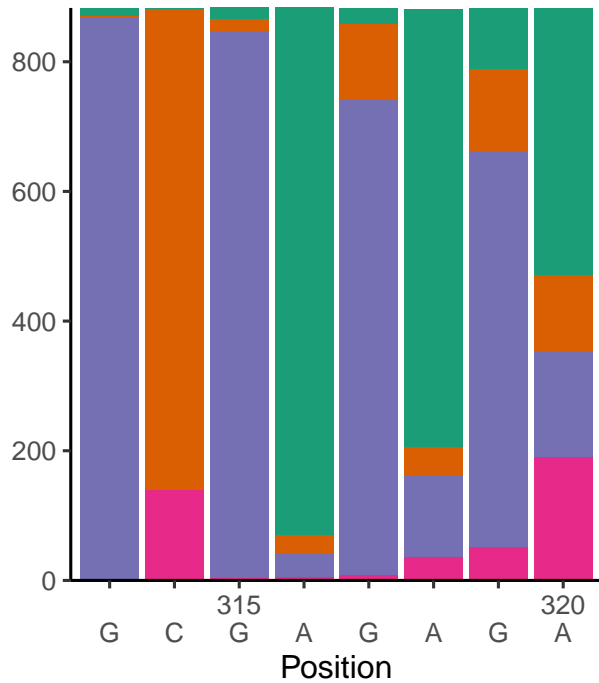
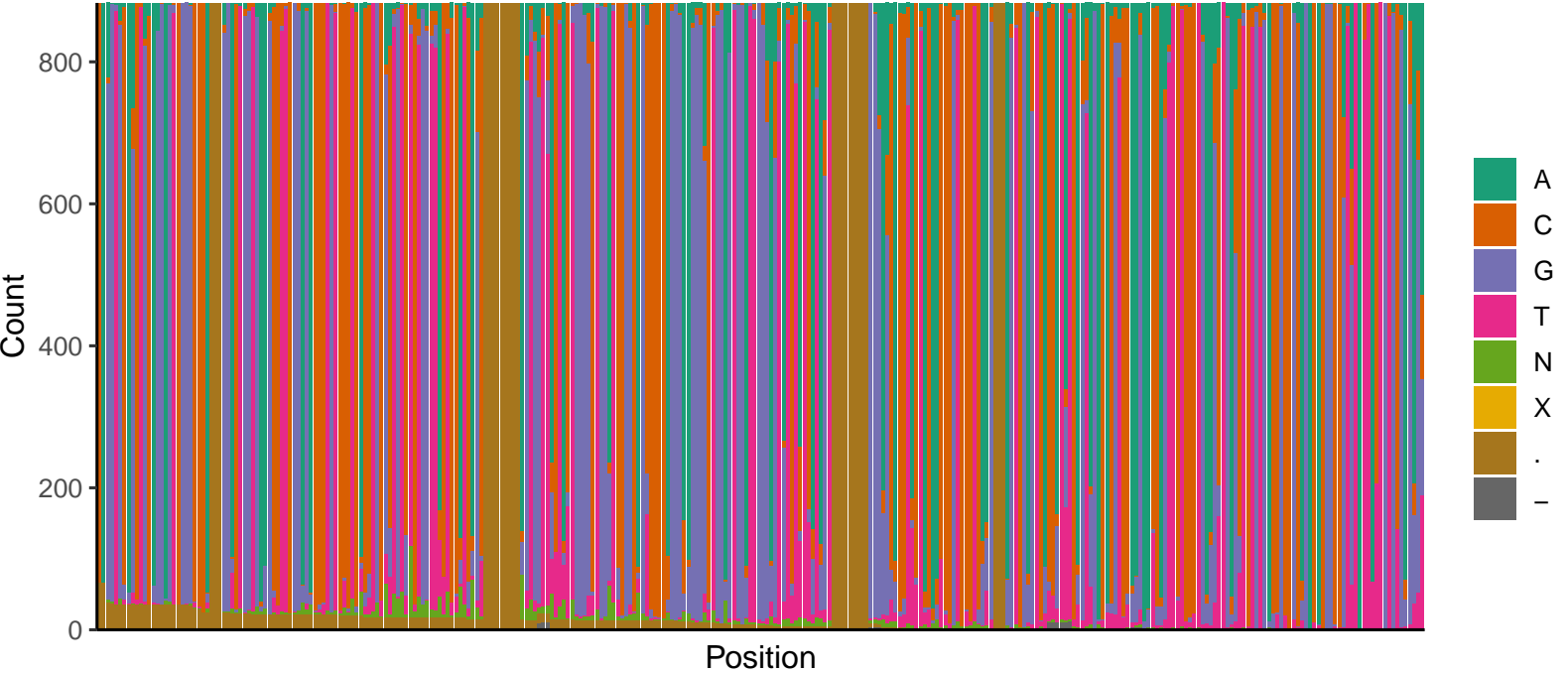


Gene IGHV4-38-2*02_A70G

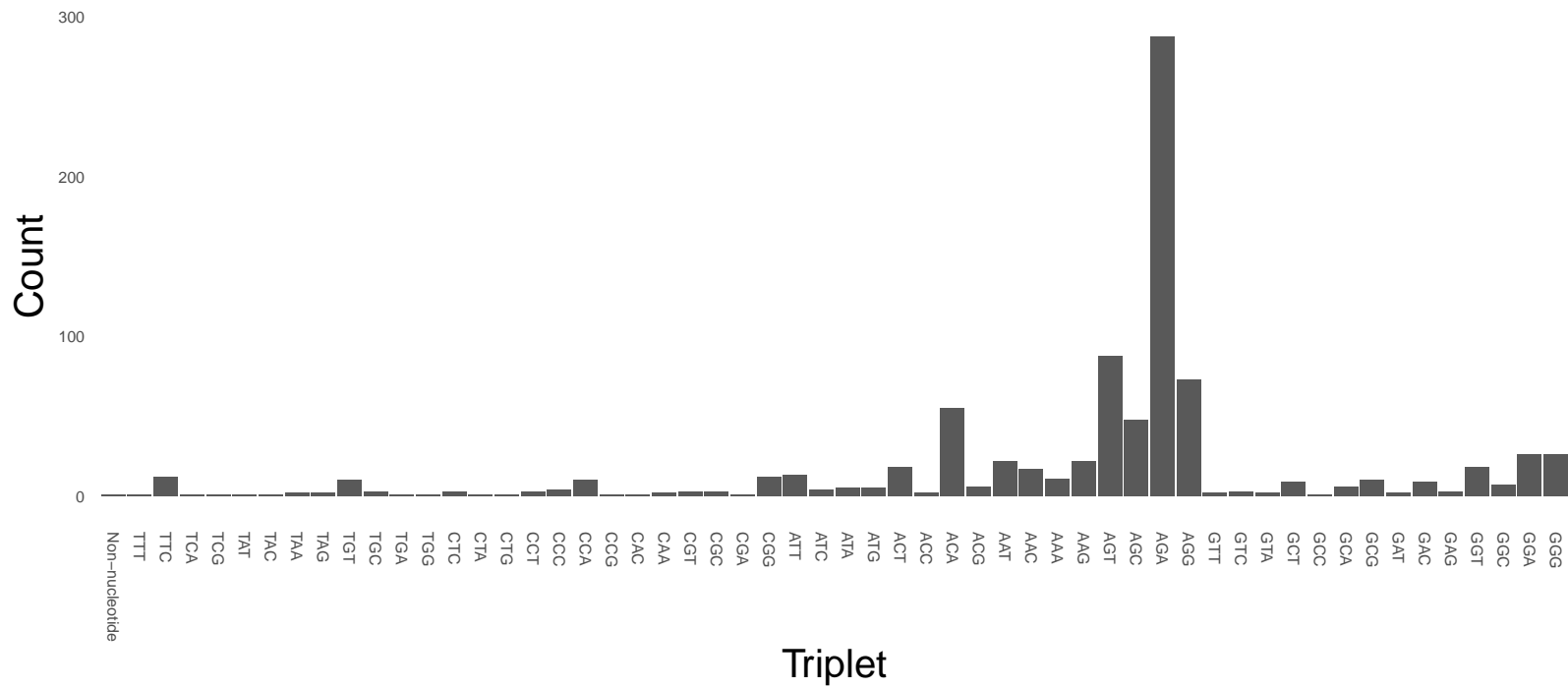
Count



Gene IGHV4-38-2*02_A70G

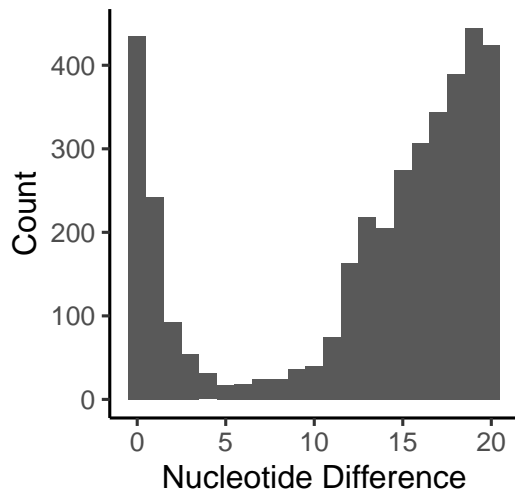


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



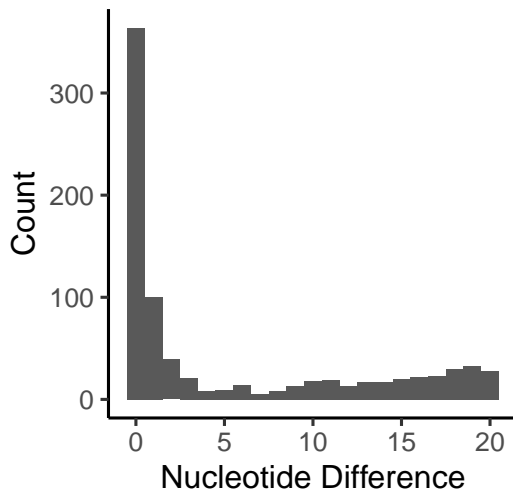
IGHV1-2*02

8765 sequences assigned
435 (5%) exact matches, in which:
427 unique CDR3
6 unique J



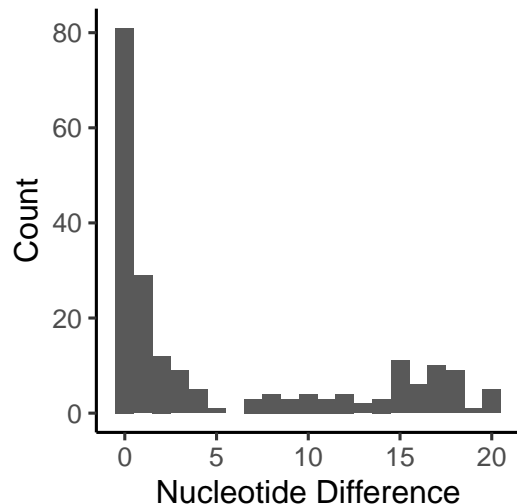
IGHV1-18*01

1410 sequences assigned
364 (25.8%) exact matches, in which:
360 unique CDR3
6 unique J



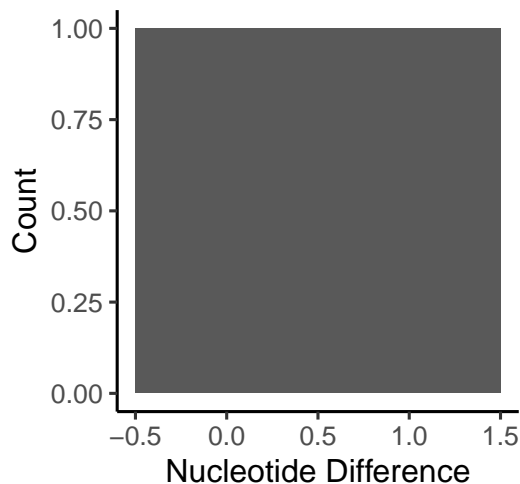
IGHV1-46*01

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



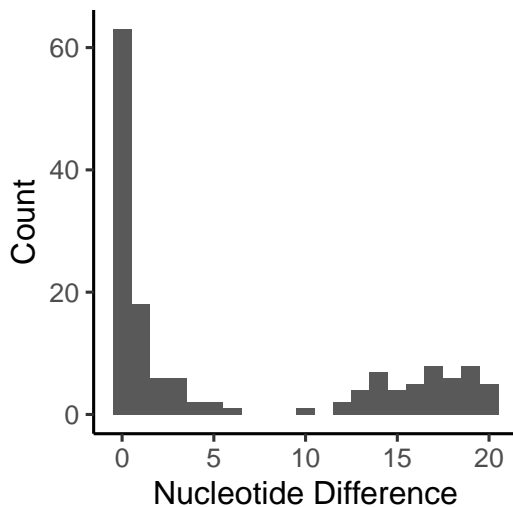
IGHV1-3*02

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



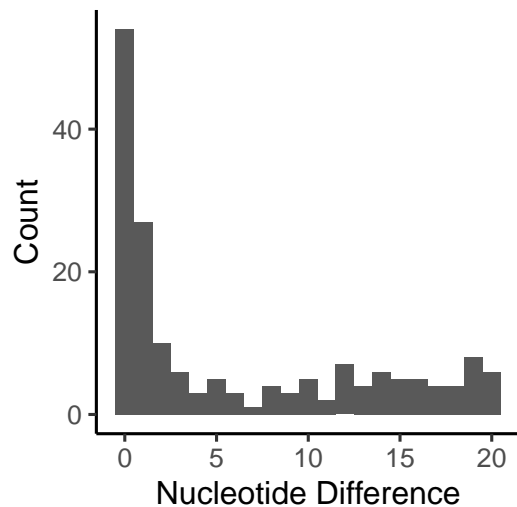
IGHV1-24*01

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



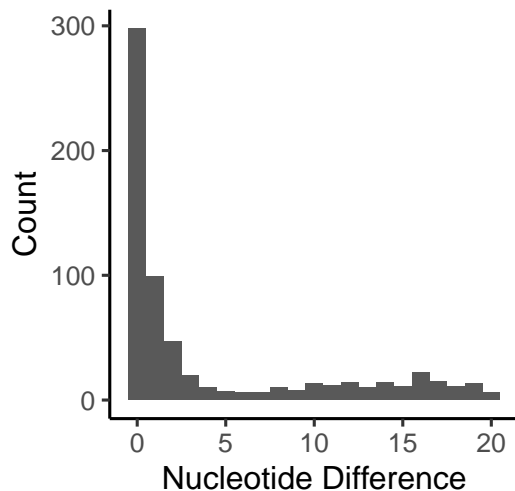
IGHV1-46*03

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



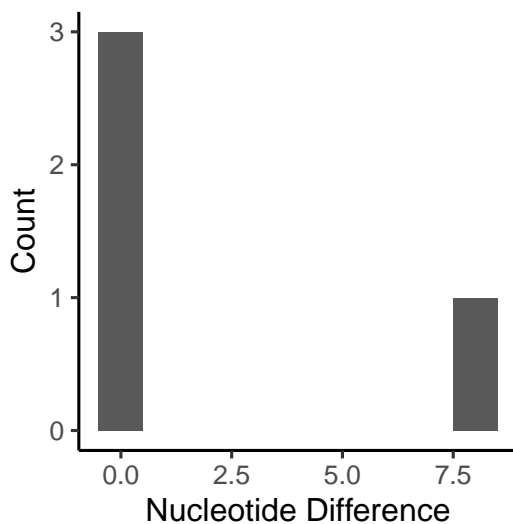
IGHV1-8*01

1772 sequences assigned
298 (16.8%) exact matches, in which:
295 unique CDR3
6 unique J



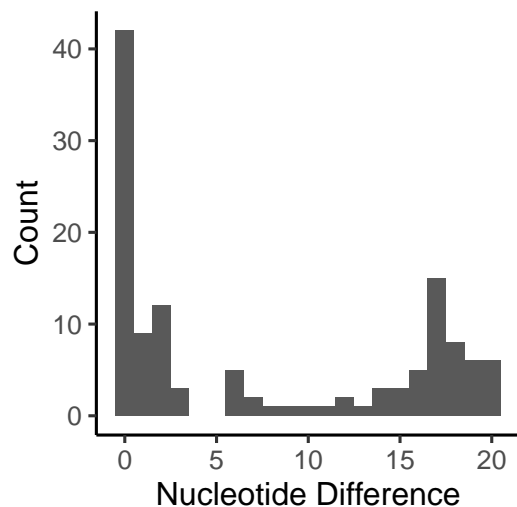
IGHV1-45*02

348 sequences assigned
3 (0.9%) exact matches, in which:
3 unique CDR3
2 unique J



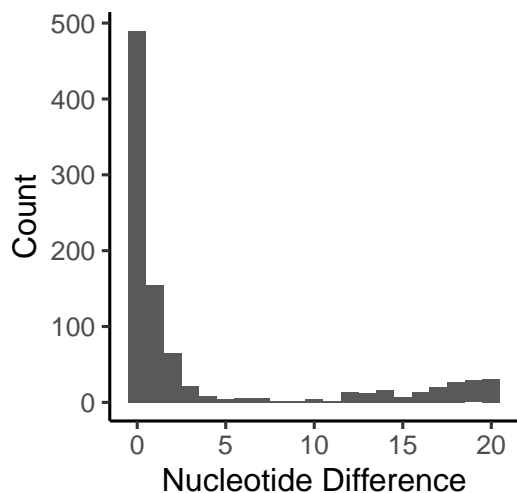
IGHV1-58*01

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



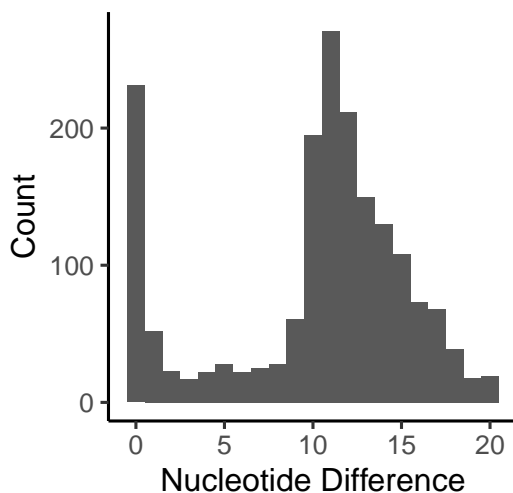
IGHV1–69*01

1835 sequences assigned
490 (26.7%) exact matches, in which:
486 unique CDR3
6 unique J



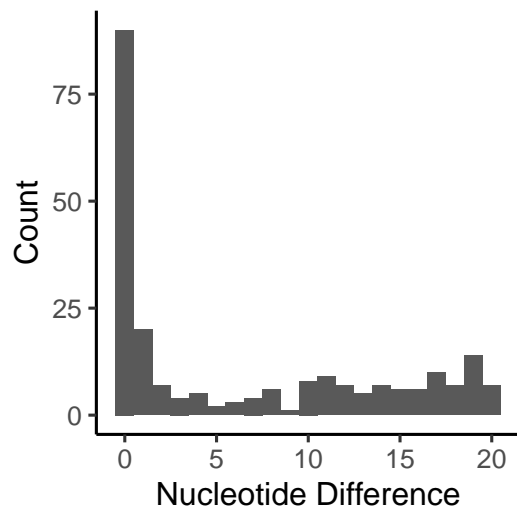
IGHV2–5*02

2125 sequences assigned
231 (10.9%) exact matches, in which:
228 unique CDR3
6 unique J



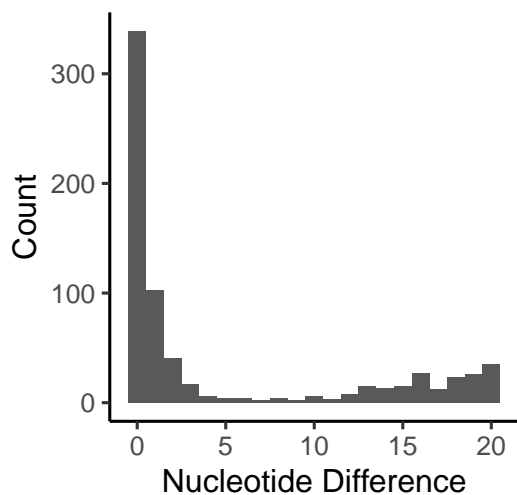
IGHV2–70*15

371 sequences assigned
90 (24.3%) exact matches, in which:
90 unique CDR3
5 unique J



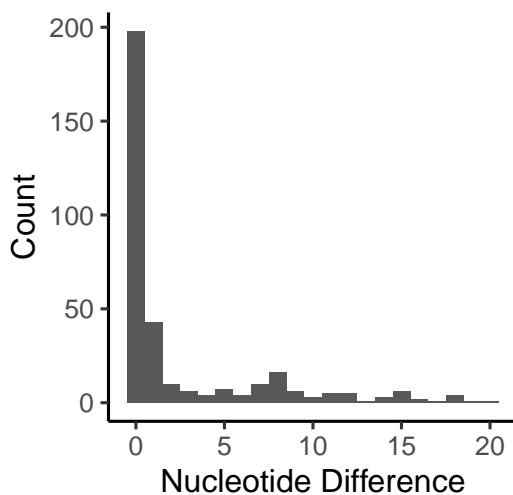
IGHV1–69*04

1485 sequences assigned
339 (22.8%) exact matches, in which:
334 unique CDR3
6 unique J



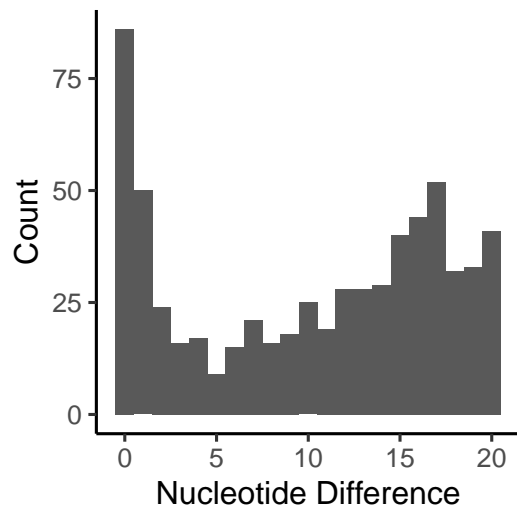
IGHV2–26*01

395 sequences assigned
198 (50.1%) exact matches, in which:
196 unique CDR3
6 unique J



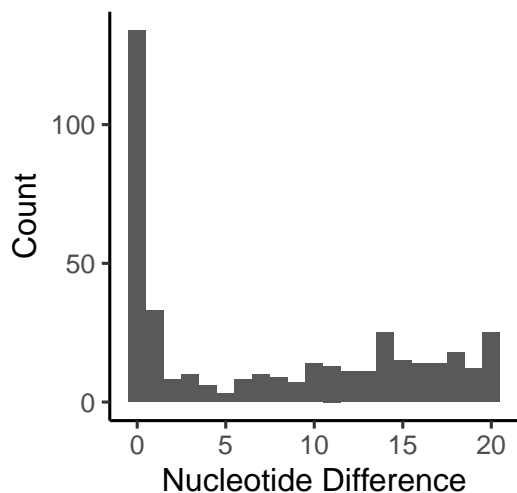
IGHV3–7*01

1132 sequences assigned
86 (7.6%) exact matches, in which:
86 unique CDR3
6 unique J



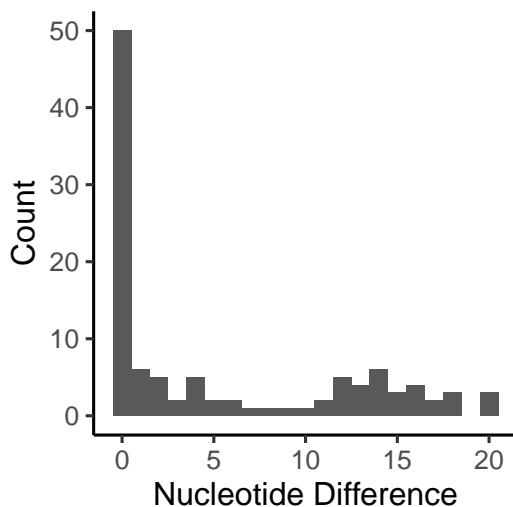
IGHV2–5*01

716 sequences assigned
134 (18.7%) exact matches, in which:
133 unique CDR3
6 unique J



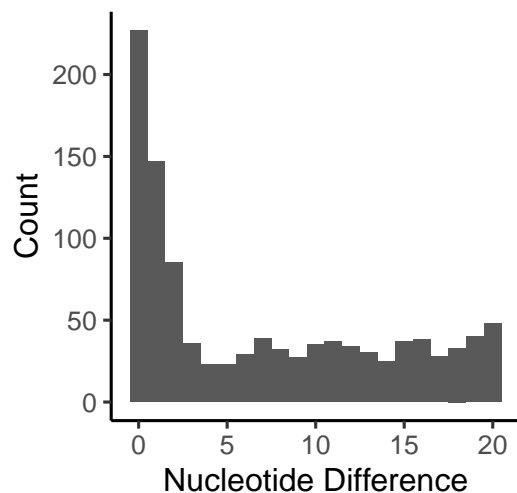
IGHV2–70*01

159 sequences assigned
50 (31.4%) exact matches, in which:
50 unique CDR3
5 unique J



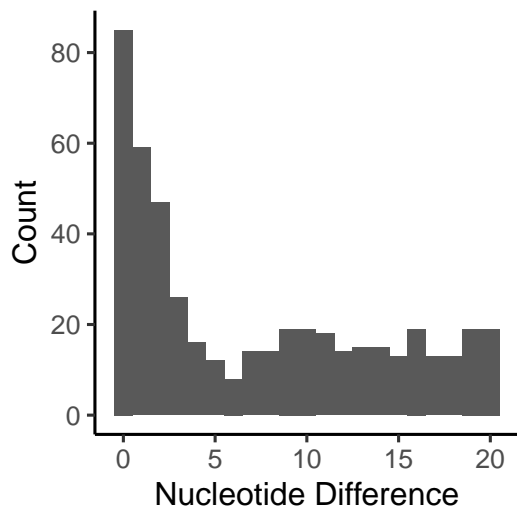
IGHV3–9*01

1863 sequences assigned
227 (12.2%) exact matches, in which:
226 unique CDR3
6 unique J



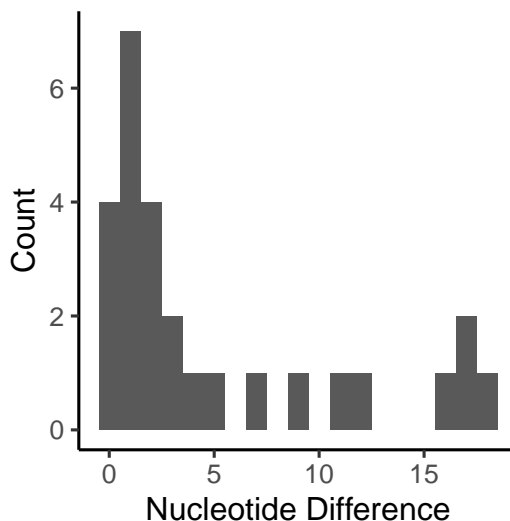
IGHV3-11*01

1291 sequences assigned
85 (6.6%) exact matches, in which:
84 unique CDR3
4 unique J



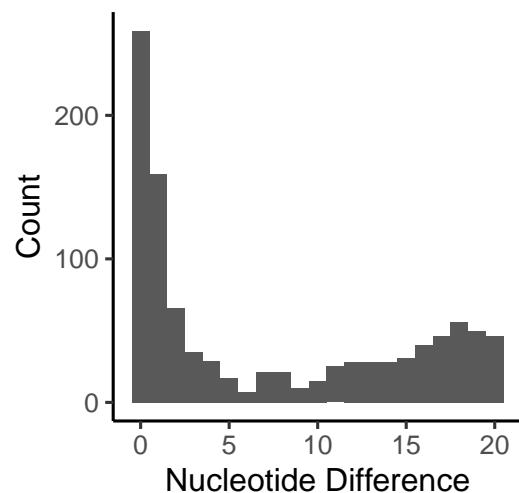
IGHV3-20*01

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



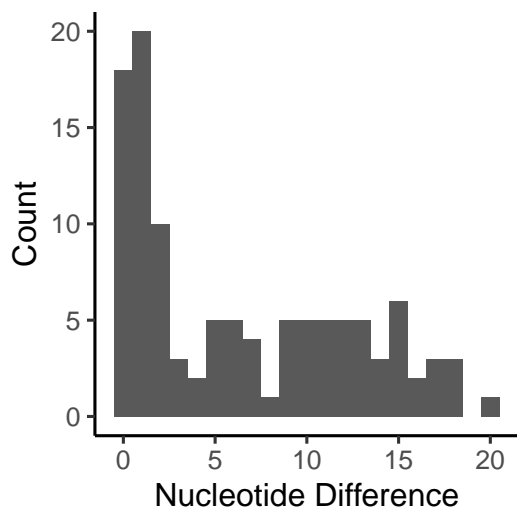
IGHV3-23*01

1968 sequences assigned
259 (13.2%) exact matches, in which:
259 unique CDR3
6 unique J



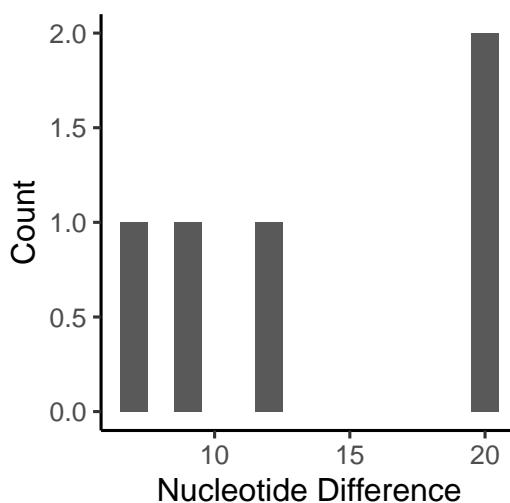
IGHV3-13*01

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



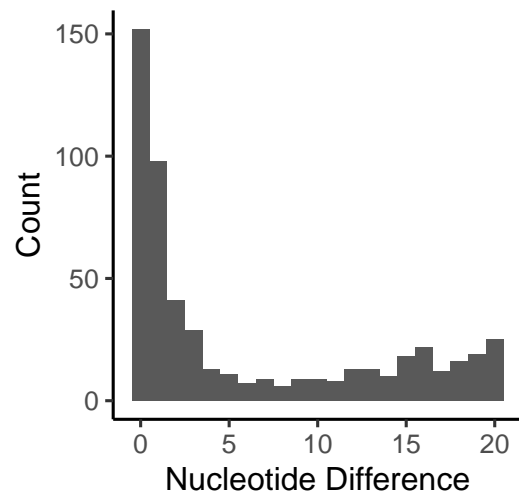
IGHV3-20*04

31 sequences assigned
No exact matches.



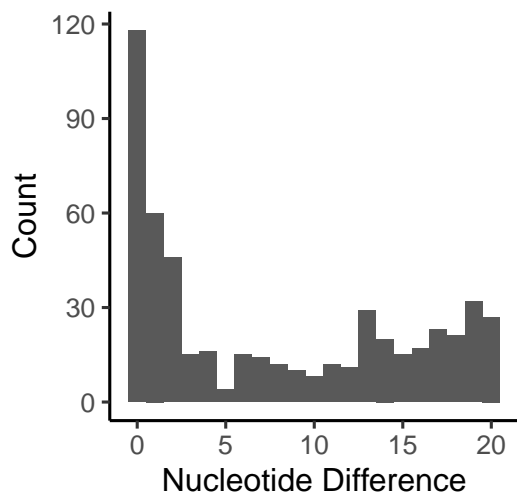
IGHV3-23*04

1431 sequences assigned
152 (10.6%) exact matches, in which:
150 unique CDR3
6 unique J



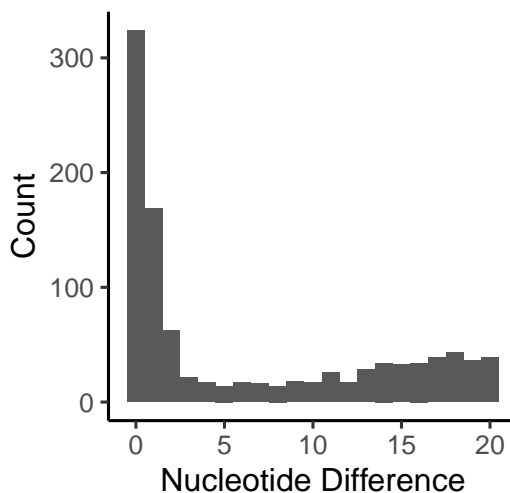
IGHV3-15*01

1494 sequences assigned
118 (7.9%) exact matches, in which:
115 unique CDR3
6 unique J



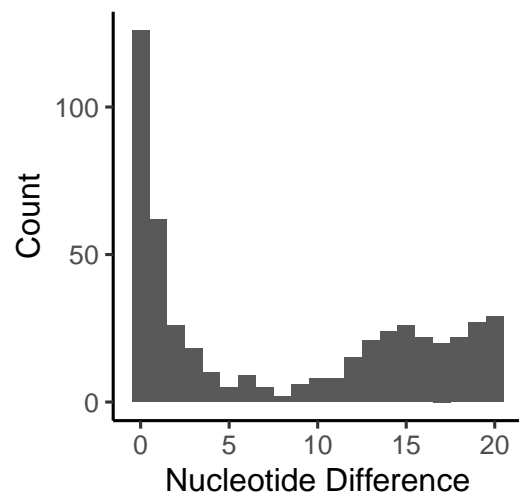
IGHV3-21*01

1742 sequences assigned
324 (18.6%) exact matches, in which:
313 unique CDR3
6 unique J



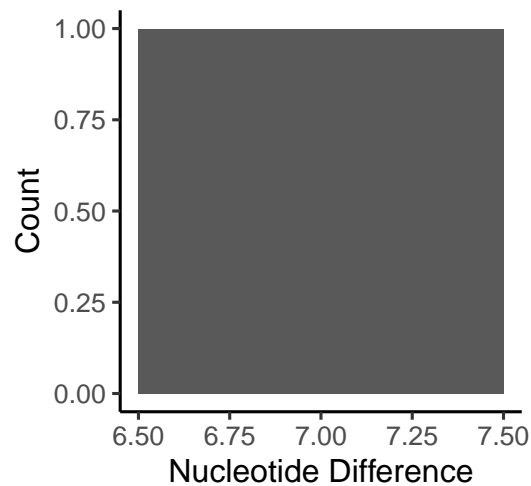
IGHV3-30*01

903 sequences assigned
126 (14%) exact matches, in which:
126 unique CDR3
6 unique J



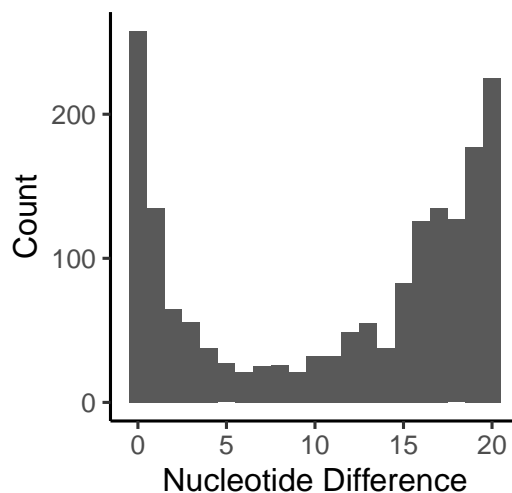
IGHV3-30-3*01

70 sequences assigned
No exact matches.



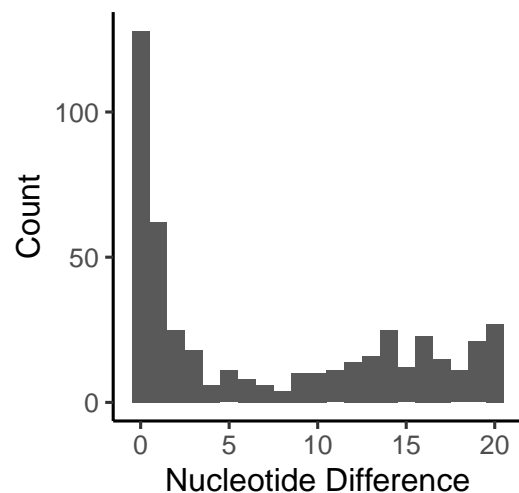
IGHV3-33*01

5009 sequences assigned
258 (5.2%) exact matches, in which:
257 unique CDR3
6 unique J



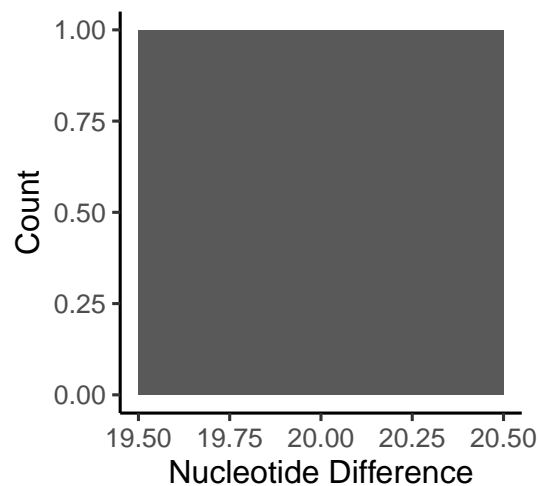
IGHV3-48*03

1036 sequences assigned
128 (12.4%) exact matches, in which:
127 unique CDR3
5 unique J



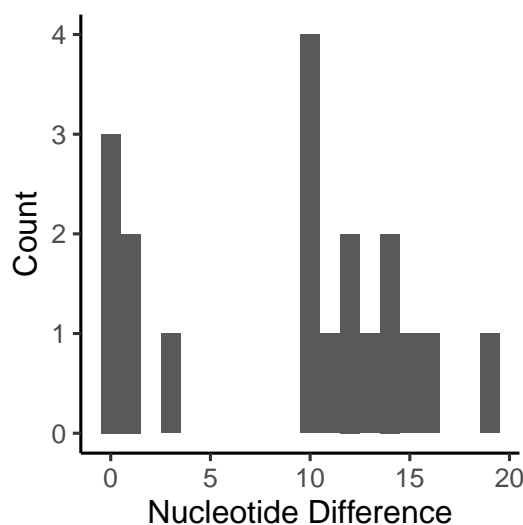
IGHV3-30-3*02

219 sequences assigned
No exact matches.



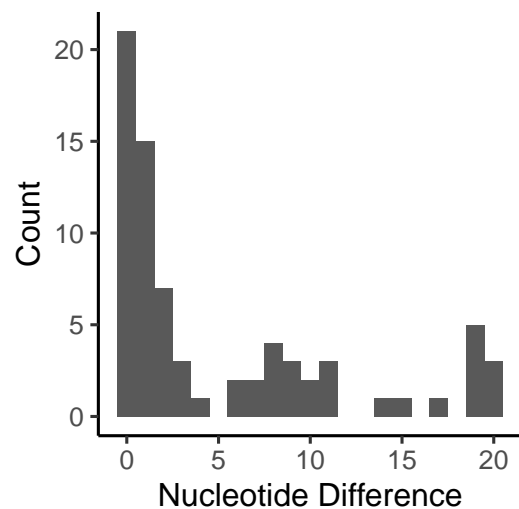
IGHV3-43*01

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



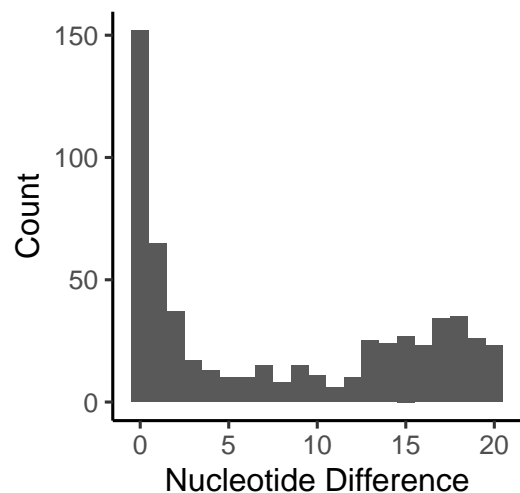
IGHV3-49*03

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



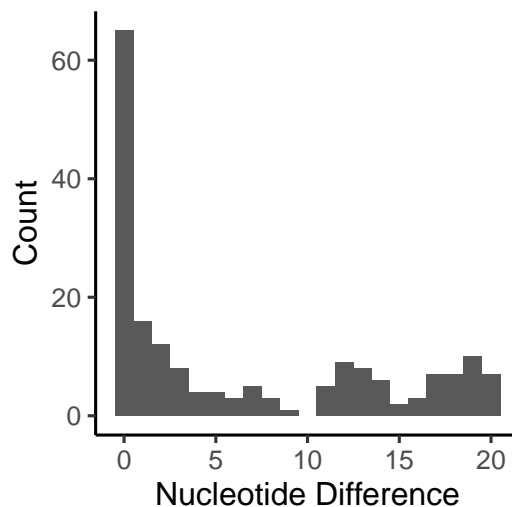
IGHV3-30*18

1468 sequences assigned
152 (10.4%) exact matches, in which:
152 unique CDR3
6 unique J



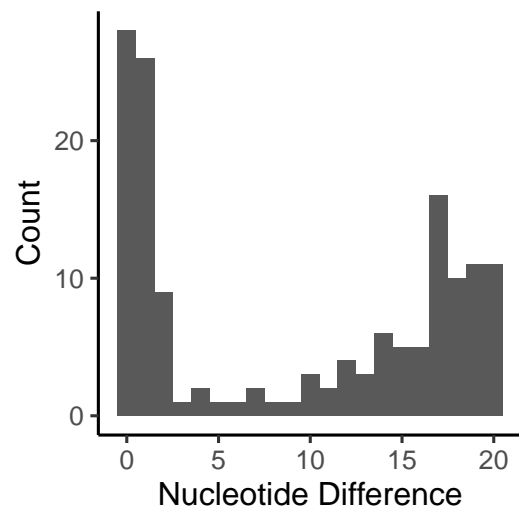
IGHV3-48*01

382 sequences assigned
65 (17%) exact matches, in which:
63 unique CDR3
4 unique J



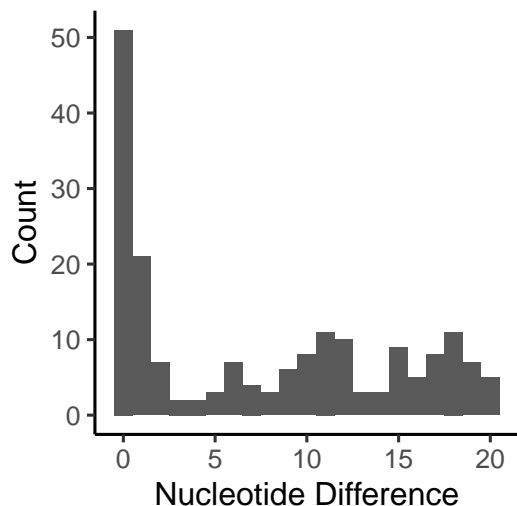
IGHV3-49*04

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



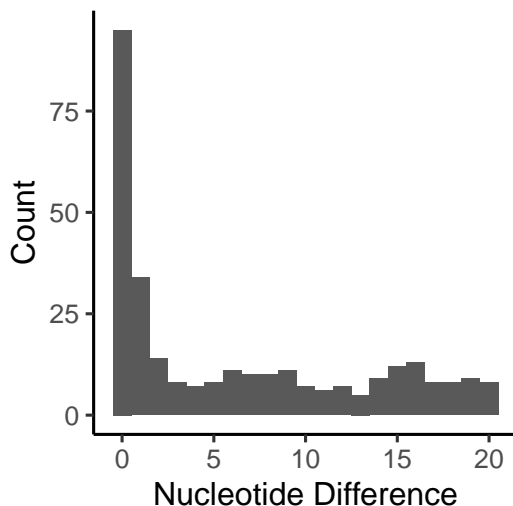
IGHV3-53*02

305 sequences assigned
51 (16.7%) exact matches, in which:
51 unique CDR3
5 unique J



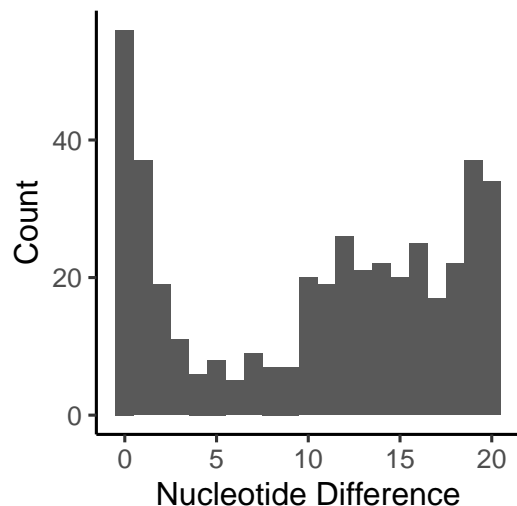
IGHV3-66*01

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



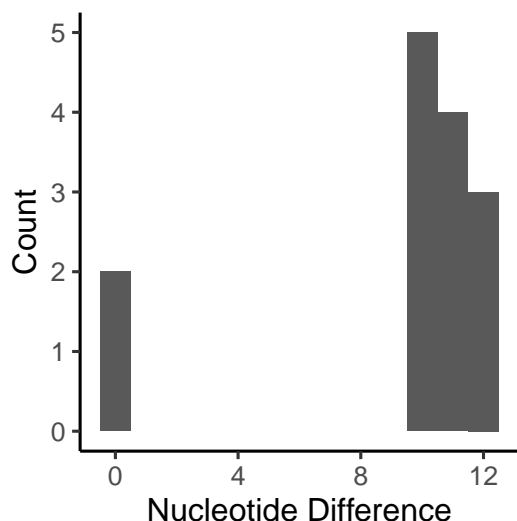
IGHV3-74*01

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



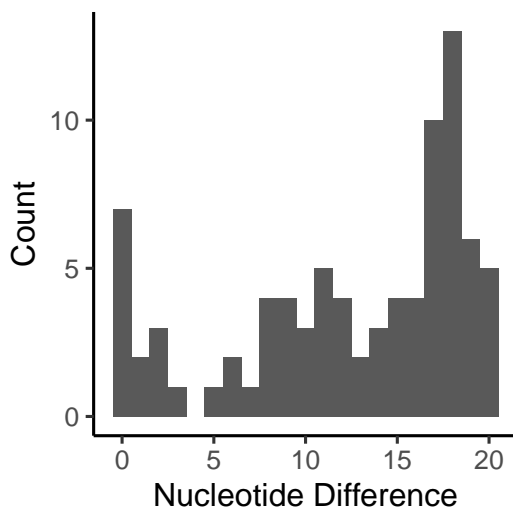
IGHV3-64*02

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



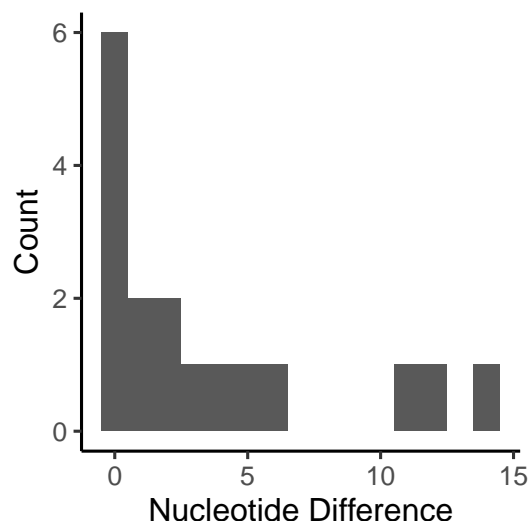
IGHV3-72*01

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



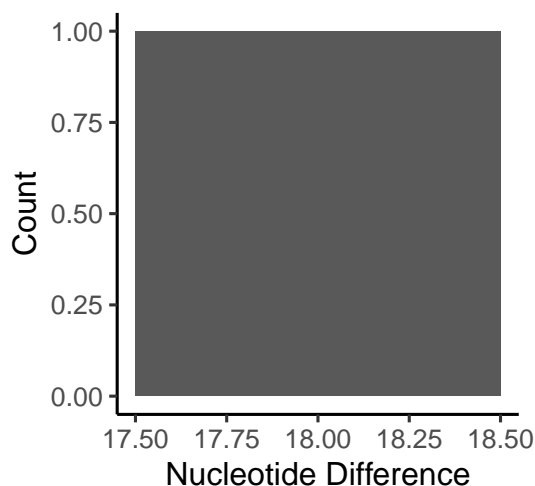
IGHV3-43D*04

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



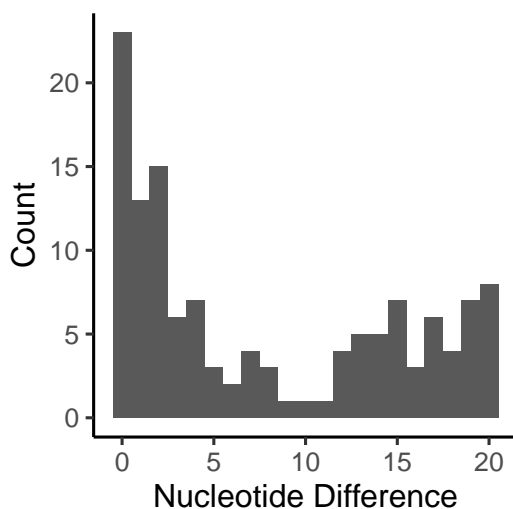
IGHV3-64*07

4 sequences assigned
No exact matches.



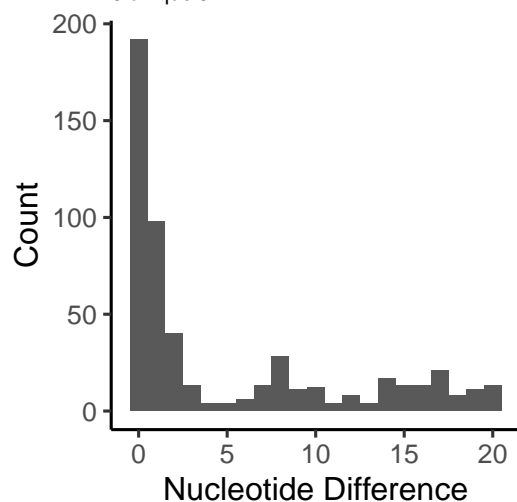
IGHV3-73*02

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



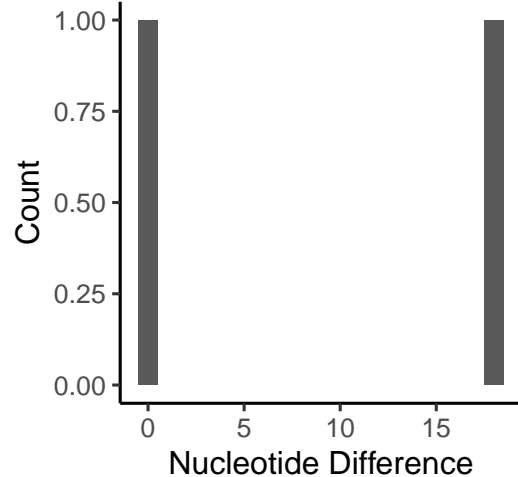
IGHV4-4*07

955 sequences assigned
192 (20.1%) exact matches, in which:
190 unique CDR3
6 unique J



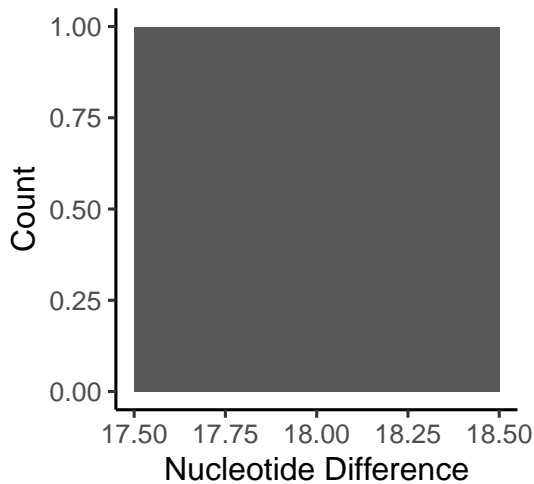
IGHV4-28*01

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



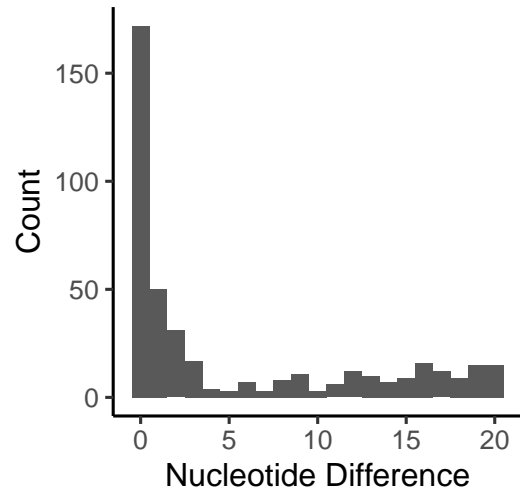
IGHV4-30-4*08

13 sequences assigned
No exact matches.



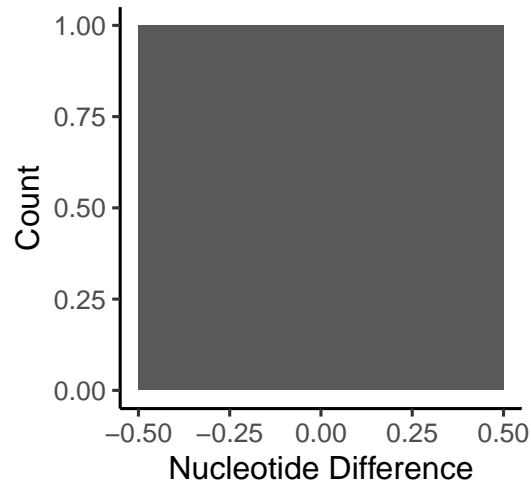
IGHV4-38-2*02_A70G

883 sequences assigned
172 (19.5%) exact matches, in which:
171 unique CDR3
6 unique J



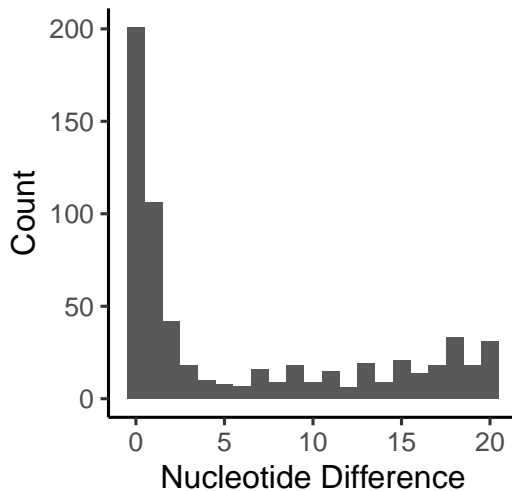
IGHV4-28*02

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



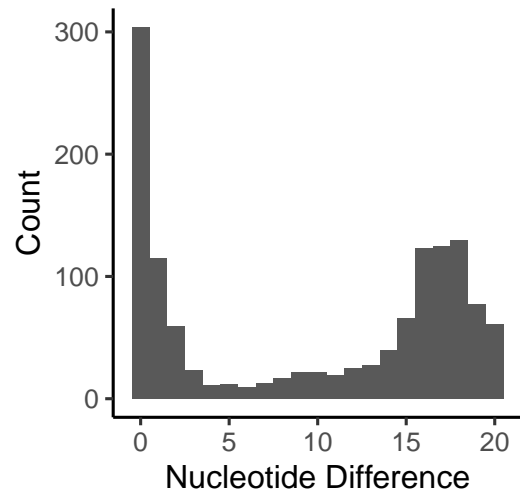
IGHV4-31*03

1562 sequences assigned
201 (12.9%) exact matches, in which:
196 unique CDR3
6 unique J



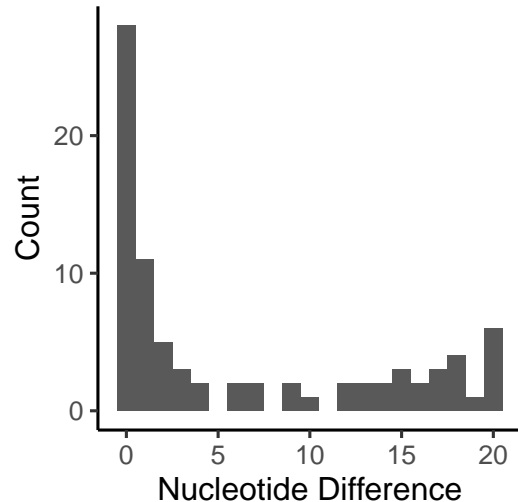
IGHV4-39*01

2305 sequences assigned
304 (13.2%) exact matches, in which:
292 unique CDR3
6 unique J



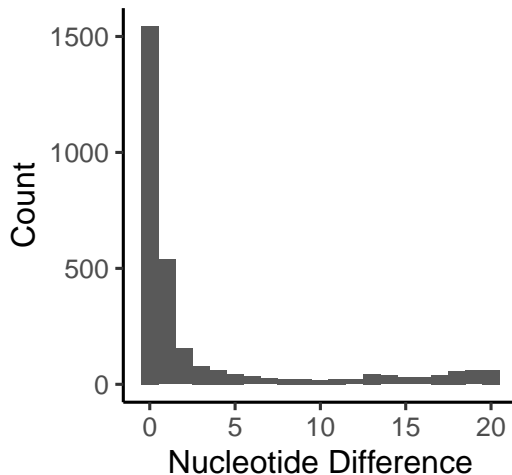
IGHV4-30-2*01

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



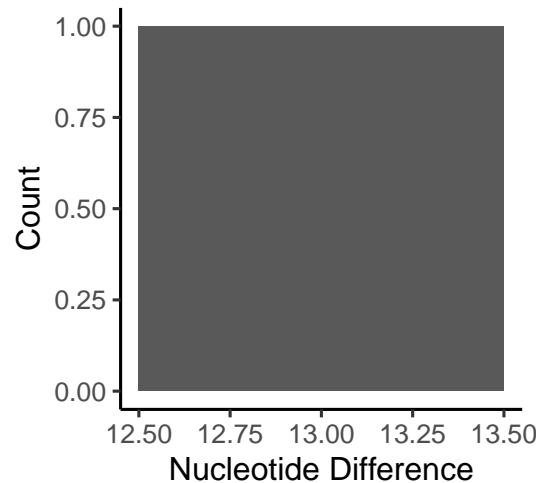
IGHV4-34*01

4446 sequences assigned
1545 (34.8%) exact matches, in which:
1527 unique CDR3
6 unique J



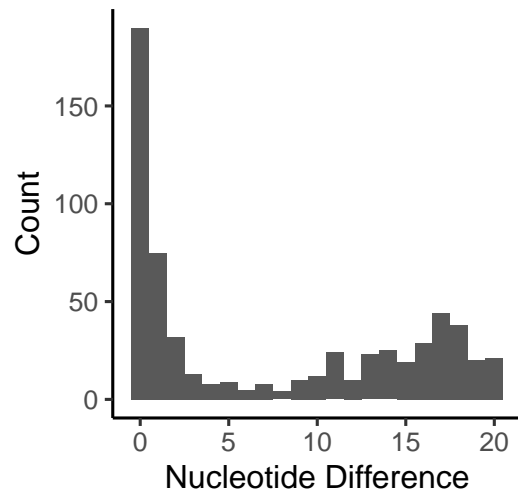
IGHV4-55*08

1 sequences assigned
No exact matches.



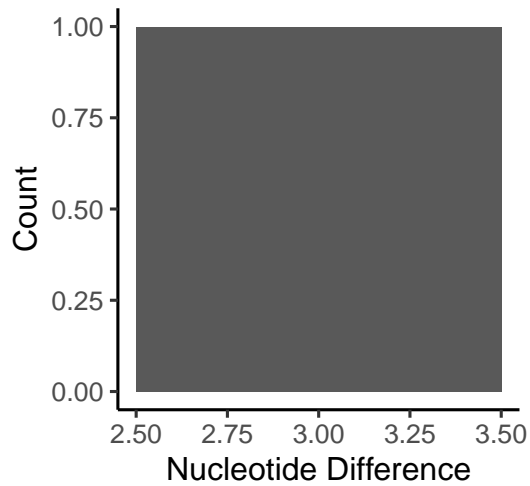
IGHV4–59*01

1299 sequences assigned
190 (14.6%) exact matches, in which:
185 unique CDR3
6 unique J



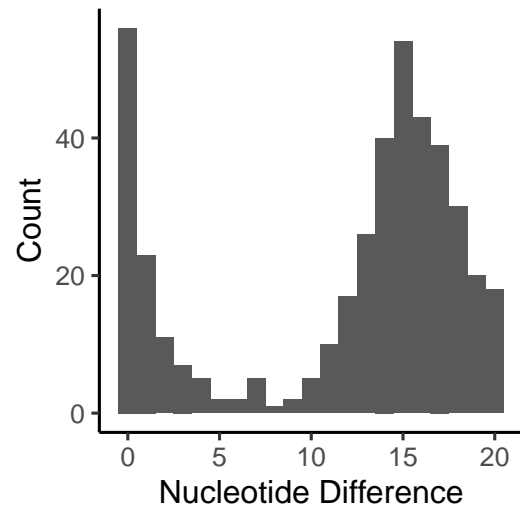
IGHV1/OR15–1*04

3 sequences assigned
No exact matches.



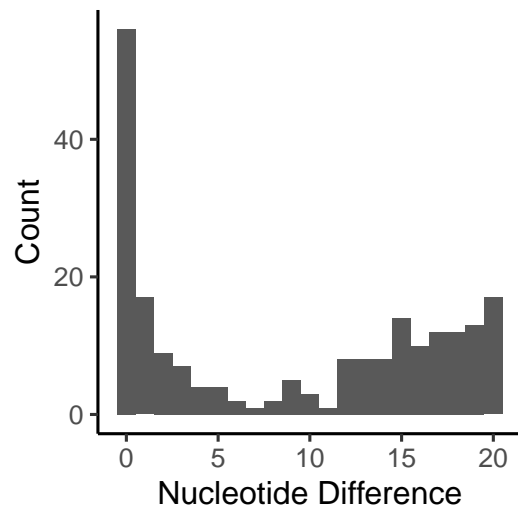
IGHV5–51*03

792 sequences assigned
56 (7.1%) exact matches, in which:
56 unique CDR3
6 unique J



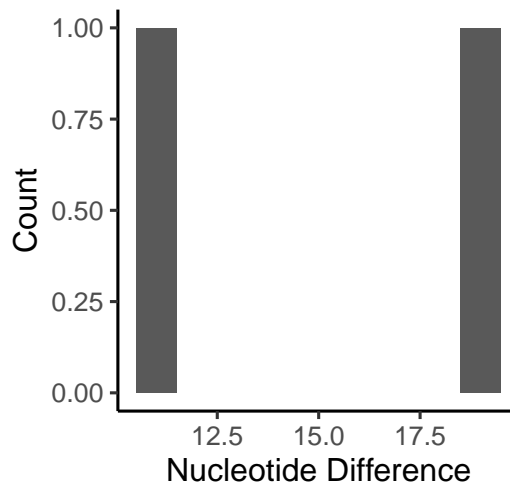
IGHV4–61*01

399 sequences assigned
56 (14%) exact matches, in which:
54 unique CDR3
5 unique J



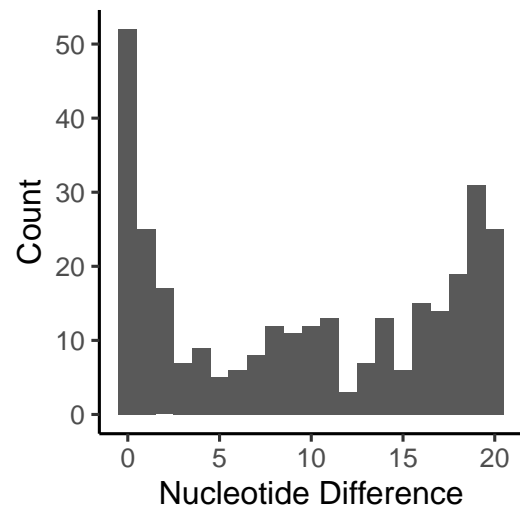
IGHV1/OR15–9*01

2 sequences assigned
No exact matches.



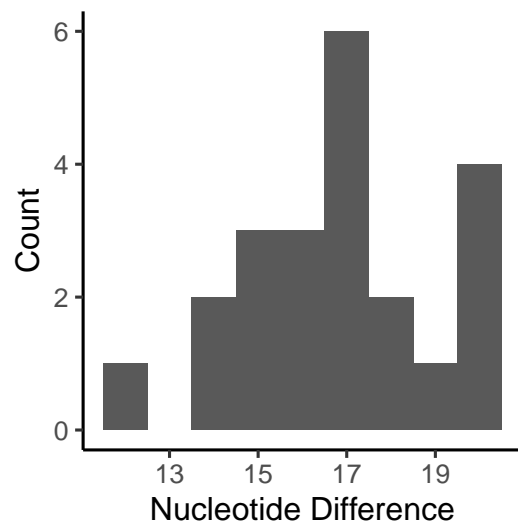
IGHV6–1*01

538 sequences assigned
52 (9.7%) exact matches, in which:
52 unique CDR3
5 unique J



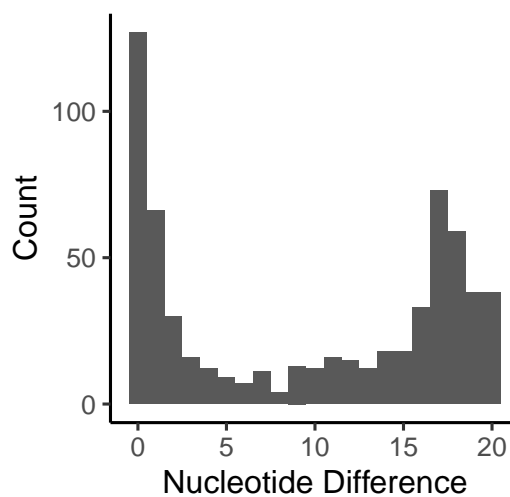
IGHV4–61*08

61 sequences assigned
No exact matches.



IGHV5–51*01

1003 sequences assigned
127 (12.7%) exact matches, in which:
127 unique CDR3
6 unique J



IGHV4-38-2*02_A70G

