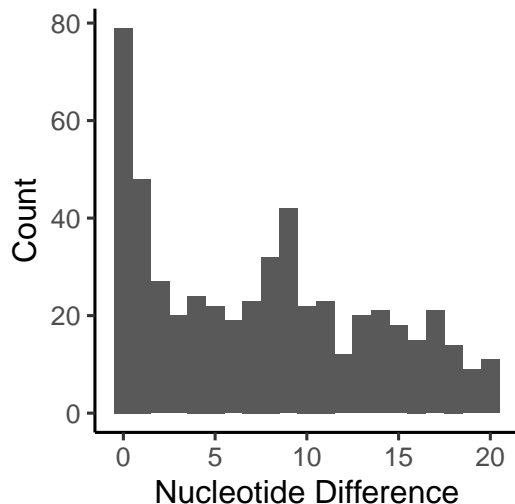


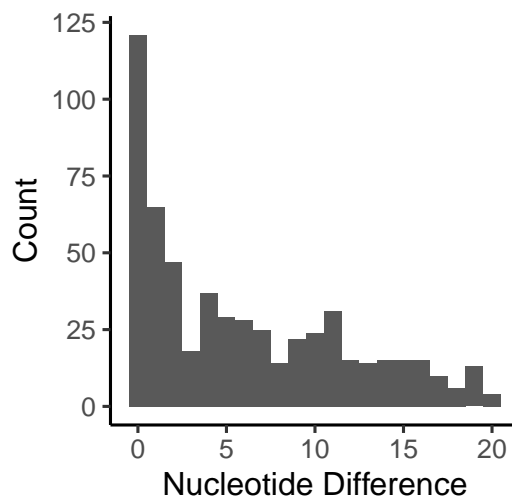
IGHV1-2*02

659 sequences assigned
79 (12%) exact matches, in which:
79 unique CDR3
4 unique J



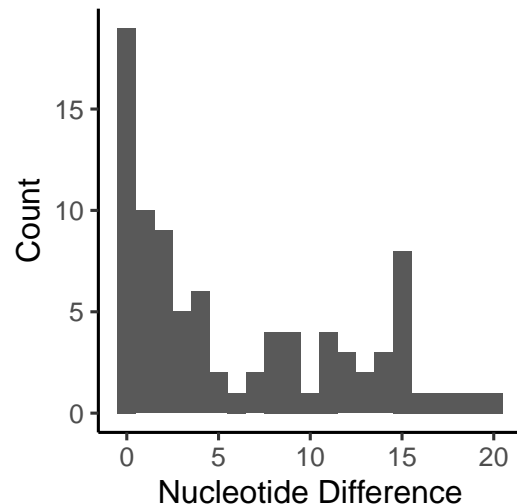
IGHV1-8*01

654 sequences assigned
121 (18.5%) exact matches, in which:
120 unique CDR3
6 unique J



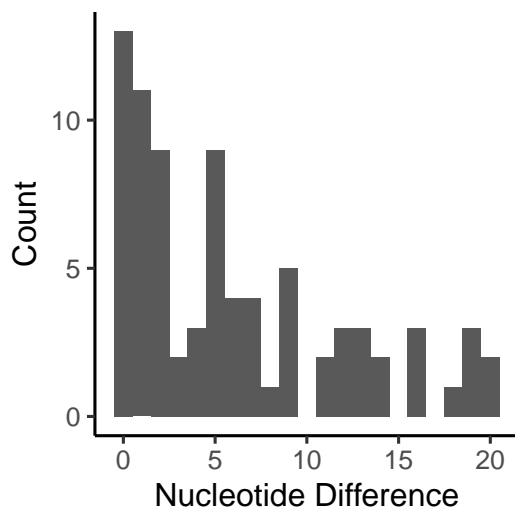
IGHV1-24*01

101 sequences assigned
19 (18.8%) exact matches, in which:
18 unique CDR3
3 unique J



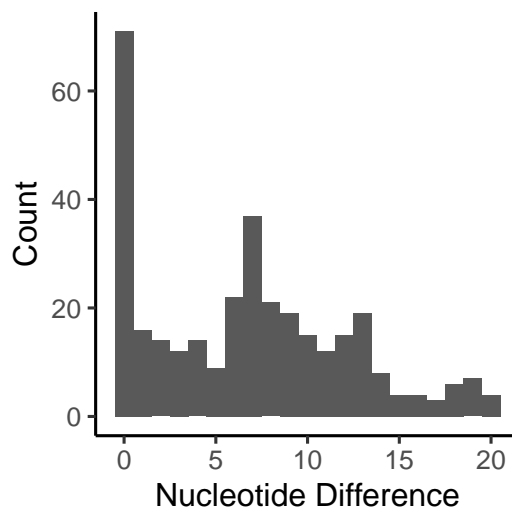
IGHV1-2*04

91 sequences assigned
13 (14.3%) exact matches, in which:
13 unique CDR3
4 unique J



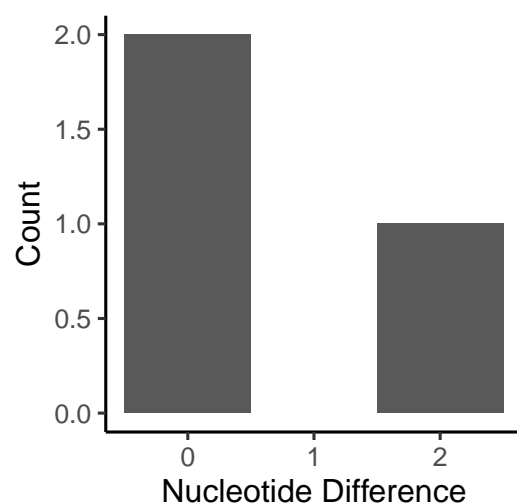
IGHV1-18*01

420 sequences assigned
71 (16.9%) exact matches, in which:
71 unique CDR3
6 unique J



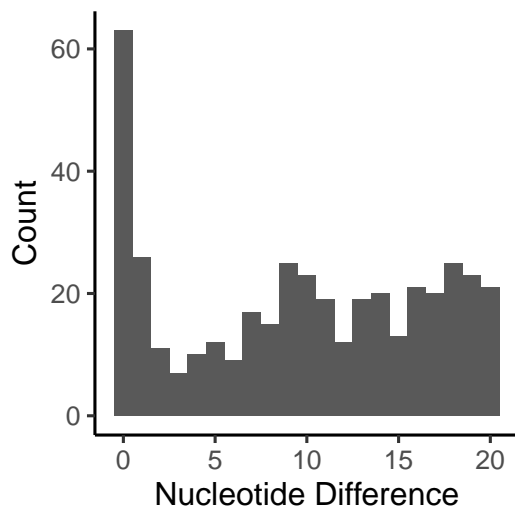
IGHV1-45*02

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



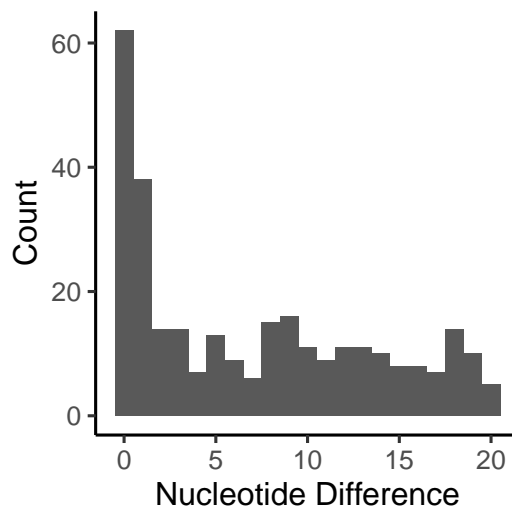
IGHV1-3*01

546 sequences assigned
63 (11.5%) exact matches, in which:
61 unique CDR3
5 unique J



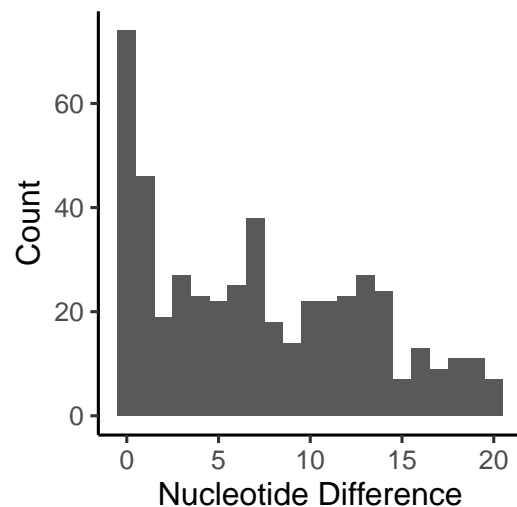
IGHV1-18*04

388 sequences assigned
62 (16%) exact matches, in which:
61 unique CDR3
5 unique J



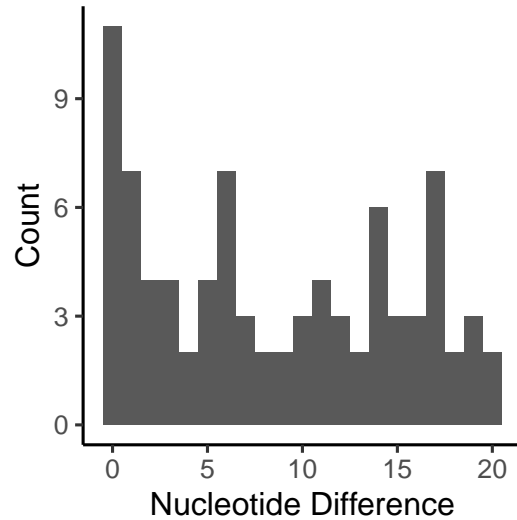
IGHV1-46*01

621 sequences assigned
74 (11.9%) exact matches, in which:
73 unique CDR3
5 unique J



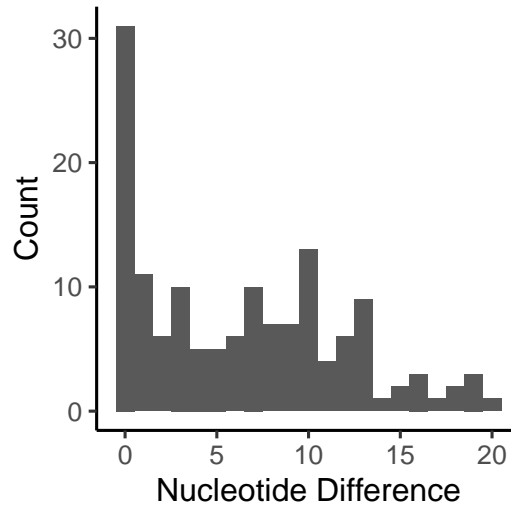
IGHV1-58*01

97 sequences assigned
11 (11.3%) exact matches, in which:
11 unique CDR3
3 unique J



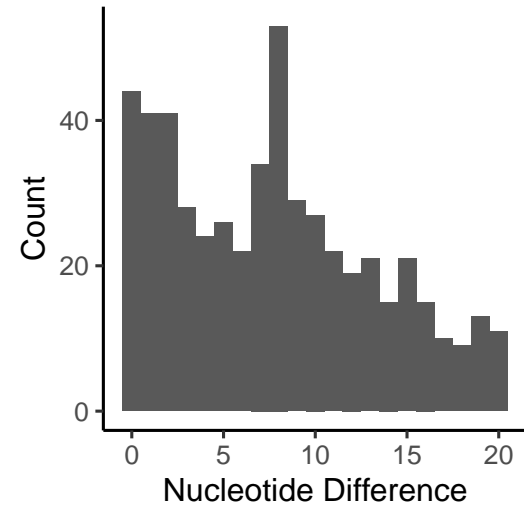
IGHV2-70*01

153 sequences assigned
31 (20.3%) exact matches, in which:
31 unique CDR3
4 unique J



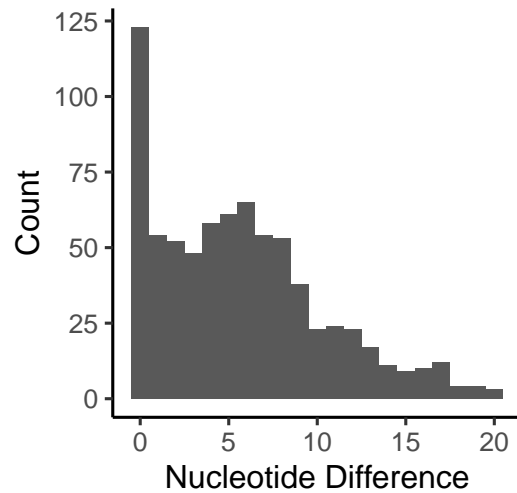
IGHV3-11*01

658 sequences assigned
44 (6.7%) exact matches, in which:
39 unique CDR3
5 unique J



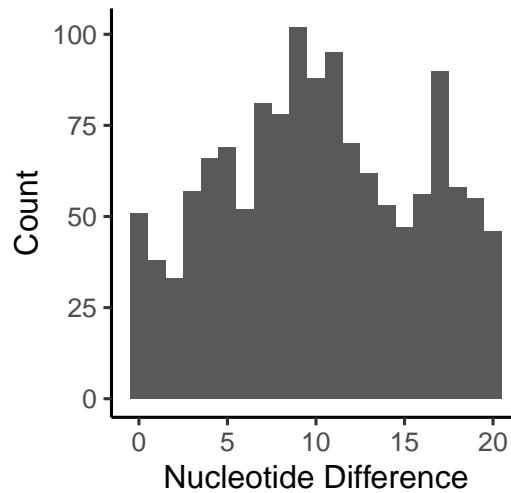
IGHV2-5*01

772 sequences assigned
123 (15.9%) exact matches, in which:
122 unique CDR3
6 unique J



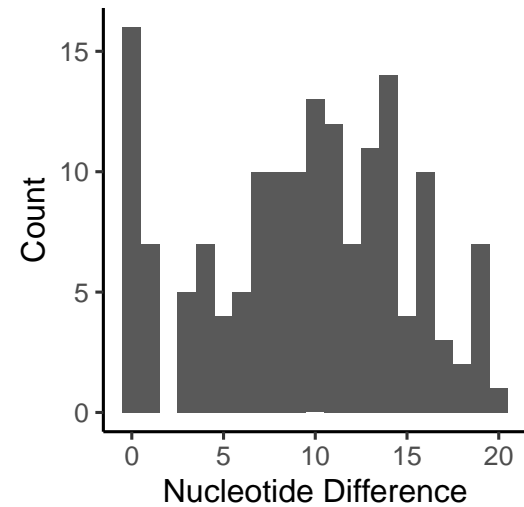
IGHV3-7*01

1626 sequences assigned
51 (3.1%) exact matches, in which:
51 unique CDR3
4 unique J



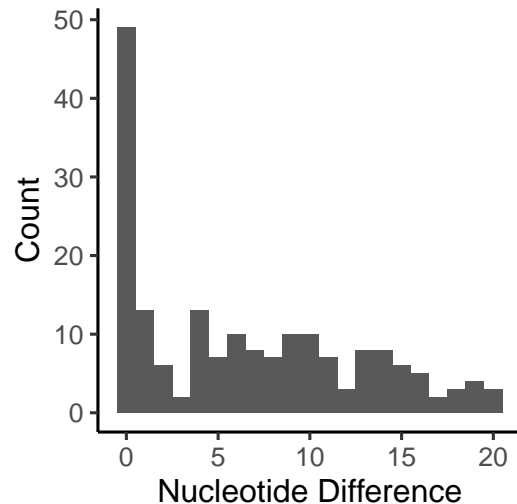
IGHV3-13*01

192 sequences assigned
16 (8.3%) exact matches, in which:
16 unique CDR3
3 unique J



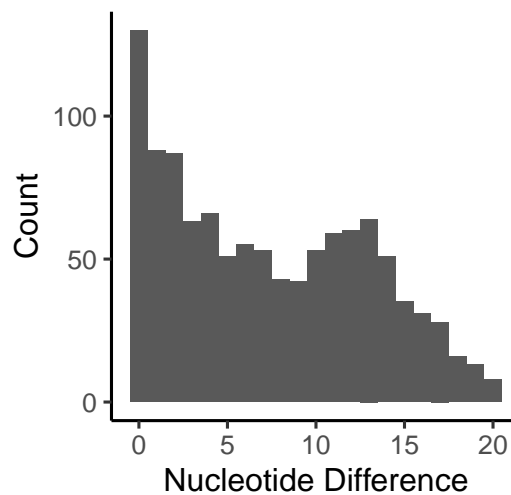
IGHV2-26*01

197 sequences assigned
49 (24.9%) exact matches, in which:
49 unique CDR3
5 unique J



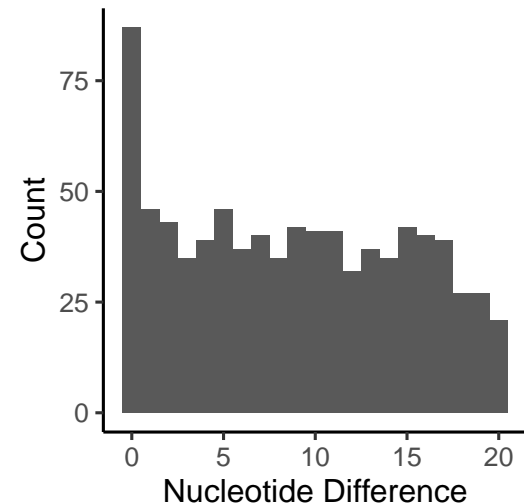
IGHV3-9*01

1263 sequences assigned
130 (10.3%) exact matches, in which:
128 unique CDR3
5 unique J



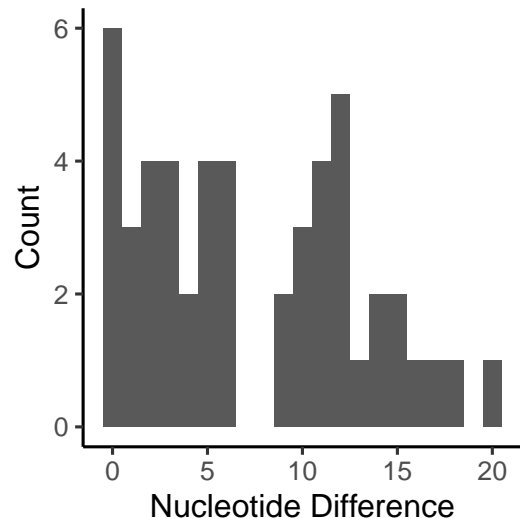
IGHV3-15*01

1331 sequences assigned
87 (6.5%) exact matches, in which:
87 unique CDR3
5 unique J



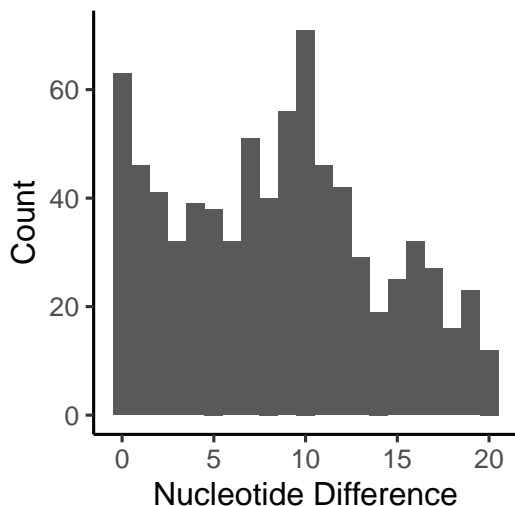
IGHV3–20*01

53 sequences assigned
6 (11.3%) exact matches, in which:
6 unique CDR3
4 unique J



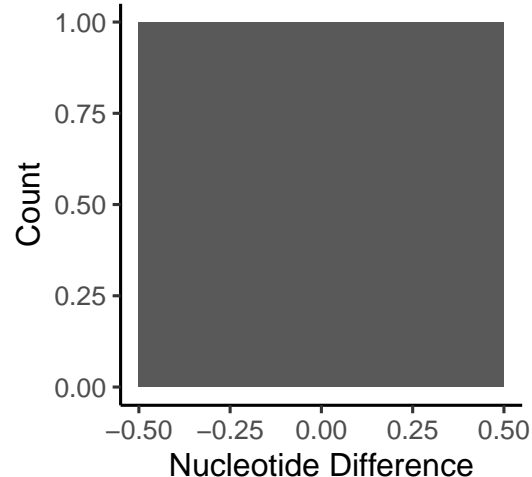
IGHV3–33*01

1052 sequences assigned
63 (6%) exact matches, in which:
63 unique CDR3
5 unique J



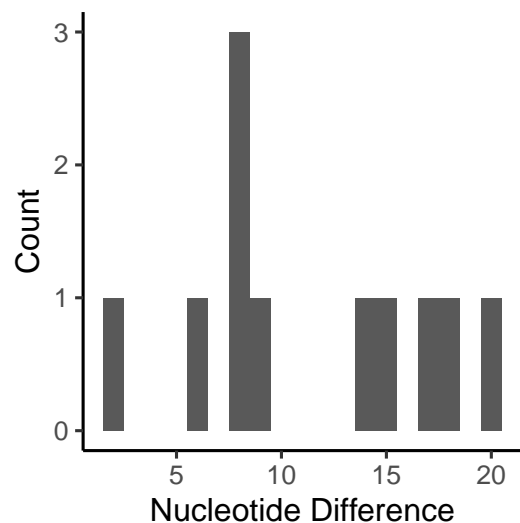
IGHV3–47*02

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



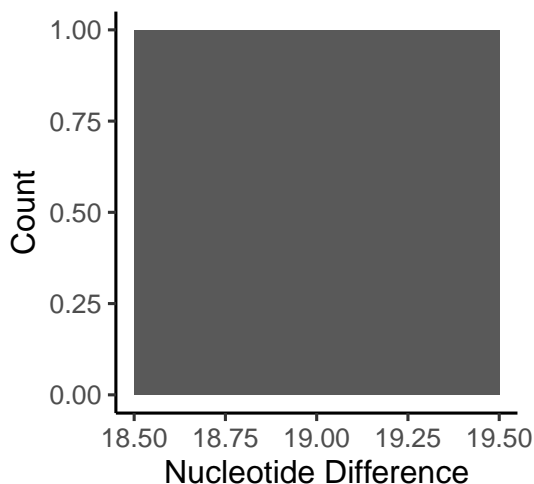
IGHV3–20*04

18 sequences assigned
No exact matches.



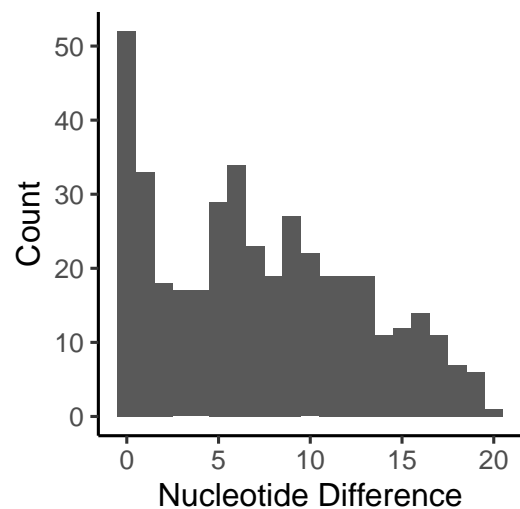
IGHV3–41*02

1 sequences assigned
No exact matches.



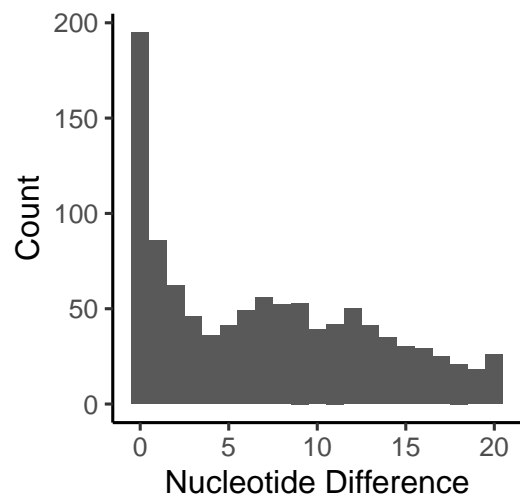
IGHV3–48*01

464 sequences assigned
52 (11.2%) exact matches, in which:
49 unique CDR3
6 unique J



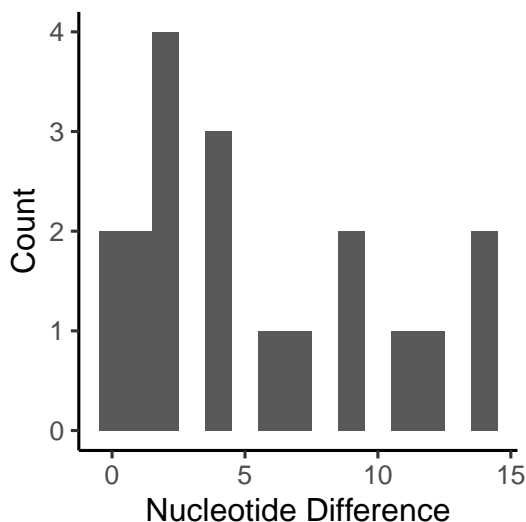
IGHV3–21*01

1260 sequences assigned
195 (15.5%) exact matches, in which:
191 unique CDR3
5 unique J



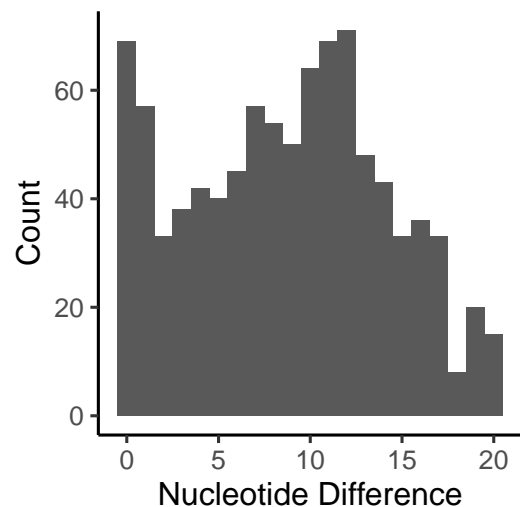
IGHV3–43*01

45 sequences assigned
2 (4.4%) exact matches, in which:
2 unique CDR3
1 unique J



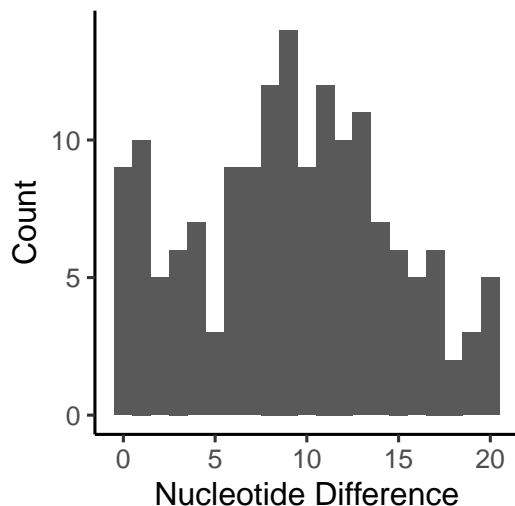
IGHV3–48*03

1106 sequences assigned
69 (6.2%) exact matches, in which:
69 unique CDR3
5 unique J



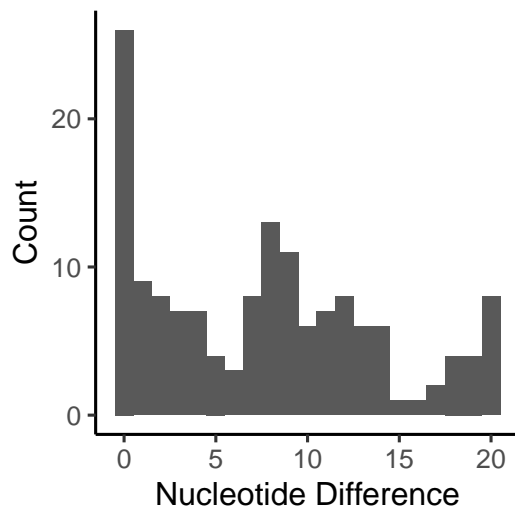
IGHV3-49*03

217 sequences assigned
9 (4.1%) exact matches, in which:
8 unique CDR3
3 unique J



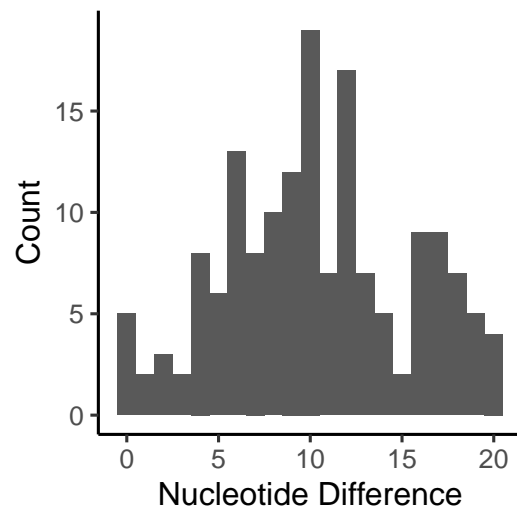
IGHV3-53*02

202 sequences assigned
26 (12.9%) exact matches, in which:
26 unique CDR3
5 unique J



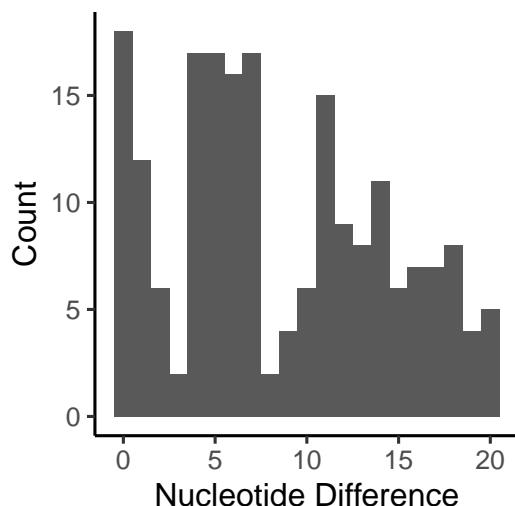
IGHV3-72*01

194 sequences assigned
5 (2.6%) exact matches, in which:
5 unique CDR3
4 unique J



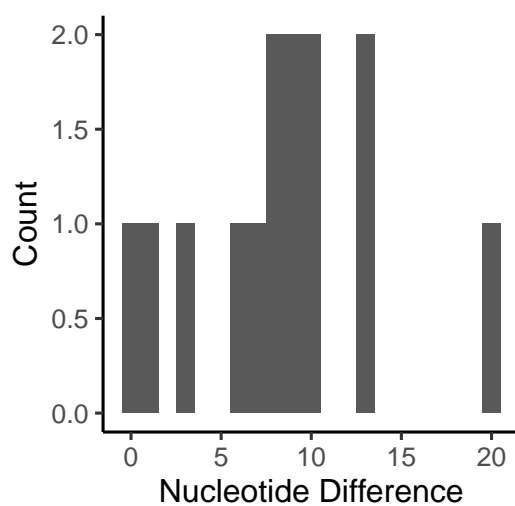
IGHV3-49*04

260 sequences assigned
18 (6.9%) exact matches, in which:
18 unique CDR3
2 unique J



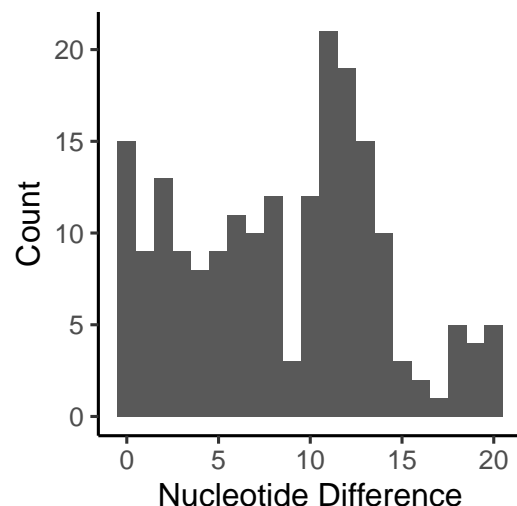
IGHV3-64*02

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



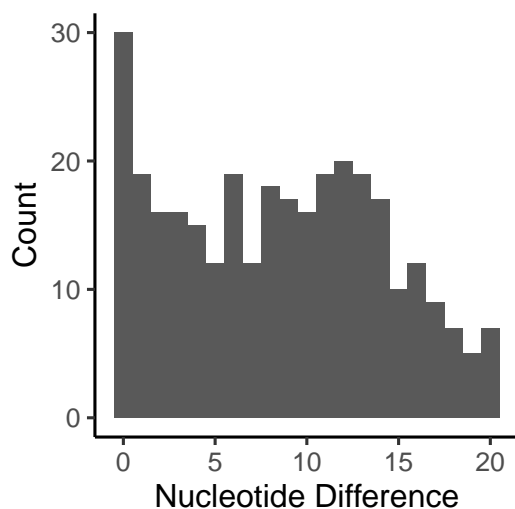
IGHV3-73*02

242 sequences assigned
15 (6.2%) exact matches, in which:
15 unique CDR3
4 unique J



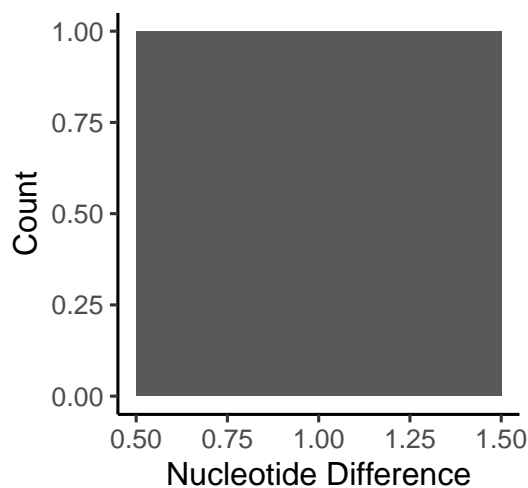
IGHV3-53*01

367 sequences assigned
30 (8.2%) exact matches, in which:
30 unique CDR3
5 unique J



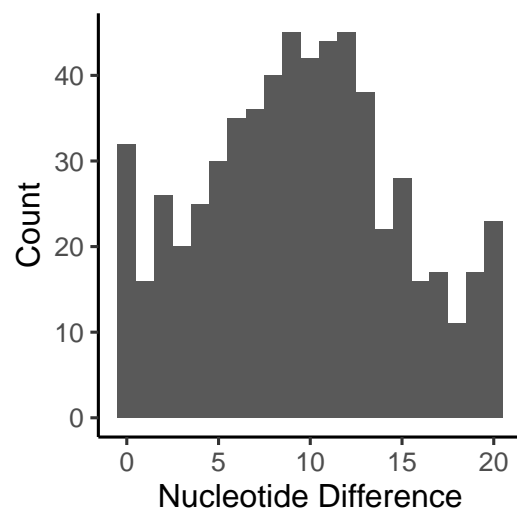
IGHV3-66*03

1 sequences assigned
No exact matches.



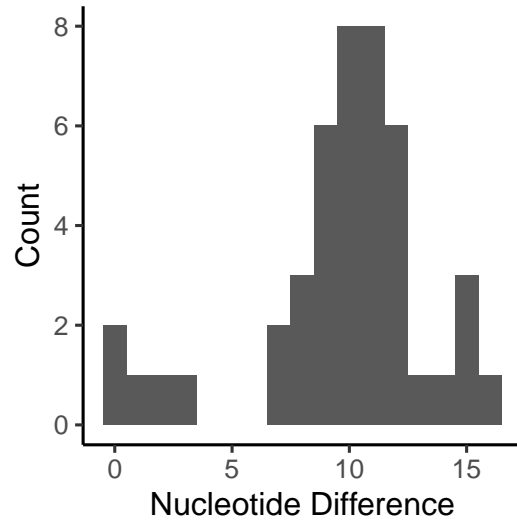
IGHV3-74*01

716 sequences assigned
32 (4.5%) exact matches, in which:
30 unique CDR3
6 unique J



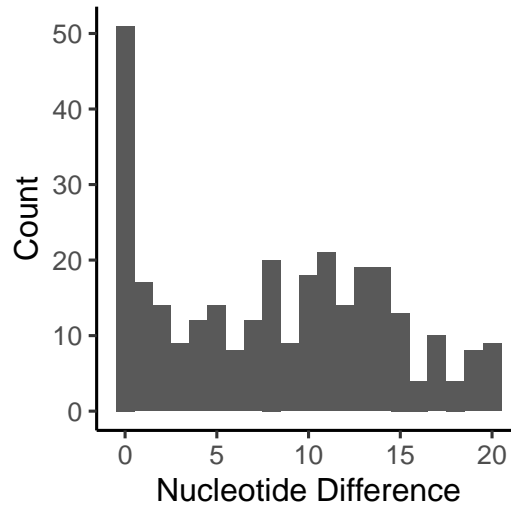
IGHV3-43D*04

47 sequences assigned
2 (4.3%) exact matches, in which:
2 unique CDR3
2 unique J



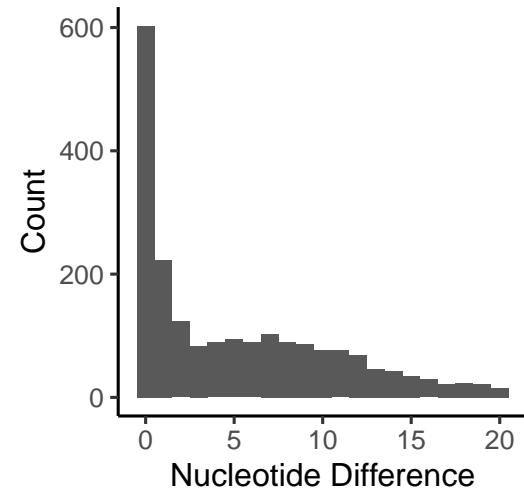
IGHV4-4*07

362 sequences assigned
51 (14.1%) exact matches, in which:
51 unique CDR3
6 unique J



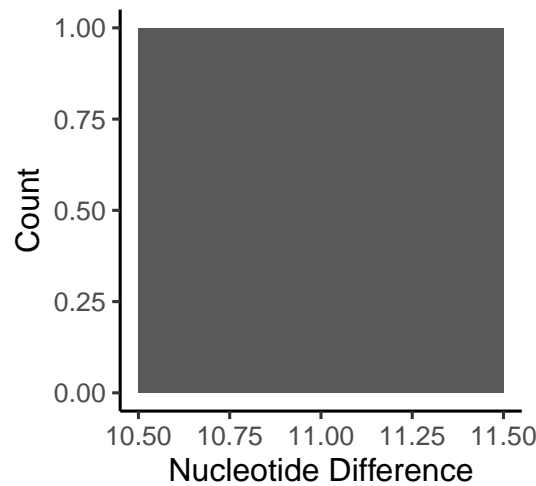
IGHV4-34*01

2462 sequences assigned
603 (24.5%) exact matches, in which:
593 unique CDR3
6 unique J



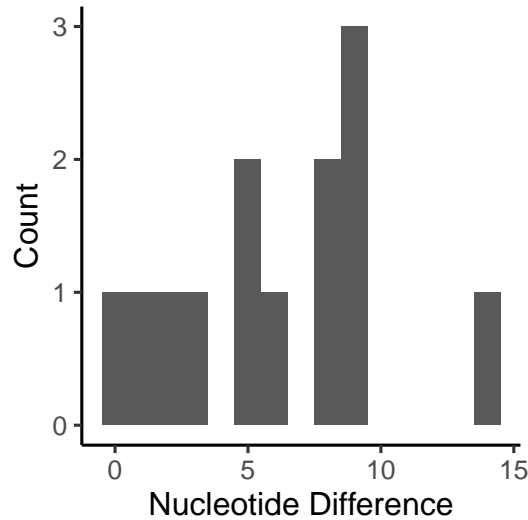
IGHV3-NL1*01

1 sequences assigned
No exact matches.



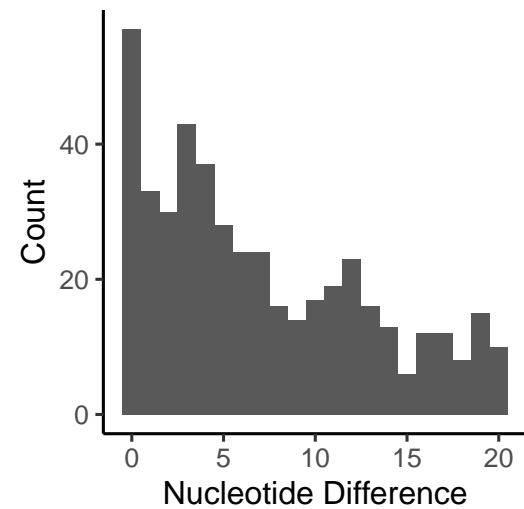
IGHV4-28*01

13 sequences assigned
1 (7.7%) exact matches, in which:
1 unique CDR3
1 unique J



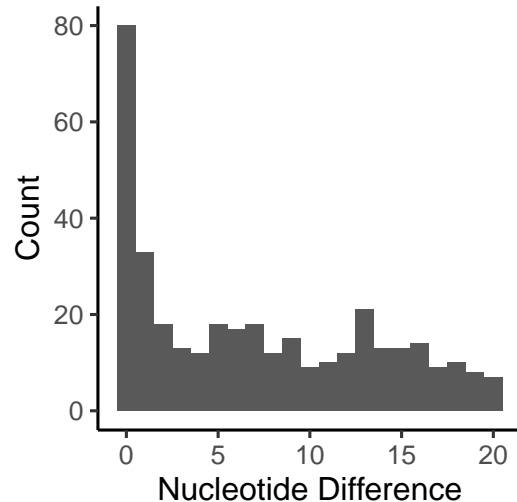
IGHV4-38-2*02_A70G

562 sequences assigned
57 (10.1%) exact matches, in which:
56 unique CDR3
5 unique J



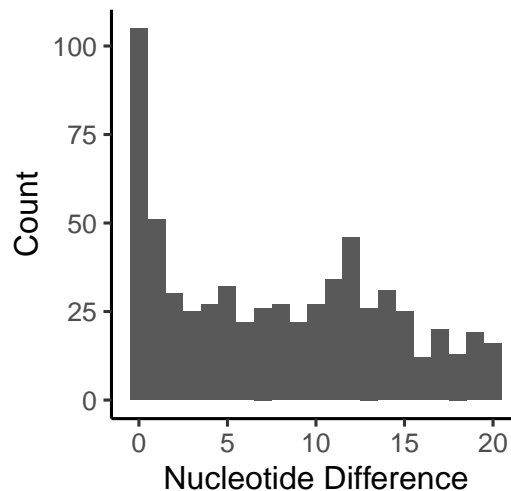
IGHV4-4*02

429 sequences assigned
80 (18.6%) exact matches, in which:
80 unique CDR3
5 unique J



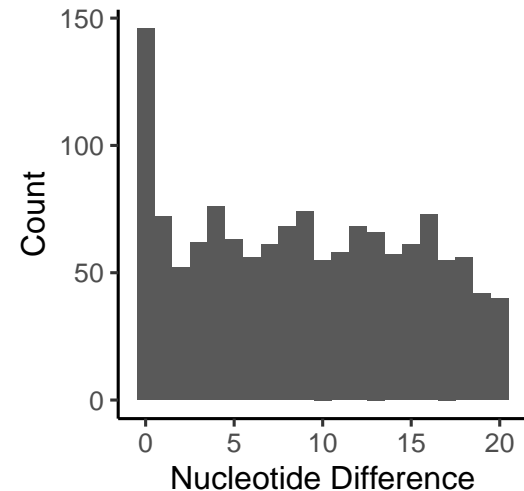
IGHV4-31*03

824 sequences assigned
105 (12.7%) exact matches, in which:
102 unique CDR3
6 unique J



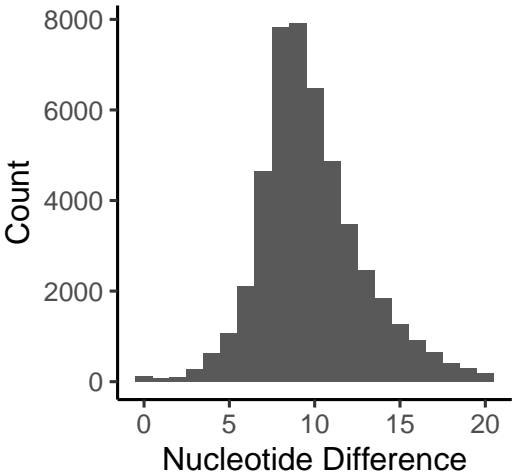
IGHV4-39*01

1713 sequences assigned
146 (8.5%) exact matches, in which:
144 unique CDR3
6 unique J



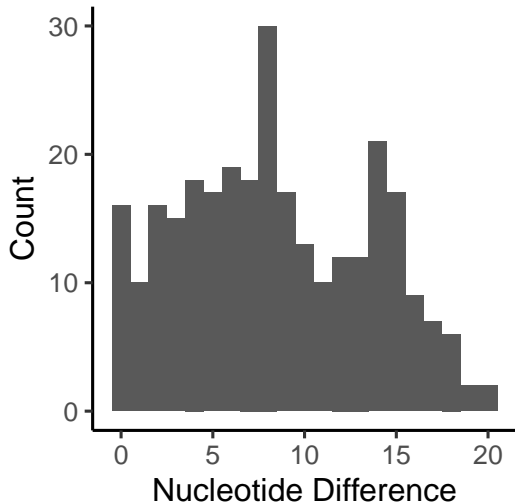
IGHV4-59*01

48124 sequences assigned
127 (0.3%) exact matches, in which:
126 unique CDR3
6 unique J



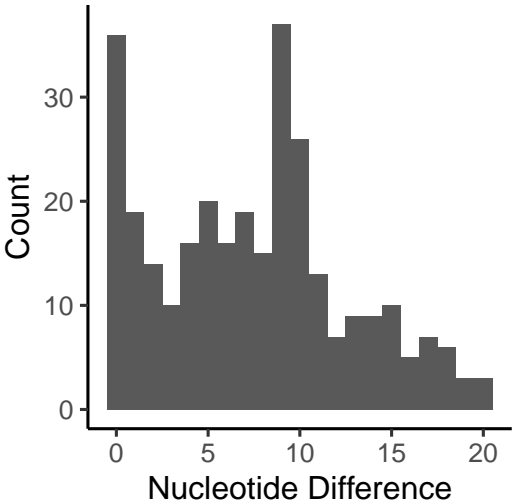
IGHV6-1*01

296 sequences assigned
16 (5.4%) exact matches, in which:
16 unique CDR3
3 unique J



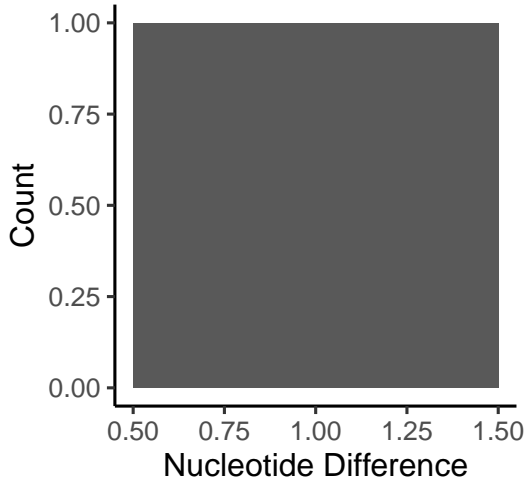
IGHV4-61*01

386 sequences assigned
36 (9.3%) exact matches, in which:
36 unique CDR3
6 unique J



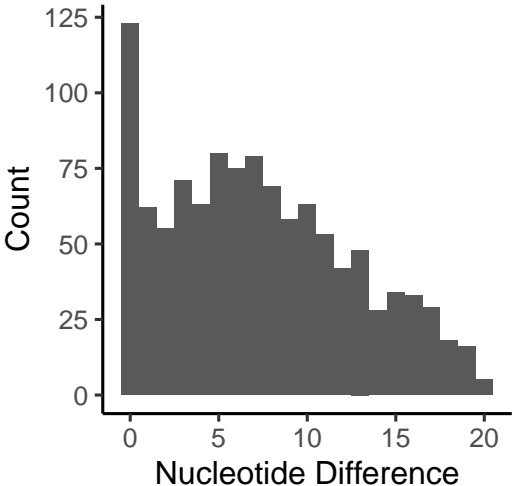
IGHV3/OR16-6*02

1 sequences assigned
No exact matches.



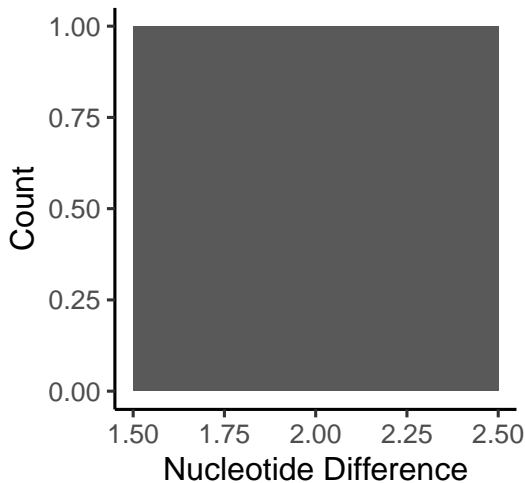
IGHV5-51*01

1178 sequences assigned
123 (10.4%) exact matches, in which:
123 unique CDR3
6 unique J



IGHV7-4-1*01

1 sequences assigned
No exact matches.





Warning – no inferred sequences found.