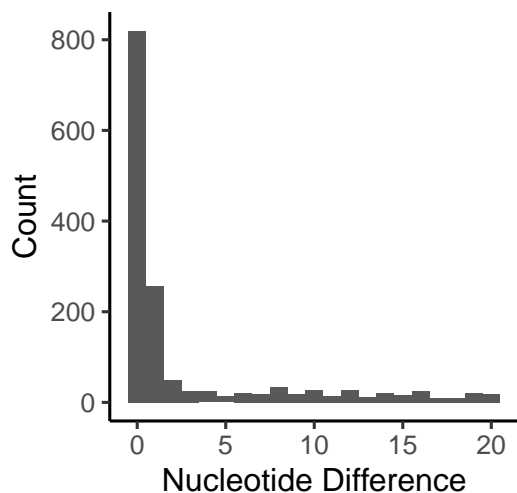


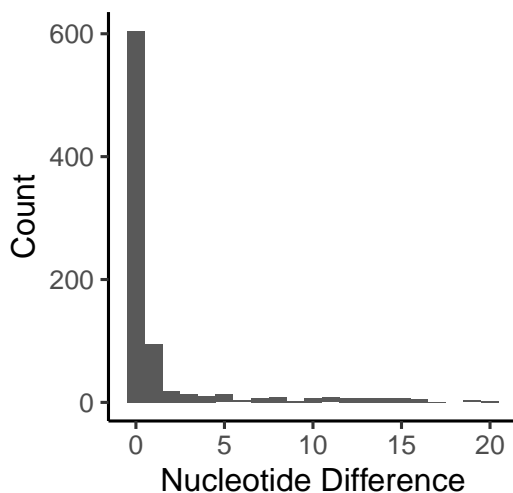
IGHV1-2*02

1824 sequences assigned
820 (45%) exact matches, in which:
808 unique CDR3
6 unique J



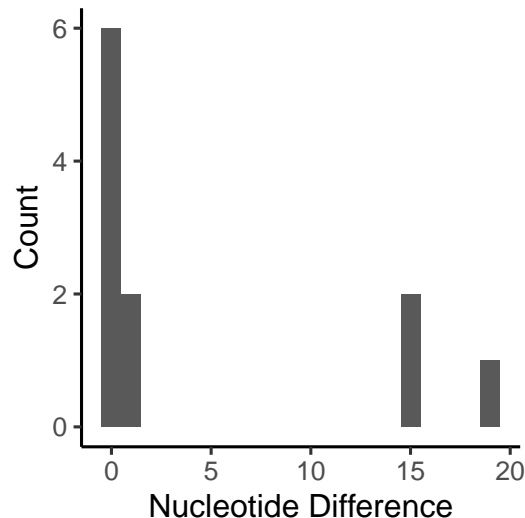
IGHV1-8*01

934 sequences assigned
605 (64.8%) exact matches, in which:
598 unique CDR3
7 unique J



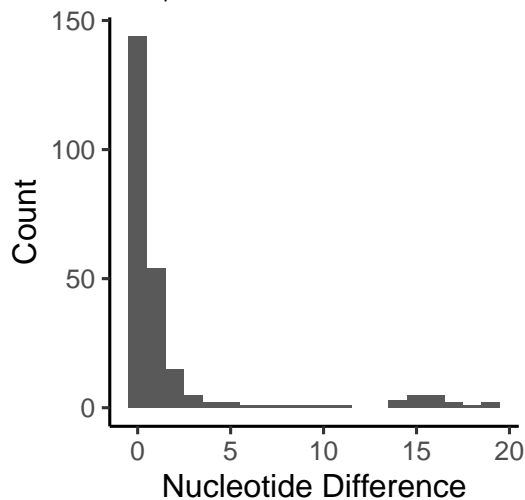
IGHV1-45*02

45 sequences assigned
6 (13.3%) exact matches, in which:
6 unique CDR3
3 unique J



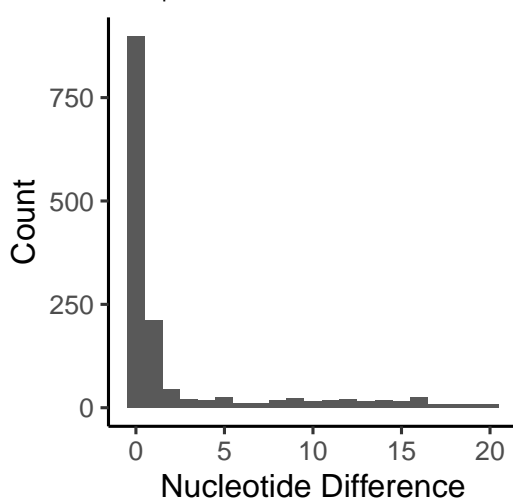
IGHV1-2*04

248 sequences assigned
144 (58.1%) exact matches, in which:
141 unique CDR3
6 unique J



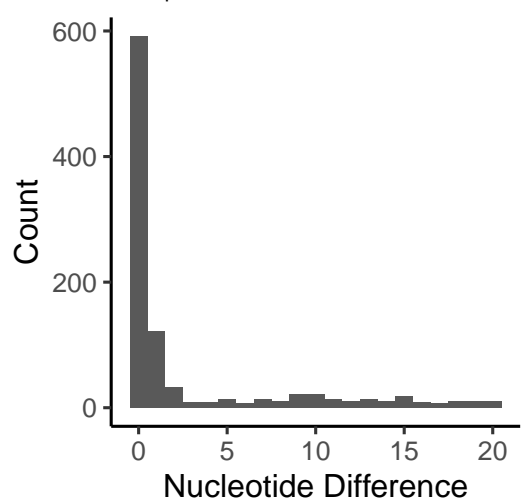
IGHV1-18*01

1633 sequences assigned
899 (55.1%) exact matches, in which:
890 unique CDR3
7 unique J



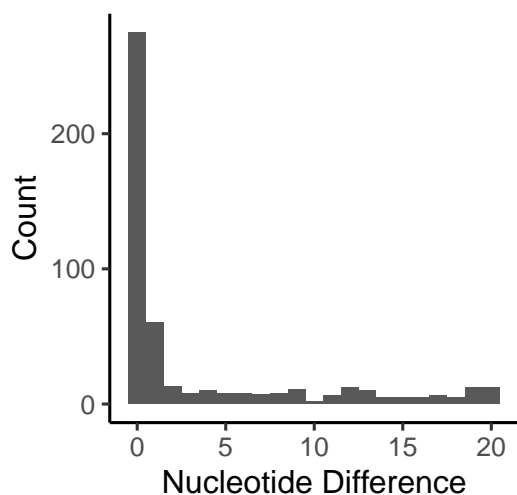
IGHV1-46*01

1197 sequences assigned
592 (49.5%) exact matches, in which:
583 unique CDR3
7 unique J



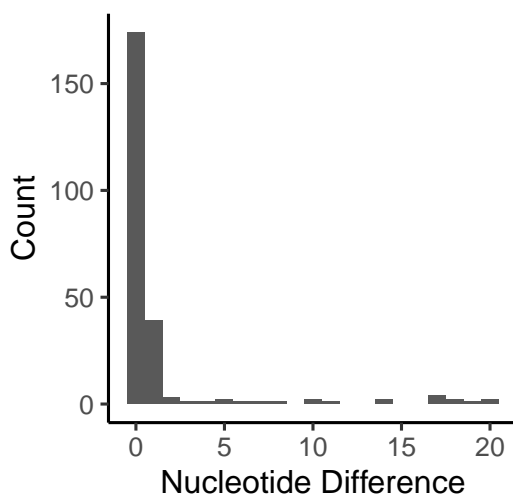
IGHV1-3*01

687 sequences assigned
275 (40%) exact matches, in which:
273 unique CDR3
6 unique J



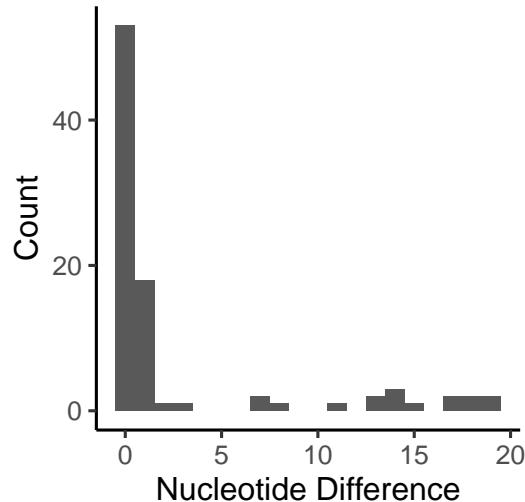
IGHV1-24*01

247 sequences assigned
174 (70.4%) exact matches, in which:
172 unique CDR3
7 unique J



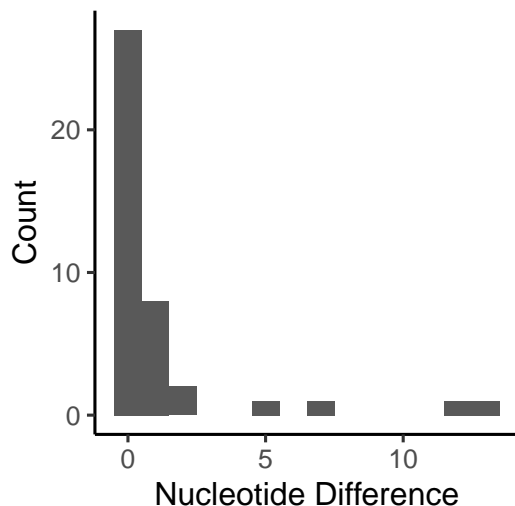
IGHV1-58*01

98 sequences assigned
53 (54.1%) exact matches, in which:
53 unique CDR3
5 unique J



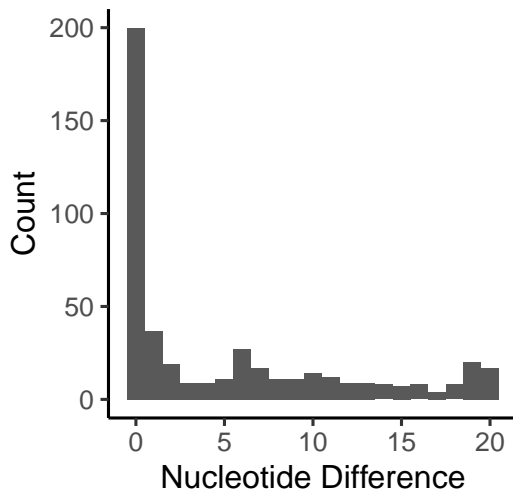
IGHV1-58*02

41 sequences assigned
27 (65.9%) exact matches, in which:
27 unique CDR3
5 unique J



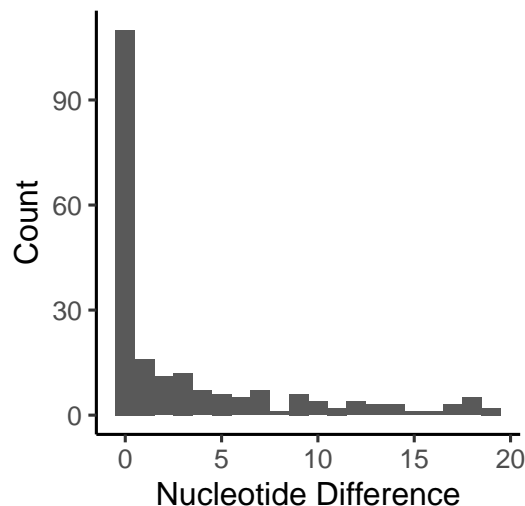
IGHV2-5*02

803 sequences assigned
200 (24.9%) exact matches, in which:
196 unique CDR3
6 unique J



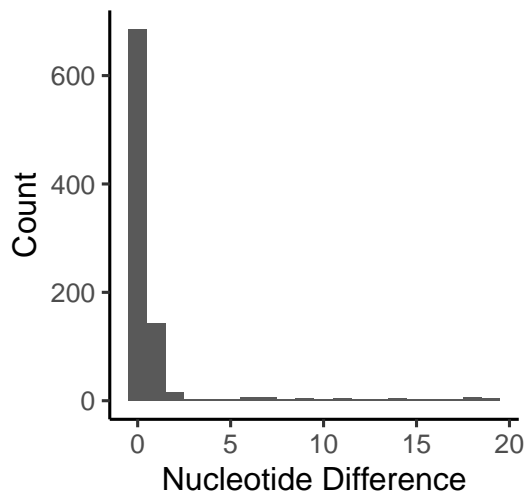
IGHV2-70*15

216 sequences assigned
110 (50.9%) exact matches, in which:
108 unique CDR3
5 unique J



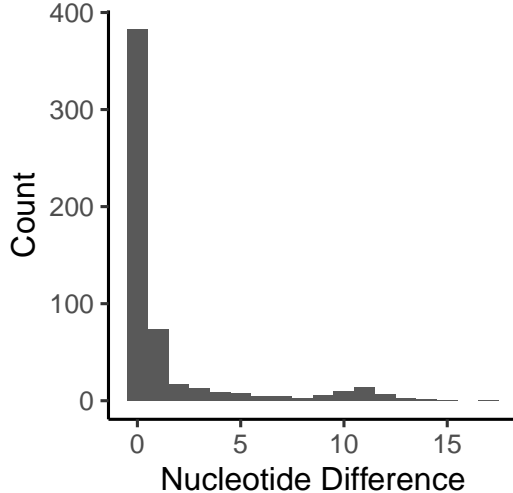
IGHV1-69*04

1159 sequences assigned
686 (59.2%) exact matches, in which:
678 unique CDR3
6 unique J



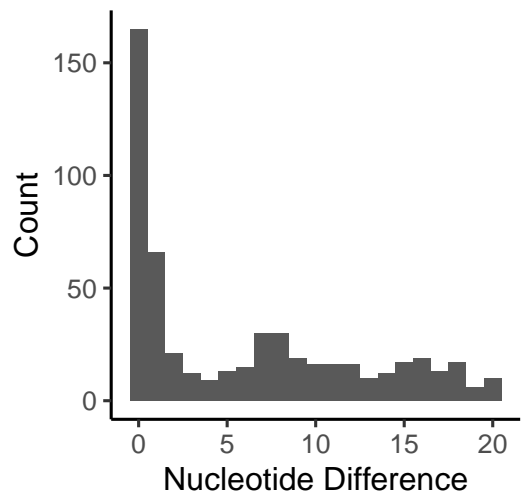
IGHV2-26*01

579 sequences assigned
383 (66.1%) exact matches, in which:
376 unique CDR3
7 unique J



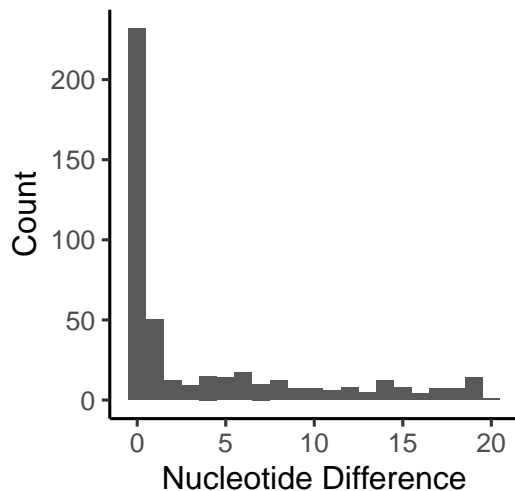
IGHV3-7*01

605 sequences assigned
165 (27.3%) exact matches, in which:
161 unique CDR3
6 unique J



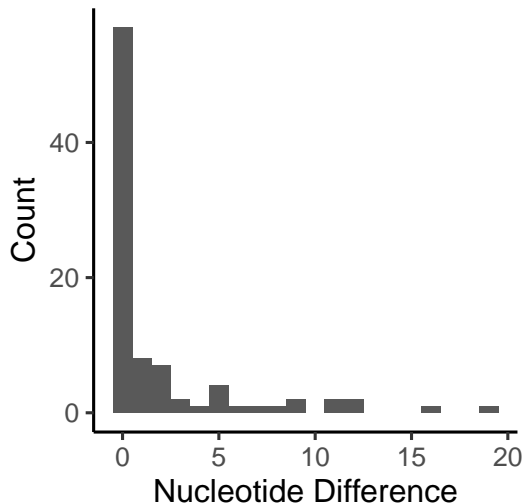
IGHV2-5*01

499 sequences assigned
232 (46.5%) exact matches, in which:
229 unique CDR3
6 unique J



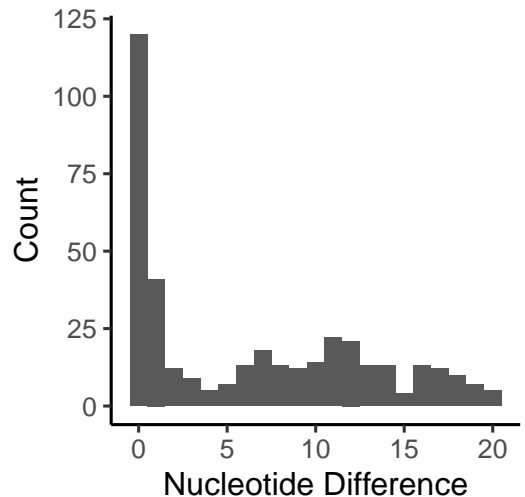
IGHV2-70*01

95 sequences assigned
57 (60%) exact matches, in which:
57 unique CDR3
5 unique J



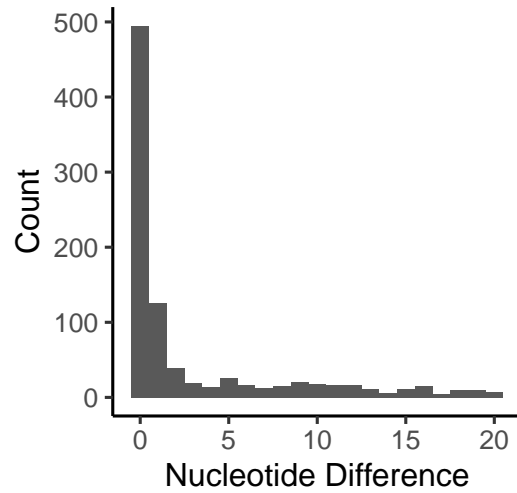
IGHV3-7*03

447 sequences assigned
120 (26.8%) exact matches, in which:
120 unique CDR3
5 unique J



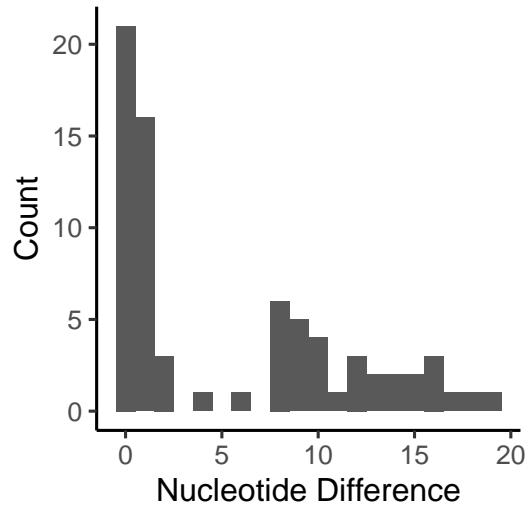
IGHV3-9*01

1032 sequences assigned
495 (48%) exact matches, in which:
489 unique CDR3
6 unique J



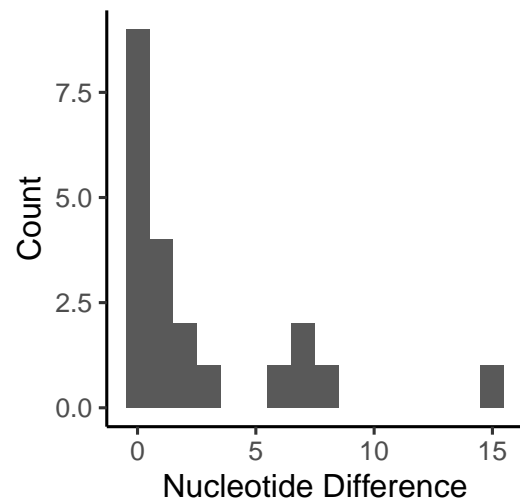
IGHV3-13*01

75 sequences assigned
21 (28%) exact matches, in which:
21 unique CDR3
5 unique J



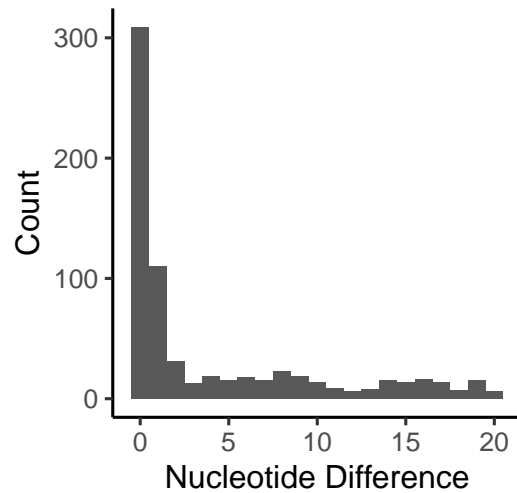
IGHV3-20*01

21 sequences assigned
9 (42.9%) exact matches, in which:
9 unique CDR3
3 unique J



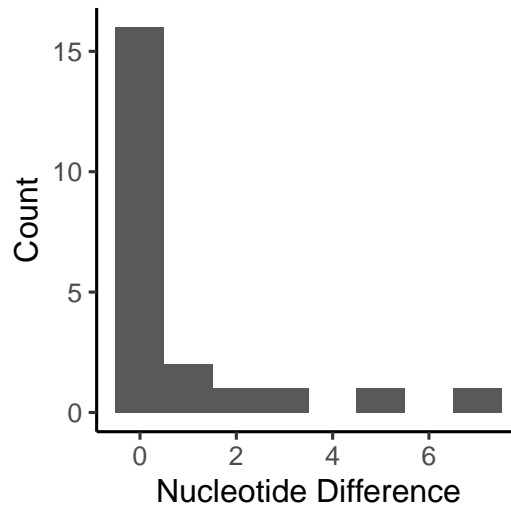
IGHV3-11*01

743 sequences assigned
309 (41.6%) exact matches, in which:
305 unique CDR3
7 unique J



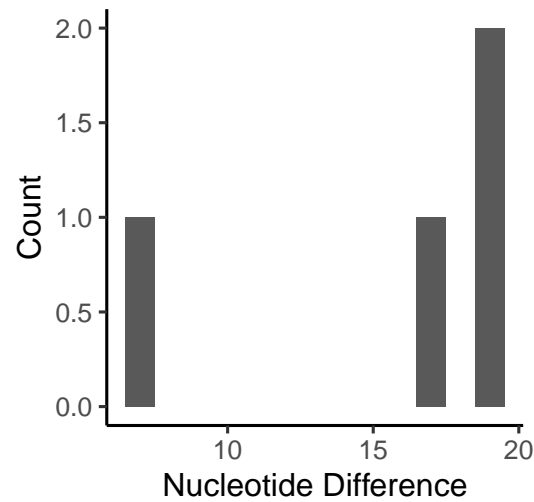
IGHV3-13*05

22 sequences assigned
16 (72.7%) exact matches, in which:
16 unique CDR3
6 unique J



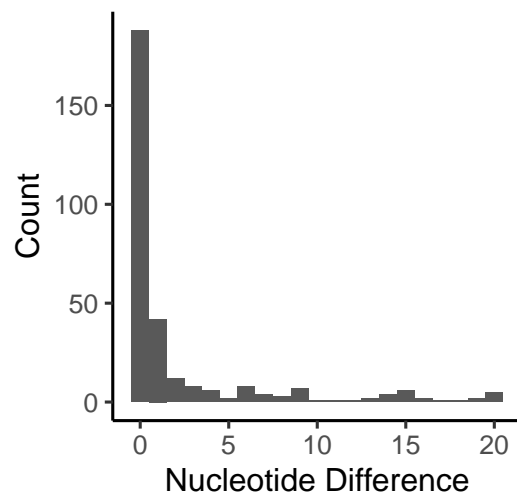
IGHV3-20*04

10 sequences assigned
No exact matches.



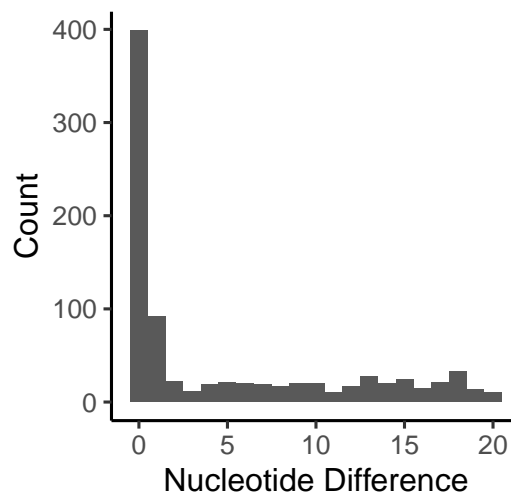
IGHV3-11*06

332 sequences assigned
188 (56.6%) exact matches, in which:
185 unique CDR3
6 unique J



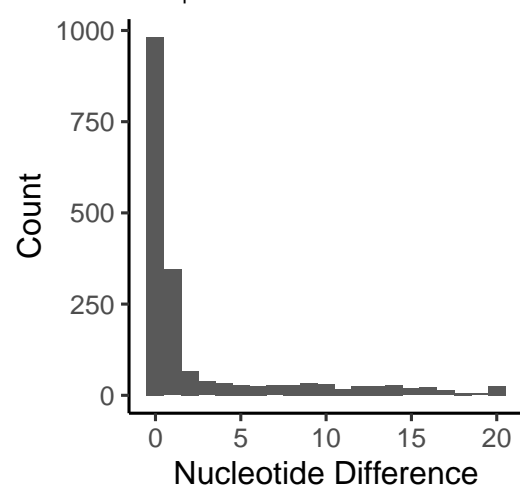
IGHV3-15*01

994 sequences assigned
399 (40.1%) exact matches, in which:
393 unique CDR3
7 unique J



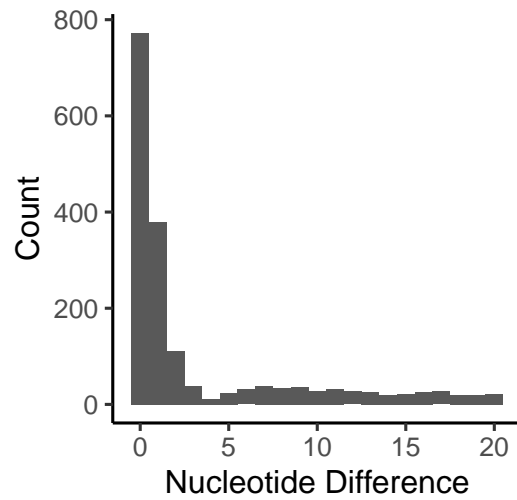
IGHV3-21*01

1960 sequences assigned
982 (50.1%) exact matches, in which:
964 unique CDR3
7 unique J



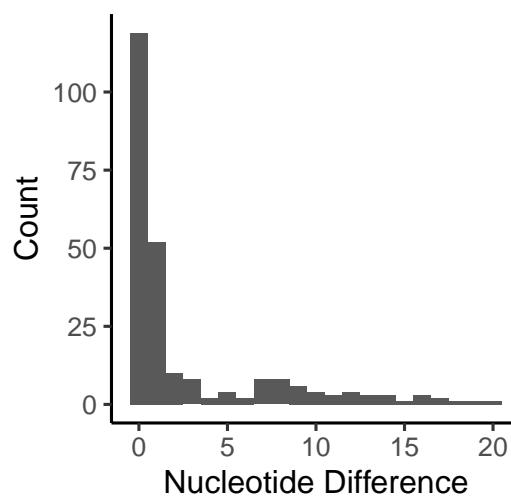
IGHV3-30-3*01

2812 sequences assigned
773 (27.5%) exact matches, in which:
764 unique CDR3
7 unique J



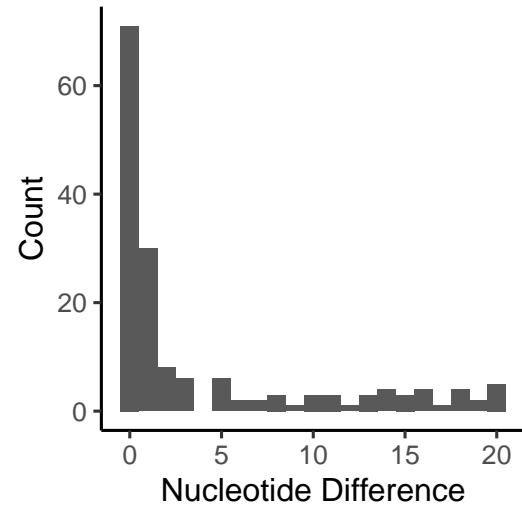
IGHV3-43*02

271 sequences assigned
119 (43.9%) exact matches, in which:
119 unique CDR3
6 unique J



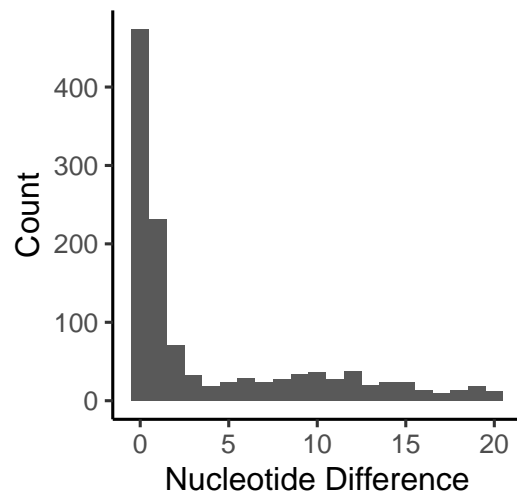
IGHV3-49*04

216 sequences assigned
71 (32.9%) exact matches, in which:
65 unique CDR3
5 unique J



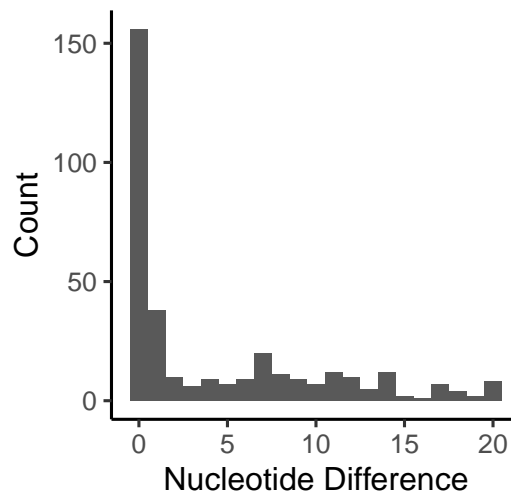
IGHV3-33*01

1417 sequences assigned
474 (33.5%) exact matches, in which:
473 unique CDR3
7 unique J



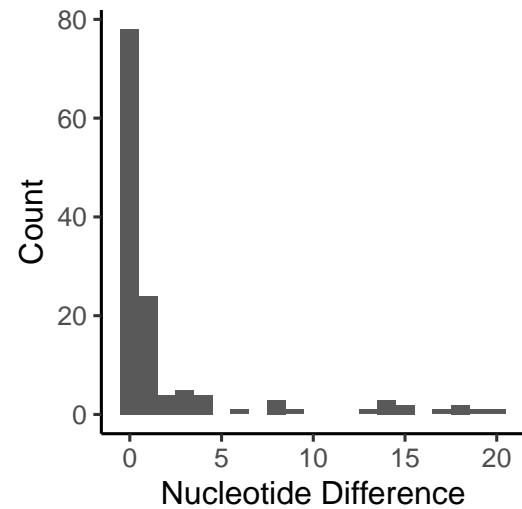
IGHV3-48*02

374 sequences assigned
156 (41.7%) exact matches, in which:
155 unique CDR3
6 unique J



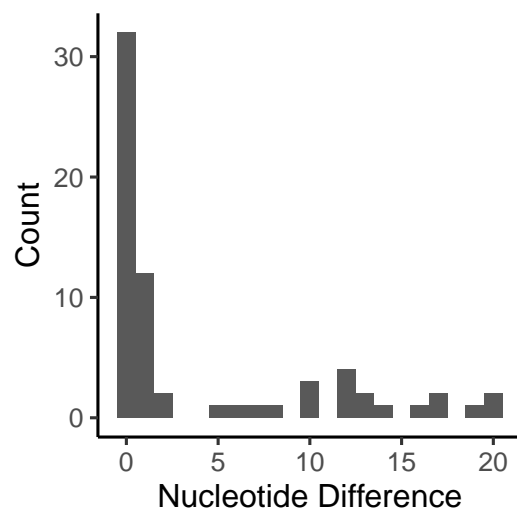
IGHV3-49*05

185 sequences assigned
78 (42.2%) exact matches, in which:
78 unique CDR3
6 unique J



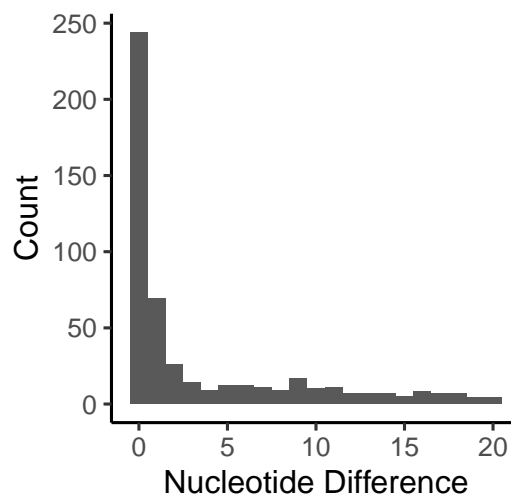
IGHV3-43*01

81 sequences assigned
32 (39.5%) exact matches, in which:
32 unique CDR3
5 unique J



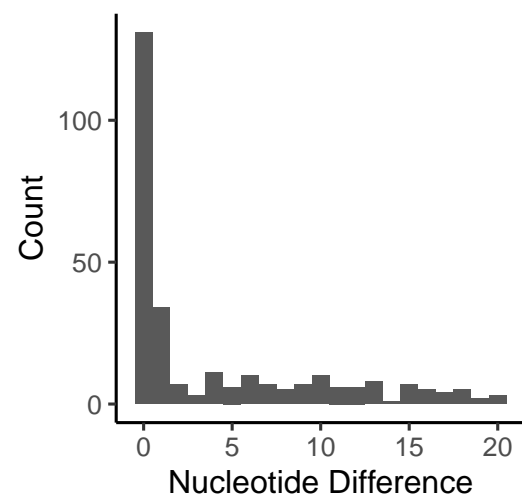
IGHV3-48*03

546 sequences assigned
244 (44.7%) exact matches, in which:
244 unique CDR3
6 unique J



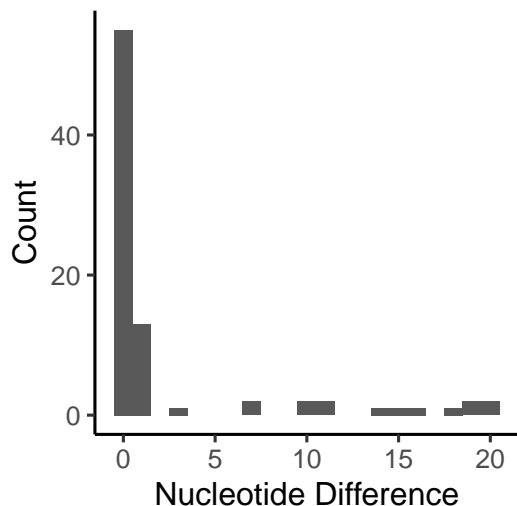
IGHV3-53*01

377 sequences assigned
131 (34.7%) exact matches, in which:
129 unique CDR3
6 unique J



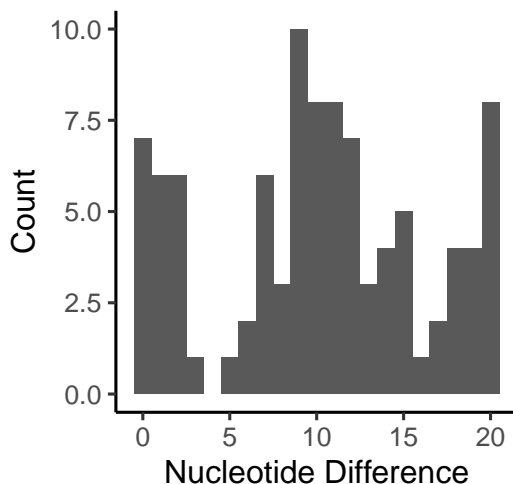
IGHV3-53*04

84 sequences assigned
55 (65.5%) exact matches, in which:
54 unique CDR3
5 unique J



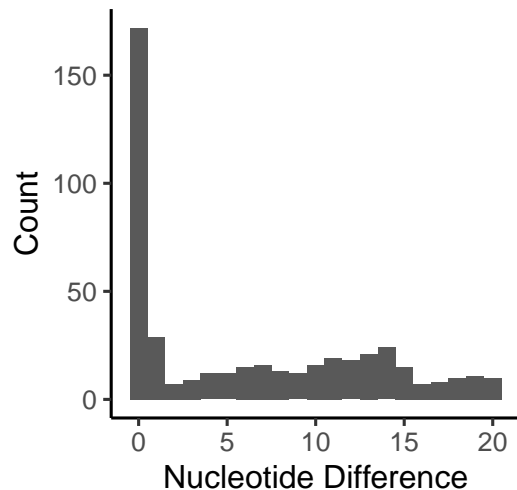
IGHV3-72*01

116 sequences assigned
7 (6%) exact matches, in which:
7 unique CDR3
3 unique J



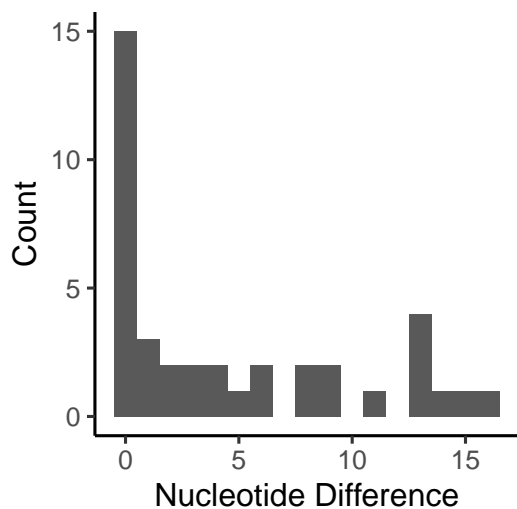
IGHV3-74*01

556 sequences assigned
172 (30.9%) exact matches, in which:
170 unique CDR3
7 unique J



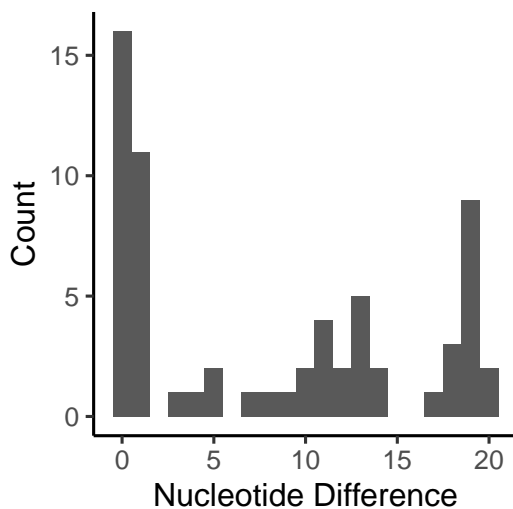
IGHV3-64*01

55 sequences assigned
15 (27.3%) exact matches, in which:
15 unique CDR3
3 unique J



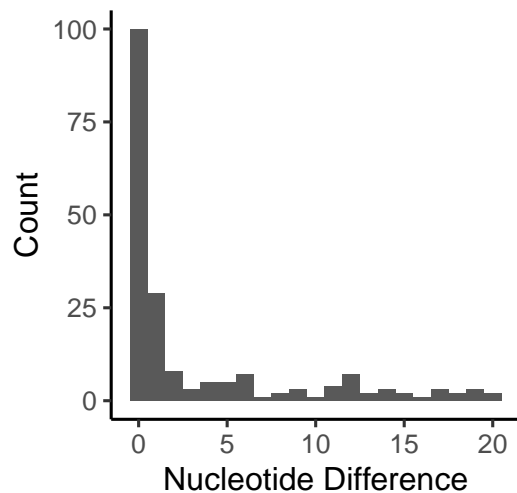
IGHV3-73*01

92 sequences assigned
16 (17.4%) exact matches, in which:
16 unique CDR3
4 unique J



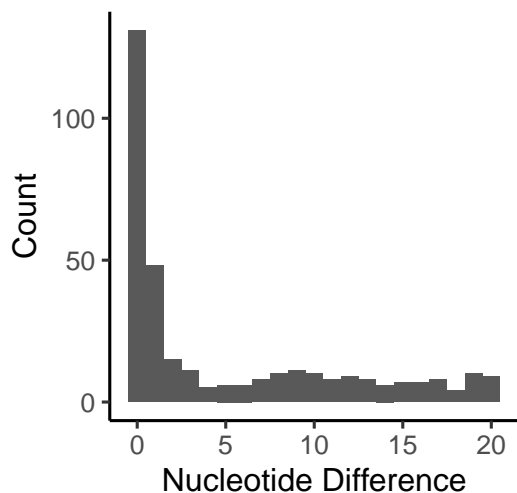
IGHV3-64D*06

217 sequences assigned
100 (46.1%) exact matches, in which:
100 unique CDR3
6 unique J



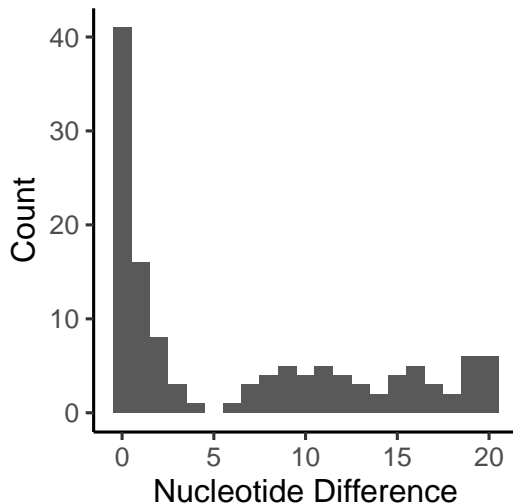
IGHV3-66*01

374 sequences assigned
131 (35%) exact matches, in which:
130 unique CDR3
6 unique J



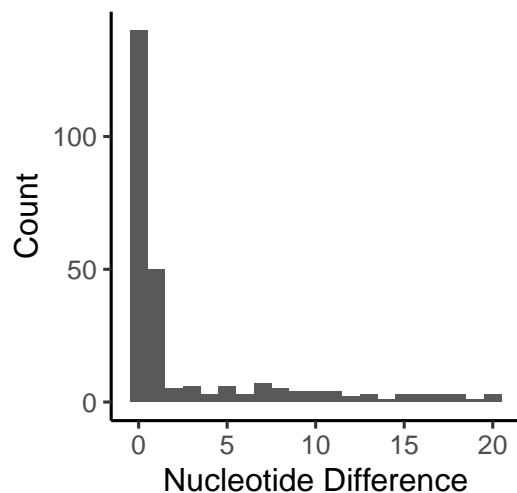
IGHV3-73*02

145 sequences assigned
41 (28.3%) exact matches, in which:
39 unique CDR3
5 unique J



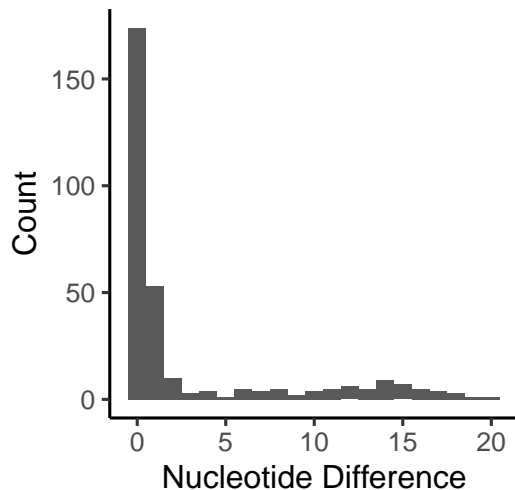
IGHV4-4*07

286 sequences assigned
140 (49%) exact matches, in which:
139 unique CDR3
5 unique J



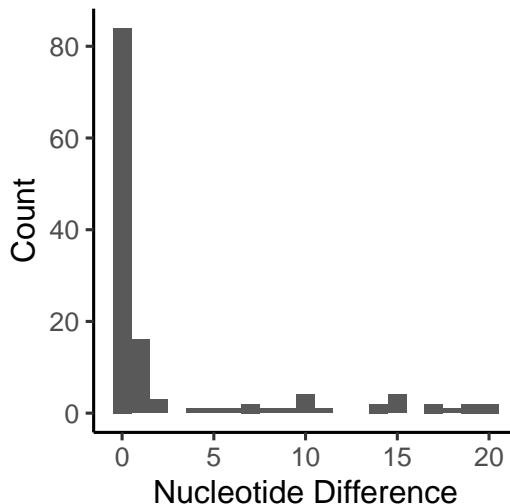
IGHV4-4*02_C20T

391 sequences assigned
174 (44.5%) exact matches, in which:
171 unique CDR3
6 unique J



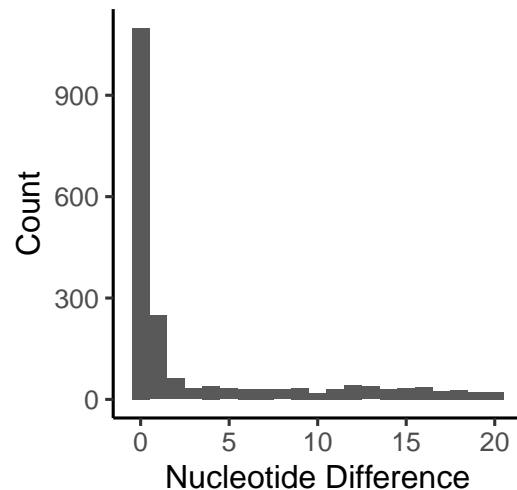
IGHV4-30-2*01

139 sequences assigned
84 (60.4%) exact matches, in which:
84 unique CDR3
6 unique J



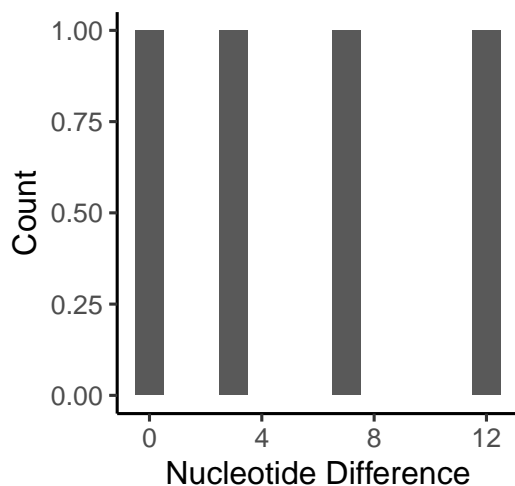
IGHV4-39*01

2360 sequences assigned
1100 (46.6%) exact matches, in which:
1088 unique CDR3
7 unique J



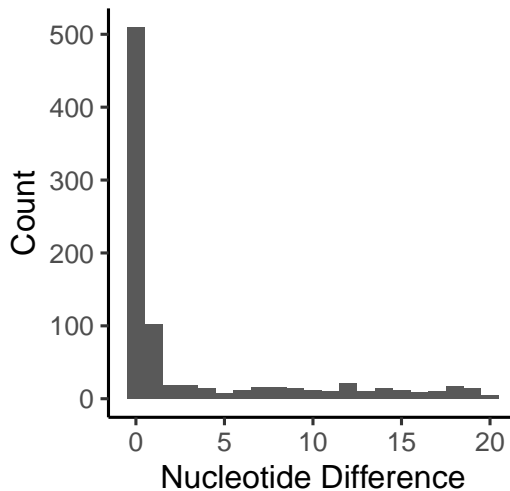
IGHV4-28*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



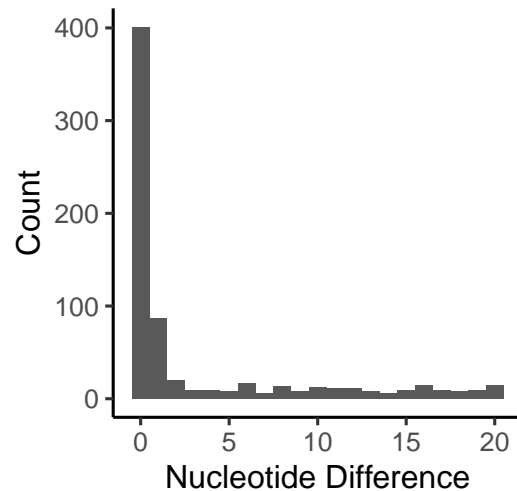
IGHV4-31*03

988 sequences assigned
510 (51.6%) exact matches, in which:
509 unique CDR3
7 unique J



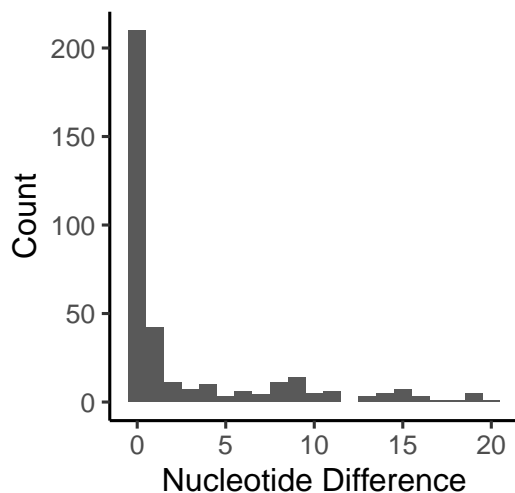
IGHV4-59*01

815 sequences assigned
401 (49.2%) exact matches, in which:
398 unique CDR3
7 unique J



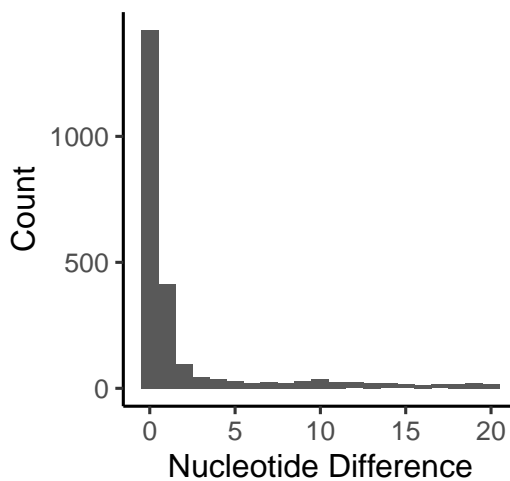
IGHV4-30-4*01

399 sequences assigned
210 (52.6%) exact matches, in which:
207 unique CDR3
5 unique J



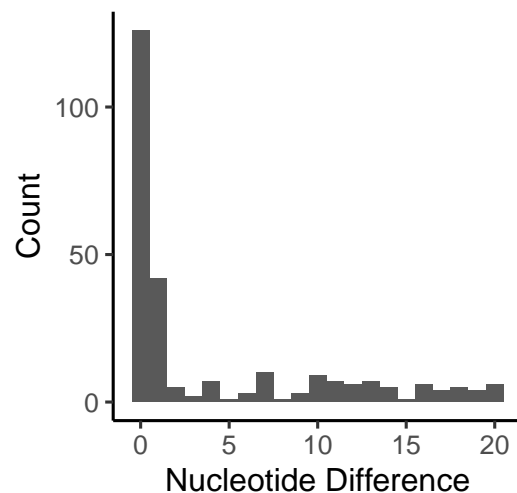
IGHV4-34*01

2674 sequences assigned
1422 (53.2%) exact matches, in which:
1394 unique CDR3
7 unique J



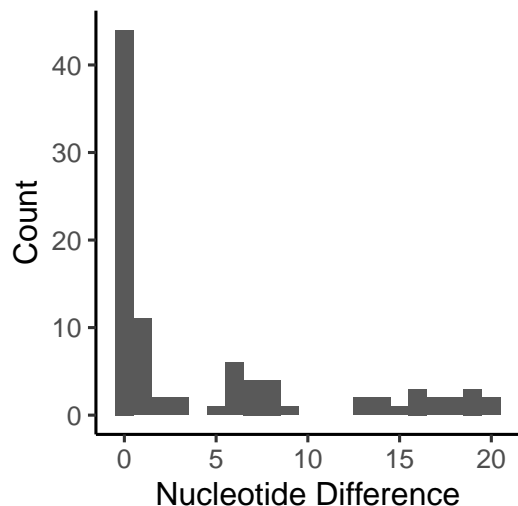
IGHV4-59*08

308 sequences assigned
126 (40.9%) exact matches, in which:
122 unique CDR3
6 unique J



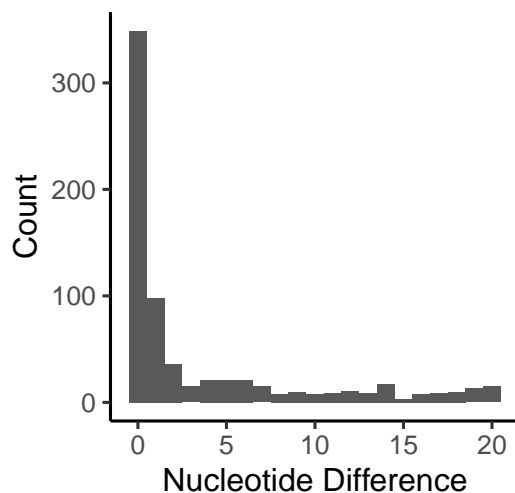
IGHV4-61*01

109 sequences assigned
44 (40.4%) exact matches, in which:
44 unique CDR3
5 unique J



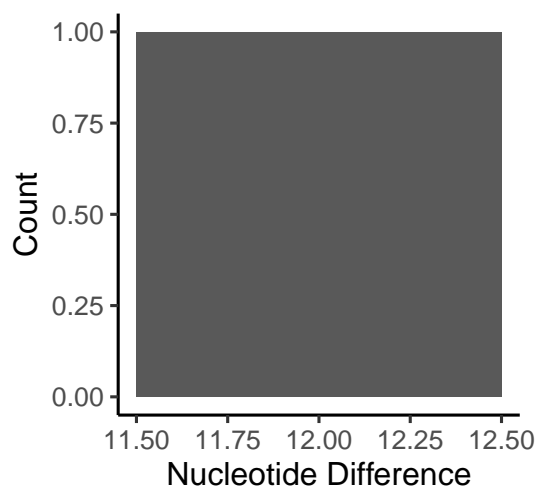
IGHV5-51*01

858 sequences assigned
349 (40.7%) exact matches, in which:
343 unique CDR3
6 unique J



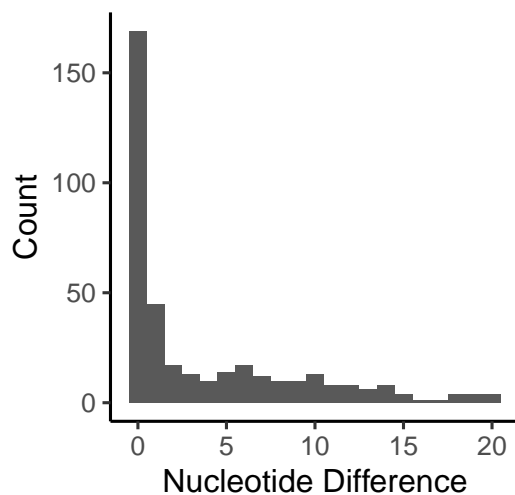
IGHV1/OR15-9*01

1 sequences assigned
No exact matches.



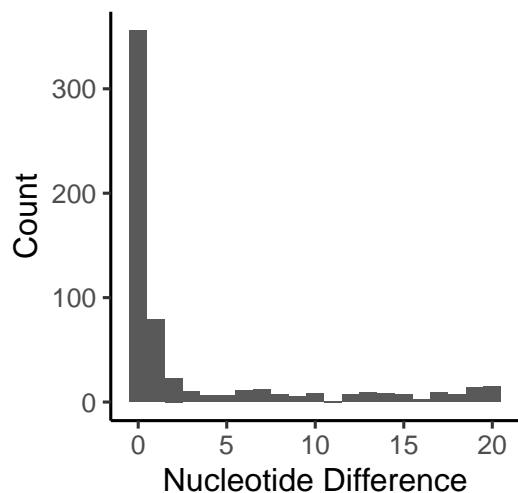
IGHV6-1*01

396 sequences assigned
169 (42.7%) exact matches, in which:
168 unique CDR3
7 unique J



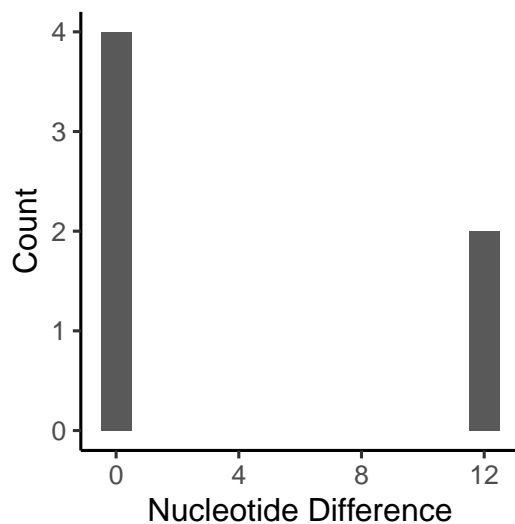
IGHV5-10-1*03

705 sequences assigned
356 (50.5%) exact matches, in which:
354 unique CDR3
6 unique J

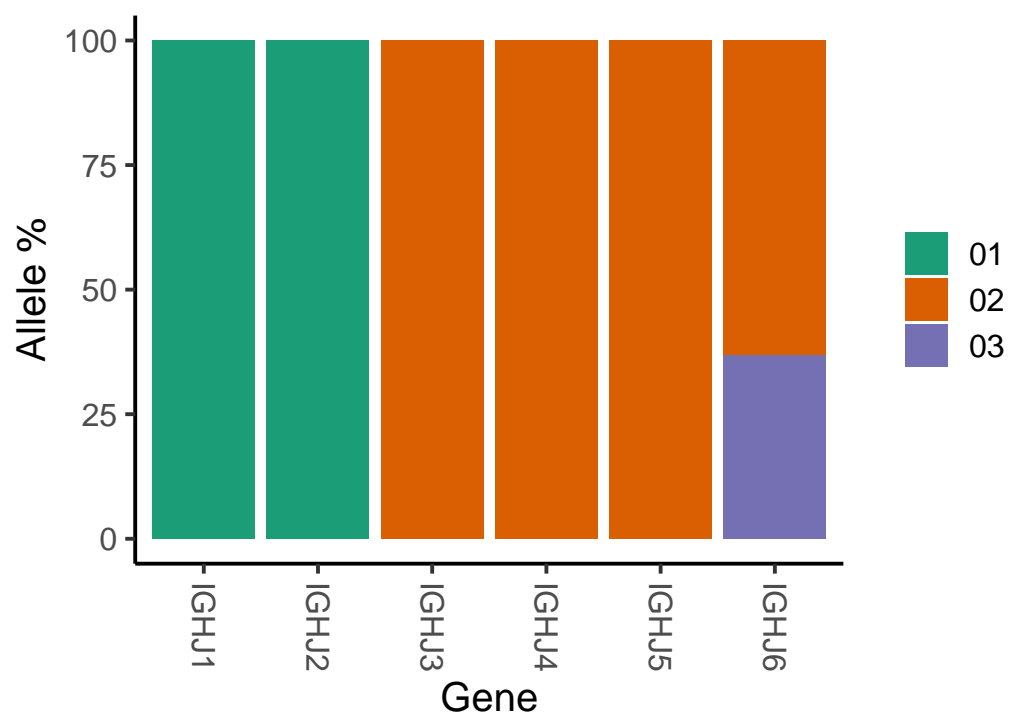


IGHV7-4-1*01

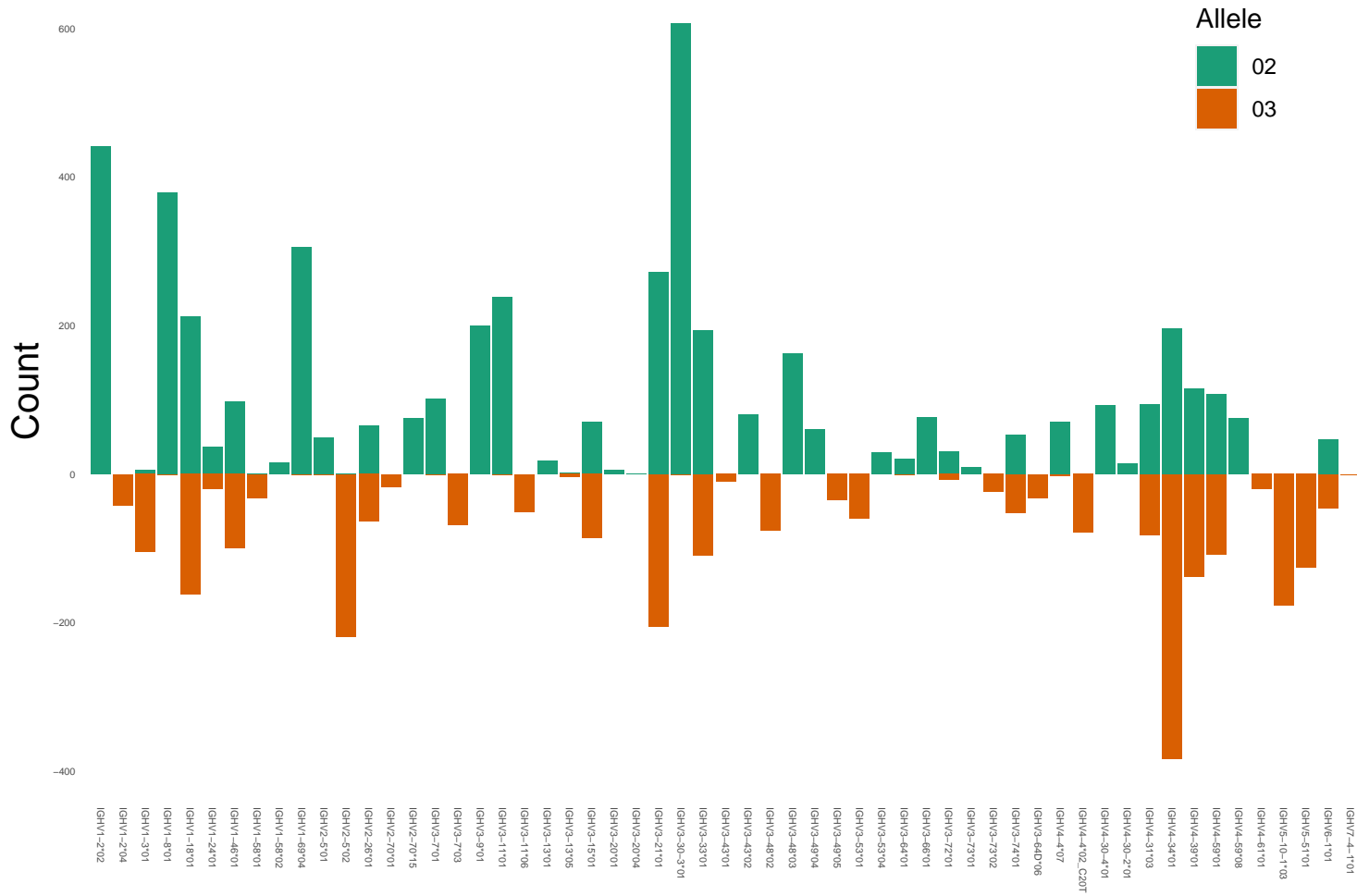
6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.