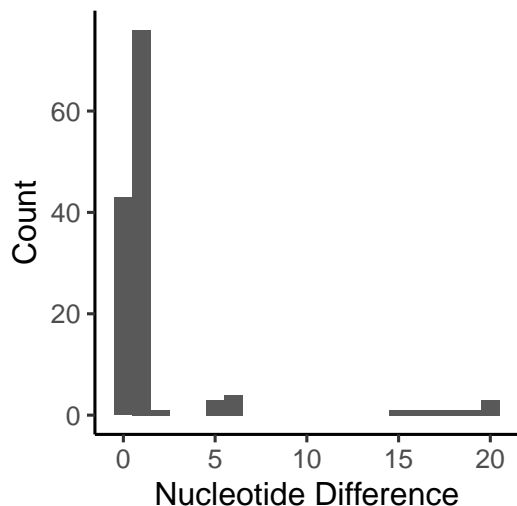


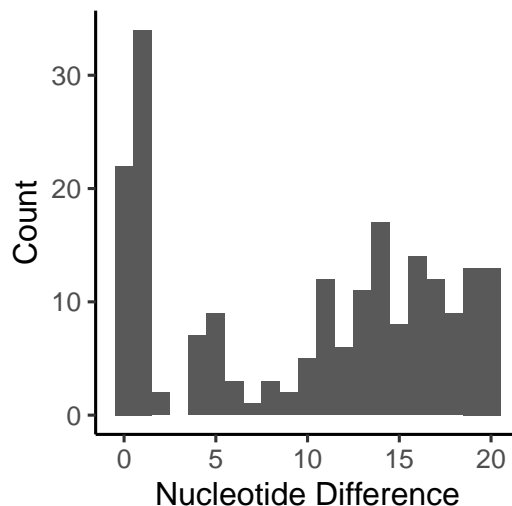
IGHV1-2*05

140 sequences assigned
43 (30.7%) exact matches, in which:
23 unique CDR3
1 unique J



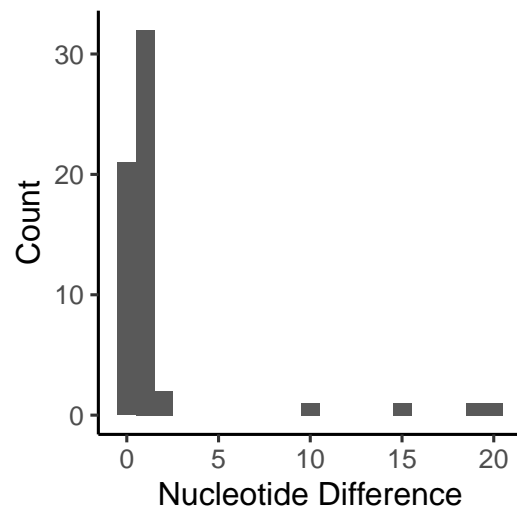
IGHV1-3*01_05

325 sequences assigned
22 (6.8%) exact matches, in which:
17 unique CDR3
4 unique J



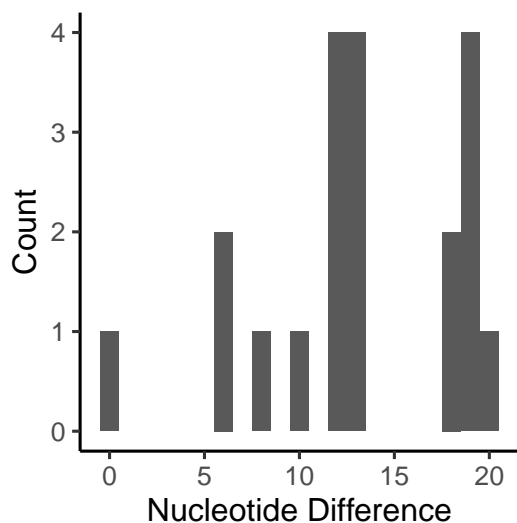
IGHV1-24*01

59 sequences assigned
21 (35.6%) exact matches, in which:
12 unique CDR3
3 unique J



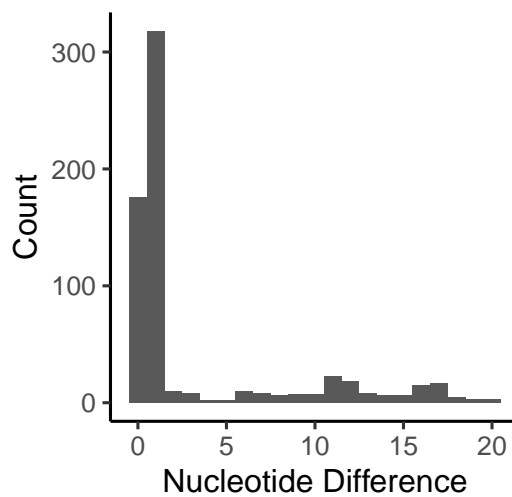
IGHV1-2*06

24 sequences assigned
1 (4.2%) exact matches, in which:
1 unique CDR3
1 unique J



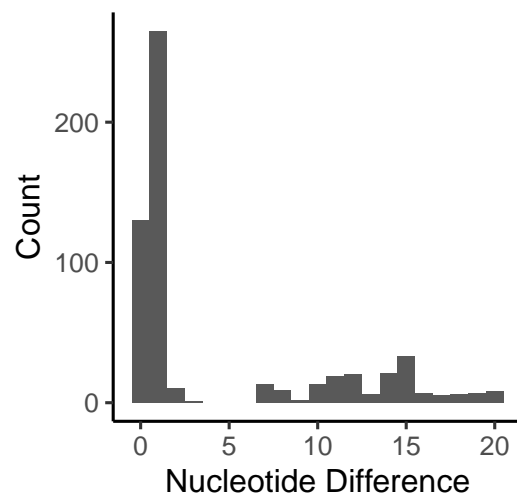
IGHV1-8*01

751 sequences assigned
176 (23.4%) exact matches, in which:
96 unique CDR3
4 unique J



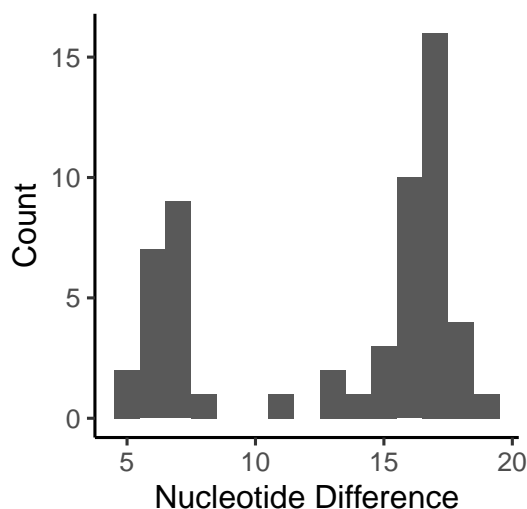
IGHV1-46*01

613 sequences assigned
130 (21.2%) exact matches, in which:
76 unique CDR3
5 unique J



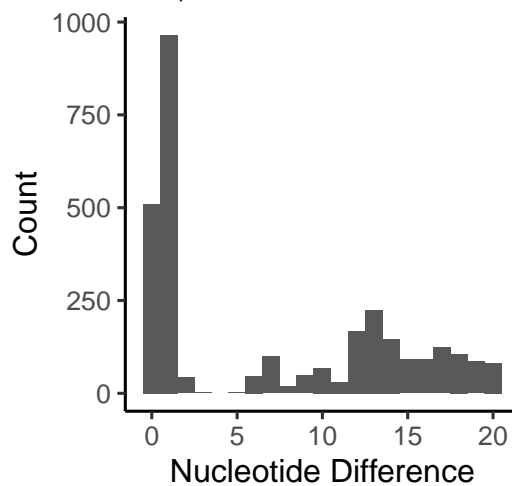
IGHV1-3*04

73 sequences assigned
No exact matches.



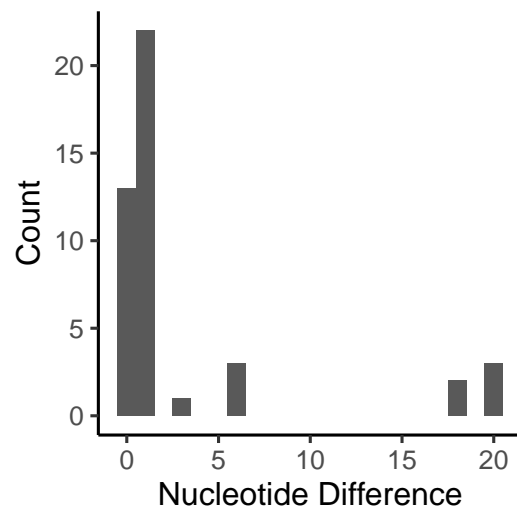
IGHV1-18*01

3770 sequences assigned
510 (13.5%) exact matches, in which:
322 unique CDR3
6 unique J



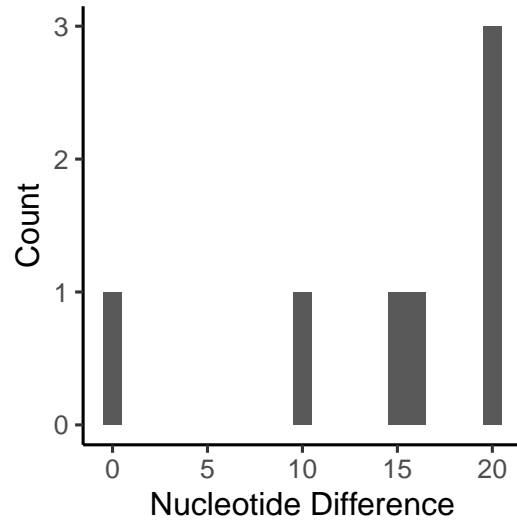
IGHV1-46*03

56 sequences assigned
13 (23.2%) exact matches, in which:
6 unique CDR3
2 unique J



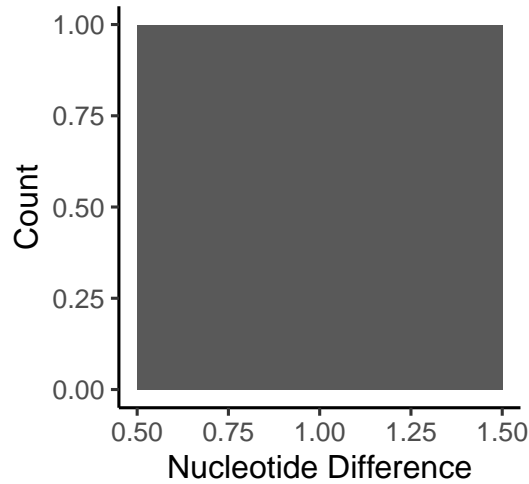
IGHV1-58*01_03

14 sequences assigned
1 (7.1%) exact matches, in which:
1 unique CDR3
1 unique J



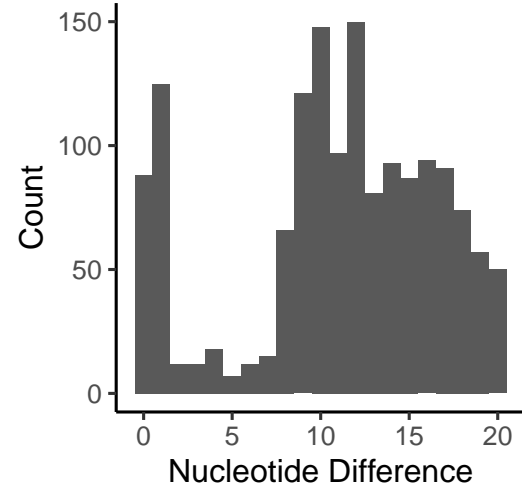
IGHV2-26*01

1 sequences assigned
No exact matches.



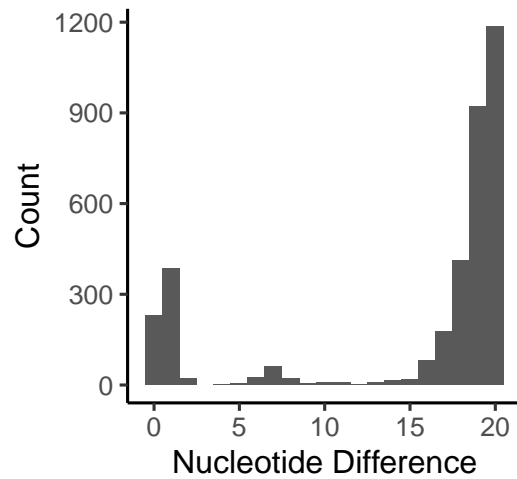
IGHV3-7*01

1887 sequences assigned
88 (4.7%) exact matches, in which:
54 unique CDR3
5 unique J



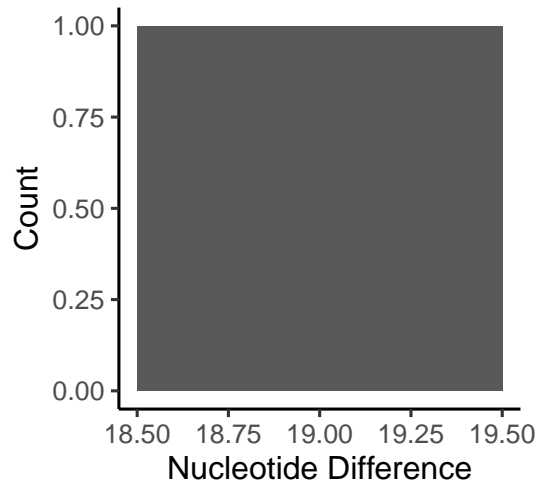
IGHV1-69*01_12_13

5811 sequences assigned
231 (4%) exact matches, in which:
144 unique CDR3
5 unique J



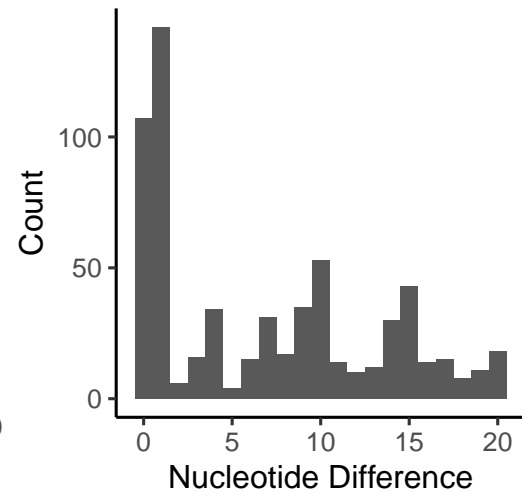
IGHV2-26*03

1 sequences assigned
No exact matches.



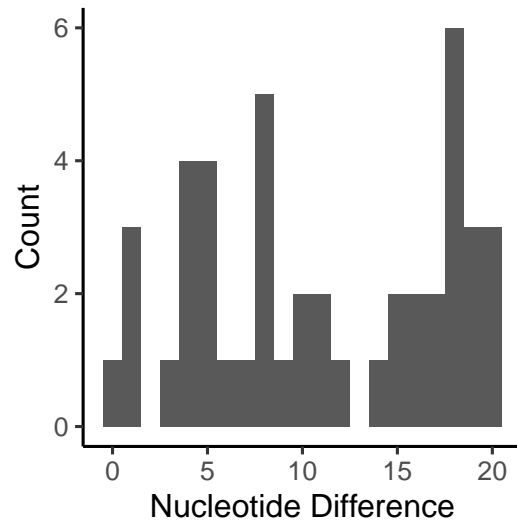
IGHV3-9*01

1606 sequences assigned
107 (6.7%) exact matches, in which:
62 unique CDR3
4 unique J



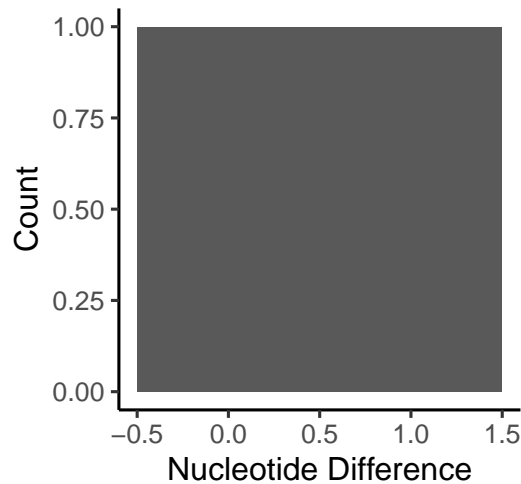
IGHV2-5*02

57 sequences assigned
1 (1.8%) exact matches, in which:
1 unique CDR3
1 unique J



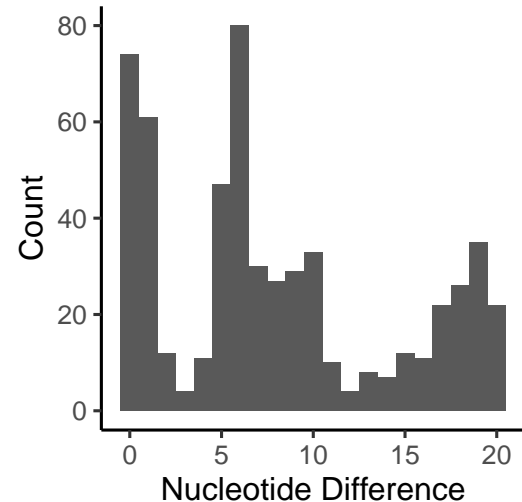
IGHV2-70*01

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



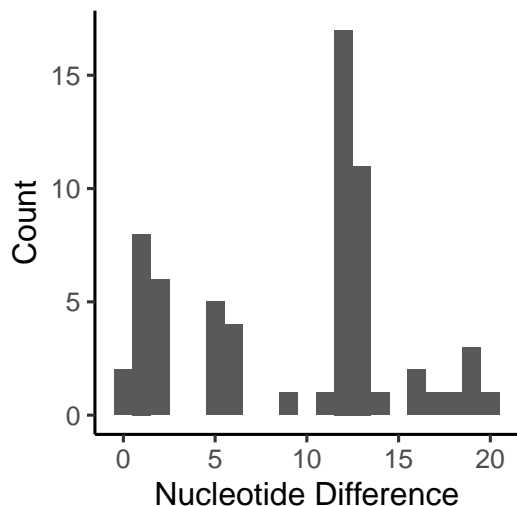
IGHV3-11*01

653 sequences assigned
74 (11.3%) exact matches, in which:
53 unique CDR3
3 unique J



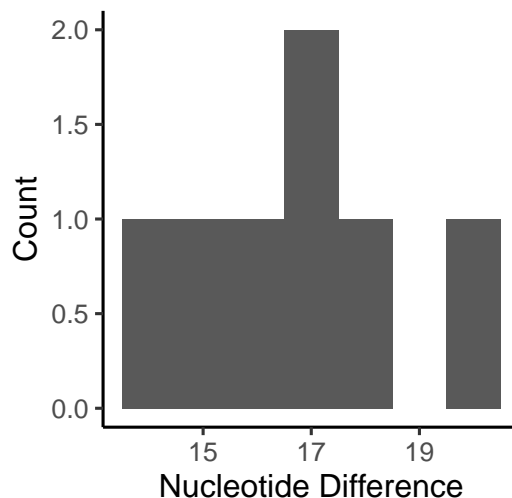
IGHV3-13*01

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



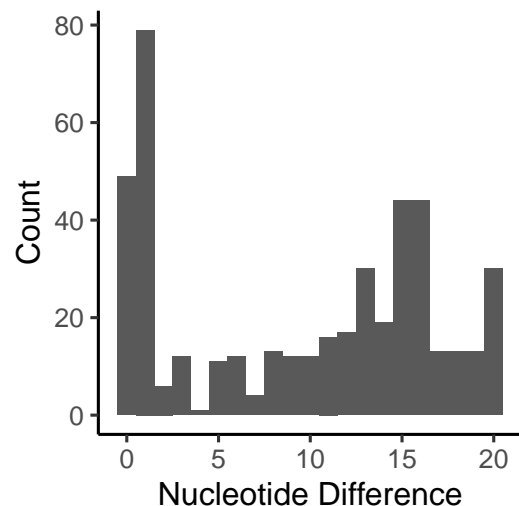
IGHV3-20*03_04

9 sequences assigned
No exact matches.



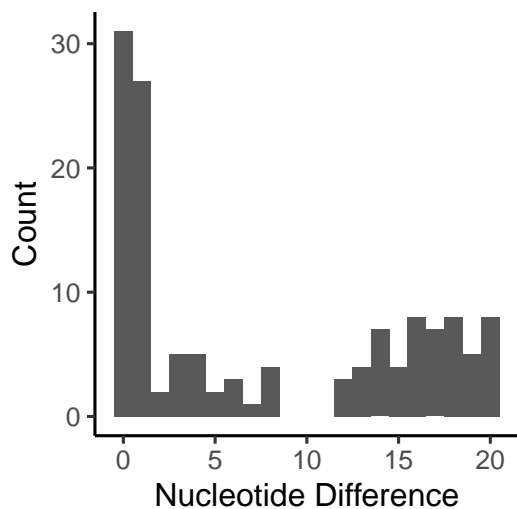
IGHV3-23*03

898 sequences assigned
49 (5.5%) exact matches, in which:
26 unique CDR3
2 unique J



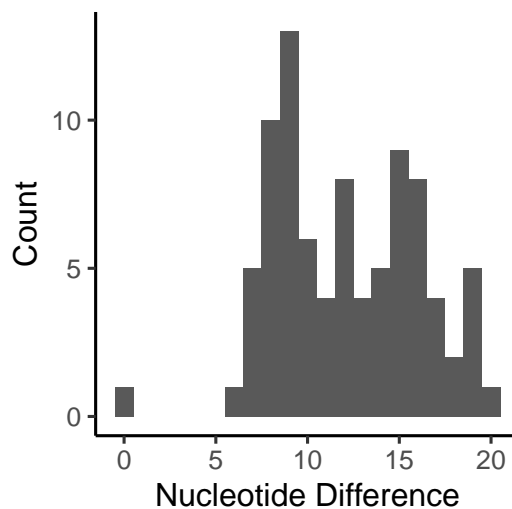
IGHV3-15*01_02

544 sequences assigned
31 (5.7%) exact matches, in which:
22 unique CDR3
4 unique J



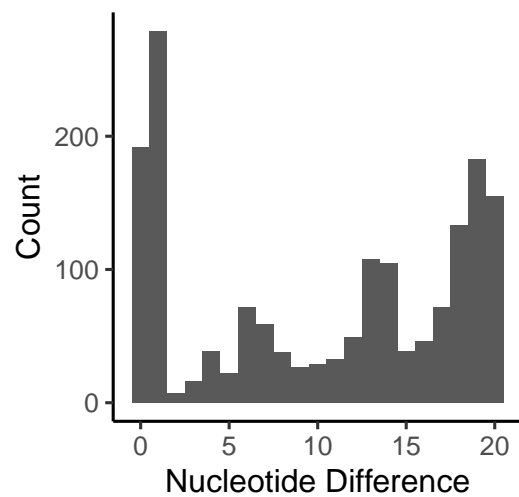
IGHV3-21*04

160 sequences assigned
1 (0.6%) exact matches, in which:
1 unique CDR3
1 unique J



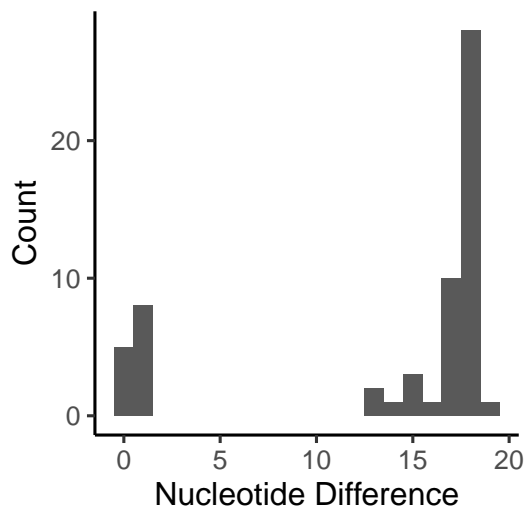
IGHV3-23*01_04

2575 sequences assigned
192 (7.5%) exact matches, in which:
109 unique CDR3
4 unique J



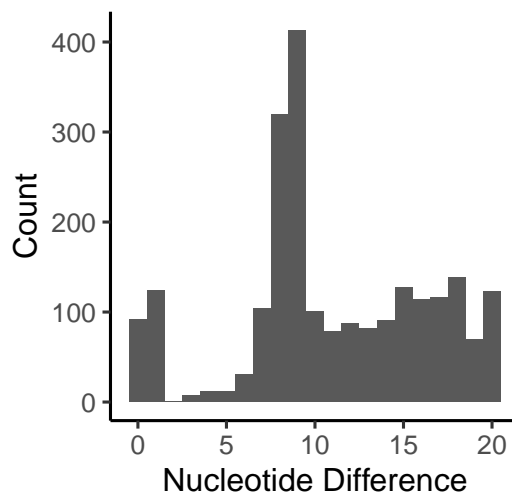
IGHV3-20*01_02

60 sequences assigned
5 (8.3%) exact matches, in which:
4 unique CDR3
2 unique J



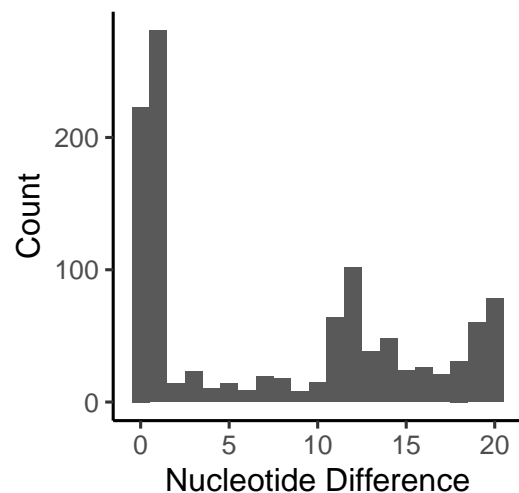
IGHV3-21*01_02

2650 sequences assigned
92 (3.5%) exact matches, in which:
40 unique CDR3
6 unique J



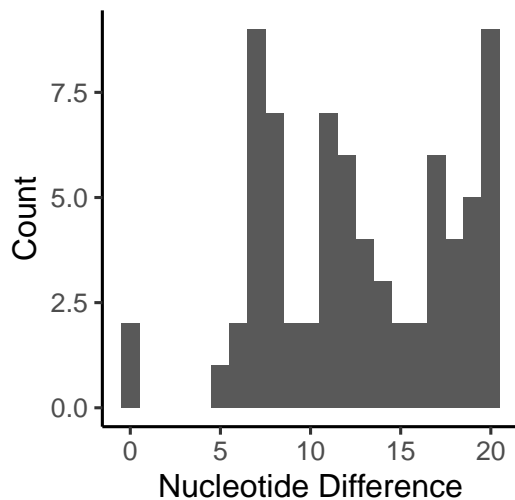
IGHV3-30-3*01

1408 sequences assigned
223 (15.8%) exact matches, in which:
131 unique CDR3
5 unique J



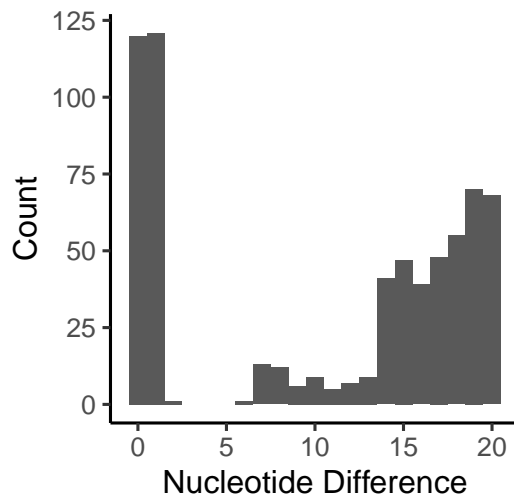
IGHV3-30*03

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



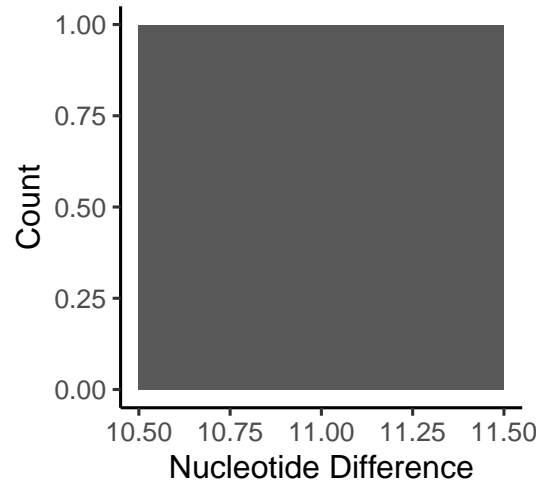
IGHV3-48*02

902 sequences assigned
120 (13.3%) exact matches, in which:
74 unique CDR3
5 unique J



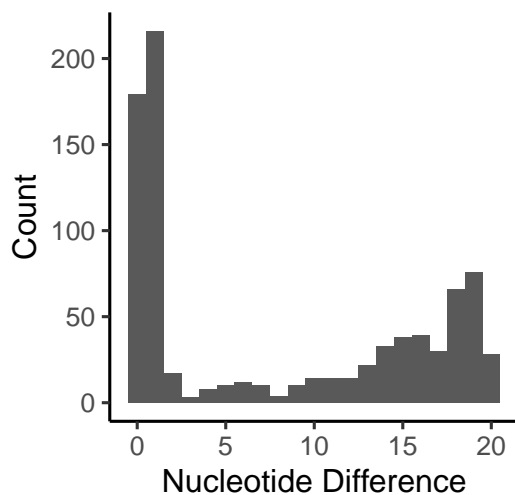
IGHV3-52*01_03

1 sequences assigned
No exact matches.



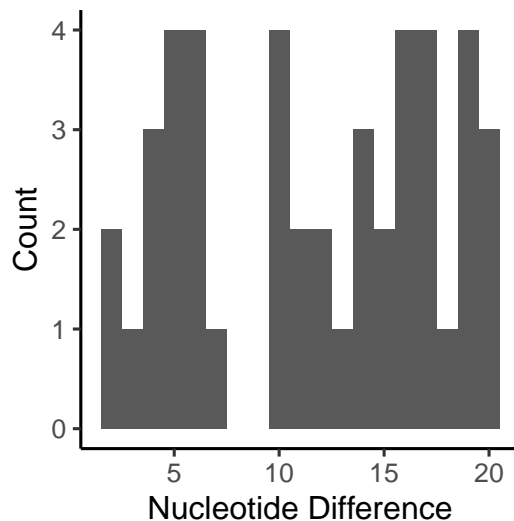
IGHV3-33*01

1005 sequences assigned
179 (17.8%) exact matches, in which:
90 unique CDR3
5 unique J



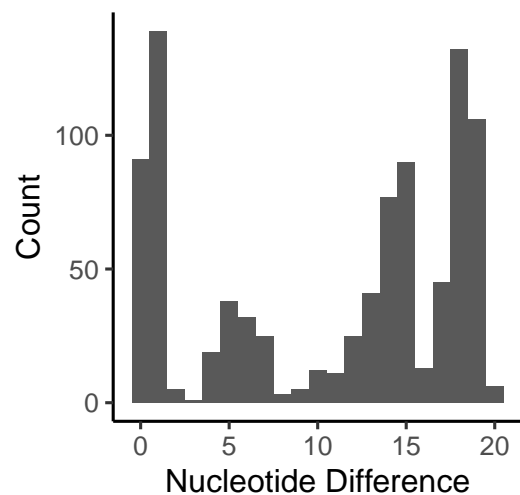
IGHV3-48*04

48 sequences assigned
No exact matches.



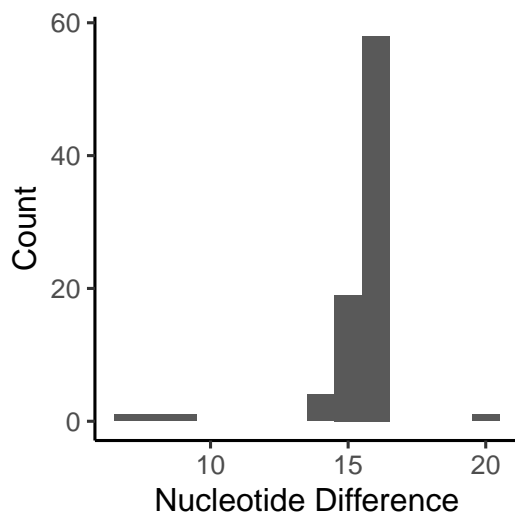
IGHV3-53*01_02

1119 sequences assigned
91 (8.1%) exact matches, in which:
59 unique CDR3
4 unique J



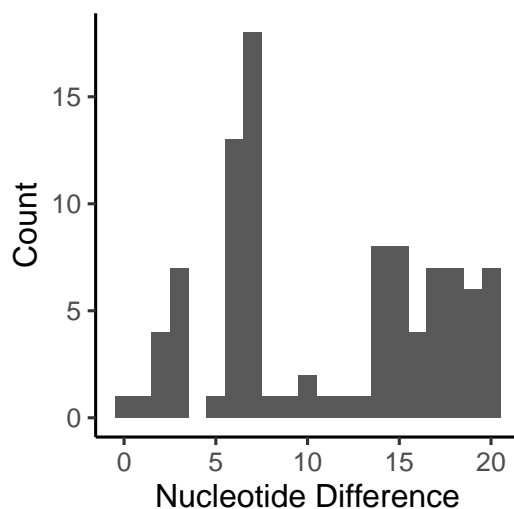
IGHV3-43*01

85 sequences assigned
No exact matches.



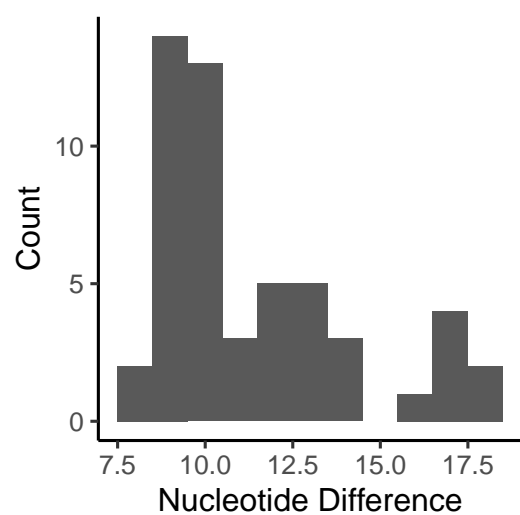
IGHV3-49*03_05

111 sequences assigned
1 (0.9%) exact matches, in which:
1 unique CDR3
1 unique J



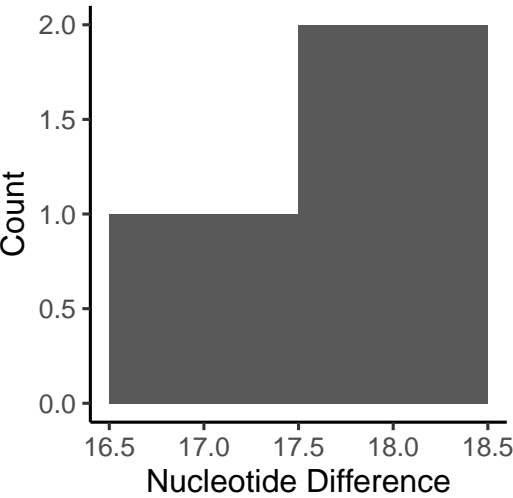
IGHV3-64*02_07

57 sequences assigned
No exact matches.



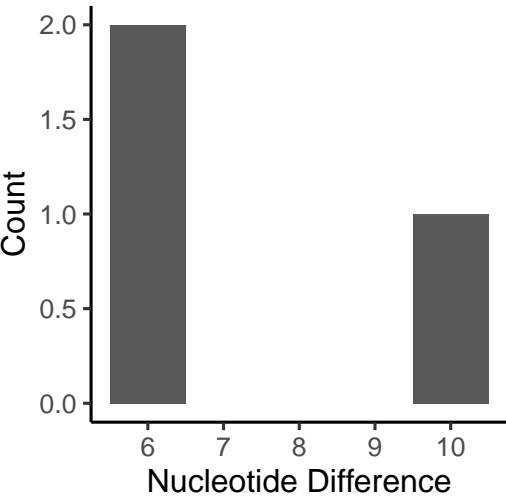
IGHV3-66*01

3 sequences assigned
No exact matches.



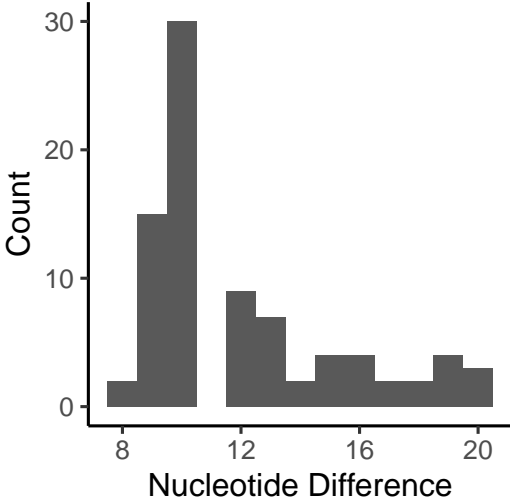
IGHV3-69-1*01

4 sequences assigned
No exact matches.



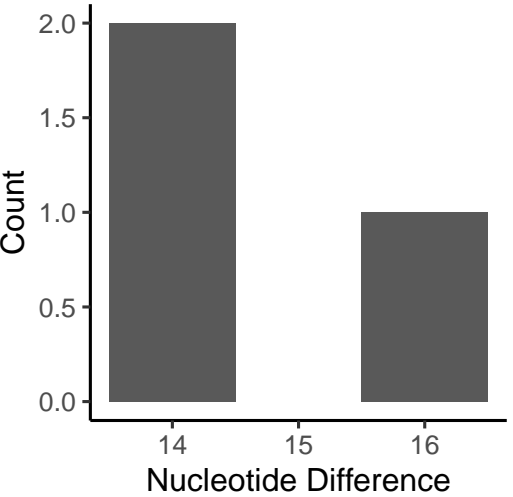
IGHV3-74*03

136 sequences assigned
No exact matches.



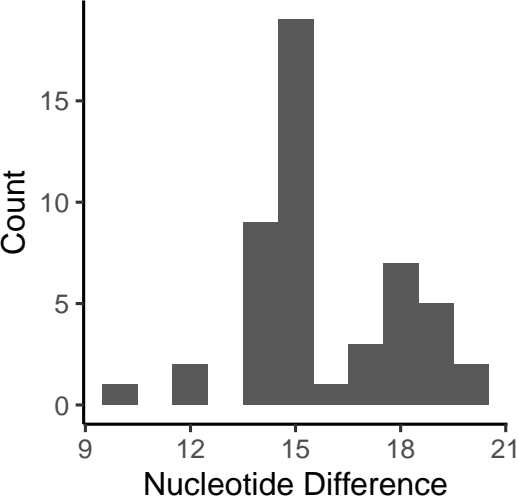
IGHV3-66*02

3 sequences assigned
No exact matches.



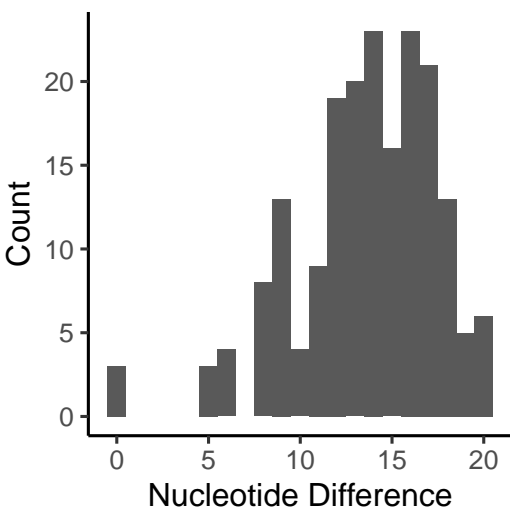
IGHV3-72*01

61 sequences assigned
No exact matches.



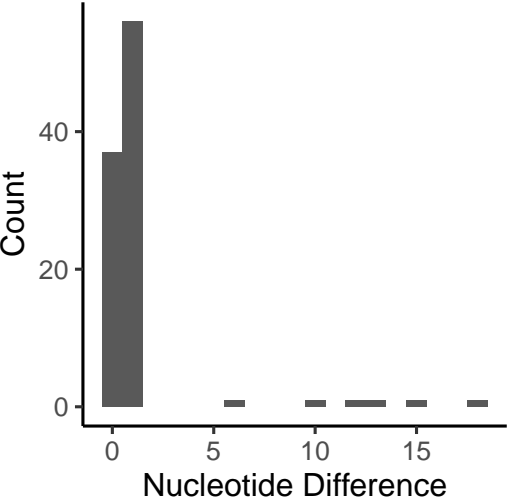
IGHV3-74*01_02

205 sequences assigned
3 (1.5%) exact matches, in which:
3 unique CDR3
3 unique J



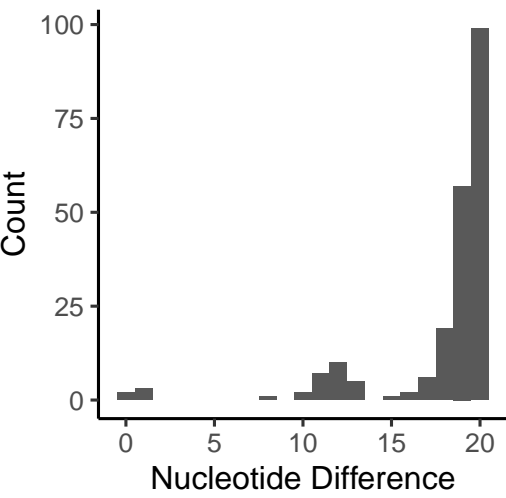
IGHV3-66*03

99 sequences assigned
37 (37.4%) exact matches, in which:
20 unique CDR3
1 unique J



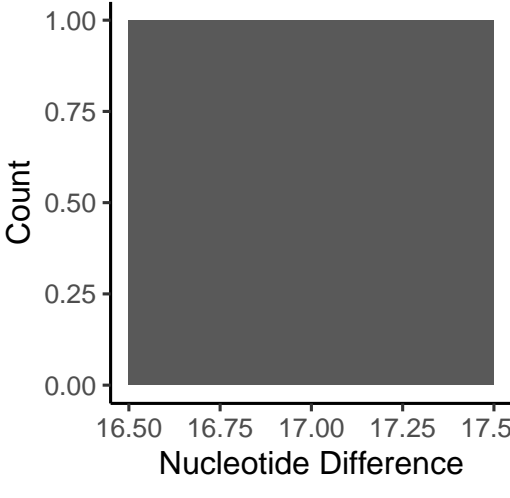
IGHV3-73*01_02

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



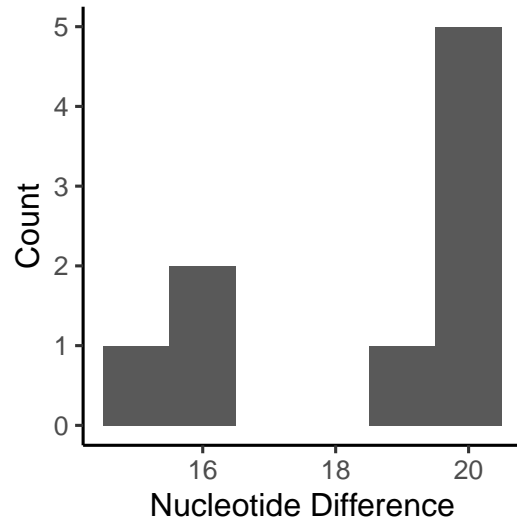
IGHV4-4*01

1 sequences assigned
No exact matches.



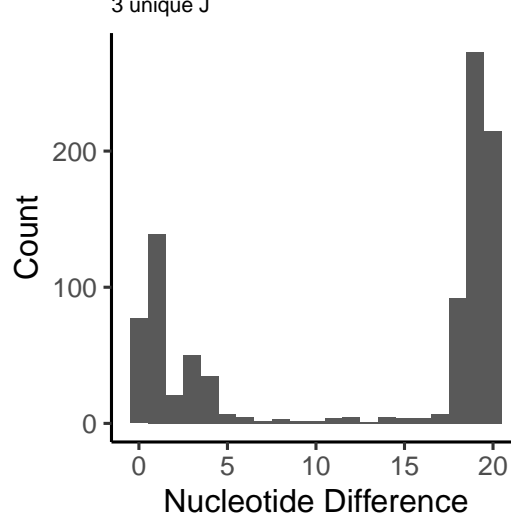
IGHV4-4*08

13 sequences assigned
No exact matches.



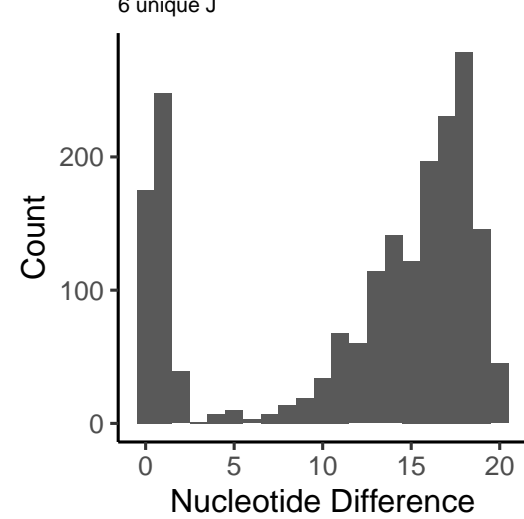
IGHV4-30-2*01

1127 sequences assigned
77 (6.8%) exact matches, in which:
41 unique CDR3
3 unique J



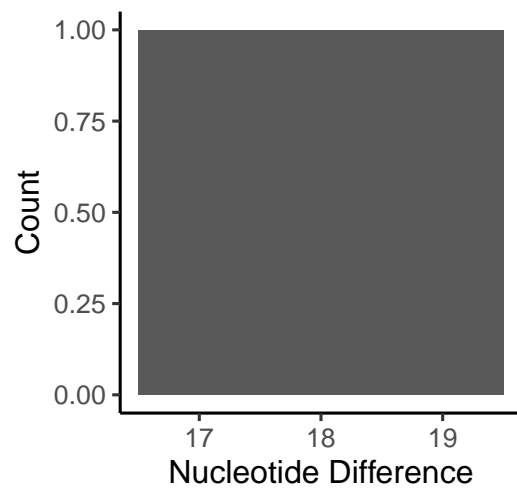
IGHV4-34*01_02

2299 sequences assigned
175 (7.6%) exact matches, in which:
107 unique CDR3
6 unique J



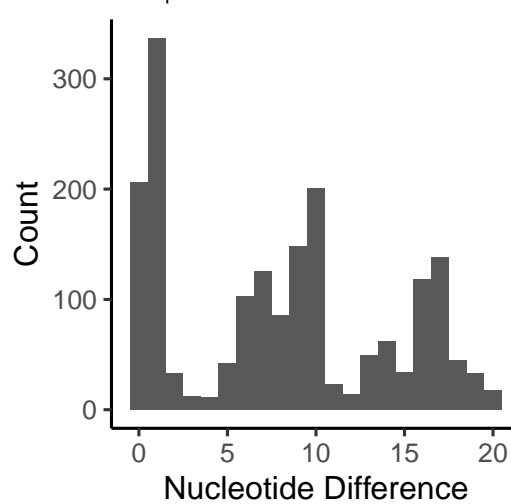
IGHV4-4*09

7 sequences assigned
No exact matches.



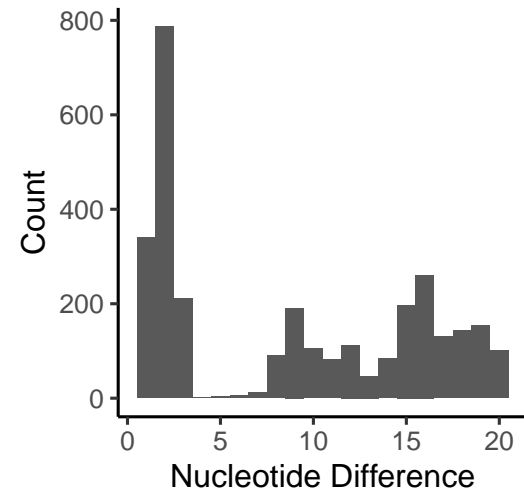
IGHV4-30-4*01

2341 sequences assigned
206 (8.8%) exact matches, in which:
115 unique CDR3
5 unique J



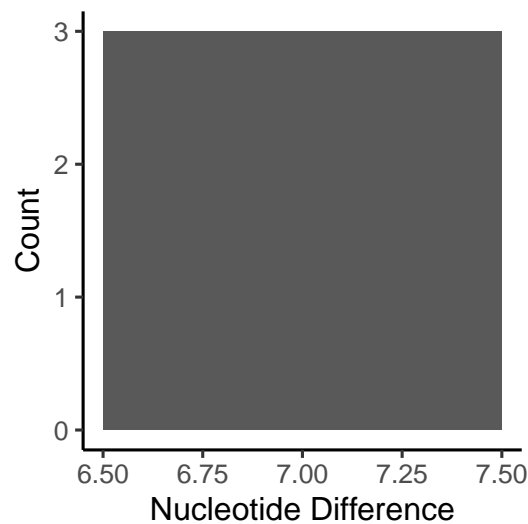
IGHV4-39*02

4491 sequences assigned
No exact matches.



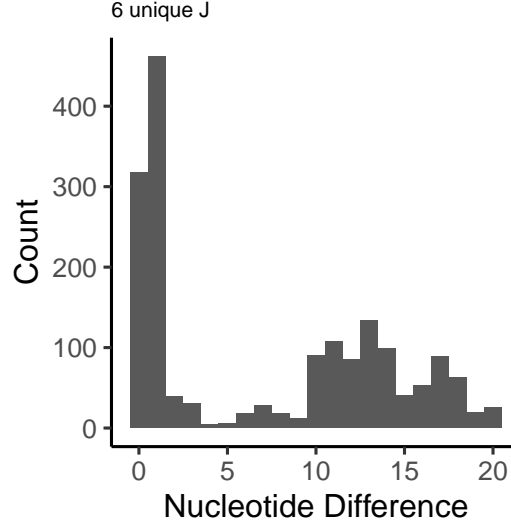
IGHV4-28*01_07

3 sequences assigned
No exact matches.



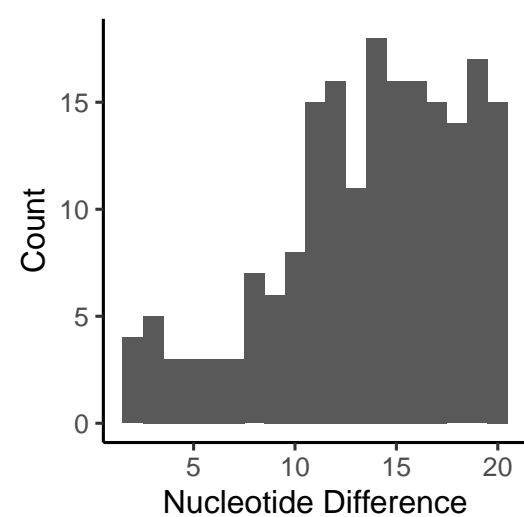
IGHV4-31*02

2294 sequences assigned
318 (13.9%) exact matches, in which:
190 unique CDR3
6 unique J



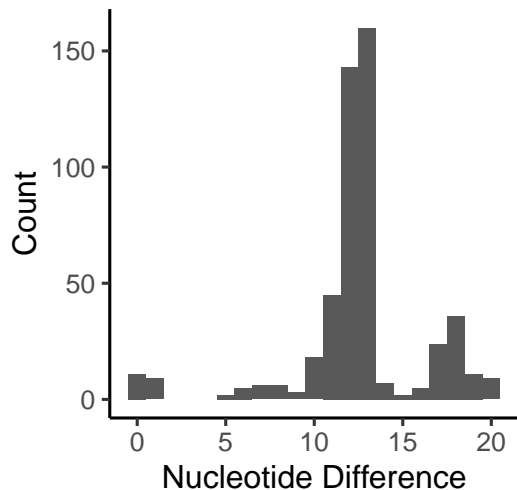
IGHV4-39*07

302 sequences assigned
No exact matches.



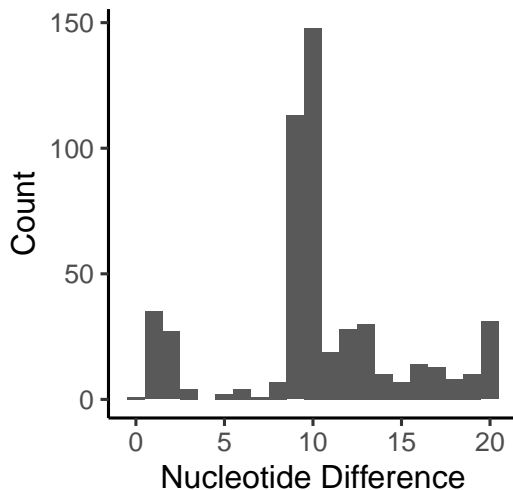
IGHV4-39*01_05

561 sequences assigned
11 (2%) exact matches, in which:
8 unique CDR3
3 unique J



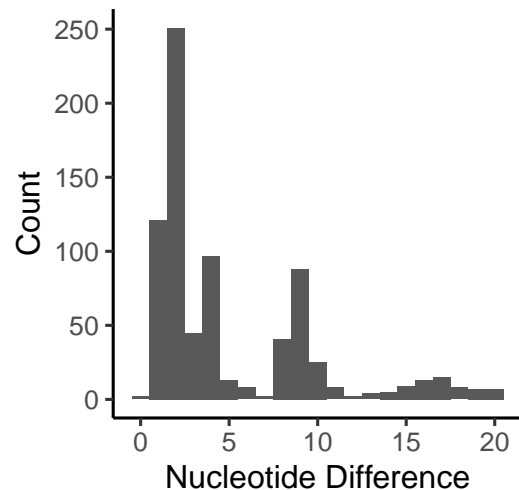
IGHV4-59*11

1078 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



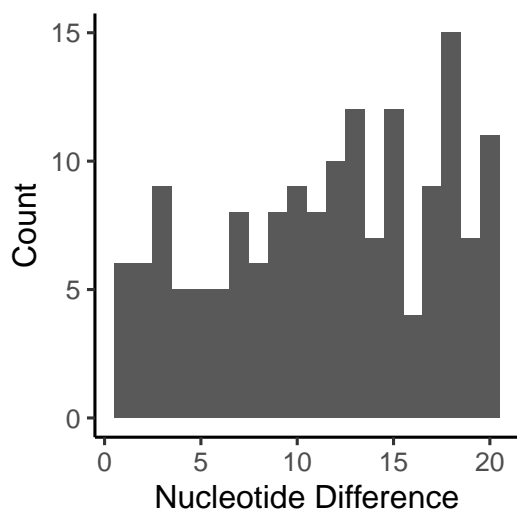
IGHV5-51*07

907 sequences assigned
2 (0.2%) exact matches, in which:
1 unique CDR3
1 unique J



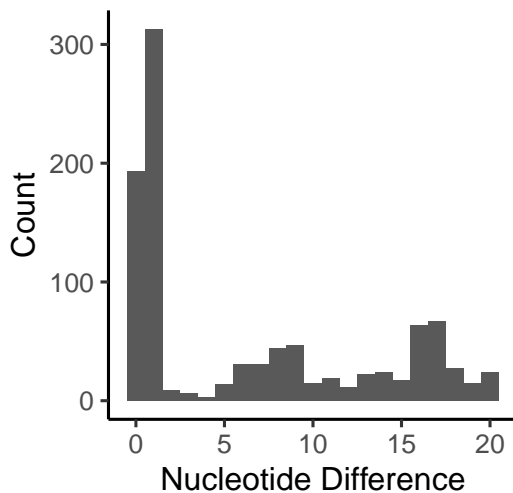
IGHV4-59*08

262 sequences assigned
No exact matches.



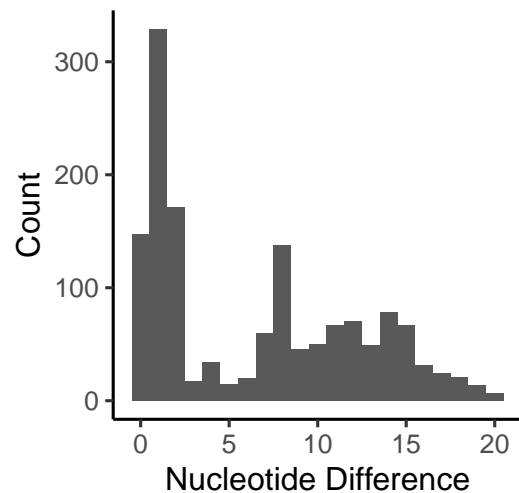
IGHV4-61*01

1272 sequences assigned
193 (15.2%) exact matches, in which:
110 unique CDR3
4 unique J



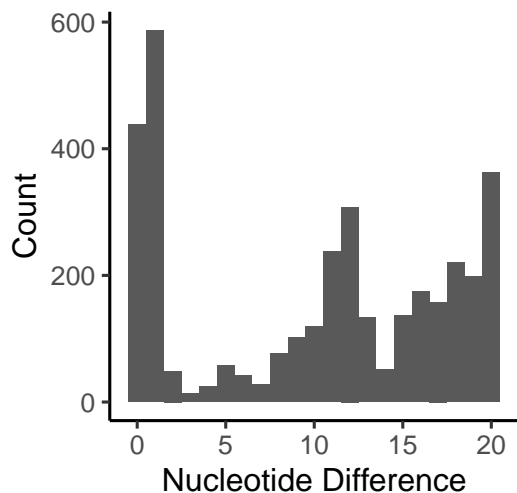
IGHV5-51*01_03

1643 sequences assigned
147 (8.9%) exact matches, in which:
89 unique CDR3
5 unique J



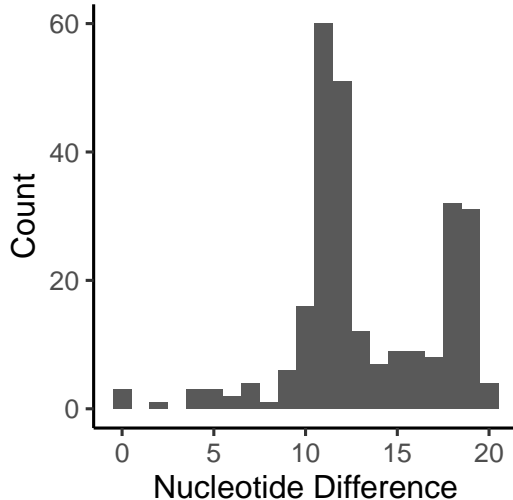
IGHV4-59*01_07

5319 sequences assigned
439 (8.3%) exact matches, in which:
268 unique CDR3
7 unique J



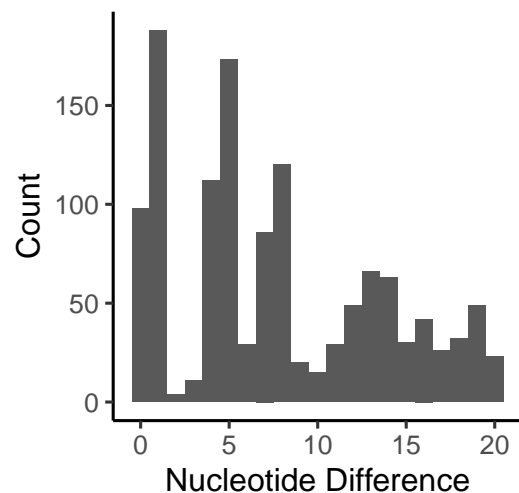
IGHV4-61*08

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



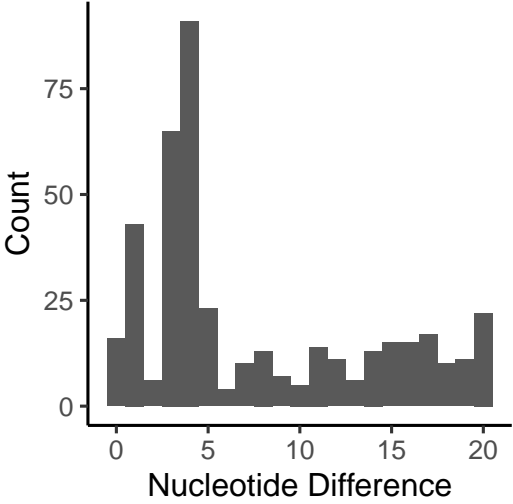
IGHV6-1*01_02

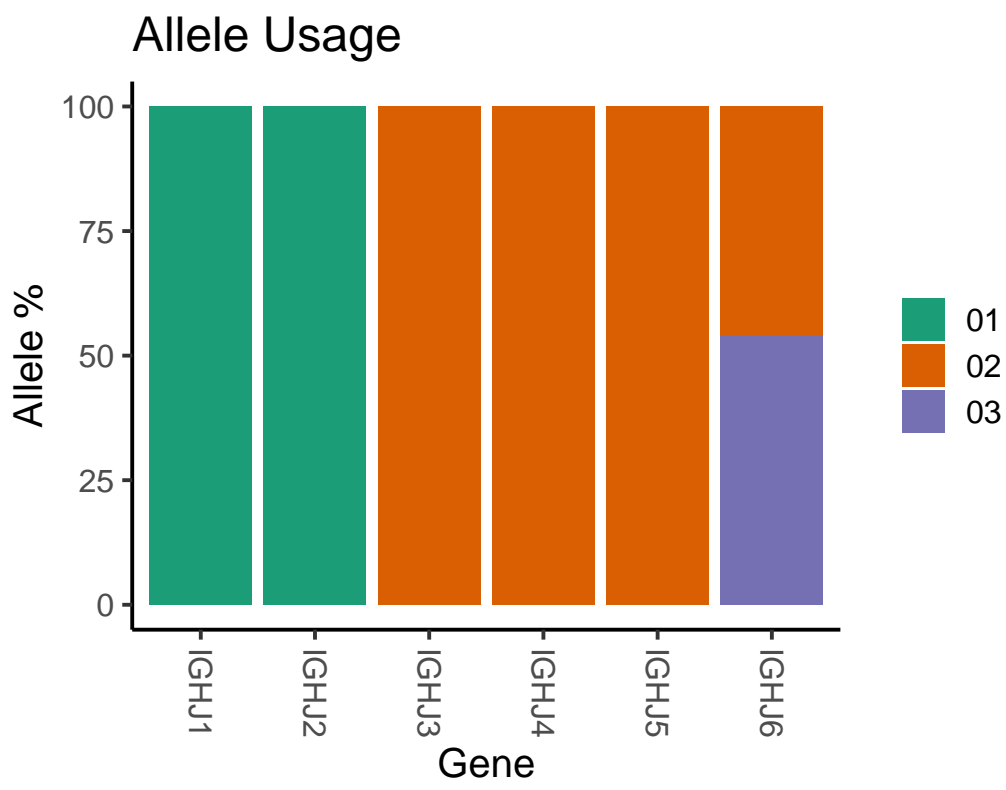
1779 sequences assigned
98 (5.5%) exact matches, in which:
56 unique CDR3
2 unique J



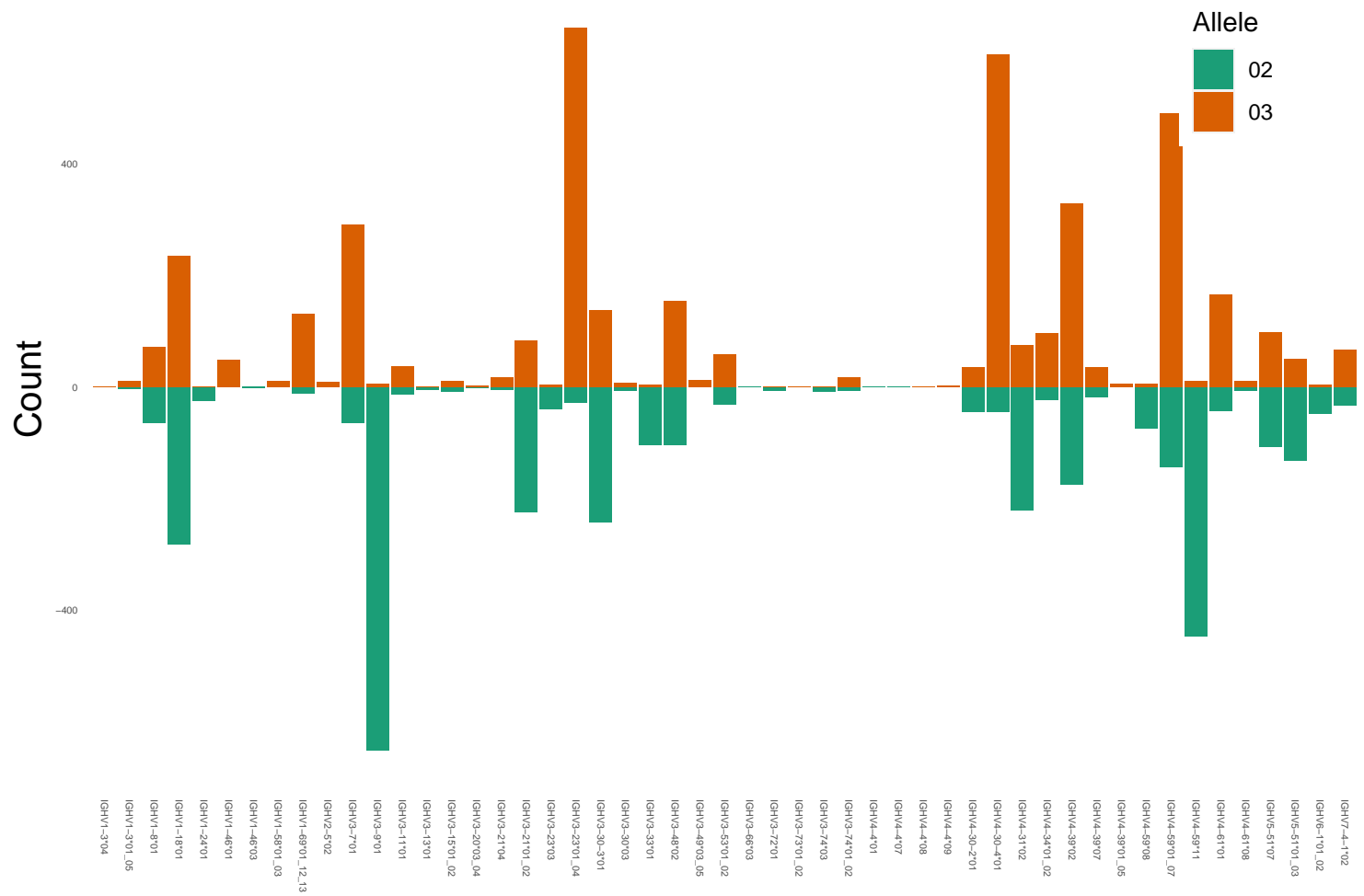
IGHV7-4-1*02

758 sequences assigned
16 (2.1%) exact matches, in which:
16 unique CDR3
5 unique J





Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.