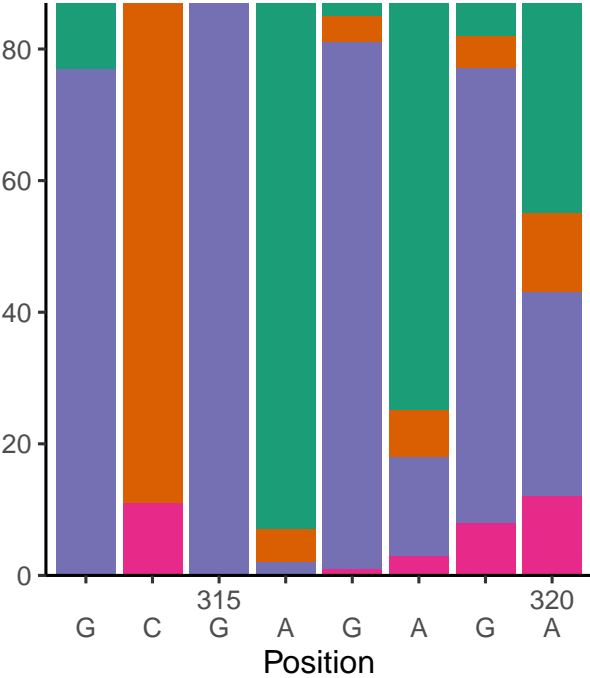
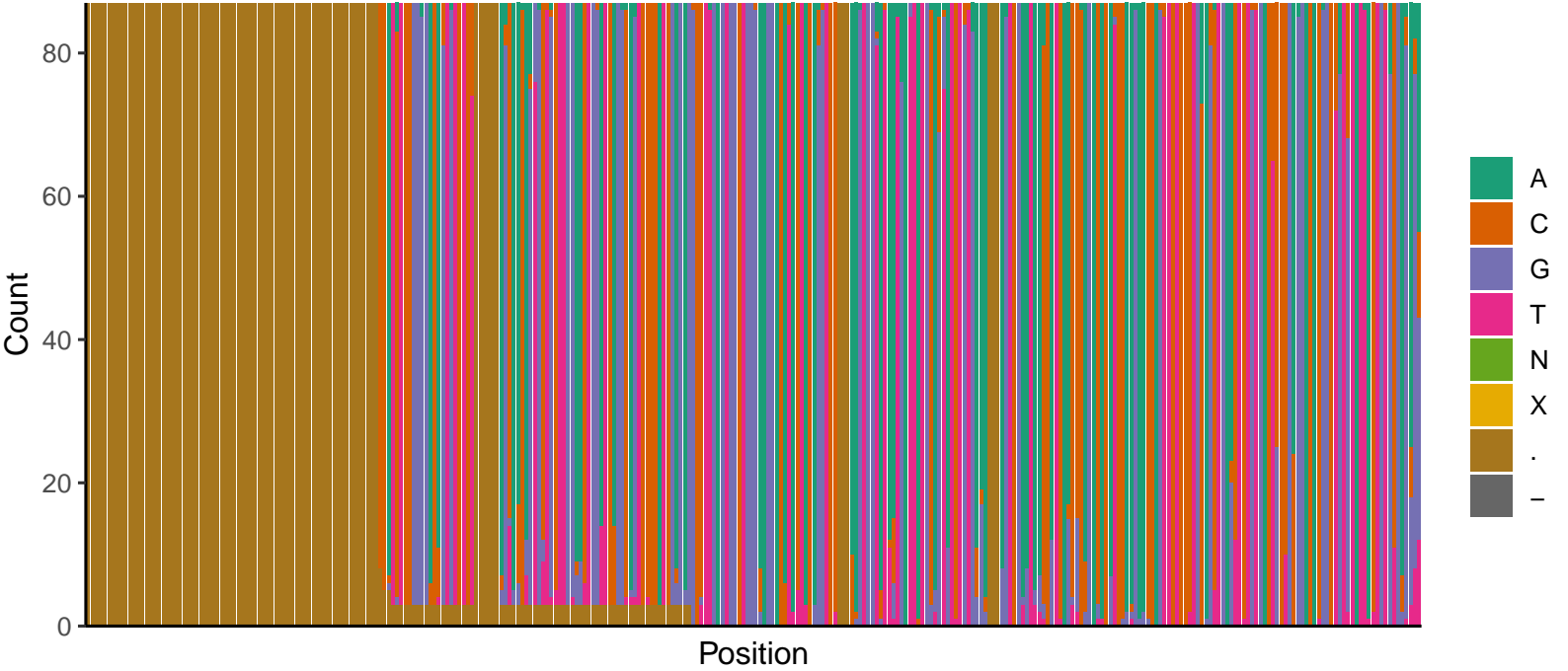


Gene IGHV6-1*01_02_A315G

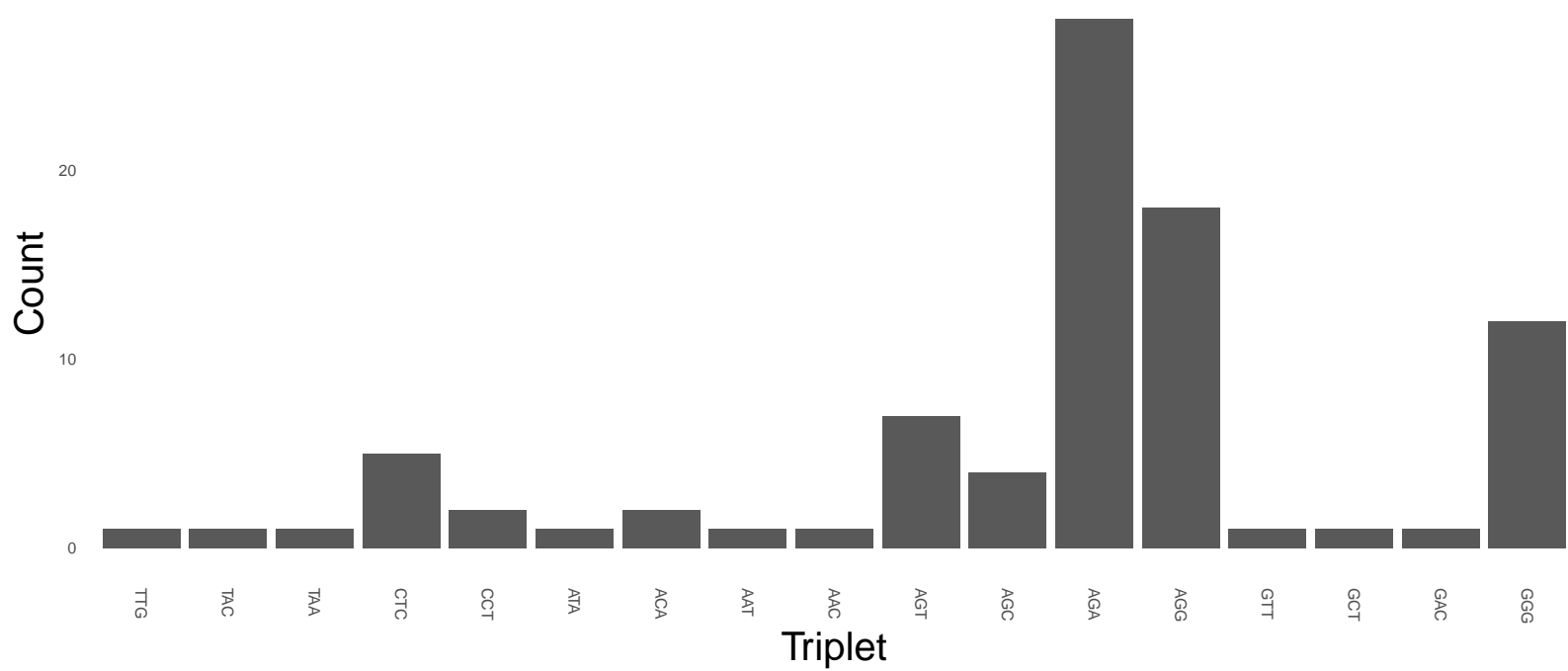
Count



Gene IGHV6-1*01_02_A315G

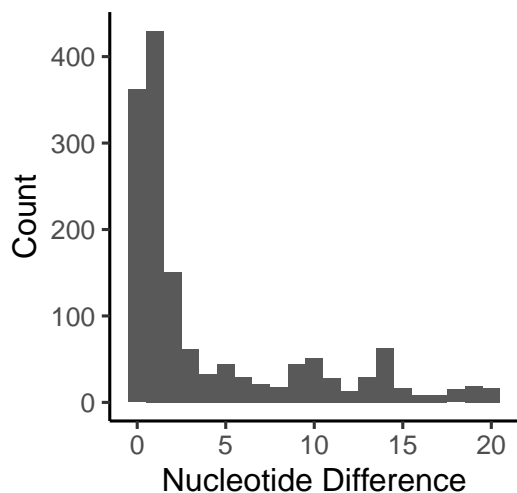


IGHV6-1*01_02_A315G- Final 3 nucleotides as a triplet



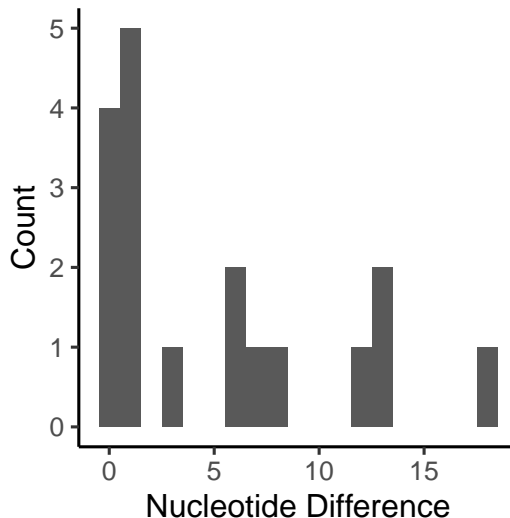
IGHV1-2*04

1539 sequences assigned
362 (23.5%) exact matches, in which:
289 unique CDR3
6 unique J



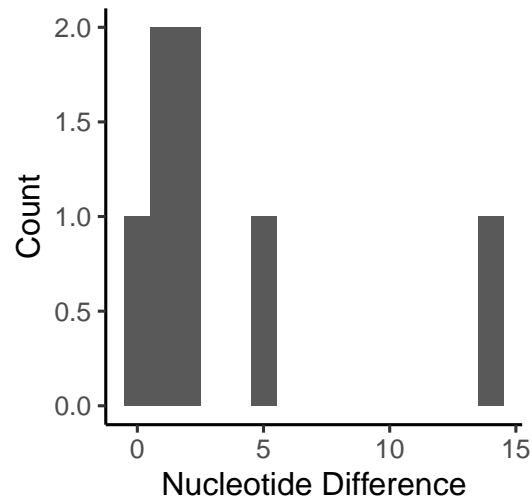
IGHV1-8*01

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



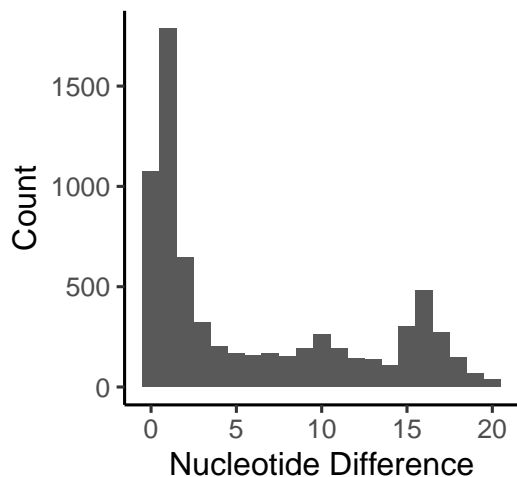
IGHV1-45*02

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



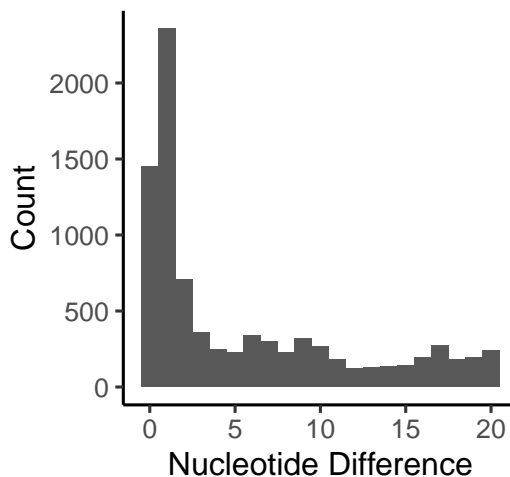
IGHV1-2*06

8317 sequences assigned
1074 (12.9%) exact matches, in which:
800 unique CDR3
6 unique J



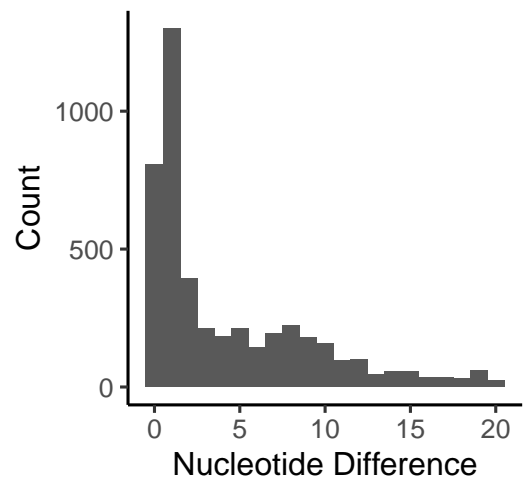
IGHV1-18*01

10513 sequences assigned
1452 (13.8%) exact matches, in which:
1114 unique CDR3
6 unique J



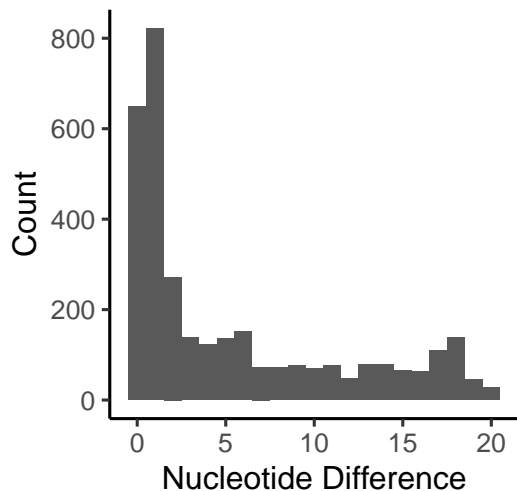
IGHV1-46*01

4800 sequences assigned
807 (16.8%) exact matches, in which:
604 unique CDR3
6 unique J



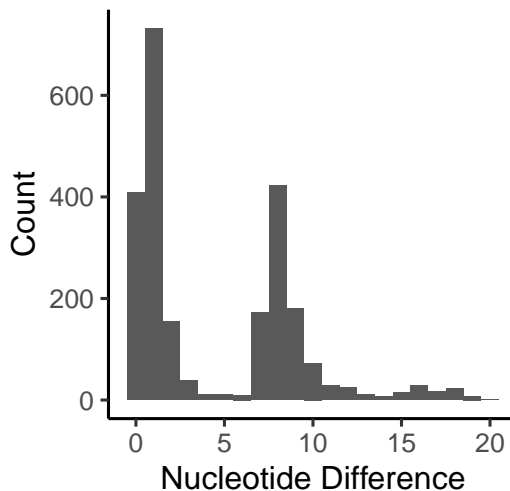
IGHV1-3*01_05

4191 sequences assigned
650 (15.5%) exact matches, in which:
517 unique CDR3
6 unique J



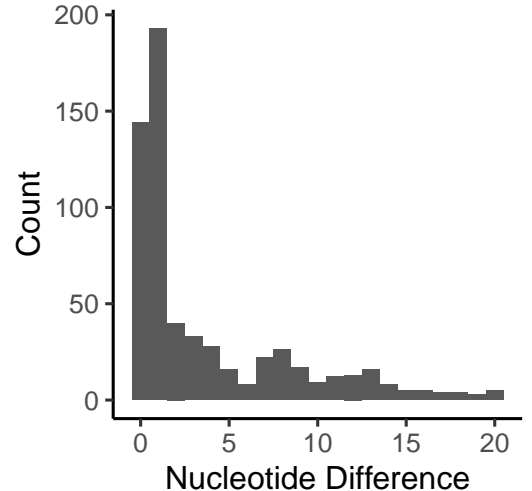
IGHV1-24*01

2488 sequences assigned
408 (16.4%) exact matches, in which:
264 unique CDR3
6 unique J



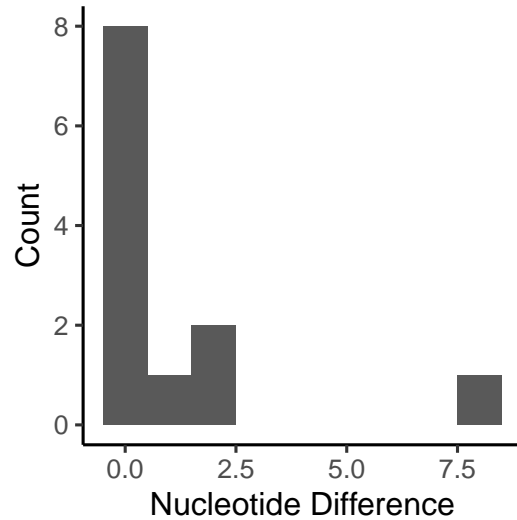
IGHV1-58*01_03

633 sequences assigned
144 (22.7%) exact matches, in which:
111 unique CDR3
6 unique J



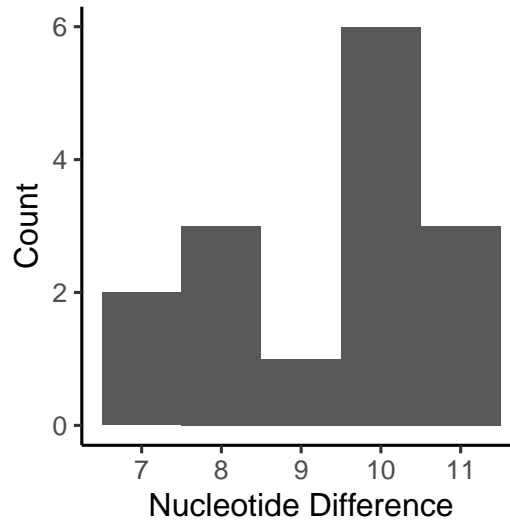
IGHV1-69-2*01

19 sequences assigned
8 (42.1%) exact matches, in which:
7 unique CDR3
3 unique J



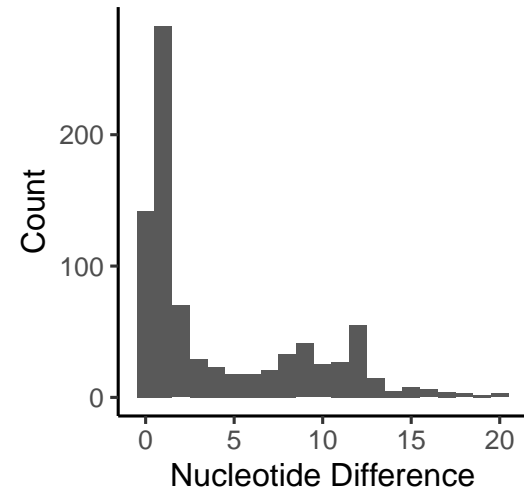
IGHV1-NL1*01

15 sequences assigned
No exact matches.



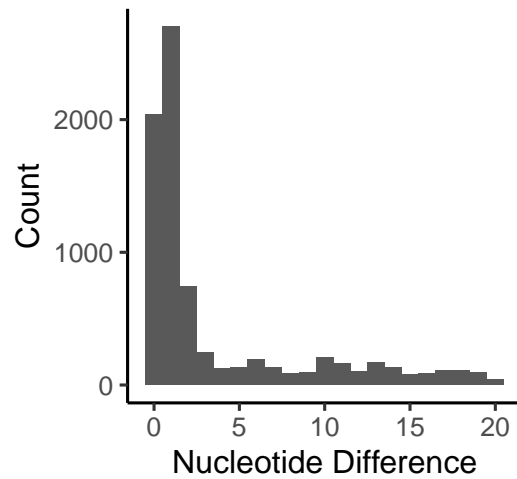
IGHV2-70*01

918 sequences assigned
142 (15.5%) exact matches, in which:
87 unique CDR3
4 unique J



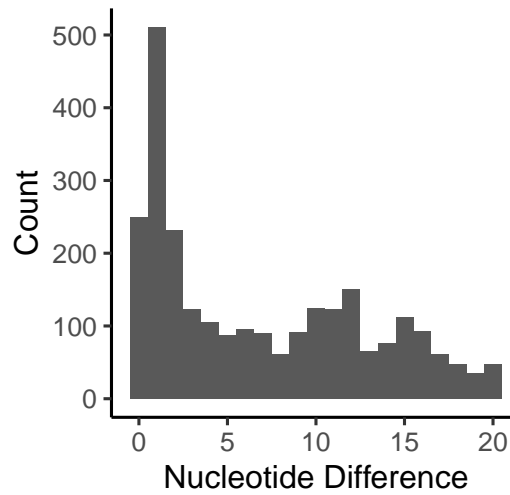
IGHV1-69*01_12_13

8367 sequences assigned
2042 (24.4%) exact matches, in which:
1629 unique CDR3
6 unique J



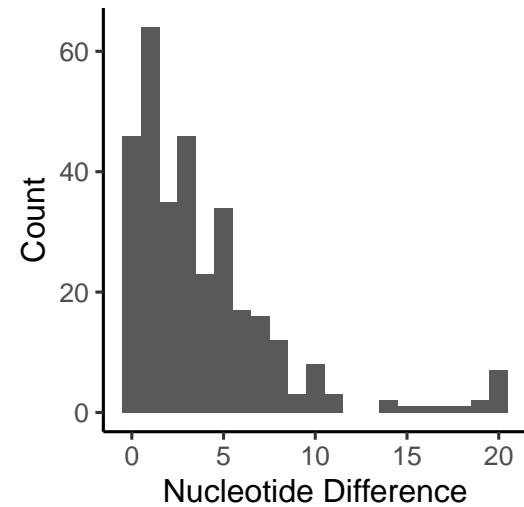
IGHV2-5*02

3301 sequences assigned
250 (7.6%) exact matches, in which:
184 unique CDR3
5 unique J



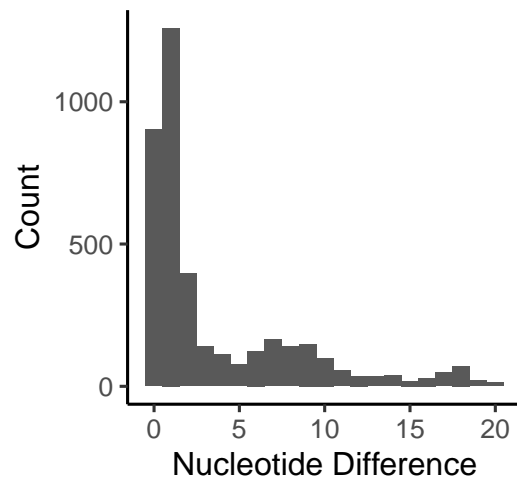
IGHV2-70*04

448 sequences assigned
46 (10.3%) exact matches, in which:
31 unique CDR3
4 unique J



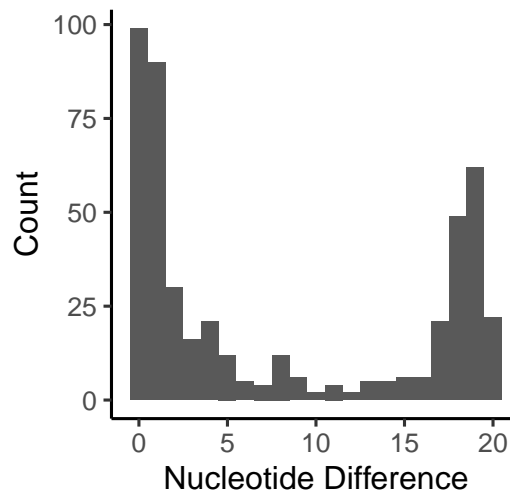
IGHV1-69*06_14

4165 sequences assigned
903 (21.7%) exact matches, in which:
728 unique CDR3
6 unique J



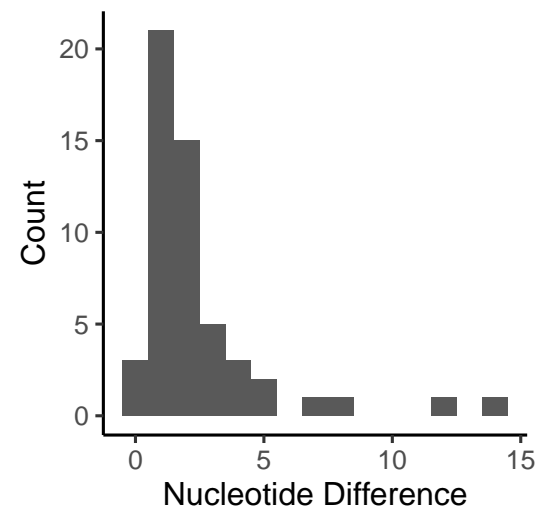
IGHV2-26*01

505 sequences assigned
99 (19.6%) exact matches, in which:
83 unique CDR3
5 unique J



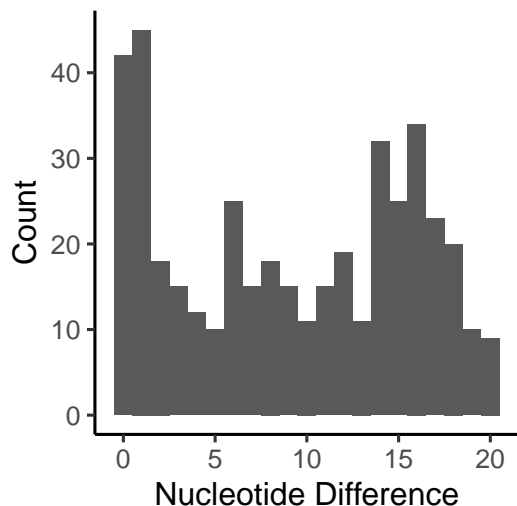
IGHV2-70*12

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



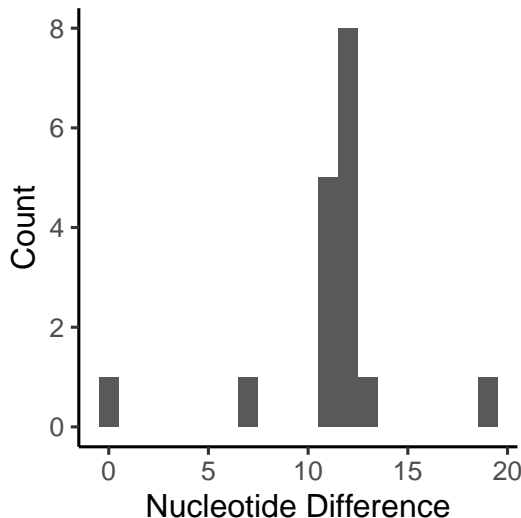
IGHV3-7*02

463 sequences assigned
42 (9.1%) exact matches, in which:
40 unique CDR3
5 unique J



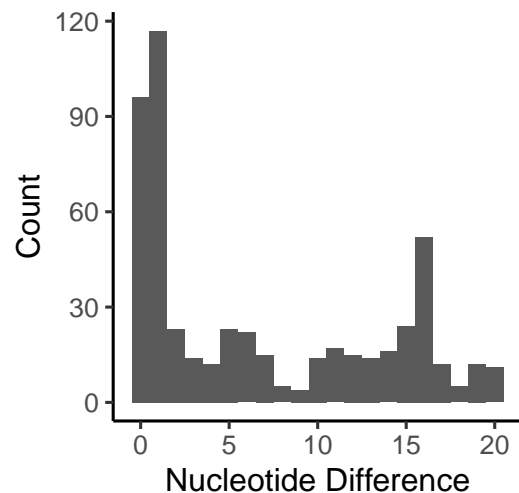
IGHV3-9*01

17 sequences assigned
1 (5.9%) exact matches, in which:
1 unique CDR3
1 unique J



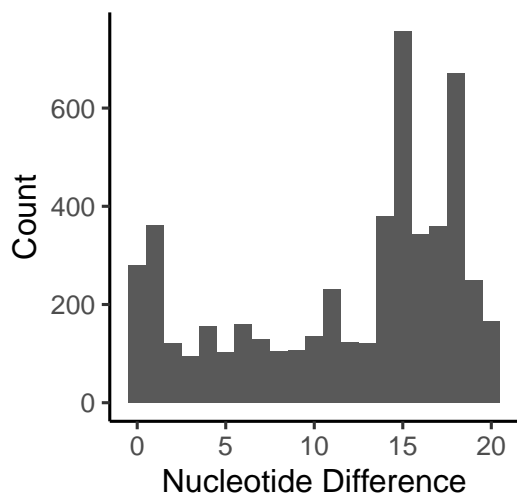
IGHV3-13*04

764 sequences assigned
96 (12.6%) exact matches, in which:
61 unique CDR3
5 unique J



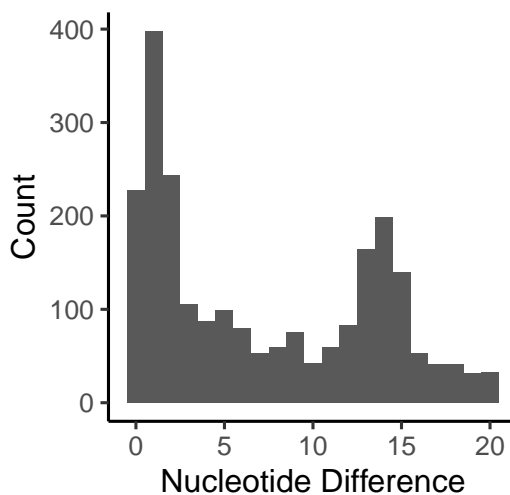
IGHV3-7*04

6088 sequences assigned
280 (4.6%) exact matches, in which:
161 unique CDR3
6 unique J



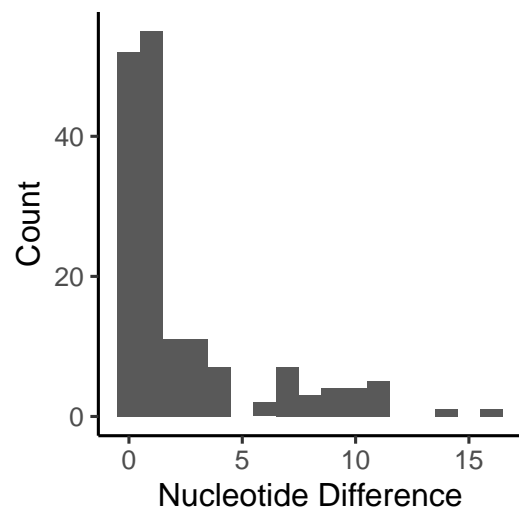
IGHV3-11*06

3573 sequences assigned
228 (6.4%) exact matches, in which:
174 unique CDR3
5 unique J



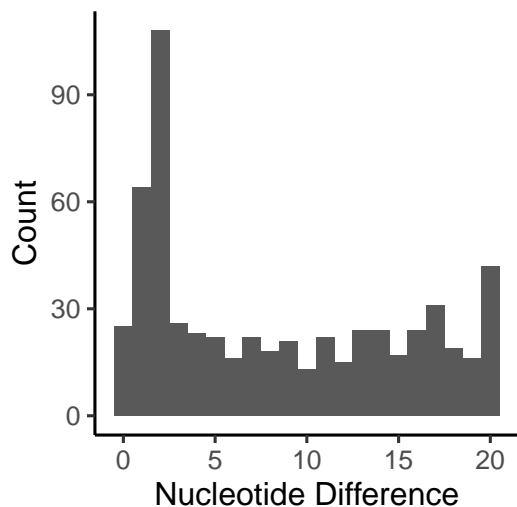
IGHV3-13*05

201 sequences assigned
52 (25.9%) exact matches, in which:
34 unique CDR3
4 unique J



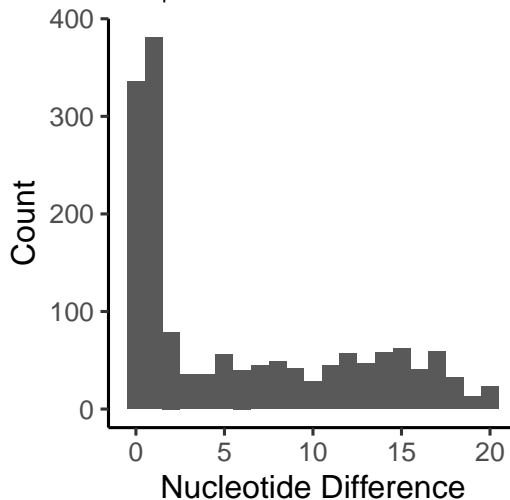
IGHV3-7*05

752 sequences assigned
25 (3.3%) exact matches, in which:
24 unique CDR3
5 unique J



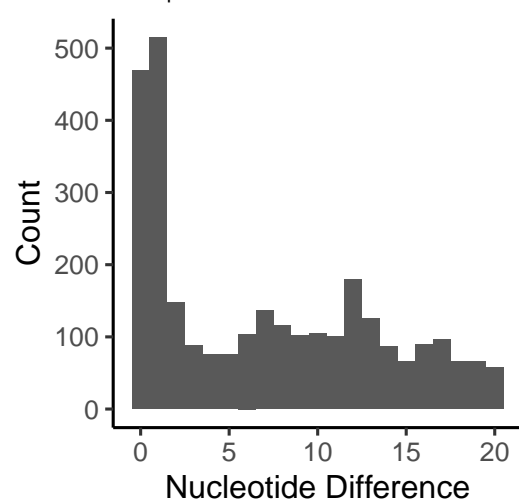
IGHV3-11*03_05

1965 sequences assigned
336 (17.1%) exact matches, in which:
202 unique CDR3
6 unique J



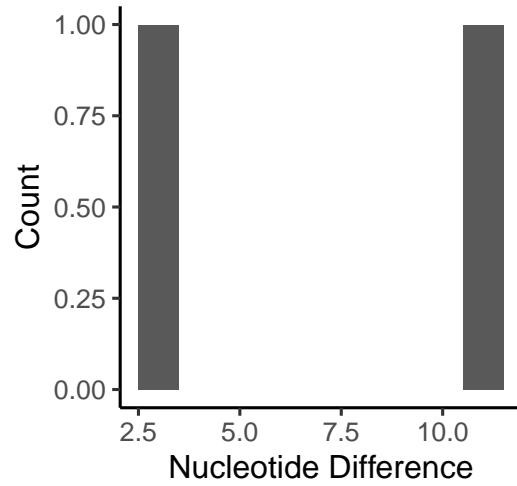
IGHV3-15*01_02

3858 sequences assigned
469 (12.2%) exact matches, in which:
267 unique CDR3
6 unique J



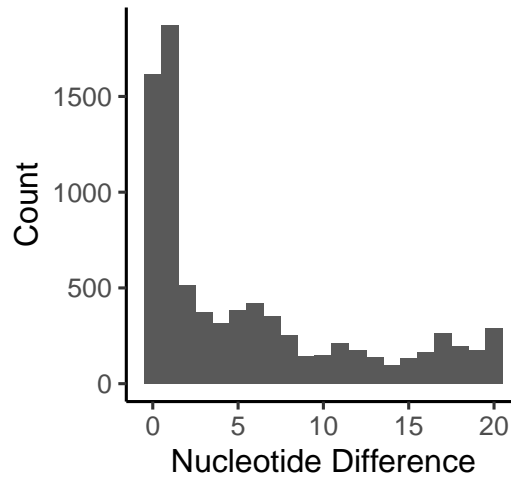
IGHV3-19*01

2 sequences assigned
No exact matches.



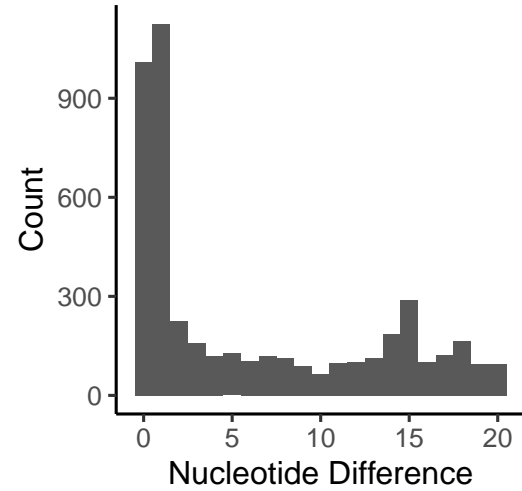
IGHV3-21*01_02

11071 sequences assigned
1617 (14.6%) exact matches, in which:
978 unique CDR3
6 unique J



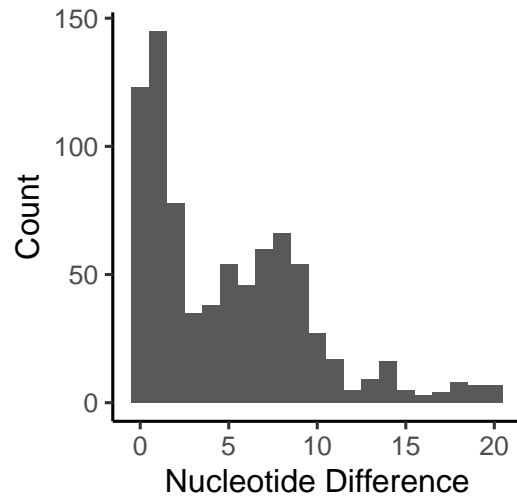
IGHV3-30*01

6618 sequences assigned
1009 (15.2%) exact matches, in which:
643 unique CDR3
6 unique J



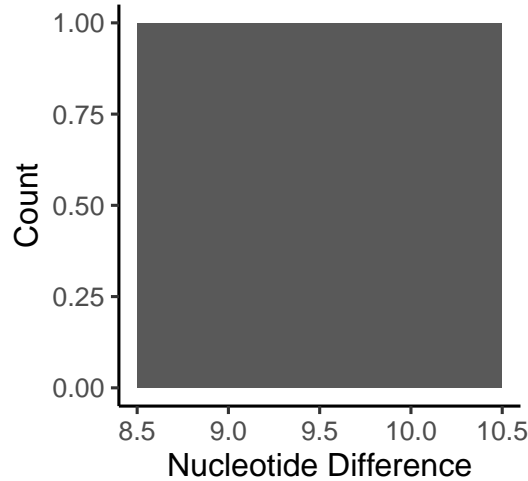
IGHV3-20*03_04

842 sequences assigned
123 (14.6%) exact matches, in which:
76 unique CDR3
5 unique J



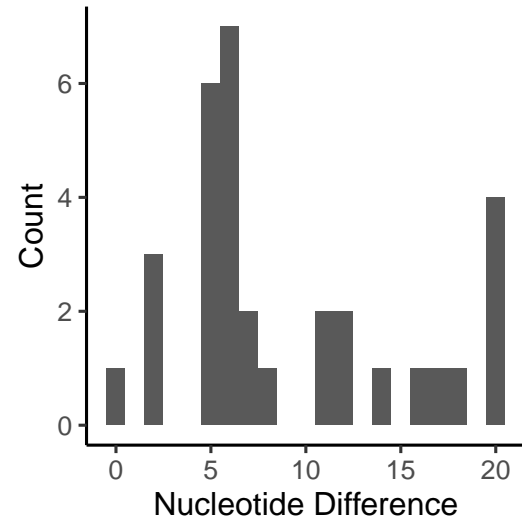
IGHV3-22*01_02

12 sequences assigned
No exact matches.



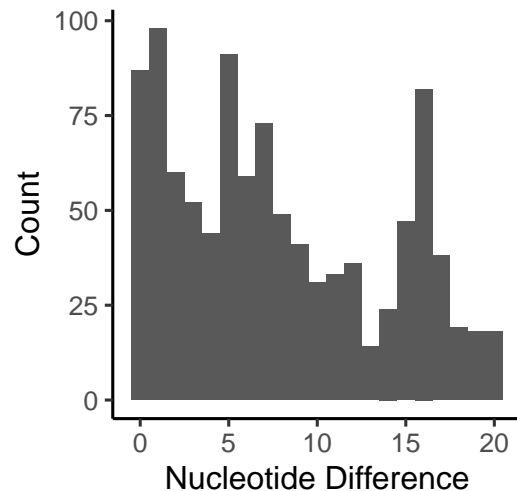
IGHV3-30-3*01

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



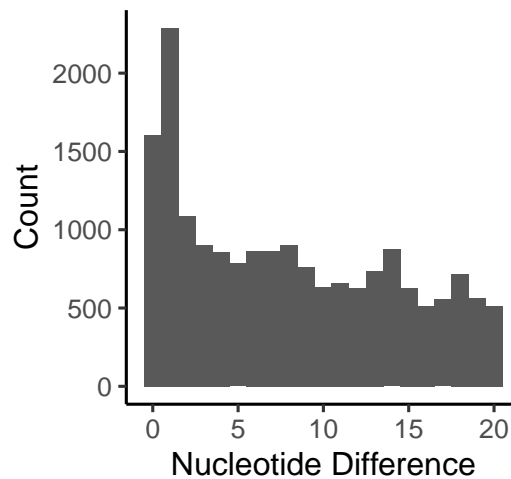
IGHV3-21*04

1181 sequences assigned
87 (7.4%) exact matches, in which:
74 unique CDR3
6 unique J



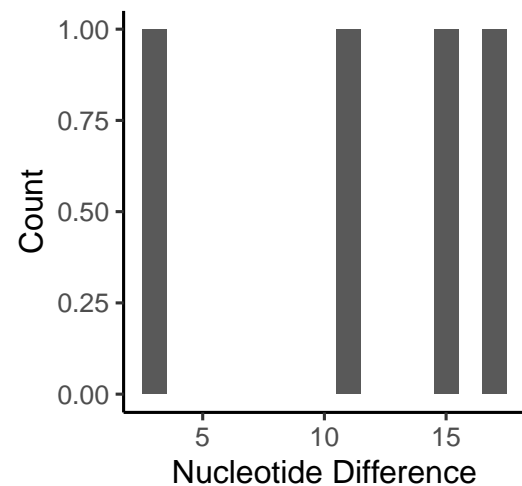
IGHV3-23*01_04

28211 sequences assigned
1604 (5.7%) exact matches, in which:
925 unique CDR3
6 unique J



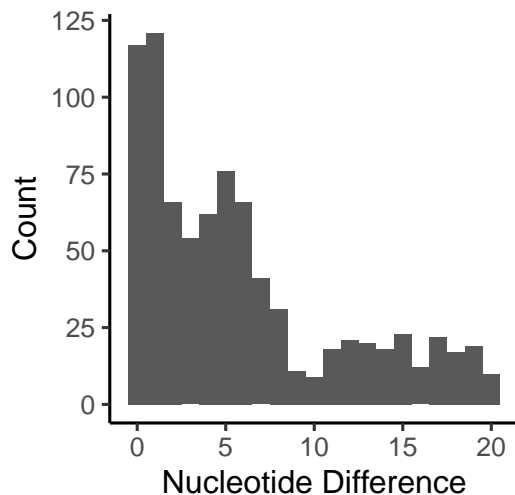
IGHV3-30-3*02

24 sequences assigned
No exact matches.



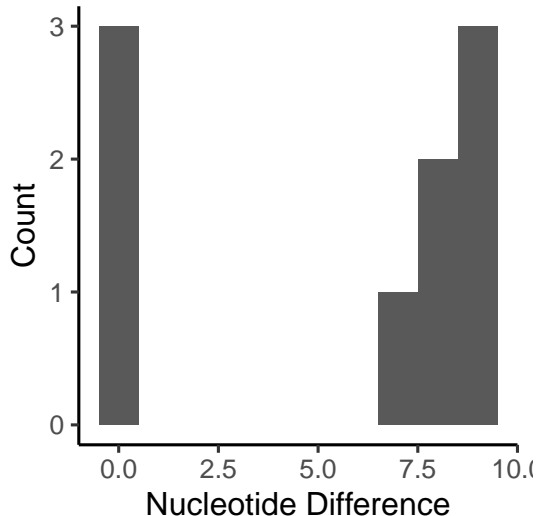
IGHV3-30*07

977 sequences assigned
117 (12%) exact matches, in which:
106 unique CDR3
6 unique J



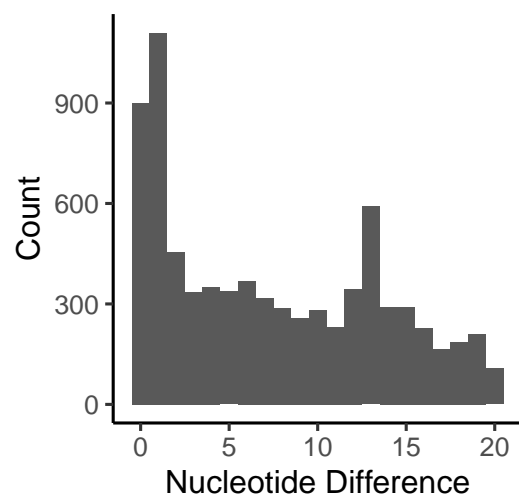
IGHV3-35*01

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



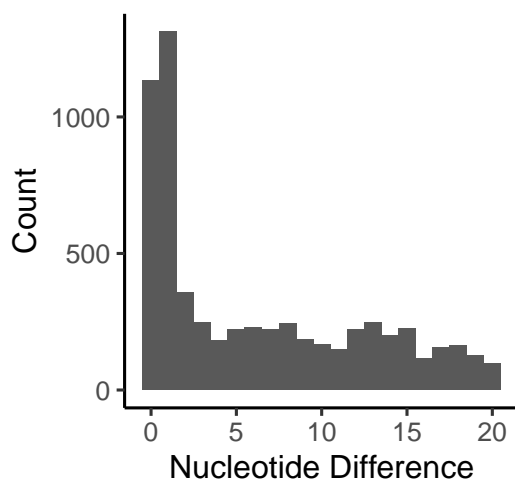
IGHV3-48*03

9670 sequences assigned
900 (9.3%) exact matches, in which:
554 unique CDR3
6 unique J



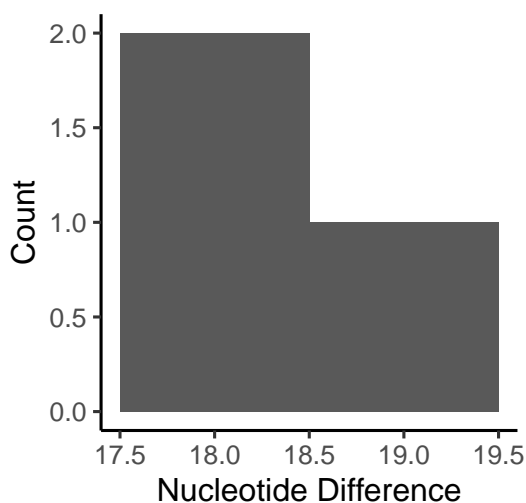
IGHV3-33*01

8720 sequences assigned
1134 (13%) exact matches, in which:
725 unique CDR3
6 unique J



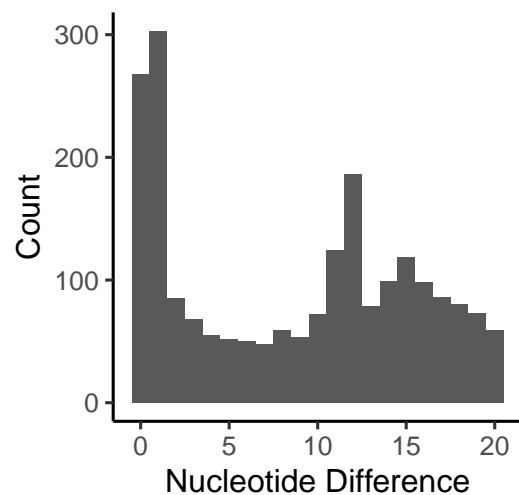
IGHV3-43*01

14 sequences assigned
No exact matches.



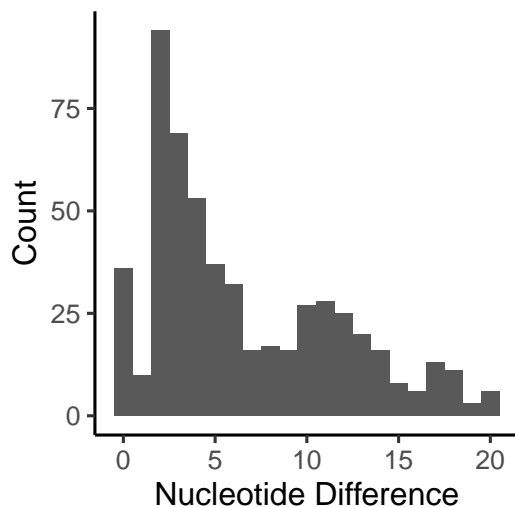
IGHV3-49*04

5127 sequences assigned
268 (5.2%) exact matches, in which:
158 unique CDR3
6 unique J



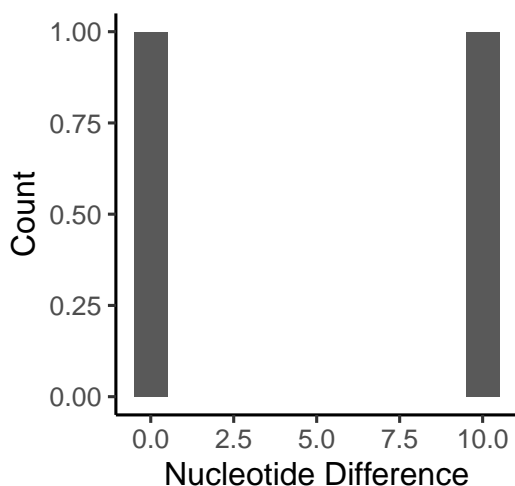
IGHV3-33*06

731 sequences assigned
36 (4.9%) exact matches, in which:
36 unique CDR3
6 unique J



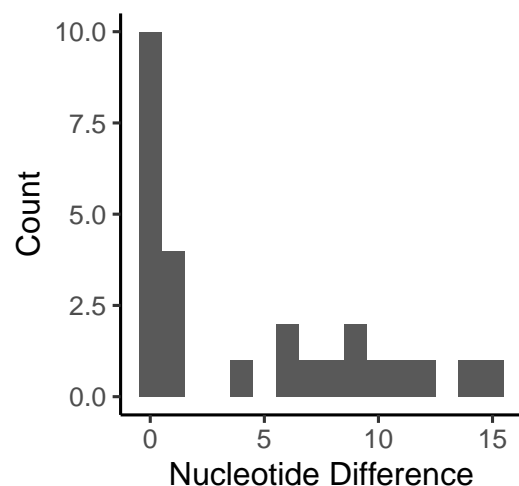
IGHV3-47*01

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



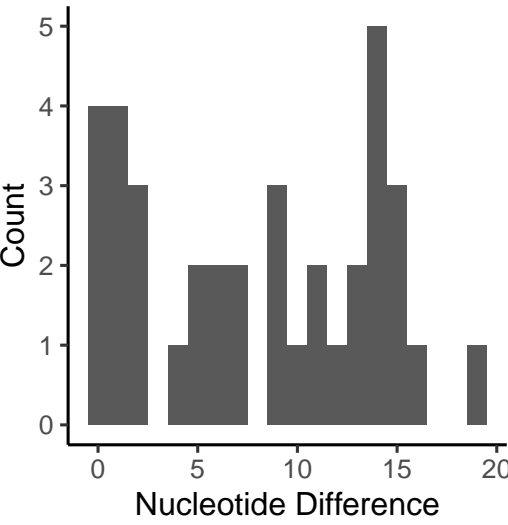
IGHV3-52*01_03

26 sequences assigned
10 (38.5%) exact matches, in which:
6 unique CDR3
4 unique J



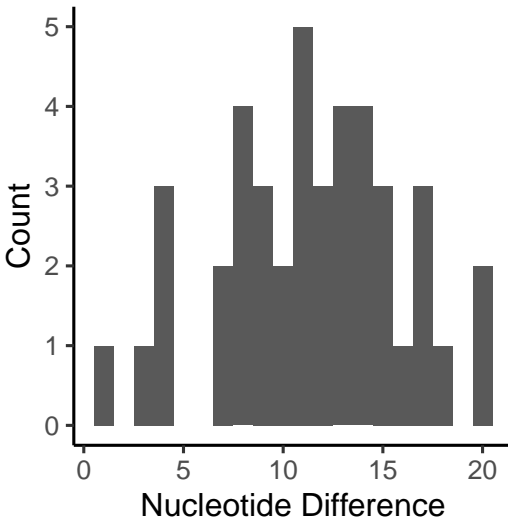
IGHV3-53*05

40 sequences assigned
4 (10%) exact matches, in which:
4 unique CDR3
3 unique J



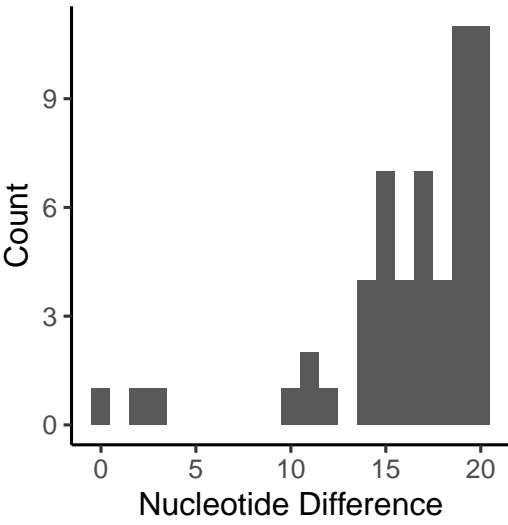
IGHV3-66*01

71 sequences assigned
No exact matches.



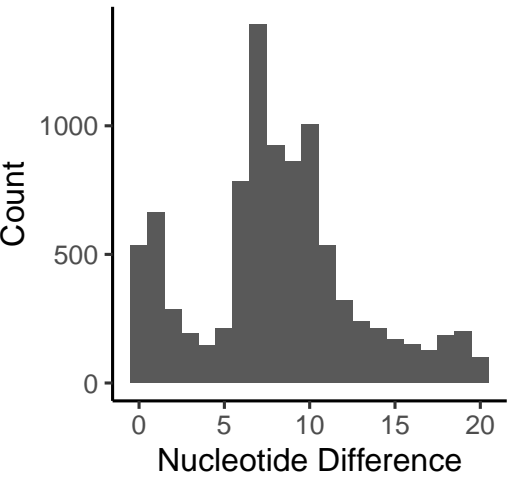
IGHV3-69-1*02

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



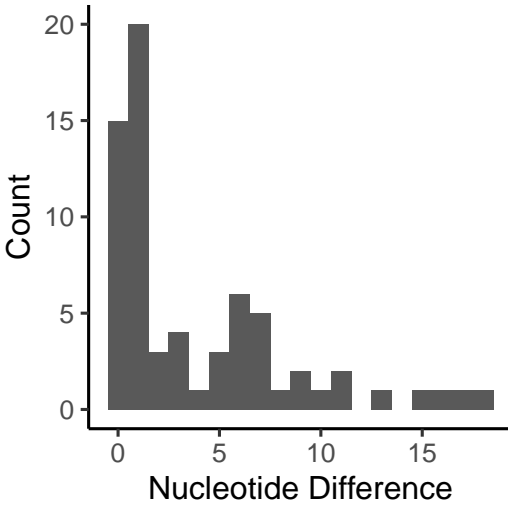
IGHV3-53*01_02

10095 sequences assigned
534 (5.3%) exact matches, in which:
356 unique CDR3
6 unique J



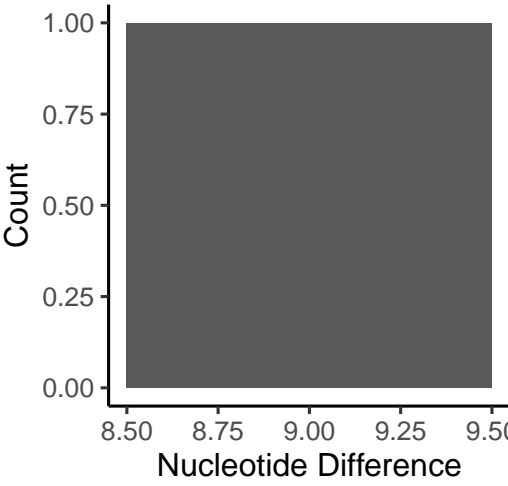
IGHV3-66*03

78 sequences assigned
15 (19.2%) exact matches, in which:
13 unique CDR3
3 unique J



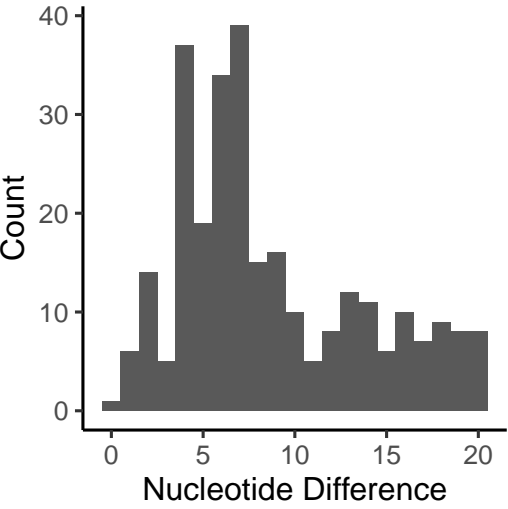
IGHV3-71*03

1 sequences assigned
No exact matches.



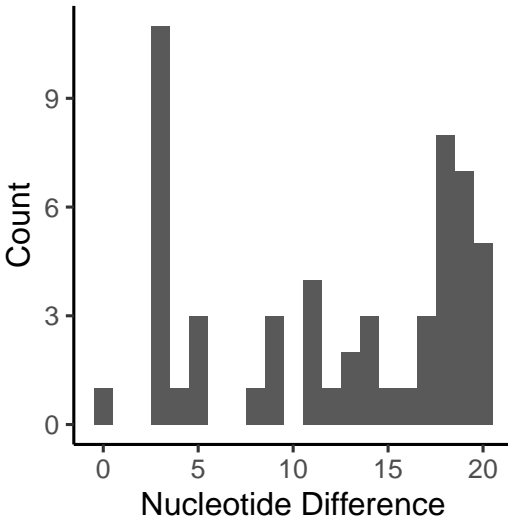
IGHV3-64*04

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



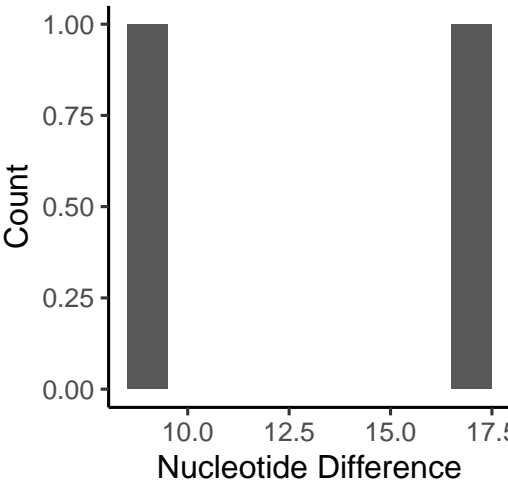
IGHV3-69-1*01

90 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



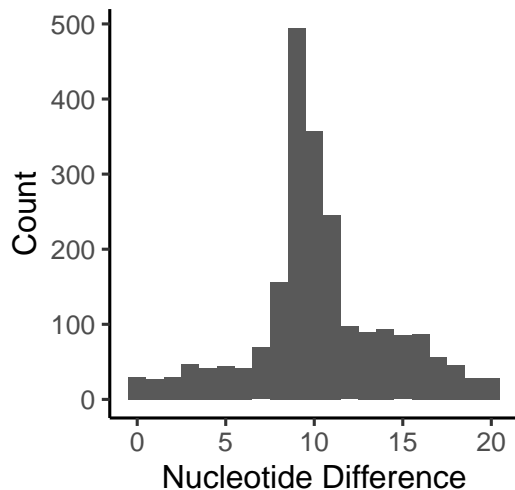
IGHV3-71*01_04

10 sequences assigned
No exact matches.



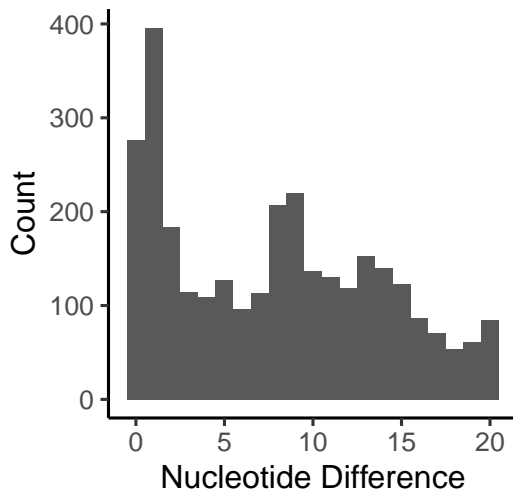
IGHV3-72*01

2728 sequences assigned
30 (1.1%) exact matches, in which:
22 unique CDR3
4 unique J



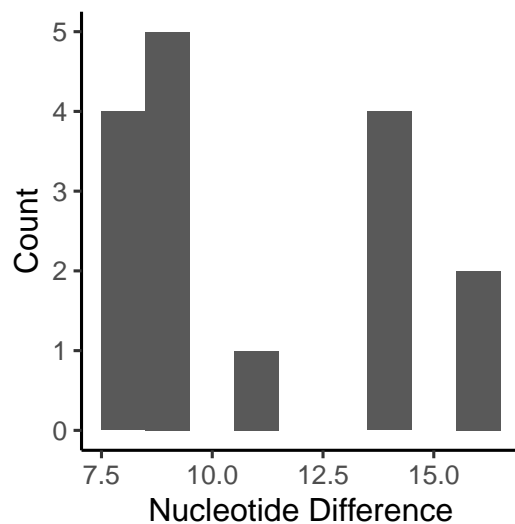
IGHV3-74*01_02

4401 sequences assigned
276 (6.3%) exact matches, in which:
187 unique CDR3
6 unique J



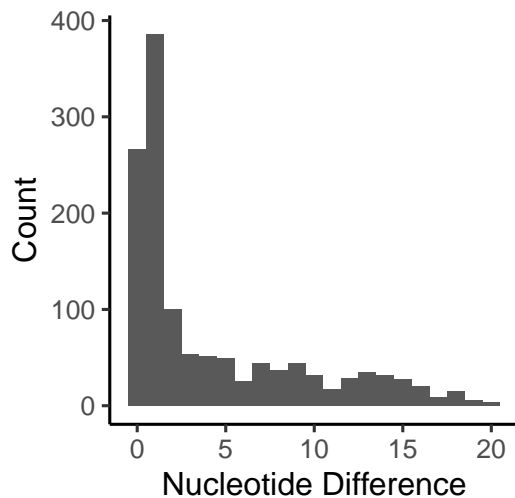
IGHV3-64D*08

17 sequences assigned
No exact matches.



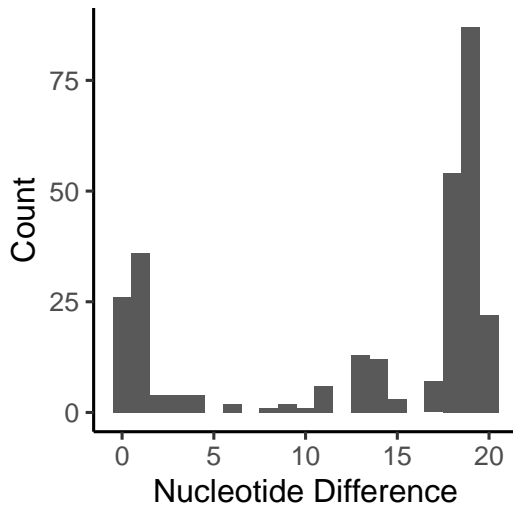
IGHV3-73*01_02

1456 sequences assigned
266 (18.3%) exact matches, in which:
151 unique CDR3
5 unique J



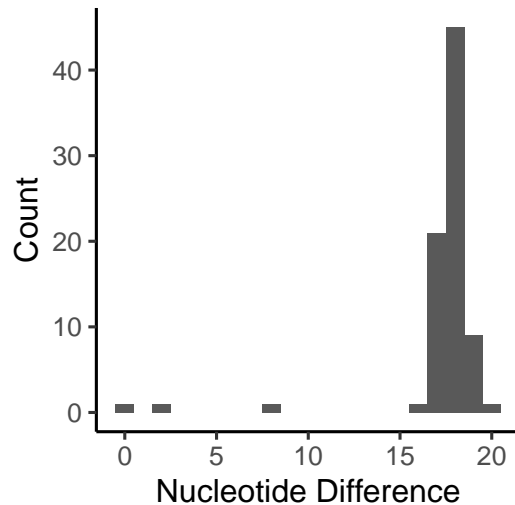
IGHV3-43D*04

332 sequences assigned
26 (7.8%) exact matches, in which:
15 unique CDR3
3 unique J



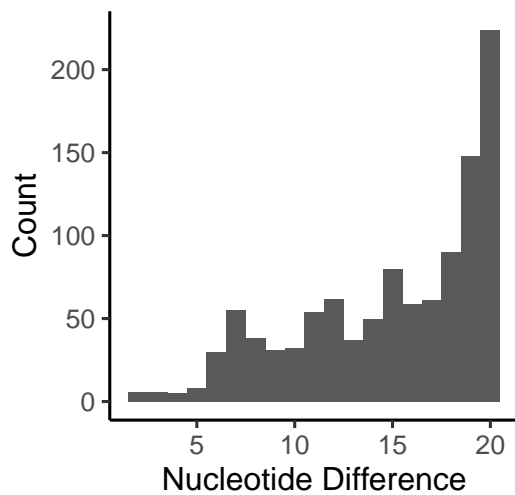
IGHV3-64D*09

91 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



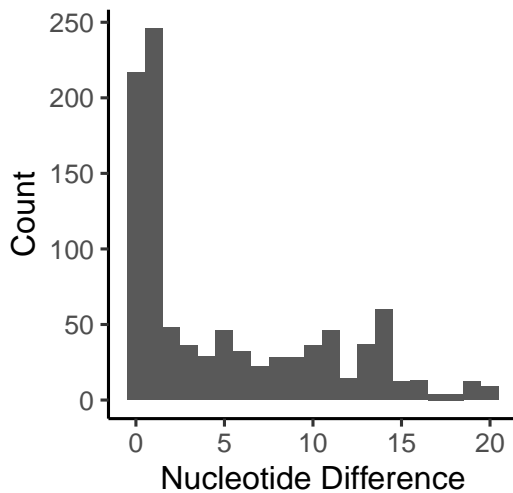
IGHV3-74*03

3158 sequences assigned
No exact matches.



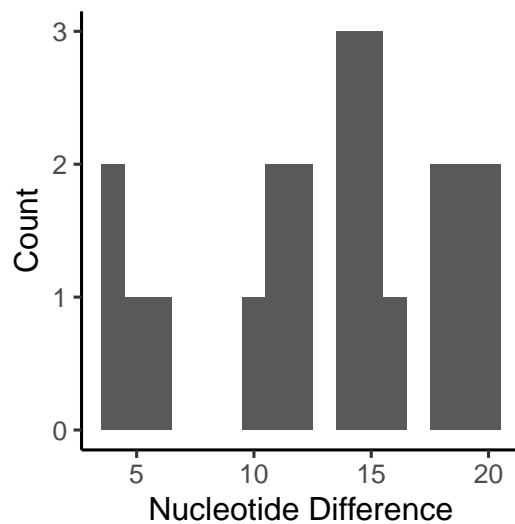
IGHV3-64D*06

1130 sequences assigned
217 (19.2%) exact matches, in which:
115 unique CDR3
6 unique J



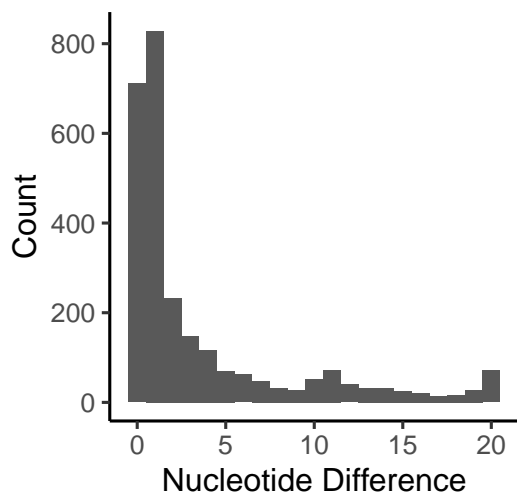
IGHV3-NL1*01

29 sequences assigned
No exact matches.



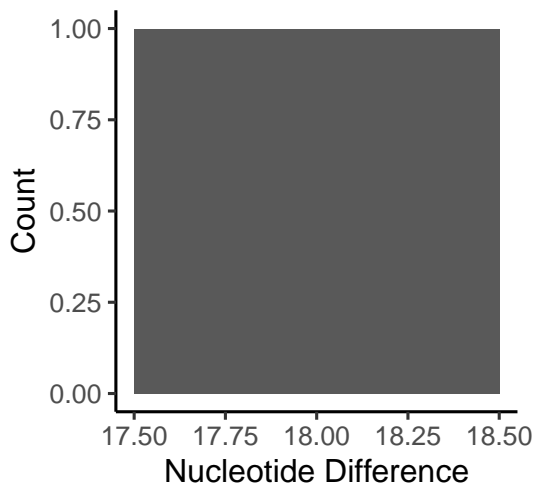
IGHV4-4*02_03

3392 sequences assigned
711 (21%) exact matches, in which:
536 unique CDR3
6 unique J



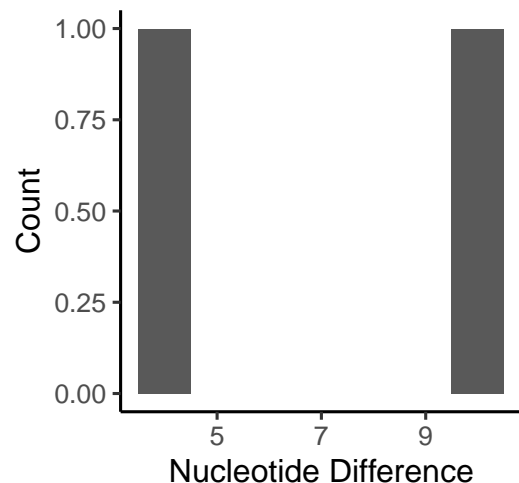
IGHV4-30-4*01

4 sequences assigned
No exact matches.



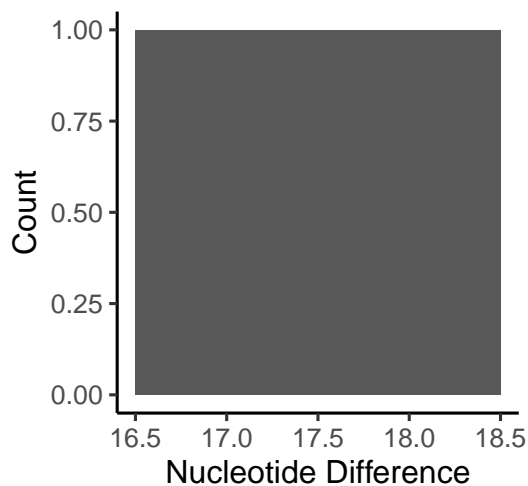
IGHV4-30-4*08

5 sequences assigned
No exact matches.



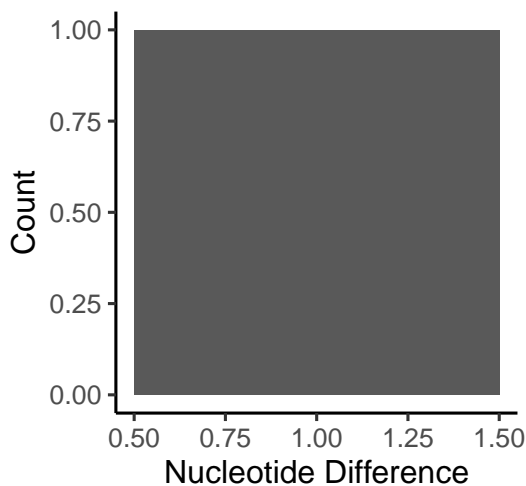
IGHV4-28*03

4 sequences assigned
No exact matches.



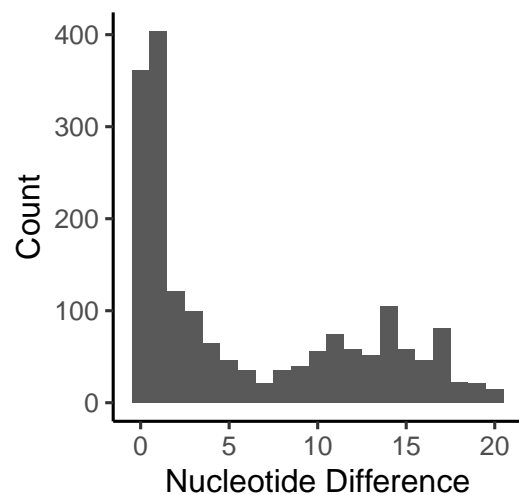
IGHV4-30-2*02

1 sequences assigned
No exact matches.



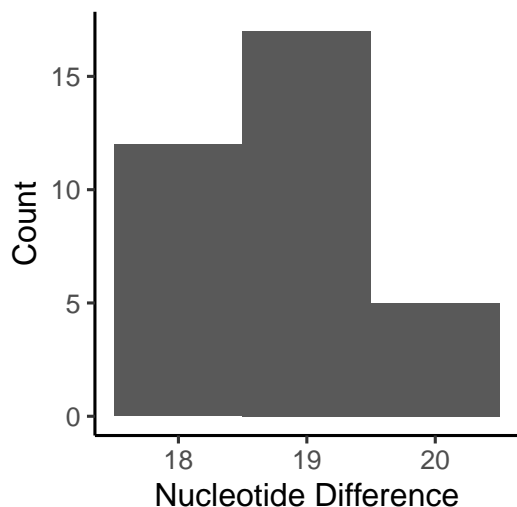
IGHV4-31*02

2155 sequences assigned
361 (16.8%) exact matches, in which:
298 unique CDR3
6 unique J



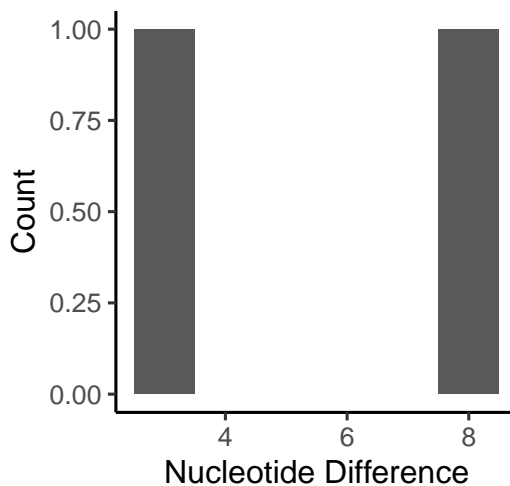
IGHV4-30-2*01

41 sequences assigned
No exact matches.



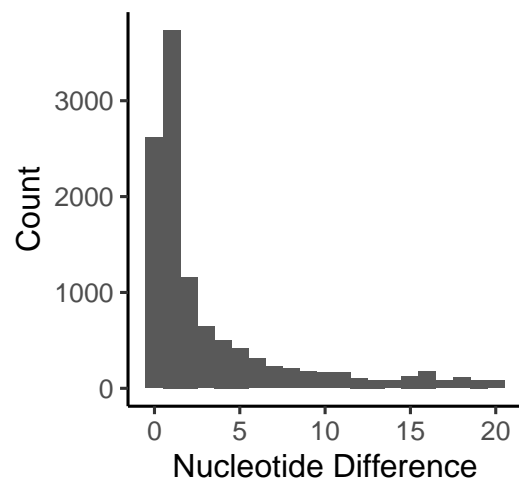
IGHV4-30-2*04

5 sequences assigned
No exact matches.



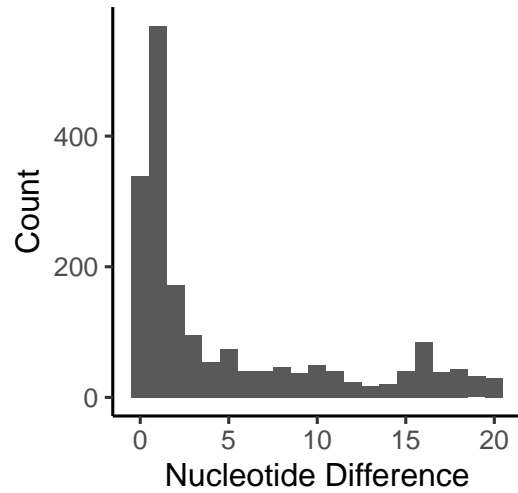
IGHV4-34*01_02

12603 sequences assigned
2616 (20.8%) exact matches, in which:
1804 unique CDR3
6 unique J



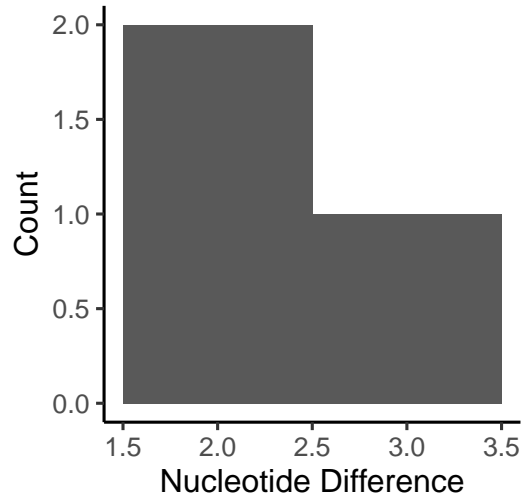
IGHV4-38-2*01

3584 sequences assigned
339 (9.5%) exact matches, in which:
265 unique CDR3
6 unique J



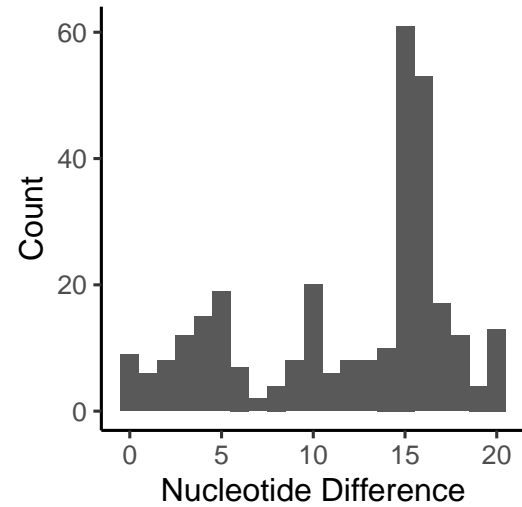
IGHV4-55*09

3 sequences assigned
No exact matches.



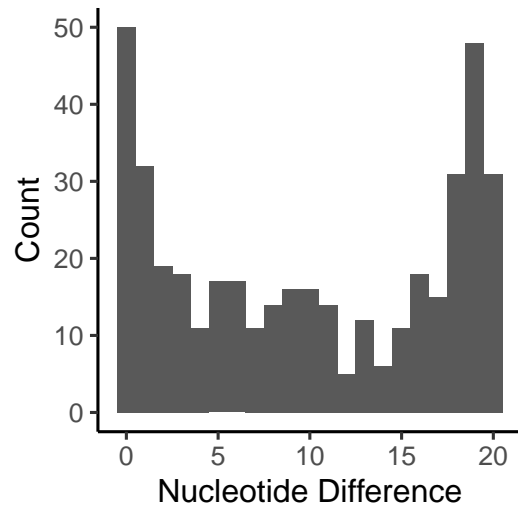
IGHV4-59*11

1353 sequences assigned
9 (0.7%) exact matches, in which:
9 unique CDR3
4 unique J



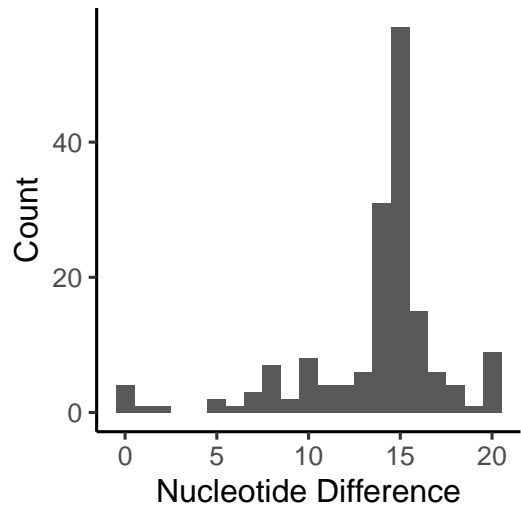
IGHV4-38-2*02

1450 sequences assigned
50 (3.4%) exact matches, in which:
40 unique CDR3
4 unique J



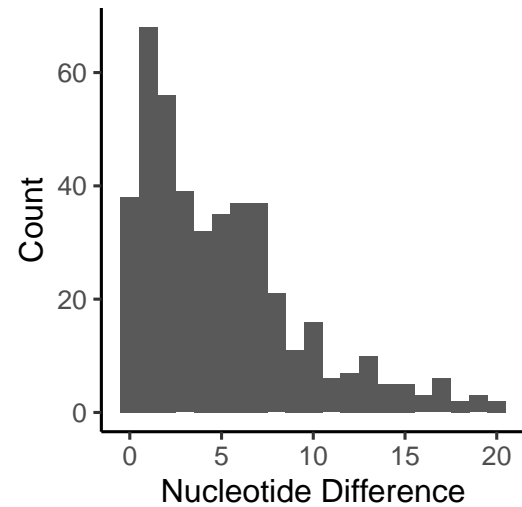
IGHV4-59*02

438 sequences assigned
4 (0.9%) exact matches, in which:
4 unique CDR3
3 unique J



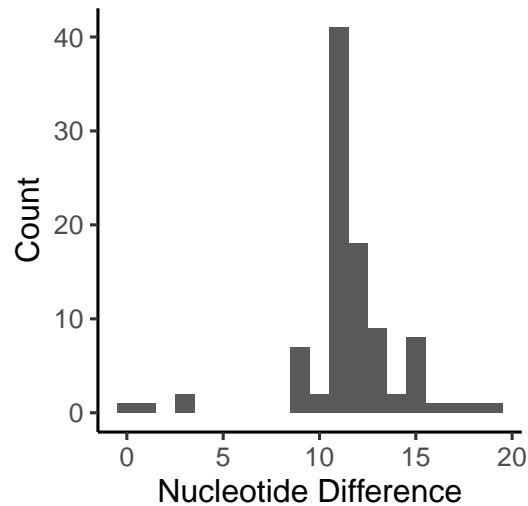
IGHV4-59*12

462 sequences assigned
38 (8.2%) exact matches, in which:
37 unique CDR3
4 unique J



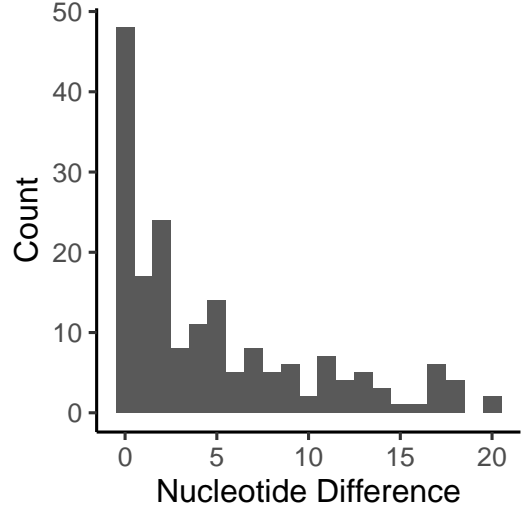
IGHV4-39*07

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



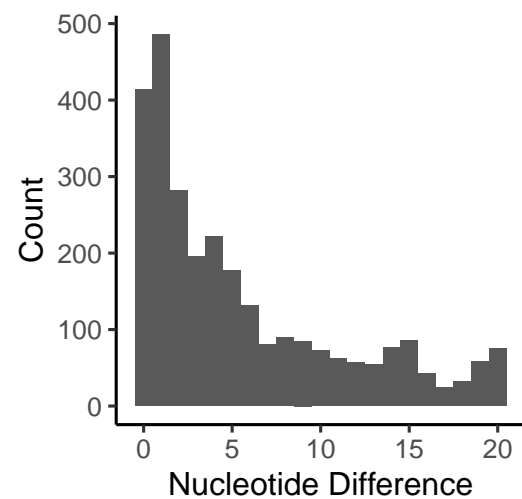
IGHV4-59*08

505 sequences assigned
48 (9.5%) exact matches, in which:
42 unique CDR3
4 unique J



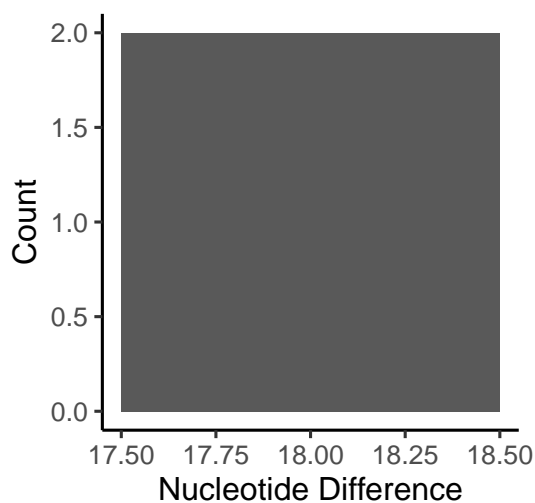
IGHV4-61*01

3634 sequences assigned
414 (11.4%) exact matches, in which:
344 unique CDR3
6 unique J



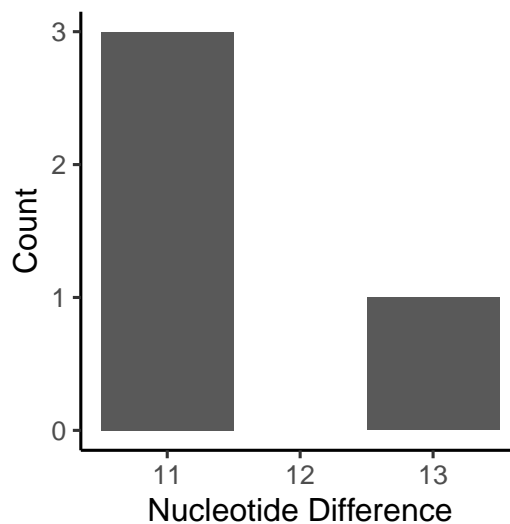
IGHV1/OR15-2*02_03

3 sequences assigned
No exact matches.



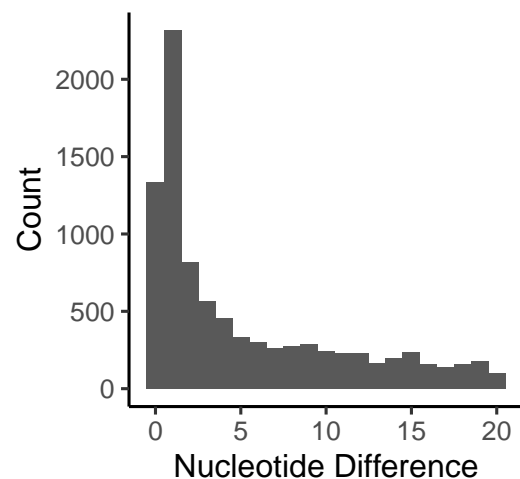
IGHV1/OR15-9*01

4 sequences assigned
No exact matches.



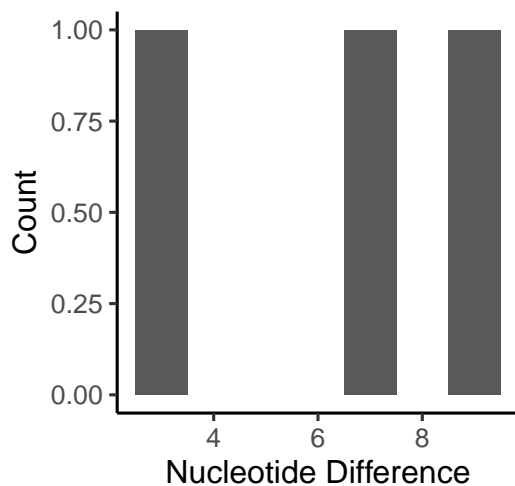
IGHV5-51*01_03

10334 sequences assigned
1334 (12.9%) exact matches, in which:
706 unique CDR3
6 unique J



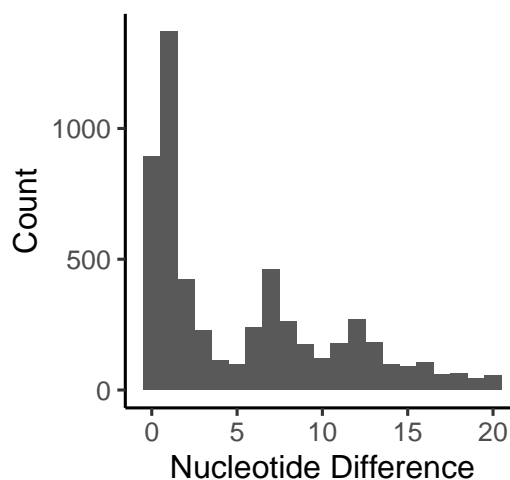
IGHV1/OR15-3*02

4 sequences assigned
No exact matches.



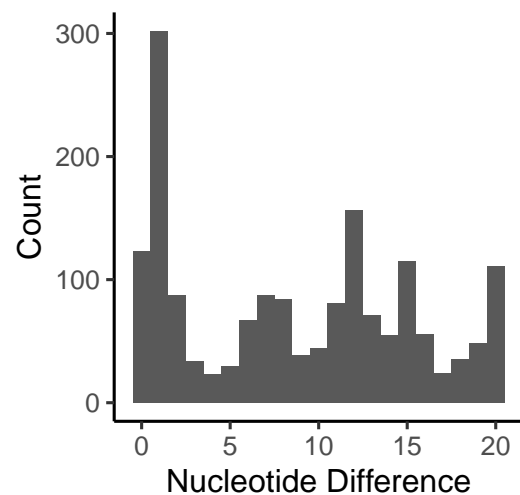
IGHV5-10-1*01_03

6836 sequences assigned
892 (13%) exact matches, in which:
531 unique CDR3
6 unique J



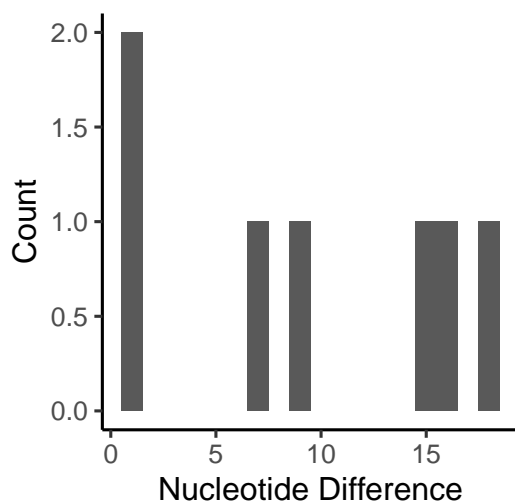
IGHV6-1*01_02

2573 sequences assigned
123 (4.8%) exact matches, in which:
89 unique CDR3
4 unique J



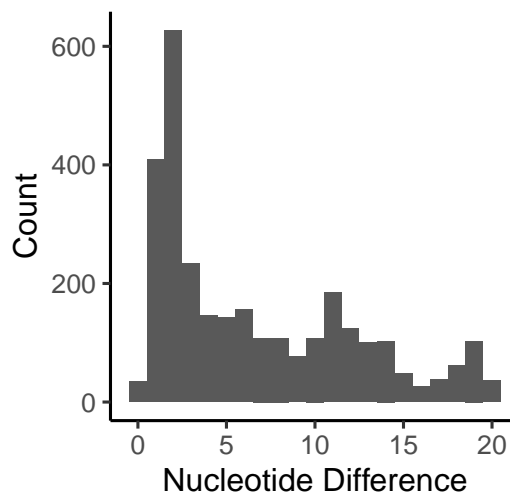
IGHV4/OR15-8*01

64 sequences assigned
No exact matches.



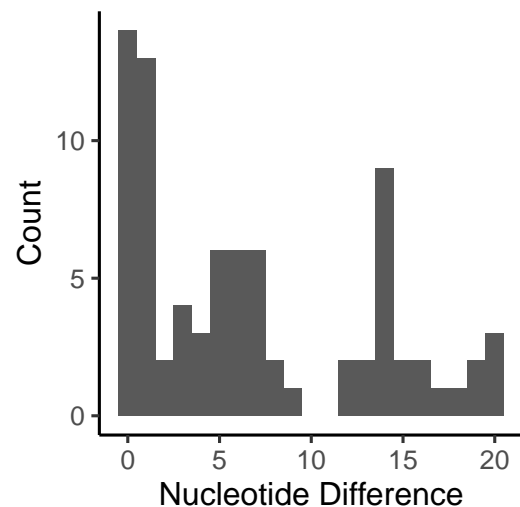
IGHV5-51*07

3127 sequences assigned
34 (1.1%) exact matches, in which:
28 unique CDR3
5 unique J



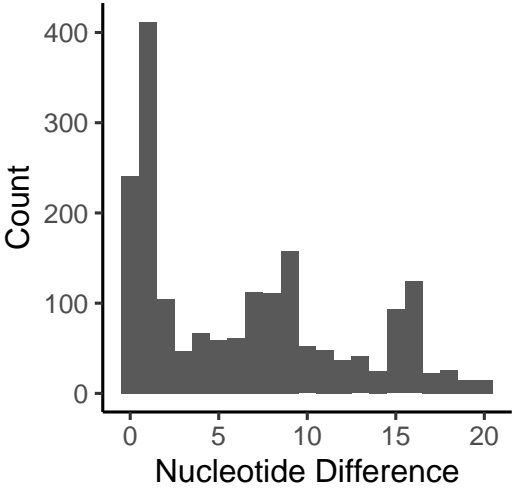
IGHV6-1*01_02_A315G

87 sequences assigned
14 (16.1%) exact matches, in which:
13 unique CDR3
2 unique J



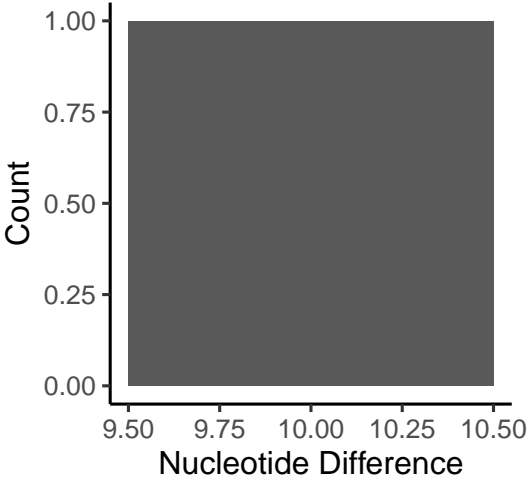
IGHV7-4-1*02

2608 sequences assigned
241 (9.2%) exact matches, in which:
171 unique CDR3
4 unique J



IGHV7-81*01

1 sequences assigned
No exact matches.



IGHV6-1*01_02_A315G

