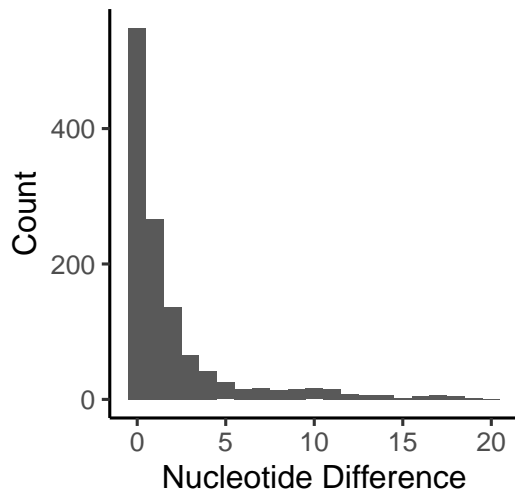


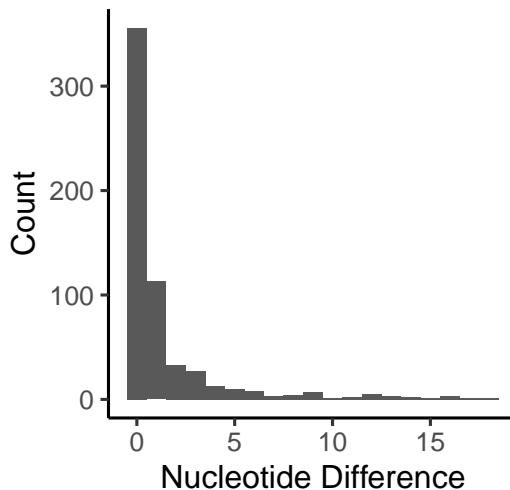
IGHV1-2*02

1230 sequences assigned
549 (44.6%) exact matches, in which:
461 unique CDR3
6 unique J



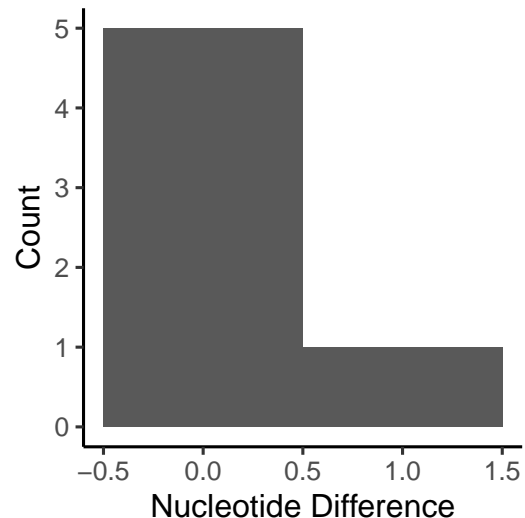
IGHV1-18*01

594 sequences assigned
356 (59.9%) exact matches, in which:
318 unique CDR3
6 unique J



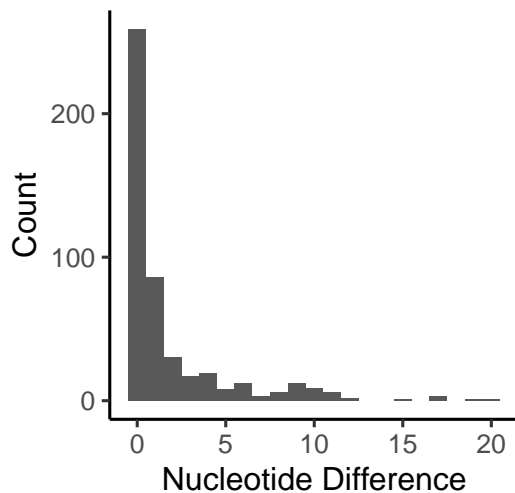
IGHV1-45*02

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



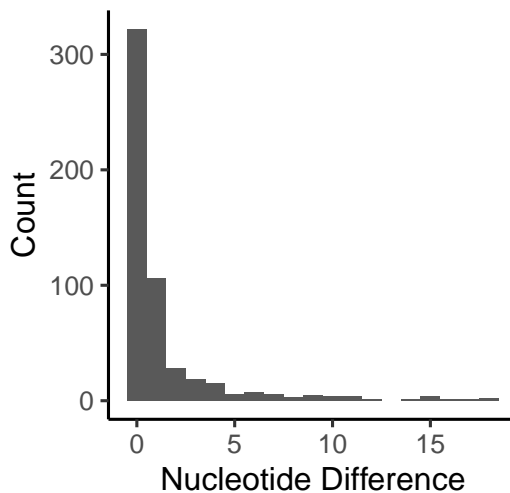
IGHV1-3*01

482 sequences assigned
259 (53.7%) exact matches, in which:
225 unique CDR3
6 unique J



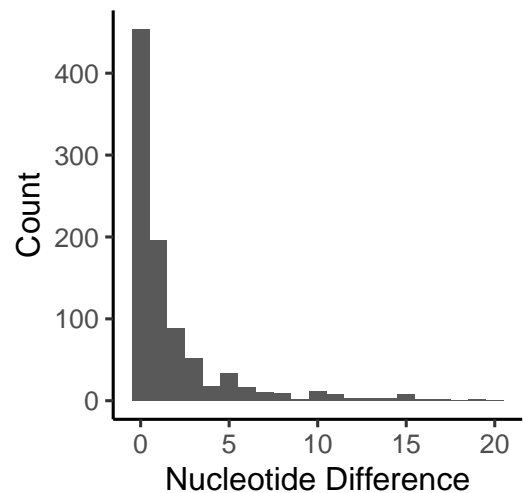
IGHV1-18*04

535 sequences assigned
322 (60.2%) exact matches, in which:
282 unique CDR3
6 unique J



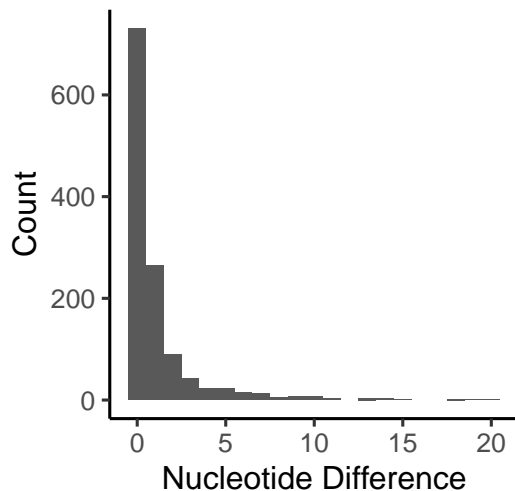
IGHV1-46*01

930 sequences assigned
454 (48.8%) exact matches, in which:
398 unique CDR3
6 unique J



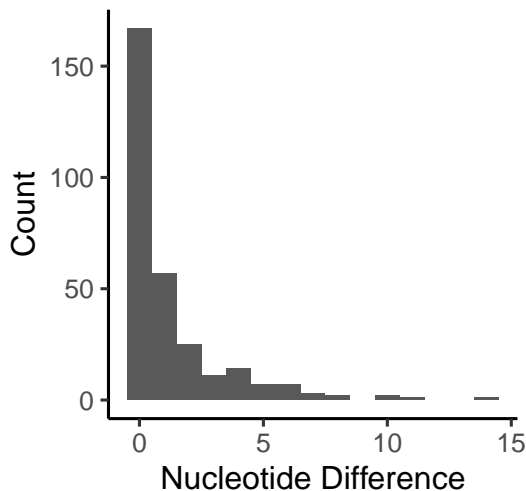
IGHV1-8*01

1231 sequences assigned
731 (59.4%) exact matches, in which:
604 unique CDR3
6 unique J



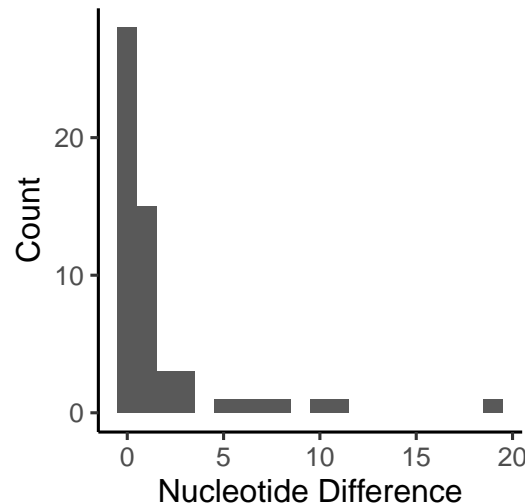
IGHV1-24*01

297 sequences assigned
167 (56.2%) exact matches, in which:
145 unique CDR3
5 unique J



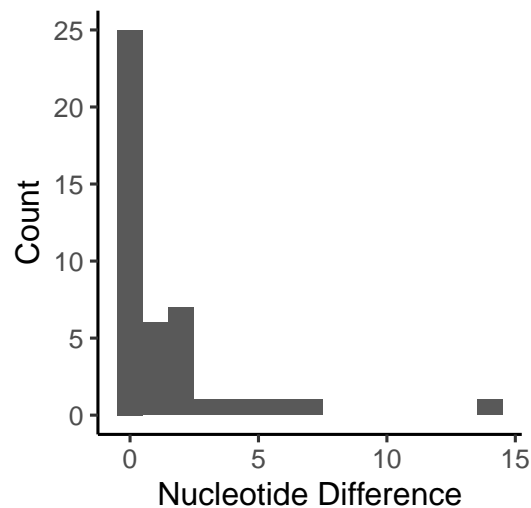
IGHV1-58*01

57 sequences assigned
28 (49.1%) exact matches, in which:
26 unique CDR3
6 unique J



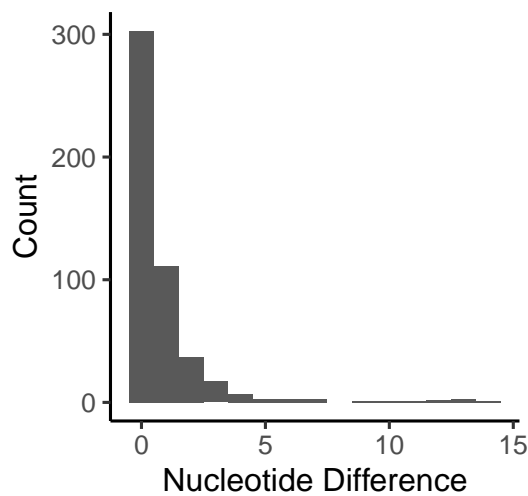
IGHV1-58*02

44 sequences assigned
25 (56.8%) exact matches, in which:
19 unique CDR3
4 unique J



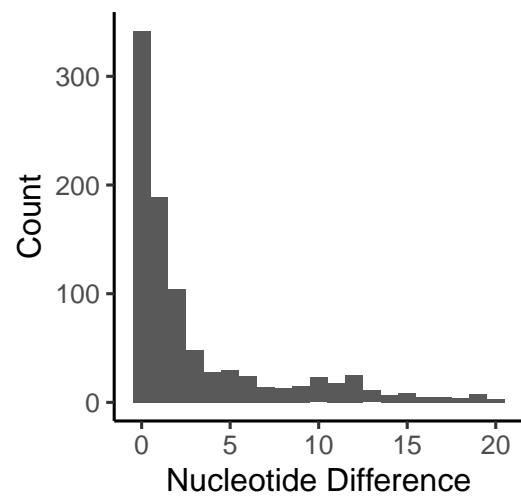
IGHV1-69*08_C191T

493 sequences assigned
303 (61.5%) exact matches, in which:
242 unique CDR3
6 unique J



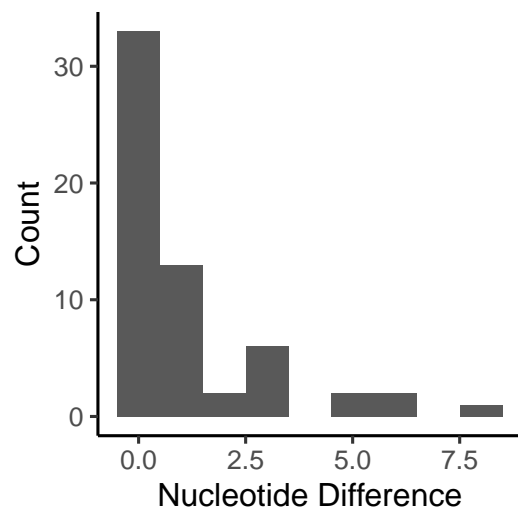
IGHV3-7*01

936 sequences assigned
342 (36.5%) exact matches, in which:
308 unique CDR3
6 unique J



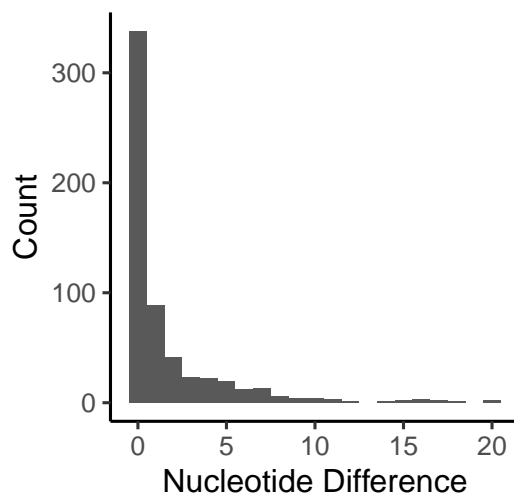
IGHV1-69-2*01

59 sequences assigned
33 (55.9%) exact matches, in which:
28 unique CDR3
4 unique J



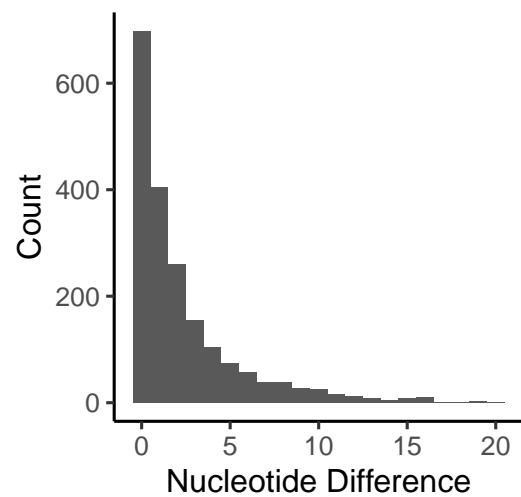
IGHV2-5*01

588 sequences assigned
338 (57.5%) exact matches, in which:
304 unique CDR3
5 unique J



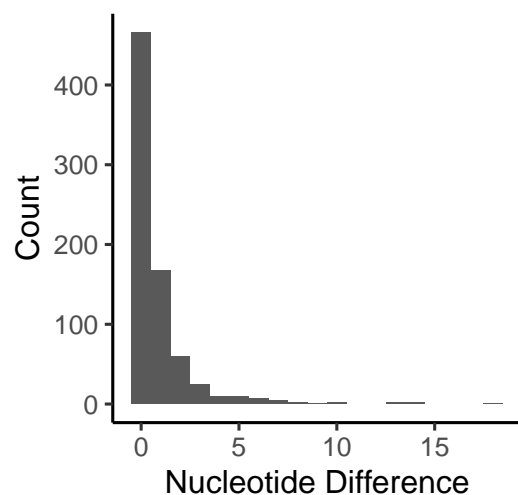
IGHV3-9*01

1951 sequences assigned
698 (35.8%) exact matches, in which:
576 unique CDR3
6 unique J



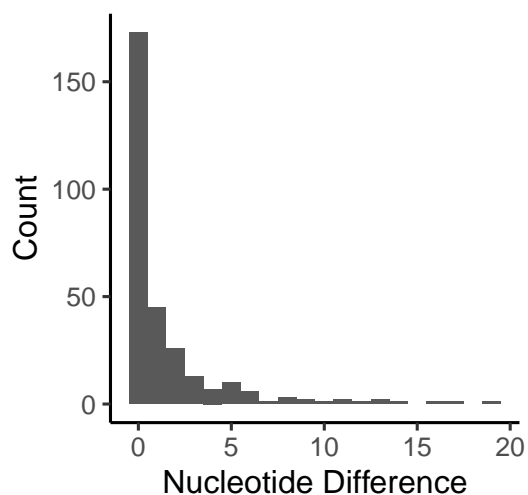
IGHV1-69*06

760 sequences assigned
466 (61.3%) exact matches, in which:
373 unique CDR3
5 unique J



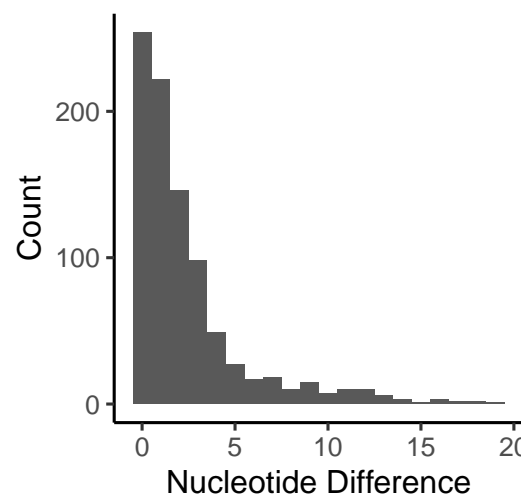
IGHV2-26*01

296 sequences assigned
173 (58.4%) exact matches, in which:
159 unique CDR3
6 unique J



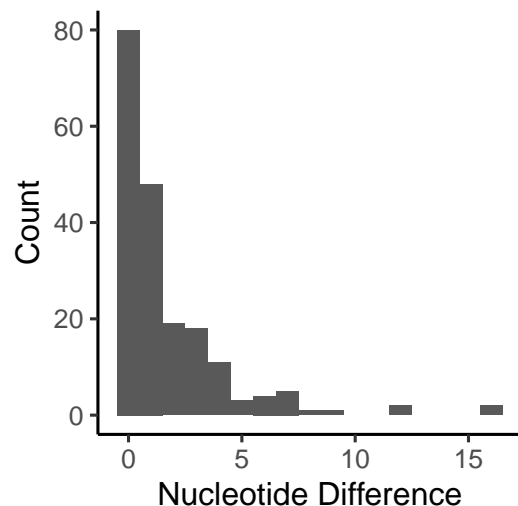
IGHV3-11*01

905 sequences assigned
254 (28.1%) exact matches, in which:
226 unique CDR3
6 unique J



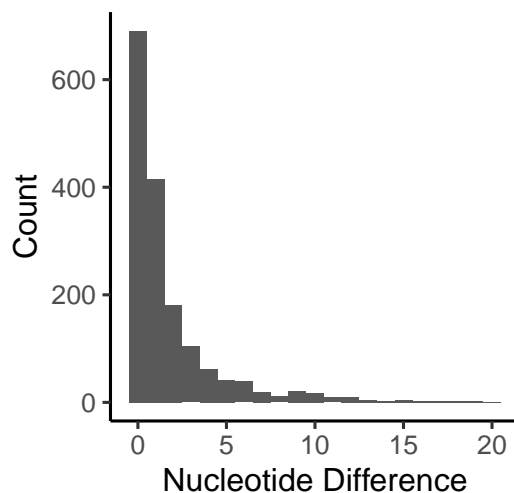
IGHV3-13*01

194 sequences assigned
80 (41.2%) exact matches, in which:
63 unique CDR3
5 unique J



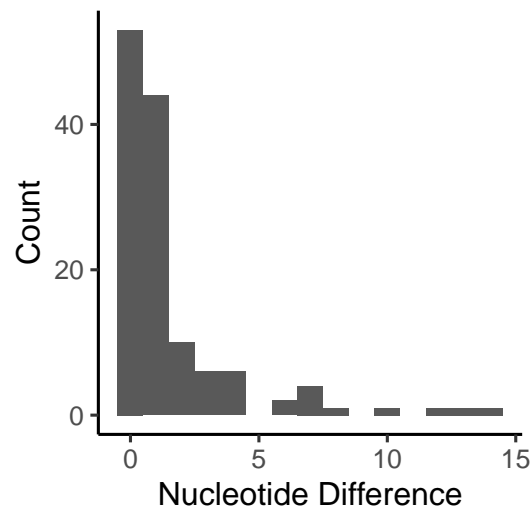
IGHV3-21*01

1653 sequences assigned
691 (41.8%) exact matches, in which:
593 unique CDR3
6 unique J



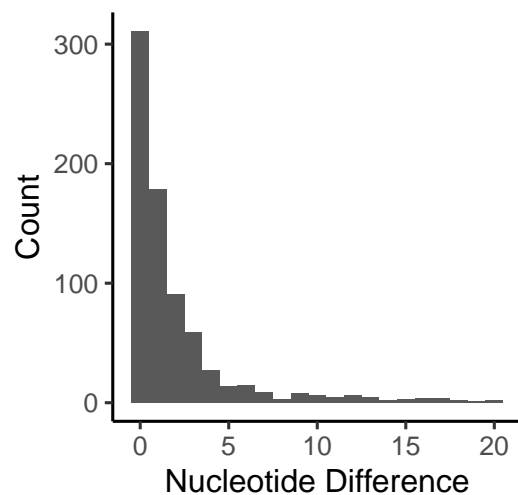
IGHV3-43*01

130 sequences assigned
53 (40.8%) exact matches, in which:
47 unique CDR3
5 unique J



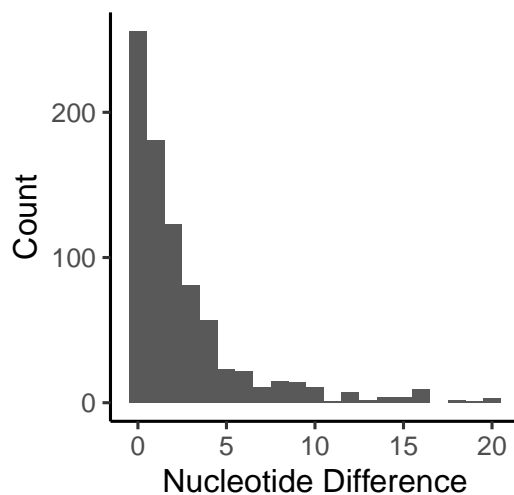
IGHV3-15*01

762 sequences assigned
311 (40.8%) exact matches, in which:
268 unique CDR3
5 unique J



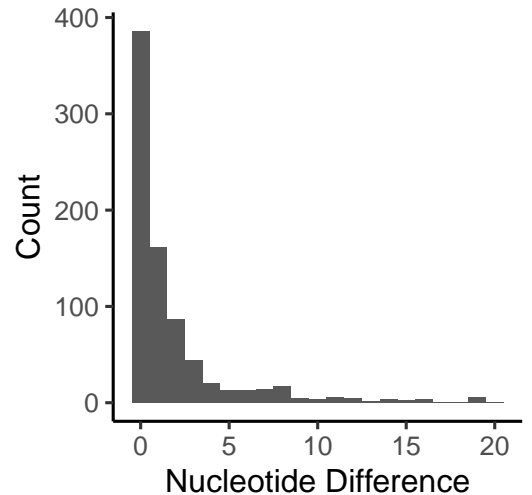
IGHV3-30-3*01

831 sequences assigned
256 (30.8%) exact matches, in which:
226 unique CDR3
6 unique J



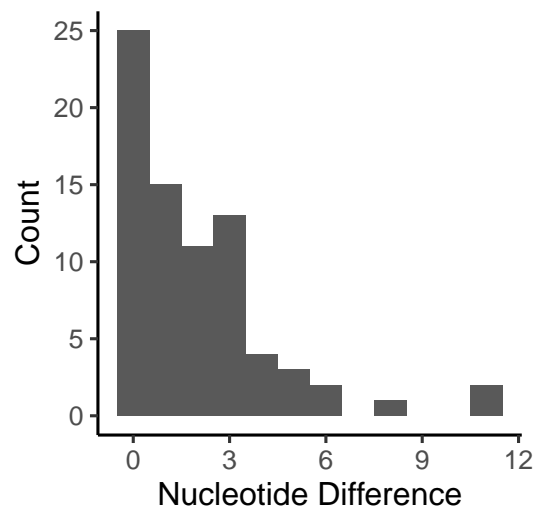
IGHV3-48*02

800 sequences assigned
386 (48.2%) exact matches, in which:
337 unique CDR3
6 unique J



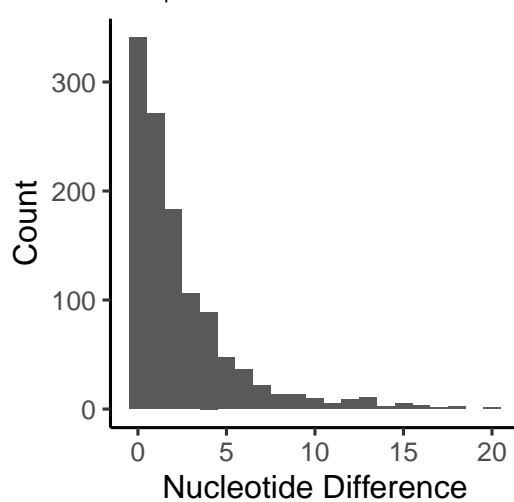
IGHV3-20*01

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



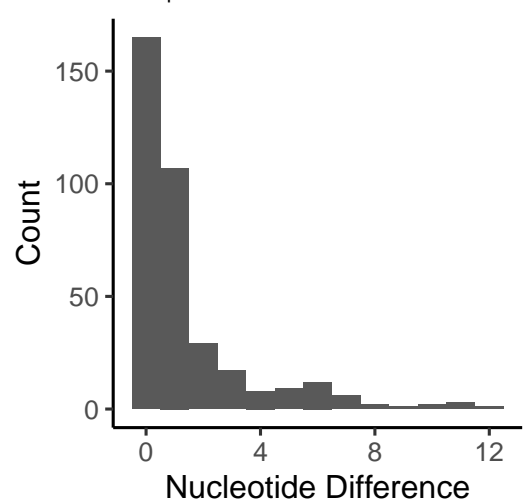
IGHV3-33*01

1178 sequences assigned
341 (28.9%) exact matches, in which:
306 unique CDR3
6 unique J



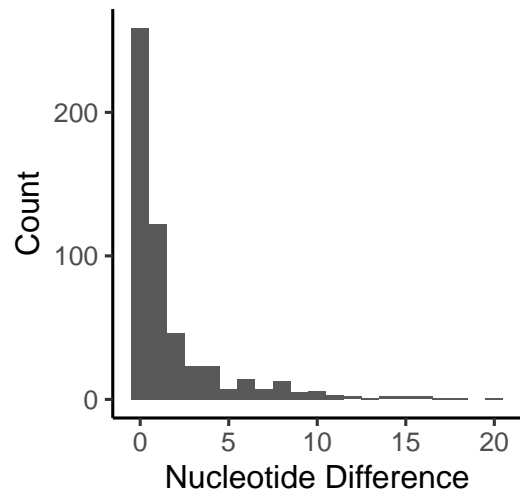
IGHV3-49*05

364 sequences assigned
165 (45.3%) exact matches, in which:
144 unique CDR3
6 unique J



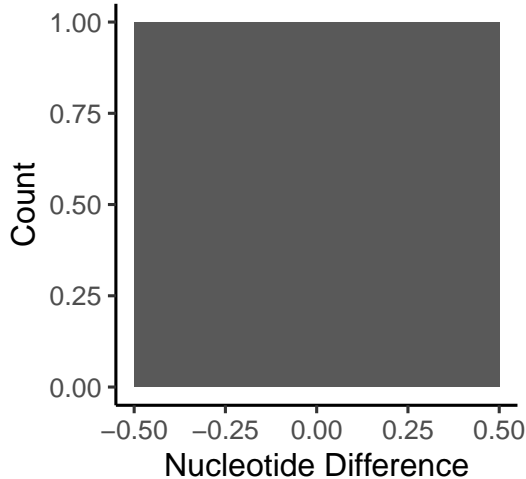
IGHV3-53*01

544 sequences assigned
259 (47.6%) exact matches, in which:
217 unique CDR3
6 unique J



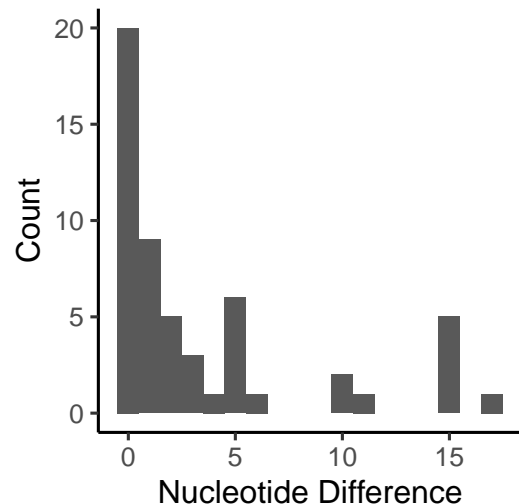
IGHV3-69-1*01

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



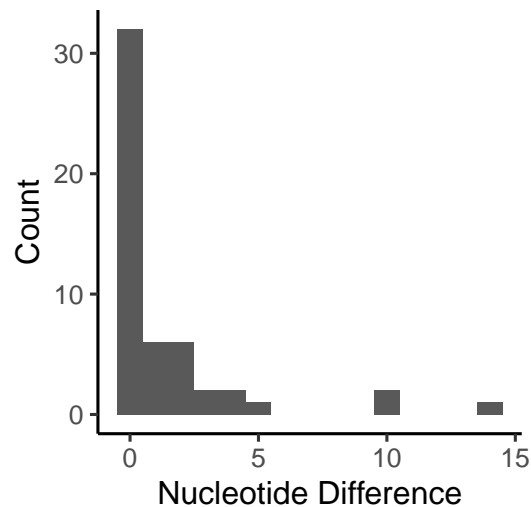
IGHV3-73*02

56 sequences assigned
20 (35.7%) exact matches, in which:
17 unique CDR3
3 unique J



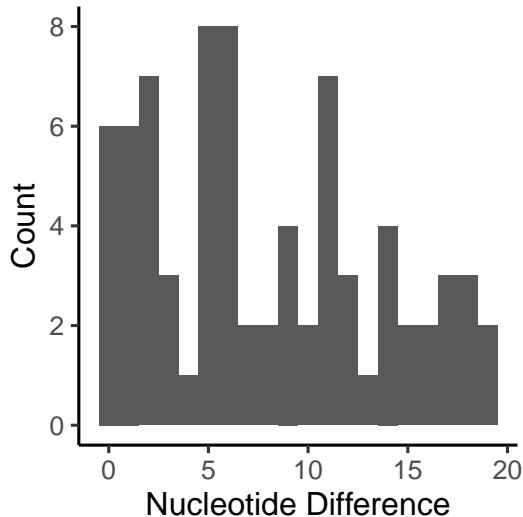
IGHV3-64*01

52 sequences assigned
32 (61.5%) exact matches, in which:
30 unique CDR3
5 unique J



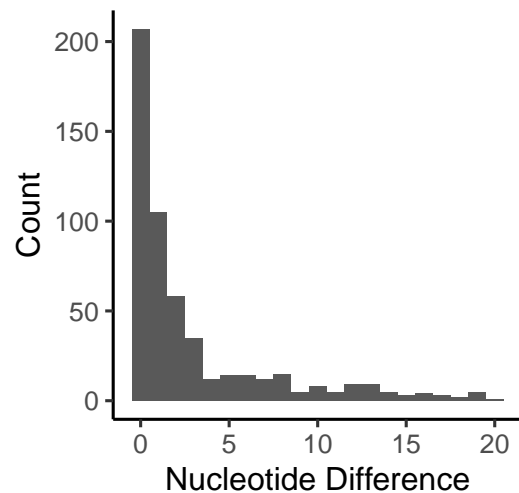
IGHV3-72*01

81 sequences assigned
6 (7.4%) exact matches, in which:
6 unique CDR3
3 unique J



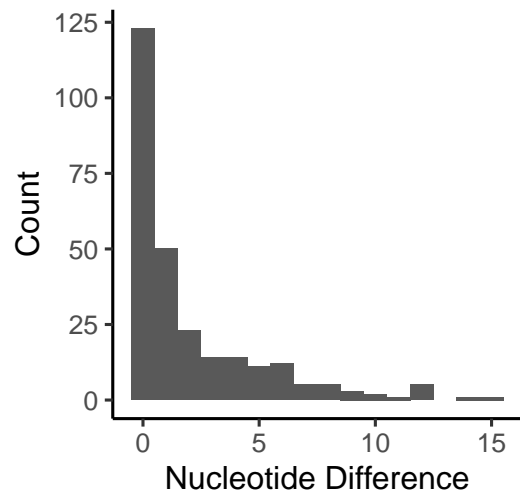
IGHV3-74*01

538 sequences assigned
207 (38.5%) exact matches, in which:
179 unique CDR3
6 unique J



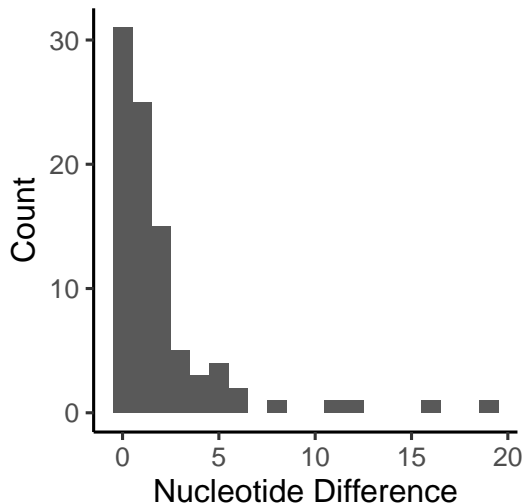
IGHV3-66*02

270 sequences assigned
123 (45.6%) exact matches, in which:
105 unique CDR3
5 unique J



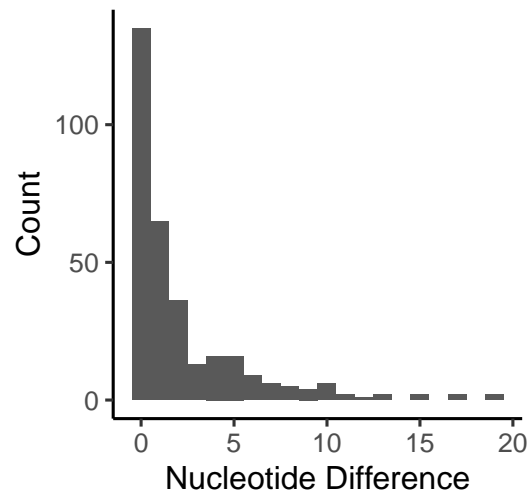
IGHV3-73*01

90 sequences assigned
31 (34.4%) exact matches, in which:
26 unique CDR3
4 unique J



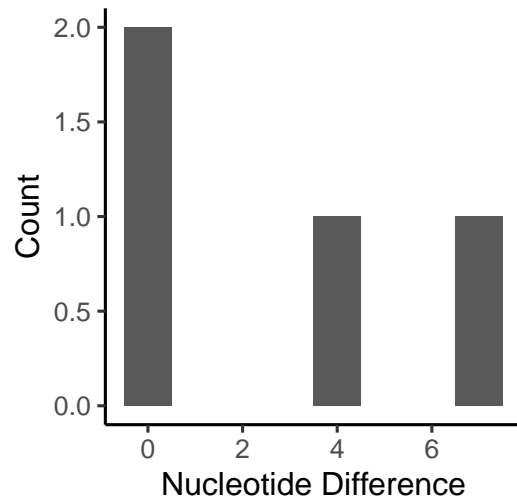
IGHV4-4*07

325 sequences assigned
135 (41.5%) exact matches, in which:
117 unique CDR3
5 unique J



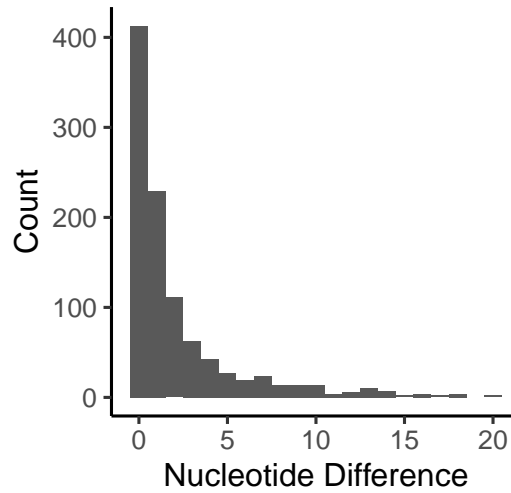
IGHV4-28*01

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



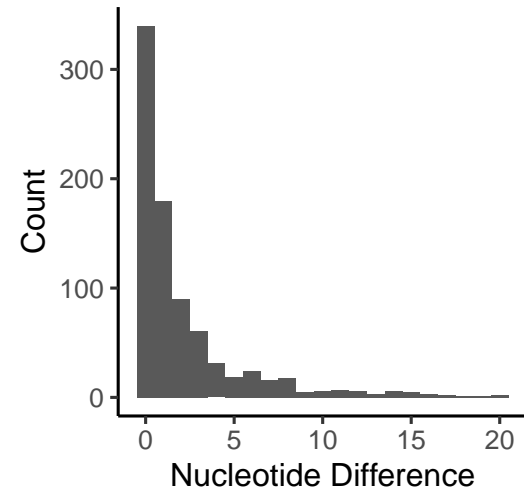
IGHV4-31*03

1014 sequences assigned
413 (40.7%) exact matches, in which:
364 unique CDR3
6 unique J



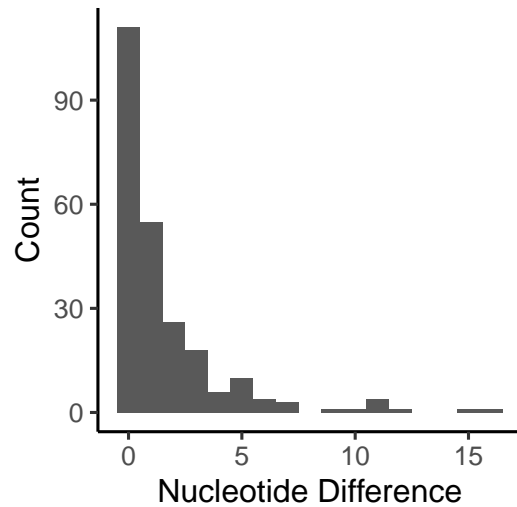
IGHV4-59*01

832 sequences assigned
340 (40.9%) exact matches, in which:
294 unique CDR3
6 unique J



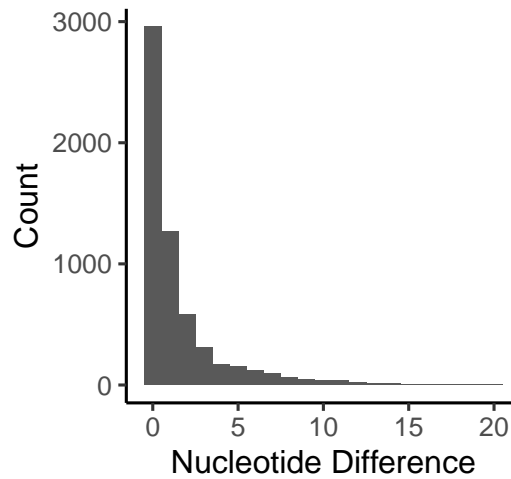
IGHV4-30-4*01

242 sequences assigned
111 (45.9%) exact matches, in which:
97 unique CDR3
6 unique J



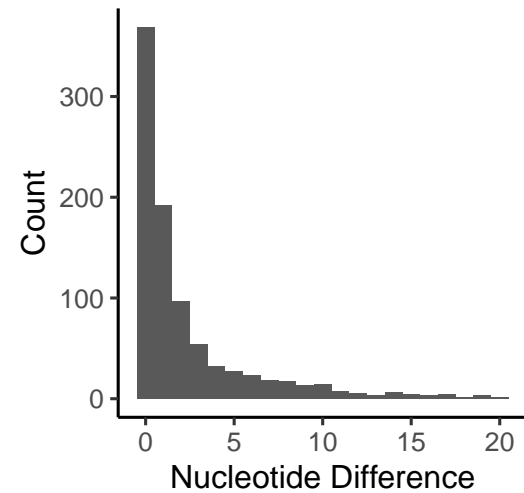
IGHV4-34*01

5909 sequences assigned
2958 (50.1%) exact matches, in which:
2047 unique CDR3
6 unique J



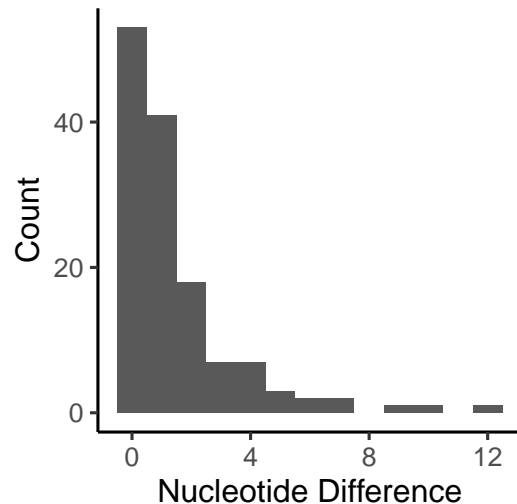
IGHV4-61*02

897 sequences assigned
369 (41.1%) exact matches, in which:
316 unique CDR3
6 unique J



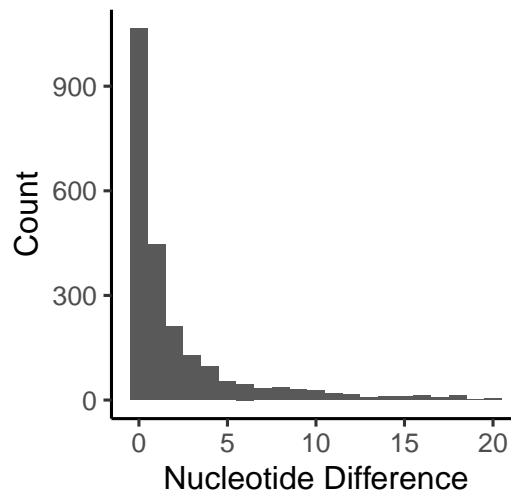
IGHV4-30-2*01

136 sequences assigned
53 (39%) exact matches, in which:
45 unique CDR3
6 unique J



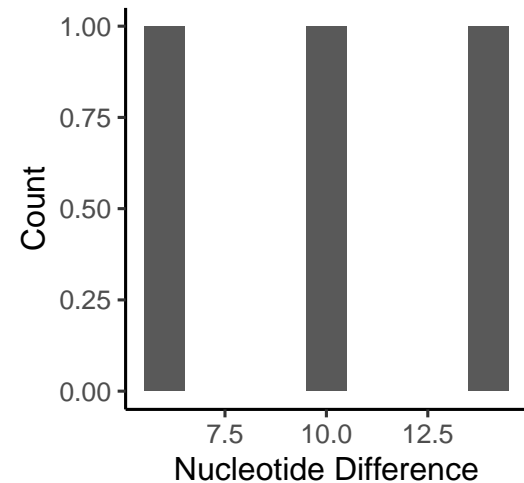
IGHV4-39*01

2299 sequences assigned
1066 (46.4%) exact matches, in which:
879 unique CDR3
6 unique J



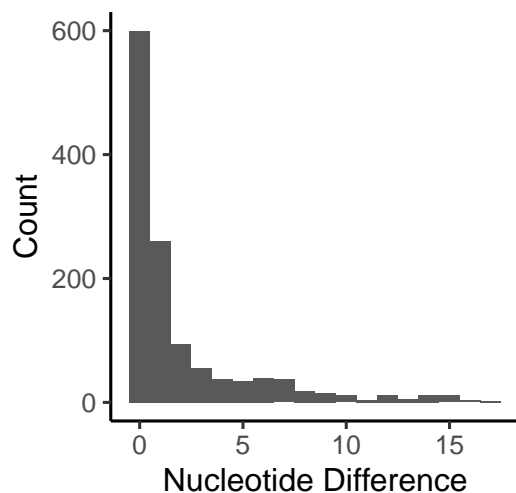
IGHV4/OR15-8*01

4 sequences assigned
No exact matches.



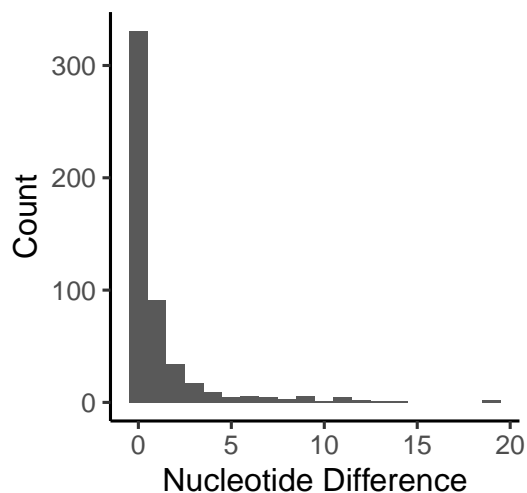
IGHV5–51*01

1252 sequences assigned
600 (47.9%) exact matches, in which:
491 unique CDR3
6 unique J



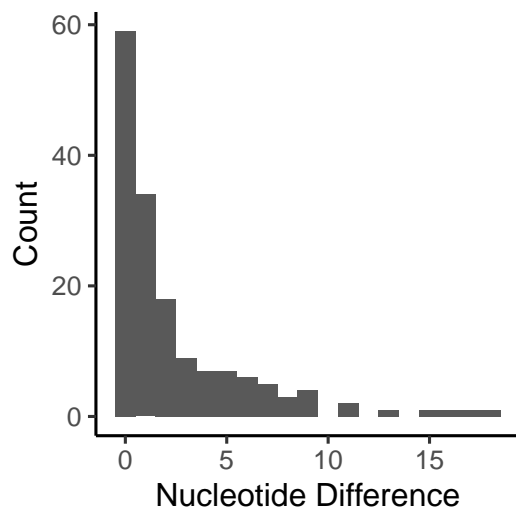
IGHV7–4–1*02

523 sequences assigned
331 (63.3%) exact matches, in which:
289 unique CDR3
6 unique J



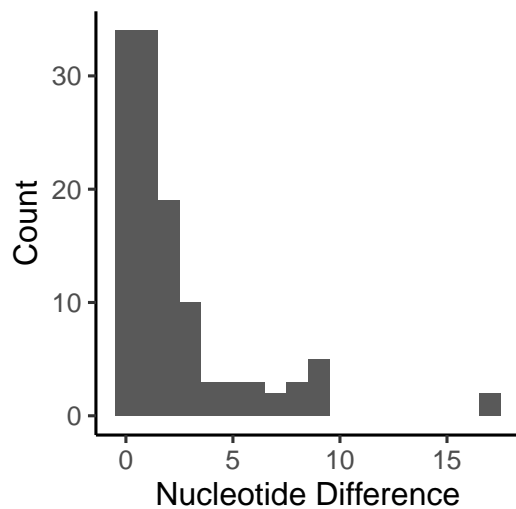
IGHV6–1*01

159 sequences assigned
59 (37.1%) exact matches, in which:
58 unique CDR3
4 unique J



IGHV6–1*01_T91C

119 sequences assigned
34 (28.6%) exact matches, in which:
33 unique CDR3
5 unique J





Warning – no inferred sequences found.