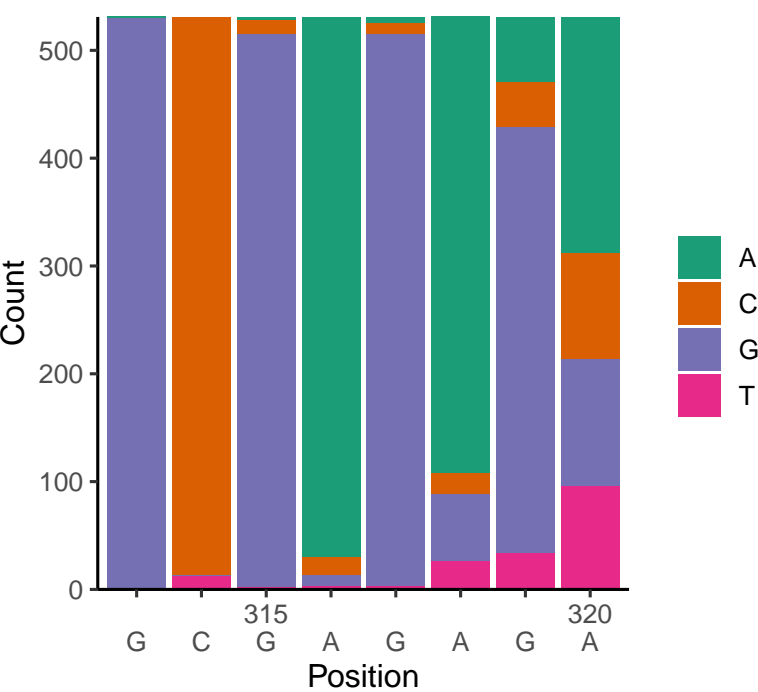
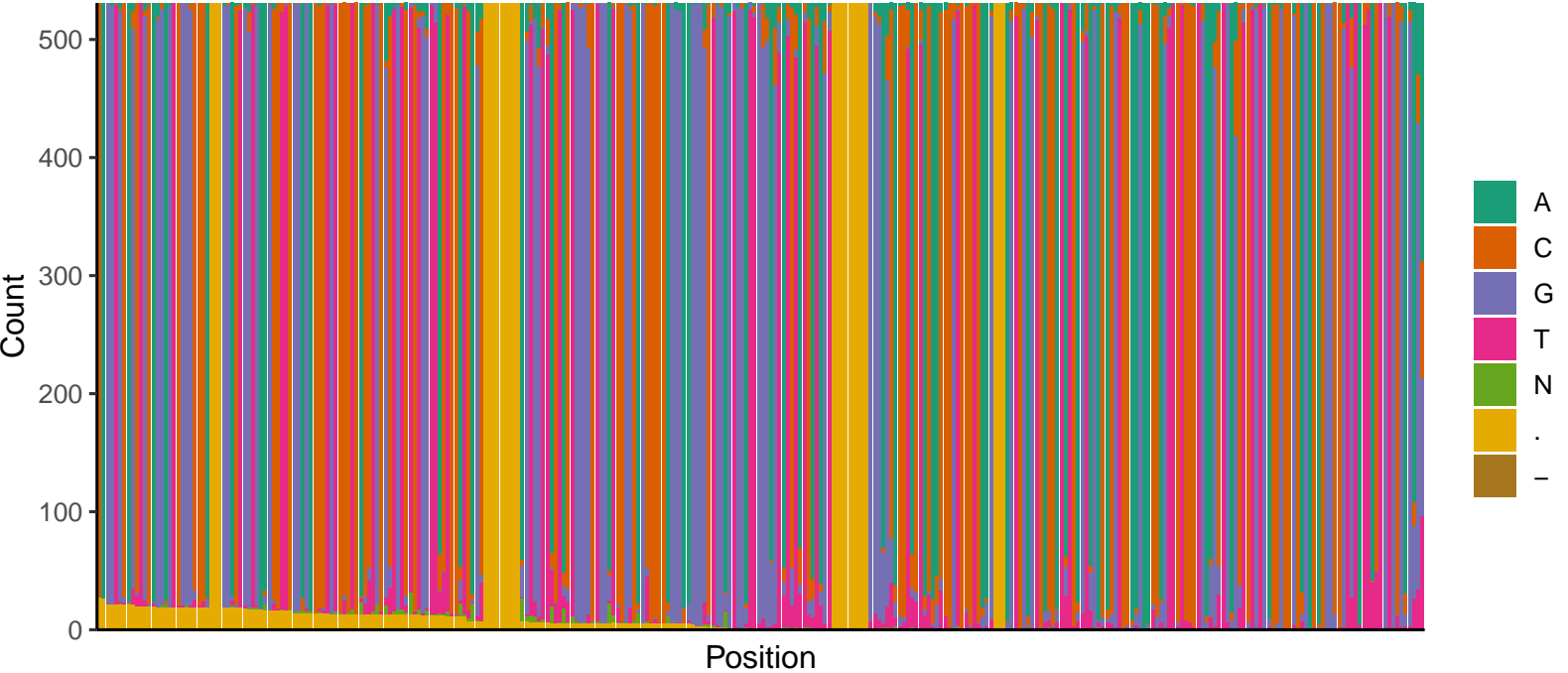


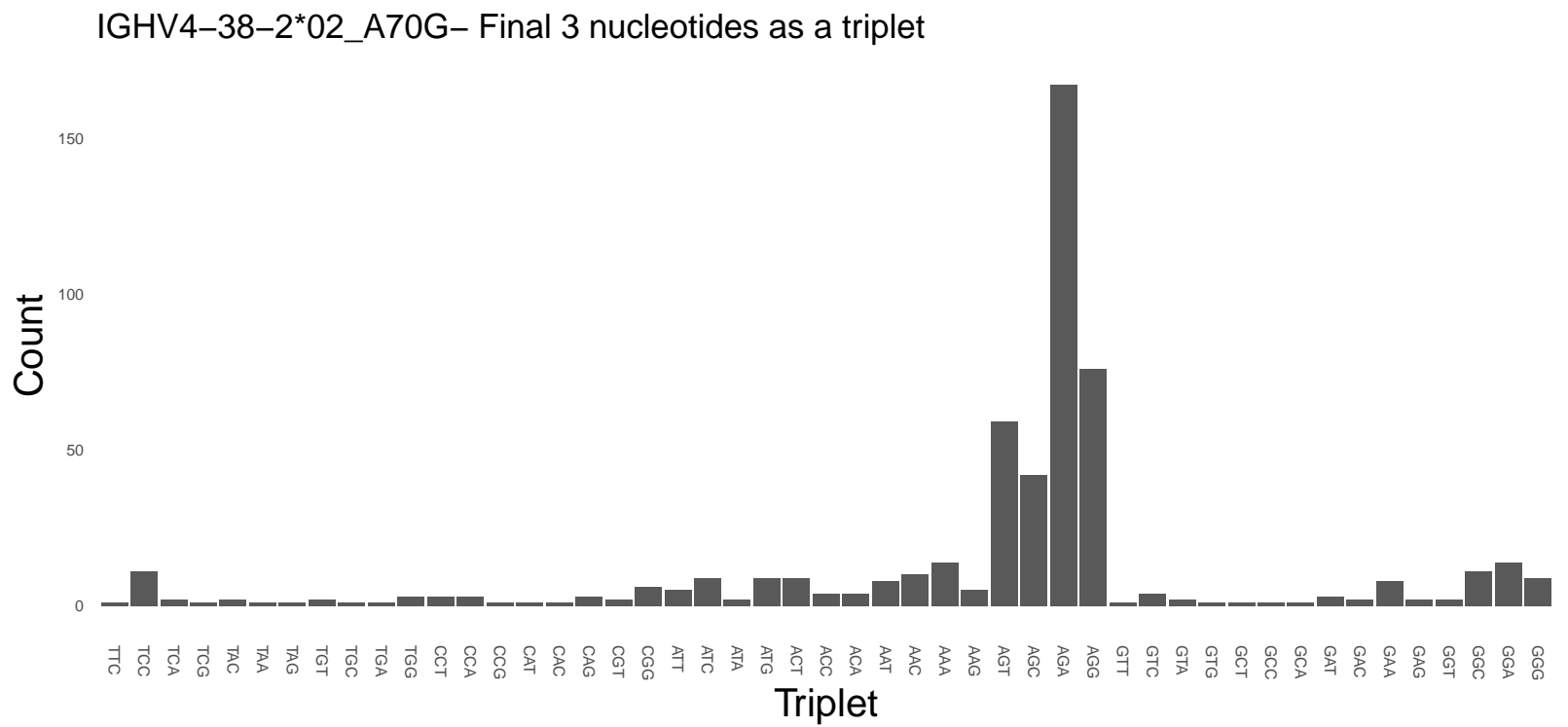
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

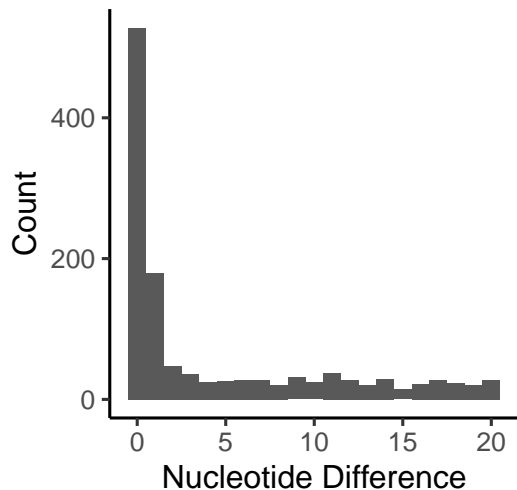


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



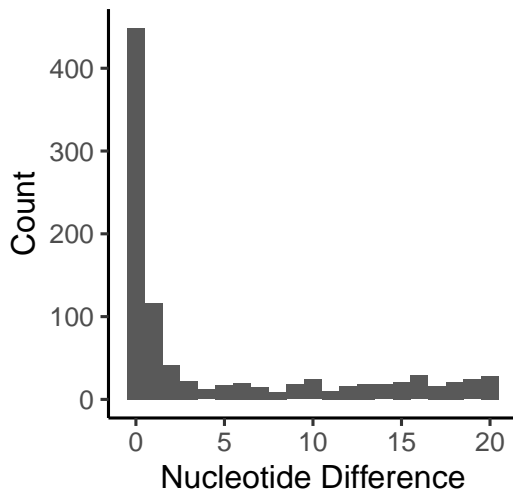
IGHV1-2*06

1574 sequences assigned
528 (33.5%) exact matches, in which:
525 unique CDR3
6 unique J



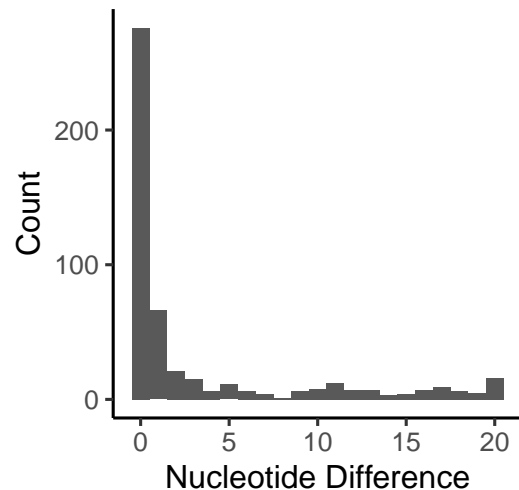
IGHV1-18*01

1253 sequences assigned
449 (35.8%) exact matches, in which:
447 unique CDR3
6 unique J



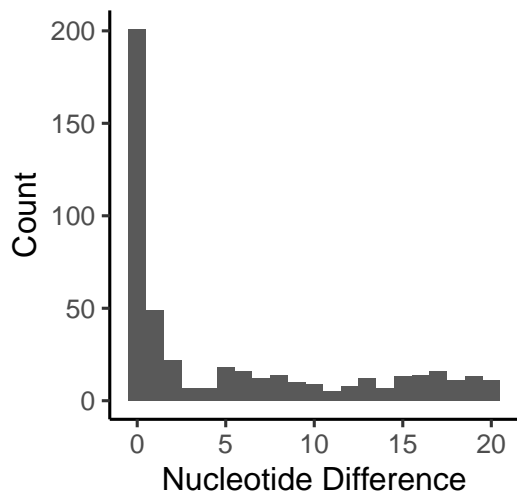
IGHV1-46*01

651 sequences assigned
276 (42.4%) exact matches, in which:
273 unique CDR3
6 unique J



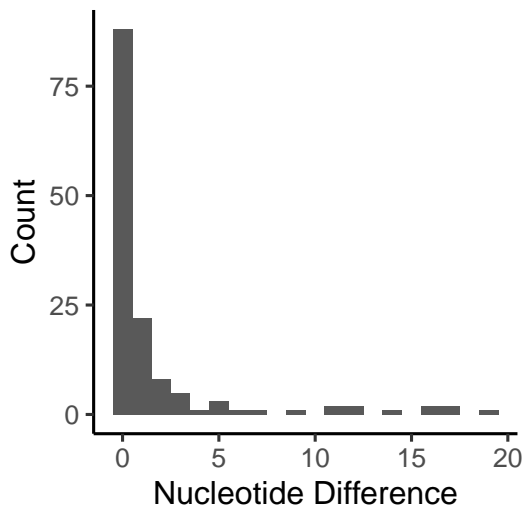
IGHV1-3*01

645 sequences assigned
201 (31.2%) exact matches, in which:
200 unique CDR3
6 unique J



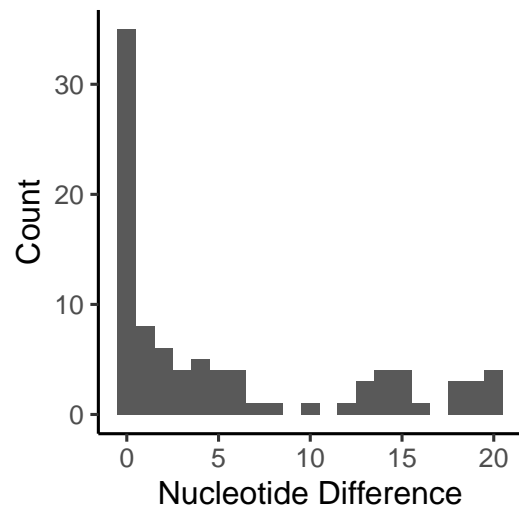
IGHV1-24*01

162 sequences assigned
88 (54.3%) exact matches, in which:
88 unique CDR3
6 unique J



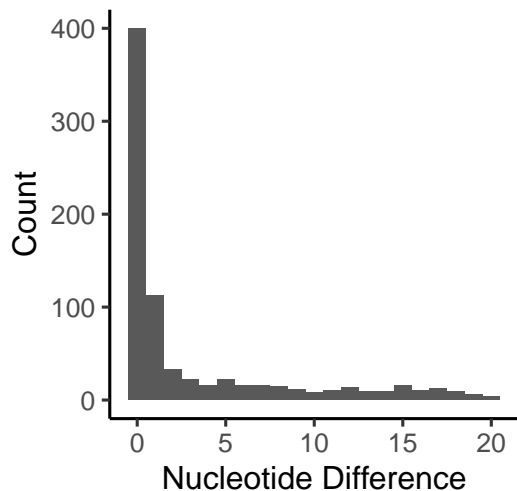
IGHV1-58*01

108 sequences assigned
35 (32.4%) exact matches, in which:
35 unique CDR3
4 unique J



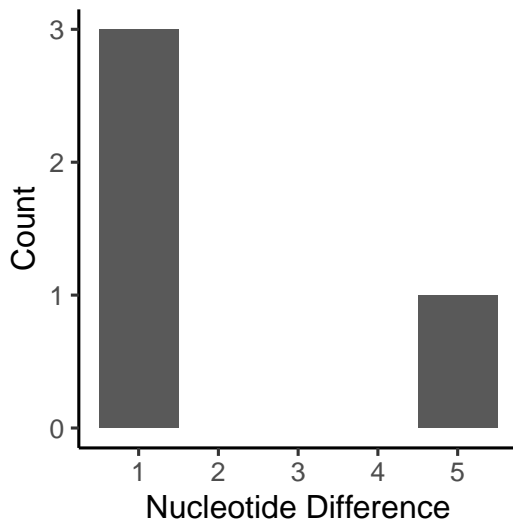
IGHV1-8*01

861 sequences assigned
400 (46.5%) exact matches, in which:
397 unique CDR3
6 unique J



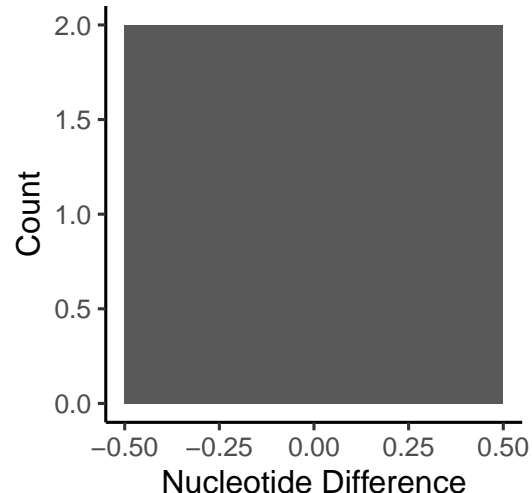
IGHV1-45*02

10 sequences assigned
No exact matches.



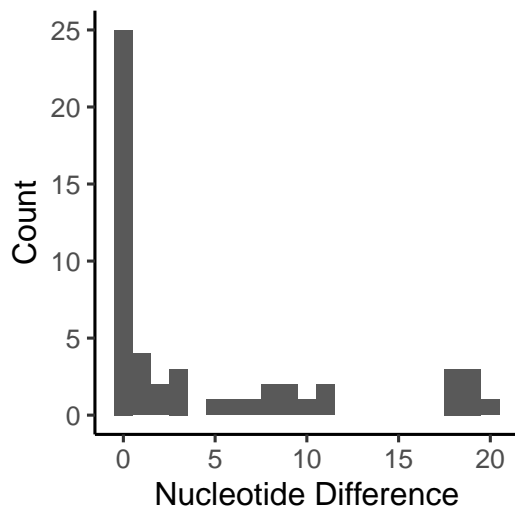
IGHV1-68*02

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



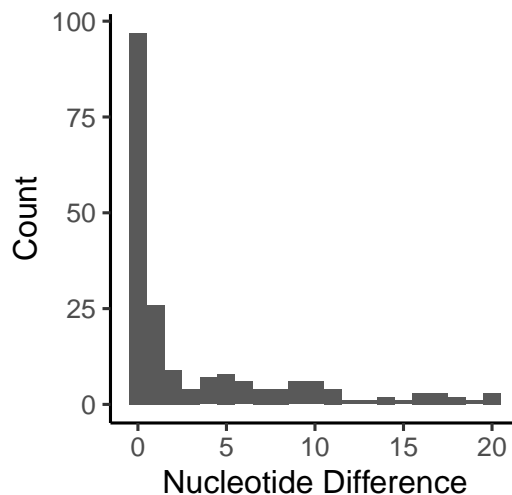
IGHV1-69-2*01

76 sequences assigned
25 (32.9%) exact matches, in which:
25 unique CDR3
4 unique J



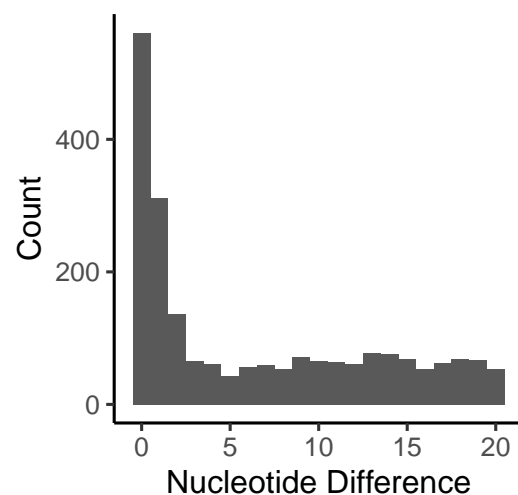
IGHV2-26*01

218 sequences assigned
97 (44.5%) exact matches, in which:
97 unique CDR3
5 unique J



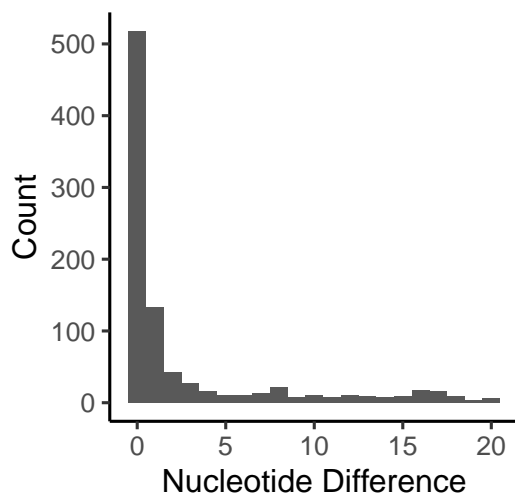
IGHV3-9*01

2605 sequences assigned
561 (21.5%) exact matches, in which:
556 unique CDR3
6 unique J



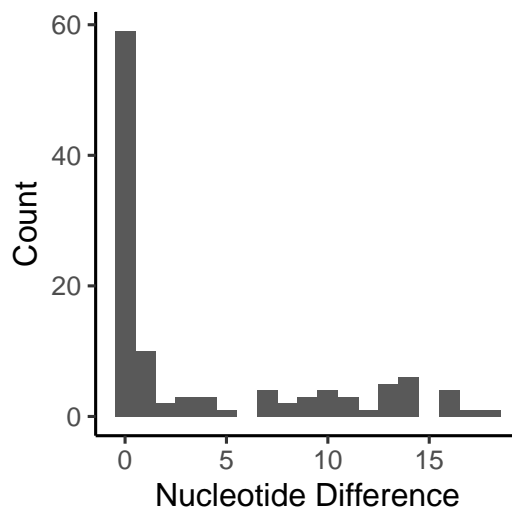
IGHV1-69*06

1081 sequences assigned
518 (47.9%) exact matches, in which:
516 unique CDR3
6 unique J



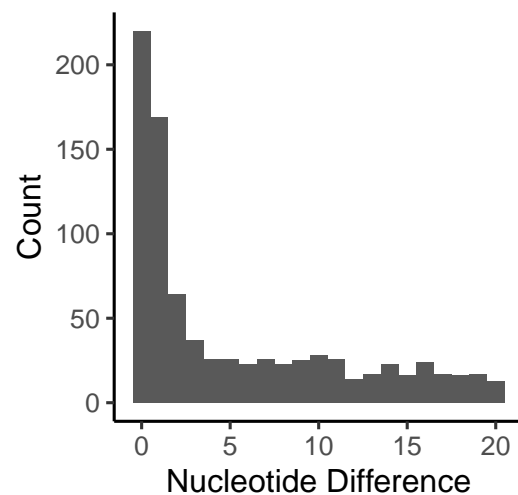
IGHV2-70*01

119 sequences assigned
59 (49.6%) exact matches, in which:
59 unique CDR3
5 unique J



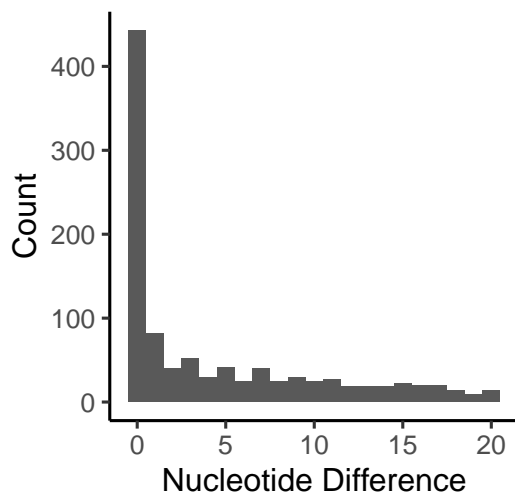
IGHV3-11*01

1061 sequences assigned
220 (20.7%) exact matches, in which:
219 unique CDR3
6 unique J



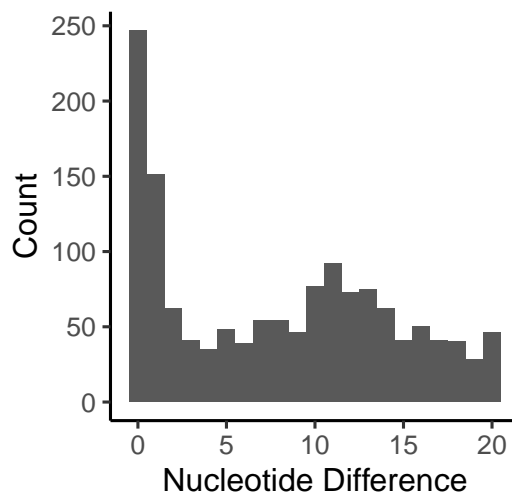
IGHV2-5*02

1159 sequences assigned
443 (38.2%) exact matches, in which:
440 unique CDR3
6 unique J



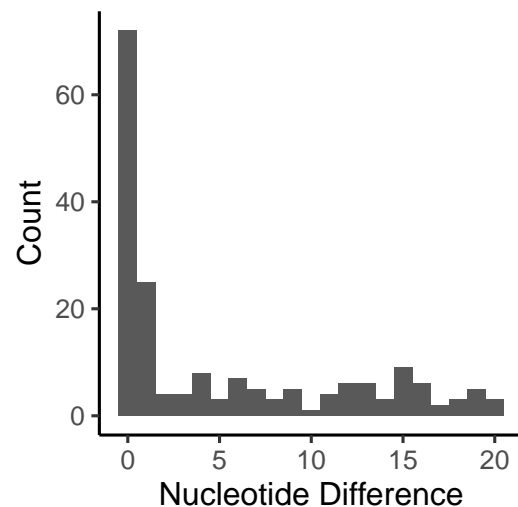
IGHV3-7*01

1719 sequences assigned
247 (14.4%) exact matches, in which:
244 unique CDR3
6 unique J



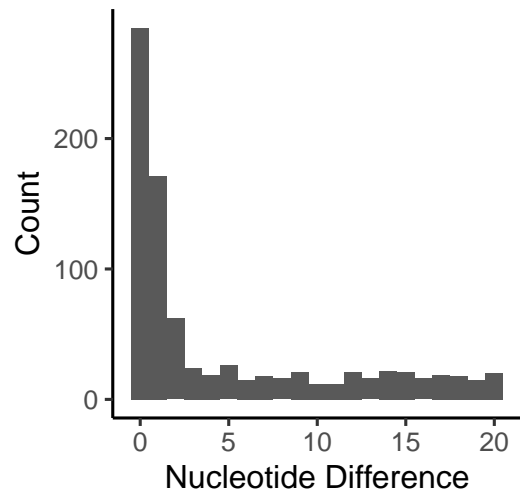
IGHV3-13*01

215 sequences assigned
72 (33.5%) exact matches, in which:
72 unique CDR3
4 unique J



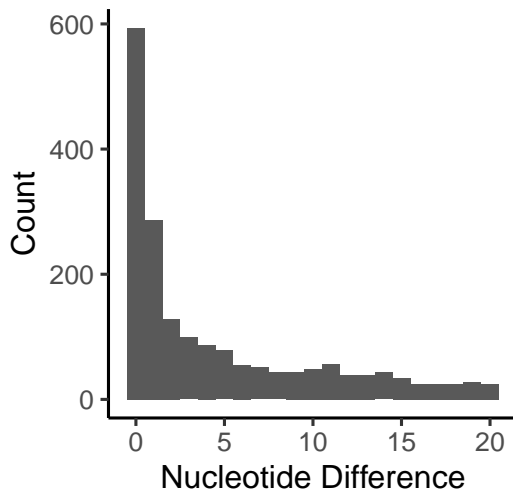
IGHV3-15*01

1090 sequences assigned
285 (26.1%) exact matches, in which:
283 unique CDR3
6 unique J



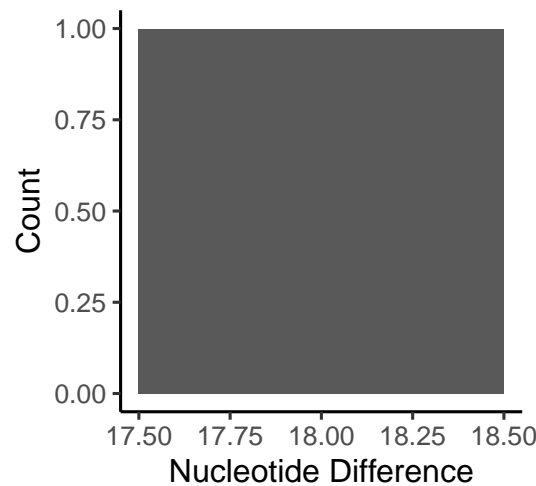
IGHV3-21*01

2245 sequences assigned
594 (26.5%) exact matches, in which:
591 unique CDR3
6 unique J



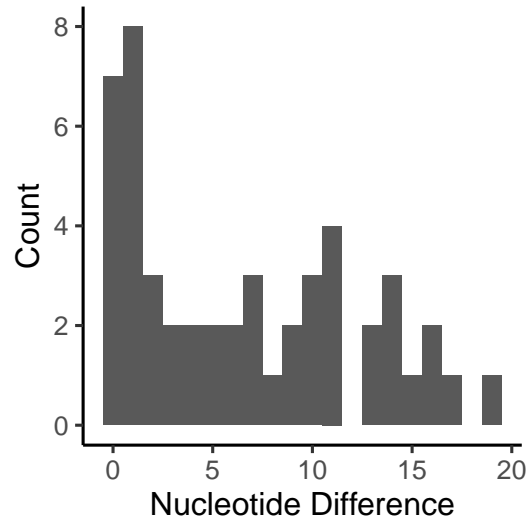
IGHV3-30-3*01

6 sequences assigned
No exact matches.



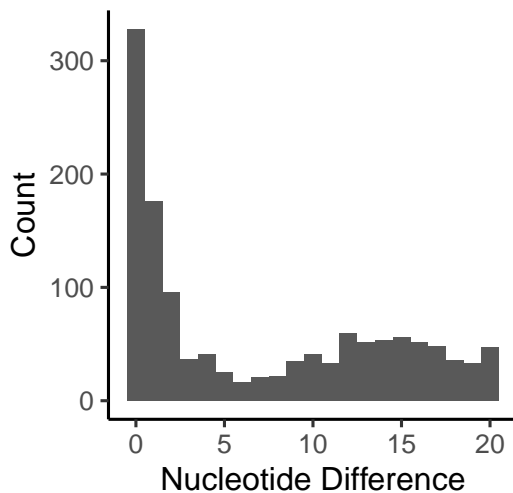
IGHV3-20*01

52 sequences assigned
7 (13.5%) exact matches, in which:
7 unique CDR3
3 unique J



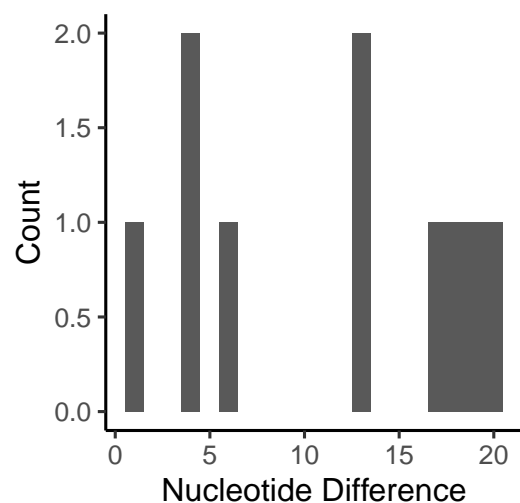
IGHV3-23*04

1700 sequences assigned
328 (19.3%) exact matches, in which:
328 unique CDR3
6 unique J



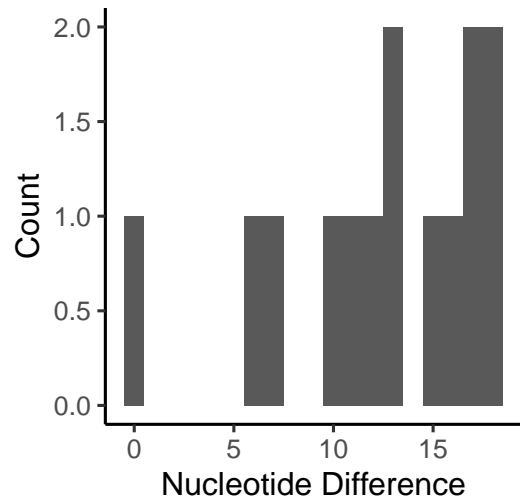
IGHV3-30-3*03

33 sequences assigned
No exact matches.



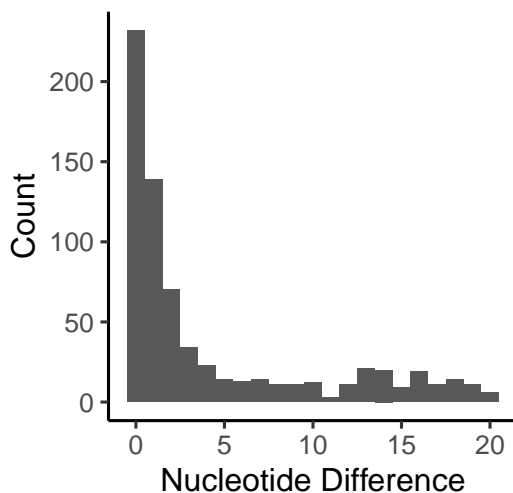
IGHV3-20*04

17 sequences assigned
1 (5.9%) exact matches, in which:
1 unique CDR3
1 unique J



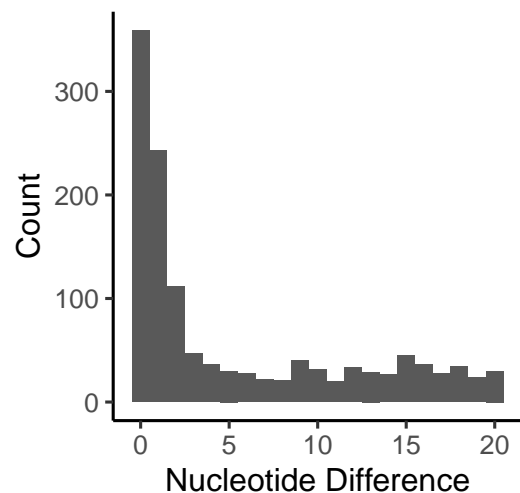
IGHV3-30*01

855 sequences assigned
232 (27.1%) exact matches, in which:
232 unique CDR3
6 unique J



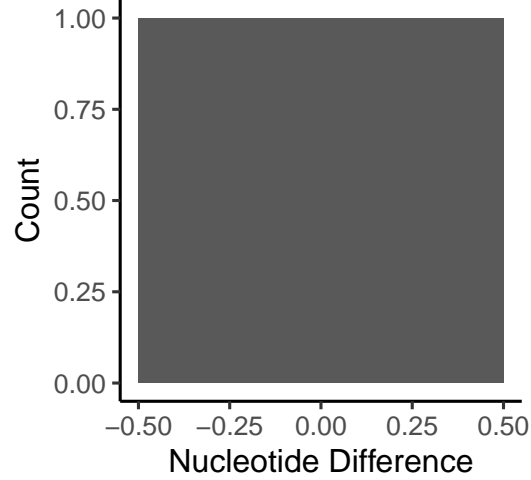
IGHV3-33*01

1525 sequences assigned
359 (23.5%) exact matches, in which:
357 unique CDR3
6 unique J



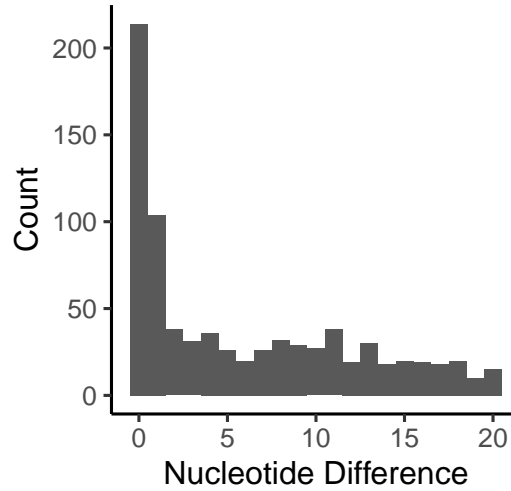
IGHV3–35*01

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



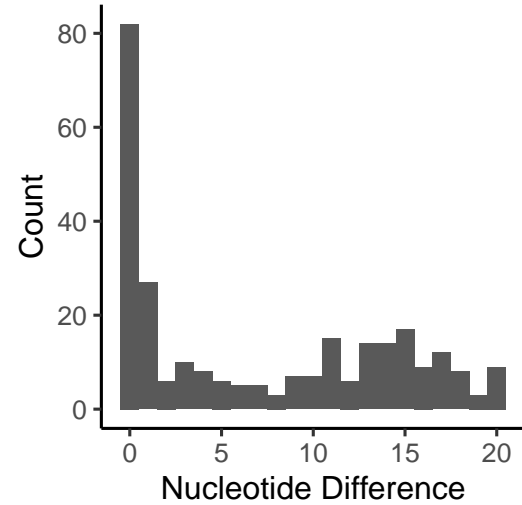
IGHV3–48*03

932 sequences assigned
214 (23%) exact matches, in which:
214 unique CDR3
6 unique J



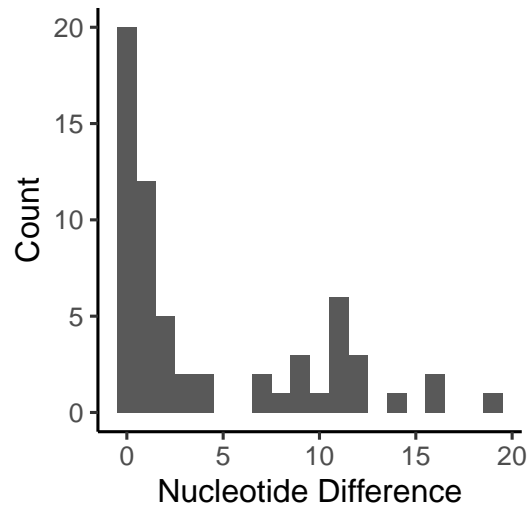
IGHV3–53*01

355 sequences assigned
82 (23.1%) exact matches, in which:
81 unique CDR3
6 unique J



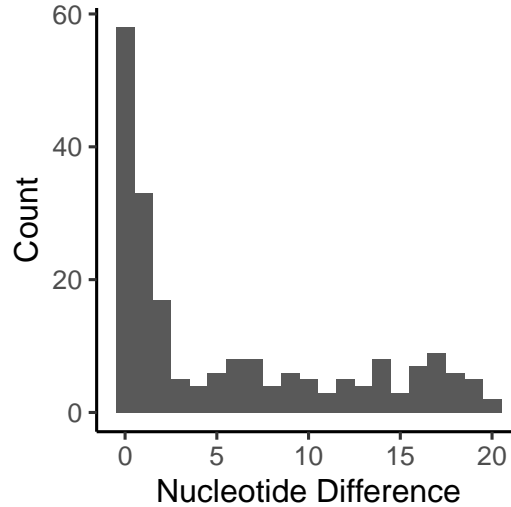
IGHV3–43*01

70 sequences assigned
20 (28.6%) exact matches, in which:
19 unique CDR3
3 unique J



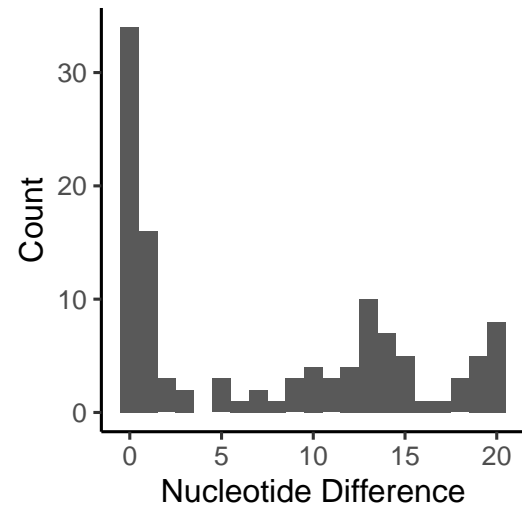
IGHV3–49*04

266 sequences assigned
58 (21.8%) exact matches, in which:
58 unique CDR3
5 unique J



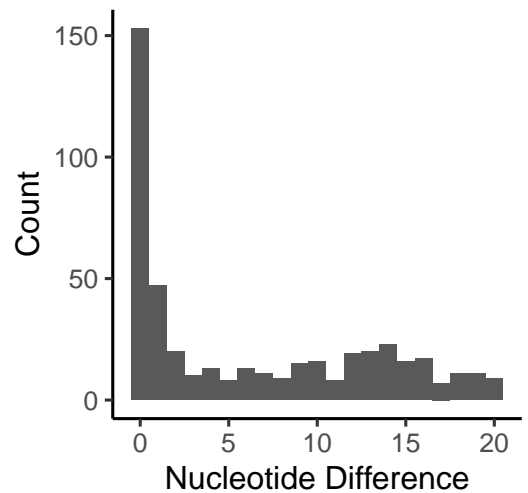
IGHV3–53*02

165 sequences assigned
34 (20.6%) exact matches, in which:
34 unique CDR3
6 unique J



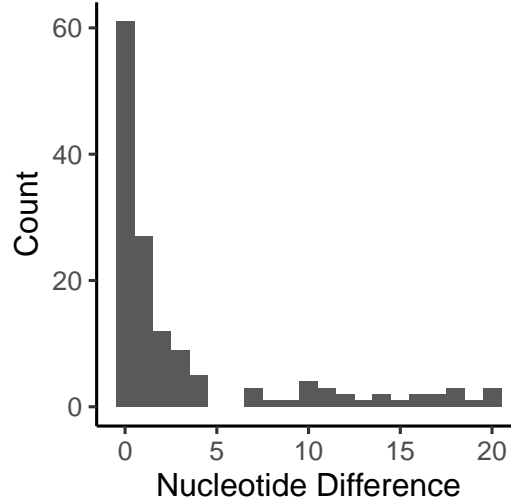
IGHV3–48*02

552 sequences assigned
153 (27.7%) exact matches, in which:
150 unique CDR3
6 unique J



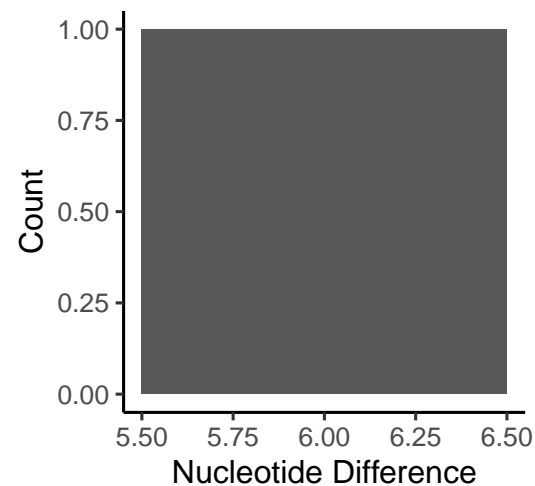
IGHV3–49*05

173 sequences assigned
61 (35.3%) exact matches, in which:
61 unique CDR3
4 unique J



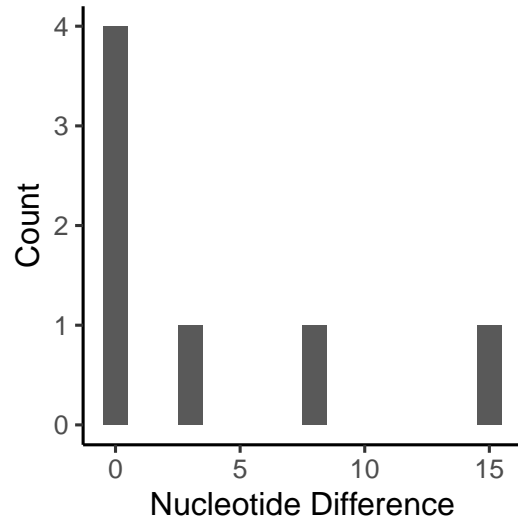
IGHV3–62*04

1 sequences assigned
No exact matches.



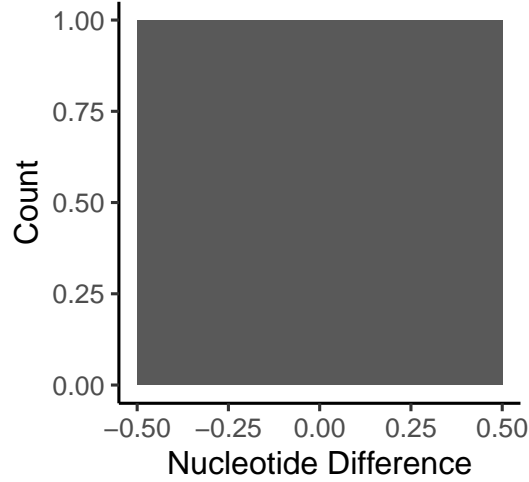
IGHV3-64*02

7 sequences assigned
4 (57.1%) exact matches, in which:
4 unique CDR3
2 unique J



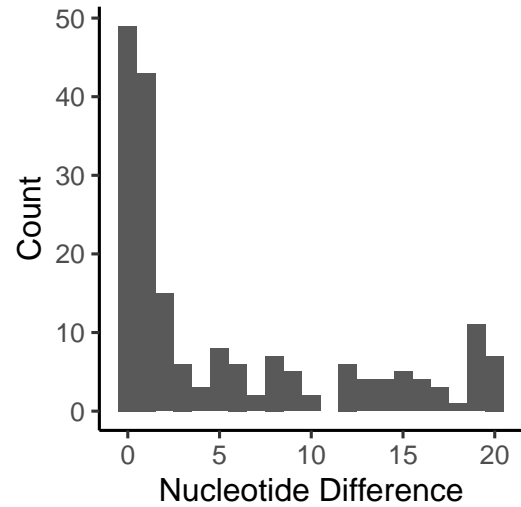
IGHV3-69-1*01

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



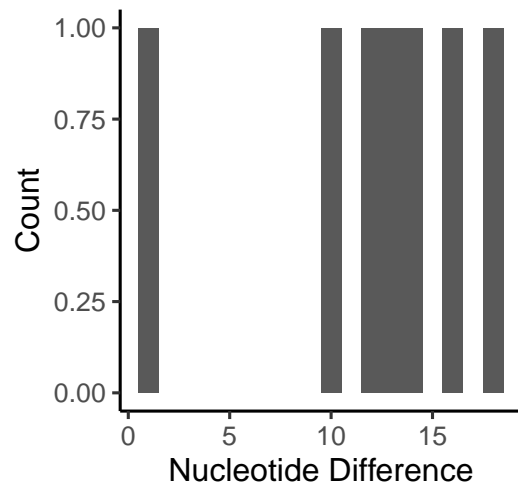
IGHV3-73*02

224 sequences assigned
49 (21.9%) exact matches, in which:
48 unique CDR3
5 unique J



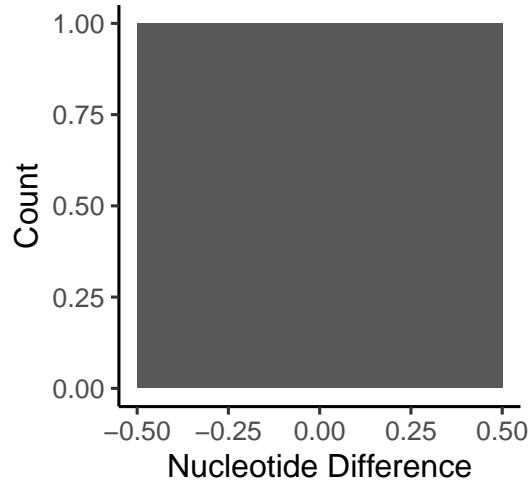
IGHV3-66*03

7 sequences assigned
No exact matches.



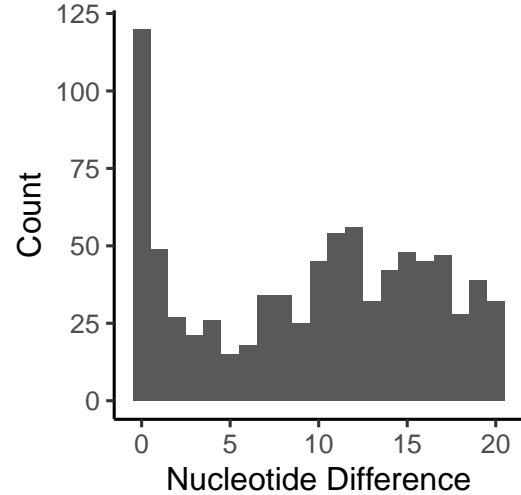
IGHV3-71*03

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



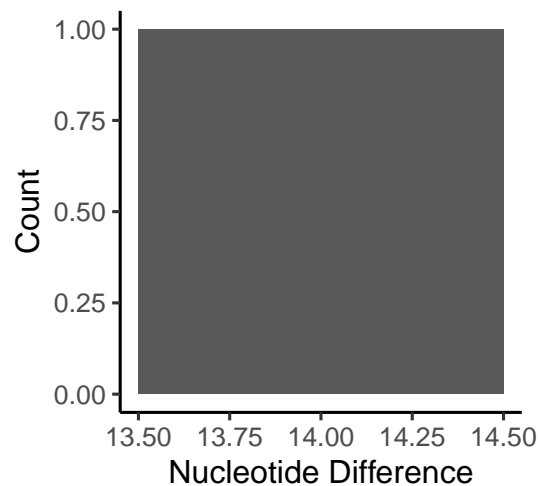
IGHV3-74*01

1168 sequences assigned
120 (10.3%) exact matches, in which:
120 unique CDR3
6 unique J



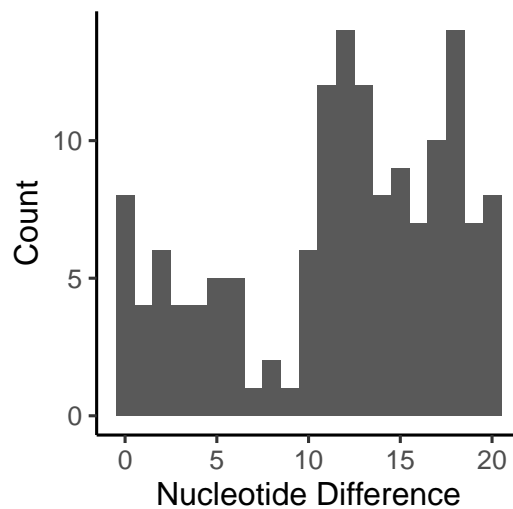
IGHV3-66*04

1 sequences assigned
No exact matches.



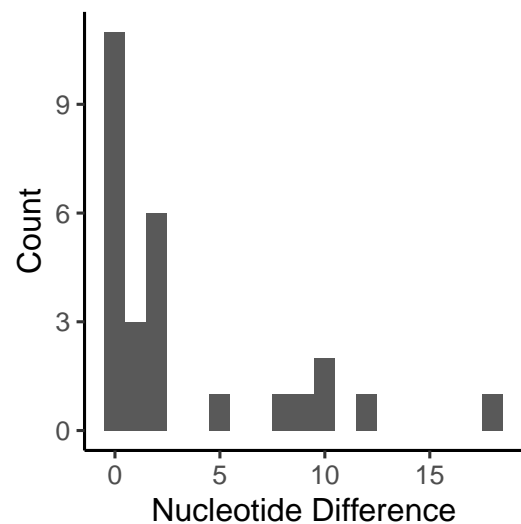
IGHV3-72*01

201 sequences assigned
8 (4%) exact matches, in which:
8 unique CDR3
4 unique J



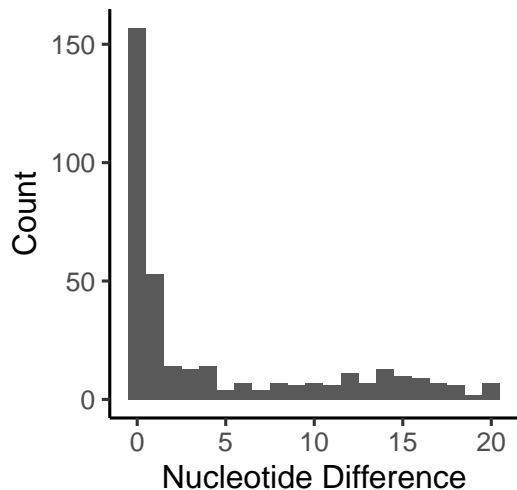
IGHV3-43D*04

28 sequences assigned
11 (39.3%) exact matches, in which:
11 unique CDR3
3 unique J



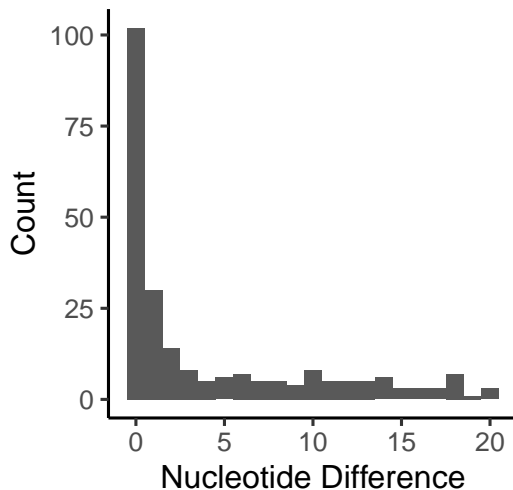
IGHV4-4*02

471 sequences assigned
157 (33.3%) exact matches, in which:
156 unique CDR3
6 unique J



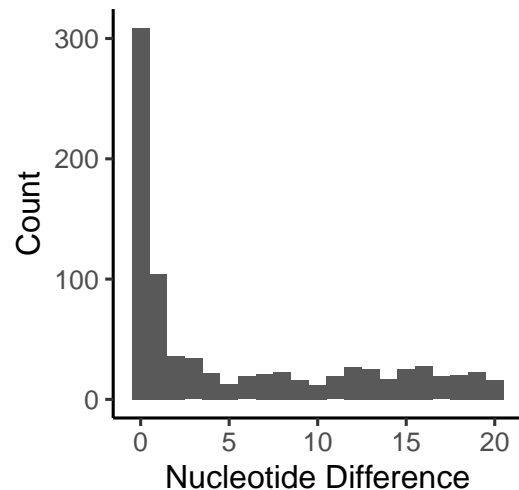
IGHV4-31*03

290 sequences assigned
102 (35.2%) exact matches, in which:
102 unique CDR3
5 unique J



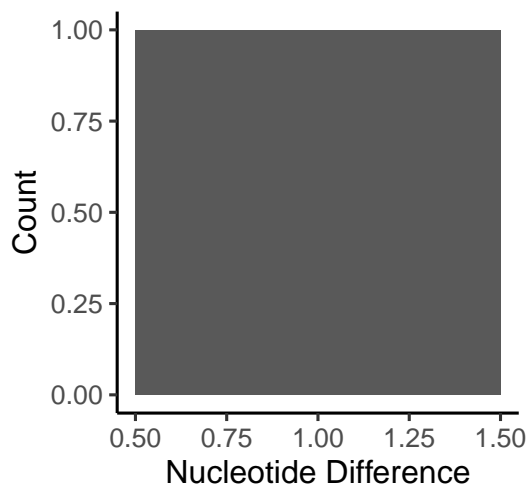
IGHV4-39*01

1089 sequences assigned
309 (28.4%) exact matches, in which:
306 unique CDR3
5 unique J



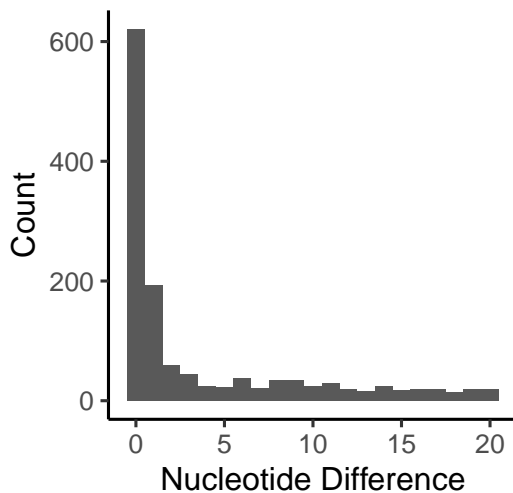
IGHV4-28*01

1 sequences assigned
No exact matches.



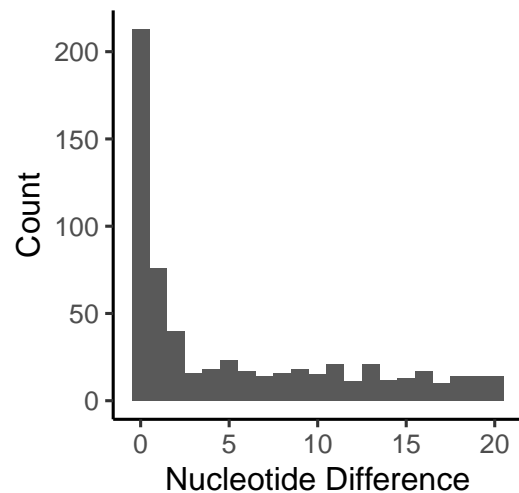
IGHV4-34*01

1485 sequences assigned
621 (41.8%) exact matches, in which:
617 unique CDR3
6 unique J



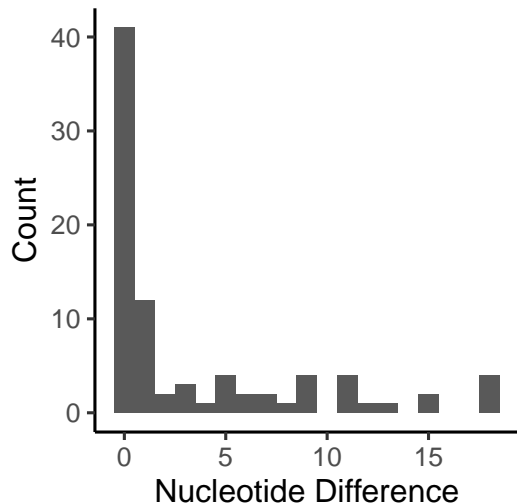
IGHV4-59*01

750 sequences assigned
213 (28.4%) exact matches, in which:
211 unique CDR3
6 unique J



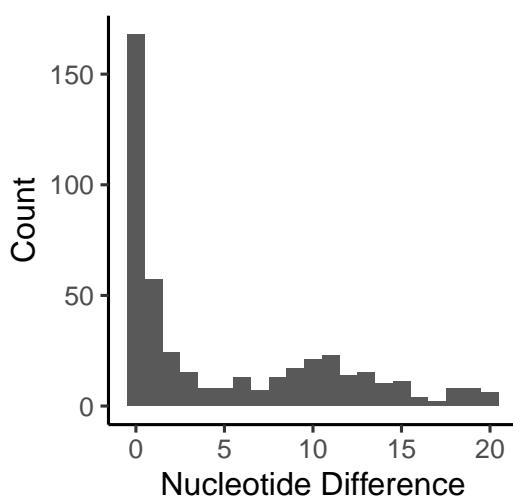
IGHV4-31*01

90 sequences assigned
41 (45.6%) exact matches, in which:
41 unique CDR3
5 unique J



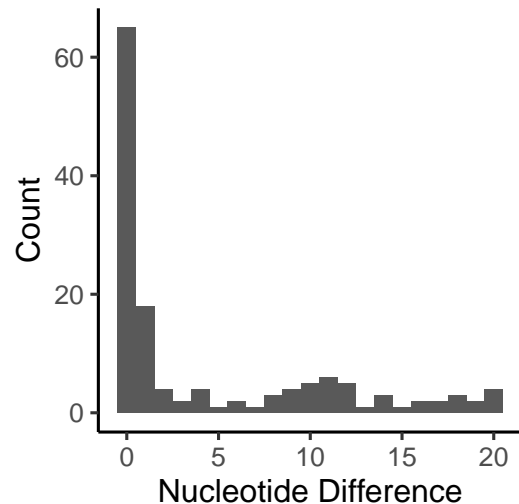
IGHV4-38-2*02_A70G

531 sequences assigned
168 (31.6%) exact matches, in which:
168 unique CDR3
6 unique J



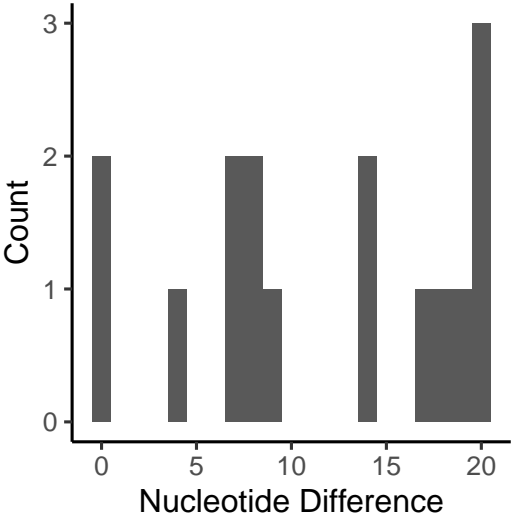
IGHV4-61*01

189 sequences assigned
65 (34.4%) exact matches, in which:
65 unique CDR3
6 unique J



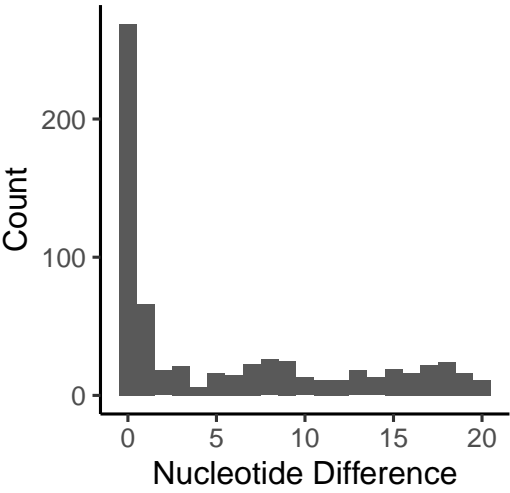
IGHV4-61*08

43 sequences assigned
2 (4.7%) exact matches, in which:
2 unique CDR3
2 unique J



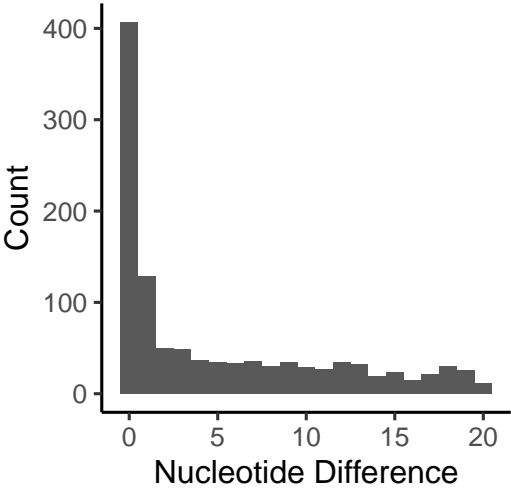
IGHV7-4-1*02

803 sequences assigned
269 (33.5%) exact matches, in which:
266 unique CDR3
6 unique J



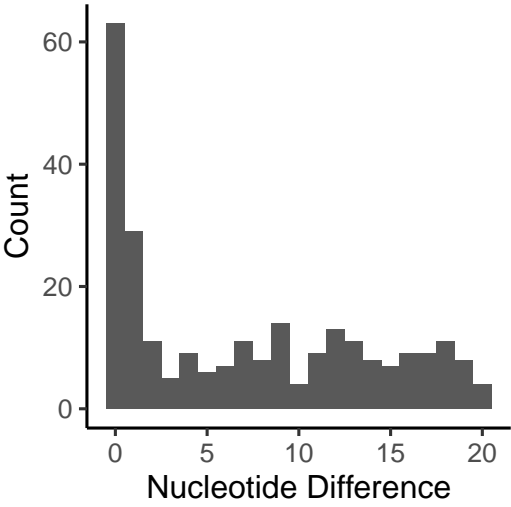
IGHV5-51*01

1257 sequences assigned
407 (32.4%) exact matches, in which:
405 unique CDR3
6 unique J



IGHV6-1*01

290 sequences assigned
63 (21.7%) exact matches, in which:
63 unique CDR3
5 unique J





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.