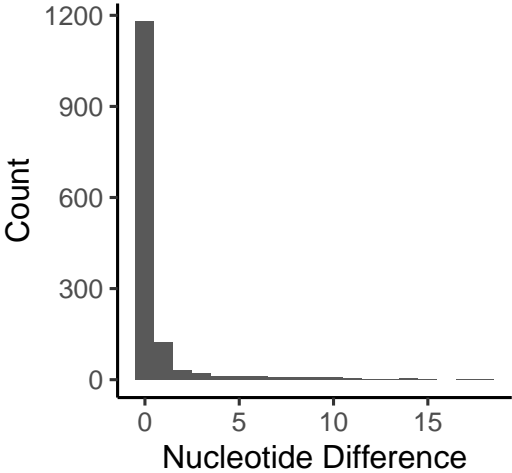


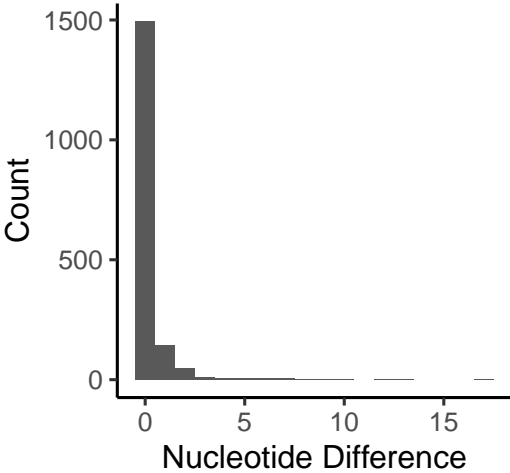
IGHV1-2*02

1440 sequences assigned
1180 (81.9%) exact matches, in which:
1092 unique CDR3
6 unique J



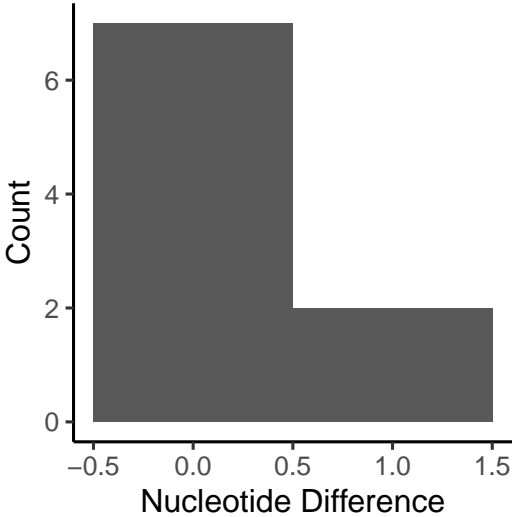
IGHV1-8*01

1739 sequences assigned
1494 (85.9%) exact matches, in which:
1378 unique CDR3
6 unique J



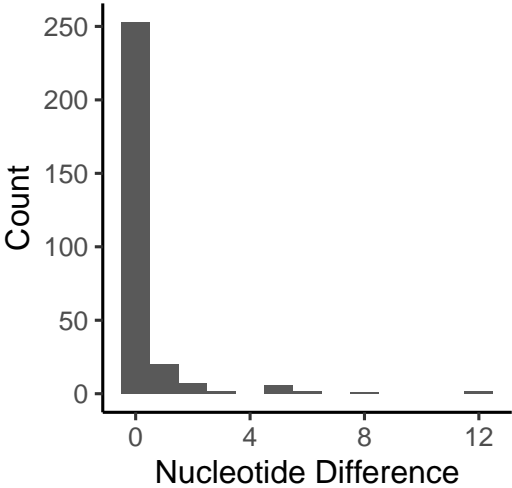
IGHV1-45*02

10 sequences assigned
7 (70%) exact matches, in which:
7 unique CDR3
4 unique J



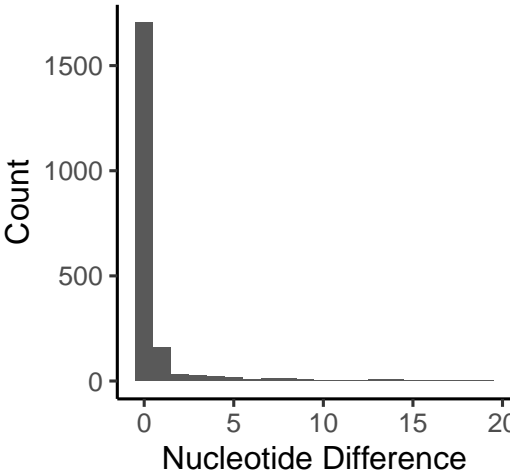
IGHV1-2*04

293 sequences assigned
253 (86.3%) exact matches, in which:
235 unique CDR3
6 unique J



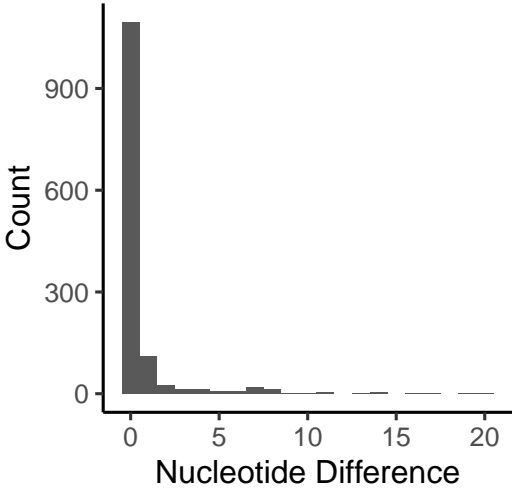
IGHV1-18*01

2023 sequences assigned
1704 (84.2%) exact matches, in which:
1597 unique CDR3
6 unique J



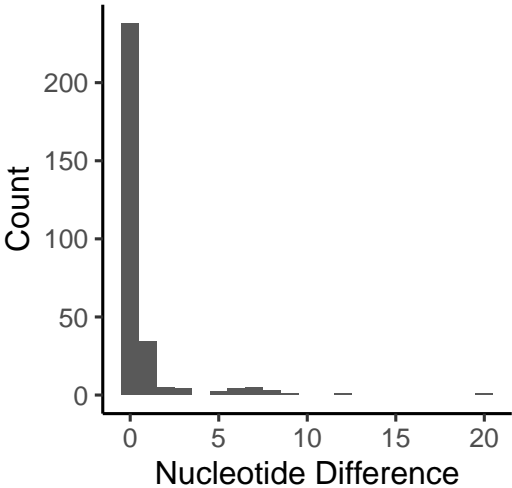
IGHV1-46*01

1326 sequences assigned
1096 (82.7%) exact matches, in which:
1033 unique CDR3
6 unique J



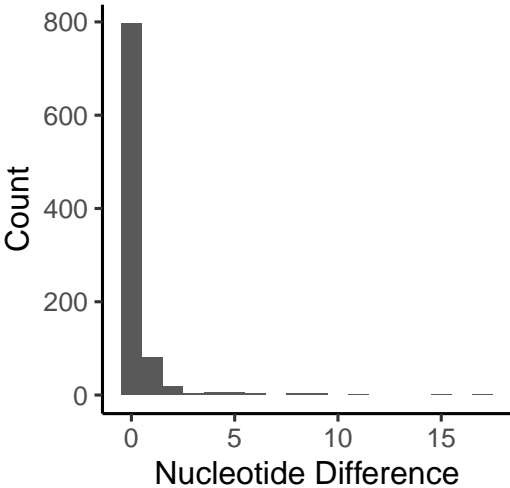
IGHV1-3*05

299 sequences assigned
238 (79.6%) exact matches, in which:
223 unique CDR3
6 unique J



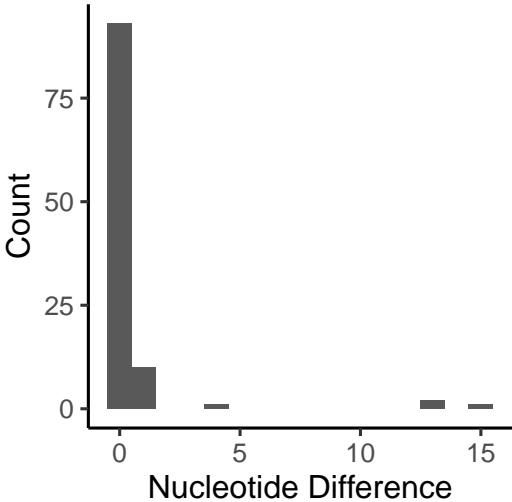
IGHV1-24*01

923 sequences assigned
797 (86.3%) exact matches, in which:
755 unique CDR3
6 unique J



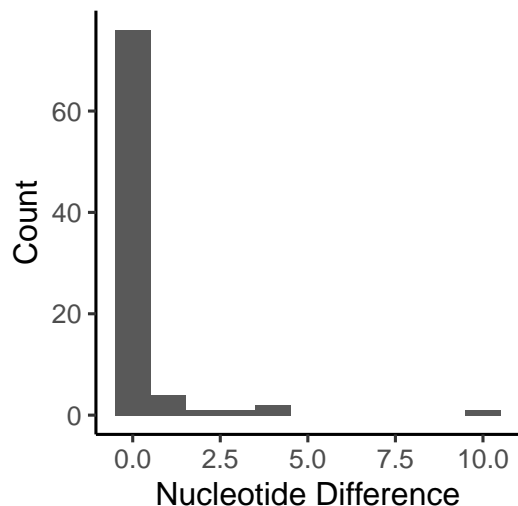
IGHV1-58*01

107 sequences assigned
93 (86.9%) exact matches, in which:
88 unique CDR3
6 unique J



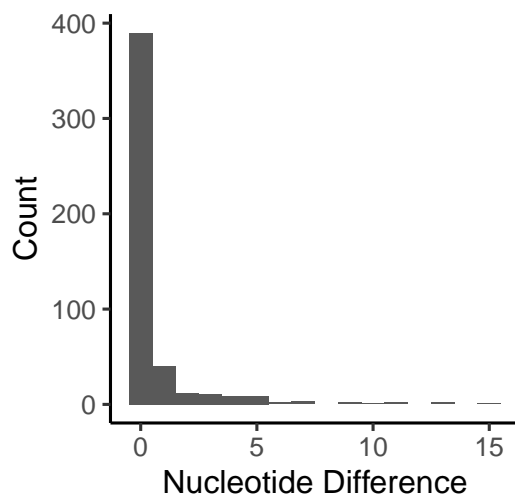
IGHV1–58*02

85 sequences assigned
76 (89.4%) exact matches, in which:
74 unique CDR3
6 unique J



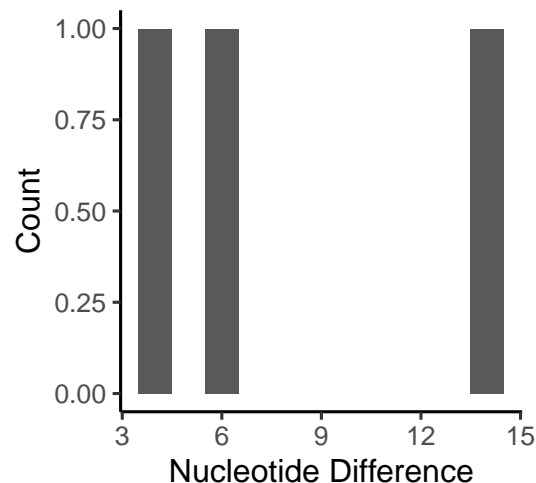
IGHV2–5*01

484 sequences assigned
390 (80.6%) exact matches, in which:
368 unique CDR3
6 unique J



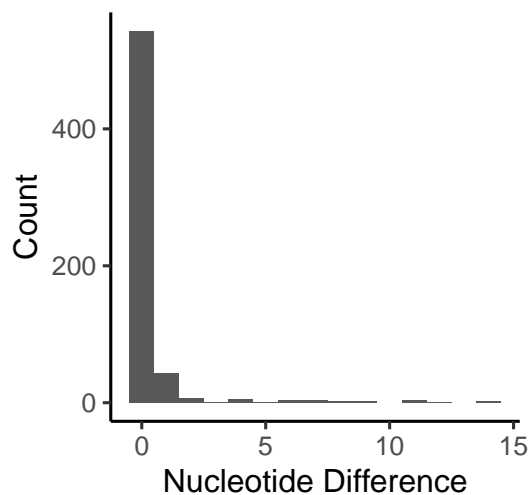
IGHV2–70D*04

3 sequences assigned
No exact matches.



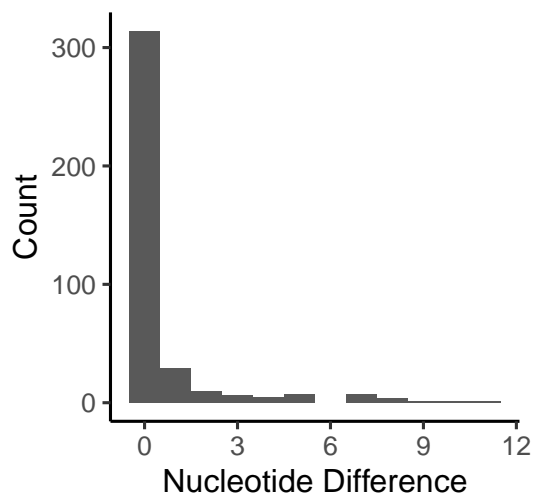
IGHV1–69*02

618 sequences assigned
543 (87.9%) exact matches, in which:
503 unique CDR3
6 unique J



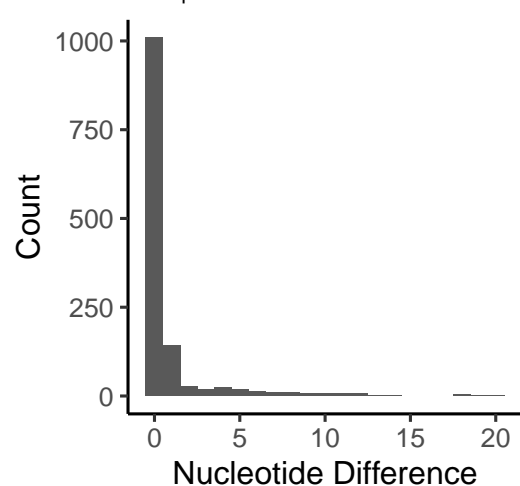
IGHV2–26*01

385 sequences assigned
314 (81.6%) exact matches, in which:
301 unique CDR3
5 unique J



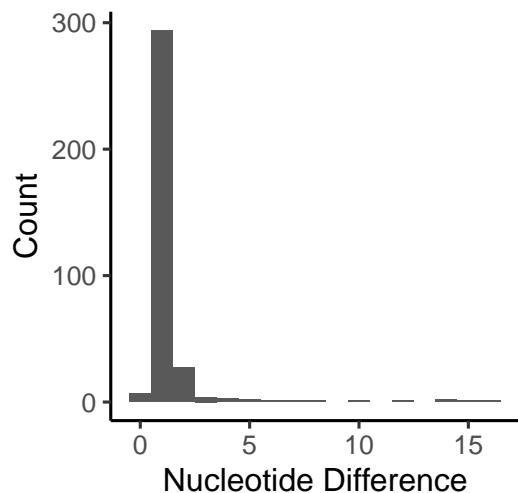
IGHV3–7*01

1314 sequences assigned
1009 (76.8%) exact matches, in which:
950 unique CDR3
6 unique J



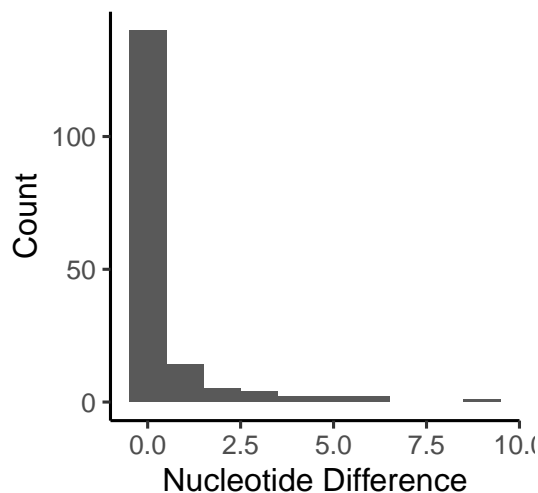
IGHV1–69*08

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



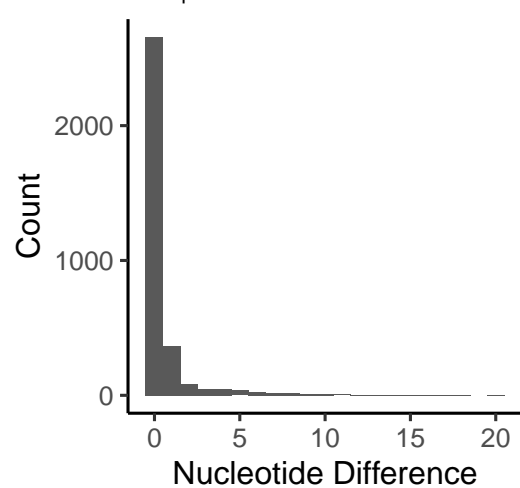
IGHV2–70*01

170 sequences assigned
140 (82.4%) exact matches, in which:
135 unique CDR3
5 unique J



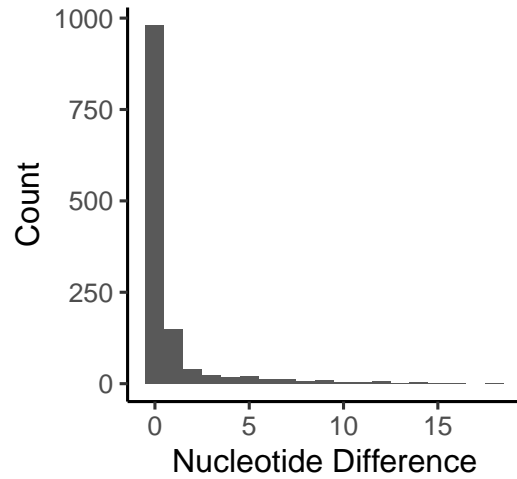
IGHV3–9*01

3340 sequences assigned
2657 (79.6%) exact matches, in which:
2420 unique CDR3
6 unique J



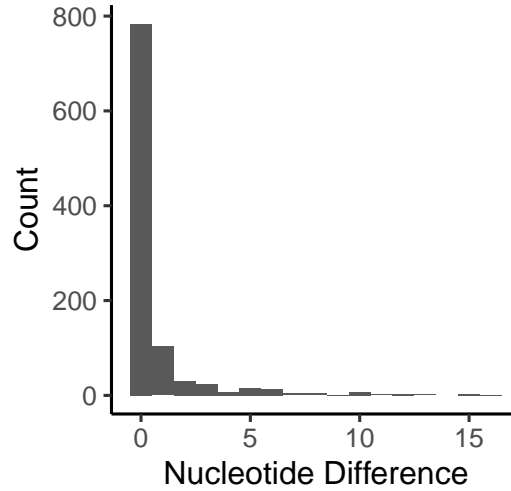
IGHV3-11*01

1295 sequences assigned
980 (75.7%) exact matches, in which:
924 unique CDR3
6 unique J



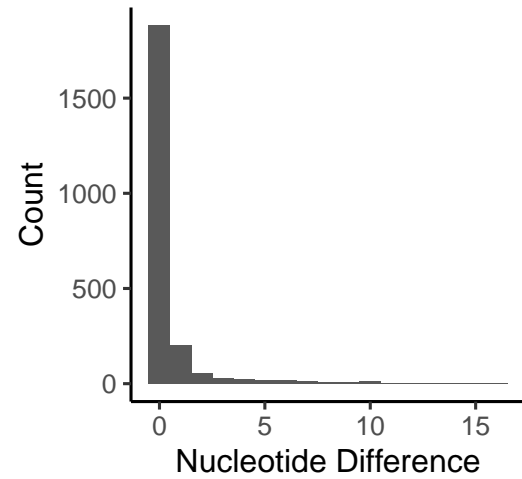
IGHV3-15*07

1005 sequences assigned
784 (78%) exact matches, in which:
747 unique CDR3
6 unique J



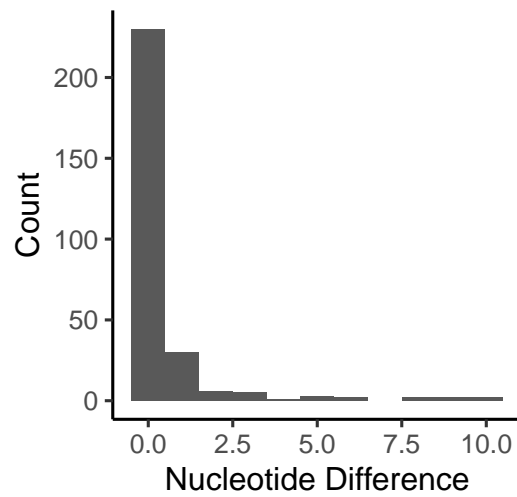
IGHV3-21*01

2280 sequences assigned
1882 (82.5%) exact matches, in which:
1721 unique CDR3
6 unique J



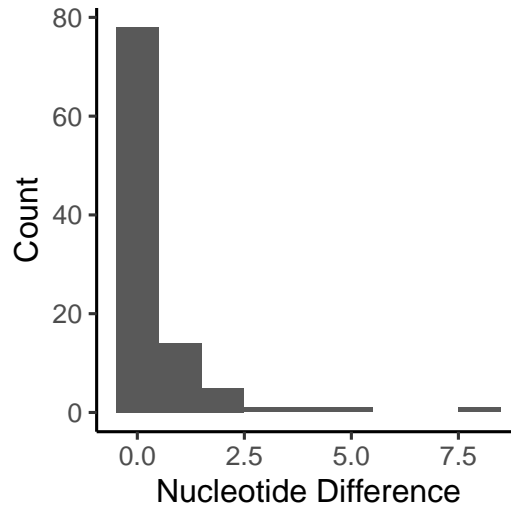
IGHV3-13*01

283 sequences assigned
230 (81.3%) exact matches, in which:
215 unique CDR3
5 unique J



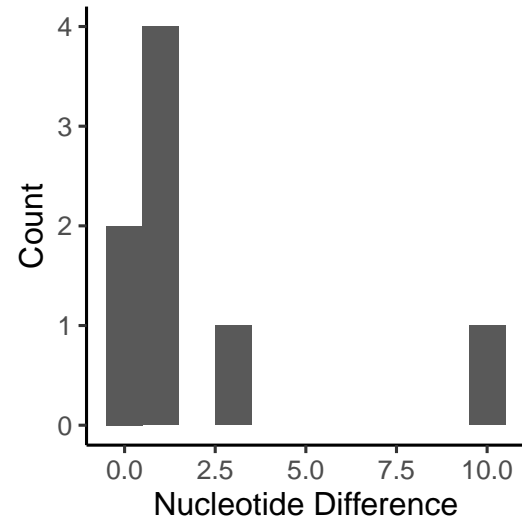
IGHV3-20*01

101 sequences assigned
78 (77.2%) exact matches, in which:
68 unique CDR3
6 unique J



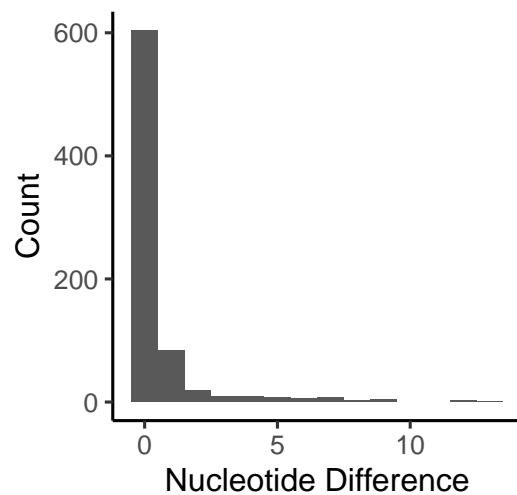
IGHV3-30-3*01

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



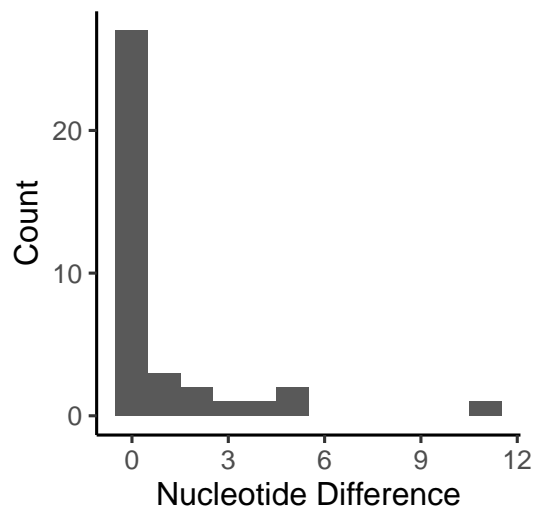
IGHV3-15*01

754 sequences assigned
604 (80.1%) exact matches, in which:
554 unique CDR3
6 unique J



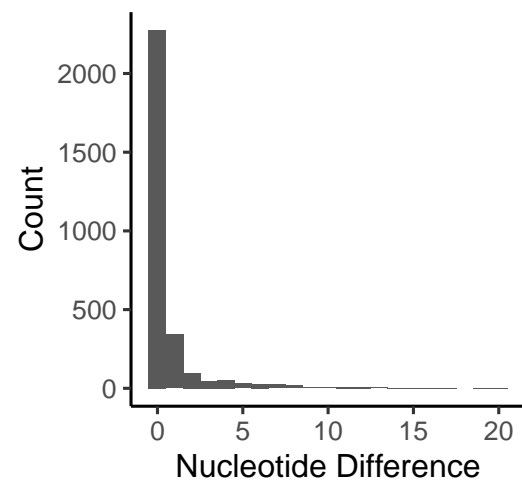
IGHV3-20*04

38 sequences assigned
27 (71.1%) exact matches, in which:
25 unique CDR3
5 unique J



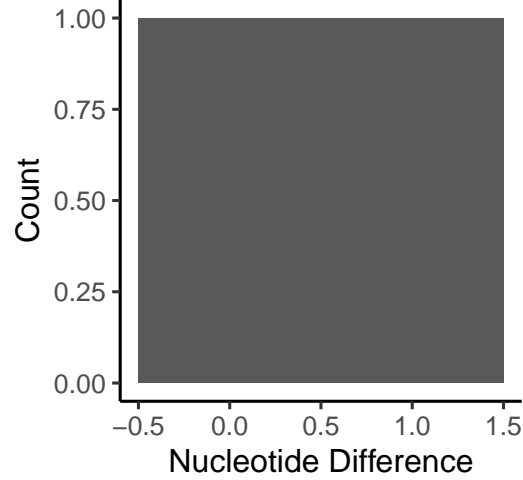
IGHV3-33*01

2958 sequences assigned
2276 (76.9%) exact matches, in which:
2092 unique CDR3
6 unique J



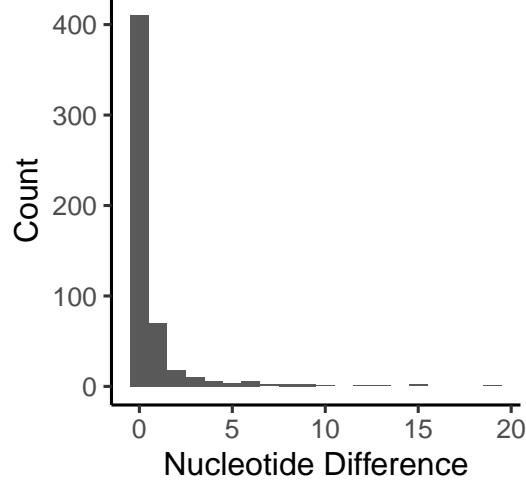
IGHV3–35*01

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



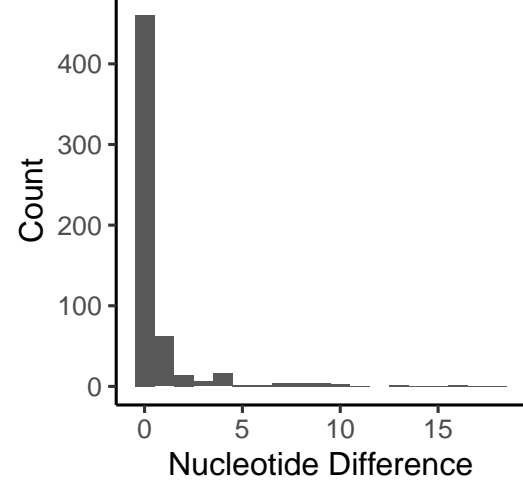
IGHV3–49*05

540 sequences assigned
411 (76.1%) exact matches, in which:
383 unique CDR3
6 unique J



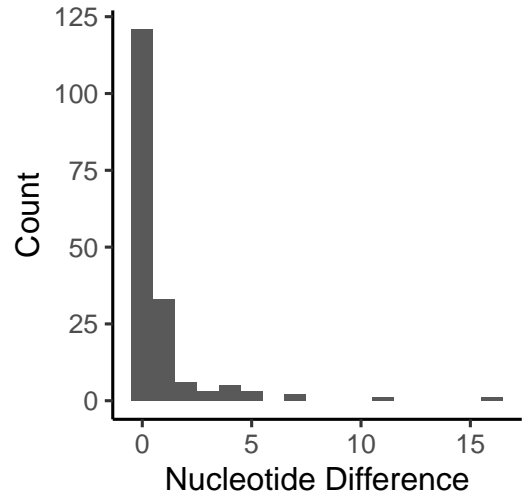
IGHV3–66*02

587 sequences assigned
461 (78.5%) exact matches, in which:
425 unique CDR3
6 unique J



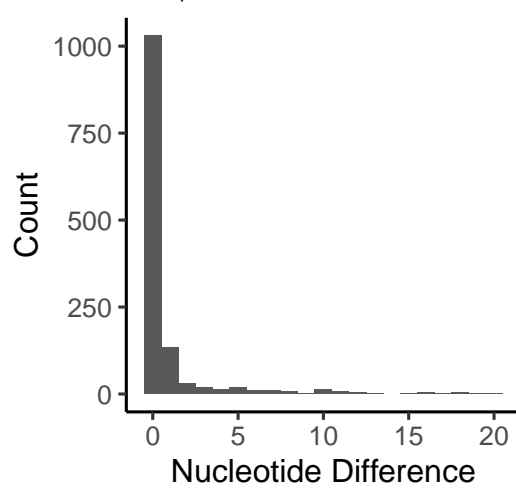
IGHV3–43*01

175 sequences assigned
121 (69.1%) exact matches, in which:
111 unique CDR3
6 unique J



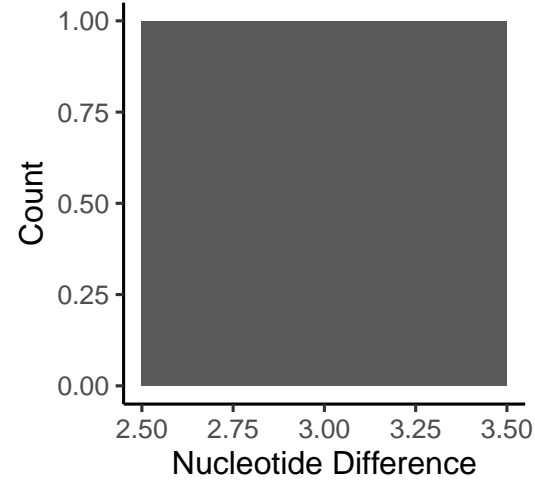
IGHV3–53*01

1315 sequences assigned
1030 (78.3%) exact matches, in which:
942 unique CDR3
6 unique J



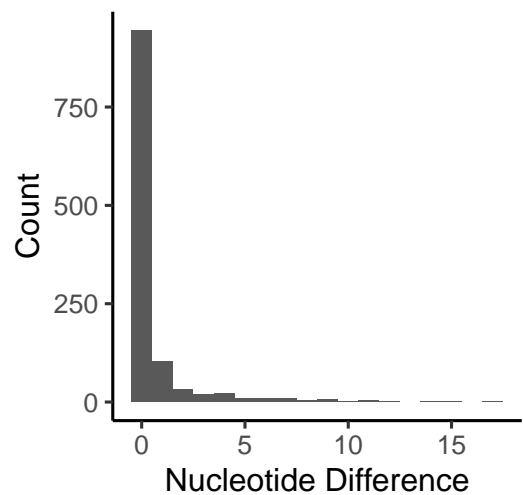
IGHV3–69–1*01

1 sequences assigned
No exact matches.



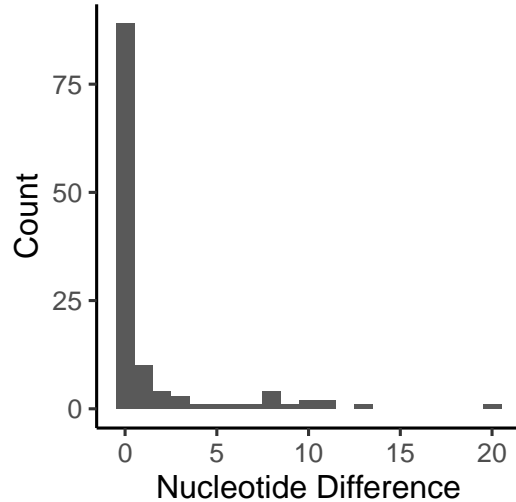
IGHV3–48*02

1168 sequences assigned
945 (80.9%) exact matches, in which:
885 unique CDR3
6 unique J



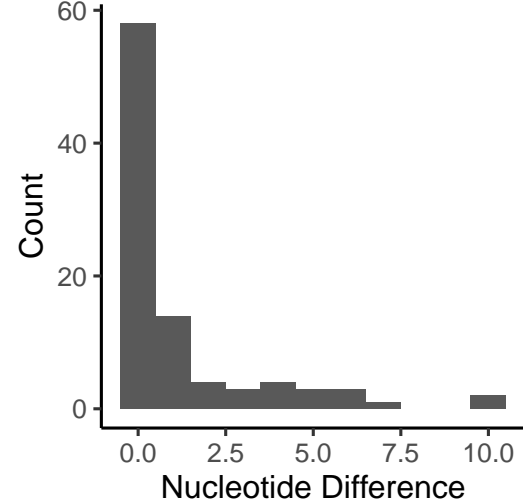
IGHV3–64*01

121 sequences assigned
89 (73.6%) exact matches, in which:
83 unique CDR3
6 unique J



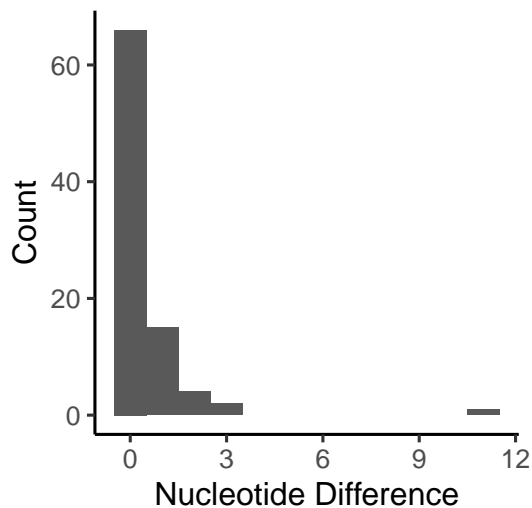
IGHV3–72*01

92 sequences assigned
58 (63%) exact matches, in which:
55 unique CDR3
5 unique J



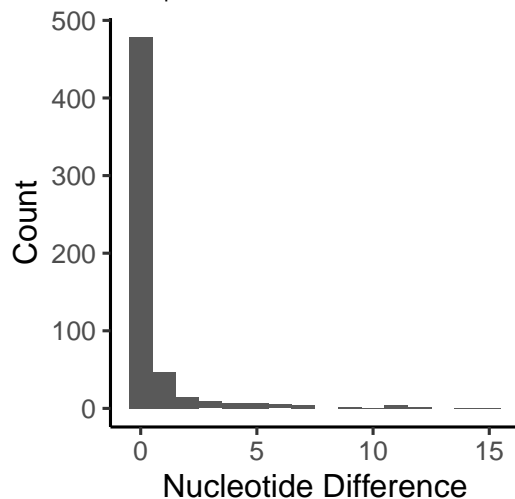
IGHV3-73*01

88 sequences assigned
66 (75%) exact matches, in which:
62 unique CDR3
5 unique J



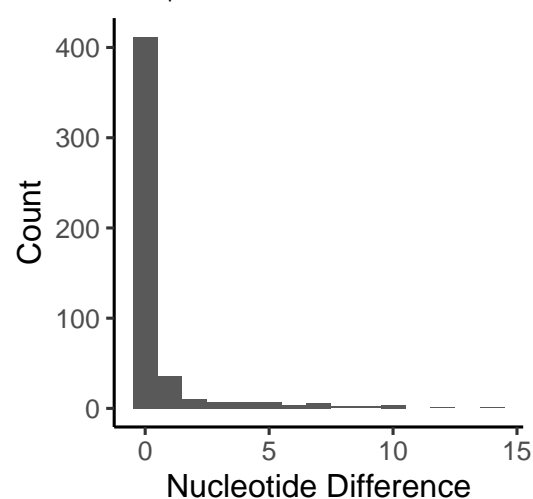
IGHV4-4*02

584 sequences assigned
479 (82%) exact matches, in which:
454 unique CDR3
6 unique J



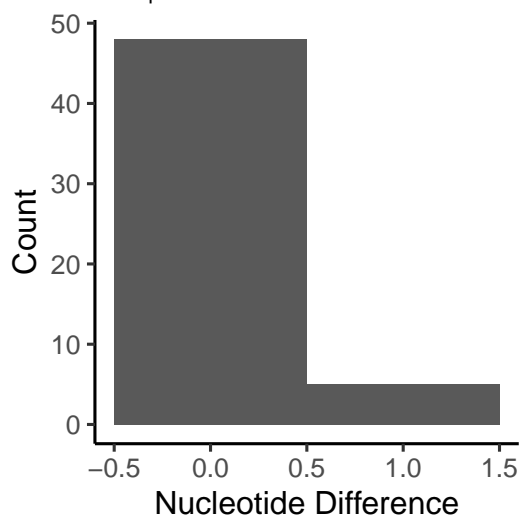
IGHV4-30-2*01

500 sequences assigned
412 (82.4%) exact matches, in which:
391 unique CDR3
6 unique J



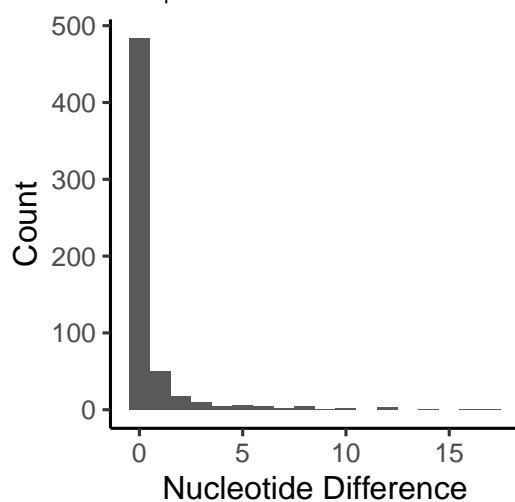
IGHV3-73*02

53 sequences assigned
48 (90.6%) exact matches, in which:
46 unique CDR3
4 unique J



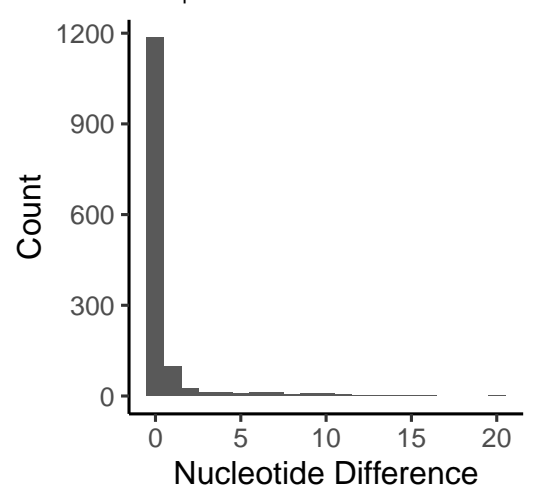
IGHV4-4*07

592 sequences assigned
484 (81.8%) exact matches, in which:
450 unique CDR3
6 unique J



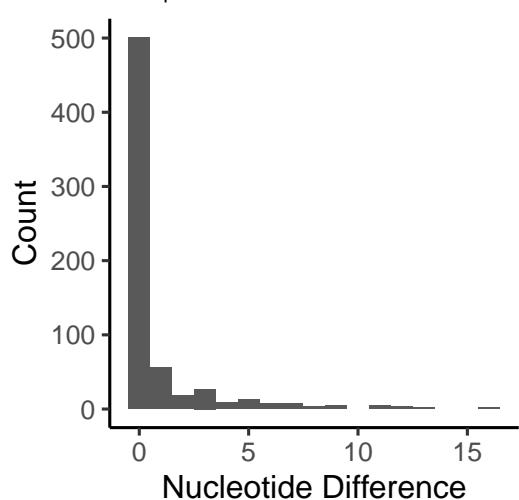
IGHV4-31*03

1402 sequences assigned
1185 (84.5%) exact matches, in which:
1124 unique CDR3
6 unique J



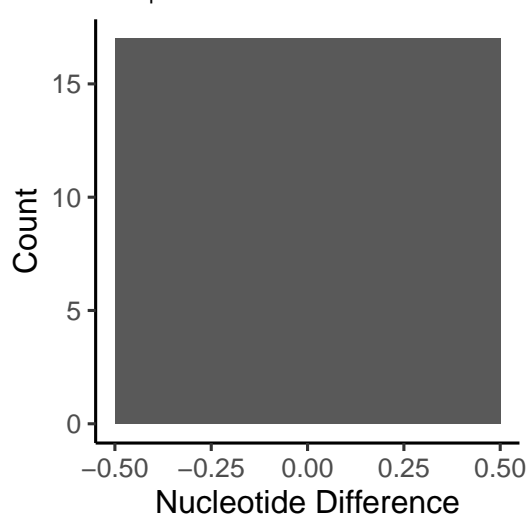
IGHV3-74*01

661 sequences assigned
501 (75.8%) exact matches, in which:
479 unique CDR3
6 unique J



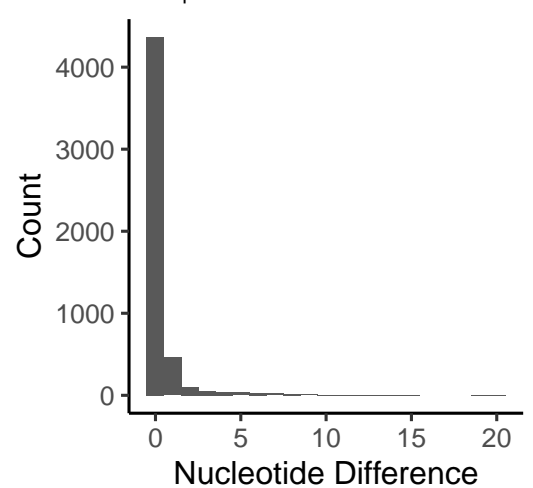
IGHV4-28*01

17 sequences assigned
17 (100%) exact matches, in which:
16 unique CDR3
6 unique J



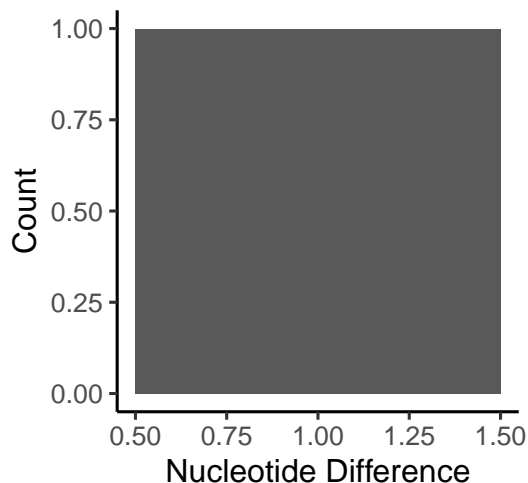
IGHV4-34*01

5160 sequences assigned
4367 (84.6%) exact matches, in which:
3969 unique CDR3
6 unique J



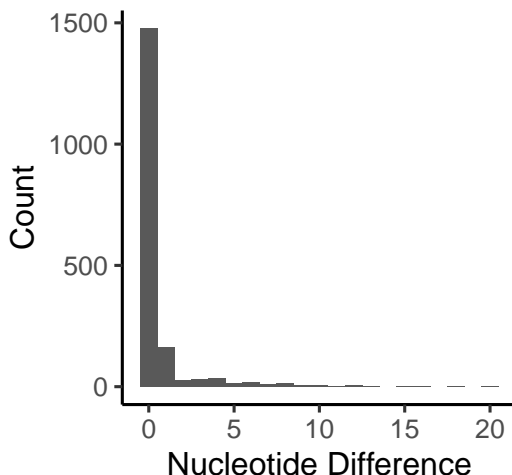
IGHV4-38-2*02

1 sequences assigned
No exact matches.



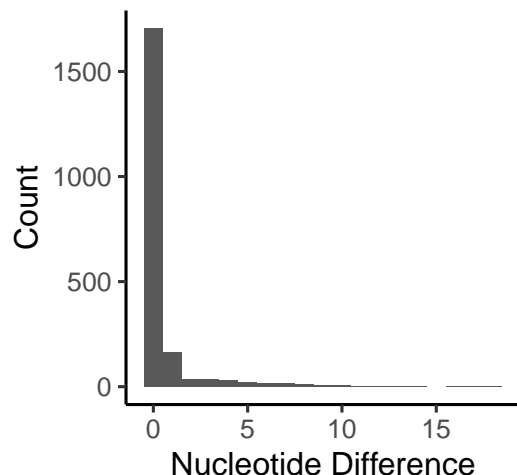
IGHV4-59*01

1817 sequences assigned
1477 (81.3%) exact matches, in which:
1408 unique CDR3
6 unique J



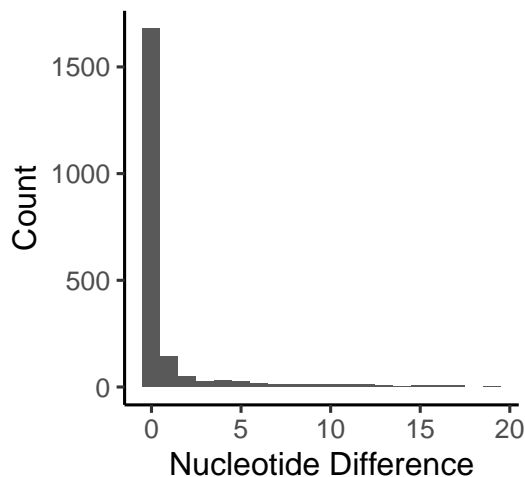
IGHV5-51*01

2074 sequences assigned
1705 (82.2%) exact matches, in which:
1582 unique CDR3
6 unique J



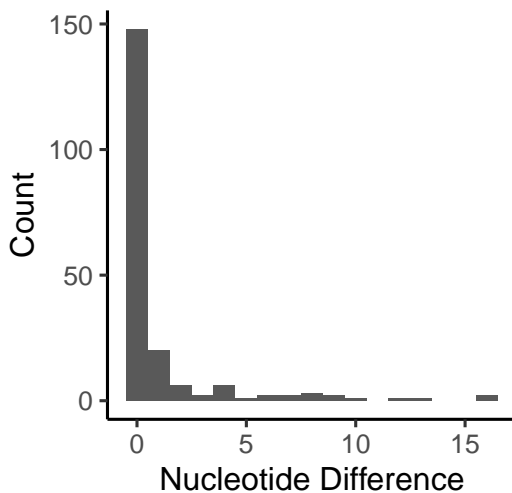
IGHV4-39*01

2066 sequences assigned
1679 (81.3%) exact matches, in which:
1504 unique CDR3
6 unique J



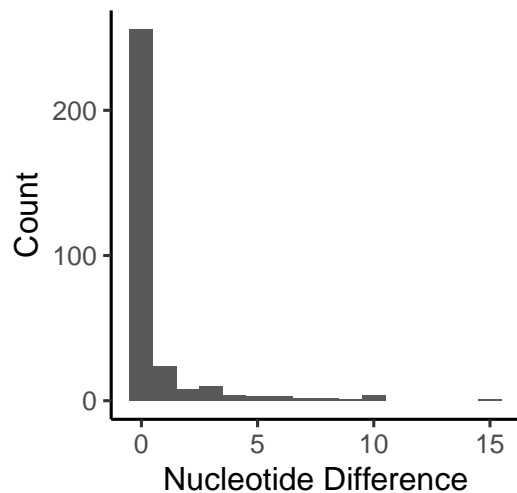
IGHV4-61*01

197 sequences assigned
148 (75.1%) exact matches, in which:
143 unique CDR3
5 unique J



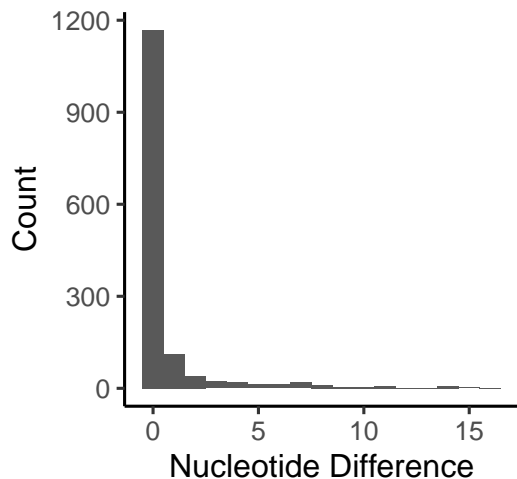
IGHV6-1*01

319 sequences assigned
256 (80.3%) exact matches, in which:
234 unique CDR3
6 unique J



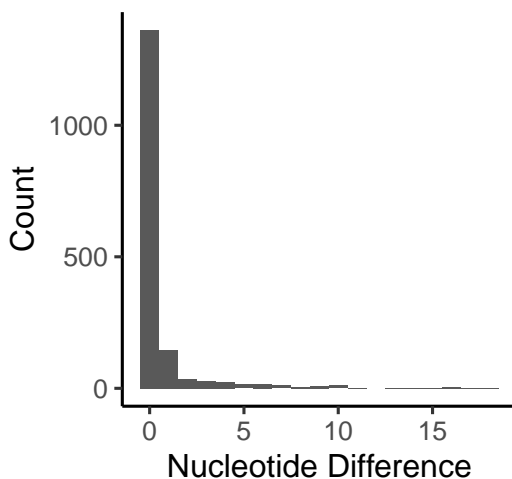
IGHV4-39*01_G315A

1449 sequences assigned
1168 (80.6%) exact matches, in which:
1063 unique CDR3
6 unique J



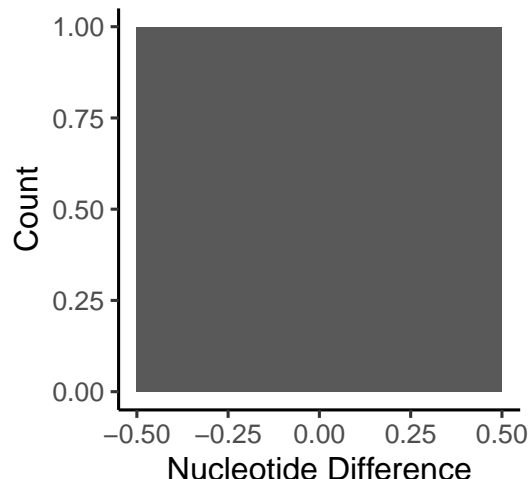
IGHV4-61*02

1676 sequences assigned
1362 (81.3%) exact matches, in which:
1299 unique CDR3
6 unique J



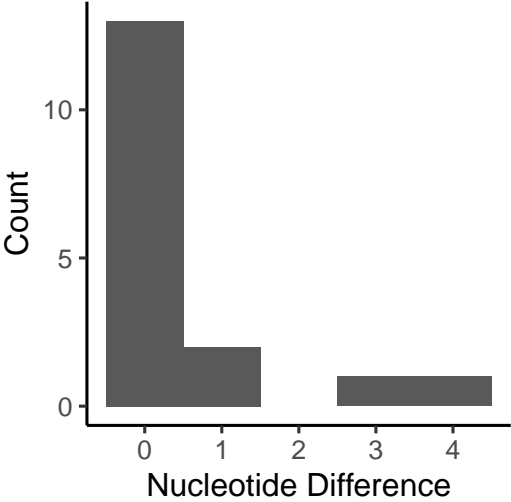
IGHV3/OR16-8*01

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



IGHV7-4-1*01

17 sequences assigned
13 (76.5%) exact matches, in which:
13 unique CDR3
4 unique J





Warning – no inferred sequences found.