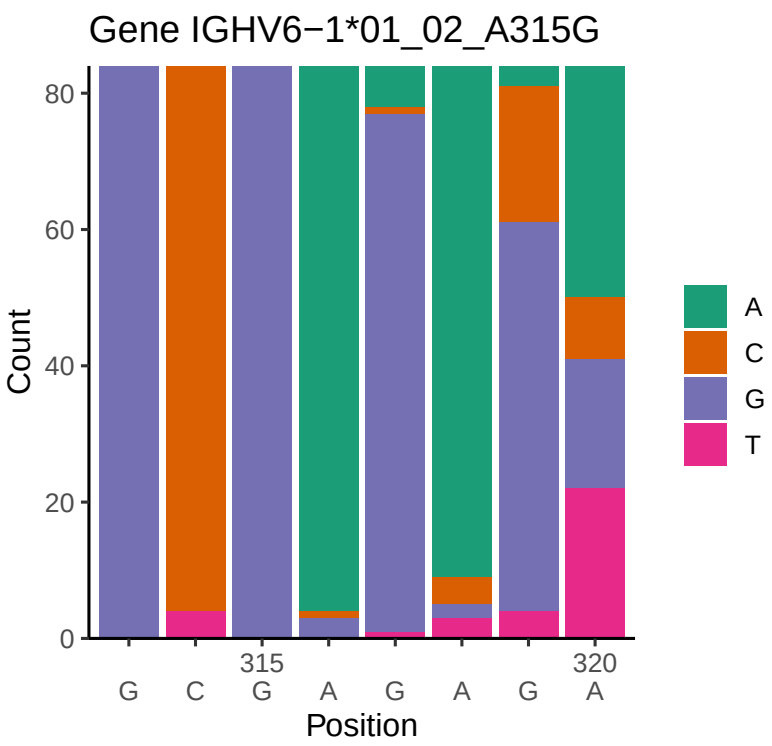
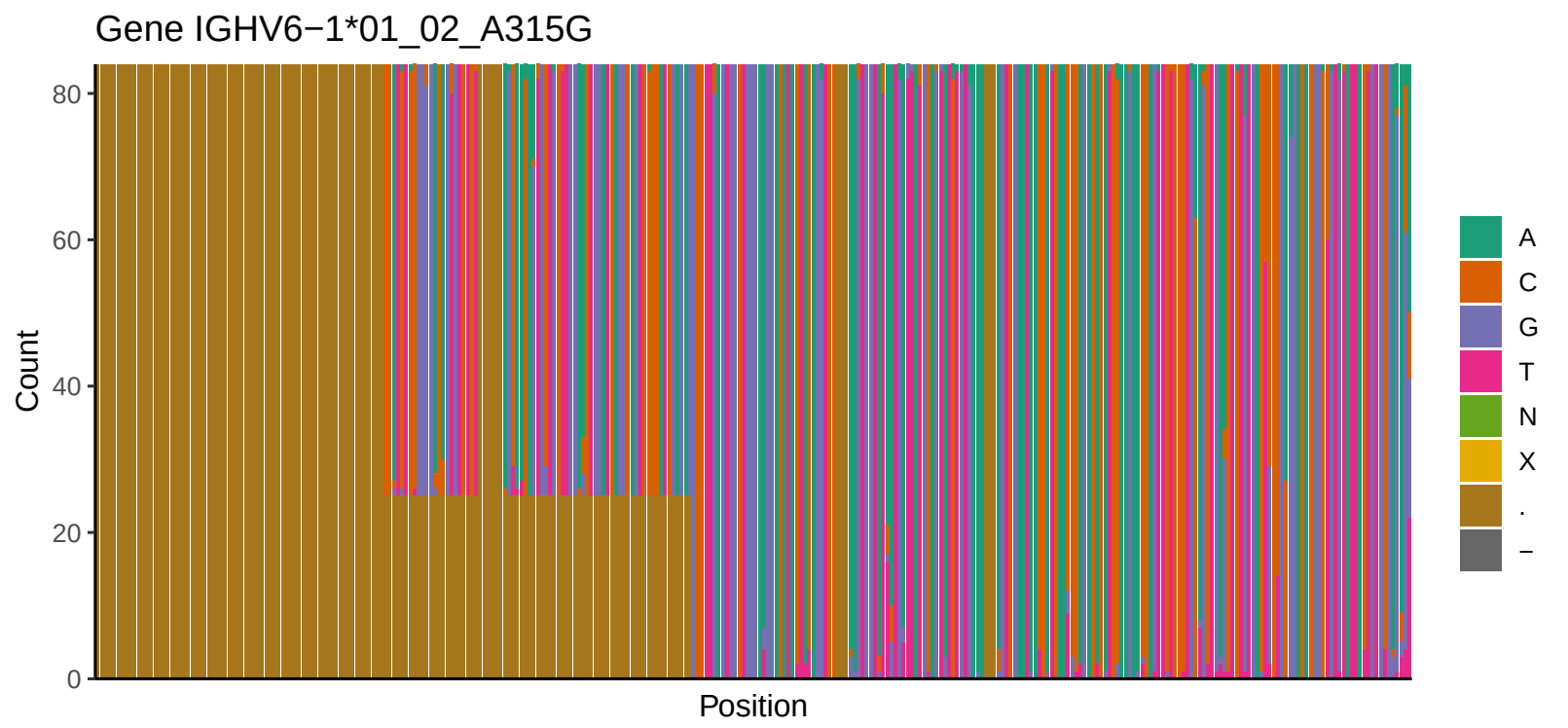
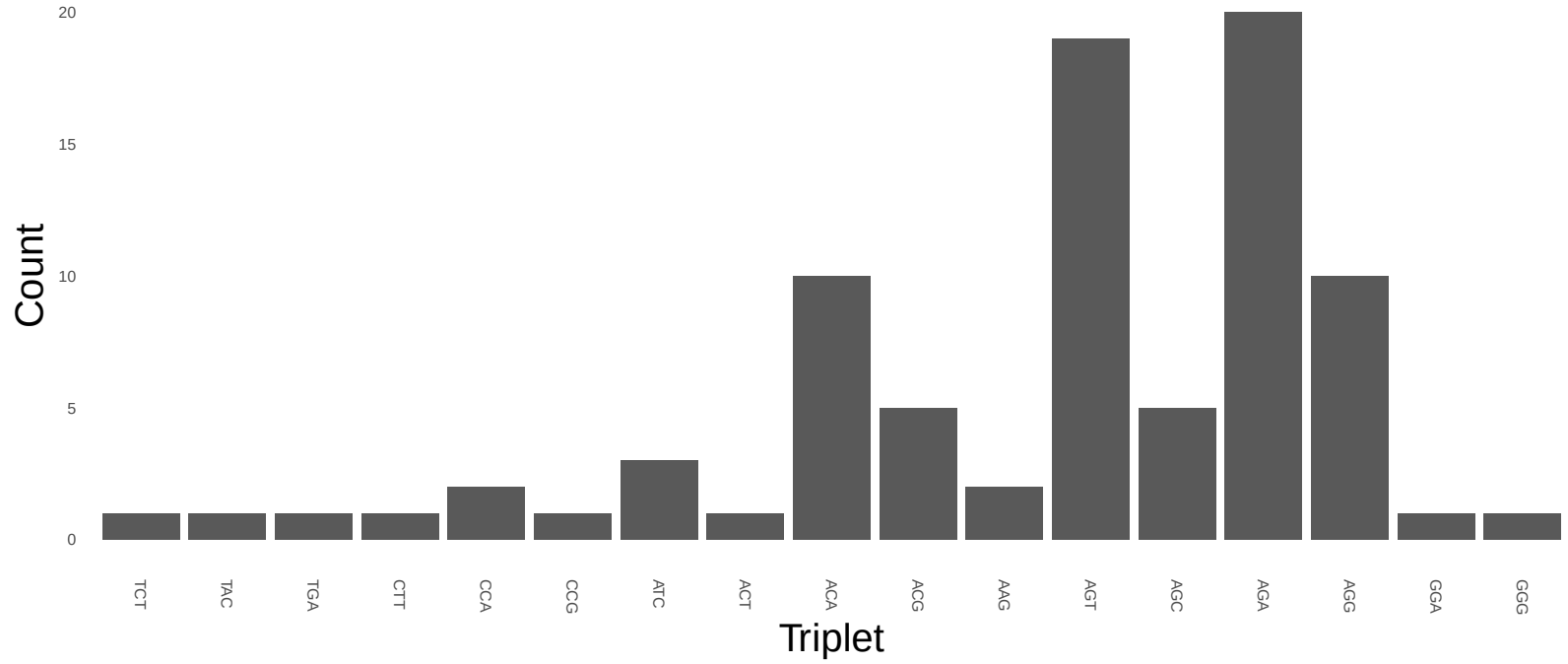

Gene IGHV6−1*01_02_A315G
Count
80
60
40
20
0
G
C
315
G
A
G
A
G
320
A
Position
A
C
G
T

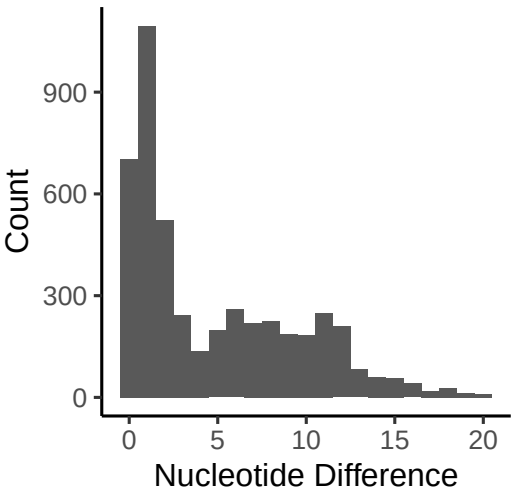

Gene IGHV6−1*01_02_A315G
Count
80
60
40
20
0
Position
A
C
G
T
N
X
.
–

IGHV6−1*01_02_A315G− Final 3 nucleotides as a triplet



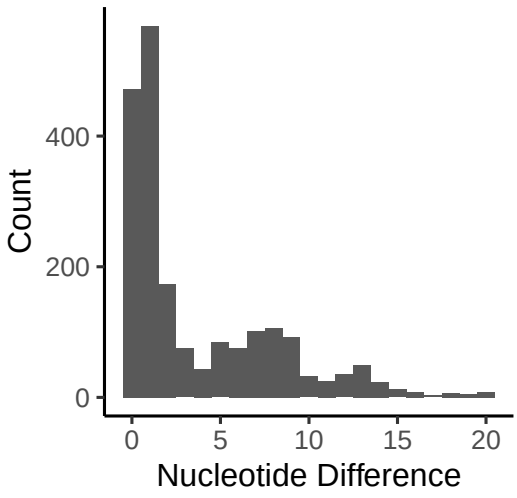
IGHV1−2*02

4802 sequences assigned
703 (14.6%) exact matches, in which:
594 unique CDR3
7 unique J



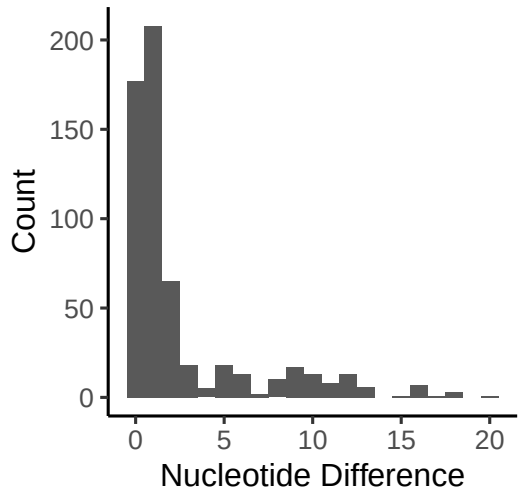
IGHV1−8*01

2315 sequences assigned
472 (20.4%) exact matches, in which:
404 unique CDR3
7 unique J



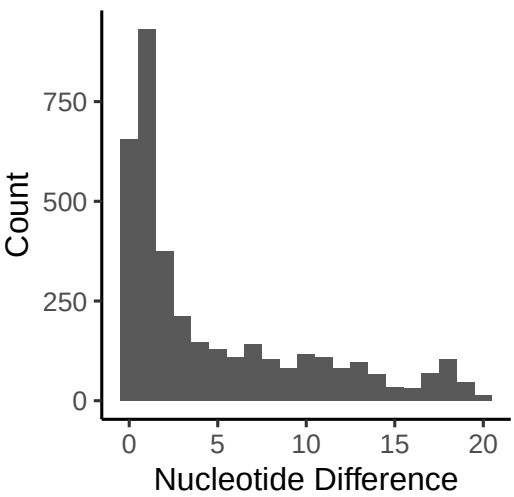
IGHV1−24*01

591 sequences assigned
177 (29.9%) exact matches, in which:
152 unique CDR3
7 unique J



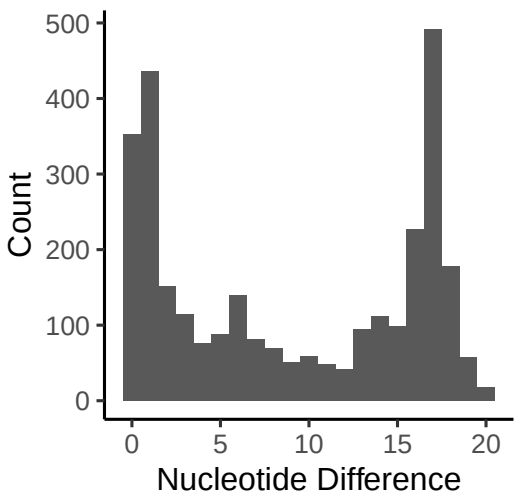
IGHV1−2*06

3798 sequences assigned
655 (17.2%) exact matches, in which:
550 unique CDR3
7 unique J



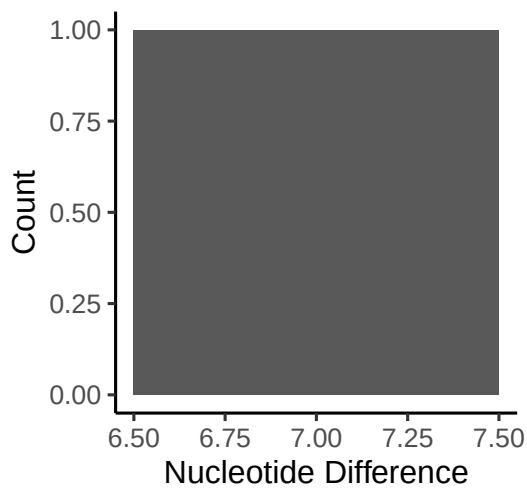
IGHV1−18*01

3068 sequences assigned
353 (11.5%) exact matches, in which:
305 unique CDR3
7 unique J



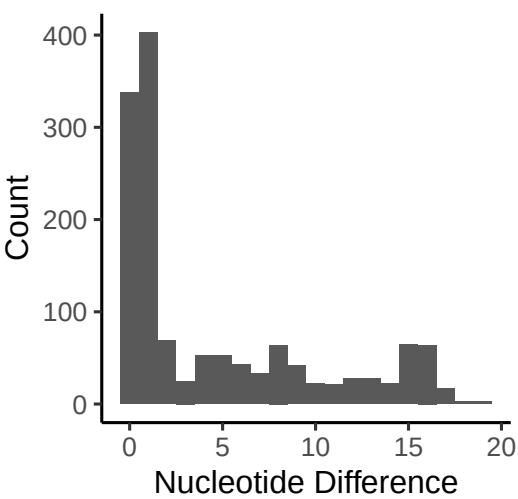
IGHV1−38−4*01

1 sequences assigned
No exact matches.



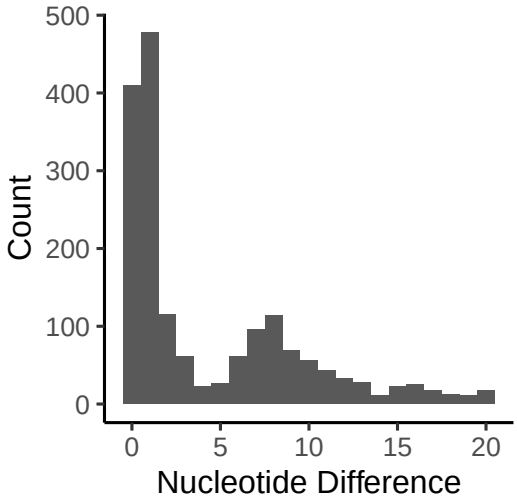
IGHV1−3*01_05

1407 sequences assigned
338 (24%) exact matches, in which:
254 unique CDR3
6 unique J



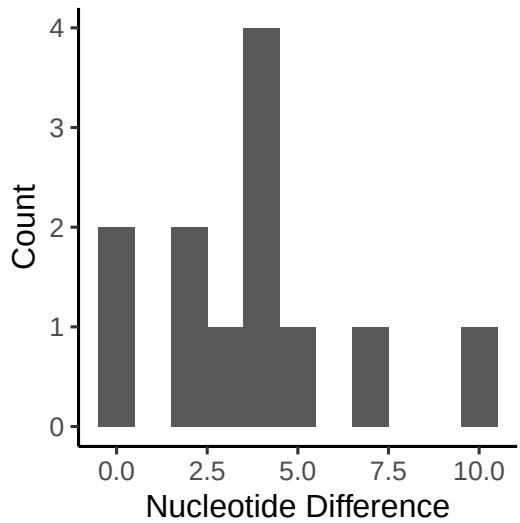
IGHV1−18*04

1860 sequences assigned
409 (22%) exact matches, in which:
359 unique CDR3
7 unique J



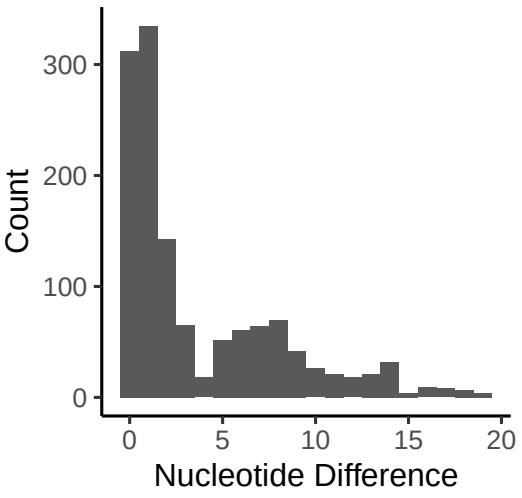
IGHV1−45*02

12 sequences assigned
2 (16.7%) exact matches, in which:
2 unique CDR3
2 unique J



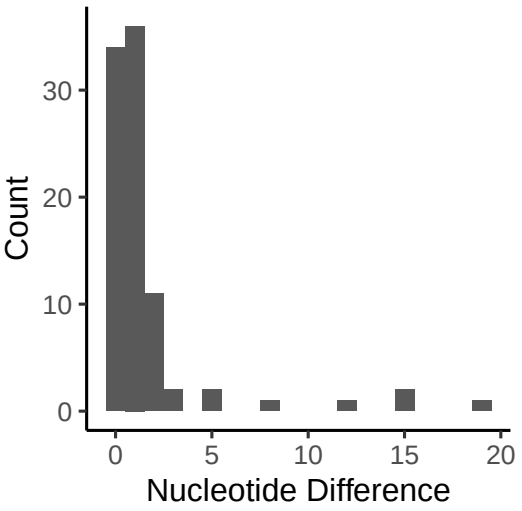
IGHV1−46*01

1376 sequences assigned
312 (22.7%) exact matches, in which:
288 unique CDR3
6 unique J



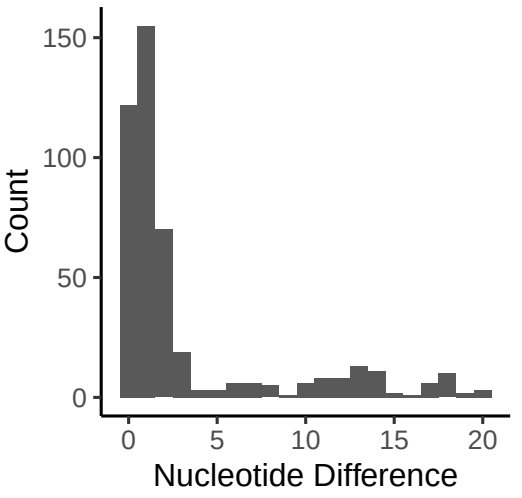
IGHV1−58*01_03

101 sequences assigned
34 (33.7%) exact matches, in which:
31 unique CDR3
6 unique J



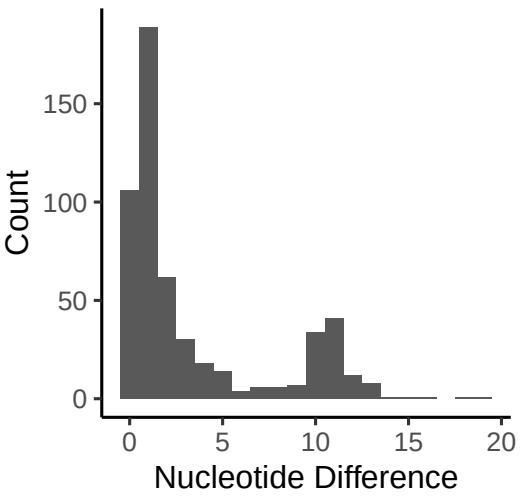
IGHV1−69*02

484 sequences assigned
122 (25.2%) exact matches, in which:
109 unique CDR3
7 unique J



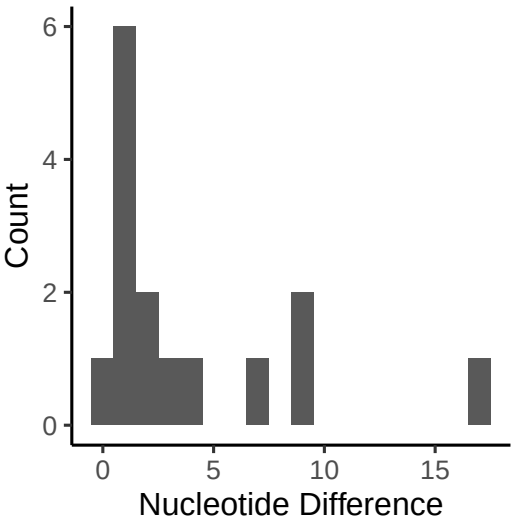
IGHV1−46*03

545 sequences assigned
106 (19.4%) exact matches, in which:
77 unique CDR3
6 unique J



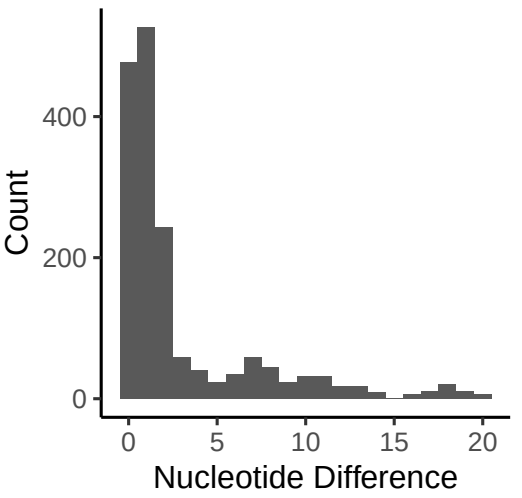
IGHV1−68*01

15 sequences assigned
1 (6.7%) exact matches, in which:
1 unique CDR3
1 unique J



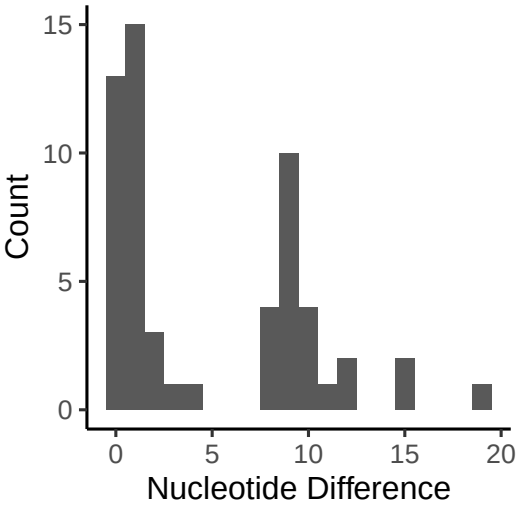
IGHV1−69*01_12_13

1738 sequences assigned
477 (27.4%) exact matches, in which:
425 unique CDR3
7 unique J



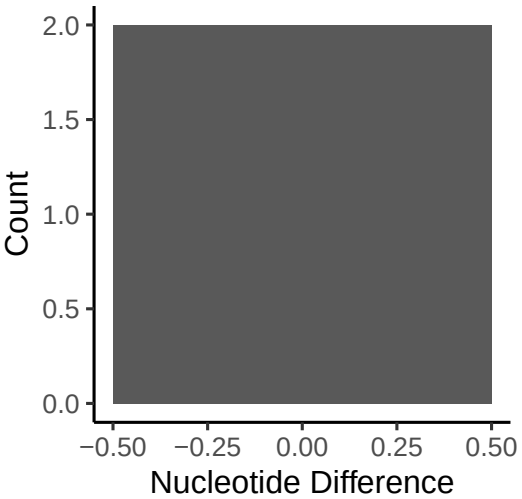
IGHV1−58*02

57 sequences assigned
13 (22.8%) exact matches, in which:
9 unique CDR3
5 unique J



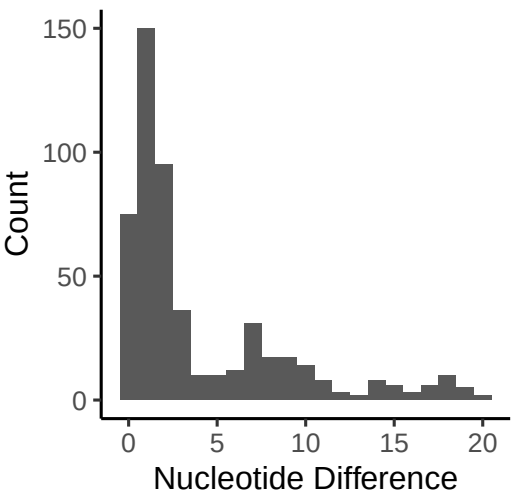
IGHV1−69−2*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
1 unique J



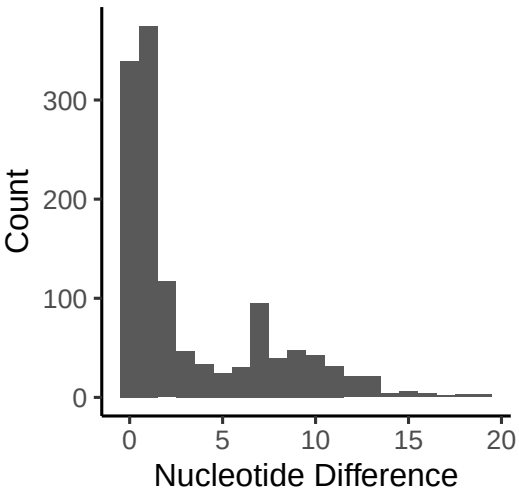
IGHV1−69*04_09

530 sequences assigned
75 (14.2%) exact matches, in which:
67 unique CDR3
7 unique J



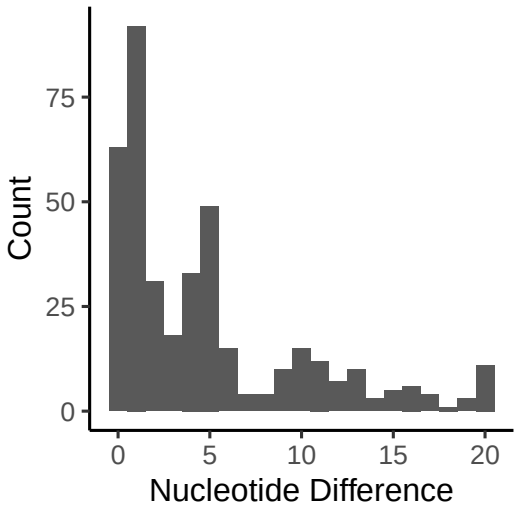
IGHV1−69*06_14

1326 sequences assigned
339 (25.6%) exact matches, in which:
309 unique CDR3
7 unique J



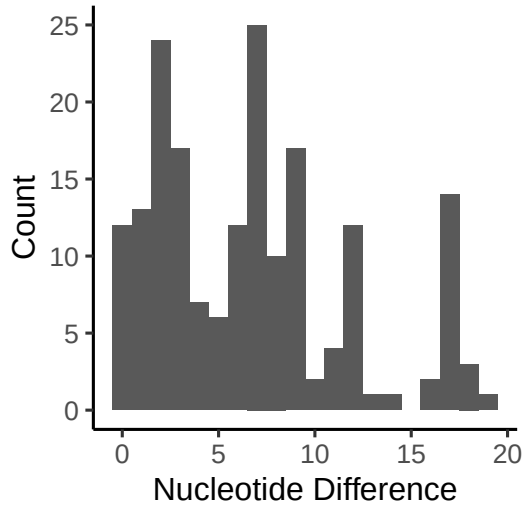
IGHV2−5*02

415 sequences assigned
63 (15.2%) exact matches, in which:
50 unique CDR3
6 unique J



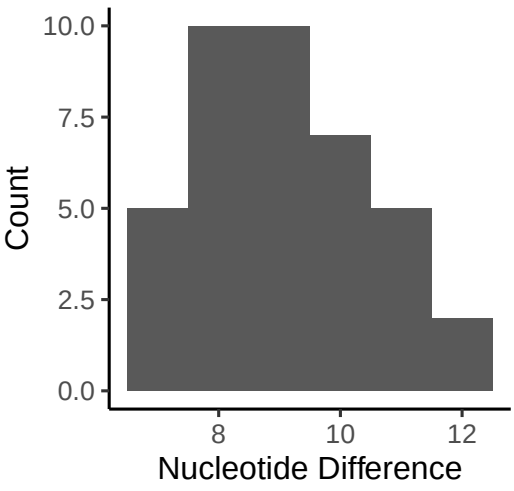
IGHV2−70*04

184 sequences assigned
12 (6.5%) exact matches, in which:
10 unique CDR3
4 unique J



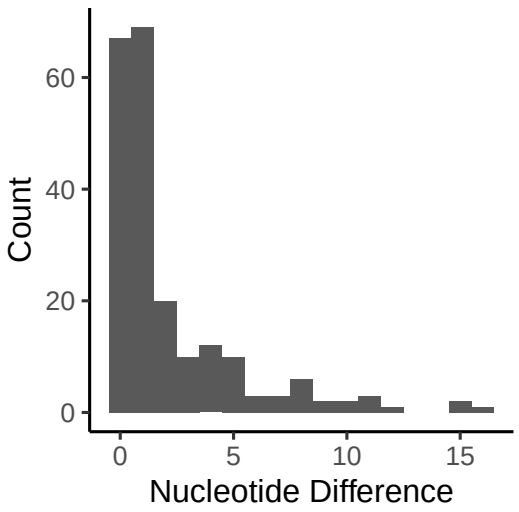
IGHV1−NL1*01

39 sequences assigned
No exact matches.



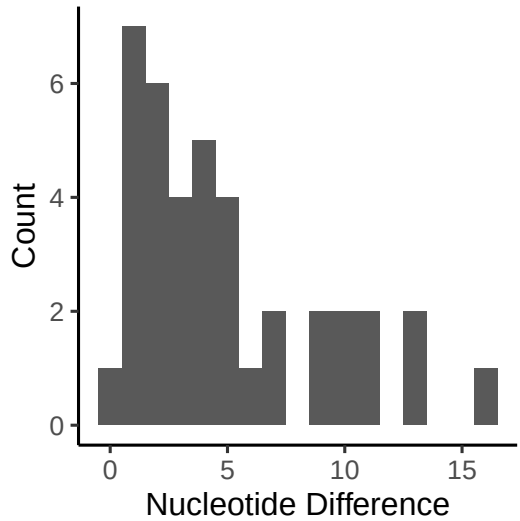
IGHV2−26*01

211 sequences assigned
67 (31.8%) exact matches, in which:
49 unique CDR3
5 unique J



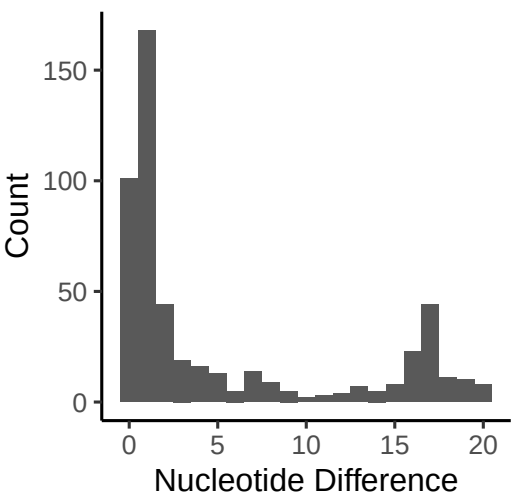
IGHV2−70*12

39 sequences assigned
1 (2.6%) exact matches, in which:
1 unique CDR3
1 unique J



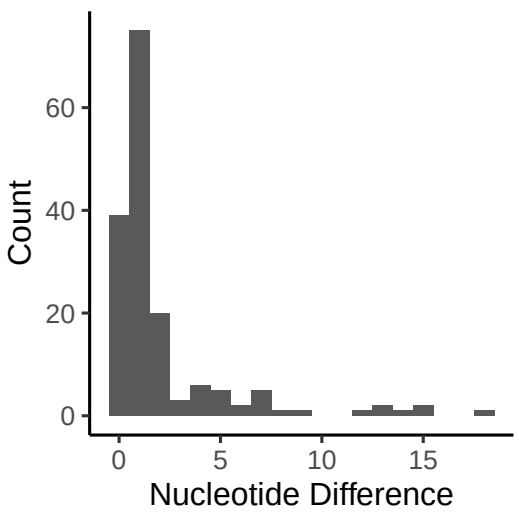
IGHV2−5*01

554 sequences assigned
101 (18.2%) exact matches, in which:
81 unique CDR3
7 unique J



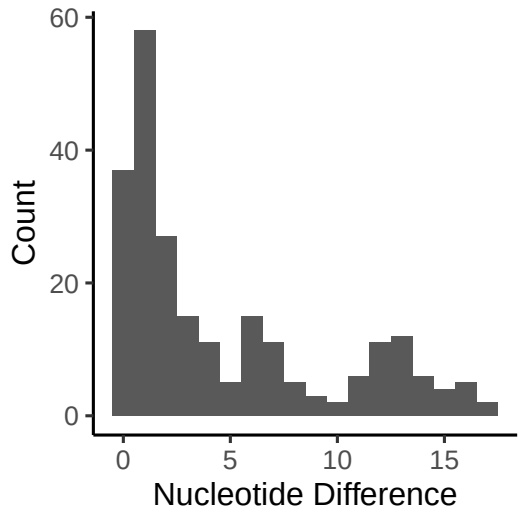
IGHV2−70*01

167 sequences assigned
39 (23.4%) exact matches, in which:
26 unique CDR3
5 unique J



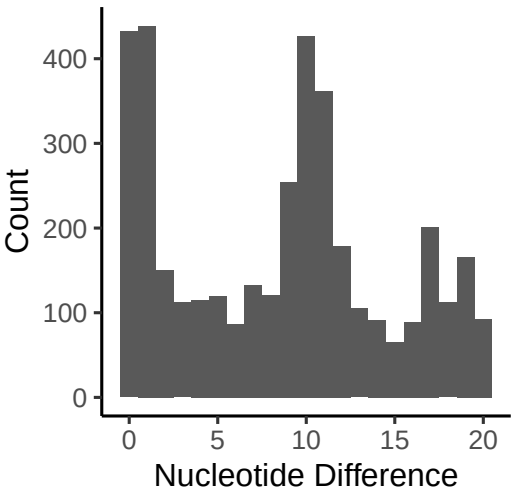
IGHV2−70*11_15

237 sequences assigned
37 (15.6%) exact matches, in which:
28 unique CDR3
4 unique J



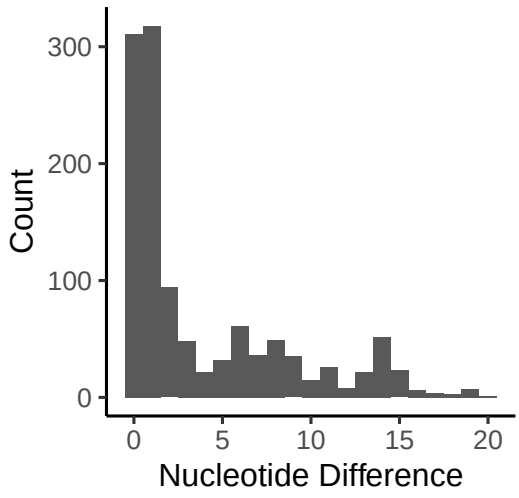
IGHV3−7*01

4678 sequences assigned
432 (9.2%) exact matches, in which:
311 unique CDR3
7 unique J



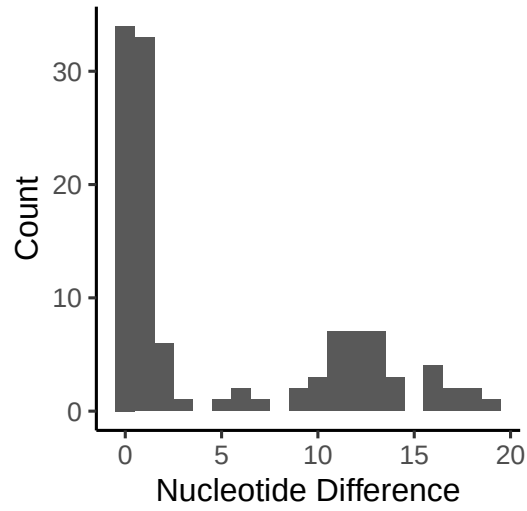
IGHV3−11*01

1343 sequences assigned
311 (23.2%) exact matches, in which:
208 unique CDR3
7 unique J



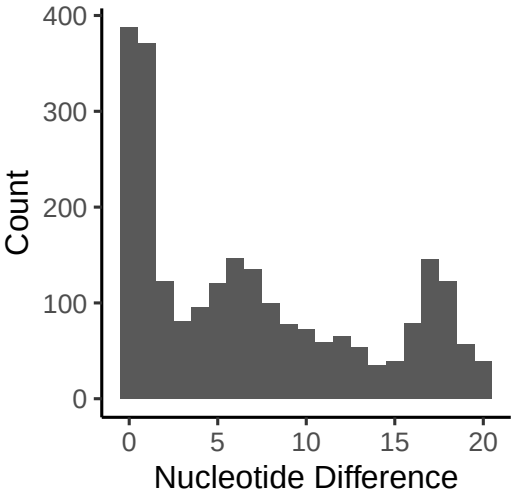
IGHV3−13*01

126 sequences assigned
34 (27%) exact matches, in which:
25 unique CDR3
4 unique J



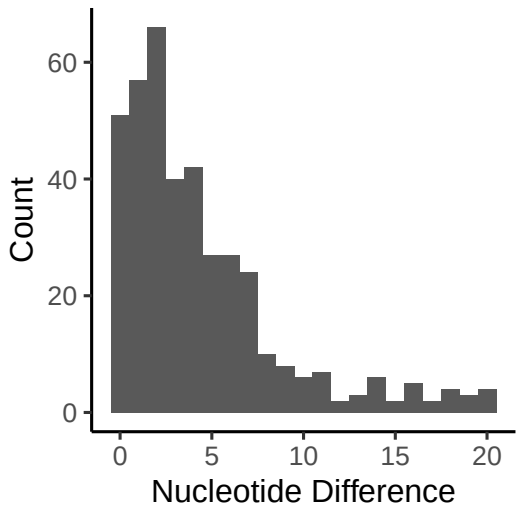
IGHV3−7*03

3167 sequences assigned
388 (12.3%) exact matches, in which:
281 unique CDR3
7 unique J



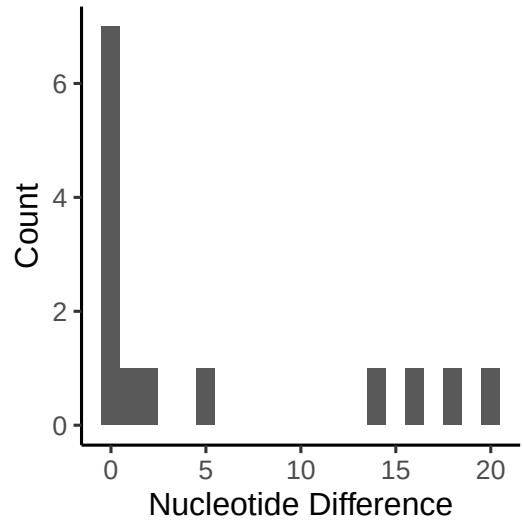
IGHV3−11*04

399 sequences assigned
51 (12.8%) exact matches, in which:
47 unique CDR3
7 unique J



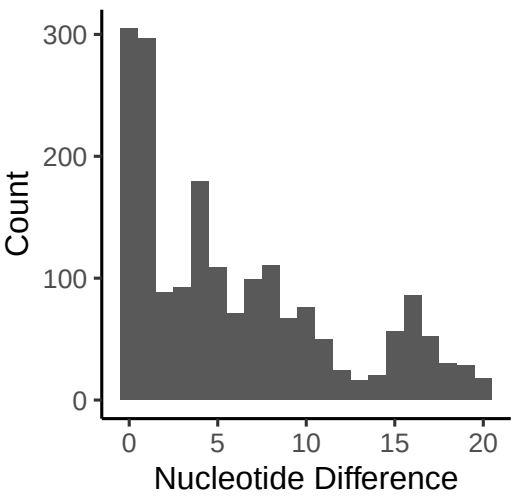
IGHV3−13*05

17 sequences assigned
7 (41.2%) exact matches, in which:
4 unique CDR3
3 unique J



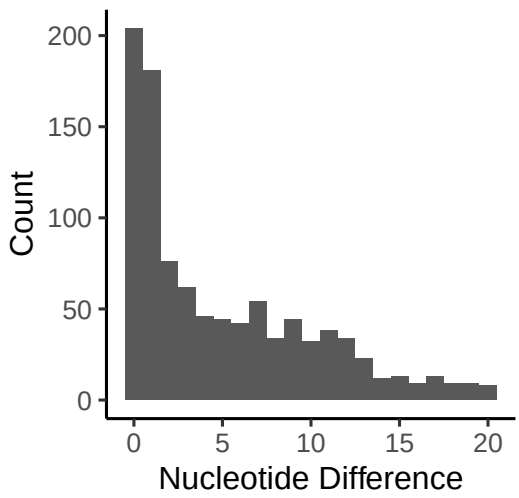
IGHV3−9*01

2326 sequences assigned
305 (13.1%) exact matches, in which:
201 unique CDR3
6 unique J



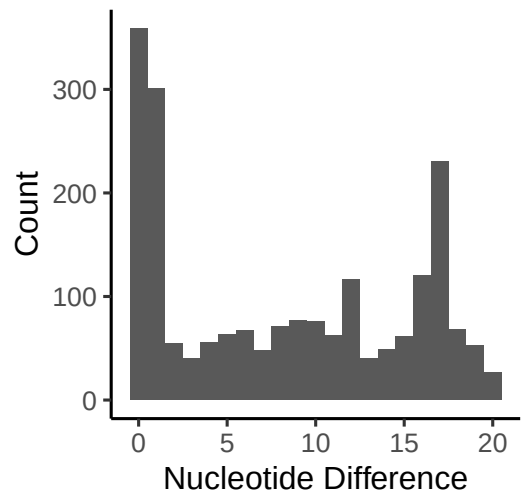
IGHV3−11*06

1046 sequences assigned
204 (19.5%) exact matches, in which:
147 unique CDR3
7 unique J



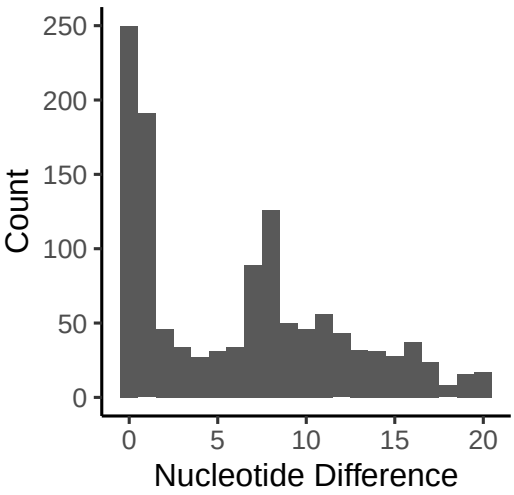
IGHV3−15*07

2331 sequences assigned
359 (15.4%) exact matches, in which:
238 unique CDR3
6 unique J



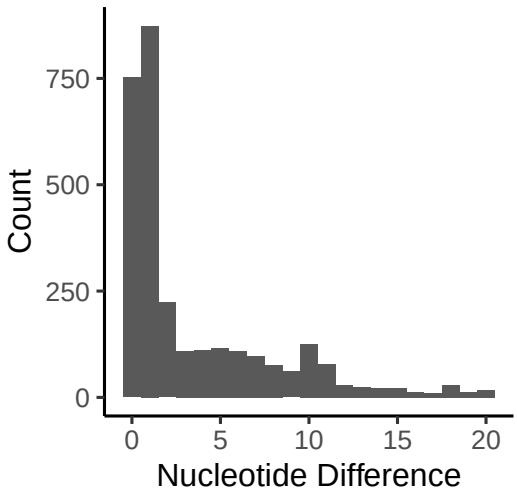
IGHV3−15*01_02

1367 sequences assigned
250 (18.3%) exact matches, in which:
165 unique CDR3
7 unique J



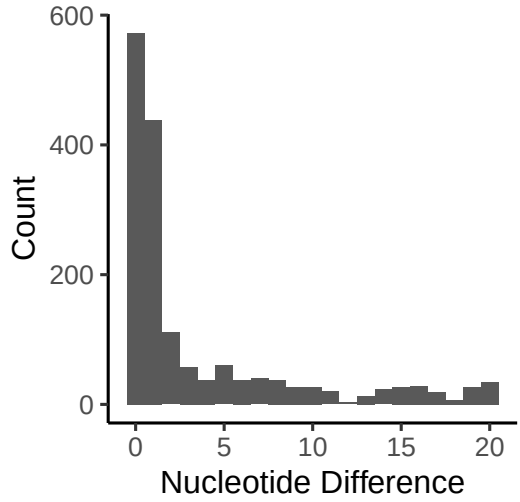
IGHV3−21*01_02

3039 sequences assigned
752 (24.7%) exact matches, in which:
464 unique CDR3
7 unique J



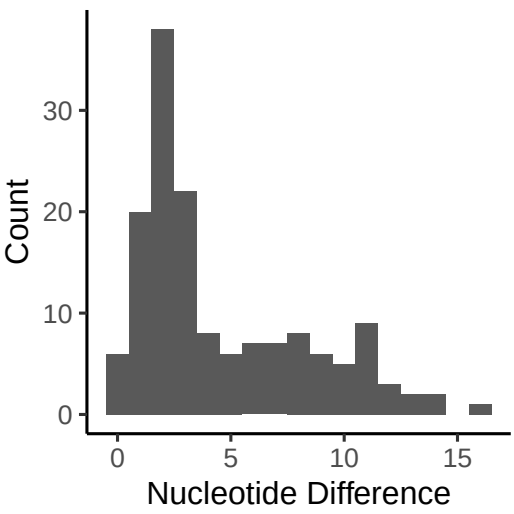
IGHV3−30*01

2498 sequences assigned
573 (22.9%) exact matches, in which:
397 unique CDR3
7 unique J



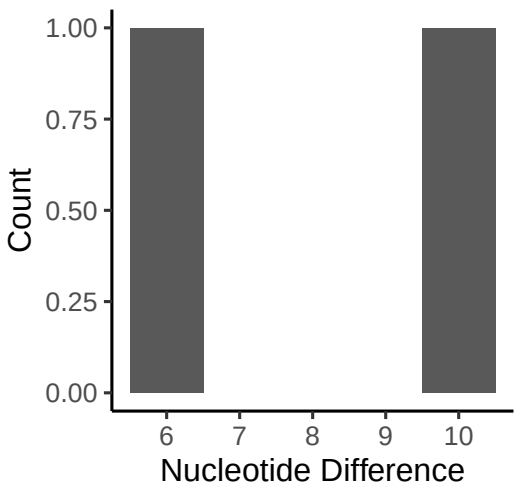
IGHV3−20*03_04

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



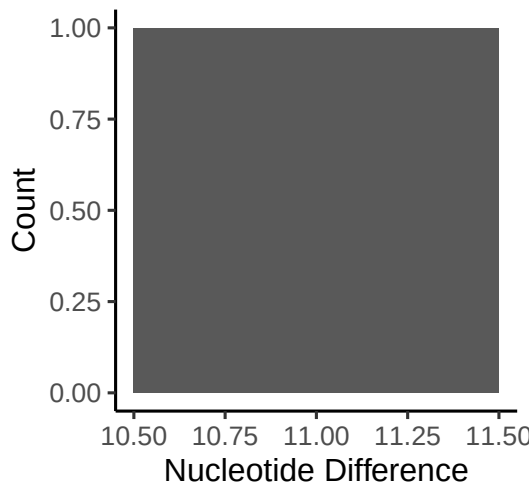
IGHV3−22*01_02

2 sequences assigned
No exact matches.



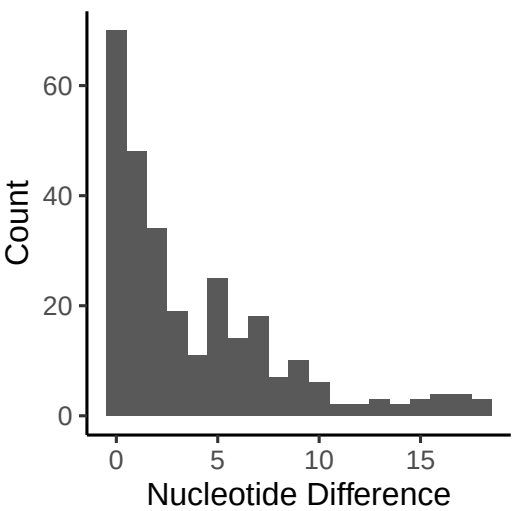
IGHV3−30−3*01

1 sequences assigned
No exact matches.



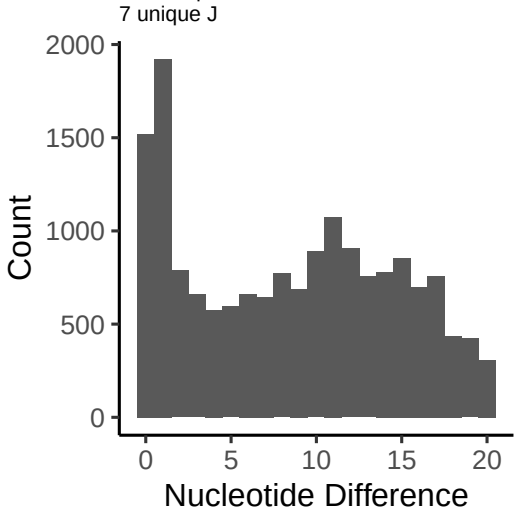
IGHV3−21*04

302 sequences assigned
70 (23.2%) exact matches, in which:
59 unique CDR3
5 unique J



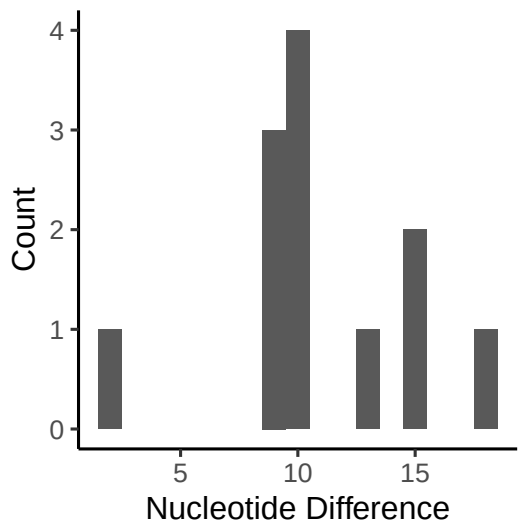
IGHV3−23*01_04

18814 sequences assigned
1521 (8.1%) exact matches, in which:
968 unique CDR3
7 unique J



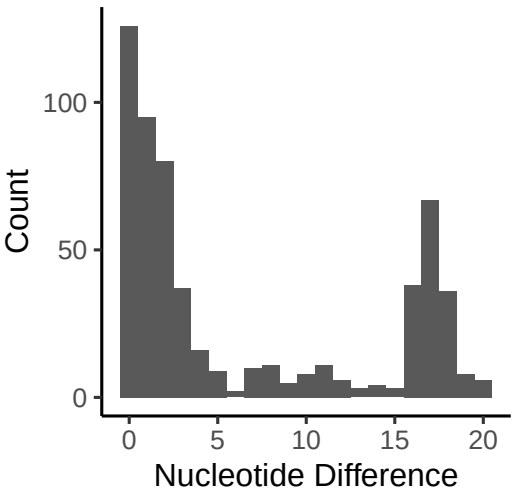
IGHV3−30−3*02

14 sequences assigned
No exact matches.



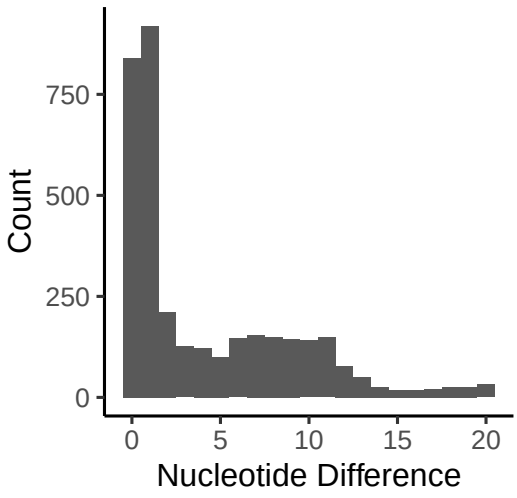
IGHV3−30*03

597 sequences assigned
126 (21.1%) exact matches, in which:
118 unique CDR3
7 unique J



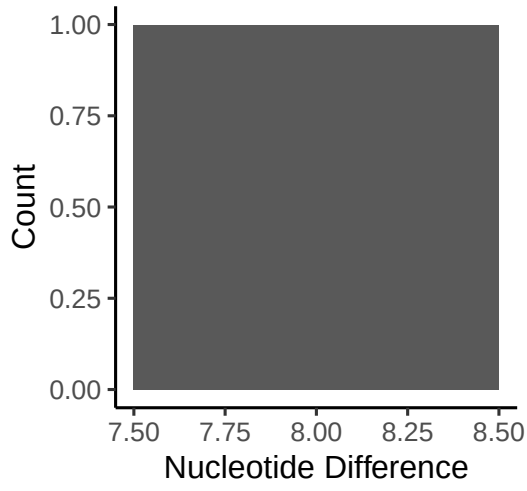
IGHV3−33*01

3920 sequences assigned
839 (21.4%) exact matches, in which:
568 unique CDR3
7 unique J



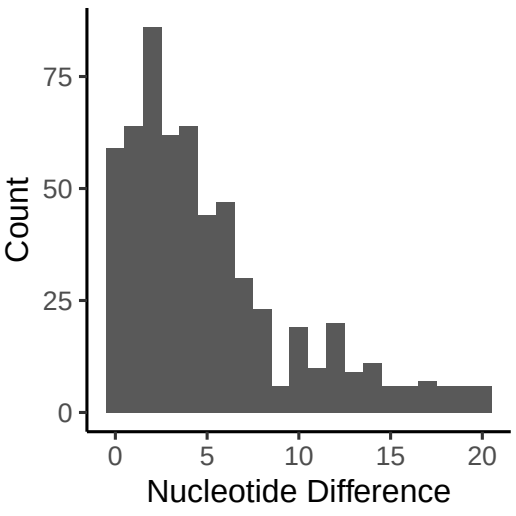
IGHV3−38*03

1 sequences assigned
No exact matches.



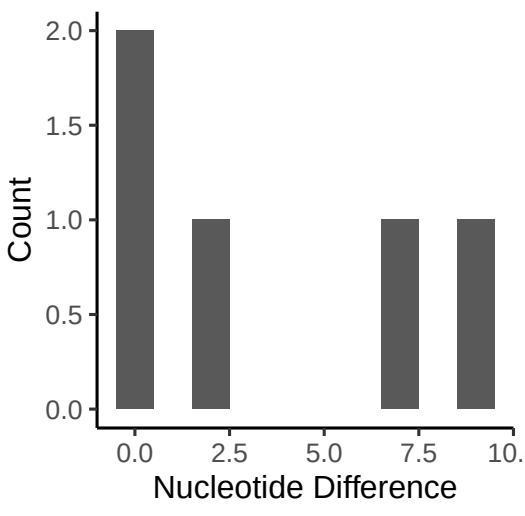
IGHV3−30*07

607 sequences assigned
59 (9.7%) exact matches, in which:
56 unique CDR3
7 unique J



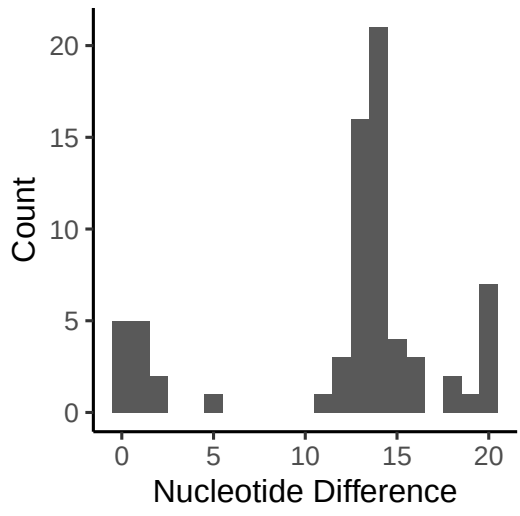
IGHV3−35*01

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



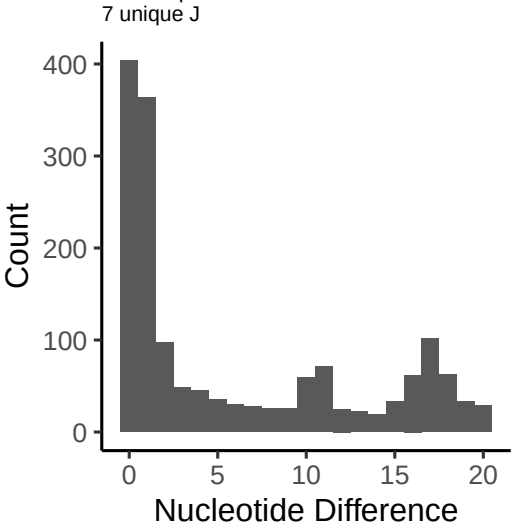
IGHV3−43*01

85 sequences assigned
5 (5.9%) exact matches, in which:
4 unique CDR3
3 unique J



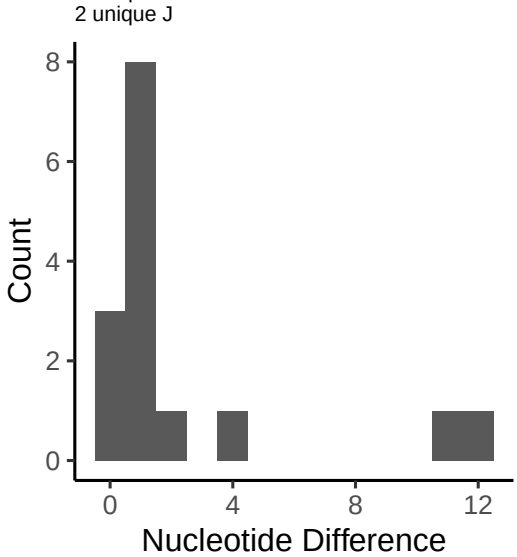
IGHV3−30*18

1733 sequences assigned
404 (23.3%) exact matches, in which:
246 unique CDR3
7 unique J



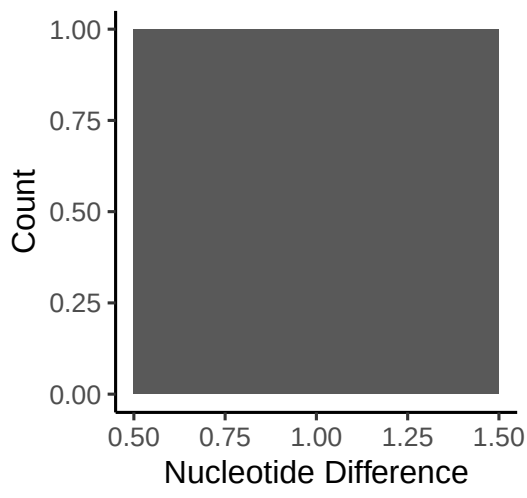
IGHV3−38−3*01

15 sequences assigned
3 (20%) exact matches, in which:
3 unique CDR3
2 unique J



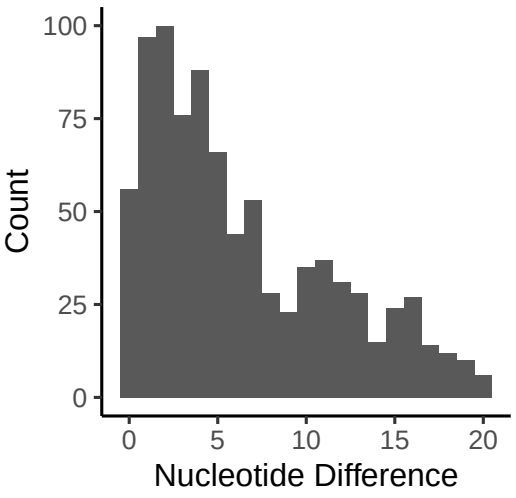
IGHV3−47*01

1 sequences assigned
No exact matches.



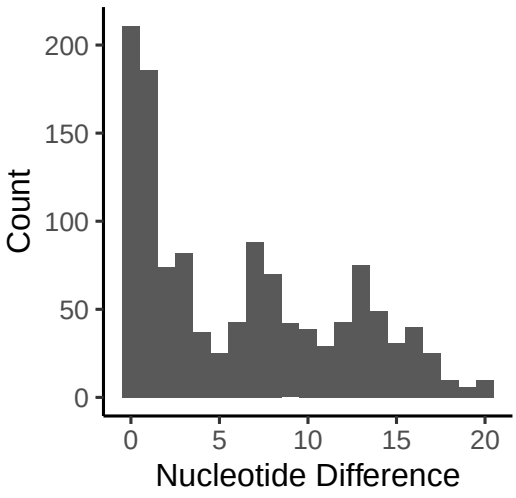
IGHV3−48*01

886 sequences assigned
56 (6.3%) exact matches, in which:
53 unique CDR3
6 unique J



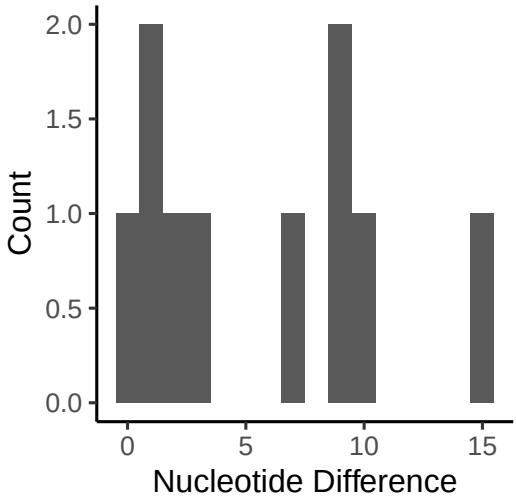
IGHV3−49*04

1240 sequences assigned
211 (17%) exact matches, in which:
138 unique CDR3
7 unique J



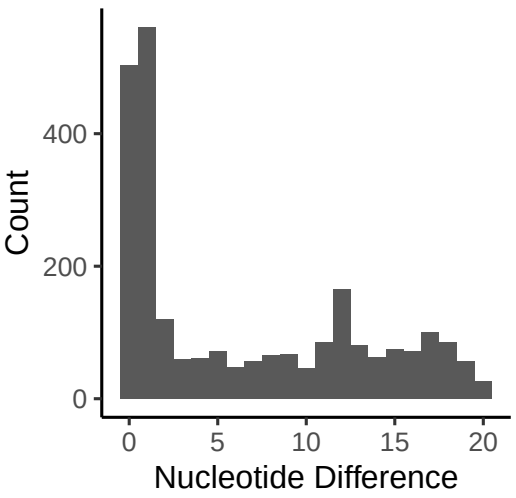
IGHV3−53*05

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



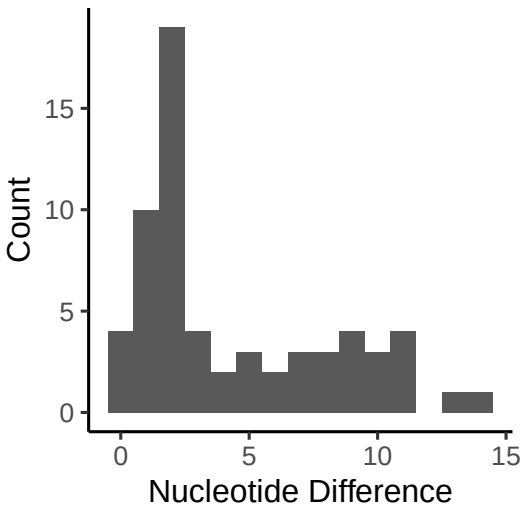
IGHV3−48*02

2519 sequences assigned
504 (20%) exact matches, in which:
307 unique CDR3
7 unique J



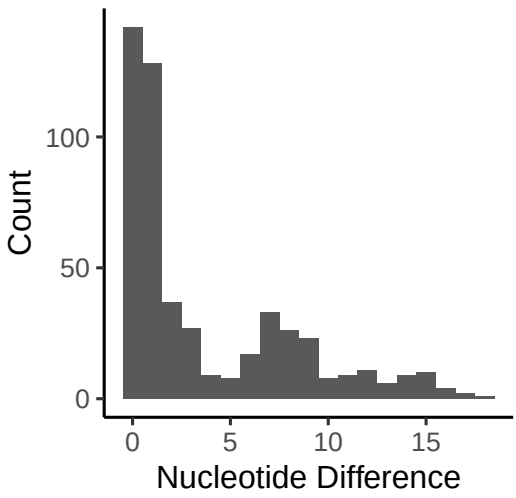
IGHV3−52*01_03

63 sequences assigned
4 (6.3%) exact matches, in which:
4 unique CDR3
3 unique J



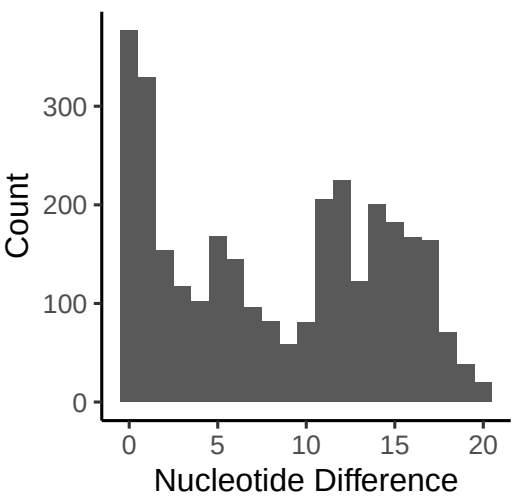
IGHV3−53*01_02

521 sequences assigned
142 (27.3%) exact matches, in which:
103 unique CDR3
6 unique J



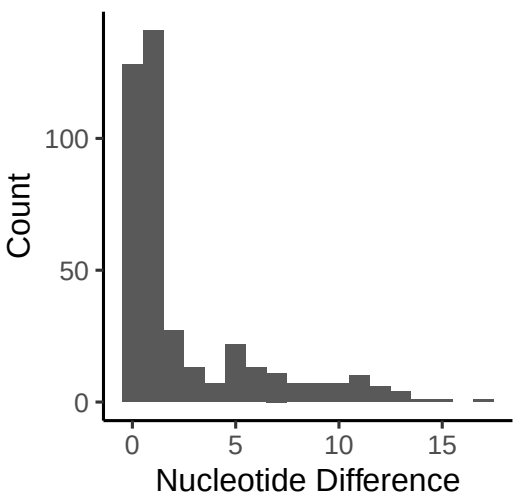
IGHV3−48*03

3510 sequences assigned
377 (10.7%) exact matches, in which:
248 unique CDR3
7 unique J



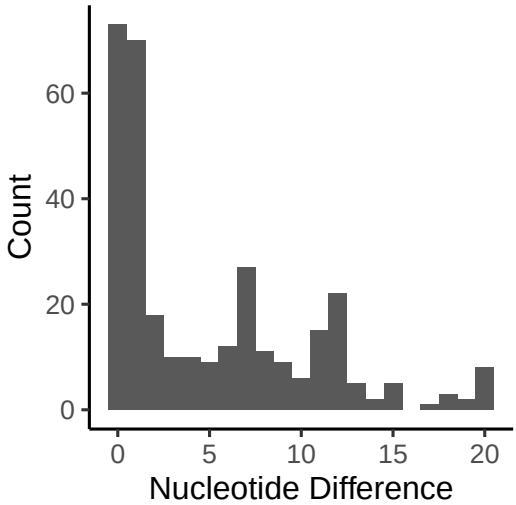
IGHV3−53*04

407 sequences assigned
128 (31.4%) exact matches, in which:
93 unique CDR3
5 unique J



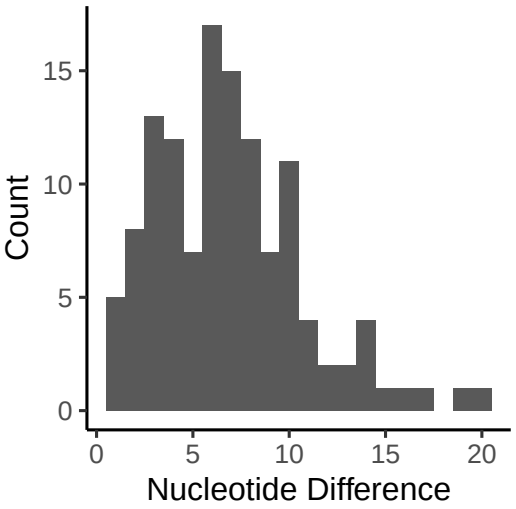
IGHV3−64*01

364 sequences assigned
73 (20.1%) exact matches, in which:
50 unique CDR3
4 unique J



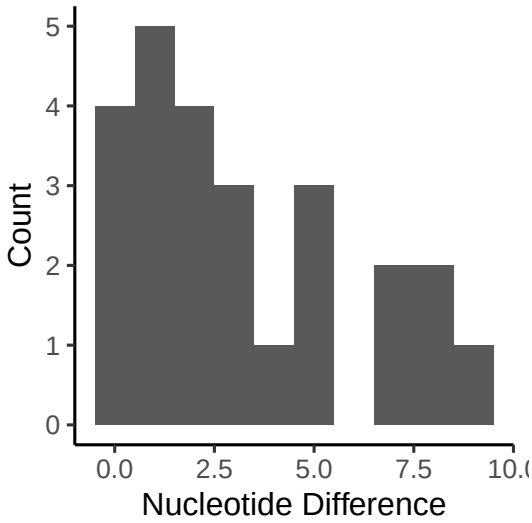
IGHV3−64*04

127 sequences assigned
No exact matches.



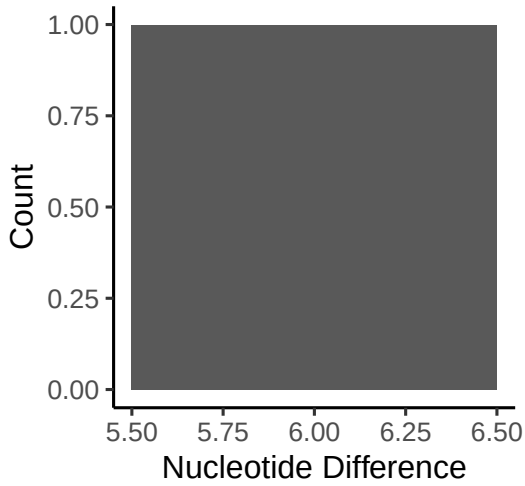
IGHV3−66*03

25 sequences assigned
4 (16%) exact matches, in which:
4 unique CDR3
2 unique J



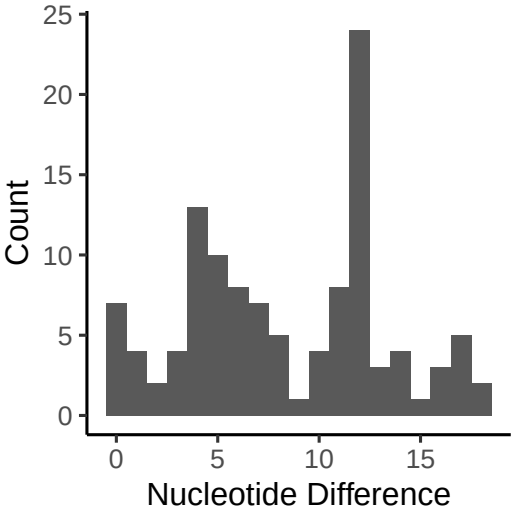
IGHV3−71*03

1 sequences assigned
No exact matches.



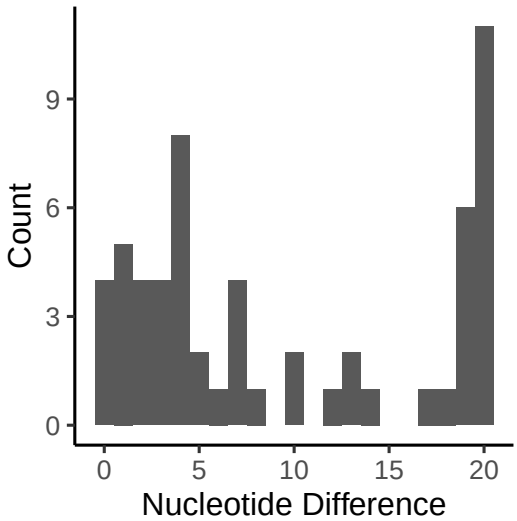
IGHV3−64*02_07

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



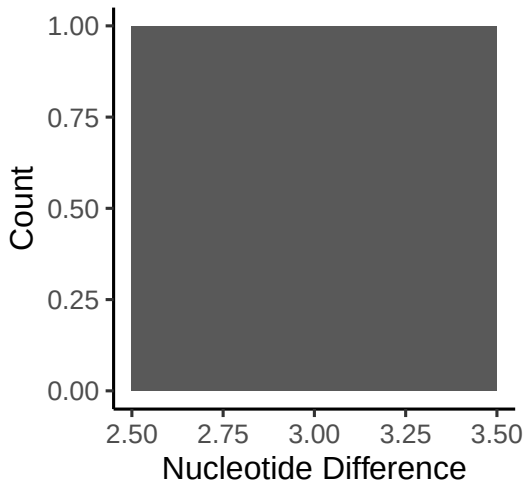
IGHV3−69−1*01

69 sequences assigned
4 (5.8%) exact matches, in which:
4 unique CDR3
3 unique J



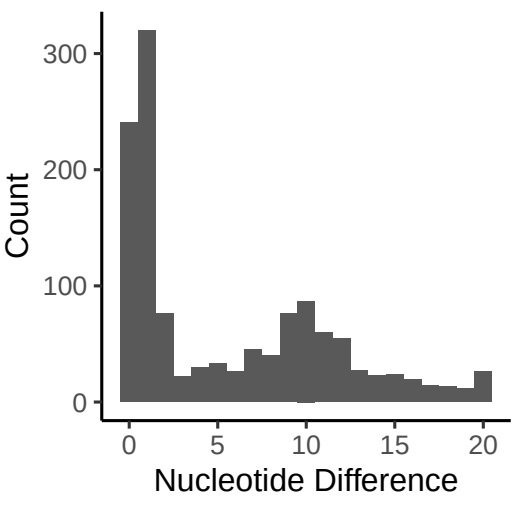
IGHV3−71*01_04

2 sequences assigned
No exact matches.



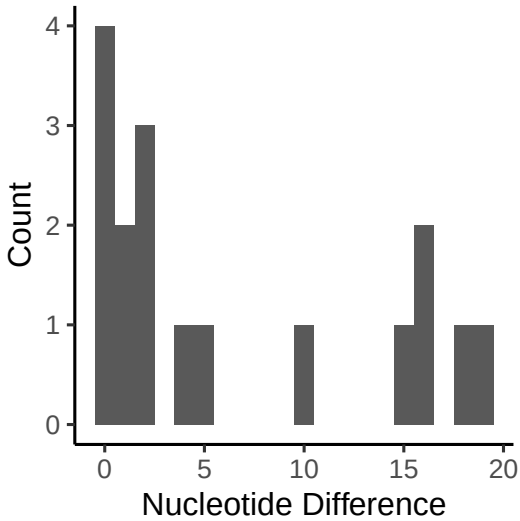
IGHV3−66*01

1321 sequences assigned
241 (18.2%) exact matches, in which:
167 unique CDR3
7 unique J



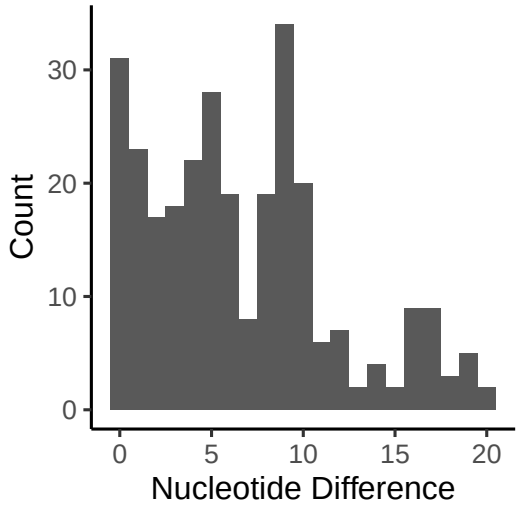
IGHV3−69−1*02

17 sequences assigned
4 (23.5%) exact matches, in which:
4 unique CDR3
2 unique J



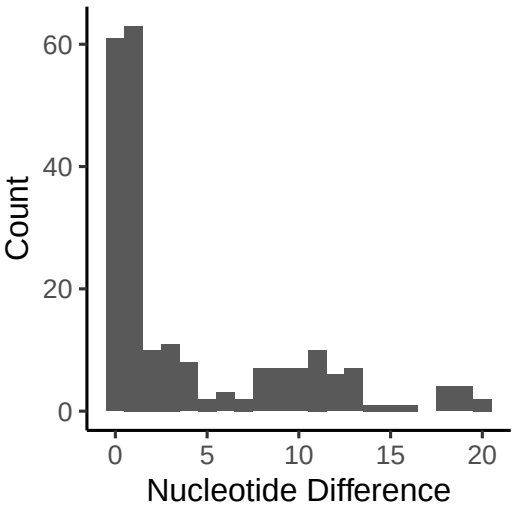
IGHV3−72*01

297 sequences assigned
31 (10.4%) exact matches, in which:
24 unique CDR3
7 unique J



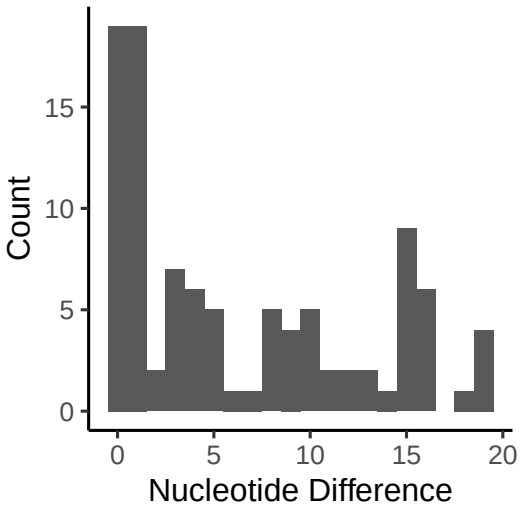
IGHV3−73*01_02

232 sequences assigned
61 (26.3%) exact matches, in which:
40 unique CDR3
6 unique J



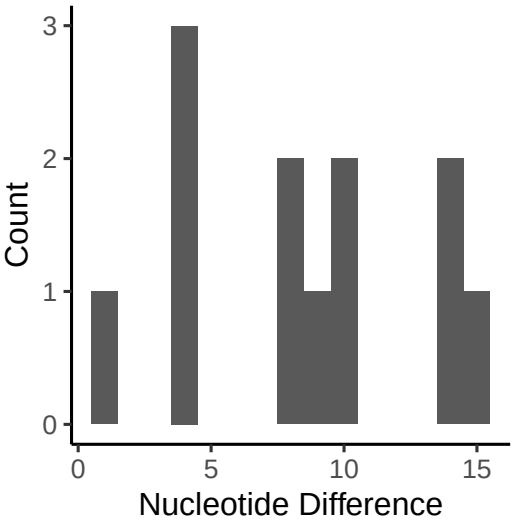
IGHV3−43D*03

109 sequences assigned
19 (17.4%) exact matches, in which:
11 unique CDR3
4 unique J



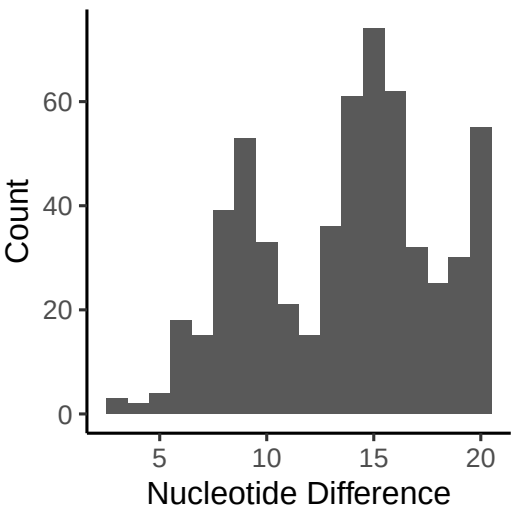
IGHV3−NL1*01

14 sequences assigned
No exact matches.



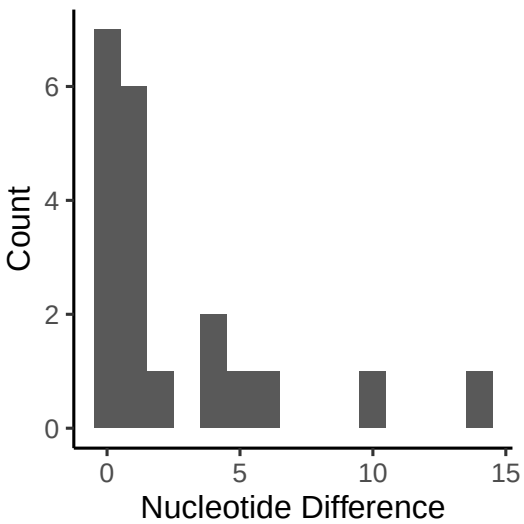
IGHV3−74*03

793 sequences assigned
No exact matches.



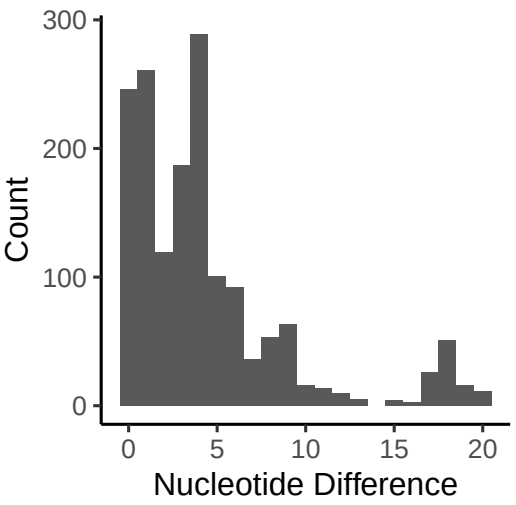
IGHV3−43D*04

20 sequences assigned
7 (35%) exact matches, in which:
5 unique CDR3
3 unique J



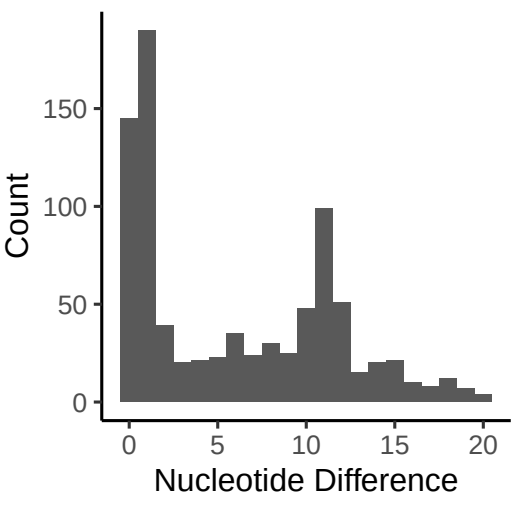
IGHV4−4*07

1639 sequences assigned
246 (15%) exact matches, in which:
214 unique CDR3
7 unique J



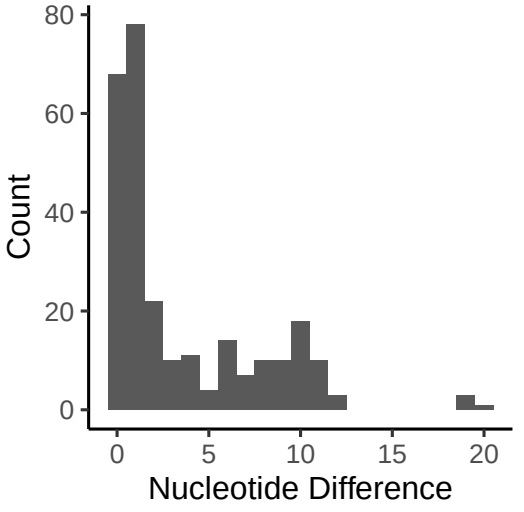
IGHV3−74*01_02

898 sequences assigned
145 (16.1%) exact matches, in which:
83 unique CDR3
6 unique J



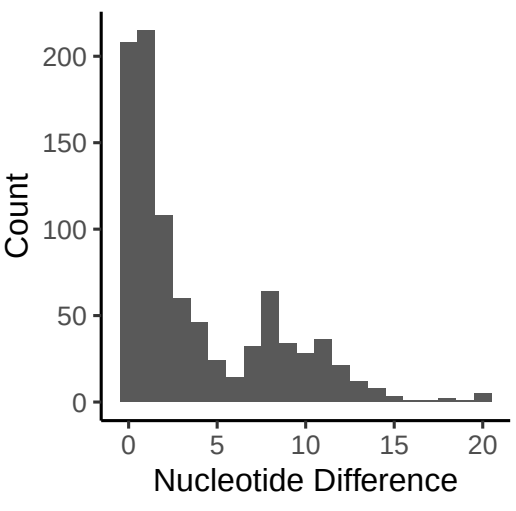
IGHV3−64D*06

287 sequences assigned
68 (23.7%) exact matches, in which:
38 unique CDR3
5 unique J



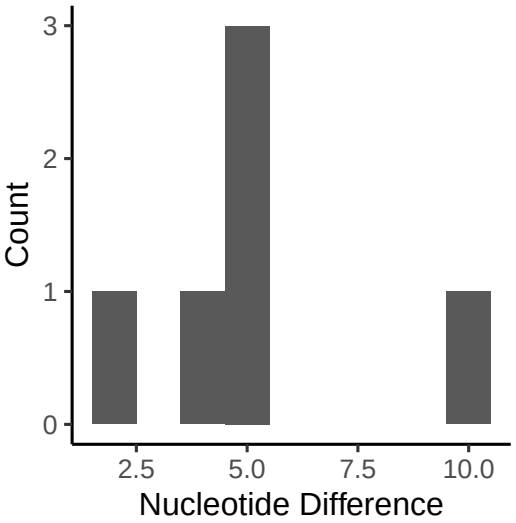
IGHV4−4*02_03

965 sequences assigned
208 (21.6%) exact matches, in which:
166 unique CDR3
7 unique J



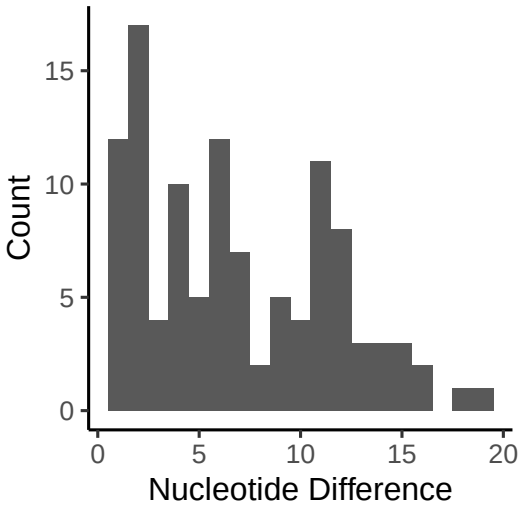
IGHV4−28*03

6 sequences assigned
No exact matches.



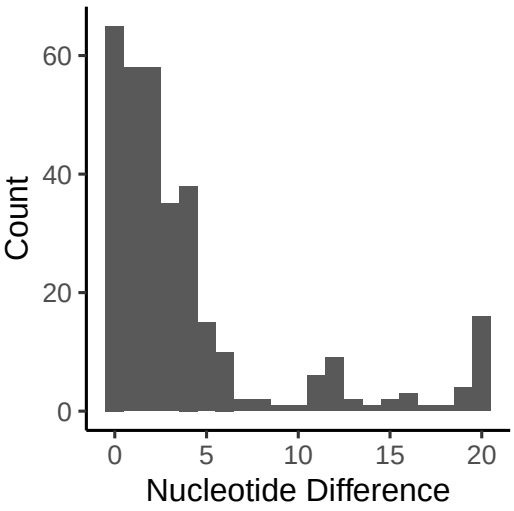
IGHV4−30−2*03

154 sequences assigned
No exact matches.



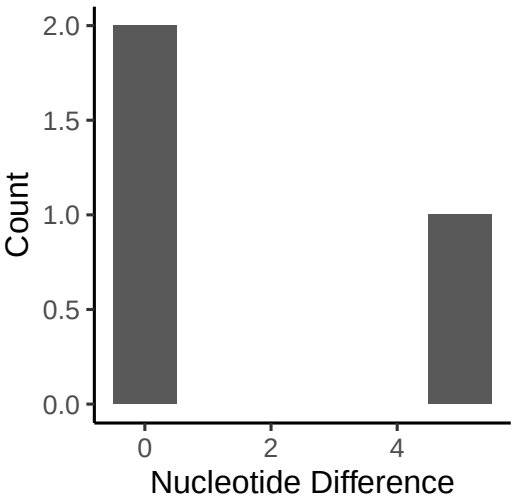
IGHV4−31*01

338 sequences assigned
65 (19.2%) exact matches, in which:
54 unique CDR3
5 unique J



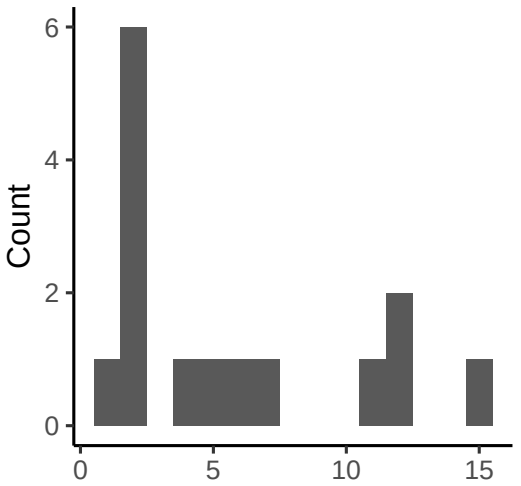
IGHV4−28*02_05

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



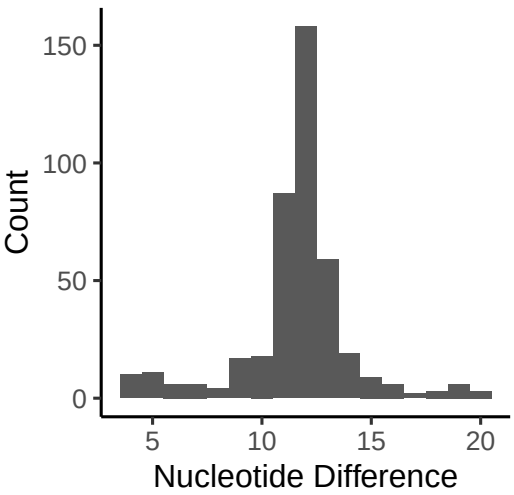
IGHV4−30−2*04

15 sequences assigned
No exact matches.



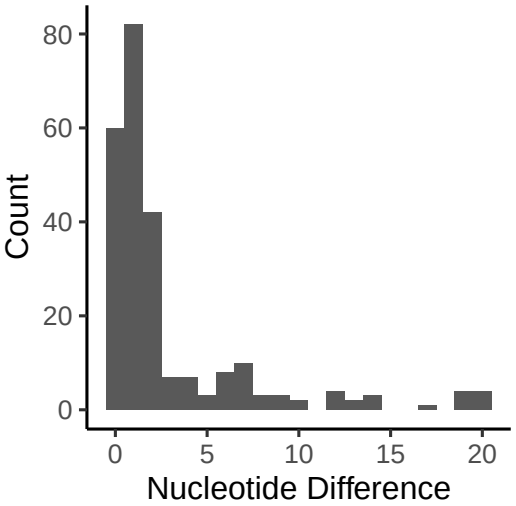
IGHV4−31*02

432 sequences assigned
No exact matches.



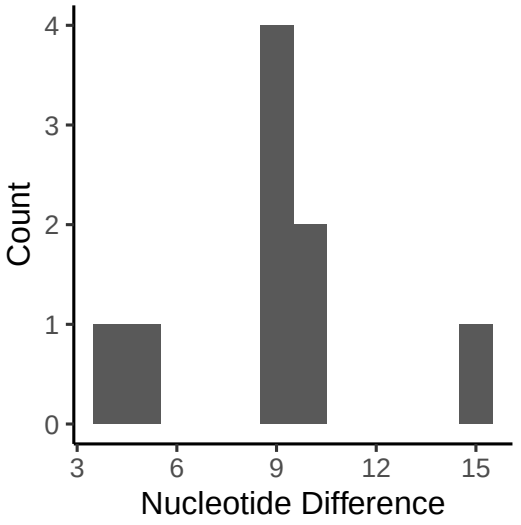
IGHV4−30−2*01

277 sequences assigned
60 (21.7%) exact matches, in which:
37 unique CDR3
6 unique J



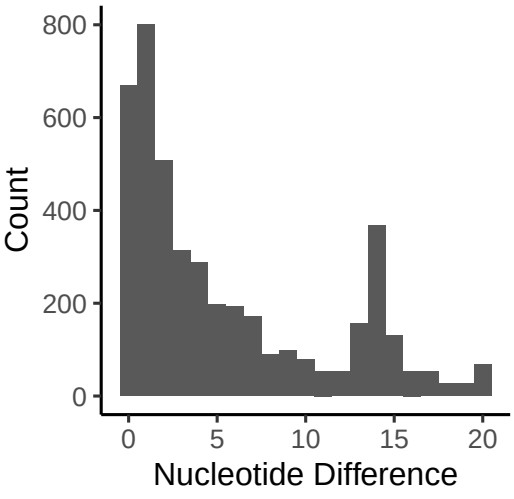
IGHV4−30−4*07

10 sequences assigned
No exact matches.



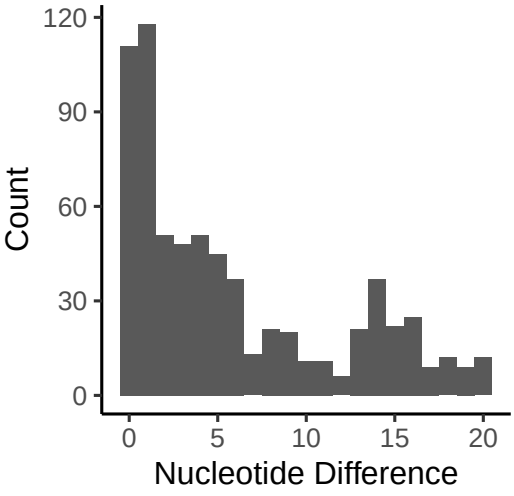
IGHV4−34*01_02

4807 sequences assigned
669 (13.9%) exact matches, in which:
494 unique CDR3
7 unique J



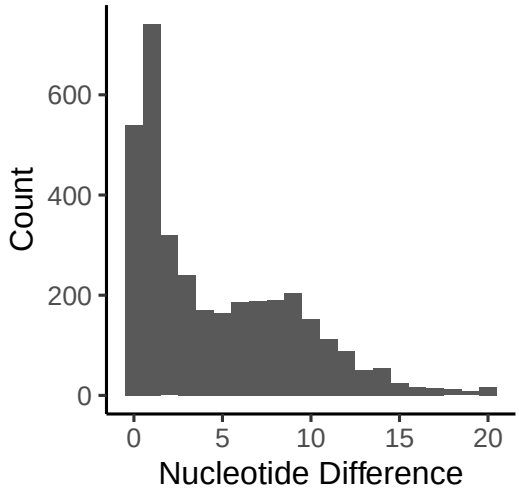
IGHV4−38−2*01

799 sequences assigned
111 (13.9%) exact matches, in which:
103 unique CDR3
7 unique J



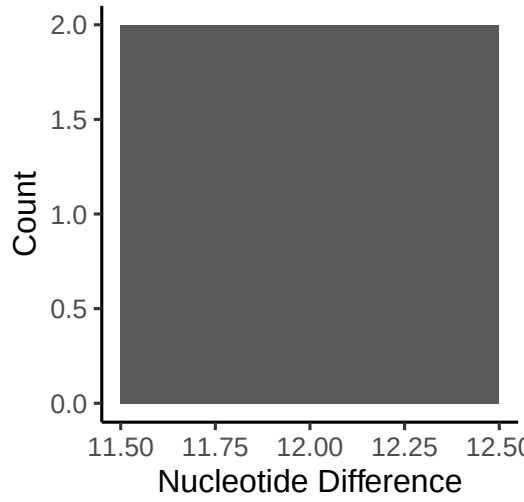
IGHV4−59*08

3715 sequences assigned
539 (14.5%) exact matches, in which:
442 unique CDR3
7 unique J



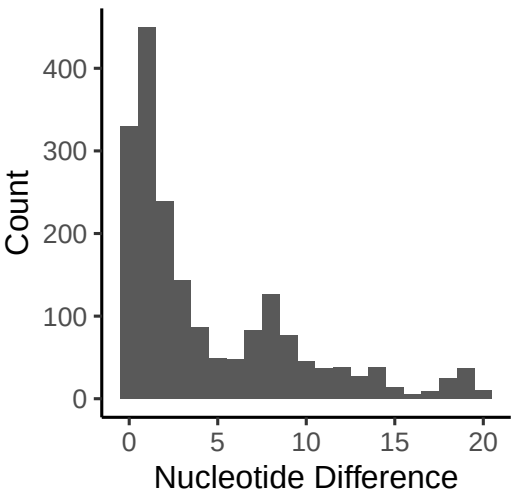
IGHV1/OR15−2*02_03

2 sequences assigned
No exact matches.



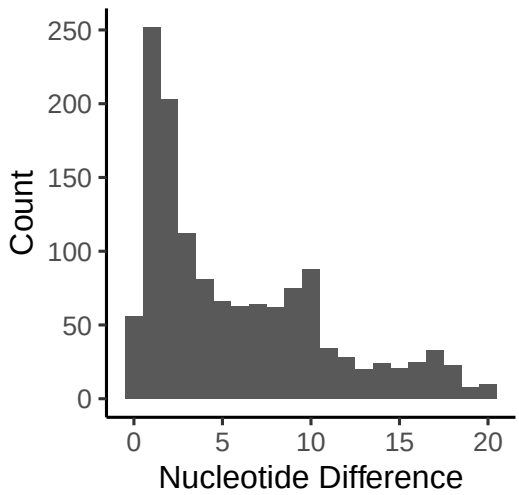
IGHV4−38−2*02

1981 sequences assigned
330 (16.7%) exact matches, in which:
268 unique CDR3
7 unique J



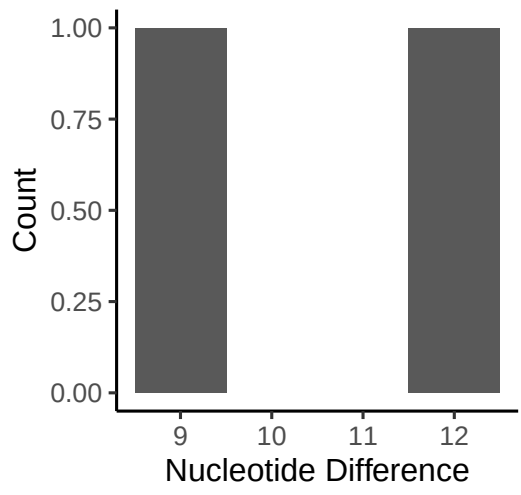
IGHV4−59*12

1546 sequences assigned
56 (3.6%) exact matches, in which:
54 unique CDR3
6 unique J



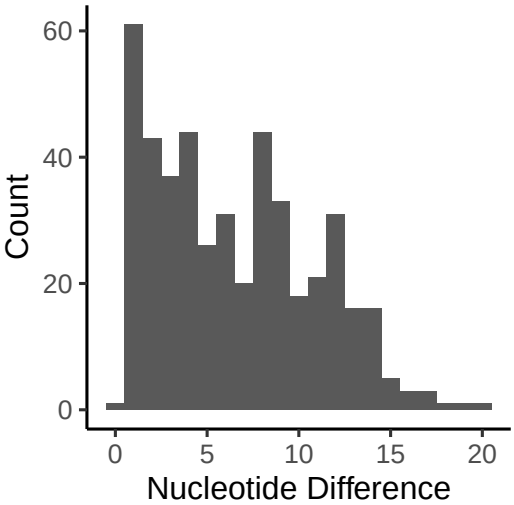
IGHV1/OR15−3*02

2 sequences assigned
No exact matches.



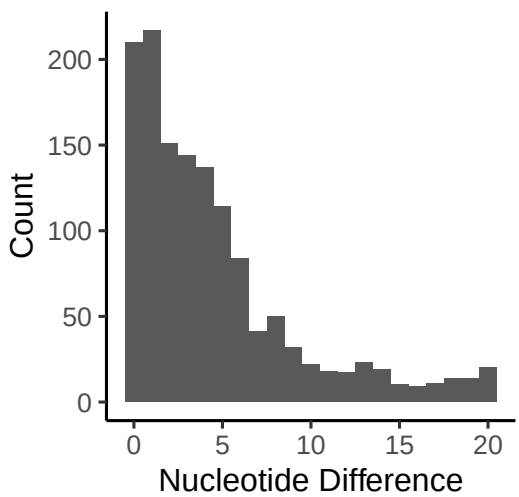
IGHV4−39*07

461 sequences assigned
1 (0.2%) exact matches, in which:
1 unique CDR3
1 unique J



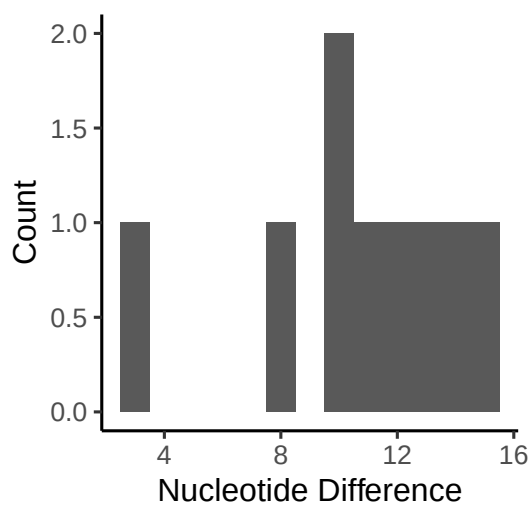
IGHV4−61*01

1401 sequences assigned
210 (15%) exact matches, in which:
177 unique CDR3
7 unique J



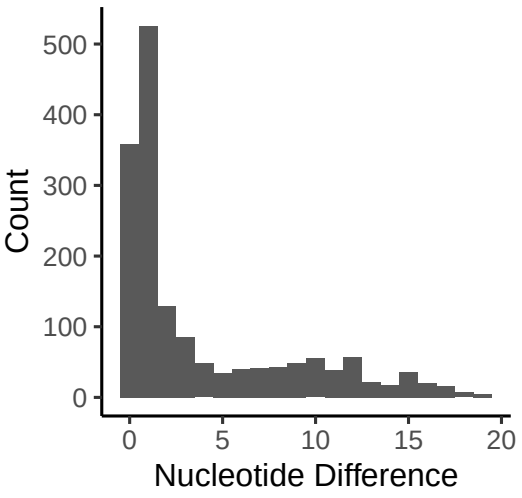
IGHV4/OR15−8*01

9 sequences assigned
No exact matches.



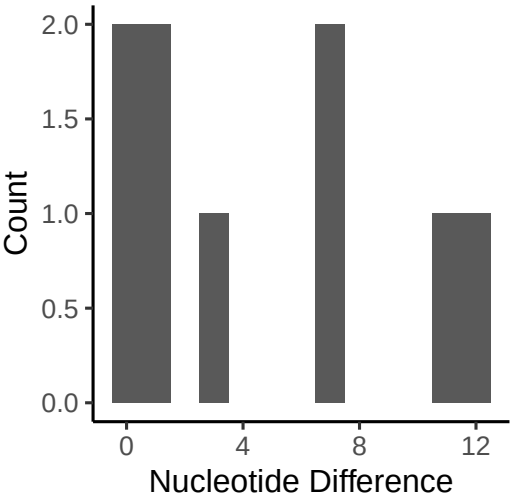
IGHV5−10−1*01_03

1686 sequences assigned
359 (21.3%) exact matches, in which:
241 unique CDR3
7 unique J



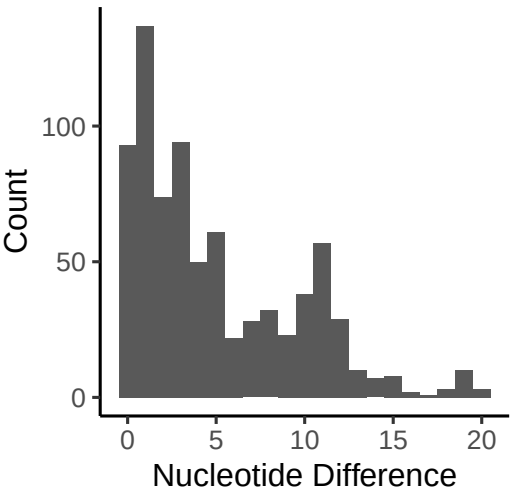
IGHV5−51*07

9 sequences assigned
2 (22.2%) exact matches, in which:
2 unique CDR3
1 unique J



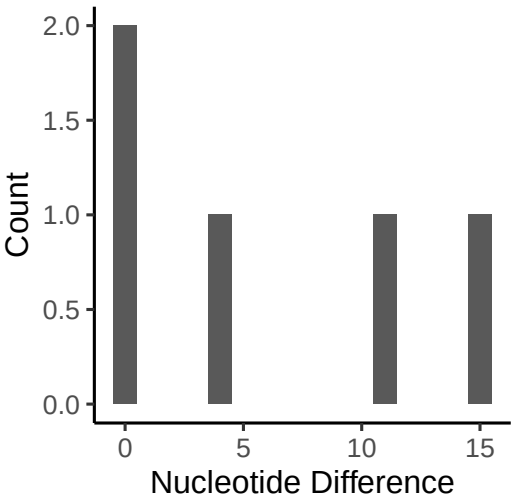
IGHV7−4−1*02

830 sequences assigned
93 (11.2%) exact matches, in which:
81 unique CDR3
5 unique J



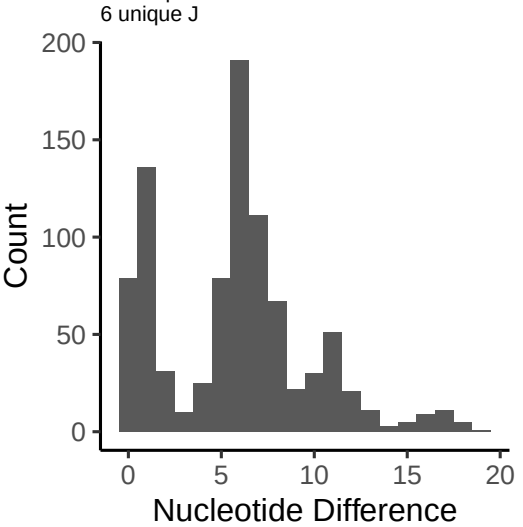
IGHV5−51*04

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



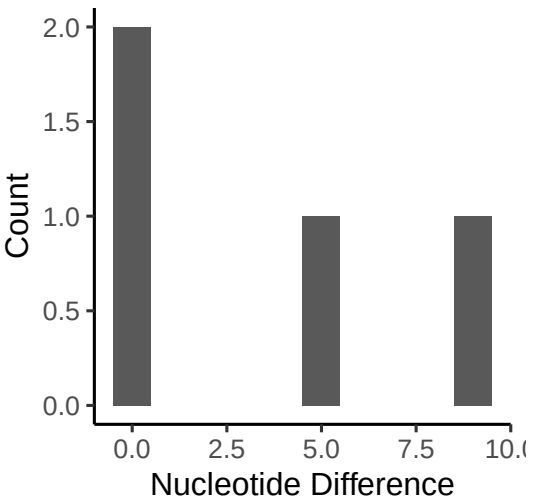
IGHV6−1*01_02

1001 sequences assigned
79 (7.9%) exact matches, in which:
65 unique CDR3
6 unique J



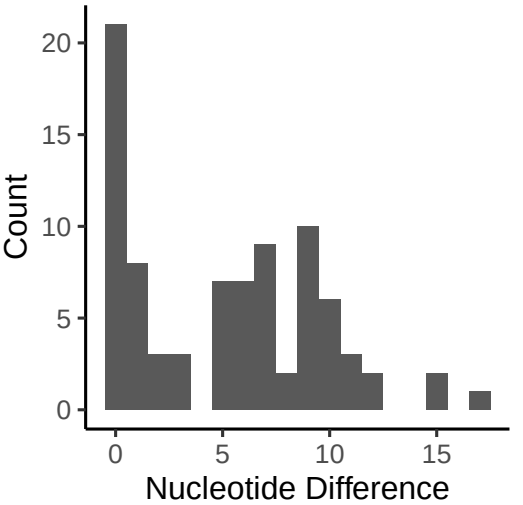
IGHV5−51*06

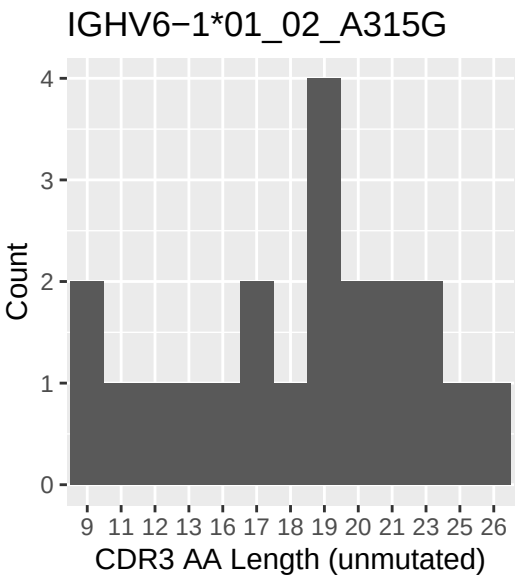
4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
2 unique J

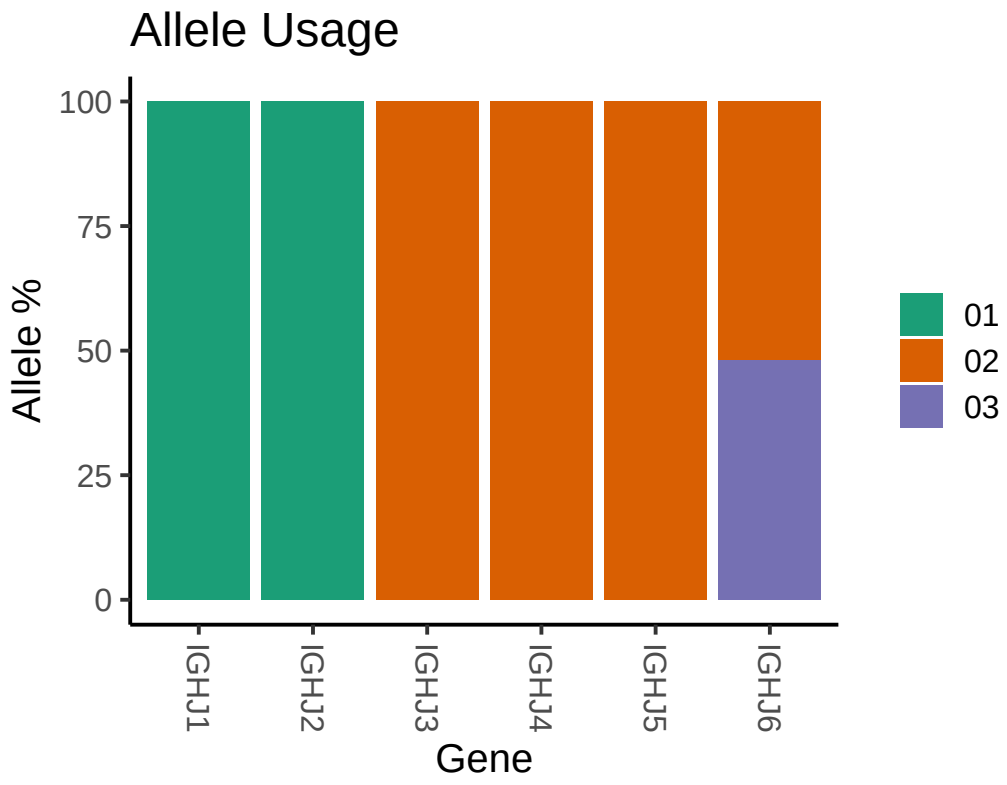
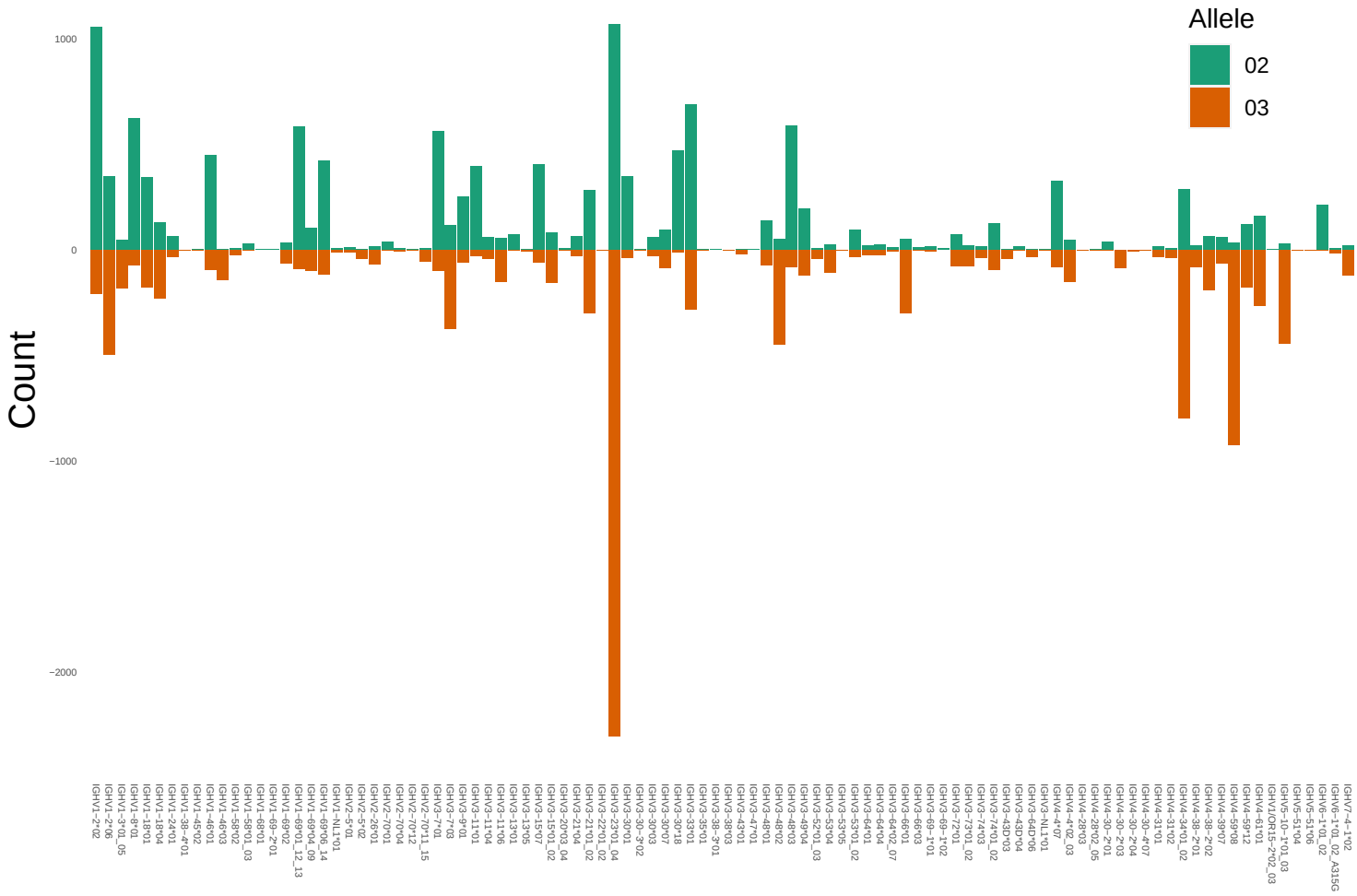


IGHV6−1*01_02_A315G

84 sequences assigned
21 (25%) exact matches, in which:
21 unique CDR3
6 unique J




IGHV6−1*01_02_A315G
Count
0
1
2
3
4
9 11 12 13 16 17 18 19 20 21 23 25 26
CDR3 AA Length (unmutated)


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

Sequence Count by IGHJ6 allele usage