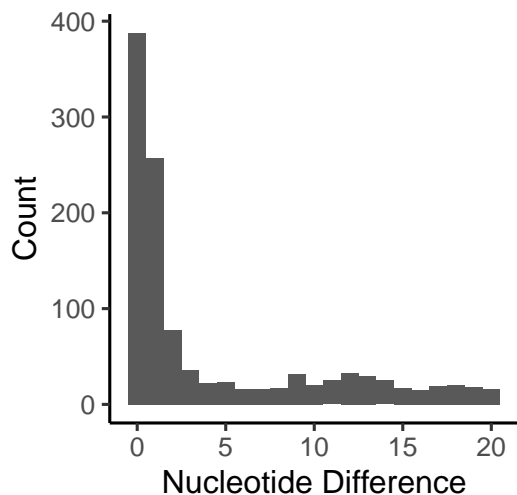


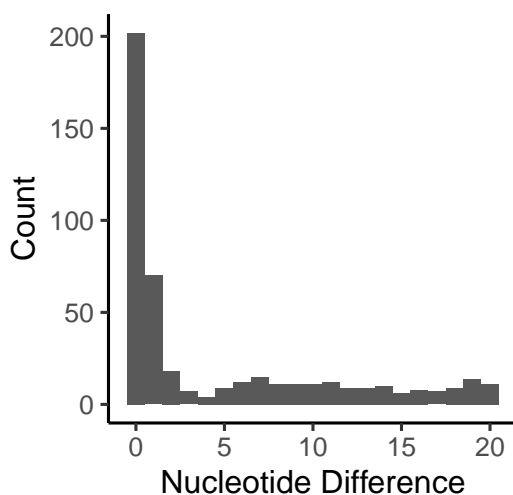
IGHV1–2*02

1439 sequences assigned
388 (27%) exact matches, in which:
387 unique CDR3
6 unique J



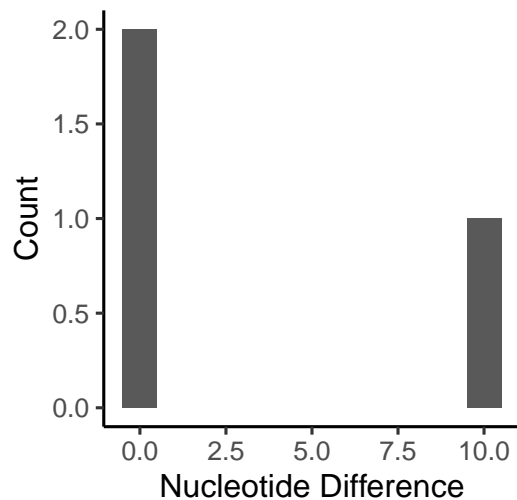
IGHV1–18*01

721 sequences assigned
202 (28%) exact matches, in which:
202 unique CDR3
6 unique J



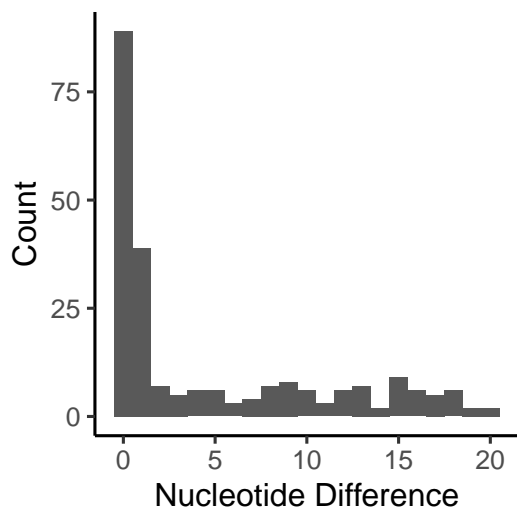
IGHV1–45*02

17 sequences assigned
2 (11.8%) exact matches, in which:
2 unique CDR3
2 unique J



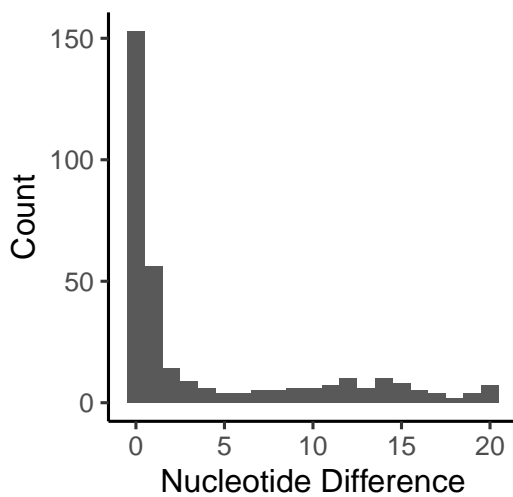
IGHV1–3*01

337 sequences assigned
89 (26.4%) exact matches, in which:
89 unique CDR3
5 unique J



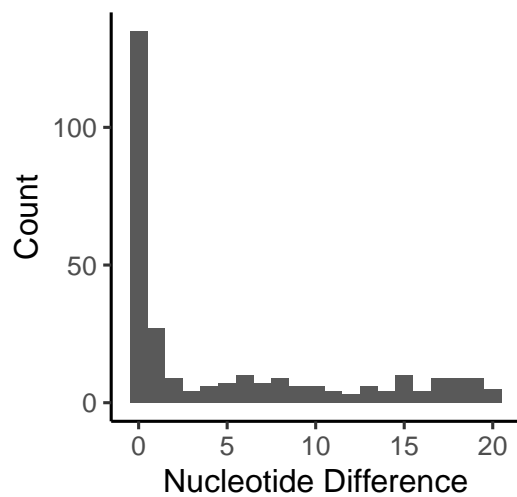
IGHV1–18*04

460 sequences assigned
153 (33.3%) exact matches, in which:
152 unique CDR3
5 unique J



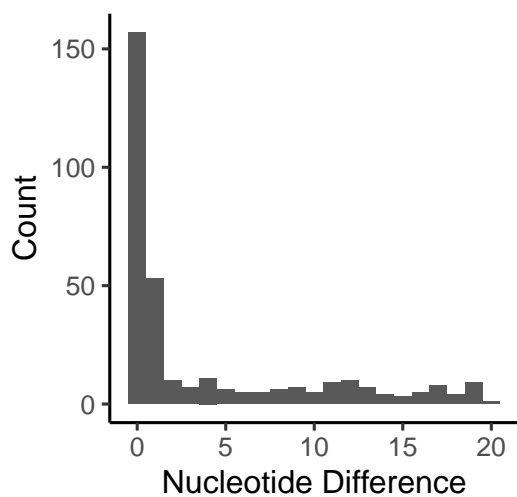
IGHV1–46*01

404 sequences assigned
135 (33.4%) exact matches, in which:
135 unique CDR3
6 unique J



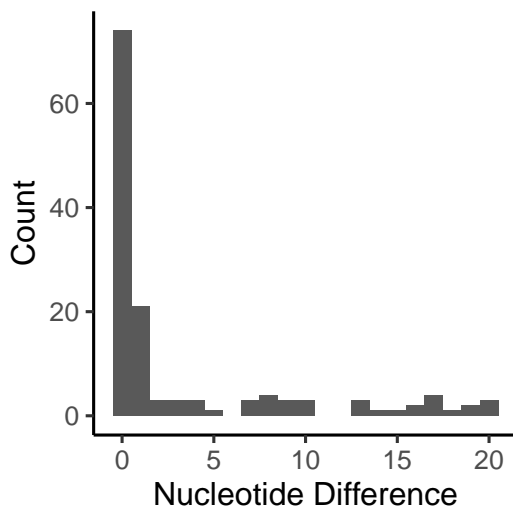
IGHV1–8*01

377 sequences assigned
157 (41.6%) exact matches, in which:
157 unique CDR3
6 unique J



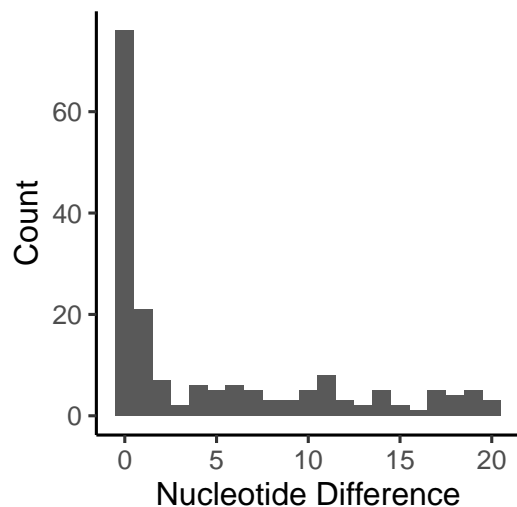
IGHV1–24*01

183 sequences assigned
74 (40.4%) exact matches, in which:
74 unique CDR3
6 unique J



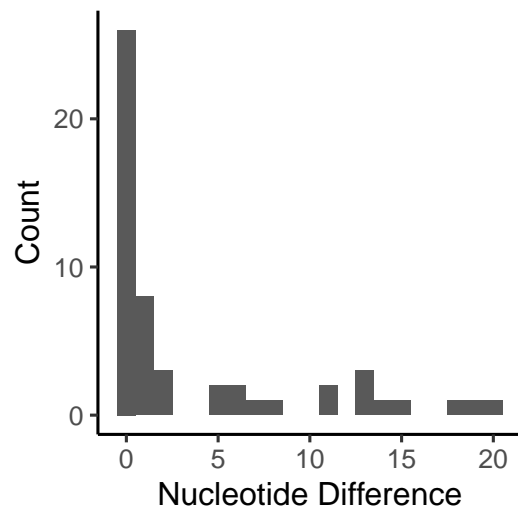
IGHV1–46*03

208 sequences assigned
76 (36.5%) exact matches, in which:
76 unique CDR3
6 unique J



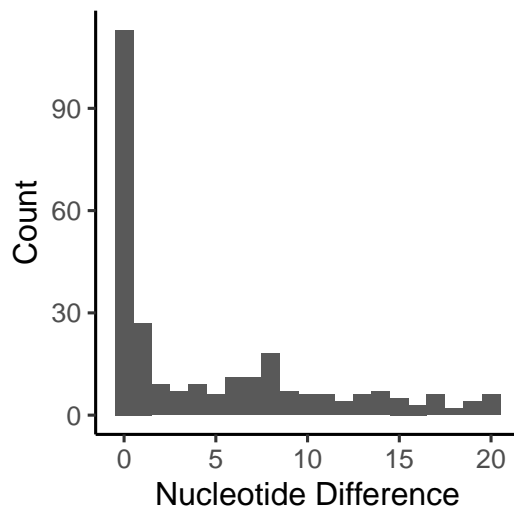
IGHV1–58*01

62 sequences assigned
26 (41.9%) exact matches, in which:
26 unique CDR3
6 unique J



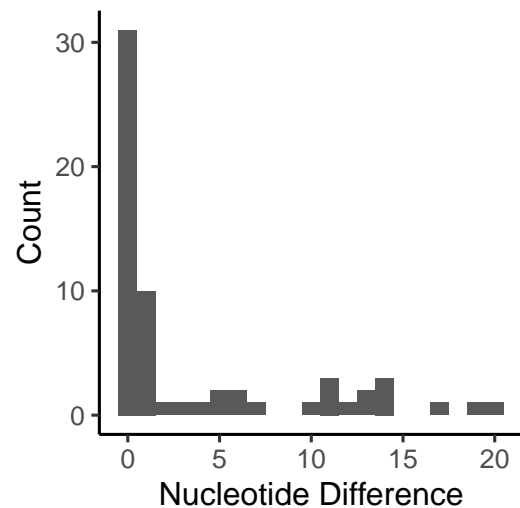
IGHV2–5*01

305 sequences assigned
113 (37%) exact matches, in which:
113 unique CDR3
6 unique J



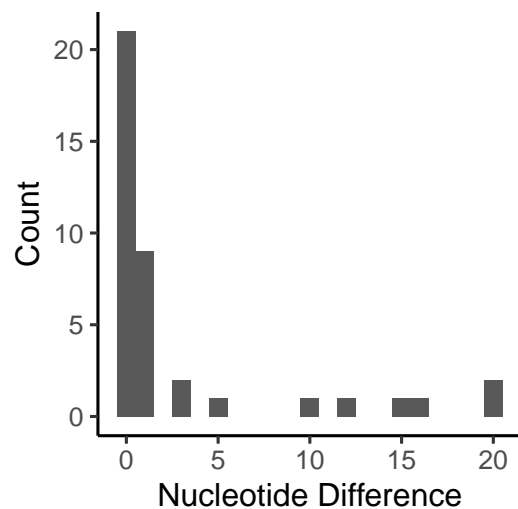
IGHV2–70*01

74 sequences assigned
31 (41.9%) exact matches, in which:
31 unique CDR3
5 unique J



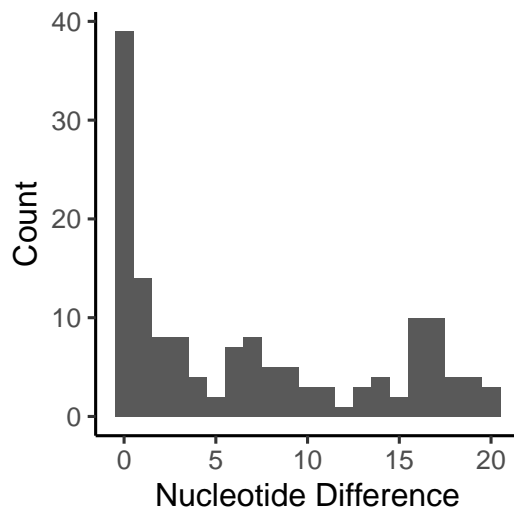
IGHV1–58*02

46 sequences assigned
21 (45.7%) exact matches, in which:
21 unique CDR3
5 unique J



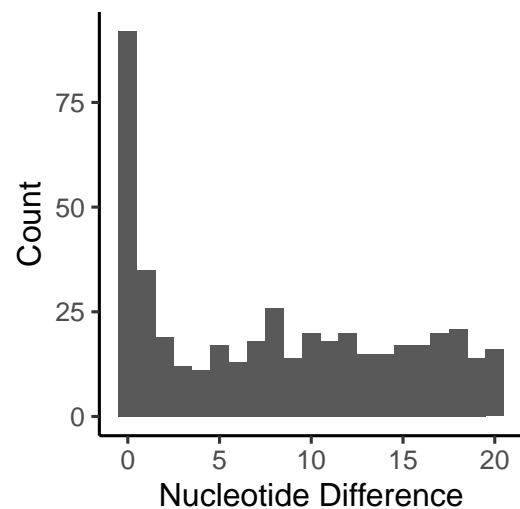
IGHV2–5*02

214 sequences assigned
39 (18.2%) exact matches, in which:
39 unique CDR3
5 unique J



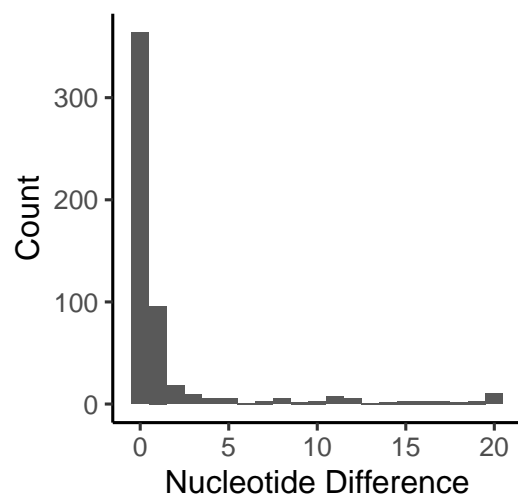
IGHV3–7*01

572 sequences assigned
92 (16.1%) exact matches, in which:
92 unique CDR3
6 unique J



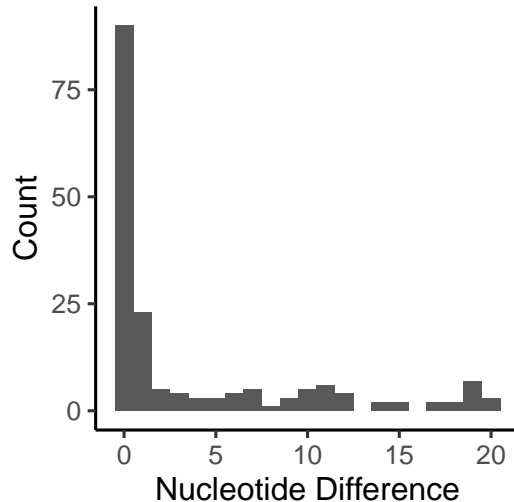
IGHV1–69*10

730 sequences assigned
364 (49.9%) exact matches, in which:
363 unique CDR3
6 unique J



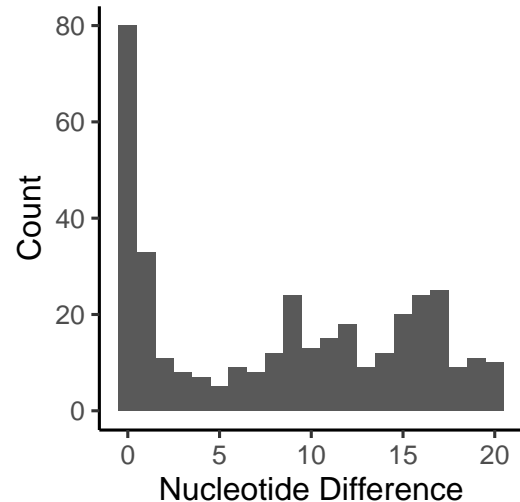
IGHV2–26*01

214 sequences assigned
90 (42.1%) exact matches, in which:
90 unique CDR3
5 unique J



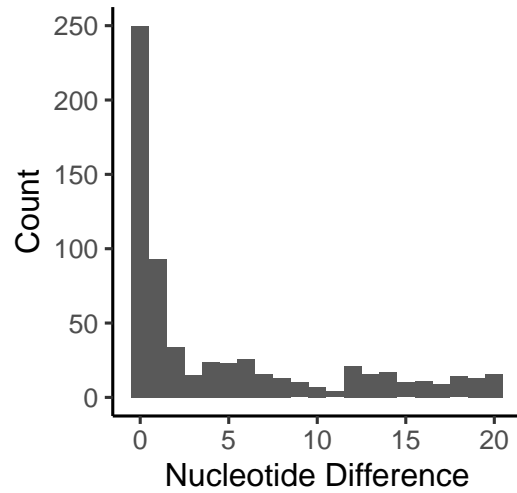
IGHV3–7*03

491 sequences assigned
80 (16.3%) exact matches, in which:
80 unique CDR3
5 unique J



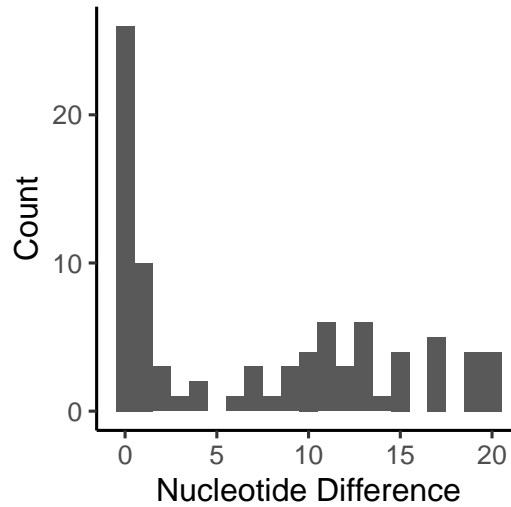
IGHV3-9*01

846 sequences assigned
250 (29.6%) exact matches, in which:
250 unique CDR3
6 unique J



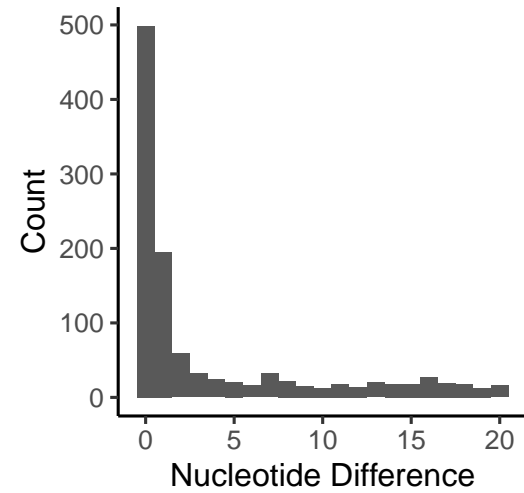
IGHV3-13*01

110 sequences assigned
26 (23.6%) exact matches, in which:
26 unique CDR3
5 unique J



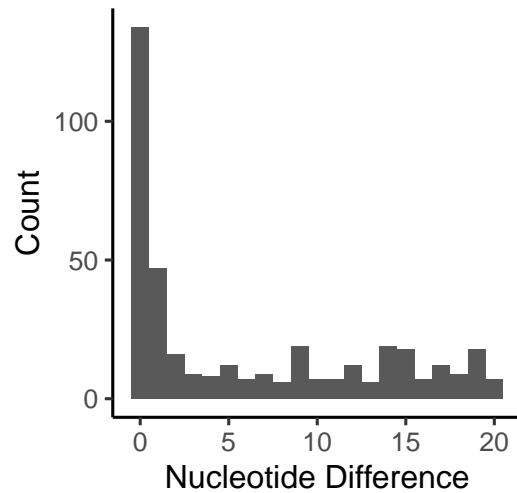
IGHV3-21*01

1427 sequences assigned
499 (35%) exact matches, in which:
499 unique CDR3
6 unique J



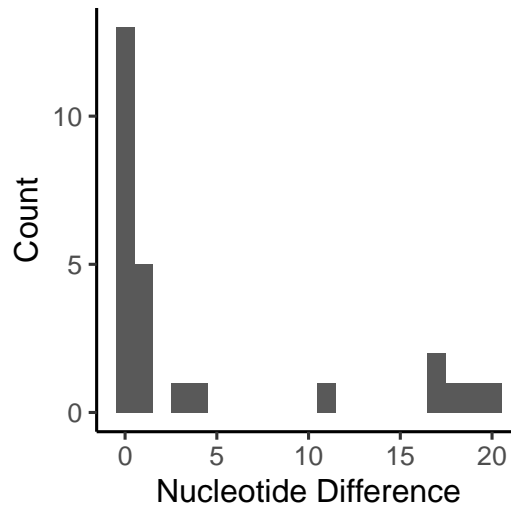
IGHV3-11*01

499 sequences assigned
134 (26.9%) exact matches, in which:
133 unique CDR3
6 unique J



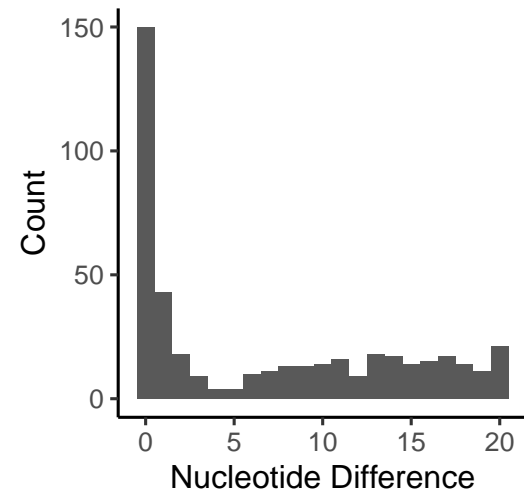
IGHV3-13*05

27 sequences assigned
13 (48.1%) exact matches, in which:
13 unique CDR3
4 unique J



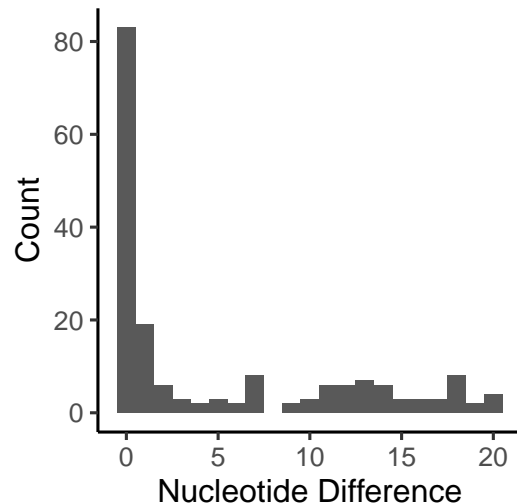
IGHV3-23*01_T158G

624 sequences assigned
150 (24%) exact matches, in which:
150 unique CDR3
6 unique J



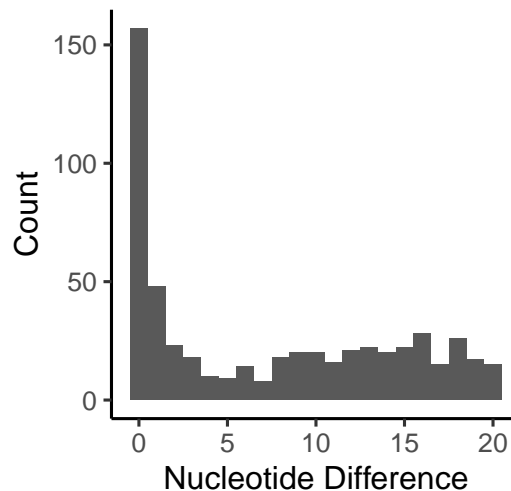
IGHV3-11*06

399 sequences assigned
83 (20.8%) exact matches, in which:
83 unique CDR3
6 unique J



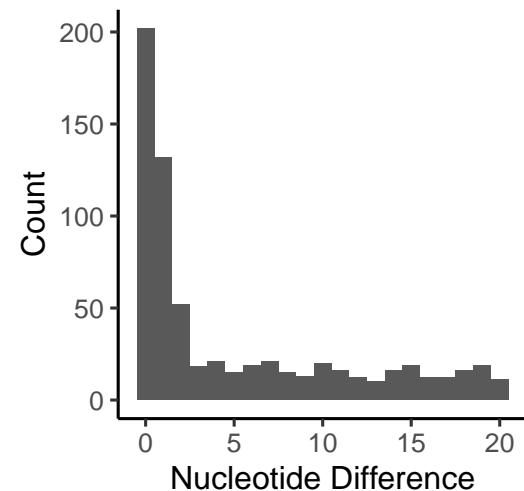
IGHV3-15*01

739 sequences assigned
157 (21.2%) exact matches, in which:
156 unique CDR3
6 unique J



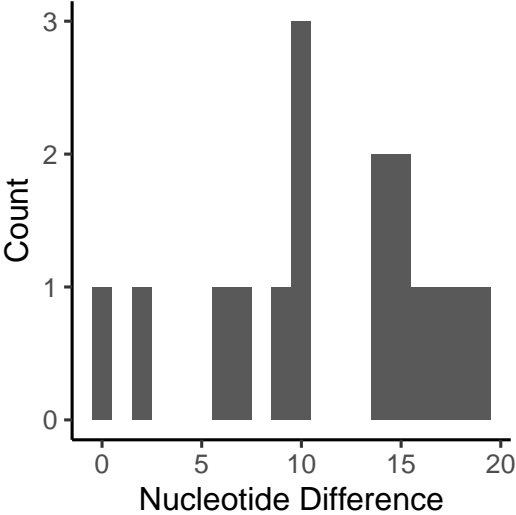
IGHV3-30*01

833 sequences assigned
202 (24.2%) exact matches, in which:
202 unique CDR3
6 unique J



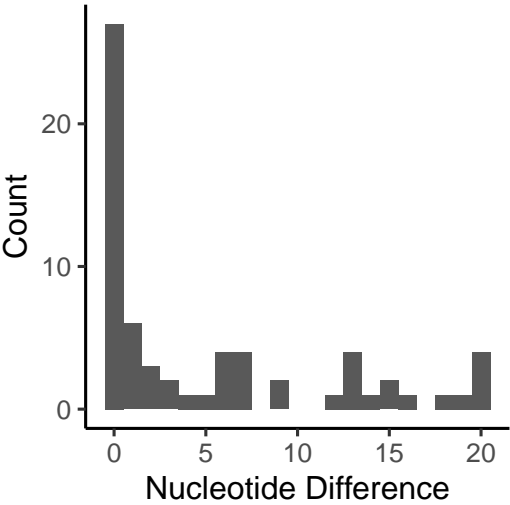
IGHV3-30-3*03

44 sequences assigned
1 (2.3%) exact matches, in which:
1 unique CDR3
1 unique J



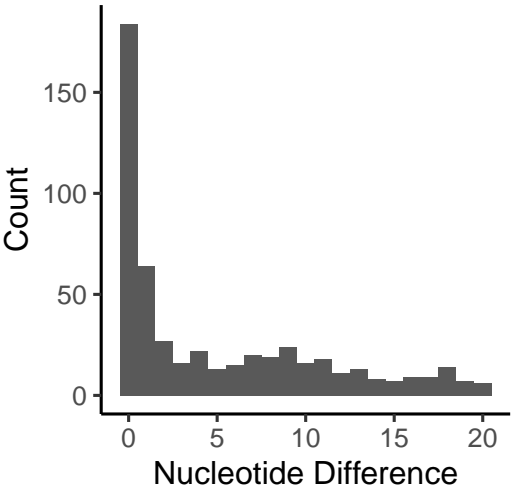
IGHV3-43*01

93 sequences assigned
27 (29%) exact matches, in which:
27 unique CDR3
3 unique J



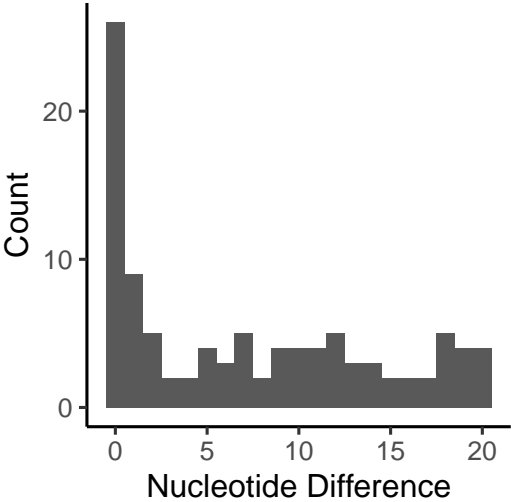
IGHV3-48*03

655 sequences assigned
184 (28.1%) exact matches, in which:
184 unique CDR3
6 unique J



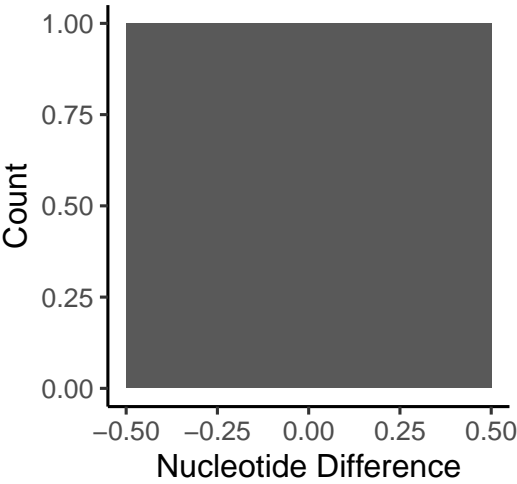
IGHV3-30*18_T158G

142 sequences assigned
26 (18.3%) exact matches, in which:
26 unique CDR3
6 unique J



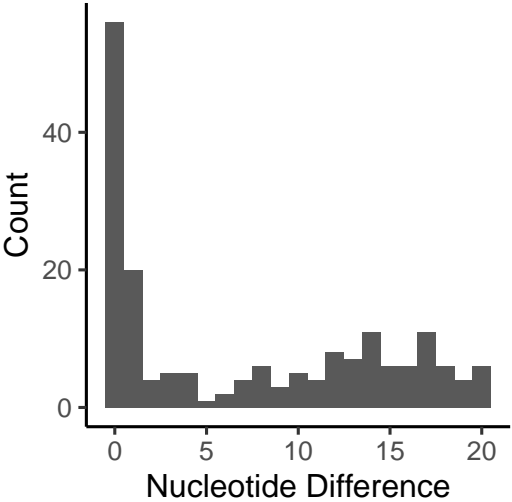
IGHV3-47*02

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



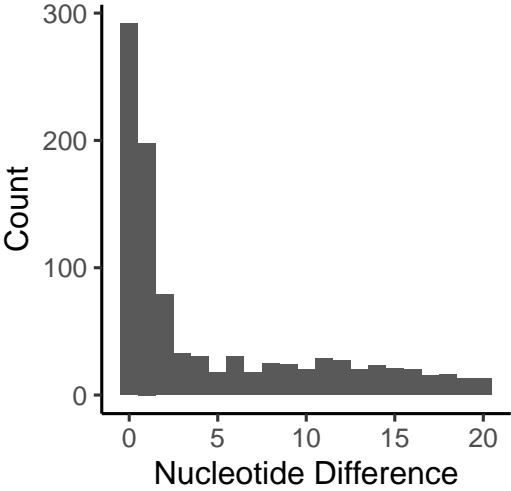
IGHV3-49*04

259 sequences assigned
56 (21.6%) exact matches, in which:
56 unique CDR3
6 unique J



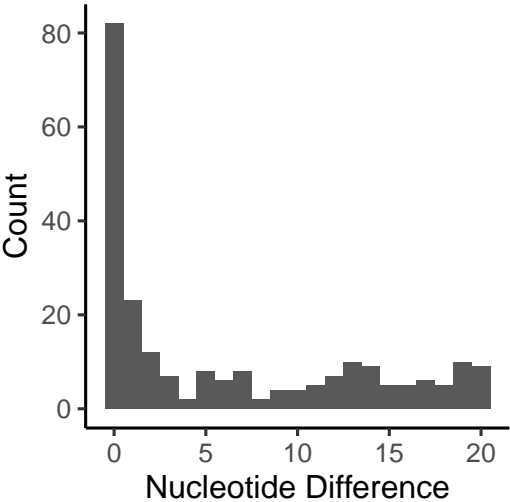
IGHV3-33*01

1156 sequences assigned
292 (25.3%) exact matches, in which:
292 unique CDR3
6 unique J



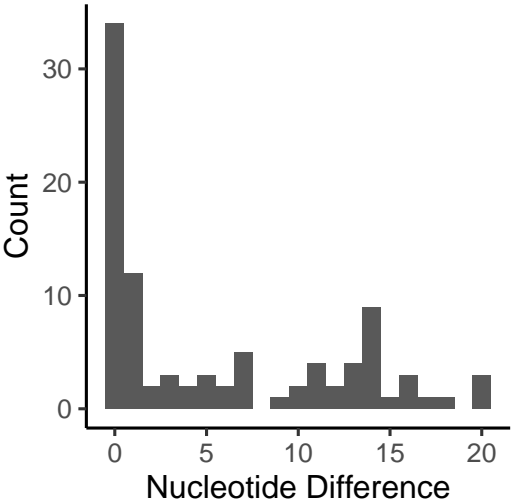
IGHV3-48*02

316 sequences assigned
82 (25.9%) exact matches, in which:
82 unique CDR3
5 unique J



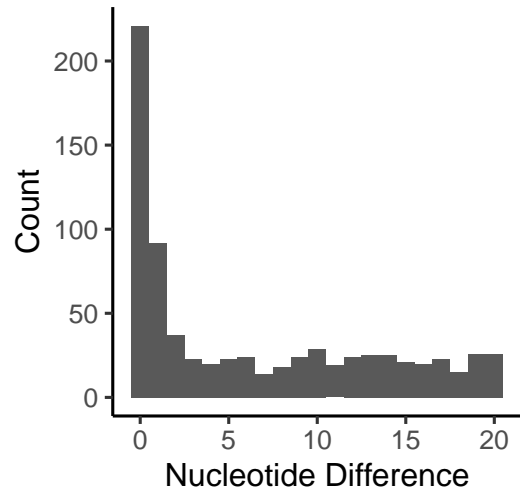
IGHV3-49*05

123 sequences assigned
34 (27.6%) exact matches, in which:
34 unique CDR3
5 unique J



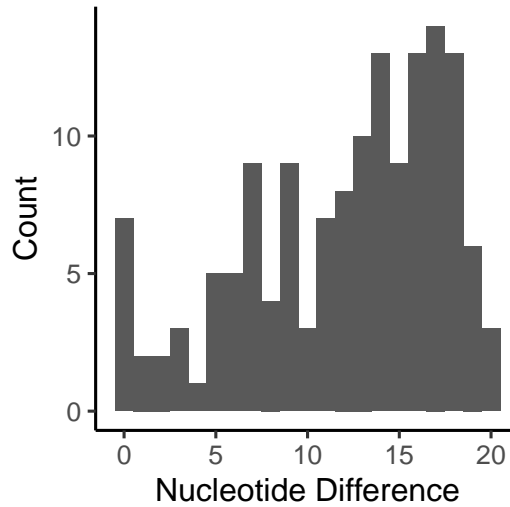
IGHV3-53*01

962 sequences assigned
221 (23%) exact matches, in which:
219 unique CDR3
6 unique J



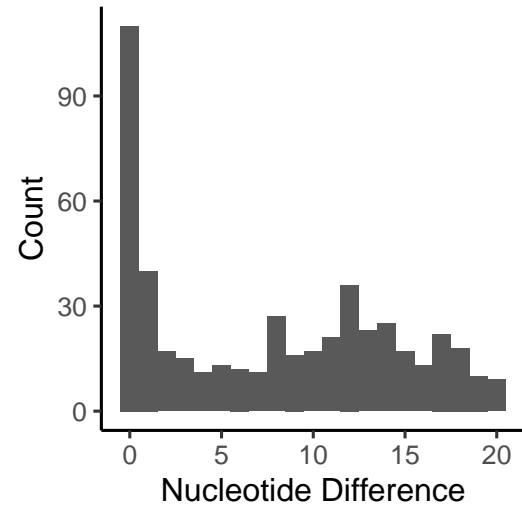
IGHV3-72*01

193 sequences assigned
7 (3.6%) exact matches, in which:
7 unique CDR3
4 unique J



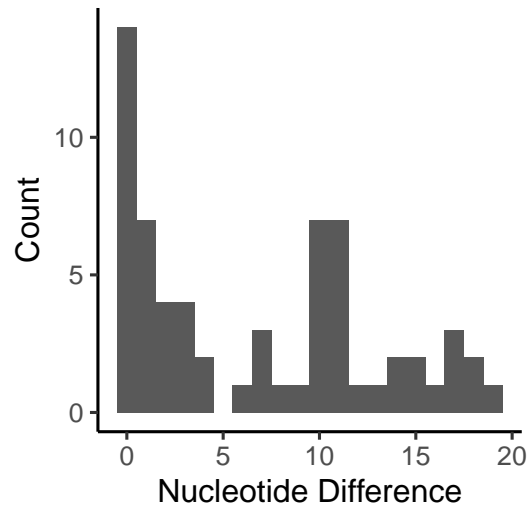
IGHV3-74*01

581 sequences assigned
110 (18.9%) exact matches, in which:
110 unique CDR3
5 unique J



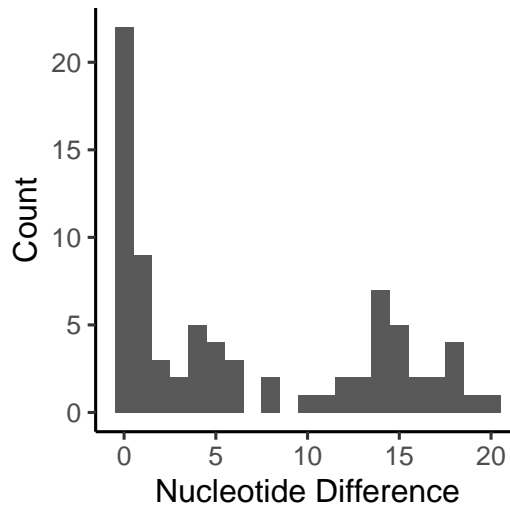
IGHV3-64*01

81 sequences assigned
14 (17.3%) exact matches, in which:
14 unique CDR3
3 unique J



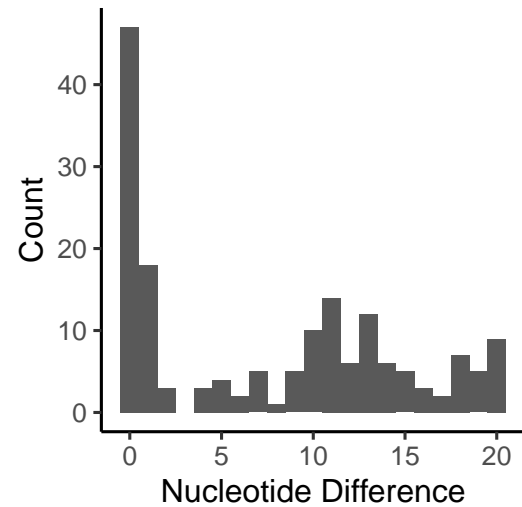
IGHV3-73*01

94 sequences assigned
22 (23.4%) exact matches, in which:
22 unique CDR3
5 unique J



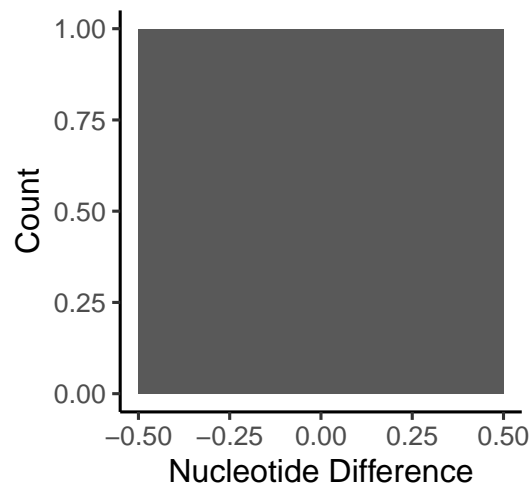
IGHV3-64D*06

277 sequences assigned
47 (17%) exact matches, in which:
47 unique CDR3
4 unique J



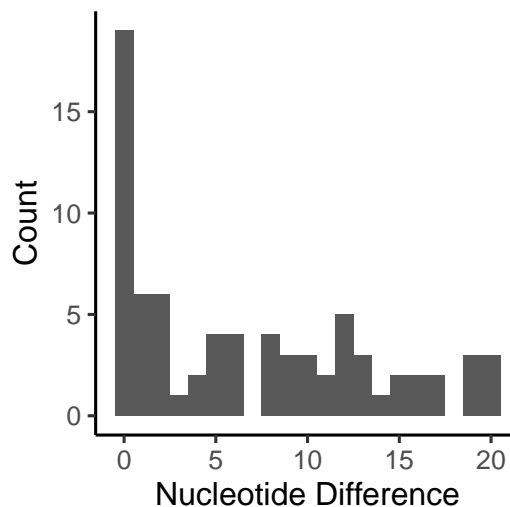
IGHV3-66*03

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



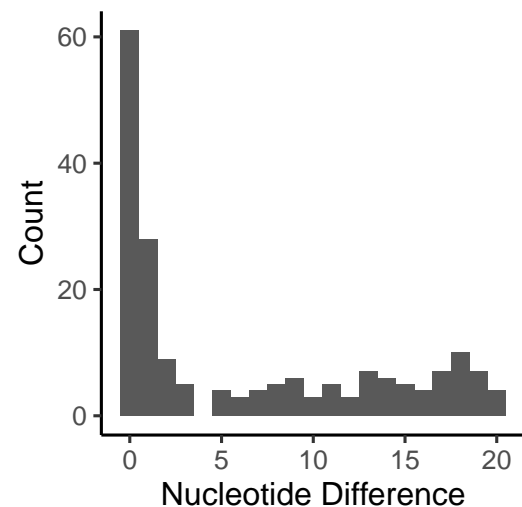
IGHV3-73*02

90 sequences assigned
19 (21.1%) exact matches, in which:
19 unique CDR3
3 unique J



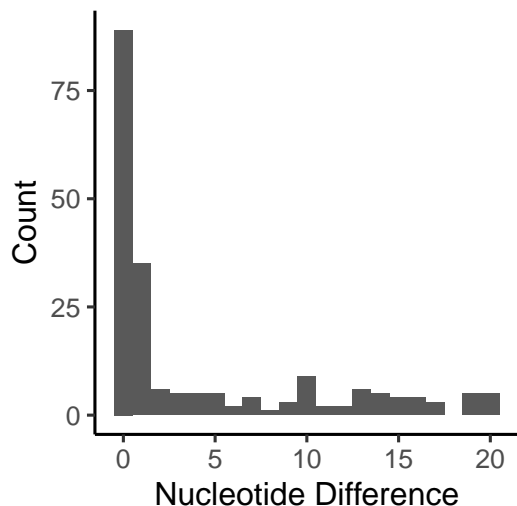
IGHV4-4*02

273 sequences assigned
61 (22.3%) exact matches, in which:
61 unique CDR3
5 unique J



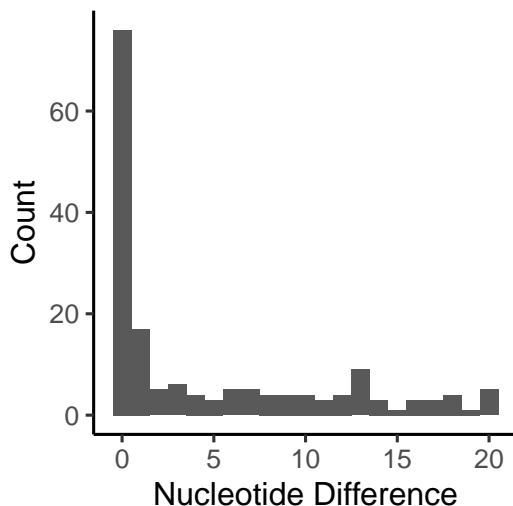
IGHV4-4*07

264 sequences assigned
89 (33.7%) exact matches, in which:
89 unique CDR3
6 unique J



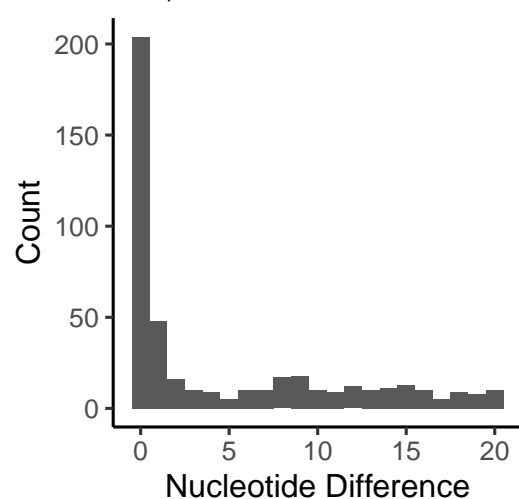
IGHV4-31*03

241 sequences assigned
76 (31.5%) exact matches, in which:
76 unique CDR3
5 unique J



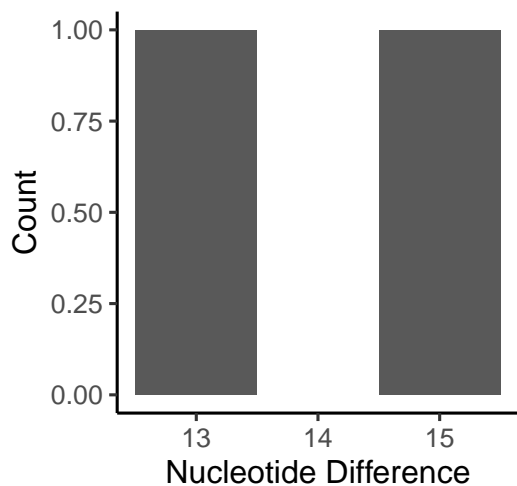
IGHV4-59*01

600 sequences assigned
204 (34%) exact matches, in which:
202 unique CDR3
6 unique J



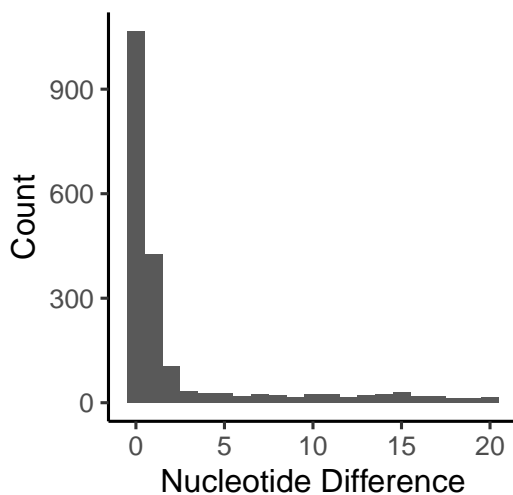
IGHV4-28*07

2 sequences assigned
No exact matches.



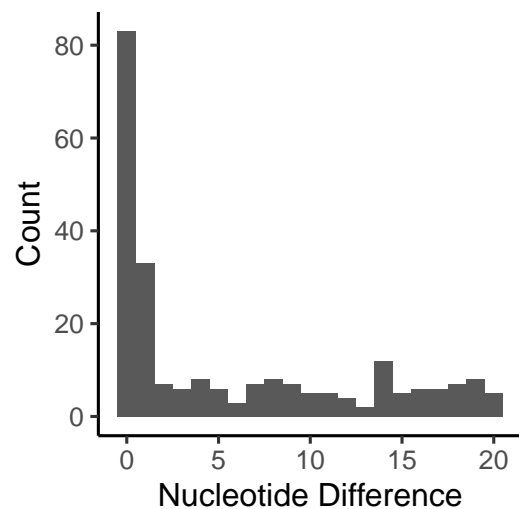
IGHV4-34*01

2286 sequences assigned
1067 (46.7%) exact matches, in which:
1065 unique CDR3
6 unique J



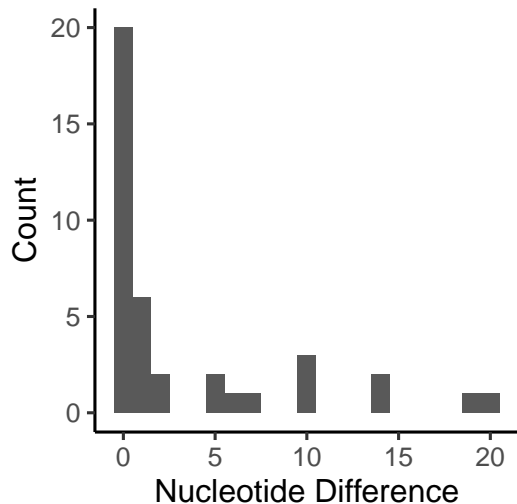
IGHV4-59*08

281 sequences assigned
83 (29.5%) exact matches, in which:
83 unique CDR3
6 unique J



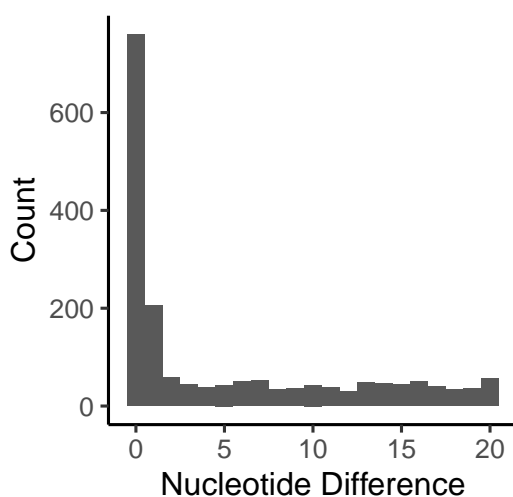
IGHV4-31*01

40 sequences assigned
20 (50%) exact matches, in which:
20 unique CDR3
6 unique J



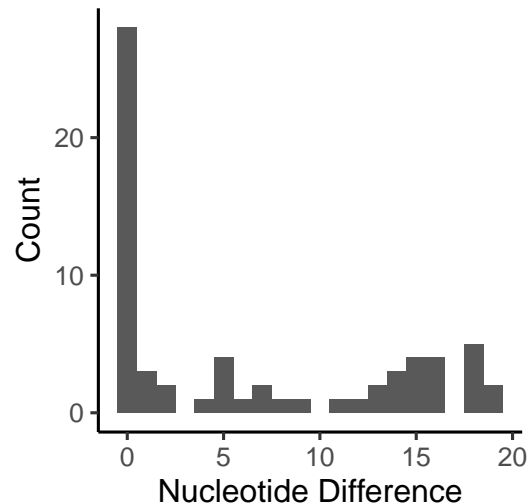
IGHV4-39*01

2326 sequences assigned
760 (32.7%) exact matches, in which:
759 unique CDR3
6 unique J



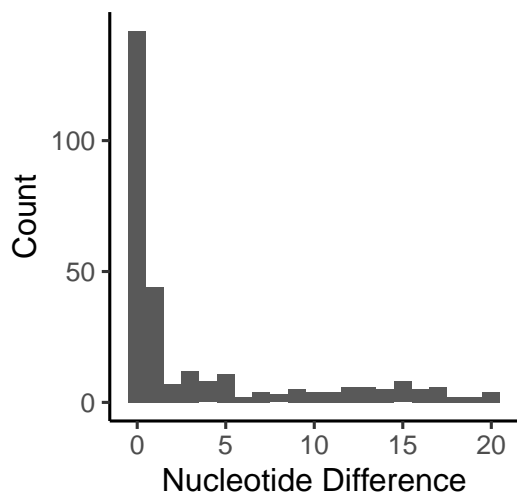
IGHV4-61*01

100 sequences assigned
28 (28%) exact matches, in which:
28 unique CDR3
5 unique J



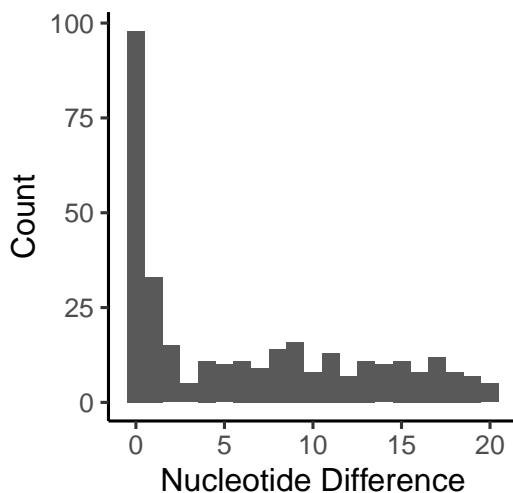
IGHV5-10-1*03

388 sequences assigned
142 (36.6%) exact matches, in which:
142 unique CDR3
4 unique J



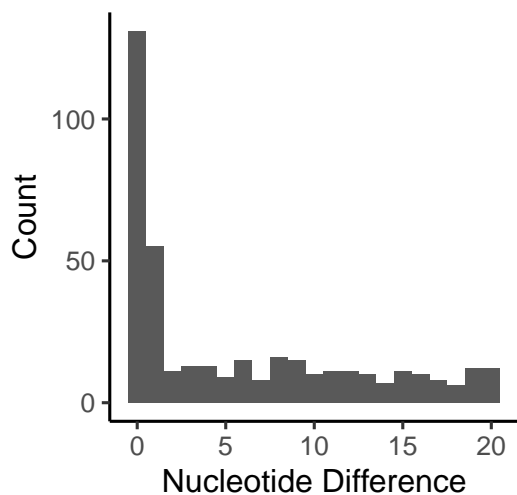
IGHV6-1*01

372 sequences assigned
98 (26.3%) exact matches, in which:
98 unique CDR3
5 unique J



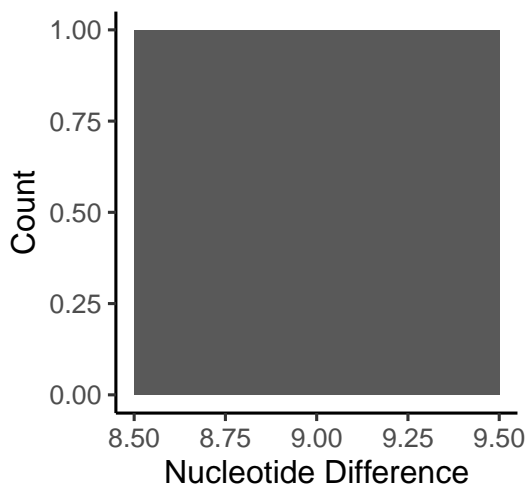
IGHV5-51*01

492 sequences assigned
131 (26.6%) exact matches, in which:
131 unique CDR3
6 unique J



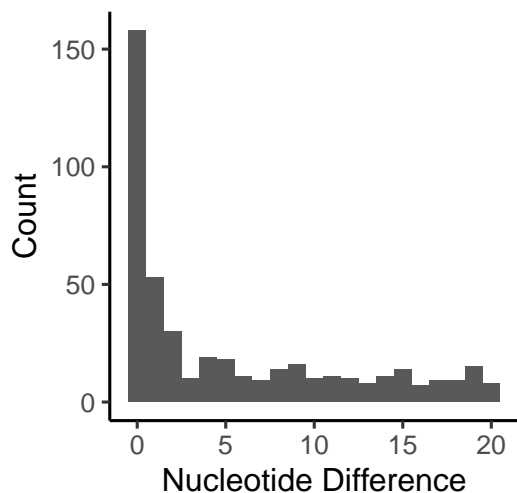
IGHV3/OR16-9*01

1 sequences assigned
No exact matches.



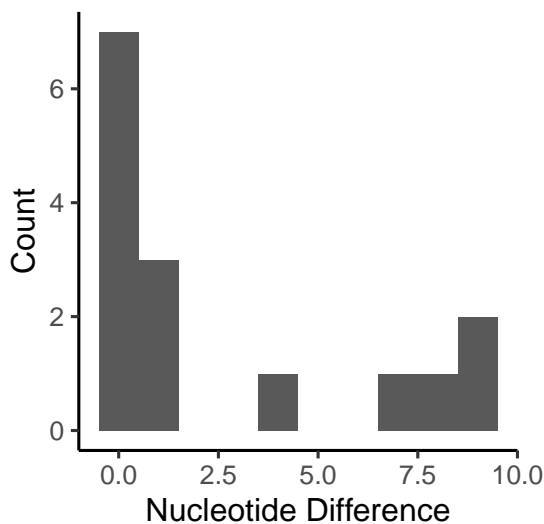
IGHV5-51*01_C45G

562 sequences assigned
158 (28.1%) exact matches, in which:
158 unique CDR3
6 unique J



IGHV7-4-1*01

25 sequences assigned
7 (28%) exact matches, in which:
7 unique CDR3
2 unique J





Warning – no inferred sequences found.