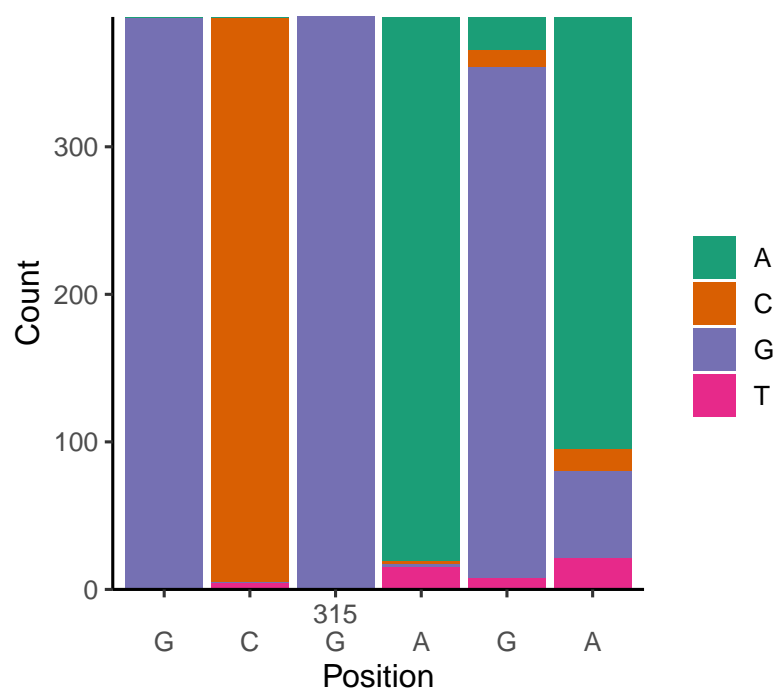
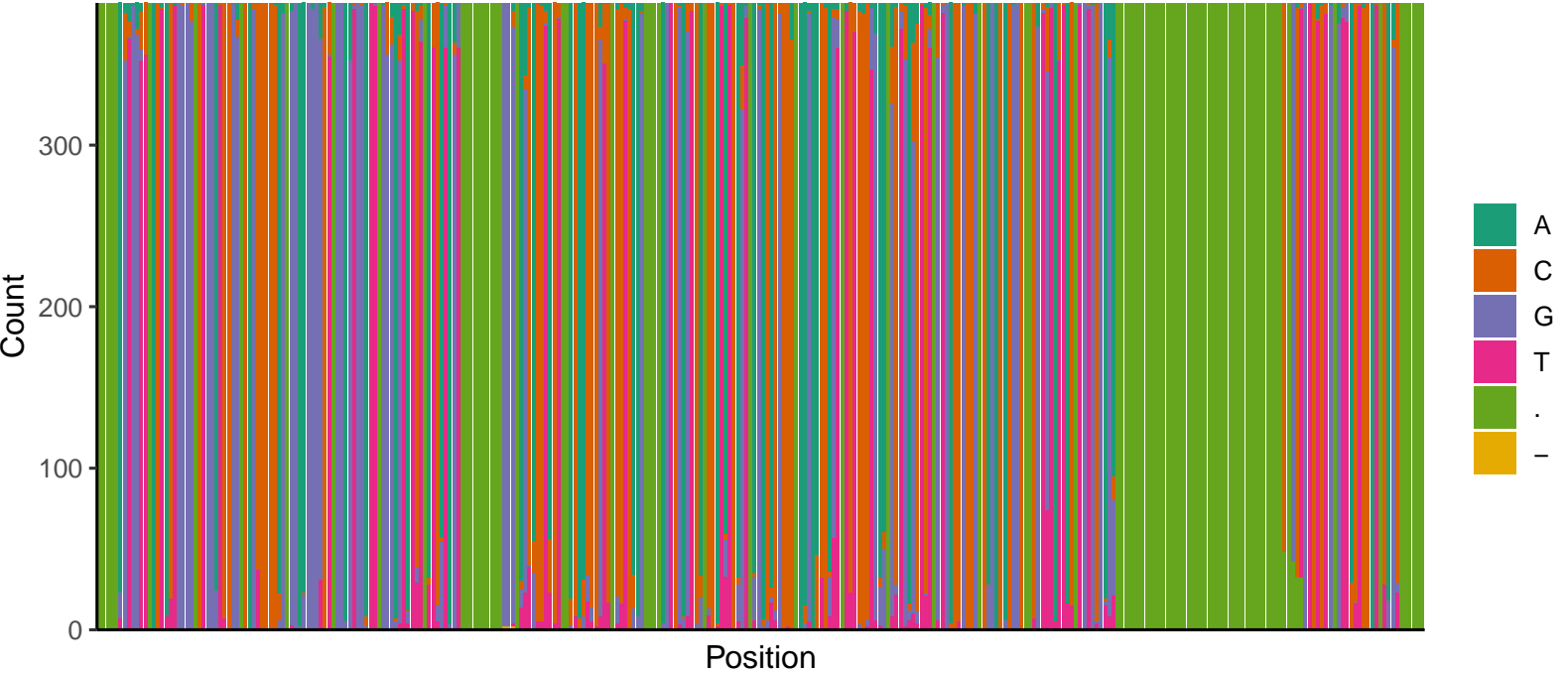


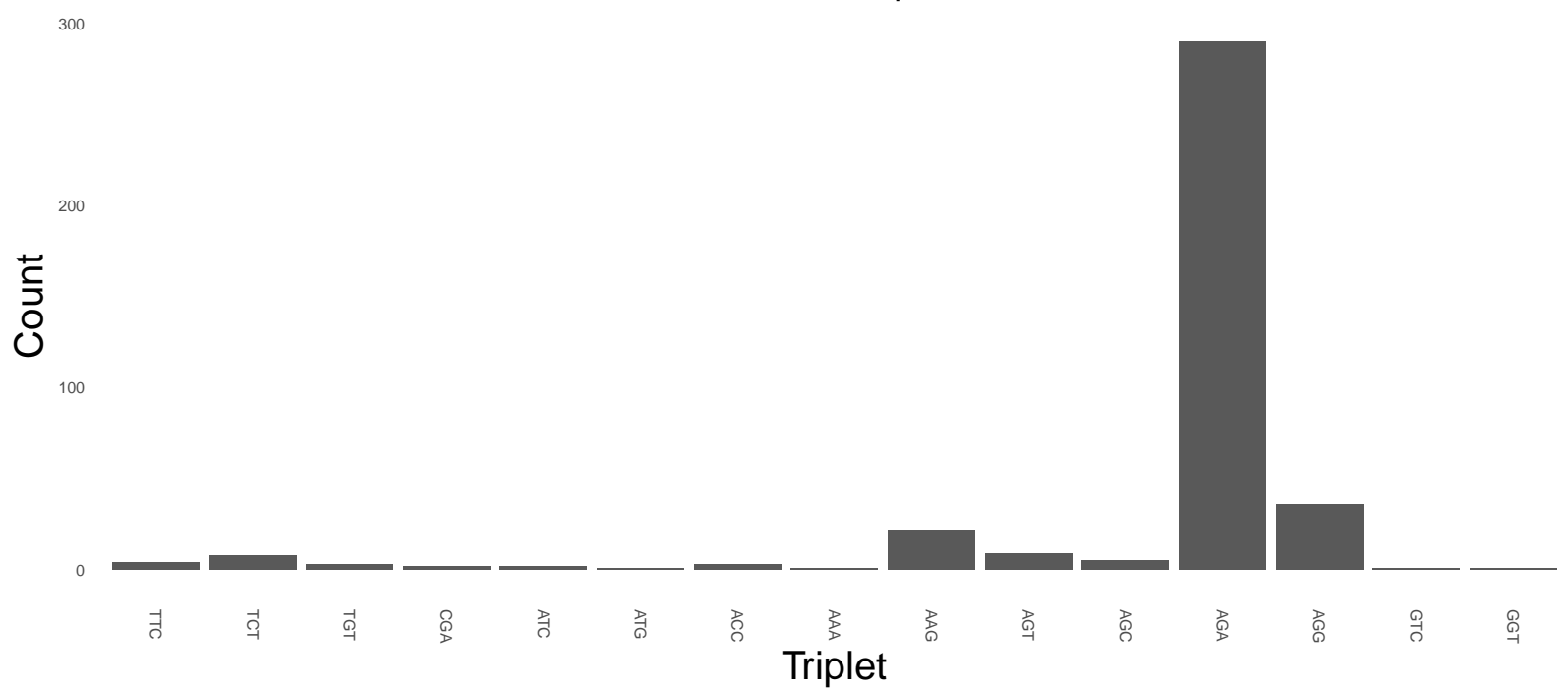
Gene IGHV4-38-2*01_T247C



Gene IGHV4-38-2*01_T247C

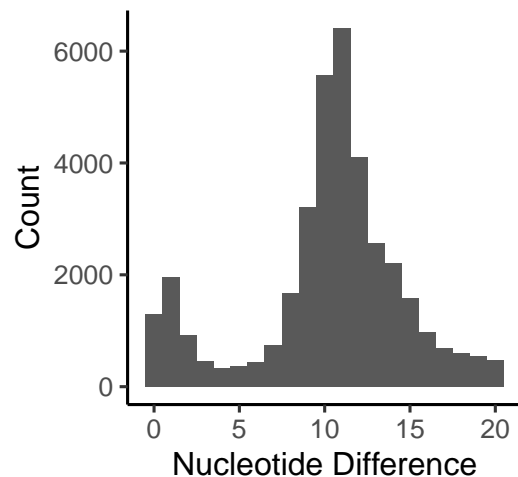


IGHV4-38-2*01_T247C- Final 3 nucleotides as a triplet



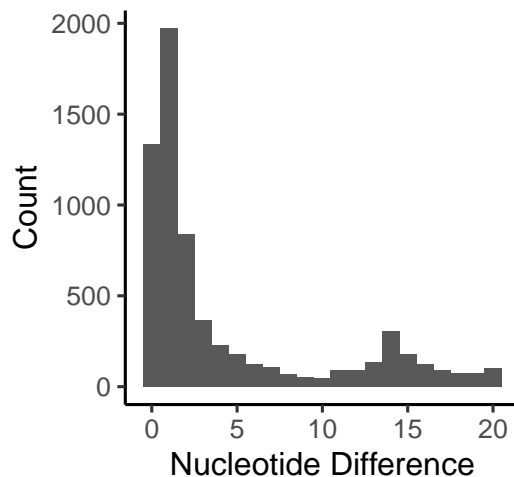
IGHV1-2*02

40751 sequences assigned
1303 (3.2%) exact matches, in which:
1134 unique CDR3
6 unique J



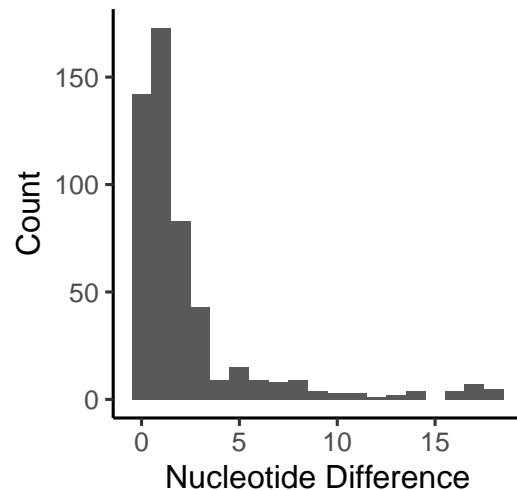
IGHV1-8*01

6847 sequences assigned
1336 (19.5%) exact matches, in which:
1152 unique CDR3
6 unique J



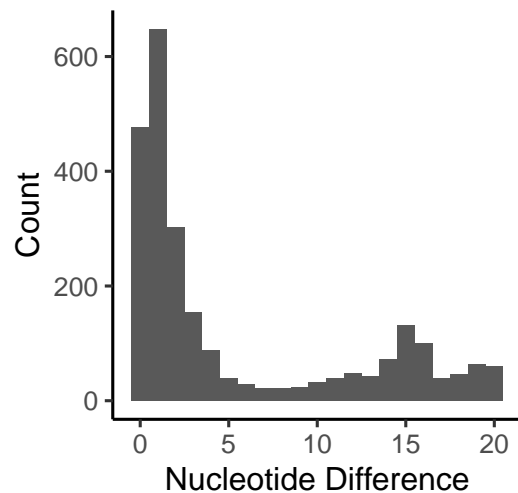
IGHV1-24*01

525 sequences assigned
142 (27%) exact matches, in which:
132 unique CDR3
5 unique J



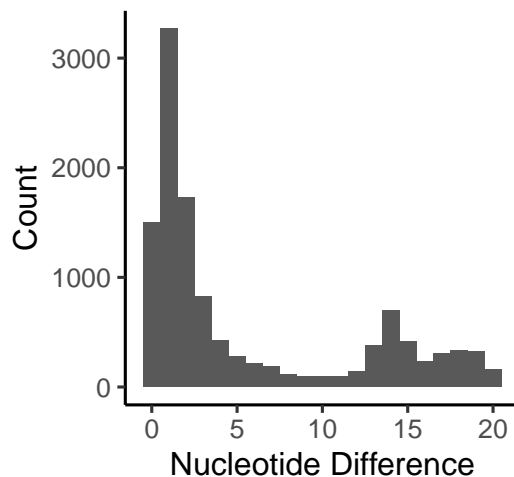
IGHV1-2*04

3592 sequences assigned
477 (13.3%) exact matches, in which:
421 unique CDR3
6 unique J



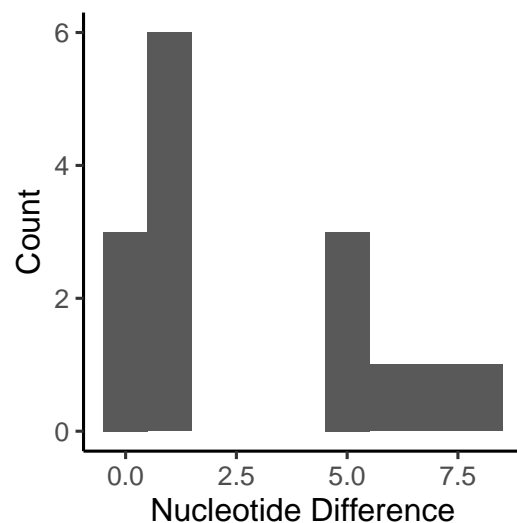
IGHV1-18*01

25924 sequences assigned
1505 (5.8%) exact matches, in which:
1240 unique CDR3
6 unique J



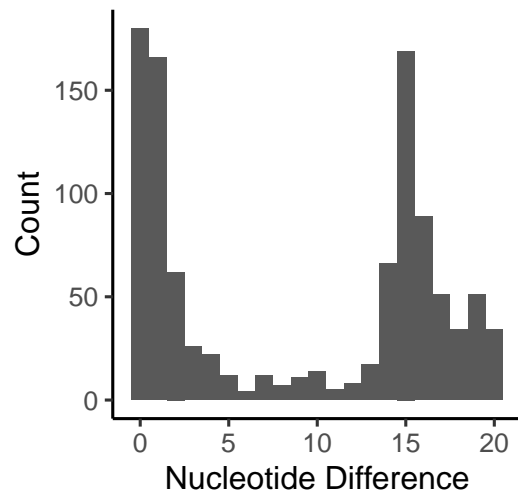
IGHV1-45*02

69 sequences assigned
3 (4.3%) exact matches, in which:
3 unique CDR3
3 unique J



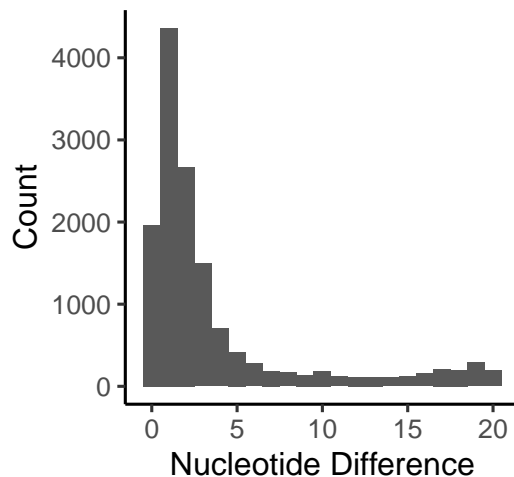
IGHV1-3*01_05

1304 sequences assigned
180 (13.8%) exact matches, in which:
164 unique CDR3
6 unique J



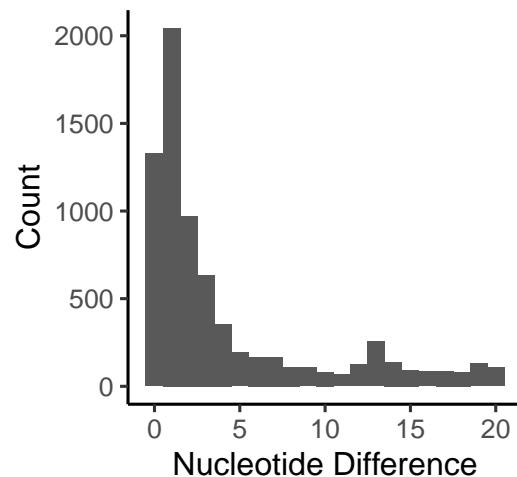
IGHV1-18*04

15032 sequences assigned
1961 (13%) exact matches, in which:
1637 unique CDR3
6 unique J



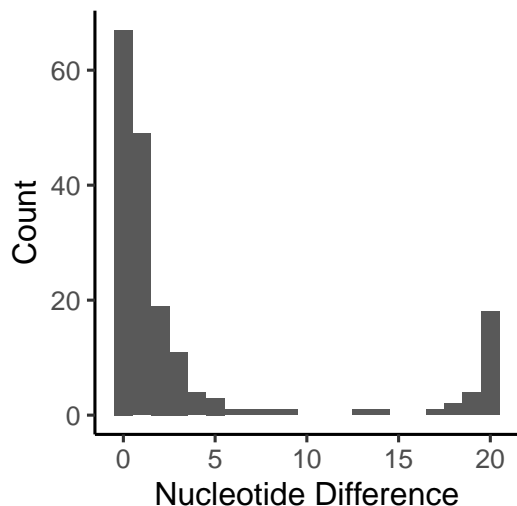
IGHV1-46*01

10109 sequences assigned
1328 (13.1%) exact matches, in which:
1156 unique CDR3
6 unique J



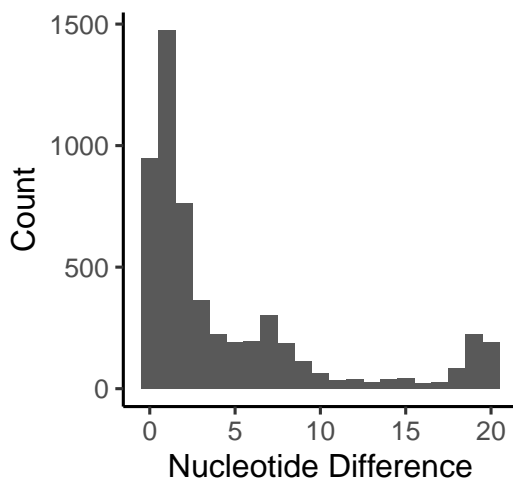
IGHV1-58*01_03

214 sequences assigned
67 (31.3%) exact matches, in which:
64 unique CDR3
5 unique J



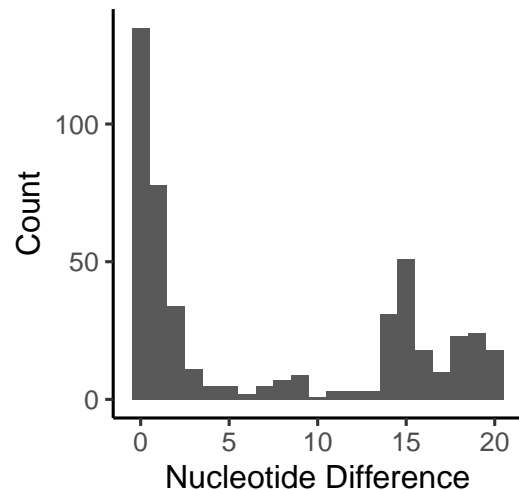
IGHV1-69*06_14

7746 sequences assigned
948 (12.2%) exact matches, in which:
840 unique CDR3
6 unique J



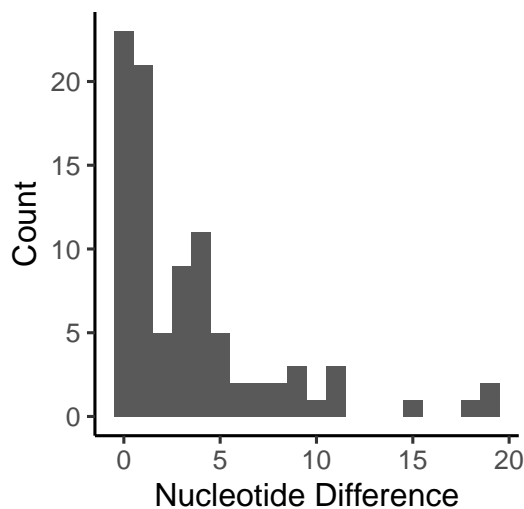
IGHV2-70*01

522 sequences assigned
135 (25.9%) exact matches, in which:
121 unique CDR3
5 unique J



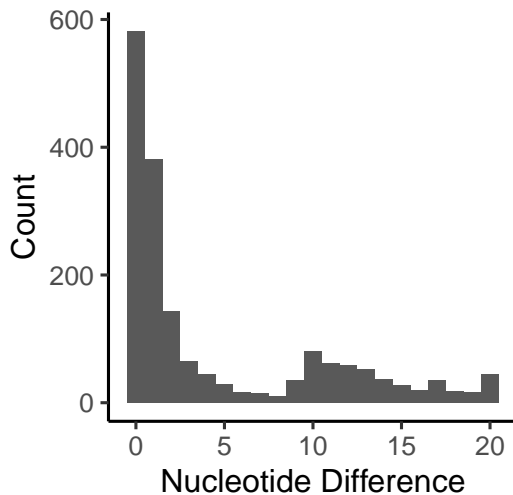
IGHV1-69-2*01

93 sequences assigned
23 (24.7%) exact matches, in which:
22 unique CDR3
4 unique J



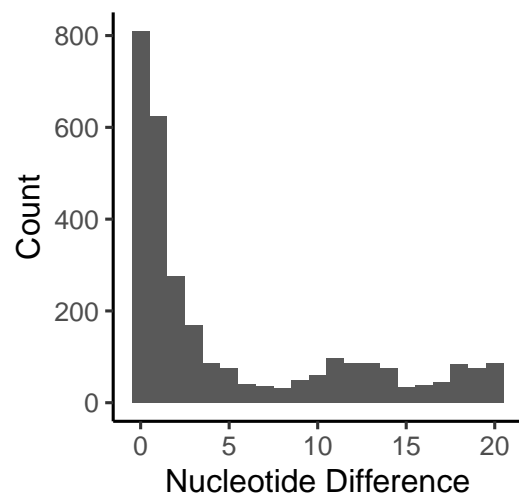
IGHV2-5*01

2255 sequences assigned
582 (25.8%) exact matches, in which:
520 unique CDR3
6 unique J



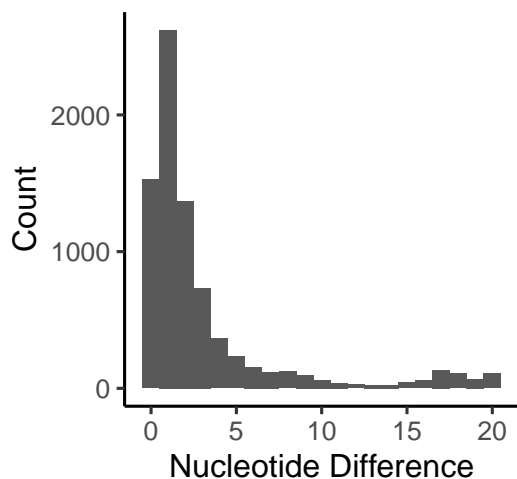
IGHV3-7*01

3651 sequences assigned
810 (22.2%) exact matches, in which:
682 unique CDR3
6 unique J



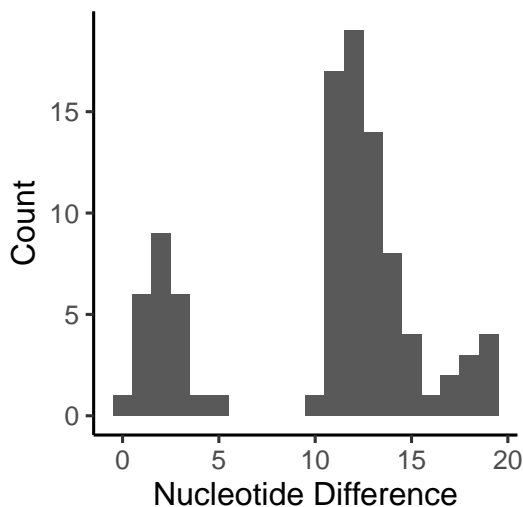
IGHV1-69*01_12_13

9695 sequences assigned
1528 (15.8%) exact matches, in which:
1333 unique CDR3
6 unique J



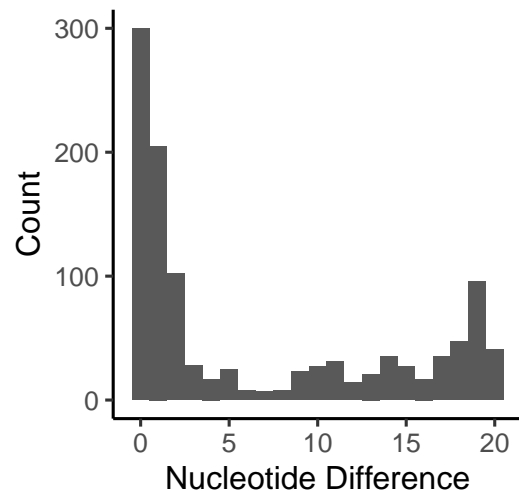
IGHV2-26*01

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



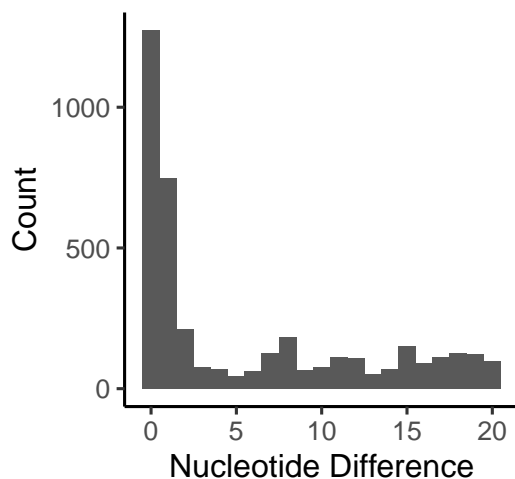
IGHV3-7*05

1272 sequences assigned
300 (23.6%) exact matches, in which:
272 unique CDR3
6 unique J



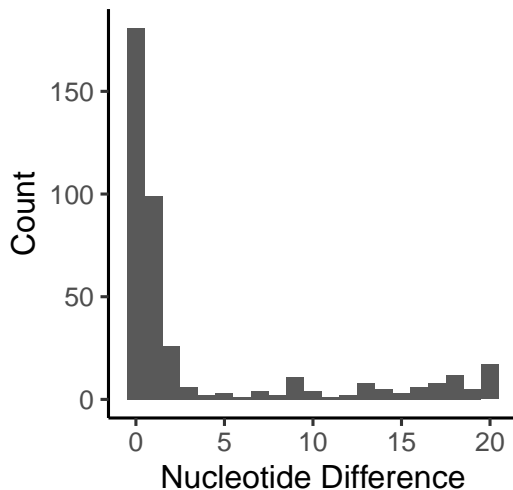
IGHV3-9*01

5367 sequences assigned
1273 (23.7%) exact matches, in which:
1135 unique CDR3
6 unique J



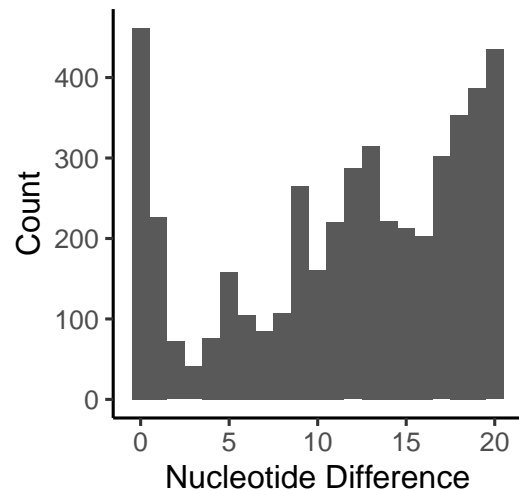
IGHV3-13*01

454 sequences assigned
181 (39.9%) exact matches, in which:
149 unique CDR3
5 unique J



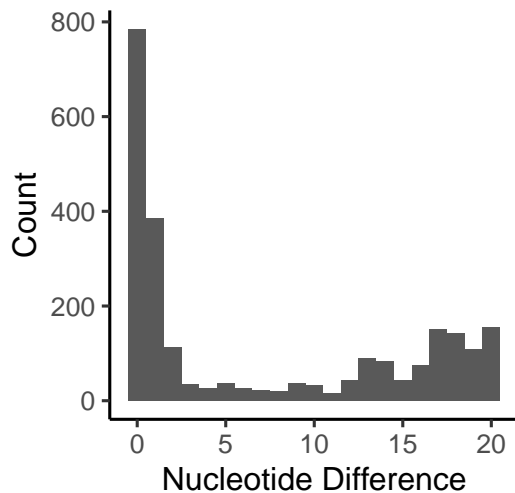
IGHV3-15*01_02

7704 sequences assigned
462 (6%) exact matches, in which:
428 unique CDR3
6 unique J



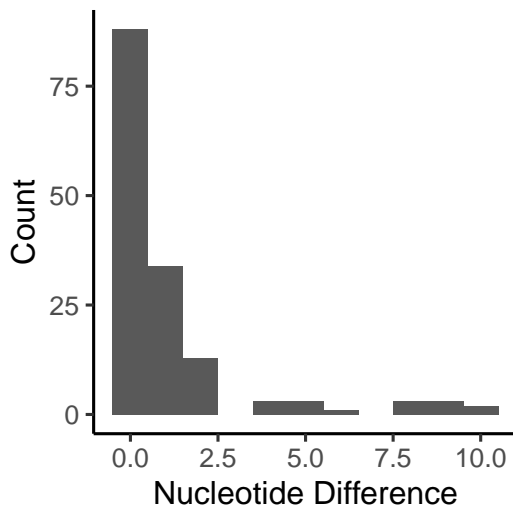
IGHV3-11*01

3749 sequences assigned
785 (20.9%) exact matches, in which:
698 unique CDR3
6 unique J



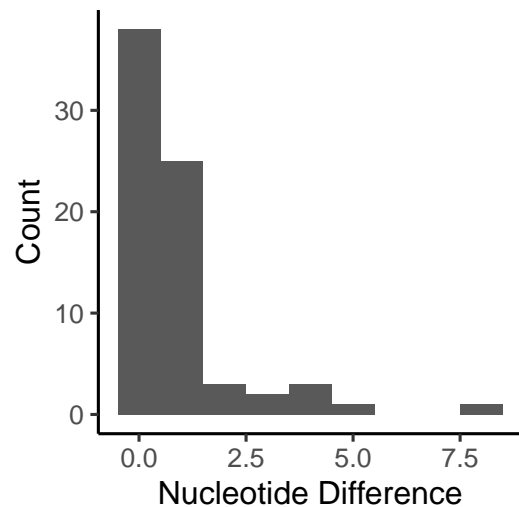
IGHV3-13*05

239 sequences assigned
88 (36.8%) exact matches, in which:
77 unique CDR3
5 unique J



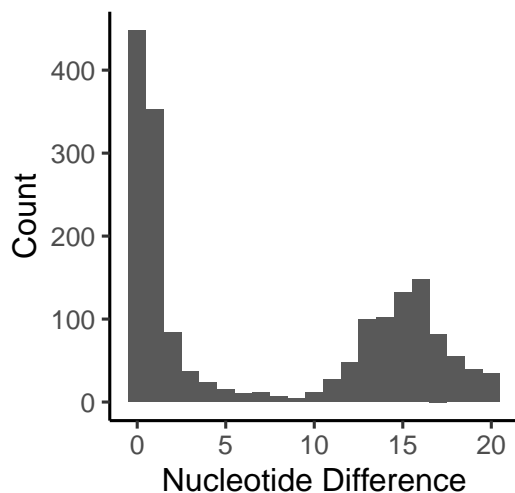
IGHV3-20*03_04

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



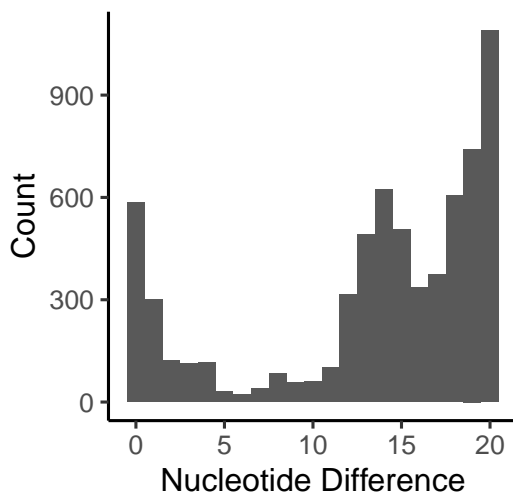
IGHV3-11*06

3067 sequences assigned
448 (14.6%) exact matches, in which:
380 unique CDR3
6 unique J



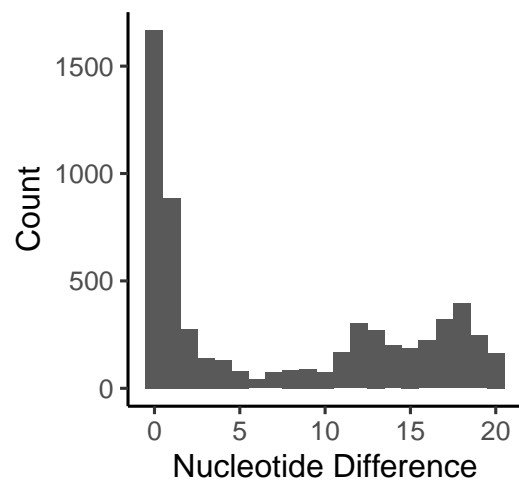
IGHV3-15*07

33216 sequences assigned
585 (1.8%) exact matches, in which:
552 unique CDR3
6 unique J



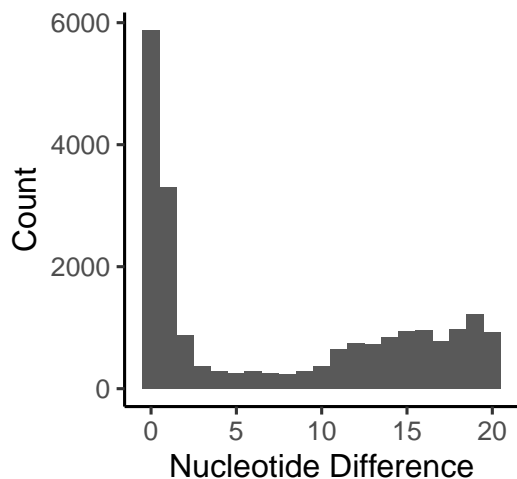
IGHV3-21*01_02

8541 sequences assigned
1668 (19.5%) exact matches, in which:
1496 unique CDR3
6 unique J



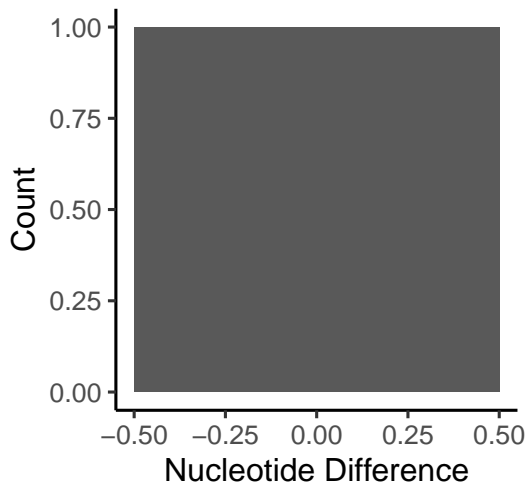
IGHV3-23*01_04

30445 sequences assigned
5873 (19.3%) exact matches, in which:
5219 unique CDR3
6 unique J



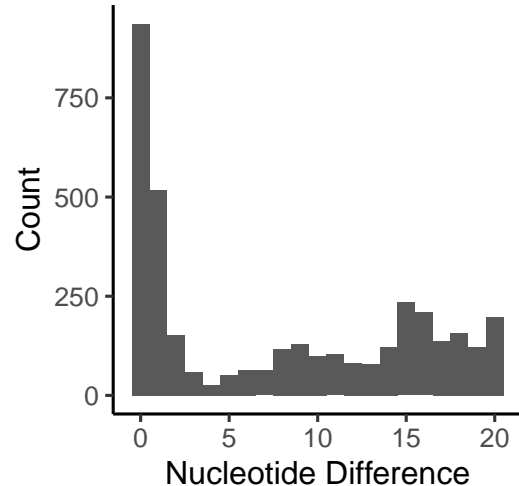
IGHV3-35*01

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



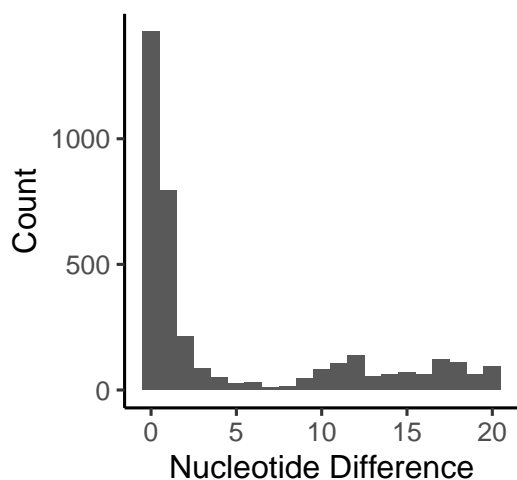
IGHV3-48*03

4894 sequences assigned
937 (19.1%) exact matches, in which:
826 unique CDR3
6 unique J



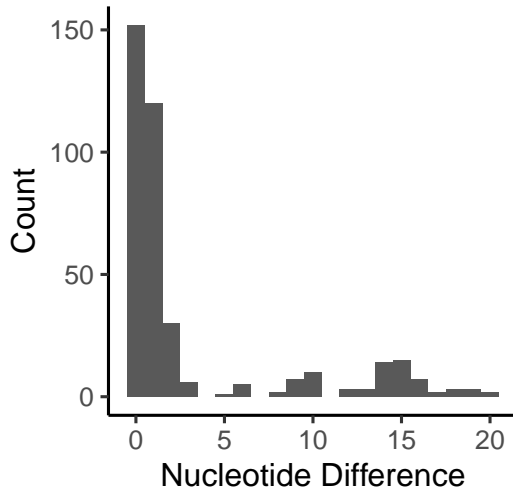
IGHV3-30-3*01

4665 sequences assigned
1426 (30.6%) exact matches, in which:
1299 unique CDR3
6 unique J



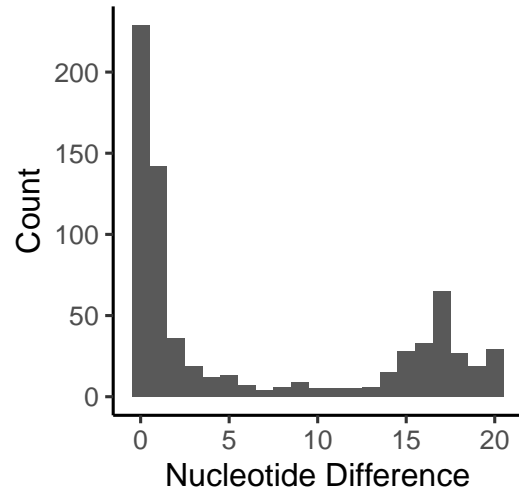
IGHV3-43*01

479 sequences assigned
152 (31.7%) exact matches, in which:
132 unique CDR3
6 unique J



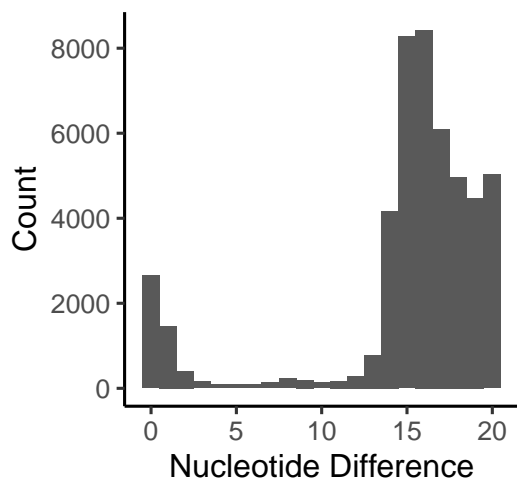
IGHV3-49*04

909 sequences assigned
229 (25.2%) exact matches, in which:
209 unique CDR3
6 unique J



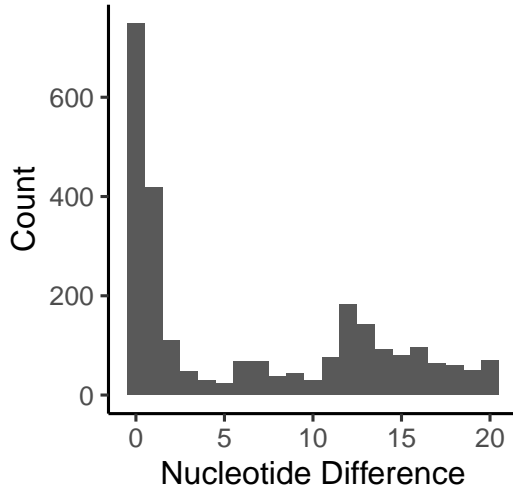
IGHV3-33*01

61887 sequences assigned
2657 (4.3%) exact matches, in which:
1953 unique CDR3
6 unique J



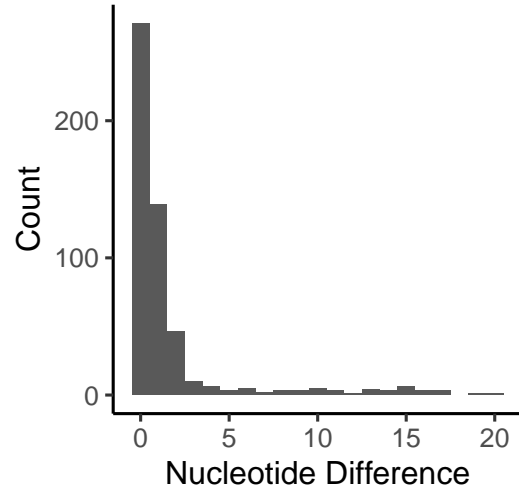
IGHV3-48*02

3225 sequences assigned
749 (23.2%) exact matches, in which:
657 unique CDR3
6 unique J



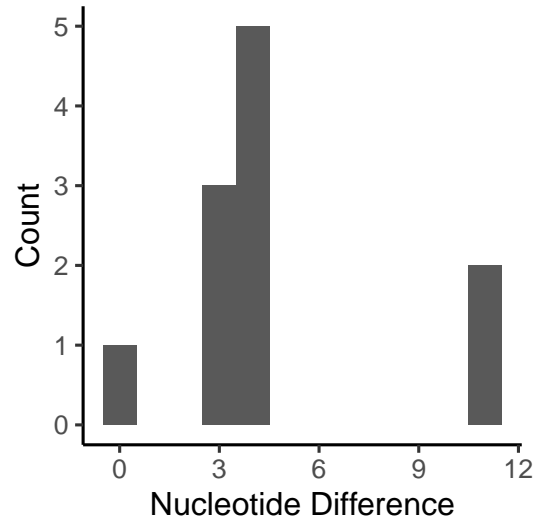
IGHV3-49*03_05

548 sequences assigned
271 (49.5%) exact matches, in which:
254 unique CDR3
6 unique J



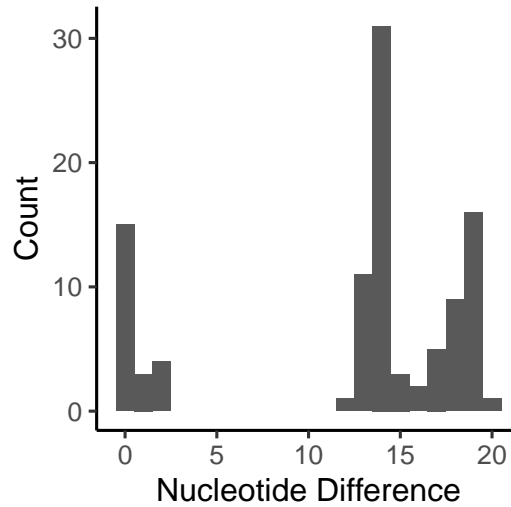
IGHV3-52*01_03

11 sequences assigned
1 (9.1%) exact matches, in which:
1 unique CDR3
1 unique J



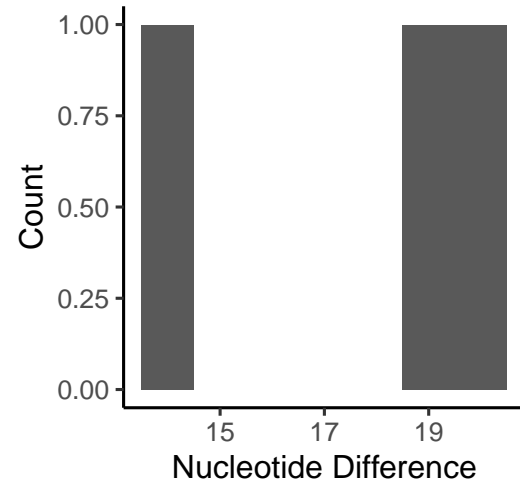
IGHV3-64*02_07

108 sequences assigned
15 (13.9%) exact matches, in which:
15 unique CDR3
5 unique J



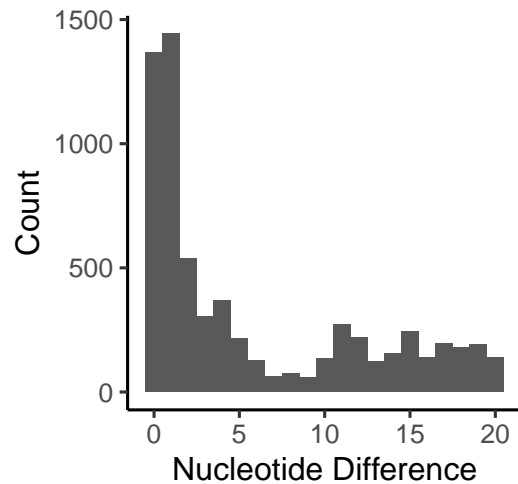
IGHV3-69-1*02

7 sequences assigned
No exact matches.



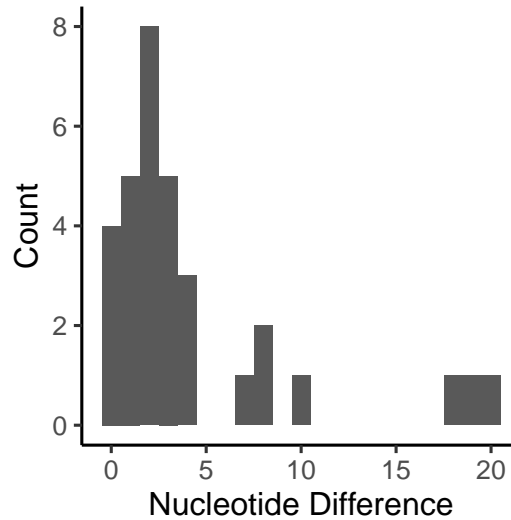
IGHV3-53*01_02

8170 sequences assigned
1366 (16.7%) exact matches, in which:
1134 unique CDR3
6 unique J



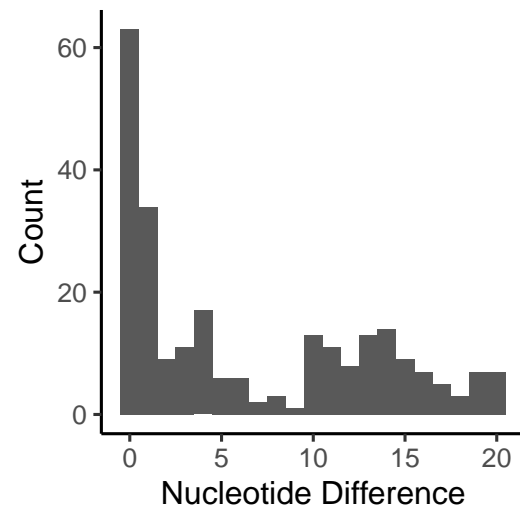
IGHV3-66*03

38 sequences assigned
4 (10.5%) exact matches, in which:
4 unique CDR3
2 unique J



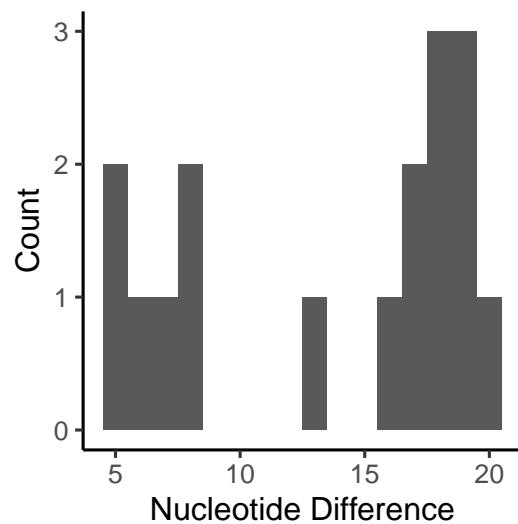
IGHV3-72*01

368 sequences assigned
63 (17.1%) exact matches, in which:
57 unique CDR3
5 unique J



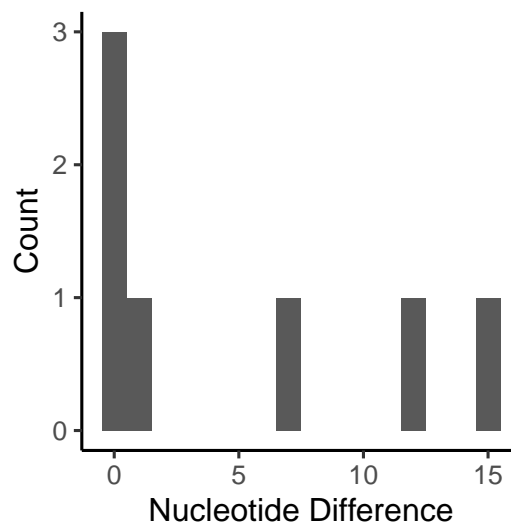
IGHV3-64*04

31 sequences assigned
No exact matches.



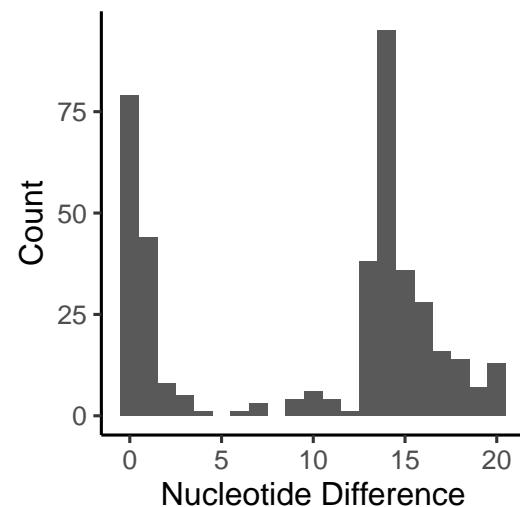
IGHV3-69-1*01

10 sequences assigned
3 (30%) exact matches, in which:
3 unique CDR3
2 unique J



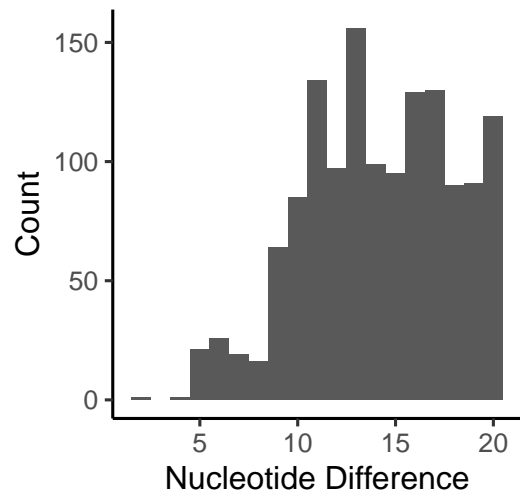
IGHV3-73*01_02

712 sequences assigned
79 (11.1%) exact matches, in which:
76 unique CDR3
6 unique J



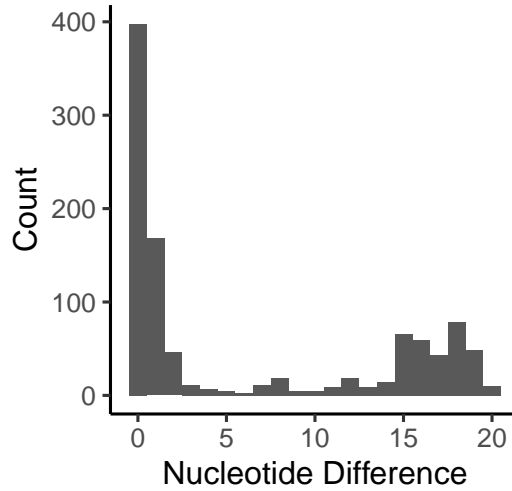
IGHV3-74*03

2753 sequences assigned
No exact matches.



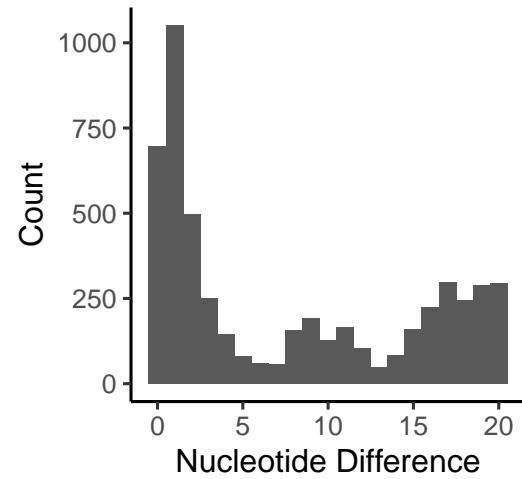
IGHV3-64D*08

1113 sequences assigned
398 (35.8%) exact matches, in which:
357 unique CDR3
6 unique J



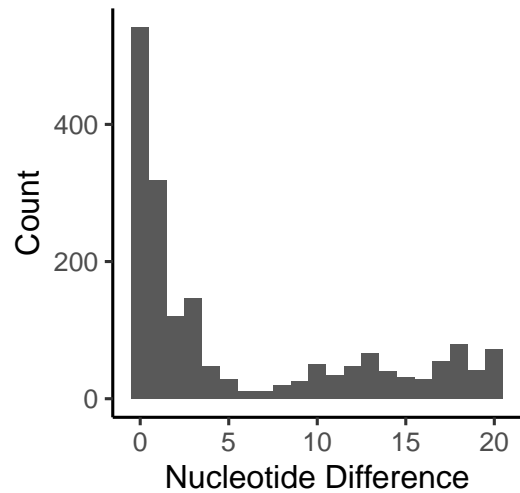
IGHV4-4*02_03

9513 sequences assigned
697 (7.3%) exact matches, in which:
573 unique CDR3
6 unique J



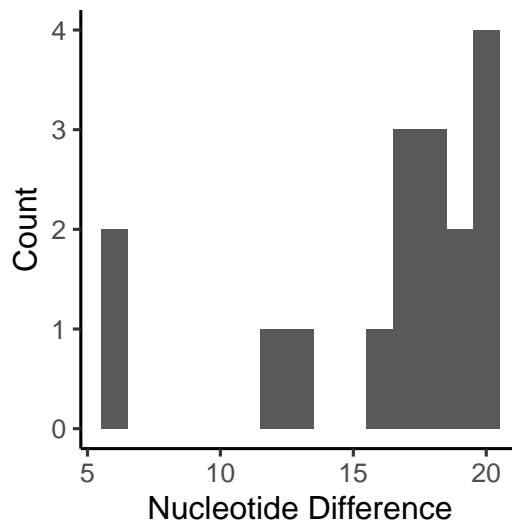
IGHV3-74*01_02

1998 sequences assigned
542 (27.1%) exact matches, in which:
492 unique CDR3
6 unique J



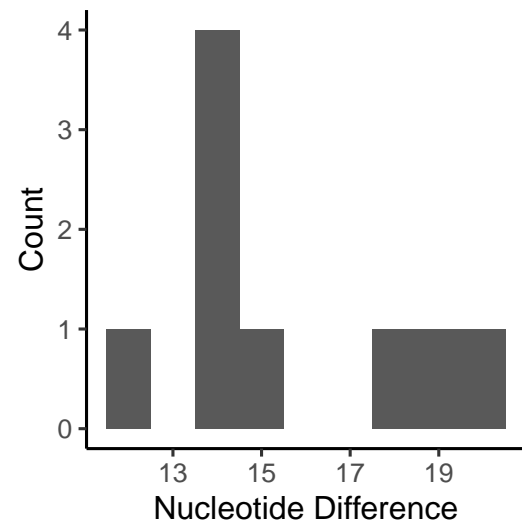
IGHV3-NL1*01

33 sequences assigned
No exact matches.



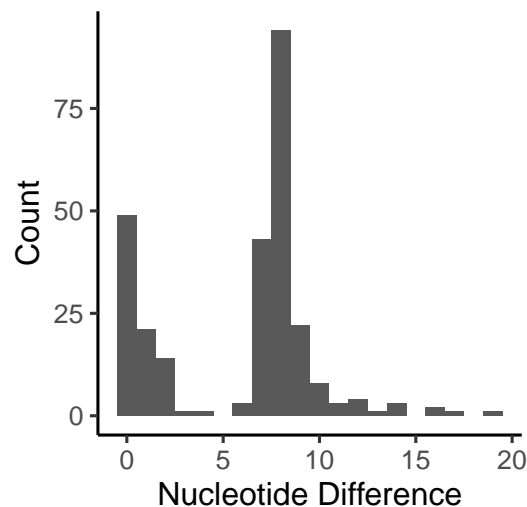
IGHV4-28*03

12 sequences assigned
No exact matches.



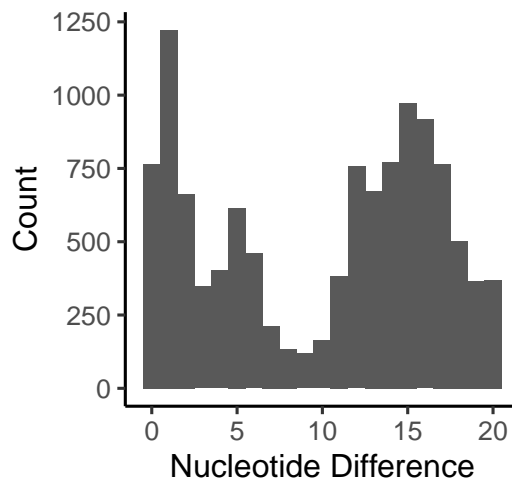
IGHV3-43D*04

278 sequences assigned
49 (17.6%) exact matches, in which:
46 unique CDR3
5 unique J



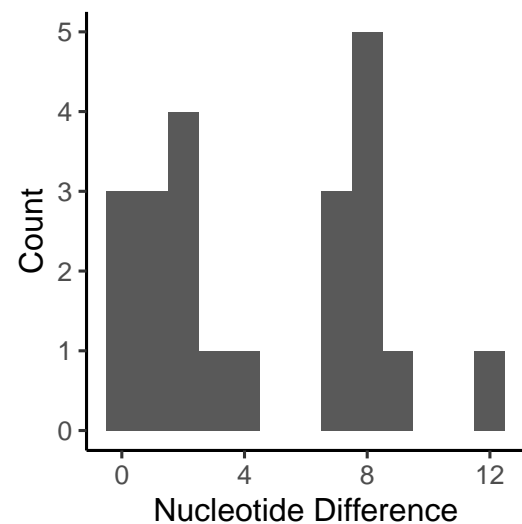
IGHV4-4*07

15929 sequences assigned
766 (4.8%) exact matches, in which:
646 unique CDR3
6 unique J



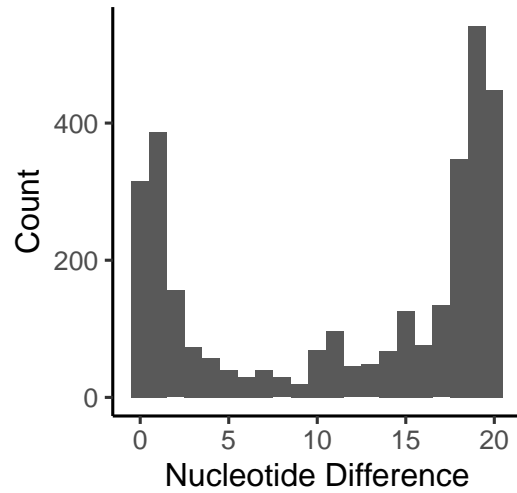
IGHV4-28*01_07

22 sequences assigned
3 (13.6%) exact matches, in which:
3 unique CDR3
2 unique J



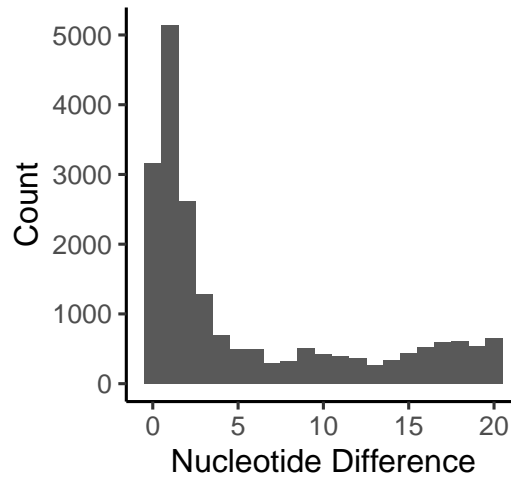
IGHV4-30-2*01

5032 sequences assigned
316 (6.3%) exact matches, in which:
258 unique CDR3
6 unique J



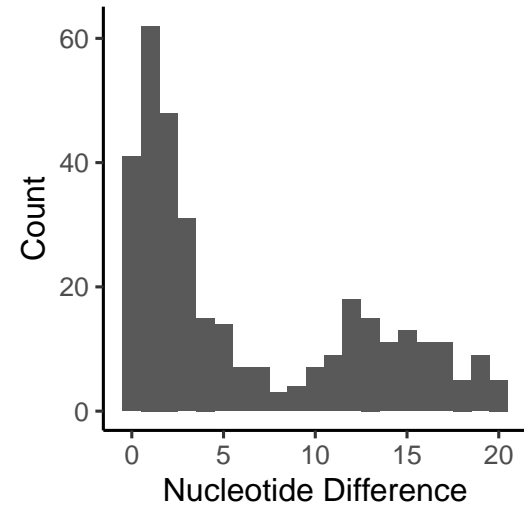
IGHV4-34*01_02

28457 sequences assigned
3159 (11.1%) exact matches, in which:
2623 unique CDR3
6 unique J



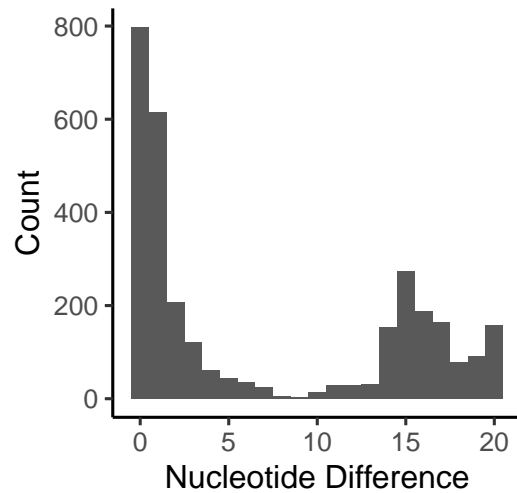
IGHV4-38-2*01_T247C

388 sequences assigned
41 (10.6%) exact matches, in which:
41 unique CDR3
6 unique J



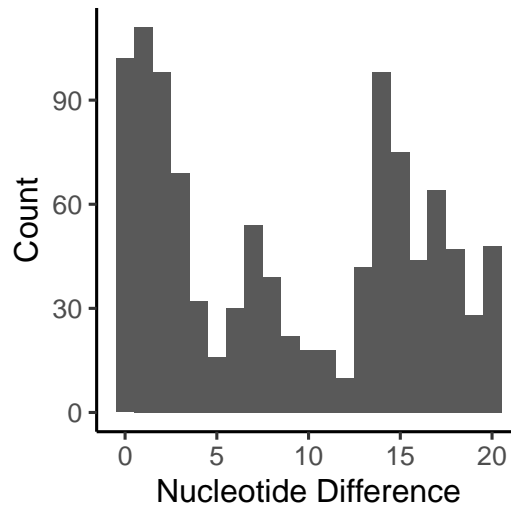
IGHV4-30-4*01

5038 sequences assigned
798 (15.8%) exact matches, in which:
637 unique CDR3
6 unique J



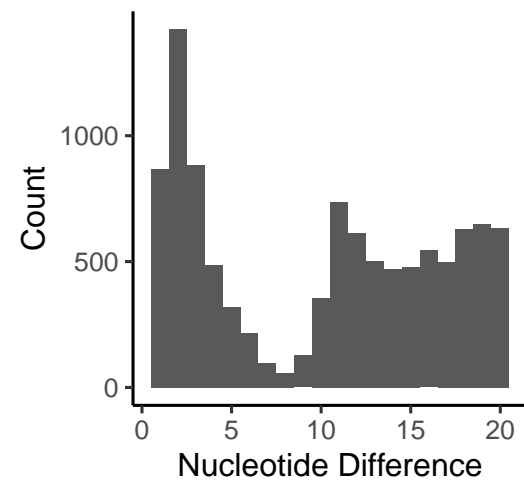
IGHV4-38-2*01

1537 sequences assigned
102 (6.6%) exact matches, in which:
99 unique CDR3
6 unique J



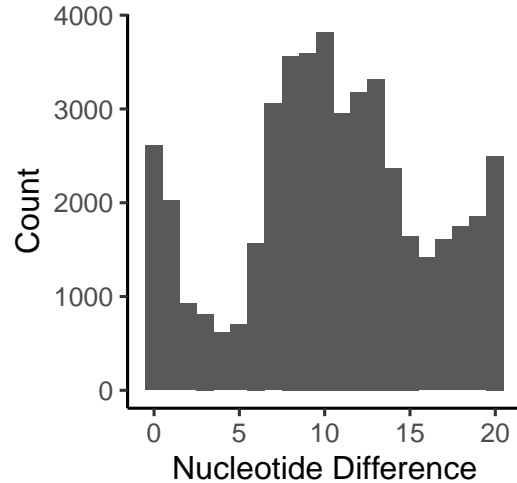
IGHV4-39*02

20158 sequences assigned
No exact matches.



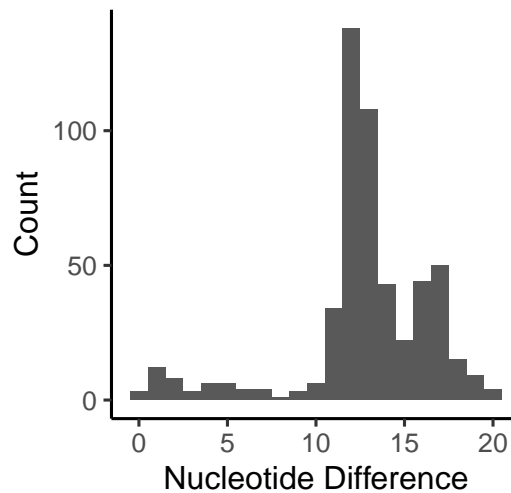
IGHV4-31*02

54278 sequences assigned
2612 (4.8%) exact matches, in which:
2068 unique CDR3
6 unique J



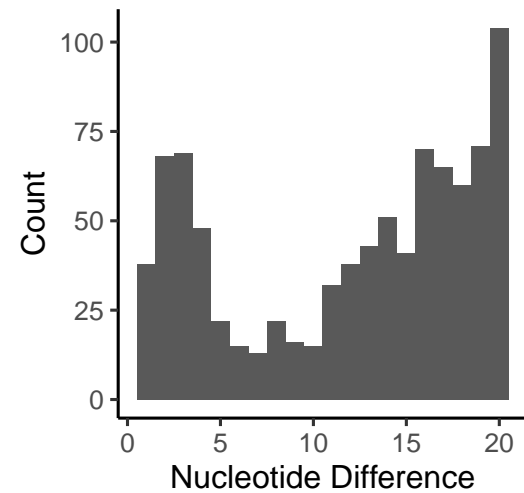
IGHV4-38-2*02

696 sequences assigned
3 (0.4%) exact matches, in which:
3 unique CDR3
2 unique J



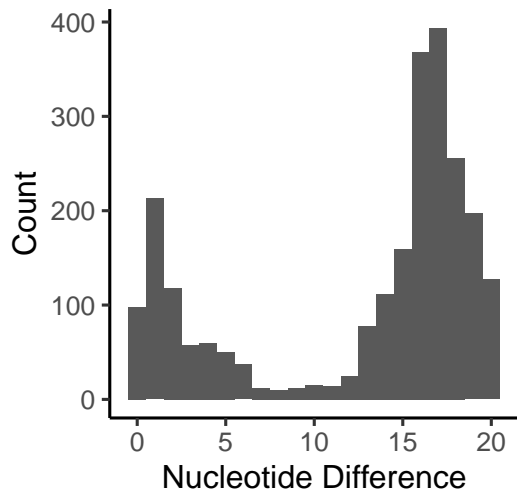
IGHV4-39*07

2948 sequences assigned
No exact matches.



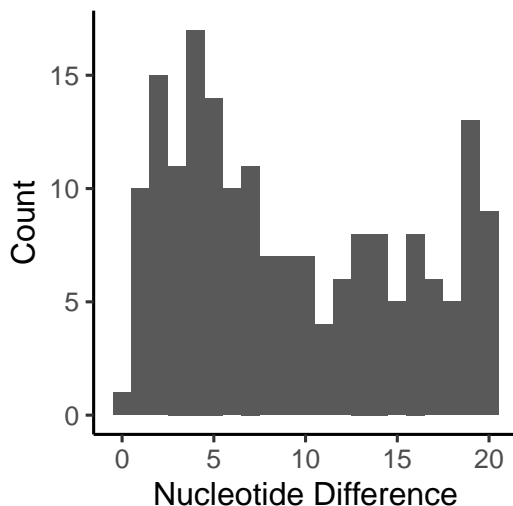
IGHV4–39*01_05

4812 sequences assigned
98 (2%) exact matches, in which:
85 unique CDR3
6 unique J



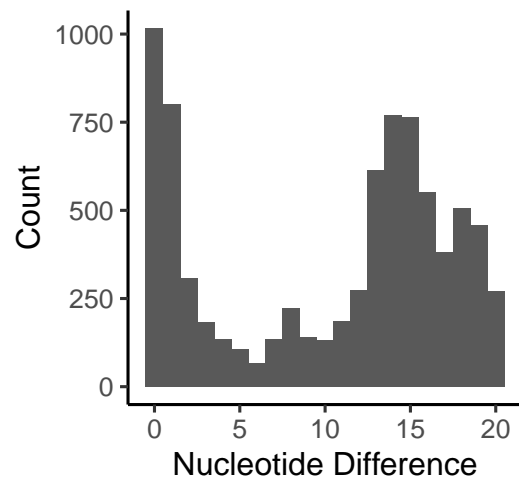
IGHV4–59*08

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



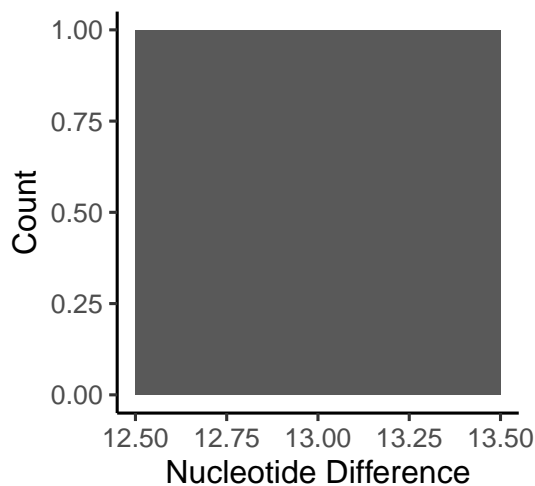
IGHV4–61*01

12877 sequences assigned
1016 (7.9%) exact matches, in which:
814 unique CDR3
6 unique J



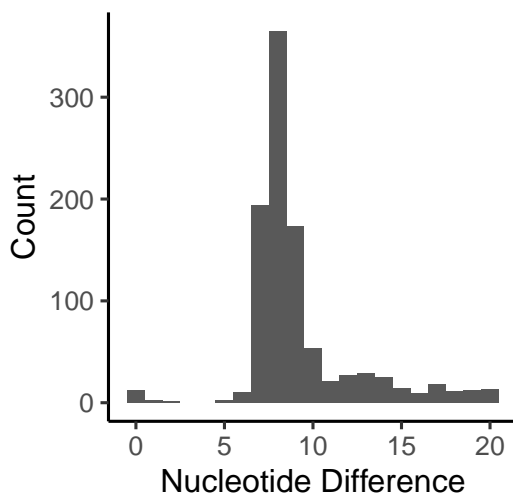
IGHV4–55*09

3 sequences assigned
No exact matches.



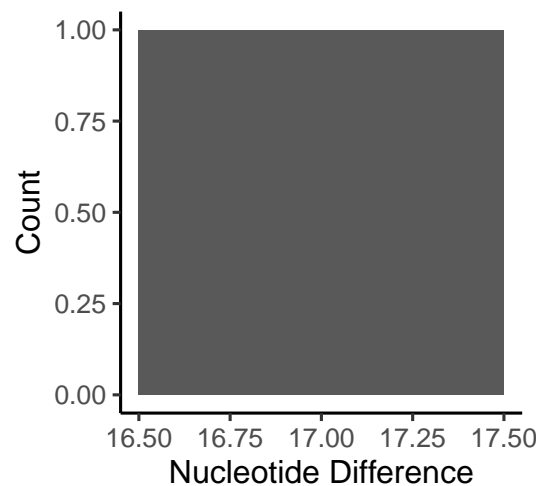
IGHV4–59*11

2314 sequences assigned
12 (0.5%) exact matches, in which:
12 unique CDR3
4 unique J



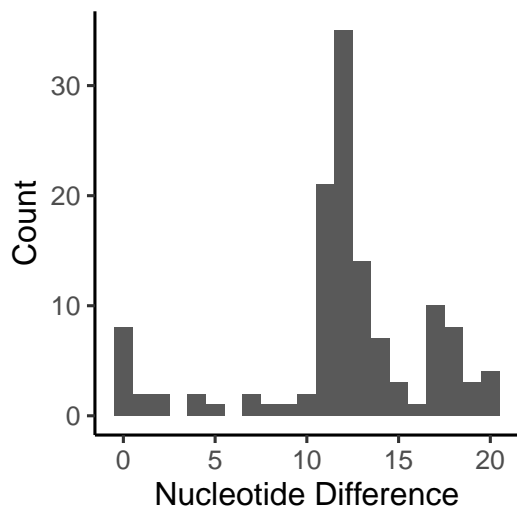
IGHV1/OR15–2*02_03

1 sequences assigned
No exact matches.



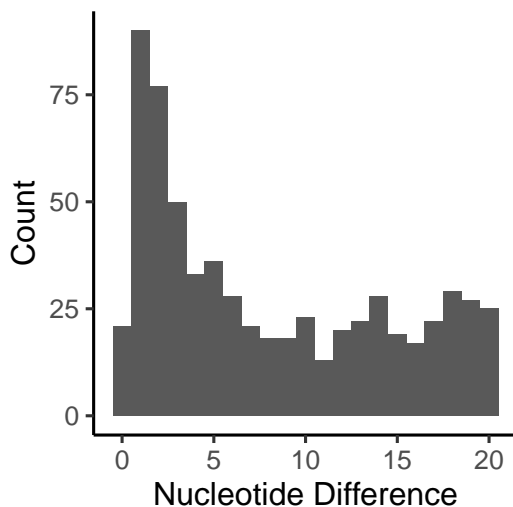
IGHV4–59*02

831 sequences assigned
8 (1%) exact matches, in which:
8 unique CDR3
3 unique J



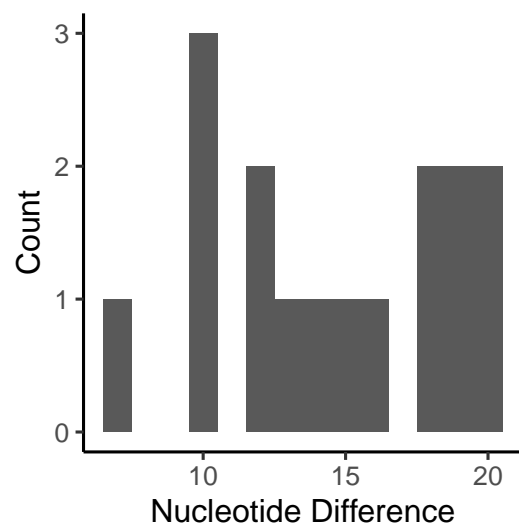
IGHV4–59*12

967 sequences assigned
21 (2.2%) exact matches, in which:
21 unique CDR3
4 unique J



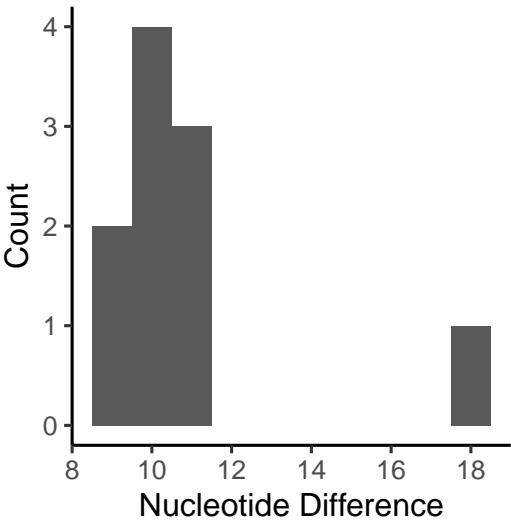
IGHV4/OR15–8*01

24 sequences assigned
No exact matches.



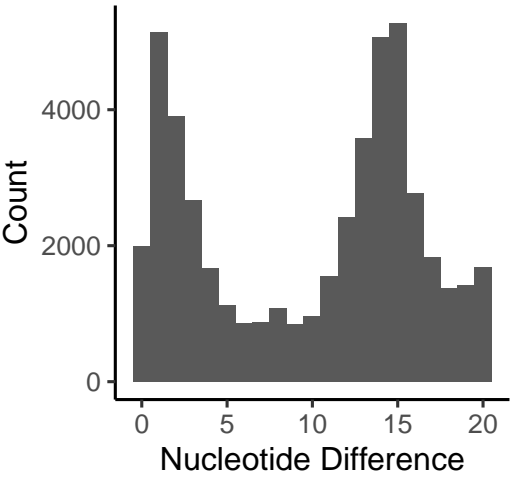
IGHV4/OR15-8*02

72 sequences assigned
No exact matches.



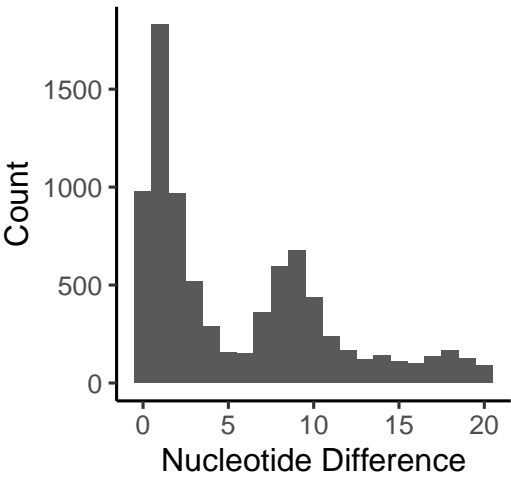
IGHV5-51*01_03

63761 sequences assigned
1987 (3.1%) exact matches, in which:
1715 unique CDR3
6 unique J



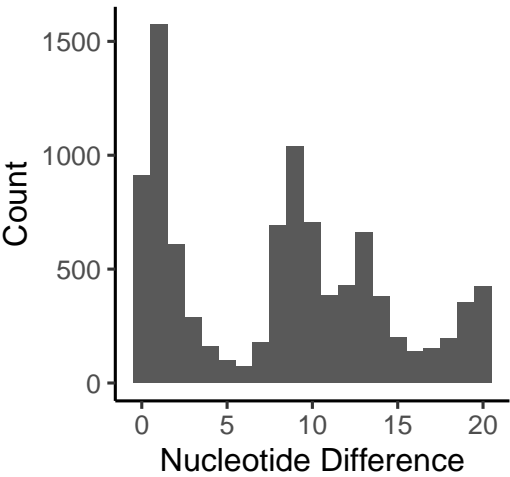
IGHV5-10-1*01_03

9237 sequences assigned
976 (10.6%) exact matches, in which:
852 unique CDR3
6 unique J



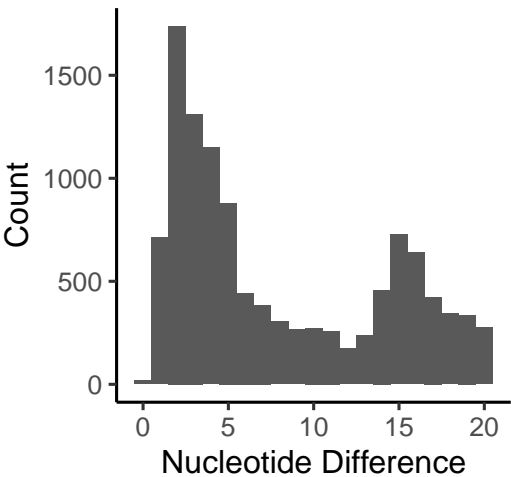
IGHV6-1*01_02

11794 sequences assigned
909 (7.7%) exact matches, in which:
724 unique CDR3
6 unique J

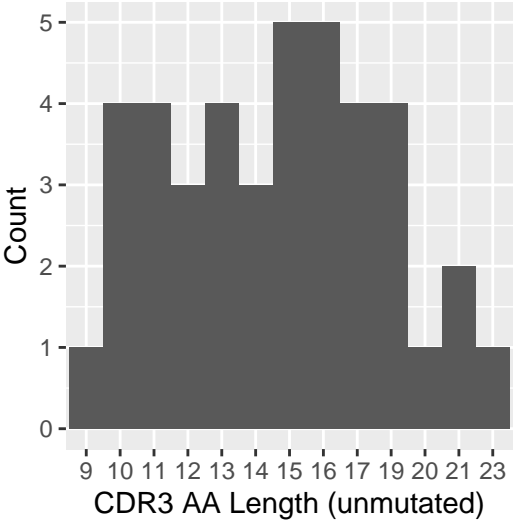


IGHV5-51*07

13275 sequences assigned
18 (0.1%) exact matches, in which:
16 unique CDR3
4 unique J



IGHV4-38-2*01_T247C





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

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