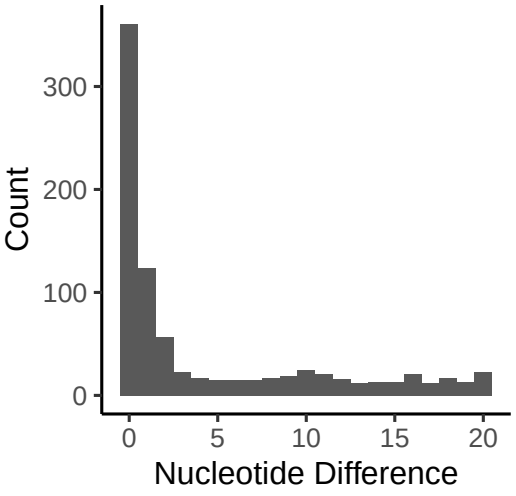
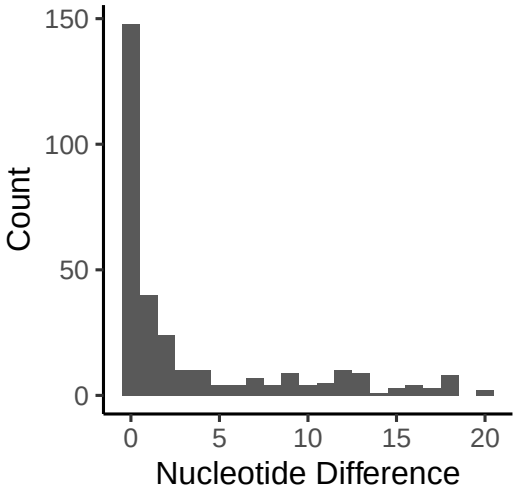
IGHV1−2*02

1108 sequences assigned
361 (32.6%) exact matches, in which:
358 unique CDR3
6 unique J



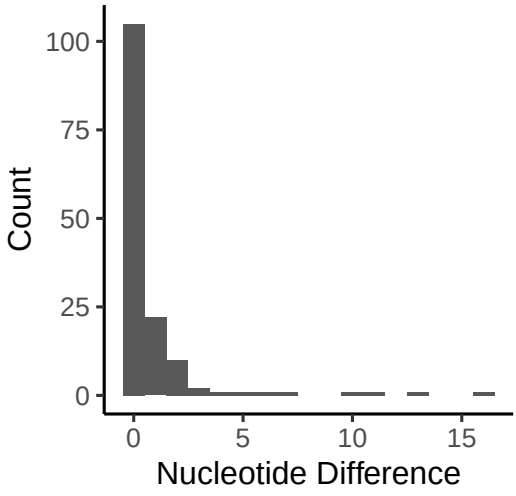
IGHV1−8*01

328 sequences assigned
148 (45.1%) exact matches, in which:
145 unique CDR3
7 unique J



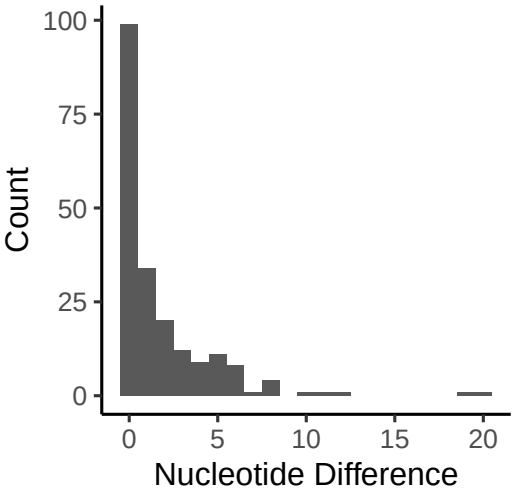
IGHV1−24*01

158 sequences assigned
105 (66.5%) exact matches, in which:
105 unique CDR3
7 unique J



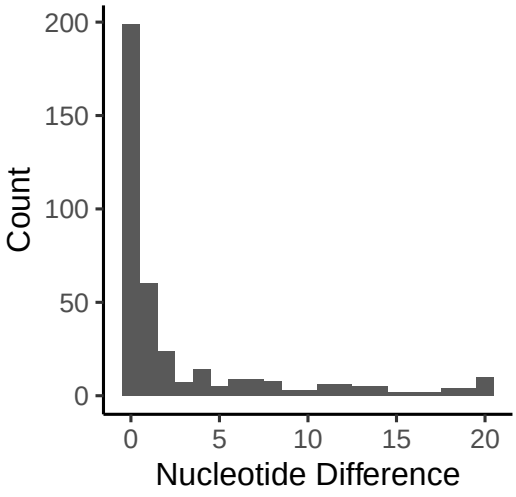
IGHV1−2*04

226 sequences assigned
99 (43.8%) exact matches, in which:
99 unique CDR3
6 unique J



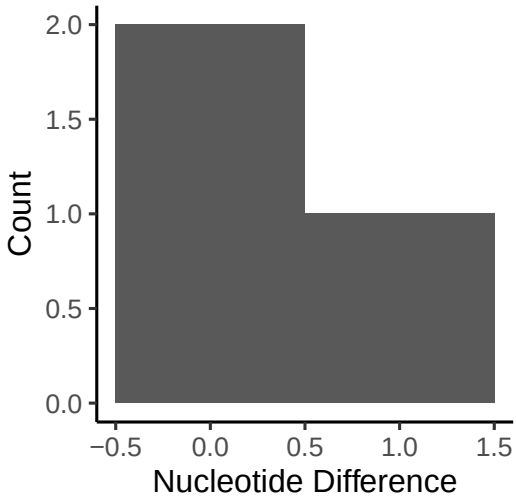
IGHV1−18*01

467 sequences assigned
199 (42.6%) exact matches, in which:
199 unique CDR3
6 unique J



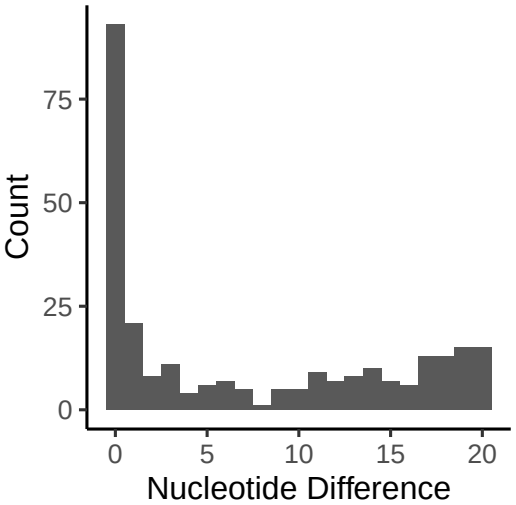
IGHV1−45*02

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



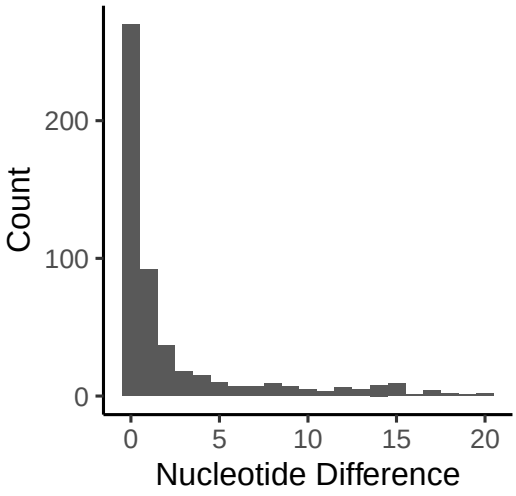
IGHV1−3*01

418 sequences assigned
93 (22.2%) exact matches, in which:
92 unique CDR3
7 unique J



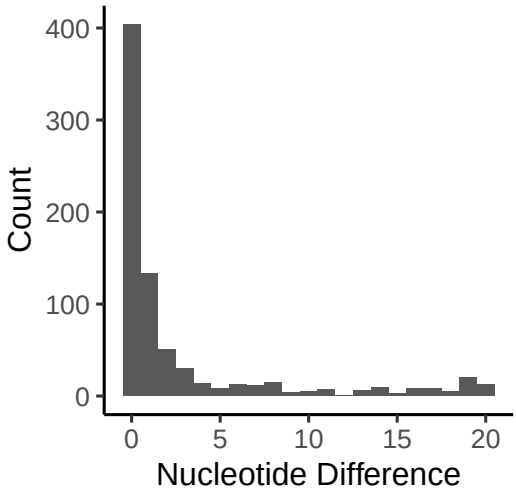
IGHV1−18*04

584 sequences assigned
270 (46.2%) exact matches, in which:
268 unique CDR3
6 unique J



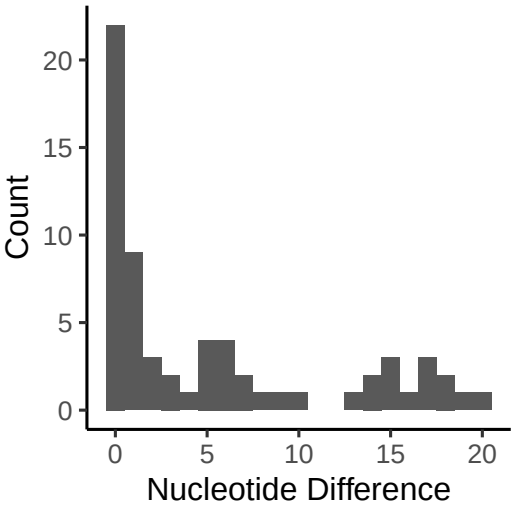
IGHV1−46*01

1124 sequences assigned
404 (35.9%) exact matches, in which:
396 unique CDR3
7 unique J



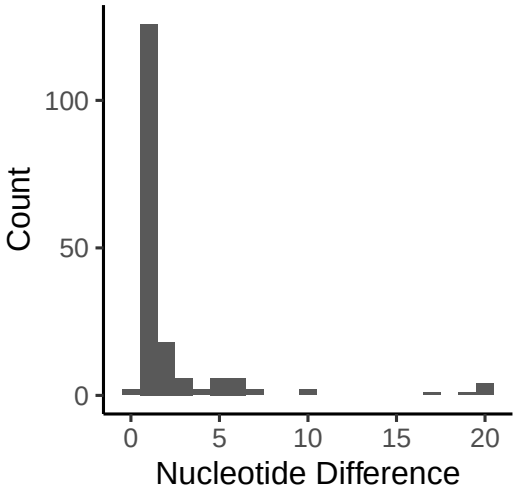
IGHV1−58*01

76 sequences assigned
22 (28.9%) exact matches, in which:
21 unique CDR3
4 unique J



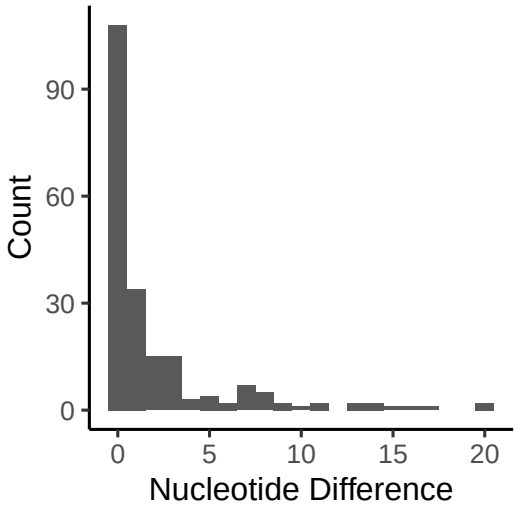
IGHV1−69*08

246 sequences assigned
2 (0.8%) exact matches, in which:
2 unique CDR3
1 unique J



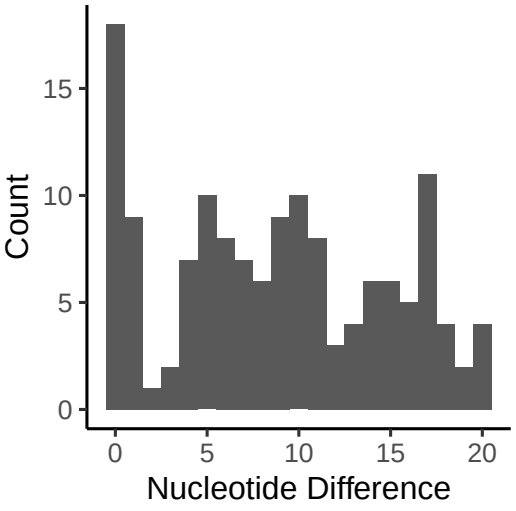
IGHV2−26*01

218 sequences assigned
108 (49.5%) exact matches, in which:
105 unique CDR3
7 unique J



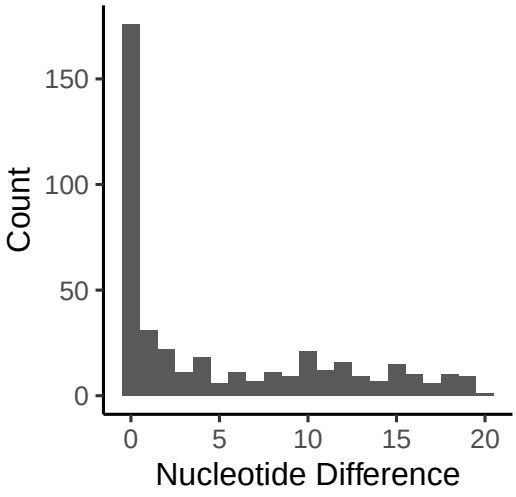
IGHV1−58*02

173 sequences assigned
18 (10.4%) exact matches, in which:
18 unique CDR3
4 unique J



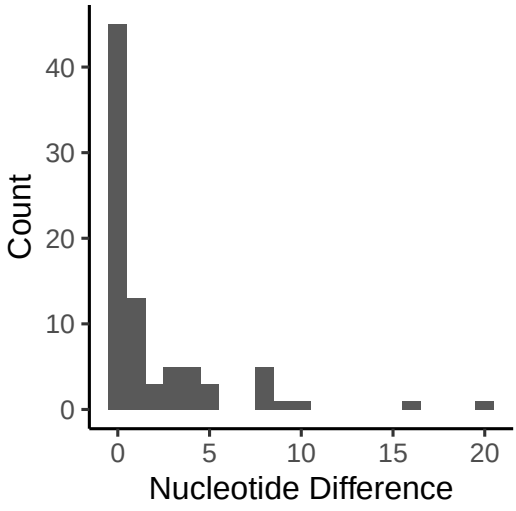
IGHV2−5*01

513 sequences assigned
176 (34.3%) exact matches, in which:
175 unique CDR3
6 unique J



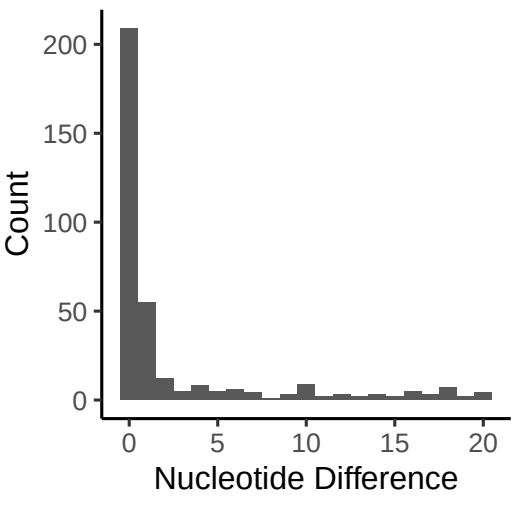
IGHV2−70*01

83 sequences assigned
45 (54.2%) exact matches, in which:
44 unique CDR3
4 unique J



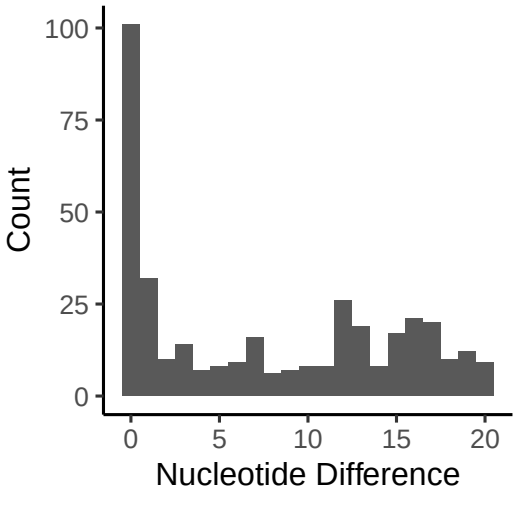
IGHV1−69*02

397 sequences assigned
209 (52.6%) exact matches, in which:
200 unique CDR3
6 unique J



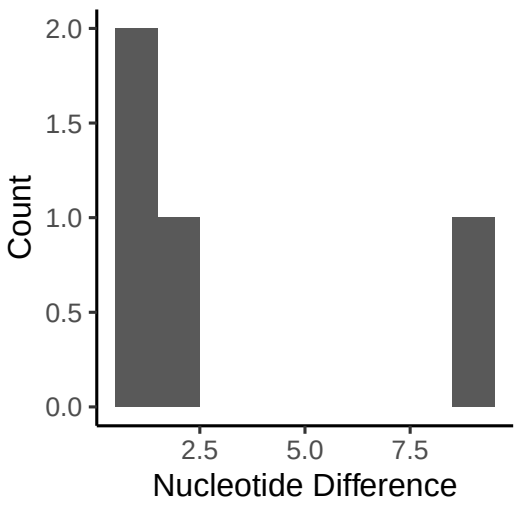
IGHV2−5*02

517 sequences assigned
101 (19.5%) exact matches, in which:
99 unique CDR3
6 unique J



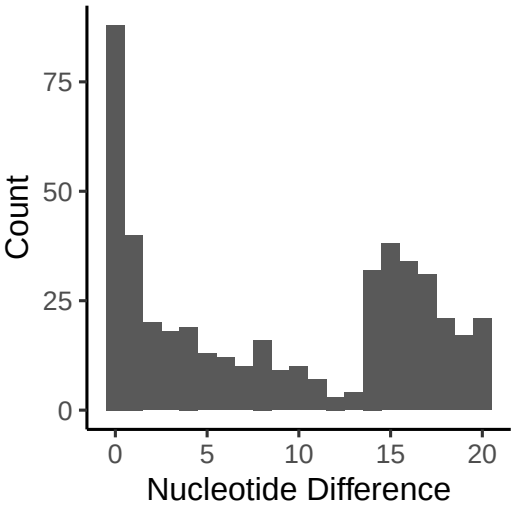
IGHV2−70D*04

4 sequences assigned
No exact matches.



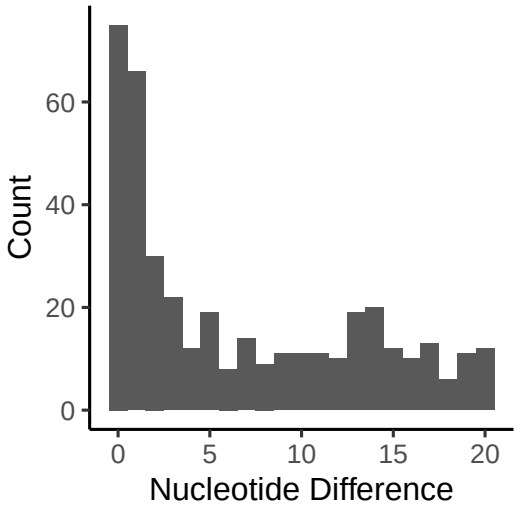
IGHV3−7*01

655 sequences assigned
88 (13.4%) exact matches, in which:
86 unique CDR3
6 unique J



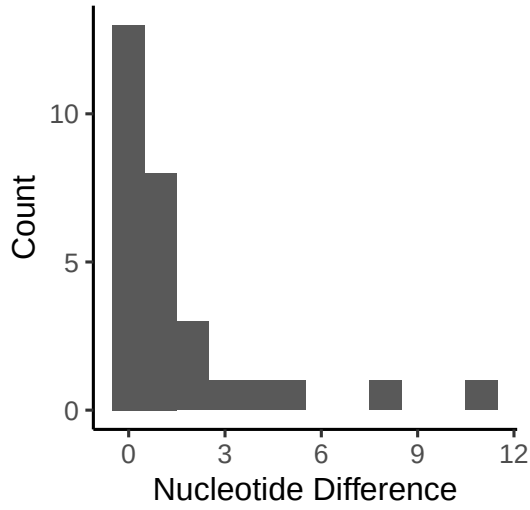
IGHV3−11*01

522 sequences assigned
75 (14.4%) exact matches, in which:
75 unique CDR3
5 unique J



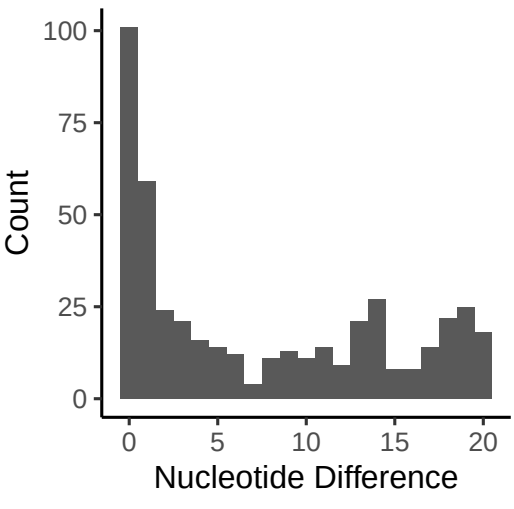
IGHV3−13*05

29 sequences assigned
13 (44.8%) exact matches, in which:
13 unique CDR3
4 unique J



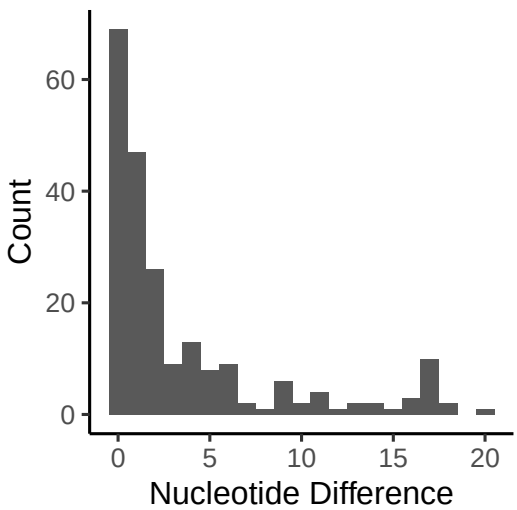
IGHV3−7*03

688 sequences assigned
101 (14.7%) exact matches, in which:
100 unique CDR3
6 unique J



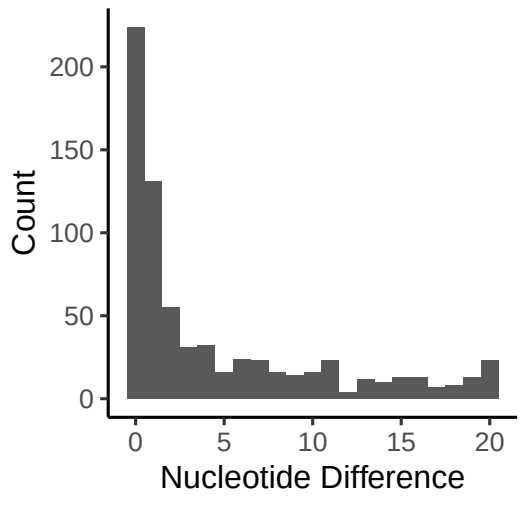
IGHV3−11*06

258 sequences assigned
69 (26.7%) exact matches, in which:
66 unique CDR3
5 unique J



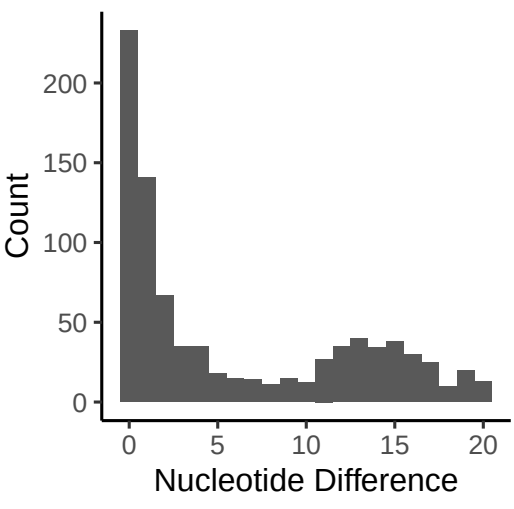
IGHV3−15*01

947 sequences assigned
224 (23.7%) exact matches, in which:
223 unique CDR3
7 unique J



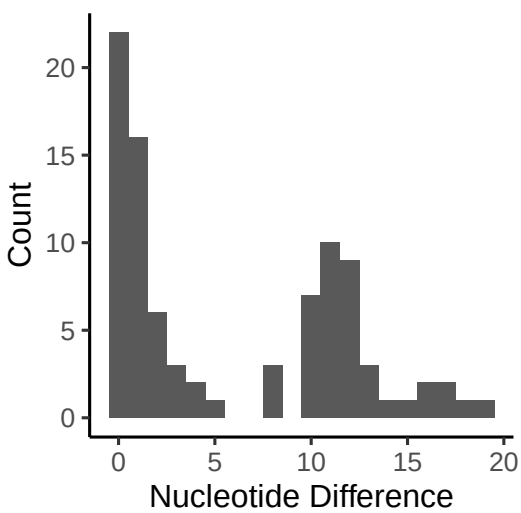
IGHV3−9*01

1034 sequences assigned
233 (22.5%) exact matches, in which:
230 unique CDR3
6 unique J



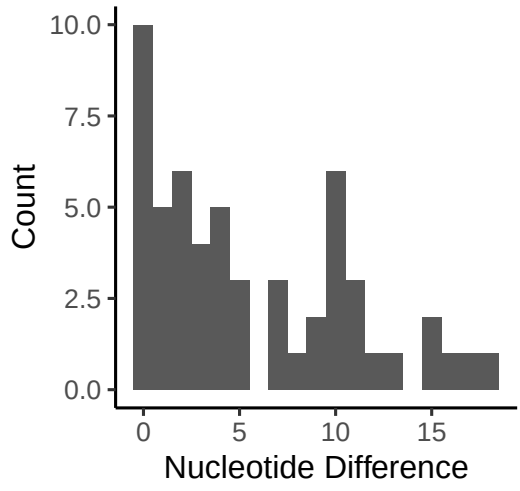
IGHV3−13*01

96 sequences assigned
22 (22.9%) exact matches, in which:
22 unique CDR3
4 unique J



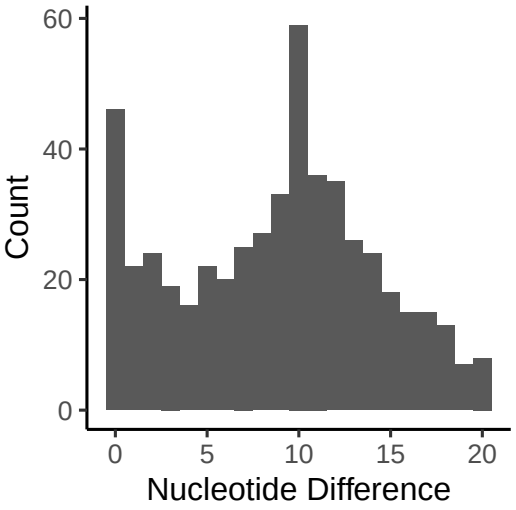
IGHV3−20*01

58 sequences assigned
10 (17.2%) exact matches, in which:
9 unique CDR3
3 unique J



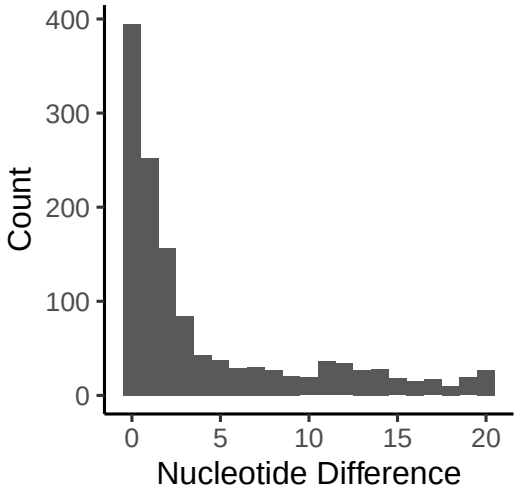
IGHV3−20*04

542 sequences assigned
46 (8.5%) exact matches, in which:
46 unique CDR3
5 unique J



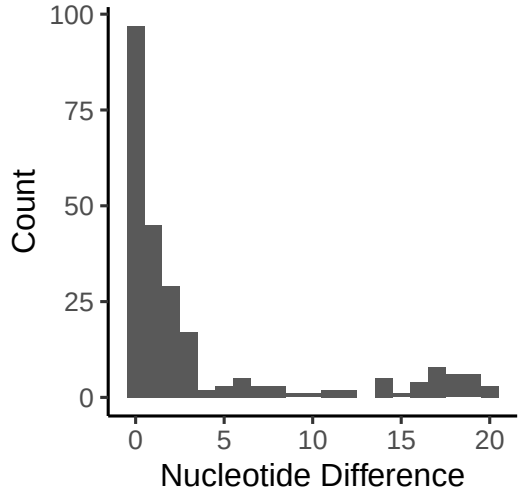
IGHV3−33*01

1617 sequences assigned
395 (24.4%) exact matches, in which:
386 unique CDR3
7 unique J



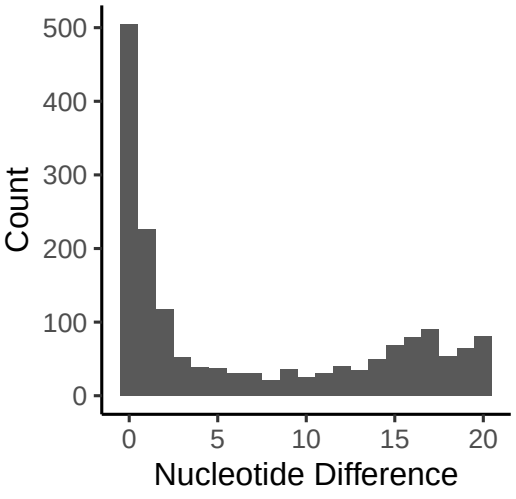
IGHV3−49*05

326 sequences assigned
97 (29.8%) exact matches, in which:
95 unique CDR3
7 unique J



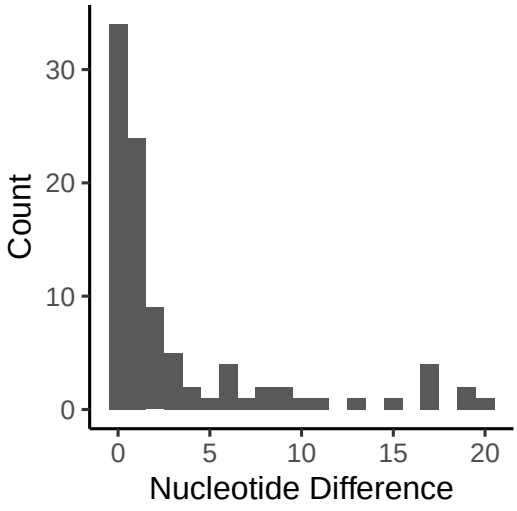
IGHV3−21*01

3472 sequences assigned
505 (14.5%) exact matches, in which:
499 unique CDR3
7 unique J



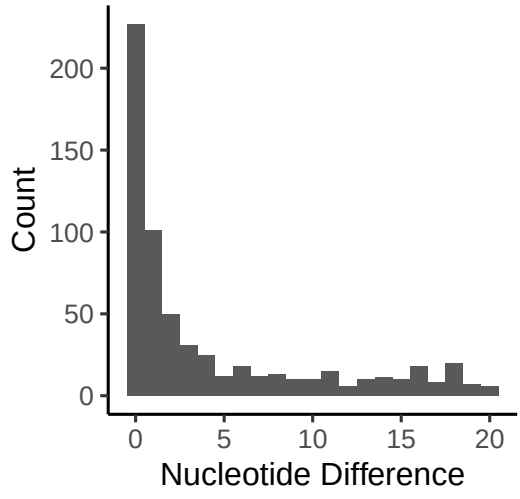
IGHV3−43*01

112 sequences assigned
34 (30.4%) exact matches, in which:
33 unique CDR3
7 unique J



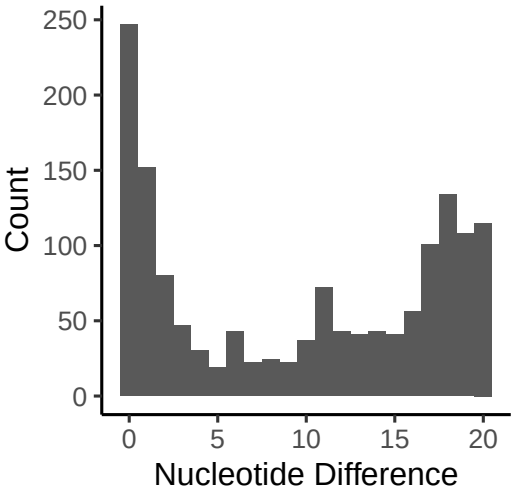
IGHV3−53*01

795 sequences assigned
227 (28.6%) exact matches, in which:
220 unique CDR3
7 unique J



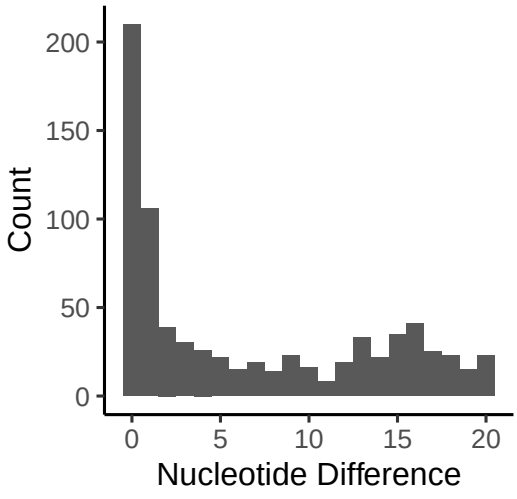
IGHV3−30−3*01

1924 sequences assigned
247 (12.8%) exact matches, in which:
242 unique CDR3
6 unique J



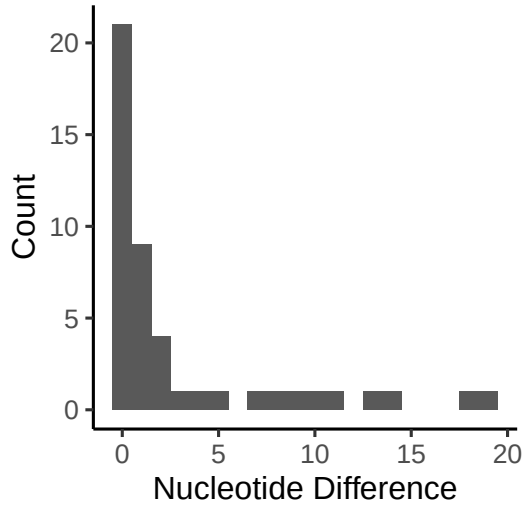
IGHV3−48*02

972 sequences assigned
210 (21.6%) exact matches, in which:
205 unique CDR3
7 unique J



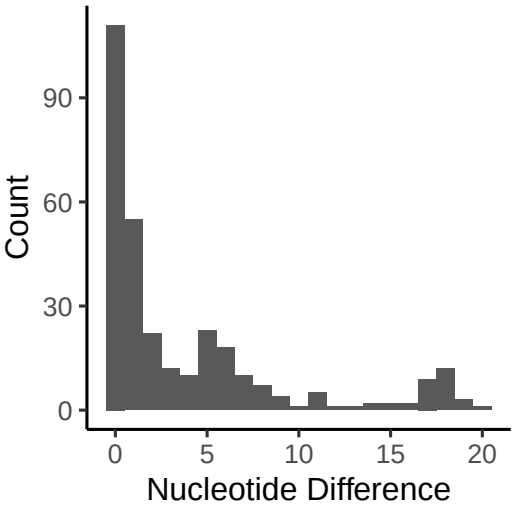
IGHV3−64*01

55 sequences assigned
21 (38.2%) exact matches, in which:
21 unique CDR3
4 unique J



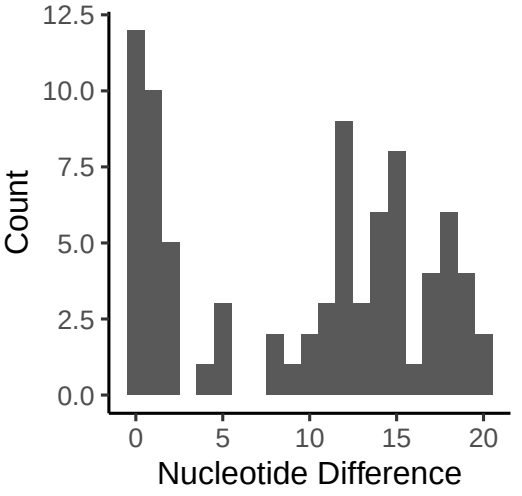
IGHV3−66*02

335 sequences assigned
111 (33.1%) exact matches, in which:
108 unique CDR3
5 unique J



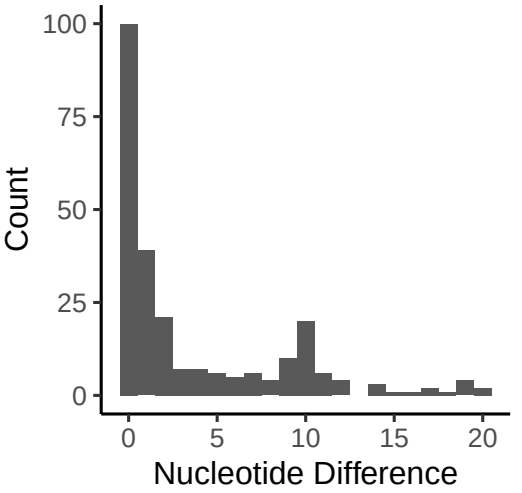
IGHV3−73*01

96 sequences assigned
12 (12.5%) exact matches, in which:
12 unique CDR3
4 unique J



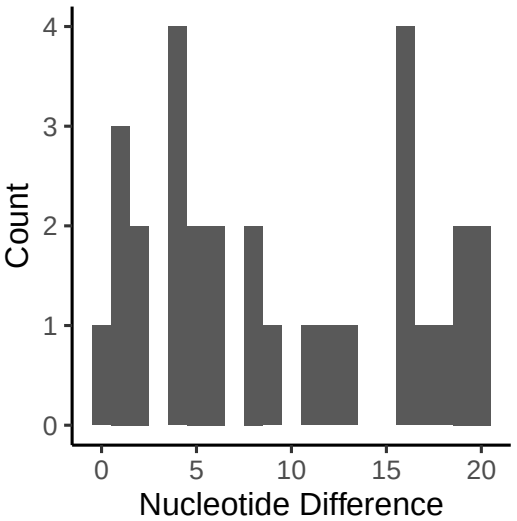
IGHV3−64D*09

345 sequences assigned
100 (29%) exact matches, in which:
99 unique CDR3
5 unique J



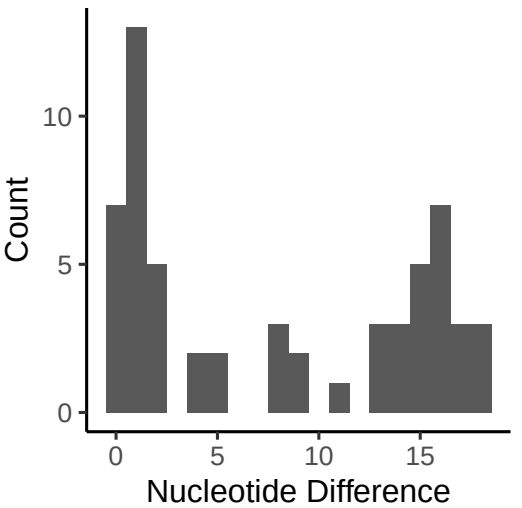
IGHV3−69−1*02

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



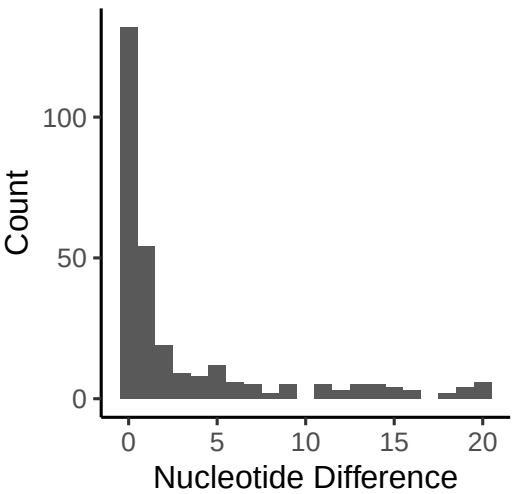
IGHV3−73*02

71 sequences assigned
7 (9.9%) exact matches, in which:
7 unique CDR3
2 unique J



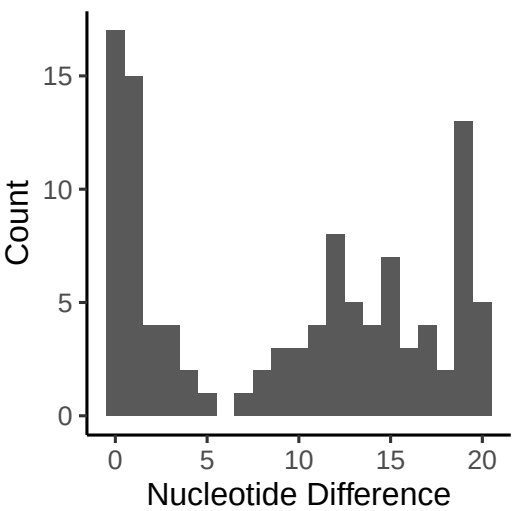
IGHV4−4*02

368 sequences assigned
132 (35.9%) exact matches, in which:
129 unique CDR3
6 unique J



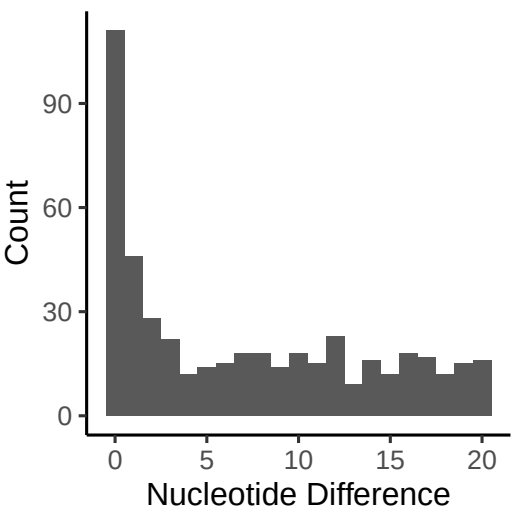
IGHV3−72*01

188 sequences assigned
17 (9%) exact matches, in which:
17 unique CDR3
4 unique J



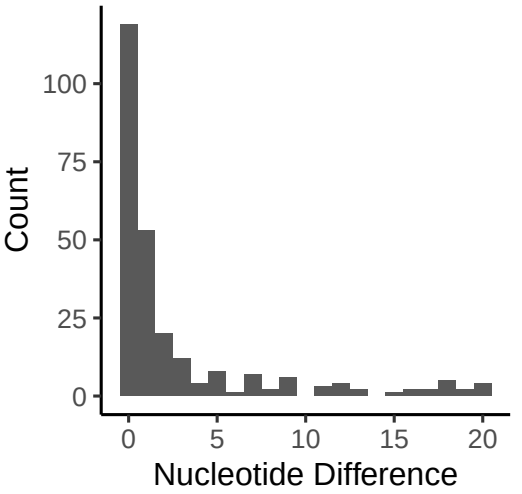
IGHV3−74*01

706 sequences assigned
111 (15.7%) exact matches, in which:
110 unique CDR3
7 unique J



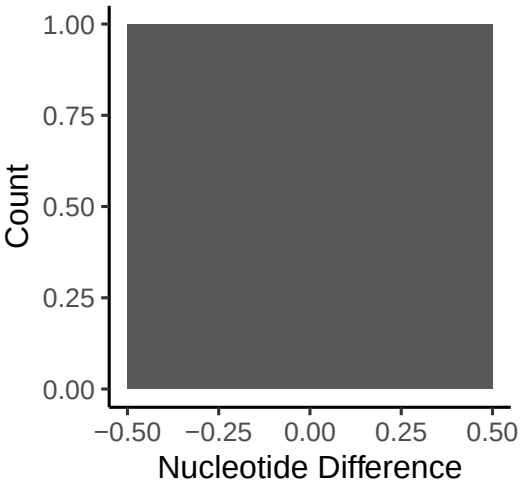
IGHV4−4*07

319 sequences assigned
119 (37.3%) exact matches, in which:
119 unique CDR3
5 unique J



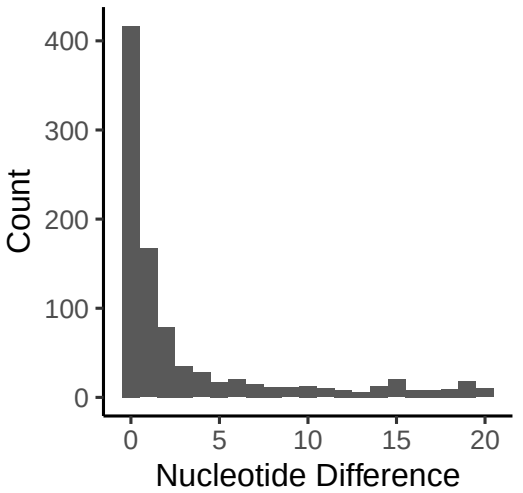
IGHV4−28*01

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



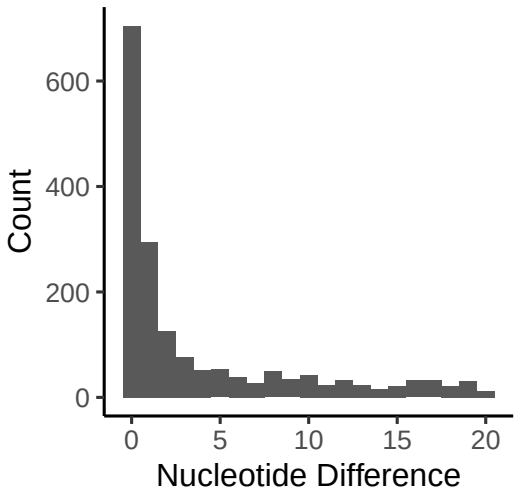
IGHV4−31*03

1278 sequences assigned
417 (32.6%) exact matches, in which:
403 unique CDR3
7 unique J



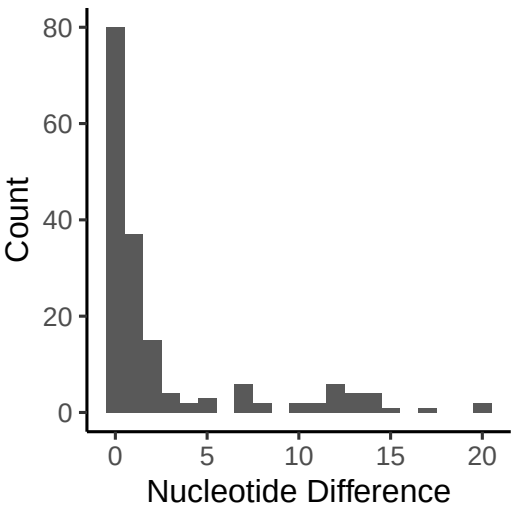
IGHV4−39*01

2356 sequences assigned
705 (29.9%) exact matches, in which:
690 unique CDR3
7 unique J



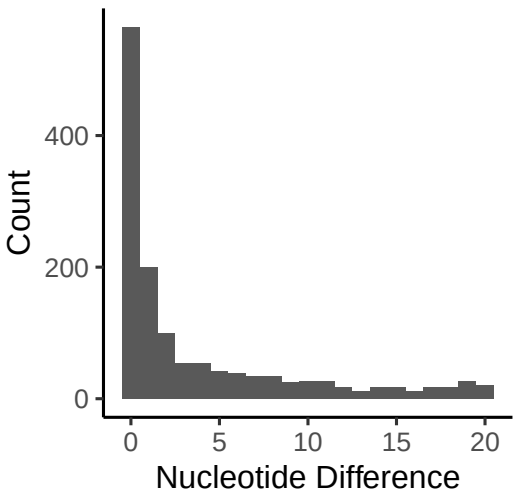
IGHV4−30−4*01

226 sequences assigned
80 (35.4%) exact matches, in which:
79 unique CDR3
6 unique J



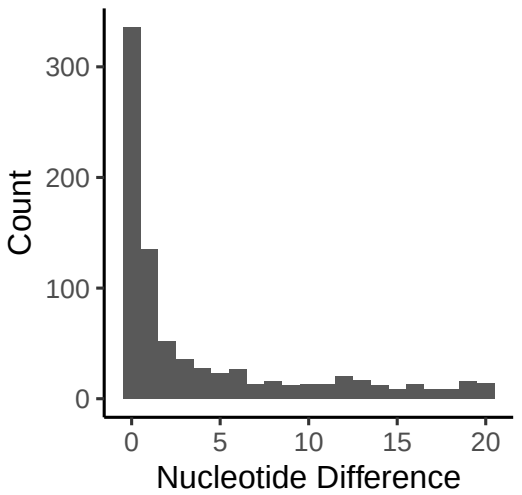
IGHV4−34*01

1707 sequences assigned
565 (33.1%) exact matches, in which:
561 unique CDR3
7 unique J



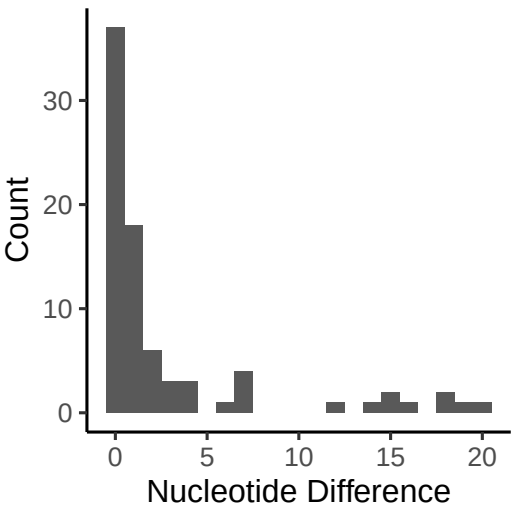
IGHV4−59*01

1015 sequences assigned
336 (33.1%) exact matches, in which:
335 unique CDR3
7 unique J



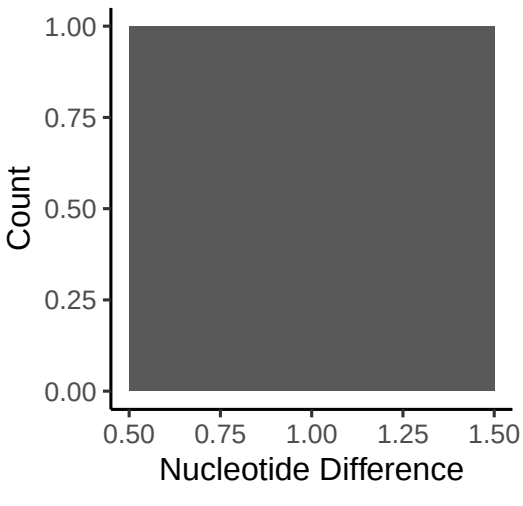
IGHV4−30−2*01

104 sequences assigned
37 (35.6%) exact matches, in which:
36 unique CDR3
5 unique J



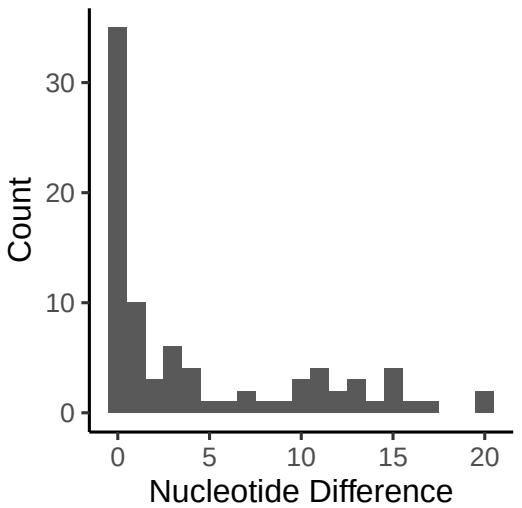
IGHV4−38−2*02

2 sequences assigned
No exact matches.



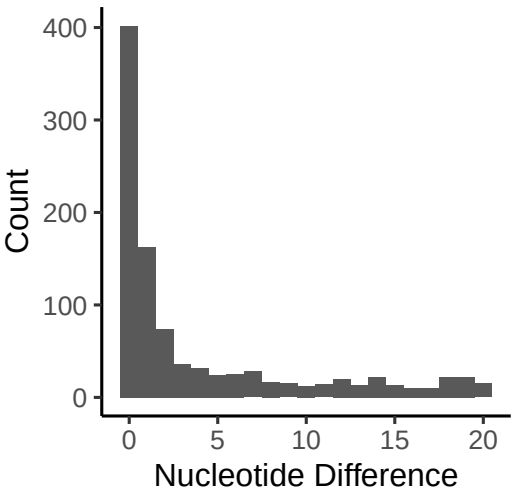
IGHV4−61*01

88 sequences assigned
35 (39.8%) exact matches, in which:
35 unique CDR3
5 unique J



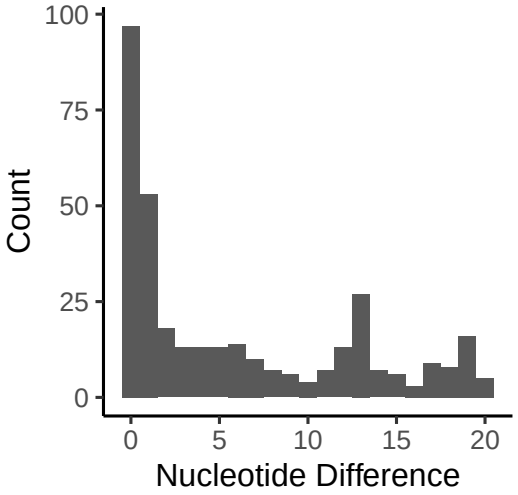
IGHV4−61*02

1315 sequences assigned
402 (30.6%) exact matches, in which:
392 unique CDR3
7 unique J



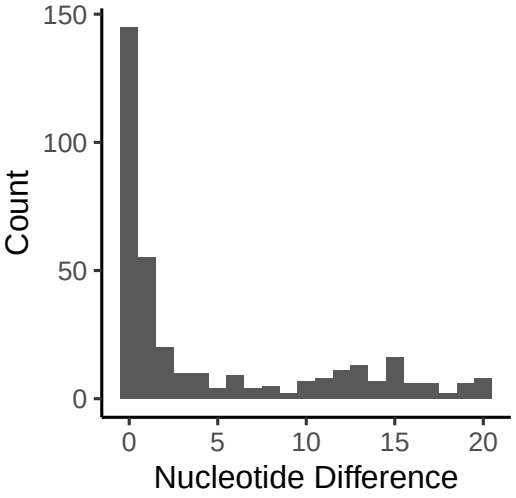
IGHV6−1*01

378 sequences assigned
97 (25.7%) exact matches, in which:
95 unique CDR3
7 unique J



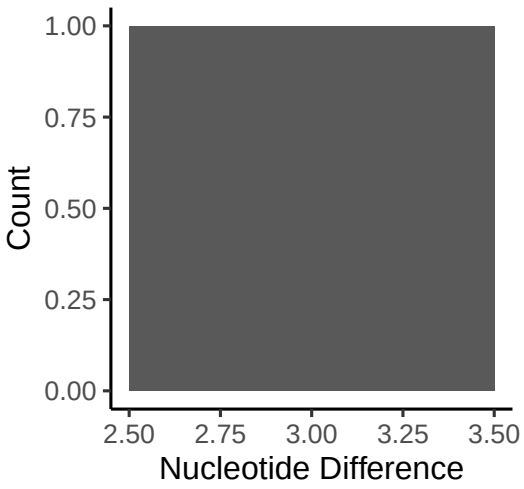
IGHV5−10−1*03

525 sequences assigned
145 (27.6%) exact matches, in which:
143 unique CDR3
6 unique J



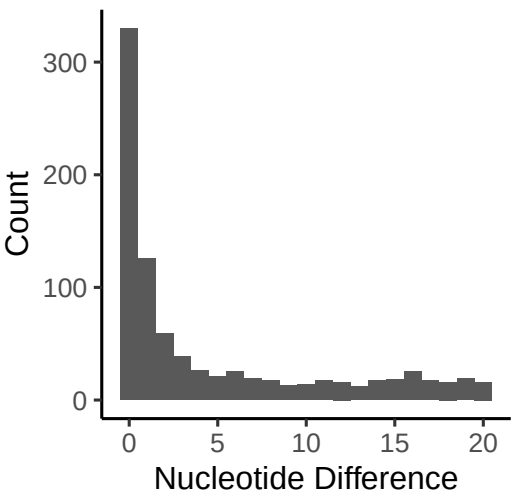
IGHV7−4−1*01

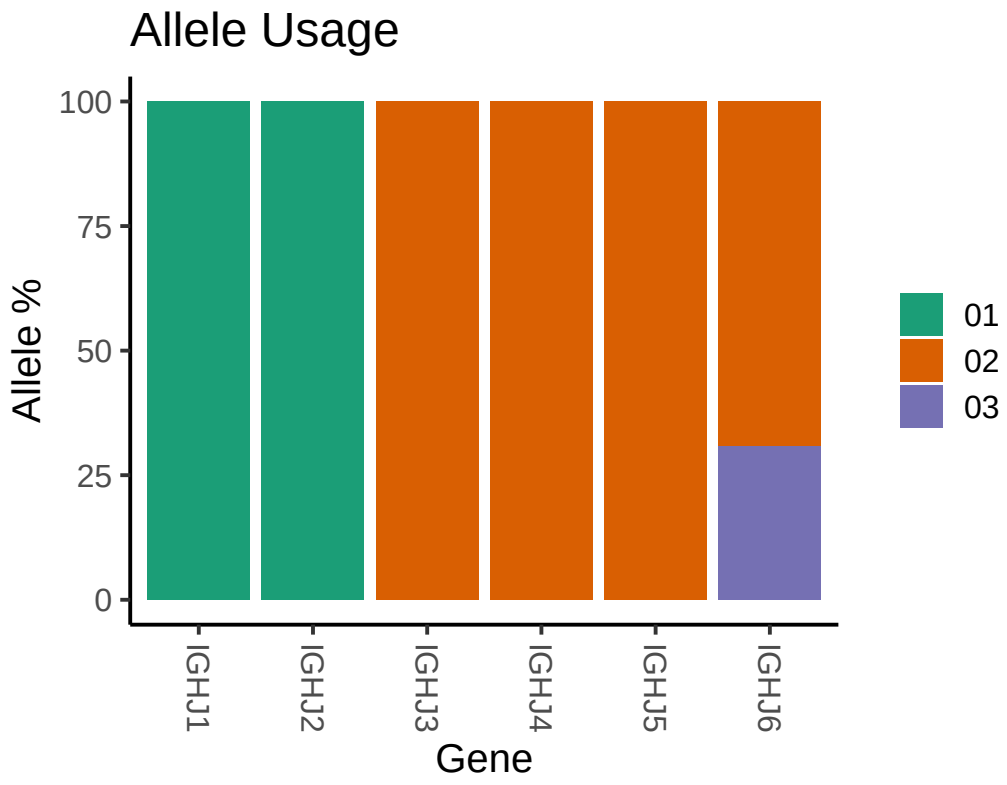
1 sequences assigned
No exact matches.



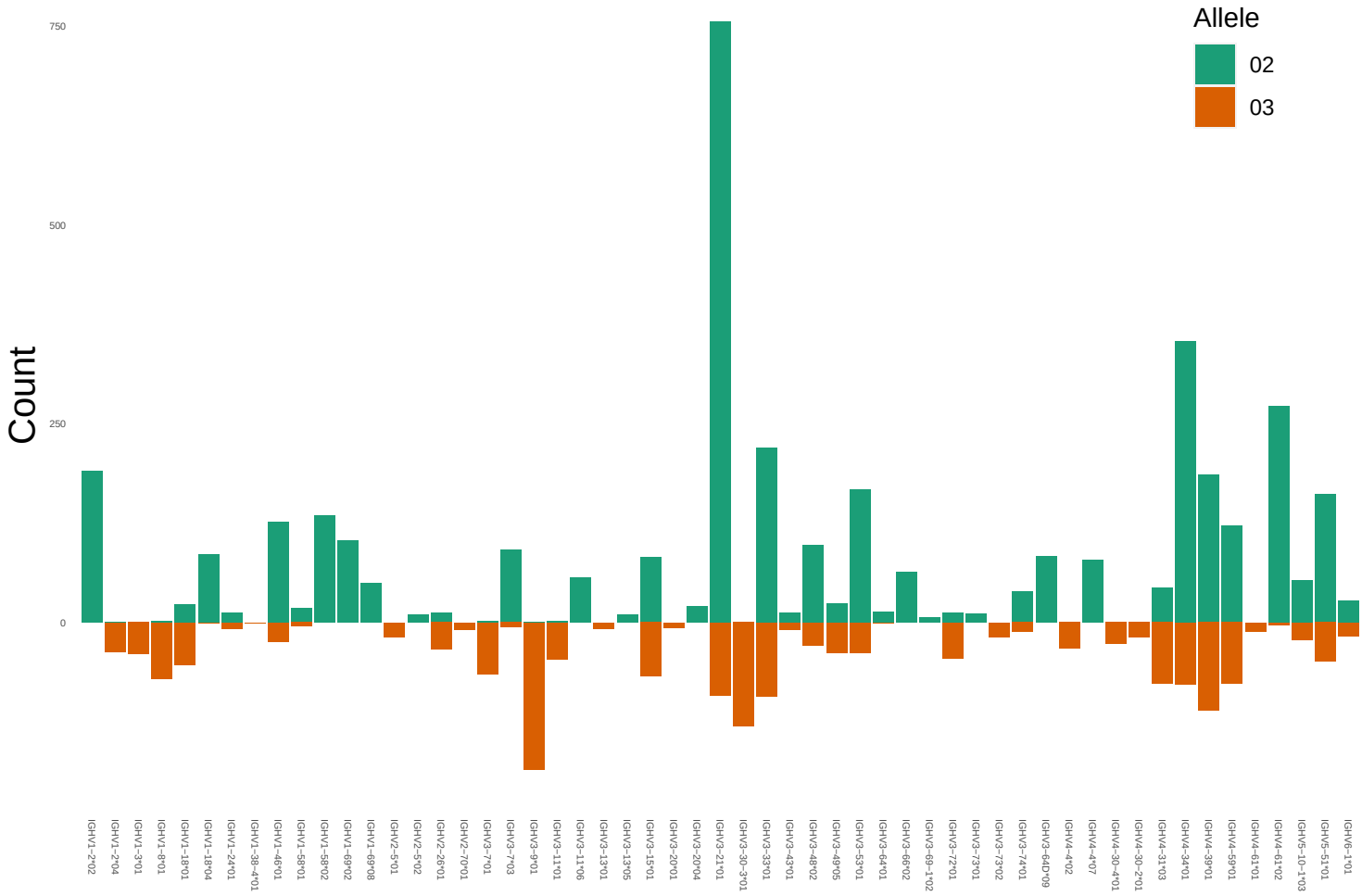
IGHV5−51*01

1245 sequences assigned
330 (26.5%) exact matches, in which:
325 unique CDR3
7 unique J




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02
03

Sequence Count by IGHJ6 allele usage



Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.