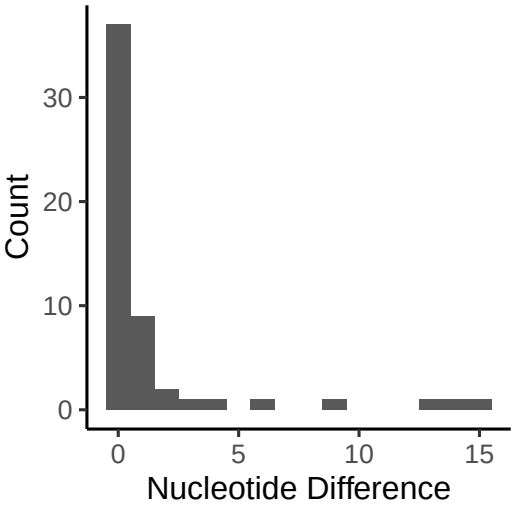
IGHV3−48*02

442 sequences assigned
335 (75.8%) exact matches, in which:
335 unique CDR3
7 unique J



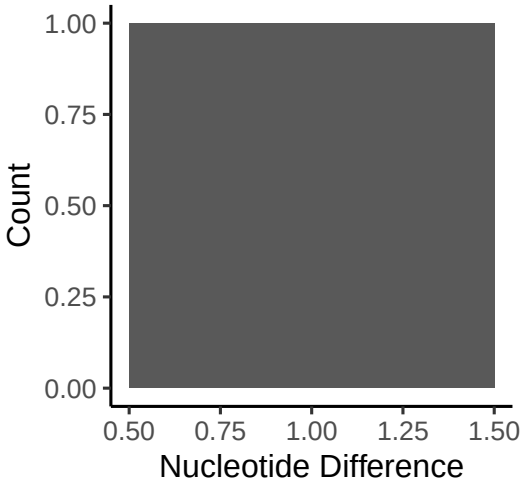
IGHV3−20*04

59 sequences assigned
37 (62.7%) exact matches, in which:
37 unique CDR3
5 unique J



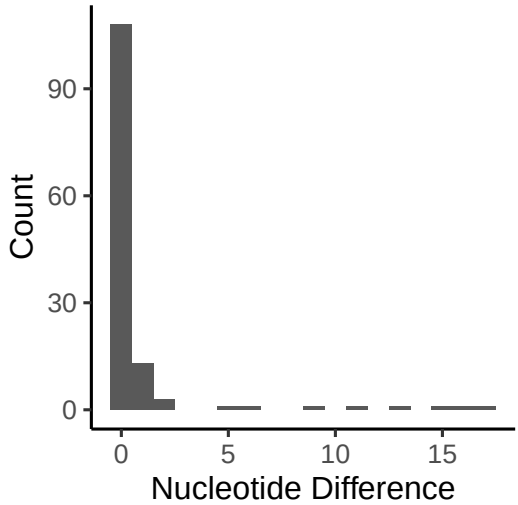
IGHV3−35*01

1 sequences assigned
No exact matches.



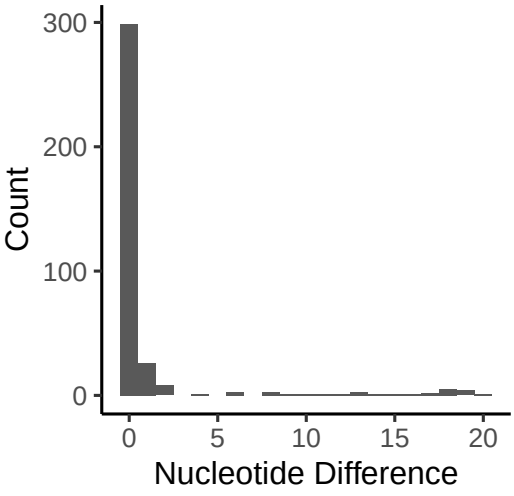
IGHV3−49*05

146 sequences assigned
108 (74%) exact matches, in which:
108 unique CDR3
7 unique J



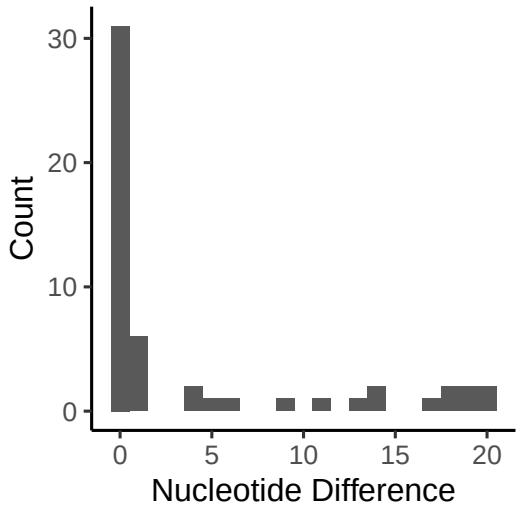
IGHV3−53*01

383 sequences assigned
299 (78.1%) exact matches, in which:
298 unique CDR3
7 unique J



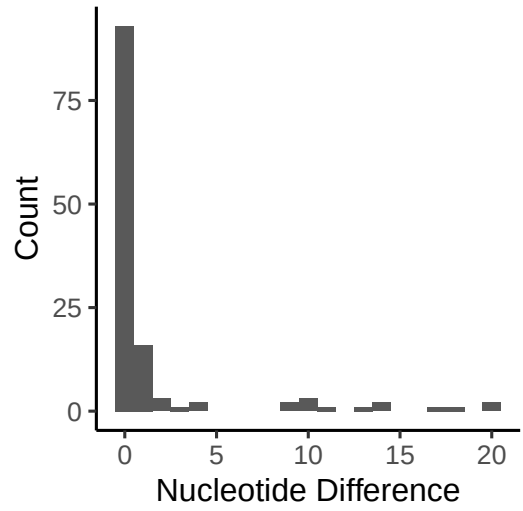
IGHV3−72*01

56 sequences assigned
31 (55.4%) exact matches, in which:
31 unique CDR3
6 unique J



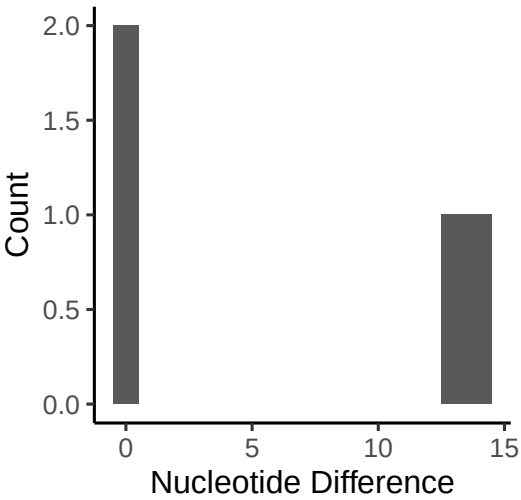
IGHV3−64D*06

137 sequences assigned
93 (67.9%) exact matches, in which:
93 unique CDR3
7 unique J



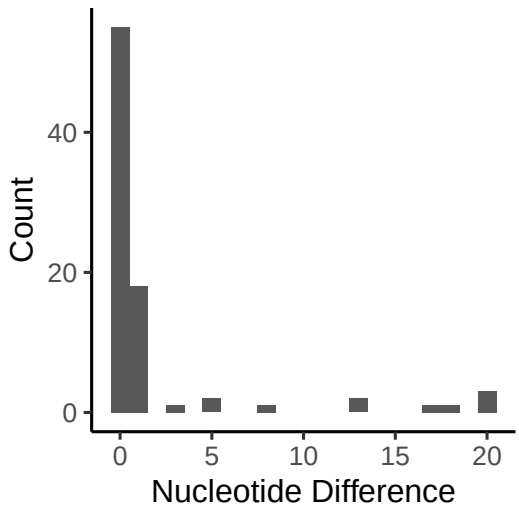
IGHV3−64*02

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



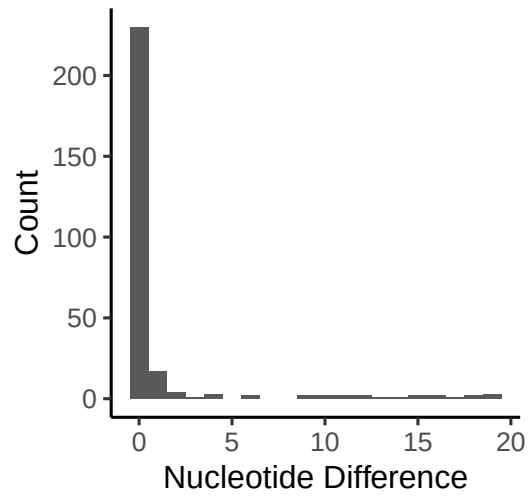
IGHV3−73*02

94 sequences assigned
55 (58.5%) exact matches, in which:
55 unique CDR3
6 unique J



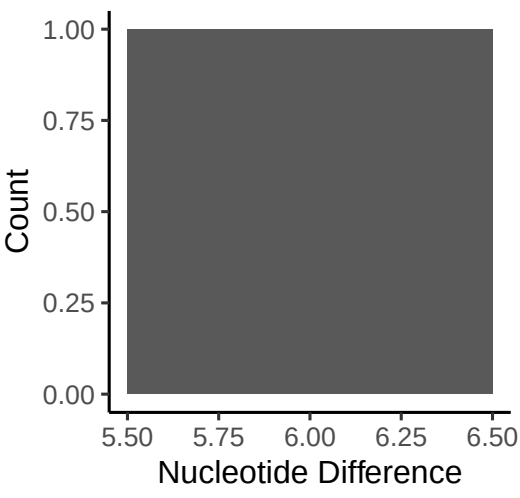
IGHV4−4*02

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



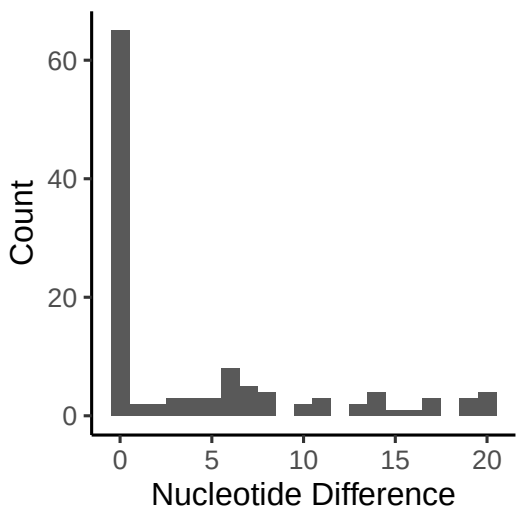
IGHV3−69−1*02

1 sequences assigned
No exact matches.



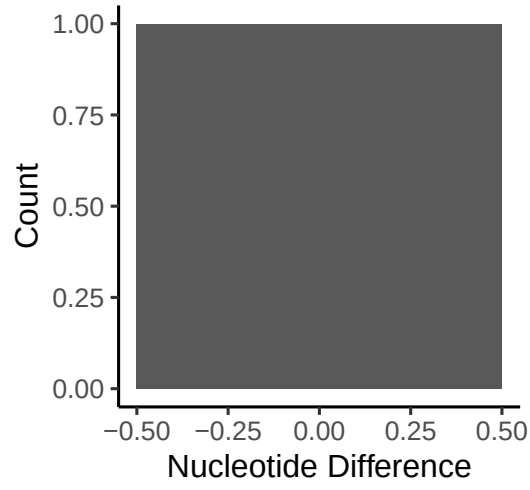
IGHV3−74*01

129 sequences assigned
65 (50.4%) exact matches, in which:
64 unique CDR3
5 unique J



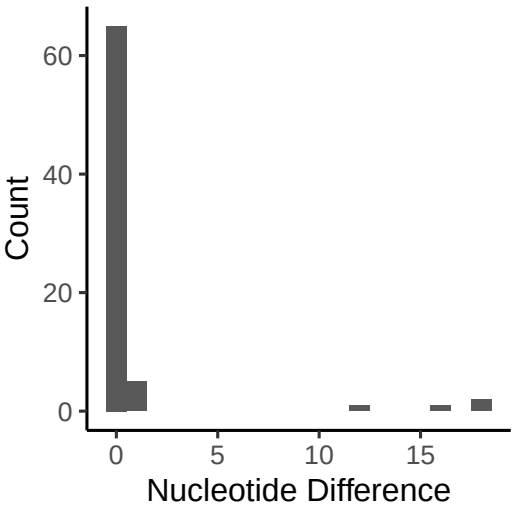
IGHV4−28*01

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



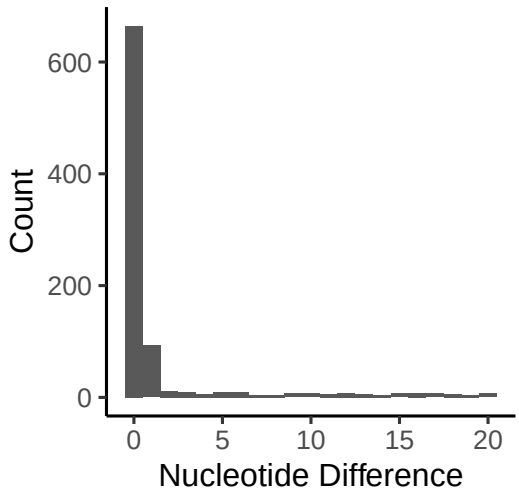
IGHV4−30−2*01

77 sequences assigned
65 (84.4%) exact matches, in which:
65 unique CDR3
5 unique J



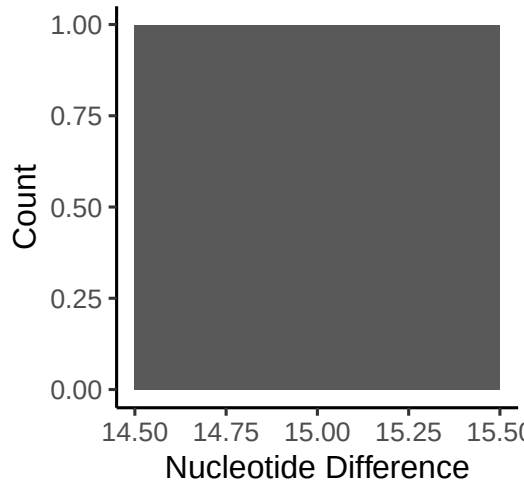
IGHV4−39*01

995 sequences assigned
665 (66.8%) exact matches, in which:
664 unique CDR3
7 unique J



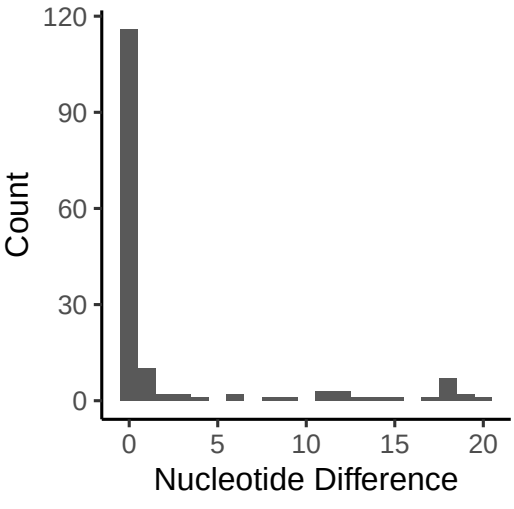
IGHV4/OR15−8*02

1 sequences assigned
No exact matches.



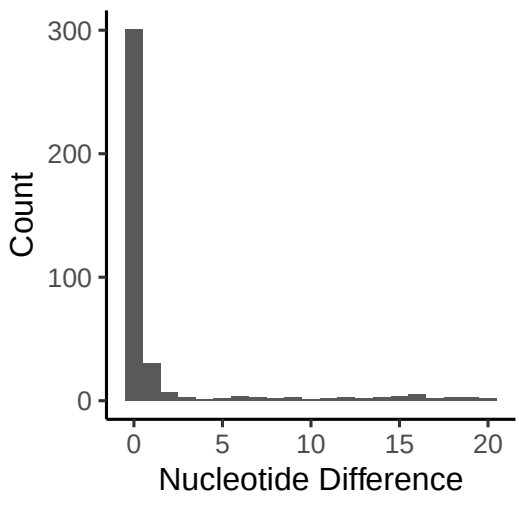
IGHV4−31*03

168 sequences assigned
116 (69%) exact matches, in which:
116 unique CDR3
5 unique J



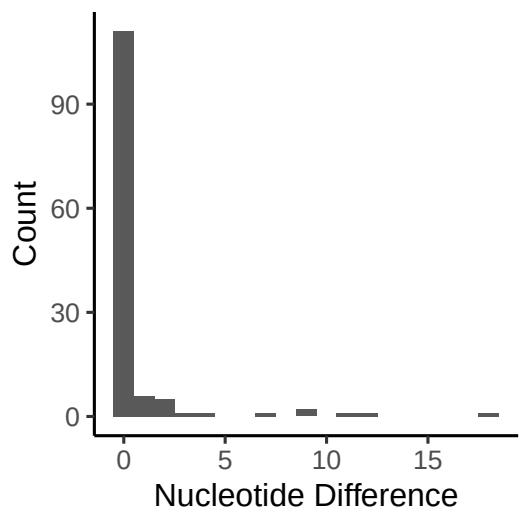
IGHV4−59*01

422 sequences assigned
301 (71.3%) exact matches, in which:
301 unique CDR3
7 unique J



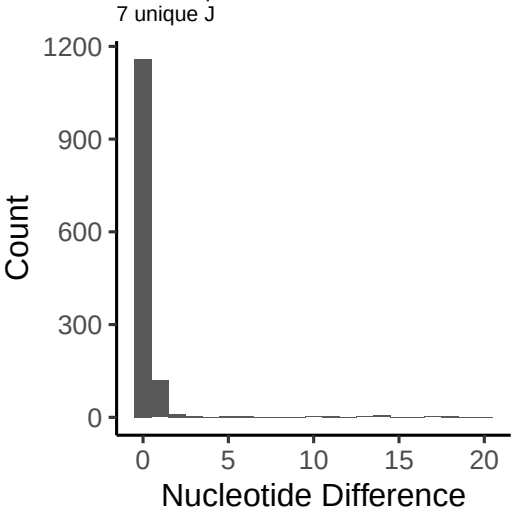
IGHV5−10−1*01

146 sequences assigned
111 (76%) exact matches, in which:
110 unique CDR3
6 unique J



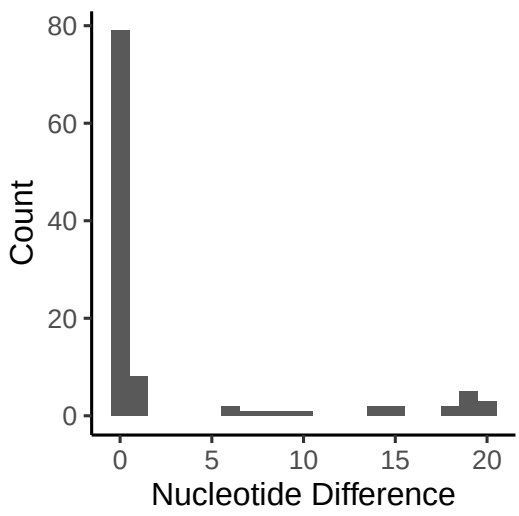
IGHV4−34*01

1388 sequences assigned
1159 (83.5%) exact matches, in which:
1157 unique CDR3
7 unique J



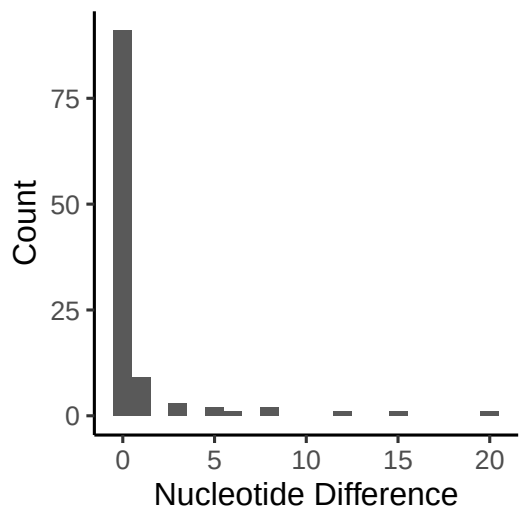
IGHV4−61*01

128 sequences assigned
79 (61.7%) exact matches, in which:
79 unique CDR3
6 unique J



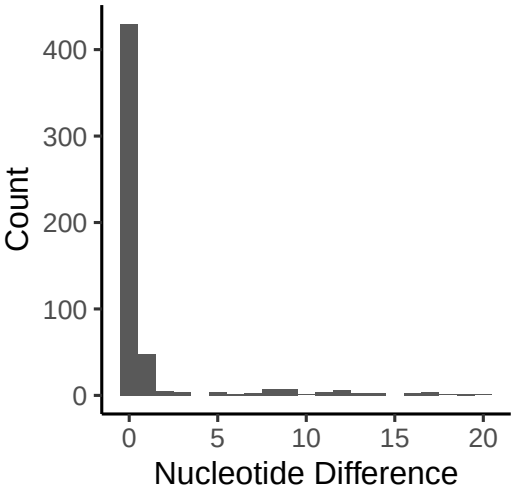
IGHV5−10−1*03

120 sequences assigned
91 (75.8%) exact matches, in which:
91 unique CDR3
6 unique J



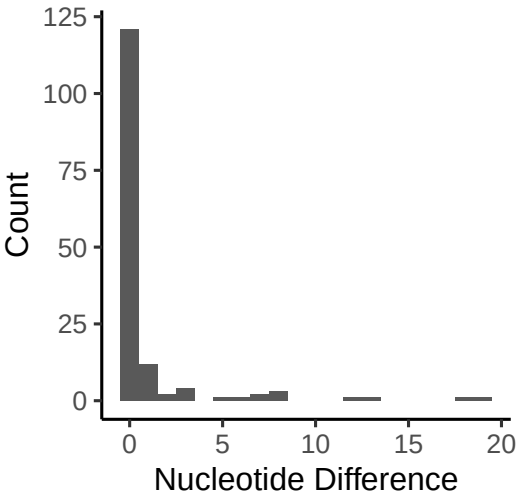
IGHV5−51*01

560 sequences assigned
430 (76.8%) exact matches, in which:
429 unique CDR3
7 unique J



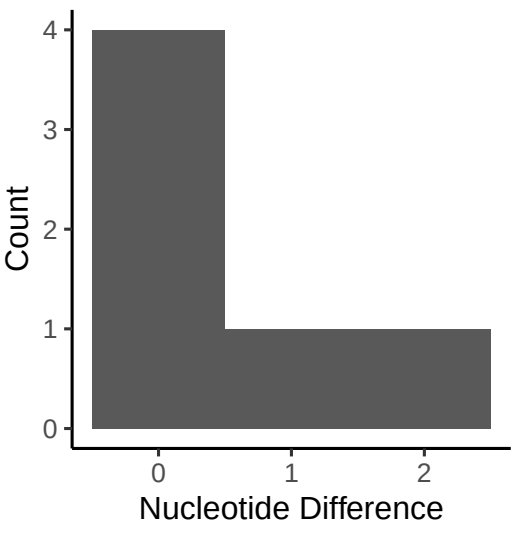
IGHV6−1*01

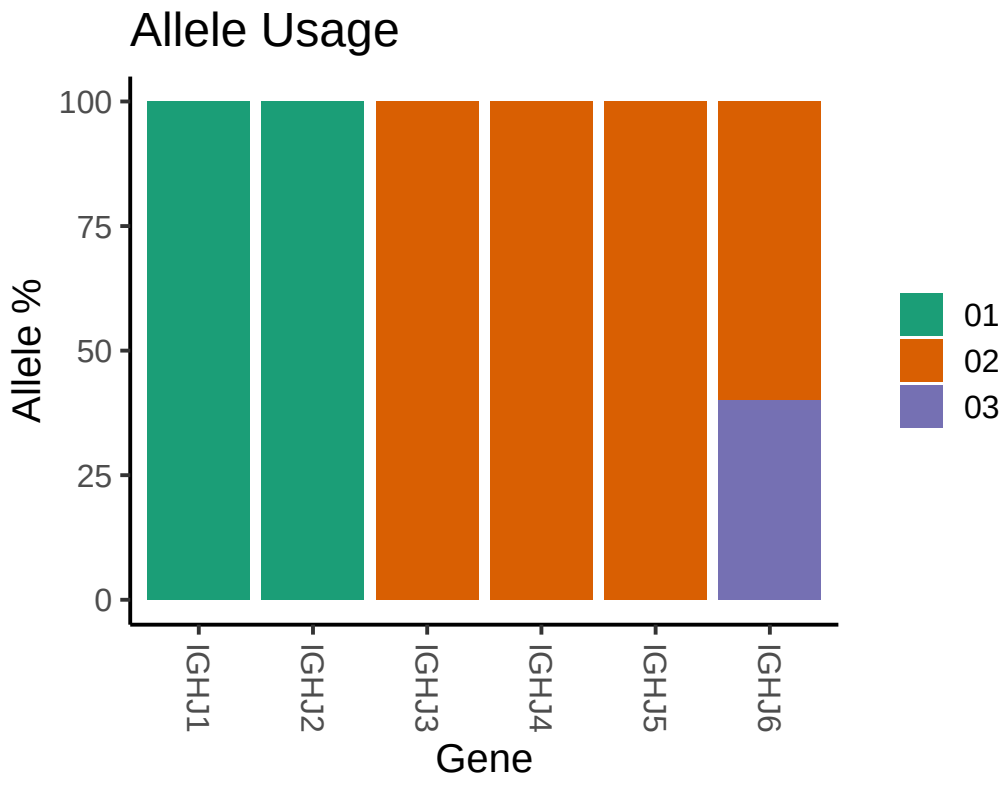
165 sequences assigned
121 (73.3%) exact matches, in which:
120 unique CDR3
7 unique J

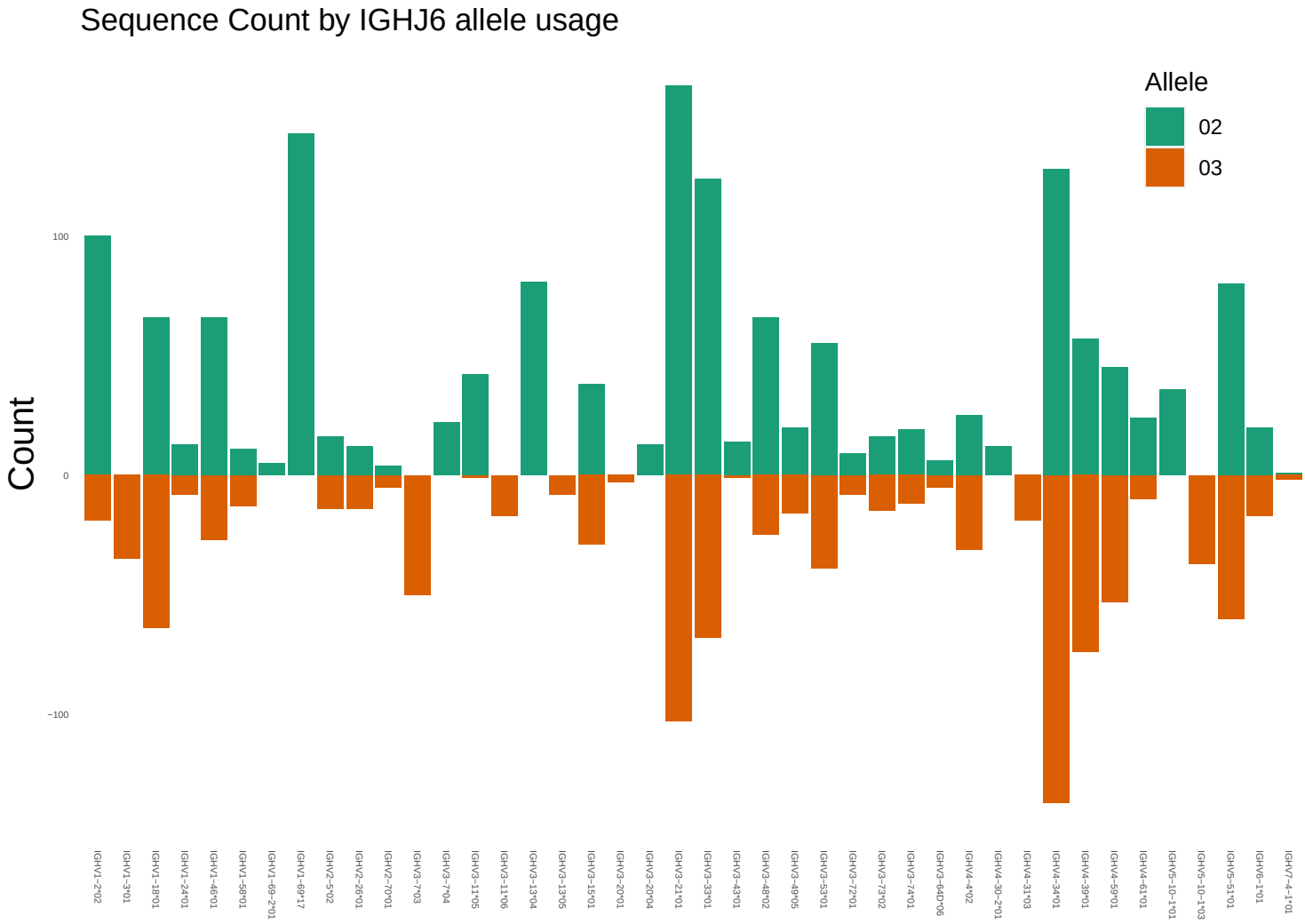


IGHV7−4−1*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 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
Allele
02
03
Count
100
0
−100
IGHV1−2*02
IGHV1−3*01
IGHV1−18*01
IGHV1−24*01
IGHV1−46*01
IGHV1−58*01
IGHV1−69−2*01
IGHV1−69*17
IGHV2−5*02
IGHV2−26*01
IGHV2−70*01
IGHV3−7*03
IGHV3−7*04
IGHV3−11*05
IGHV3−11*06
IGHV3−13*04
IGHV3−13*05
IGHV3−15*01
IGHV3−20*01
IGHV3−20*04
IGHV3−21*01
IGHV3−33*01
IGHV3−43*01
IGHV3−48*02
IGHV3−49*05
IGHV3−53*01
IGHV3−72*01
IGHV3−73*02
IGHV3−74*01
IGHV3−6AD*06
IGHV4−4*02
IGHV4−30−2*01
IGHV4−31*03
IGHV4−34*01
IGHV4−39*01
IGHV4−59*01
IGHV4−61*01
IGHV5−10−1*01
IGHV5−10−1*03
IGHV5−51*01
IGHV6−1*01
IGHV7−4−1*01

Warning − no inferred sequences found.