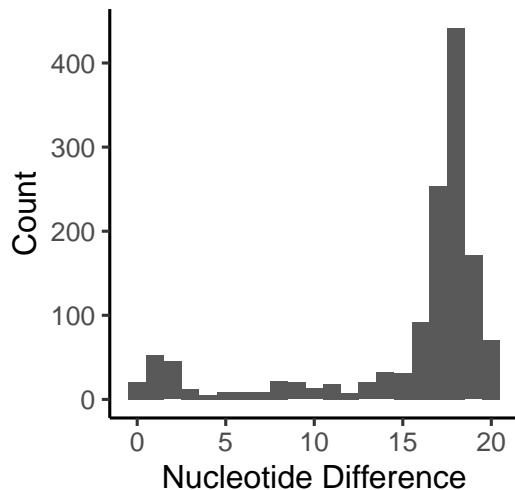


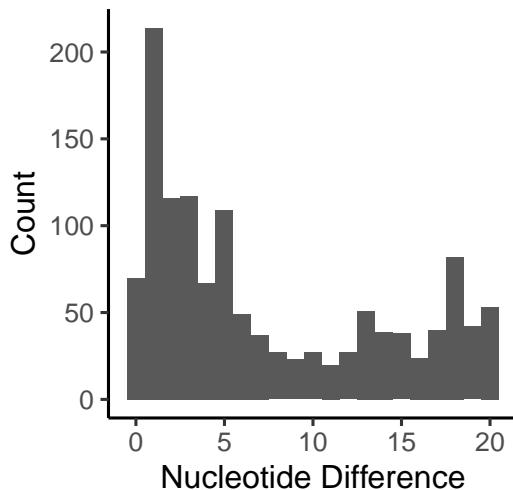
IGHV1-2*02

1691 sequences assigned
21 (1.2%) exact matches, in which:
15 unique CDR3
4 unique J



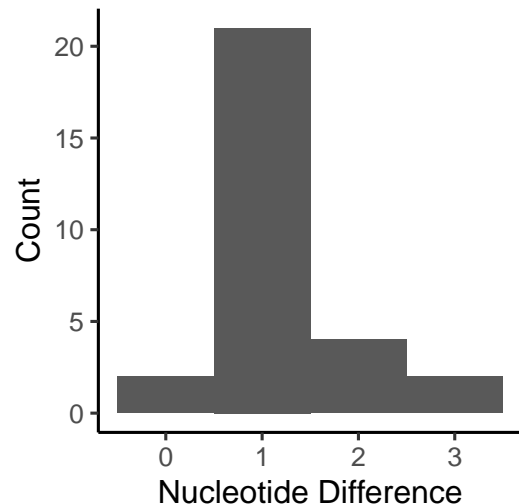
IGHV1-18*01

1945 sequences assigned
70 (3.6%) exact matches, in which:
35 unique CDR3
4 unique J



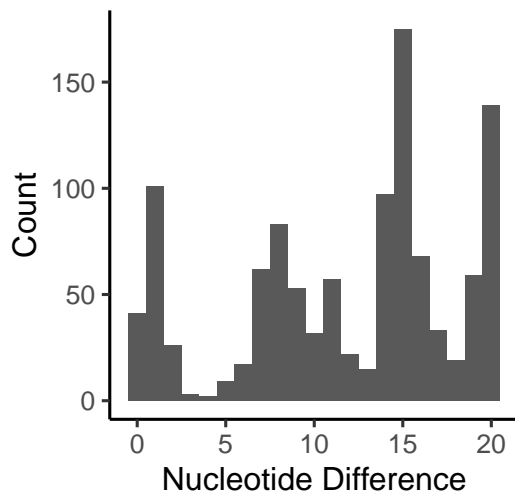
IGHV1-58*01

49 sequences assigned
2 (4.1%) exact matches, in which:
1 unique CDR3
1 unique J



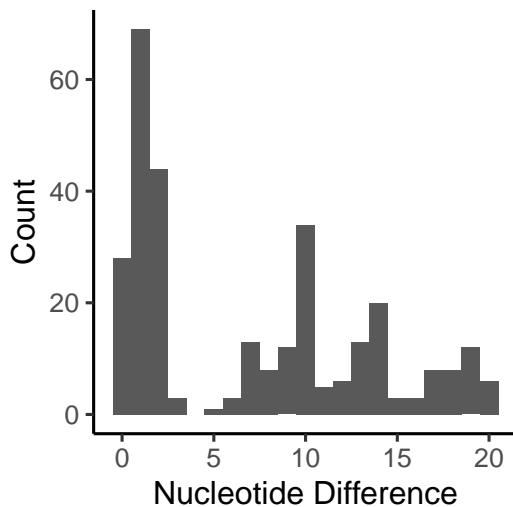
IGHV1-3*01

1605 sequences assigned
41 (2.6%) exact matches, in which:
19 unique CDR3
4 unique J



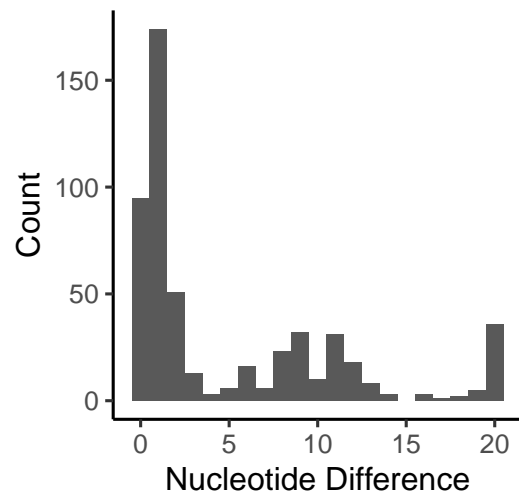
IGHV1-24*01

464 sequences assigned
28 (6%) exact matches, in which:
13 unique CDR3
3 unique J



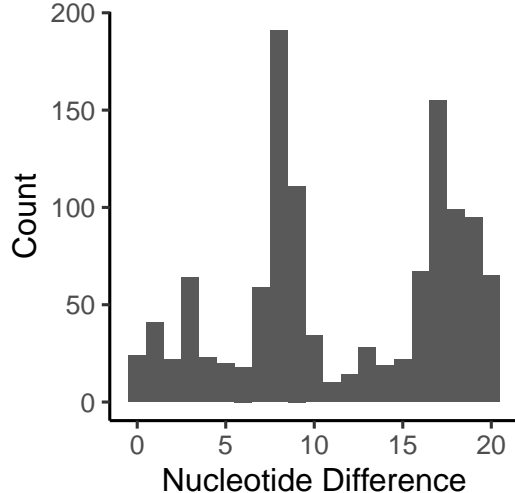
IGHV1-69*01

1184 sequences assigned
95 (8%) exact matches, in which:
58 unique CDR3
3 unique J



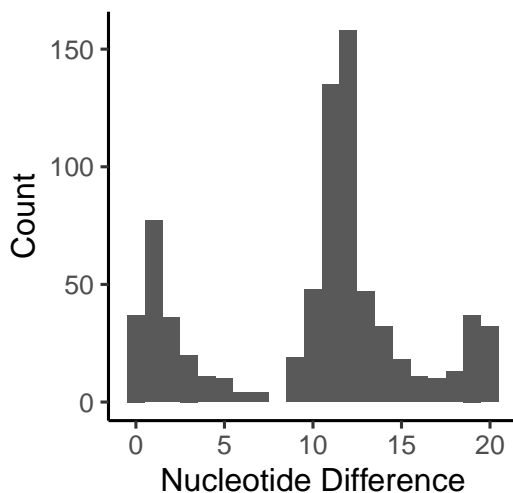
IGHV1-8*01

1425 sequences assigned
24 (1.7%) exact matches, in which:
17 unique CDR3
3 unique J



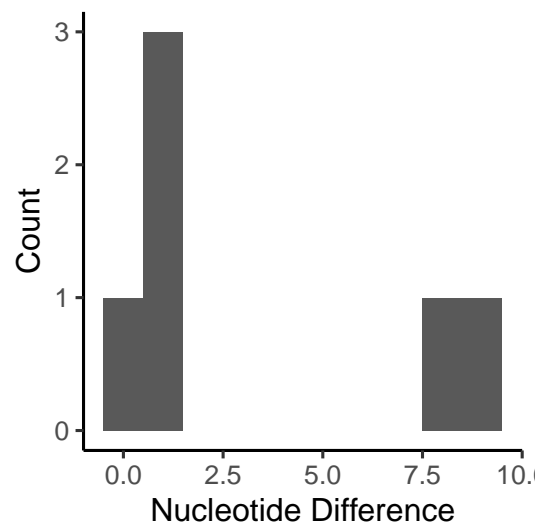
IGHV1-46*01

1116 sequences assigned
37 (3.3%) exact matches, in which:
21 unique CDR3
3 unique J



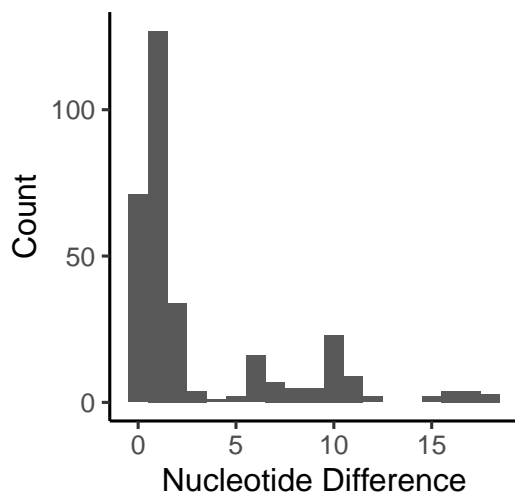
IGHV1-69-2*01

60 sequences assigned
1 (1.7%) exact matches, in which:
1 unique CDR3
1 unique J



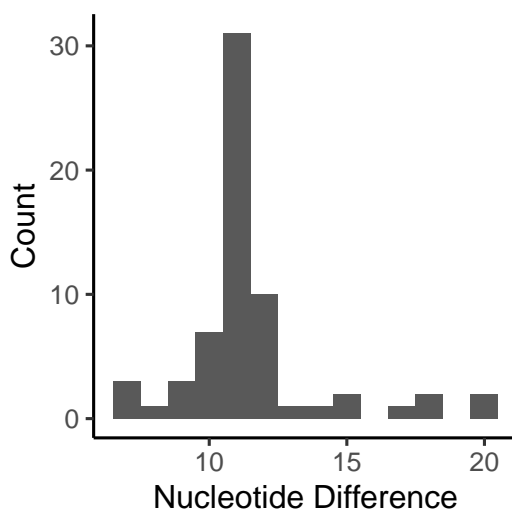
IGHV1-69*06

736 sequences assigned
71 (9.6%) exact matches, in which:
44 unique CDR3
3 unique J



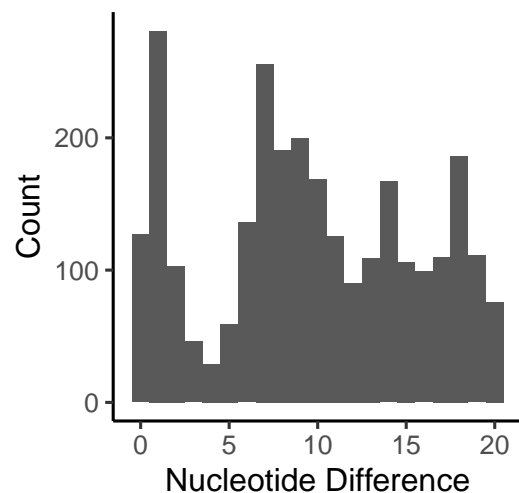
IGHV2-26*01

105 sequences assigned
No exact matches.



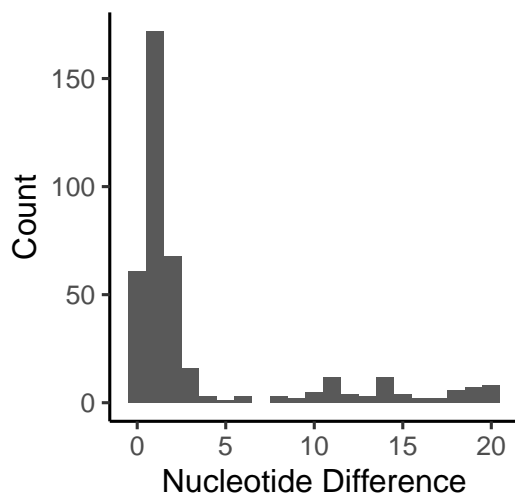
IGHV3-7*01

3685 sequences assigned
127 (3.4%) exact matches, in which:
81 unique CDR3
5 unique J



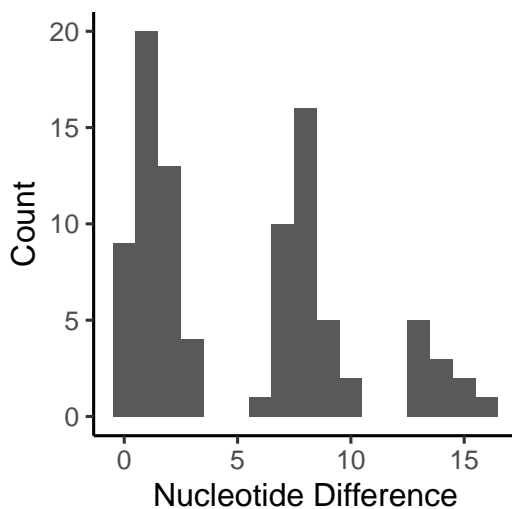
IGHV2-5*01

602 sequences assigned
61 (10.1%) exact matches, in which:
34 unique CDR3
3 unique J



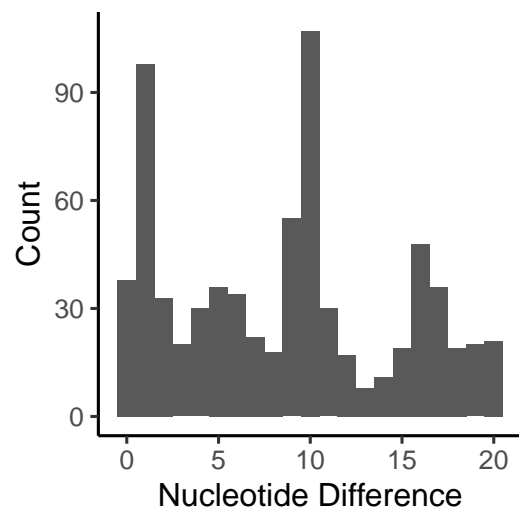
IGHV2-70*01

91 sequences assigned
9 (9.9%) exact matches, in which:
5 unique CDR3
2 unique J



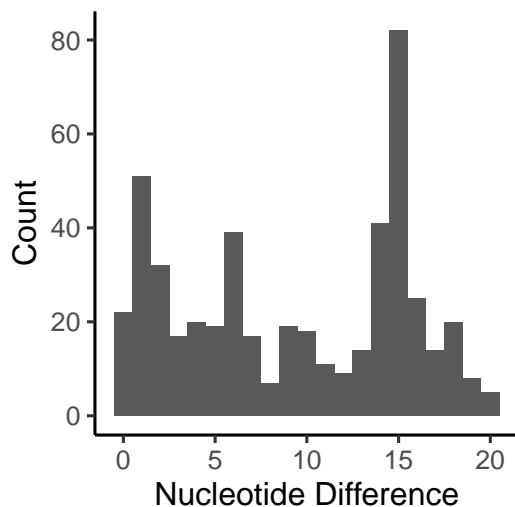
IGHV3-9*01

810 sequences assigned
38 (4.7%) exact matches, in which:
29 unique CDR3
3 unique J



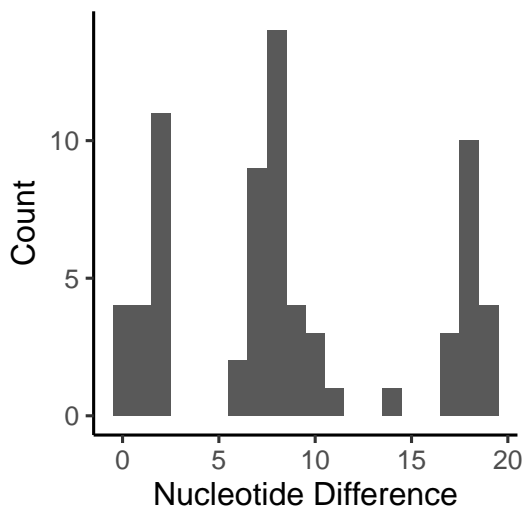
IGHV2-5*02

746 sequences assigned
22 (2.9%) exact matches, in which:
16 unique CDR3
4 unique J



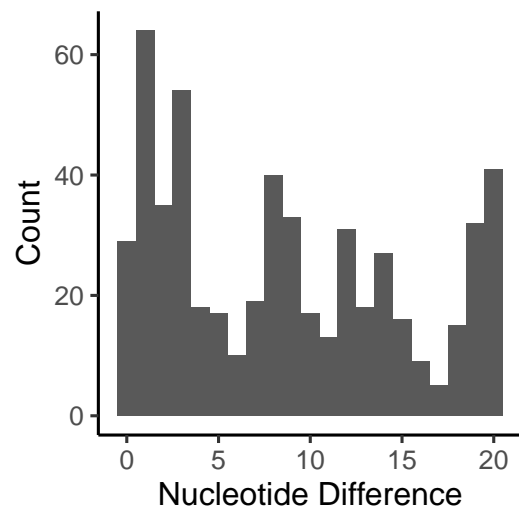
IGHV2-70*04

70 sequences assigned
4 (5.7%) exact matches, in which:
2 unique CDR3
2 unique J



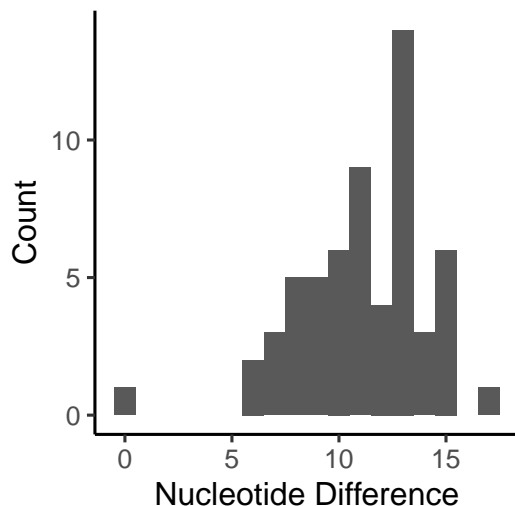
IGHV3-11*01

939 sequences assigned
29 (3.1%) exact matches, in which:
20 unique CDR3
2 unique J



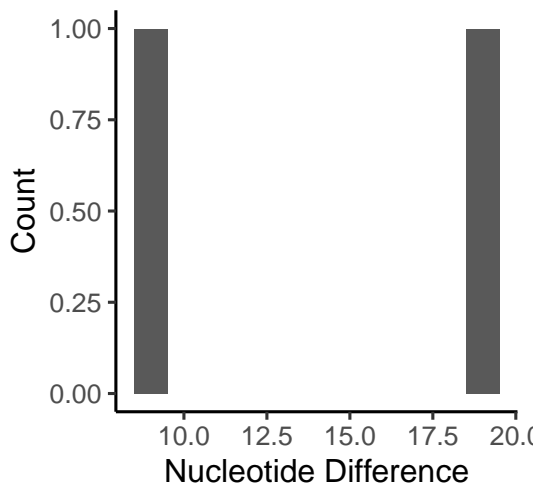
IGHV3-13*01

59 sequences assigned
1 (1.7%) exact matches, in which:
1 unique CDR3
1 unique J



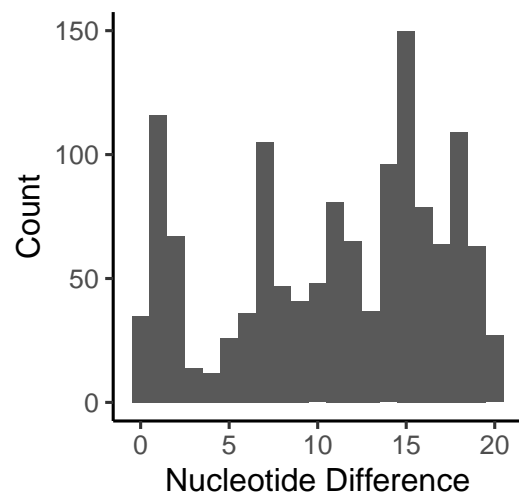
IGHV3-20*04

4 sequences assigned
No exact matches.



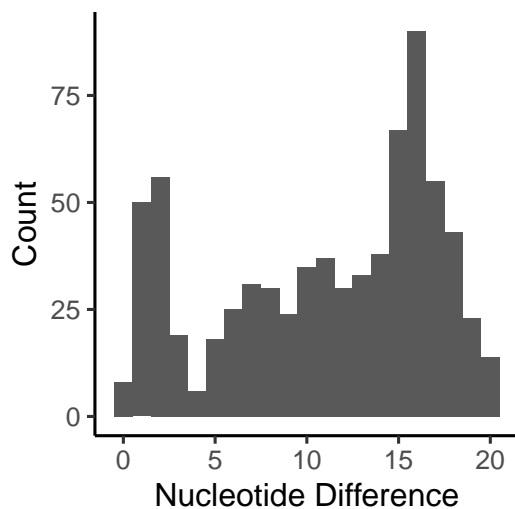
IGHV3-23*04

1884 sequences assigned
35 (1.9%) exact matches, in which:
20 unique CDR3
4 unique J



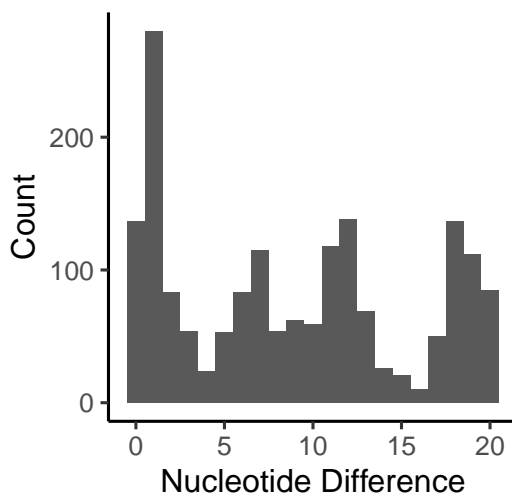
IGHV3-15*01

832 sequences assigned
8 (1%) exact matches, in which:
8 unique CDR3
2 unique J



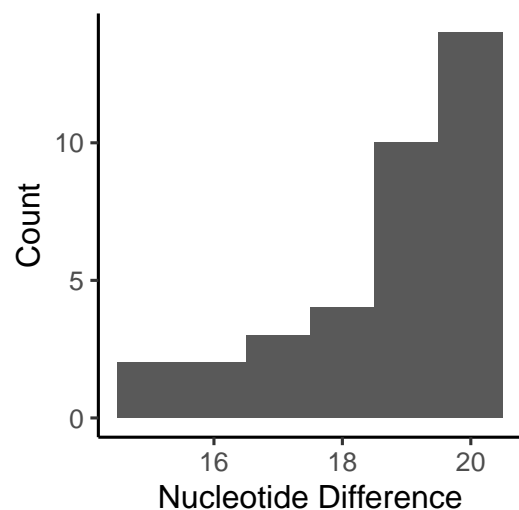
IGHV3-21*01

2172 sequences assigned
137 (6.3%) exact matches, in which:
92 unique CDR3
4 unique J



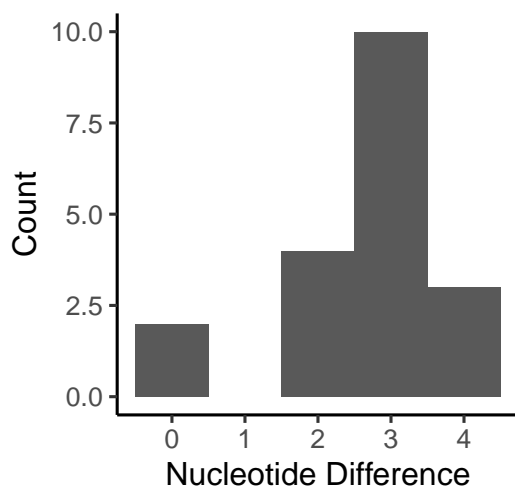
IGHV3-30*03

39 sequences assigned
No exact matches.



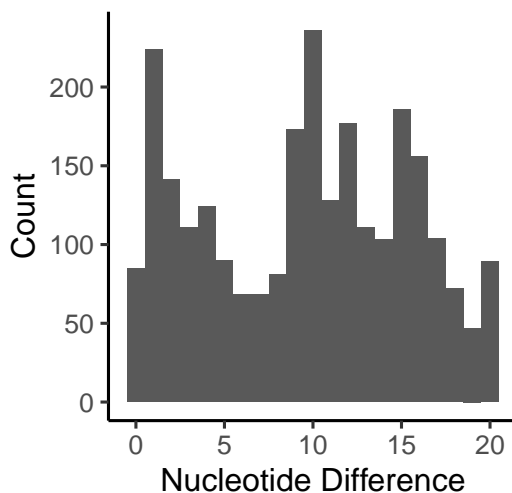
IGHV3-20*01

19 sequences assigned
2 (10.5%) exact matches, in which:
2 unique CDR3
2 unique J



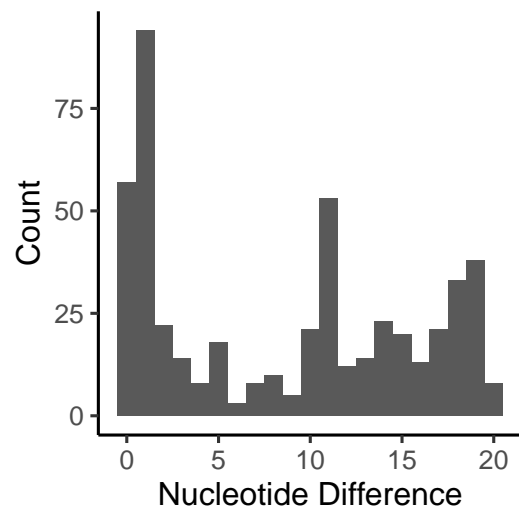
IGHV3-23*01

3631 sequences assigned
85 (2.3%) exact matches, in which:
53 unique CDR3
3 unique J



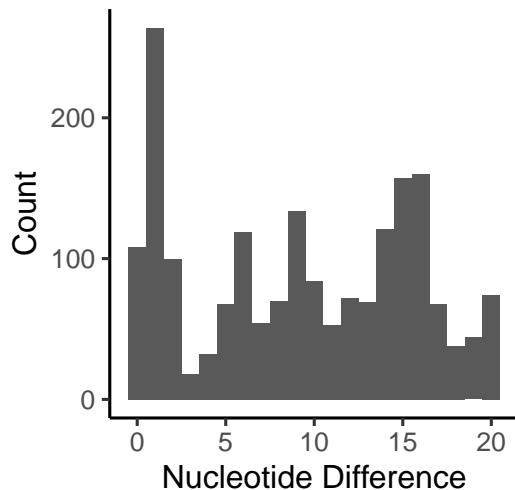
IGHV3-30*18

662 sequences assigned
57 (8.6%) exact matches, in which:
33 unique CDR3
2 unique J



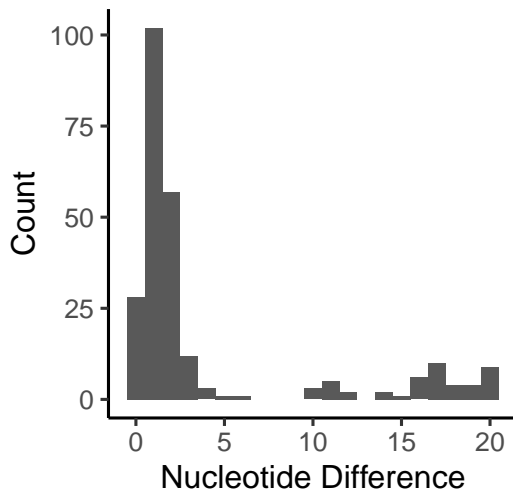
IGHV3–33*01

2768 sequences assigned
108 (3.9%) exact matches, in which:
63 unique CDR3
4 unique J



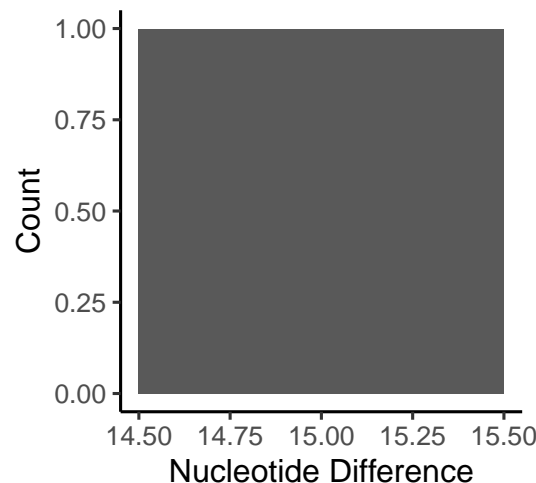
IGHV3–49*05

303 sequences assigned
28 (9.2%) exact matches, in which:
16 unique CDR3
2 unique J



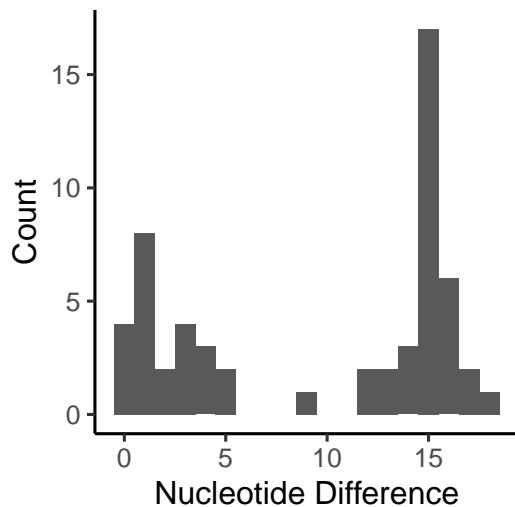
IGHV3–66*03

1 sequences assigned
No exact matches.



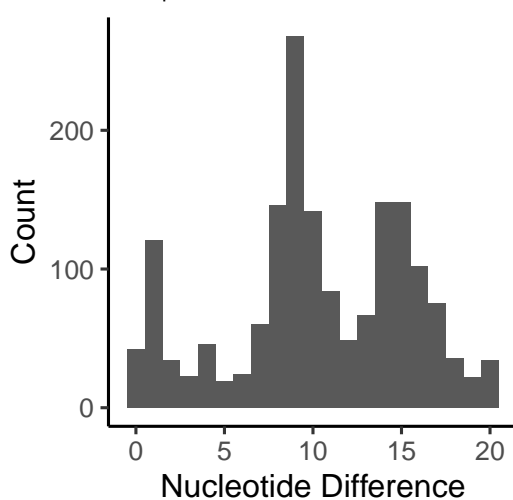
IGHV3–43*01

77 sequences assigned
4 (5.2%) exact matches, in which:
4 unique CDR3
1 unique J



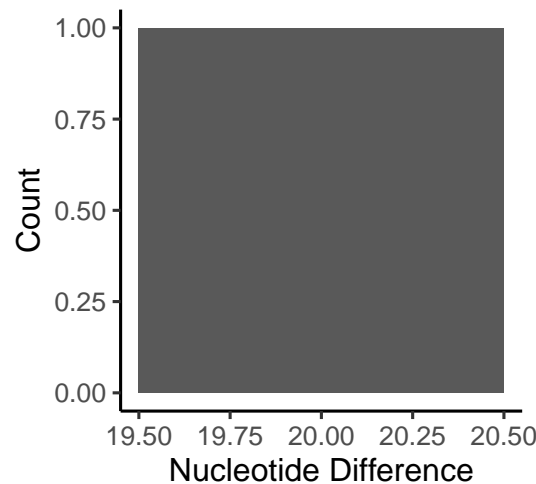
IGHV3–53*01

2424 sequences assigned
42 (1.7%) exact matches, in which:
26 unique CDR3
5 unique J



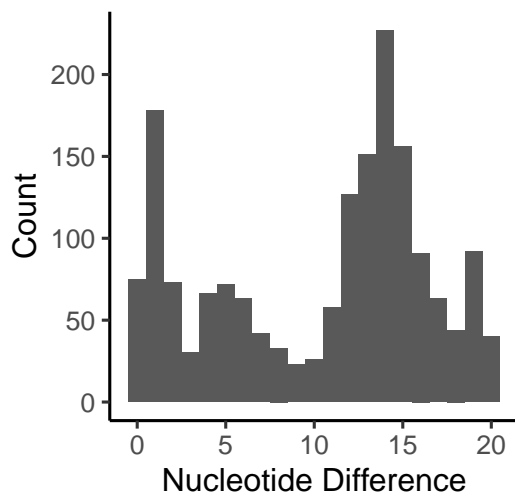
IGHV3–66*04

1 sequences assigned
No exact matches.



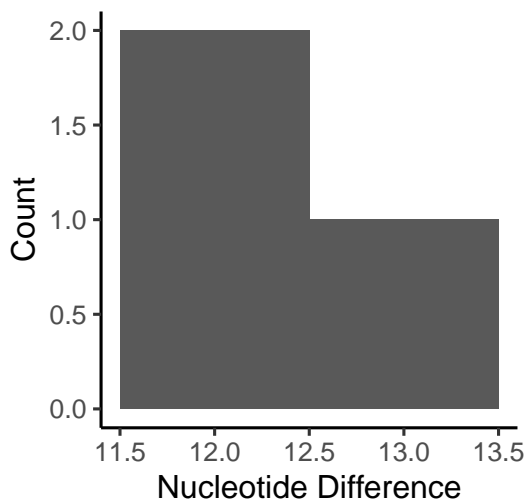
IGHV3–48*02

2095 sequences assigned
75 (3.6%) exact matches, in which:
37 unique CDR3
3 unique J



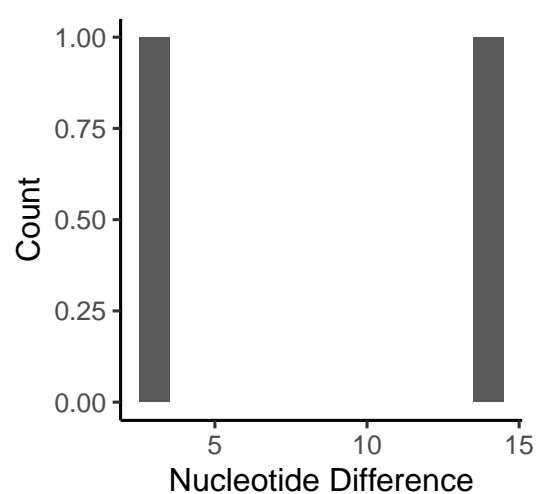
IGHV3–64*02

3 sequences assigned
No exact matches.



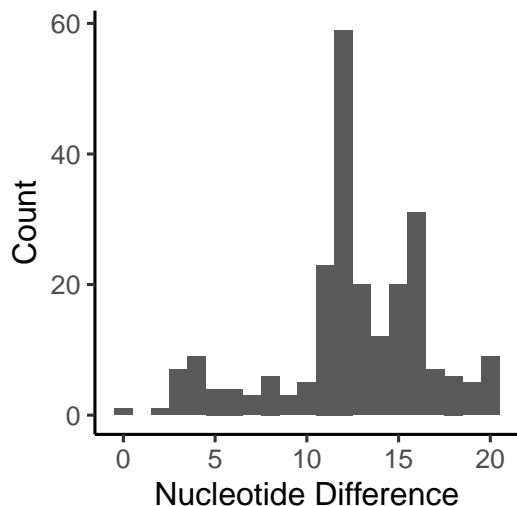
IGHV3–69–1*01

2 sequences assigned
No exact matches.



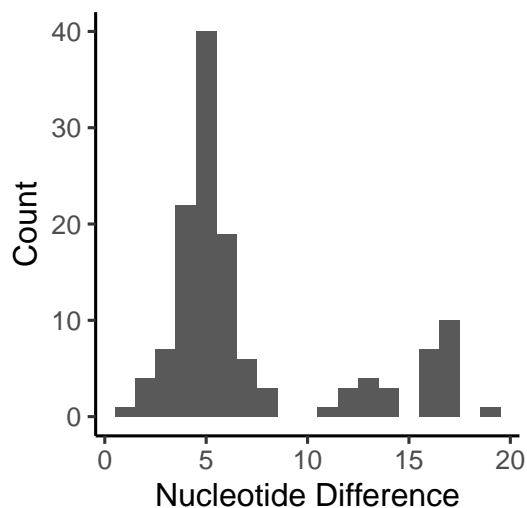
IGHV3-72*01

363 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



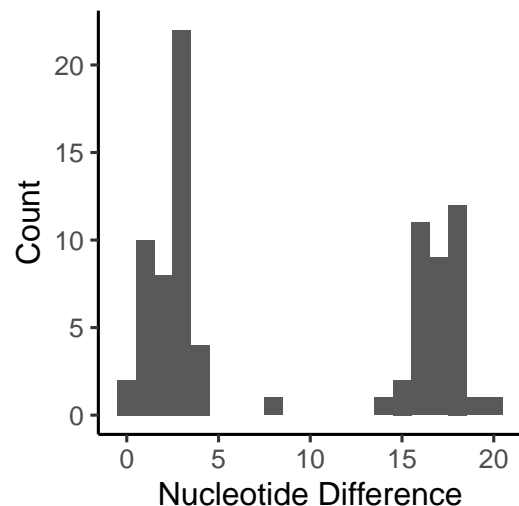
IGHV4-4*02

219 sequences assigned
No exact matches.



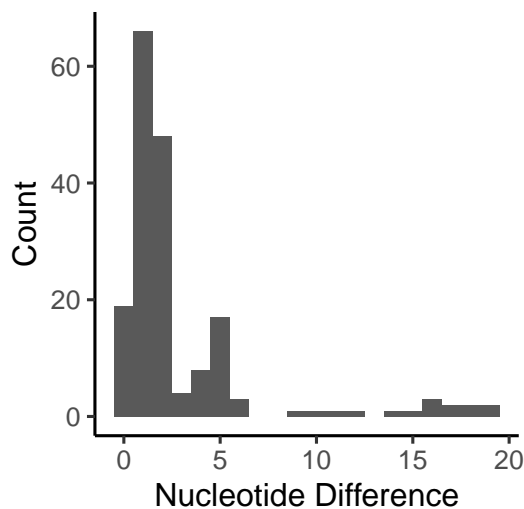
IGHV4-30-2*01

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



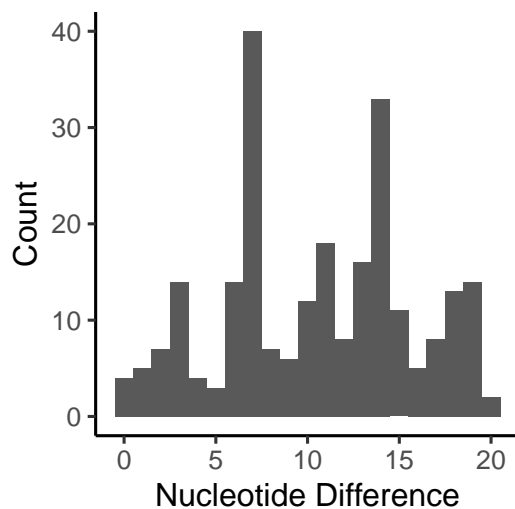
IGHV3-73*02

192 sequences assigned
19 (9.9%) exact matches, in which:
13 unique CDR3
2 unique J



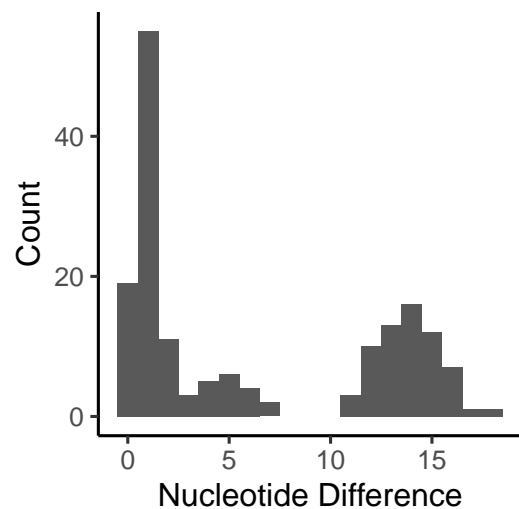
IGHV4-4*07

296 sequences assigned
4 (1.4%) exact matches, in which:
4 unique CDR3
1 unique J



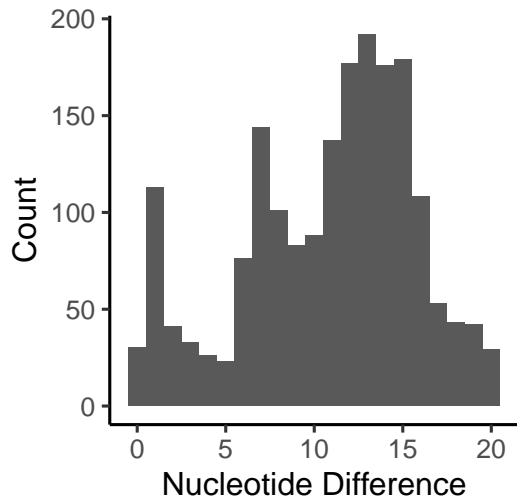
IGHV4-31*03

248 sequences assigned
19 (7.7%) exact matches, in which:
10 unique CDR3
3 unique J



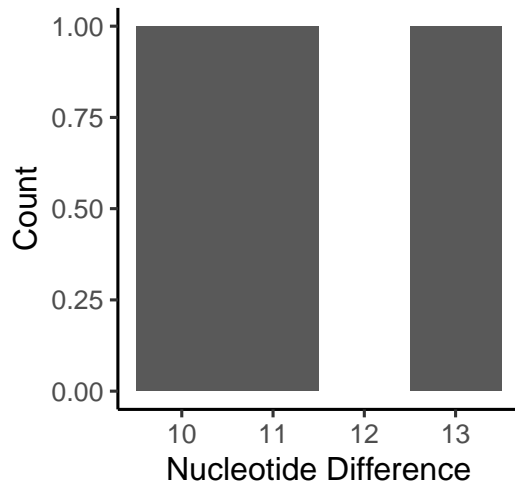
IGHV3-74*01

2229 sequences assigned
30 (1.3%) exact matches, in which:
19 unique CDR3
3 unique J



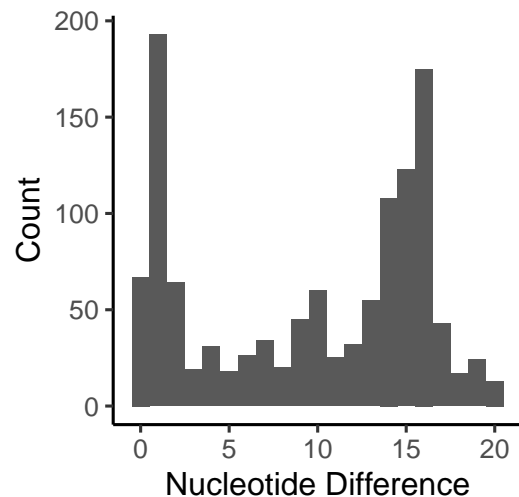
IGHV4-28*01

4 sequences assigned
No exact matches.



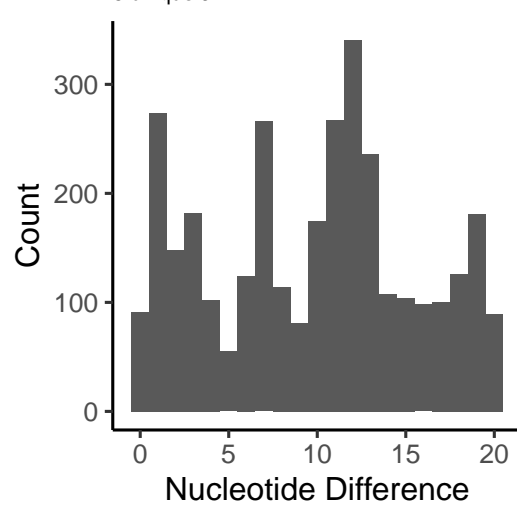
IGHV4-34*01

1673 sequences assigned
67 (4%) exact matches, in which:
48 unique CDR3
3 unique J



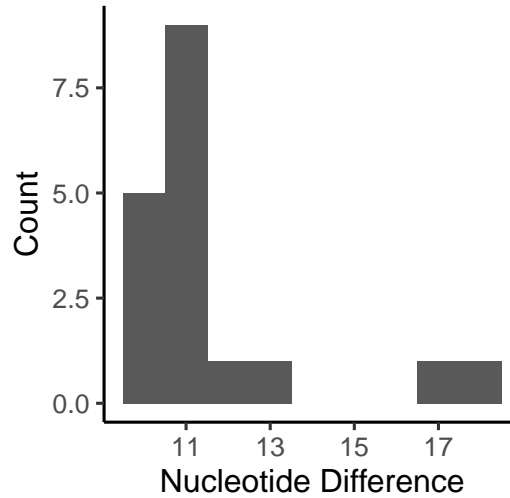
IGHV4-39*01

3910 sequences assigned
91 (2.3%) exact matches, in which:
57 unique CDR3
5 unique J



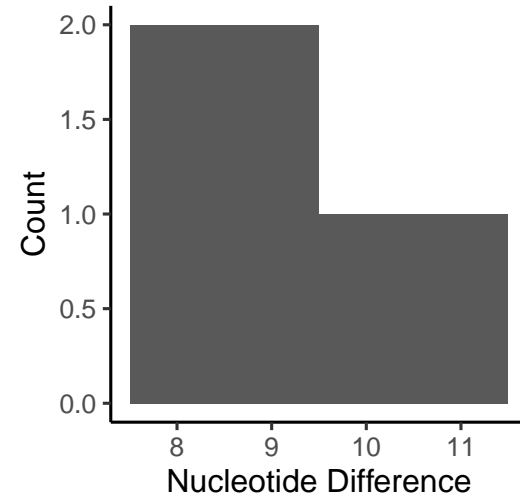
IGHV4-61*08

34 sequences assigned
No exact matches.



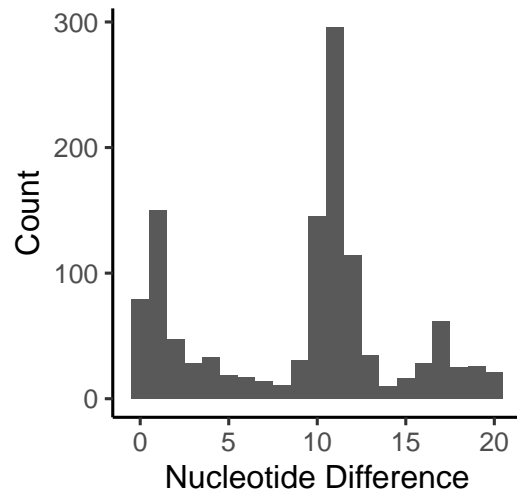
IGHV7-4-1*01

6 sequences assigned
No exact matches.



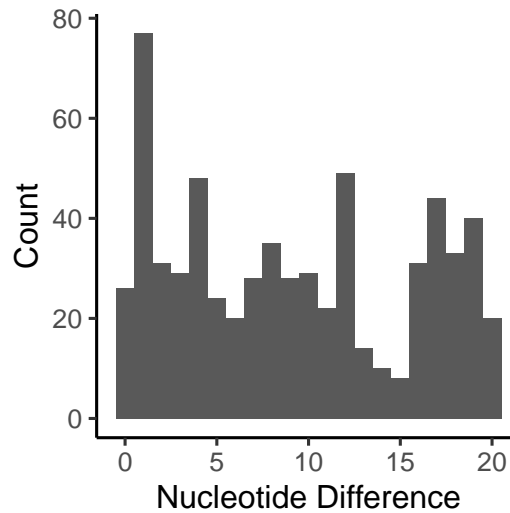
IGHV4-59*01

1645 sequences assigned
79 (4.8%) exact matches, in which:
36 unique CDR3
4 unique J



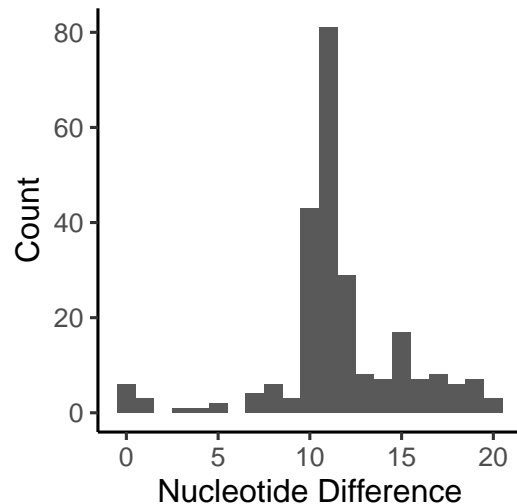
IGHV5-51*01

1336 sequences assigned
26 (1.9%) exact matches, in which:
16 unique CDR3
5 unique J



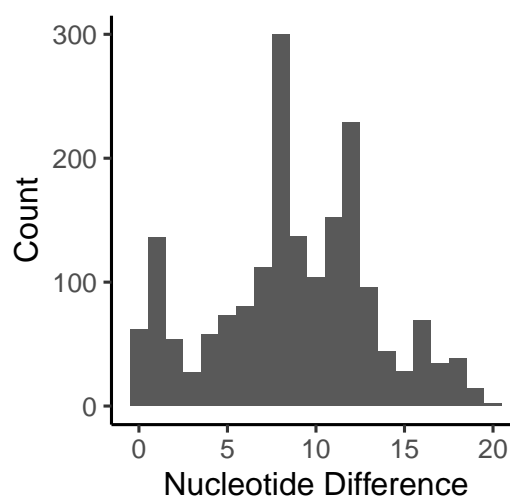
IGHV4-61*01

320 sequences assigned
6 (1.9%) exact matches, in which:
4 unique CDR3
3 unique J



IGHV6-1*01

1885 sequences assigned
62 (3.3%) exact matches, in which:
27 unique CDR3
3 unique J





Warning – no inferred sequences found.