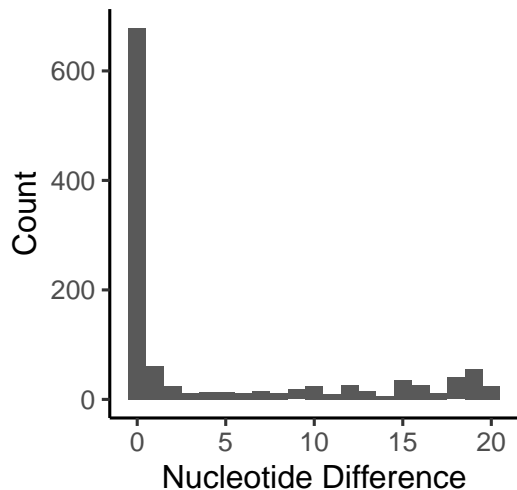


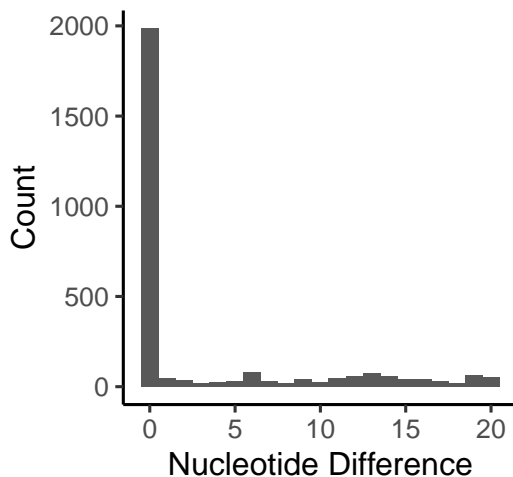
IGHV1-2*02

1373 sequences assigned
679 (49.5%) exact matches, in which:
668 unique CDR3
6 unique J



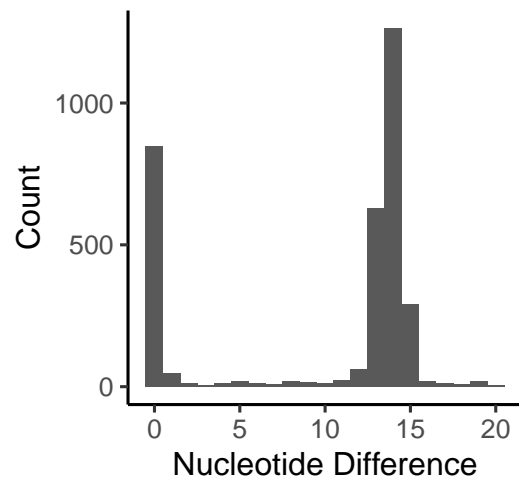
IGHV1-18*01

3269 sequences assigned
1986 (60.8%) exact matches, in which:
1948 unique CDR3
6 unique J



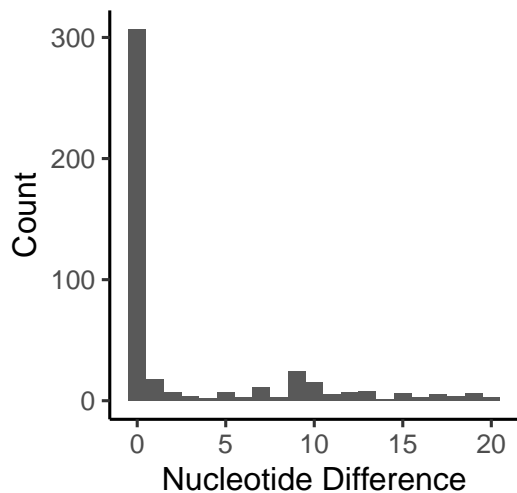
IGHV1-46*01

3589 sequences assigned
849 (23.7%) exact matches, in which:
841 unique CDR3
6 unique J



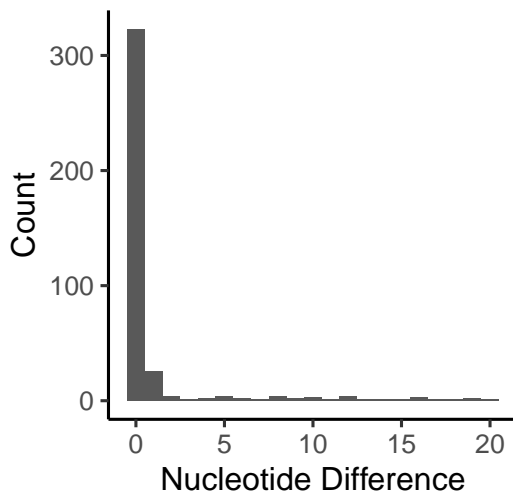
IGHV1-3*01_05

504 sequences assigned
307 (60.9%) exact matches, in which:
304 unique CDR3
6 unique J



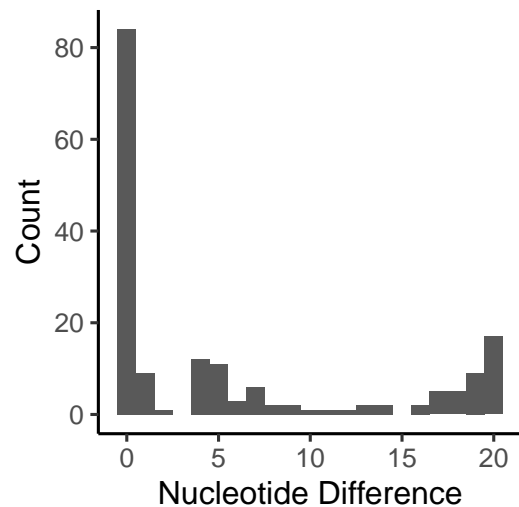
IGHV1-24*01

447 sequences assigned
323 (72.3%) exact matches, in which:
319 unique CDR3
6 unique J



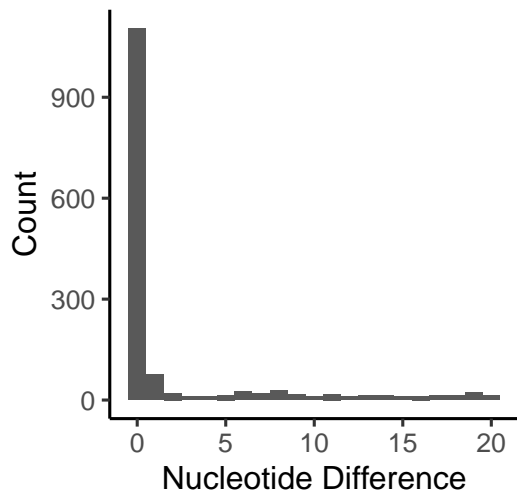
IGHV1-58*01_03

217 sequences assigned
84 (38.7%) exact matches, in which:
84 unique CDR3
5 unique J



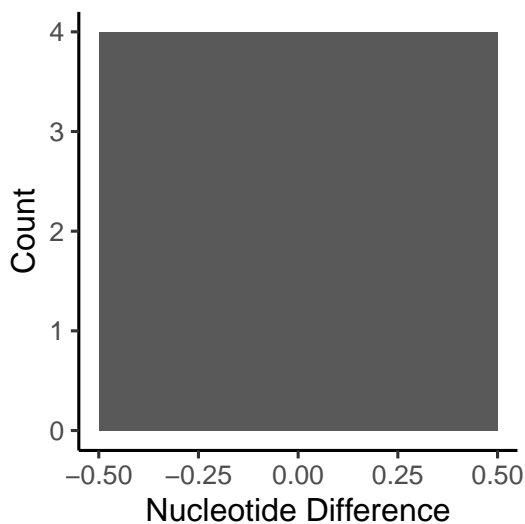
IGHV1-8*01

1625 sequences assigned
1105 (68%) exact matches, in which:
1091 unique CDR3
6 unique J



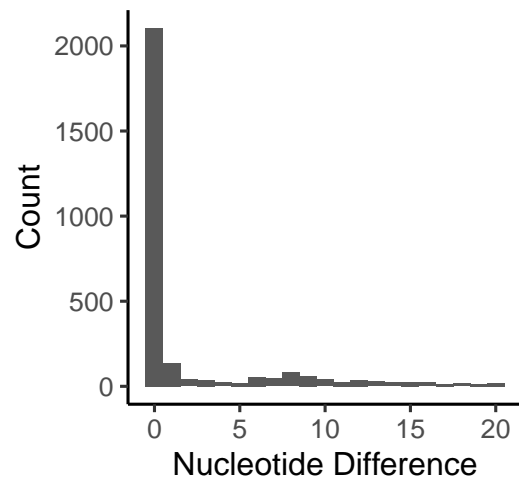
IGHV1-45*02

4 sequences assigned
4 (100%) exact matches, in which:
3 unique CDR3
3 unique J



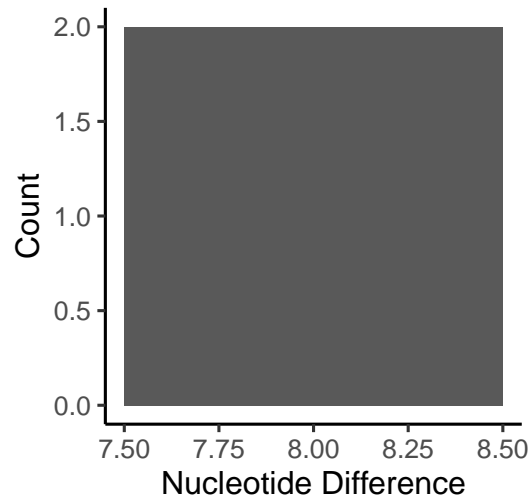
IGHV1-69*01_12_13

3058 sequences assigned
2105 (68.8%) exact matches, in which:
2080 unique CDR3
6 unique J



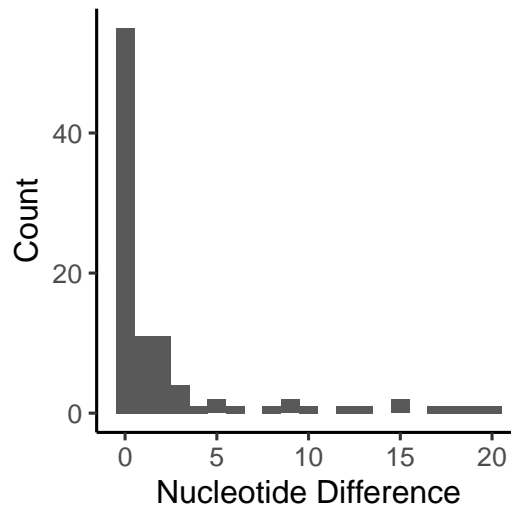
IGHV1–NL1*01

2 sequences assigned
No exact matches.



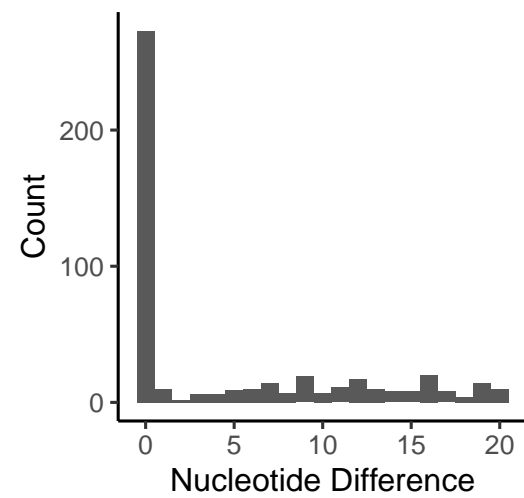
IGHV2–70*01

106 sequences assigned
55 (51.9%) exact matches, in which:
51 unique CDR3
5 unique J



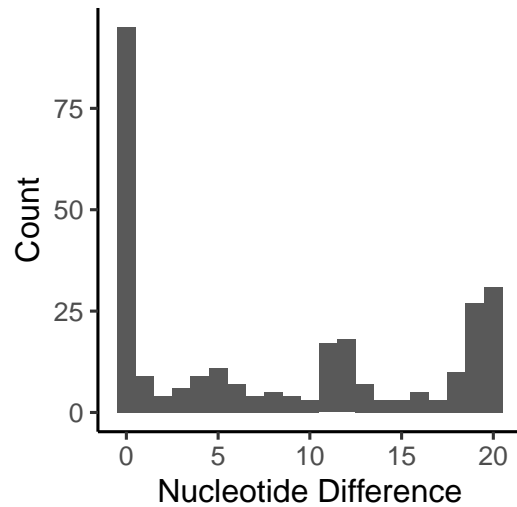
IGHV3–11*01

612 sequences assigned
273 (44.6%) exact matches, in which:
199 unique CDR3
6 unique J



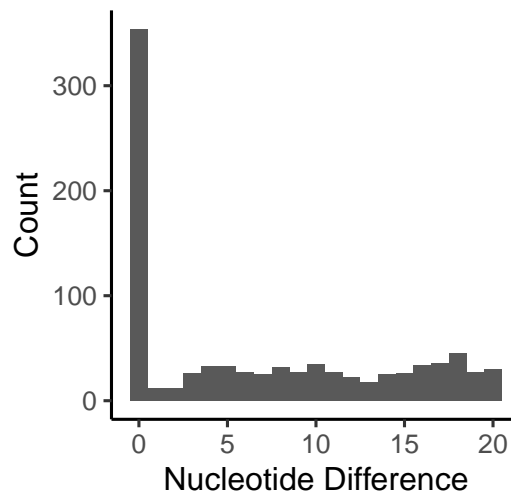
IGHV2–5*02

310 sequences assigned
95 (30.6%) exact matches, in which:
92 unique CDR3
6 unique J



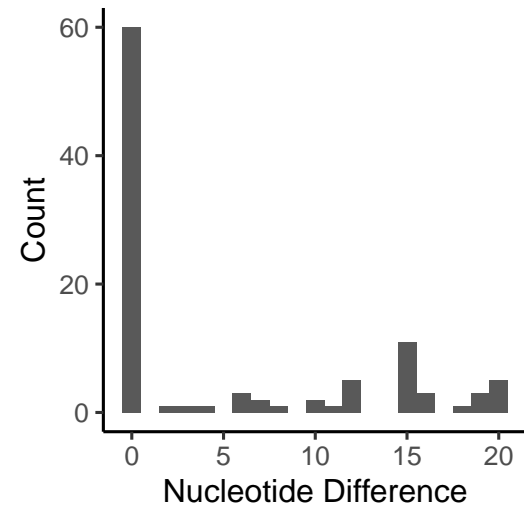
IGHV3–7*01

1086 sequences assigned
354 (32.6%) exact matches, in which:
269 unique CDR3
6 unique J



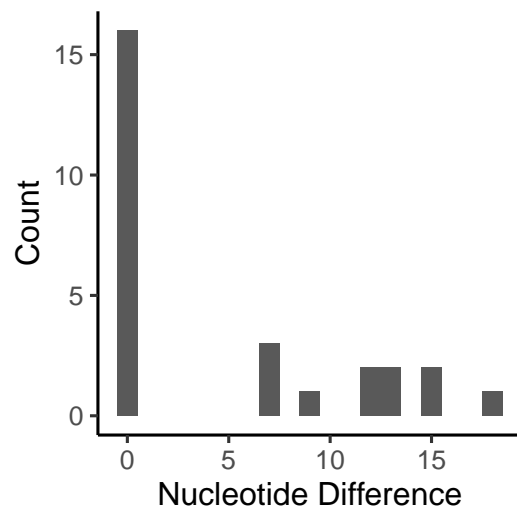
IGHV3–13*01

126 sequences assigned
60 (47.6%) exact matches, in which:
47 unique CDR3
5 unique J



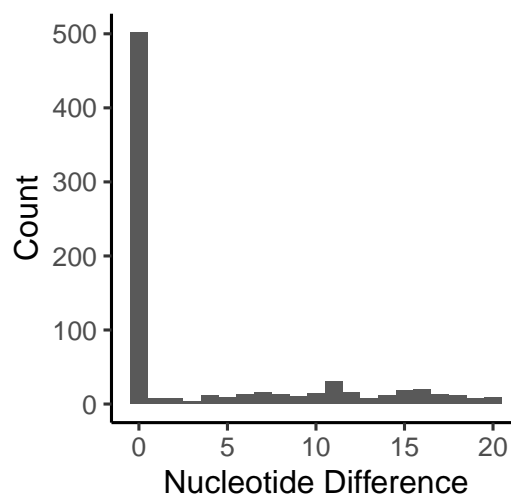
IGHV2–26*01

34 sequences assigned
16 (47.1%) exact matches, in which:
14 unique CDR3
4 unique J



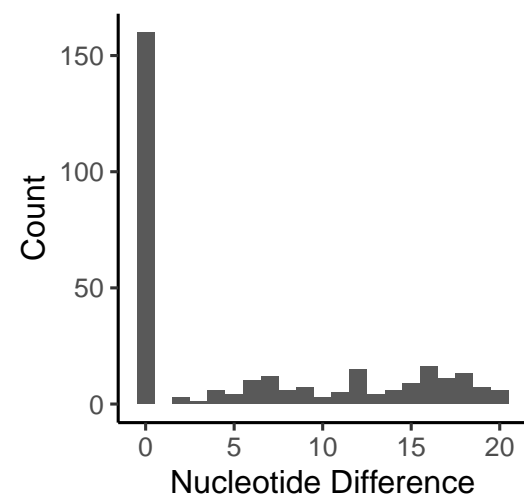
IGHV3–9*01

855 sequences assigned
502 (58.7%) exact matches, in which:
411 unique CDR3
6 unique J



IGHV3–15*01_02

413 sequences assigned
160 (38.7%) exact matches, in which:
121 unique CDR3
6 unique J



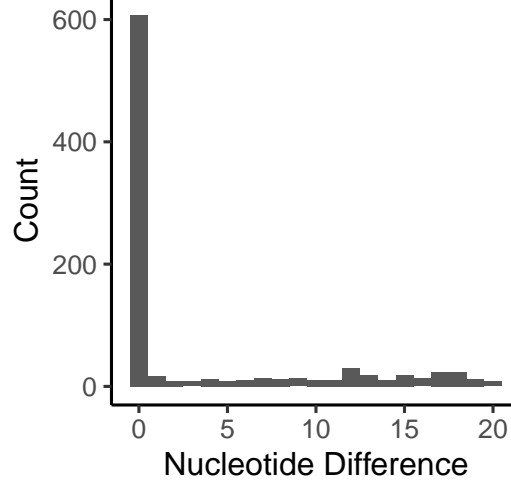
IGHV3-19*01

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



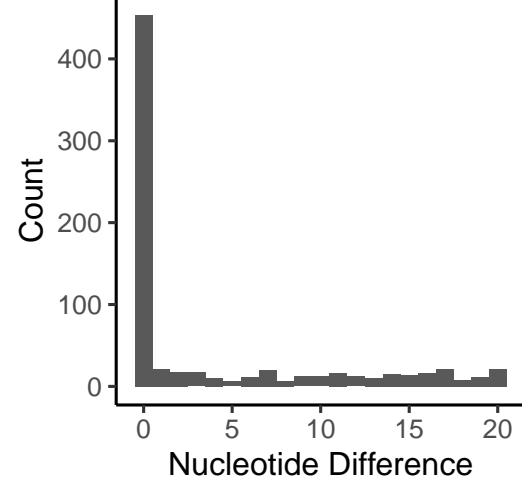
IGHV3-21*01_02

1079 sequences assigned
608 (56.3%) exact matches, in which:
459 unique CDR3
6 unique J



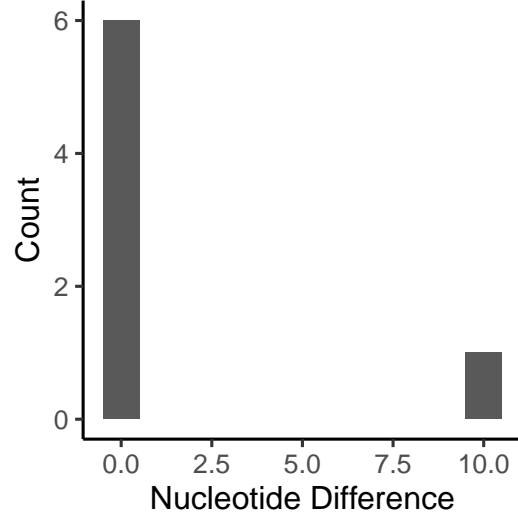
IGHV3-33*01

985 sequences assigned
454 (46.1%) exact matches, in which:
334 unique CDR3
5 unique J



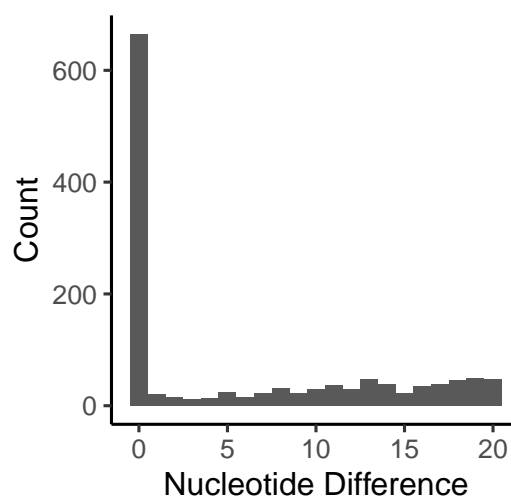
IGHV3-20*01_02

8 sequences assigned
6 (75%) exact matches, in which:
5 unique CDR3
3 unique J



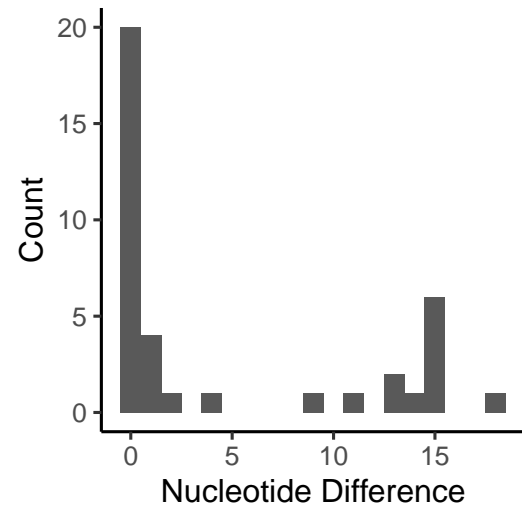
IGHV3-23*01_04

2571 sequences assigned
665 (25.9%) exact matches, in which:
527 unique CDR3
6 unique J



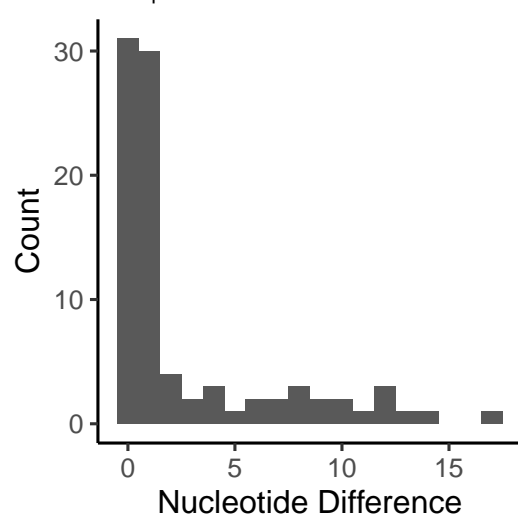
IGHV3-43*01

55 sequences assigned
20 (36.4%) exact matches, in which:
15 unique CDR3
2 unique J



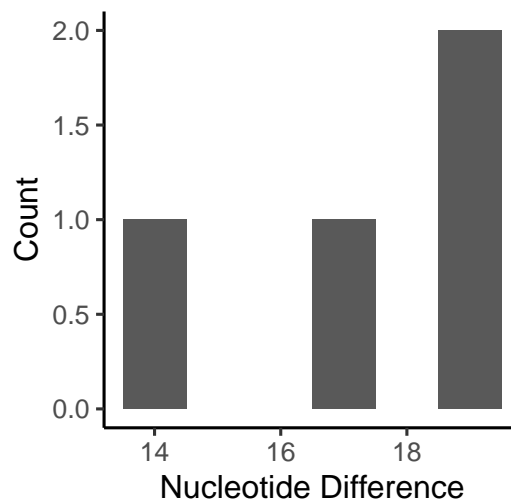
IGHV3-20*03_04_A104G

143 sequences assigned
31 (21.7%) exact matches, in which:
22 unique CDR3
5 unique J



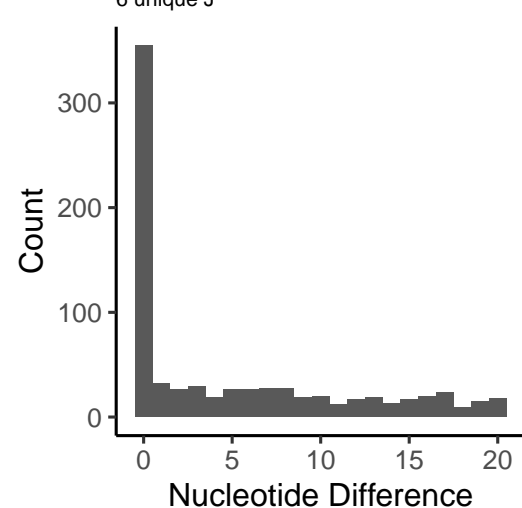
IGHV3-30-3*03

16 sequences assigned
No exact matches.



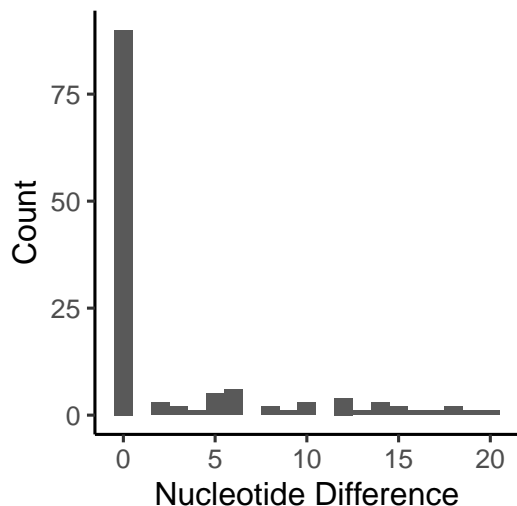
IGHV3-48*02

985 sequences assigned
355 (36%) exact matches, in which:
256 unique CDR3
6 unique J



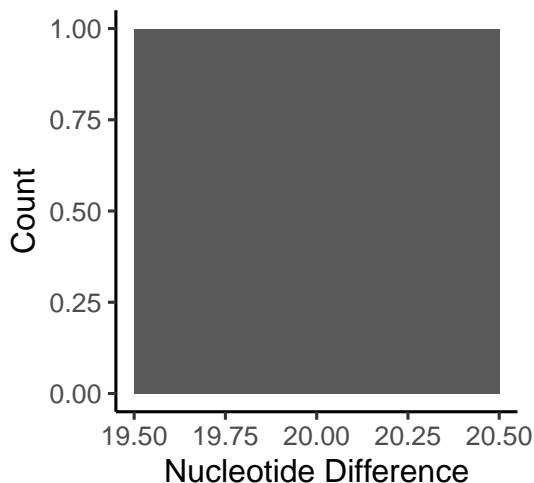
IGHV3-49*03_05

171 sequences assigned
90 (52.6%) exact matches, in which:
63 unique CDR3
4 unique J



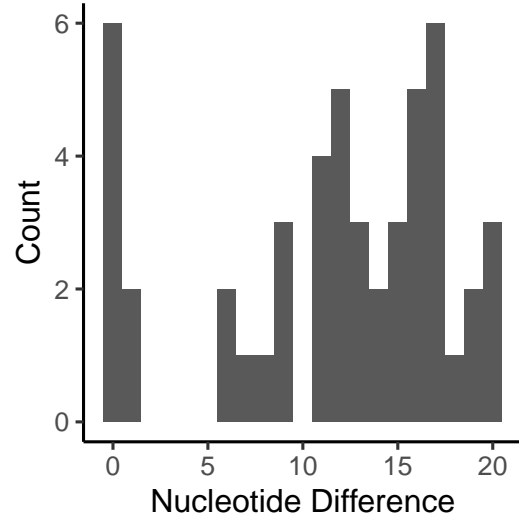
IGHV3-66*02

7 sequences assigned
No exact matches.



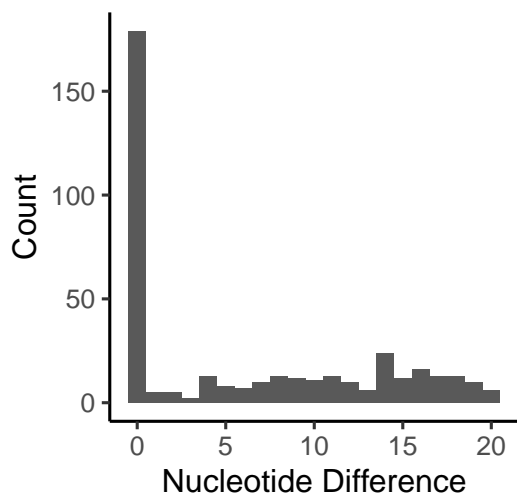
IGHV3-72*01

67 sequences assigned
6 (9%) exact matches, in which:
4 unique CDR3
3 unique J



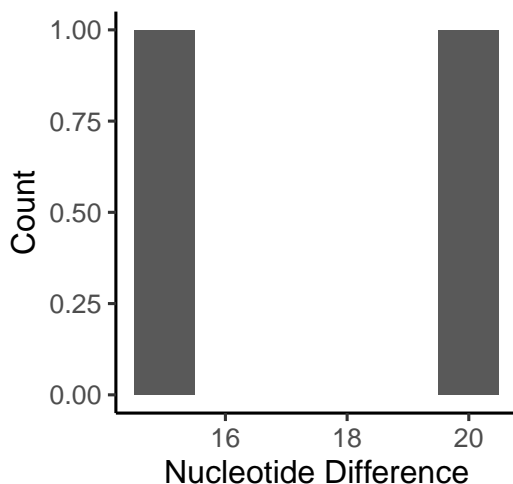
IGHV3-53*01_02

566 sequences assigned
179 (31.6%) exact matches, in which:
137 unique CDR3
6 unique J



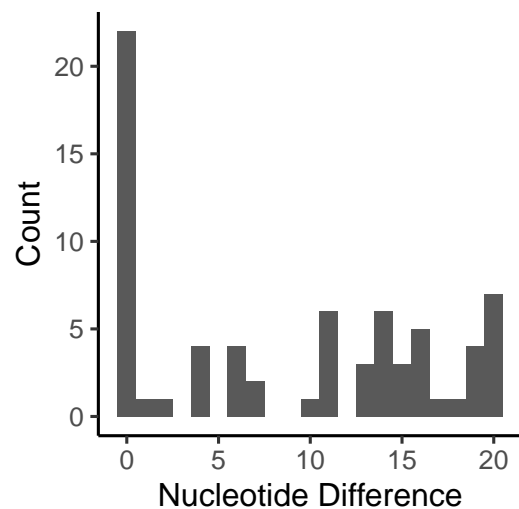
IGHV3-69-1*01

7 sequences assigned
No exact matches.



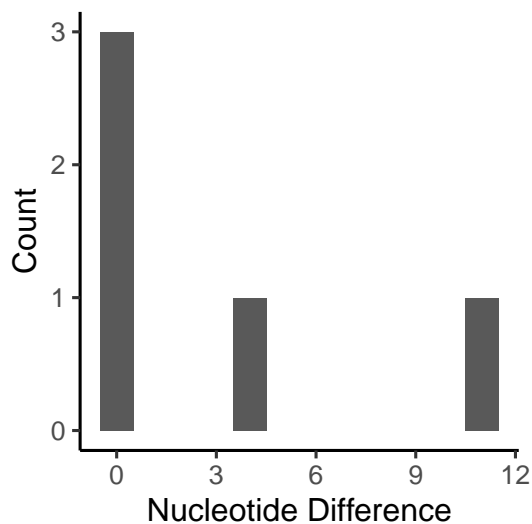
IGHV3-73*01_02

111 sequences assigned
22 (19.8%) exact matches, in which:
18 unique CDR3
4 unique J



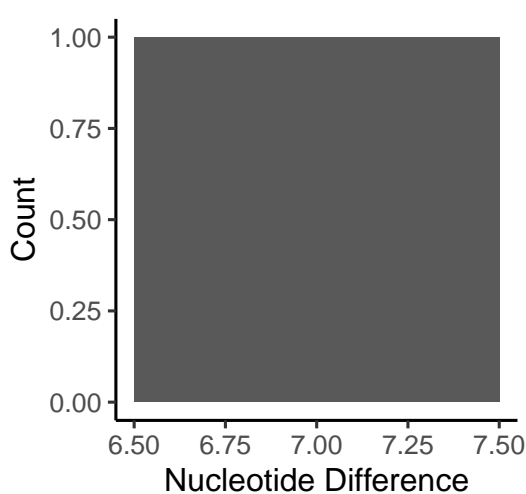
IGHV3-64*02_07

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



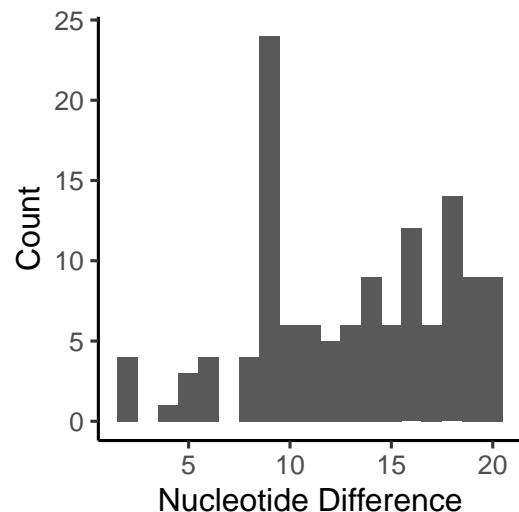
IGHV3-69-1*02

11 sequences assigned
No exact matches.



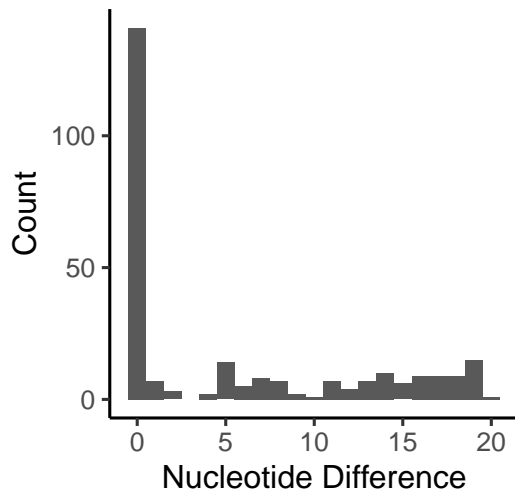
IGHV3-74*03

203 sequences assigned
No exact matches.



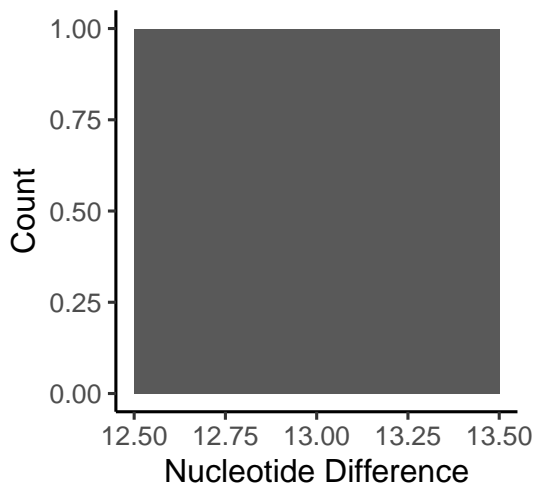
IGHV3–74*01_02

342 sequences assigned
141 (41.2%) exact matches, in which:
98 unique CDR3
5 unique J



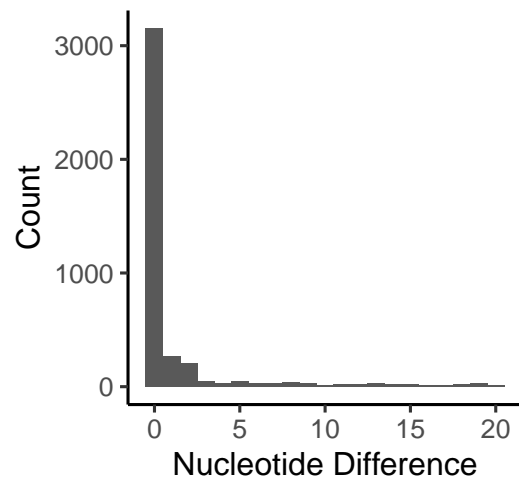
IGHV4–30–2*01

1 sequences assigned
No exact matches.



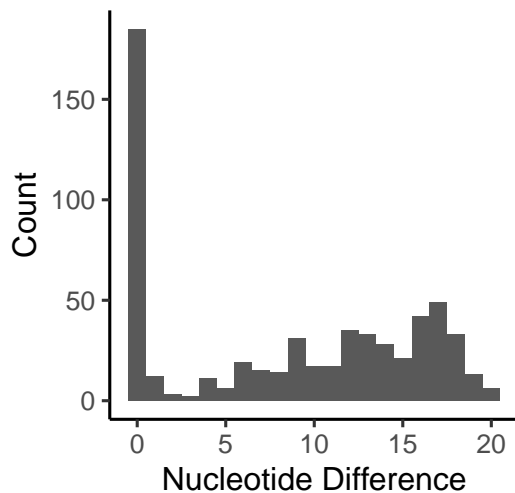
IGHV4–34*01_02

4277 sequences assigned
3152 (73.7%) exact matches, in which:
3073 unique CDR3
6 unique J



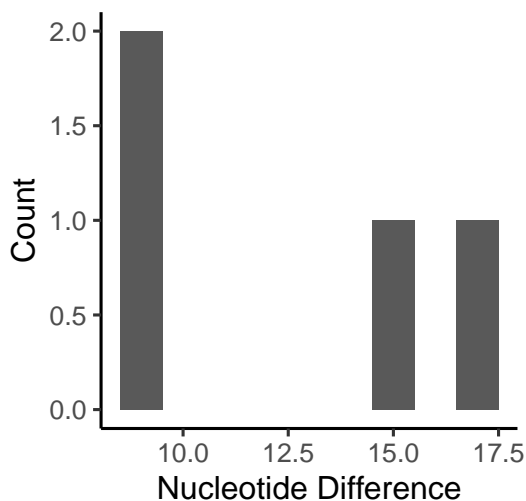
IGHV4–4*07

696 sequences assigned
185 (26.6%) exact matches, in which:
181 unique CDR3
6 unique J



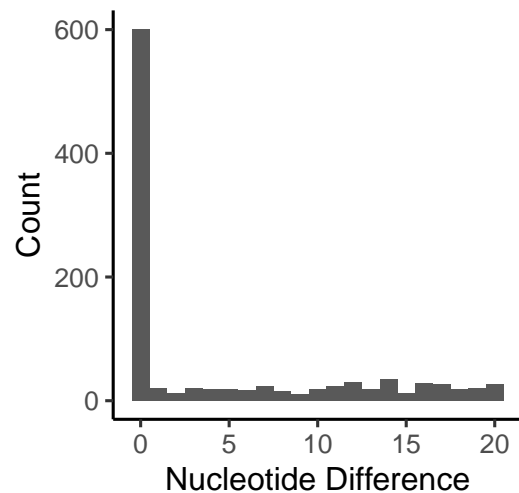
IGHV4–30–2*03

4 sequences assigned
No exact matches.



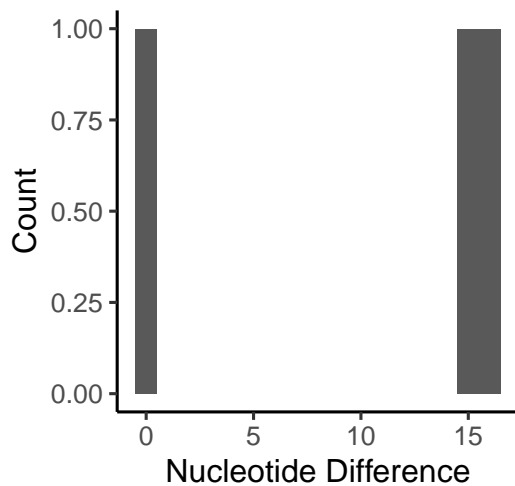
IGHV4–39*02_C258G

1315 sequences assigned
601 (45.7%) exact matches, in which:
578 unique CDR3
6 unique J



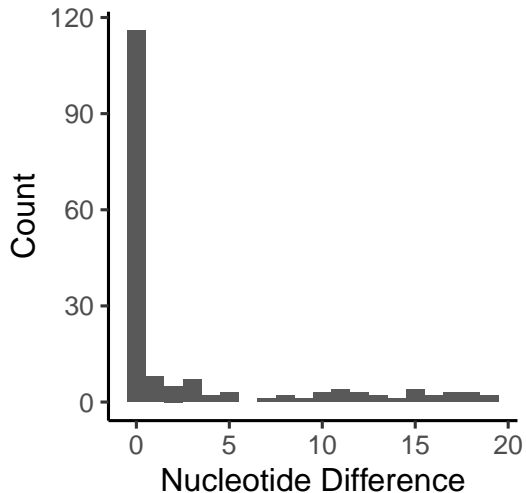
IGHV4–28*01_07

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



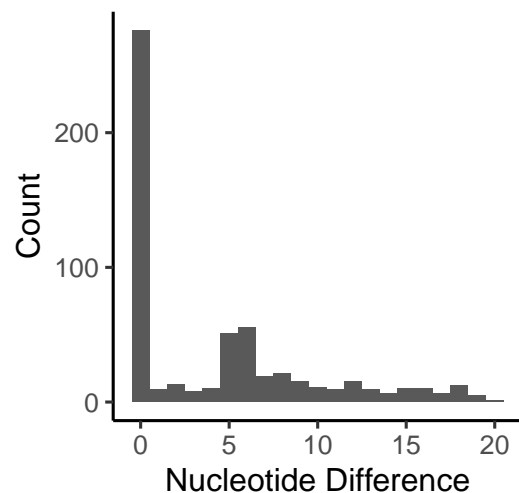
IGHV4–31*02

239 sequences assigned
116 (48.5%) exact matches, in which:
111 unique CDR3
6 unique J



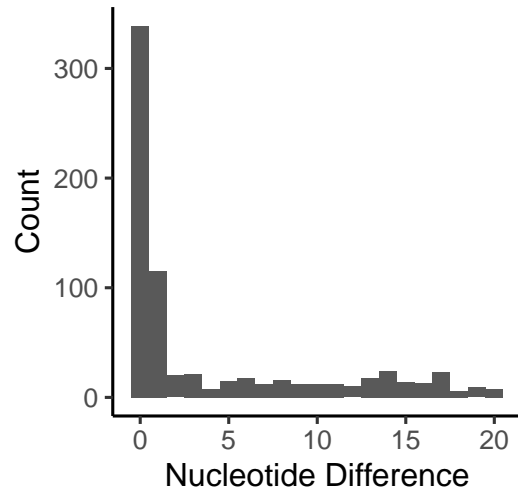
IGHV4–59*01_07

668 sequences assigned
276 (41.3%) exact matches, in which:
273 unique CDR3
6 unique J



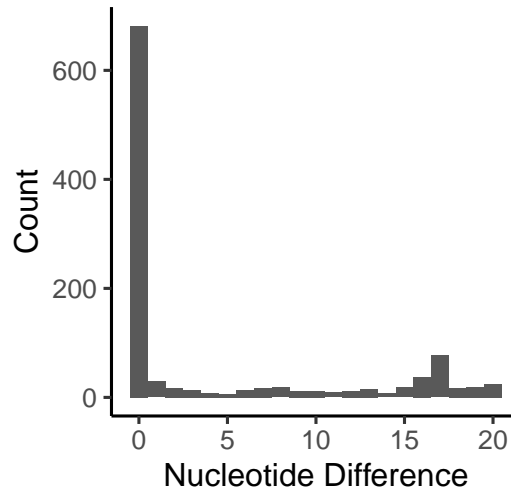
IGHV4–59*13

1008 sequences assigned
339 (33.6%) exact matches, in which:
336 unique CDR3
5 unique J



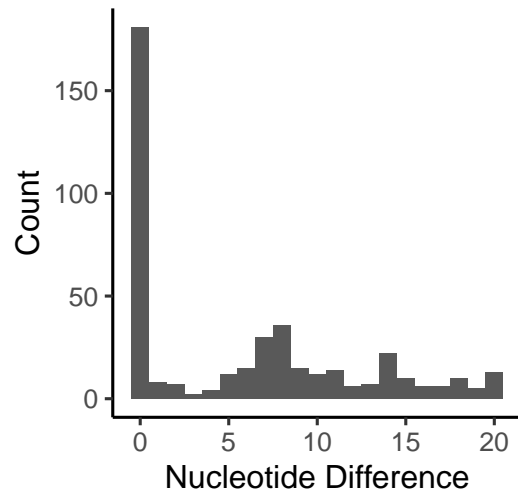
IGHV5–51*07_A128G

1180 sequences assigned
682 (57.8%) exact matches, in which:
655 unique CDR3
6 unique J



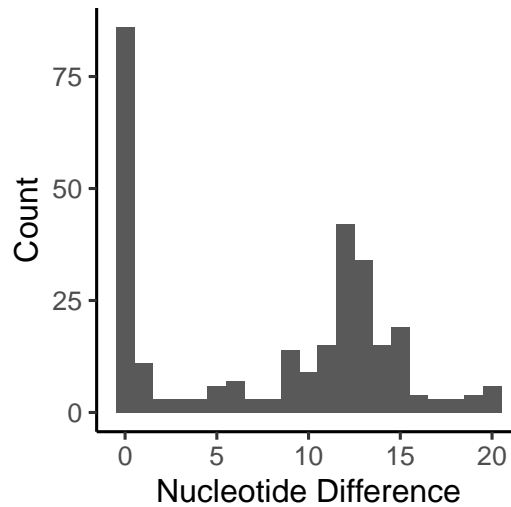
IGHV4–61*01

538 sequences assigned
181 (33.6%) exact matches, in which:
180 unique CDR3
6 unique J



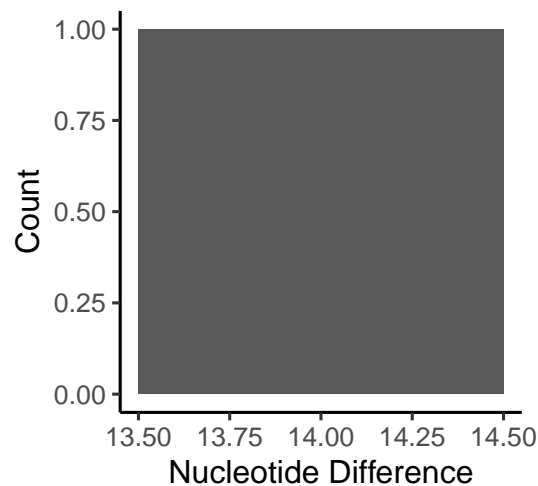
IGHV6–1*01_02

326 sequences assigned
86 (26.4%) exact matches, in which:
85 unique CDR3
5 unique J



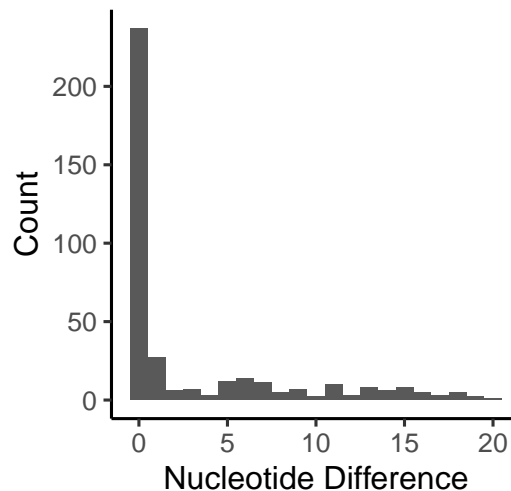
IGHV1/OR15–1*04

2 sequences assigned
No exact matches.



IGHV7–4–1*02

436 sequences assigned
237 (54.4%) exact matches, in which:
233 unique CDR3
6 unique J





Warning – no inferred sequences found.