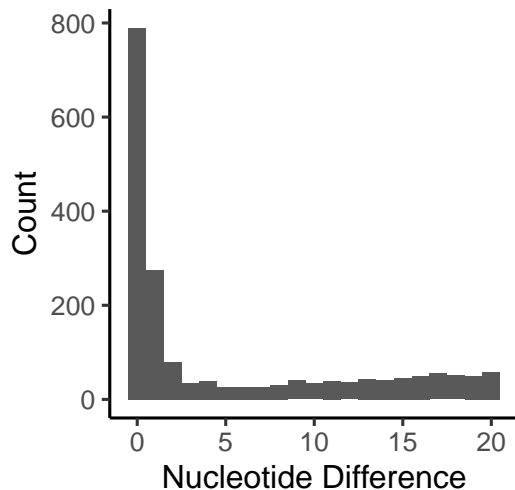


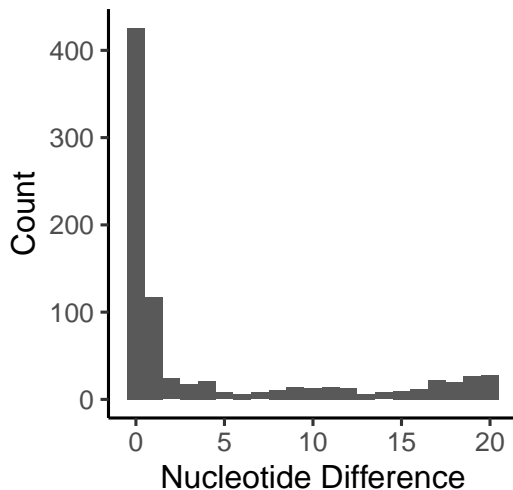
IGHV1-2*02

3801 sequences assigned
790 (20.8%) exact matches, in which:
787 unique CDR3
6 unique J



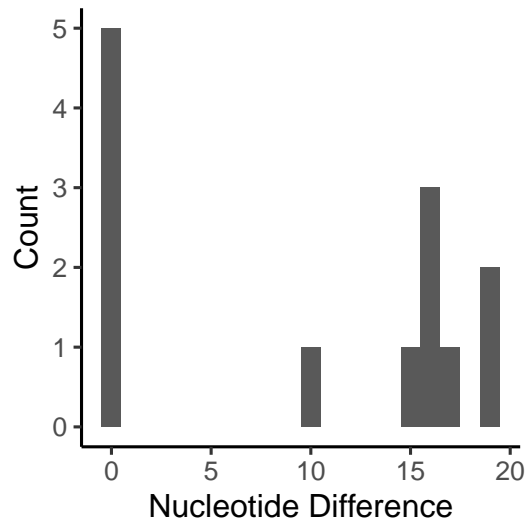
IGHV1-8*01

1499 sequences assigned
426 (28.4%) exact matches, in which:
424 unique CDR3
5 unique J



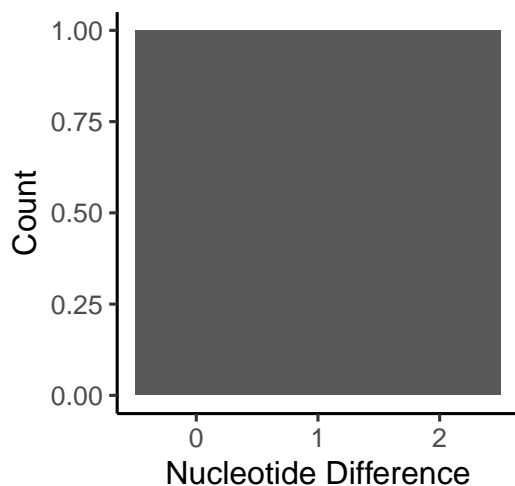
IGHV1-45*02

20 sequences assigned
5 (25%) exact matches, in which:
5 unique CDR3
3 unique J



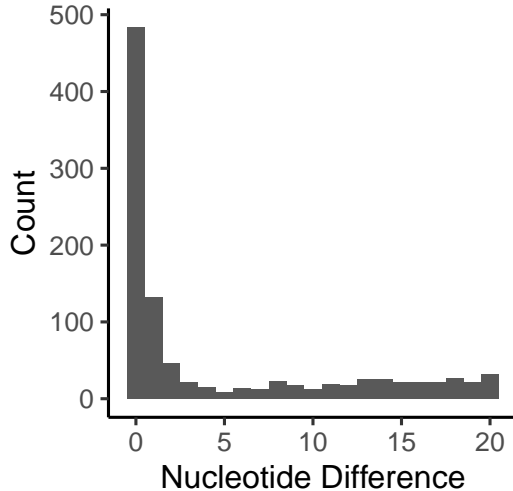
IGHV1-3*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



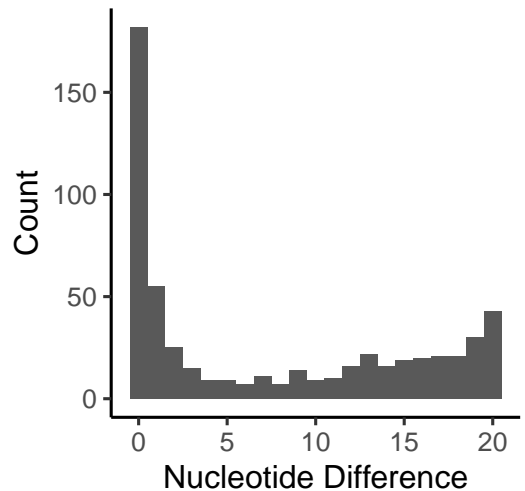
IGHV1-18*01

1810 sequences assigned
484 (26.7%) exact matches, in which:
481 unique CDR3
6 unique J



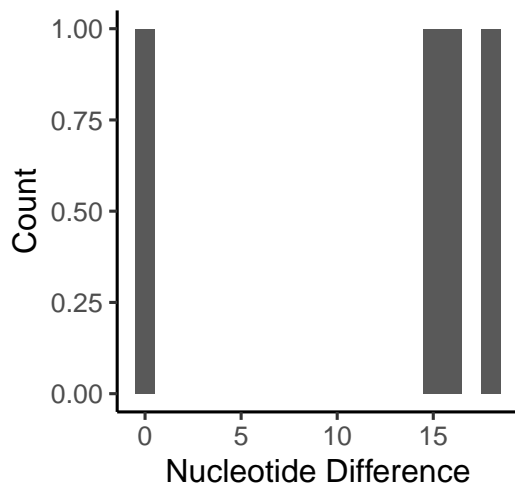
IGHV1-46*01

1102 sequences assigned
182 (16.5%) exact matches, in which:
181 unique CDR3
5 unique J



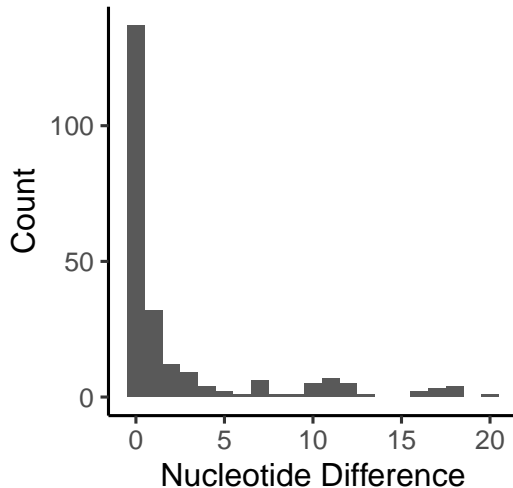
IGHV1-3*02

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



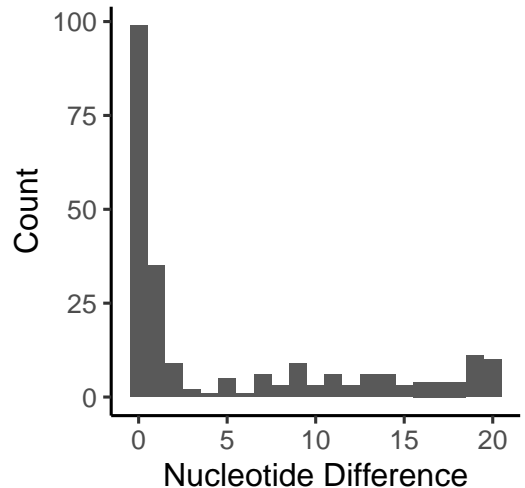
IGHV1-24*01

270 sequences assigned
137 (50.7%) exact matches, in which:
134 unique CDR3
6 unique J



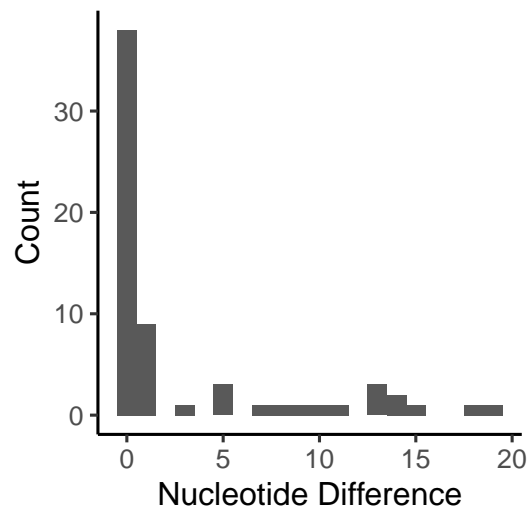
IGHV1-46*03

299 sequences assigned
99 (33.1%) exact matches, in which:
99 unique CDR3
5 unique J



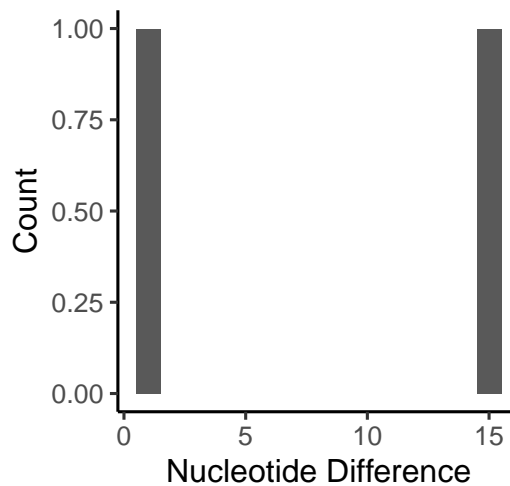
IGHV1-58*01

82 sequences assigned
38 (46.3%) exact matches, in which:
38 unique CDR3
4 unique J



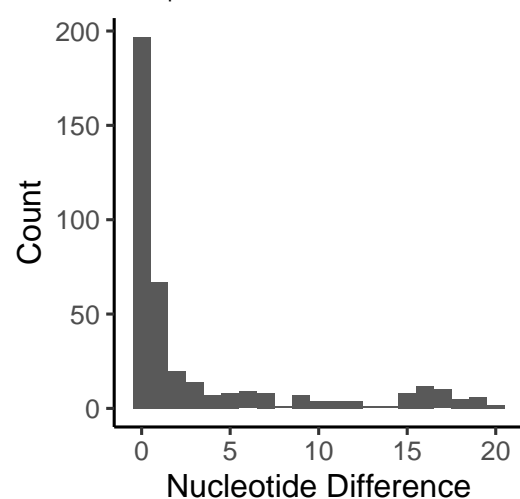
IGHV1-NL1*01

2 sequences assigned
No exact matches.



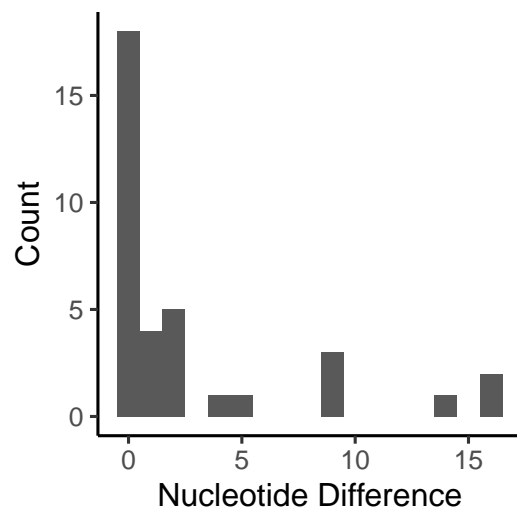
IGHV2-26*01

469 sequences assigned
197 (42%) exact matches, in which:
194 unique CDR3
6 unique J



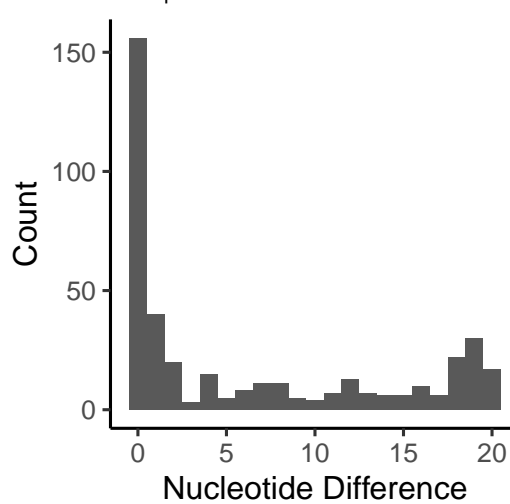
IGHV1-58*02

39 sequences assigned
18 (46.2%) exact matches, in which:
18 unique CDR3
5 unique J



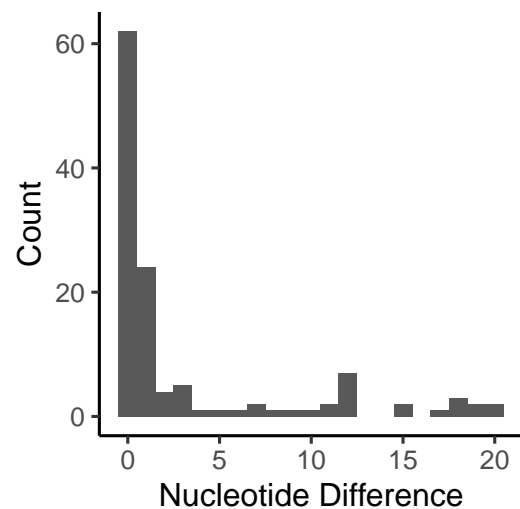
IGHV2-5*01

560 sequences assigned
156 (27.9%) exact matches, in which:
156 unique CDR3
5 unique J



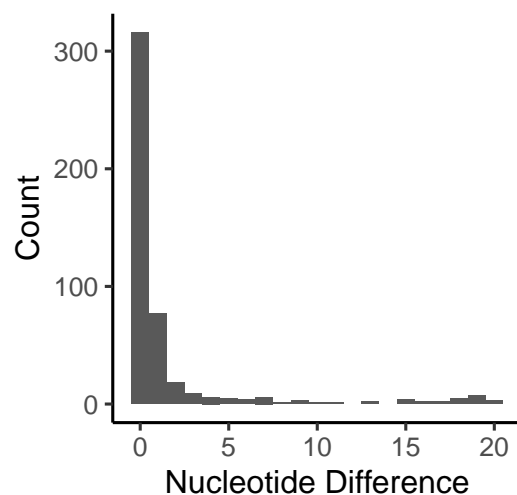
IGHV2-70*01

146 sequences assigned
62 (42.5%) exact matches, in which:
61 unique CDR3
5 unique J



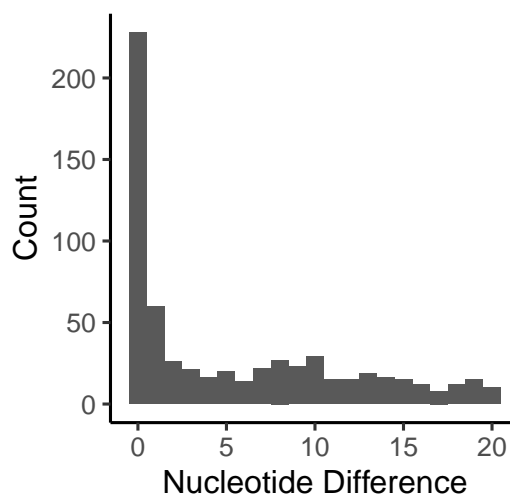
IGHV1-69*04

621 sequences assigned
316 (50.9%) exact matches, in which:
310 unique CDR3
6 unique J



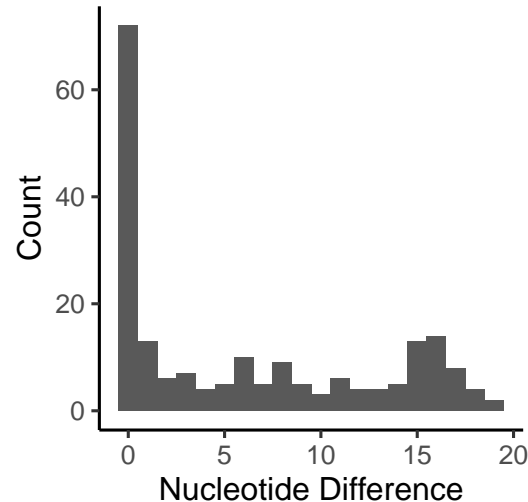
IGHV2-5*02

937 sequences assigned
228 (24.3%) exact matches, in which:
227 unique CDR3
6 unique J



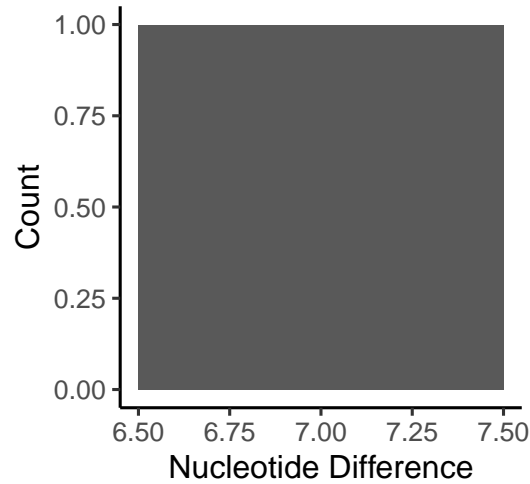
IGHV2-70*15

238 sequences assigned
72 (30.3%) exact matches, in which:
72 unique CDR3
5 unique J



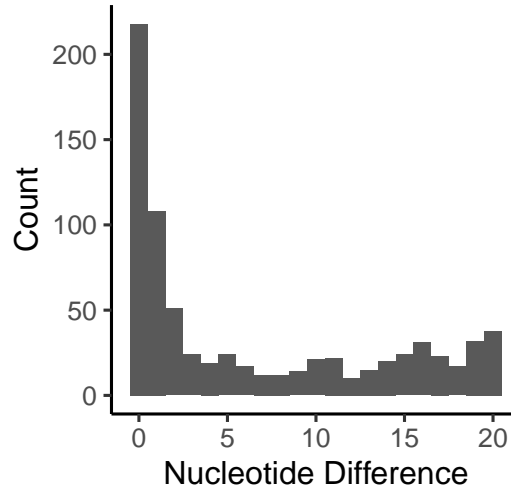
IGHV2-70D*04

1 sequences assigned
No exact matches.



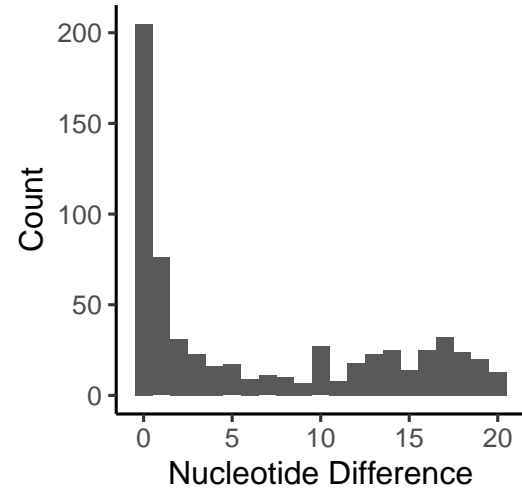
IGHV3-11*01

1116 sequences assigned
218 (19.5%) exact matches, in which:
215 unique CDR3
6 unique J



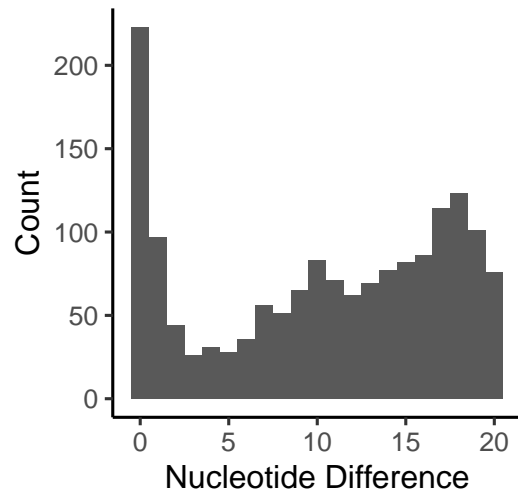
IGHV3-15*07

1248 sequences assigned
205 (16.4%) exact matches, in which:
201 unique CDR3
6 unique J



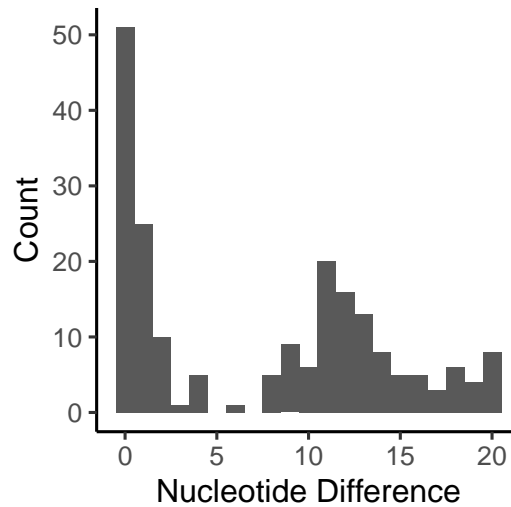
IGHV3-7*01

3799 sequences assigned
223 (5.9%) exact matches, in which:
218 unique CDR3
6 unique J



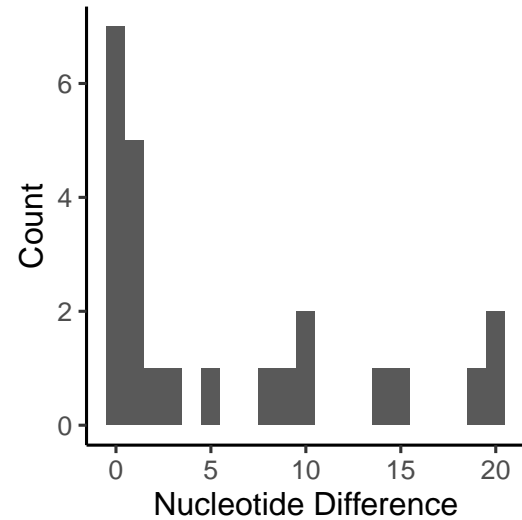
IGHV3-13*01

305 sequences assigned
51 (16.7%) exact matches, in which:
51 unique CDR3
5 unique J



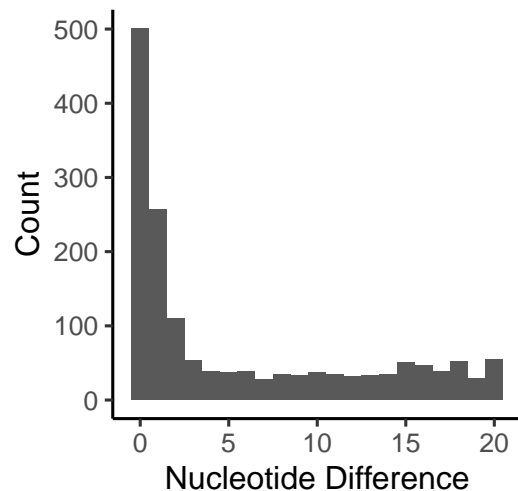
IGHV3-20*01

31 sequences assigned
7 (22.6%) exact matches, in which:
7 unique CDR3
3 unique J



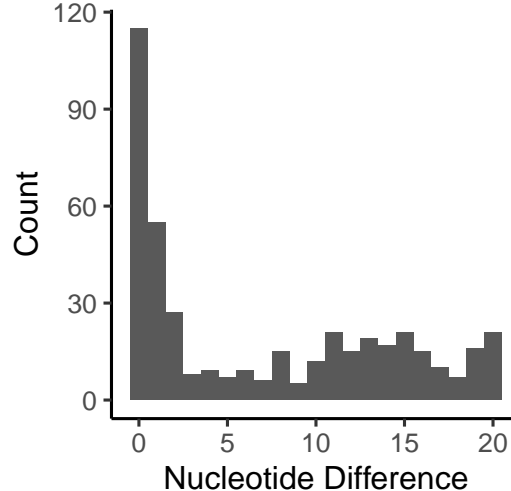
IGHV3-9*01

2419 sequences assigned
501 (20.7%) exact matches, in which:
496 unique CDR3
6 unique J



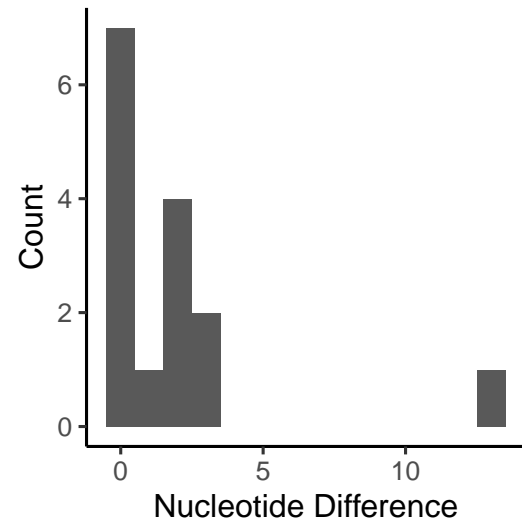
IGHV3-15*01

762 sequences assigned
115 (15.1%) exact matches, in which:
112 unique CDR3
5 unique J



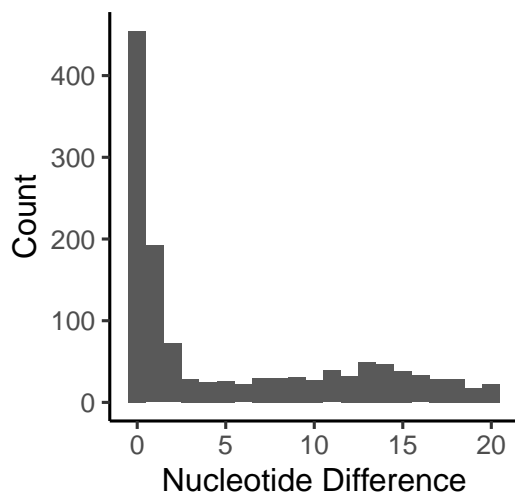
IGHV3-20*04

22 sequences assigned
7 (31.8%) exact matches, in which:
7 unique CDR3
2 unique J



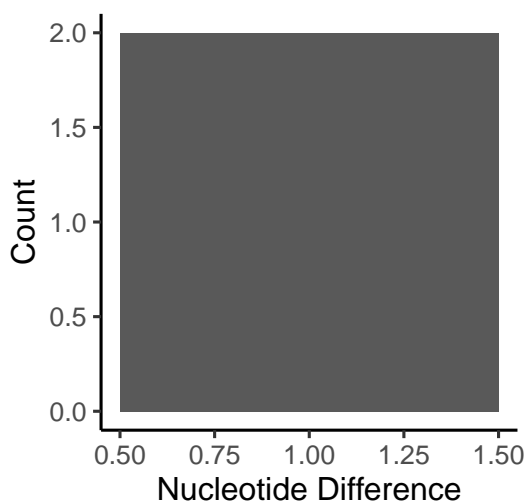
IGHV3–21*01

1772 sequences assigned
455 (25.7%) exact matches, in which:
449 unique CDR3
6 unique J



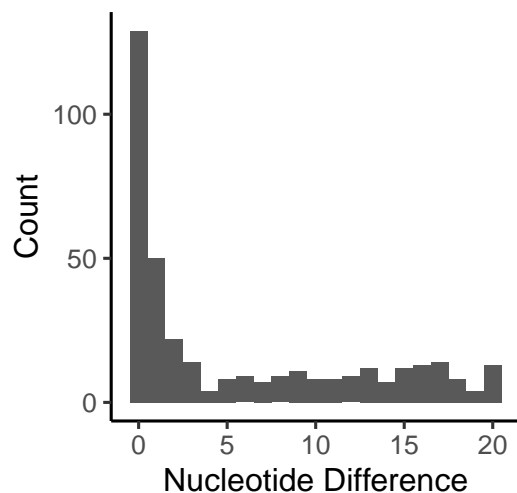
IGHV3–35*01

2 sequences assigned
No exact matches.



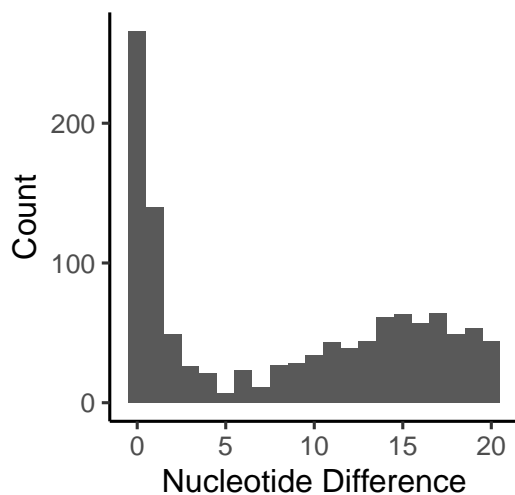
IGHV3–48*02

673 sequences assigned
129 (19.2%) exact matches, in which:
128 unique CDR3
5 unique J



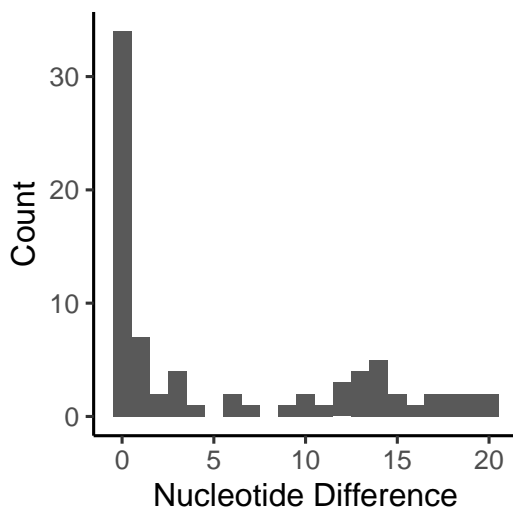
IGHV3–23*04

1672 sequences assigned
266 (15.9%) exact matches, in which:
266 unique CDR3
6 unique J



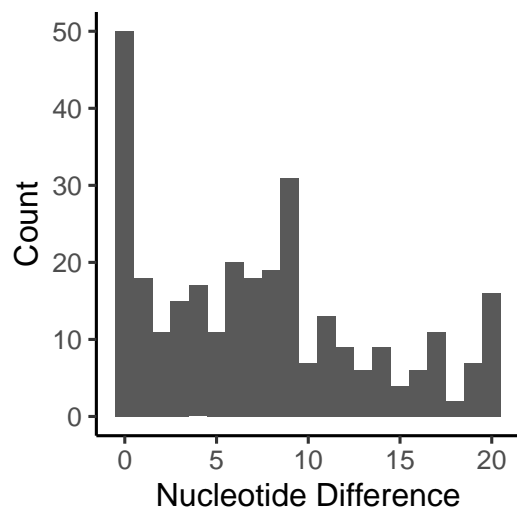
IGHV3–43*01

123 sequences assigned
34 (27.6%) exact matches, in which:
34 unique CDR3
6 unique J



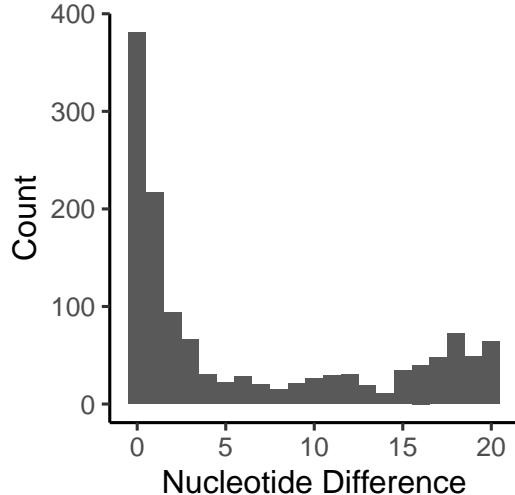
IGHV3–49*03

395 sequences assigned
50 (12.7%) exact matches, in which:
50 unique CDR3
6 unique J



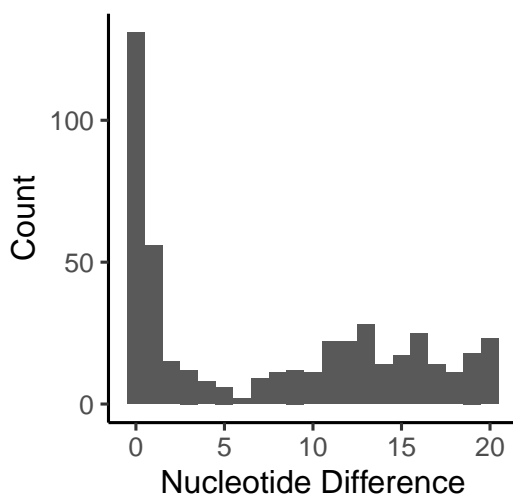
IGHV3–33*01

2211 sequences assigned
381 (17.2%) exact matches, in which:
376 unique CDR3
6 unique J



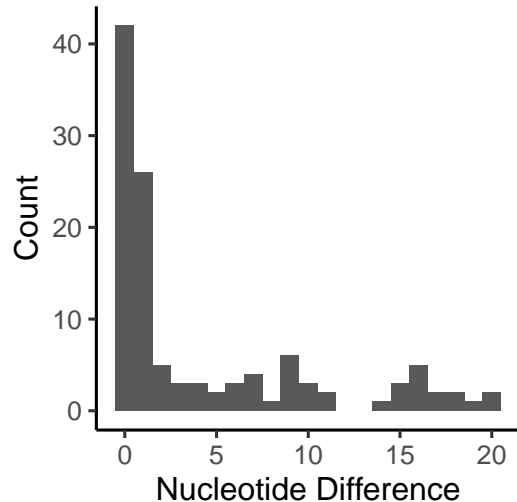
IGHV3–48*01

791 sequences assigned
131 (16.6%) exact matches, in which:
131 unique CDR3
6 unique J



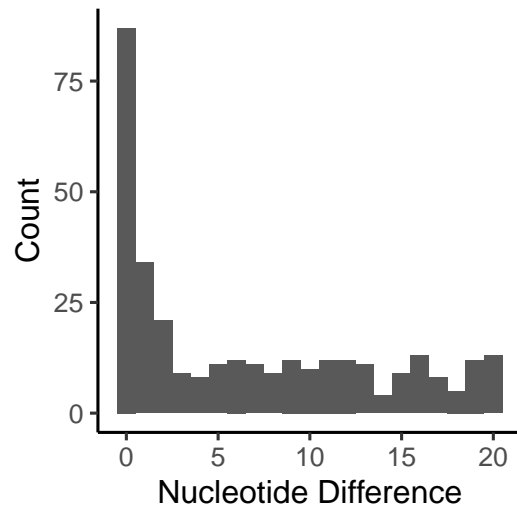
IGHV3–49*05

151 sequences assigned
42 (27.8%) exact matches, in which:
42 unique CDR3
4 unique J



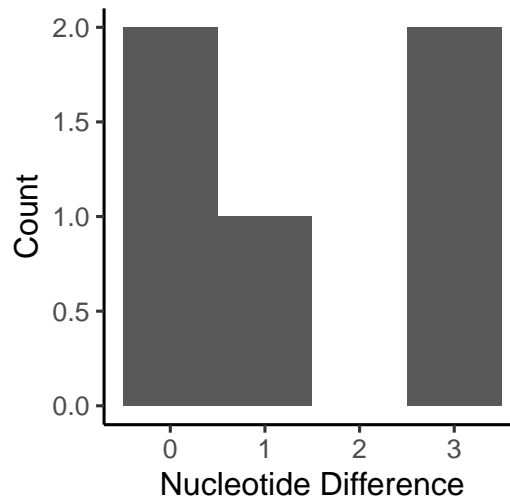
IGHV3-53*01

453 sequences assigned
87 (19.2%) exact matches, in which:
87 unique CDR3
5 unique J



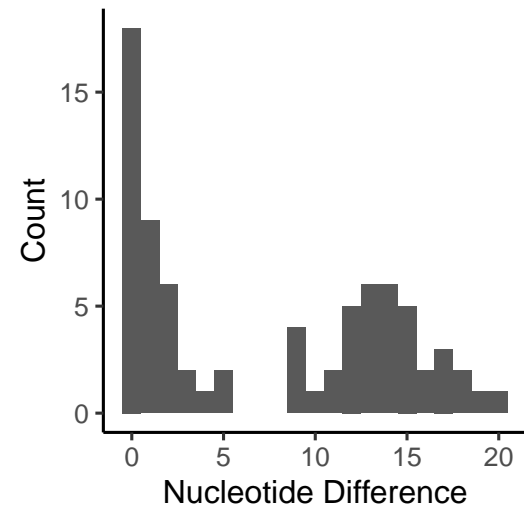
IGHV3-69-1*02

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



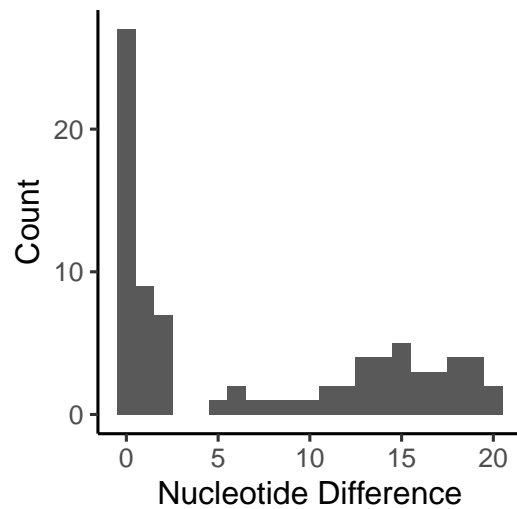
IGHV3-73*02

114 sequences assigned
18 (15.8%) exact matches, in which:
18 unique CDR3
4 unique J



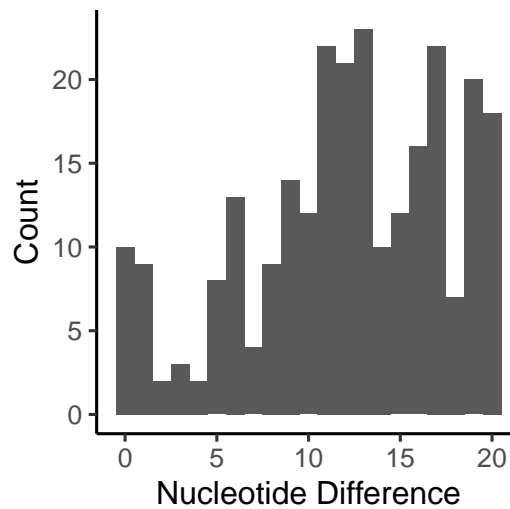
IGHV3-64*01

198 sequences assigned
27 (13.6%) exact matches, in which:
27 unique CDR3
4 unique J



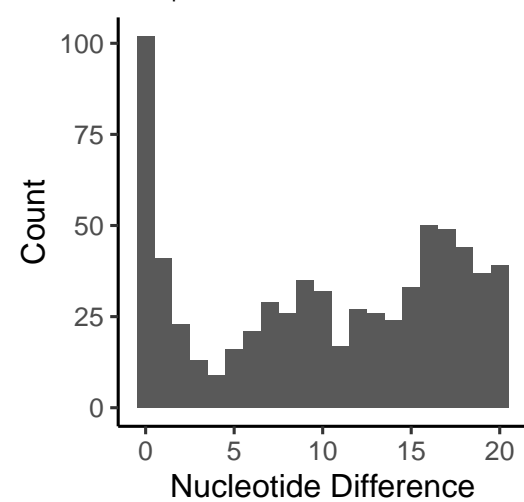
IGHV3-72*01

453 sequences assigned
10 (2.2%) exact matches, in which:
10 unique CDR3
3 unique J



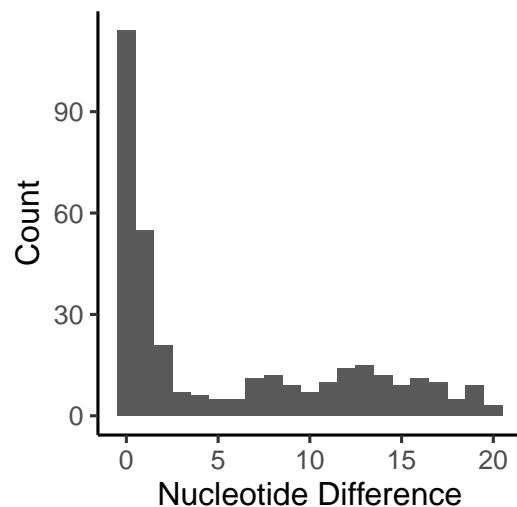
IGHV3-74*01

1291 sequences assigned
102 (7.9%) exact matches, in which:
100 unique CDR3
5 unique J



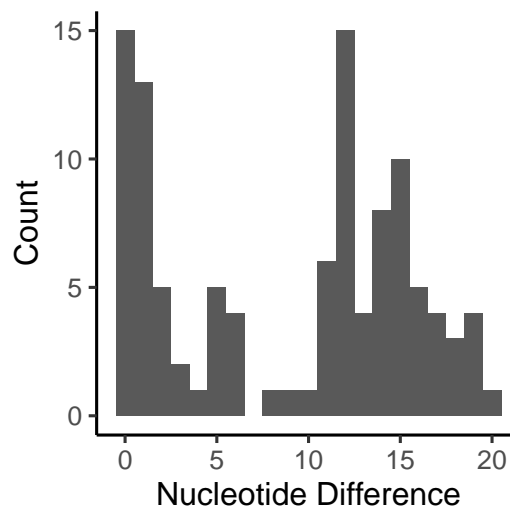
IGHV3-66*01

478 sequences assigned
114 (23.8%) exact matches, in which:
114 unique CDR3
6 unique J



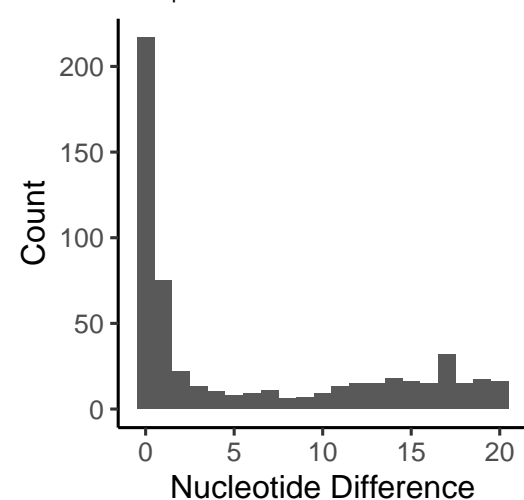
IGHV3-73*01

127 sequences assigned
15 (11.8%) exact matches, in which:
15 unique CDR3
4 unique J



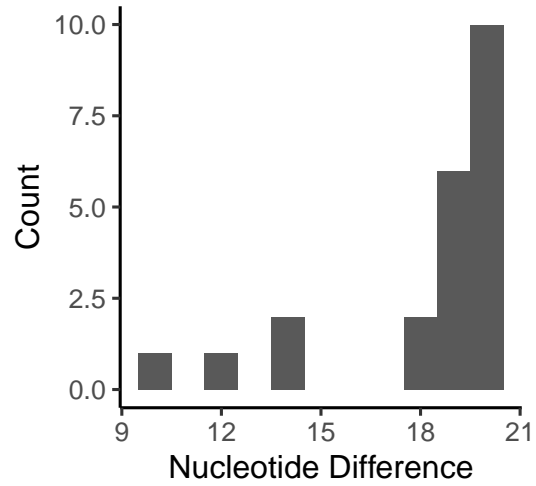
IGHV4-4*07

926 sequences assigned
217 (23.4%) exact matches, in which:
217 unique CDR3
6 unique J



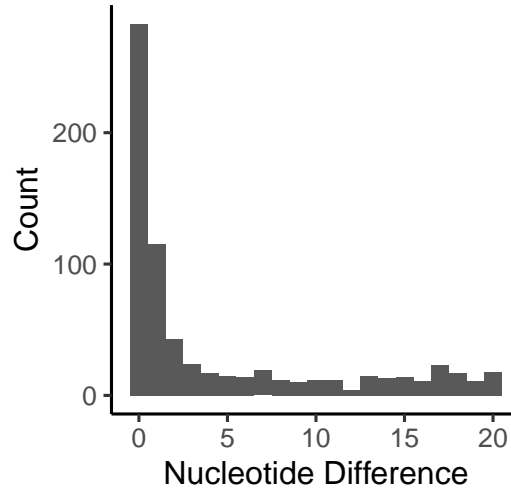
IGHV4-28*01

75 sequences assigned
No exact matches.



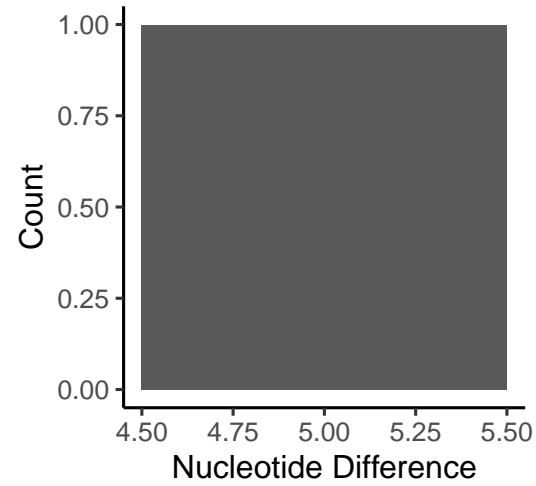
IGHV4-31*03

1081 sequences assigned
283 (26.2%) exact matches, in which:
282 unique CDR3
6 unique J



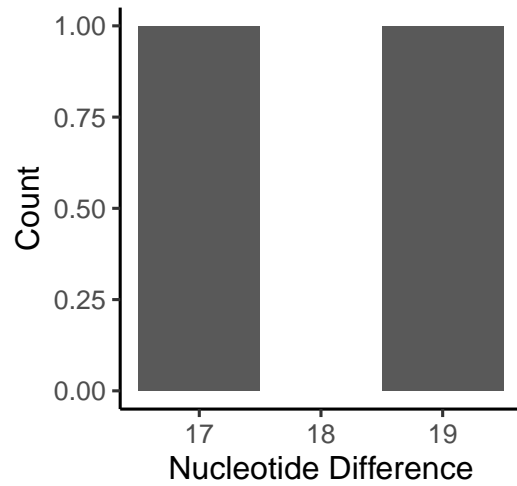
IGHV4-55*08

1 sequences assigned
No exact matches.



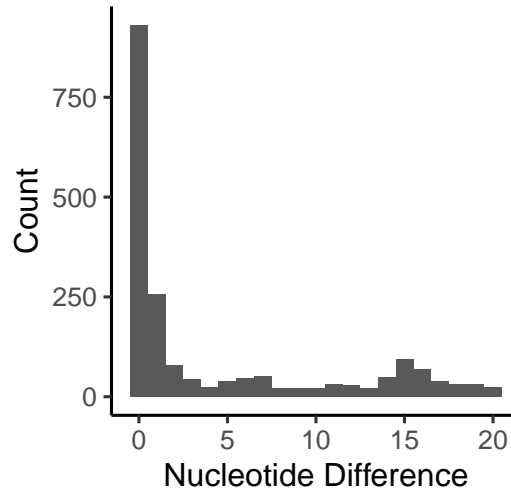
IGHV4-28*05

20 sequences assigned
No exact matches.



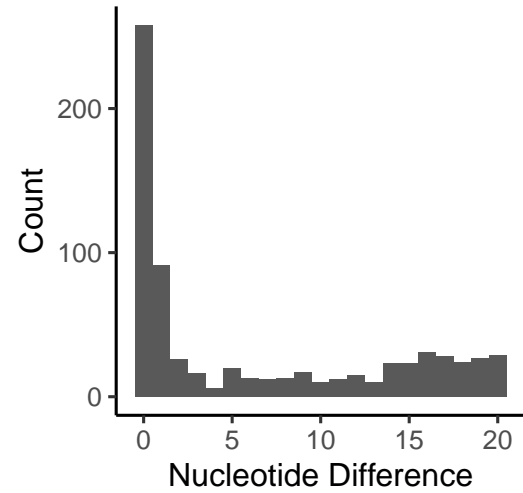
IGHV4-34*01

2521 sequences assigned
931 (36.9%) exact matches, in which:
925 unique CDR3
6 unique J



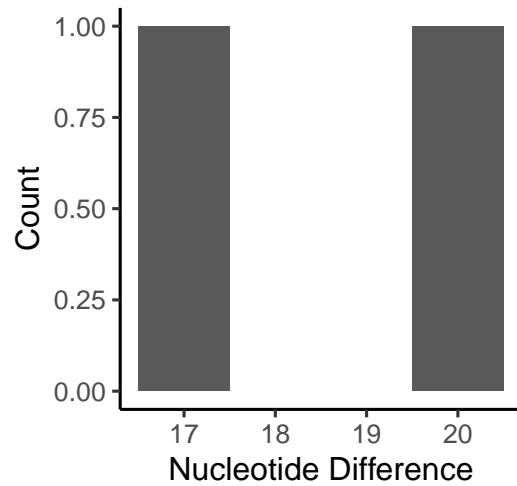
IGHV4-59*01

1213 sequences assigned
258 (21.3%) exact matches, in which:
257 unique CDR3
5 unique J



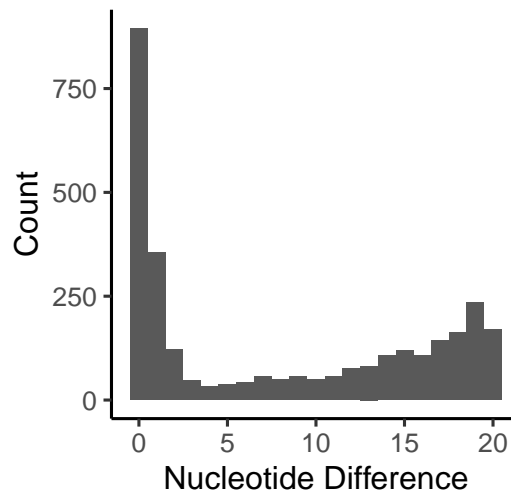
IGHV4-30-4*08

2 sequences assigned
No exact matches.



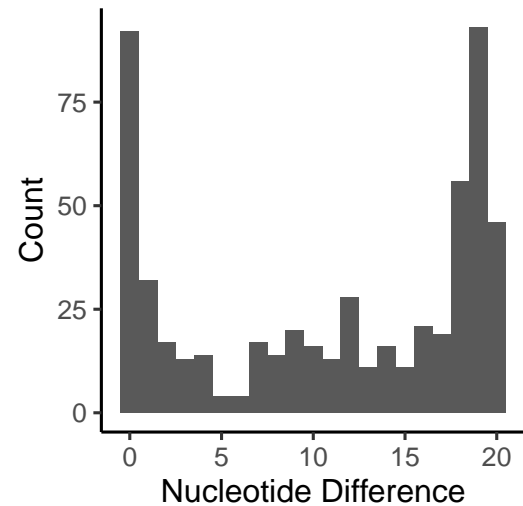
IGHV4-39*01

6189 sequences assigned
895 (14.5%) exact matches, in which:
886 unique CDR3
6 unique J



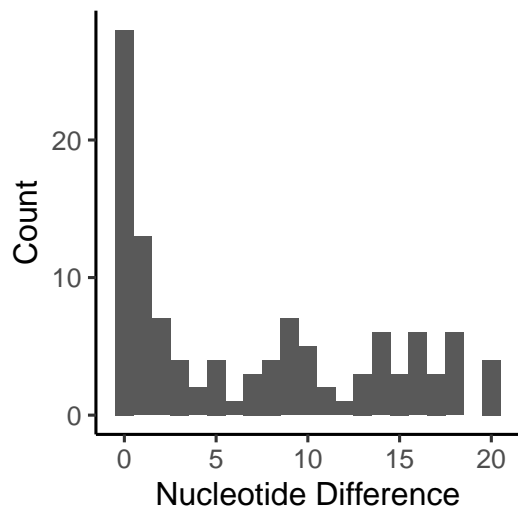
IGHV4-59*08

971 sequences assigned
92 (9.5%) exact matches, in which:
90 unique CDR3
5 unique J



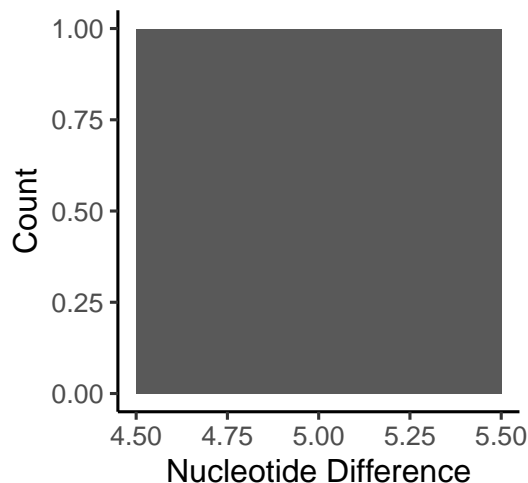
IGHV4-61*01

164 sequences assigned
28 (17.1%) exact matches, in which:
28 unique CDR3
4 unique J



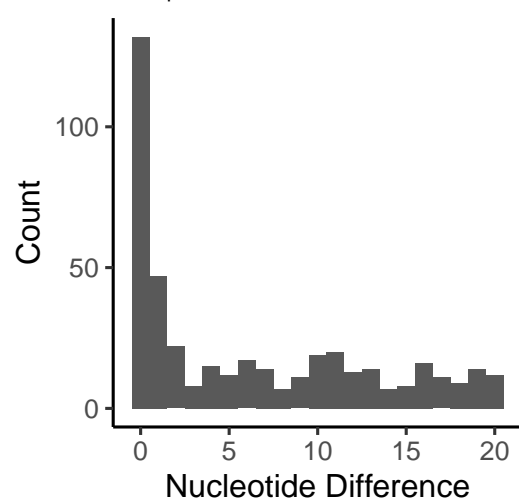
IGHV4/OR15-8*01

1 sequences assigned
No exact matches.



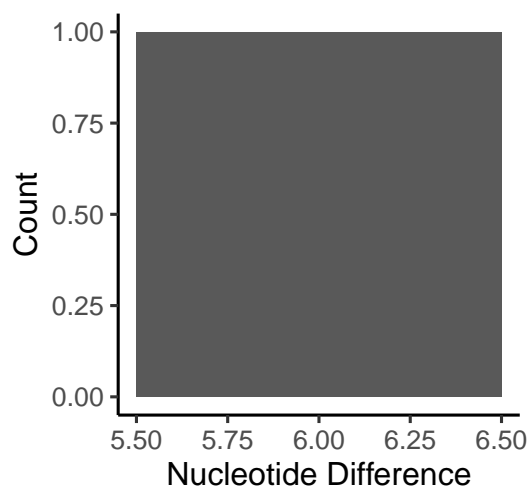
IGHV5-51*01

564 sequences assigned
132 (23.4%) exact matches, in which:
131 unique CDR3
6 unique J



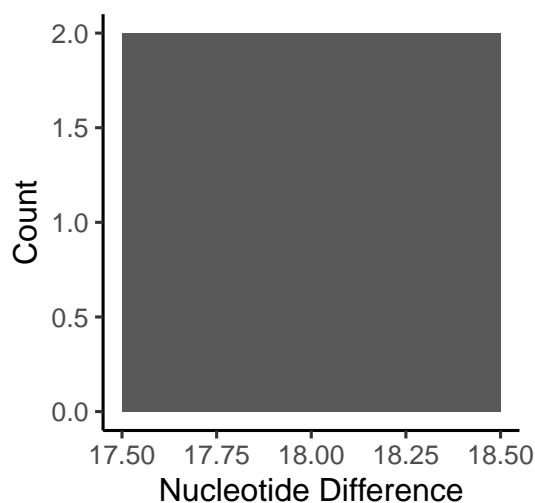
IGHV1/OR15-1*04

14 sequences assigned
No exact matches.



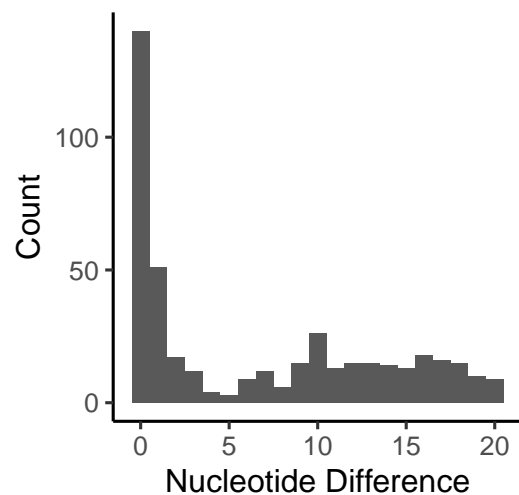
IGHV4/OR15-8*02

3 sequences assigned
No exact matches.



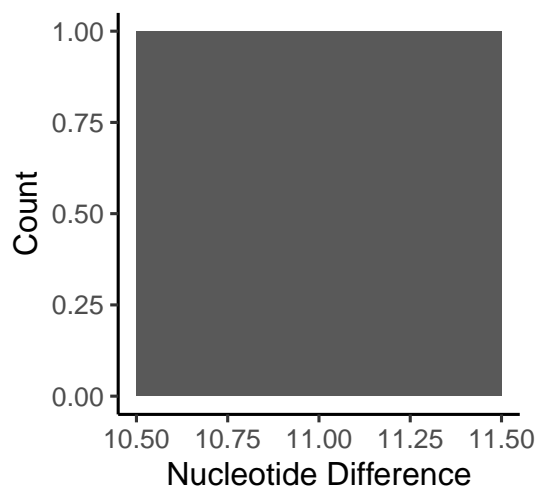
IGHV5-51*01_C45G

557 sequences assigned
140 (25.1%) exact matches, in which:
140 unique CDR3
6 unique J



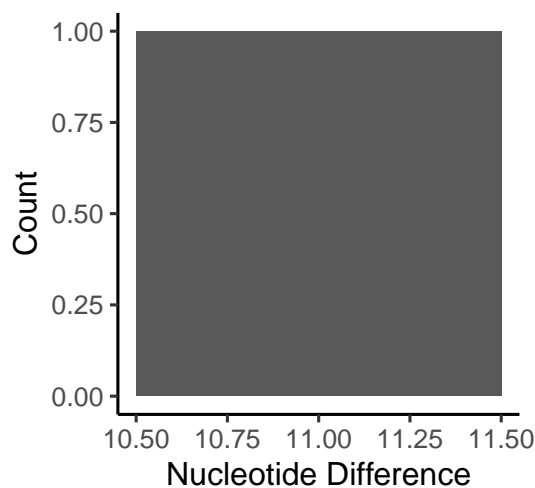
IGHV1/OR15-2*01

2 sequences assigned
No exact matches.



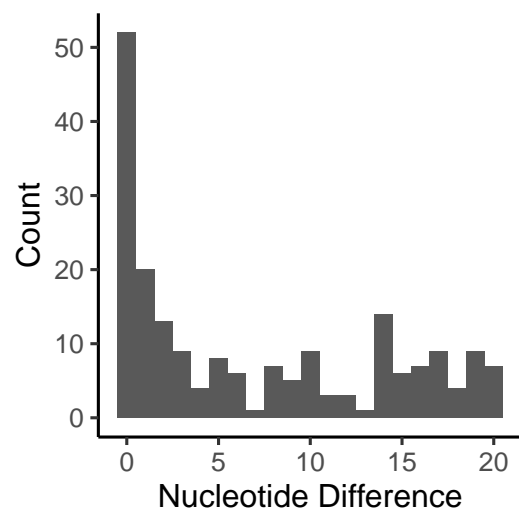
IGHV1/OR15-9*01

2 sequences assigned
No exact matches.



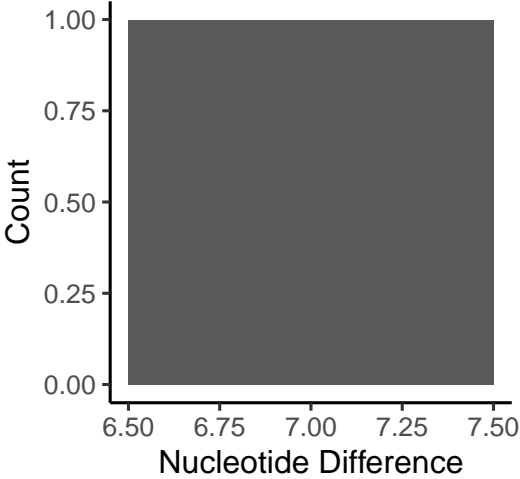
IGHV6-1*01

280 sequences assigned
52 (18.6%) exact matches, in which:
52 unique CDR3
4 unique J



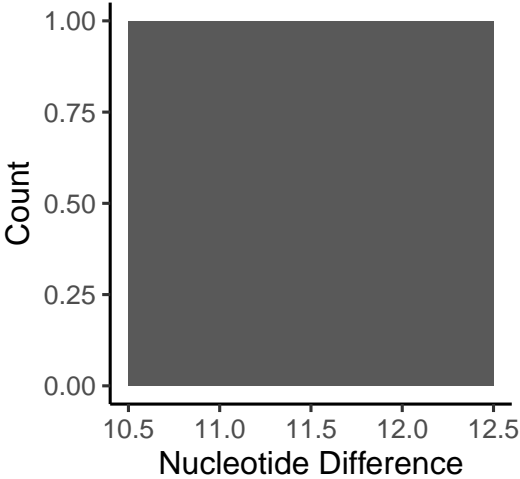
IGHV3/OR16-9*01

1 sequences assigned
No exact matches.



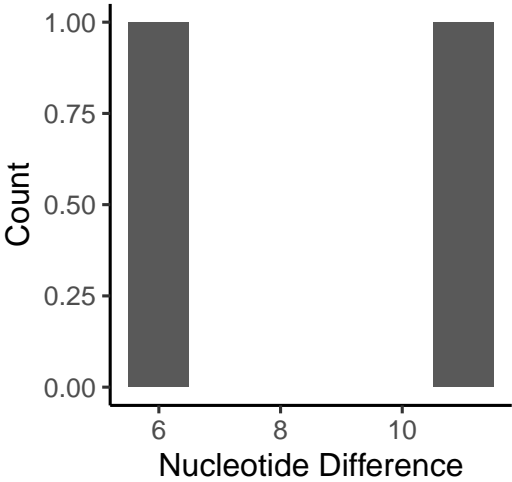
IGHV3/OR16-12*01

4 sequences assigned
No exact matches.



IGHV7-4-1*02

3 sequences assigned
No exact matches.





Warning – no inferred sequences found.