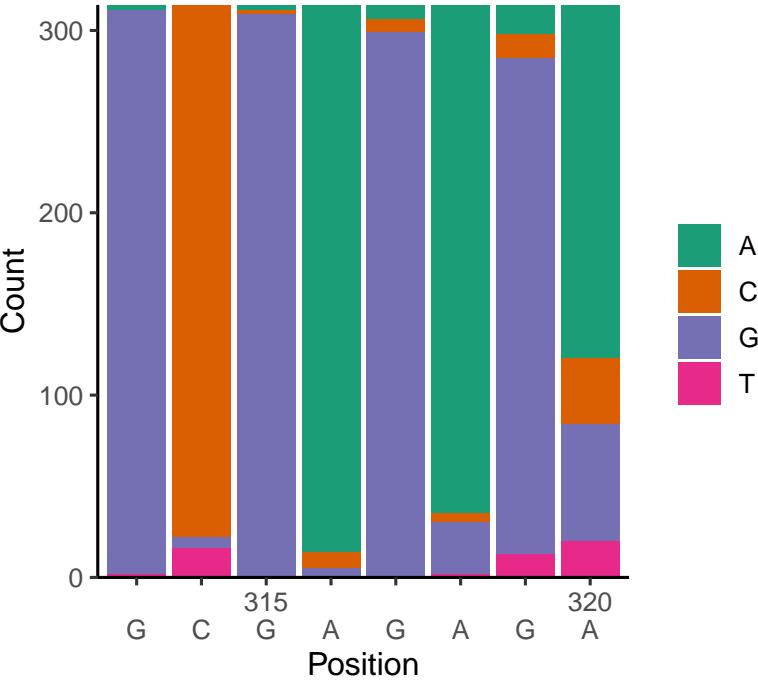
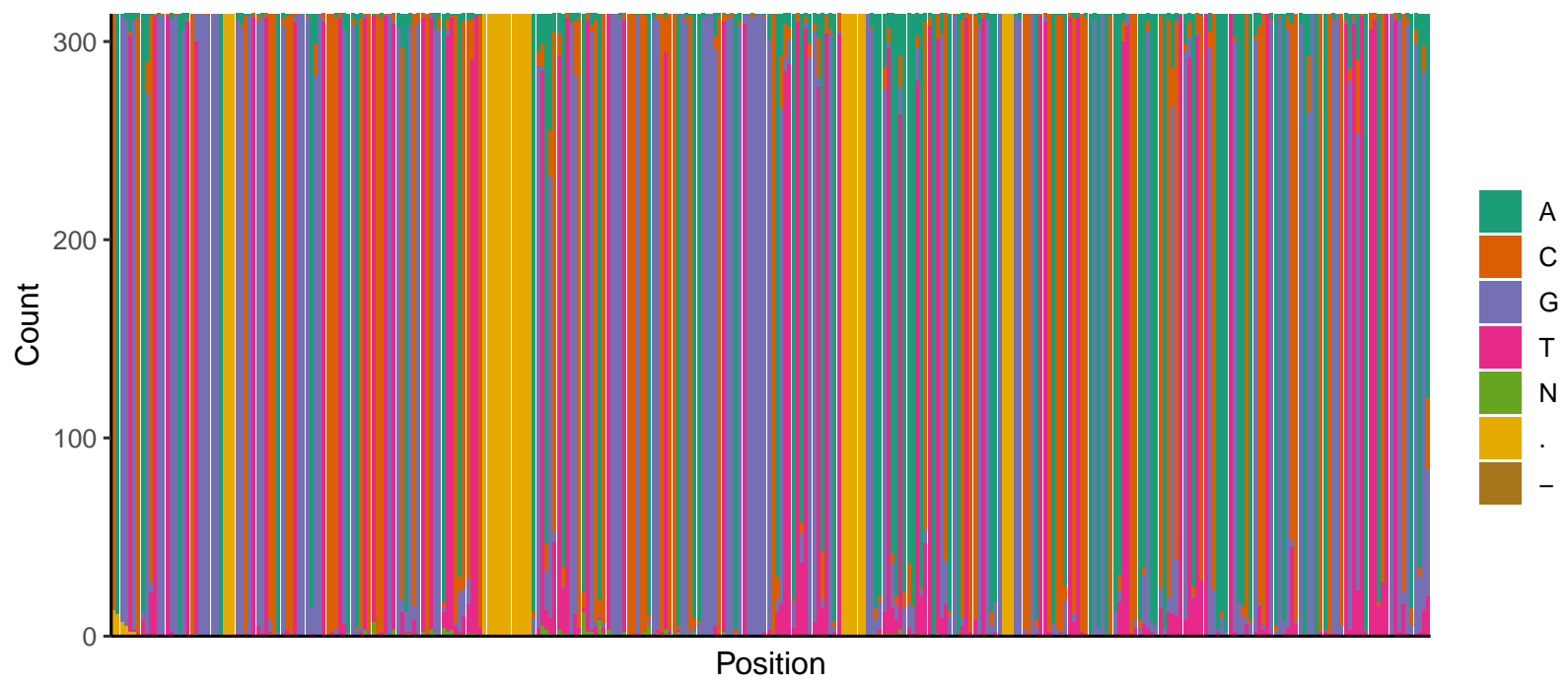


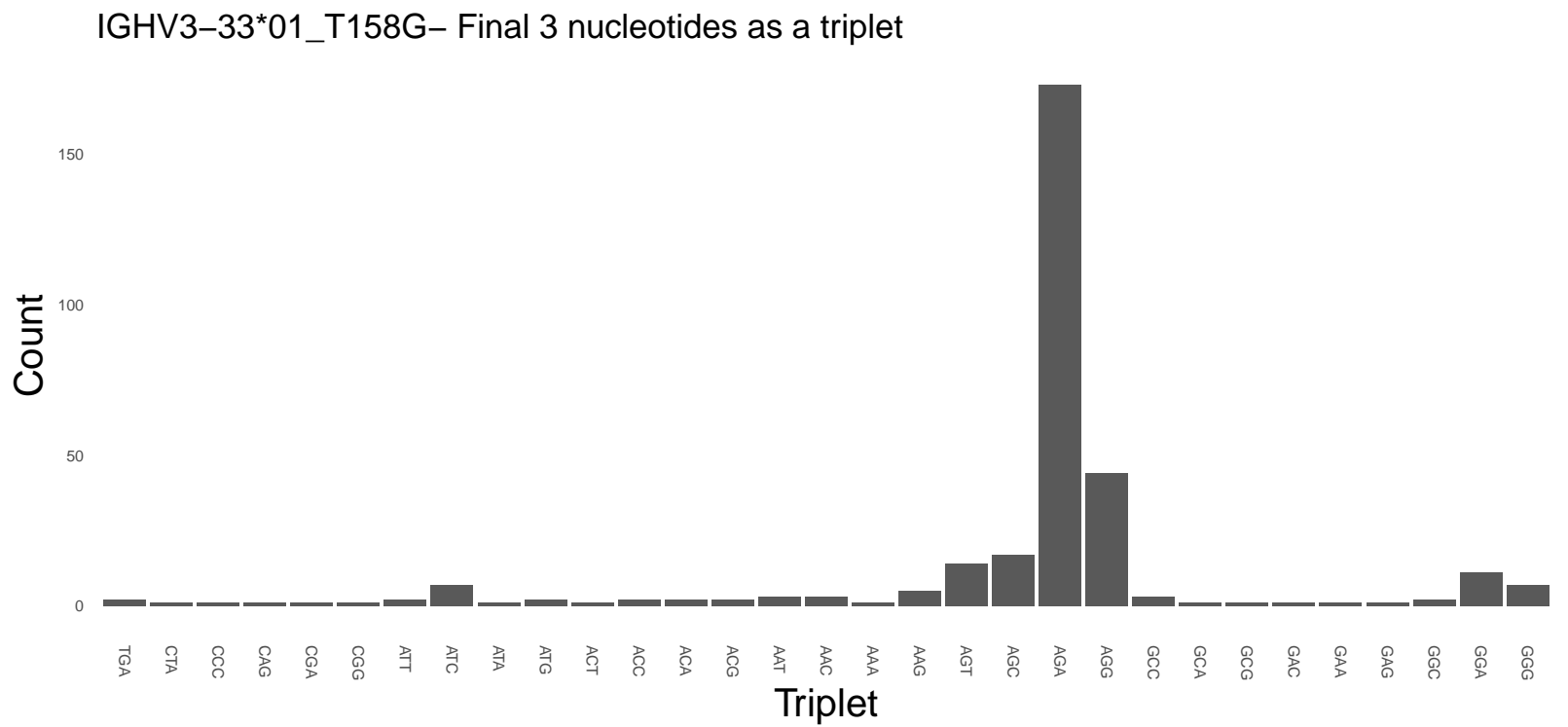
Gene IGHV3-33*01_T158G



Gene IGHV3-33*01_T158G

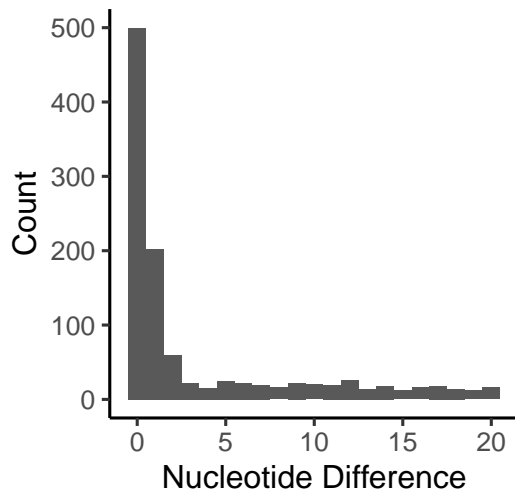


IGHV3-33*01_T158G- Final 3 nucleotides as a triplet



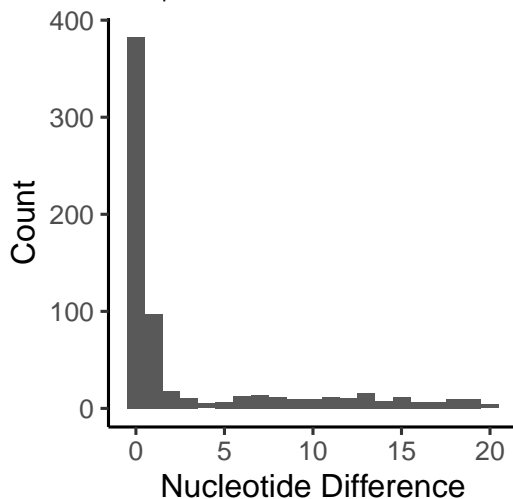
IGHV1-2*02

1253 sequences assigned
500 (39.9%) exact matches, in which:
496 unique CDR3
6 unique J



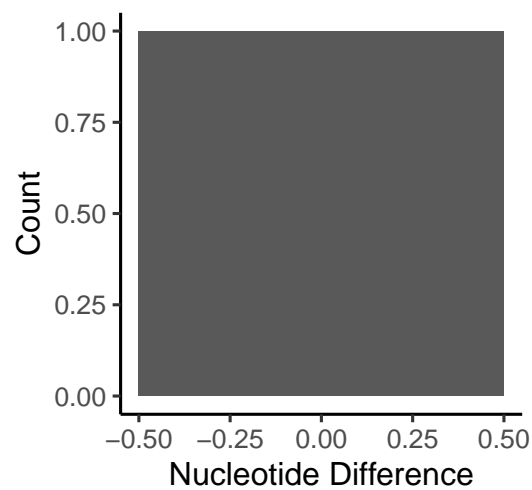
IGHV1-18*01

779 sequences assigned
383 (49.2%) exact matches, in which:
379 unique CDR3
6 unique J



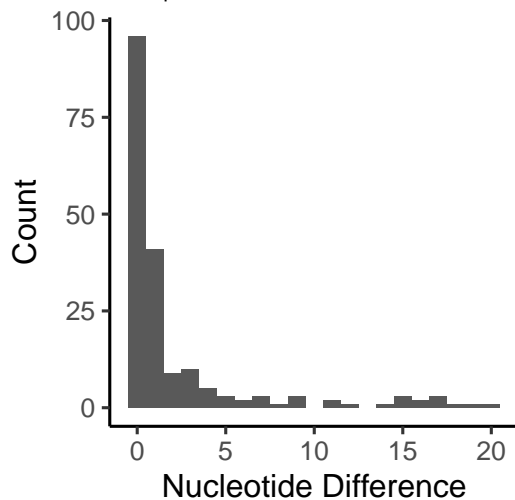
IGHV1-45*02

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



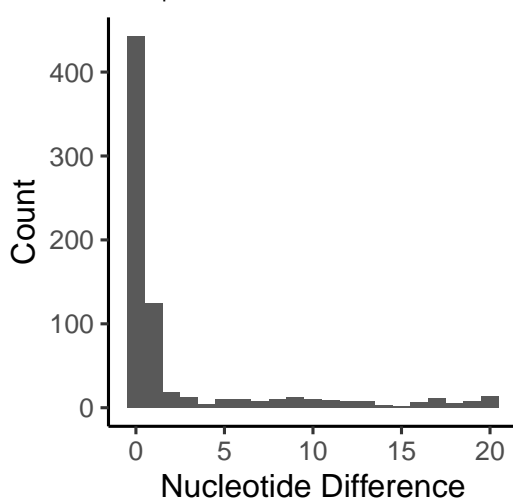
IGHV1-2*04

198 sequences assigned
96 (48.5%) exact matches, in which:
94 unique CDR3
5 unique J



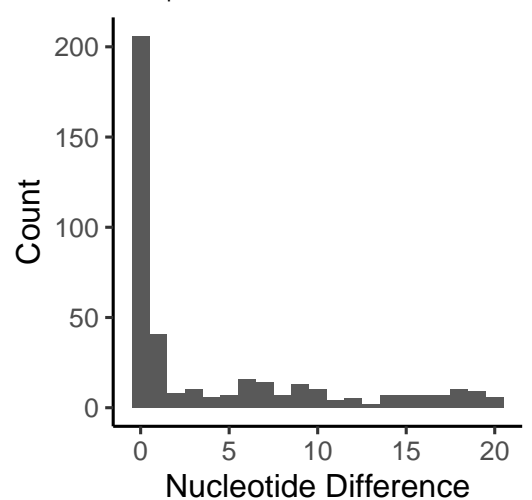
IGHV1-18*04

809 sequences assigned
443 (54.8%) exact matches, in which:
441 unique CDR3
6 unique J



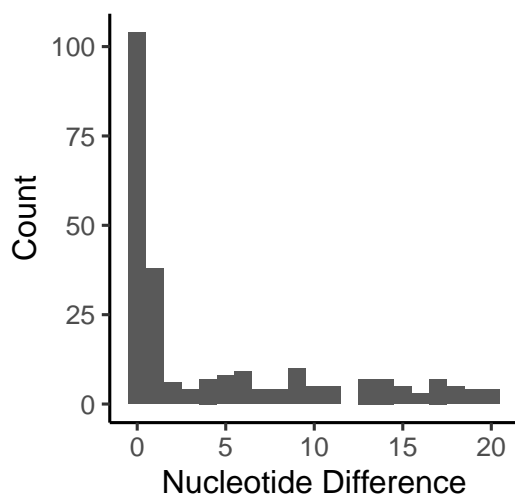
IGHV1-46*01

450 sequences assigned
206 (45.8%) exact matches, in which:
206 unique CDR3
6 unique J



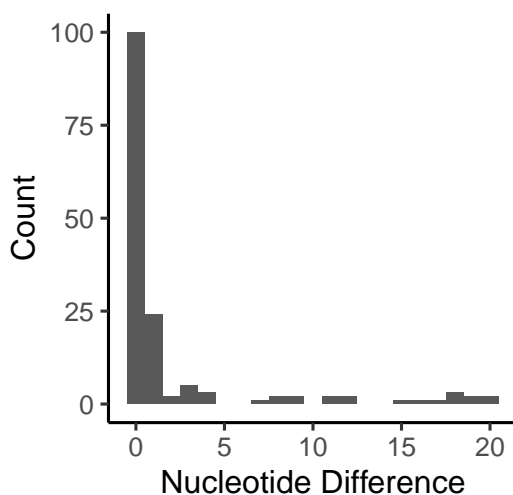
IGHV1-3*01

326 sequences assigned
104 (31.9%) exact matches, in which:
104 unique CDR3
5 unique J



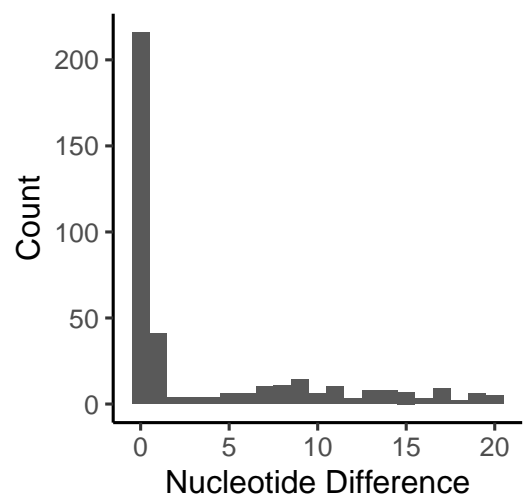
IGHV1-24*01

165 sequences assigned
100 (60.6%) exact matches, in which:
100 unique CDR3
6 unique J



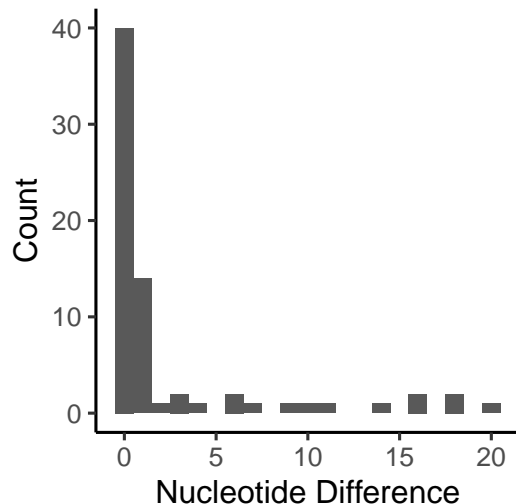
IGHV1-46*03

447 sequences assigned
216 (48.3%) exact matches, in which:
214 unique CDR3
6 unique J



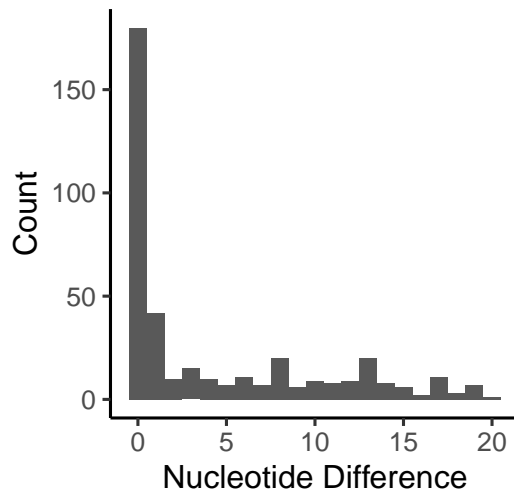
IGHV1-58*01

72 sequences assigned
40 (55.6%) exact matches, in which:
40 unique CDR3
4 unique J



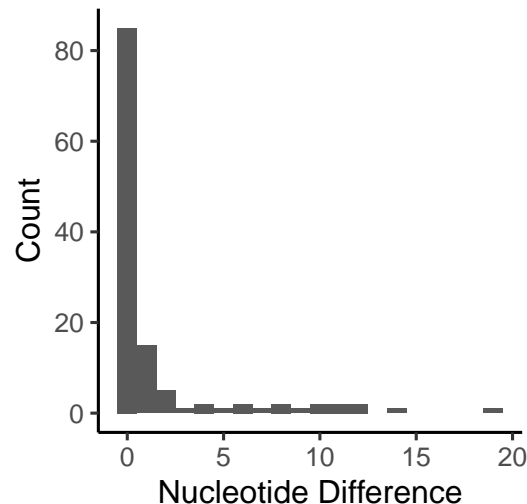
IGHV2-5*01

411 sequences assigned
180 (43.8%) exact matches, in which:
180 unique CDR3
6 unique J



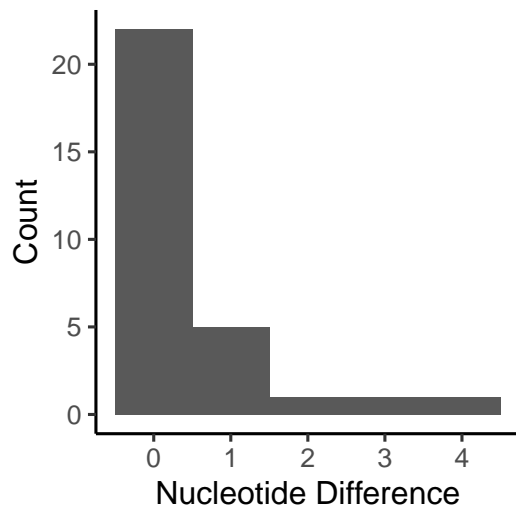
IGHV2-70*01

123 sequences assigned
85 (69.1%) exact matches, in which:
85 unique CDR3
5 unique J



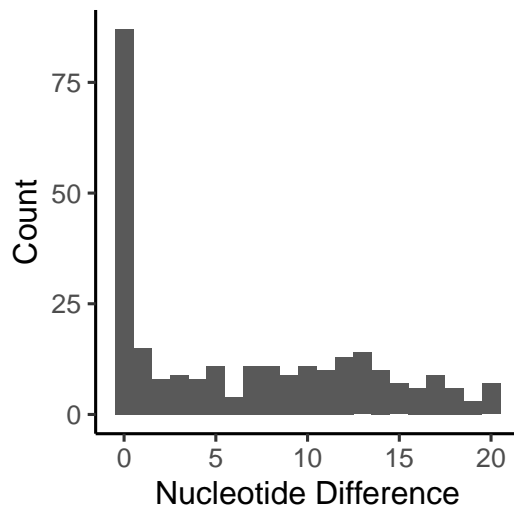
IGHV1-69-2*01

40 sequences assigned
22 (55%) exact matches, in which:
22 unique CDR3
5 unique J



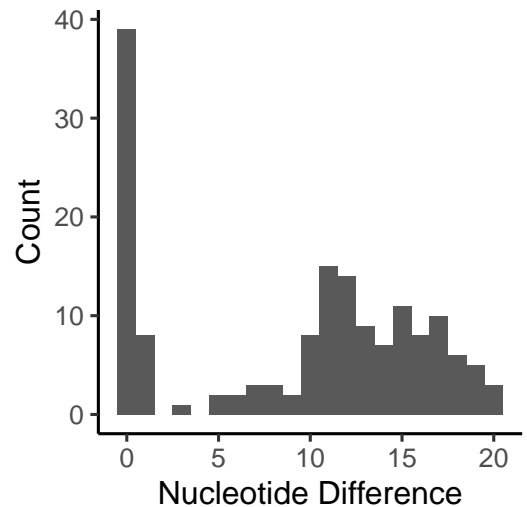
IGHV2-5*02

317 sequences assigned
87 (27.4%) exact matches, in which:
86 unique CDR3
6 unique J



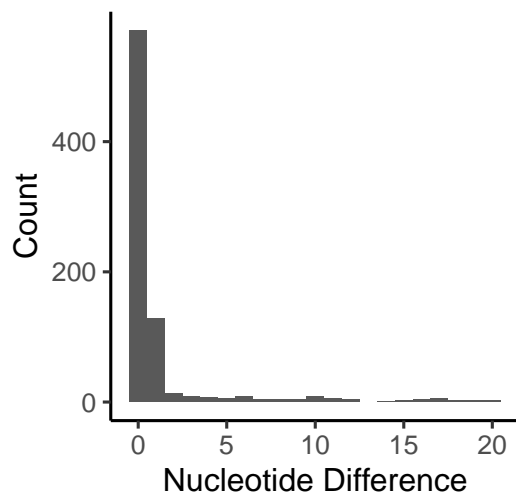
IGHV3-7*01

194 sequences assigned
39 (20.1%) exact matches, in which:
39 unique CDR3
6 unique J



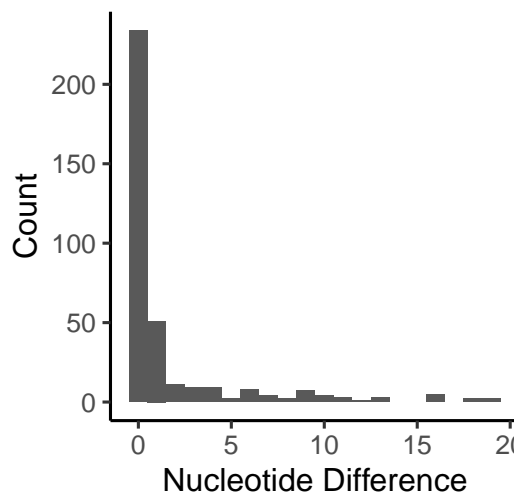
IGHV1-69*06

881 sequences assigned
571 (64.8%) exact matches, in which:
559 unique CDR3
6 unique J



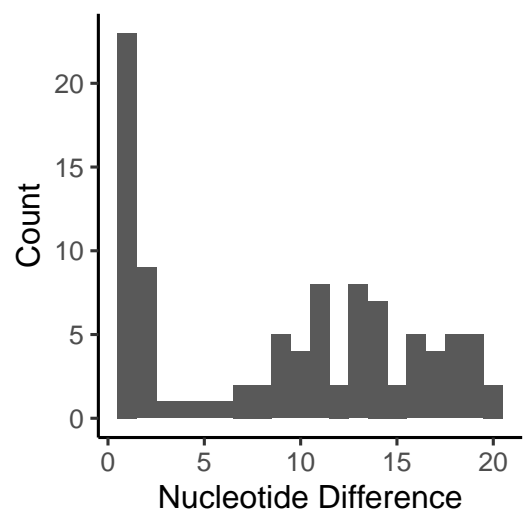
IGHV2-26*01

370 sequences assigned
234 (63.2%) exact matches, in which:
234 unique CDR3
6 unique J



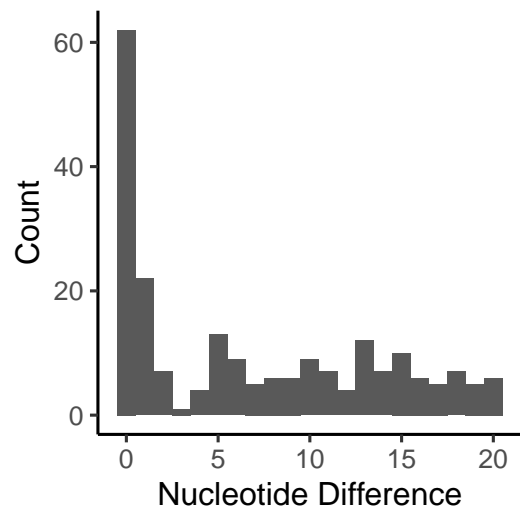
IGHV3-7*04

127 sequences assigned
No exact matches.



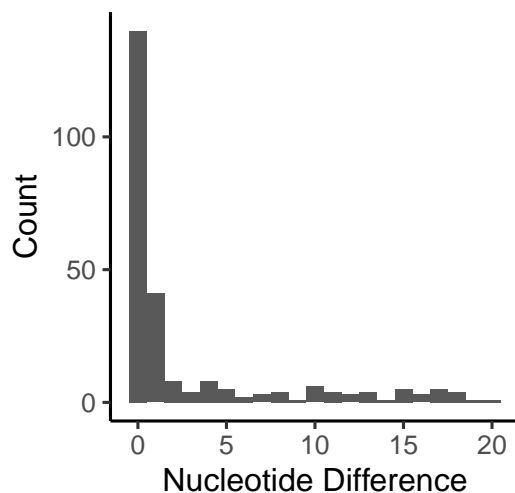
IGHV3-7*05

252 sequences assigned
62 (24.6%) exact matches, in which:
62 unique CDR3
5 unique J



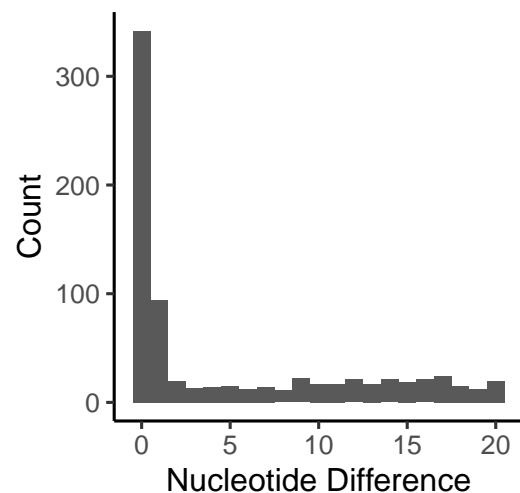
IGHV3-11*06

292 sequences assigned
140 (47.9%) exact matches, in which:
140 unique CDR3
5 unique J



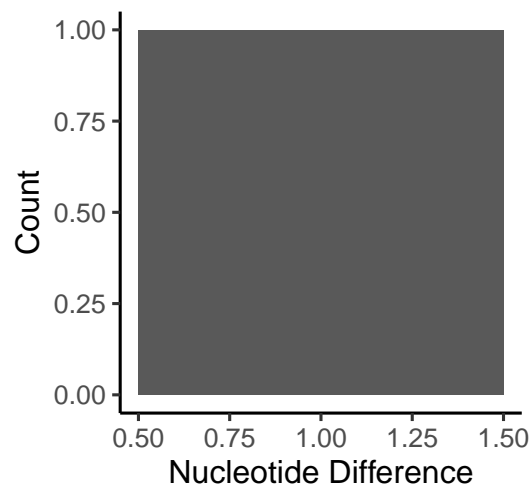
IGHV3-15*01

895 sequences assigned
342 (38.2%) exact matches, in which:
342 unique CDR3
6 unique J



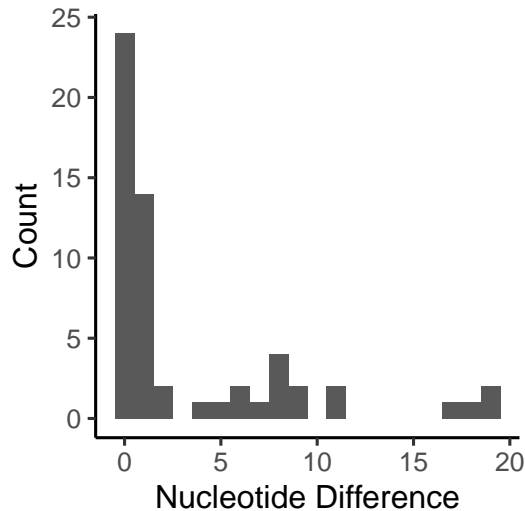
IGHV3-9*01

1 sequences assigned
No exact matches.



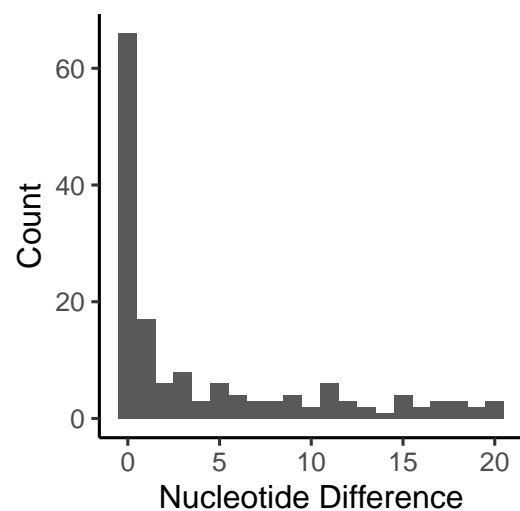
IGHV3-13*04

65 sequences assigned
24 (36.9%) exact matches, in which:
24 unique CDR3
4 unique J



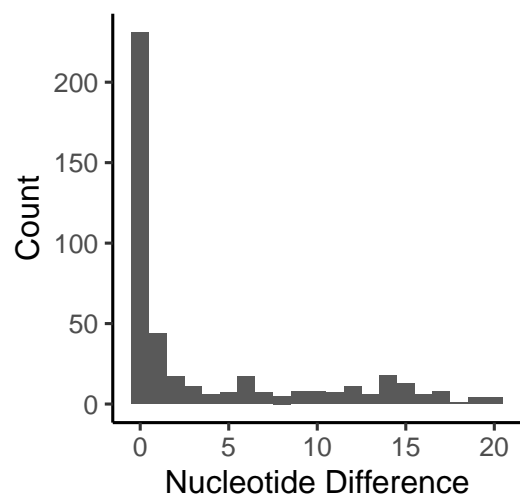
IGHV3-20*04

168 sequences assigned
66 (39.3%) exact matches, in which:
66 unique CDR3
4 unique J



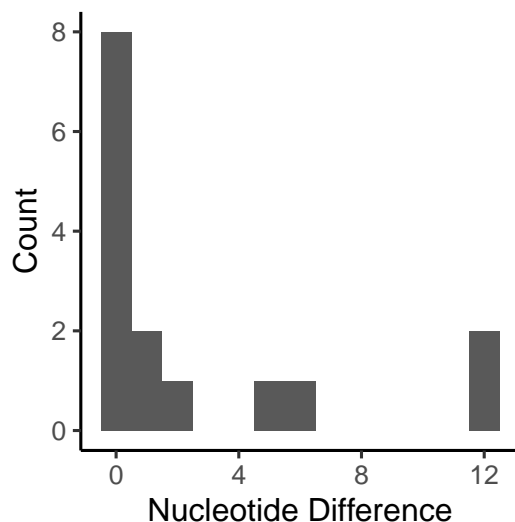
IGHV3-11*05

508 sequences assigned
231 (45.5%) exact matches, in which:
230 unique CDR3
6 unique J



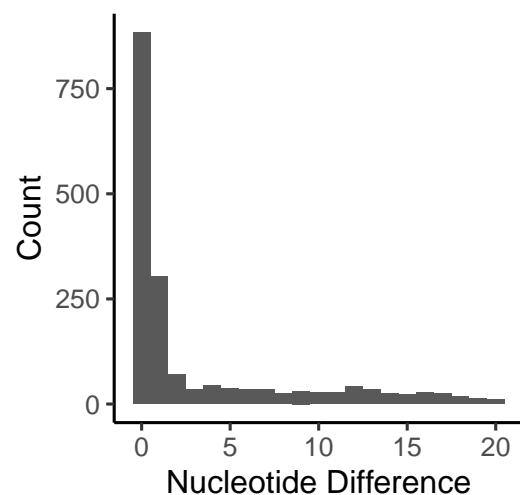
IGHV3-13*05

16 sequences assigned
8 (50%) exact matches, in which:
8 unique CDR3
3 unique J



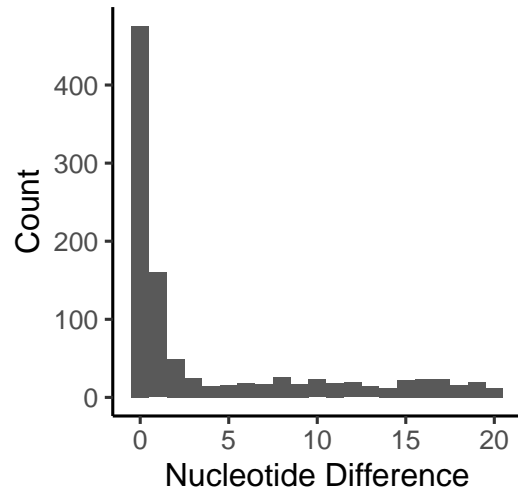
IGHV3-21*01

1935 sequences assigned
884 (45.7%) exact matches, in which:
879 unique CDR3
6 unique J



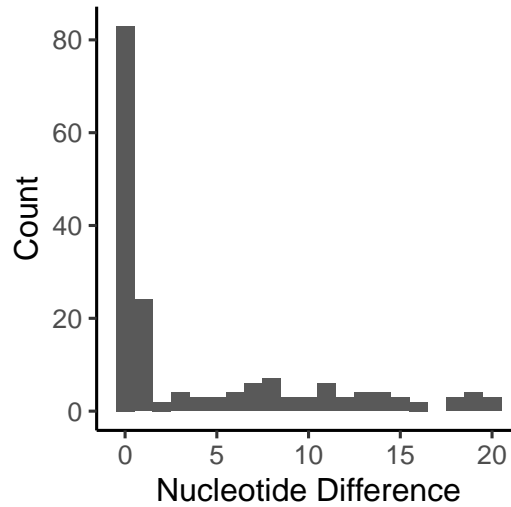
IGHV3-33*01

1173 sequences assigned
476 (40.6%) exact matches, in which:
472 unique CDR3
6 unique J



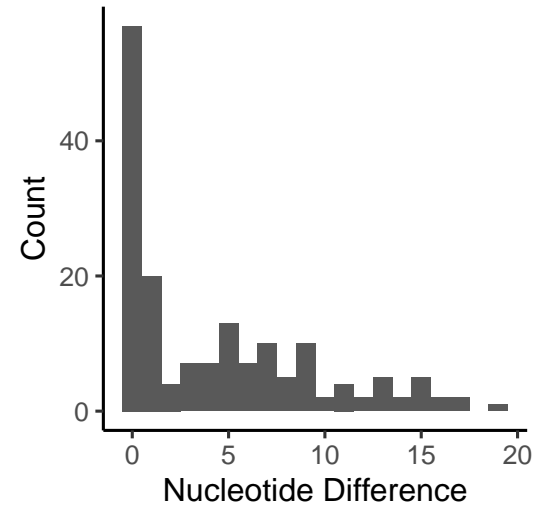
IGHV3-43*02

217 sequences assigned
83 (38.2%) exact matches, in which:
83 unique CDR3
6 unique J



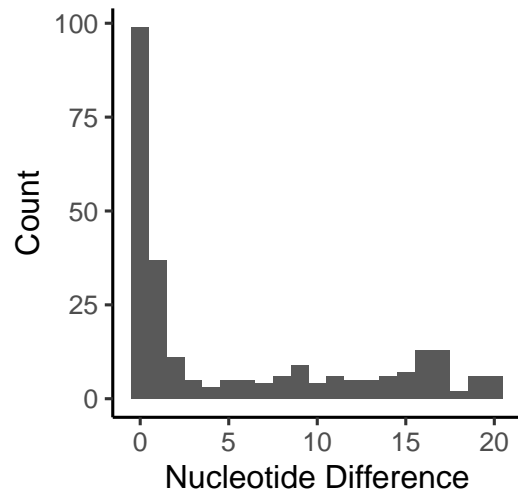
IGHV3-49*03

202 sequences assigned
57 (28.2%) exact matches, in which:
57 unique CDR3
4 unique J



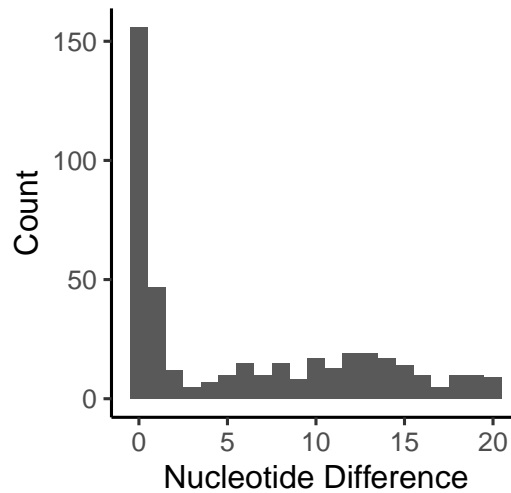
IGHV3-33*01_T158G

314 sequences assigned
99 (31.5%) exact matches, in which:
99 unique CDR3
5 unique J



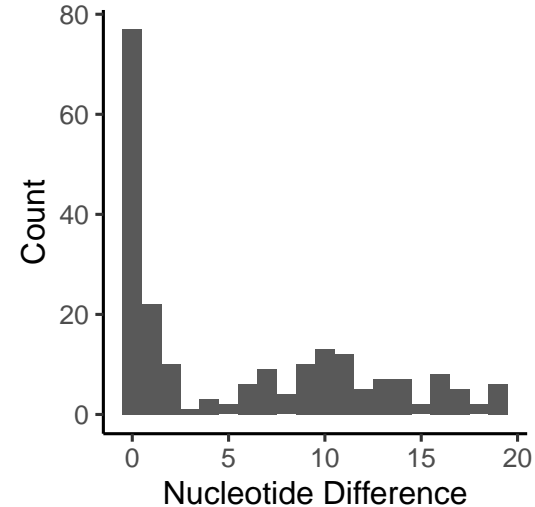
IGHV3-48*01

493 sequences assigned
156 (31.6%) exact matches, in which:
154 unique CDR3
6 unique J



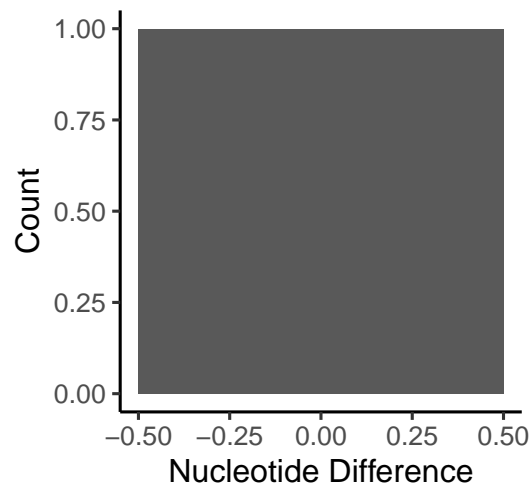
IGHV3-49*04

249 sequences assigned
77 (30.9%) exact matches, in which:
77 unique CDR3
4 unique J



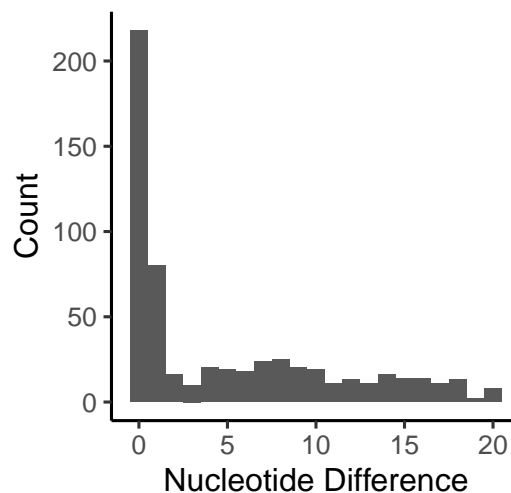
IGHV3-35*01

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



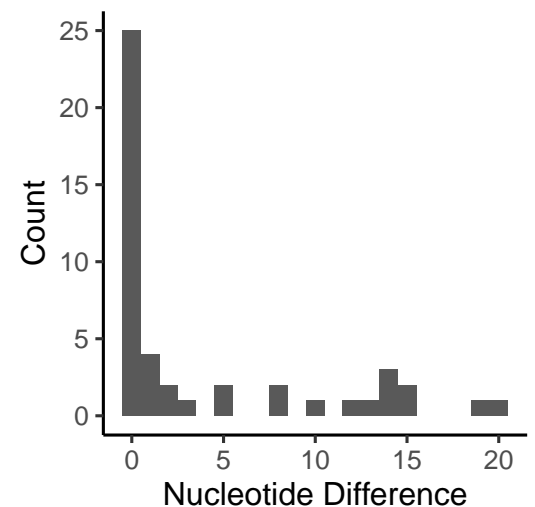
IGHV3-48*03

650 sequences assigned
218 (33.5%) exact matches, in which:
217 unique CDR3
6 unique J



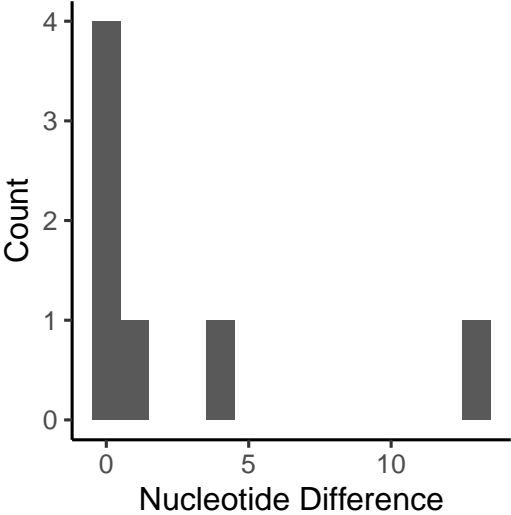
IGHV3-53*04

56 sequences assigned
25 (44.6%) exact matches, in which:
25 unique CDR3
6 unique J



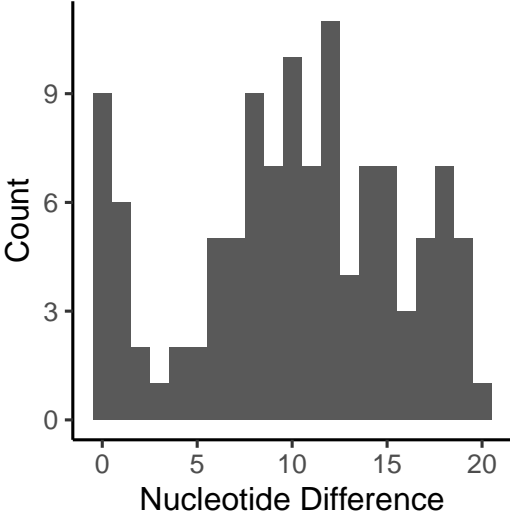
IGHV3-64*02

8 sequences assigned
4 (50%) exact matches, in which:
4 unique CDR3
2 unique J



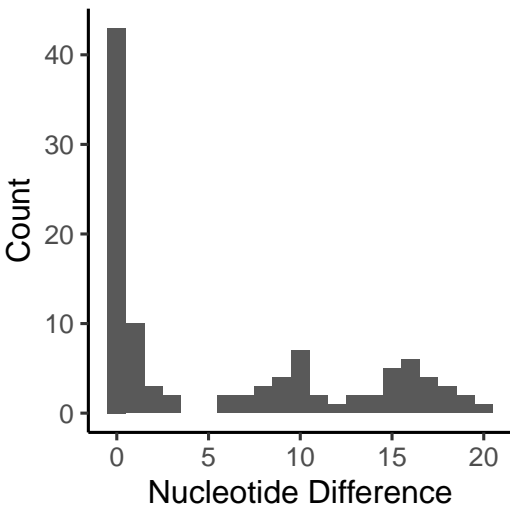
IGHV3-72*01

132 sequences assigned
9 (6.8%) exact matches, in which:
9 unique CDR3
3 unique J



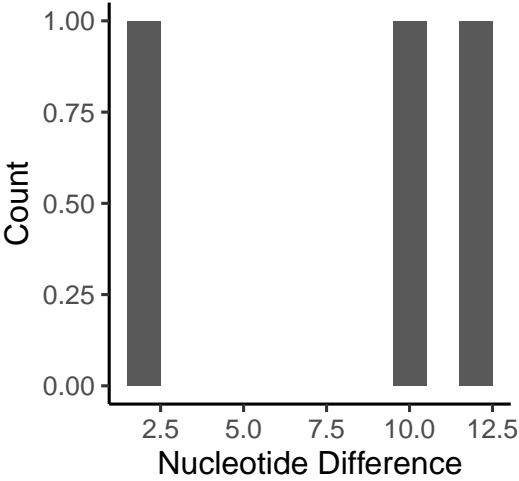
IGHV3-64D*06

120 sequences assigned
43 (35.8%) exact matches, in which:
43 unique CDR3
5 unique J



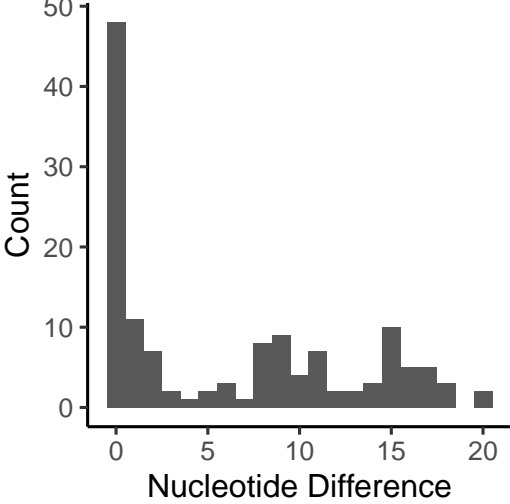
IGHV3-66*03

3 sequences assigned
No exact matches.



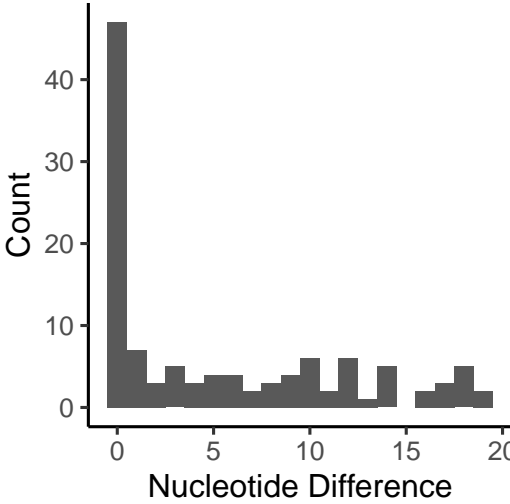
IGHV3-73*02

148 sequences assigned
48 (32.4%) exact matches, in which:
48 unique CDR3
4 unique J



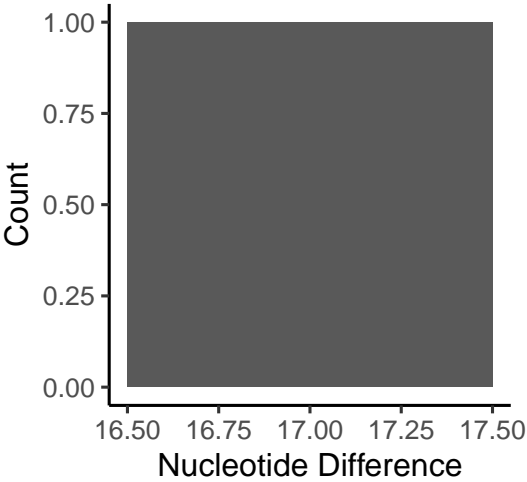
IGHV3-64D*08

134 sequences assigned
47 (35.1%) exact matches, in which:
47 unique CDR3
5 unique J



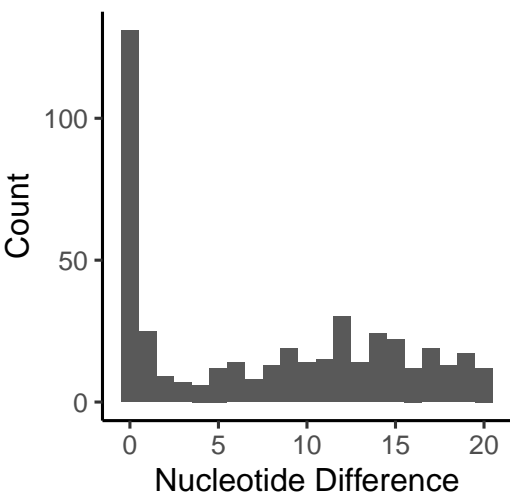
IGHV3-69-1*01

2 sequences assigned
No exact matches.



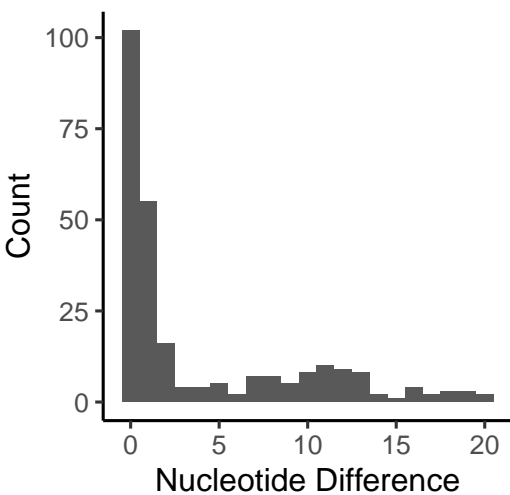
IGHV3-74*01

514 sequences assigned
131 (25.5%) exact matches, in which:
131 unique CDR3
6 unique J



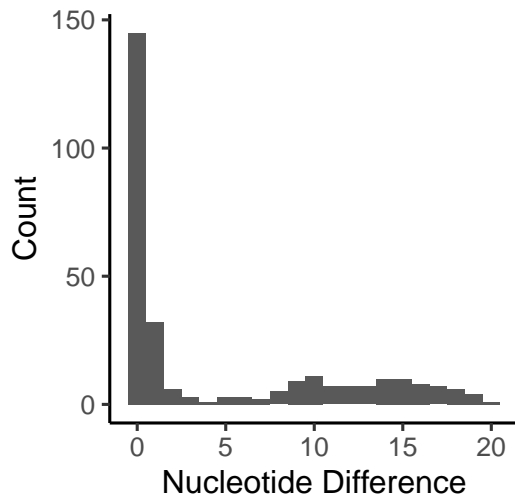
IGHV4-4*02

319 sequences assigned
102 (32%) exact matches, in which:
102 unique CDR3
5 unique J



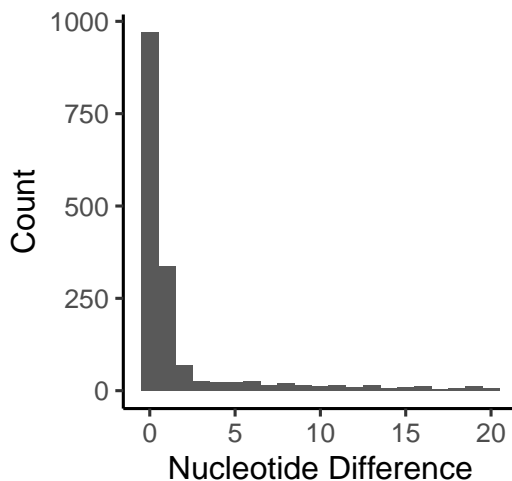
IGHV4-4*07

310 sequences assigned
145 (46.8%) exact matches, in which:
145 unique CDR3
5 unique J



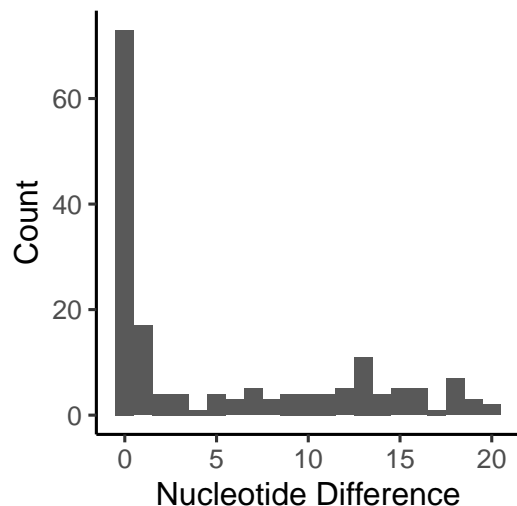
IGHV4-34*01

1748 sequences assigned
970 (55.5%) exact matches, in which:
962 unique CDR3
6 unique J



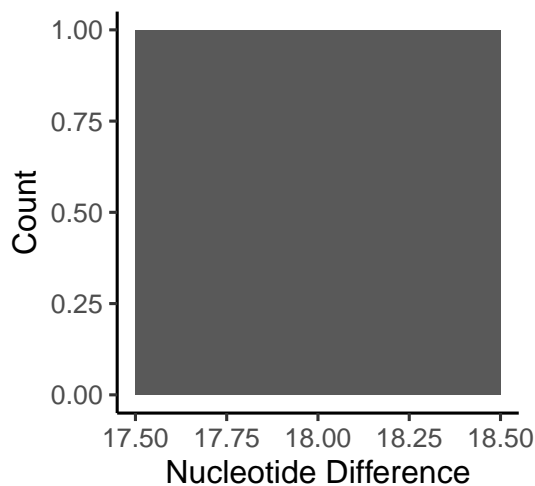
IGHV4-61*01

211 sequences assigned
73 (34.6%) exact matches, in which:
73 unique CDR3
5 unique J



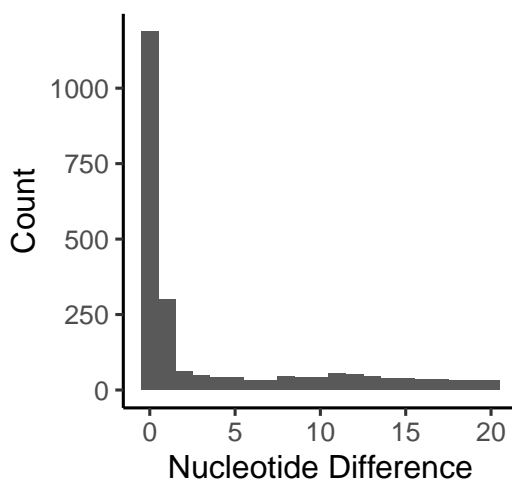
IGHV4-30-4*08

1 sequences assigned
No exact matches.



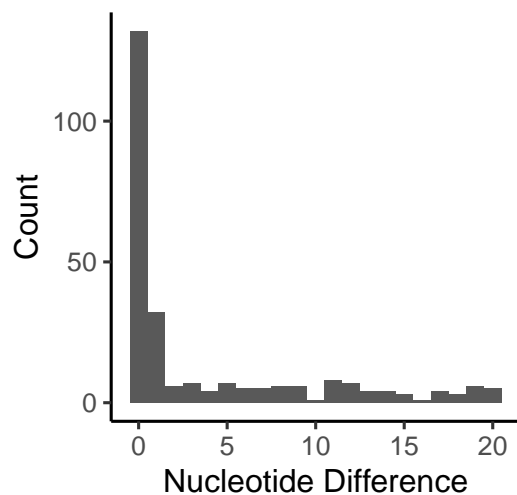
IGHV4-39*01

2574 sequences assigned
1187 (46.1%) exact matches, in which:
1180 unique CDR3
6 unique J



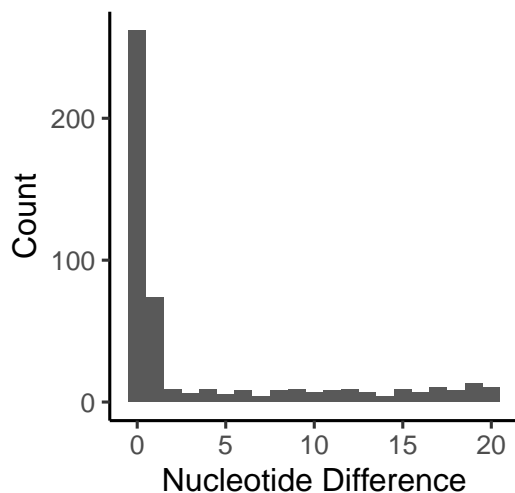
IGHV5-10-1*01

291 sequences assigned
132 (45.4%) exact matches, in which:
132 unique CDR3
6 unique J



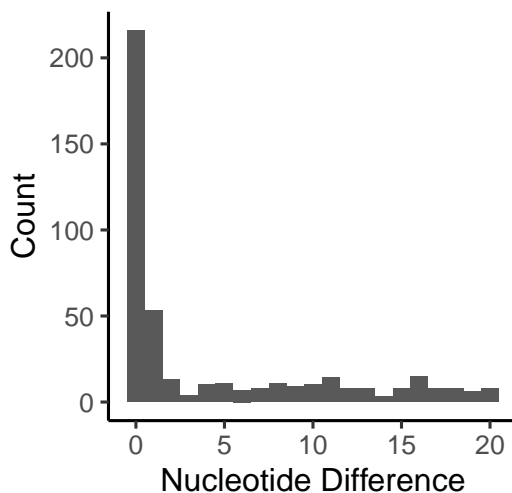
IGHV4-31*03

553 sequences assigned
262 (47.4%) exact matches, in which:
262 unique CDR3
6 unique J



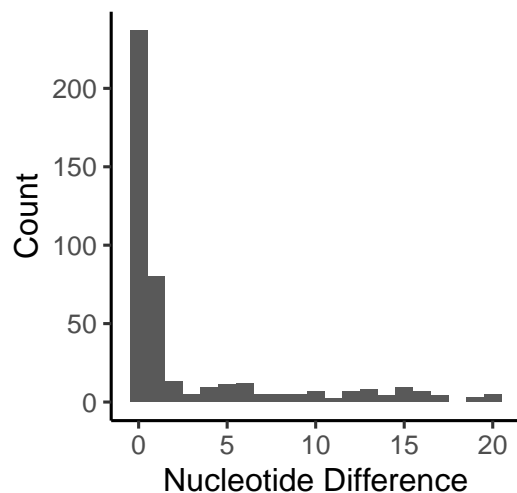
IGHV4-59*01

528 sequences assigned
216 (40.9%) exact matches, in which:
216 unique CDR3
6 unique J



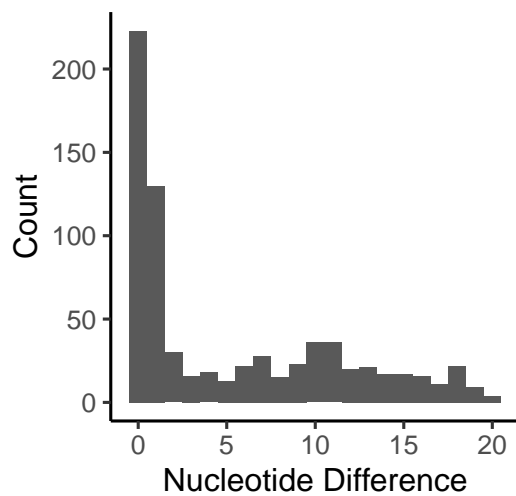
IGHV5-10-1*03

482 sequences assigned
237 (49.2%) exact matches, in which:
237 unique CDR3
6 unique J



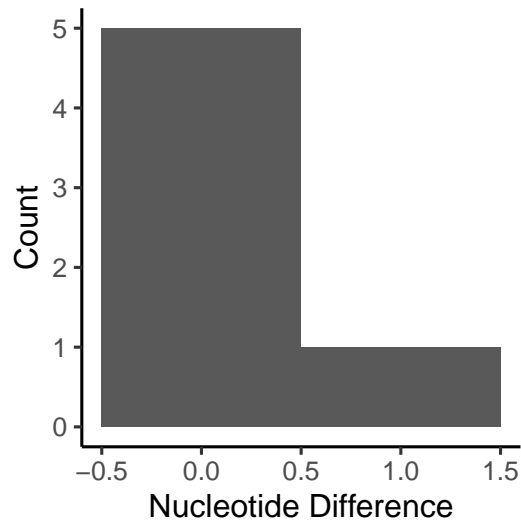
IGHV5-51*01

817 sequences assigned
223 (27.3%) exact matches, in which:
223 unique CDR3
6 unique J



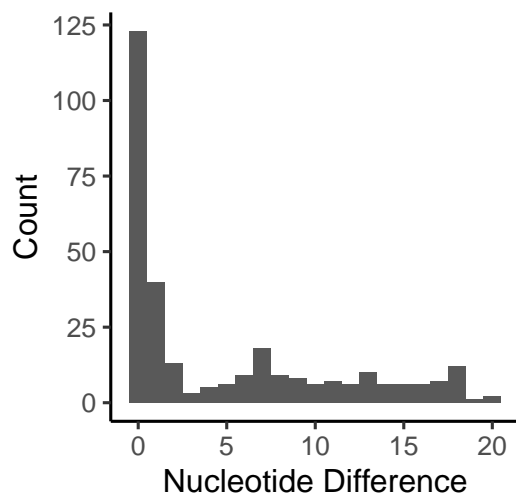
IGHV7-4-1*01

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
3 unique J



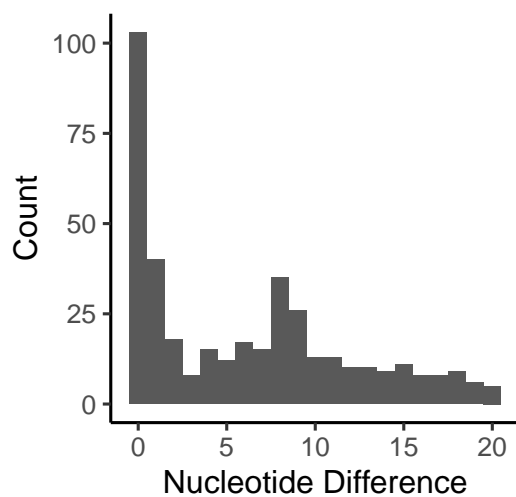
IGHV5-51*03

334 sequences assigned
123 (36.8%) exact matches, in which:
123 unique CDR3
5 unique J



IGHV6-1*01

424 sequences assigned
103 (24.3%) exact matches, in which:
102 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.

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