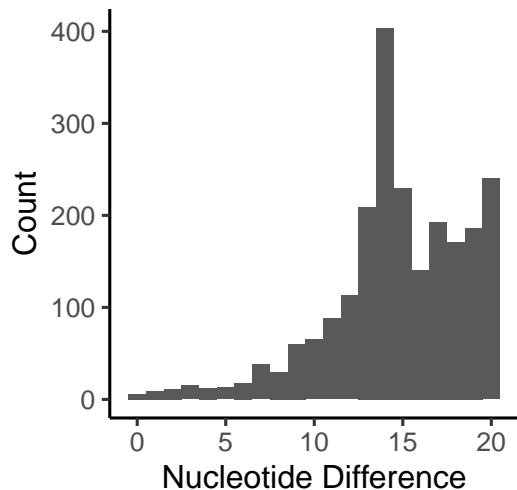


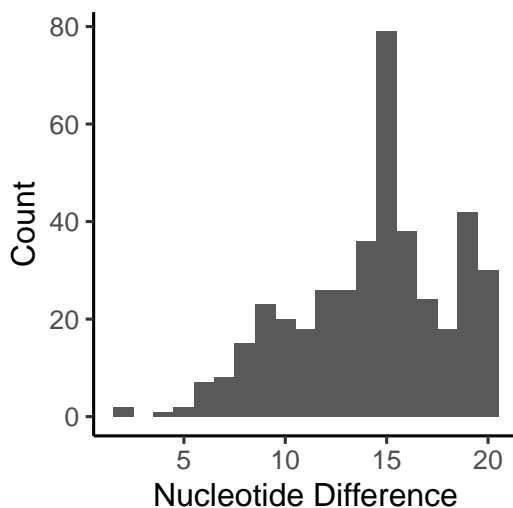
IGHV1-2*02

4227 sequences assigned
6 (0.1%) exact matches, in which:
5 unique CDR3
2 unique J



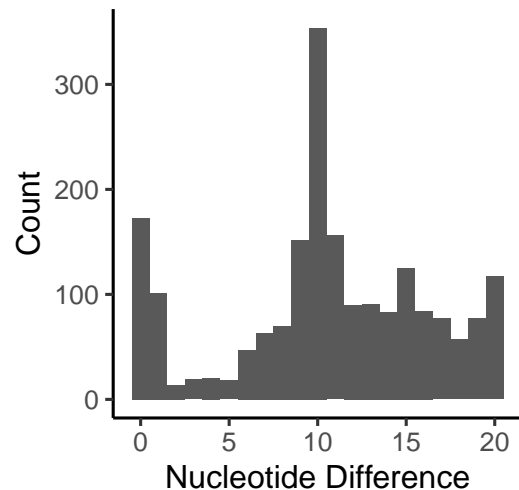
IGHV1-3*04

736 sequences assigned
No exact matches.



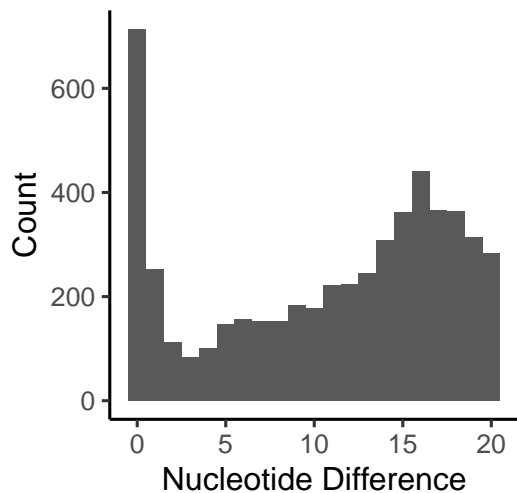
IGHV1-24*01

2332 sequences assigned
173 (7.4%) exact matches, in which:
83 unique CDR3
5 unique J



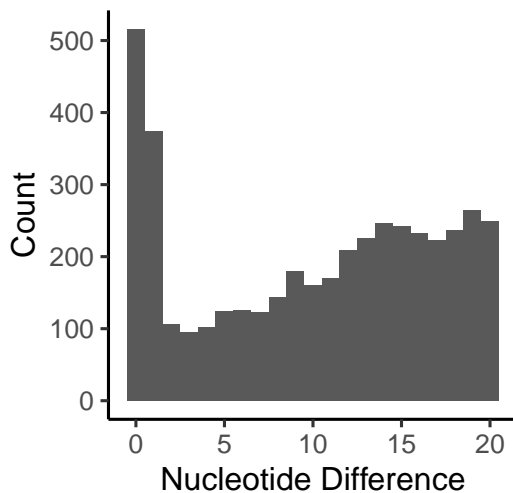
IGHV1-2*06

8784 sequences assigned
714 (8.1%) exact matches, in which:
352 unique CDR3
6 unique J



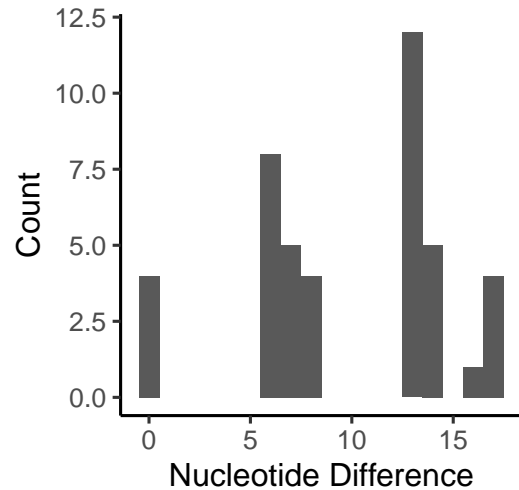
IGHV1-8*01

6861 sequences assigned
516 (7.5%) exact matches, in which:
269 unique CDR3
6 unique J



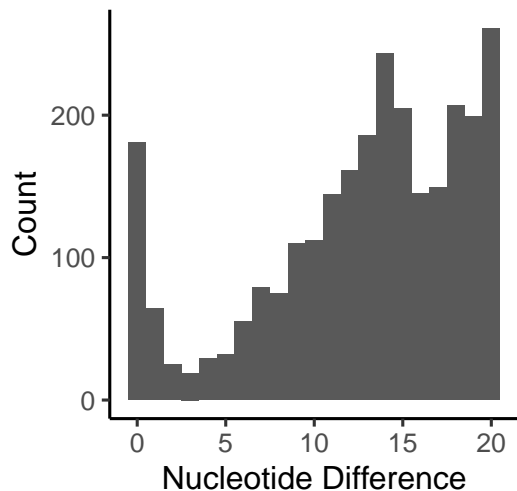
IGHV1-45*02

93 sequences assigned
4 (4.3%) exact matches, in which:
1 unique CDR3
1 unique J



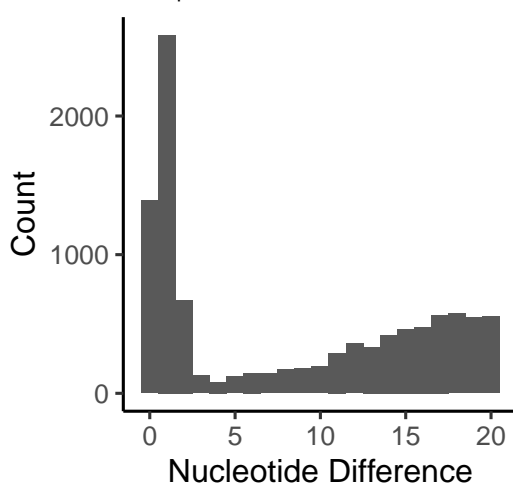
IGHV1-3*01

3765 sequences assigned
181 (4.8%) exact matches, in which:
99 unique CDR3
5 unique J



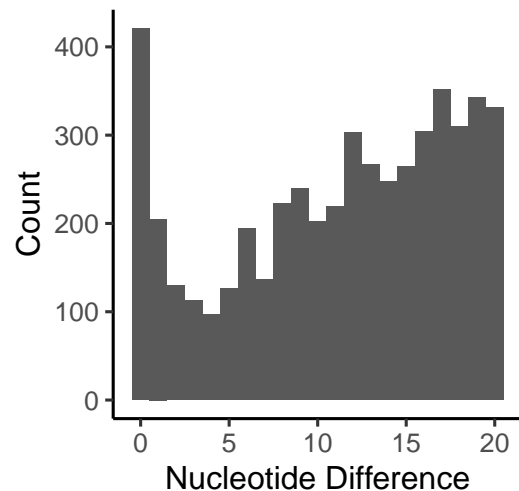
IGHV1-18*01

14563 sequences assigned
1391 (9.6%) exact matches, in which:
507 unique CDR3
5 unique J



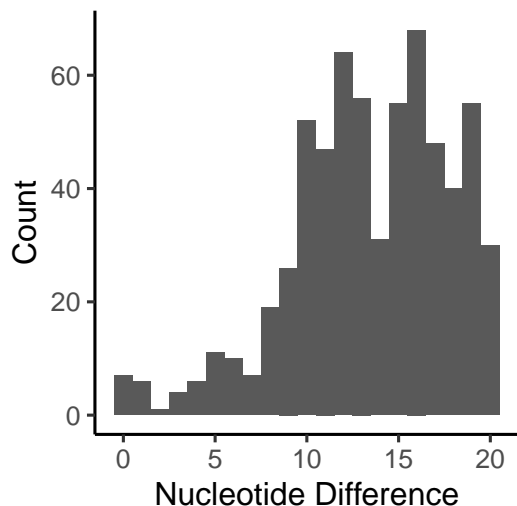
IGHV1-46*01

9005 sequences assigned
421 (4.7%) exact matches, in which:
237 unique CDR3
6 unique J



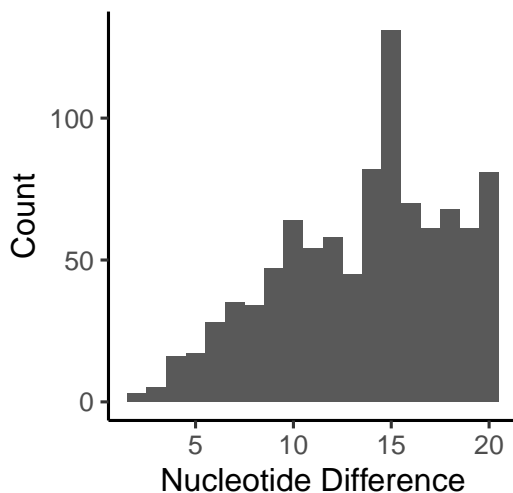
IGHV1-46*03

1551 sequences assigned
7 (0.5%) exact matches, in which:
3 unique CDR3
2 unique J



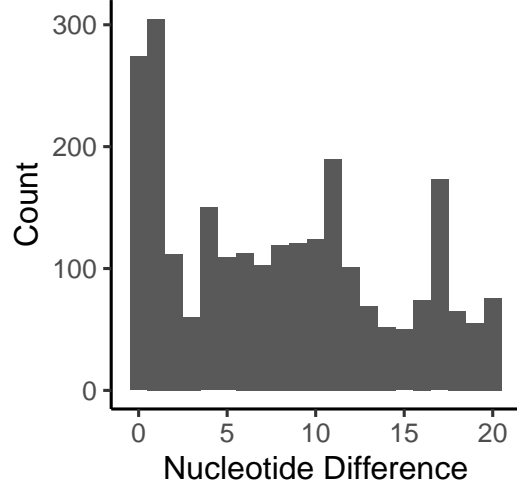
IGHV2-5*02

1541 sequences assigned
No exact matches.



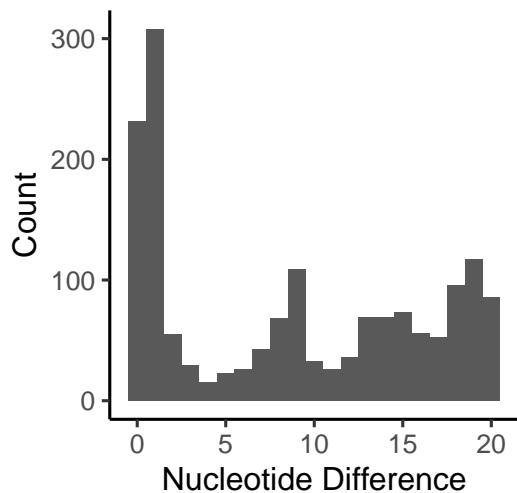
IGHV2-70*04

2758 sequences assigned
274 (9.9%) exact matches, in which:
137 unique CDR3
6 unique J



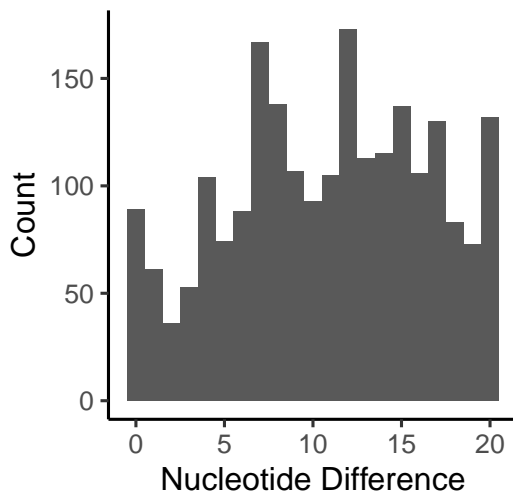
IGHV1-58*01

2690 sequences assigned
232 (8.6%) exact matches, in which:
108 unique CDR3
6 unique J



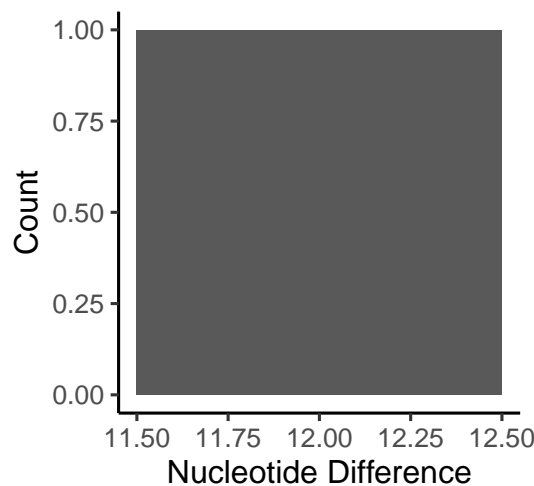
IGHV2-26*01

2696 sequences assigned
89 (3.3%) exact matches, in which:
66 unique CDR3
5 unique J



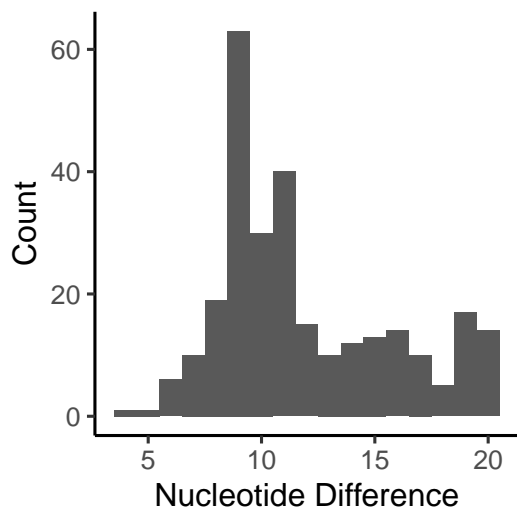
IGHV2-70D*14

4 sequences assigned
No exact matches.



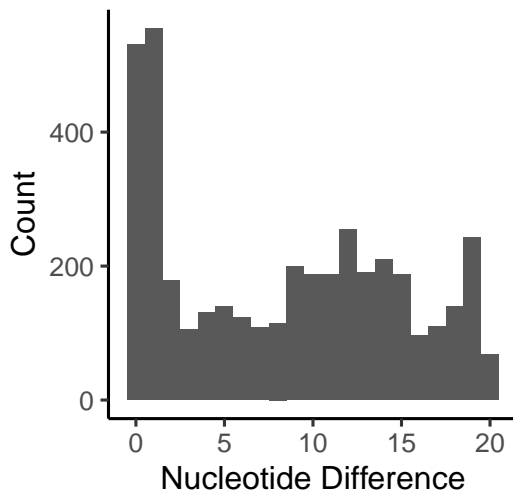
IGHV2-5*01

302 sequences assigned
No exact matches.



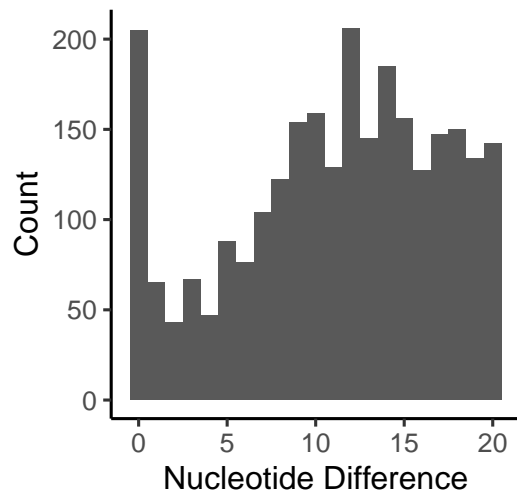
IGHV2-70*01

4468 sequences assigned
531 (11.9%) exact matches, in which:
291 unique CDR3
5 unique J



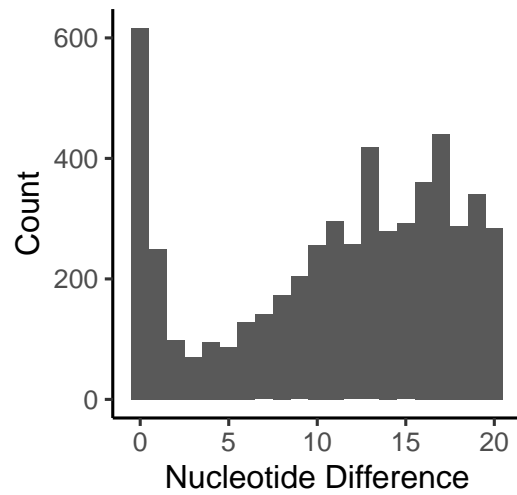
IGHV3-7*01

3396 sequences assigned
205 (6%) exact matches, in which:
125 unique CDR3
6 unique J



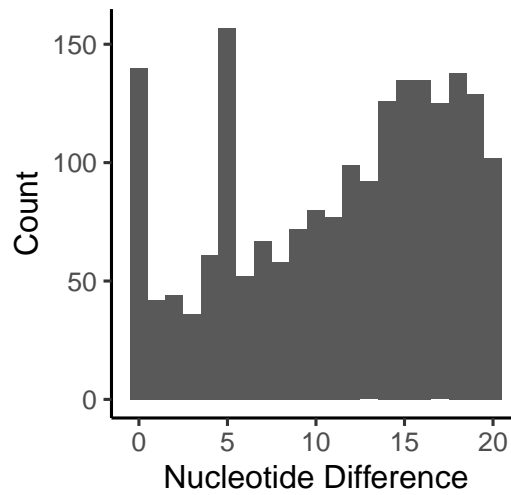
IGHV3-9*01

7140 sequences assigned
617 (8.6%) exact matches, in which:
336 unique CDR3
6 unique J



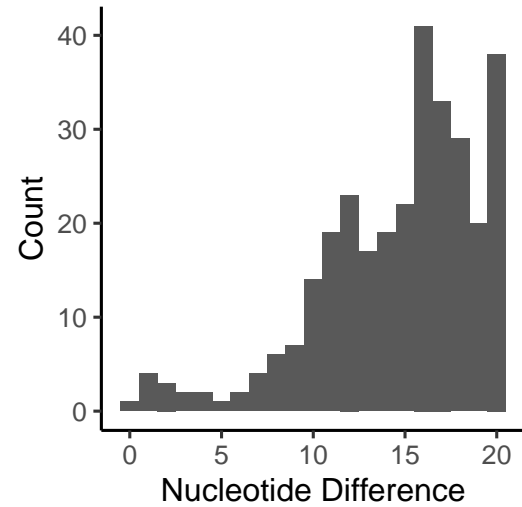
IGHV3-15*01

2915 sequences assigned
140 (4.8%) exact matches, in which:
89 unique CDR3
6 unique J



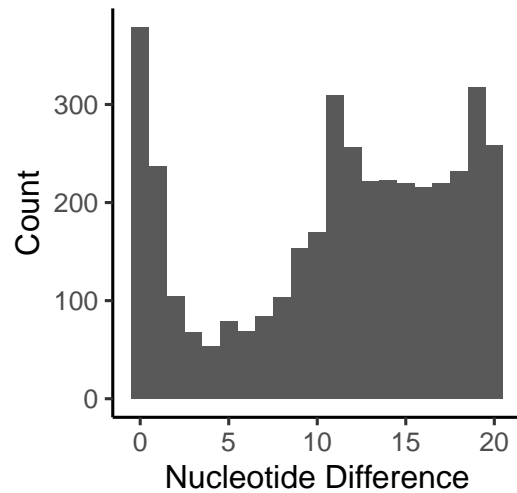
IGHV3-21*06

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



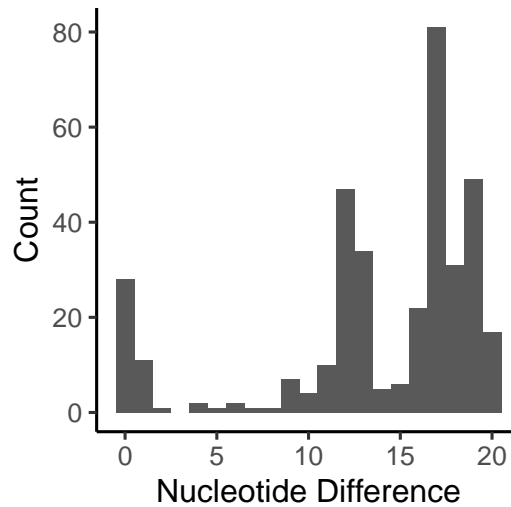
IGHV3-11*01

5811 sequences assigned
379 (6.5%) exact matches, in which:
189 unique CDR3
6 unique J



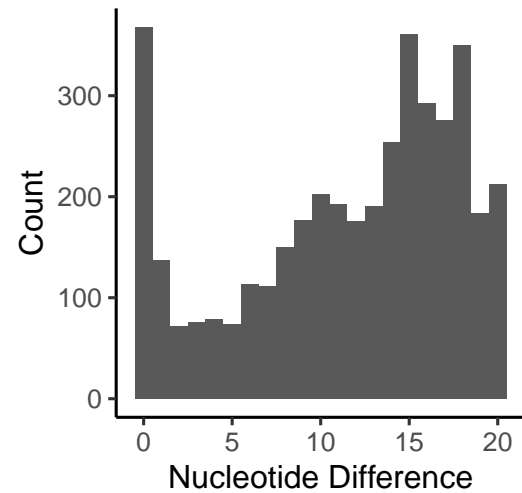
IGHV3-20*01

393 sequences assigned
28 (7.1%) exact matches, in which:
17 unique CDR3
4 unique J



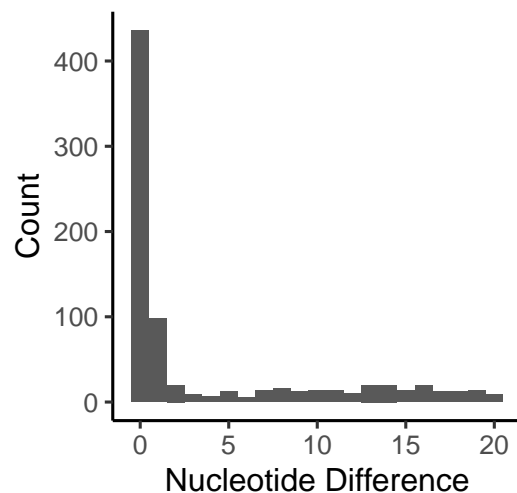
IGHV3-30-3*01

6132 sequences assigned
368 (6%) exact matches, in which:
211 unique CDR3
6 unique J



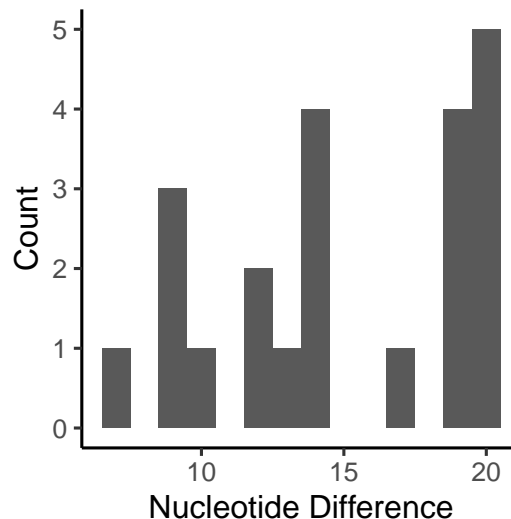
IGHV3-13*01

909 sequences assigned
436 (48%) exact matches, in which:
215 unique CDR3
5 unique J



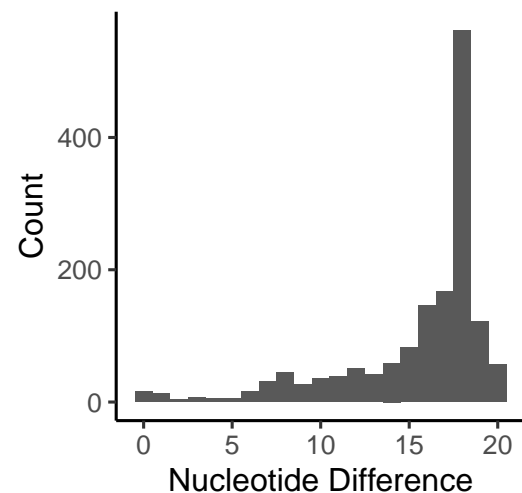
IGHV3-20*04

49 sequences assigned
No exact matches.



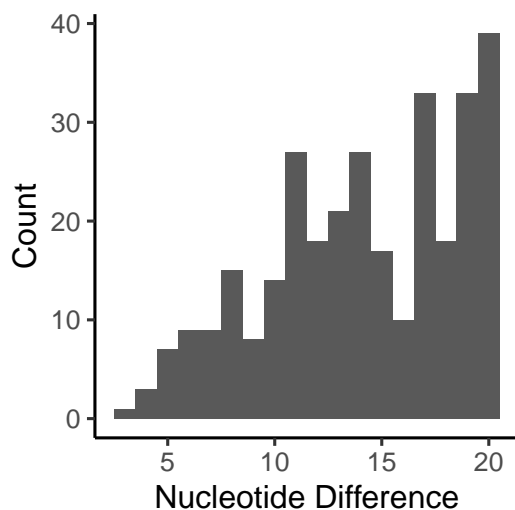
IGHV3-30*03

2140 sequences assigned
16 (0.7%) exact matches, in which:
9 unique CDR3
3 unique J



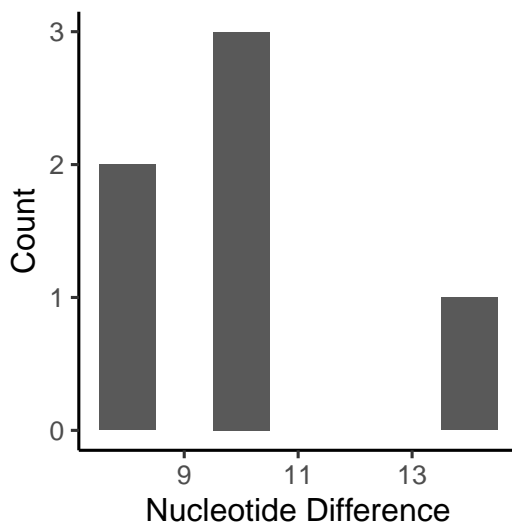
IGHV3-30*04

606 sequences assigned
No exact matches.



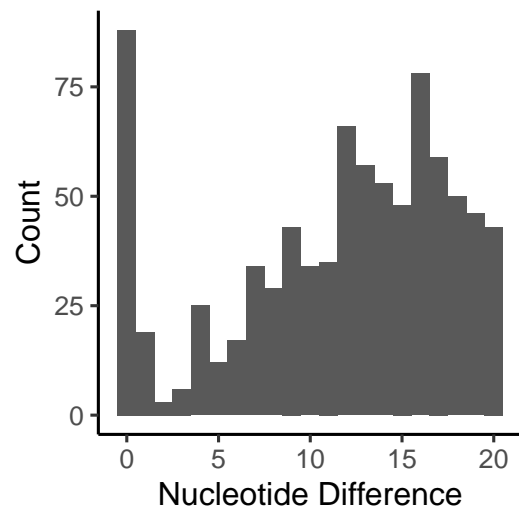
IGHV3-35*01

6 sequences assigned
No exact matches.



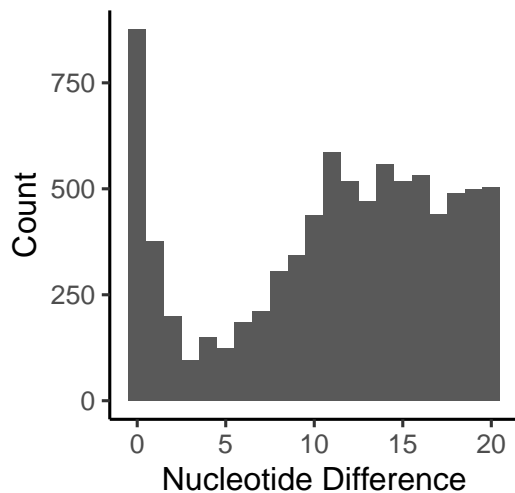
IGHV3-48*02

1420 sequences assigned
88 (6.2%) exact matches, in which:
60 unique CDR3
5 unique J



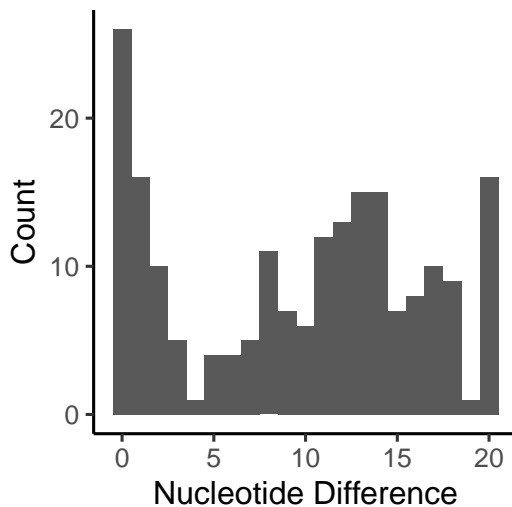
IGHV3-30*18

11918 sequences assigned
877 (7.4%) exact matches, in which:
471 unique CDR3
6 unique J



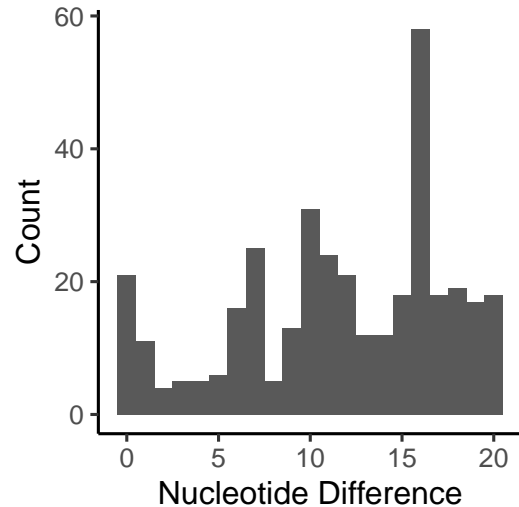
IGHV3-43*01

336 sequences assigned
26 (7.7%) exact matches, in which:
14 unique CDR3
3 unique J



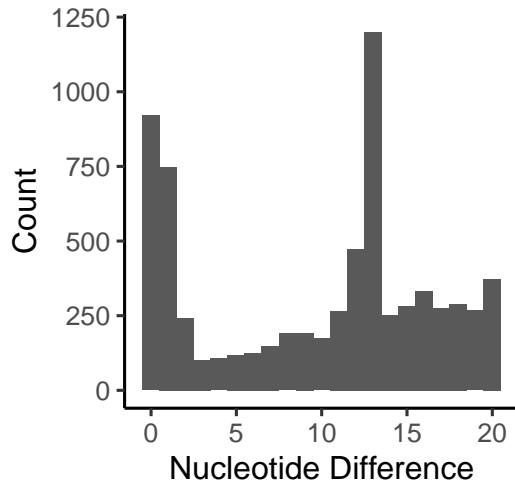
IGHV3-49*03

480 sequences assigned
21 (4.4%) exact matches, in which:
12 unique CDR3
3 unique J



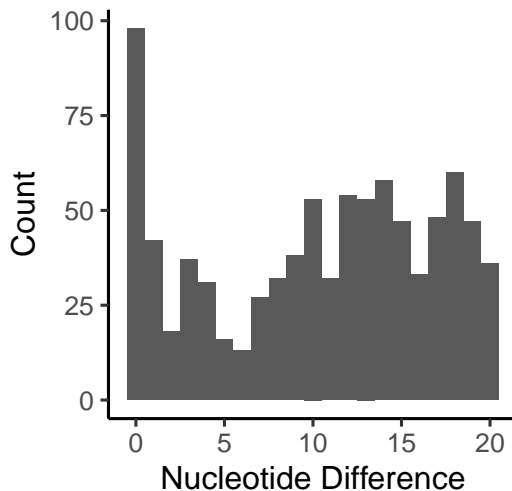
IGHV3-33*01

8537 sequences assigned
920 (10.8%) exact matches, in which:
444 unique CDR3
6 unique J



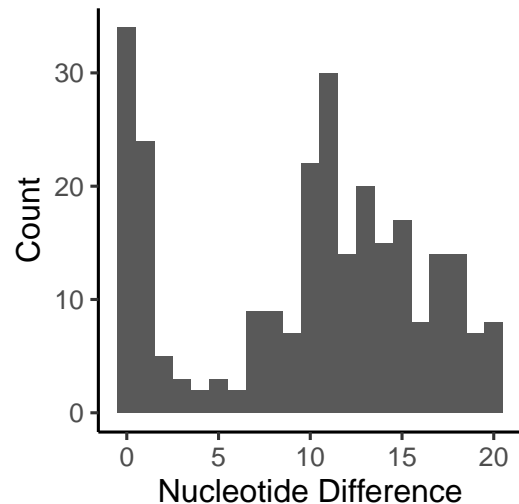
IGHV3-48*01

1214 sequences assigned
98 (8.1%) exact matches, in which:
66 unique CDR3
6 unique J



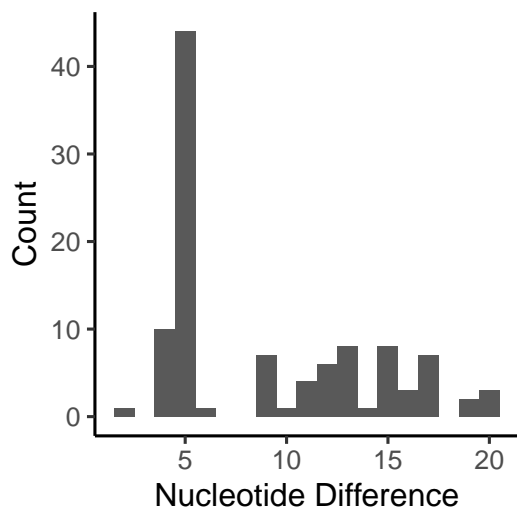
IGHV3-49*05

448 sequences assigned
34 (7.6%) exact matches, in which:
18 unique CDR3
4 unique J



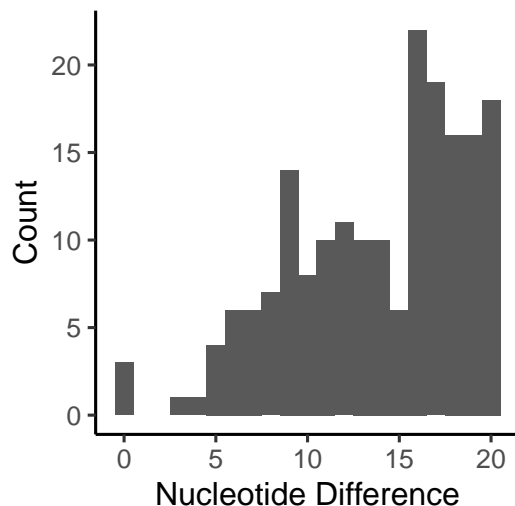
IGHV3-64*01

133 sequences assigned
No exact matches.



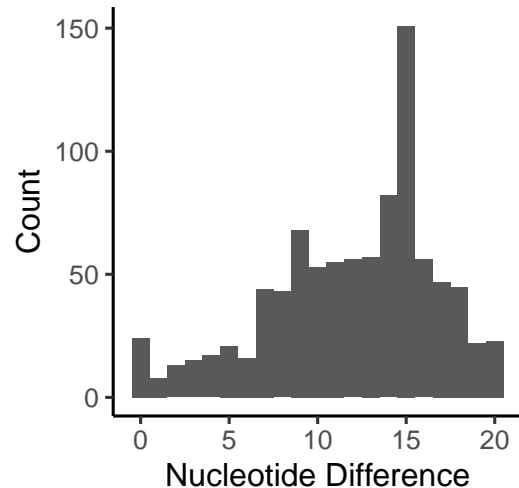
IGHV3-66*02

400 sequences assigned
3 (0.8%) exact matches, in which:
2 unique CDR3
2 unique J



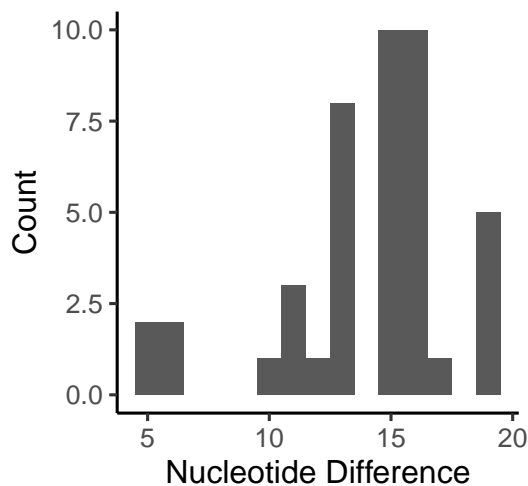
IGHV3-72*01

1102 sequences assigned
24 (2.2%) exact matches, in which:
13 unique CDR3
4 unique J



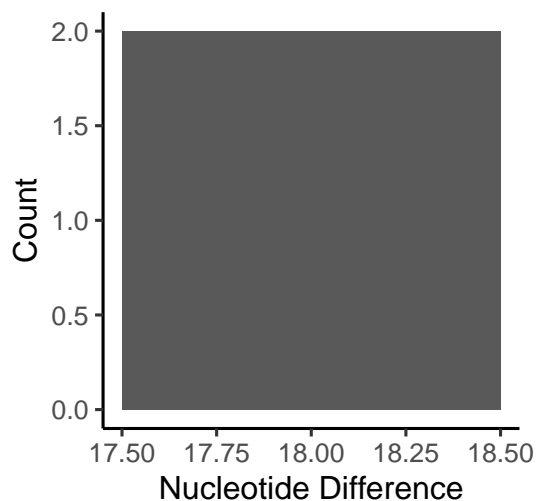
IGHV3-64*02

45 sequences assigned
No exact matches.



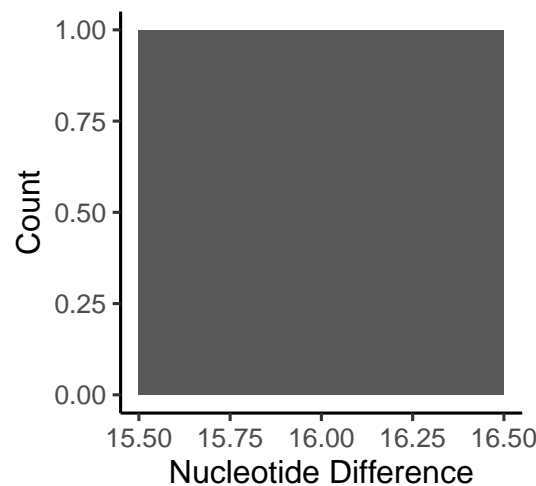
IGHV3-69-1*01

2 sequences assigned
No exact matches.



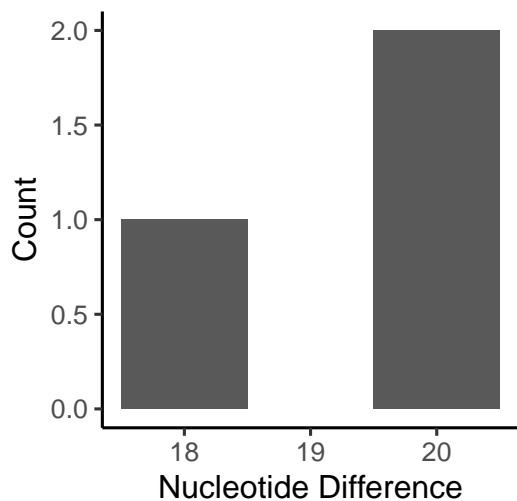
IGHV3-73*01

1 sequences assigned
No exact matches.



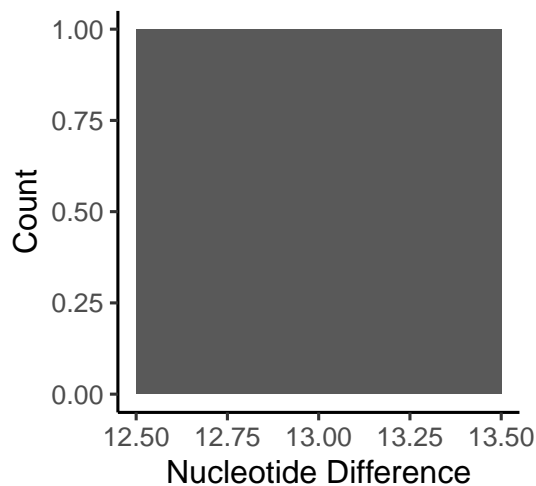
IGHV3-64*07

20 sequences assigned
No exact matches.



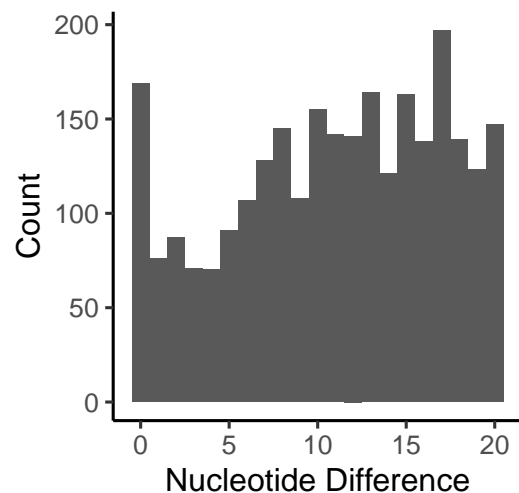
IGHV3-69-1*02

1 sequences assigned
No exact matches.



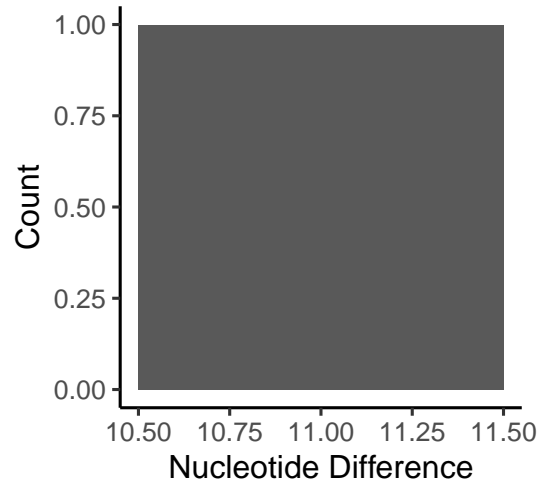
IGHV3-74*01

3956 sequences assigned
169 (4.3%) exact matches, in which:
90 unique CDR3
6 unique J



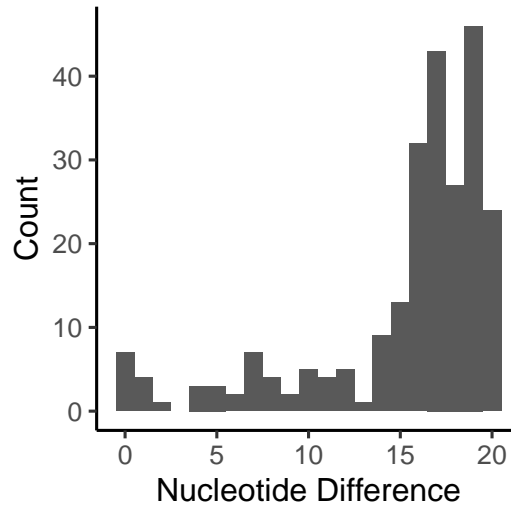
IGHV3-43D*03

1 sequences assigned
No exact matches.



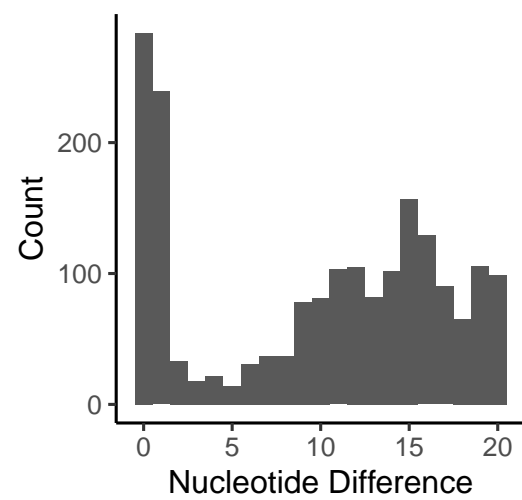
IGHV4-4*07

535 sequences assigned
7 (1.3%) exact matches, in which:
6 unique CDR3
3 unique J



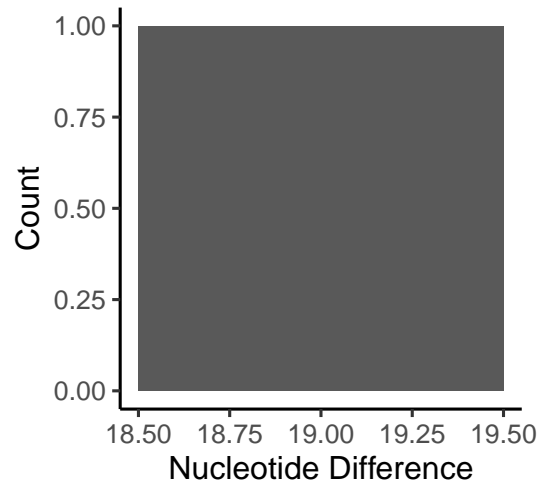
IGHV4-30-4*01

2506 sequences assigned
284 (11.3%) exact matches, in which:
163 unique CDR3
5 unique J



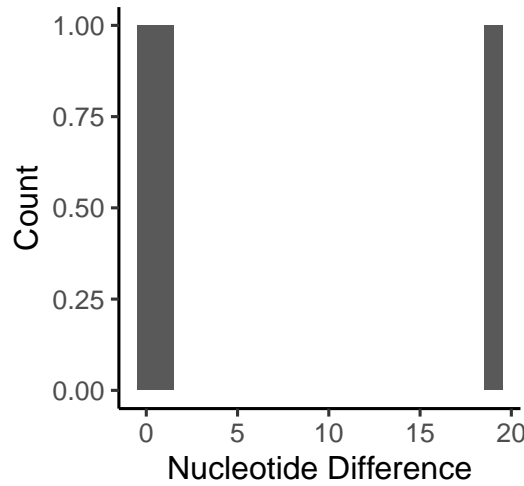
IGHV3-NL1*01

1 sequences assigned
No exact matches.



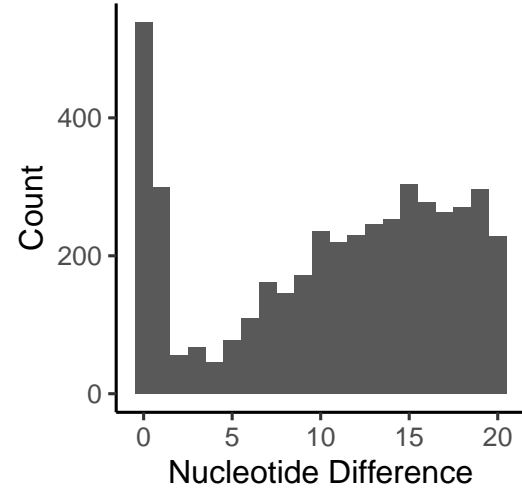
IGHV4-28*03

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



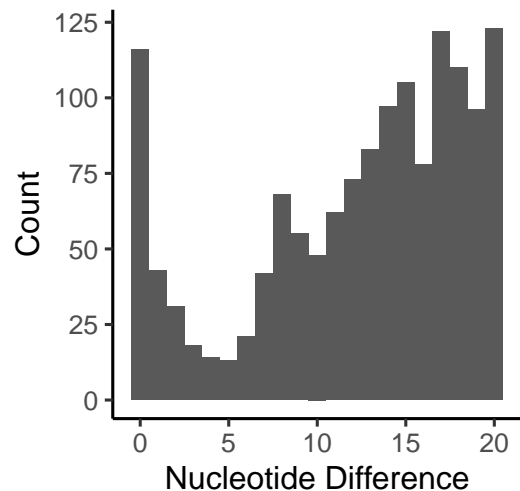
IGHV4-31*03

6032 sequences assigned
539 (8.9%) exact matches, in which:
329 unique CDR3
6 unique J



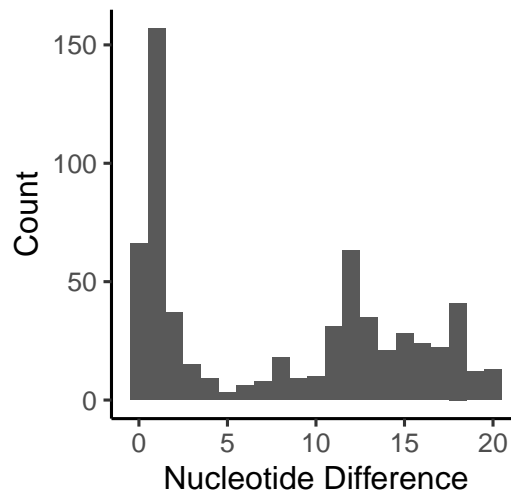
IGHV4-4*02

2353 sequences assigned
116 (4.9%) exact matches, in which:
99 unique CDR3
5 unique J



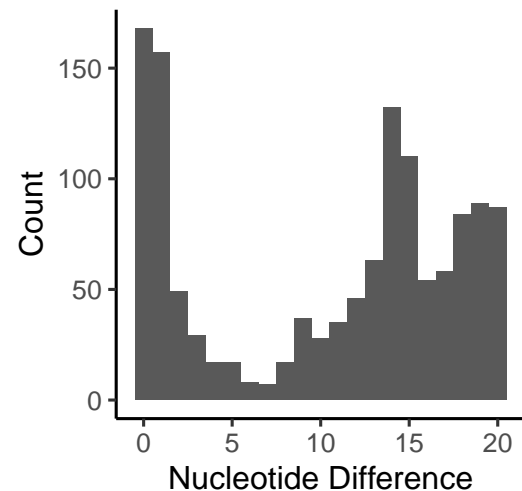
IGHV4-30-2*01

825 sequences assigned
66 (8%) exact matches, in which:
30 unique CDR3
5 unique J



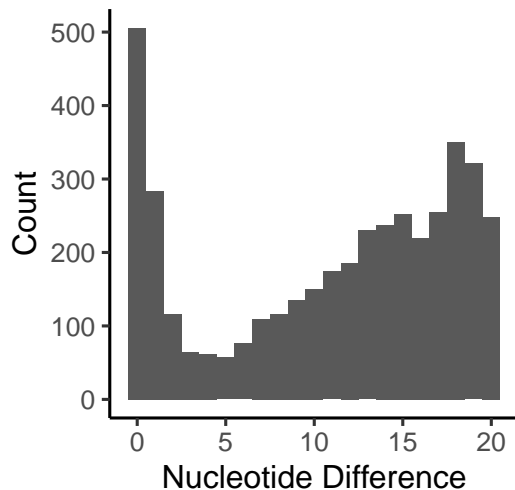
IGHV4-39*01

2728 sequences assigned
168 (6.2%) exact matches, in which:
145 unique CDR3
6 unique J



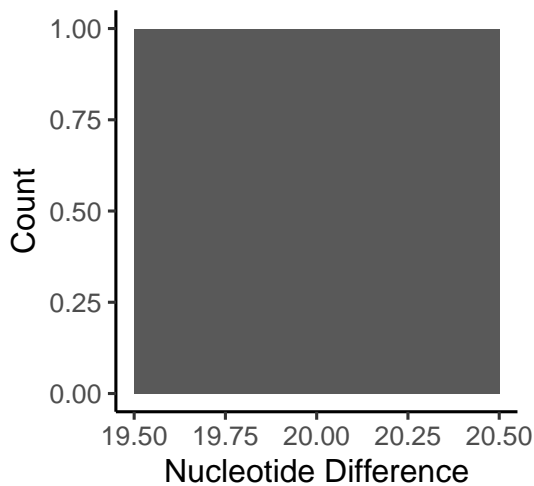
IGHV4–59*01

6362 sequences assigned
506 (8%) exact matches, in which:
314 unique CDR3
6 unique J



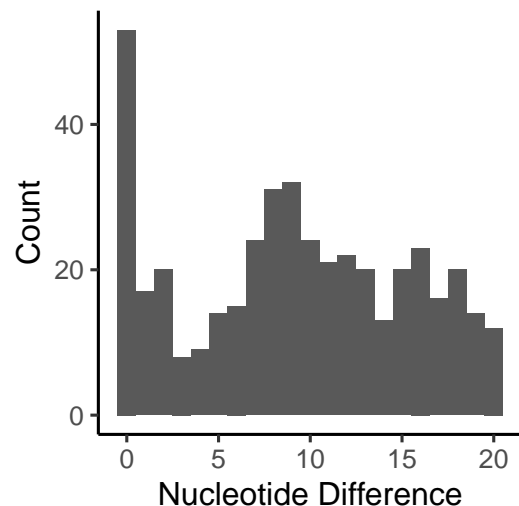
IGHV1/OR15–1*04

3 sequences assigned
No exact matches.



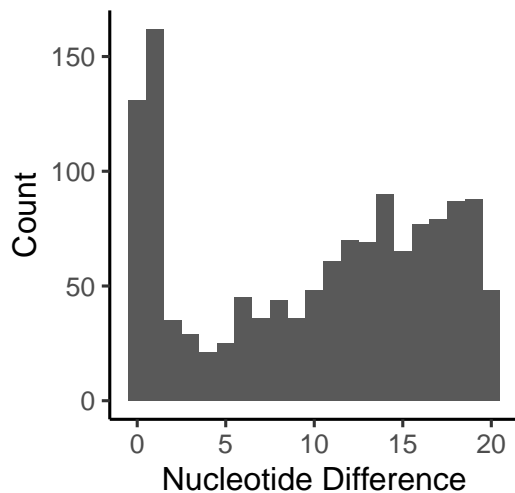
IGHV6–1*01

520 sequences assigned
53 (10.2%) exact matches, in which:
29 unique CDR3
5 unique J



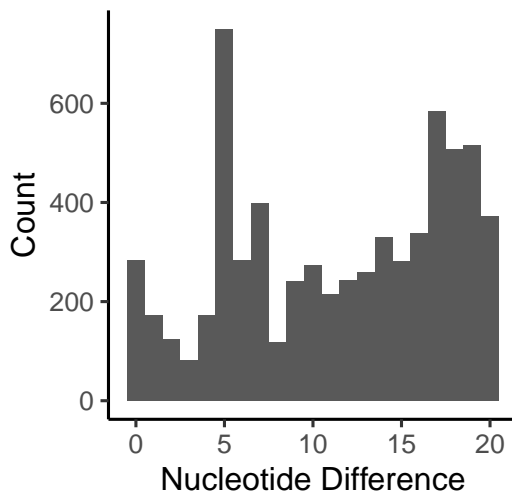
IGHV4–61*01

1993 sequences assigned
131 (6.6%) exact matches, in which:
81 unique CDR3
5 unique J



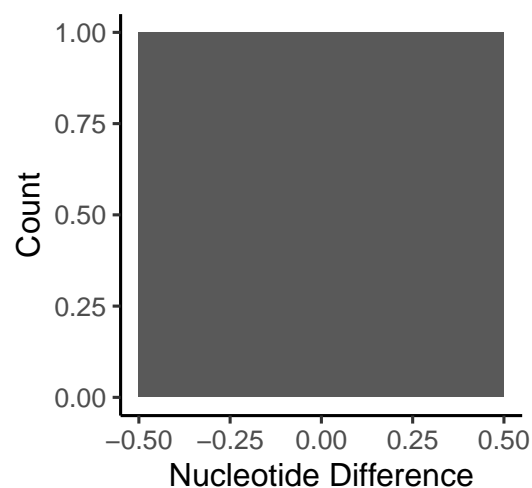
IGHV5–51*01

8342 sequences assigned
283 (3.4%) exact matches, in which:
144 unique CDR3
6 unique J



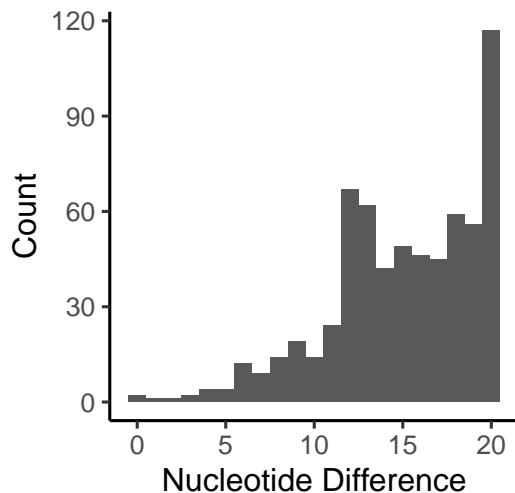
IGHV3/OR16–17*01

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



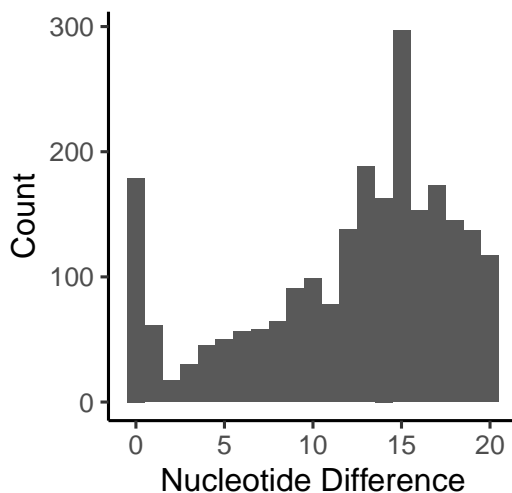
IGHV4–61*02

1414 sequences assigned
2 (0.1%) exact matches, in which:
2 unique CDR3
1 unique J



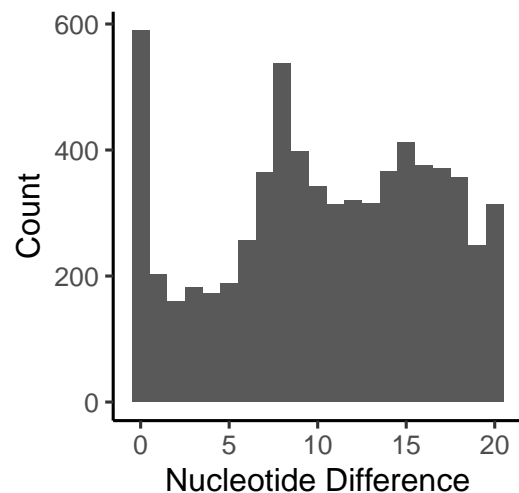
IGHV5–51*03

3371 sequences assigned
179 (5.3%) exact matches, in which:
81 unique CDR3
6 unique J



IGHV7–4–1*02

9129 sequences assigned
590 (6.5%) exact matches, in which:
303 unique CDR3
6 unique J





Warning – no inferred sequences found.