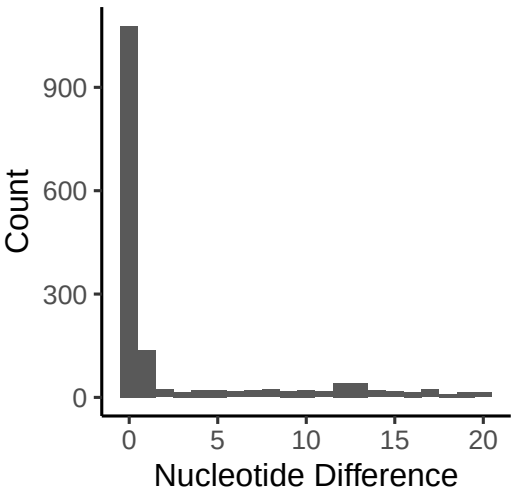
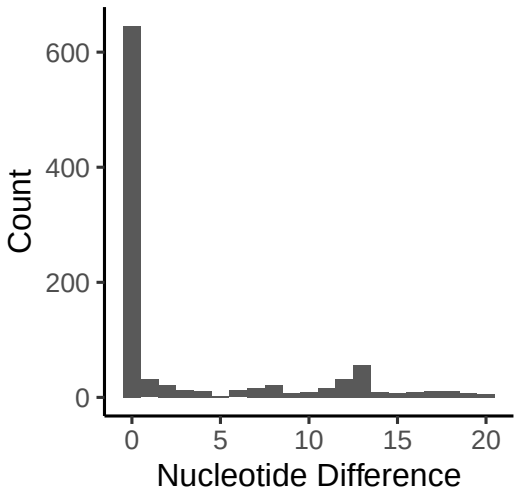
IGHV1−2*02

1993 sequences assigned
1079 (54.1%) exact matches, in which:
1057 unique CDR3
6 unique J



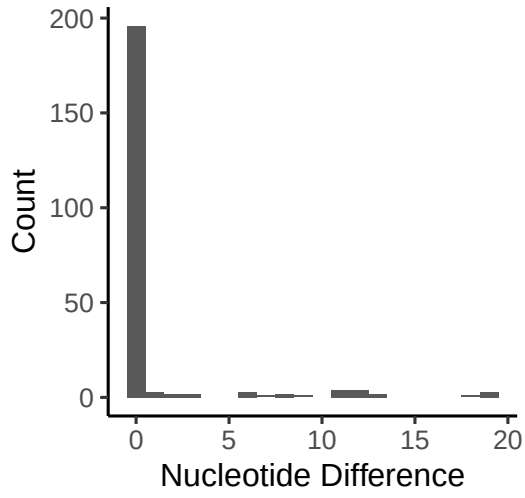
IGHV1−8*01

992 sequences assigned
646 (65.1%) exact matches, in which:
644 unique CDR3
6 unique J



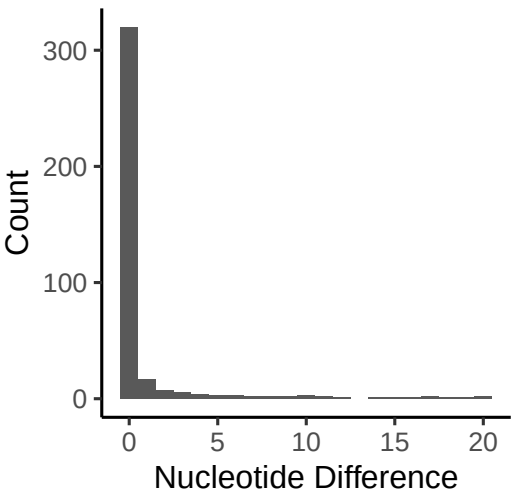
IGHV1−24*01

232 sequences assigned
196 (84.5%) exact matches, in which:
196 unique CDR3
6 unique J



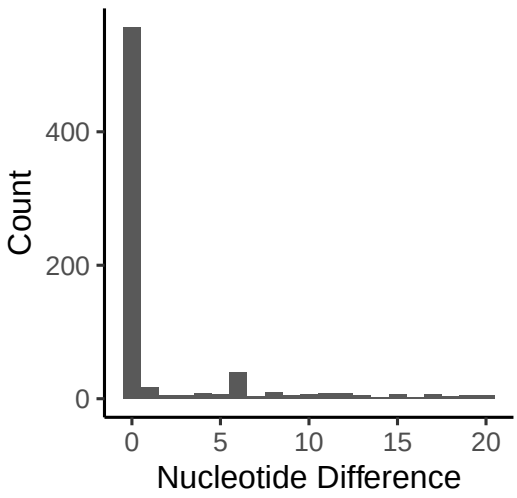
IGHV1−2*04

385 sequences assigned
320 (83.1%) exact matches, in which:
318 unique CDR3
5 unique J



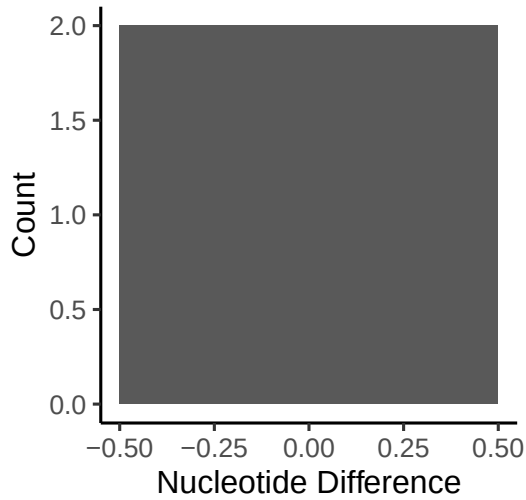
IGHV1−18*01

781 sequences assigned
557 (71.3%) exact matches, in which:
552 unique CDR3
6 unique J



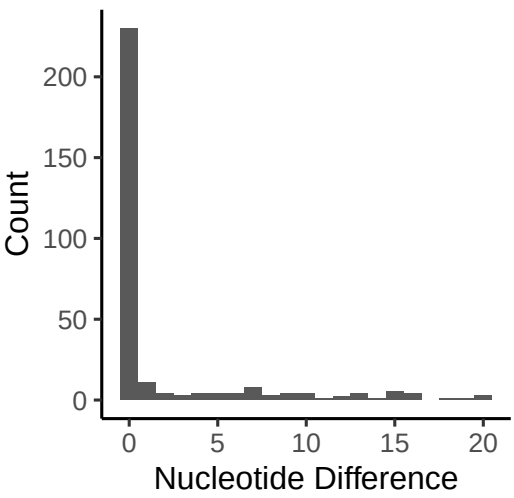
IGHV1−45*02

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



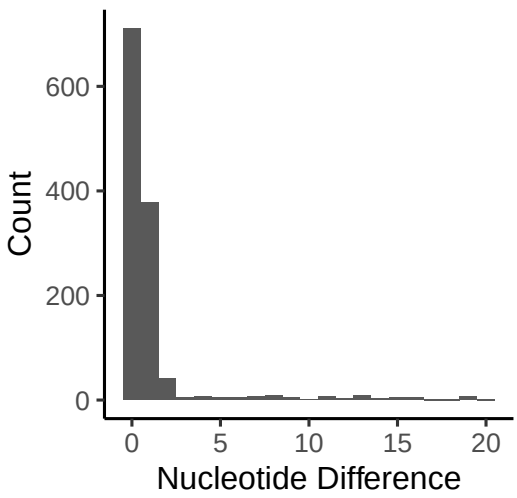
IGHV1−3*01_05

437 sequences assigned
230 (52.6%) exact matches, in which:
228 unique CDR3
6 unique J



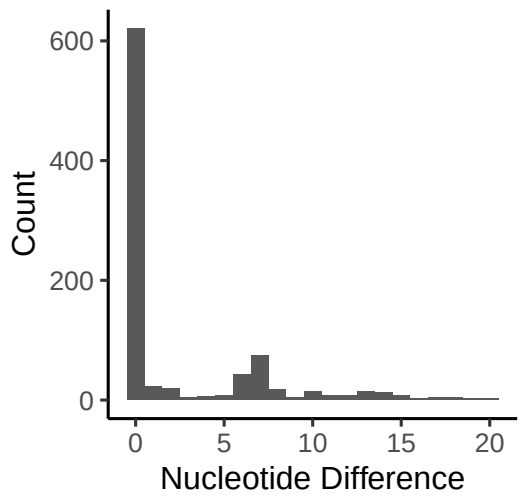
IGHV1−18*04

1238 sequences assigned
711 (57.4%) exact matches, in which:
651 unique CDR3
6 unique J



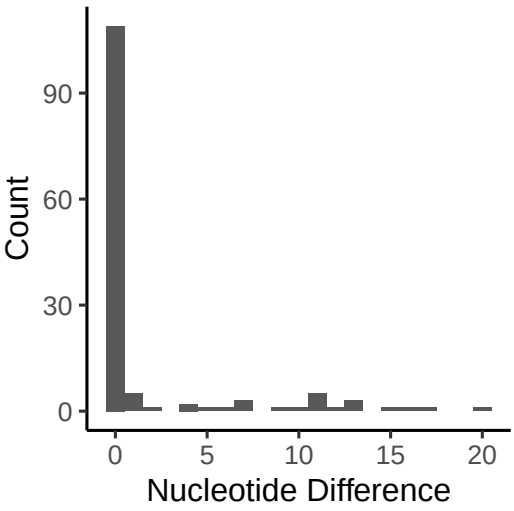
IGHV1−46*01

940 sequences assigned
621 (66.1%) exact matches, in which:
620 unique CDR3
6 unique J



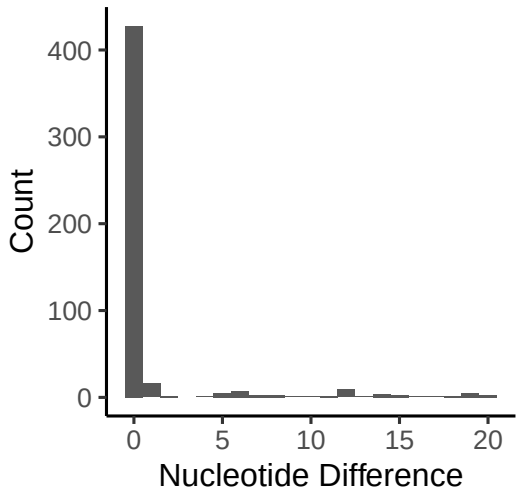
IGHV1−58*01_03

140 sequences assigned
109 (77.9%) exact matches, in which:
109 unique CDR3
5 unique J



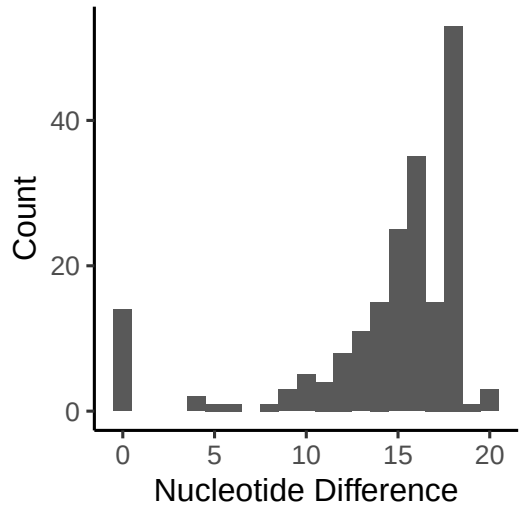
IGHV1−69*04_09

532 sequences assigned
428 (80.5%) exact matches, in which:
428 unique CDR3
6 unique J



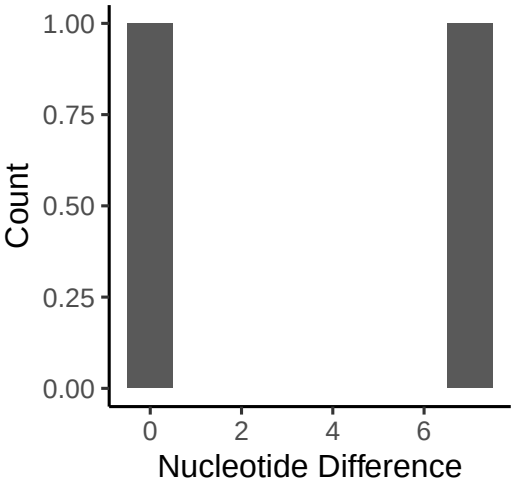
IGHV2−5*02

350 sequences assigned
14 (4%) exact matches, in which:
14 unique CDR3
5 unique J



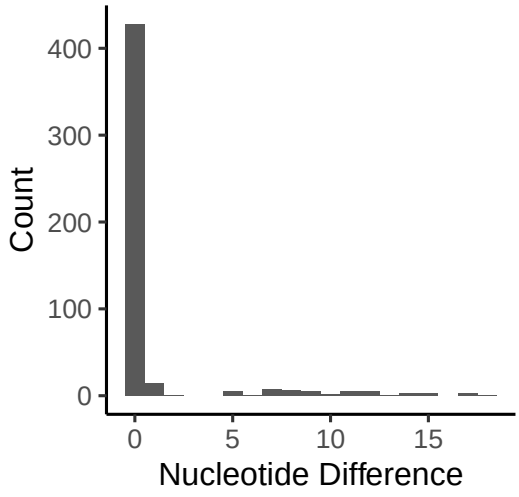
IGHV1−69−2*01

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



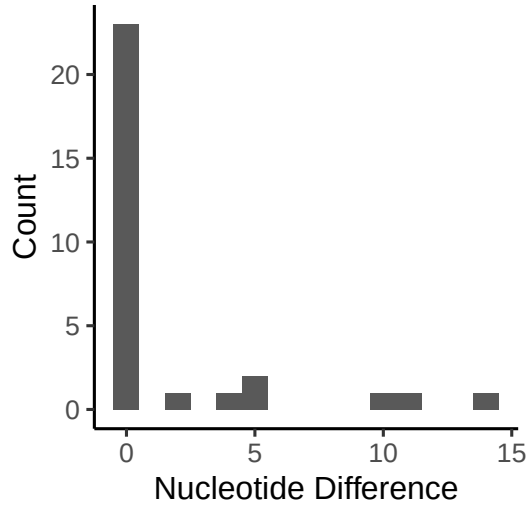
IGHV1−69*06_14

518 sequences assigned
428 (82.6%) exact matches, in which:
428 unique CDR3
6 unique J



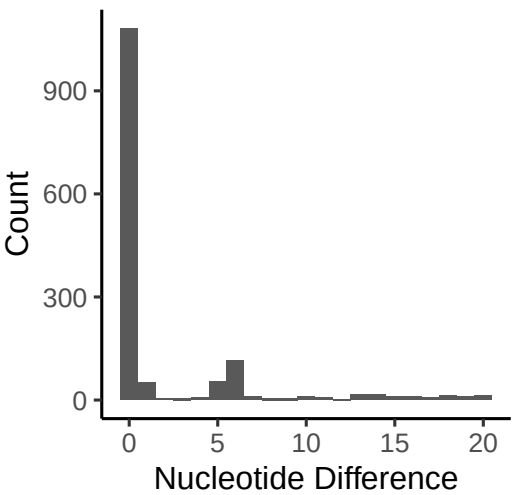
IGHV2−26*01

32 sequences assigned
23 (71.9%) exact matches, in which:
23 unique CDR3
4 unique J



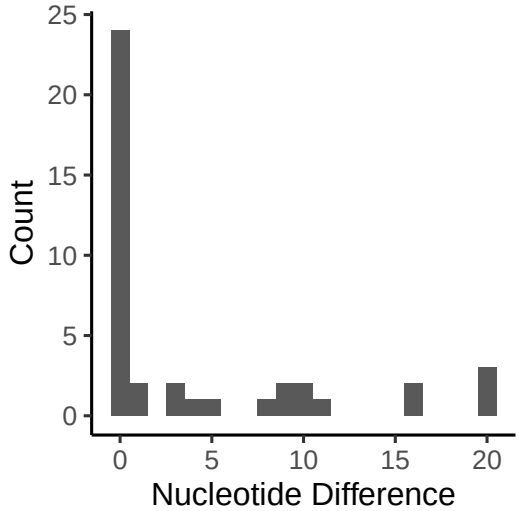
IGHV1−69*01_12_13

1521 sequences assigned
1082 (71.1%) exact matches, in which:
1078 unique CDR3
6 unique J



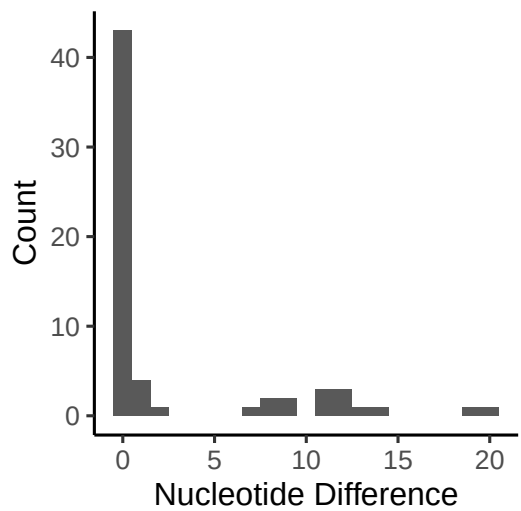
IGHV2−5*01

44 sequences assigned
24 (54.5%) exact matches, in which:
24 unique CDR3
5 unique J



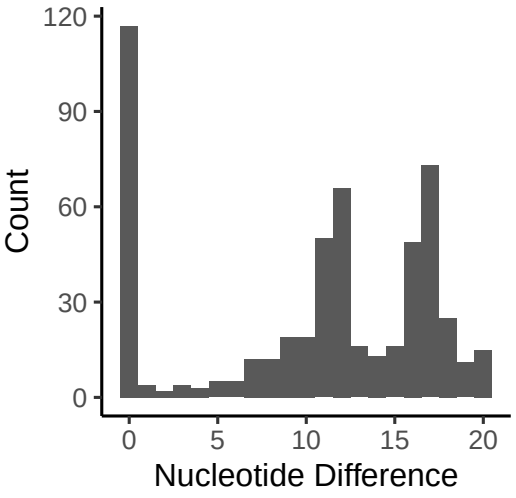
IGHV2−70*01

69 sequences assigned
43 (62.3%) exact matches, in which:
43 unique CDR3
6 unique J



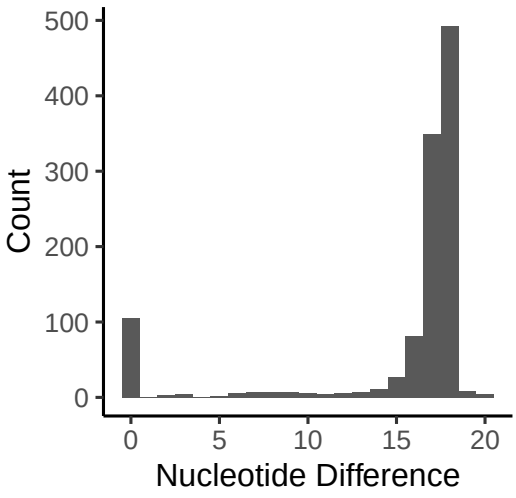
IGHV3−7*01

584 sequences assigned
117 (20%) exact matches, in which:
102 unique CDR3
5 unique J



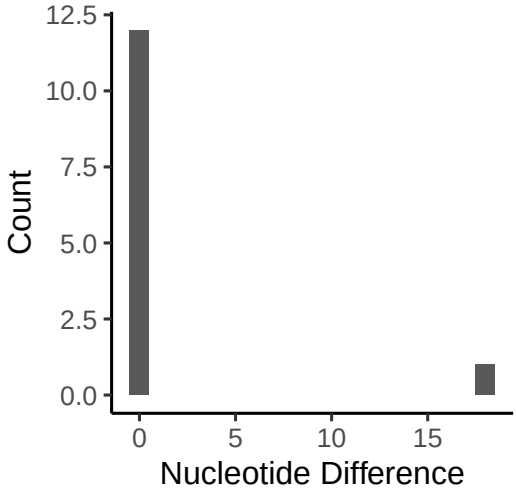
IGHV3−11*01

1233 sequences assigned
105 (8.5%) exact matches, in which:
88 unique CDR3
5 unique J



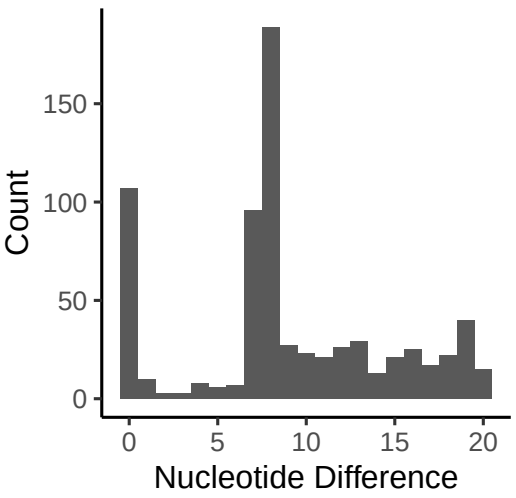
IGHV3−13*05

13 sequences assigned
12 (92.3%) exact matches, in which:
10 unique CDR3
4 unique J



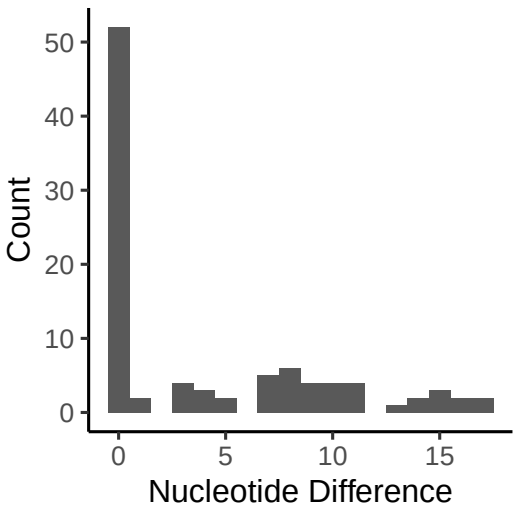
IGHV3−7*03

753 sequences assigned
107 (14.2%) exact matches, in which:
85 unique CDR3
6 unique J



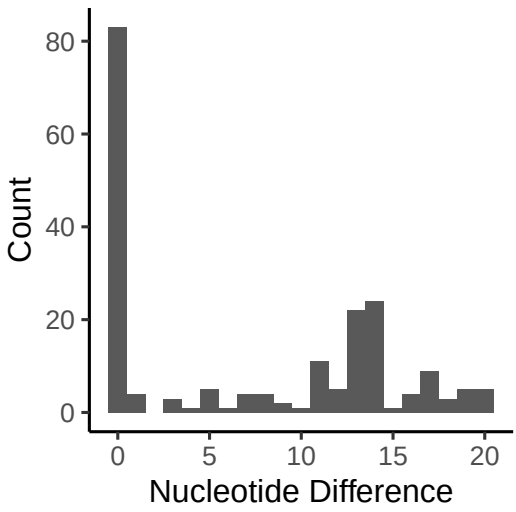
IGHV3−11*06

122 sequences assigned
52 (42.6%) exact matches, in which:
46 unique CDR3
5 unique J



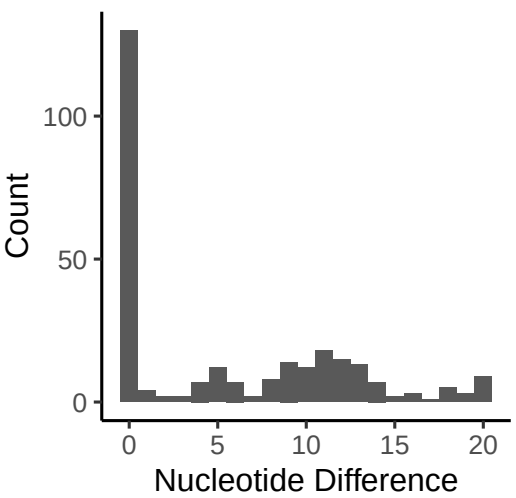
IGHV3−15*01_02

261 sequences assigned
83 (31.8%) exact matches, in which:
64 unique CDR3
4 unique J



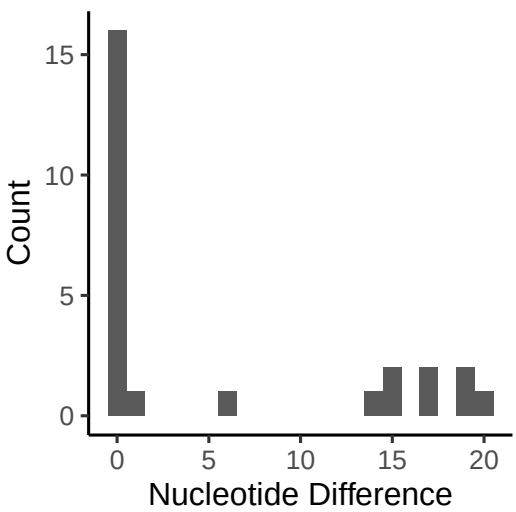
IGHV3−9*01

335 sequences assigned
130 (38.8%) exact matches, in which:
108 unique CDR3
6 unique J



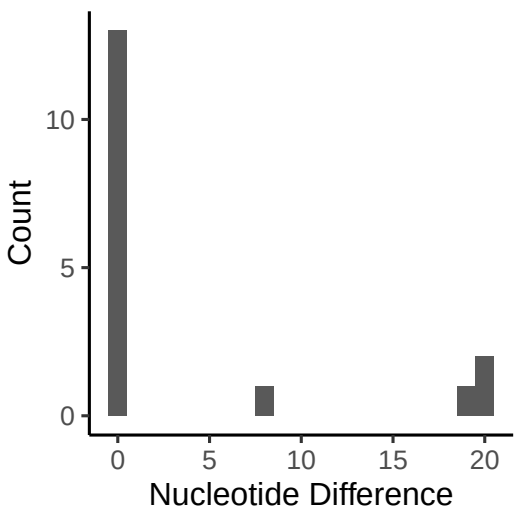
IGHV3−13*01

26 sequences assigned
16 (61.5%) exact matches, in which:
15 unique CDR3
5 unique J



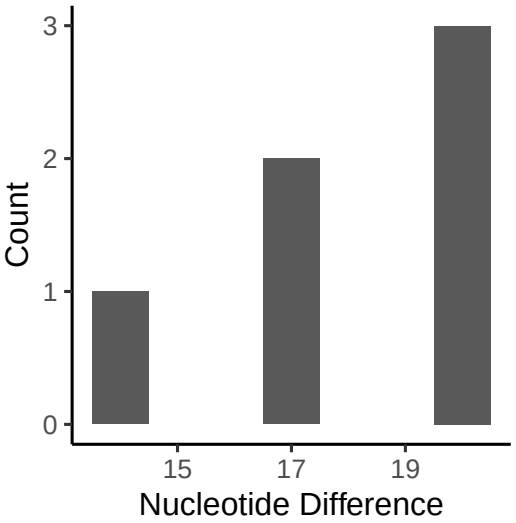
IGHV3−20*01_02

19 sequences assigned
13 (68.4%) exact matches, in which:
11 unique CDR3
4 unique J



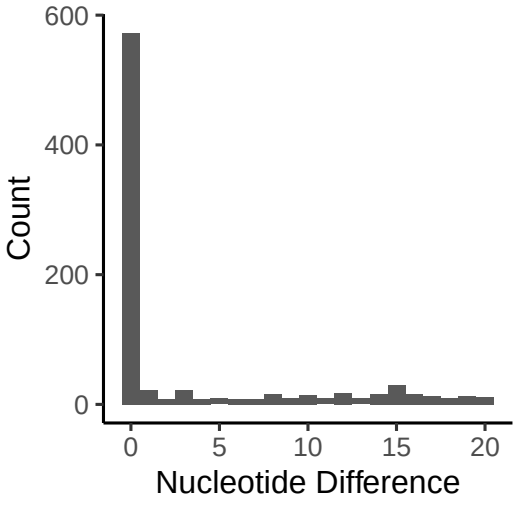
IGHV3−20*03_04

29 sequences assigned
No exact matches.



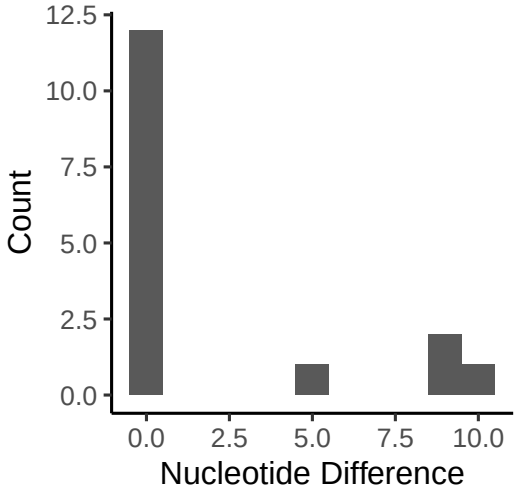
IGHV3−30−3*01

955 sequences assigned
573 (60%) exact matches, in which:
493 unique CDR3
6 unique J



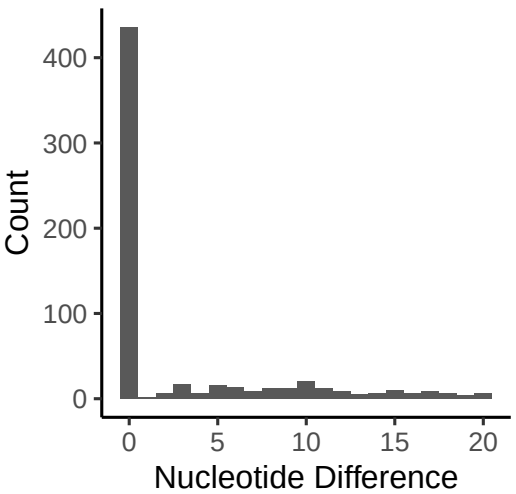
IGHV3−43*01

17 sequences assigned
12 (70.6%) exact matches, in which:
10 unique CDR3
4 unique J



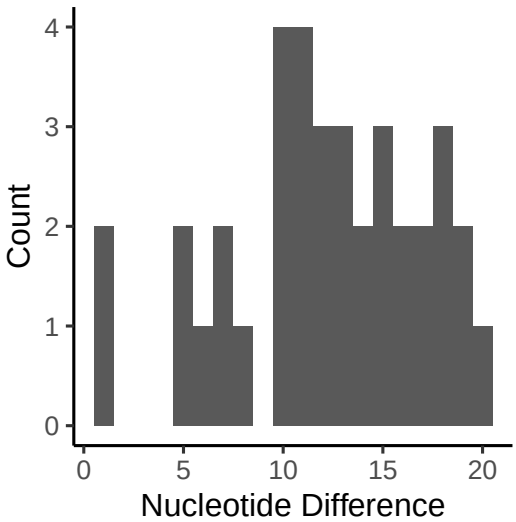
IGHV3−21*01_02

694 sequences assigned
436 (62.8%) exact matches, in which:
363 unique CDR3
6 unique J



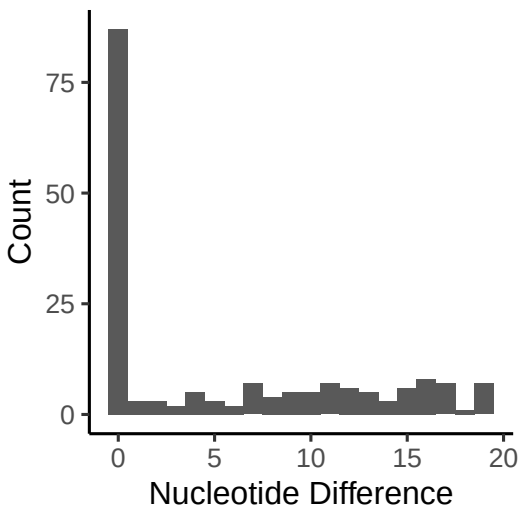
IGHV3−30*04

62 sequences assigned
No exact matches.



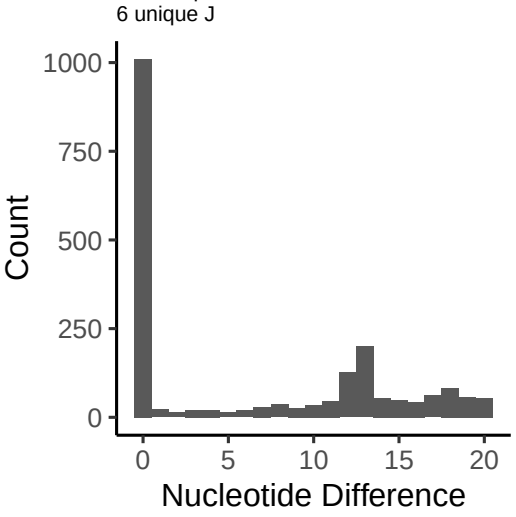
IGHV3−48*02

240 sequences assigned
87 (36.2%) exact matches, in which:
67 unique CDR3
6 unique J



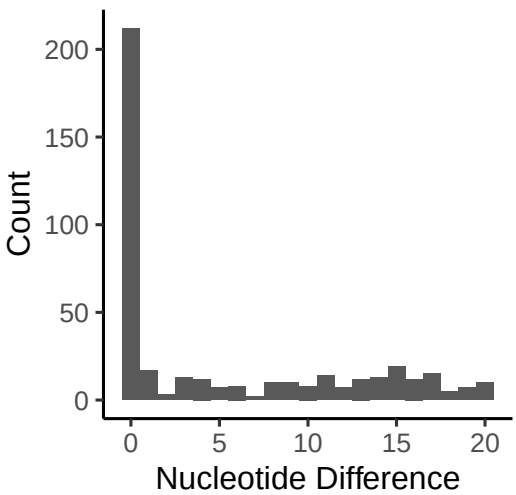
IGHV3−23*01_04

2455 sequences assigned
1010 (41.1%) exact matches, in which:
867 unique CDR3
6 unique J



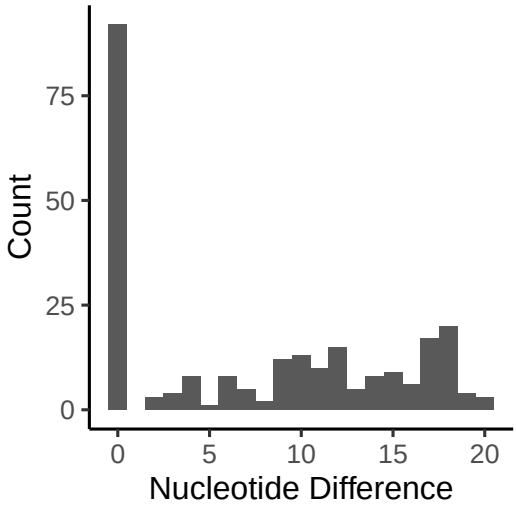
IGHV3−33*01

469 sequences assigned
212 (45.2%) exact matches, in which:
164 unique CDR3
6 unique J



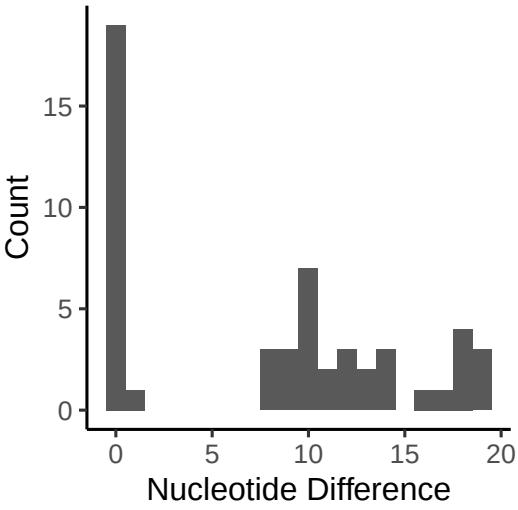
IGHV3−48*03

269 sequences assigned
92 (34.2%) exact matches, in which:
69 unique CDR3
5 unique J



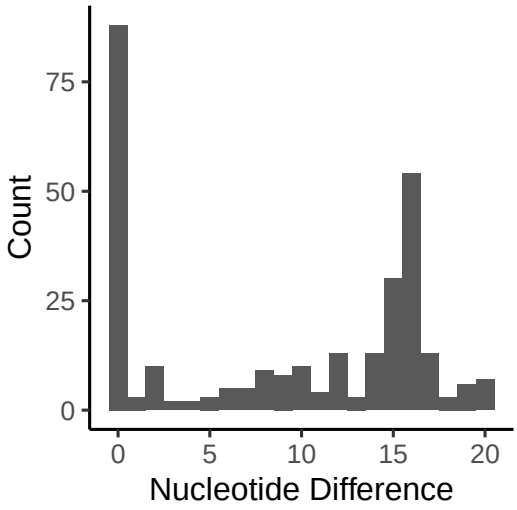
IGHV3−49*04

63 sequences assigned
19 (30.2%) exact matches, in which:
16 unique CDR3
3 unique J



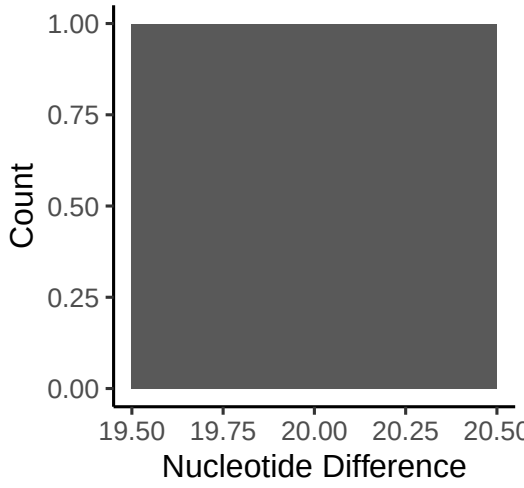
IGHV3−53*01_02

444 sequences assigned
88 (19.8%) exact matches, in which:
70 unique CDR3
5 unique J



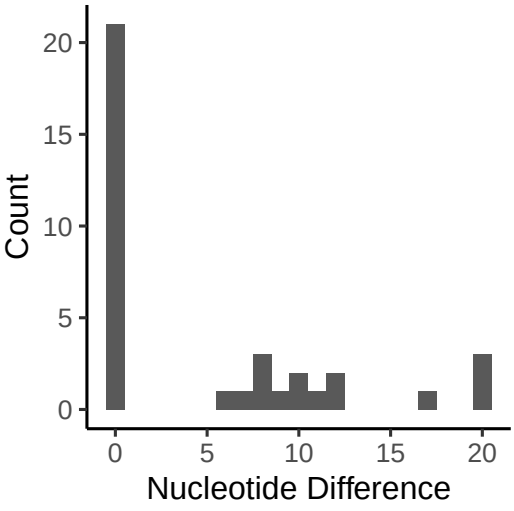
IGHV3−66*04

1 sequences assigned
No exact matches.



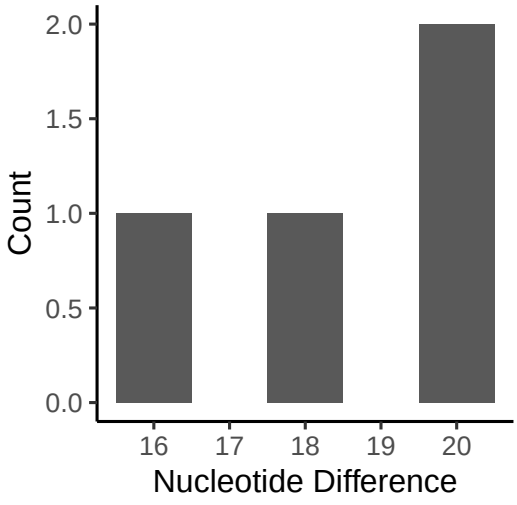
IGHV3−49*03_05

39 sequences assigned
21 (53.8%) exact matches, in which:
18 unique CDR3
4 unique J



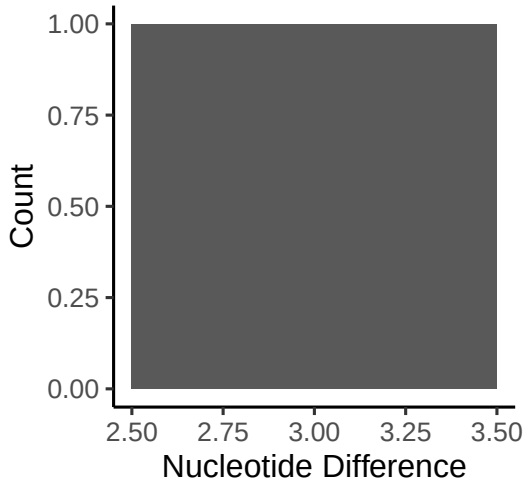
IGHV3−64*04

4 sequences assigned
No exact matches.



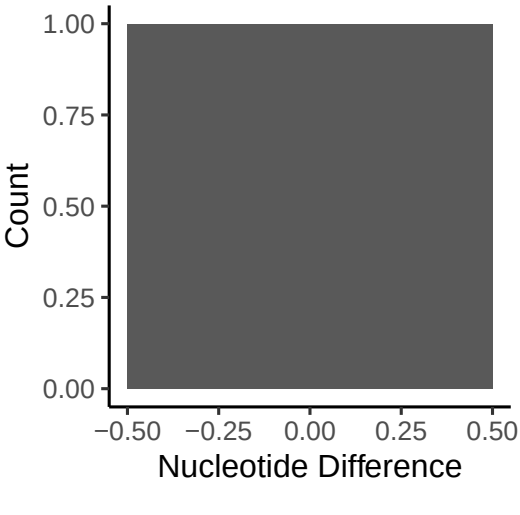
IGHV3−69−1*01

2 sequences assigned
No exact matches.



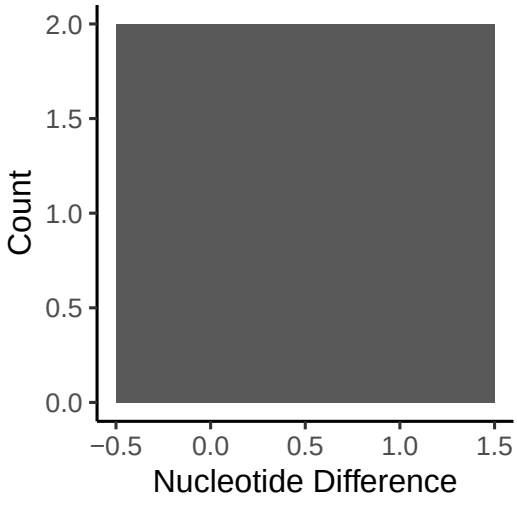
IGHV3−52*01_03

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



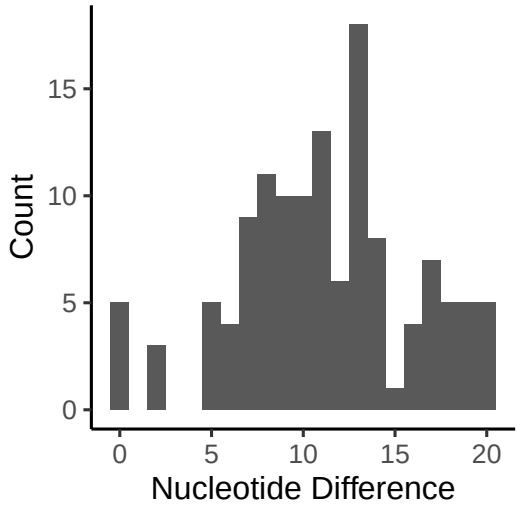
IGHV3−64*02_07

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



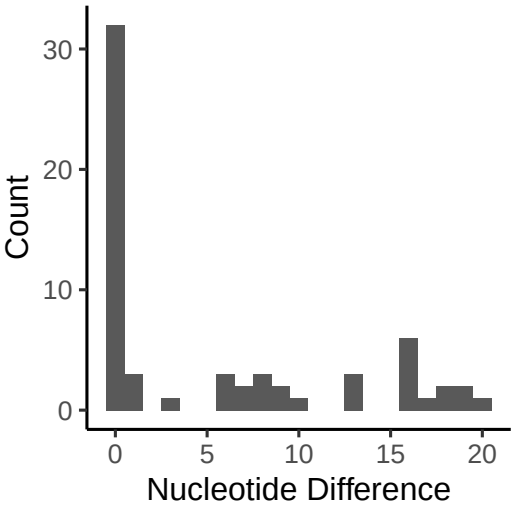
IGHV3−72*01

137 sequences assigned
5 (3.6%) exact matches, in which:
5 unique CDR3
3 unique J



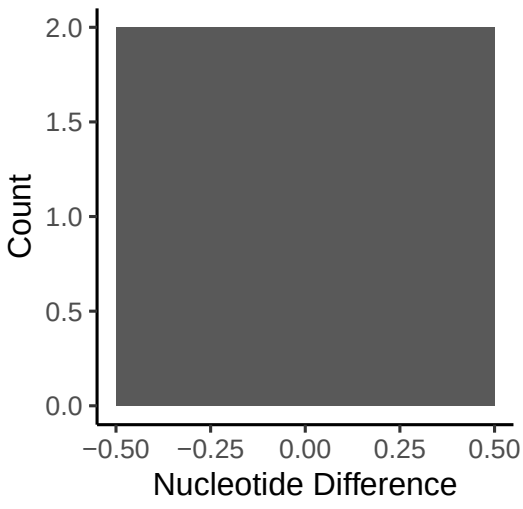
IGHV3−73*01_02

66 sequences assigned
32 (48.5%) exact matches, in which:
28 unique CDR3
5 unique J



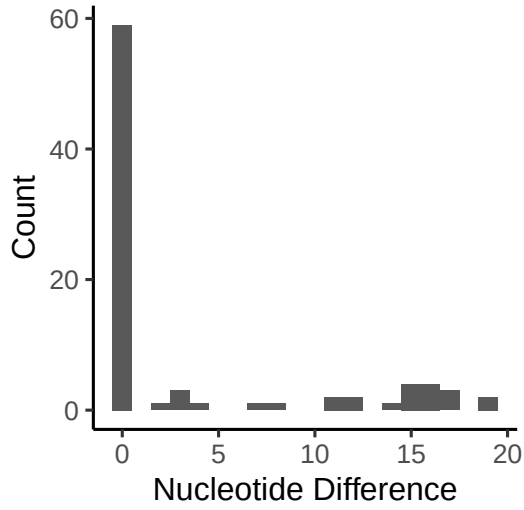
IGHV3−43D*04

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



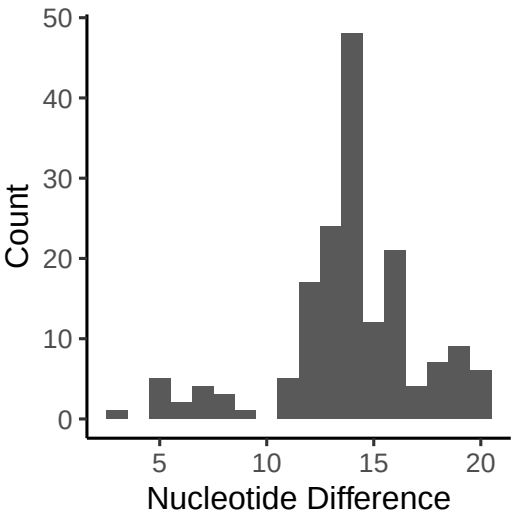
IGHV4−4*02_03

132 sequences assigned
59 (44.7%) exact matches, in which:
59 unique CDR3
5 unique J



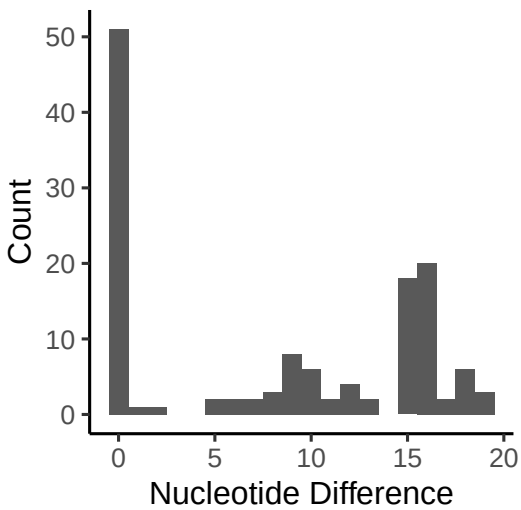
IGHV3−74*03

209 sequences assigned
No exact matches.



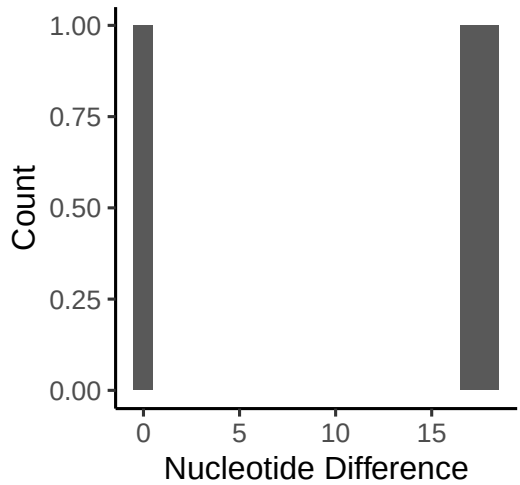
IGHV3−64D*06

152 sequences assigned
51 (33.6%) exact matches, in which:
44 unique CDR3
5 unique J



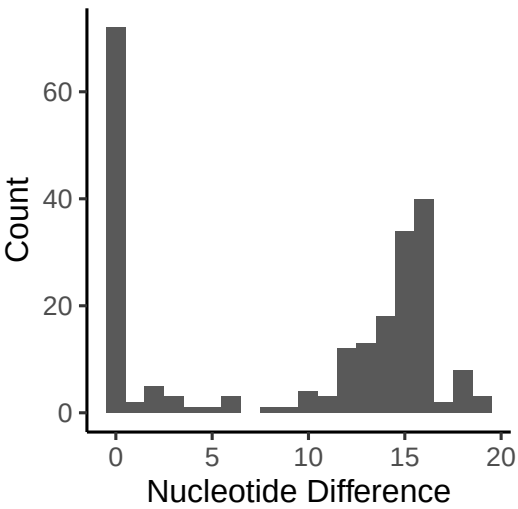
IGHV4−28*01_07

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



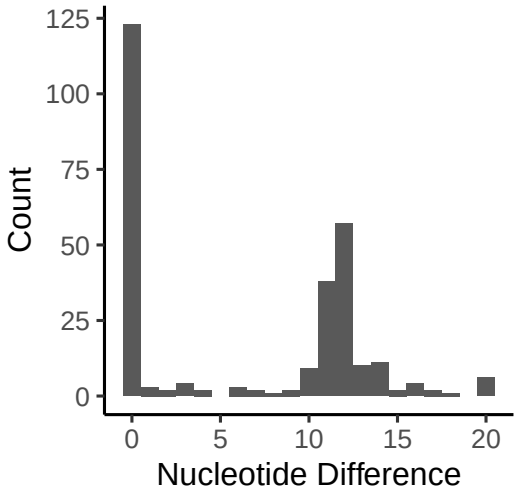
IGHV3−74*01_02

257 sequences assigned
72 (28%) exact matches, in which:
65 unique CDR3
5 unique J



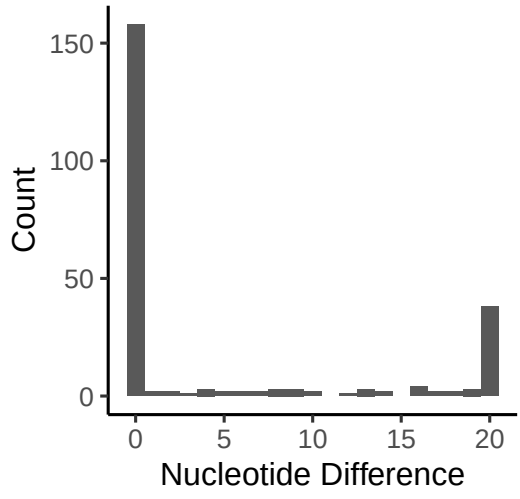
IGHV4−4*07

307 sequences assigned
123 (40.1%) exact matches, in which:
122 unique CDR3
5 unique J



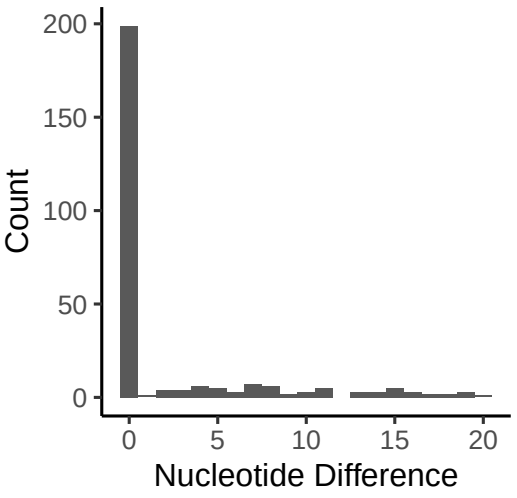
IGHV4−30−2*01

330 sequences assigned
158 (47.9%) exact matches, in which:
155 unique CDR3
6 unique J



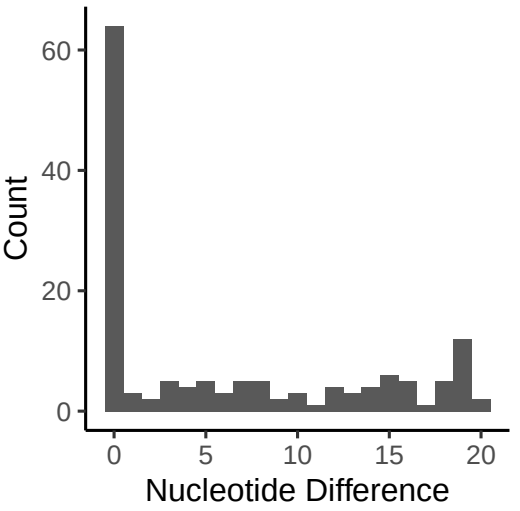
IGHV4−30−4*01

300 sequences assigned
199 (66.3%) exact matches, in which:
196 unique CDR3
6 unique J



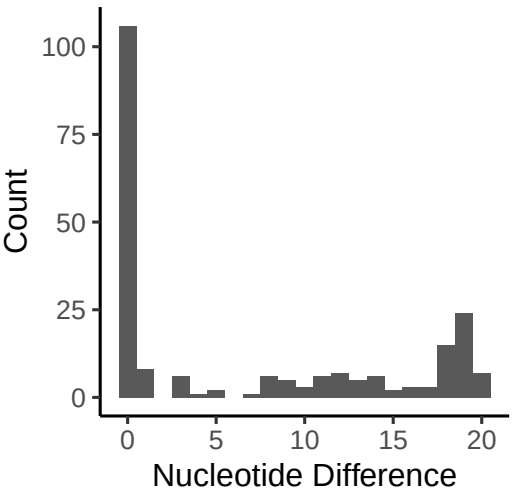
IGHV4−38−2*02_A70G

151 sequences assigned
64 (42.4%) exact matches, in which:
64 unique CDR3
6 unique J



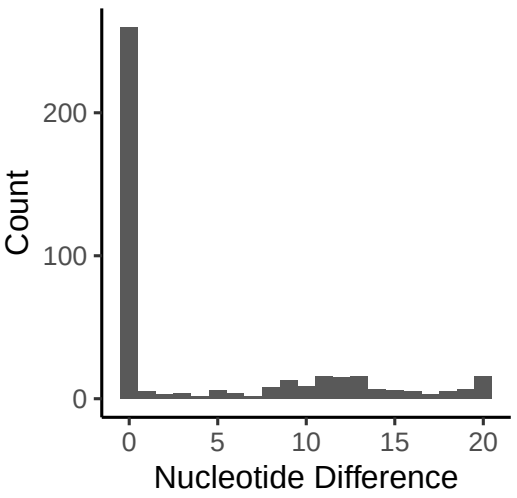
IGHV4−61*01

254 sequences assigned
106 (41.7%) exact matches, in which:
105 unique CDR3
6 unique J



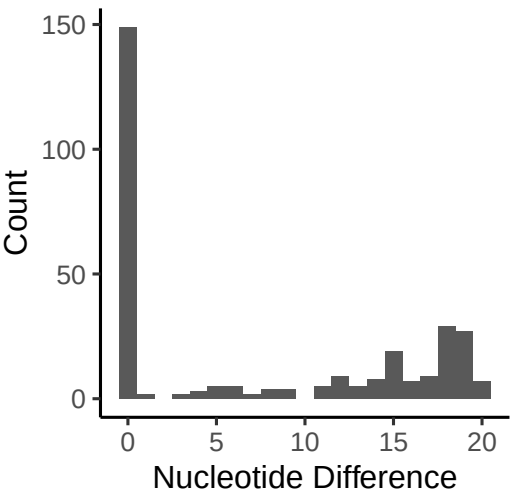
IGHV4−31*02

488 sequences assigned
260 (53.3%) exact matches, in which:
258 unique CDR3
6 unique J



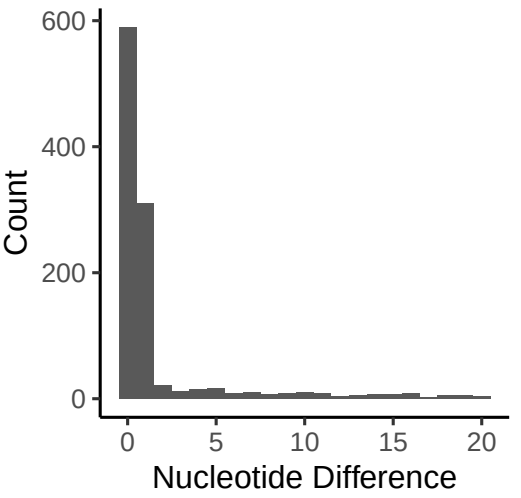
IGHV4−39*02_C258G

385 sequences assigned
149 (38.7%) exact matches, in which:
149 unique CDR3
6 unique J



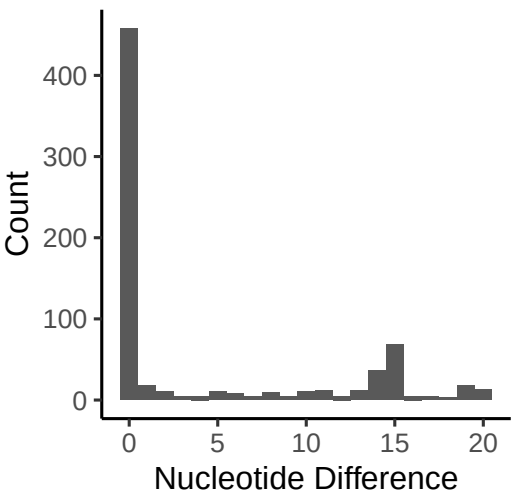
IGHV5−10−1*01_03

1090 sequences assigned
590 (54.1%) exact matches, in which:
523 unique CDR3
6 unique J



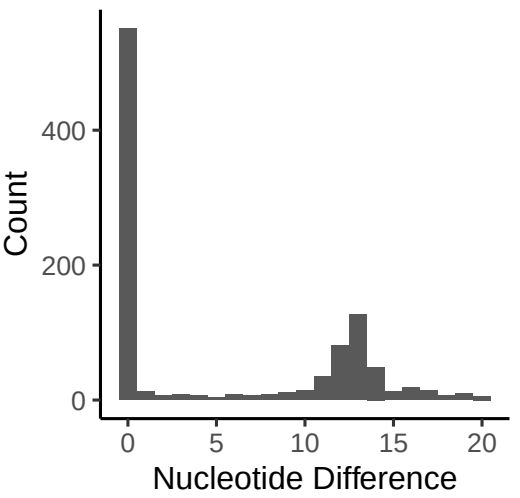
IGHV4−34*01_02

778 sequences assigned
458 (58.9%) exact matches, in which:
457 unique CDR3
6 unique J



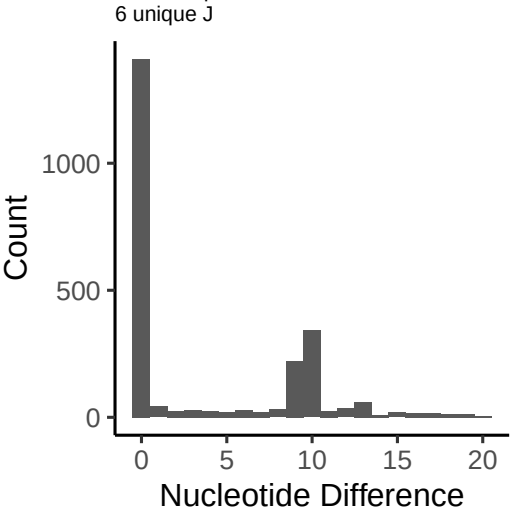
IGHV4−59*02_G88A

1080 sequences assigned
551 (51%) exact matches, in which:
549 unique CDR3
6 unique J



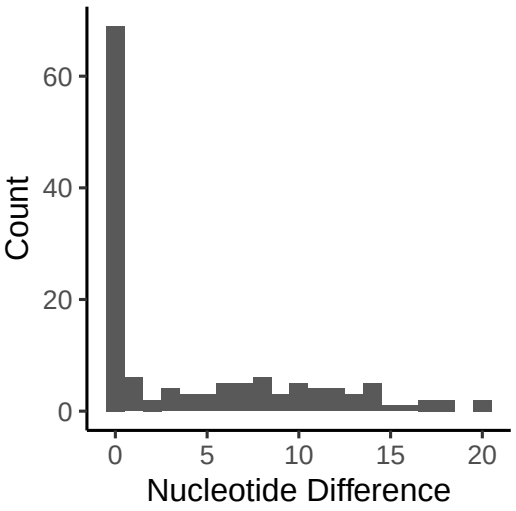
IGHV5−51*07_A128G

2525 sequences assigned
1410 (55.8%) exact matches, in which:
1394 unique CDR3
6 unique J



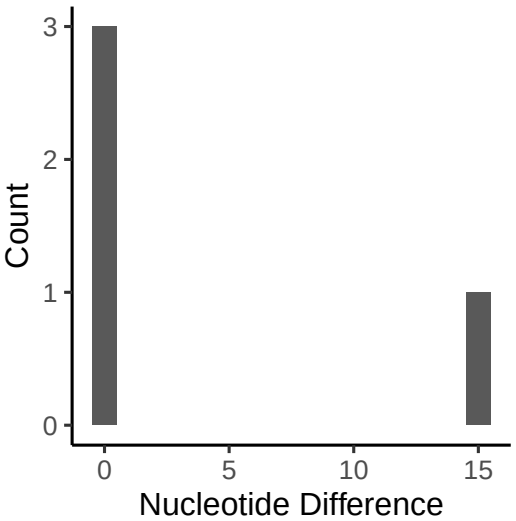
IGHV6−1*01_02

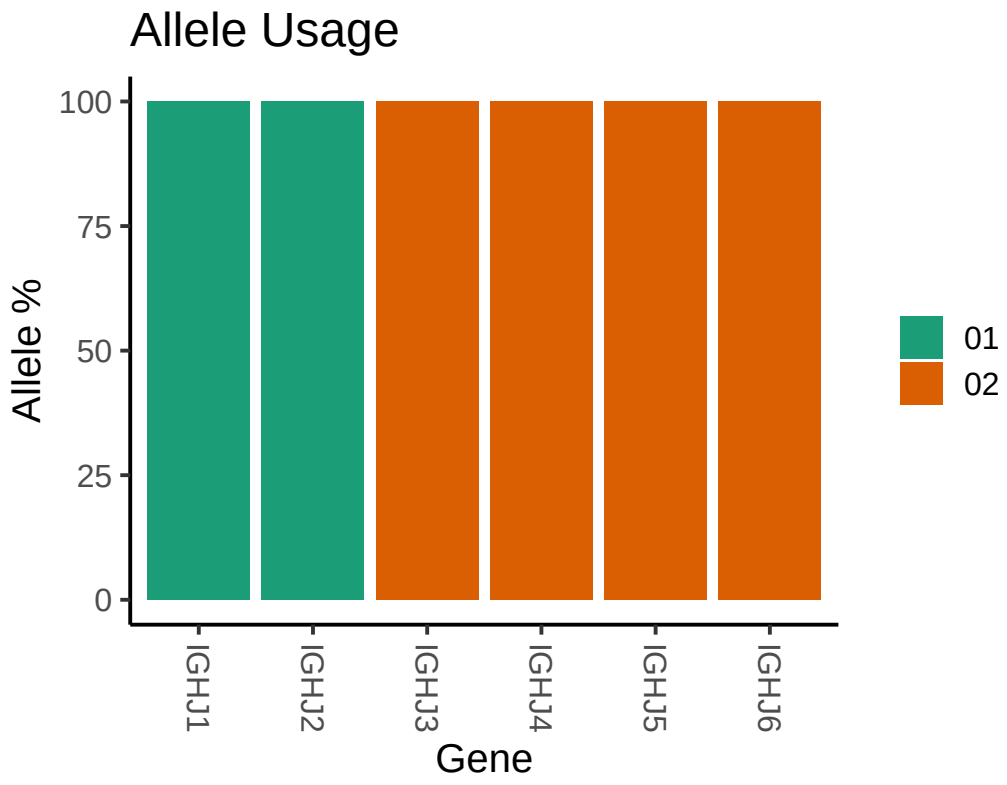
172 sequences assigned
69 (40.1%) exact matches, in which:
69 unique CDR3
6 unique J



IGHV7−4−1*01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
1 unique J




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

Warning − no inferred sequences found.