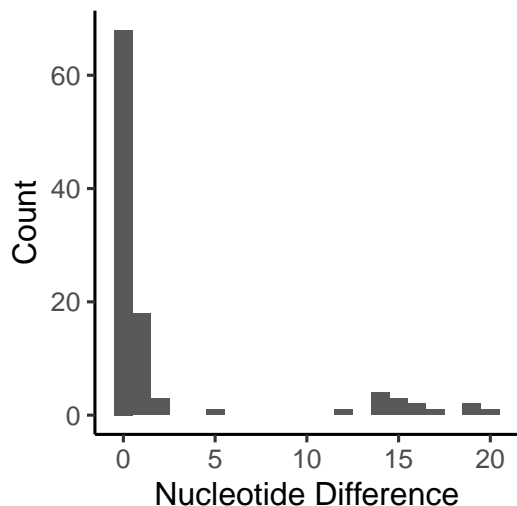


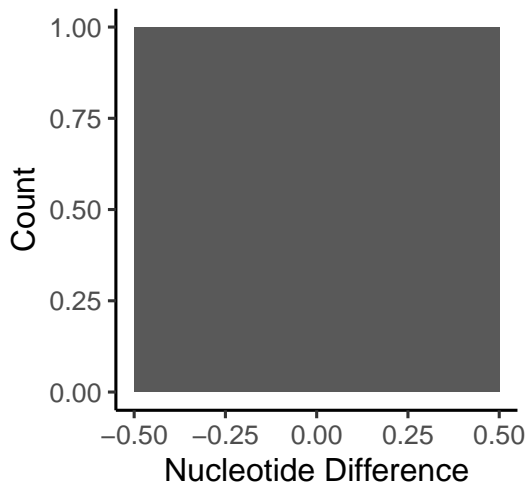
IGHV1-2*04

118 sequences assigned
68 (57.6%) exact matches, in which:
68 unique CDR3
6 unique J



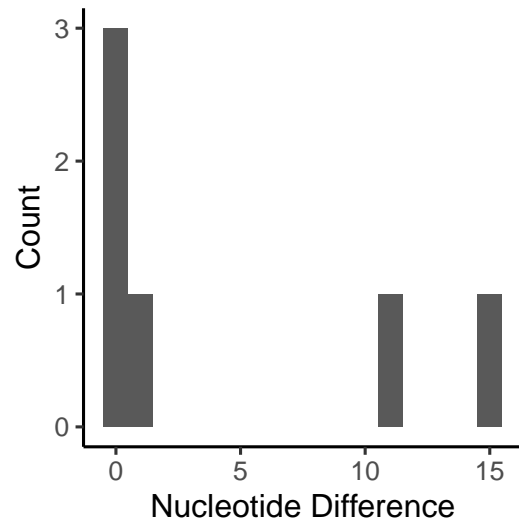
IGHV1-8*01

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



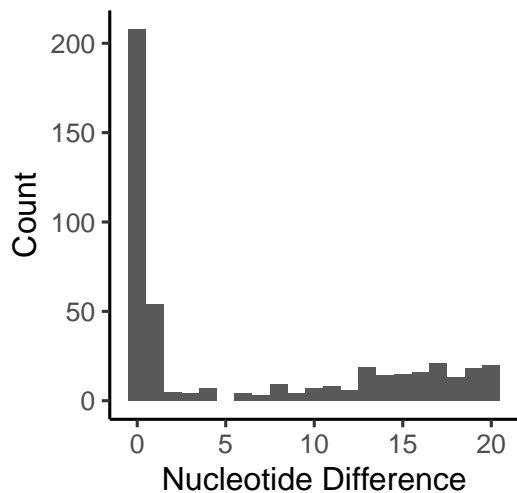
IGHV1-45*02

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



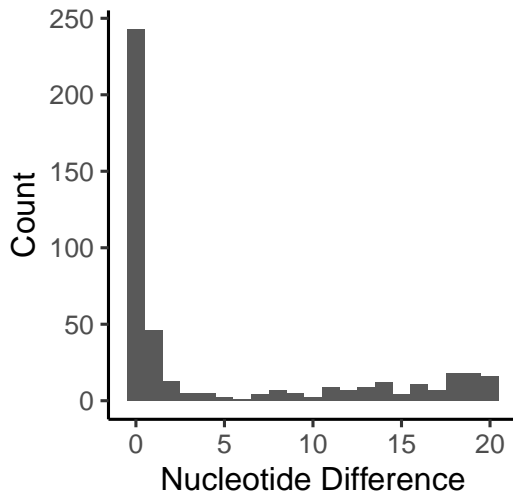
IGHV1-2*06

754 sequences assigned
208 (27.6%) exact matches, in which:
208 unique CDR3
6 unique J



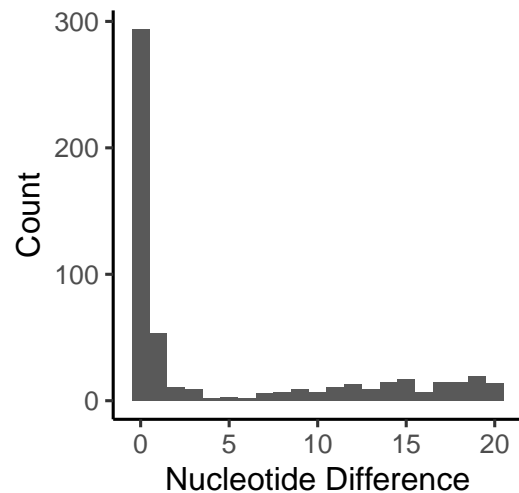
IGHV1-18*01

729 sequences assigned
243 (33.3%) exact matches, in which:
243 unique CDR3
7 unique J



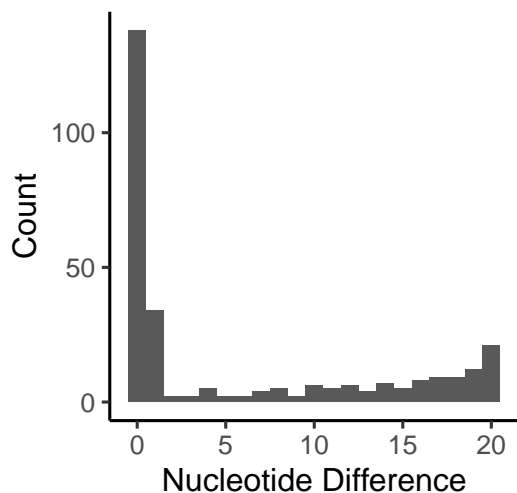
IGHV1-46*01

877 sequences assigned
294 (33.5%) exact matches, in which:
294 unique CDR3
7 unique J



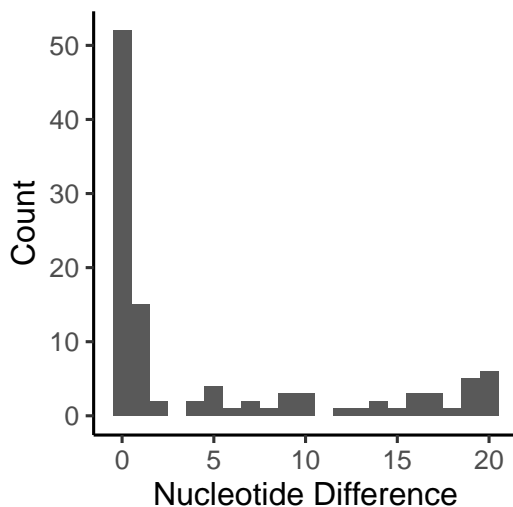
IGHV1-3*01

518 sequences assigned
138 (26.6%) exact matches, in which:
138 unique CDR3
6 unique J



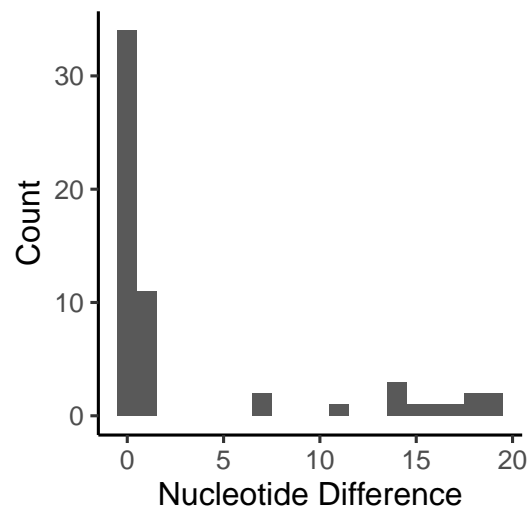
IGHV1-24*01

134 sequences assigned
52 (38.8%) exact matches, in which:
52 unique CDR3
7 unique J



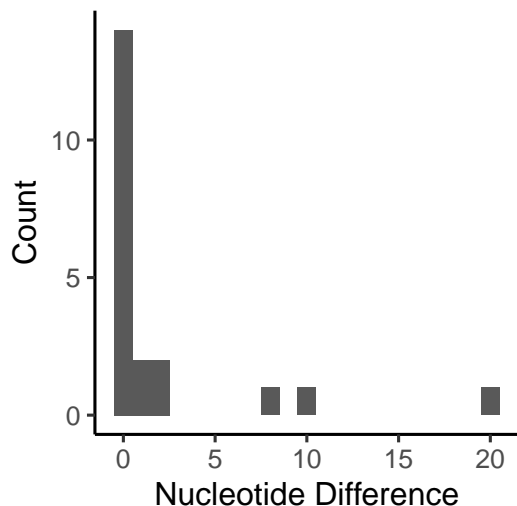
IGHV1-58*01

81 sequences assigned
34 (42%) exact matches, in which:
34 unique CDR3
5 unique J



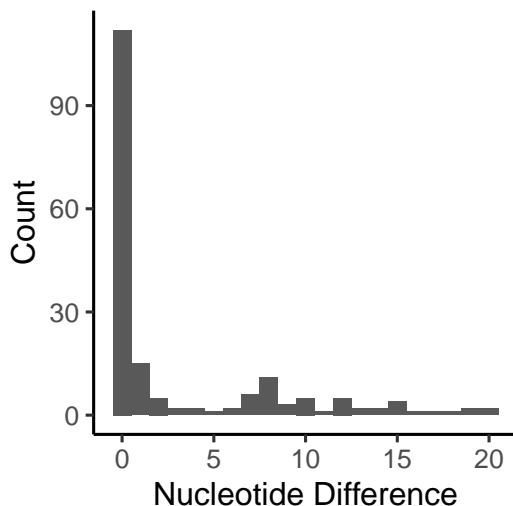
IGHV1-69-2*01

29 sequences assigned
14 (48.3%) exact matches, in which:
14 unique CDR3
4 unique J



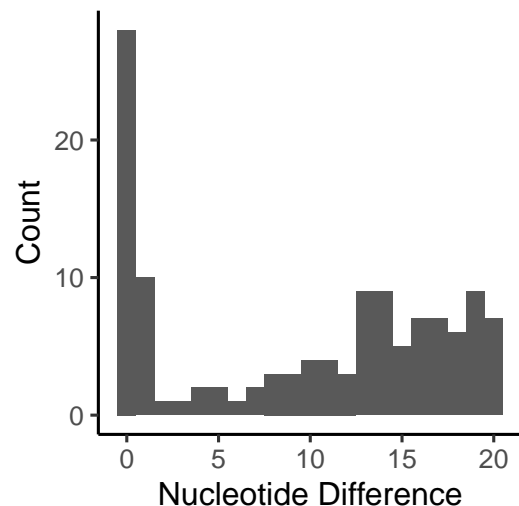
IGHV2-26*01

199 sequences assigned
112 (56.3%) exact matches, in which:
112 unique CDR3
7 unique J



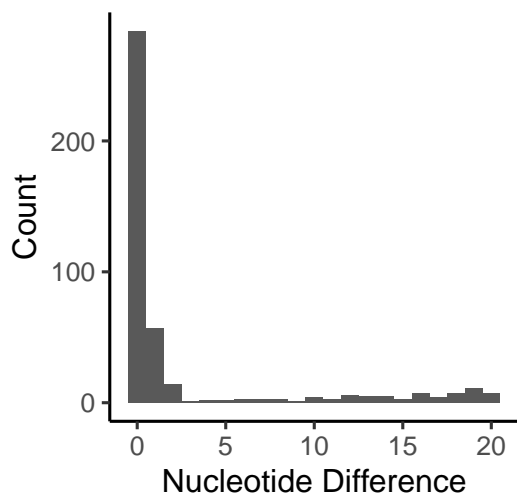
IGHV3-7*04

196 sequences assigned
28 (14.3%) exact matches, in which:
28 unique CDR3
4 unique J



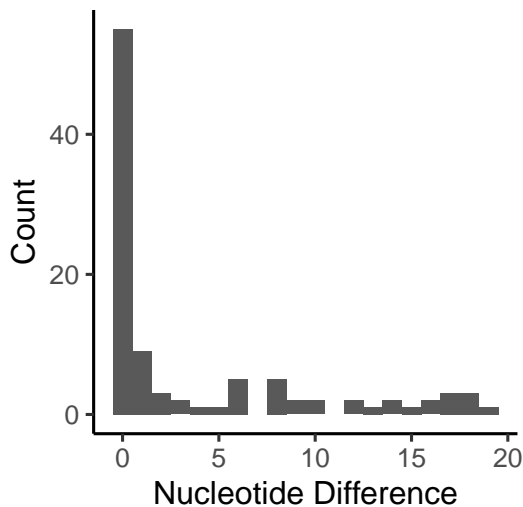
IGHV1-69*06

593 sequences assigned
284 (47.9%) exact matches, in which:
284 unique CDR3
6 unique J



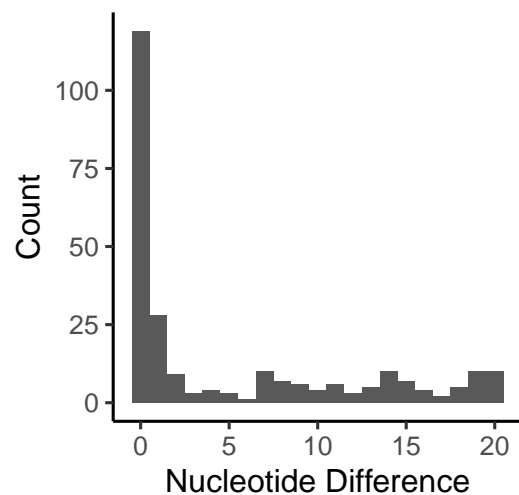
IGHV2-70*01

150 sequences assigned
55 (36.7%) exact matches, in which:
55 unique CDR3
6 unique J



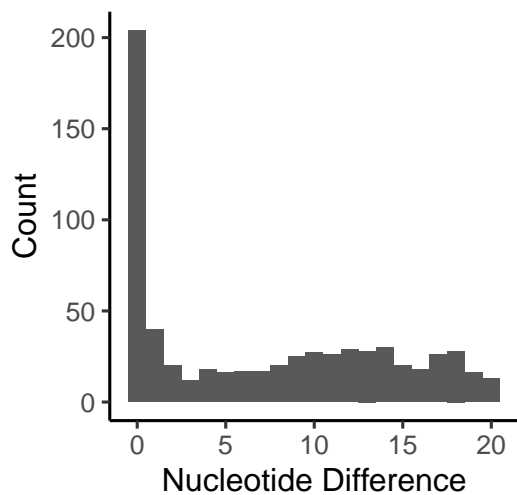
IGHV3-11*05

401 sequences assigned
119 (29.7%) exact matches, in which:
119 unique CDR3
5 unique J



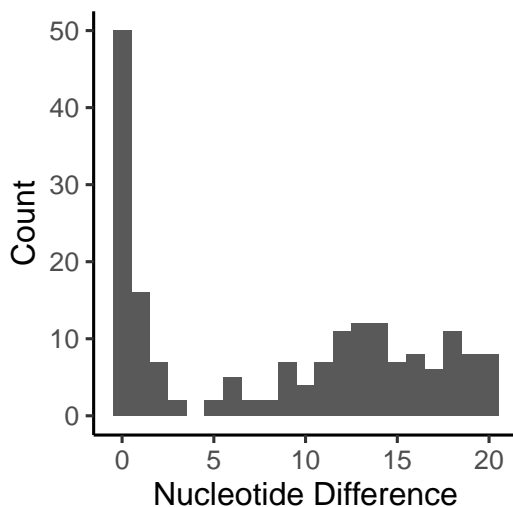
IGHV2-5*02

944 sequences assigned
204 (21.6%) exact matches, in which:
204 unique CDR3
7 unique J



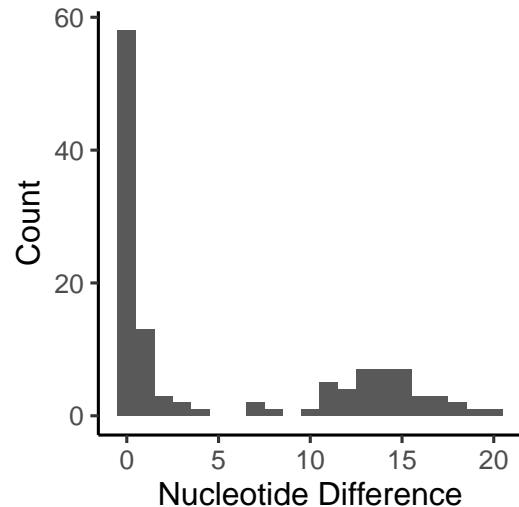
IGHV3-7*01

270 sequences assigned
50 (18.5%) exact matches, in which:
50 unique CDR3
6 unique J



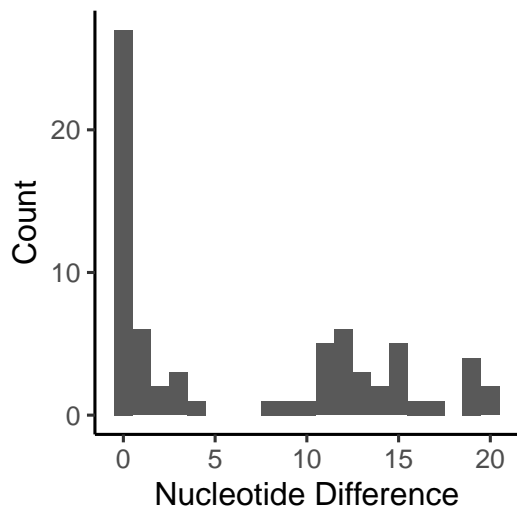
IGHV3-11*06

212 sequences assigned
58 (27.4%) exact matches, in which:
58 unique CDR3
5 unique J



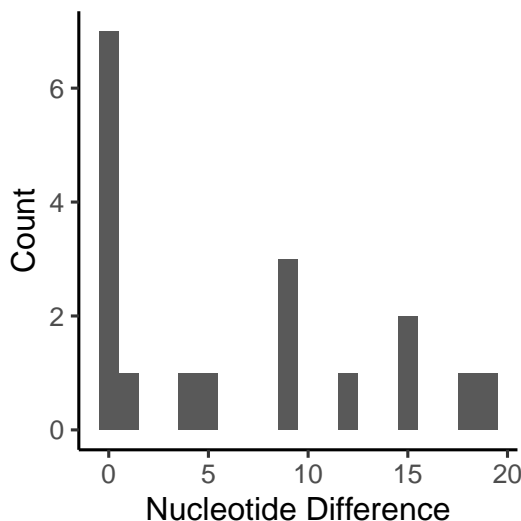
IGHV3-13*04

86 sequences assigned
27 (31.4%) exact matches, in which:
27 unique CDR3
5 unique J



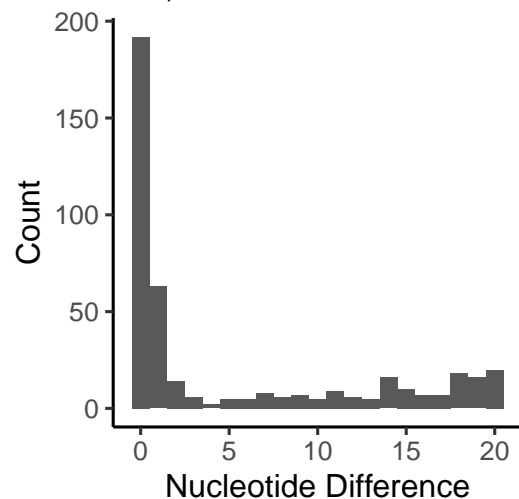
IGHV3-20*01

20 sequences assigned
7 (35%) exact matches, in which:
7 unique CDR3
3 unique J



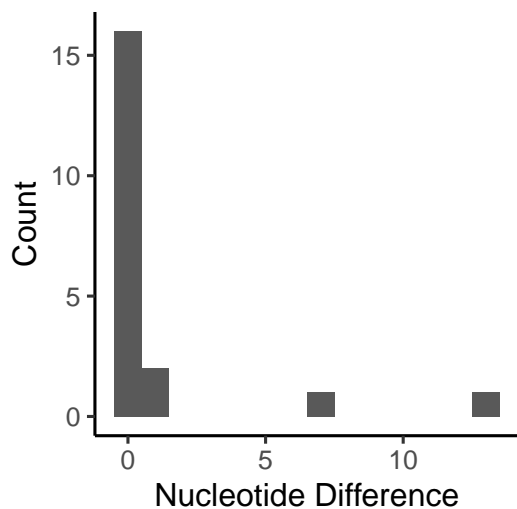
IGHV3-30-3*01

636 sequences assigned
192 (30.2%) exact matches, in which:
192 unique CDR3
6 unique J



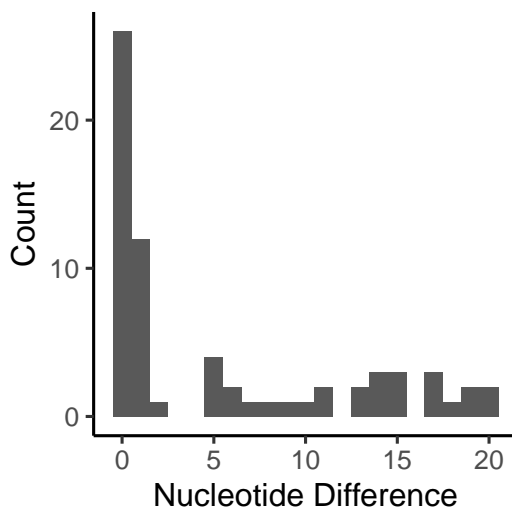
IGHV3-13*05

21 sequences assigned
16 (76.2%) exact matches, in which:
16 unique CDR3
5 unique J



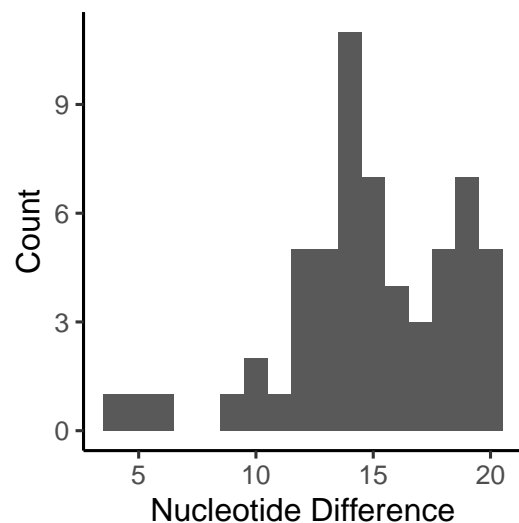
IGHV3-20*04

133 sequences assigned
26 (19.5%) exact matches, in which:
26 unique CDR3
5 unique J



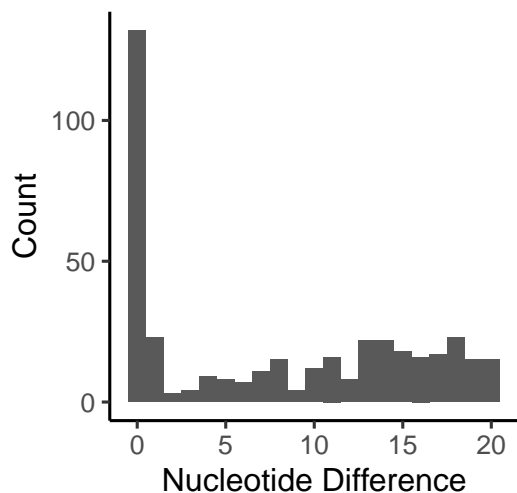
IGHV3-30*04

135 sequences assigned
No exact matches.



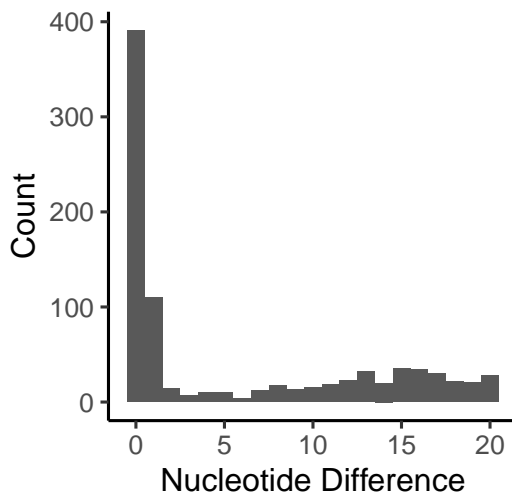
IGHV3-15*01

612 sequences assigned
132 (21.6%) exact matches, in which:
132 unique CDR3
7 unique J



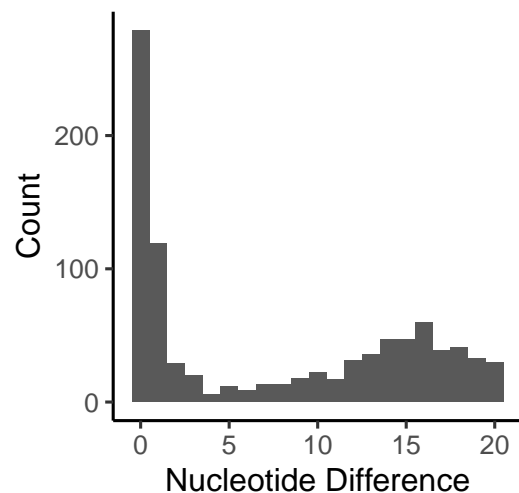
IGHV3-21*01

1227 sequences assigned
391 (31.9%) exact matches, in which:
391 unique CDR3
7 unique J



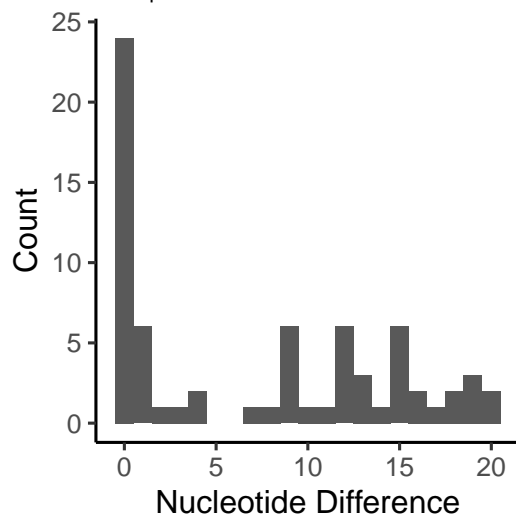
IGHV3-33*01

1492 sequences assigned
279 (18.7%) exact matches, in which:
277 unique CDR3
7 unique J



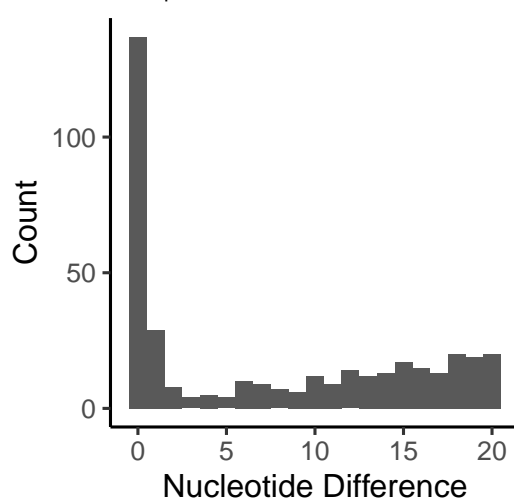
IGHV3-43*01

121 sequences assigned
24 (19.8%) exact matches, in which:
24 unique CDR3
6 unique J



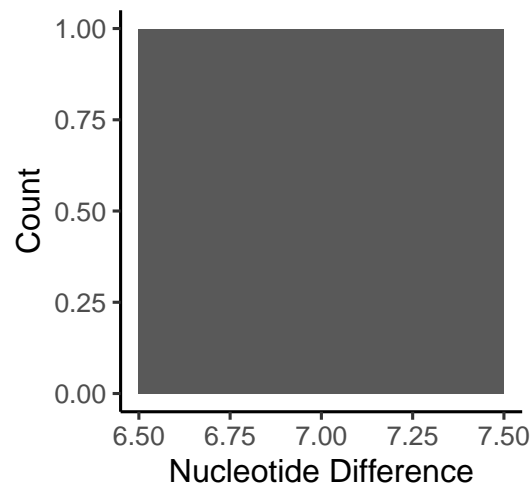
IGHV3-53*01

610 sequences assigned
137 (22.5%) exact matches, in which:
137 unique CDR3
7 unique J



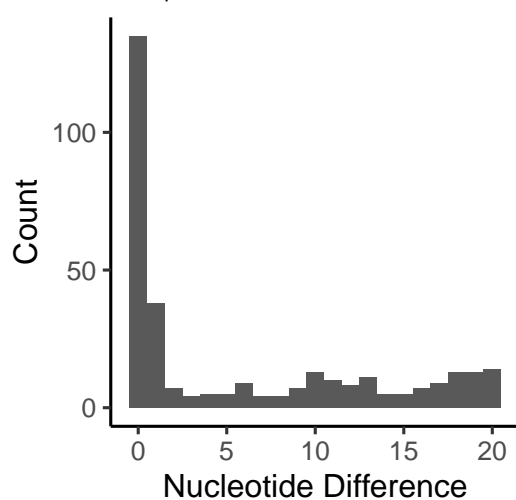
IGHV3-69-1*01

1 sequences assigned
No exact matches.



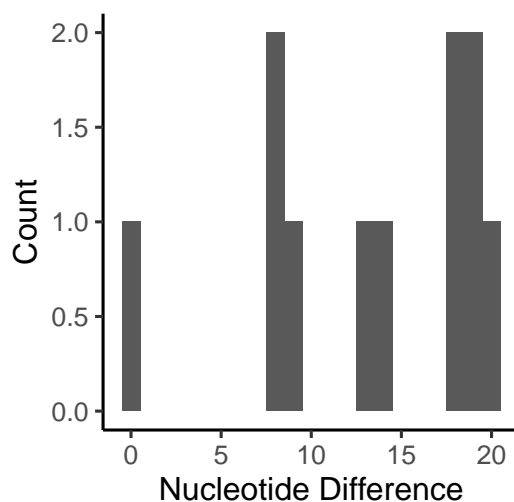
IGHV3-48*02

478 sequences assigned
135 (28.2%) exact matches, in which:
135 unique CDR3
7 unique J



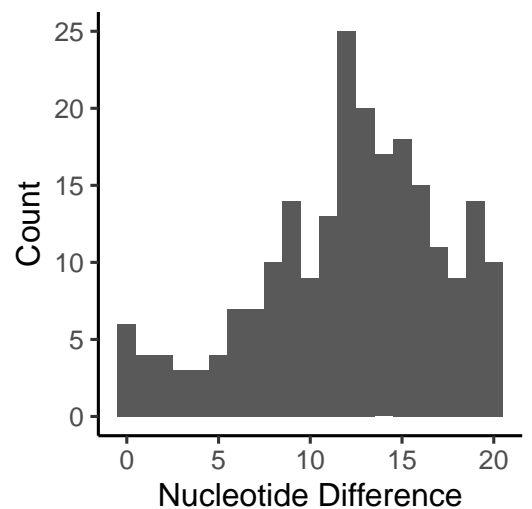
IGHV3-64*02

15 sequences assigned
1 (6.7%) exact matches, in which:
1 unique CDR3
1 unique J



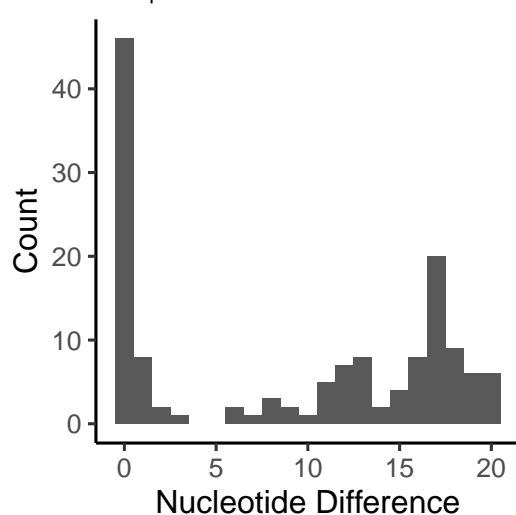
IGHV3-72*01

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



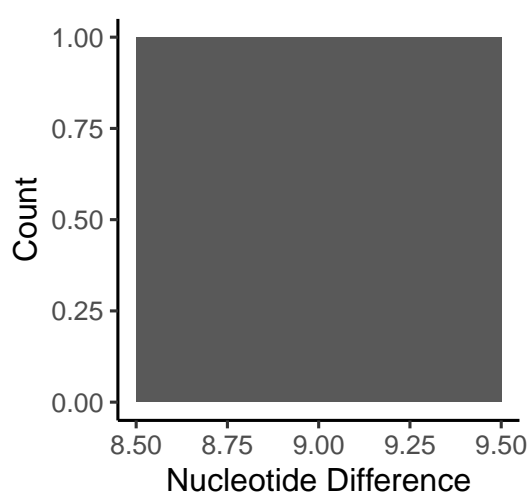
IGHV3-49*05

281 sequences assigned
46 (16.4%) exact matches, in which:
46 unique CDR3
7 unique J



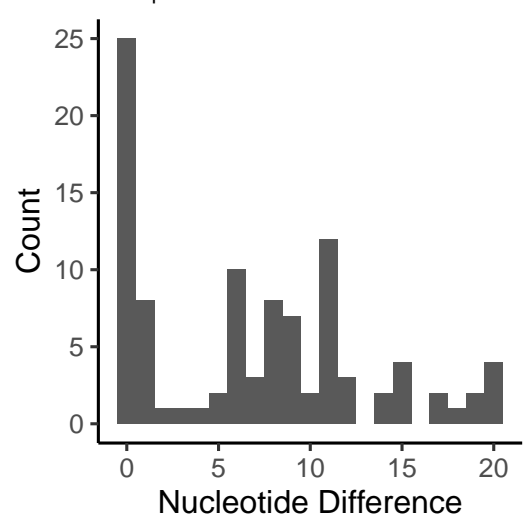
IGHV3-66*03

1 sequences assigned
No exact matches.



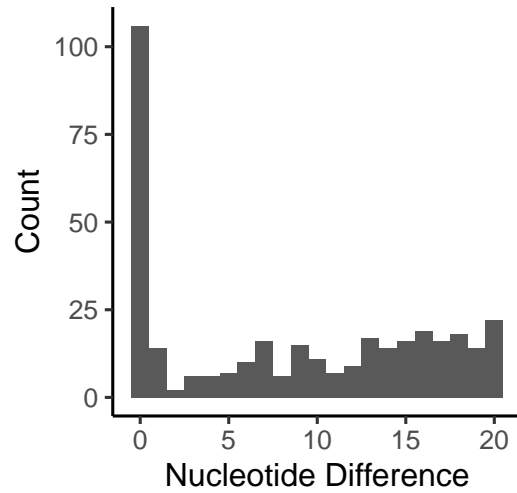
IGHV3-73*02

153 sequences assigned
25 (16.3%) exact matches, in which:
25 unique CDR3
5 unique J



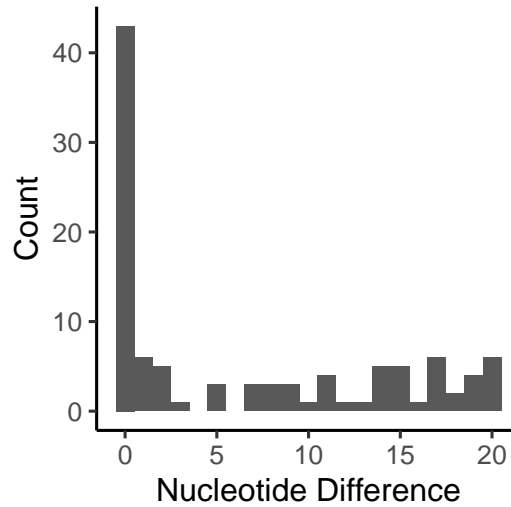
IGHV3-74*01

617 sequences assigned
106 (17.2%) exact matches, in which:
106 unique CDR3
7 unique J



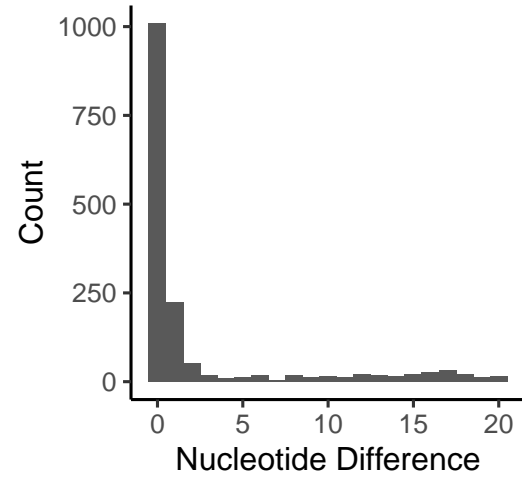
IGHV4-30-4*01

175 sequences assigned
43 (24.6%) exact matches, in which:
43 unique CDR3
6 unique J



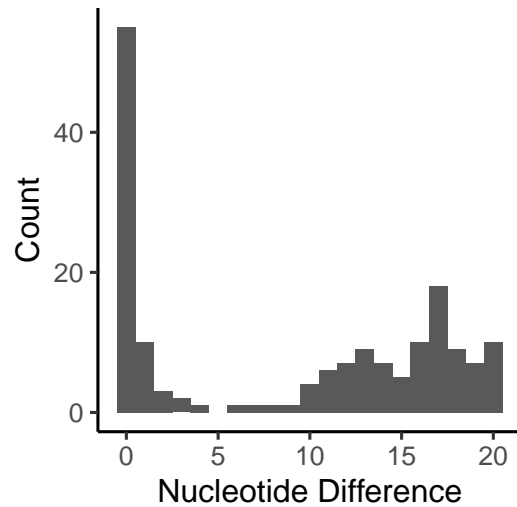
IGHV4-34*01

2036 sequences assigned
1009 (49.6%) exact matches, in which:
1007 unique CDR3
7 unique J



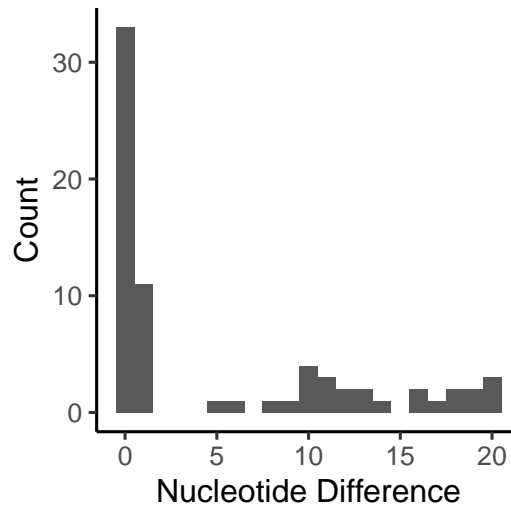
IGHV3-64D*06

281 sequences assigned
55 (19.6%) exact matches, in which:
55 unique CDR3
7 unique J



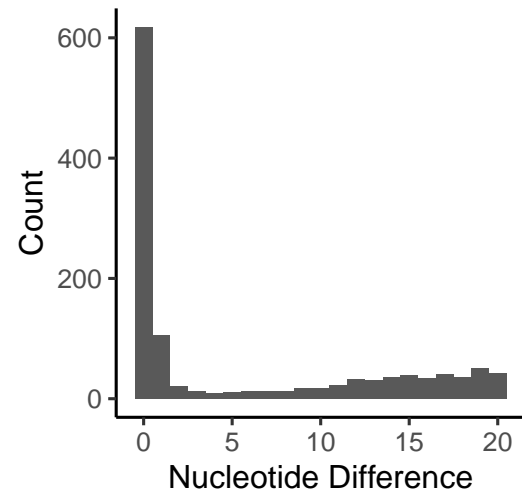
IGHV4-30-2*01

120 sequences assigned
33 (27.5%) exact matches, in which:
33 unique CDR3
7 unique J



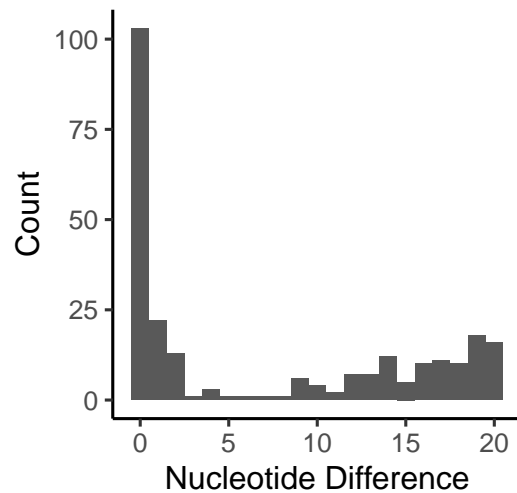
IGHV4-39*01

2081 sequences assigned
618 (29.7%) exact matches, in which:
617 unique CDR3
7 unique J



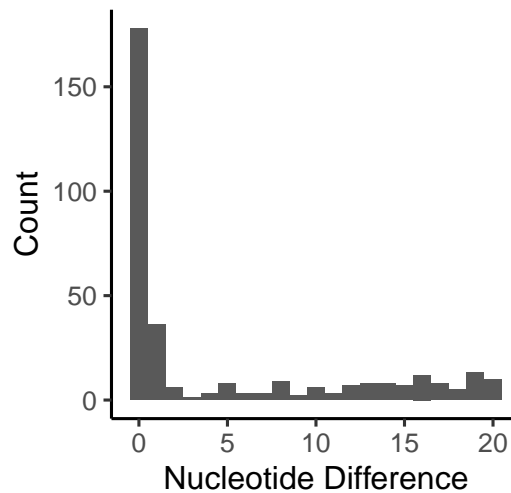
IGHV4-4*02

434 sequences assigned
103 (23.7%) exact matches, in which:
103 unique CDR3
7 unique J



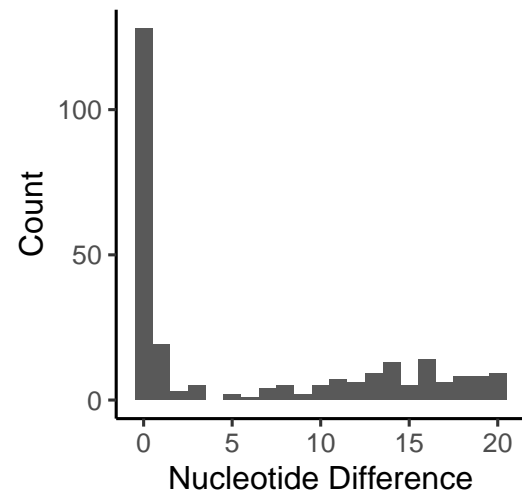
IGHV4-31*03

558 sequences assigned
178 (31.9%) exact matches, in which:
178 unique CDR3
7 unique J



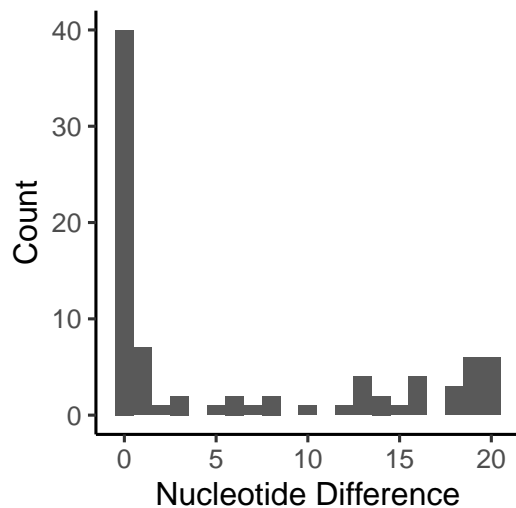
IGHV4-59*01

498 sequences assigned
128 (25.7%) exact matches, in which:
128 unique CDR3
7 unique J



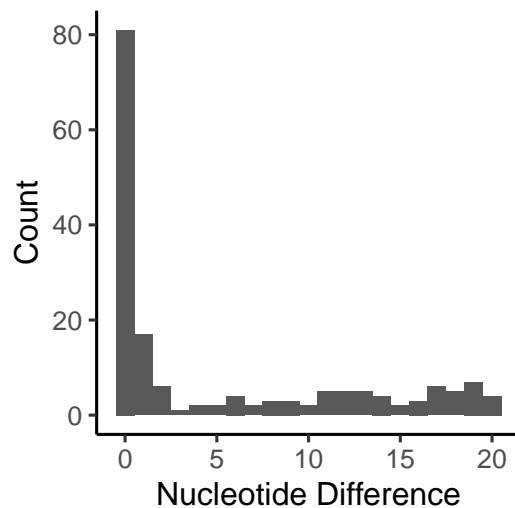
IGHV4-61*01

136 sequences assigned
40 (29.4%) exact matches, in which:
40 unique CDR3
6 unique J



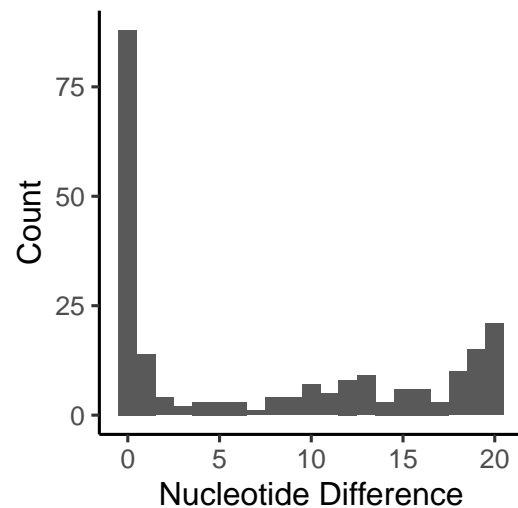
IGHV5-10-1*03

264 sequences assigned
81 (30.7%) exact matches, in which:
81 unique CDR3
6 unique J



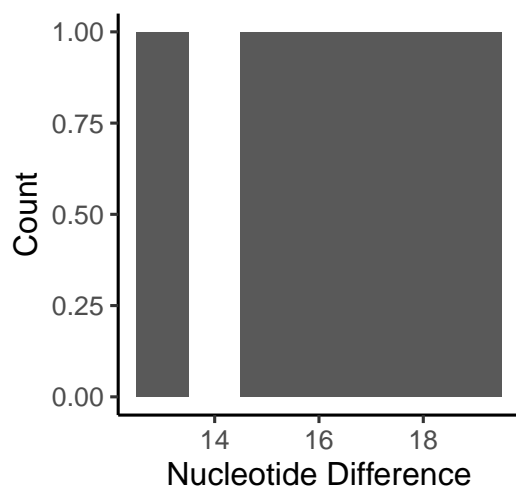
IGHV7-4-1*02

297 sequences assigned
88 (29.6%) exact matches, in which:
88 unique CDR3
6 unique J



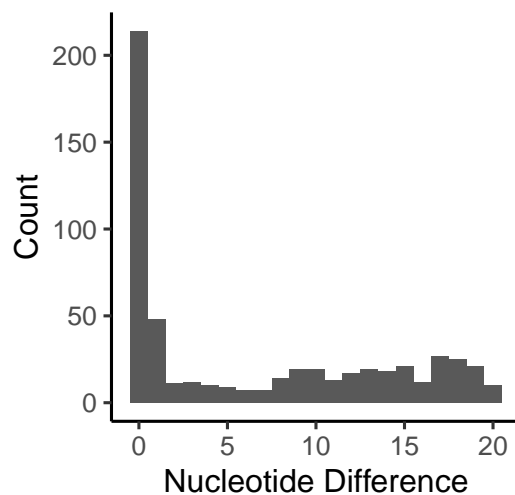
IGHV4-61*08

35 sequences assigned
No exact matches.



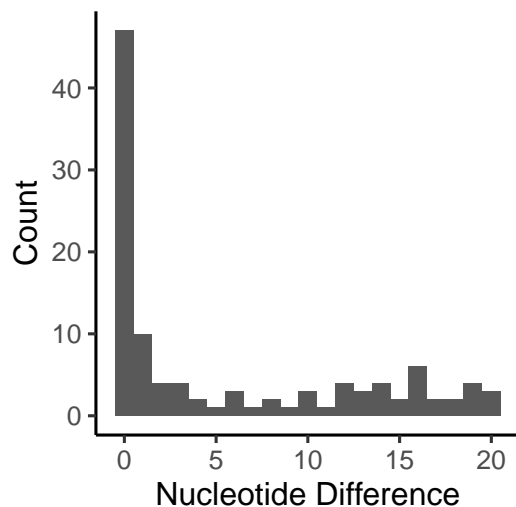
IGHV5-51*01

783 sequences assigned
214 (27.3%) exact matches, in which:
214 unique CDR3
7 unique J



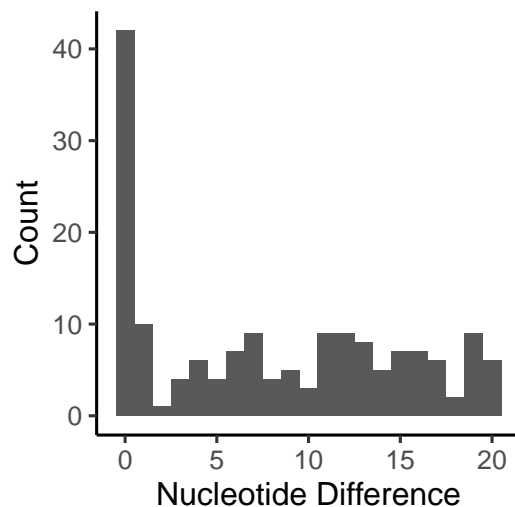
IGHV5-10-1*01

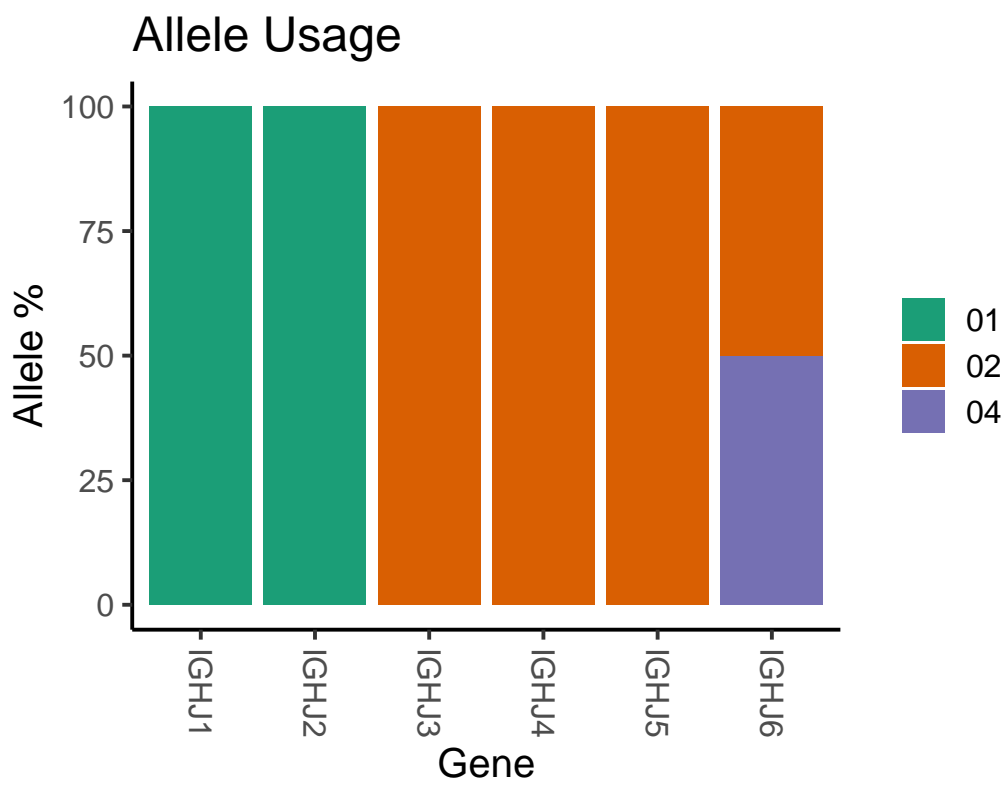
148 sequences assigned
47 (31.8%) exact matches, in which:
47 unique CDR3
6 unique J



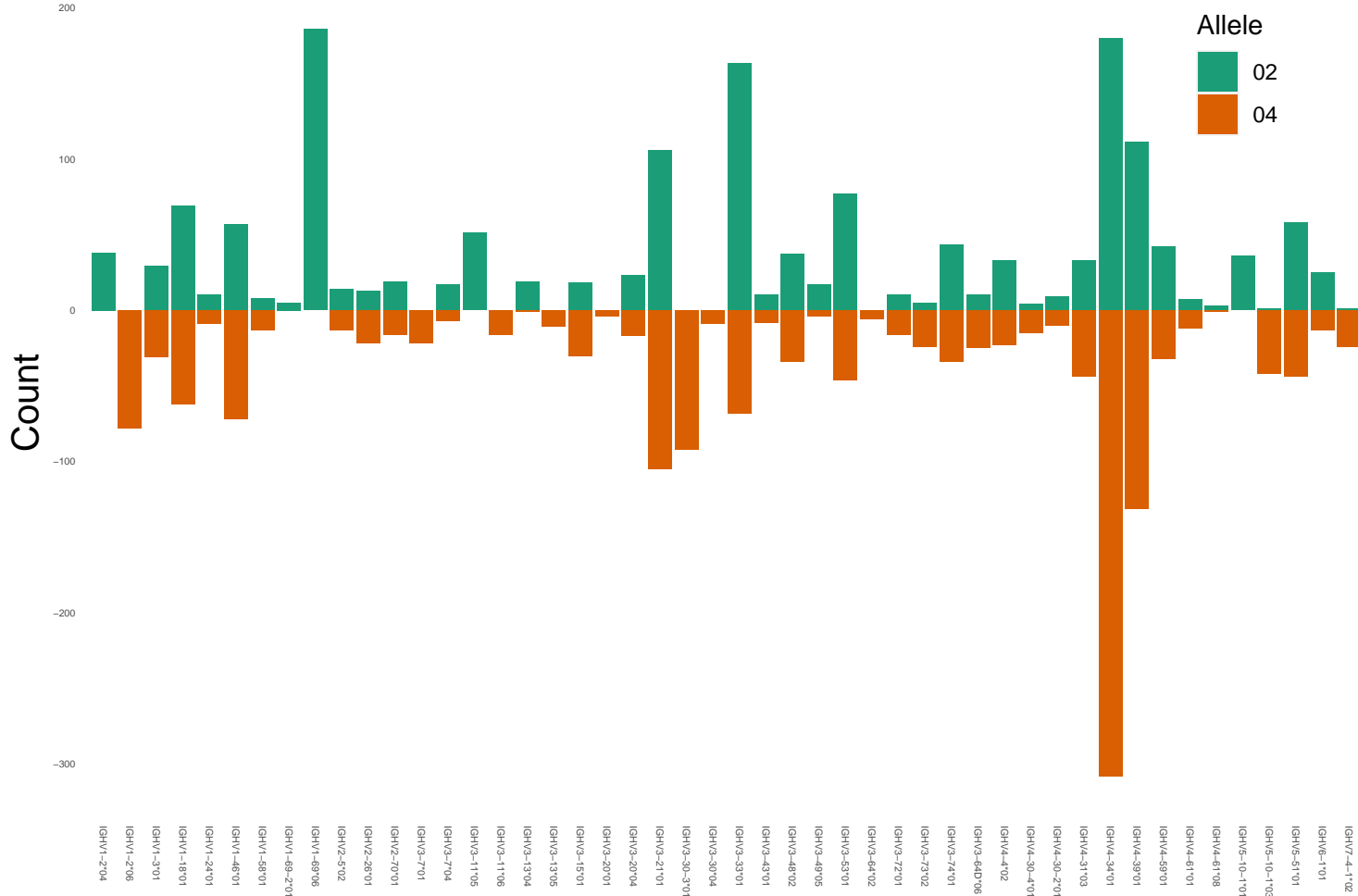
IGHV6-1*01

220 sequences assigned
42 (19.1%) exact matches, in which:
42 unique CDR3
6 unique J





Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.