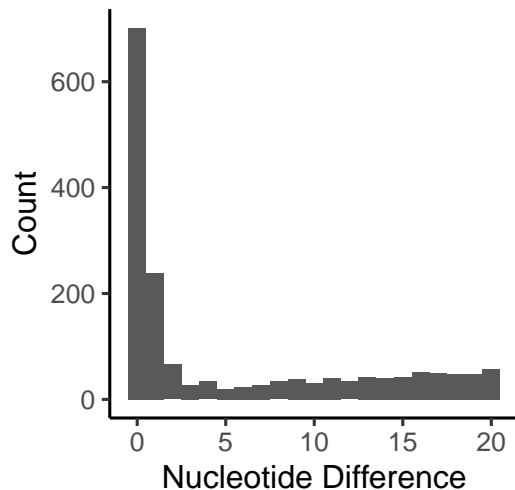


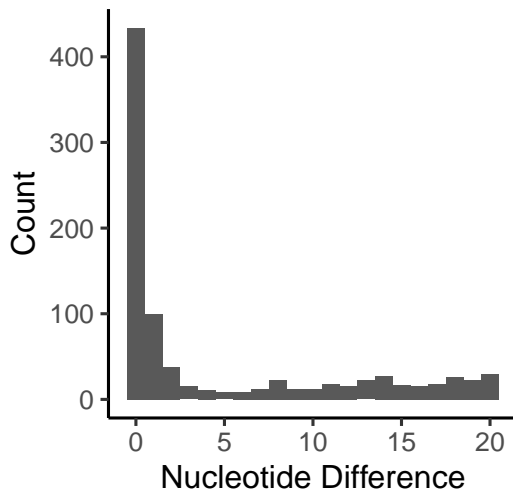
IGHV1-2*02

3557 sequences assigned
702 (19.7%) exact matches, in which:
684 unique CDR3
6 unique J



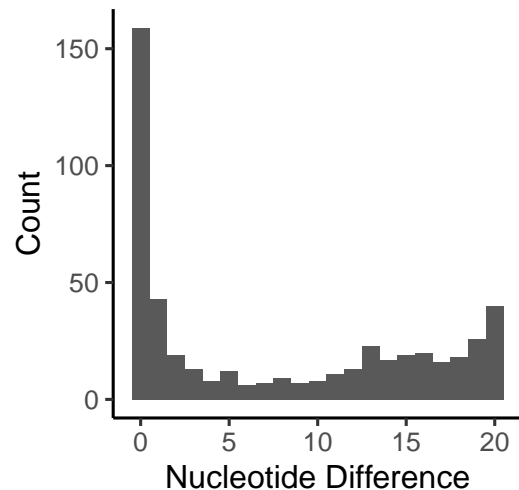
IGHV1-18*01

1574 sequences assigned
434 (27.6%) exact matches, in which:
426 unique CDR3
6 unique J



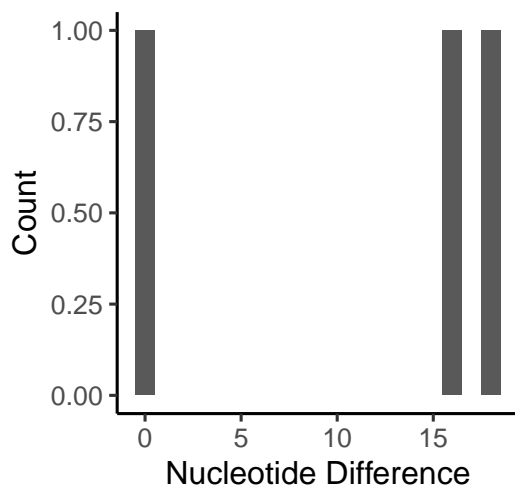
IGHV1-46*01

956 sequences assigned
159 (16.6%) exact matches, in which:
154 unique CDR3
5 unique J



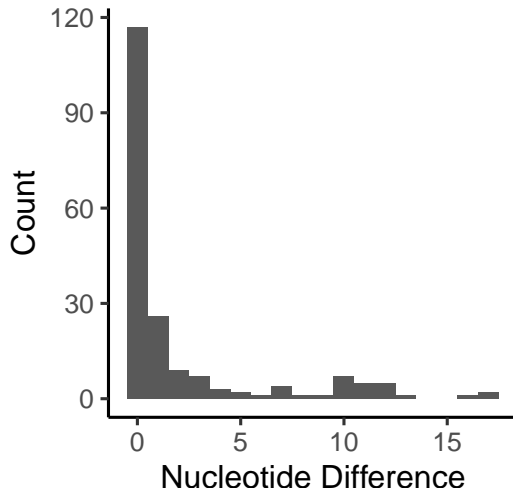
IGHV1-3*02

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



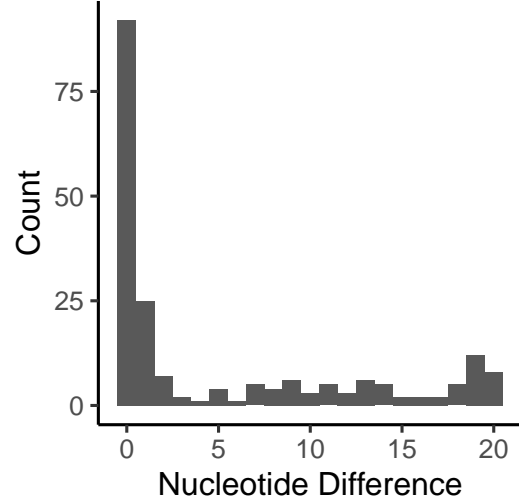
IGHV1-24*01

226 sequences assigned
117 (51.8%) exact matches, in which:
114 unique CDR3
6 unique J



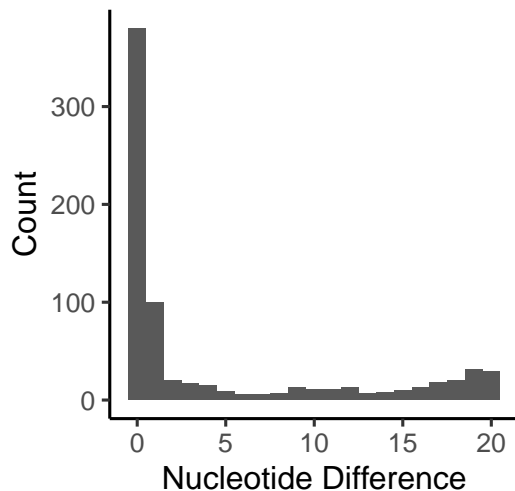
IGHV1-46*03

262 sequences assigned
92 (35.1%) exact matches, in which:
89 unique CDR3
5 unique J



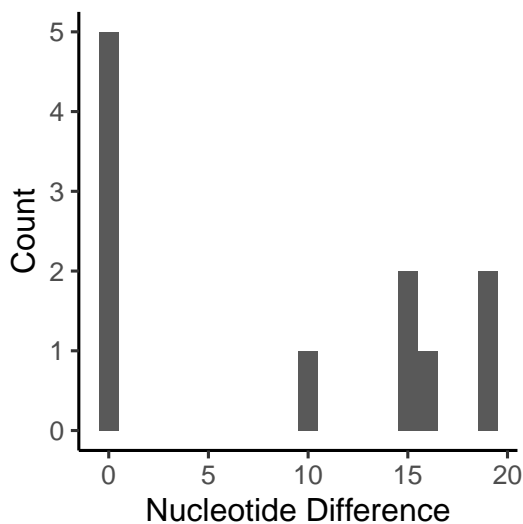
IGHV1-8*01

1403 sequences assigned
380 (27.1%) exact matches, in which:
373 unique CDR3
5 unique J



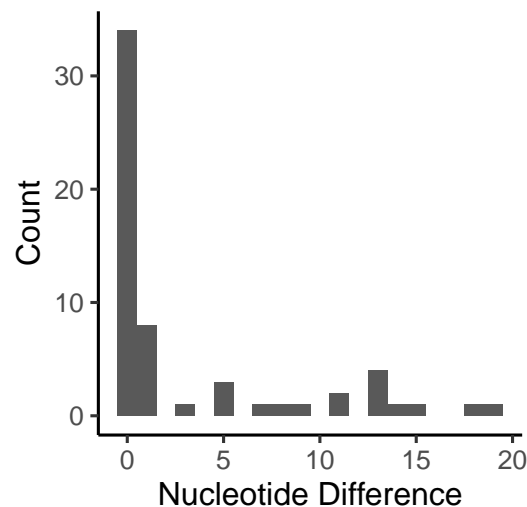
IGHV1-45*02

14 sequences assigned
5 (35.7%) exact matches, in which:
5 unique CDR3
3 unique J



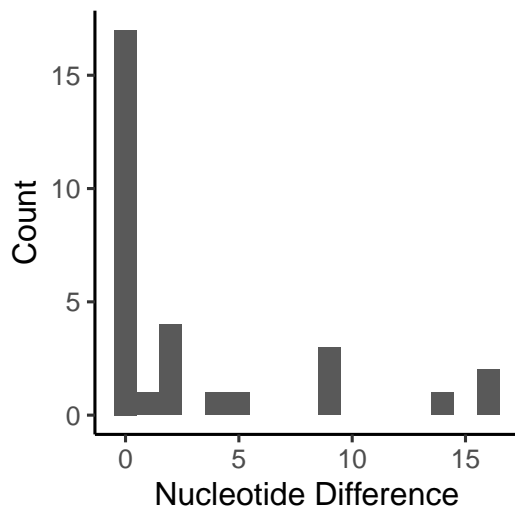
IGHV1-58*01

80 sequences assigned
34 (42.5%) exact matches, in which:
33 unique CDR3
4 unique J



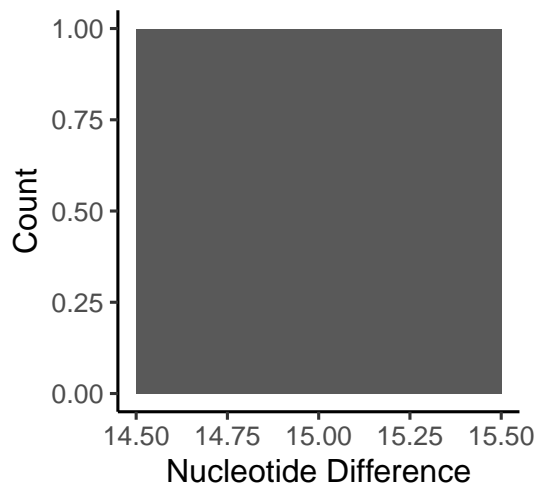
IGHV1-58*02

36 sequences assigned
17 (47.2%) exact matches, in which:
16 unique CDR3
4 unique J



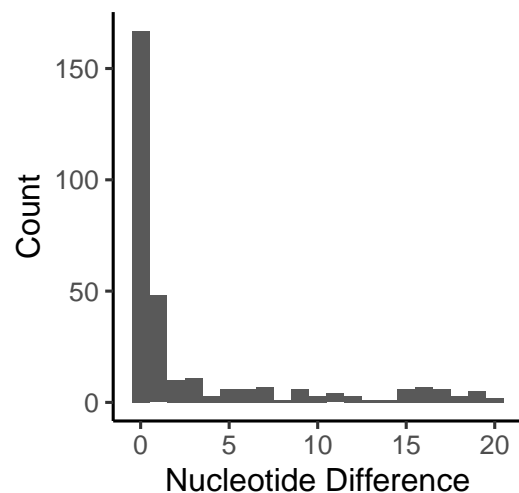
IGHV1-NL1*01

1 sequences assigned
No exact matches.



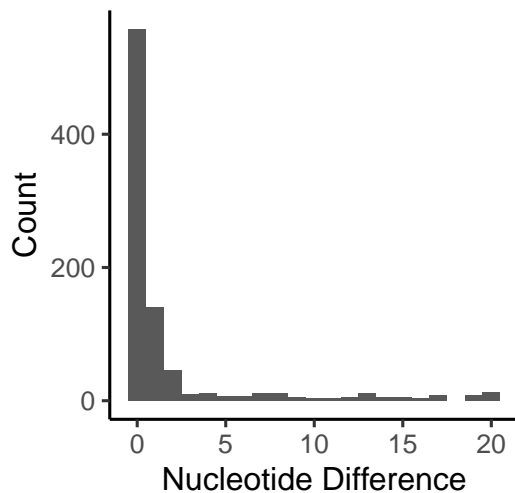
IGHV2-26*01

359 sequences assigned
167 (46.5%) exact matches, in which:
165 unique CDR3
6 unique J



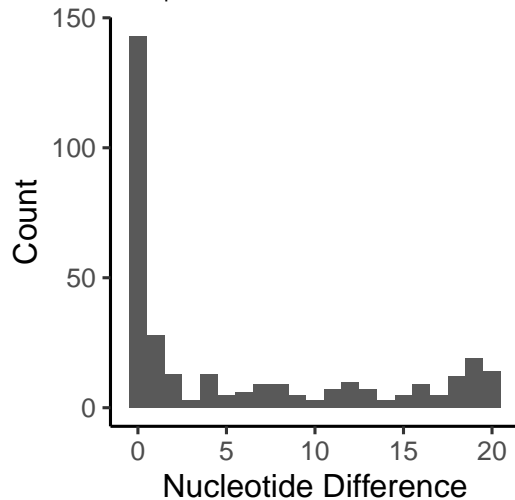
IGHV1-69*01

2195 sequences assigned
558 (25.4%) exact matches, in which:
537 unique CDR3
6 unique J



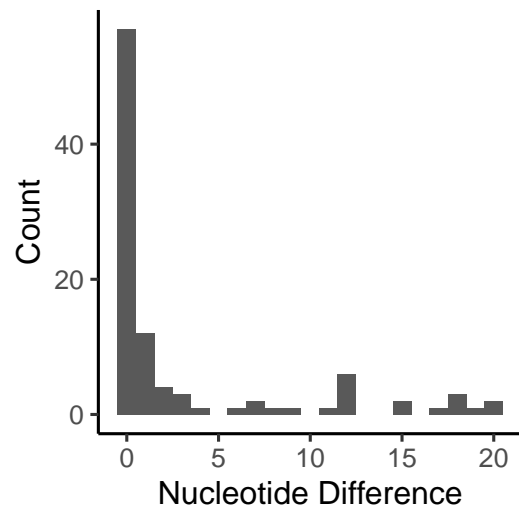
IGHV2-5*01

437 sequences assigned
143 (32.7%) exact matches, in which:
141 unique CDR3
5 unique J



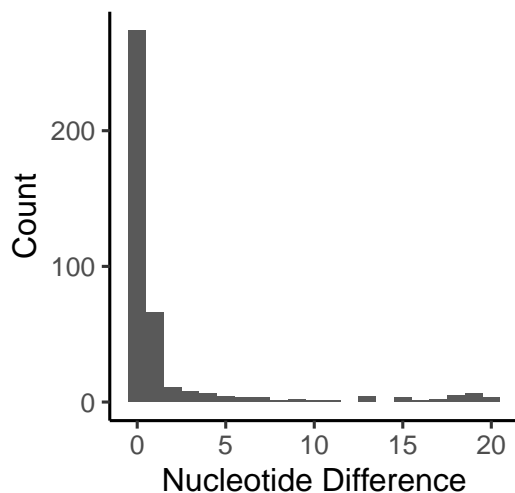
IGHV2-70*01

119 sequences assigned
57 (47.9%) exact matches, in which:
56 unique CDR3
4 unique J



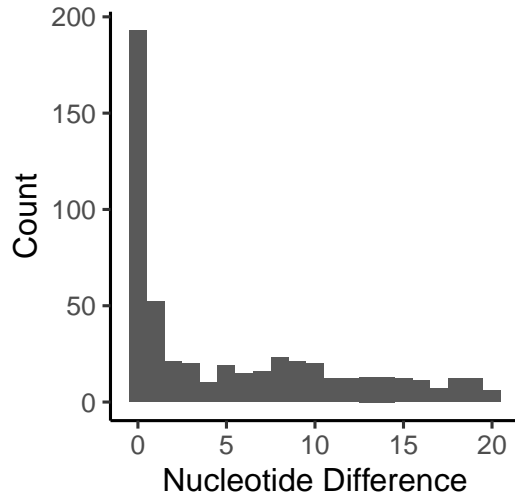
IGHV1-69*04

553 sequences assigned
274 (49.5%) exact matches, in which:
266 unique CDR3
6 unique J



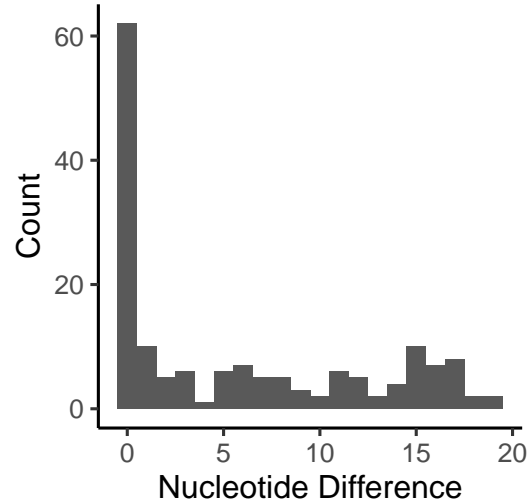
IGHV2-5*02

761 sequences assigned
193 (25.4%) exact matches, in which:
192 unique CDR3
6 unique J



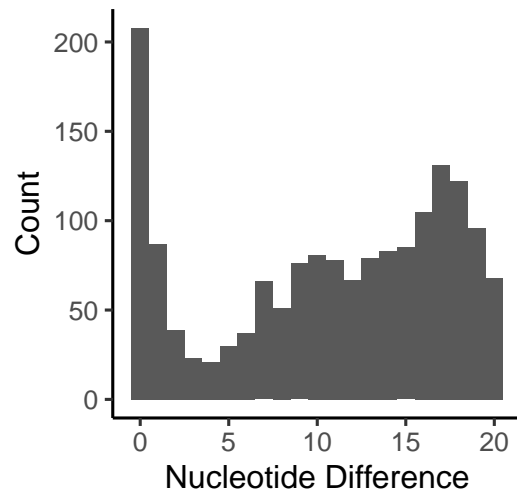
IGHV2-70*15

189 sequences assigned
62 (32.8%) exact matches, in which:
62 unique CDR3
4 unique J



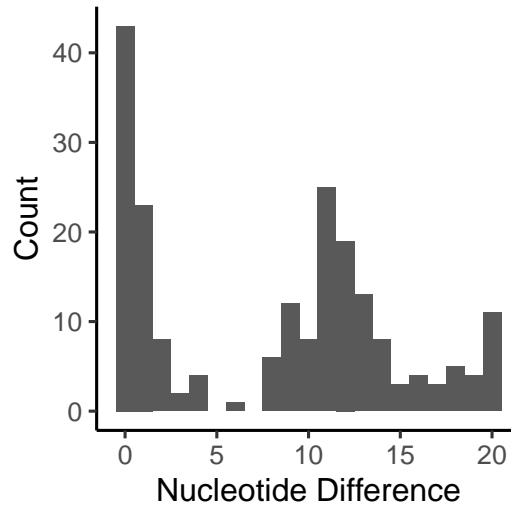
IGHV3-7*01

3980 sequences assigned
208 (5.2%) exact matches, in which:
195 unique CDR3
6 unique J



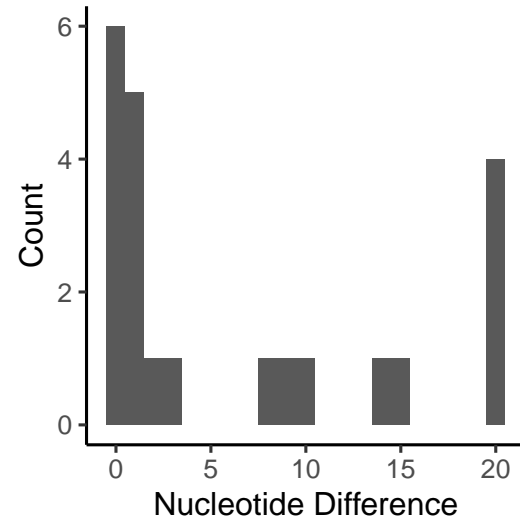
IGHV3-13*01

307 sequences assigned
43 (14%) exact matches, in which:
43 unique CDR3
5 unique J



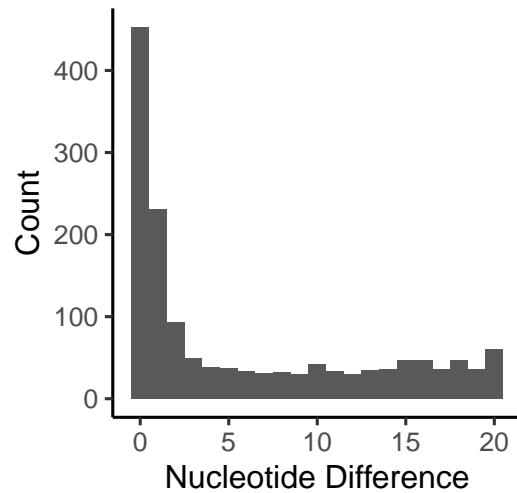
IGHV3-20*01

28 sequences assigned
6 (21.4%) exact matches, in which:
6 unique CDR3
3 unique J



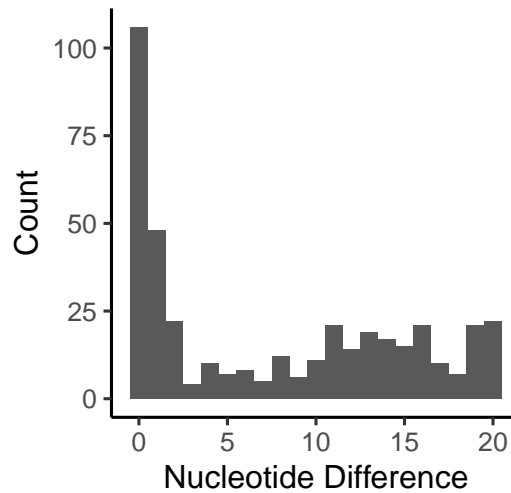
IGHV3-9*01

2399 sequences assigned
453 (18.9%) exact matches, in which:
432 unique CDR3
6 unique J



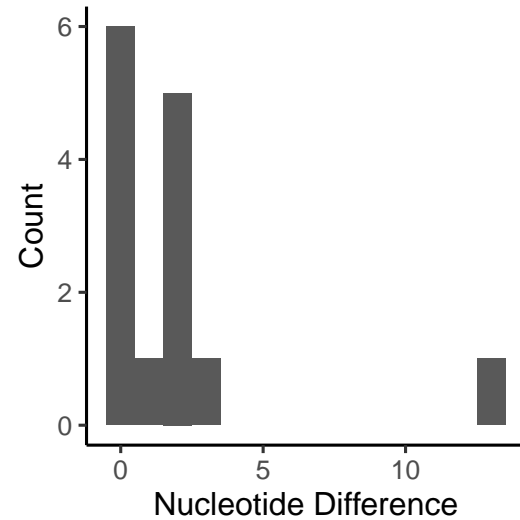
IGHV3-15*01

746 sequences assigned
106 (14.2%) exact matches, in which:
94 unique CDR3
4 unique J



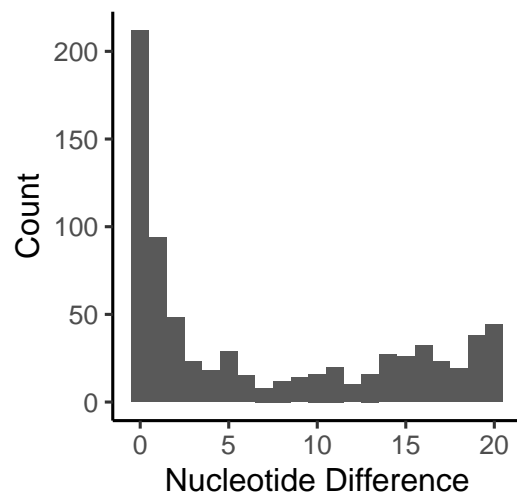
IGHV3-20*04

22 sequences assigned
6 (27.3%) exact matches, in which:
6 unique CDR3
2 unique J



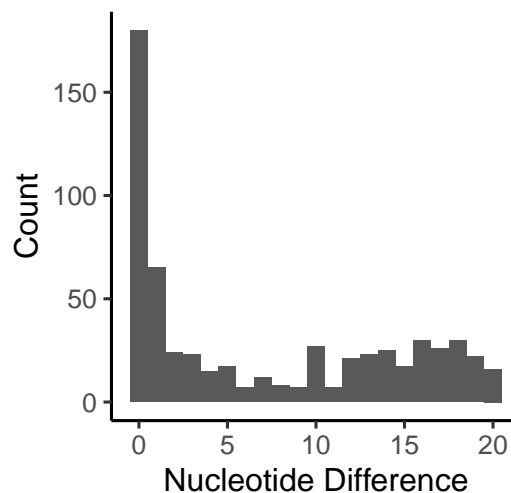
IGHV3-11*01

1117 sequences assigned
212 (19%) exact matches, in which:
194 unique CDR3
6 unique J



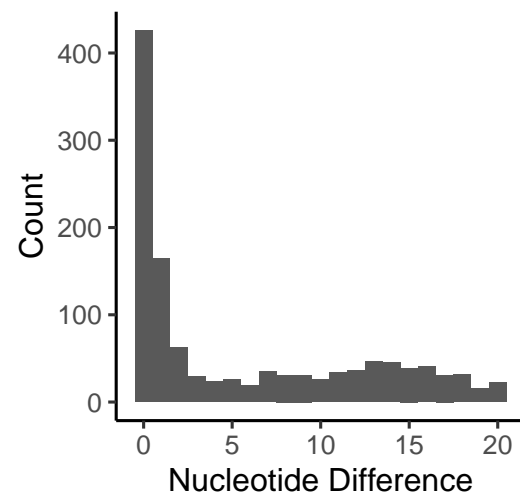
IGHV3-15*07

1283 sequences assigned
180 (14%) exact matches, in which:
177 unique CDR3
6 unique J



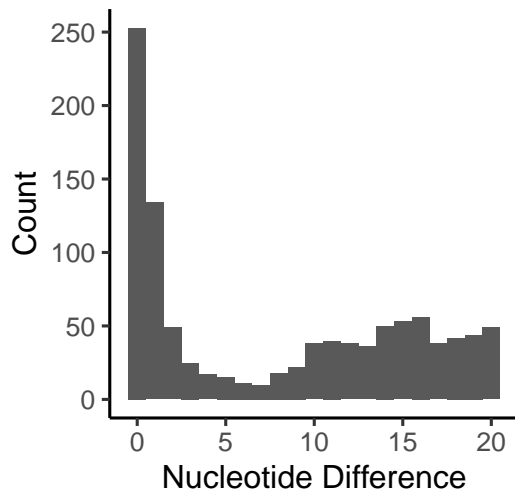
IGHV3-21*01

1774 sequences assigned
426 (24%) exact matches, in which:
402 unique CDR3
6 unique J



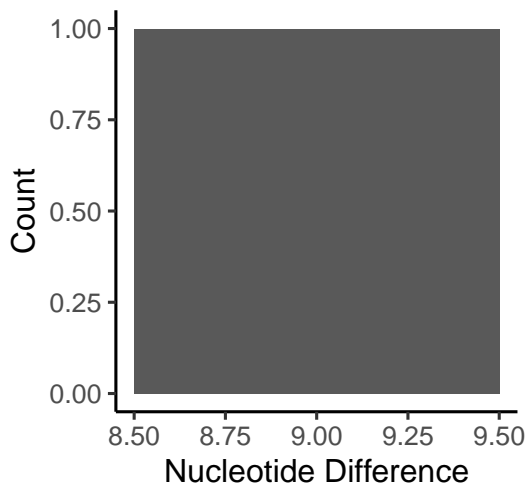
IGHV3-23*01

2032 sequences assigned
253 (12.5%) exact matches, in which:
248 unique CDR3
6 unique J



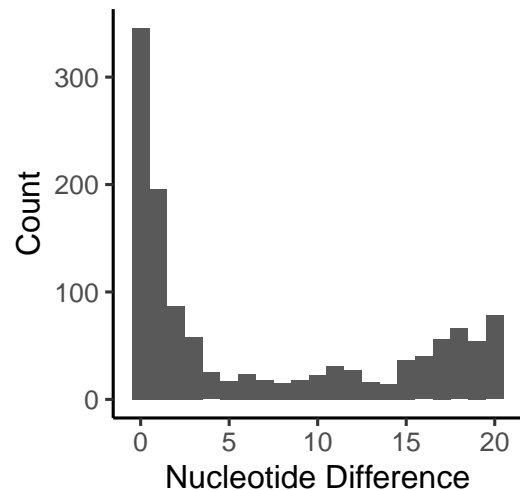
IGHV3-30-3*02

4 sequences assigned
No exact matches.



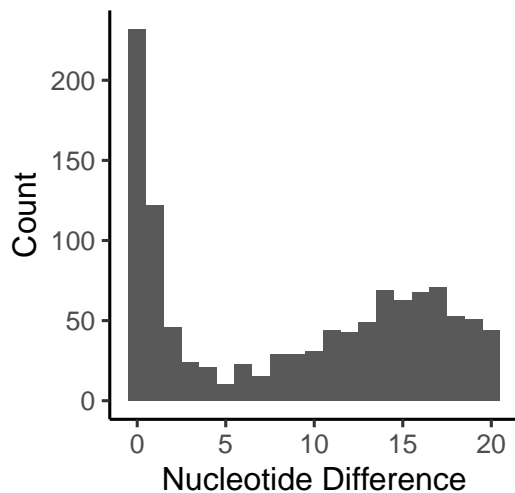
IGHV3-33*01

2240 sequences assigned
346 (15.4%) exact matches, in which:
336 unique CDR3
6 unique J



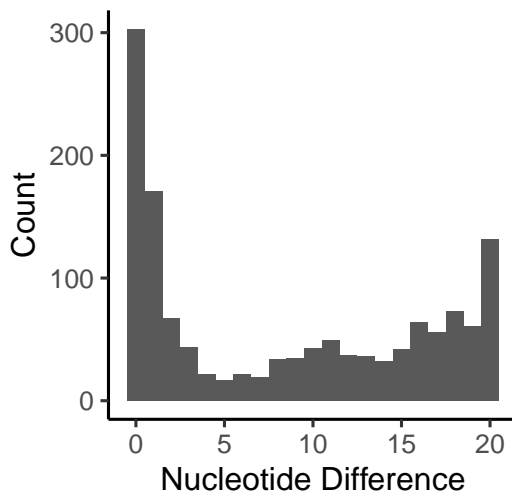
IGHV3-23*04

1683 sequences assigned
232 (13.8%) exact matches, in which:
230 unique CDR3
6 unique J



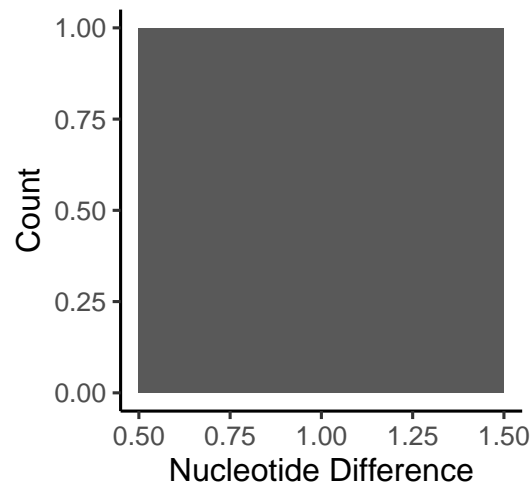
IGHV3-30*04

3505 sequences assigned
303 (8.6%) exact matches, in which:
294 unique CDR3
6 unique J



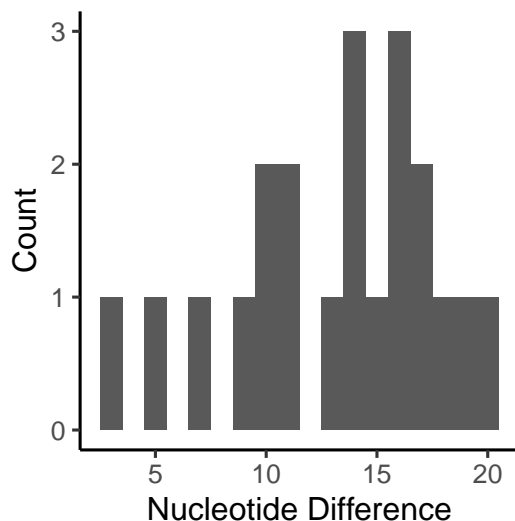
IGHV3-35*01

1 sequences assigned
No exact matches.



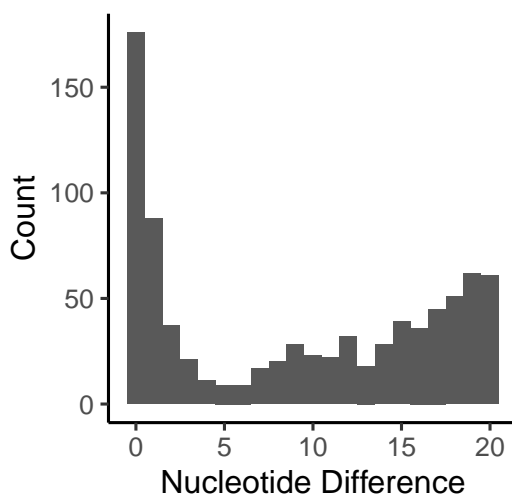
IGHV3-30-3*01

114 sequences assigned
No exact matches.



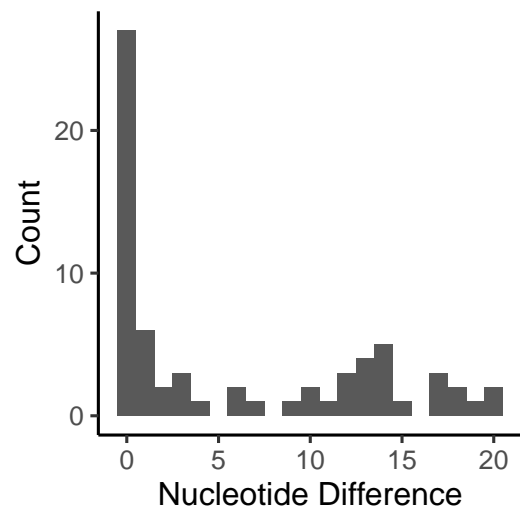
IGHV3-30*18

1338 sequences assigned
176 (13.2%) exact matches, in which:
169 unique CDR3
6 unique J



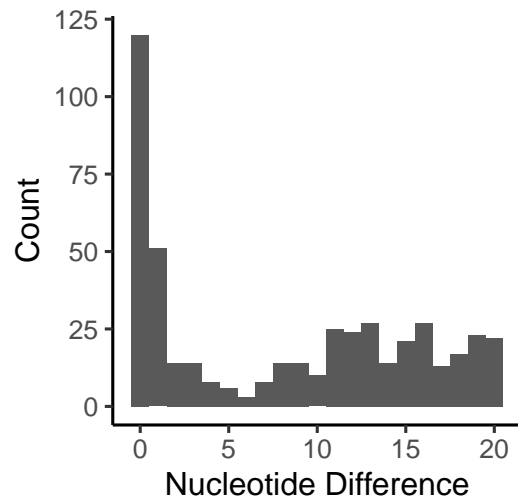
IGHV3-43*01

118 sequences assigned
27 (22.9%) exact matches, in which:
27 unique CDR3
5 unique J



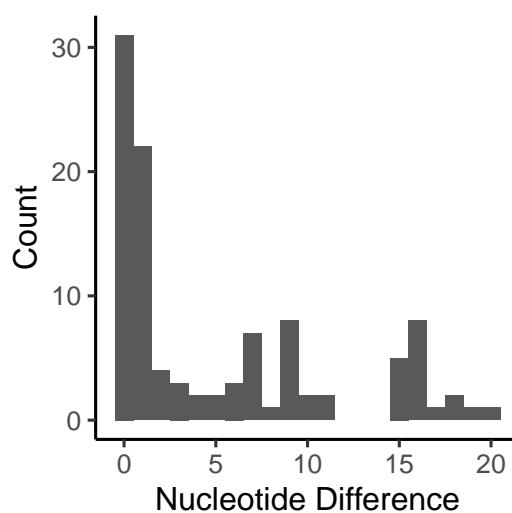
IGHV3-48*01

835 sequences assigned
120 (14.4%) exact matches, in which:
119 unique CDR3
6 unique J



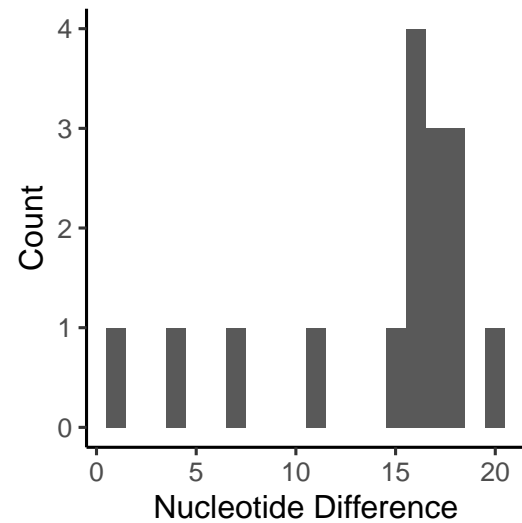
IGHV3-49*05

140 sequences assigned
31 (22.1%) exact matches, in which:
31 unique CDR3
4 unique J



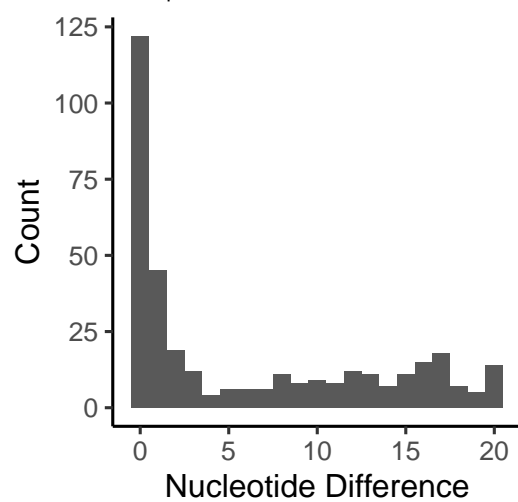
IGHV3-64*07

79 sequences assigned
No exact matches.



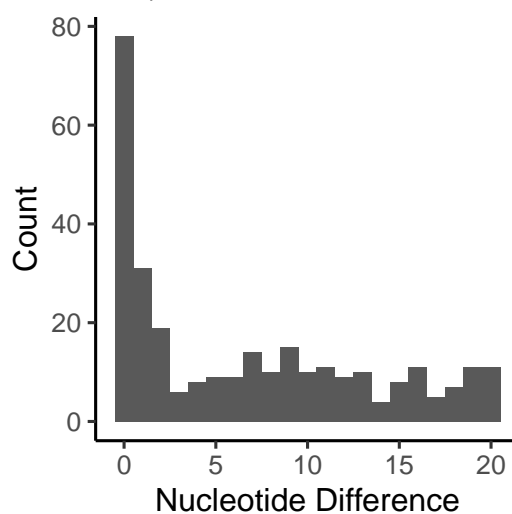
IGHV3-48*02

698 sequences assigned
122 (17.5%) exact matches, in which:
120 unique CDR3
5 unique J



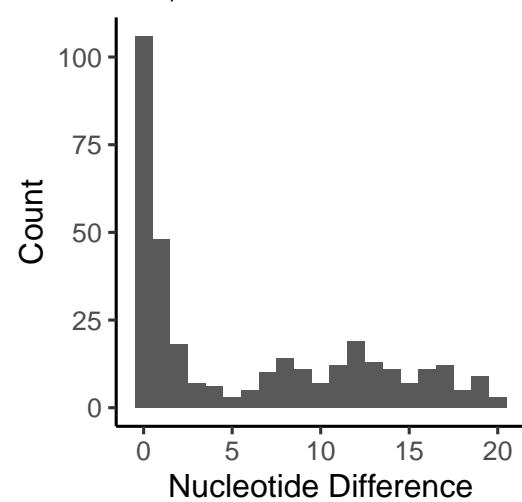
IGHV3-53*01

429 sequences assigned
78 (18.2%) exact matches, in which:
77 unique CDR3
4 unique J



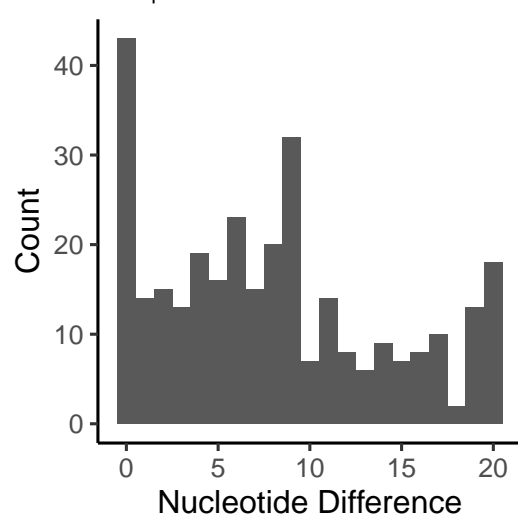
IGHV3-66*01

471 sequences assigned
106 (22.5%) exact matches, in which:
105 unique CDR3
6 unique J



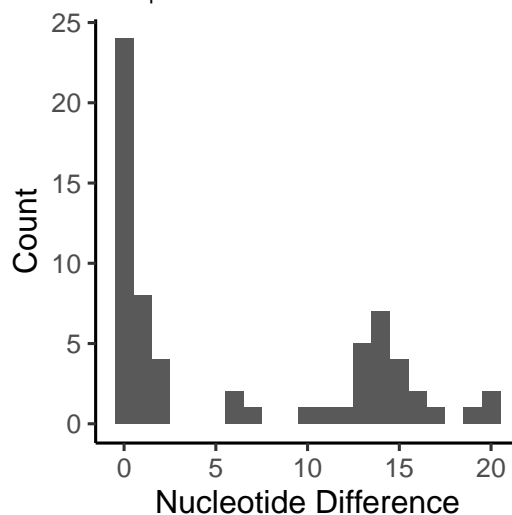
IGHV3-49*03

418 sequences assigned
43 (10.3%) exact matches, in which:
41 unique CDR3
6 unique J



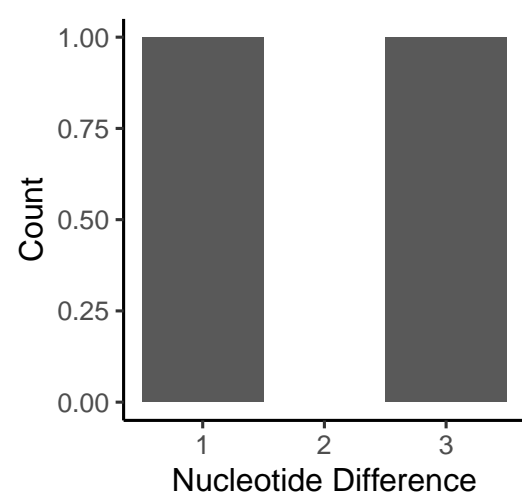
IGHV3-64*01

120 sequences assigned
24 (20%) exact matches, in which:
24 unique CDR3
4 unique J



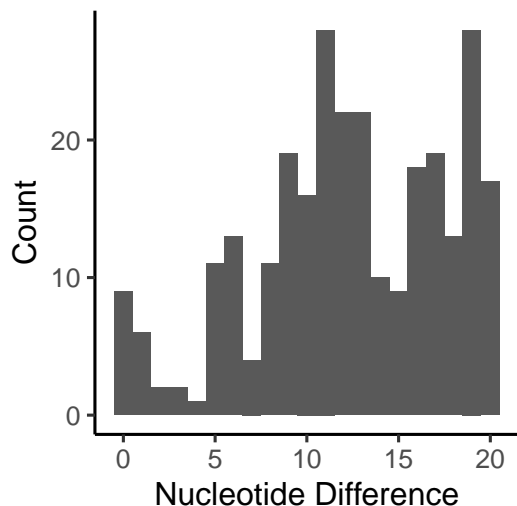
IGHV3-69-1*02

2 sequences assigned
No exact matches.



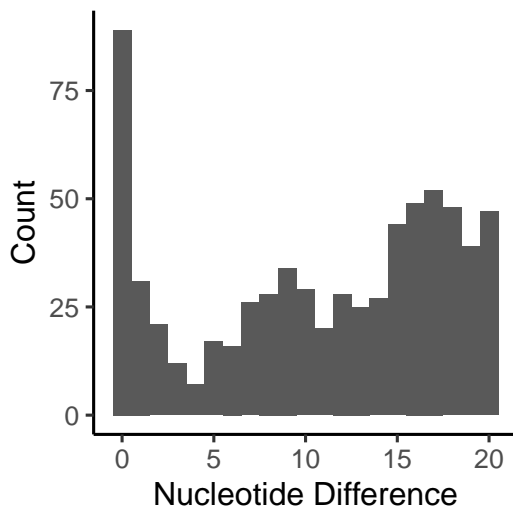
IGHV3-72*01

502 sequences assigned
9 (1.8%) exact matches, in which:
9 unique CDR3
3 unique J



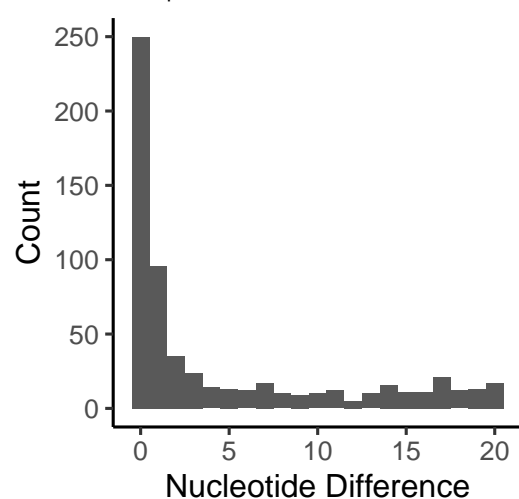
IGHV3-74*01

1301 sequences assigned
89 (6.8%) exact matches, in which:
84 unique CDR3
5 unique J



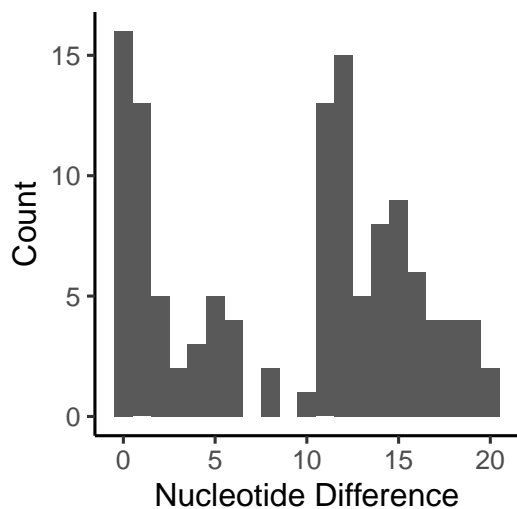
IGHV4-31*03

952 sequences assigned
250 (26.3%) exact matches, in which:
249 unique CDR3
6 unique J



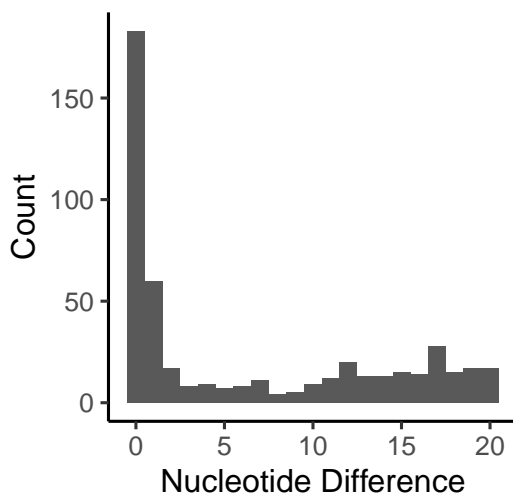
IGHV3-73*01

142 sequences assigned
16 (11.3%) exact matches, in which:
15 unique CDR3
4 unique J



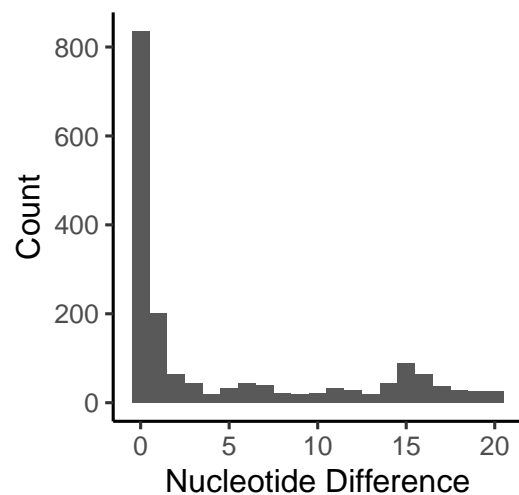
IGHV4-4*07

827 sequences assigned
183 (22.1%) exact matches, in which:
182 unique CDR3
6 unique J



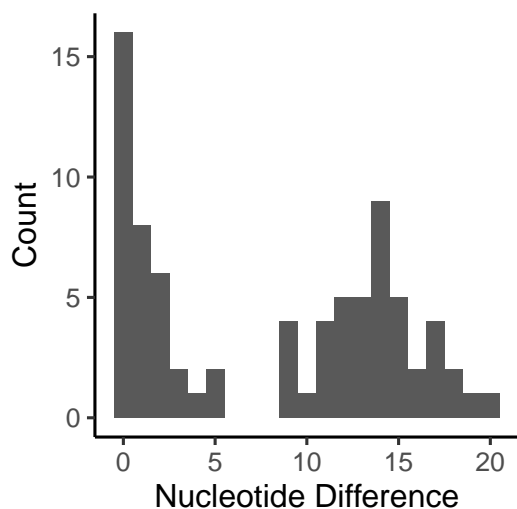
IGHV4-34*01

2247 sequences assigned
836 (37.2%) exact matches, in which:
822 unique CDR3
6 unique J



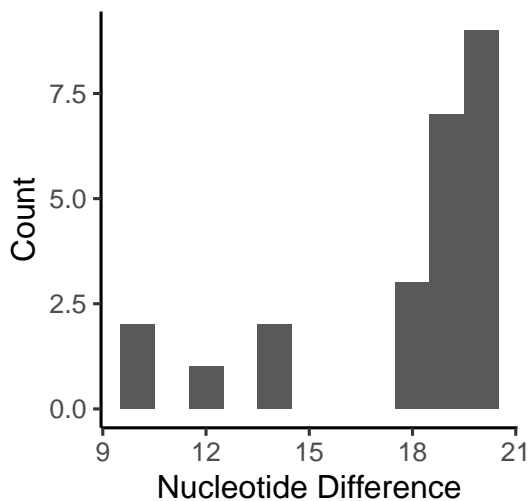
IGHV3-73*02

119 sequences assigned
16 (13.4%) exact matches, in which:
16 unique CDR3
4 unique J



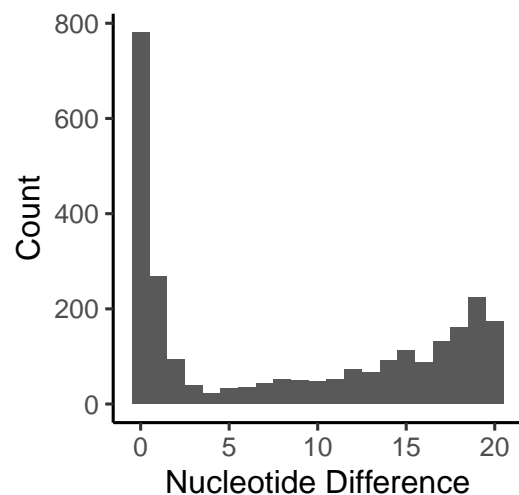
IGHV4-28*01

90 sequences assigned
No exact matches.



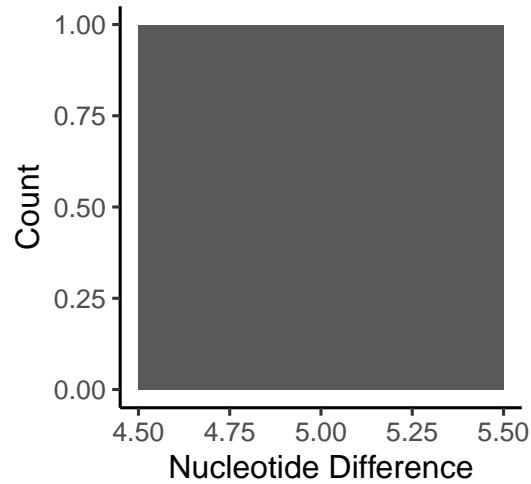
IGHV4-39*01

5531 sequences assigned
781 (14.1%) exact matches, in which:
762 unique CDR3
6 unique J



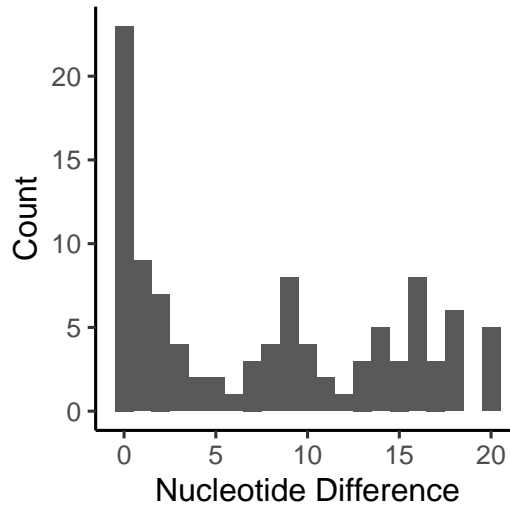
IGHV4-55*08

1 sequences assigned
No exact matches.



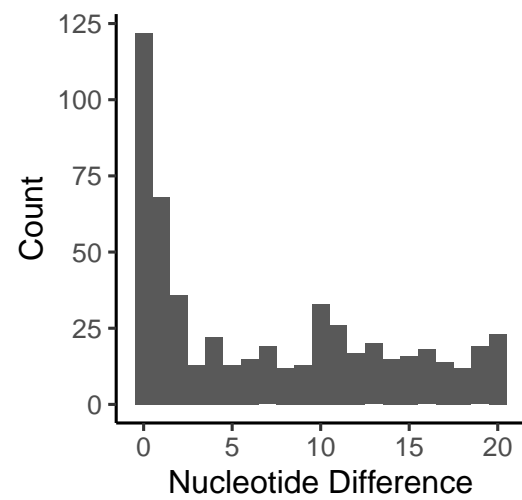
IGHV4-61*01

148 sequences assigned
23 (15.5%) exact matches, in which:
23 unique CDR3
4 unique J



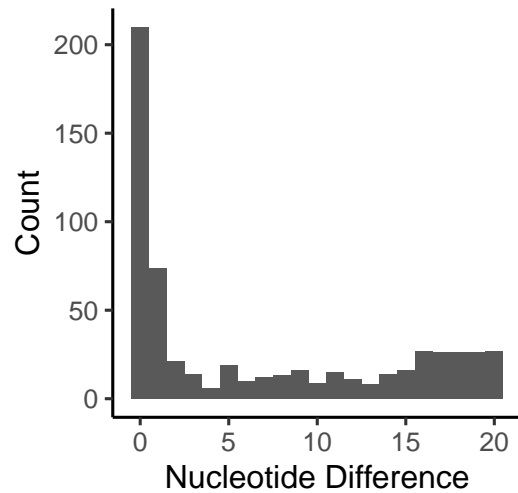
IGHV5-51*01

702 sequences assigned
122 (17.4%) exact matches, in which:
120 unique CDR3
5 unique J



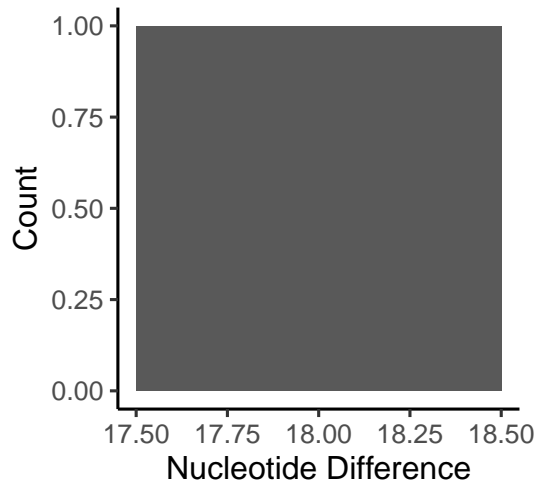
IGHV4-59*01

1075 sequences assigned
210 (19.5%) exact matches, in which:
205 unique CDR3
5 unique J



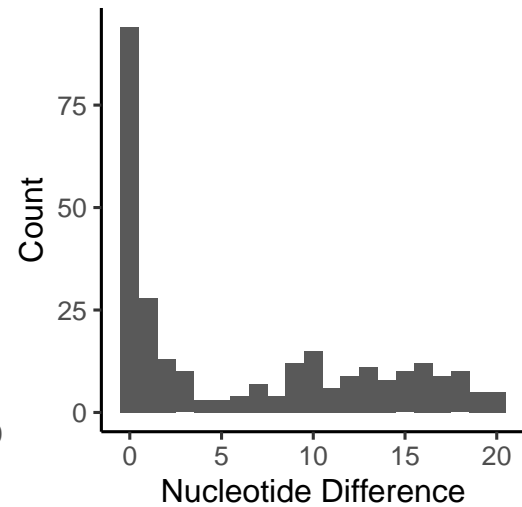
IGHV4/OR15-8*02

2 sequences assigned
No exact matches.



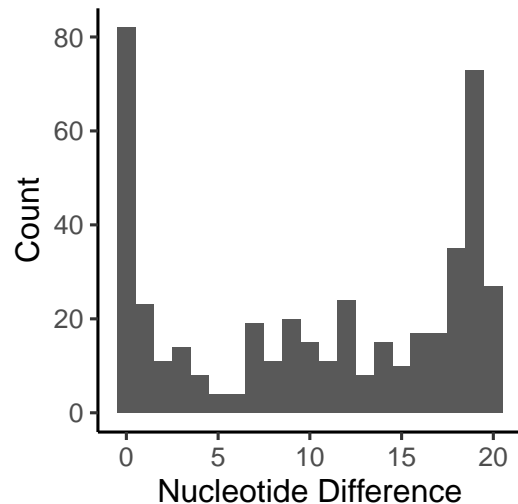
IGHV5-51*03

385 sequences assigned
94 (24.4%) exact matches, in which:
93 unique CDR3
6 unique J



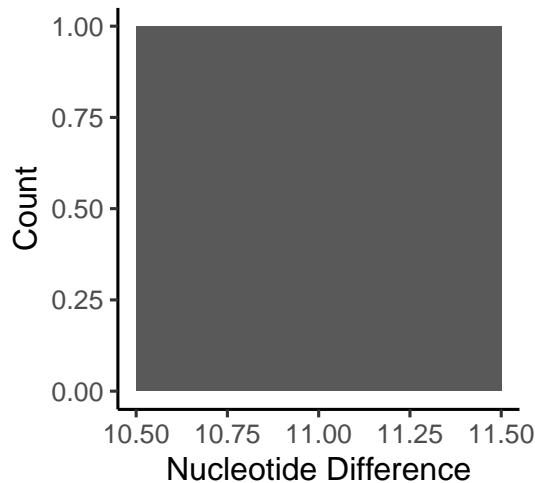
IGHV4-59*08

824 sequences assigned
82 (10%) exact matches, in which:
81 unique CDR3
5 unique J



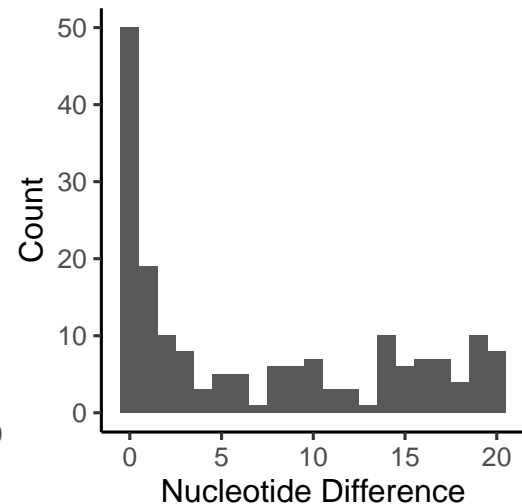
IGHV1/OR15-9*01

2 sequences assigned
No exact matches.



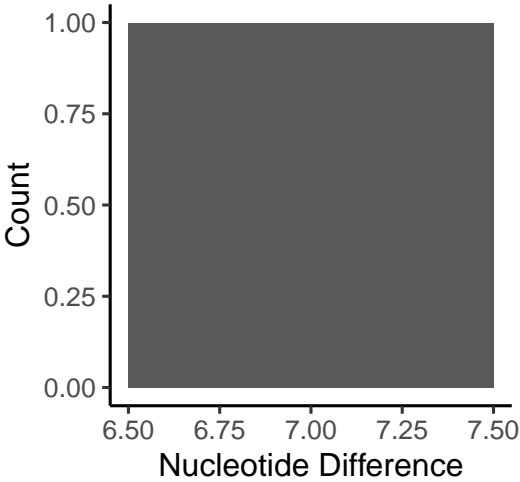
IGHV6-1*01

256 sequences assigned
50 (19.5%) exact matches, in which:
48 unique CDR3
4 unique J



IGHV3/OR16-9*01

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.