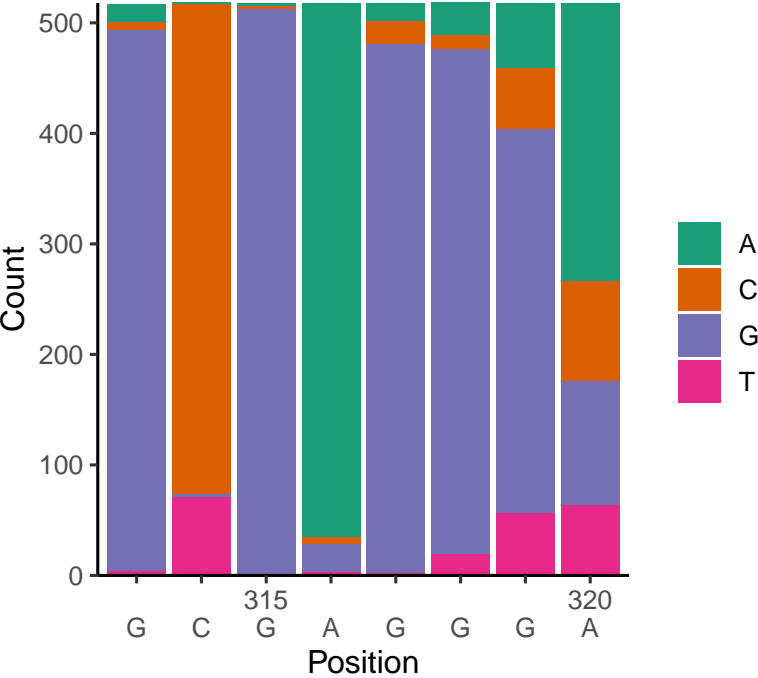


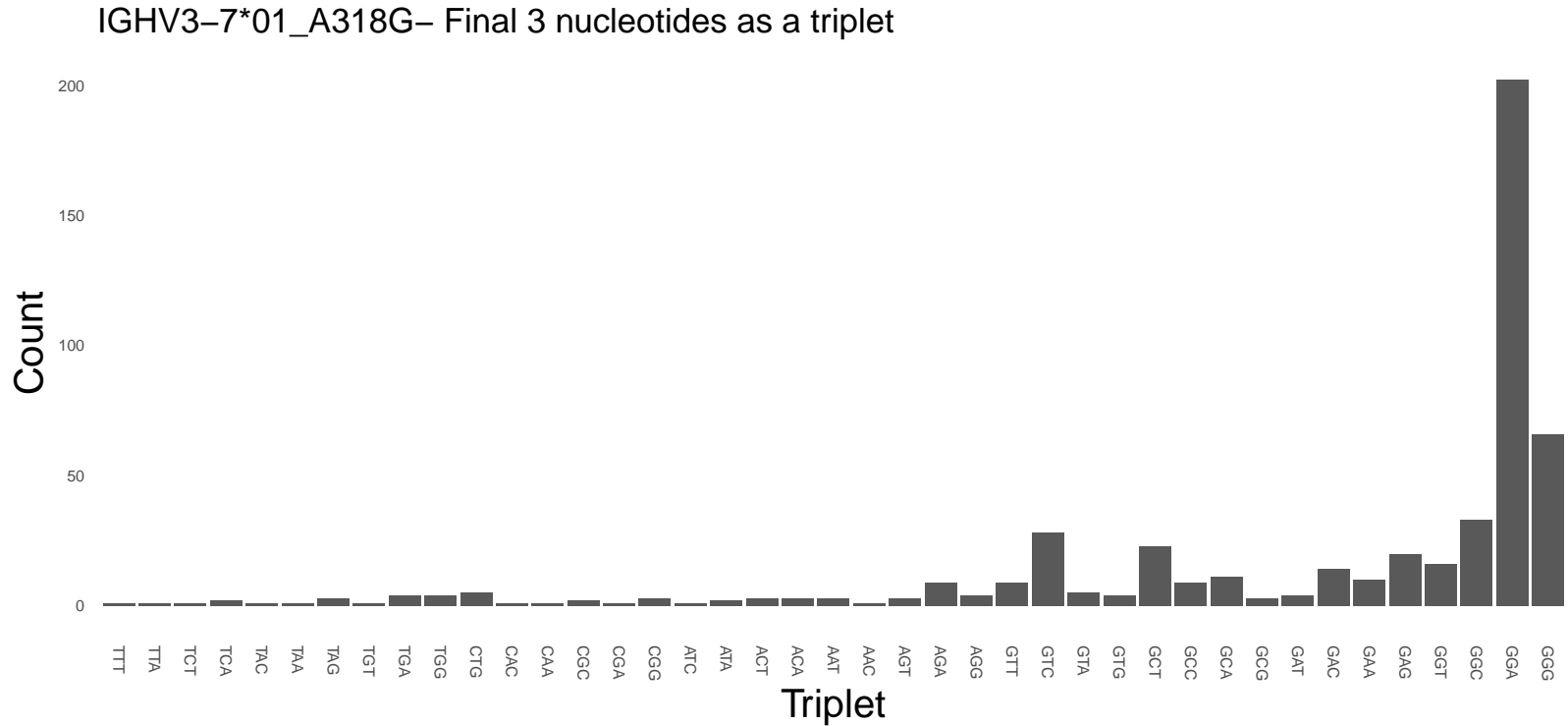
Gene IGHV3-7*01_A318G



Gene IGHV3-7*01_A318G

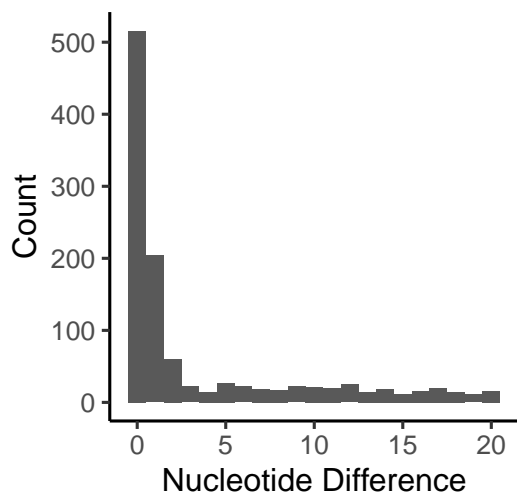


IGHV3-7*01_A318G- Final 3 nucleotides as a triplet



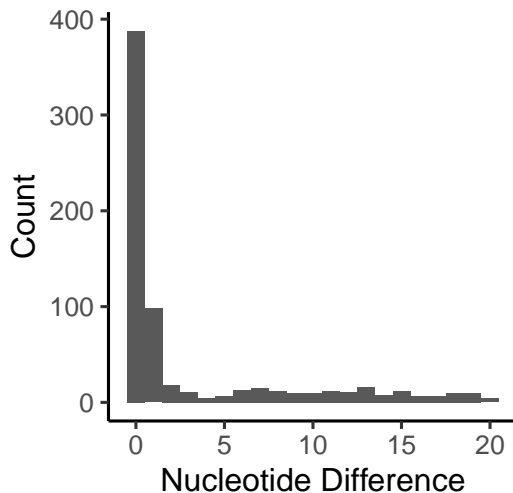
IGHV1-2*02

1290 sequences assigned
516 (40%) exact matches, in which:
499 unique CDR3
6 unique J



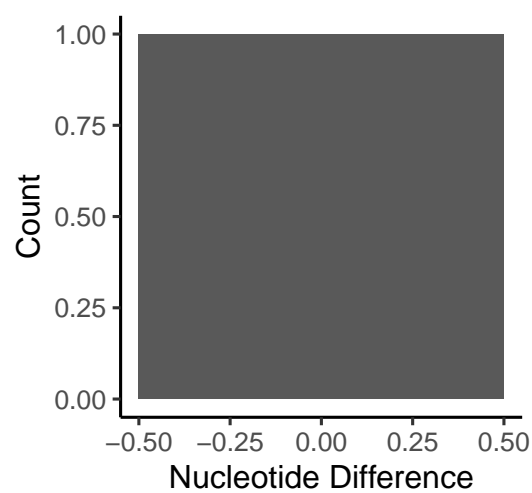
IGHV1-18*01

789 sequences assigned
388 (49.2%) exact matches, in which:
380 unique CDR3
6 unique J



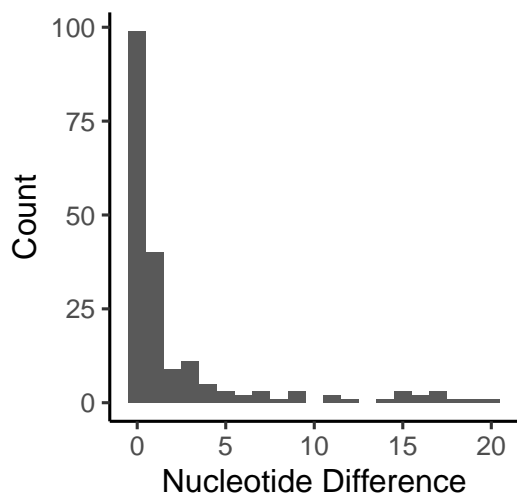
IGHV1-45*02

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



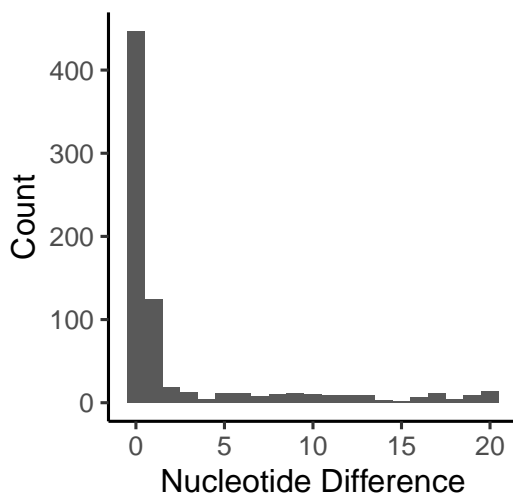
IGHV1-2*04

203 sequences assigned
99 (48.8%) exact matches, in which:
94 unique CDR3
5 unique J



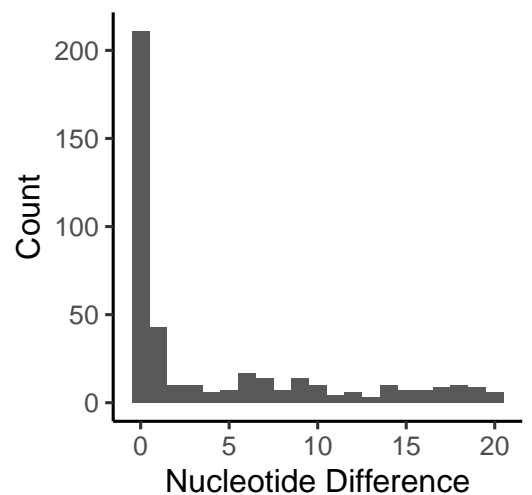
IGHV1-18*04

820 sequences assigned
447 (54.5%) exact matches, in which:
441 unique CDR3
6 unique J



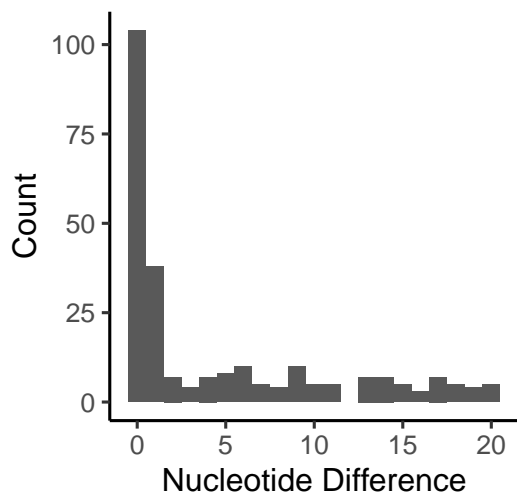
IGHV1-46*01

471 sequences assigned
211 (44.8%) exact matches, in which:
208 unique CDR3
6 unique J



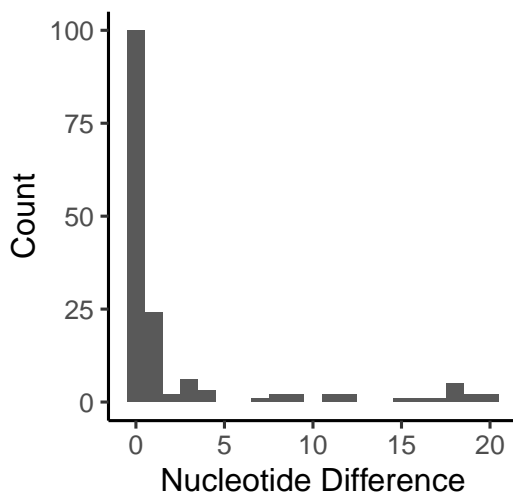
IGHV1-3*01

339 sequences assigned
104 (30.7%) exact matches, in which:
104 unique CDR3
5 unique J



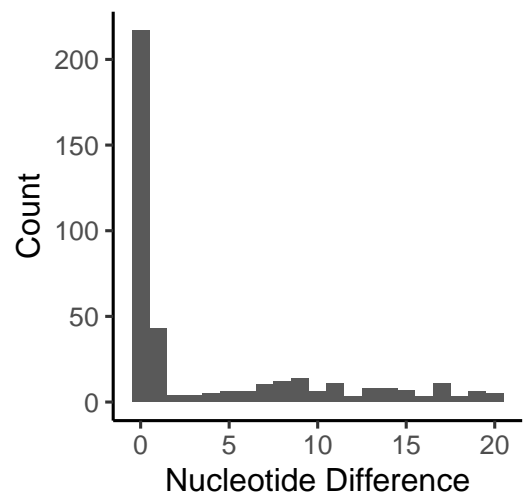
IGHV1-24*01

168 sequences assigned
100 (59.5%) exact matches, in which:
100 unique CDR3
6 unique J



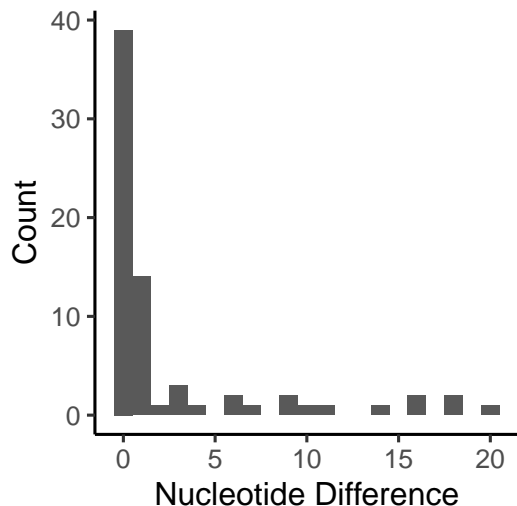
IGHV1-46*03

461 sequences assigned
217 (47.1%) exact matches, in which:
214 unique CDR3
6 unique J



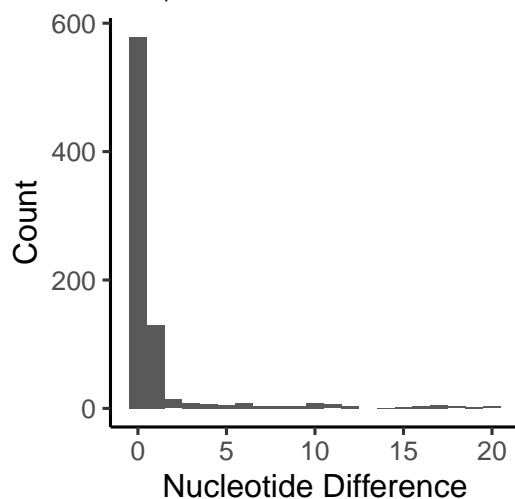
IGHV1-58*01

73 sequences assigned
39 (53.4%) exact matches, in which:
39 unique CDR3
4 unique J



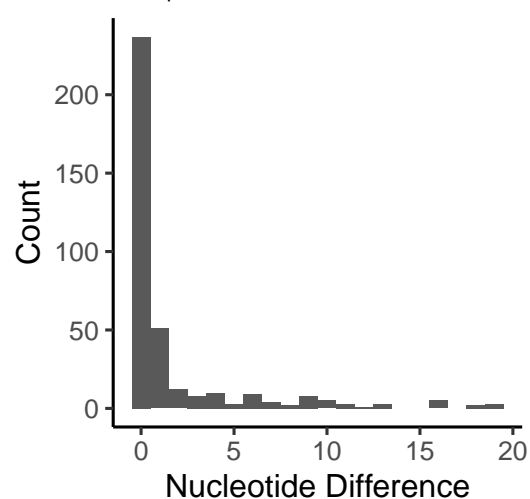
IGHV1-69*06

902 sequences assigned
579 (64.2%) exact matches, in which:
560 unique CDR3
6 unique J



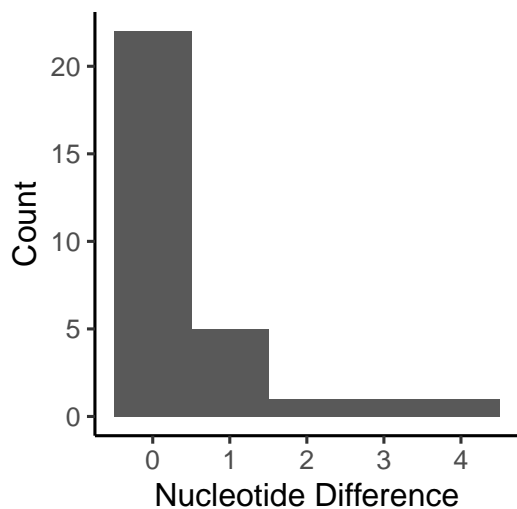
IGHV2-26*01

382 sequences assigned
237 (62%) exact matches, in which:
234 unique CDR3
6 unique J



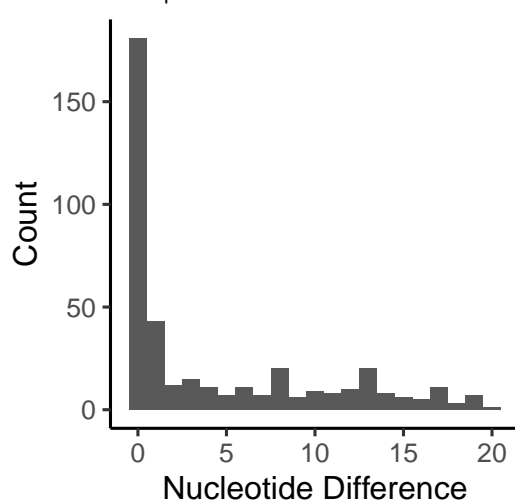
IGHV1-69-2*01

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



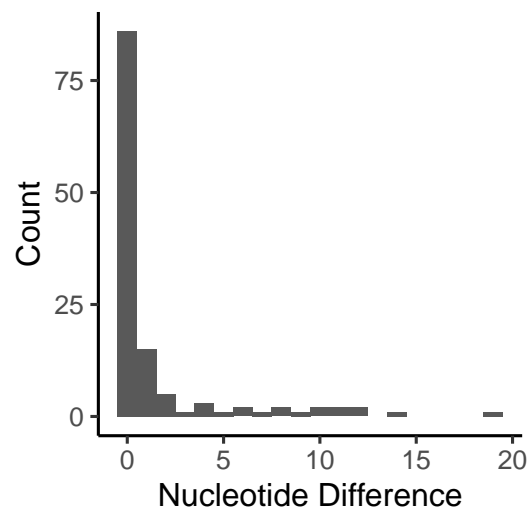
IGHV2-5*01

422 sequences assigned
181 (42.9%) exact matches, in which:
179 unique CDR3
6 unique J



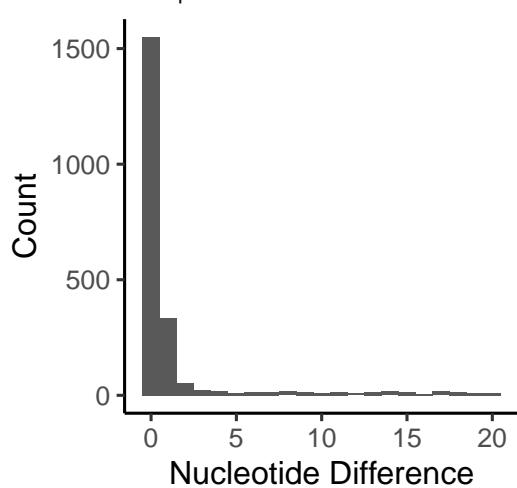
IGHV2-70*01

125 sequences assigned
86 (68.8%) exact matches, in which:
86 unique CDR3
5 unique J



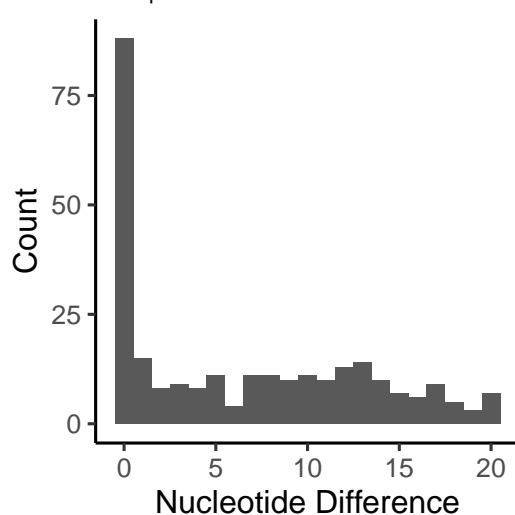
IGHV1-69*01

2385 sequences assigned
1550 (65%) exact matches, in which:
1518 unique CDR3
6 unique J



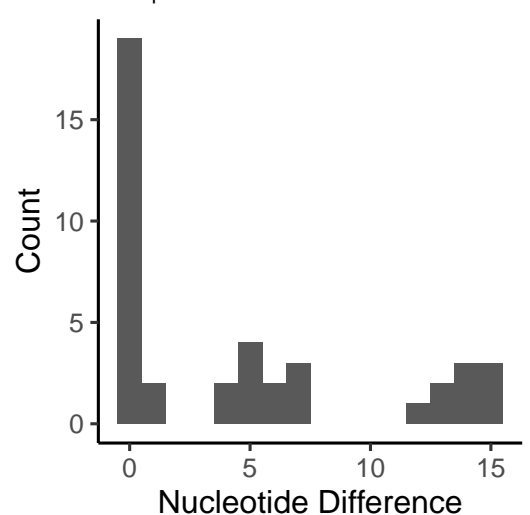
IGHV2-5*02

318 sequences assigned
88 (27.7%) exact matches, in which:
85 unique CDR3
6 unique J



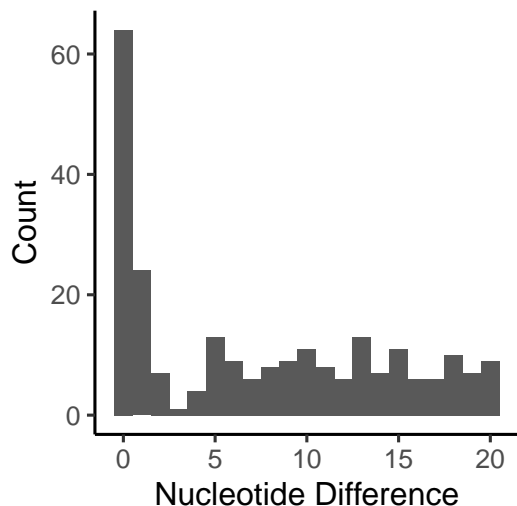
IGHV2-70*04

42 sequences assigned
19 (45.2%) exact matches, in which:
19 unique CDR3
4 unique J



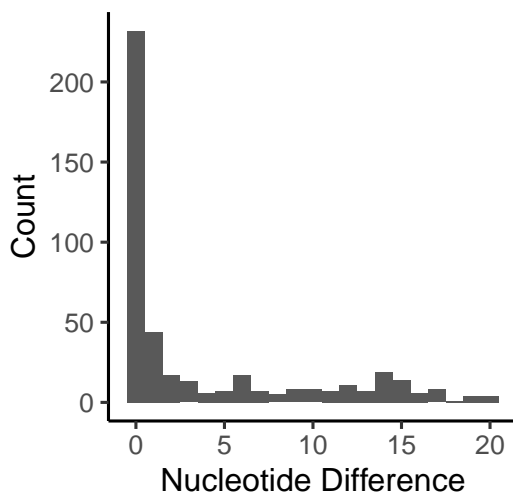
IGHV3-7*05

286 sequences assigned
64 (22.4%) exact matches, in which:
63 unique CDR3
5 unique J



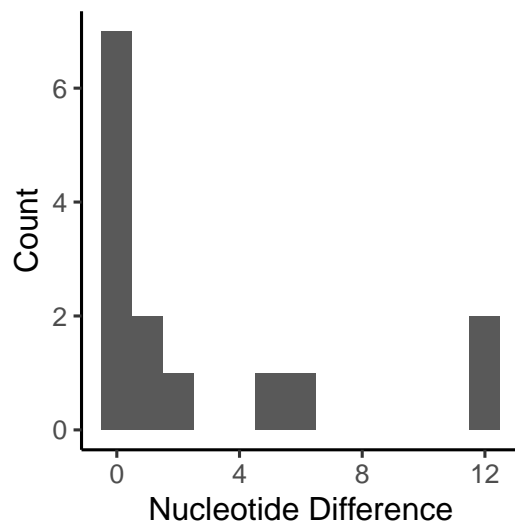
IGHV3-11*05

521 sequences assigned
232 (44.5%) exact matches, in which:
231 unique CDR3
6 unique J



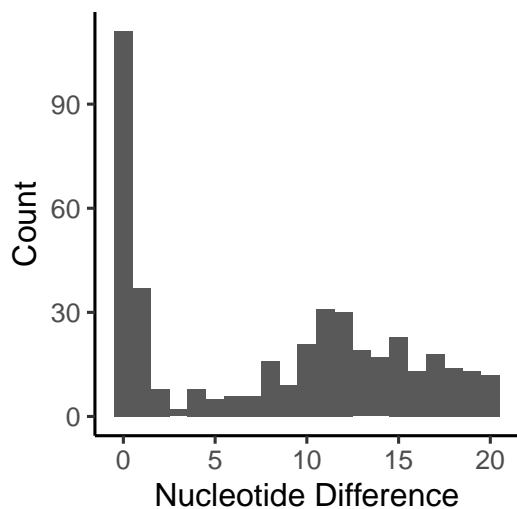
IGHV3-13*05

15 sequences assigned
7 (46.7%) exact matches, in which:
7 unique CDR3
3 unique J



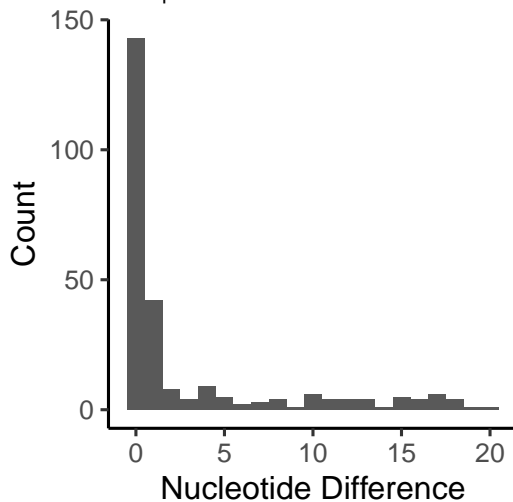
IGHV3-7*01_A318G

518 sequences assigned
111 (21.4%) exact matches, in which:
111 unique CDR3
6 unique J



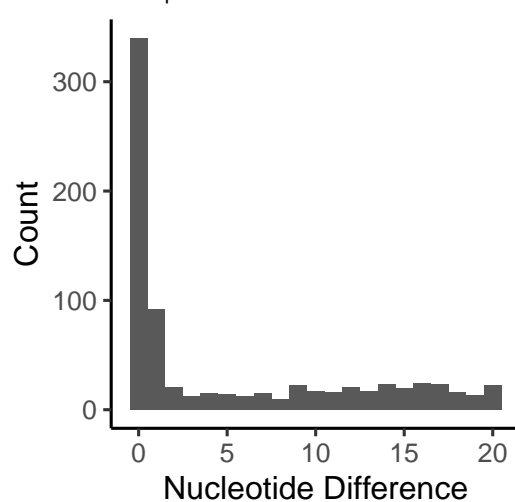
IGHV3-11*06

310 sequences assigned
143 (46.1%) exact matches, in which:
140 unique CDR3
5 unique J



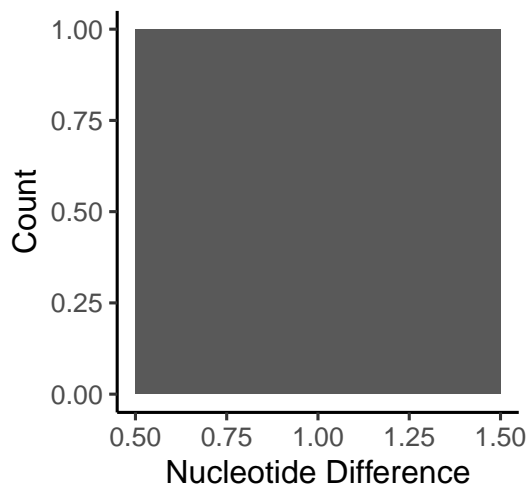
IGHV3-15*01

910 sequences assigned
340 (37.4%) exact matches, in which:
339 unique CDR3
6 unique J



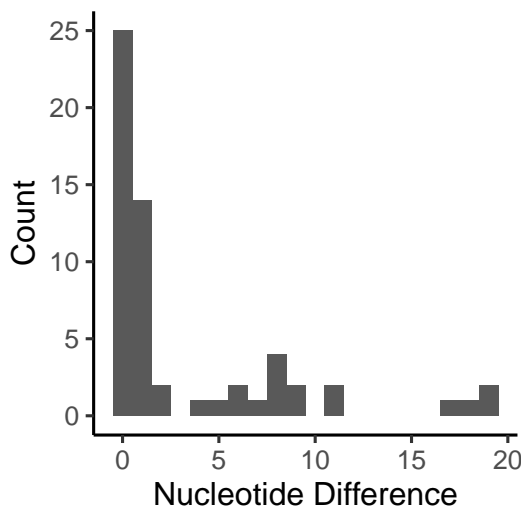
IGHV3-9*01

1 sequences assigned
No exact matches.



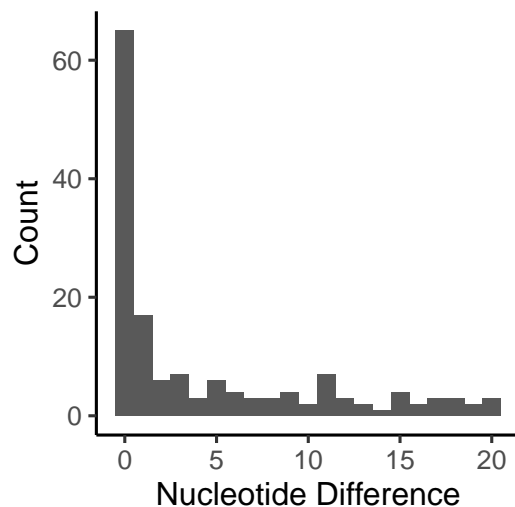
IGHV3-13*04

67 sequences assigned
25 (37.3%) exact matches, in which:
25 unique CDR3
4 unique J



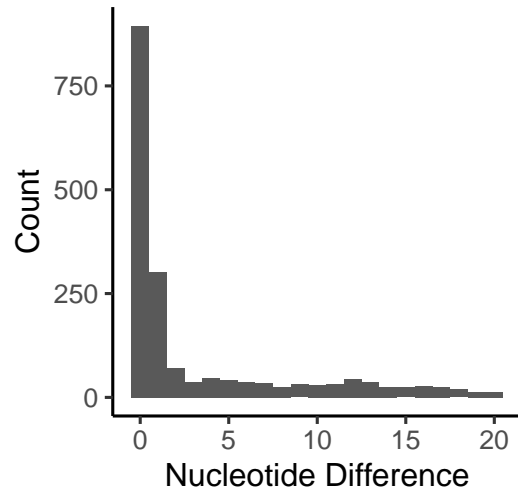
IGHV3-20*04

169 sequences assigned
65 (38.5%) exact matches, in which:
65 unique CDR3
4 unique J



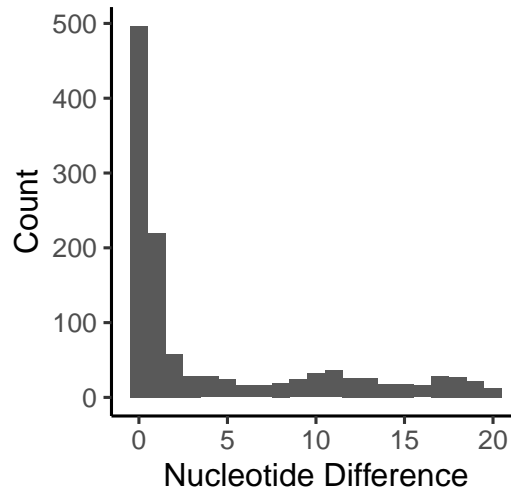
IGHV3–21*01

1991 sequences assigned
895 (45%) exact matches, in which:
875 unique CDR3
6 unique J



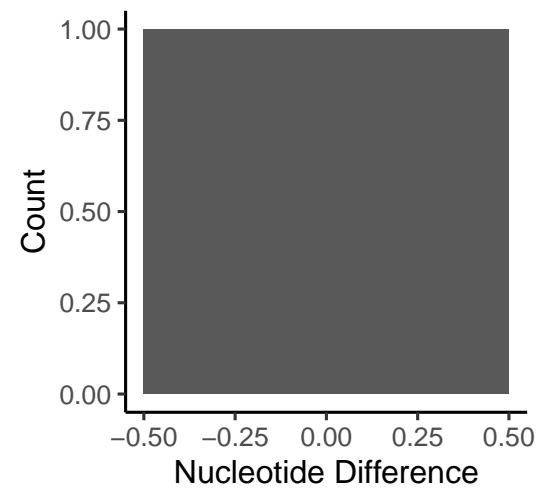
IGHV3–30*04

1341 sequences assigned
497 (37.1%) exact matches, in which:
491 unique CDR3
6 unique J



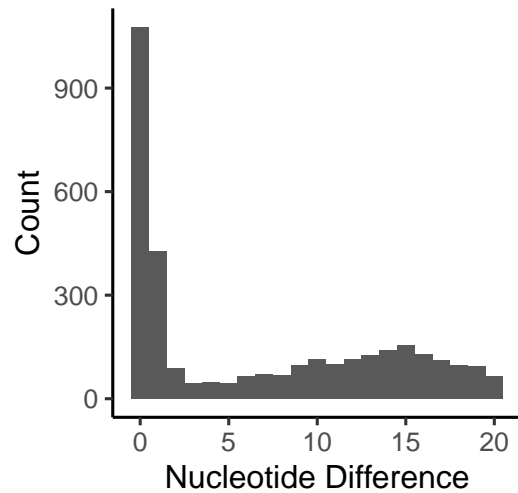
IGHV3–35*01

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



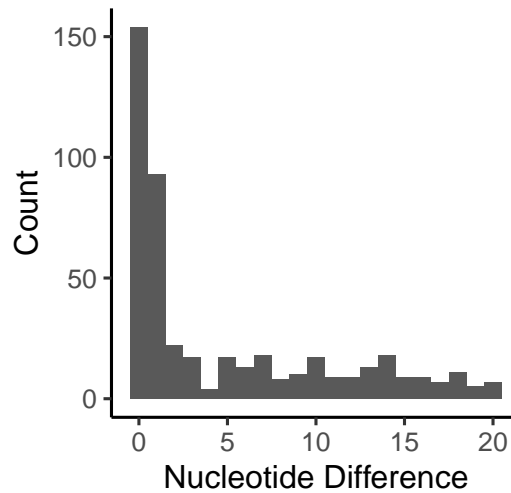
IGHV3–23*01

4050 sequences assigned
1077 (26.6%) exact matches, in which:
1058 unique CDR3
6 unique J



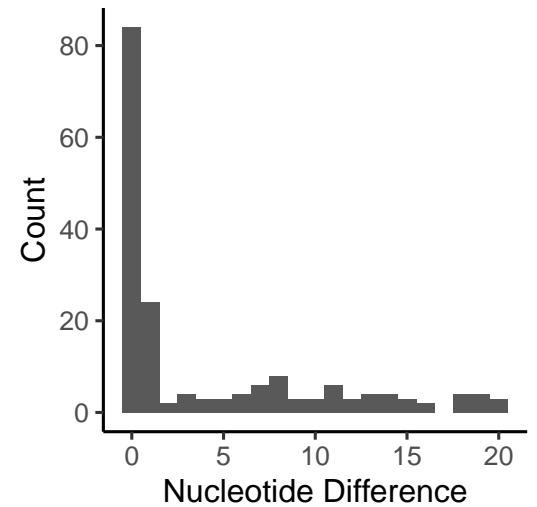
IGHV3–30*18

570 sequences assigned
154 (27%) exact matches, in which:
149 unique CDR3
6 unique J



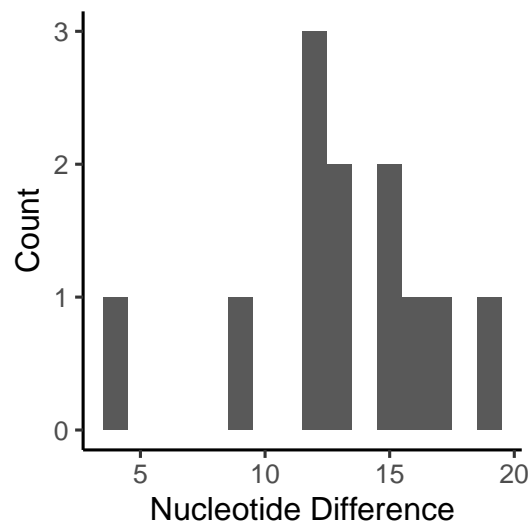
IGHV3–43*02

224 sequences assigned
84 (37.5%) exact matches, in which:
83 unique CDR3
6 unique J



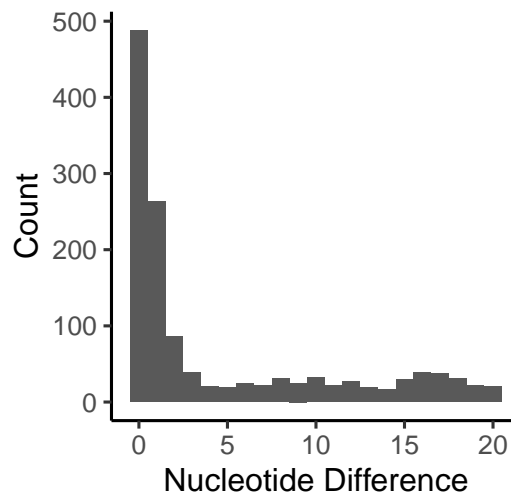
IGHV3–30–3*01

24 sequences assigned
No exact matches.



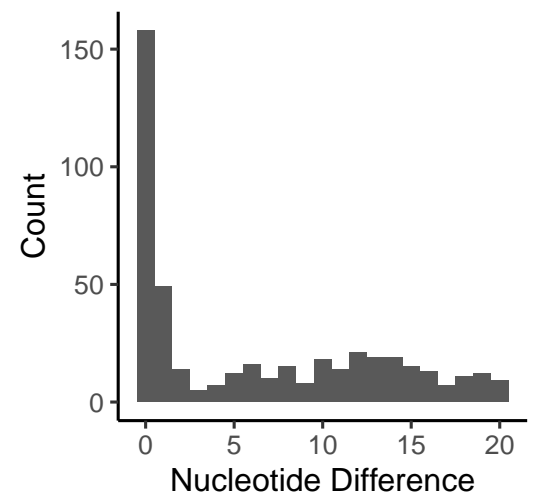
IGHV3–33*01

1575 sequences assigned
488 (31%) exact matches, in which:
477 unique CDR3
6 unique J



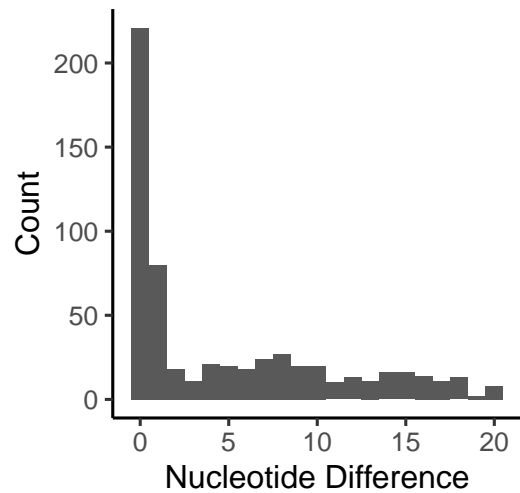
IGHV3–48*01

522 sequences assigned
158 (30.3%) exact matches, in which:
155 unique CDR3
6 unique J



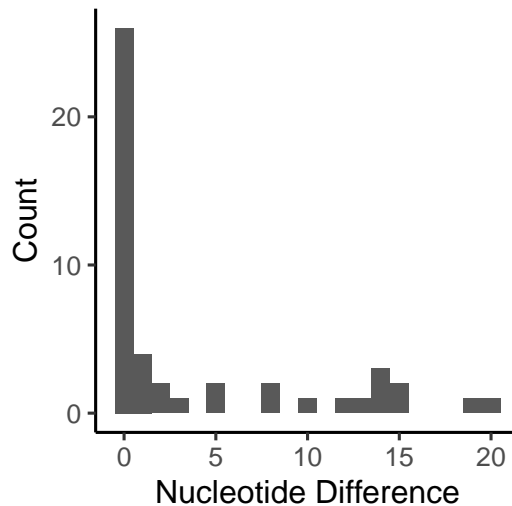
IGHV3-48*03

670 sequences assigned
221 (33%) exact matches, in which:
219 unique CDR3
6 unique J



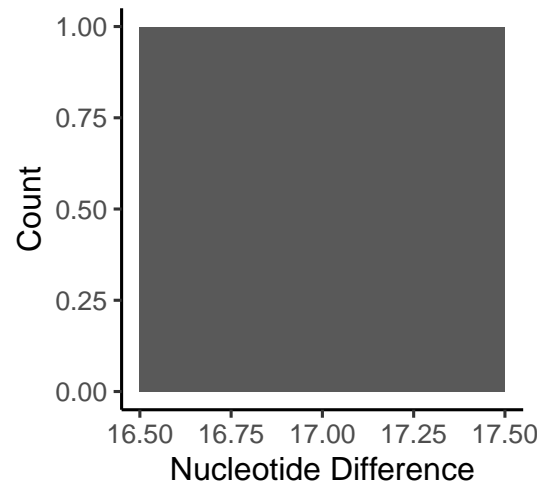
IGHV3-53*04

58 sequences assigned
26 (44.8%) exact matches, in which:
25 unique CDR3
6 unique J



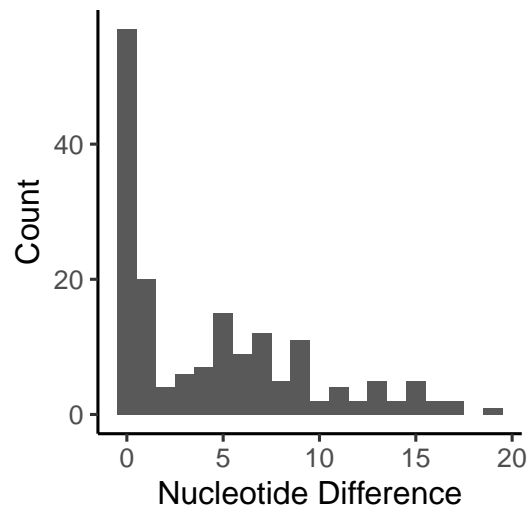
IGHV3-69-1*01

2 sequences assigned
No exact matches.



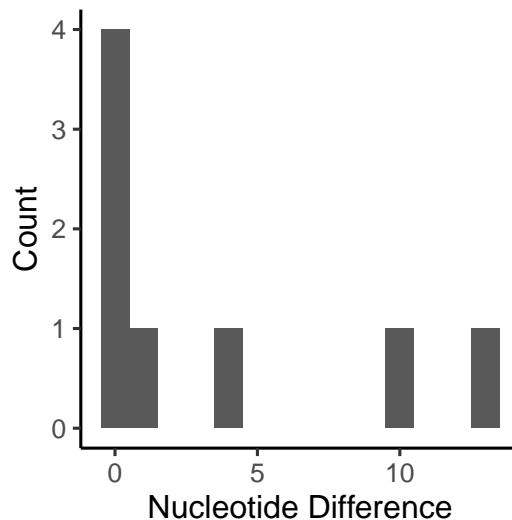
IGHV3-49*03

215 sequences assigned
57 (26.5%) exact matches, in which:
57 unique CDR3
4 unique J



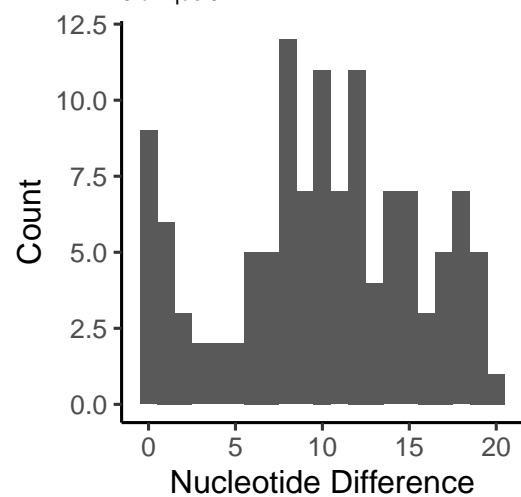
IGHV3-64*02

9 sequences assigned
4 (44.4%) exact matches, in which:
4 unique CDR3
2 unique J



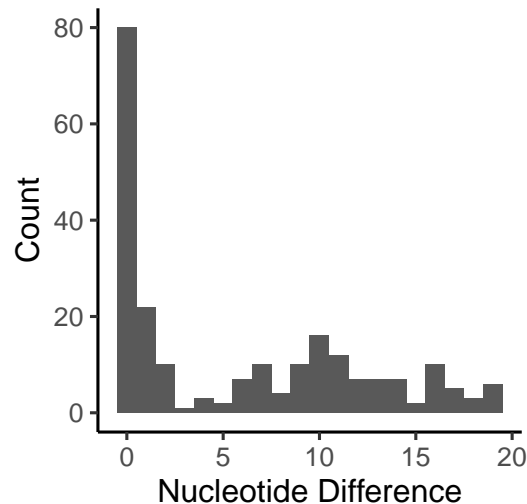
IGHV3-72*01

140 sequences assigned
9 (6.4%) exact matches, in which:
9 unique CDR3
3 unique J



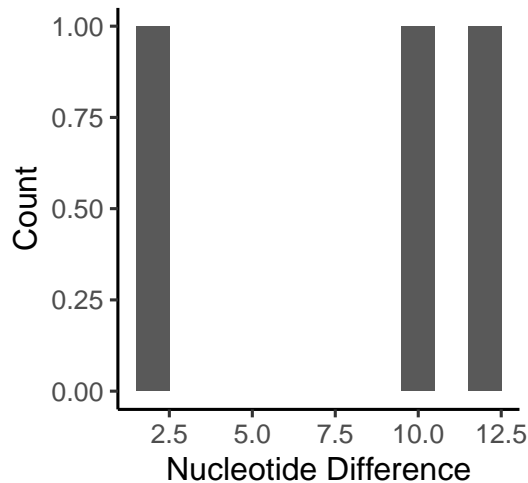
IGHV3-49*04

267 sequences assigned
80 (30%) exact matches, in which:
79 unique CDR3
4 unique J



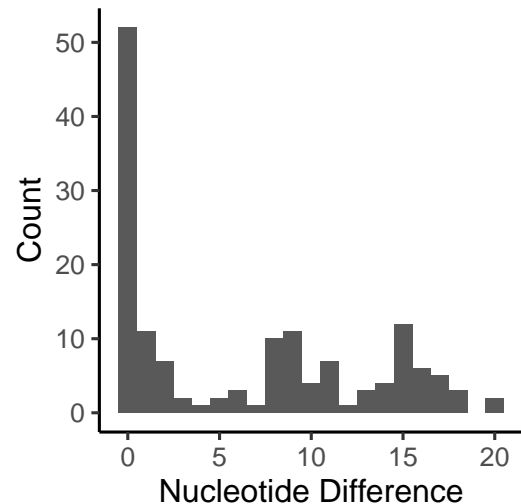
IGHV3-66*03

3 sequences assigned
No exact matches.



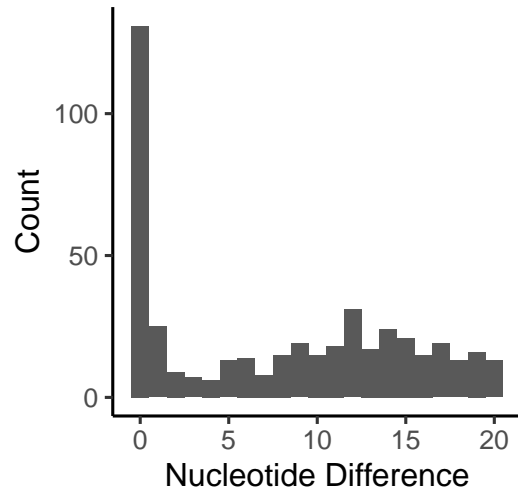
IGHV3-73*02

161 sequences assigned
52 (32.3%) exact matches, in which:
49 unique CDR3
4 unique J



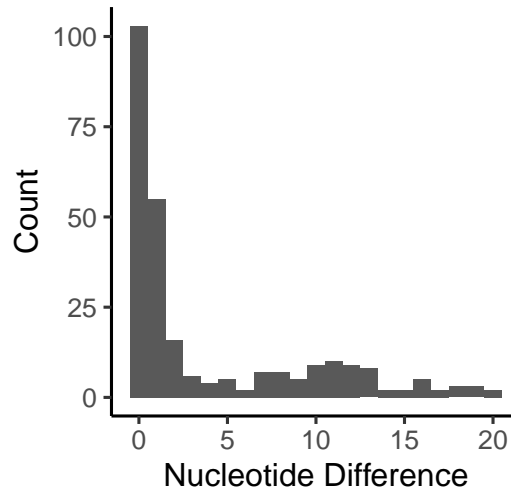
IGHV3-74*01

537 sequences assigned
131 (24.4%) exact matches, in which:
131 unique CDR3
6 unique J



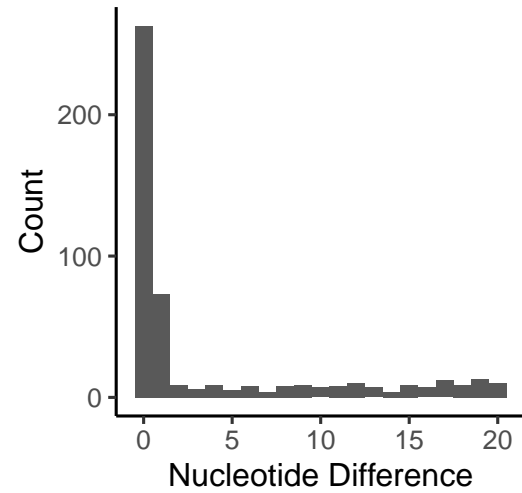
IGHV4-4*02

326 sequences assigned
103 (31.6%) exact matches, in which:
103 unique CDR3
5 unique J



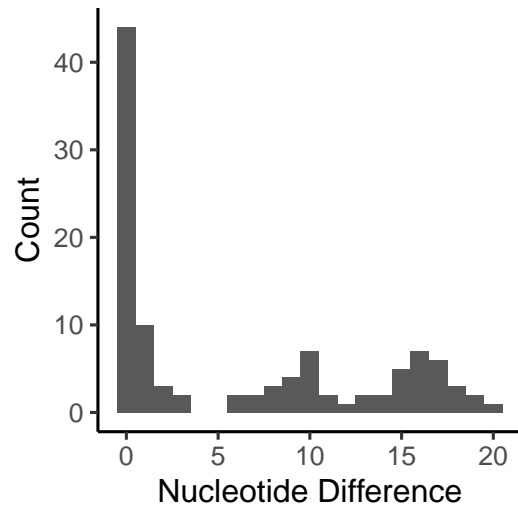
IGHV4-31*03

560 sequences assigned
263 (47%) exact matches, in which:
263 unique CDR3
6 unique J



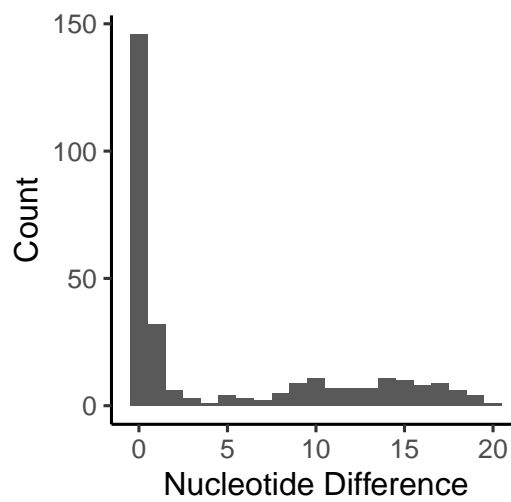
IGHV3-64D*06

125 sequences assigned
44 (35.2%) exact matches, in which:
43 unique CDR3
5 unique J



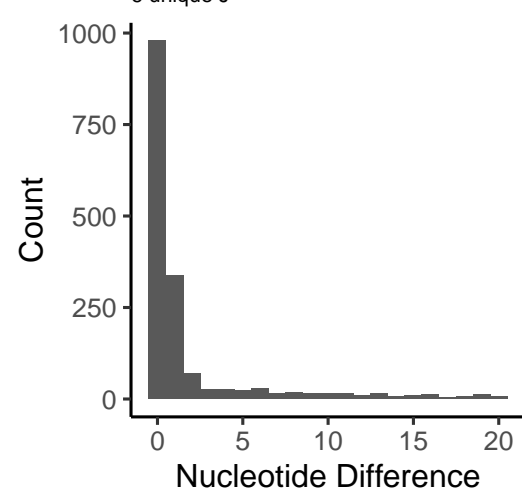
IGHV4-4*07

318 sequences assigned
146 (45.9%) exact matches, in which:
145 unique CDR3
5 unique J



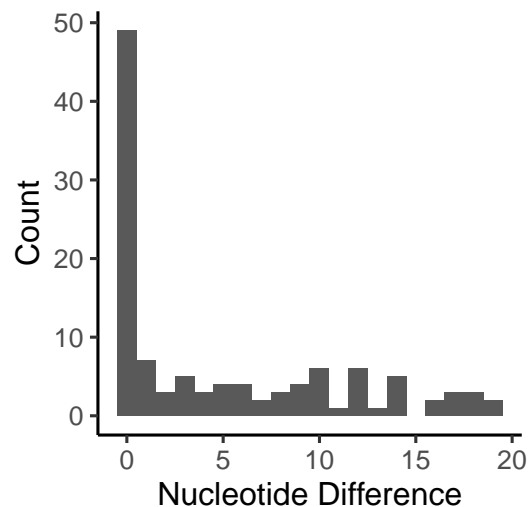
IGHV4-34*01

1774 sequences assigned
979 (55.2%) exact matches, in which:
964 unique CDR3
6 unique J



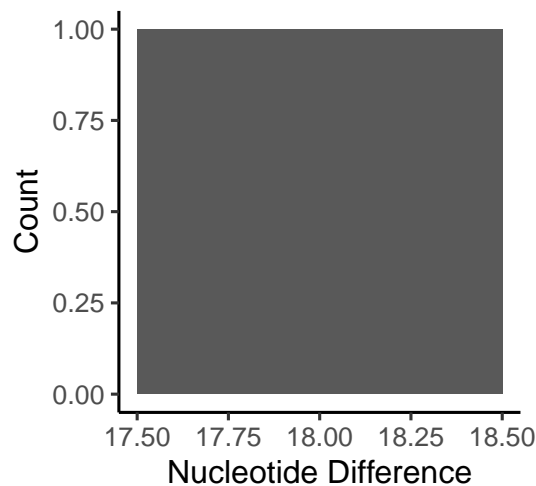
IGHV3-64D*08

133 sequences assigned
49 (36.8%) exact matches, in which:
47 unique CDR3
5 unique J



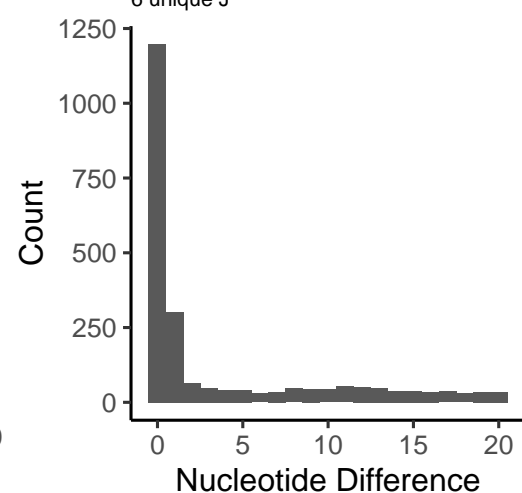
IGHV4-30-4*08

1 sequences assigned
No exact matches.



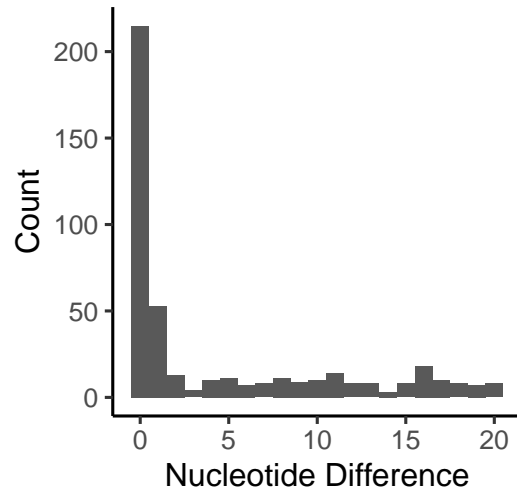
IGHV4-39*01

2621 sequences assigned
1198 (45.7%) exact matches, in which:
1178 unique CDR3
6 unique J



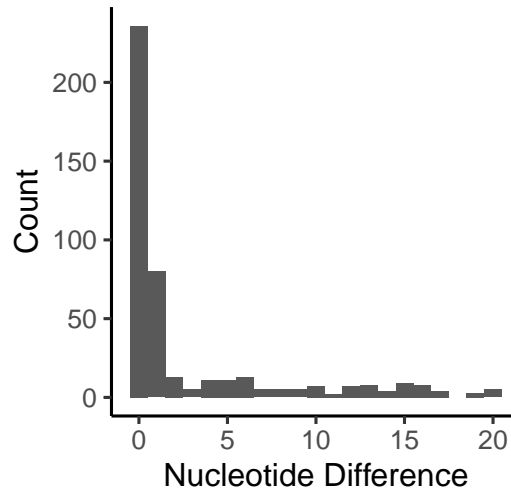
IGHV4–59*01

537 sequences assigned
215 (40%) exact matches, in which:
215 unique CDR3
6 unique J



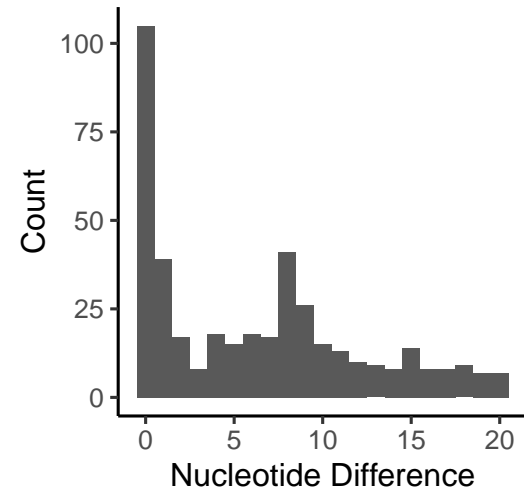
IGHV5–10–1*03

486 sequences assigned
236 (48.6%) exact matches, in which:
236 unique CDR3
6 unique J



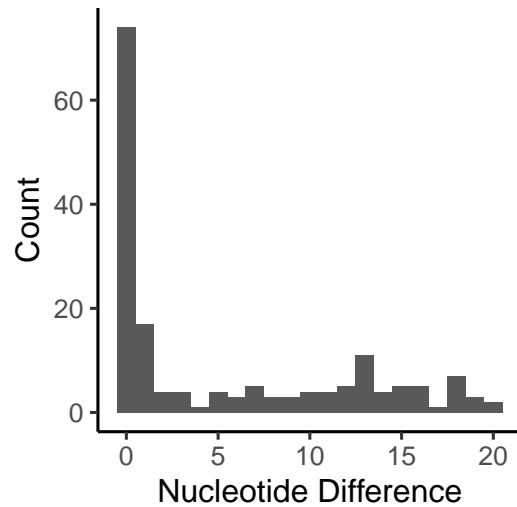
IGHV6–1*01

447 sequences assigned
105 (23.5%) exact matches, in which:
102 unique CDR3
5 unique J



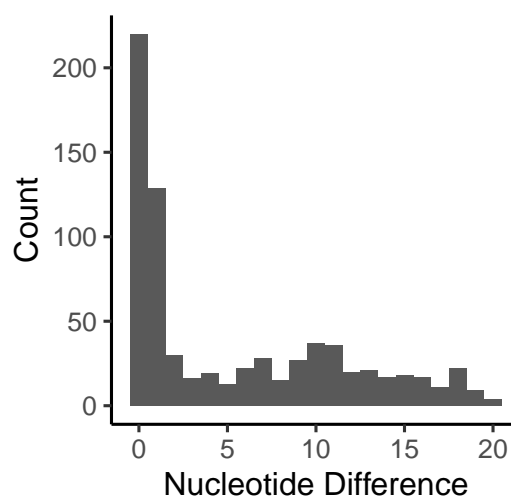
IGHV4–61*01

214 sequences assigned
74 (34.6%) exact matches, in which:
73 unique CDR3
5 unique J



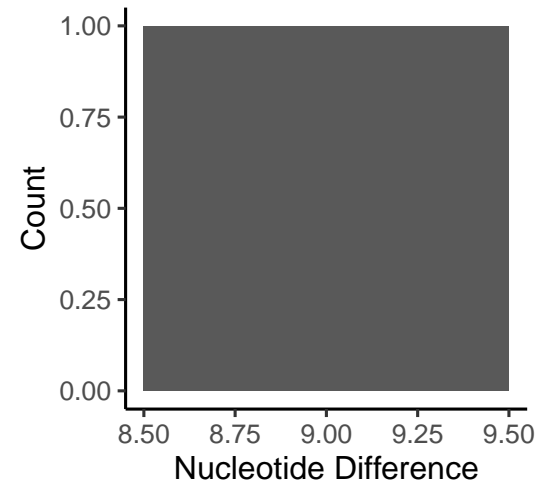
IGHV5–51*01

831 sequences assigned
220 (26.5%) exact matches, in which:
220 unique CDR3
6 unique J



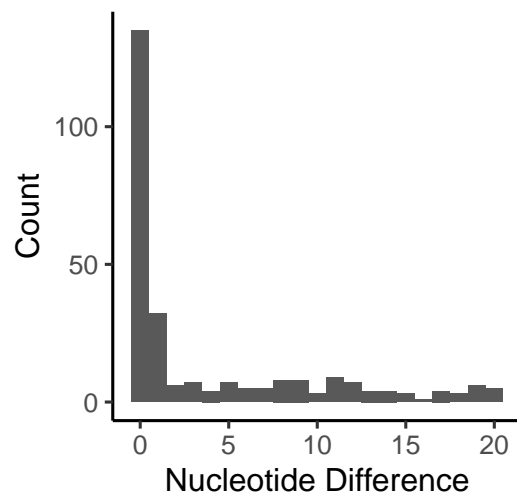
IGHV3/OR16–9*01

1 sequences assigned
No exact matches.



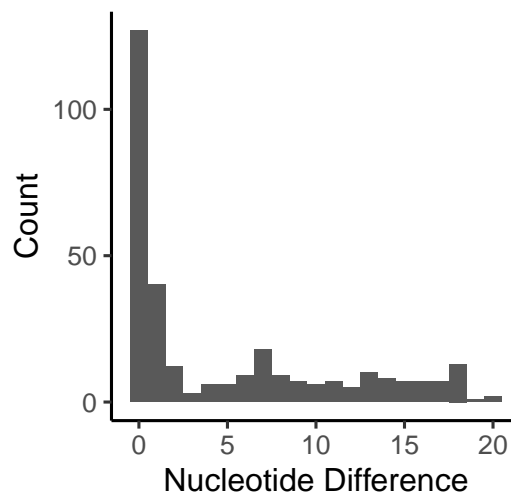
IGHV5–10–1*01

308 sequences assigned
135 (43.8%) exact matches, in which:
132 unique CDR3
6 unique J



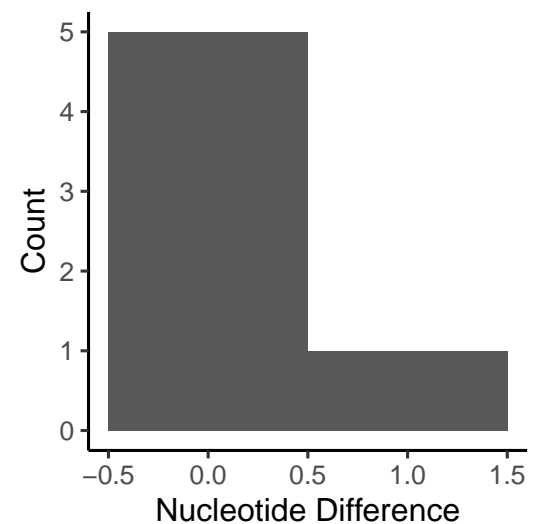
IGHV5–51*03

343 sequences assigned
127 (37%) exact matches, in which:
124 unique CDR3
5 unique J



IGHV7–4–1*01

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



IGHV3-7*01_A318G

