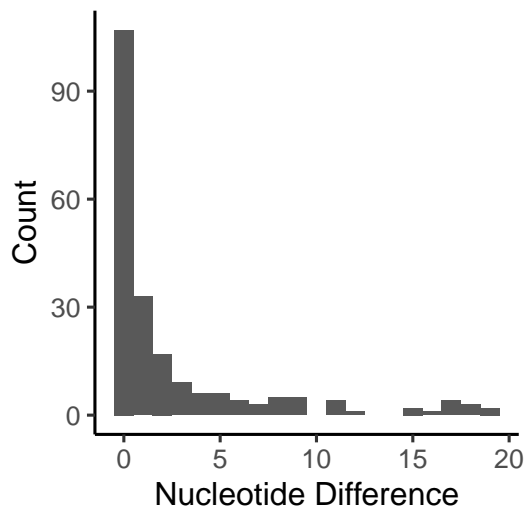


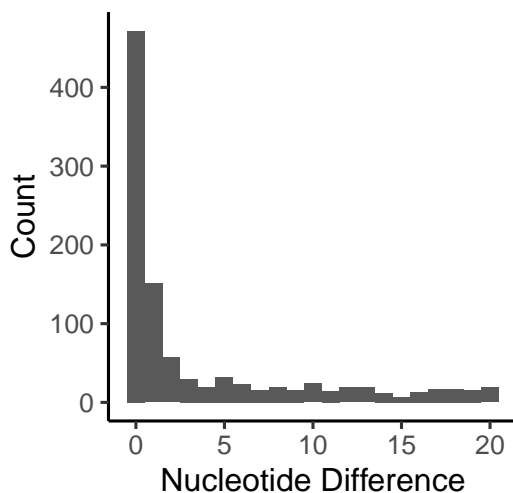
IGHV1-2*04

252 sequences assigned
107 (42.5%) exact matches, in which:
106 unique CDR3
6 unique J



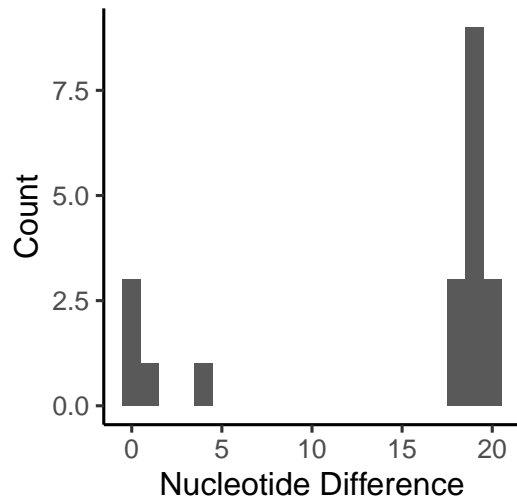
IGHV1-8*01

1172 sequences assigned
472 (40.3%) exact matches, in which:
471 unique CDR3
7 unique J



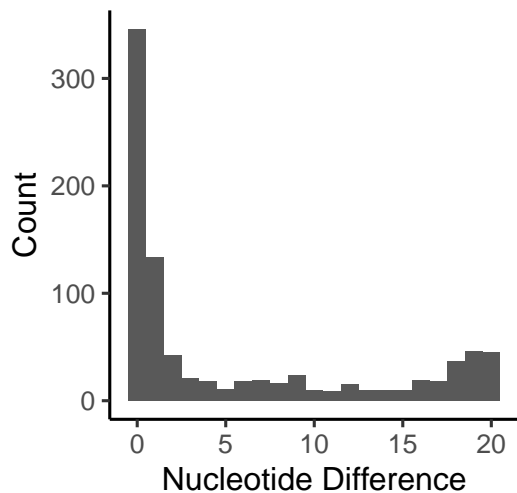
IGHV1-45*02

24 sequences assigned
3 (12.5%) exact matches, in which:
3 unique CDR3
3 unique J



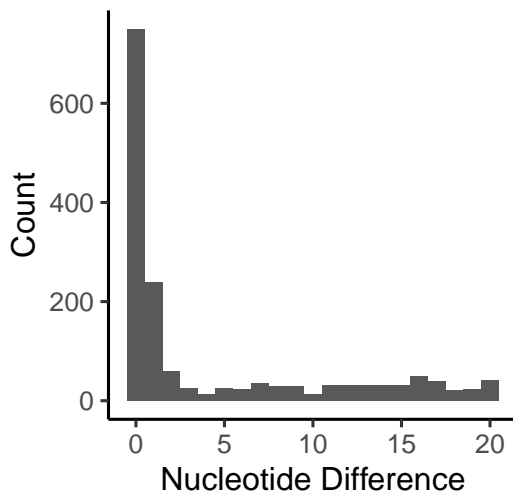
IGHV1-2*06

1194 sequences assigned
346 (29%) exact matches, in which:
345 unique CDR3
7 unique J



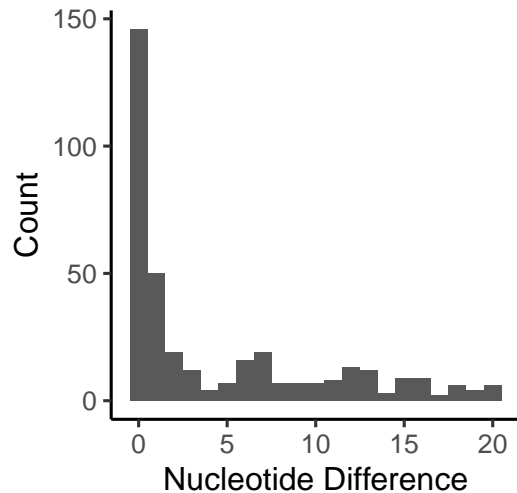
IGHV1-18*01

2084 sequences assigned
750 (36%) exact matches, in which:
745 unique CDR3
7 unique J



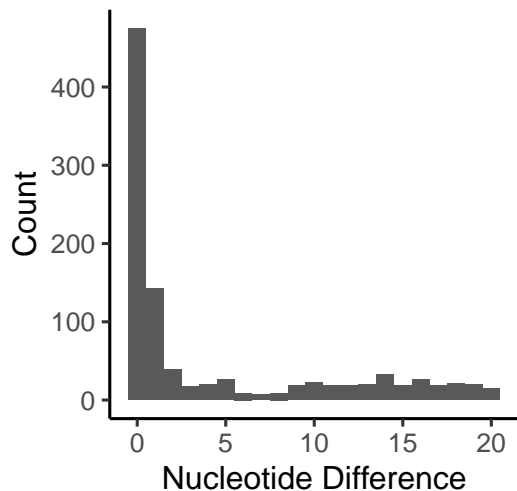
IGHV1-46*01

576 sequences assigned
146 (25.3%) exact matches, in which:
146 unique CDR3
7 unique J



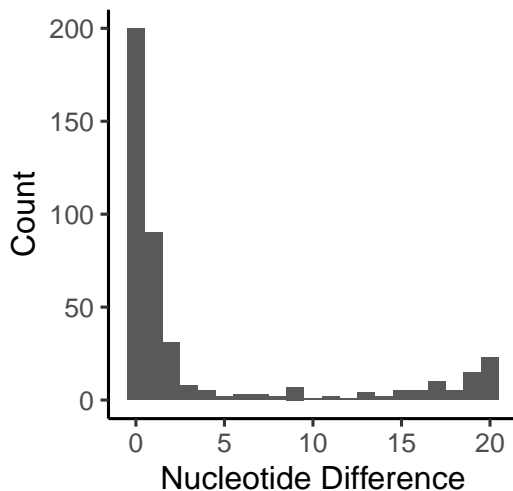
IGHV1-3*01

1330 sequences assigned
475 (35.7%) exact matches, in which:
470 unique CDR3
7 unique J



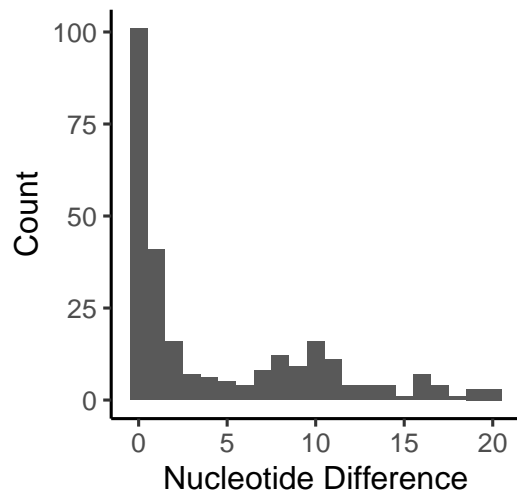
IGHV1-24*01

508 sequences assigned
200 (39.4%) exact matches, in which:
195 unique CDR3
7 unique J



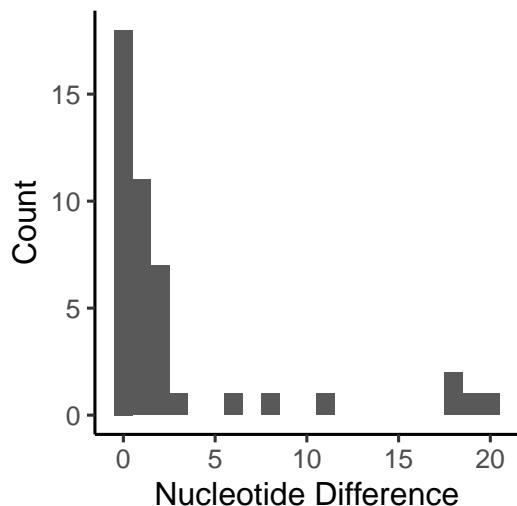
IGHV1-46*03

385 sequences assigned
101 (26.2%) exact matches, in which:
101 unique CDR3
5 unique J



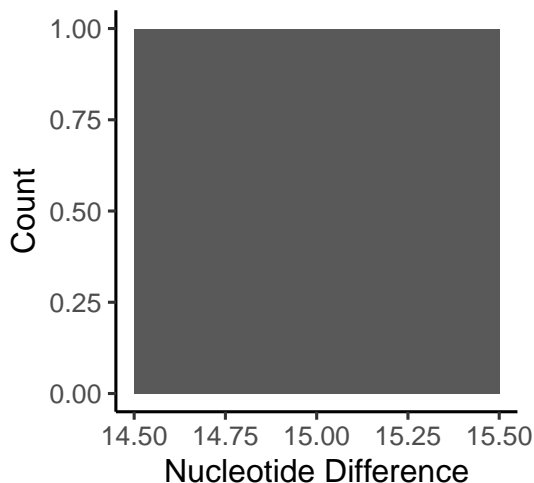
IGHV1-58*02

49 sequences assigned
18 (36.7%) exact matches, in which:
18 unique CDR3
5 unique J



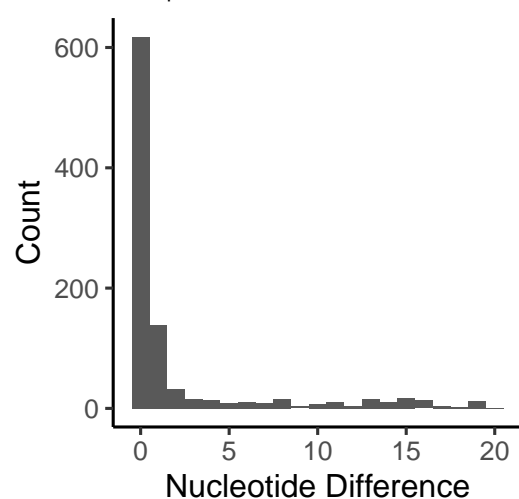
IGHV1-69D*01

1 sequences assigned
No exact matches.



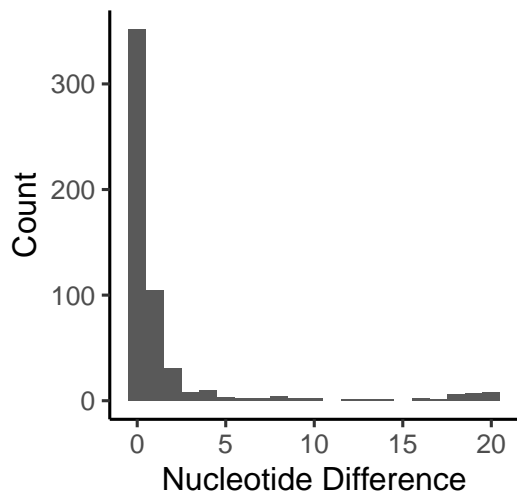
IGHV2-26*01

1054 sequences assigned
618 (58.6%) exact matches, in which:
615 unique CDR3
7 unique J



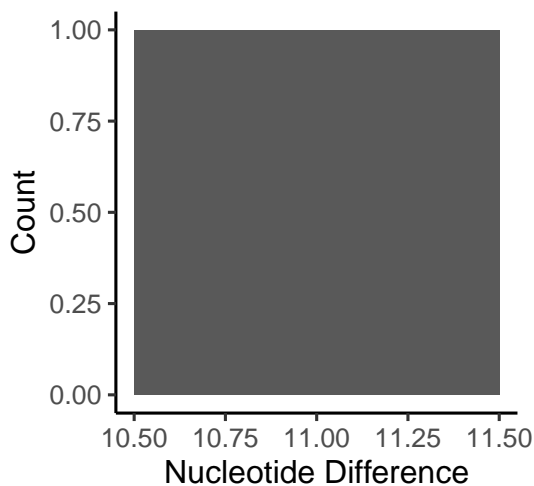
IGHV1-69*09

628 sequences assigned
352 (56.1%) exact matches, in which:
351 unique CDR3
6 unique J



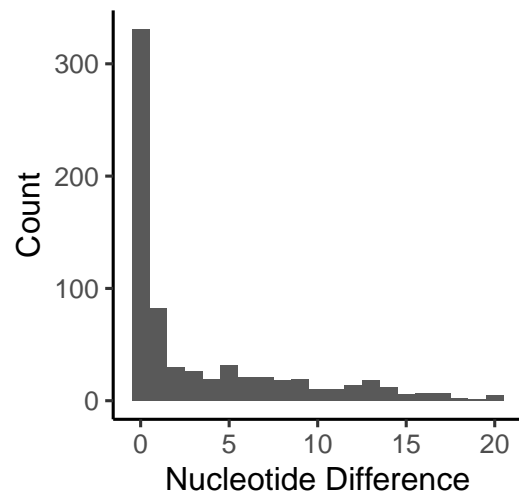
IGHV1-NL1*01

1 sequences assigned
No exact matches.



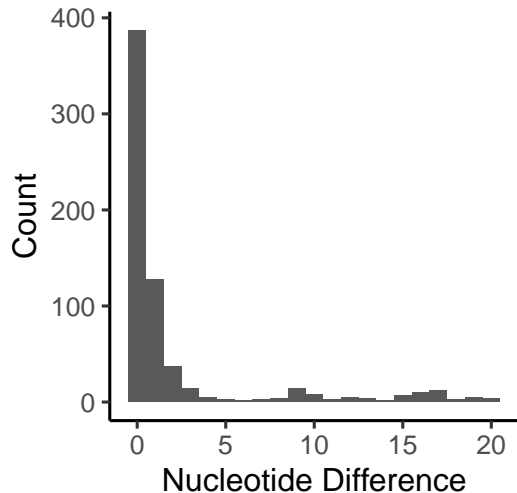
IGHV2-70*15

754 sequences assigned
331 (43.9%) exact matches, in which:
329 unique CDR3
7 unique J



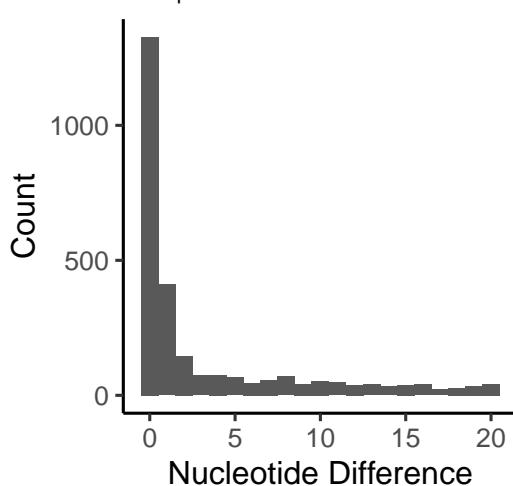
IGHV1-69*08_C191T

875 sequences assigned
387 (44.2%) exact matches, in which:
384 unique CDR3
6 unique J



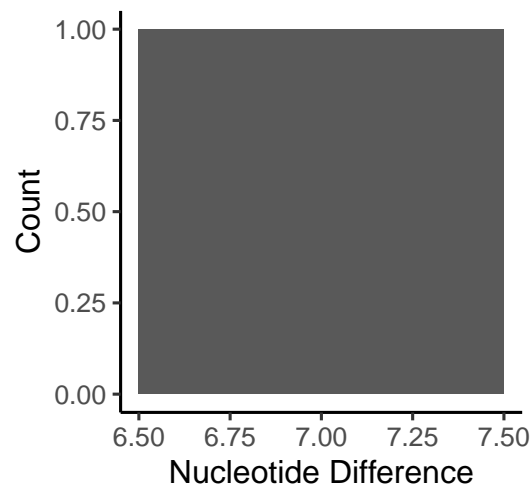
IGHV2-5*02

3054 sequences assigned
1327 (43.5%) exact matches, in which:
1318 unique CDR3
7 unique J



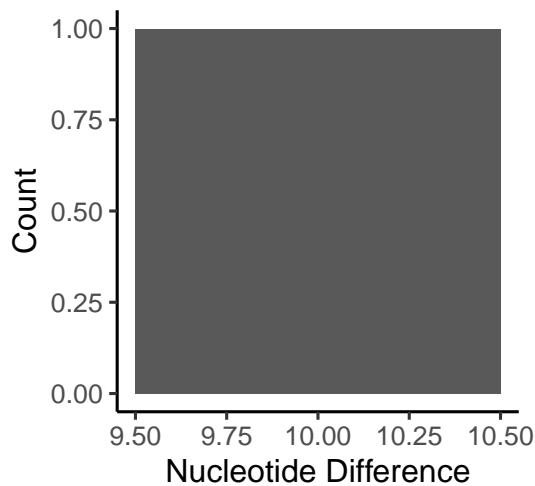
IGHV2-70D*04

1 sequences assigned
No exact matches.



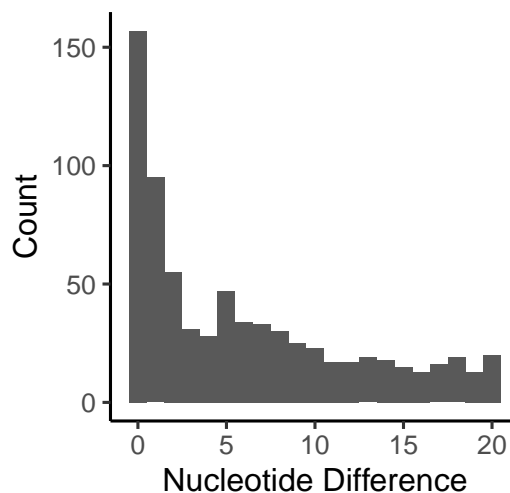
IGHV2-70D*14

1 sequences assigned
No exact matches.



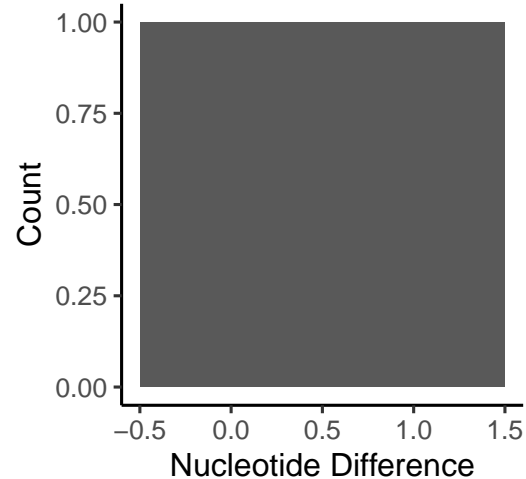
IGHV3-11*01

1036 sequences assigned
157 (15.2%) exact matches, in which:
153 unique CDR3
7 unique J



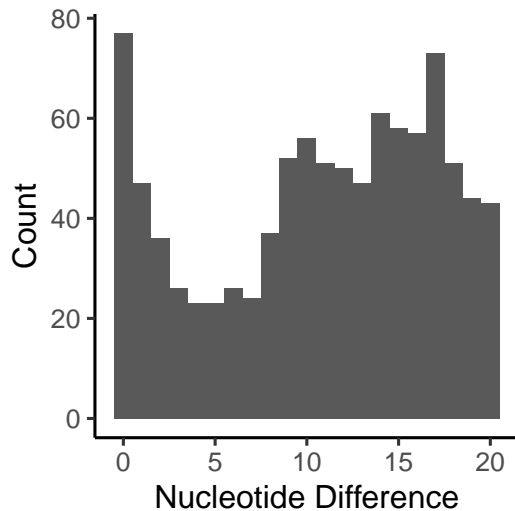
IGHV3-19*01

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



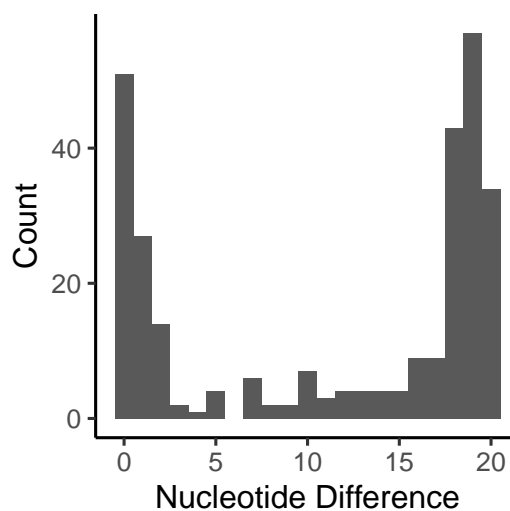
IGHV3-7*01

1163 sequences assigned
77 (6.6%) exact matches, in which:
75 unique CDR3
6 unique J



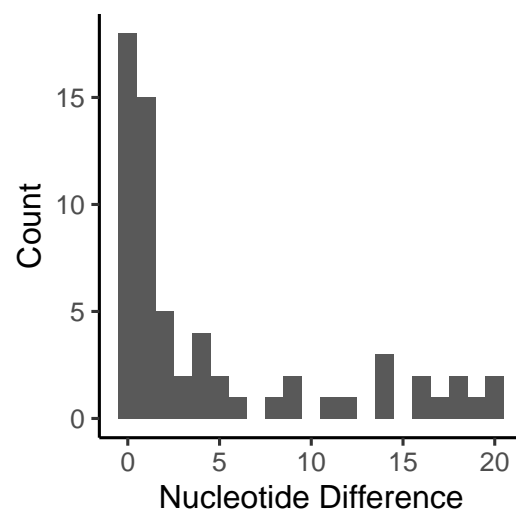
IGHV3-13*01

346 sequences assigned
51 (14.7%) exact matches, in which:
51 unique CDR3
6 unique J



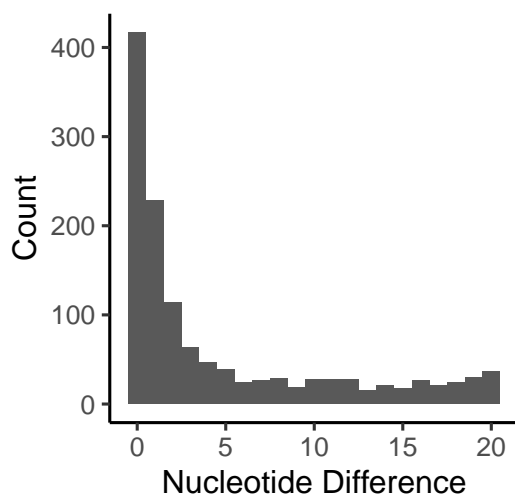
IGHV3-20*01

72 sequences assigned
18 (25%) exact matches, in which:
18 unique CDR3
5 unique J



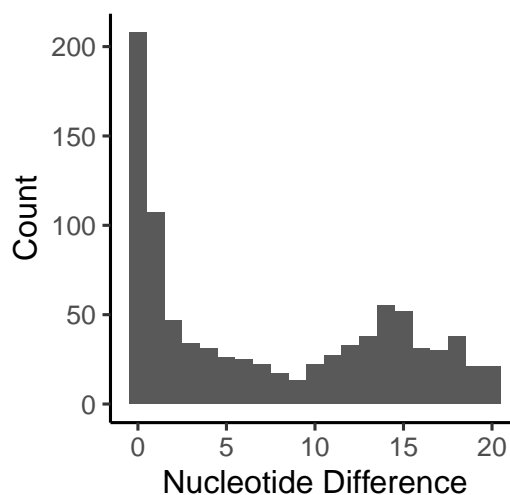
IGHV3-9*01

1739 sequences assigned
417 (24%) exact matches, in which:
410 unique CDR3
7 unique J



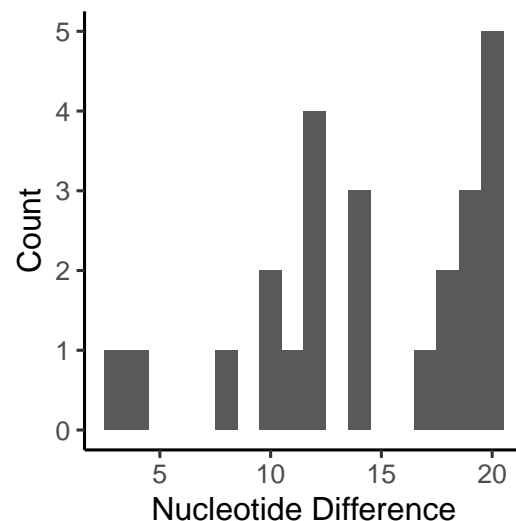
IGHV3-15*01

1262 sequences assigned
208 (16.5%) exact matches, in which:
204 unique CDR3
7 unique J



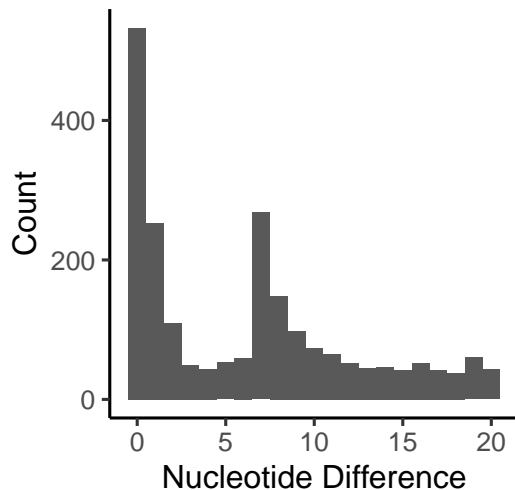
IGHV3-20*04

49 sequences assigned
No exact matches.



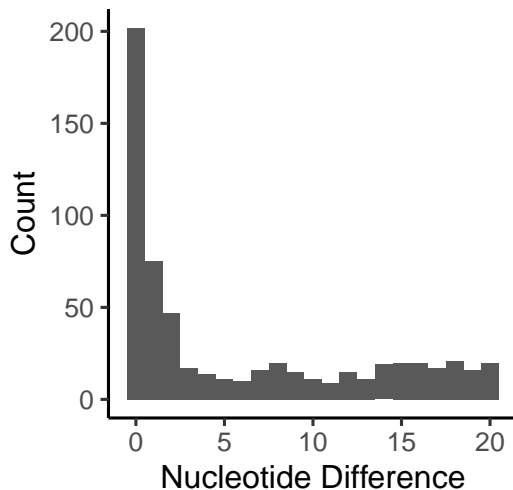
IGHV3-21*01

2803 sequences assigned
533 (19%) exact matches, in which:
527 unique CDR3
7 unique J



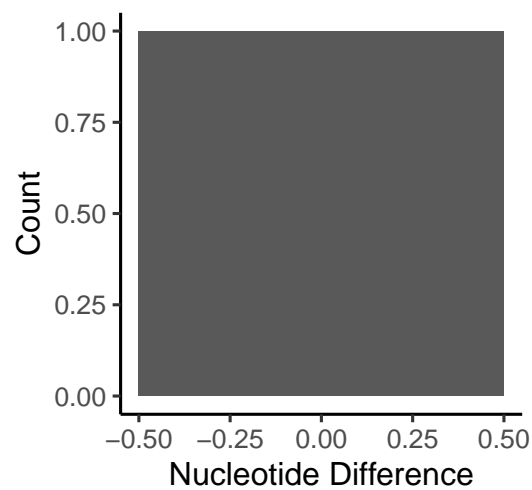
IGHV3-30*01

819 sequences assigned
202 (24.7%) exact matches, in which:
199 unique CDR3
7 unique J



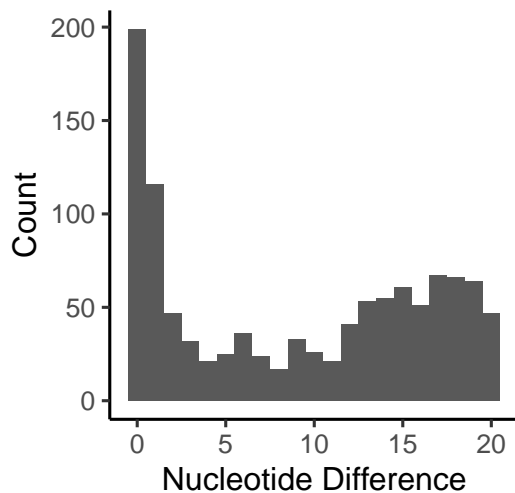
IGHV3-38-3*01

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



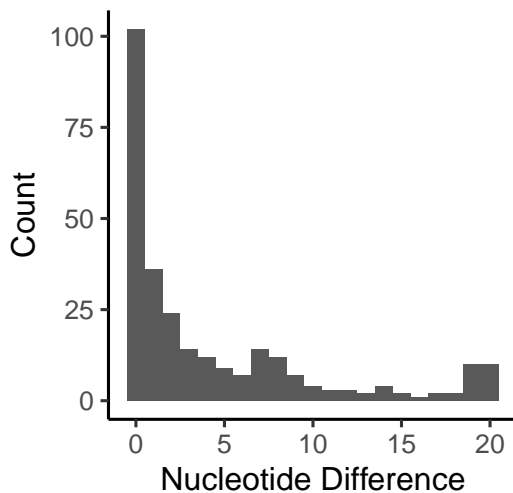
IGHV3-23*04

1508 sequences assigned
199 (13.2%) exact matches, in which:
199 unique CDR3
6 unique J



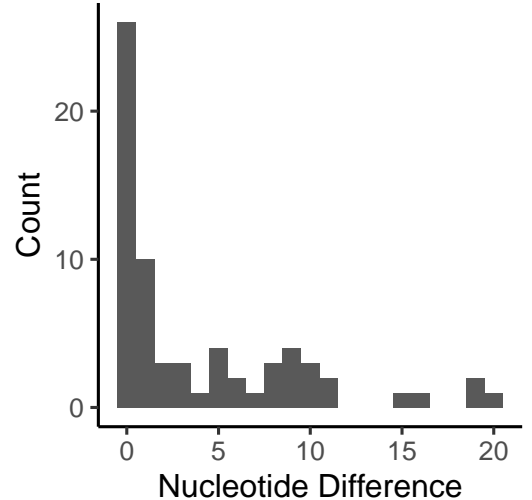
IGHV3-33*01

358 sequences assigned
102 (28.5%) exact matches, in which:
102 unique CDR3
6 unique J



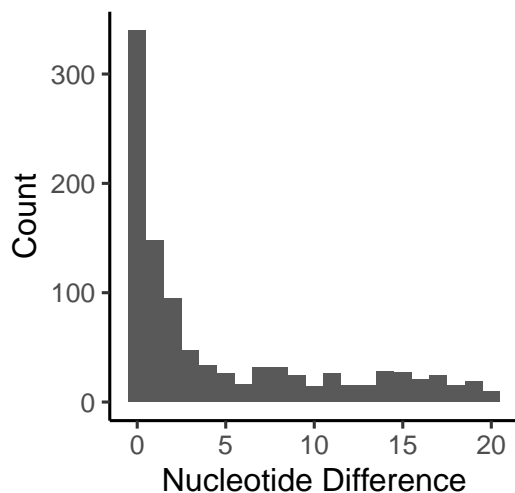
IGHV3-43*01

125 sequences assigned
26 (20.8%) exact matches, in which:
26 unique CDR3
3 unique J



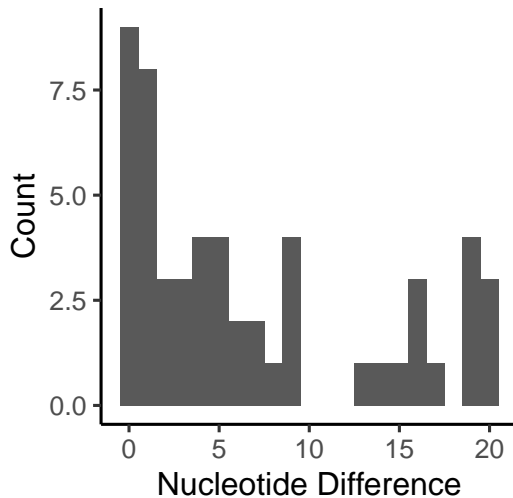
IGHV3-30-3*01

1372 sequences assigned
340 (24.8%) exact matches, in which:
339 unique CDR3
6 unique J



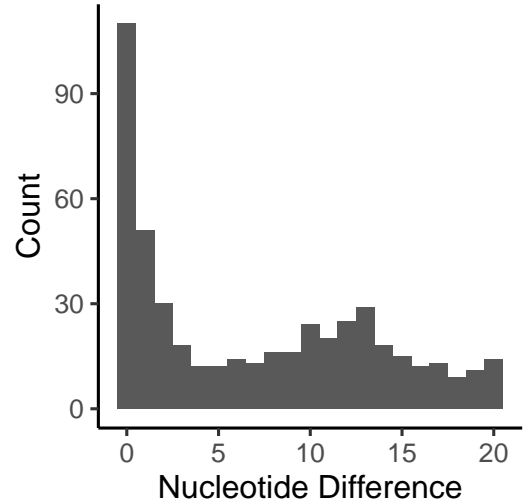
IGHV3-33*01_A85C

130 sequences assigned
9 (6.9%) exact matches, in which:
9 unique CDR3
4 unique J



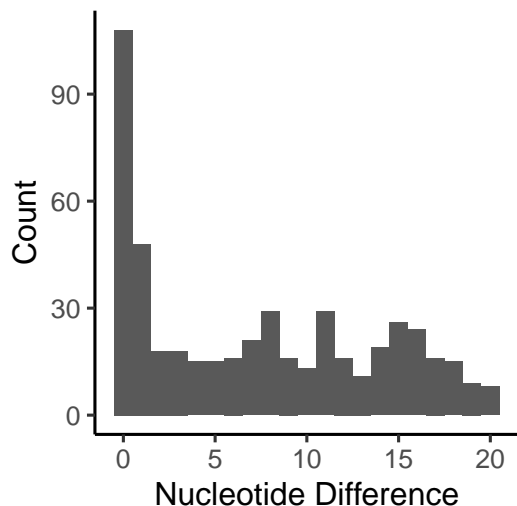
IGHV3-48*02

647 sequences assigned
110 (17%) exact matches, in which:
108 unique CDR3
6 unique J



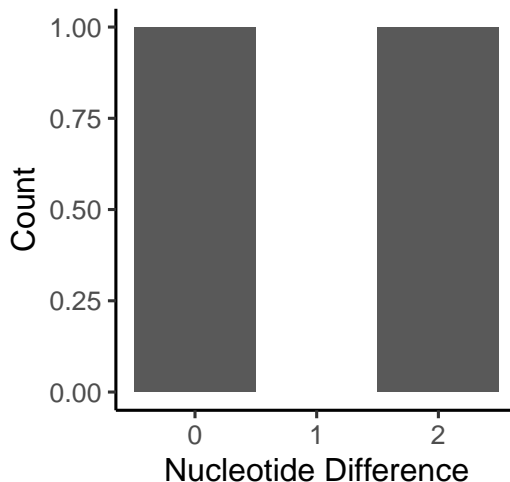
IGHV3-48*04

608 sequences assigned
108 (17.8%) exact matches, in which:
104 unique CDR3
5 unique J



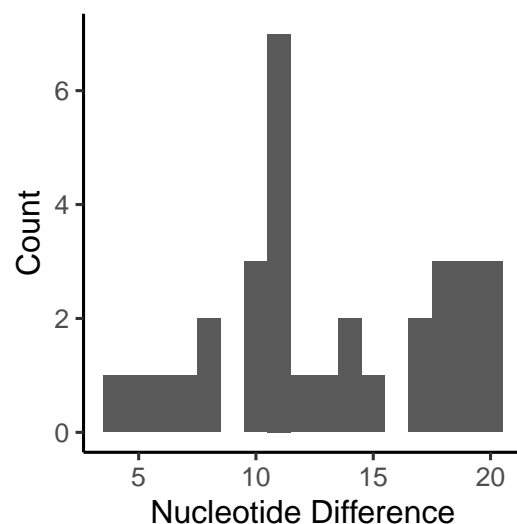
IGHV3-52*01

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



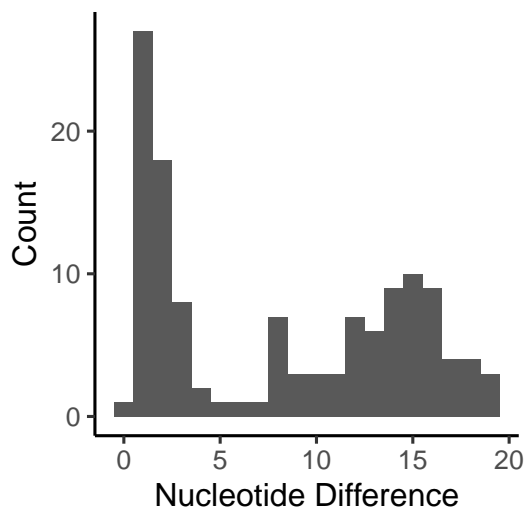
IGHV3-64*07

55 sequences assigned
No exact matches.



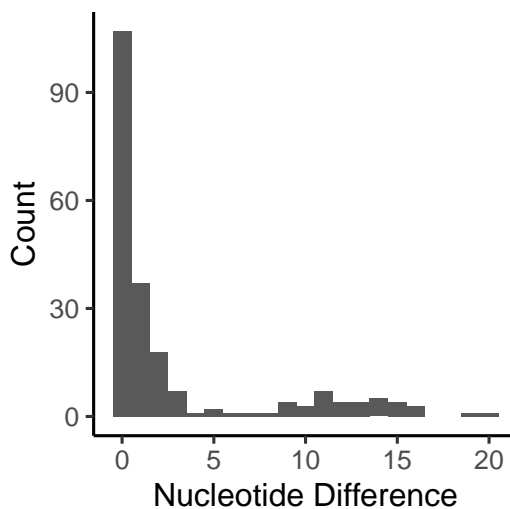
IGHV3-49*03

230 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



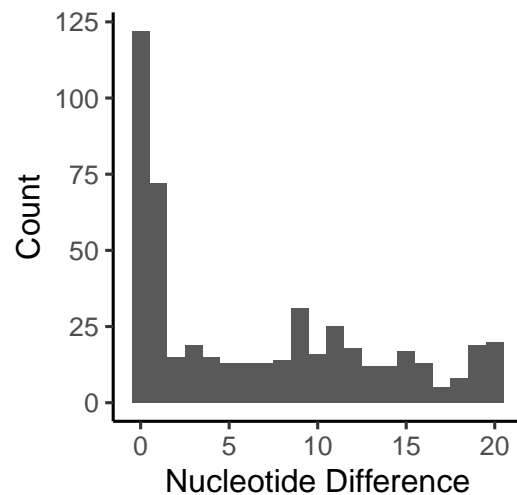
IGHV3-53*04

265 sequences assigned
107 (40.4%) exact matches, in which:
106 unique CDR3
6 unique J



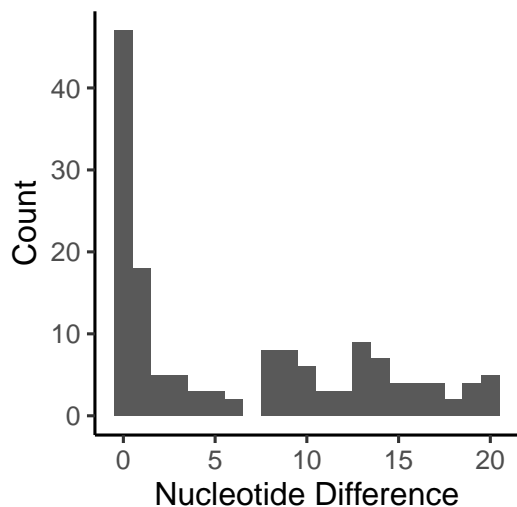
IGHV3-66*01

668 sequences assigned
122 (18.3%) exact matches, in which:
122 unique CDR3
7 unique J



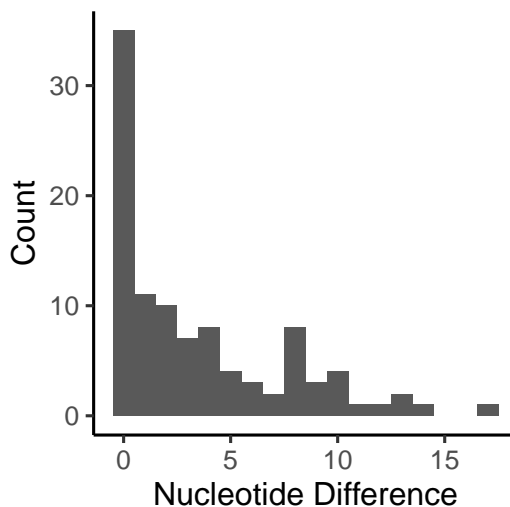
IGHV3-49*04

209 sequences assigned
47 (22.5%) exact matches, in which:
46 unique CDR3
4 unique J



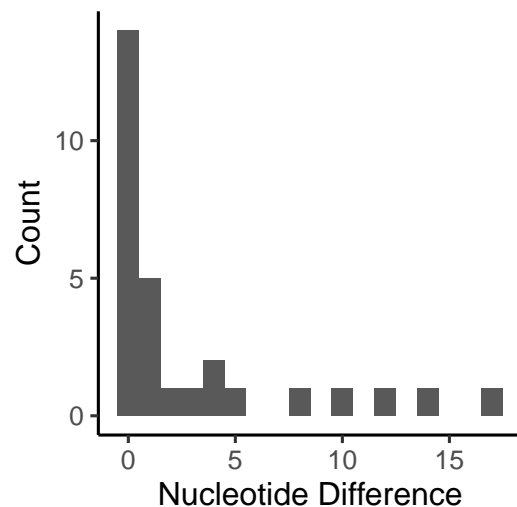
IGHV3-64*01

160 sequences assigned
35 (21.9%) exact matches, in which:
35 unique CDR3
5 unique J



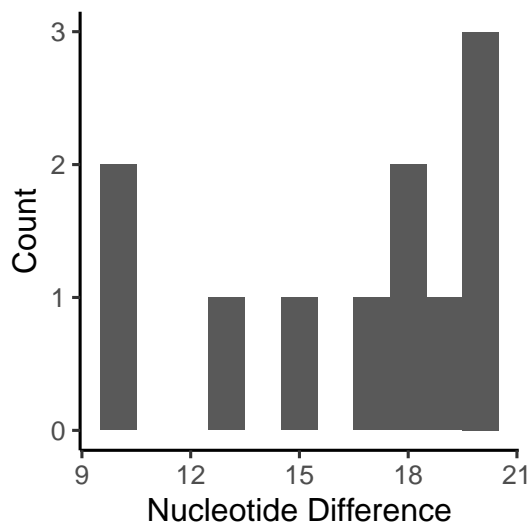
IGHV3-66*04

35 sequences assigned
14 (40%) exact matches, in which:
14 unique CDR3
3 unique J



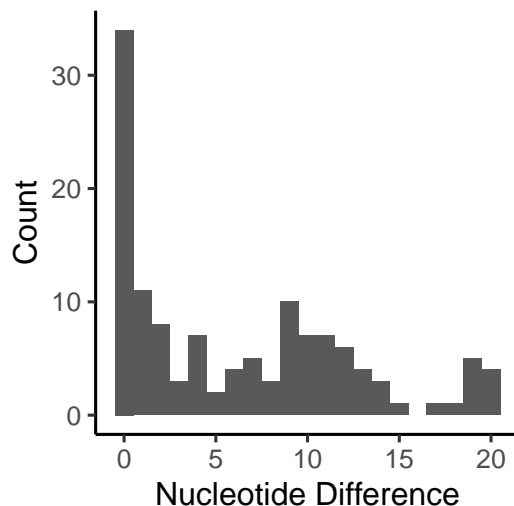
IGHV3-69-1*01

21 sequences assigned
No exact matches.



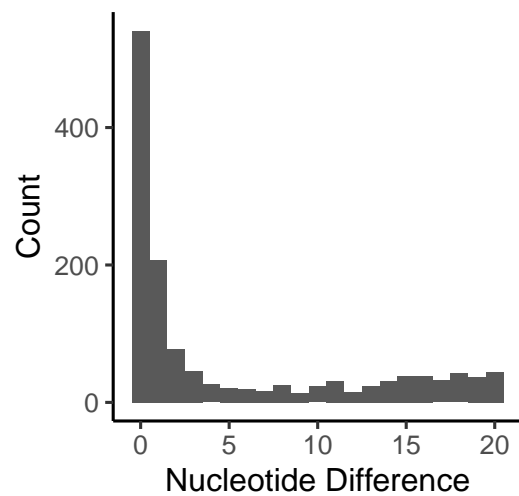
IGHV3-73*01

142 sequences assigned
34 (23.9%) exact matches, in which:
32 unique CDR3
7 unique J



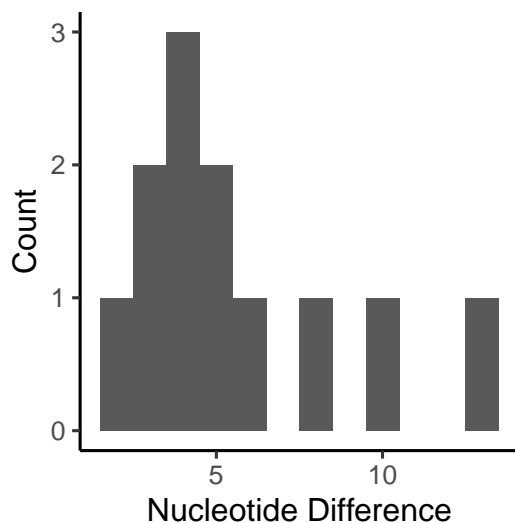
IGHV4-4*02

1680 sequences assigned
541 (32.2%) exact matches, in which:
540 unique CDR3
7 unique J



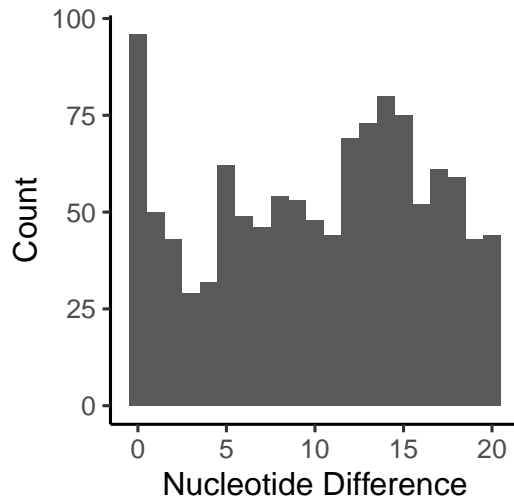
IGHV3-69-1*02

20 sequences assigned
No exact matches.



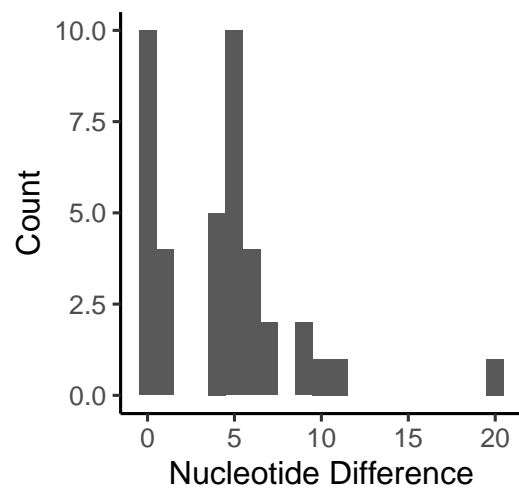
IGHV3-74*01

1461 sequences assigned
96 (6.6%) exact matches, in which:
90 unique CDR3
6 unique J



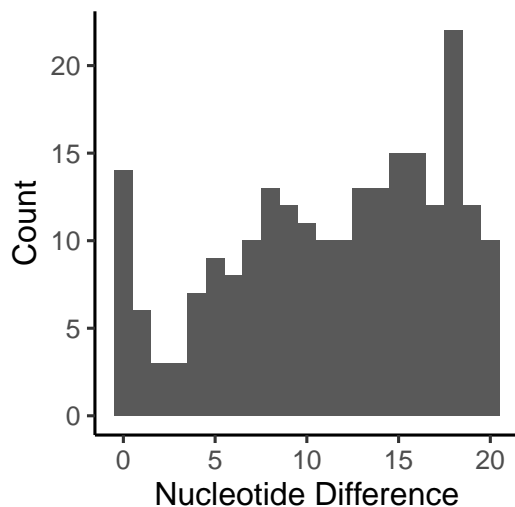
IGHV4-28*02

47 sequences assigned
10 (21.3%) exact matches, in which:
10 unique CDR3
4 unique J



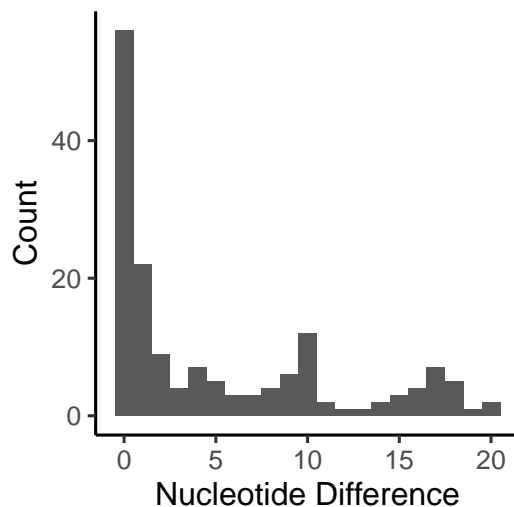
IGHV3-72*01

320 sequences assigned
14 (4.4%) exact matches, in which:
14 unique CDR3
4 unique J



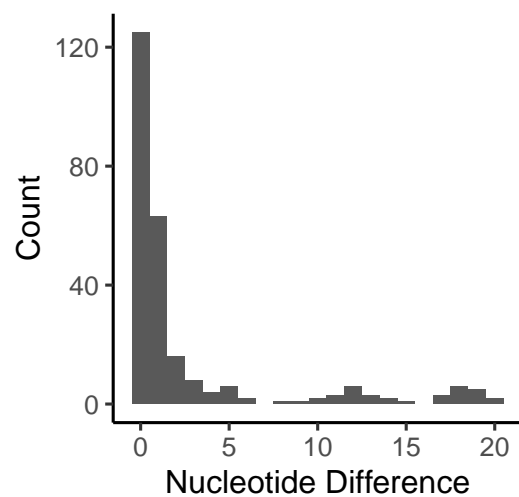
IGHV3-43D*03

221 sequences assigned
56 (25.3%) exact matches, in which:
56 unique CDR3
5 unique J



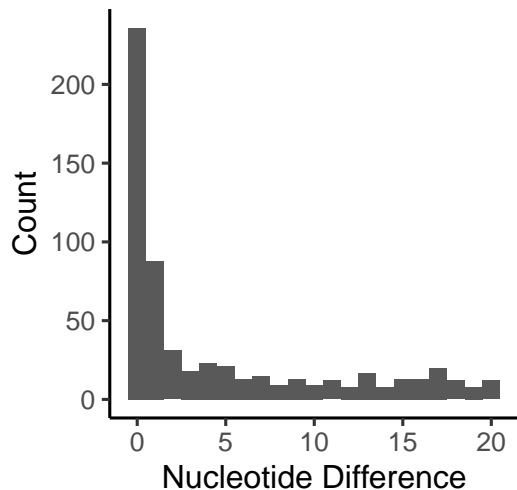
IGHV4-30-2*01

305 sequences assigned
125 (41%) exact matches, in which:
122 unique CDR3
7 unique J



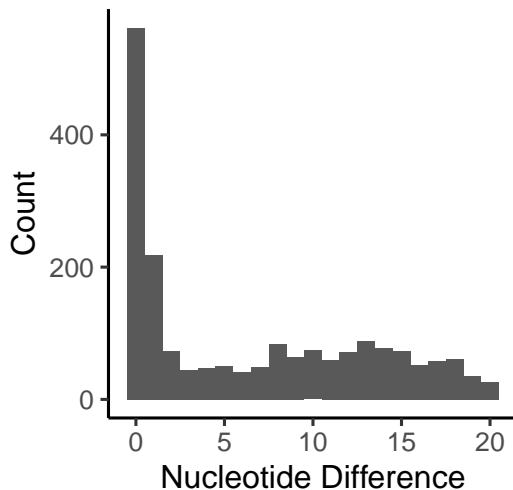
IGHV4-30-4*01

819 sequences assigned
236 (28.8%) exact matches, in which:
233 unique CDR3
6 unique J



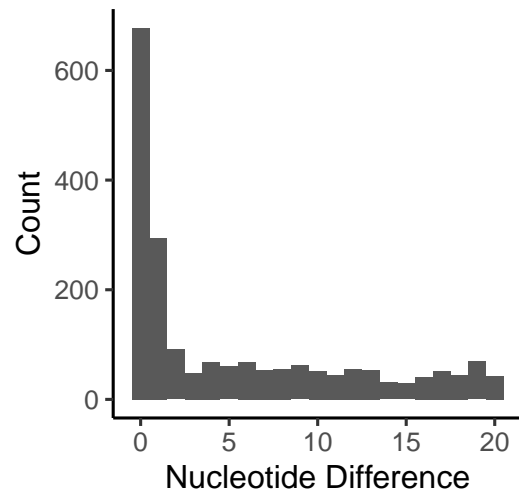
IGHV4-38-2*02

2357 sequences assigned
562 (23.8%) exact matches, in which:
553 unique CDR3
6 unique J



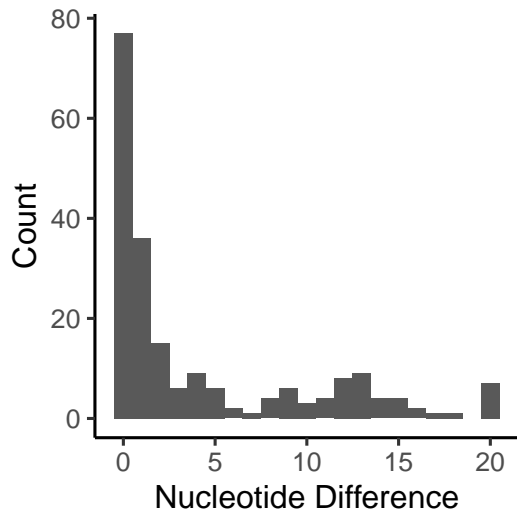
IGHV4-59*01

2426 sequences assigned
678 (27.9%) exact matches, in which:
678 unique CDR3
7 unique J



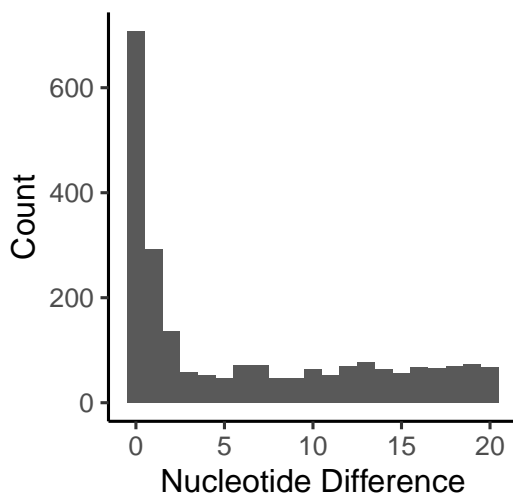
IGHV4-31*01

260 sequences assigned
77 (29.6%) exact matches, in which:
73 unique CDR3
6 unique J



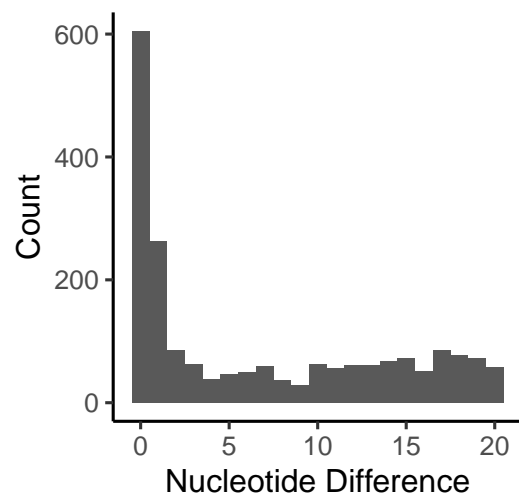
IGHV4-39*01

3014 sequences assigned
708 (23.5%) exact matches, in which:
702 unique CDR3
6 unique J



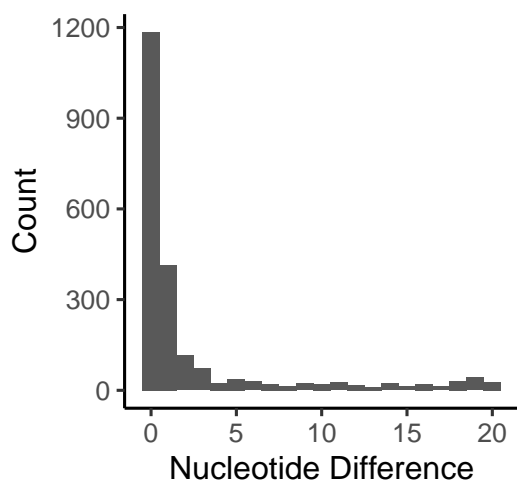
IGHV4-59*08

2493 sequences assigned
605 (24.3%) exact matches, in which:
593 unique CDR3
7 unique J



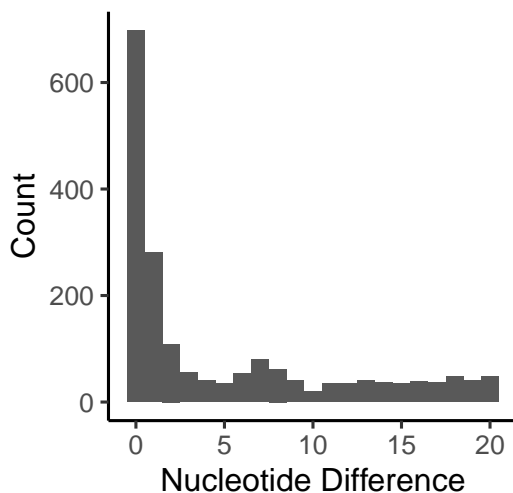
IGHV4-34*01

2510 sequences assigned
1185 (47.2%) exact matches, in which:
1176 unique CDR3
7 unique J



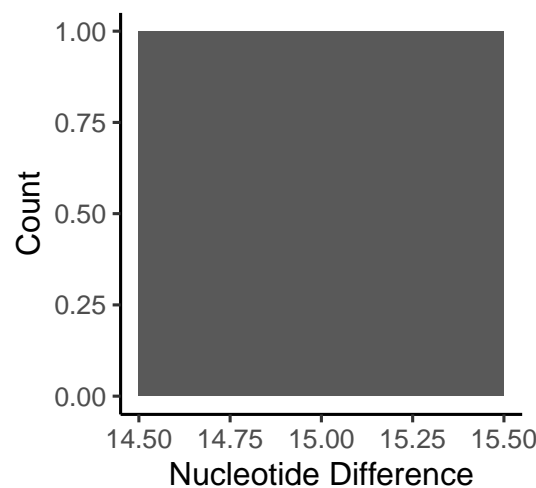
IGHV4-39*07

2522 sequences assigned
698 (27.7%) exact matches, in which:
693 unique CDR3
6 unique J



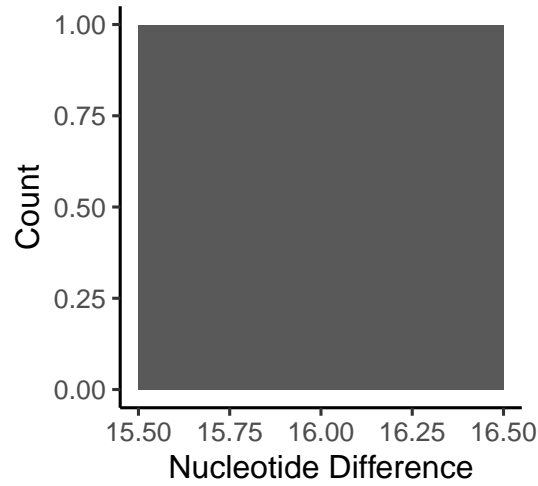
IGHV4-61*01

1 sequences assigned
No exact matches.



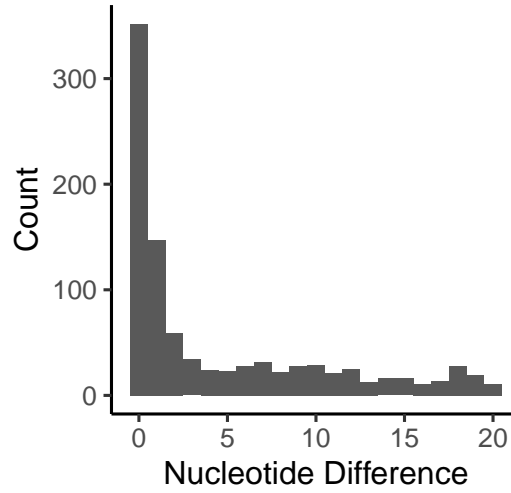
IGHV4-61*02

1 sequences assigned
No exact matches.



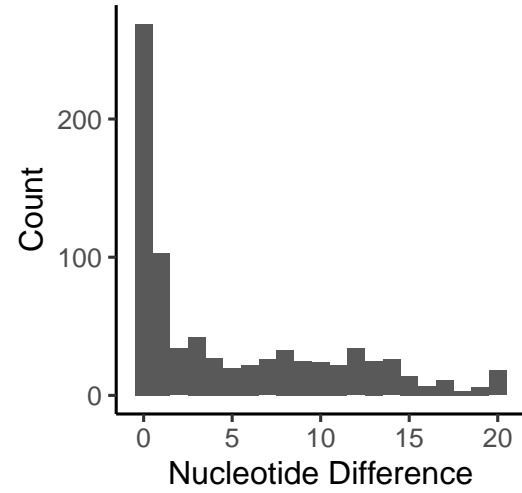
IGHV5-51*01

1128 sequences assigned
352 (31.2%) exact matches, in which:
350 unique CDR3
7 unique J



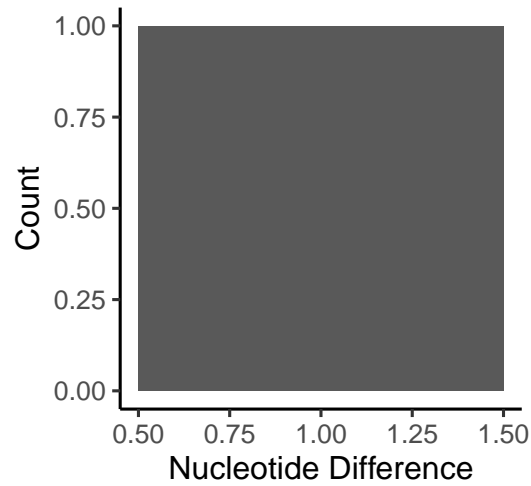
IGHV7-4-1*02

940 sequences assigned
269 (28.6%) exact matches, in which:
269 unique CDR3
6 unique J



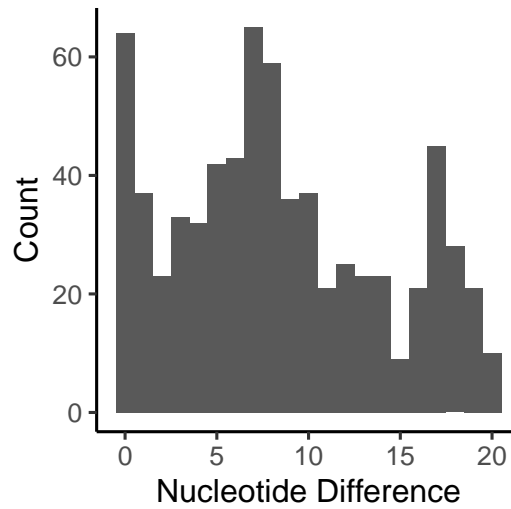
IGHV4-61*08

2 sequences assigned
No exact matches.



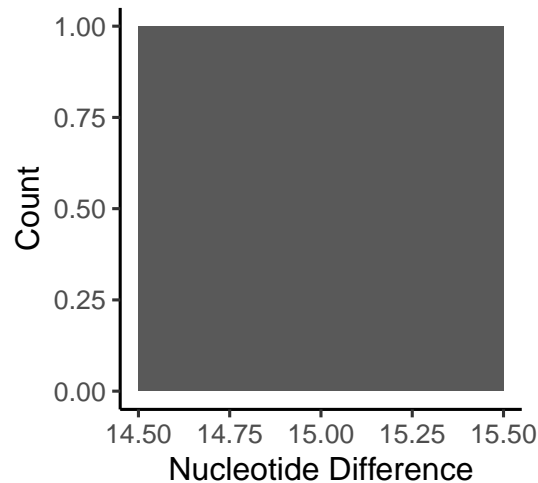
IGHV6-1*01

793 sequences assigned
64 (8.1%) exact matches, in which:
63 unique CDR3
6 unique J



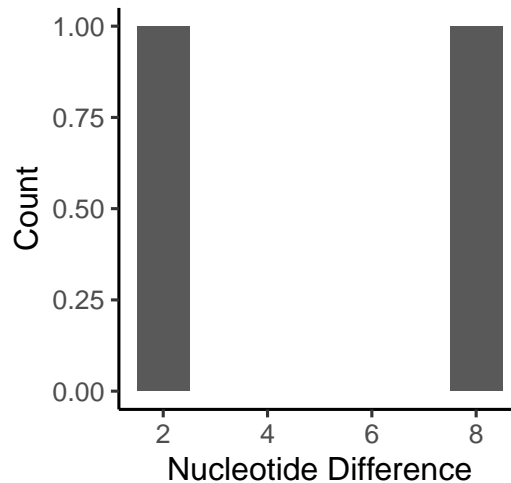
IGHV4/OR15-8*01

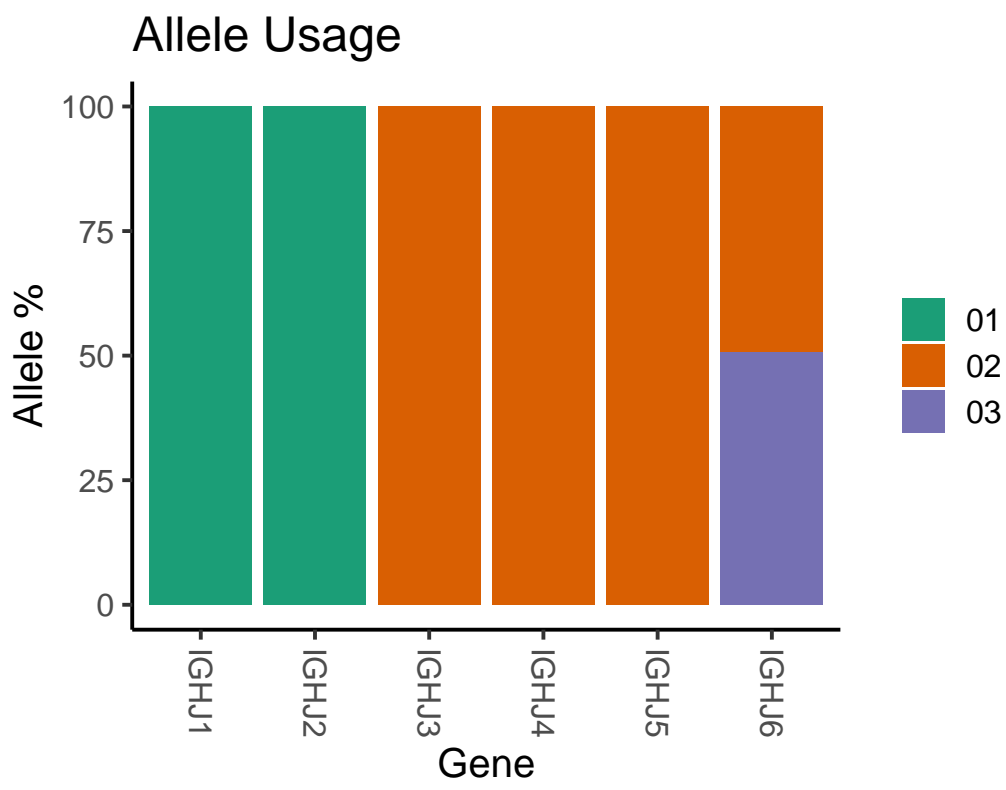
1 sequences assigned
No exact matches.



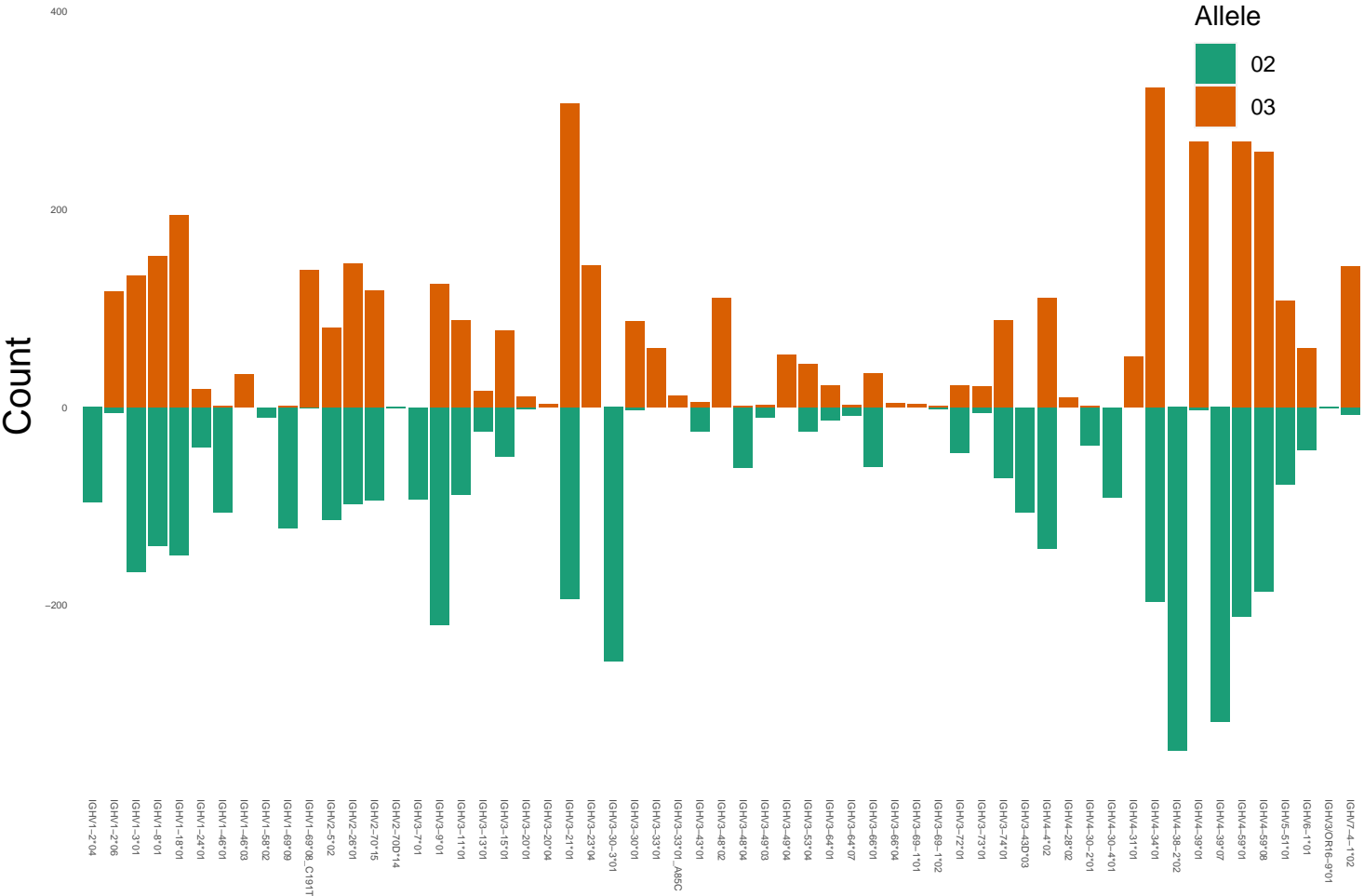
IGHV3/OR16-9*01

2 sequences assigned
No exact matches.





Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.