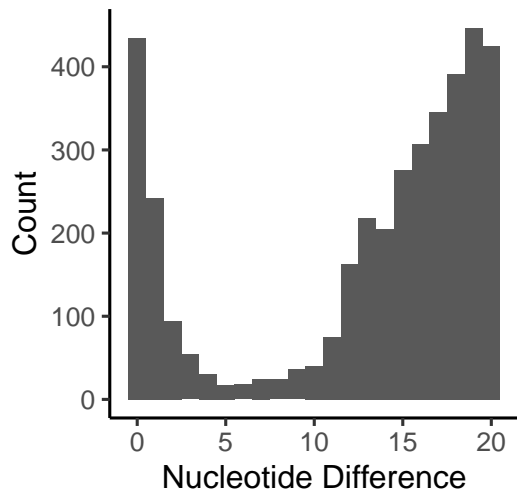


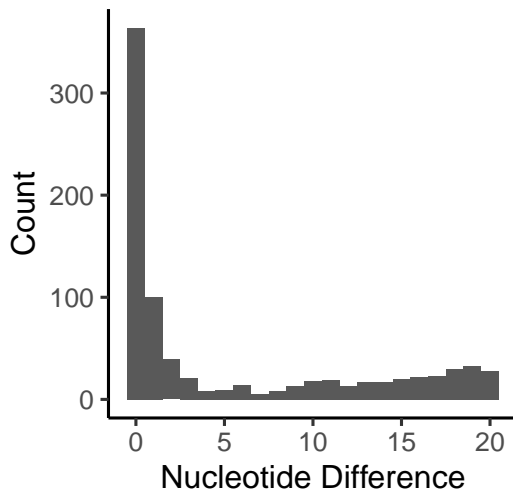
IGHV1-2*02

8787 sequences assigned
435 (5%) exact matches, in which:
427 unique CDR3
6 unique J



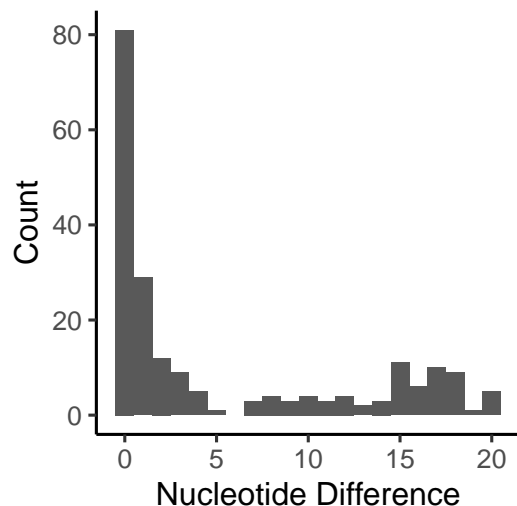
IGHV1-18*01

1411 sequences assigned
364 (25.8%) exact matches, in which:
360 unique CDR3
6 unique J



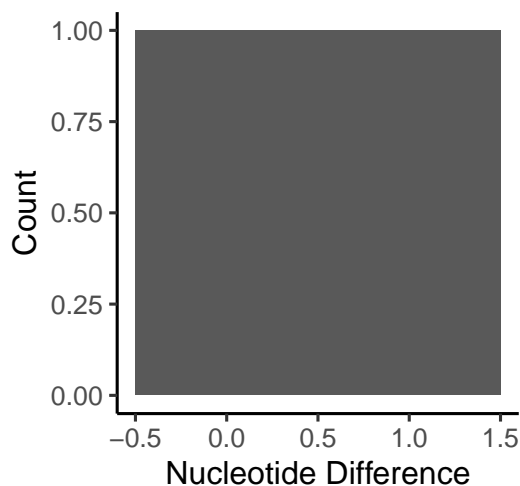
IGHV1-46*01

434 sequences assigned
81 (18.7%) exact matches, in which:
80 unique CDR3
6 unique J



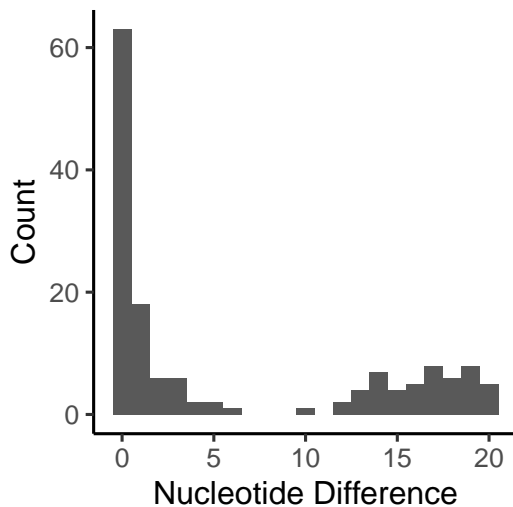
IGHV1-3*02

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



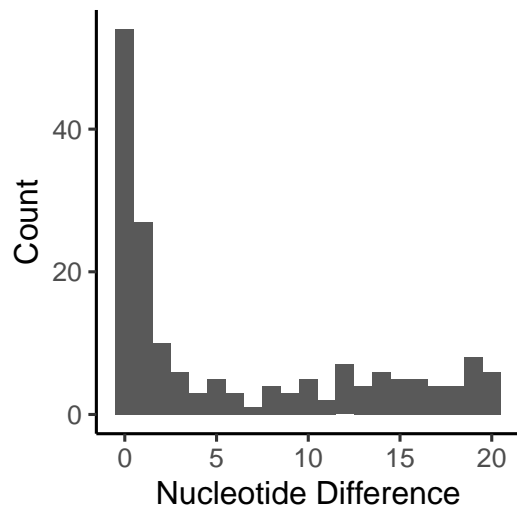
IGHV1-24*01

248 sequences assigned
63 (25.4%) exact matches, in which:
63 unique CDR3
6 unique J



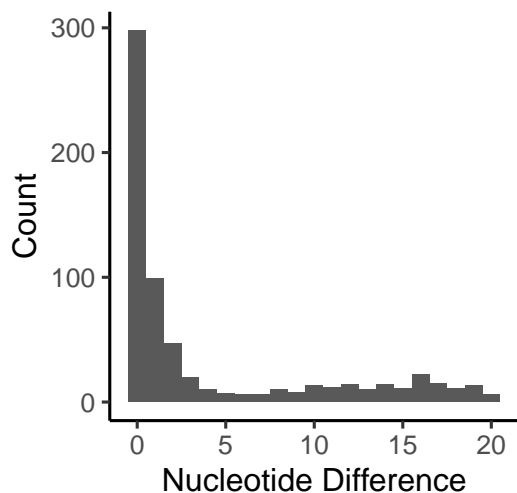
IGHV1-46*03

274 sequences assigned
54 (19.7%) exact matches, in which:
54 unique CDR3
5 unique J



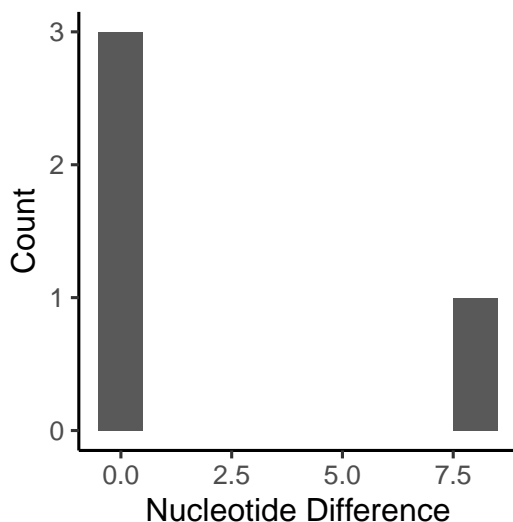
IGHV1-8*01

1775 sequences assigned
298 (16.8%) exact matches, in which:
295 unique CDR3
6 unique J



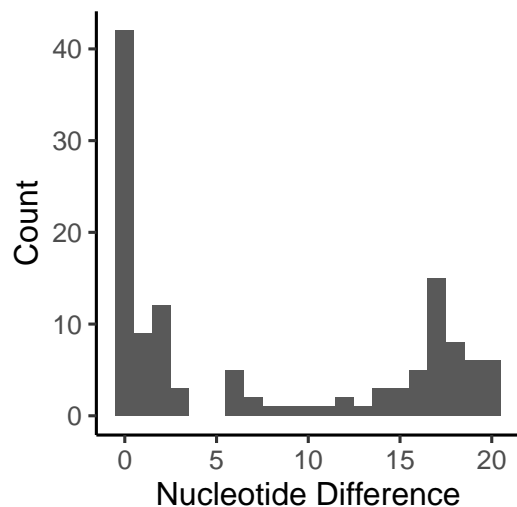
IGHV1-45*02

353 sequences assigned
3 (0.8%) exact matches, in which:
3 unique CDR3
2 unique J



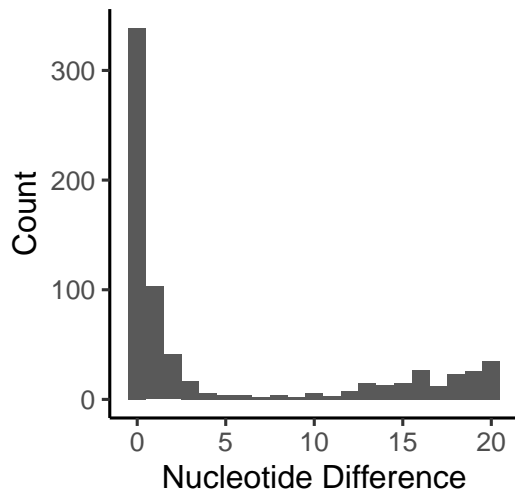
IGHV1-58*01

337 sequences assigned
42 (12.5%) exact matches, in which:
42 unique CDR3
5 unique J



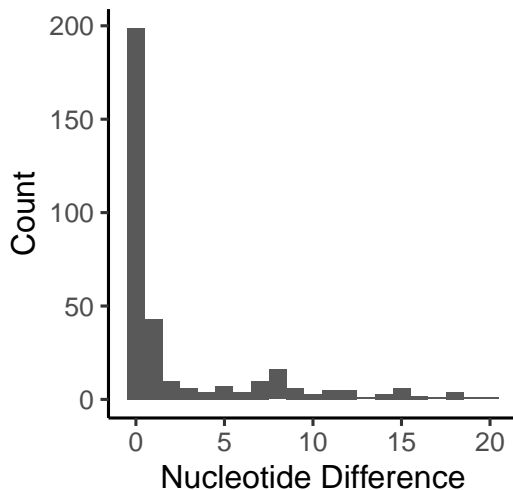
IGHV1–69*04

1493 sequences assigned
339 (22.7%) exact matches, in which:
334 unique CDR3
6 unique J



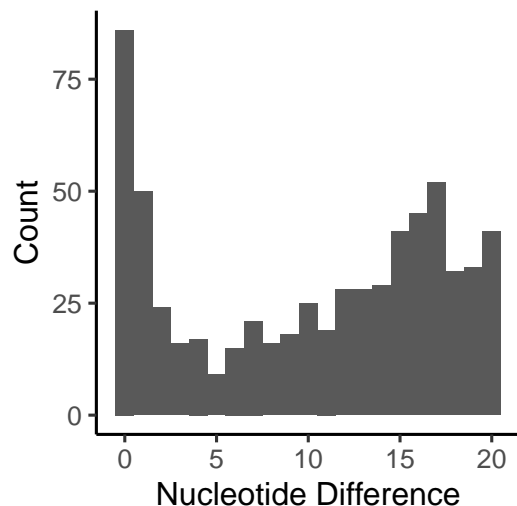
IGHV2–26*01

397 sequences assigned
199 (50.1%) exact matches, in which:
197 unique CDR3
6 unique J



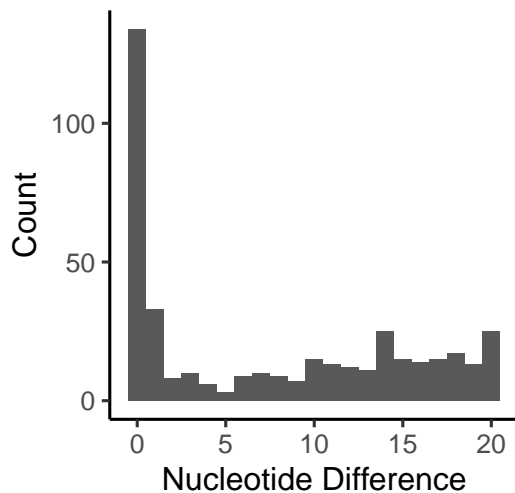
IGHV3–7*01

1134 sequences assigned
86 (7.6%) exact matches, in which:
86 unique CDR3
6 unique J



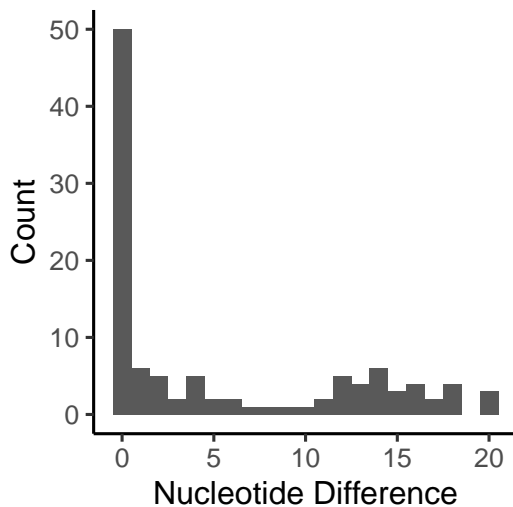
IGHV2–5*01

722 sequences assigned
134 (18.6%) exact matches, in which:
133 unique CDR3
6 unique J



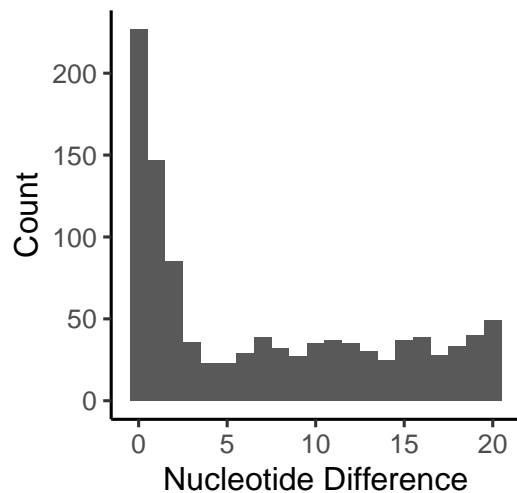
IGHV2–70*01

160 sequences assigned
50 (31.2%) exact matches, in which:
50 unique CDR3
5 unique J



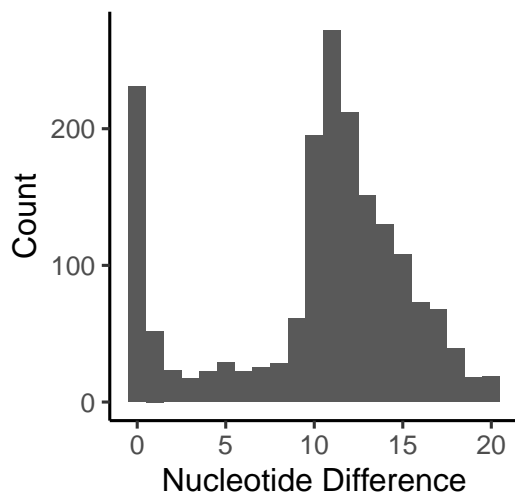
IGHV3–9*01

1868 sequences assigned
227 (12.2%) exact matches, in which:
226 unique CDR3
6 unique J



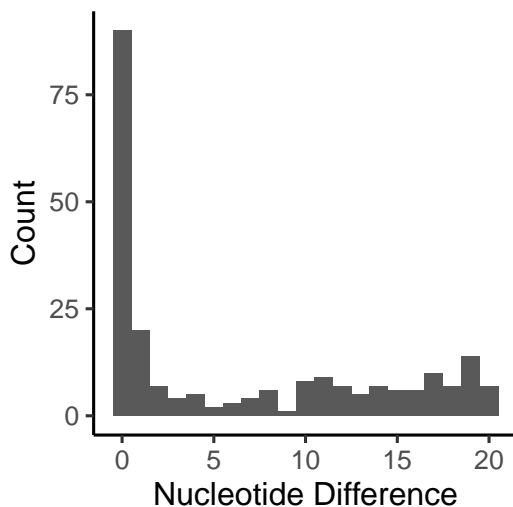
IGHV2–5*02

2134 sequences assigned
231 (10.8%) exact matches, in which:
228 unique CDR3
6 unique J



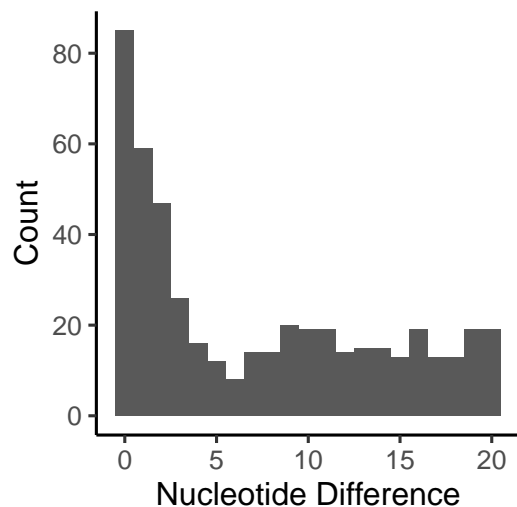
IGHV2–70*15

372 sequences assigned
90 (24.2%) exact matches, in which:
90 unique CDR3
5 unique J



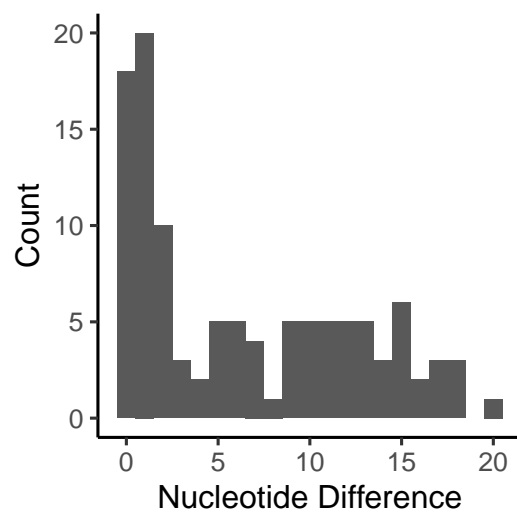
IGHV3–11*01

1297 sequences assigned
85 (6.6%) exact matches, in which:
84 unique CDR3
4 unique J



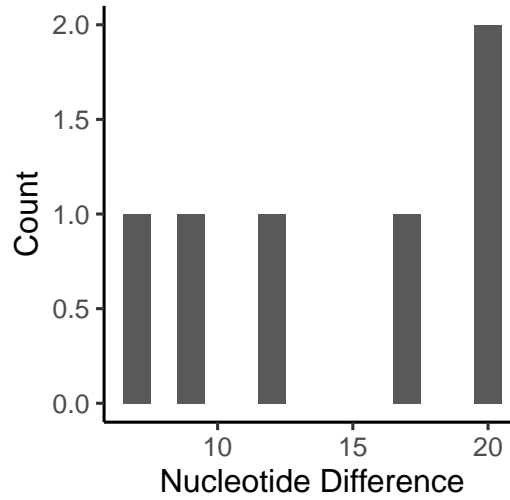
IGHV3-13*01

164 sequences assigned
18 (11%) exact matches, in which:
18 unique CDR3
5 unique J



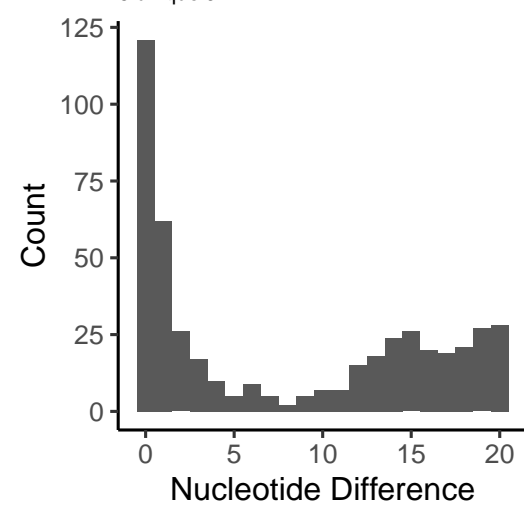
IGHV3-20*04

32 sequences assigned
No exact matches.



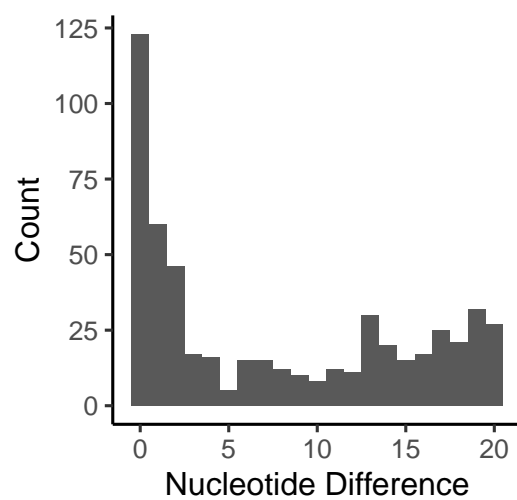
IGHV3-30*01

782 sequences assigned
121 (15.5%) exact matches, in which:
121 unique CDR3
6 unique J



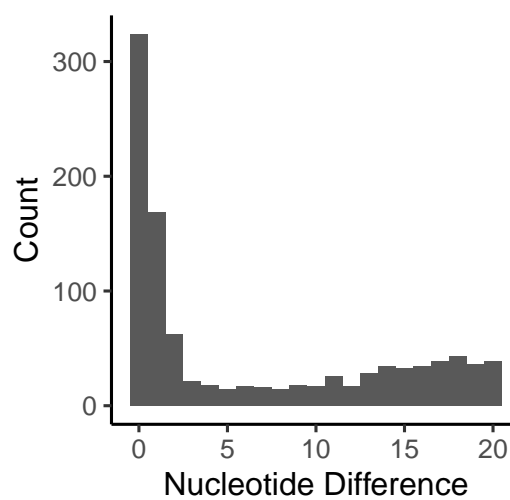
IGHV3-15*01

1511 sequences assigned
123 (8.1%) exact matches, in which:
120 unique CDR3
6 unique J



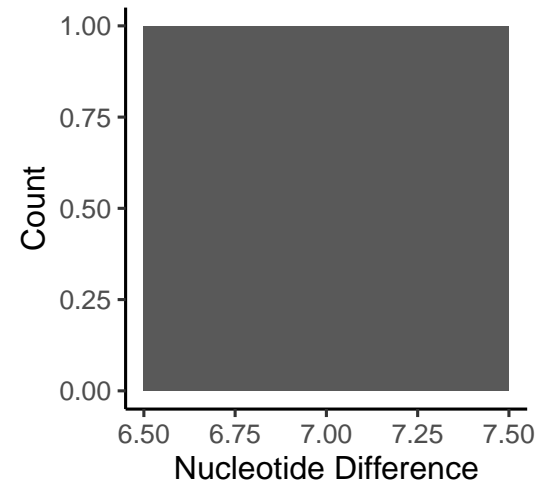
IGHV3-21*01

1751 sequences assigned
324 (18.5%) exact matches, in which:
313 unique CDR3
6 unique J



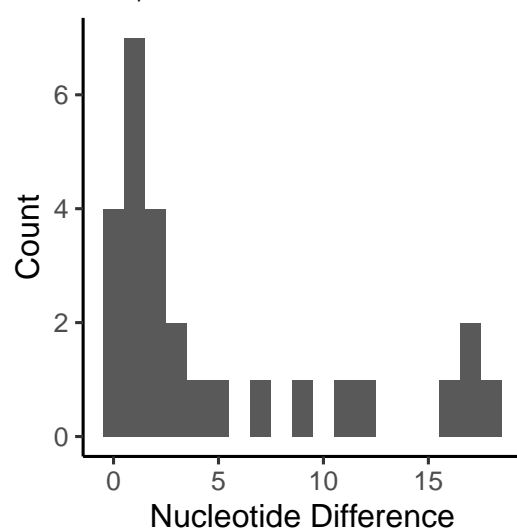
IGHV3-30-3*01

29 sequences assigned
No exact matches.



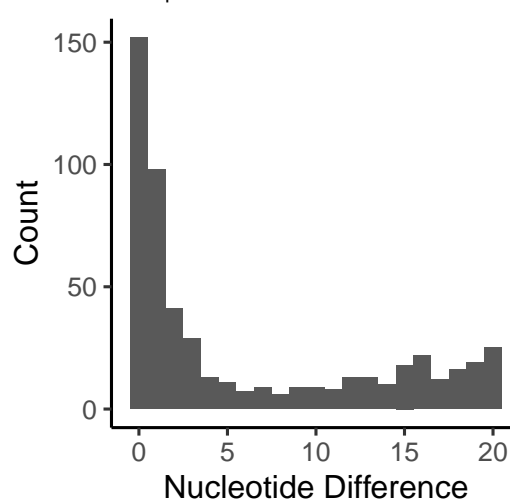
IGHV3-20*01

34 sequences assigned
4 (11.8%) exact matches, in which:
4 unique CDR3
3 unique J



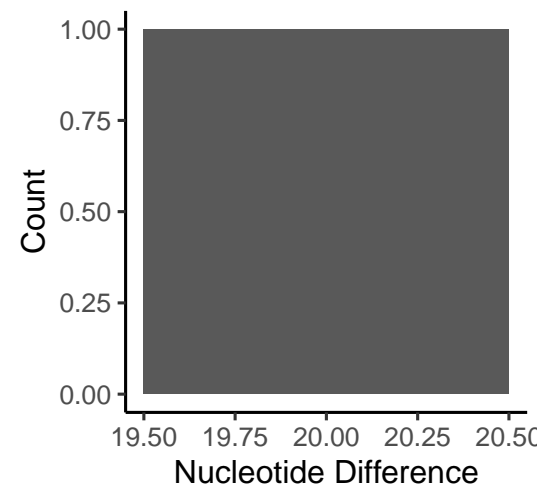
IGHV3-23*04

1437 sequences assigned
152 (10.6%) exact matches, in which:
150 unique CDR3
6 unique J



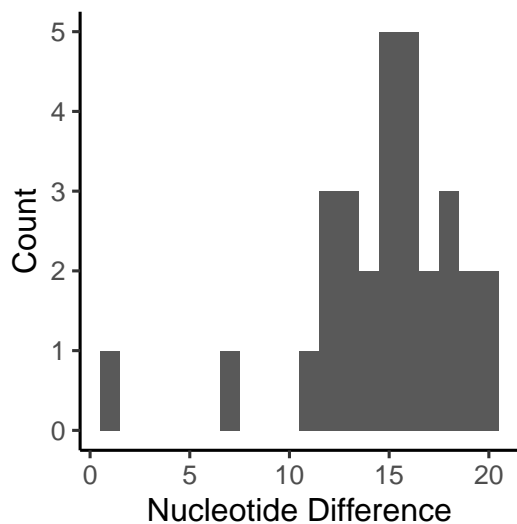
IGHV3-30-3*02

219 sequences assigned
No exact matches.



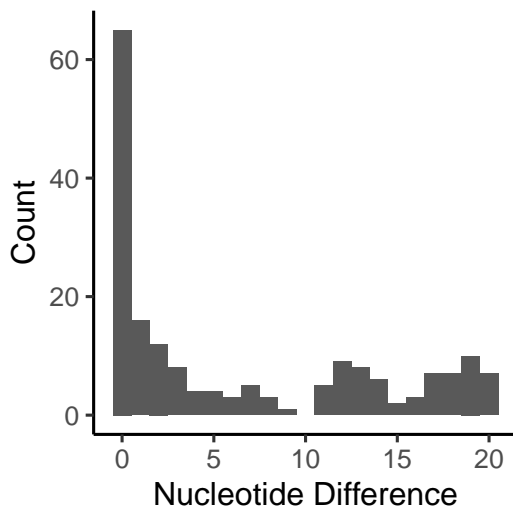
IGHV3-30-3*03

166 sequences assigned
No exact matches.



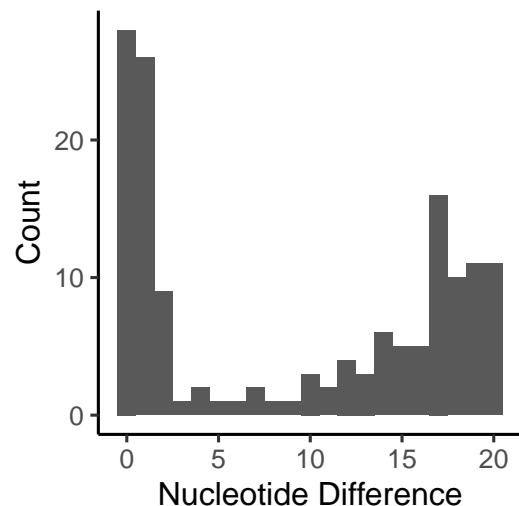
IGHV3-48*01

386 sequences assigned
65 (16.8%) exact matches, in which:
63 unique CDR3
4 unique J



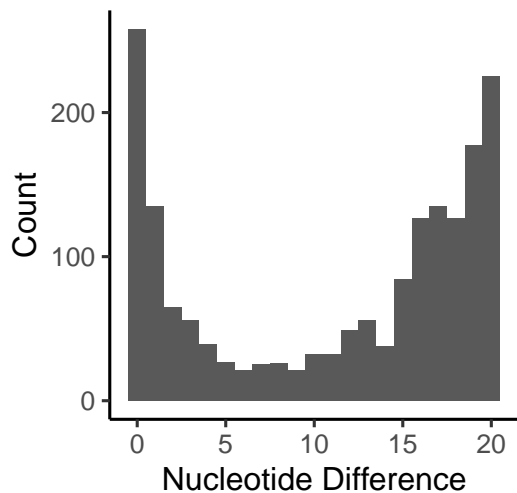
IGHV3-49*04

482 sequences assigned
28 (5.8%) exact matches, in which:
28 unique CDR3
4 unique J



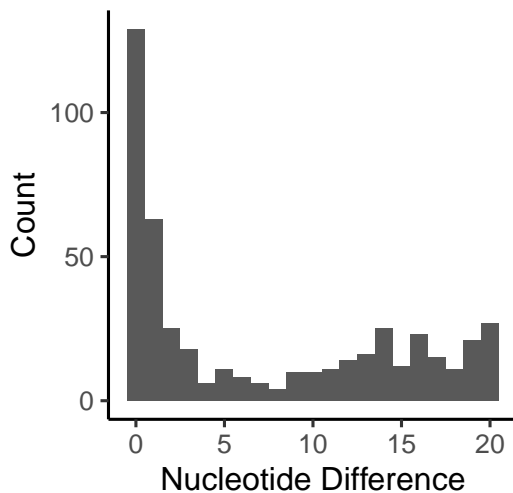
IGHV3-33*01

5022 sequences assigned
258 (5.1%) exact matches, in which:
257 unique CDR3
6 unique J



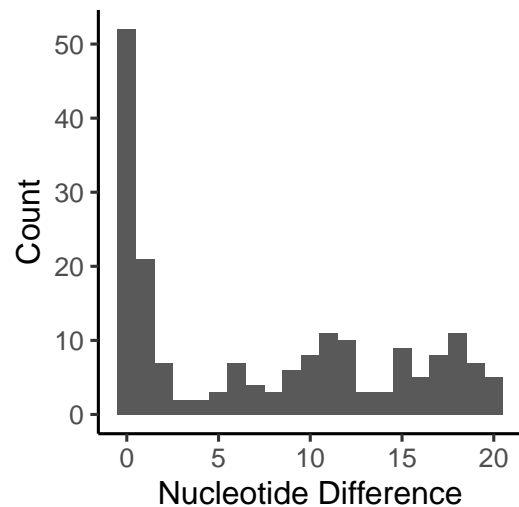
IGHV3-48*03

1047 sequences assigned
129 (12.3%) exact matches, in which:
128 unique CDR3
5 unique J



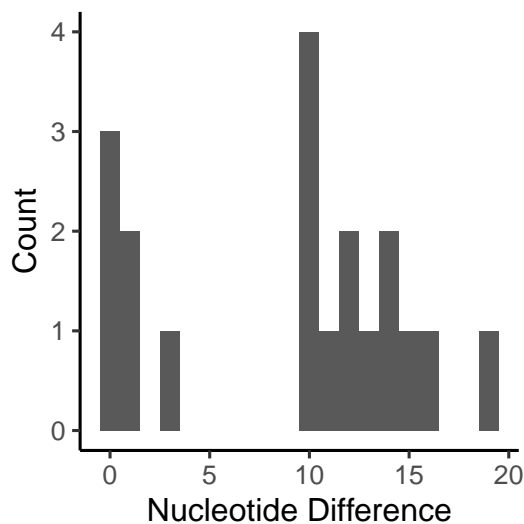
IGHV3-53*02

307 sequences assigned
52 (16.9%) exact matches, in which:
52 unique CDR3
5 unique J



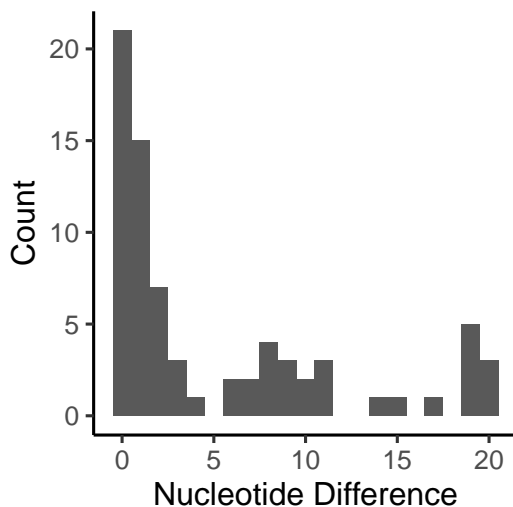
IGHV3-43*01

39 sequences assigned
3 (7.7%) exact matches, in which:
2 unique CDR3
1 unique J



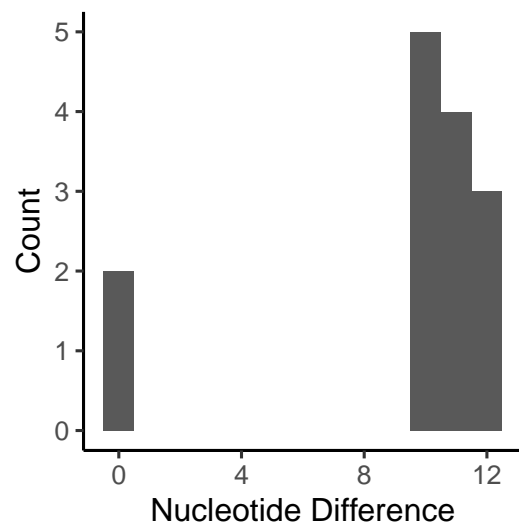
IGHV3-49*03

159 sequences assigned
21 (13.2%) exact matches, in which:
21 unique CDR3
5 unique J



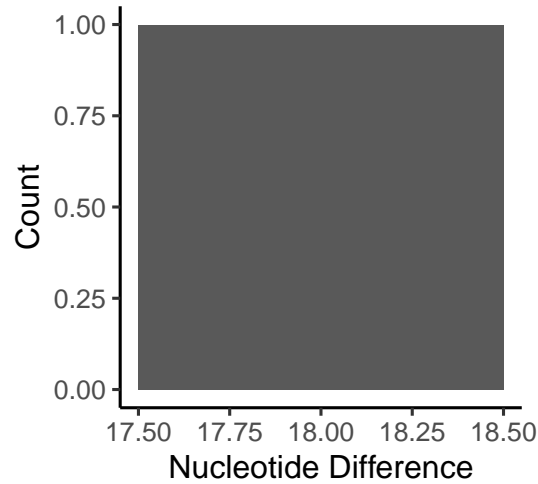
IGHV3-64*02

14 sequences assigned
2 (14.3%) exact matches, in which:
2 unique CDR3
2 unique J



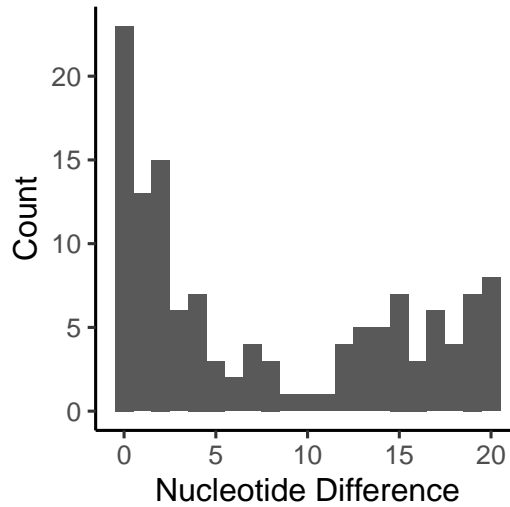
IGHV3-64*07

4 sequences assigned
No exact matches.



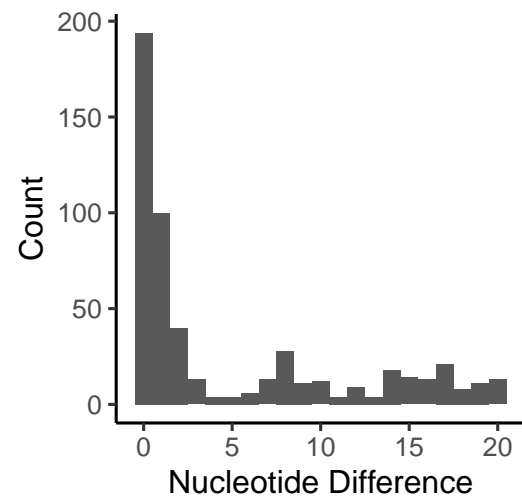
IGHV3-73*02

247 sequences assigned
23 (9.3%) exact matches, in which:
23 unique CDR3
3 unique J



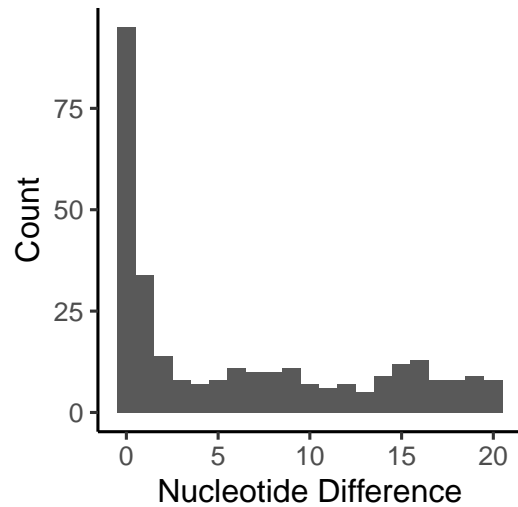
IGHV4-4*07

965 sequences assigned
194 (20.1%) exact matches, in which:
191 unique CDR3
6 unique J



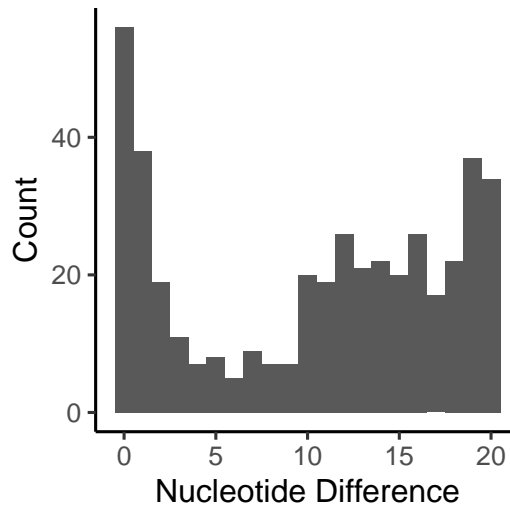
IGHV3-66*01

588 sequences assigned
95 (16.2%) exact matches, in which:
93 unique CDR3
6 unique J



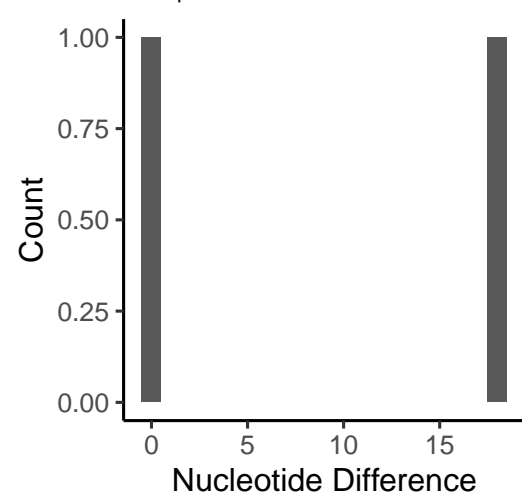
IGHV3-74*01

985 sequences assigned
56 (5.7%) exact matches, in which:
56 unique CDR3
5 unique J



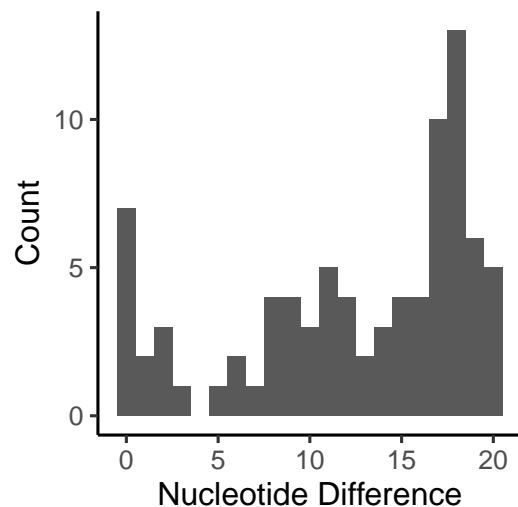
IGHV4-28*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



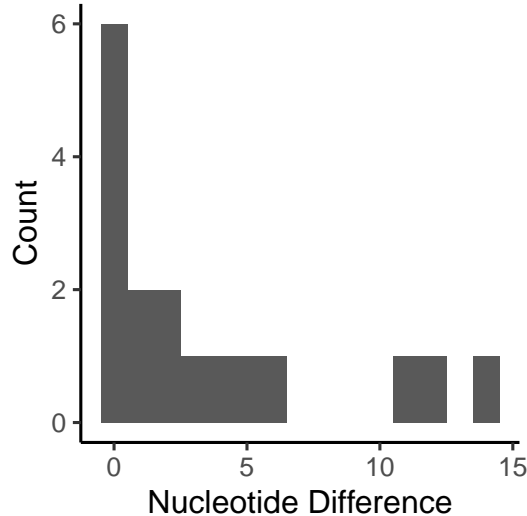
IGHV3-72*01

179 sequences assigned
7 (3.9%) exact matches, in which:
6 unique CDR3
4 unique J



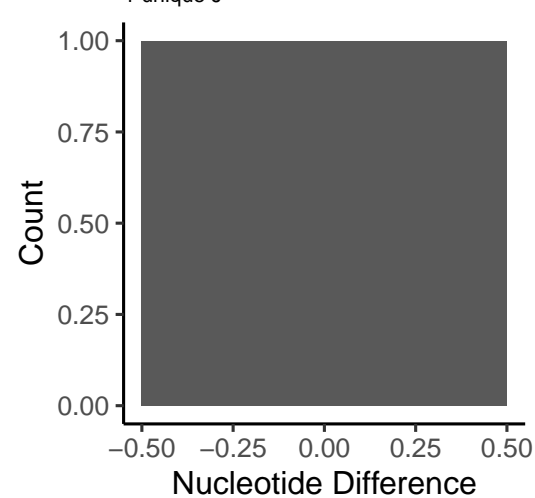
IGHV3-43D*04

23 sequences assigned
6 (26.1%) exact matches, in which:
6 unique CDR3
2 unique J



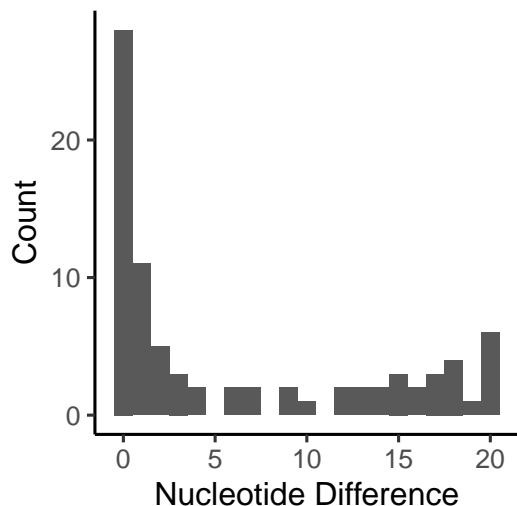
IGHV4-28*02

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



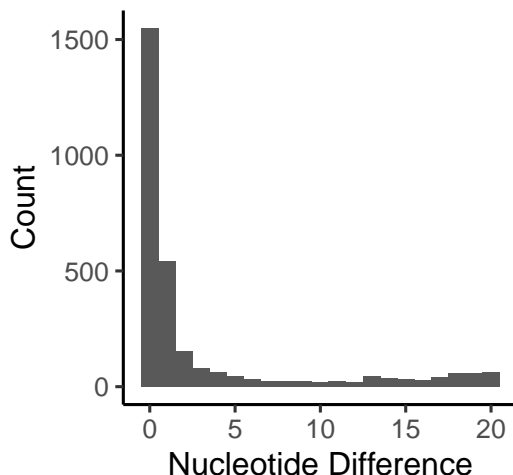
IGHV4-30-2*01

263 sequences assigned
28 (10.6%) exact matches, in which:
27 unique CDR3
5 unique J



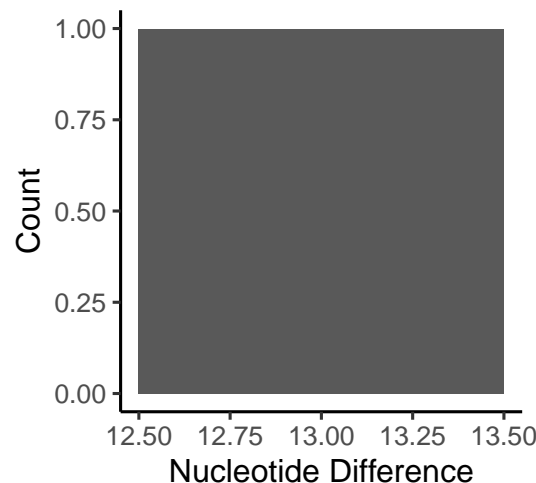
IGHV4-34*01

4483 sequences assigned
1548 (34.5%) exact matches, in which:
1530 unique CDR3
6 unique J



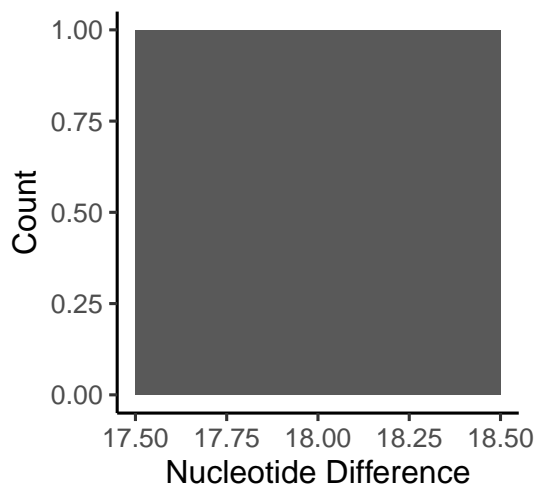
IGHV4-55*08

1 sequences assigned
No exact matches.



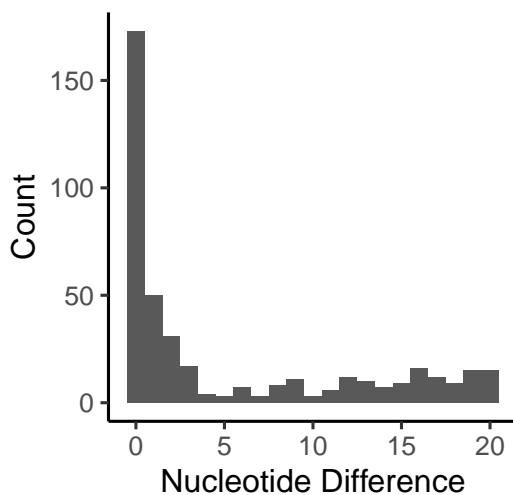
IGHV4-30-4*08

13 sequences assigned
No exact matches.



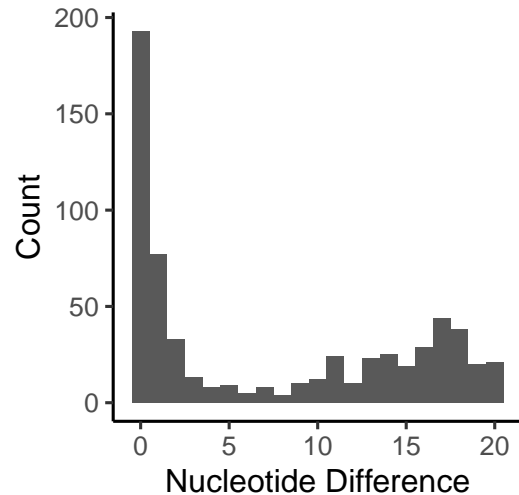
IGHV4-38-2*02_A70G

890 sequences assigned
173 (19.4%) exact matches, in which:
172 unique CDR3
6 unique J



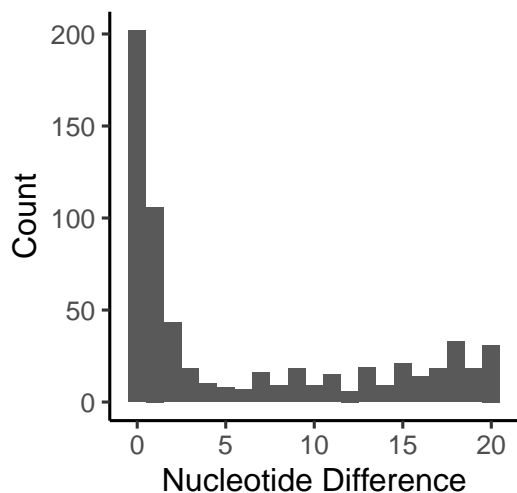
IGHV4-59*01

1313 sequences assigned
193 (14.7%) exact matches, in which:
187 unique CDR3
6 unique J



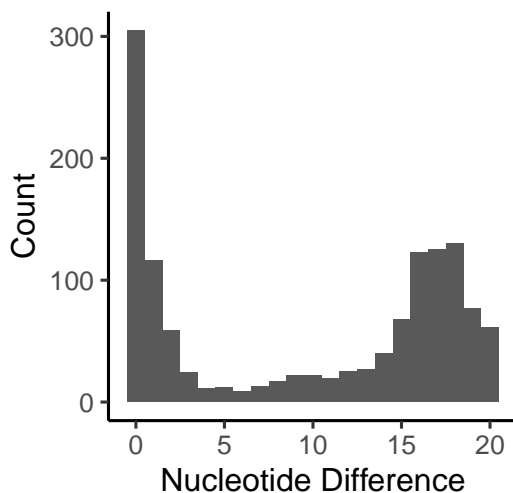
IGHV4-31*03

1574 sequences assigned
202 (12.8%) exact matches, in which:
197 unique CDR3
6 unique J



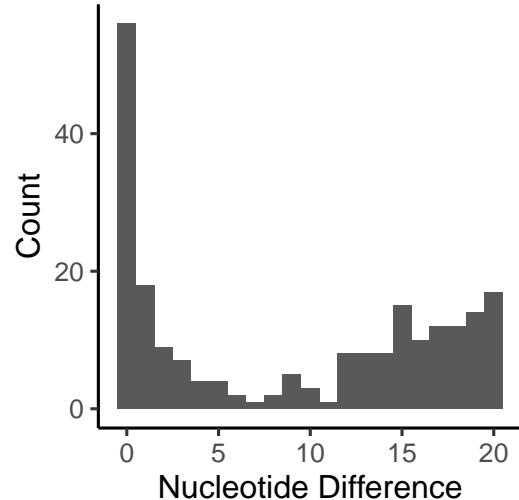
IGHV4-39*01

2318 sequences assigned
305 (13.2%) exact matches, in which:
293 unique CDR3
6 unique J



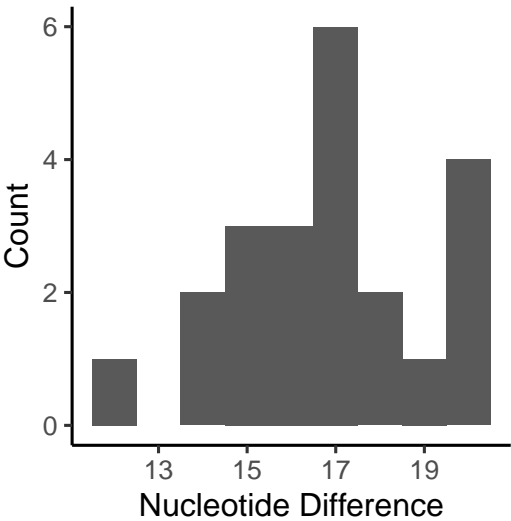
IGHV4-61*01

402 sequences assigned
56 (13.9%) exact matches, in which:
54 unique CDR3
5 unique J



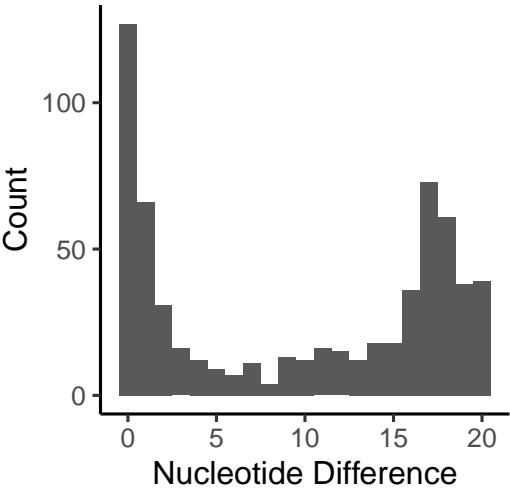
IGHV4–61*08

61 sequences assigned
No exact matches.



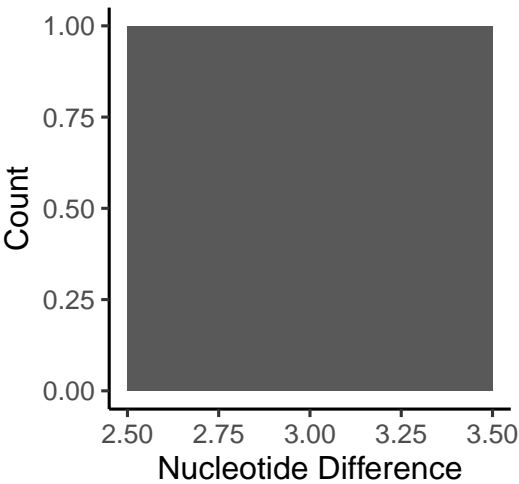
IGHV5–51*01

1012 sequences assigned
127 (12.5%) exact matches, in which:
127 unique CDR3
6 unique J



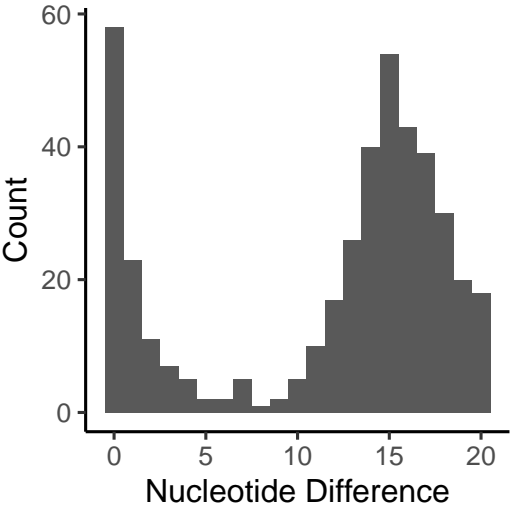
IGHV1/OR15–1*04

3 sequences assigned
No exact matches.



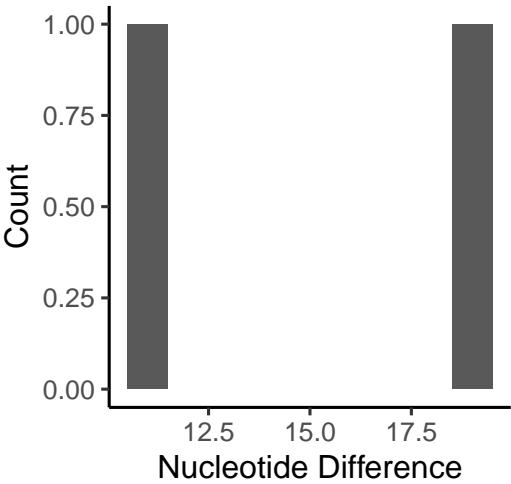
IGHV5–51*03

797 sequences assigned
58 (7.3%) exact matches, in which:
58 unique CDR3
6 unique J



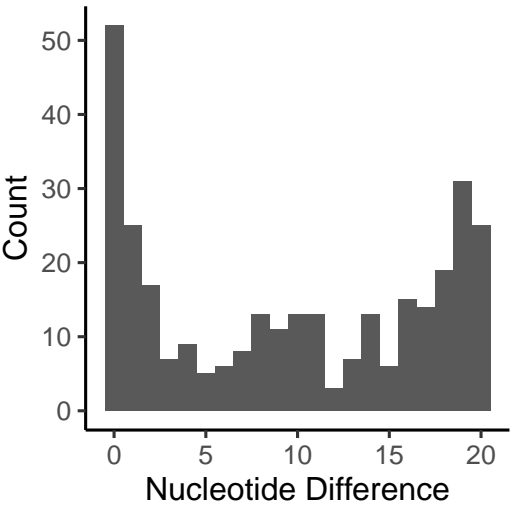
IGHV1/OR15–9*01

2 sequences assigned
No exact matches.



IGHV6–1*01

541 sequences assigned
52 (9.6%) exact matches, in which:
52 unique CDR3
5 unique J





Warning – no inferred sequences found.