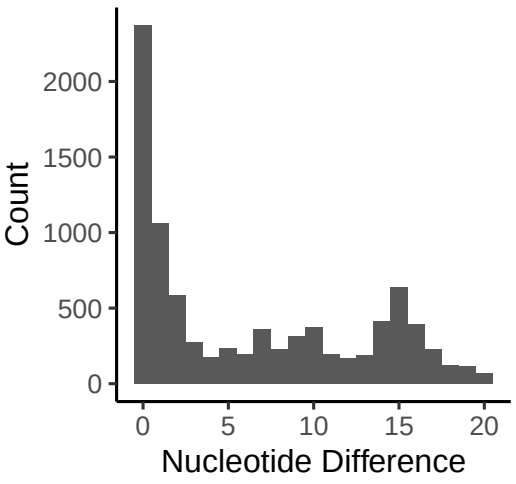
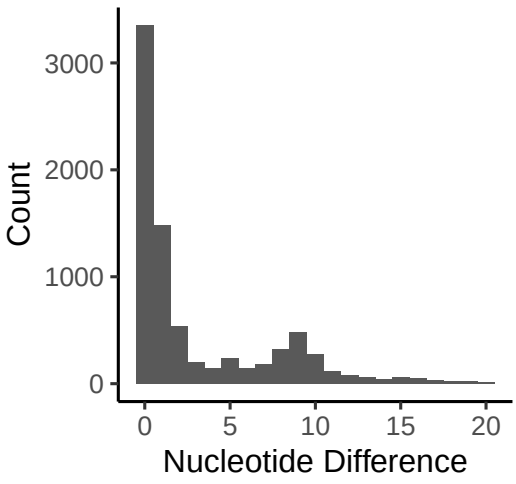
IGHV1−2*02

9171 sequences assigned
2371 (25.9%) exact matches, in which:
2250 unique CDR3
6 unique J



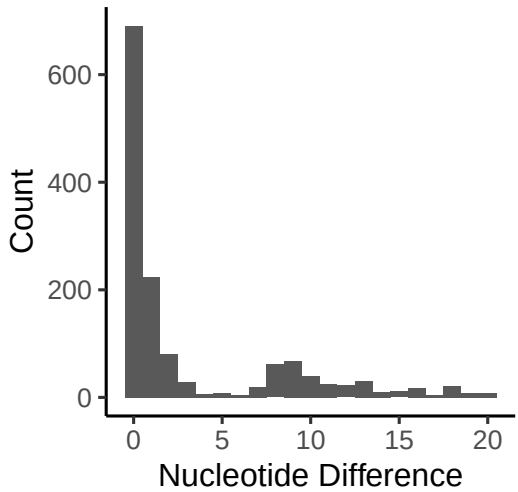
IGHV1−8*01

7973 sequences assigned
3351 (42%) exact matches, in which:
3154 unique CDR3
6 unique J



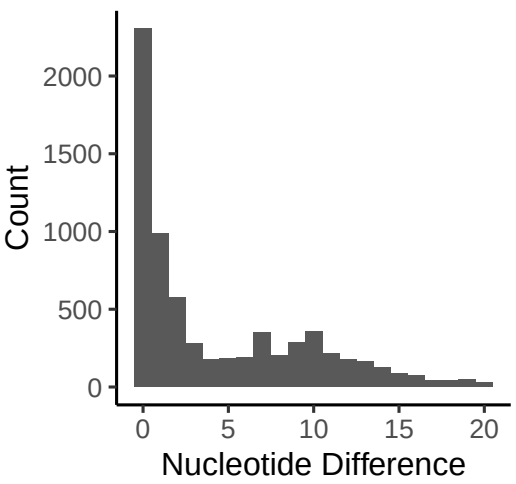
IGHV1−24*01

1486 sequences assigned
691 (46.5%) exact matches, in which:
645 unique CDR3
6 unique J



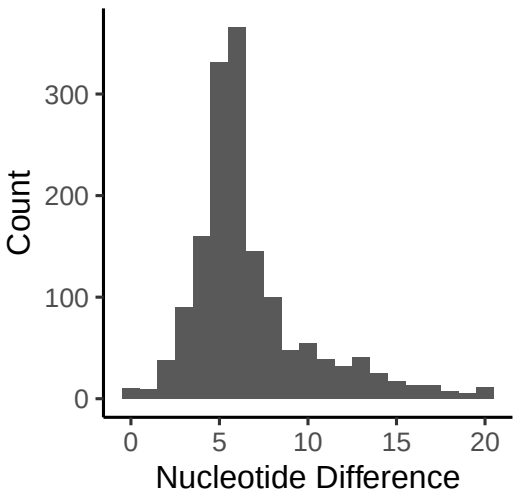
IGHV1−2*06

7108 sequences assigned
2304 (32.4%) exact matches, in which:
2184 unique CDR3
6 unique J



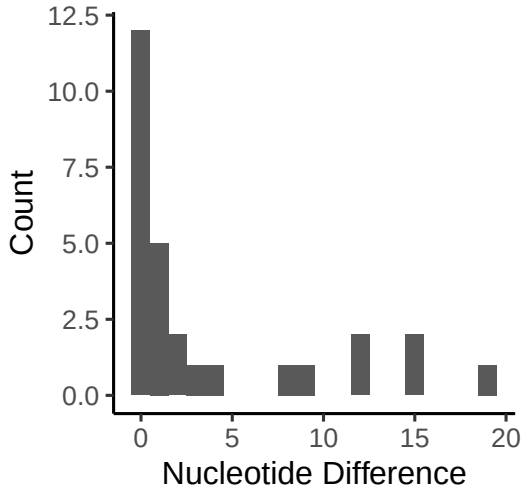
IGHV1−8*02

1590 sequences assigned
10 (0.6%) exact matches, in which:
10 unique CDR3
4 unique J



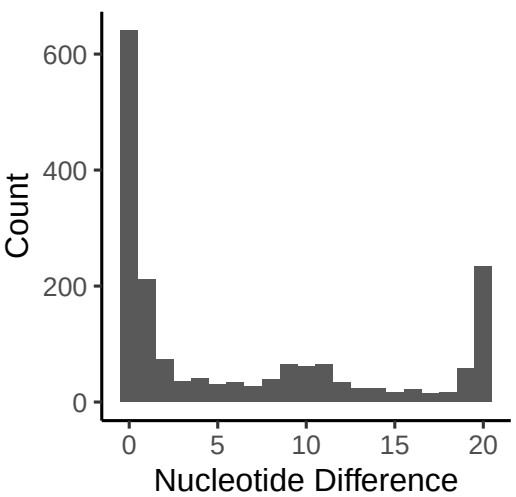
IGHV1−45*02

28 sequences assigned
12 (42.9%) exact matches, in which:
11 unique CDR3
4 unique J



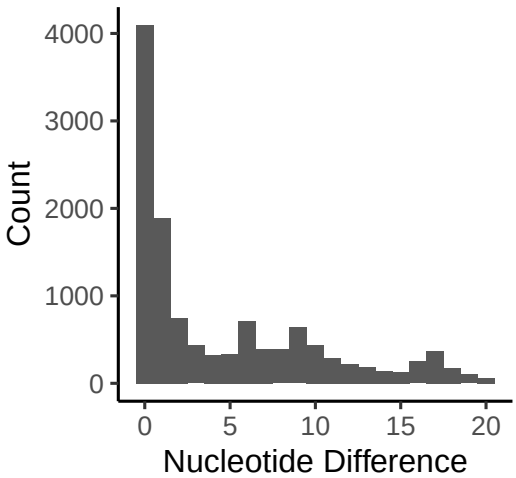
IGHV1−3*01_05

2703 sequences assigned
641 (23.7%) exact matches, in which:
596 unique CDR3
6 unique J



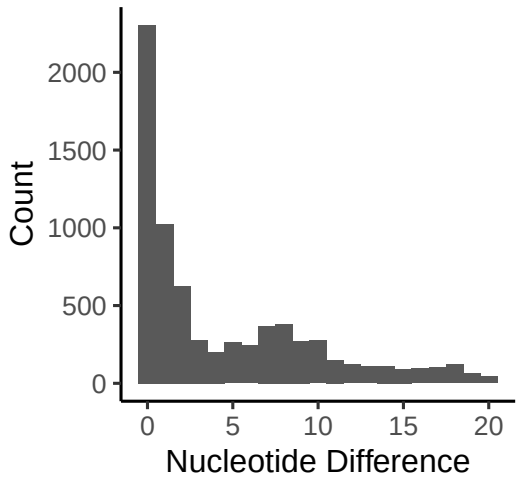
IGHV1−18*01

12771 sequences assigned
4096 (32.1%) exact matches, in which:
3831 unique CDR3
6 unique J



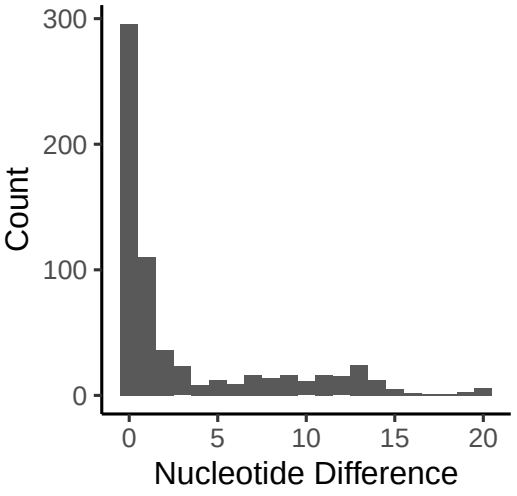
IGHV1−46*01

7719 sequences assigned
2304 (29.8%) exact matches, in which:
2180 unique CDR3
6 unique J



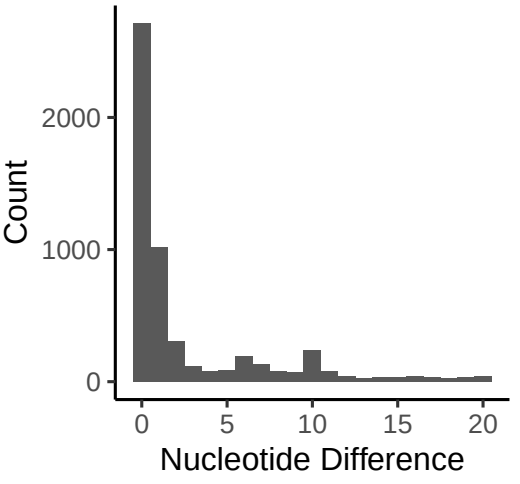
IGHV1−58*01_03

648 sequences assigned
296 (45.7%) exact matches, in which:
279 unique CDR3
6 unique J



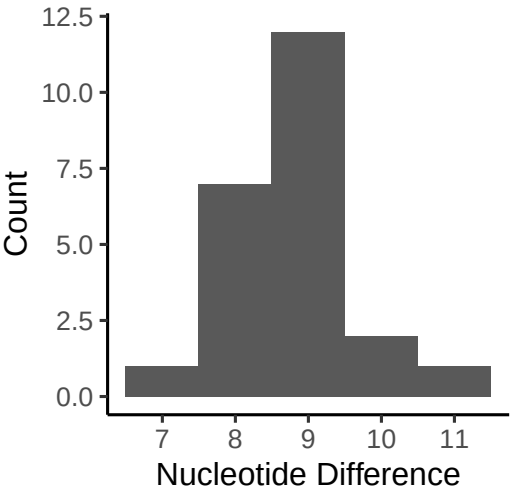
IGHV1−69*01_12_13

5574 sequences assigned
2712 (48.7%) exact matches, in which:
2606 unique CDR3
6 unique J



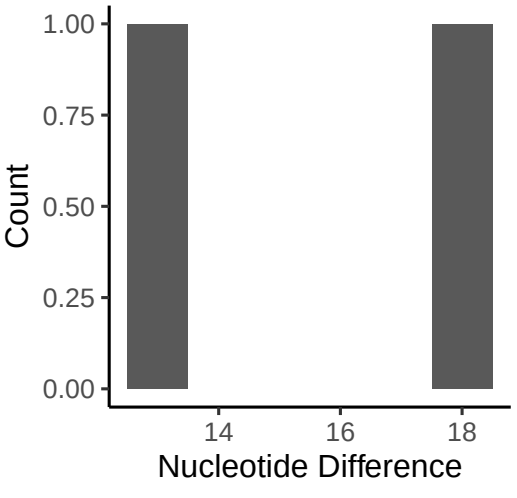
IGHV1−NL1*01

23 sequences assigned
No exact matches.



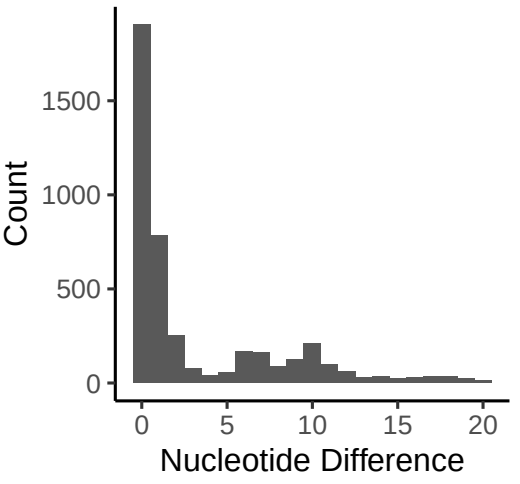
IGHV1−68*02_03

2 sequences assigned
No exact matches.



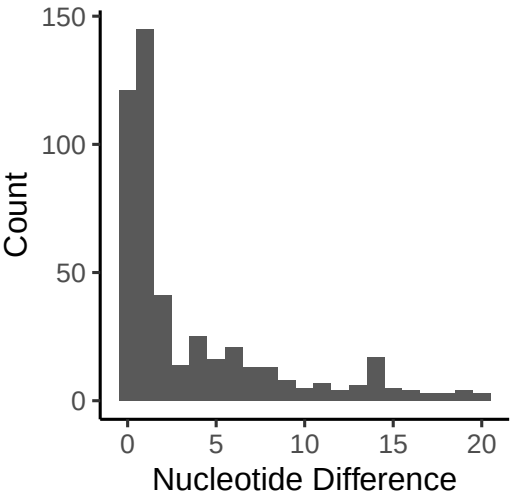
IGHV1−69*04_09

4425 sequences assigned
1904 (43%) exact matches, in which:
1834 unique CDR3
6 unique J



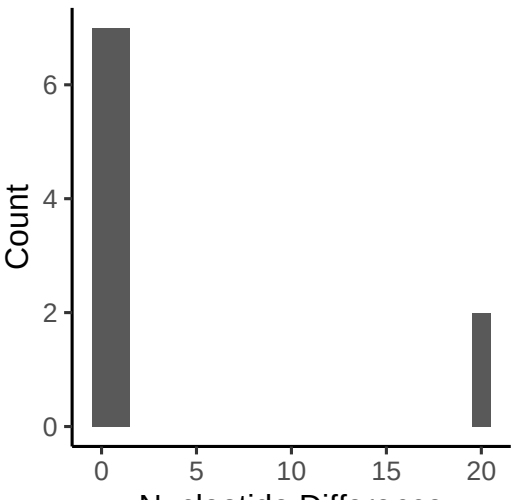
IGHV2−5*01

498 sequences assigned
121 (24.3%) exact matches, in which:
108 unique CDR3
5 unique J



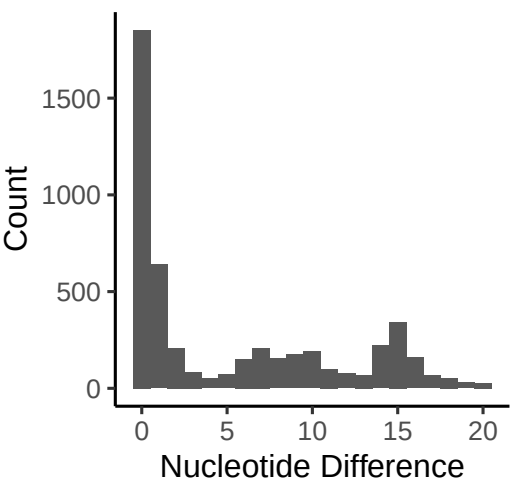
IGHV1−69−2*01

19 sequences assigned
7 (36.8%) exact matches, in which:
7 unique CDR3
2 unique J



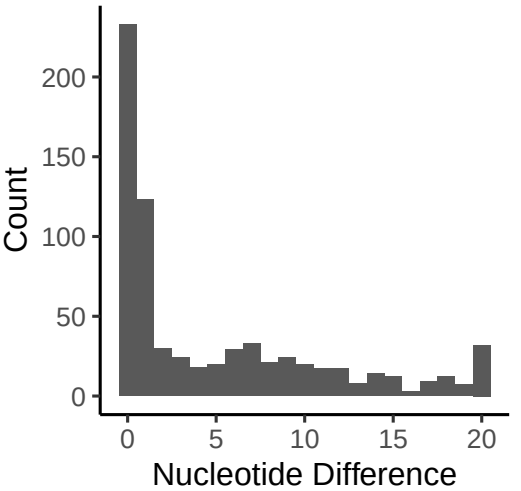
IGHV1−69*06_14

5048 sequences assigned
1852 (36.7%) exact matches, in which:
1801 unique CDR3
6 unique J



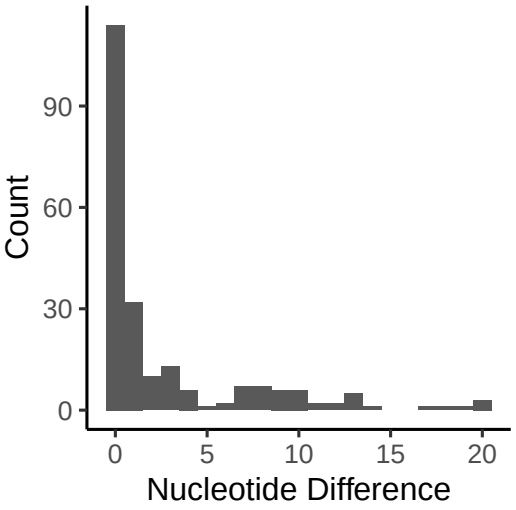
IGHV2−5*02

826 sequences assigned
233 (28.2%) exact matches, in which:
222 unique CDR3
6 unique J



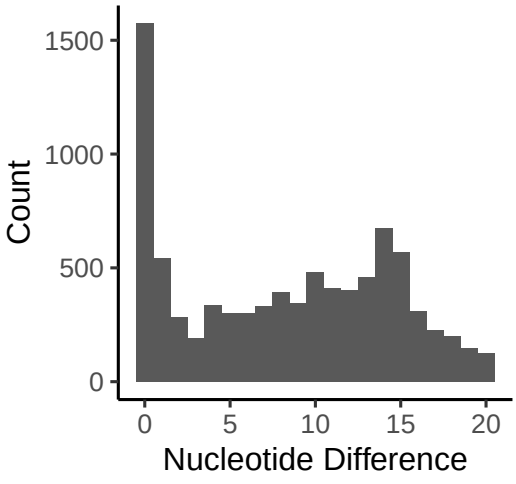
IGHV2−26*01

228 sequences assigned
114 (50%) exact matches, in which:
107 unique CDR3
5 unique J



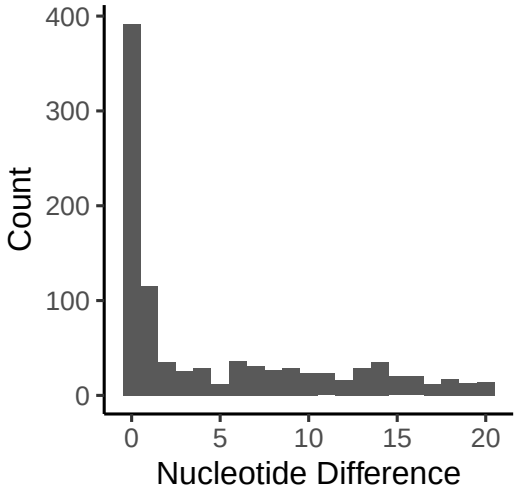
IGHV3−7*01

9013 sequences assigned
1574 (17.5%) exact matches, in which:
1266 unique CDR3
6 unique J



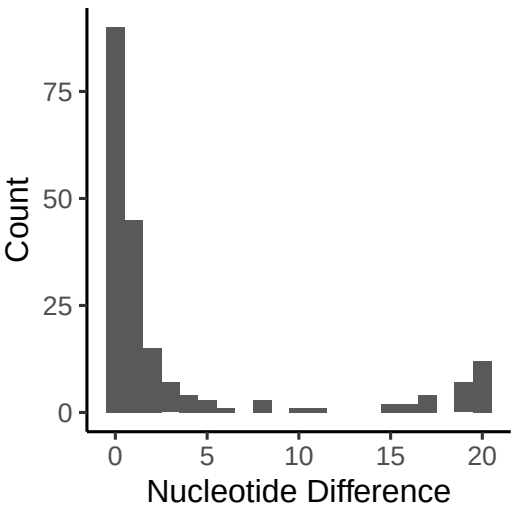
IGHV3−13*01

1067 sequences assigned
392 (36.7%) exact matches, in which:
304 unique CDR3
5 unique J



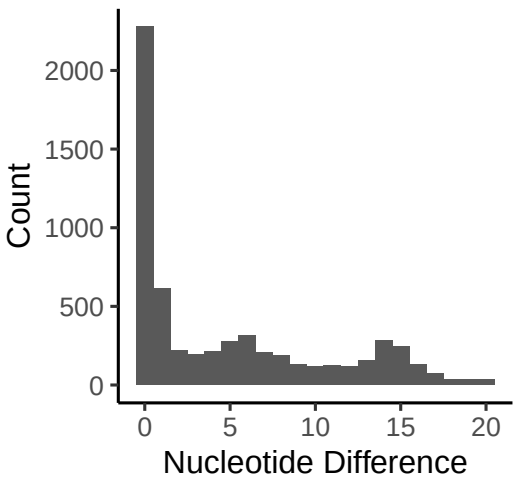
IGHV2−70*01

201 sequences assigned
90 (44.8%) exact matches, in which:
85 unique CDR3
4 unique J



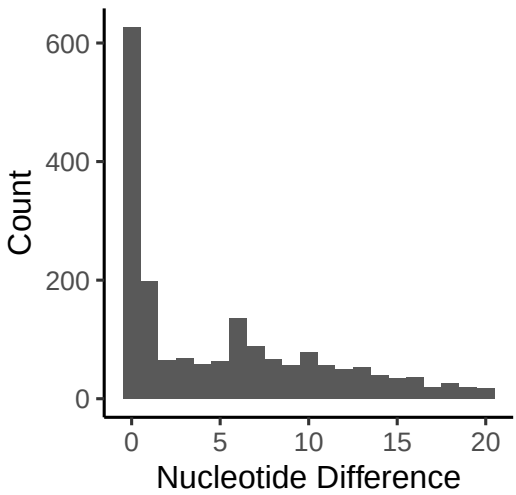
IGHV3−9*01

6152 sequences assigned
2278 (37%) exact matches, in which:
1833 unique CDR3
6 unique J



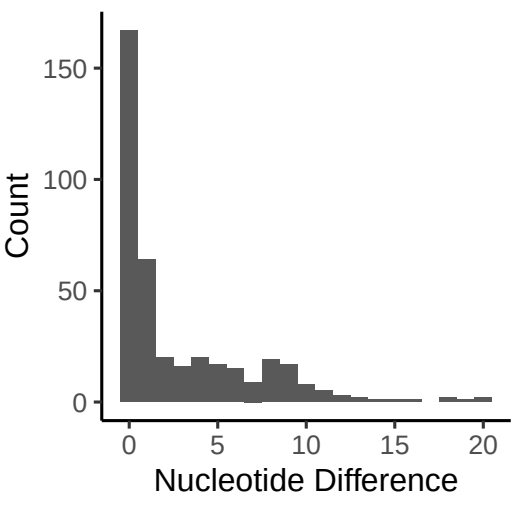
IGHV3−15*01_02

2028 sequences assigned
627 (30.9%) exact matches, in which:
526 unique CDR3
6 unique J



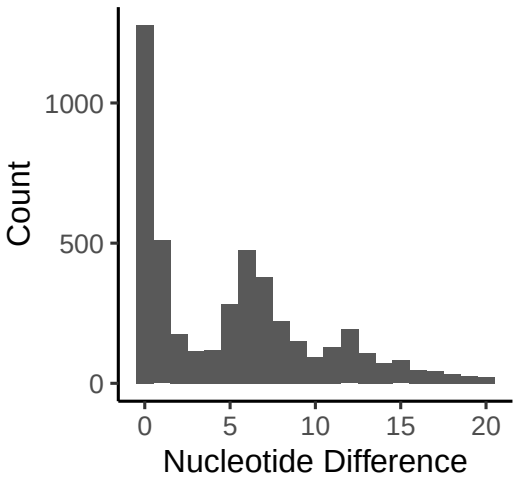
IGHV2−70*11_15

403 sequences assigned
167 (41.4%) exact matches, in which:
159 unique CDR3
5 unique J



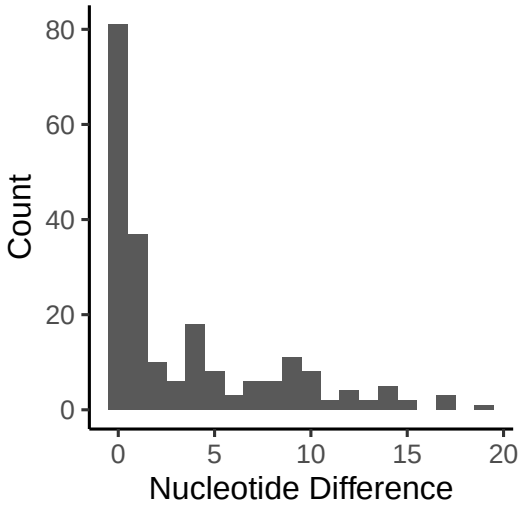
IGHV3−11*01

4772 sequences assigned
1278 (26.8%) exact matches, in which:
1046 unique CDR3
6 unique J



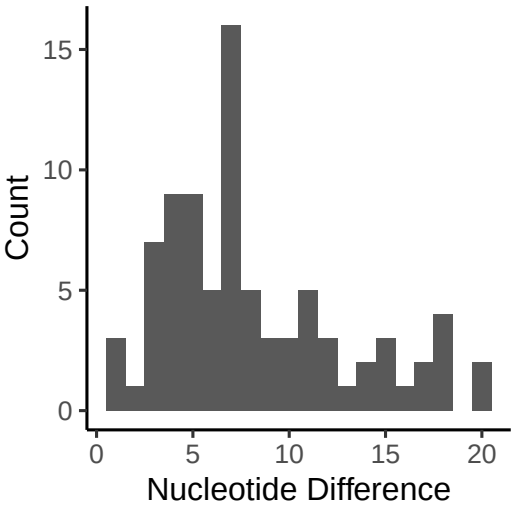
IGHV3−20*01_02

236 sequences assigned
81 (34.3%) exact matches, in which:
69 unique CDR3
5 unique J



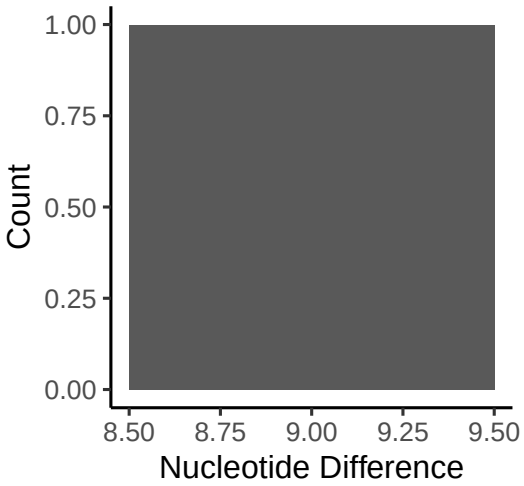
IGHV3−20*03_04

103 sequences assigned
No exact matches.



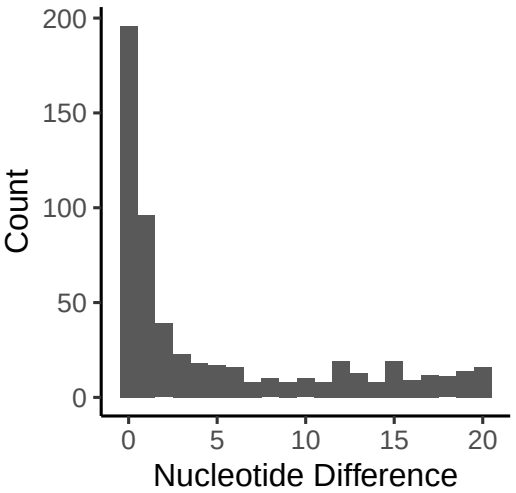
IGHV3−22*01_02

1 sequences assigned
No exact matches.



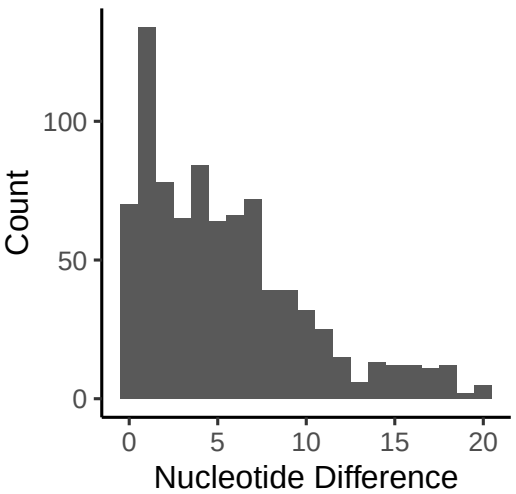
IGHV3−30*03

773 sequences assigned
196 (25.4%) exact matches, in which:
192 unique CDR3
6 unique J



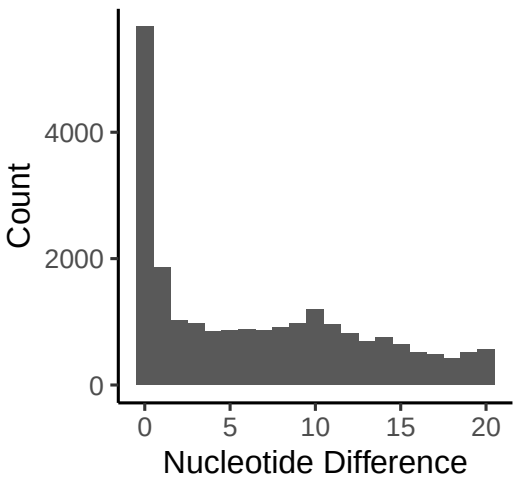
IGHV3−21*04

918 sequences assigned
70 (7.6%) exact matches, in which:
70 unique CDR3
5 unique J



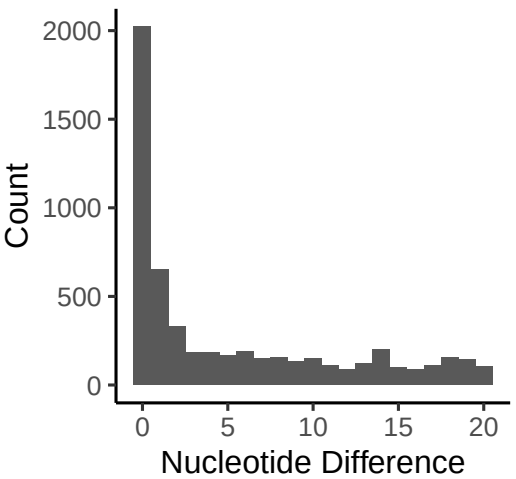
IGHV3−23*01_04

27139 sequences assigned
5670 (20.9%) exact matches, in which:
4470 unique CDR3
6 unique J



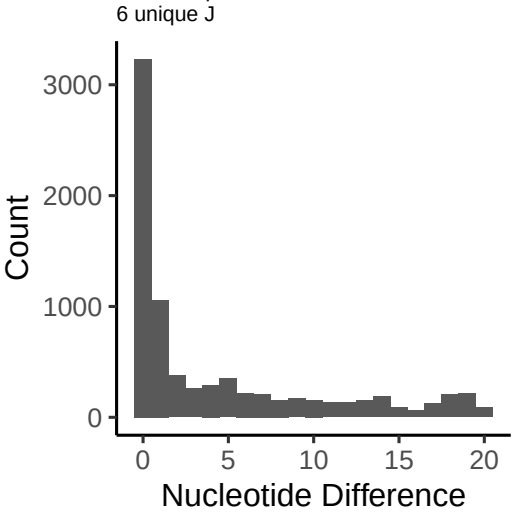
IGHV3−33*01

7638 sequences assigned
2022 (26.5%) exact matches, in which:
1713 unique CDR3
6 unique J



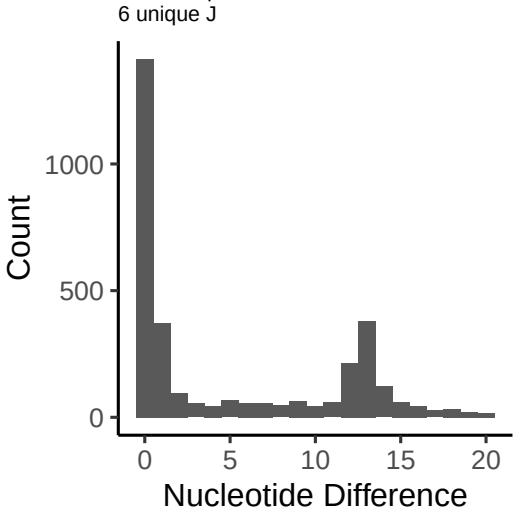
IGHV3−21*01_02

10952 sequences assigned
3232 (29.5%) exact matches, in which:
2590 unique CDR3
6 unique J



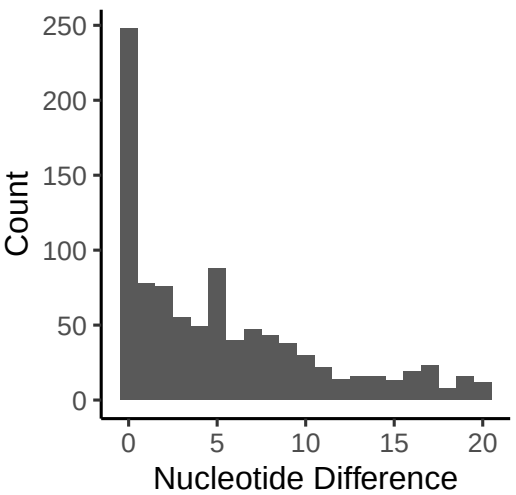
IGHV3−30−3*01

3445 sequences assigned
1414 (41%) exact matches, in which:
1162 unique CDR3
6 unique J



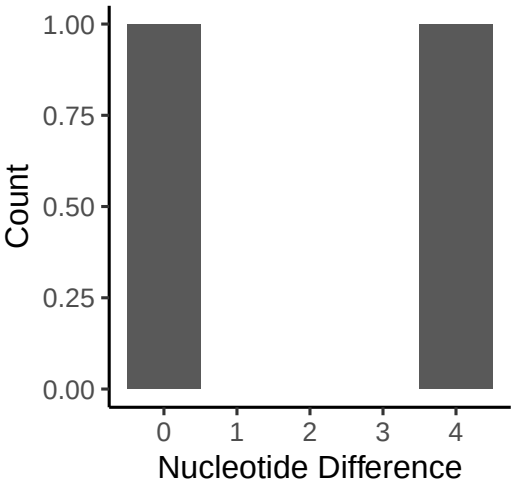
IGHV3−33*08

1329 sequences assigned
248 (18.7%) exact matches, in which:
246 unique CDR3
6 unique J



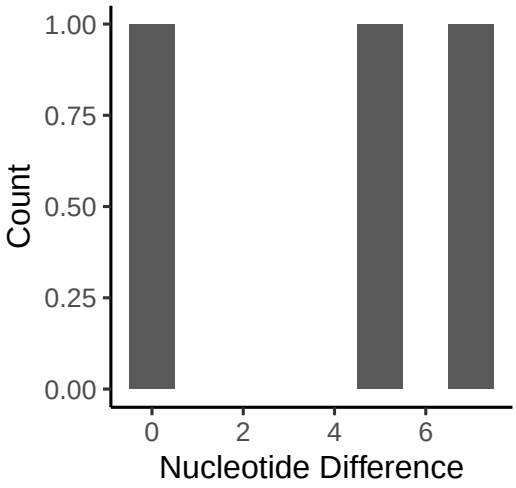
IGHV3−35*01

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



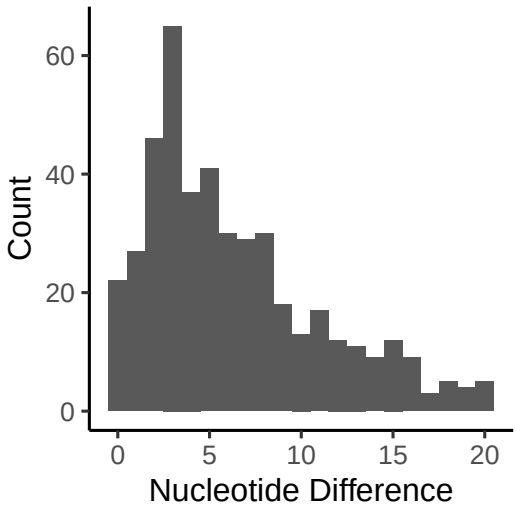
IGHV3−47*02

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



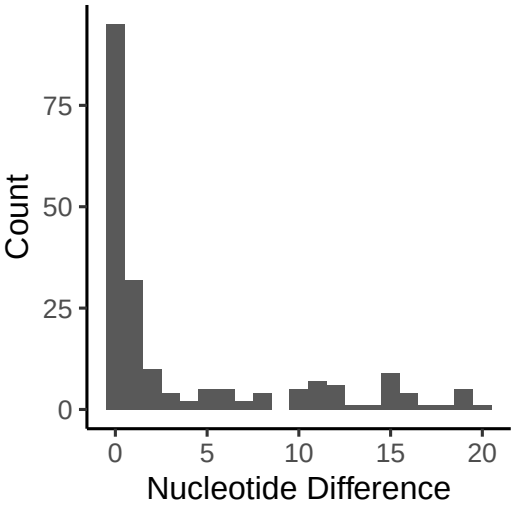
IGHV3−48*04

455 sequences assigned
22 (4.8%) exact matches, in which:
22 unique CDR3
4 unique J



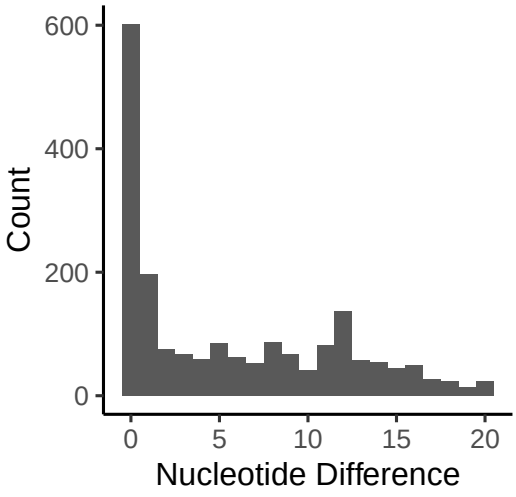
IGHV3−43*01

210 sequences assigned
95 (45.2%) exact matches, in which:
81 unique CDR3
6 unique J



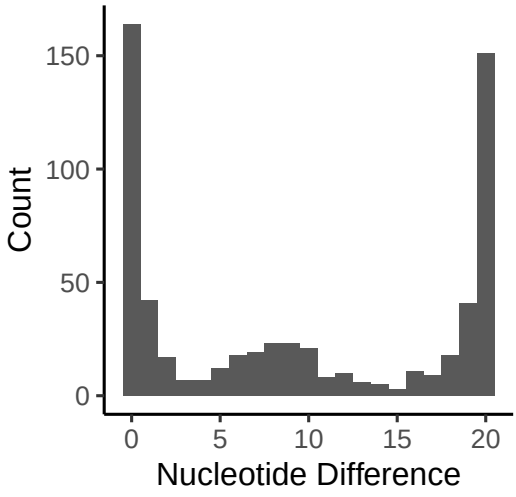
IGHV3−48*02

2048 sequences assigned
602 (29.4%) exact matches, in which:
498 unique CDR3
6 unique J



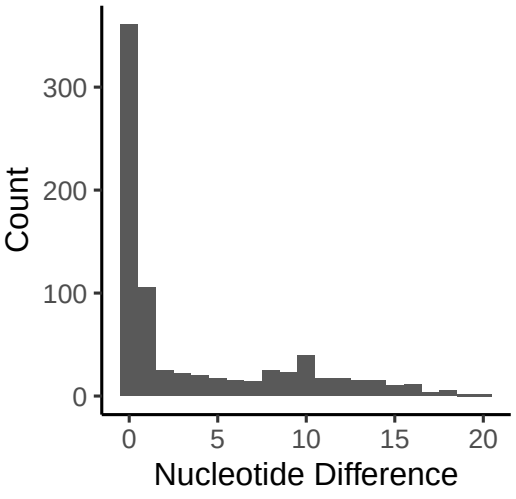
IGHV3−49*04

1189 sequences assigned
164 (13.8%) exact matches, in which:
137 unique CDR3
6 unique J



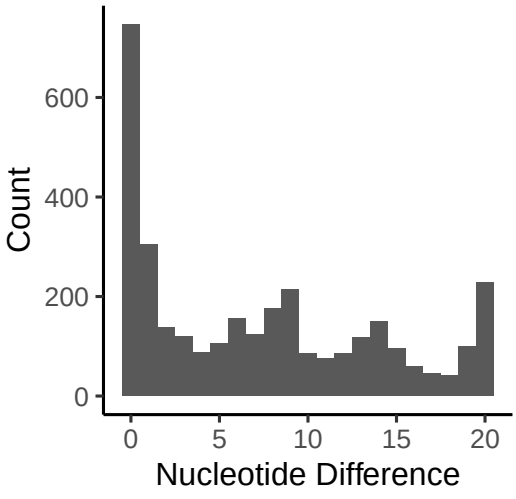
IGHV3−43*02

793 sequences assigned
361 (45.5%) exact matches, in which:
297 unique CDR3
6 unique J



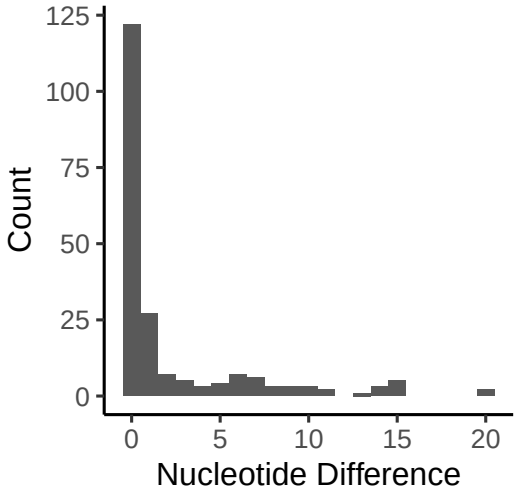
IGHV3−48*03

3532 sequences assigned
747 (21.1%) exact matches, in which:
611 unique CDR3
6 unique J



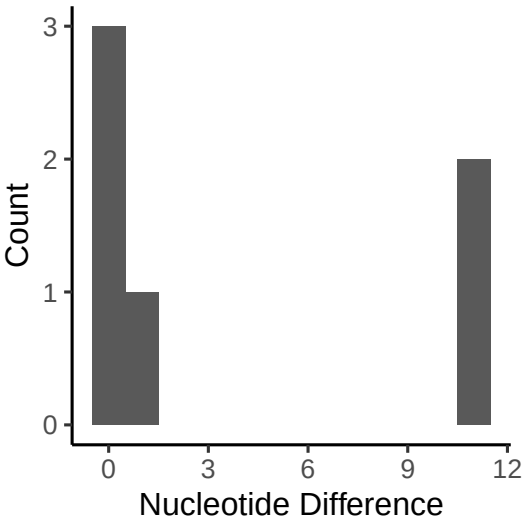
IGHV3−49*03_05

207 sequences assigned
122 (58.9%) exact matches, in which:
105 unique CDR3
4 unique J



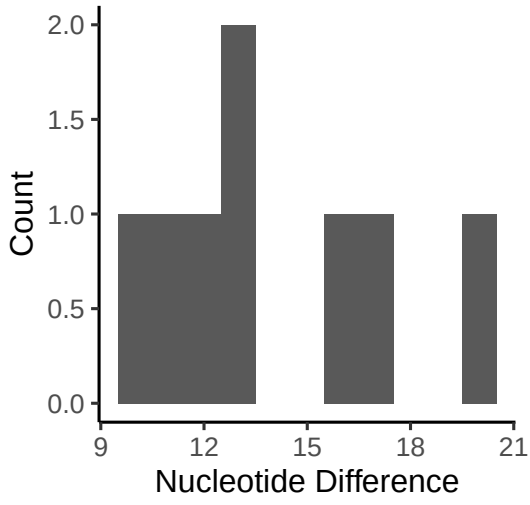
IGHV3−52*01_03

6 sequences assigned
3 (50%) exact matches, in which:
2 unique CDR3
2 unique J



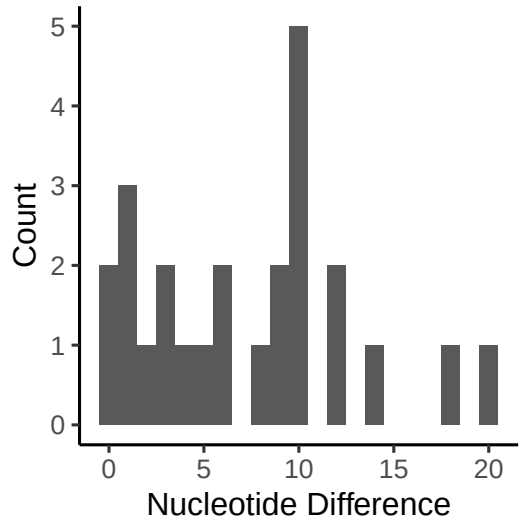
IGHV3−64*04

8 sequences assigned
No exact matches.



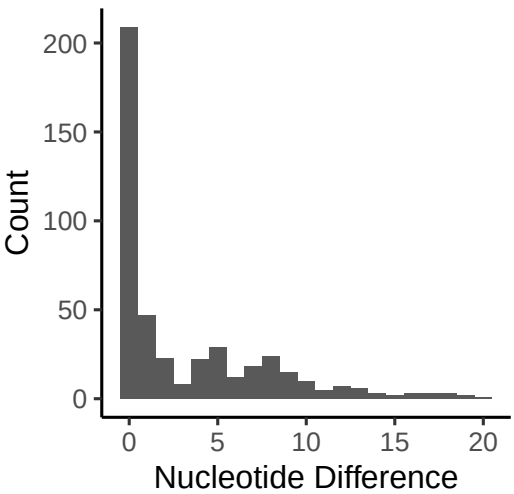
IGHV3−69−1*01

31 sequences assigned
2 (6.5%) exact matches, in which:
2 unique CDR3
2 unique J



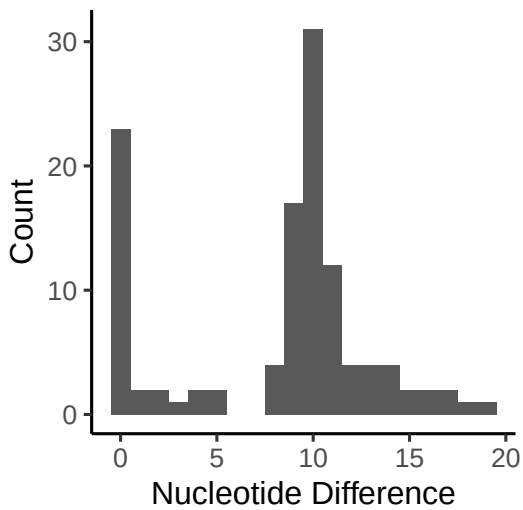
IGHV3−53*04

466 sequences assigned
209 (44.8%) exact matches, in which:
169 unique CDR3
5 unique J



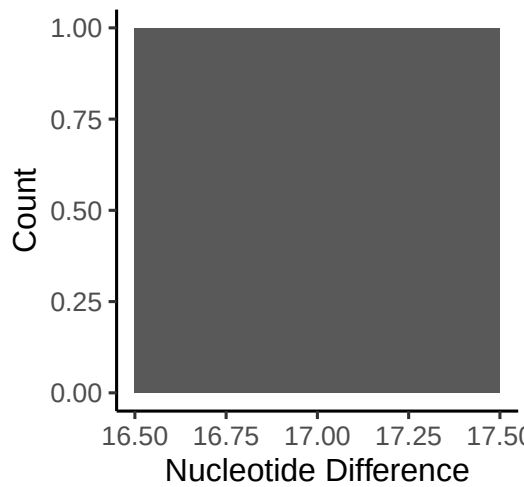
IGHV3−64*02_07

119 sequences assigned
23 (19.3%) exact matches, in which:
18 unique CDR3
5 unique J



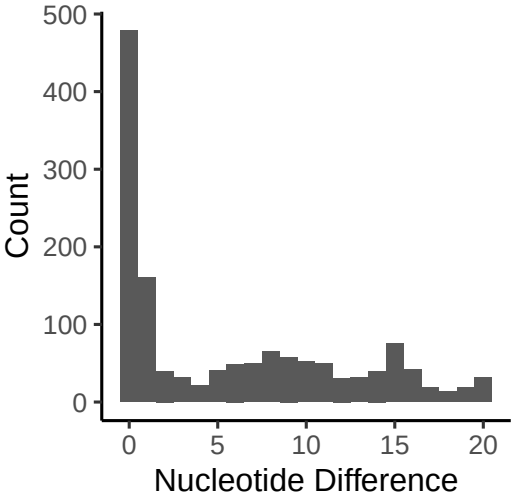
IGHV3−69−1*02

17 sequences assigned
No exact matches.



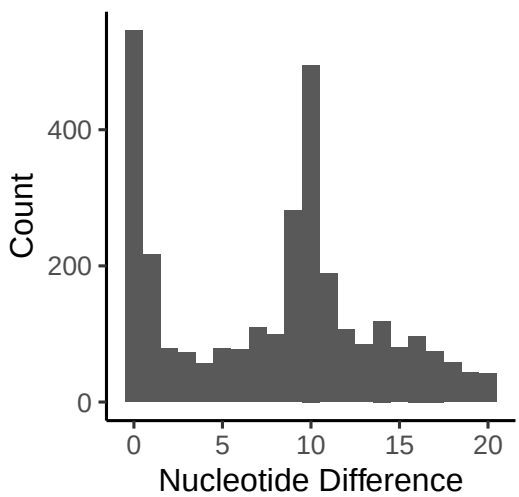
IGHV3−53*01_02

2821 sequences assigned
479 (17%) exact matches, in which:
397 unique CDR3
5 unique J



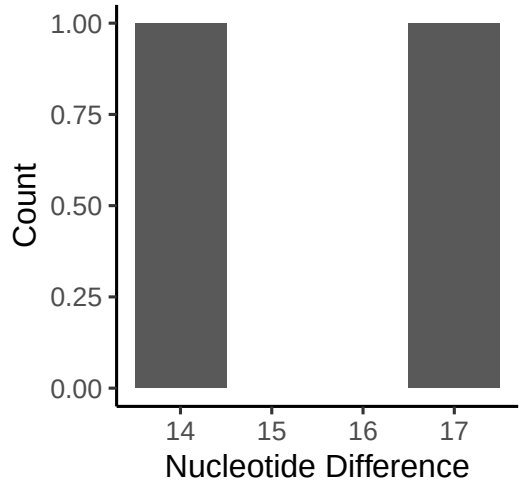
IGHV3−66*01

3445 sequences assigned
546 (15.8%) exact matches, in which:
440 unique CDR3
6 unique J



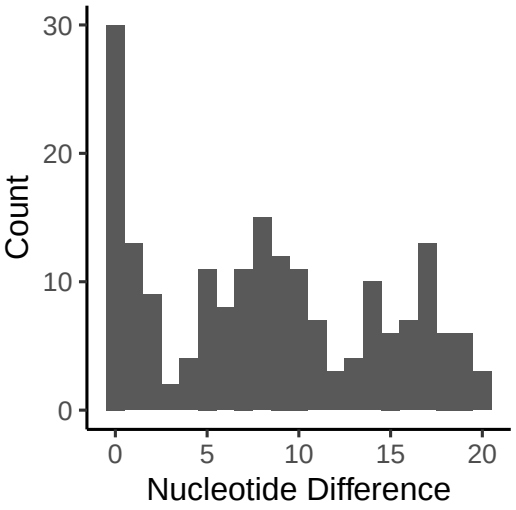
IGHV3−71*01_04

8 sequences assigned
No exact matches.



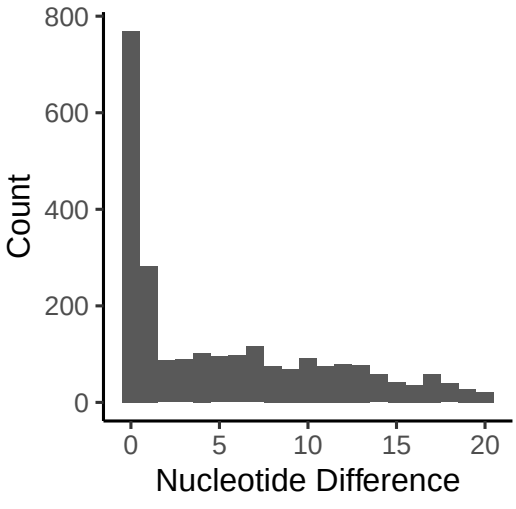
IGHV3−72*01

337 sequences assigned
30 (8.9%) exact matches, in which:
24 unique CDR3
4 unique J



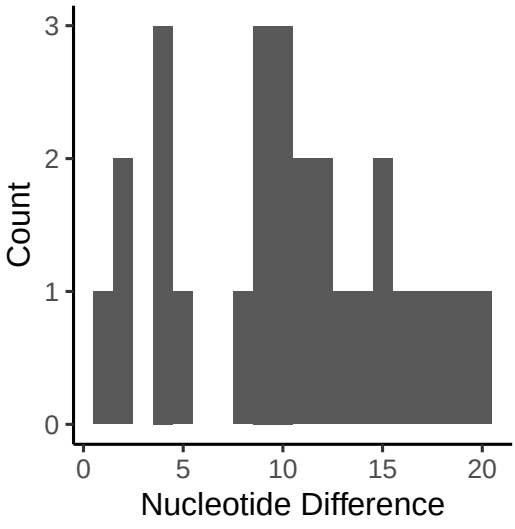
IGHV3−74*01_02

2471 sequences assigned
770 (31.2%) exact matches, in which:
607 unique CDR3
6 unique J



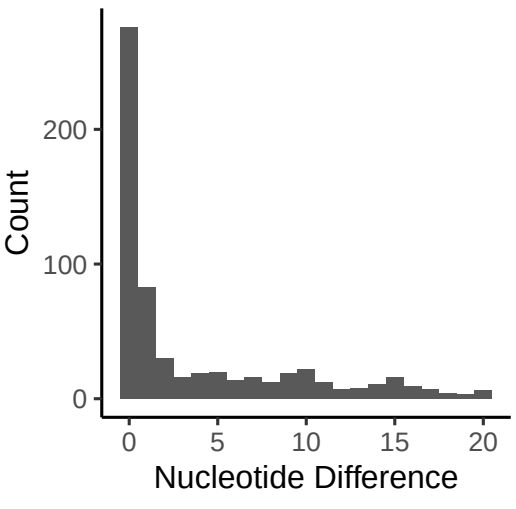
IGHV3−NL1*01

39 sequences assigned
No exact matches.



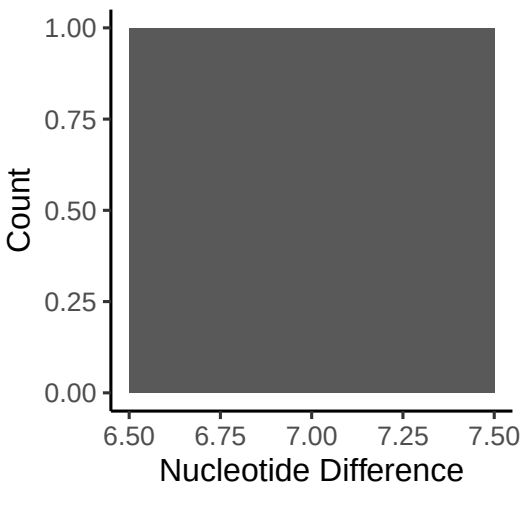
IGHV3−73*01_02

632 sequences assigned
276 (43.7%) exact matches, in which:
221 unique CDR3
6 unique J



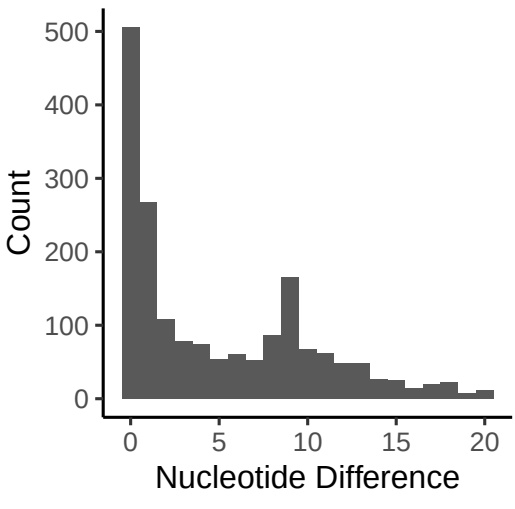
IGHV3−43D*04

1 sequences assigned
No exact matches.



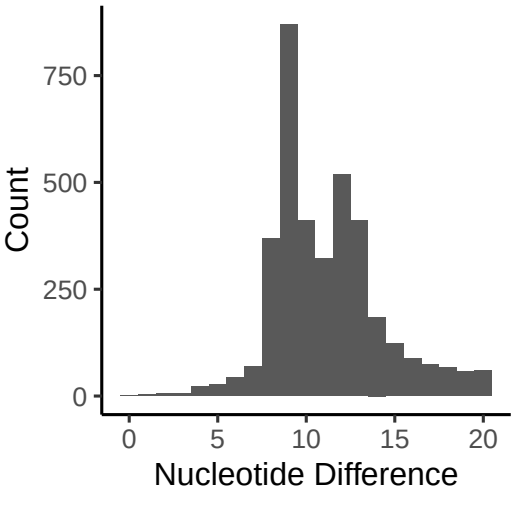
IGHV4−4*07

1868 sequences assigned
506 (27.1%) exact matches, in which:
471 unique CDR3
6 unique J



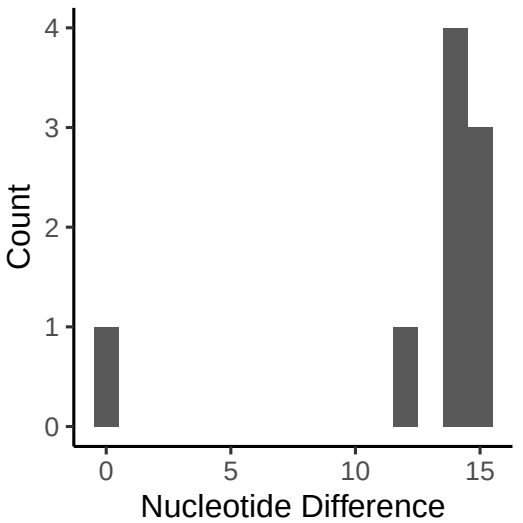
IGHV3−74*03

3902 sequences assigned
1 (0%) exact matches, in which:
1 unique CDR3
1 unique J



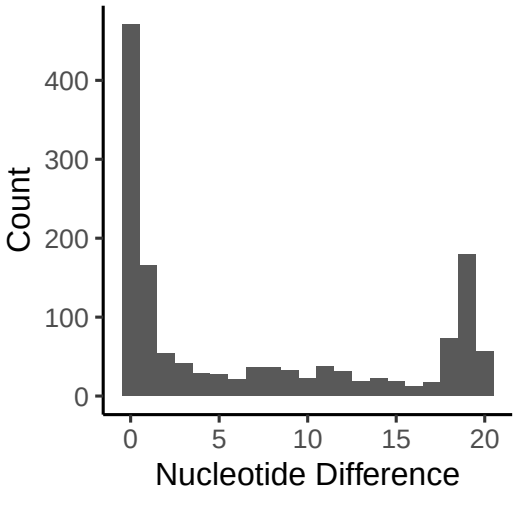
IGHV3−64D*06

19 sequences assigned
1 (5.3%) exact matches, in which:
1 unique CDR3
1 unique J



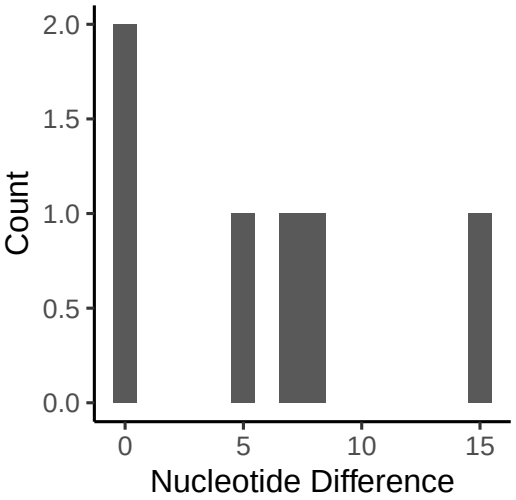
IGHV4−4*02_03

1666 sequences assigned
471 (28.3%) exact matches, in which:
445 unique CDR3
6 unique J



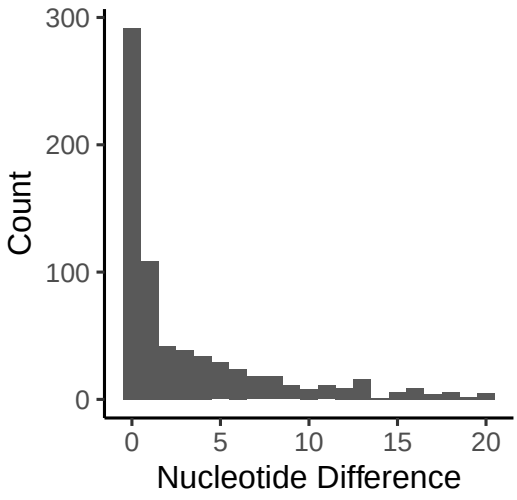
IGHV4−28*03

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



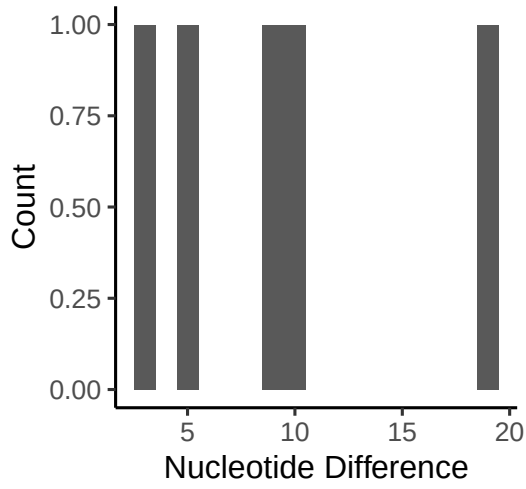
IGHV4−30−4*01

924 sequences assigned
292 (31.6%) exact matches, in which:
277 unique CDR3
6 unique J



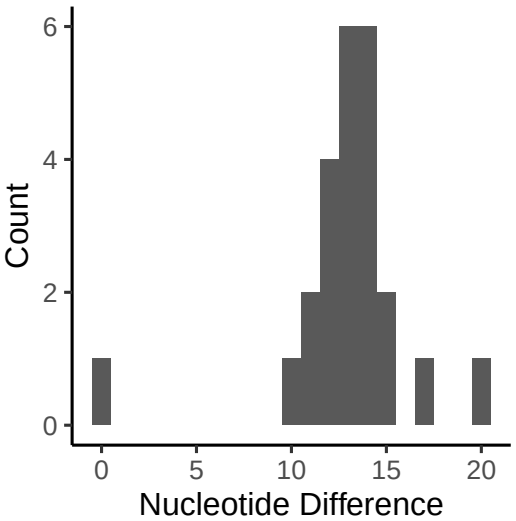
IGHV4−38−2*01

6 sequences assigned
No exact matches.



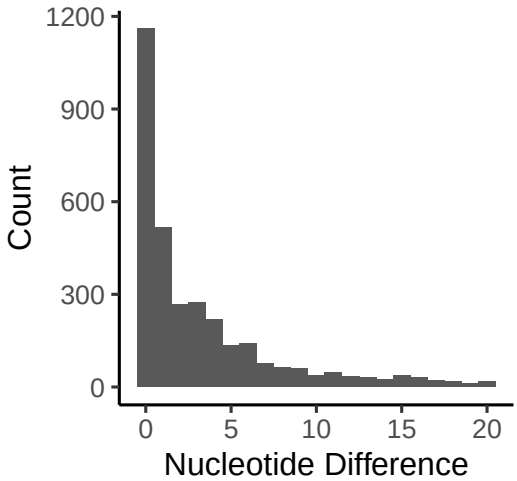
IGHV4−28*01_07

24 sequences assigned
1 (4.2%) exact matches, in which:
1 unique CDR3
1 unique J



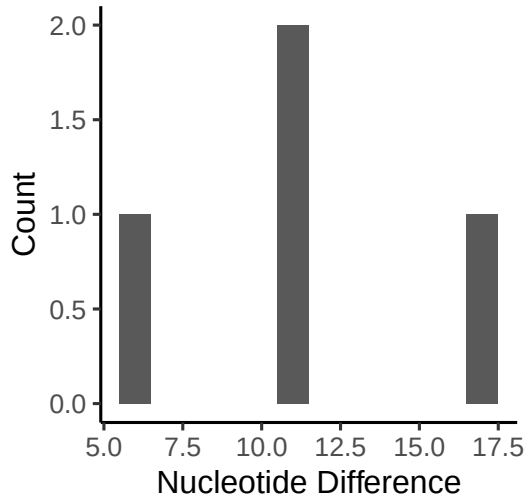
IGHV4−31*02

3588 sequences assigned
1160 (32.3%) exact matches, in which:
1114 unique CDR3
6 unique J



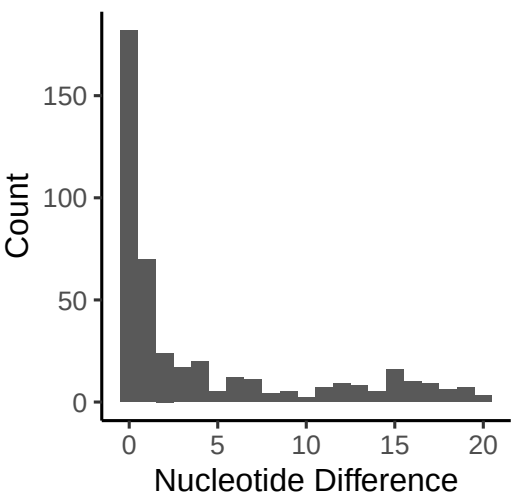
IGHV4−38−2*02

9 sequences assigned
No exact matches.



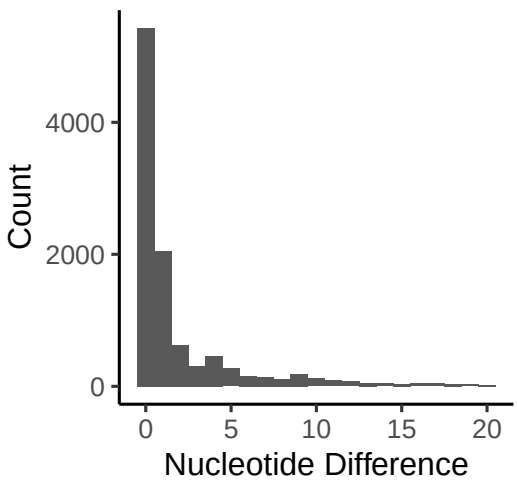
IGHV4−30−2*01

476 sequences assigned
182 (38.2%) exact matches, in which:
166 unique CDR3
6 unique J



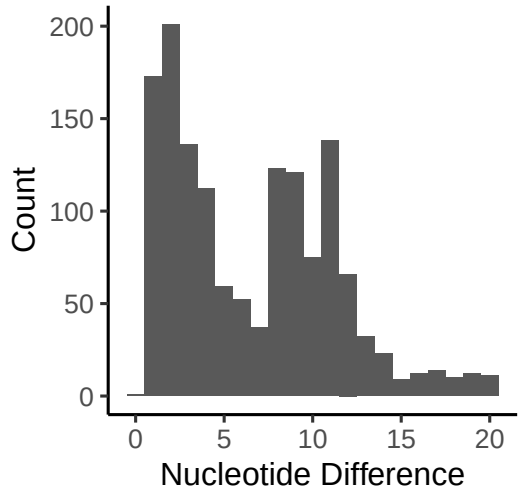
IGHV4−34*01_02

10489 sequences assigned
5429 (51.8%) exact matches, in which:
5038 unique CDR3
6 unique J



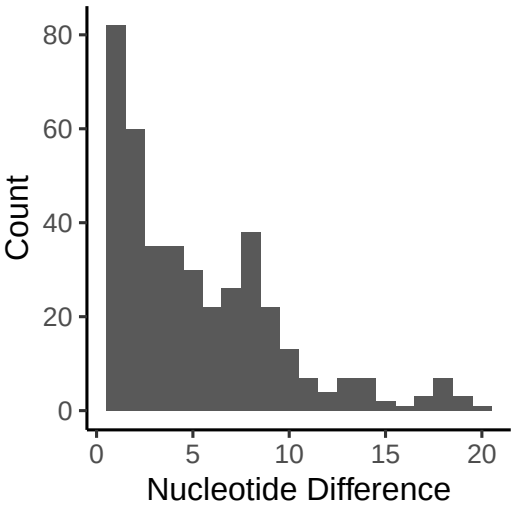
IGHV4−39*07

1476 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



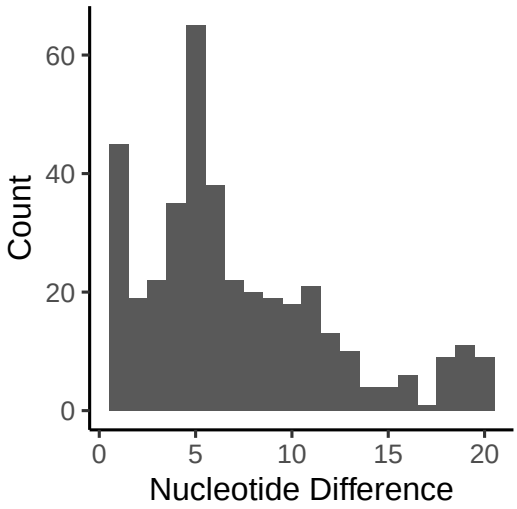
IGHV4−59*08

449 sequences assigned
No exact matches.



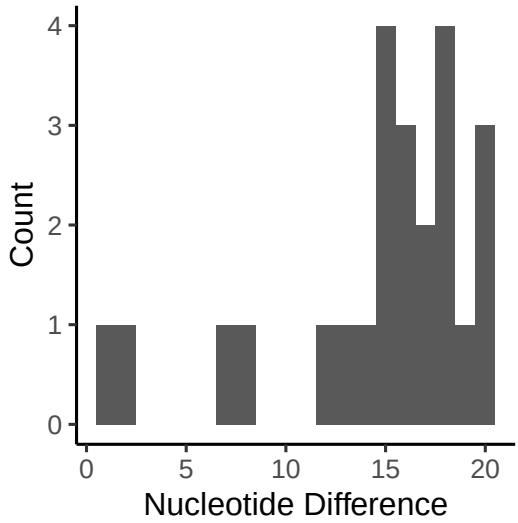
IGHV4−61*08

435 sequences assigned
No exact matches.



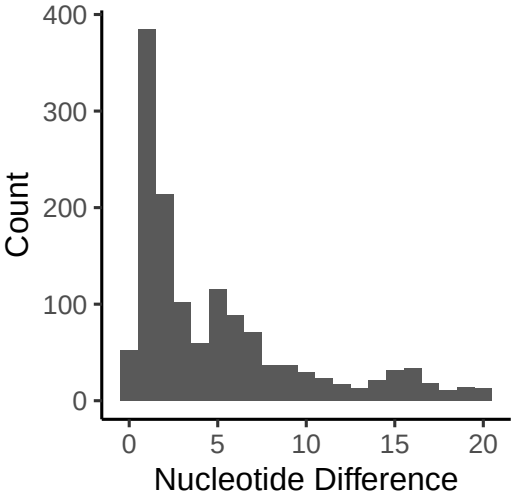
IGHV4/OR15−8*01

34 sequences assigned
No exact matches.



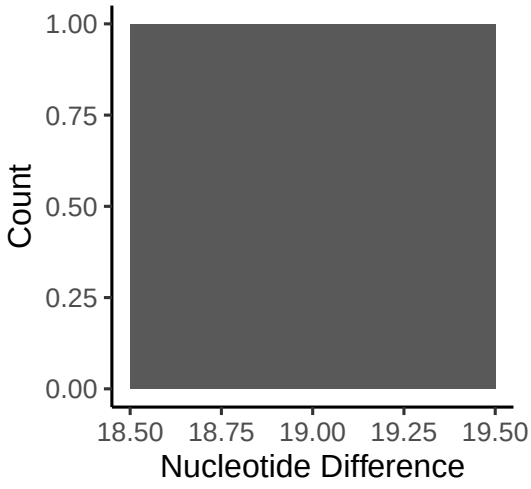
IGHV4−59*12

1584 sequences assigned
52 (3.3%) exact matches, in which:
52 unique CDR3
4 unique J



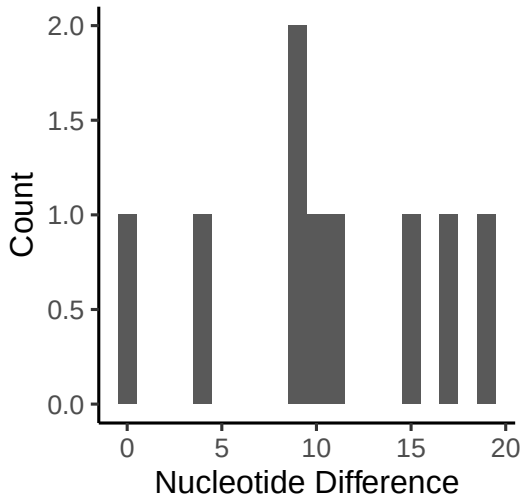
IGHV1/OR15−1*04

1 sequences assigned
No exact matches.



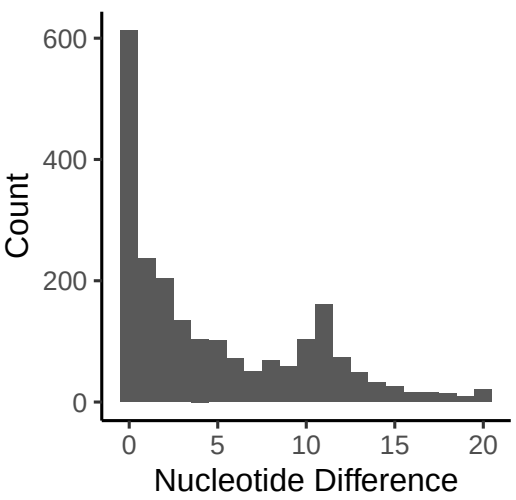
IGHV5−10−1*01_03

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



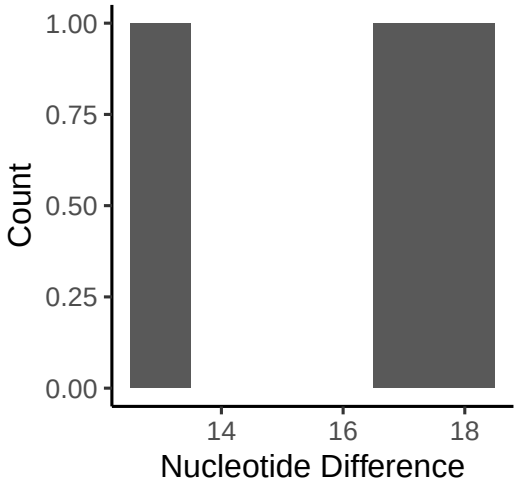
IGHV4−61*01

2303 sequences assigned
613 (26.6%) exact matches, in which:
594 unique CDR3
6 unique J



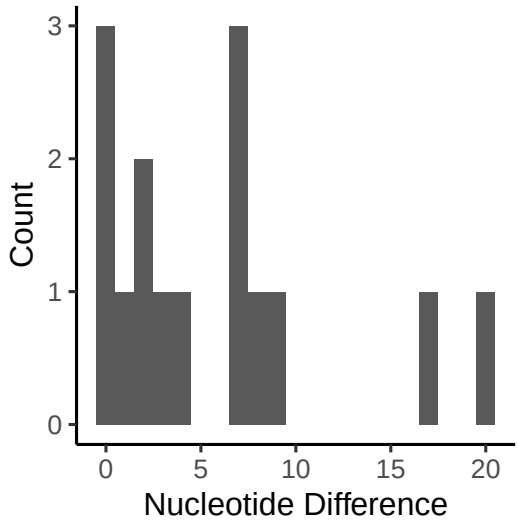
IGHV1/OR15−2*02_03

3 sequences assigned
No exact matches.



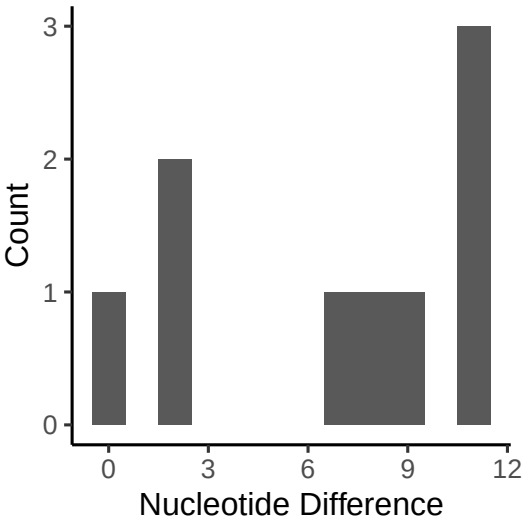
IGHV5−51*04

21 sequences assigned
3 (14.3%) exact matches, in which:
3 unique CDR3
2 unique J



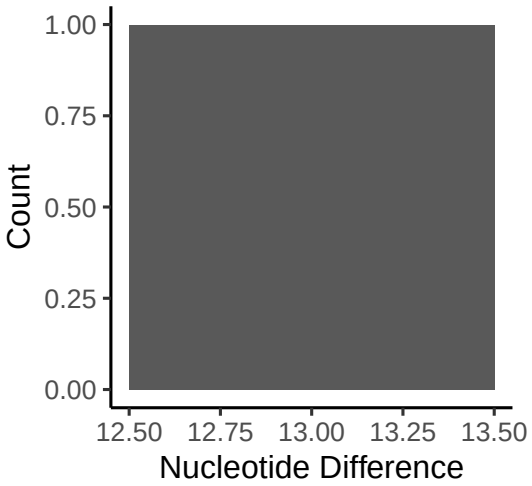
IGHV5−51*06

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



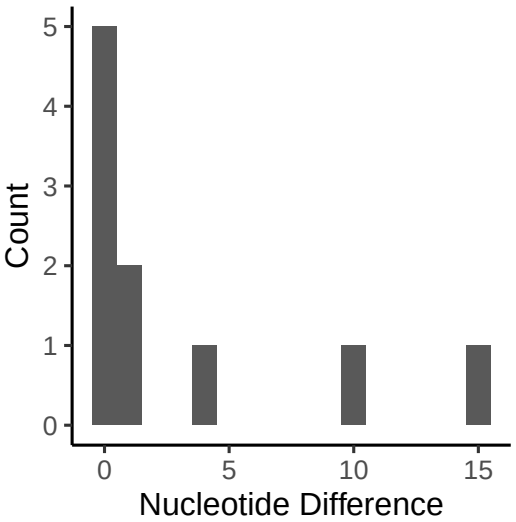
IGHV3/OR16−9*01

1 sequences assigned
No exact matches.



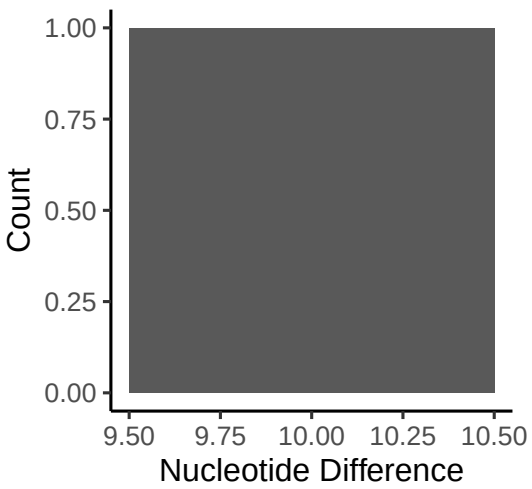
IGHV5−51*07

10 sequences assigned
5 (50%) exact matches, in which:
5 unique CDR3
2 unique J



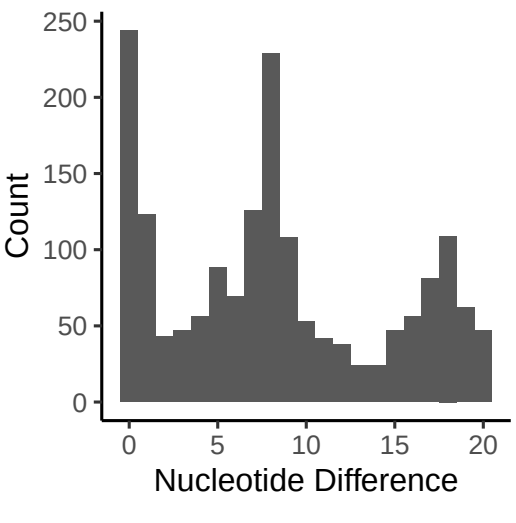
IGHV3/OR16−10*01_03

1 sequences assigned
No exact matches.



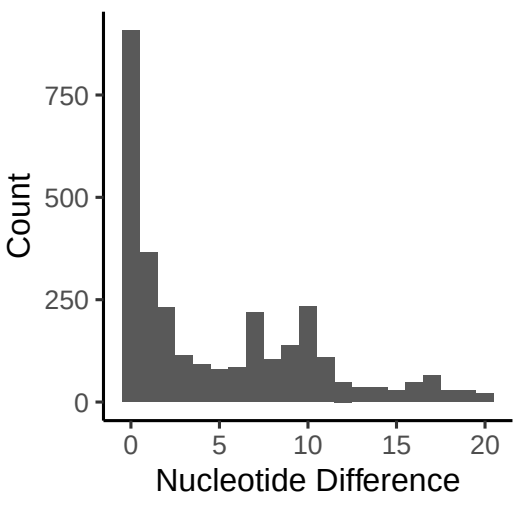
IGHV6−1*01_02

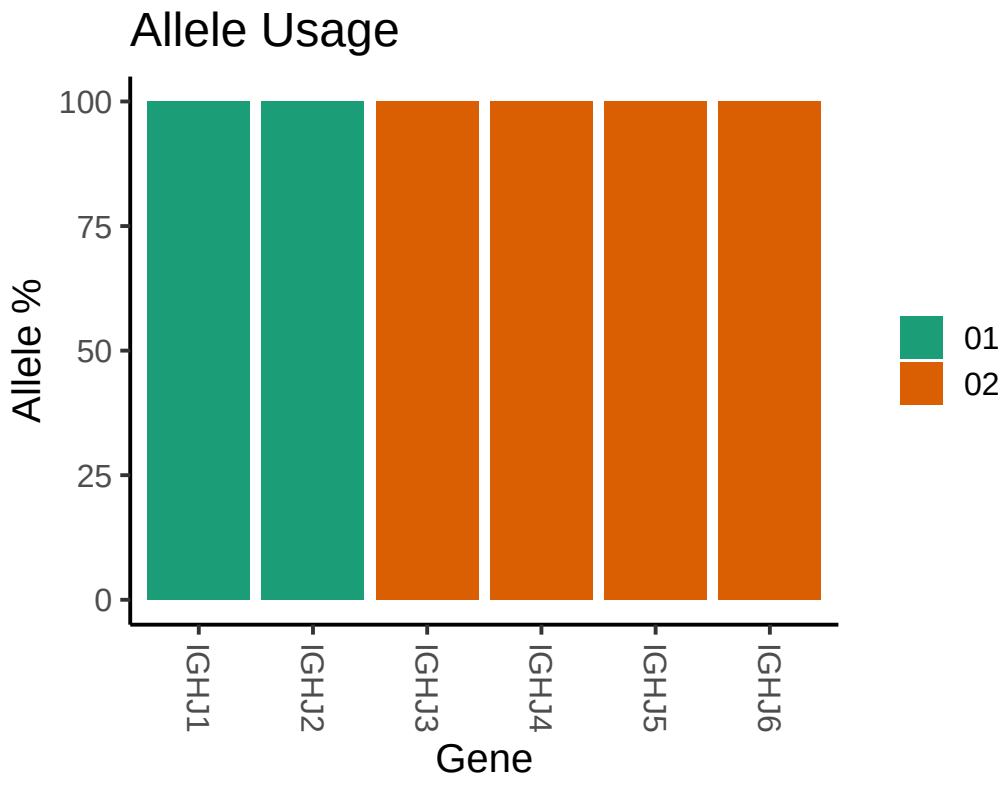
4439 sequences assigned
244 (5.5%) exact matches, in which:
233 unique CDR3
6 unique J



IGHV7−4−1*02

3086 sequences assigned
908 (29.4%) exact matches, in which:
858 unique CDR3
6 unique J




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.