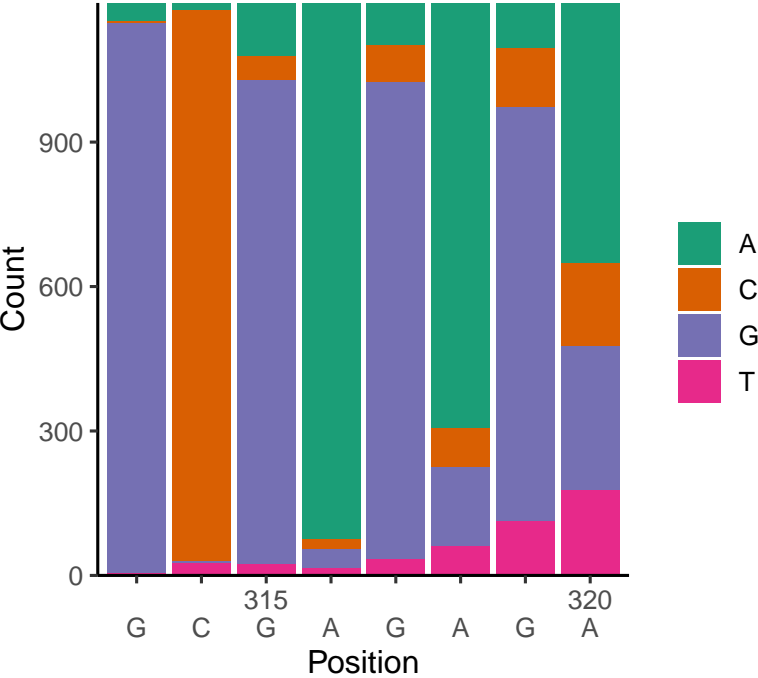
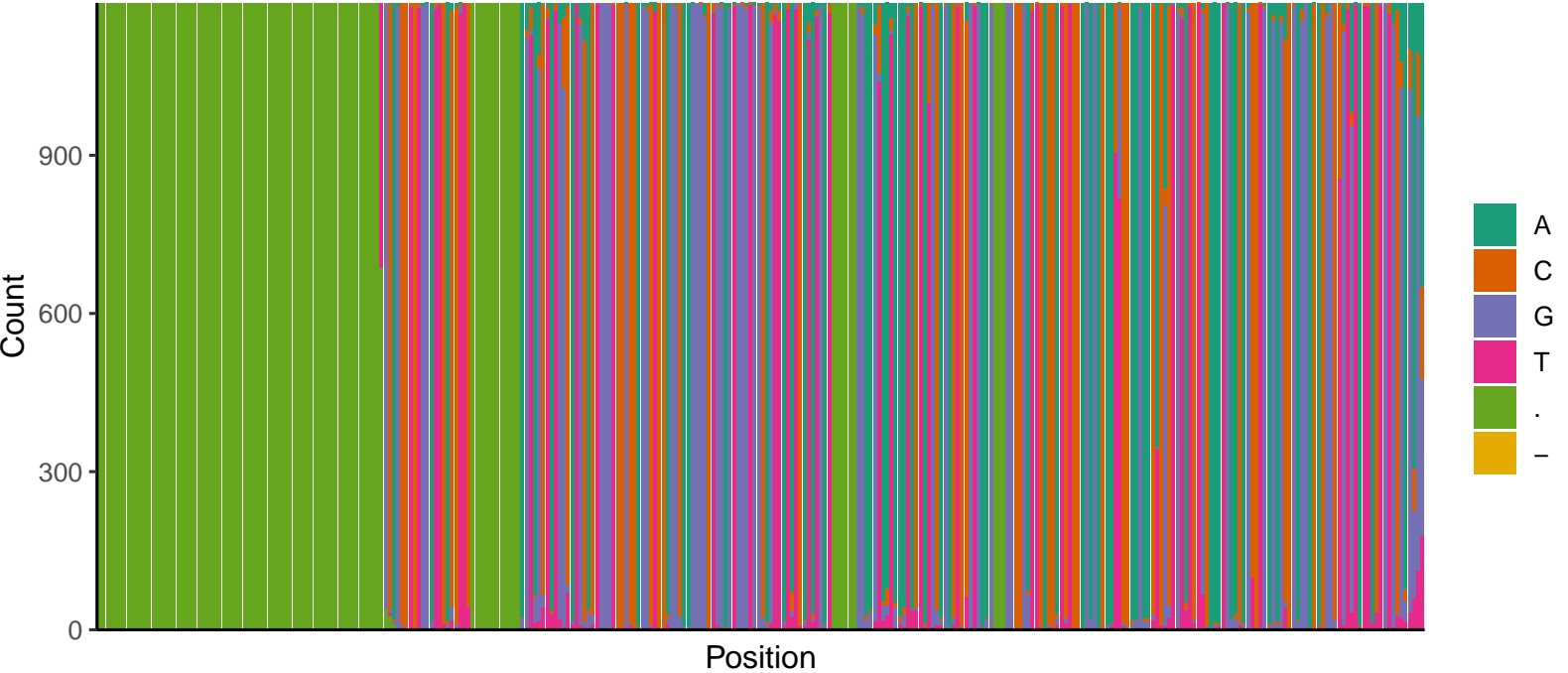


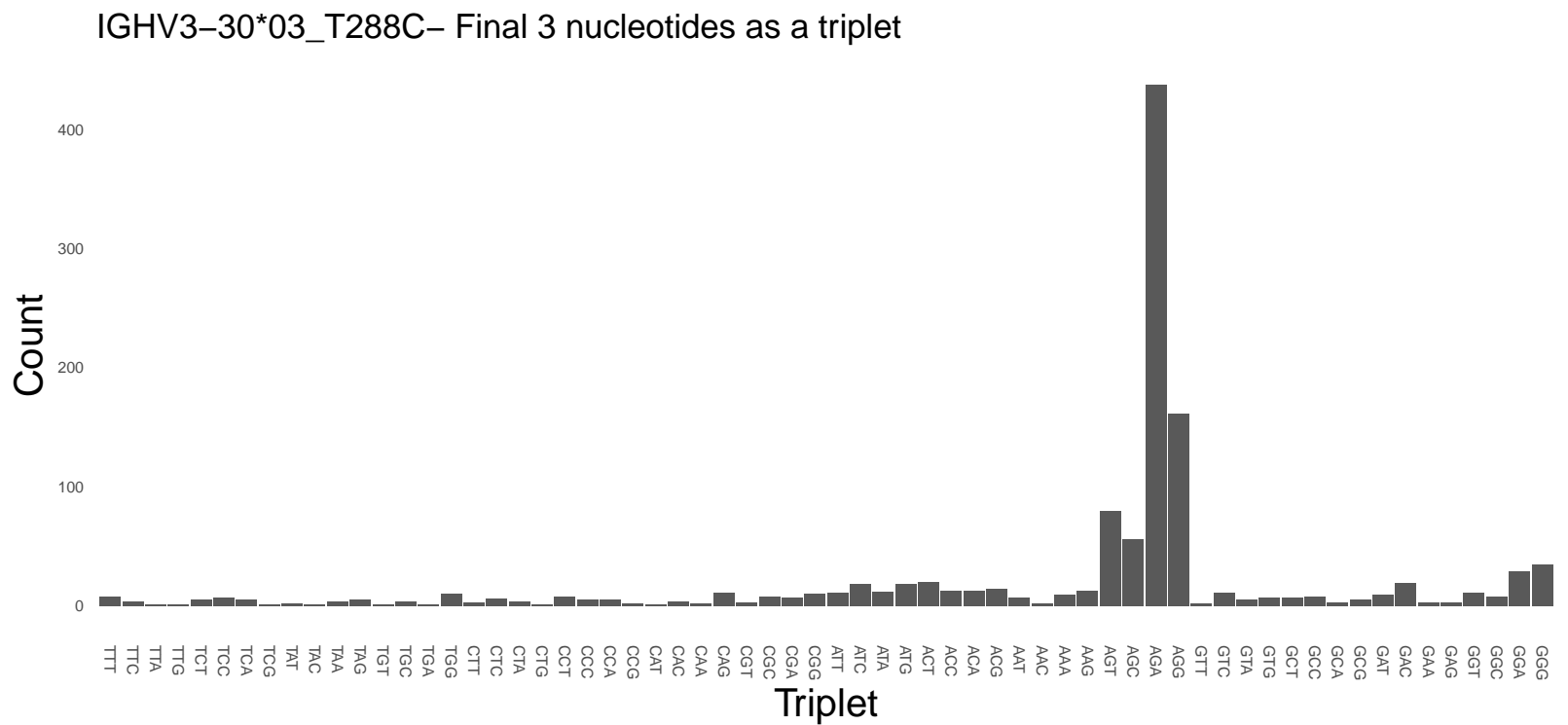
Gene IGHV3-30*03_T288C



Gene IGHV3-30*03_T288C

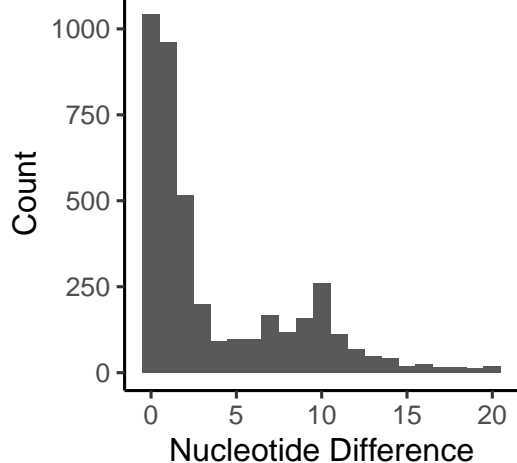


IGHV3-30*03_T288C- Final 3 nucleotides as a triplet



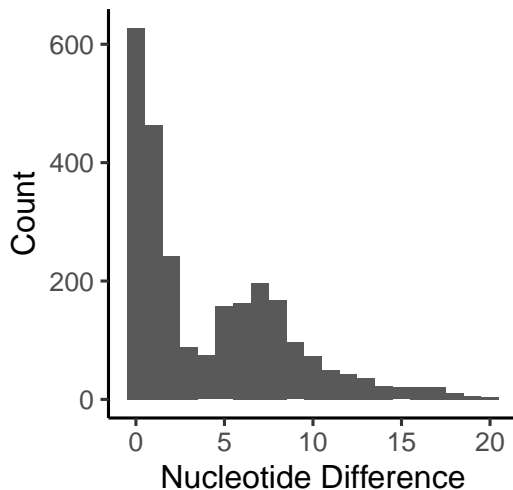
IGHV1-2*02

4497 sequences assigned
1042 (23.2%) exact matches, in which:
984 unique CDR3
6 unique J



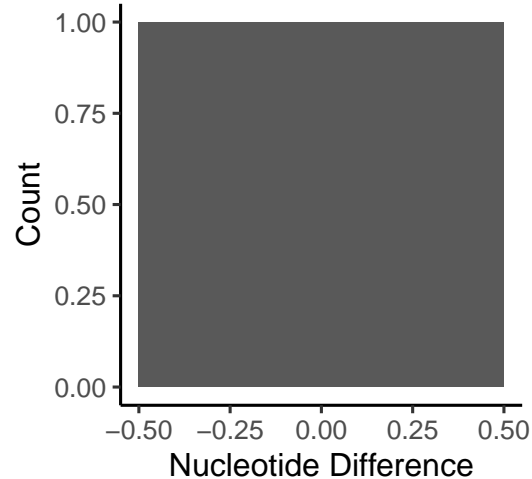
IGHV1-8*01

2630 sequences assigned
628 (23.9%) exact matches, in which:
599 unique CDR3
6 unique J



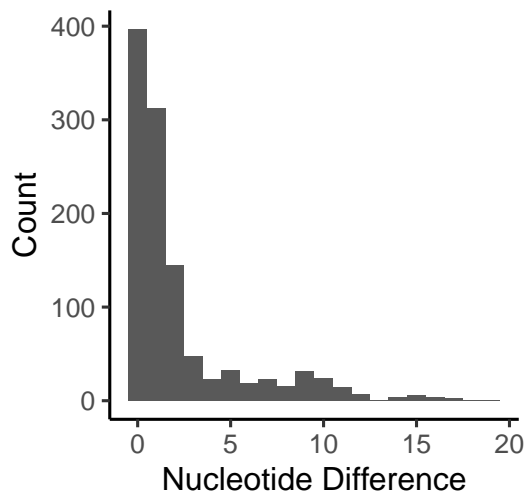
IGHV1-38-4*01

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



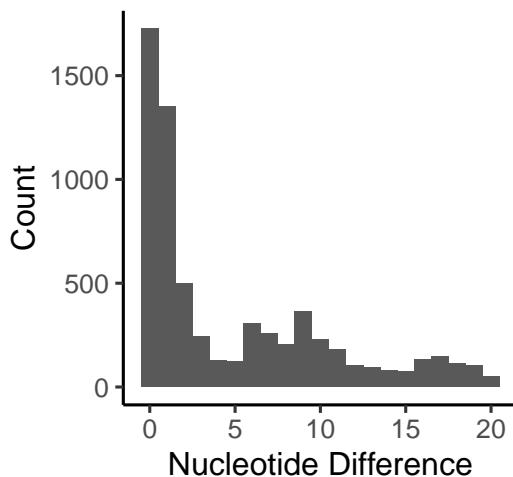
IGHV1-2*04

1118 sequences assigned
397 (35.5%) exact matches, in which:
376 unique CDR3
6 unique J



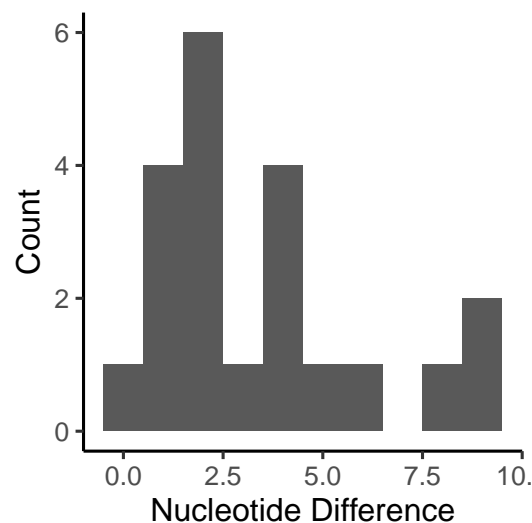
IGHV1-18*01

6844 sequences assigned
1726 (25.2%) exact matches, in which:
1618 unique CDR3
6 unique J



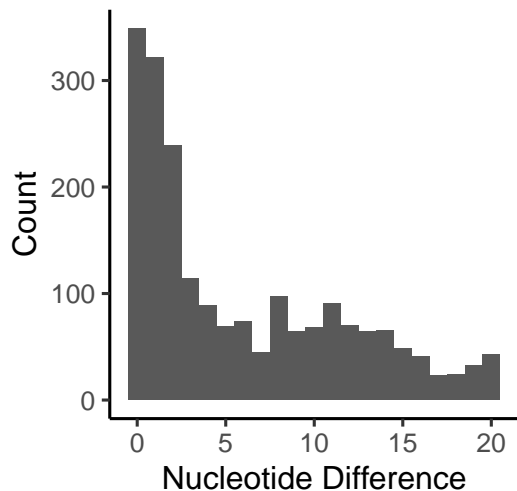
IGHV1-45*02

23 sequences assigned
1 (4.3%) exact matches, in which:
1 unique CDR3
1 unique J



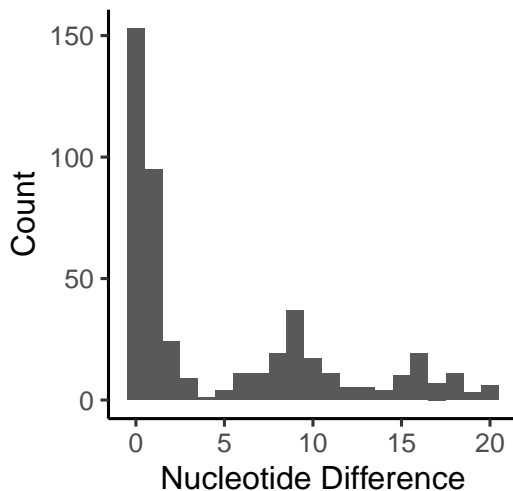
IGHV1-3*01_05

2184 sequences assigned
349 (16%) exact matches, in which:
328 unique CDR3
6 unique J



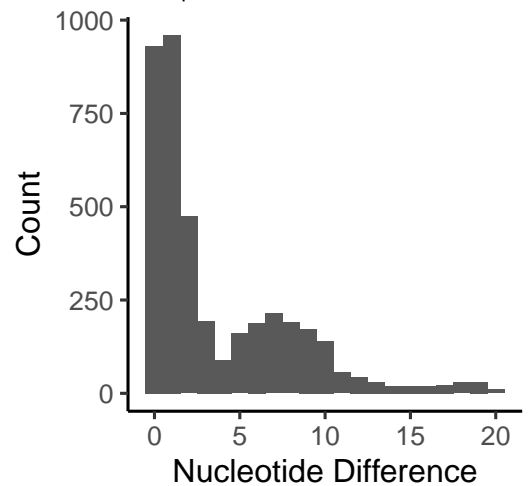
IGHV1-24*01

465 sequences assigned
153 (32.9%) exact matches, in which:
148 unique CDR3
6 unique J



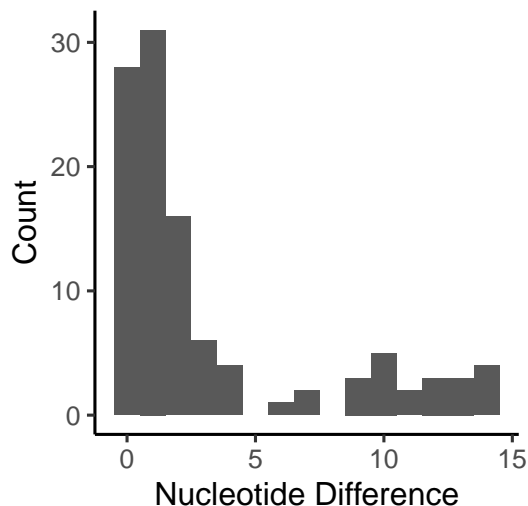
IGHV1-46*01

4031 sequences assigned
931 (23.1%) exact matches, in which:
882 unique CDR3
6 unique J



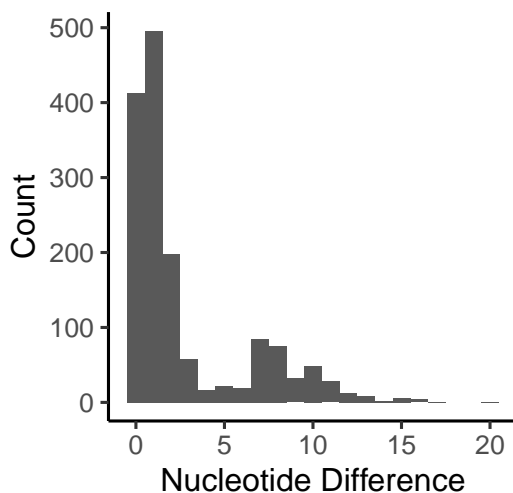
IGHV1-58*02

109 sequences assigned
28 (25.7%) exact matches, in which:
28 unique CDR3
4 unique J



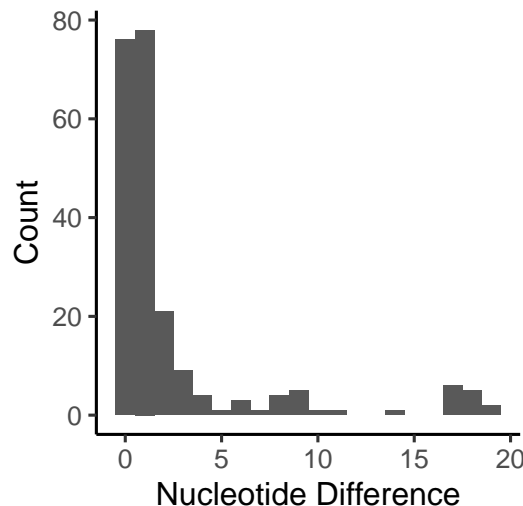
IGHV1-69*02

1534 sequences assigned
413 (26.9%) exact matches, in which:
396 unique CDR3
6 unique J



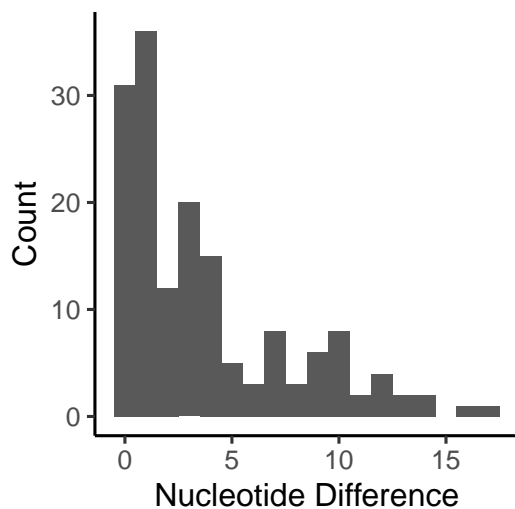
IGHV2-26*01

220 sequences assigned
76 (34.5%) exact matches, in which:
63 unique CDR3
5 unique J



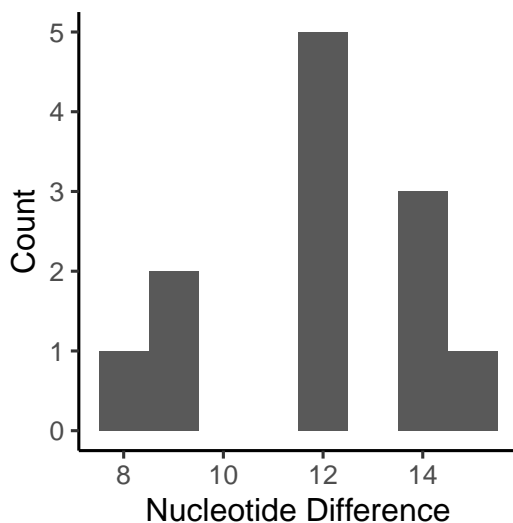
IGHV1-58*01_03

159 sequences assigned
31 (19.5%) exact matches, in which:
31 unique CDR3
4 unique J



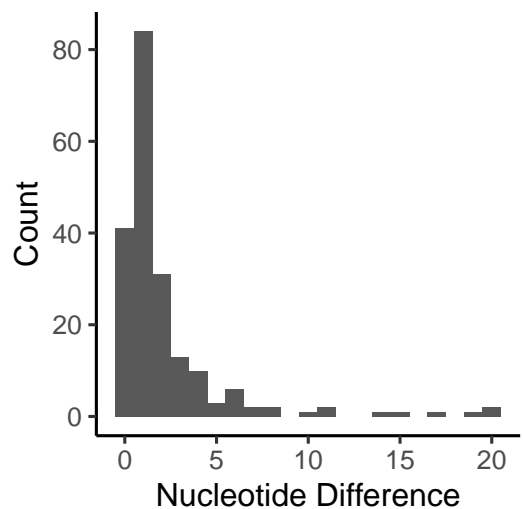
IGHV1-NL1*01

12 sequences assigned
No exact matches.



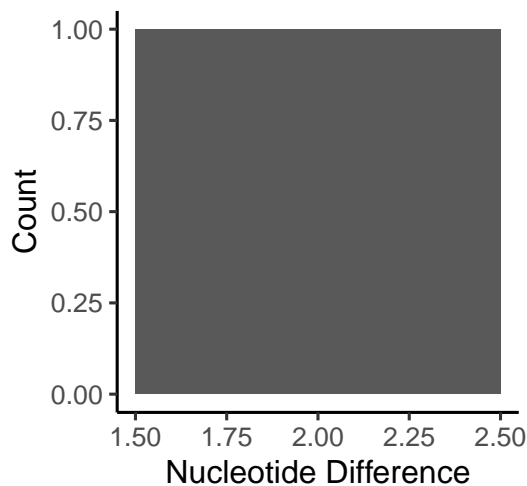
IGHV2-70*01

201 sequences assigned
41 (20.4%) exact matches, in which:
34 unique CDR3
4 unique J



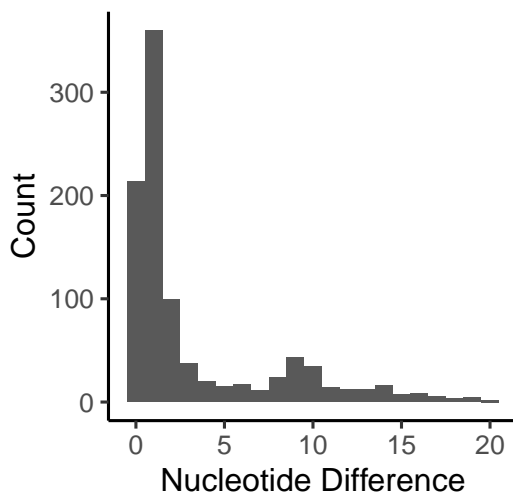
IGHV1-68*01

2 sequences assigned
No exact matches.



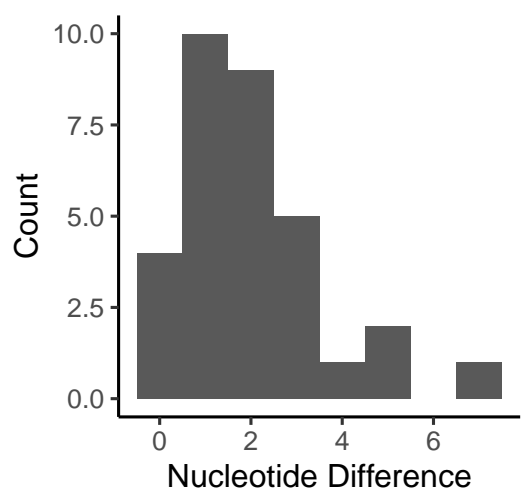
IGHV2-5*02

991 sequences assigned
214 (21.6%) exact matches, in which:
185 unique CDR3
6 unique J



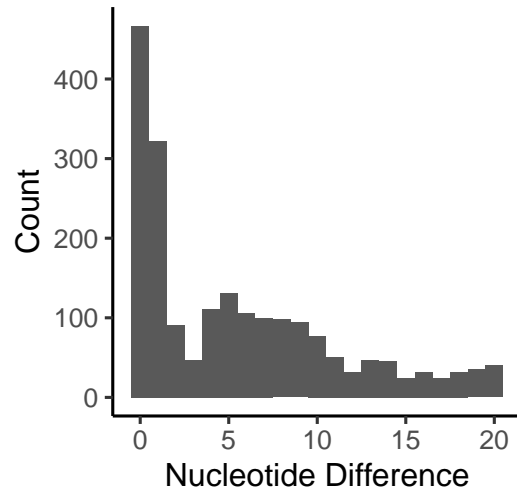
IGHV2-70*12

32 sequences assigned
4 (12.5%) exact matches, in which:
4 unique CDR3
2 unique J



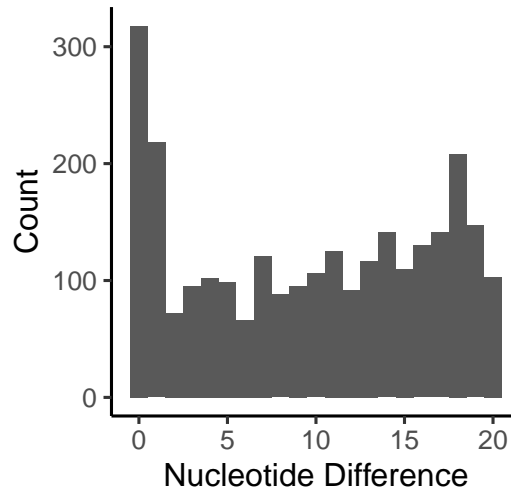
IGHV3-7*01

2152 sequences assigned
467 (21.7%) exact matches, in which:
387 unique CDR3
6 unique J



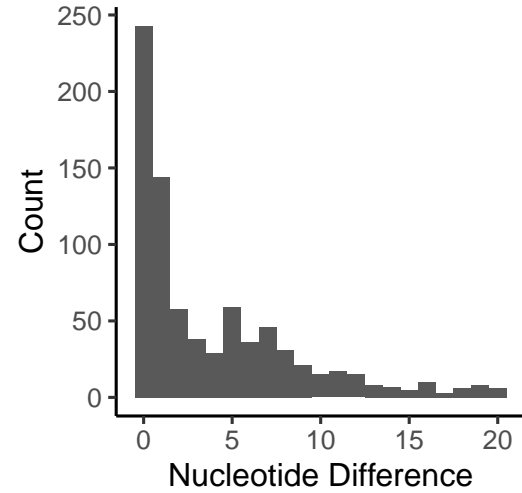
IGHV3-9*01

3430 sequences assigned
318 (9.3%) exact matches, in which:
249 unique CDR3
6 unique J



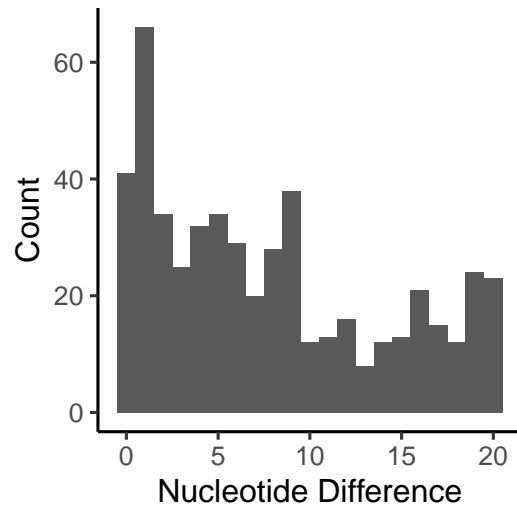
IGHV3-11*06

898 sequences assigned
243 (27.1%) exact matches, in which:
203 unique CDR3
6 unique J



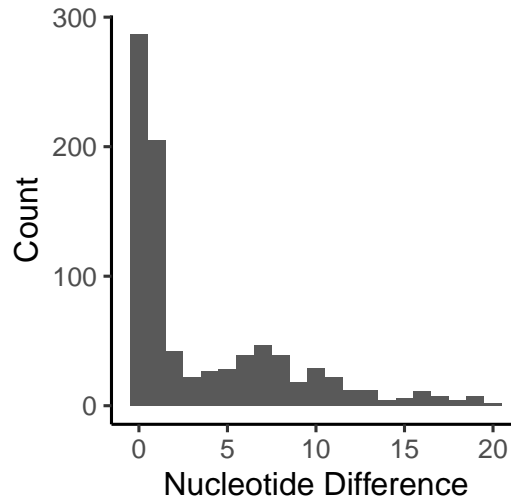
IGHV3-7*03

774 sequences assigned
41 (5.3%) exact matches, in which:
34 unique CDR3
4 unique J



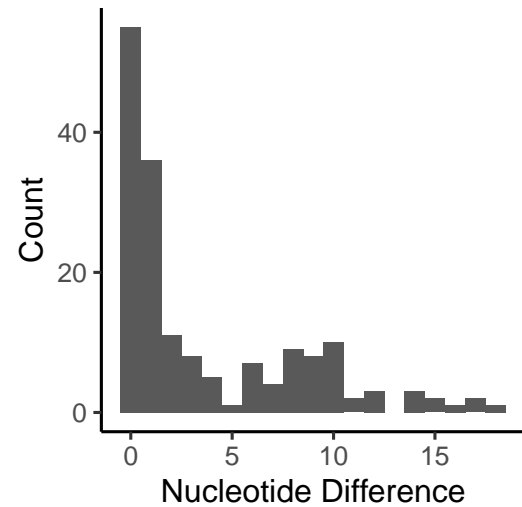
IGHV3-11*01

892 sequences assigned
287 (32.2%) exact matches, in which:
233 unique CDR3
6 unique J



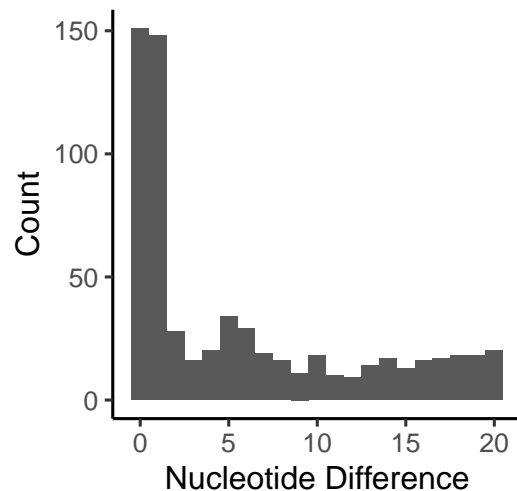
IGHV3-13*01

177 sequences assigned
55 (31.1%) exact matches, in which:
47 unique CDR3
5 unique J



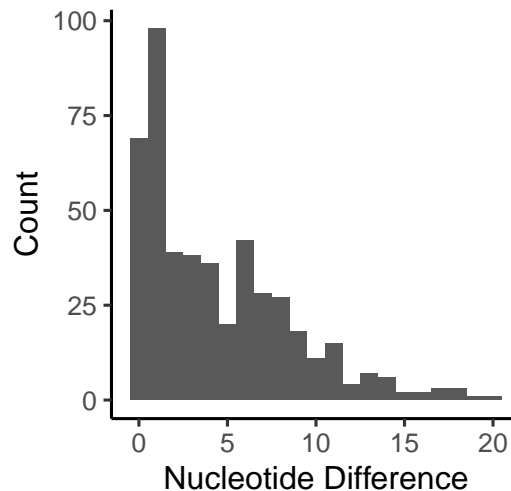
IGHV3-7*04

790 sequences assigned
151 (19.1%) exact matches, in which:
111 unique CDR3
6 unique J



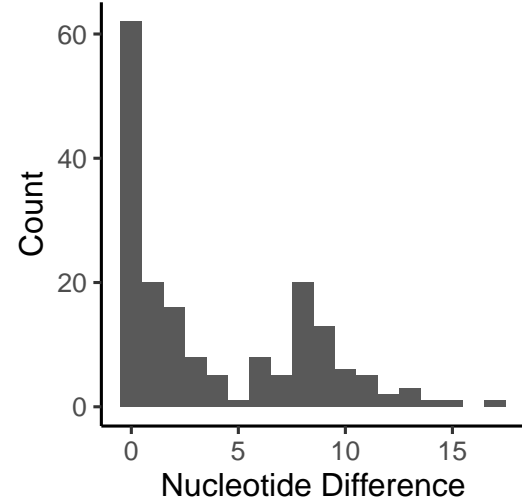
IGHV3-11*04

480 sequences assigned
69 (14.4%) exact matches, in which:
67 unique CDR3
4 unique J



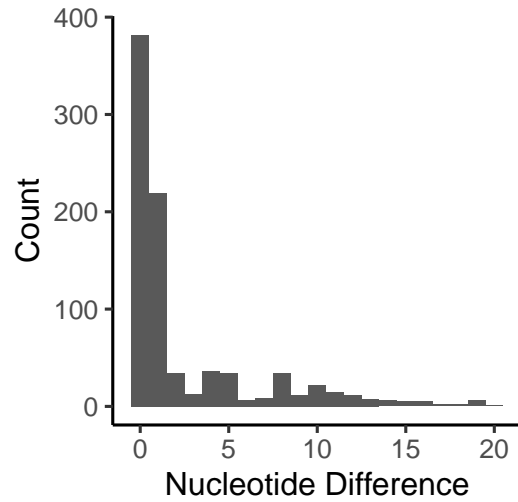
IGHV3-13*05

177 sequences assigned
62 (35%) exact matches, in which:
60 unique CDR3
5 unique J



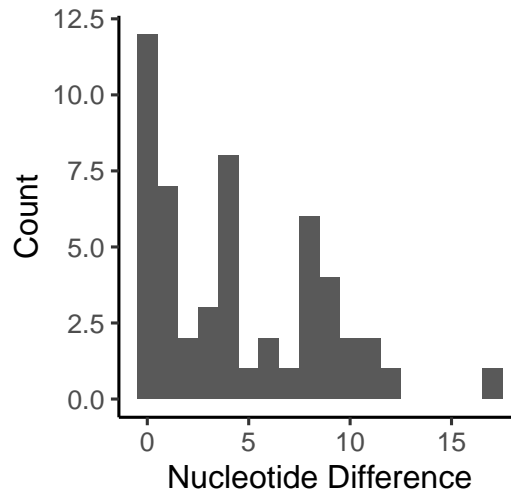
IGHV3-15*07

891 sequences assigned
382 (42.9%) exact matches, in which:
261 unique CDR3
6 unique J



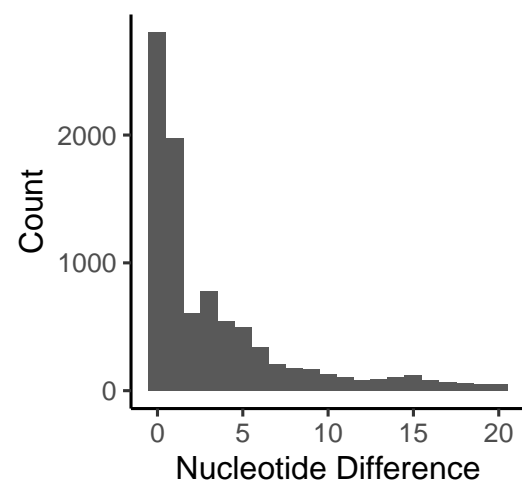
IGHV3-20*03_04

57 sequences assigned
12 (21.1%) exact matches, in which:
10 unique CDR3
2 unique J



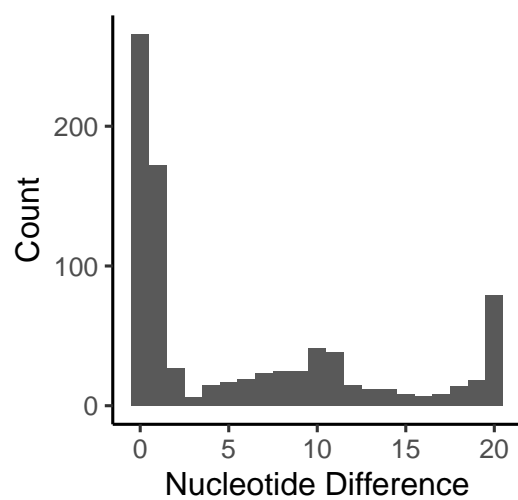
IGHV3-30-3*01

9524 sequences assigned
2803 (29.4%) exact matches, in which:
2240 unique CDR3
6 unique J



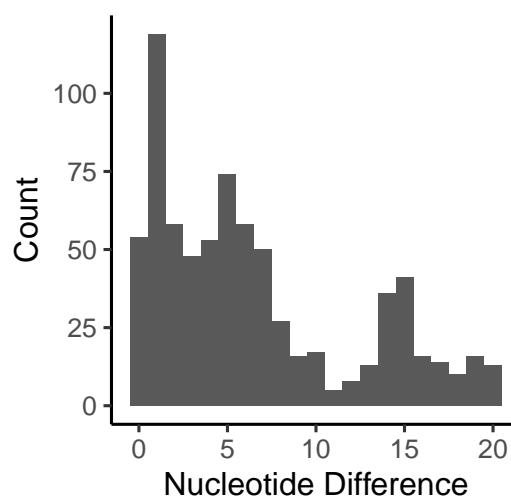
IGHV3-15*01_02

1524 sequences assigned
266 (17.5%) exact matches, in which:
197 unique CDR3
5 unique J



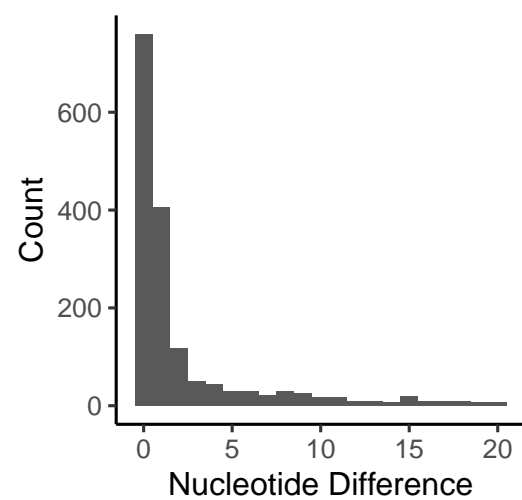
IGHV3-21*04

823 sequences assigned
54 (6.6%) exact matches, in which:
52 unique CDR3
5 unique J



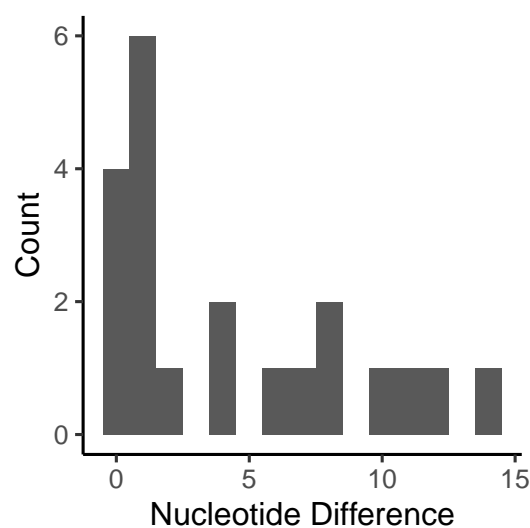
IGHV3-30*03

1773 sequences assigned
760 (42.9%) exact matches, in which:
660 unique CDR3
6 unique J



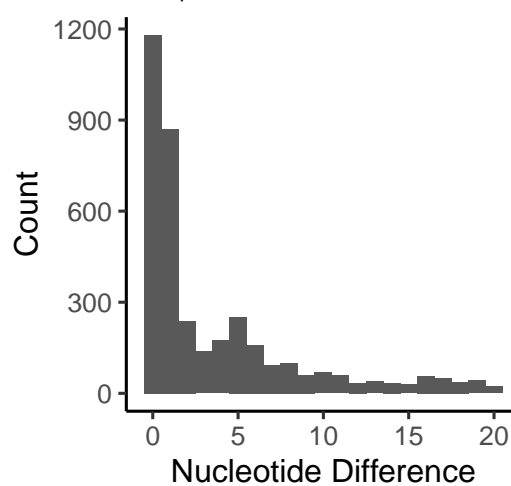
IGHV3-19*01

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



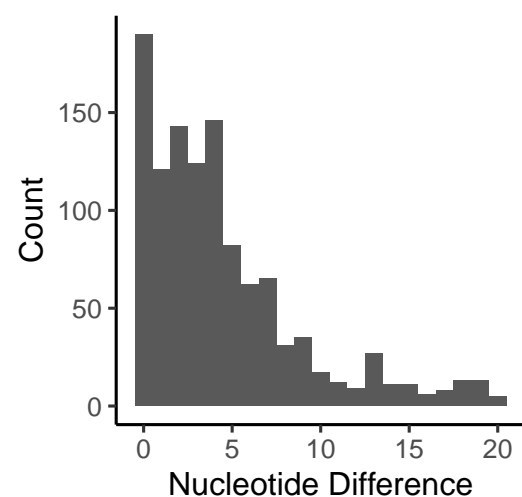
IGHV3-21*01_02

3991 sequences assigned
1180 (29.6%) exact matches, in which:
946 unique CDR3
6 unique J



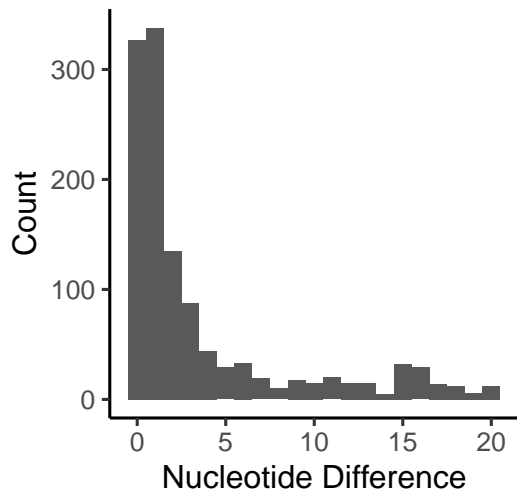
IGHV3-30*03_T288C

1189 sequences assigned
190 (16%) exact matches, in which:
177 unique CDR3
6 unique J



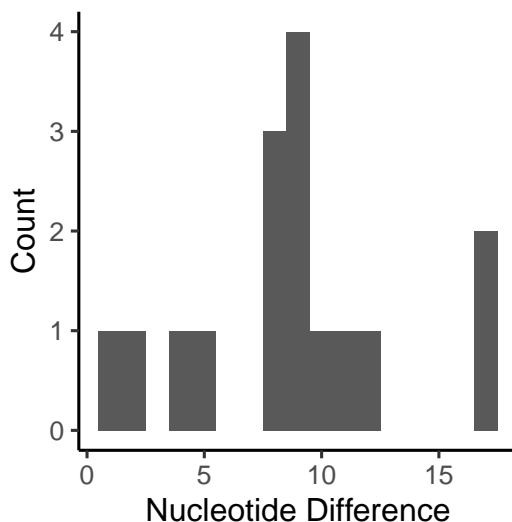
IGHV3-33*01

1241 sequences assigned
327 (26.3%) exact matches, in which:
263 unique CDR3
6 unique J



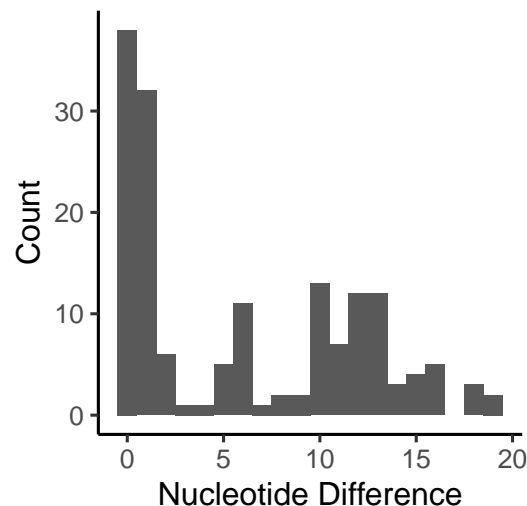
IGHV3-35*01

16 sequences assigned
No exact matches.



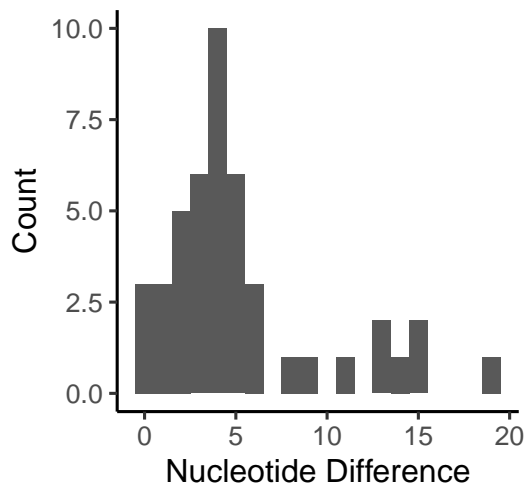
IGHV3-43*01

194 sequences assigned
38 (19.6%) exact matches, in which:
27 unique CDR3
3 unique J



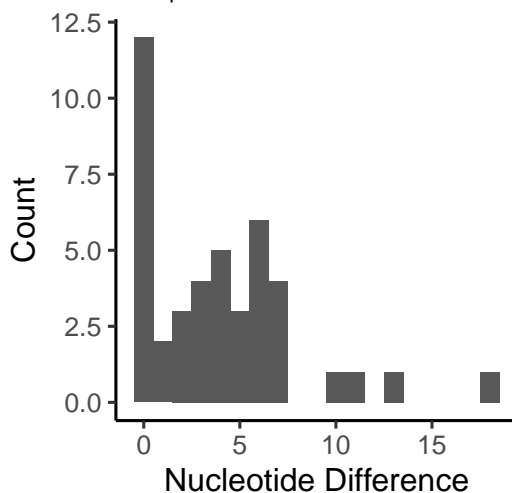
IGHV3-33*05

48 sequences assigned
3 (6.2%) exact matches, in which:
3 unique CDR3
3 unique J



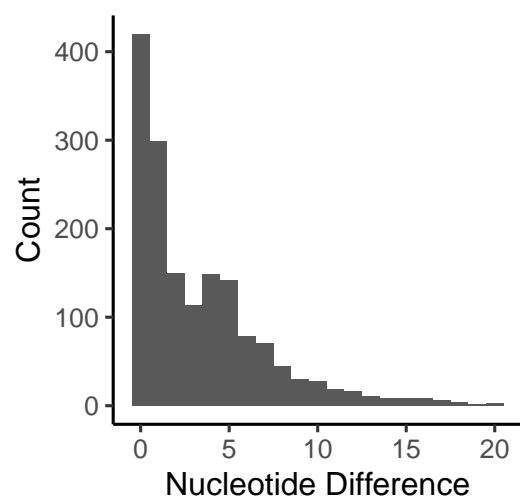
IGHV3-38-3*01

43 sequences assigned
12 (27.9%) exact matches, in which:
12 unique CDR3
3 unique J



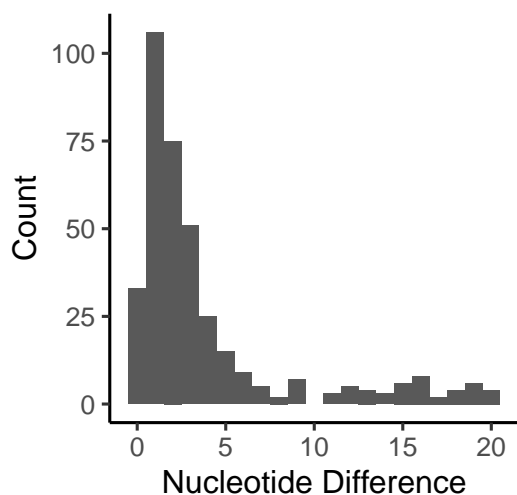
IGHV3-48*01

1674 sequences assigned
420 (25.1%) exact matches, in which:
340 unique CDR3
6 unique J



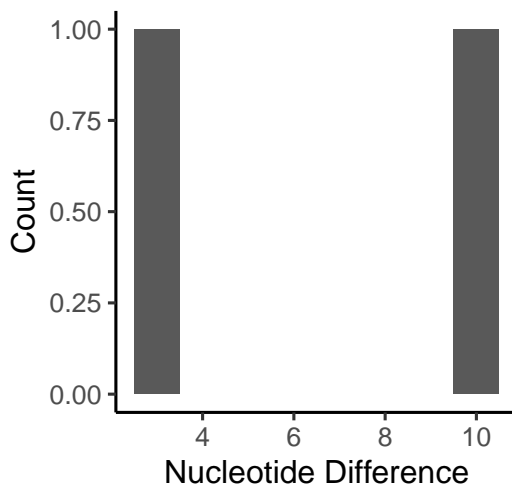
IGHV3-33*06

379 sequences assigned
33 (8.7%) exact matches, in which:
32 unique CDR3
4 unique J



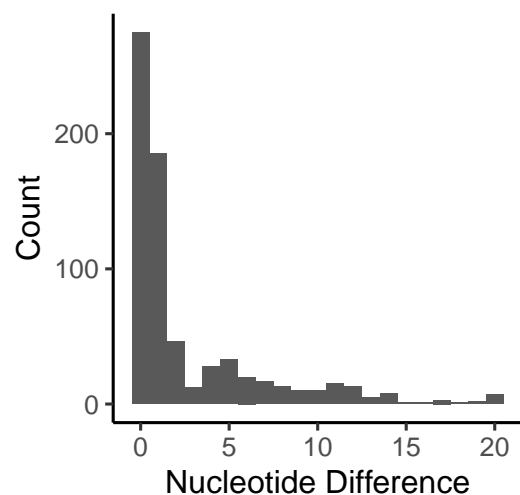
IGHV3-38*03

2 sequences assigned
No exact matches.



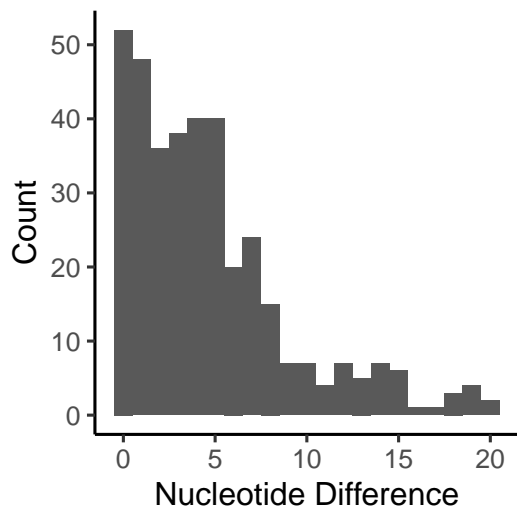
IGHV3-48*02

829 sequences assigned
275 (33.2%) exact matches, in which:
211 unique CDR3
6 unique J



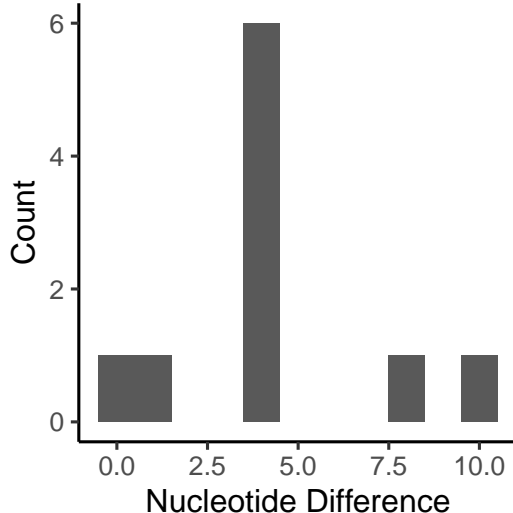
IGHV3-48*04

387 sequences assigned
52 (13.4%) exact matches, in which:
52 unique CDR3
5 unique J



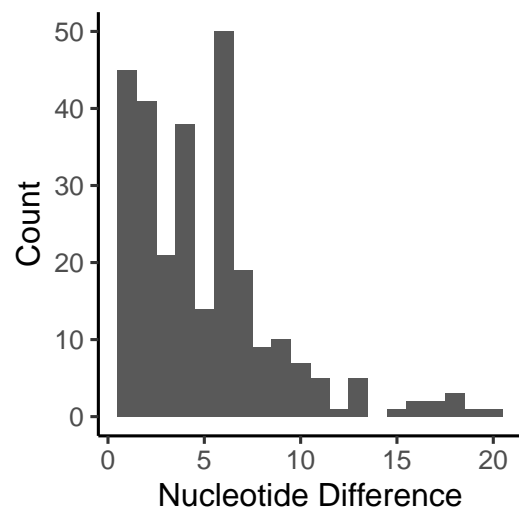
IGHV3-52*01_03

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



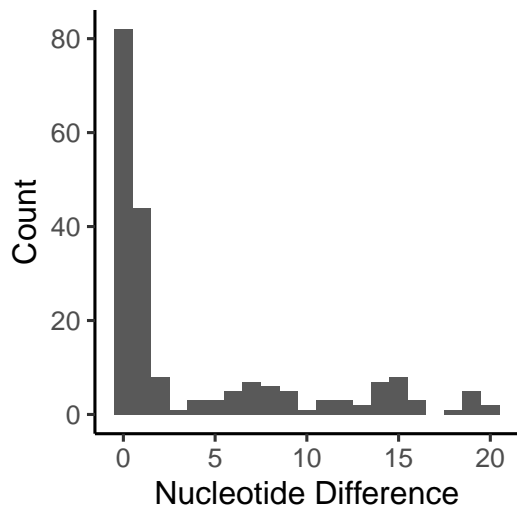
IGHV3-64*04

286 sequences assigned
No exact matches.



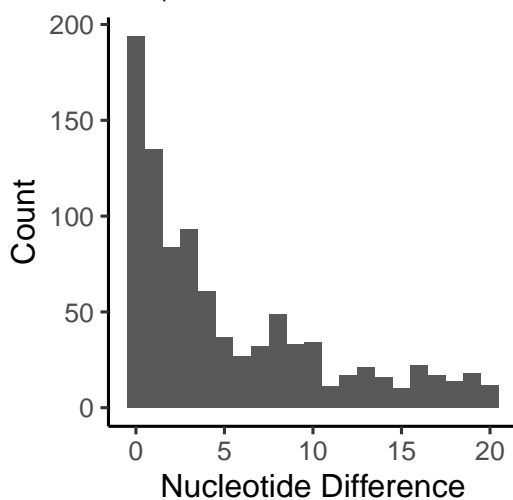
IGHV3-49*03_05

210 sequences assigned
82 (39%) exact matches, in which:
59 unique CDR3
5 unique J



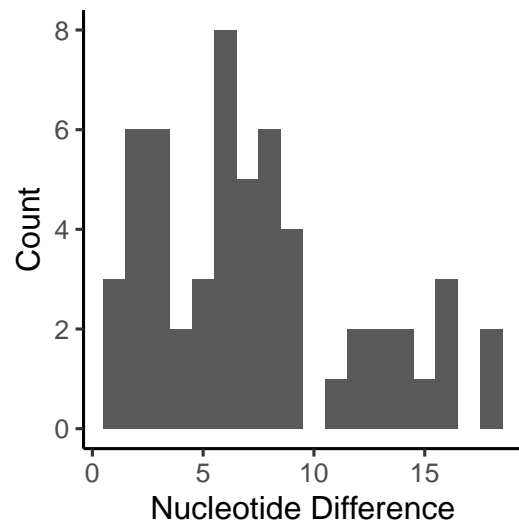
IGHV3-53*01_02

979 sequences assigned
194 (19.8%) exact matches, in which:
161 unique CDR3
5 unique J



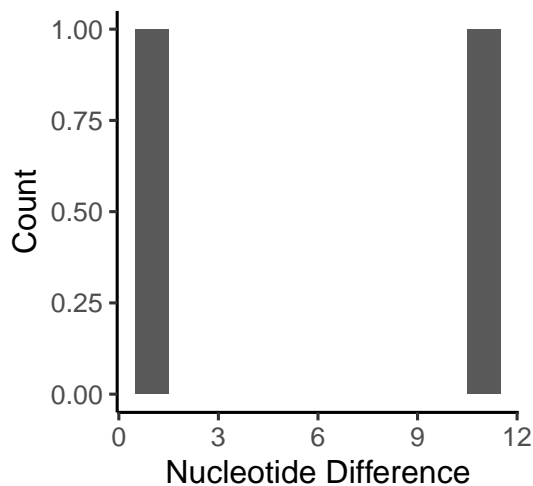
IGHV3-66*01

66 sequences assigned
No exact matches.



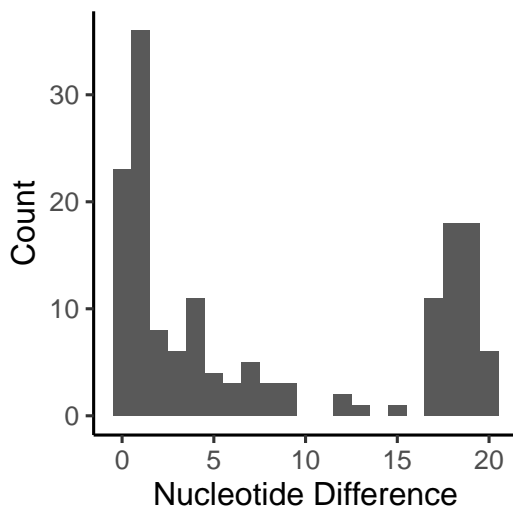
IGHV3-52*02

2 sequences assigned
No exact matches.



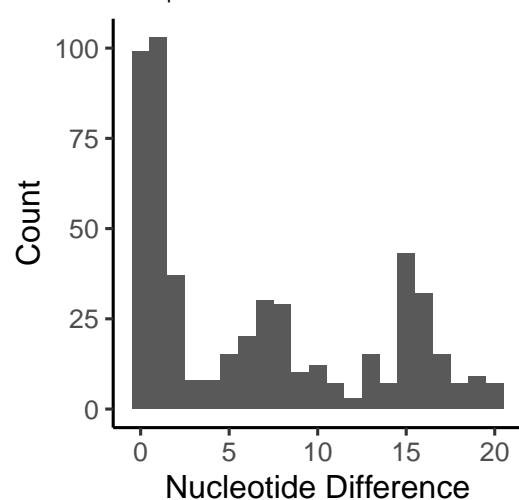
IGHV3-64*01

194 sequences assigned
23 (11.9%) exact matches, in which:
19 unique CDR3
4 unique J



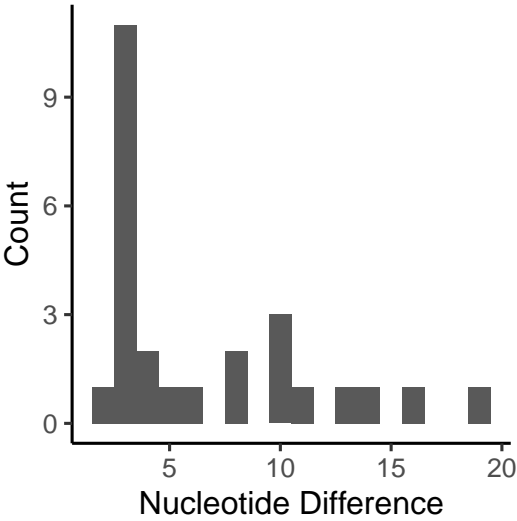
IGHV3-66*02

566 sequences assigned
99 (17.5%) exact matches, in which:
88 unique CDR3
6 unique J



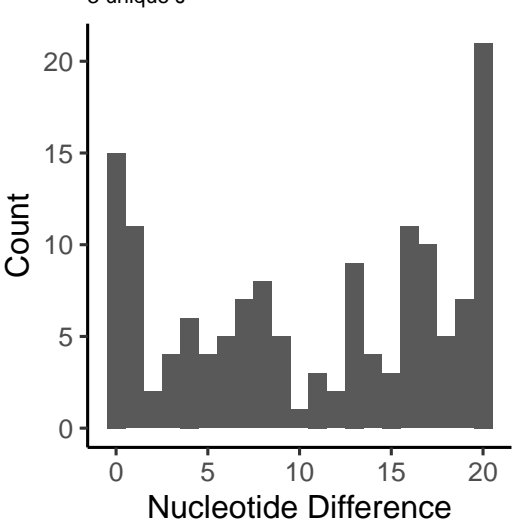
IGHV3-69-1*01

32 sequences assigned
No exact matches.



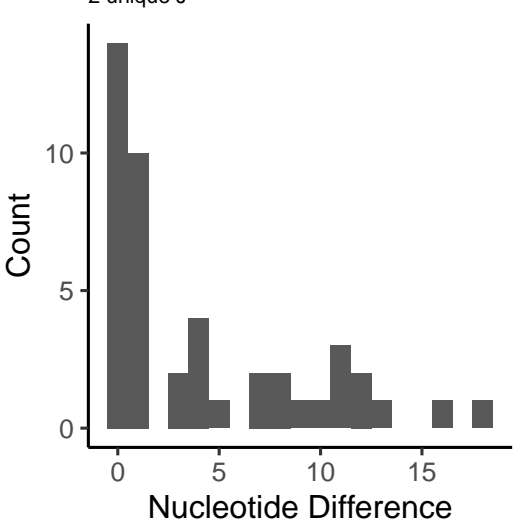
IGHV3-72*01

173 sequences assigned
15 (8.7%) exact matches, in which:
12 unique CDR3
3 unique J



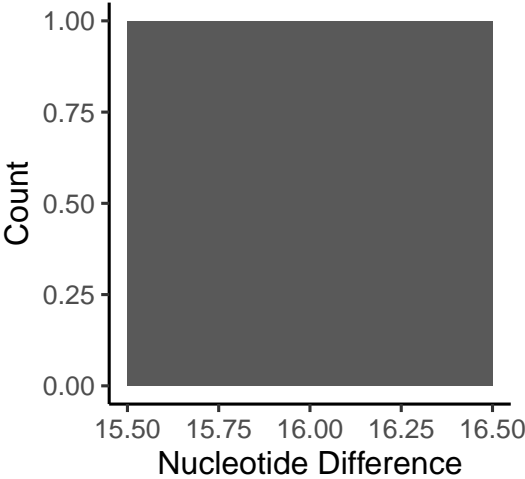
IGHV3-43D*03

49 sequences assigned
14 (28.6%) exact matches, in which:
12 unique CDR3
2 unique J



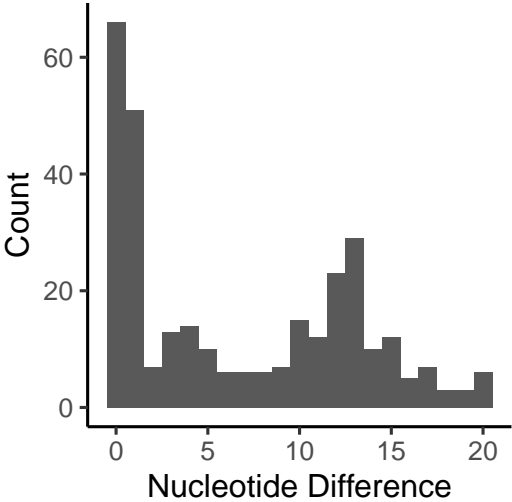
IGHV3-71*03

1 sequences assigned
No exact matches.



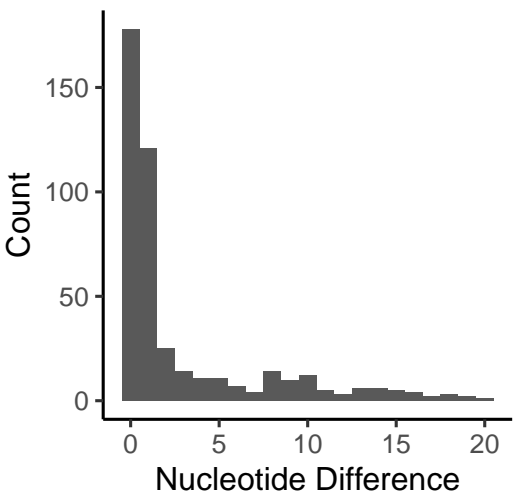
IGHV3-73*01_02

333 sequences assigned
66 (19.8%) exact matches, in which:
53 unique CDR3
4 unique J



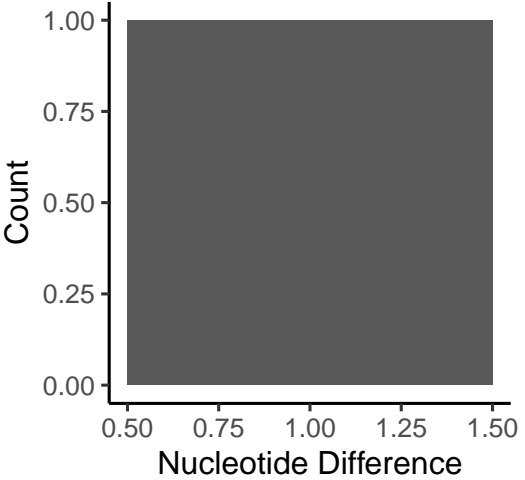
IGHV3-64D*06

530 sequences assigned
178 (33.6%) exact matches, in which:
137 unique CDR3
6 unique J



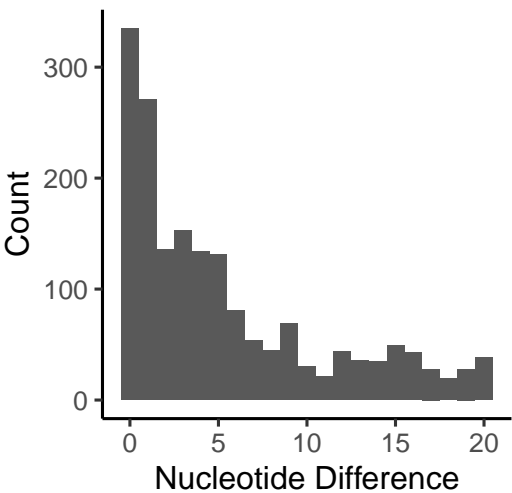
IGHV3-71*01_04

2 sequences assigned
No exact matches.



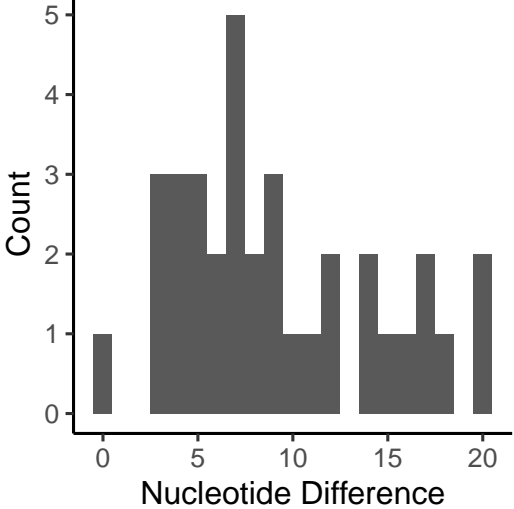
IGHV3-74*01_02

2039 sequences assigned
335 (16.4%) exact matches, in which:
258 unique CDR3
5 unique J



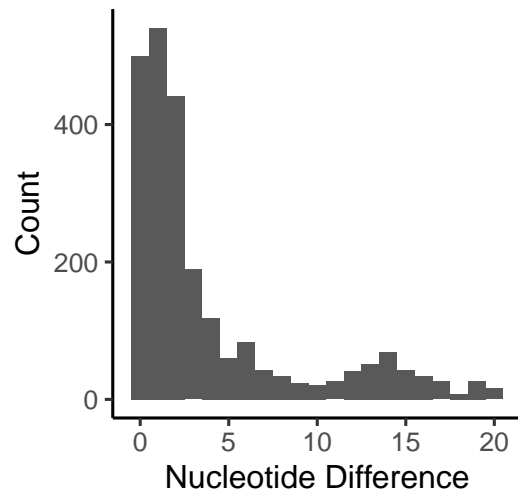
IGHV3-NL1*01

36 sequences assigned
1 (2.8%) exact matches, in which:
1 unique CDR3
1 unique J



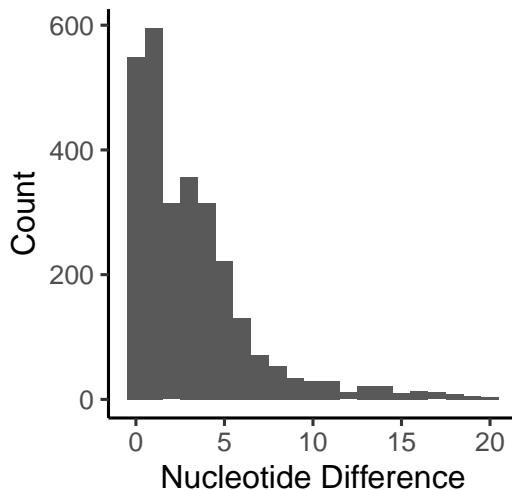
IGHV4-4*07

2613 sequences assigned
500 (19.1%) exact matches, in which:
463 unique CDR3
6 unique J



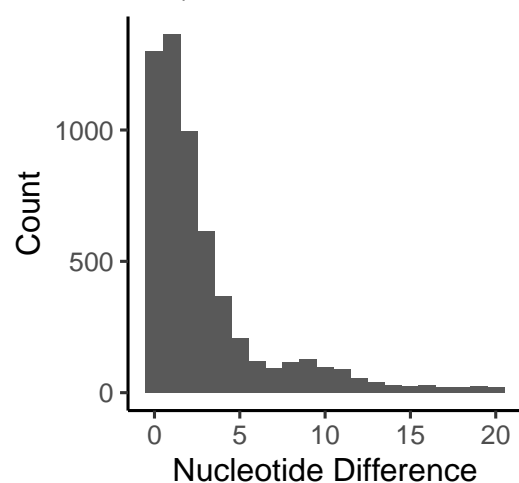
IGHV4-30-4*01

2953 sequences assigned
549 (18.6%) exact matches, in which:
475 unique CDR3
6 unique J



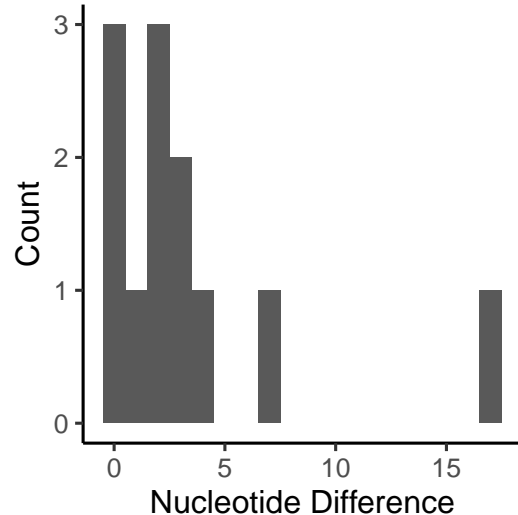
IGHV4-34*01_02

5864 sequences assigned
1299 (22.2%) exact matches, in which:
1093 unique CDR3
6 unique J



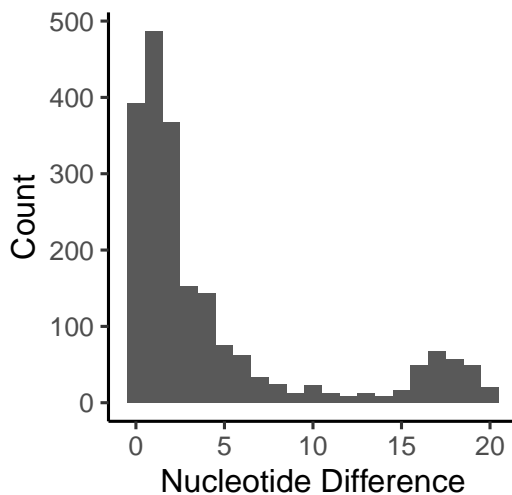
IGHV4-28*03

12 sequences assigned
3 (25%) exact matches, in which:
3 unique CDR3
2 unique J



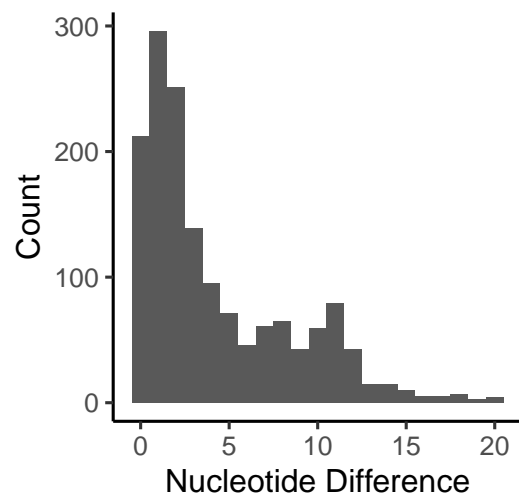
IGHV4-30-2*01

2119 sequences assigned
392 (18.5%) exact matches, in which:
324 unique CDR3
6 unique J



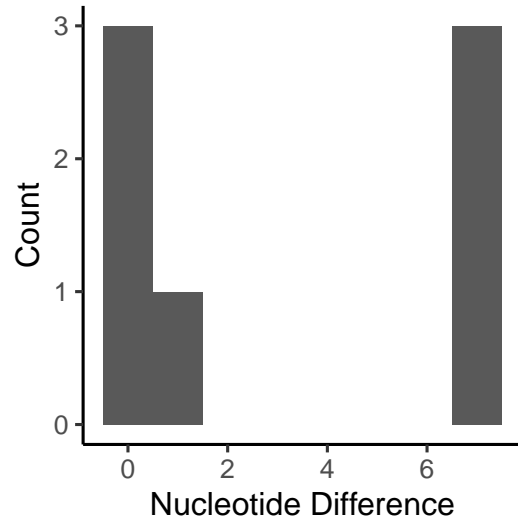
IGHV4-38-2*02

1580 sequences assigned
212 (13.4%) exact matches, in which:
198 unique CDR3
6 unique J



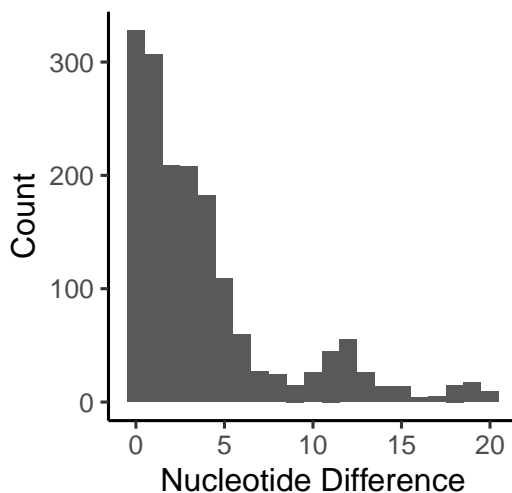
IGHV4-28*01_07

7 sequences assigned
3 (42.9%) exact matches, in which:
2 unique CDR3
1 unique J



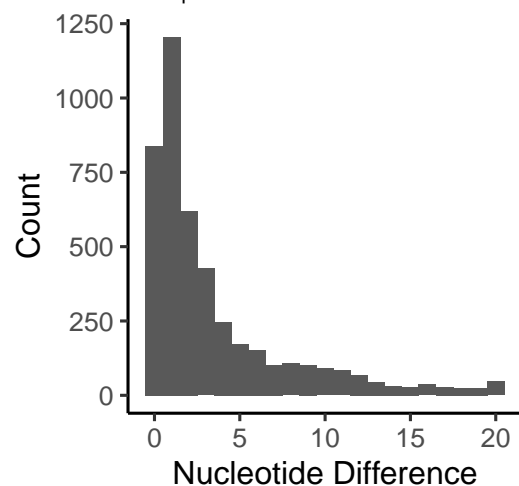
IGHV4-31*03_04

1829 sequences assigned
328 (17.9%) exact matches, in which:
289 unique CDR3
6 unique J



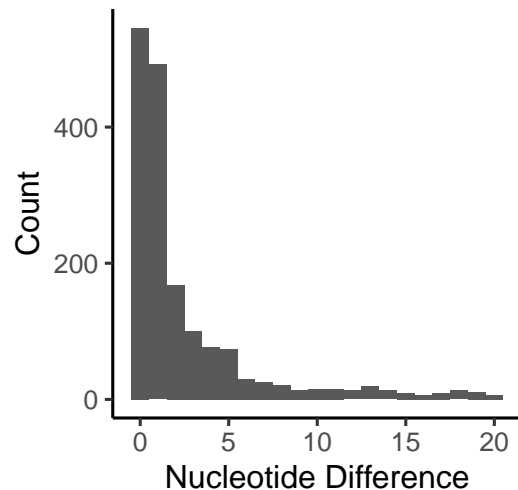
IGHV4-39*07

4842 sequences assigned
839 (17.3%) exact matches, in which:
747 unique CDR3
6 unique J



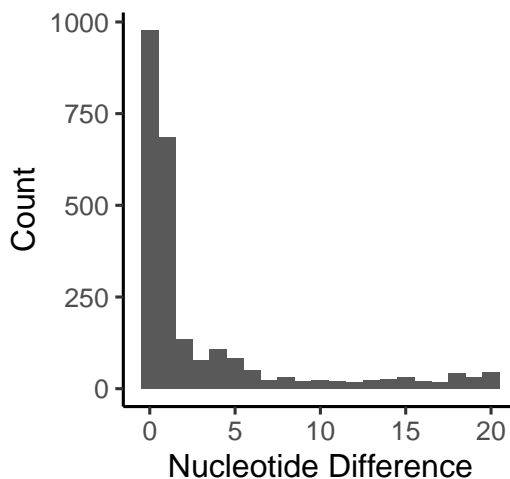
IGHV4-39*01_05

1814 sequences assigned
546 (30.1%) exact matches, in which:
475 unique CDR3
6 unique J



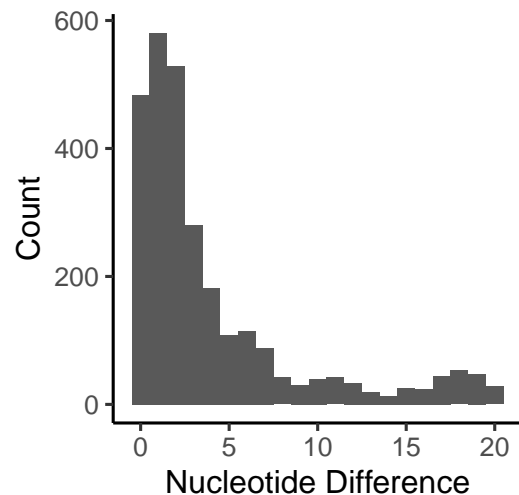
IGHV4-59*01_07

2795 sequences assigned
977 (35%) exact matches, in which:
909 unique CDR3
6 unique J



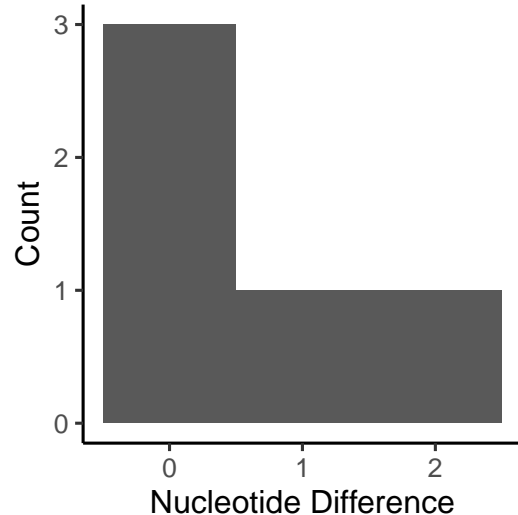
IGHV4-61*02

3015 sequences assigned
484 (16.1%) exact matches, in which:
443 unique CDR3
6 unique J



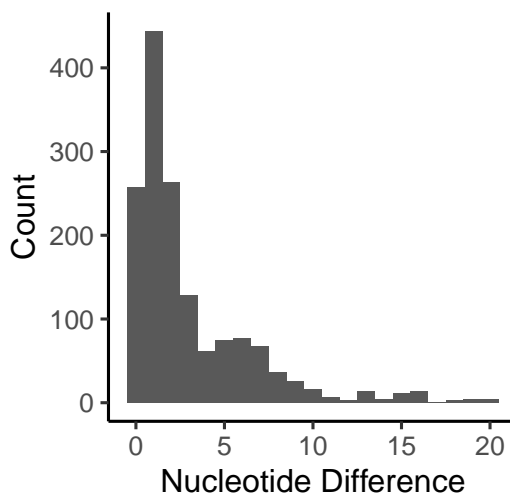
IGHV4-55*01_05

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
2 unique J



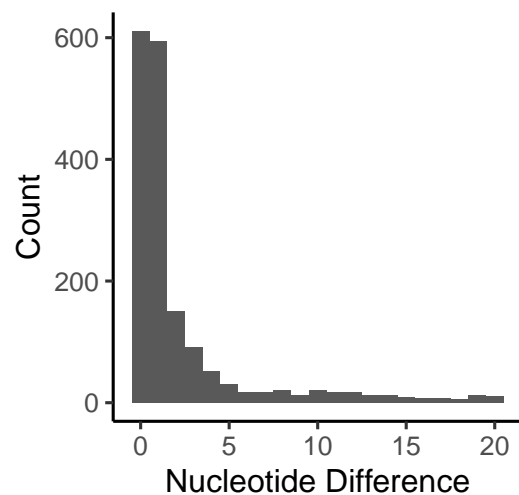
IGHV4-59*12

1663 sequences assigned
257 (15.5%) exact matches, in which:
250 unique CDR3
6 unique J



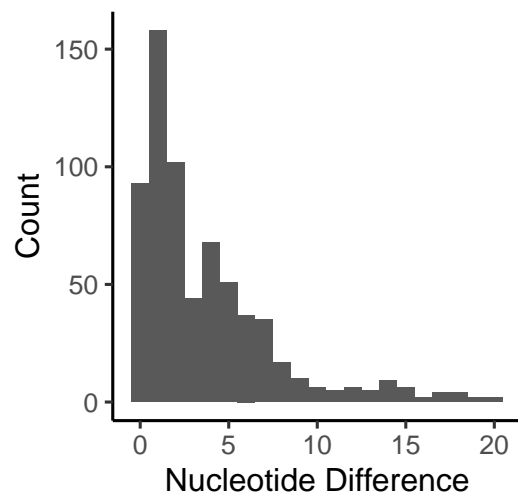
IGHV5-10-1*01_03

1777 sequences assigned
611 (34.4%) exact matches, in which:
502 unique CDR3
6 unique J



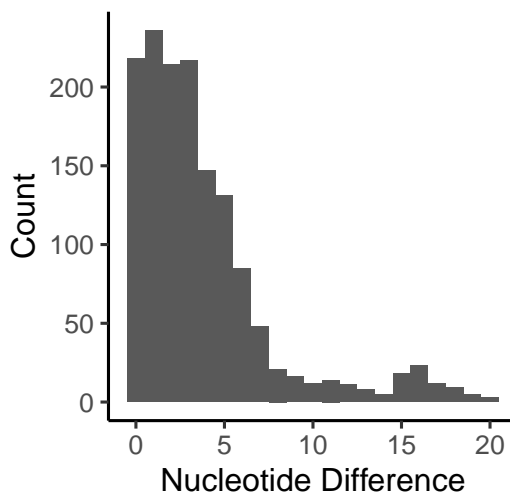
IGHV4-59*08

691 sequences assigned
93 (13.5%) exact matches, in which:
91 unique CDR3
6 unique J



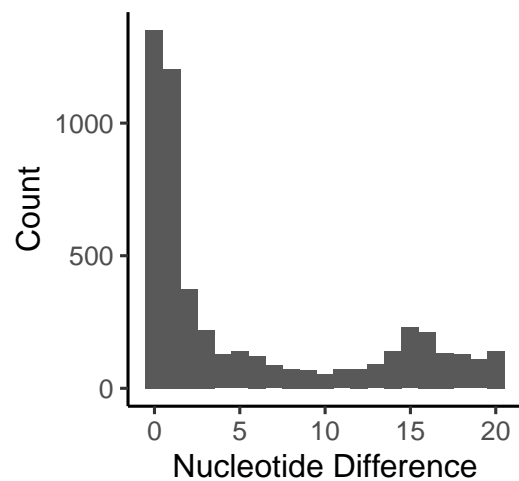
IGHV4-61*01

1481 sequences assigned
218 (14.7%) exact matches, in which:
209 unique CDR3
6 unique J



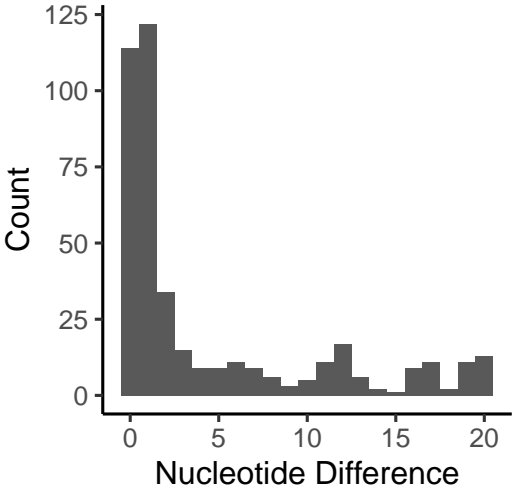
IGHV5-51*01_03

5486 sequences assigned
1351 (24.6%) exact matches, in which:
1113 unique CDR3
6 unique J



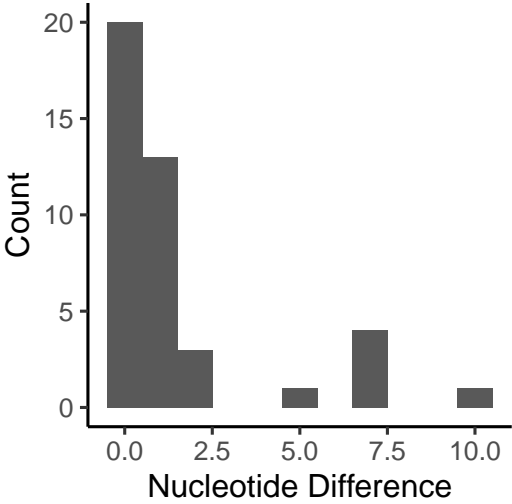
IGHV6-1*01_02

434 sequences assigned
114 (26.3%) exact matches, in which:
100 unique CDR3
6 unique J



IGHV7-4-1*01

43 sequences assigned
20 (46.5%) exact matches, in which:
18 unique CDR3
3 unique J





Novel sequence(s)IGHV1-69*01_12_13_G238AIGHV3-48*03_T303G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV5-51*07_A128G are not listed in the genotype and will be ignored.