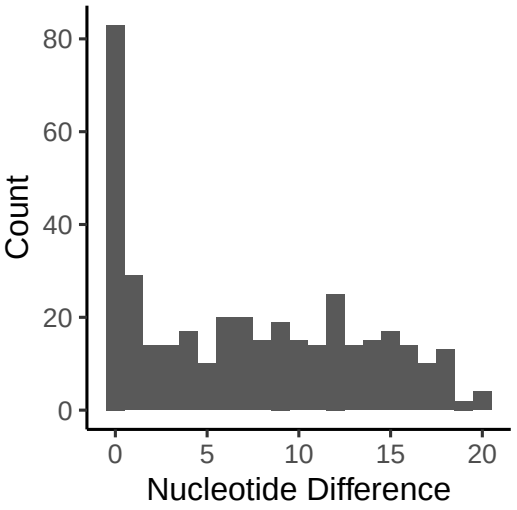
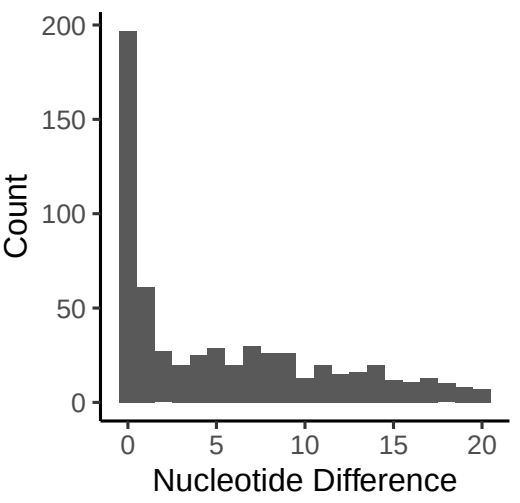
IGHV1−2*04

423 sequences assigned
83 (19.6%) exact matches, in which:
79 unique CDR3
6 unique J



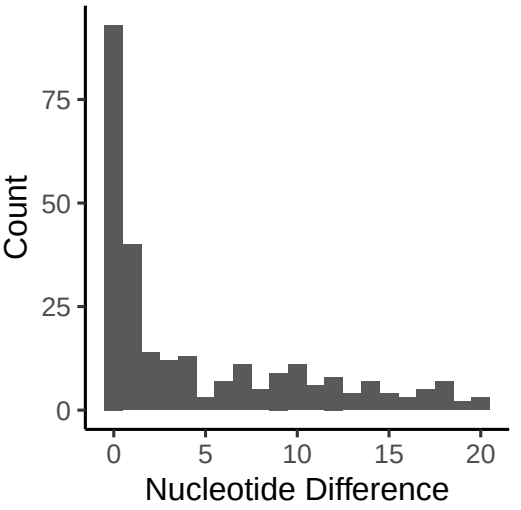
IGHV1−18*04

731 sequences assigned
197 (26.9%) exact matches, in which:
189 unique CDR3
7 unique J



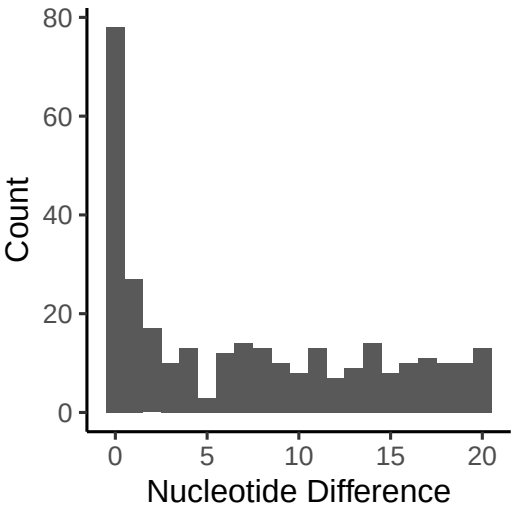
IGHV1−46*01

340 sequences assigned
93 (27.4%) exact matches, in which:
90 unique CDR3
5 unique J



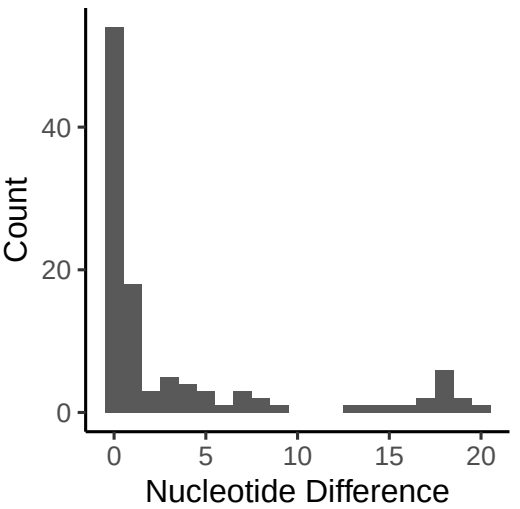
IGHV1−3*01

413 sequences assigned
78 (18.9%) exact matches, in which:
75 unique CDR3
7 unique J



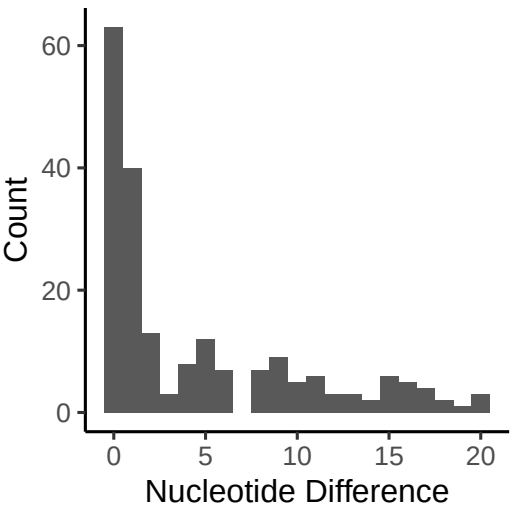
IGHV1−24*01

112 sequences assigned
54 (48.2%) exact matches, in which:
54 unique CDR3
6 unique J



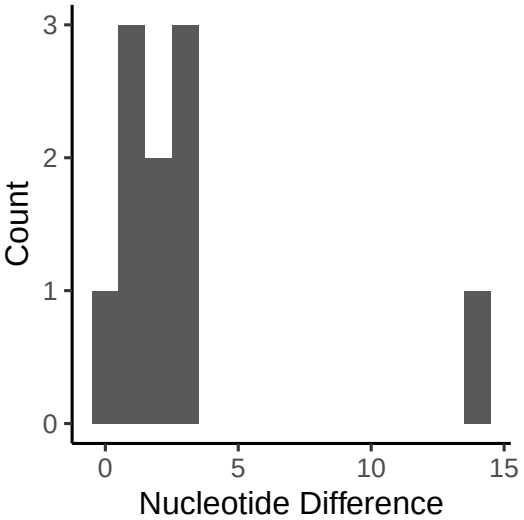
IGHV1−46*03

211 sequences assigned
63 (29.9%) exact matches, in which:
57 unique CDR3
6 unique J



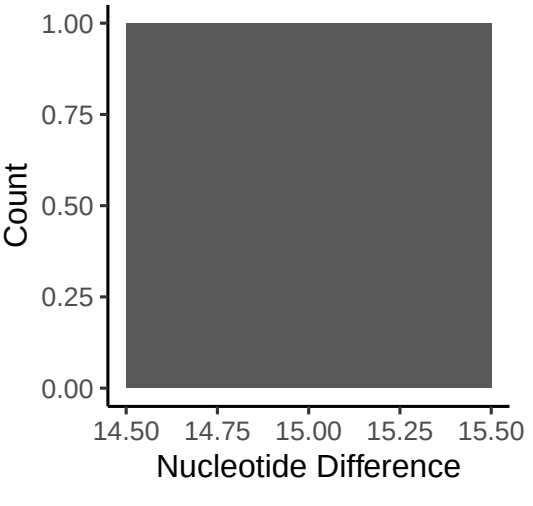
IGHV1−8*01

11 sequences assigned
1 (9.1%) exact matches, in which:
1 unique CDR3
1 unique J



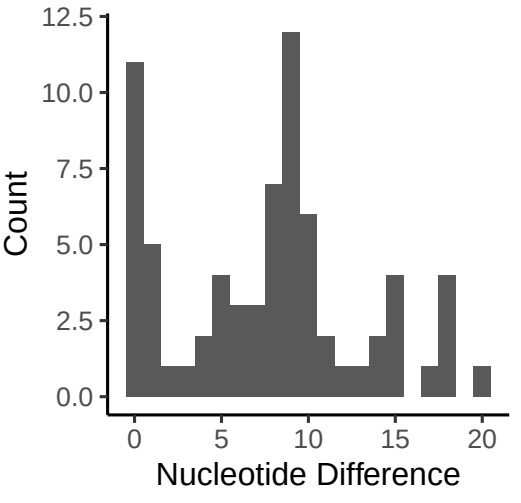
IGHV1−45*02

1 sequences assigned
No exact matches.



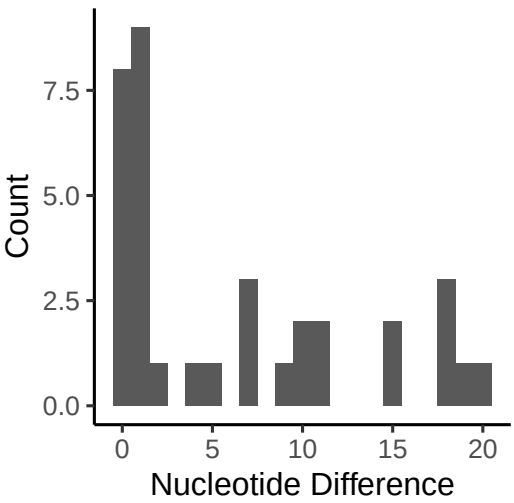
IGHV1−58*01

85 sequences assigned
11 (12.9%) exact matches, in which:
11 unique CDR3
3 unique J



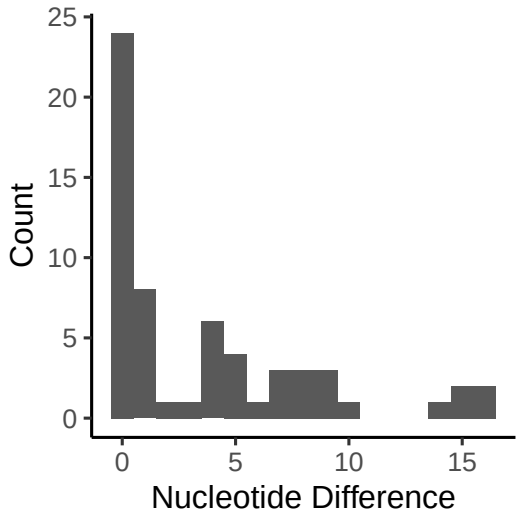
IGHV1−58*02

36 sequences assigned
8 (22.2%) exact matches, in which:
5 unique CDR3
3 unique J



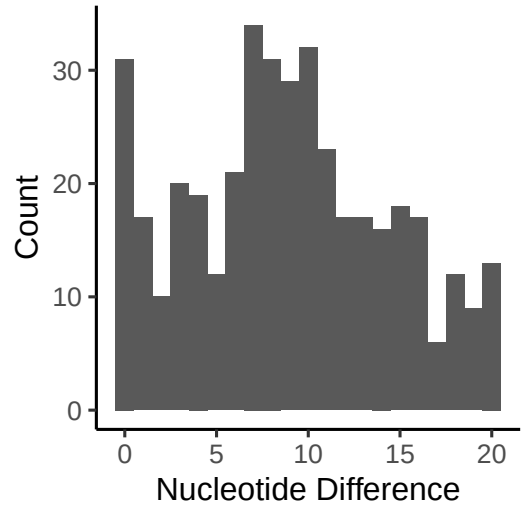
IGHV2−70*01

64 sequences assigned
24 (37.5%) exact matches, in which:
24 unique CDR3
5 unique J



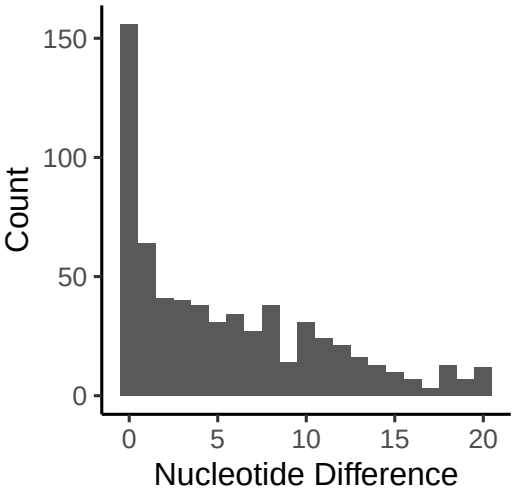
IGHV3−7*05

475 sequences assigned
31 (6.5%) exact matches, in which:
31 unique CDR3
5 unique J



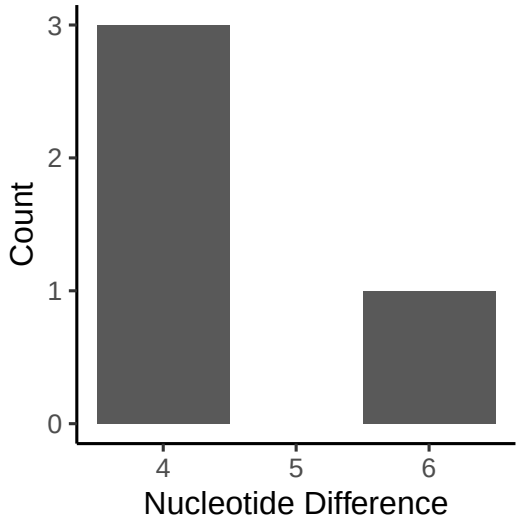
IGHV2−5*02

712 sequences assigned
156 (21.9%) exact matches, in which:
156 unique CDR3
7 unique J



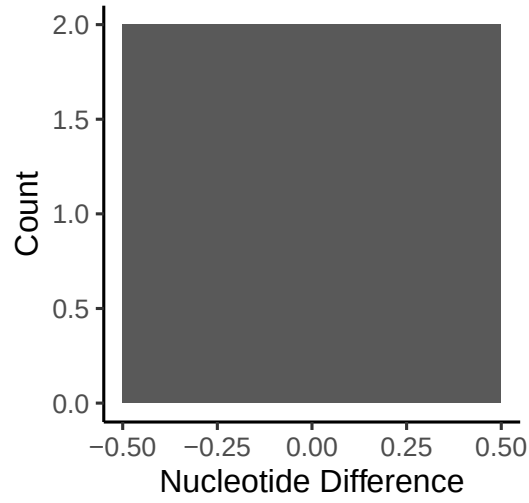
IGHV2−70D*04

4 sequences assigned
No exact matches.



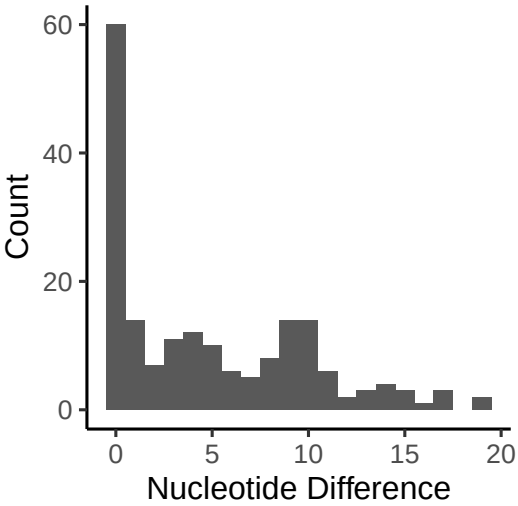
IGHV3−9*01

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



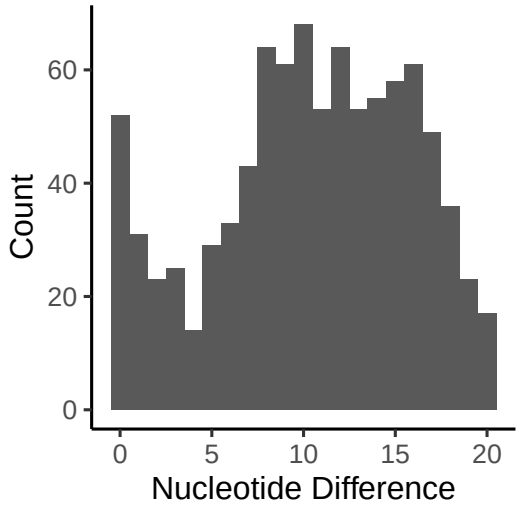
IGHV2−26*01

190 sequences assigned
60 (31.6%) exact matches, in which:
59 unique CDR3
6 unique J



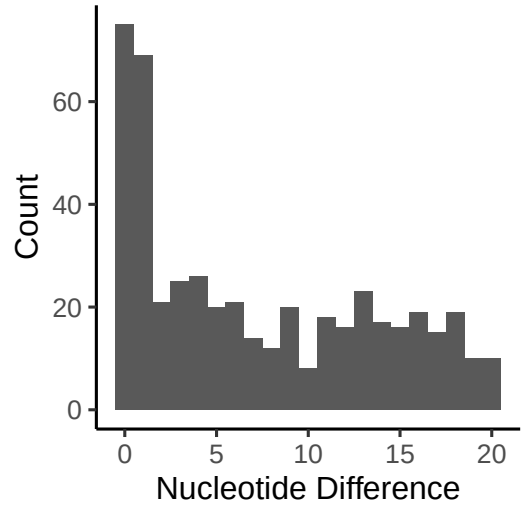
IGHV3−7*03

1083 sequences assigned
52 (4.8%) exact matches, in which:
51 unique CDR3
4 unique J



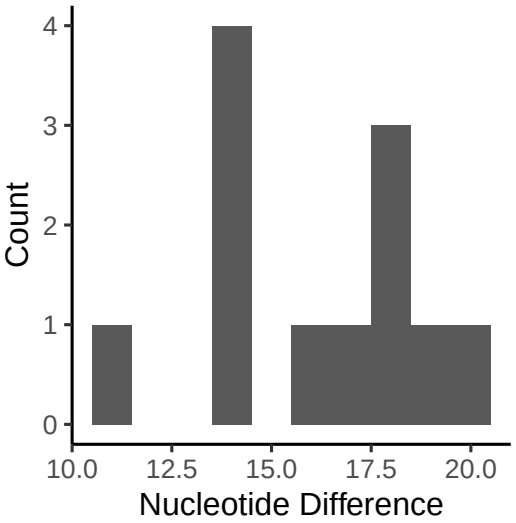
IGHV3−11*06

590 sequences assigned
75 (12.7%) exact matches, in which:
72 unique CDR3
6 unique J



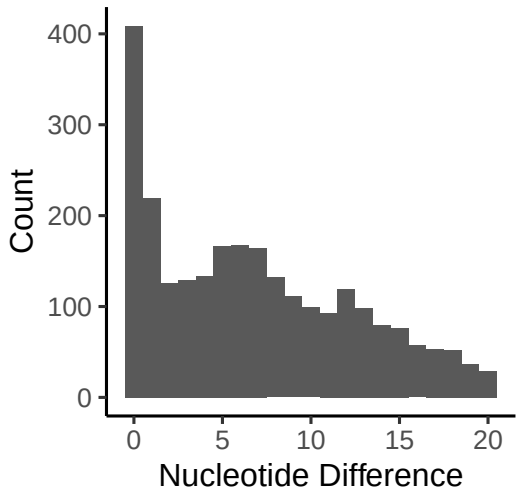
IGHV3−13*01

19 sequences assigned
No exact matches.



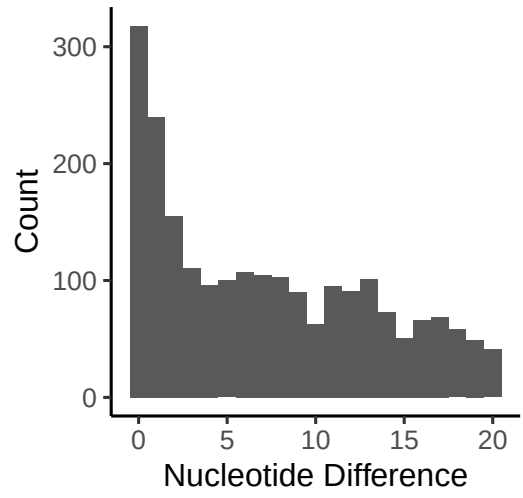
IGHV3−21*01

2969 sequences assigned
409 (13.8%) exact matches, in which:
384 unique CDR3
7 unique J



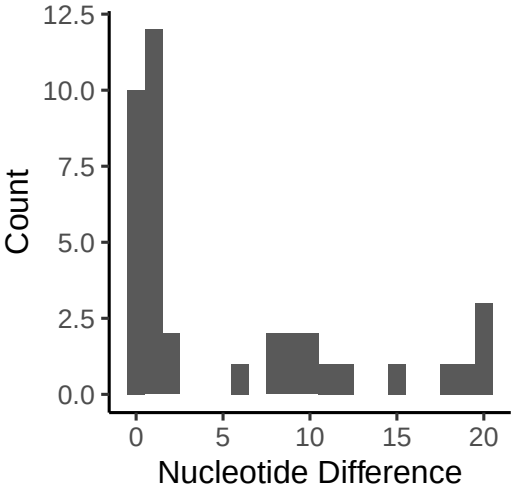
IGHV3−33*01

2561 sequences assigned
318 (12.4%) exact matches, in which:
309 unique CDR3
7 unique J



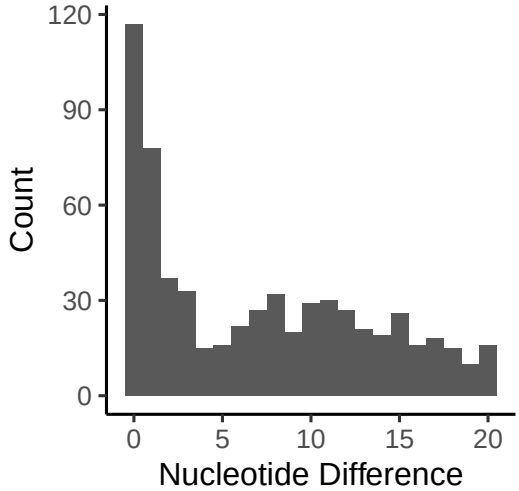
IGHV3−13*05

46 sequences assigned
10 (21.7%) exact matches, in which:
10 unique CDR3
5 unique J



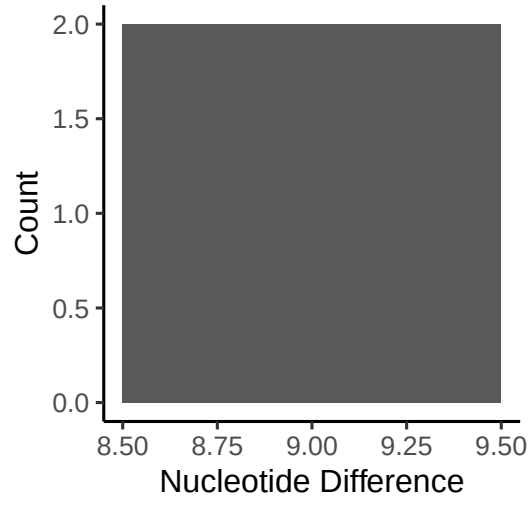
IGHV3−30−3*01

751 sequences assigned
117 (15.6%) exact matches, in which:
110 unique CDR3
6 unique J



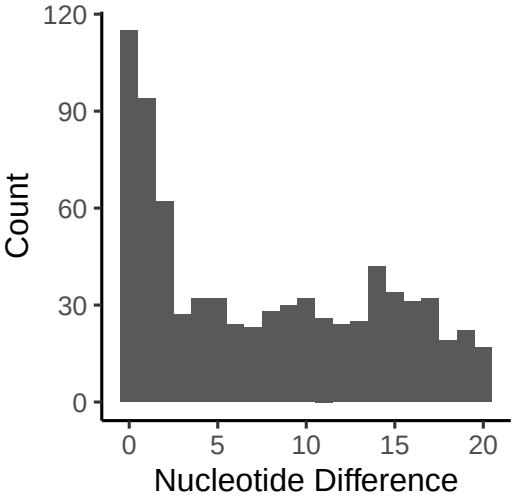
IGHV3−38*01

2 sequences assigned
No exact matches.



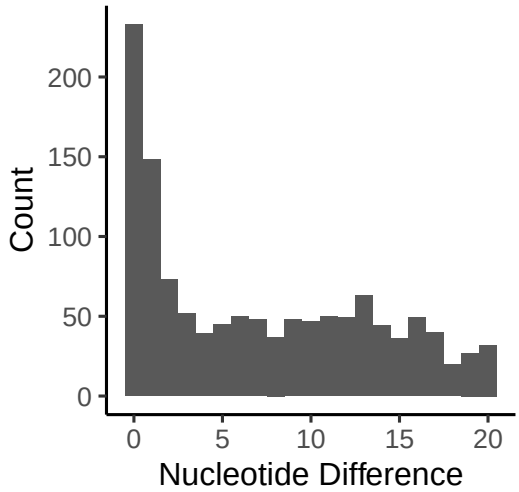
IGHV3−15*01

1095 sequences assigned
115 (10.5%) exact matches, in which:
115 unique CDR3
7 unique J



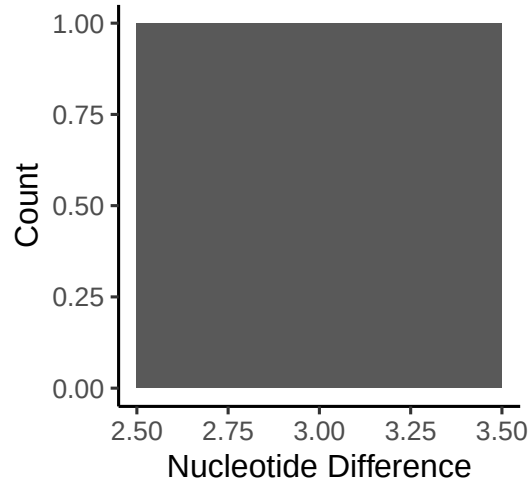
IGHV3−30*03

1568 sequences assigned
233 (14.9%) exact matches, in which:
228 unique CDR3
6 unique J



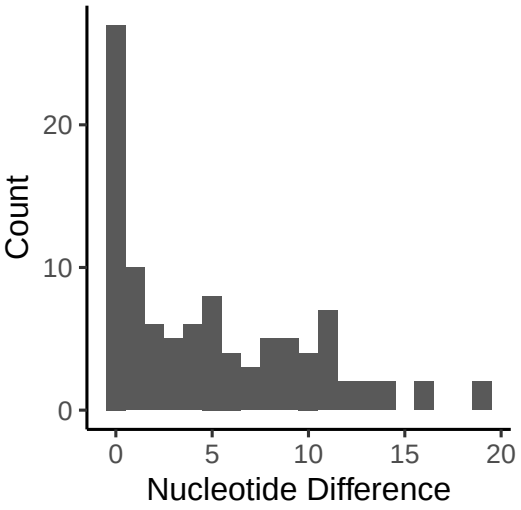
IGHV3−38−3*01

1 sequences assigned
No exact matches.



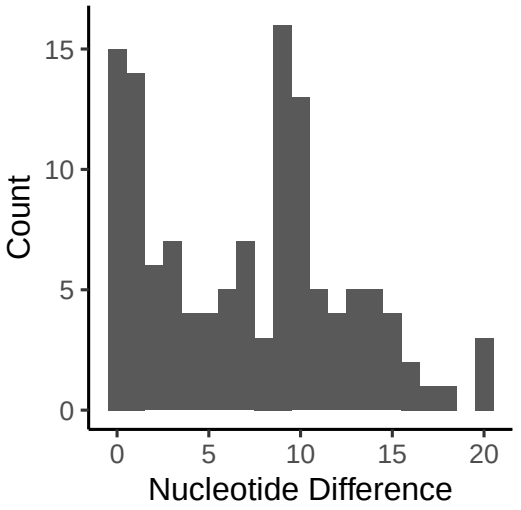
IGHV3−43*01

128 sequences assigned
27 (21.1%) exact matches, in which:
27 unique CDR3
6 unique J



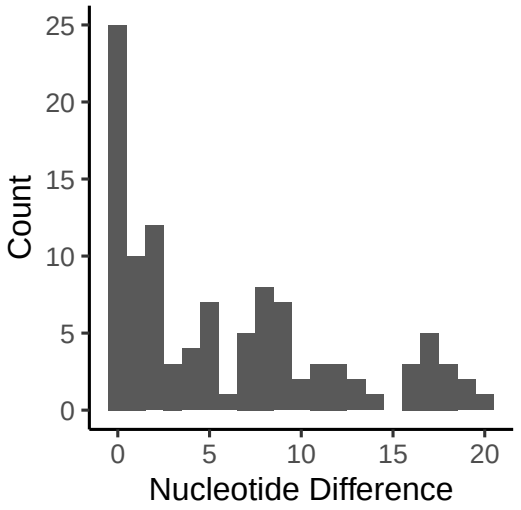
IGHV3−49*03

161 sequences assigned
15 (9.3%) exact matches, in which:
14 unique CDR3
3 unique J



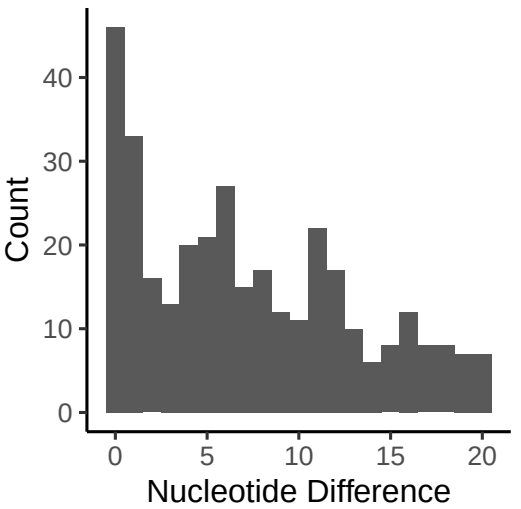
IGHV3−53*02

136 sequences assigned
25 (18.4%) exact matches, in which:
23 unique CDR3
5 unique J



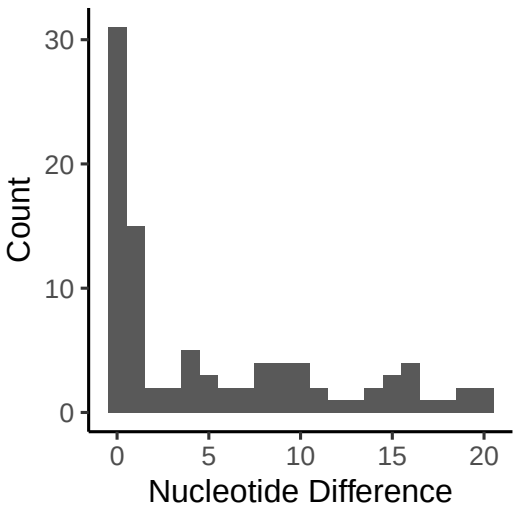
IGHV3−48*01

385 sequences assigned
46 (11.9%) exact matches, in which:
46 unique CDR3
5 unique J



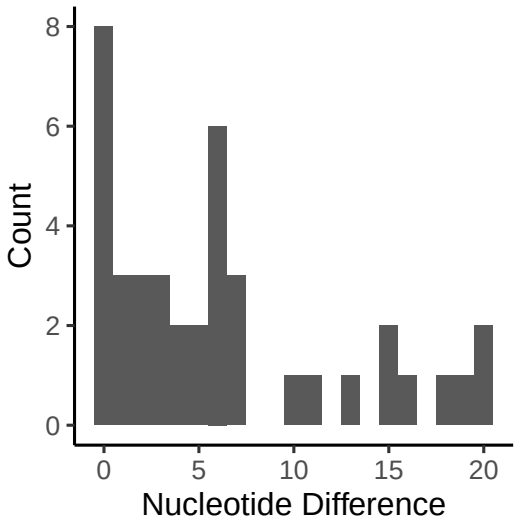
IGHV3−49*05

102 sequences assigned
31 (30.4%) exact matches, in which:
31 unique CDR3
5 unique J



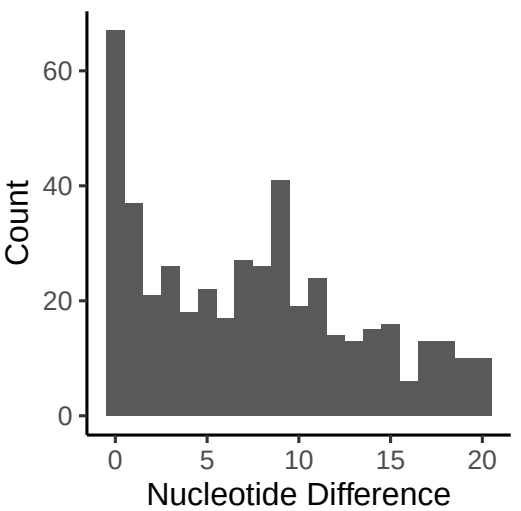
IGHV3−64*01

43 sequences assigned
8 (18.6%) exact matches, in which:
8 unique CDR3
4 unique J



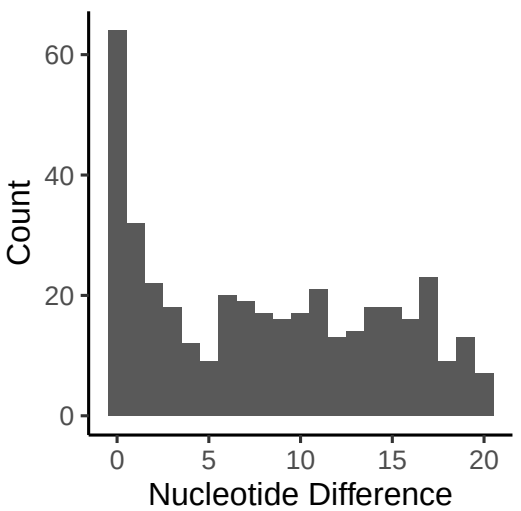
IGHV3−48*02

555 sequences assigned
67 (12.1%) exact matches, in which:
63 unique CDR3
4 unique J



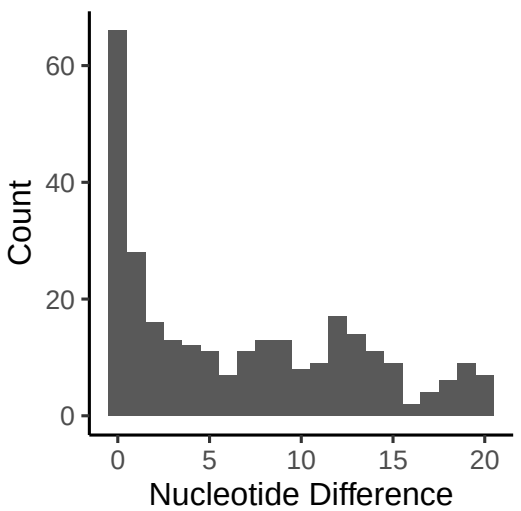
IGHV3−53*01

457 sequences assigned
64 (14%) exact matches, in which:
57 unique CDR3
5 unique J



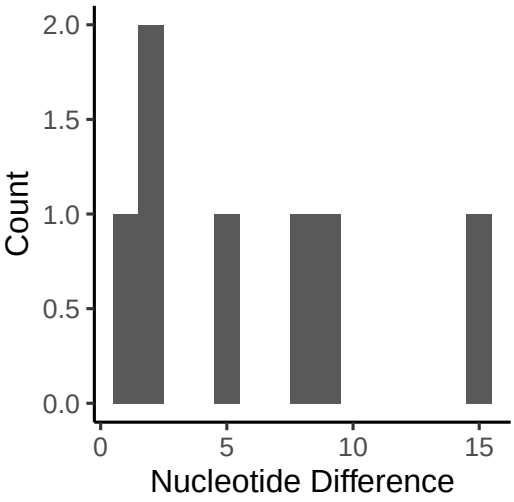
IGHV3−66*02

338 sequences assigned
66 (19.5%) exact matches, in which:
61 unique CDR3
5 unique J



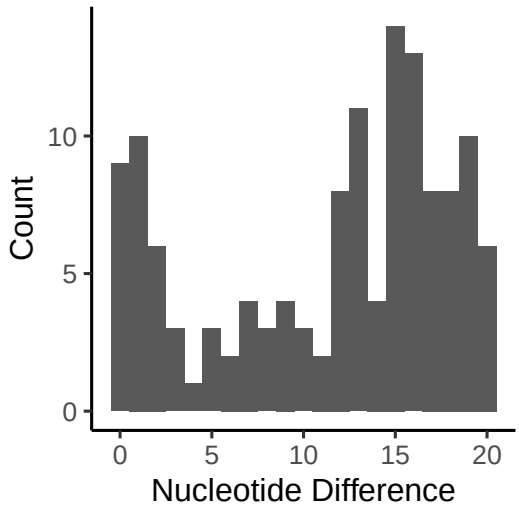
IGHV3−69−1*02

14 sequences assigned
No exact matches.



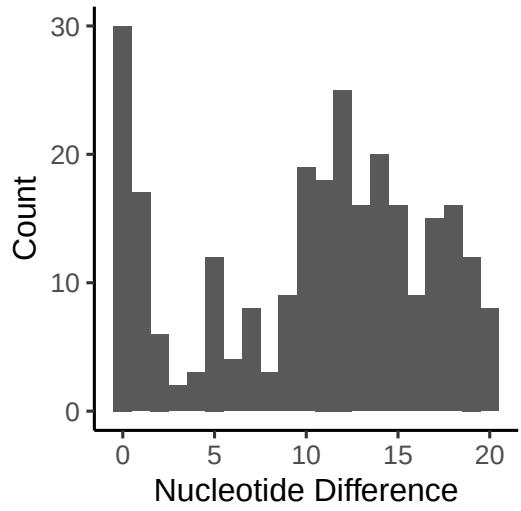
IGHV3−73*02

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



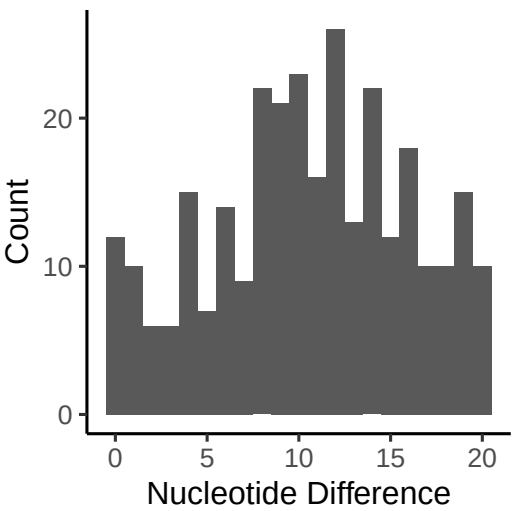
IGHV3−64D*08

341 sequences assigned
30 (8.8%) exact matches, in which:
30 unique CDR3
4 unique J



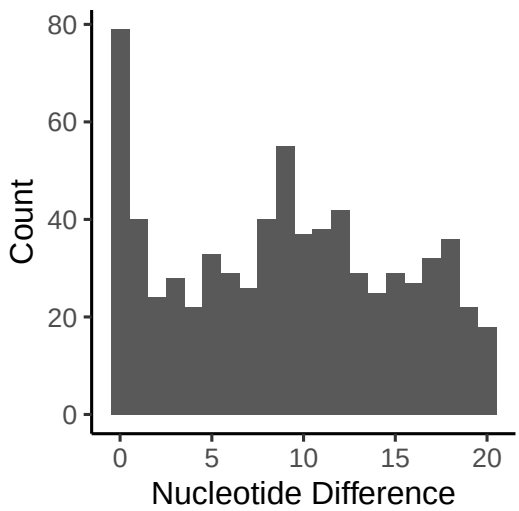
IGHV3−72*01

359 sequences assigned
12 (3.3%) exact matches, in which:
12 unique CDR3
5 unique J



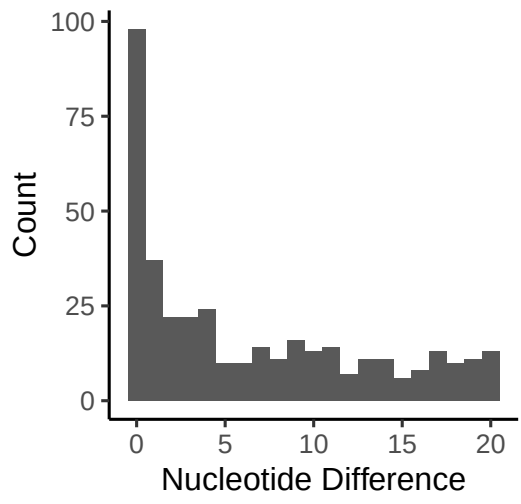
IGHV3−74*01

885 sequences assigned
79 (8.9%) exact matches, in which:
79 unique CDR3
6 unique J



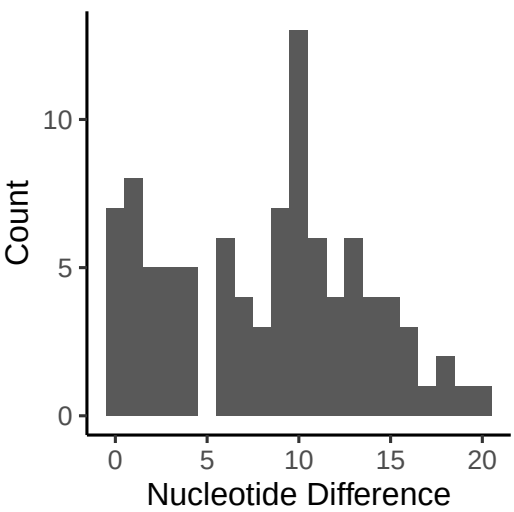
IGHV4−4*02

443 sequences assigned
98 (22.1%) exact matches, in which:
97 unique CDR3
5 unique J



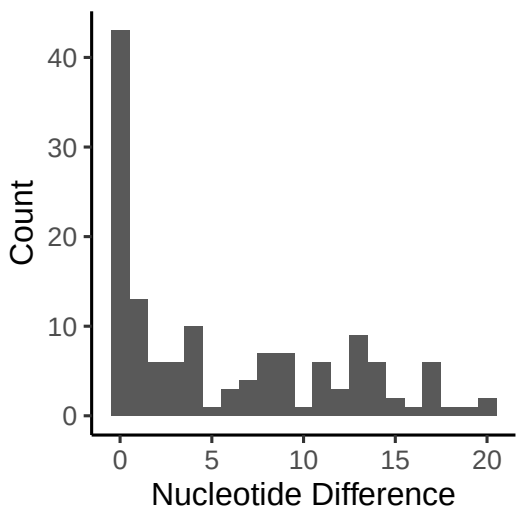
IGHV3−73*01

129 sequences assigned
7 (5.4%) exact matches, in which:
7 unique CDR3
4 unique J



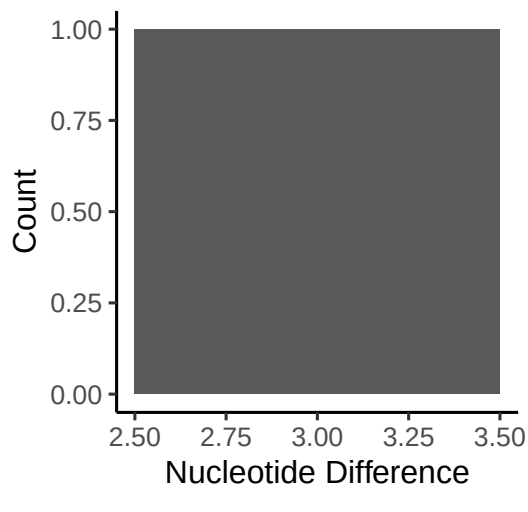
IGHV3−64D*06

172 sequences assigned
43 (25%) exact matches, in which:
41 unique CDR3
4 unique J



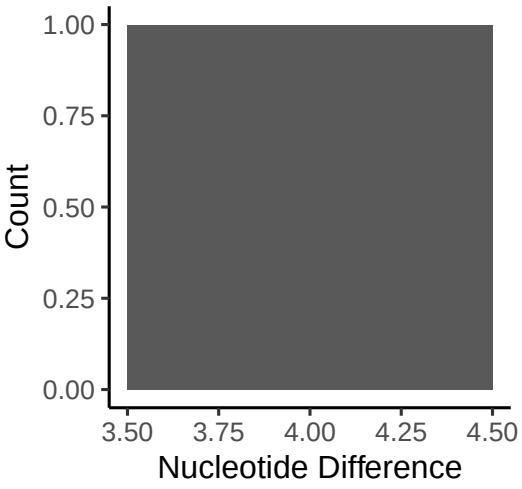
IGHV4−28*01

1 sequences assigned
No exact matches.



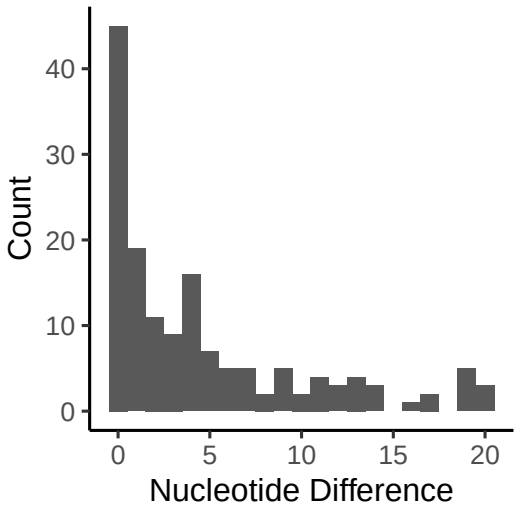
IGHV4−28*03

1 sequences assigned
No exact matches.



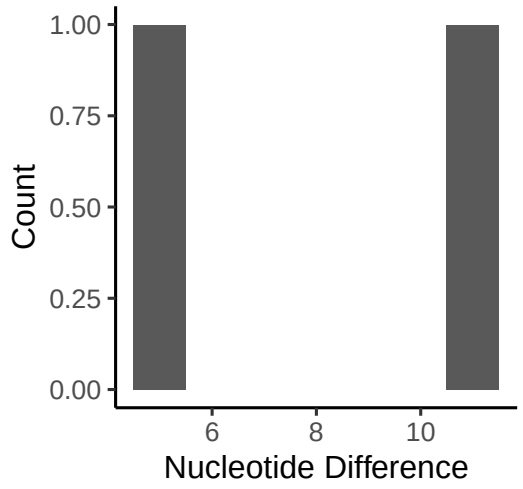
IGHV4−30−4*01

171 sequences assigned
45 (26.3%) exact matches, in which:
45 unique CDR3
5 unique J



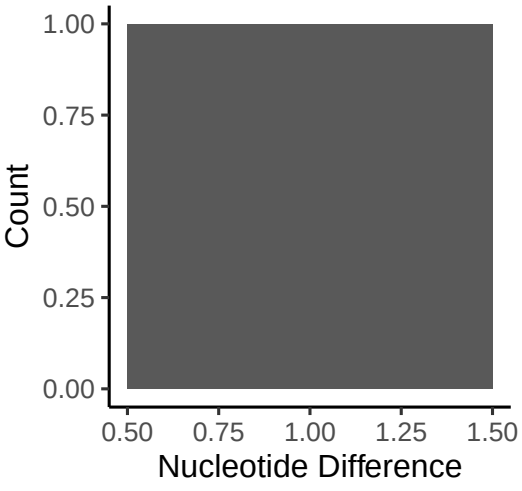
IGHV4−38−2*01

2 sequences assigned
No exact matches.



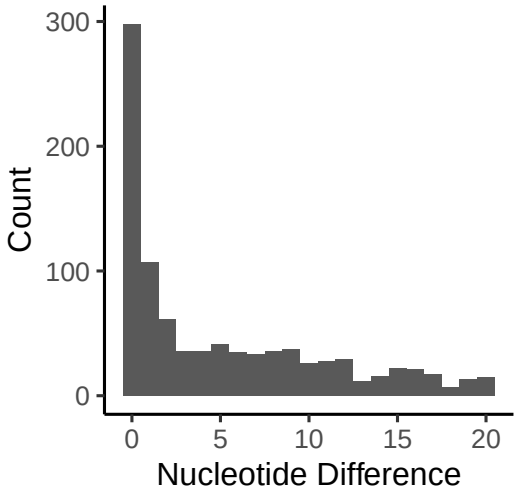
IGHV4−28*04

1 sequences assigned
No exact matches.



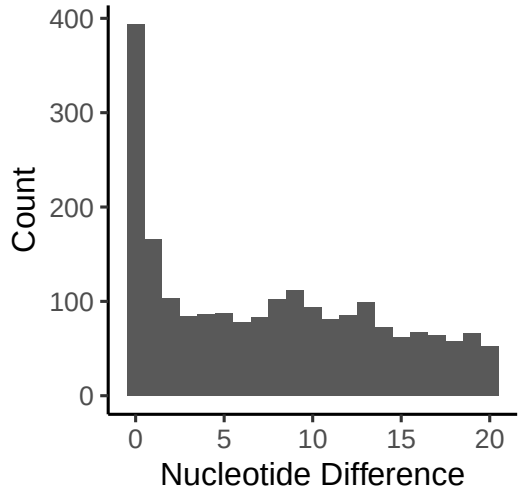
IGHV4−31*03

1050 sequences assigned
298 (28.4%) exact matches, in which:
287 unique CDR3
7 unique J



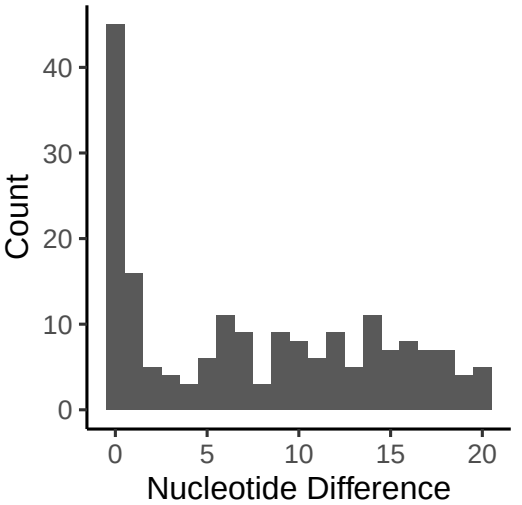
IGHV4−39*01

2624 sequences assigned
394 (15%) exact matches, in which:
384 unique CDR3
7 unique J



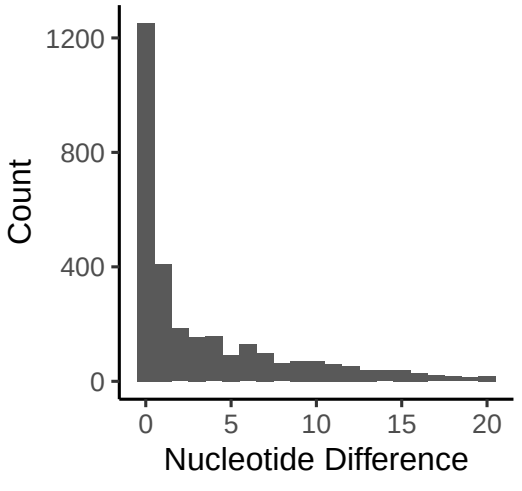
IGHV4−30−2*01

218 sequences assigned
45 (20.6%) exact matches, in which:
44 unique CDR3
5 unique J



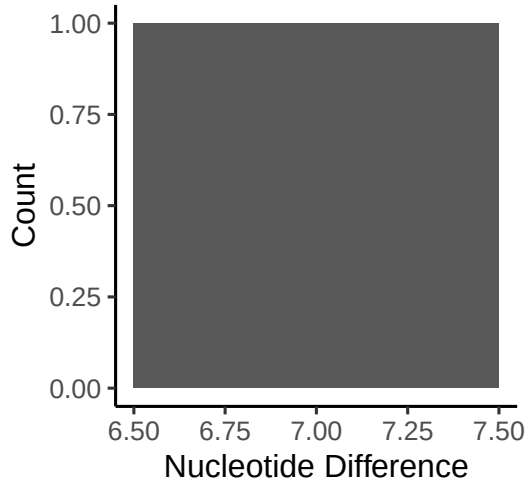
IGHV4−34*01

3205 sequences assigned
1252 (39.1%) exact matches, in which:
1213 unique CDR3
7 unique J



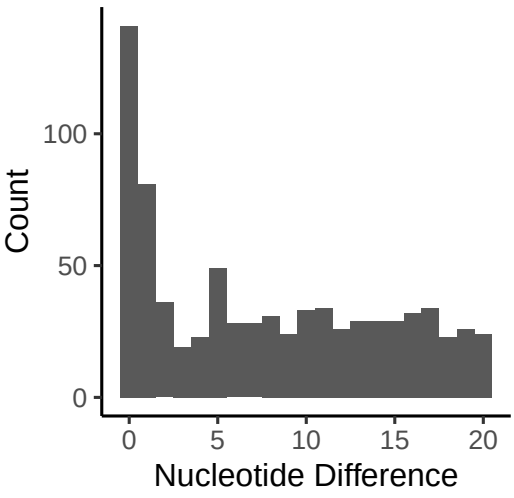
IGHV4−55*08

1 sequences assigned
No exact matches.



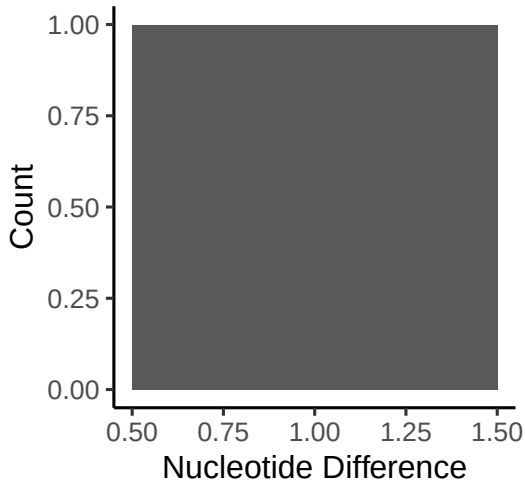
IGHV4−59*01

908 sequences assigned
141 (15.5%) exact matches, in which:
140 unique CDR3
7 unique J



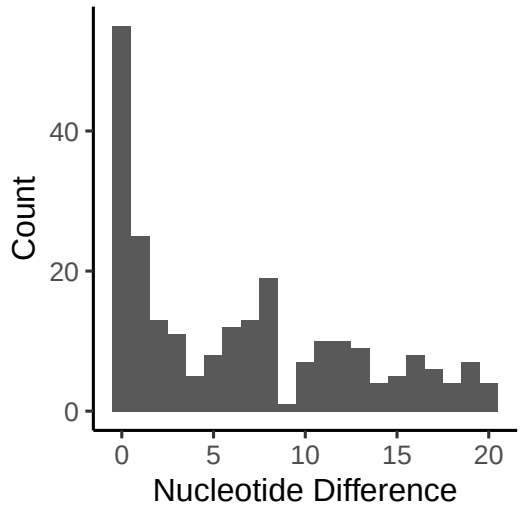
IGHV1/OR15−9*01

1 sequences assigned
No exact matches.



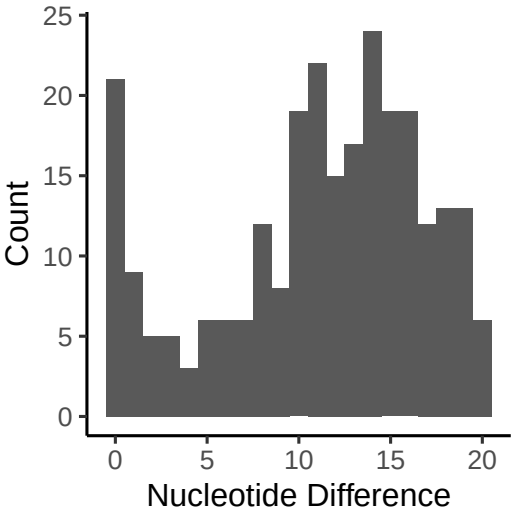
IGHV5−51*03

264 sequences assigned
55 (20.8%) exact matches, in which:
55 unique CDR3
6 unique J



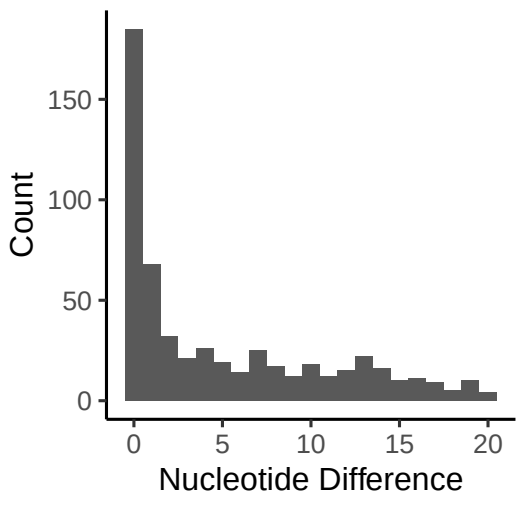
IGHV4−61*01

287 sequences assigned
21 (7.3%) exact matches, in which:
20 unique CDR3
4 unique J



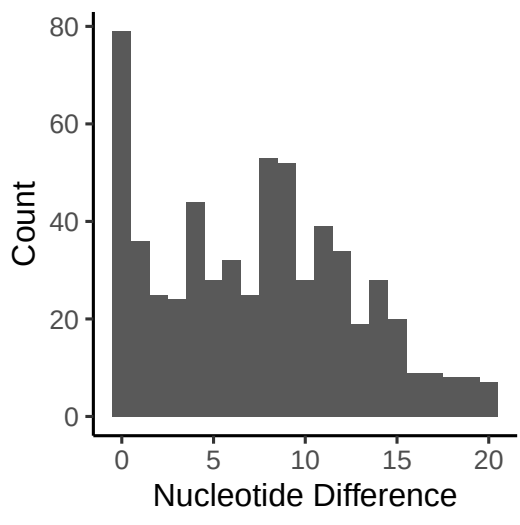
IGHV5−10−1*03

618 sequences assigned
185 (29.9%) exact matches, in which:
181 unique CDR3
7 unique J



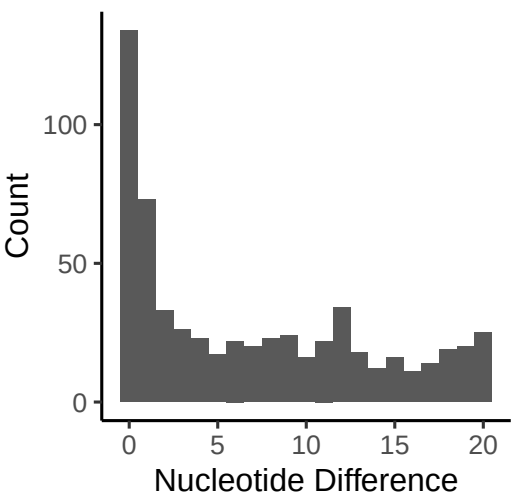
IGHV6−1*01

639 sequences assigned
79 (12.4%) exact matches, in which:
78 unique CDR3
5 unique J



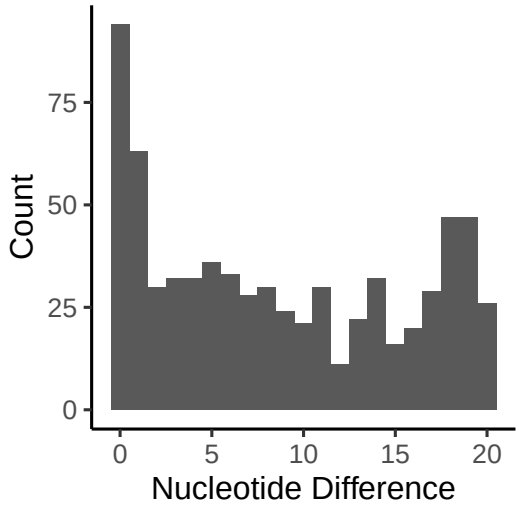
IGHV4−61*02

748 sequences assigned
134 (17.9%) exact matches, in which:
124 unique CDR3
6 unique J



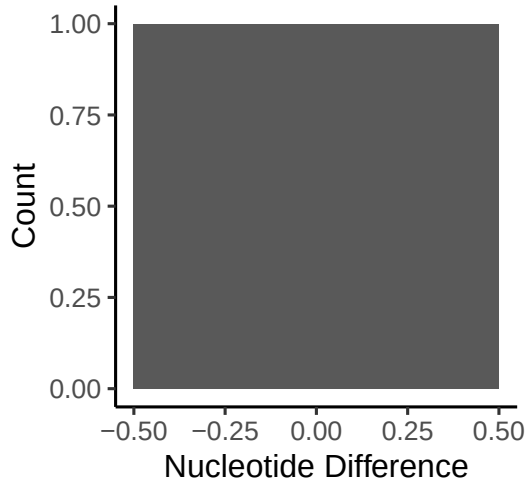
IGHV5−51*01

880 sequences assigned
94 (10.7%) exact matches, in which:
94 unique CDR3
6 unique J



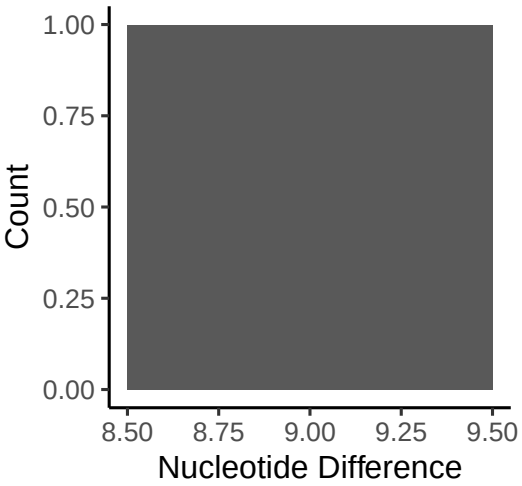
IGHV3/OR16−6*02

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



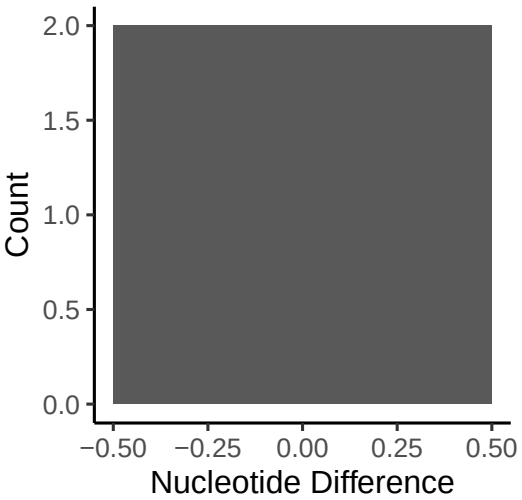
IGHV3/OR16−9*01

1 sequences assigned
No exact matches.



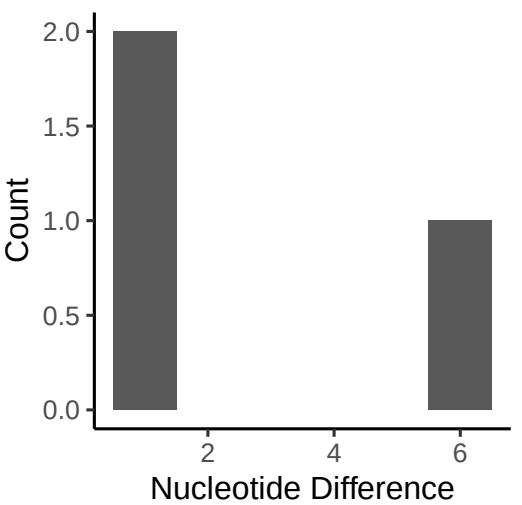
IGHV7−4−1*01

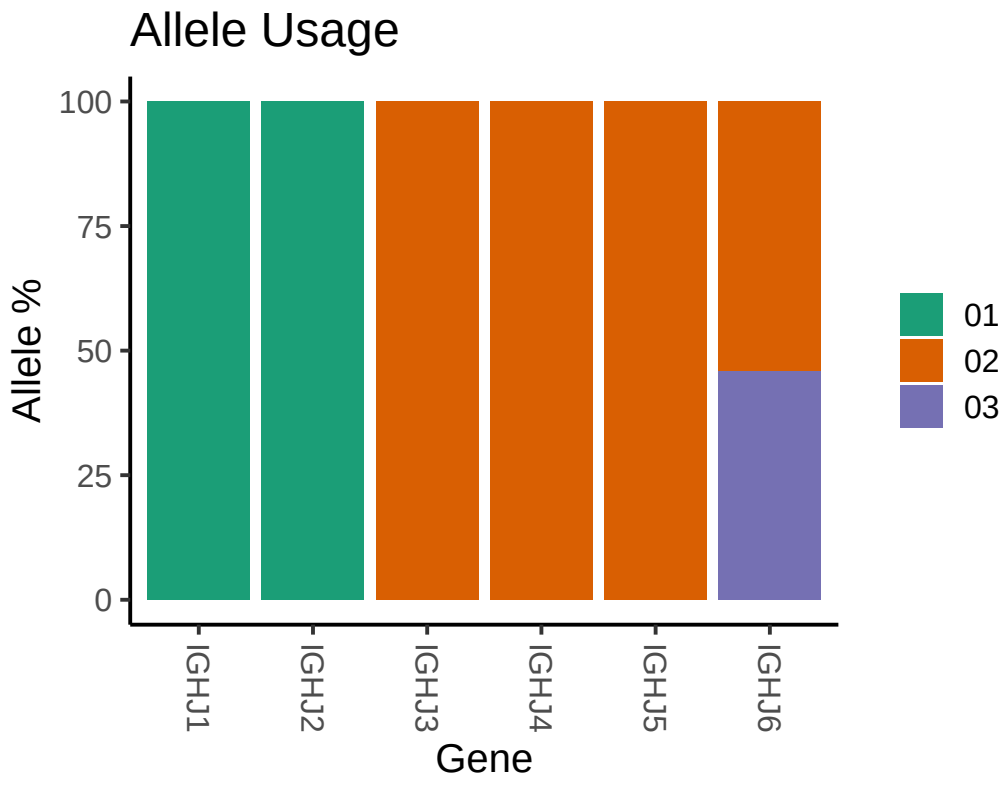
2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J

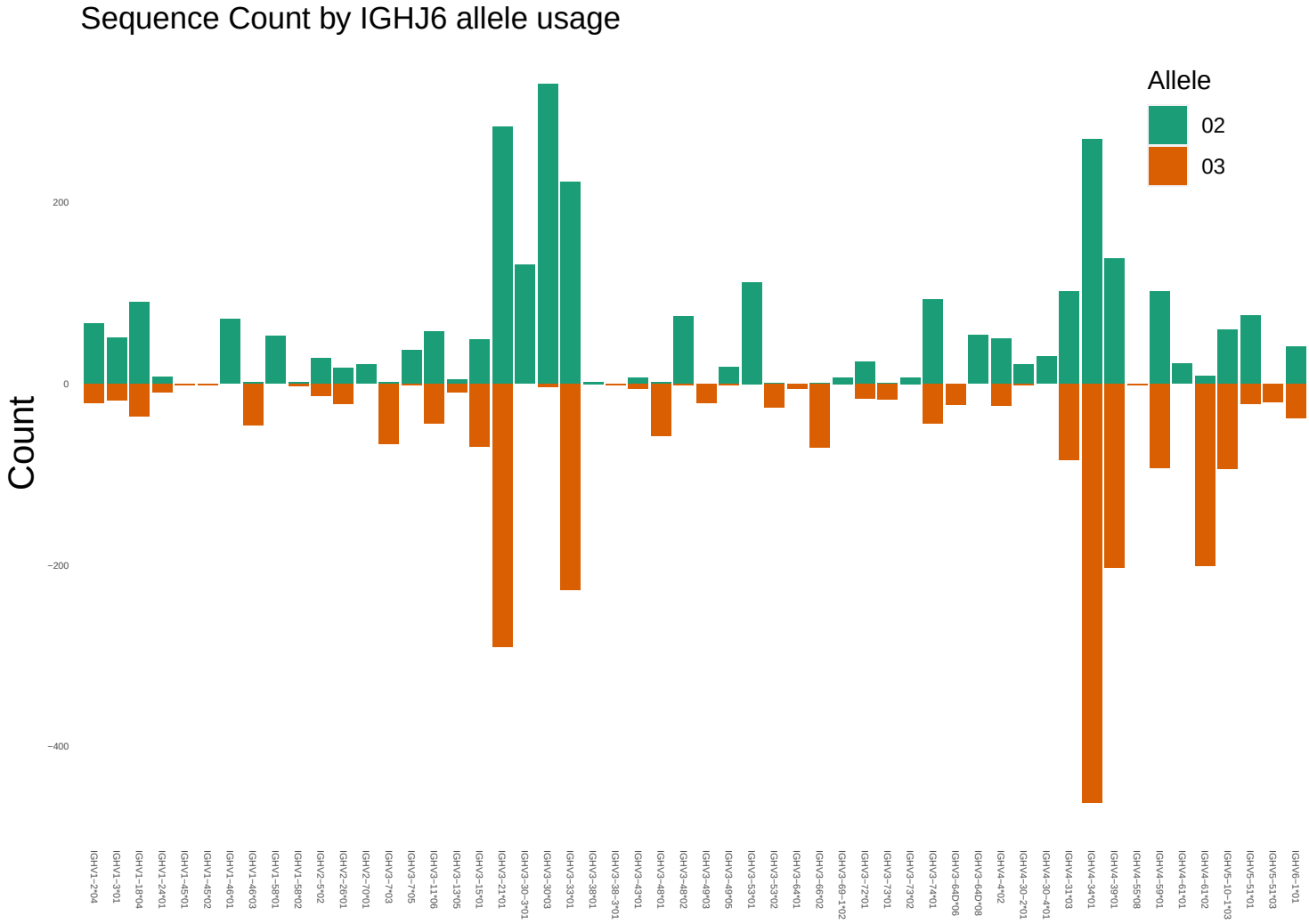


IGHV7−4−1*02

3 sequences assigned
No exact matches.




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
200
0
−200
−400
IGHV1−2*04
IGHV1−3*01
IGHV1−18*04
IGHV1−24*01
IGHV1−45*01
IGHV1−45*02
IGHV1−46*01
IGHV1−46*03
IGHV1−58*01
IGHV1−58*02
IGHV2−5*02
IGHV2−26*01
IGHV2−70*01
IGHV3−7*03
IGHV3−7*05
IGHV3−11*06
IGHV3−13*05
IGHV3−15*01
IGHV3−21*01
IGHV3−30−3*01
IGHV3−30*03
IGHV3−33*01
IGHV3−38*01
IGHV3−38−3*01
IGHV3−43*01
IGHV3−48*01
IGHV3−48*02
IGHV3−49*03
IGHV3−49*05
IGHV3−53*01
IGHV3−53*02
IGHV3−64*01
IGHV3−66*02
IGHV3−69−1*02
IGHV3−72*01
IGHV3−73*01
IGHV3−73*02
IGHV3−74*01
IGHV3−64D*06
IGHV3−64D*08
IGHV4−4*02
IGHV4−30−2*01
IGHV4−30−4*01
IGHV4−31*03
IGHV4−34*01
IGHV4−39*01
IGHV4−55*08
IGHV4−59*01
IGHV4−61*01
IGHV4−61*02
IGHV5−10−1*03
IGHV5−51*01
IGHV5−51*03
IGHV6−1*01

Warning − no inferred sequences found.

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