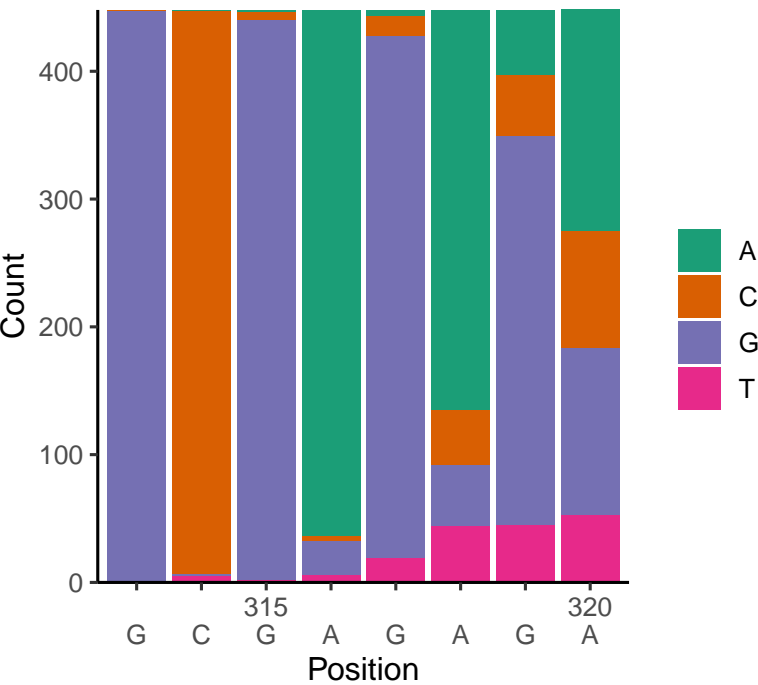


Gene IGHV1-69*08_C191T



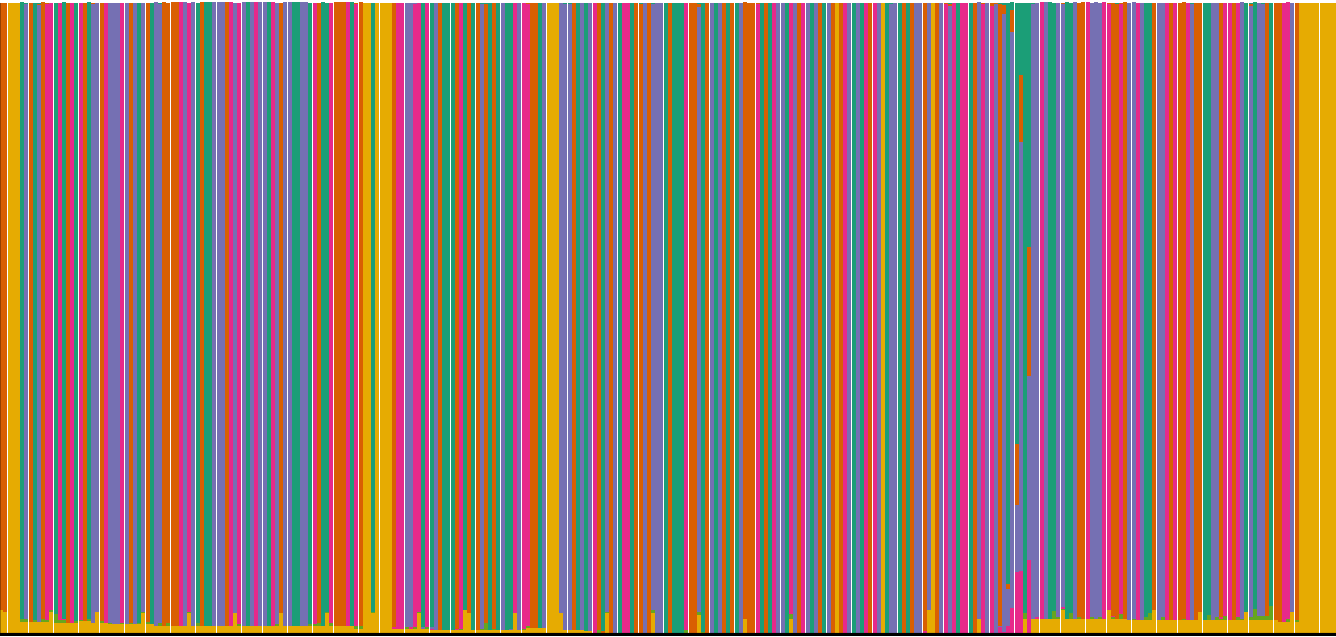
Gene IGHV1-69*08_C191T

Count

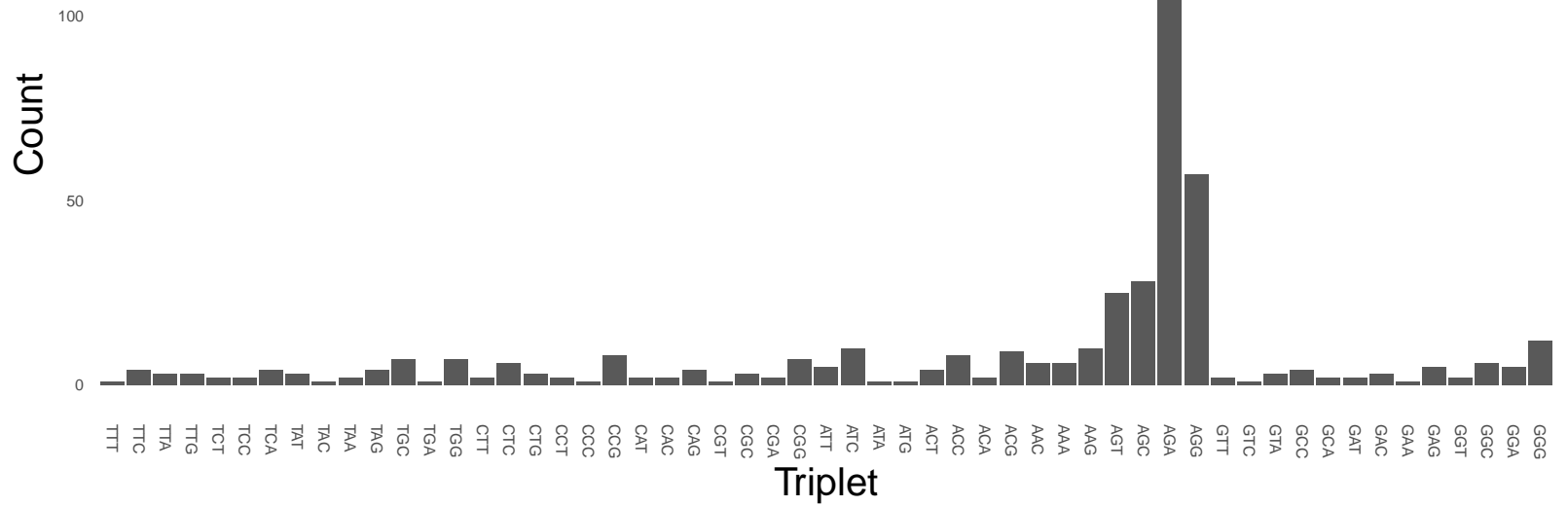
400
300
200
100
0

Position

- A
- C
- G
- T
- N
- .
-

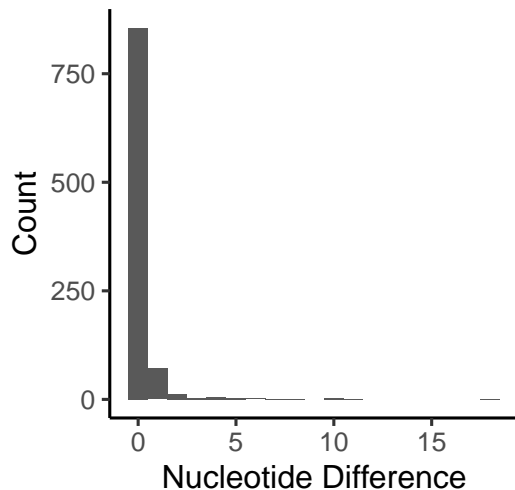


IGHV1-69*08_C191T- Final 3 nucleotides as a triplet



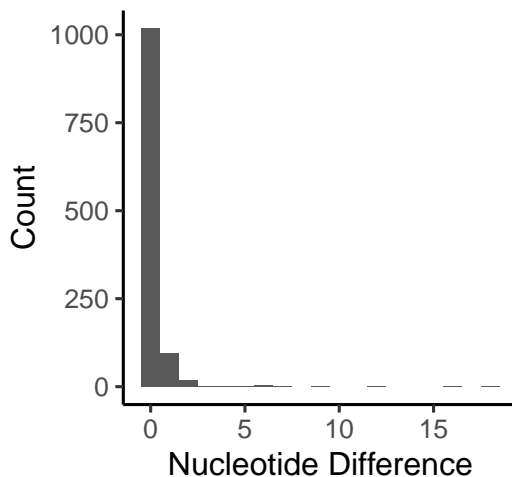
IGHV1-2*02

965 sequences assigned
856 (88.7%) exact matches, in which:
830 unique CDR3
6 unique J



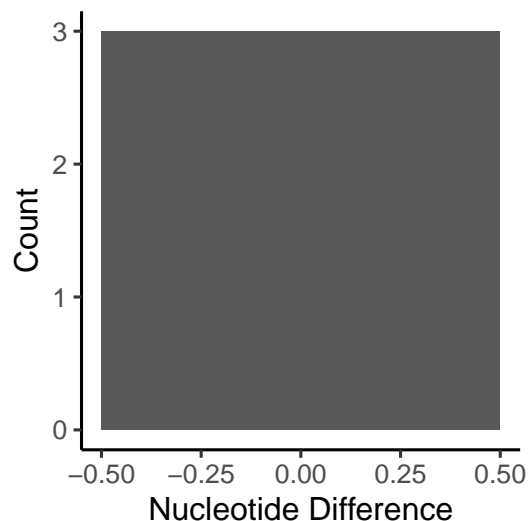
IGHV1-8*01

1144 sequences assigned
1018 (89%) exact matches, in which:
979 unique CDR3
6 unique J



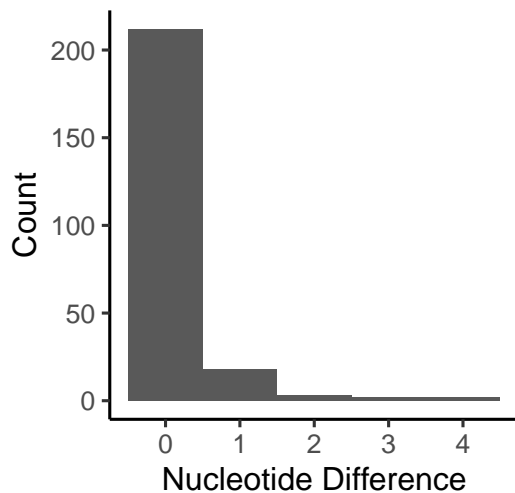
IGHV1-45*02

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



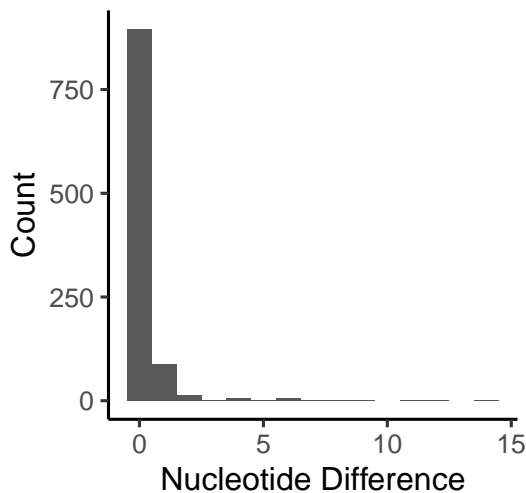
IGHV1-2*04

237 sequences assigned
212 (89.5%) exact matches, in which:
200 unique CDR3
6 unique J



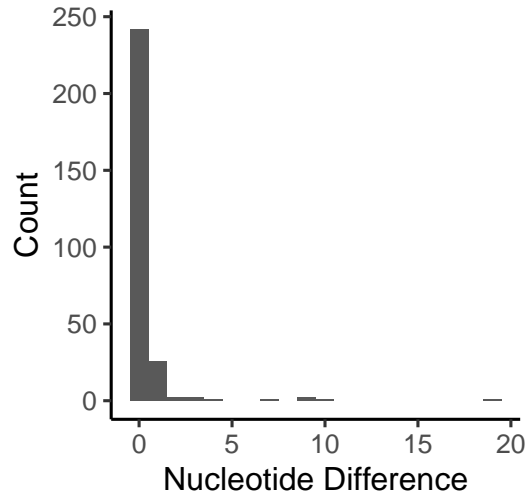
IGHV1-18*01

1023 sequences assigned
896 (87.6%) exact matches, in which:
872 unique CDR3
6 unique J



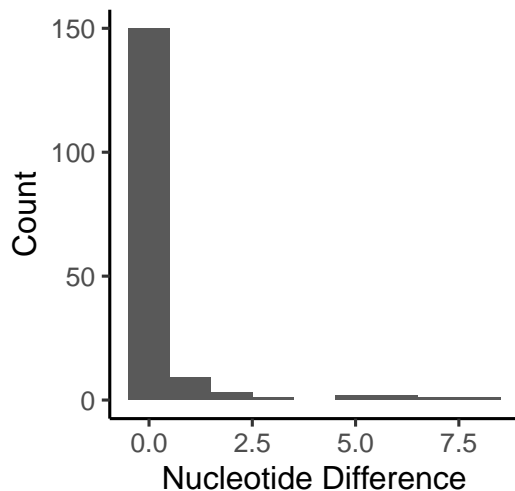
IGHV1-46*01

285 sequences assigned
242 (84.9%) exact matches, in which:
233 unique CDR3
6 unique J



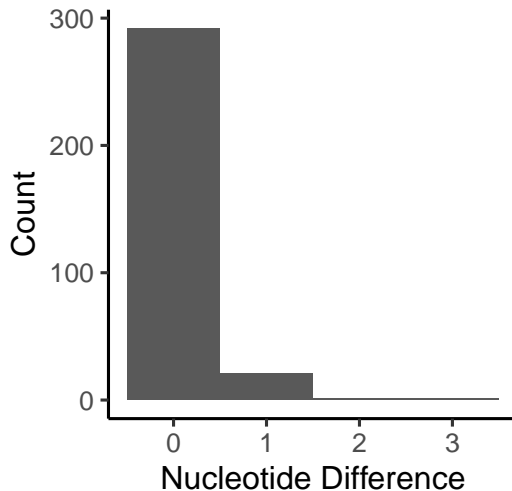
IGHV1-3*05

169 sequences assigned
150 (88.8%) exact matches, in which:
148 unique CDR3
6 unique J



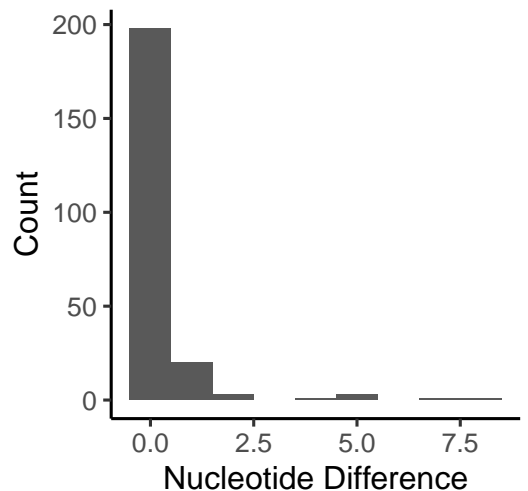
IGHV1-24*01

315 sequences assigned
292 (92.7%) exact matches, in which:
279 unique CDR3
6 unique J



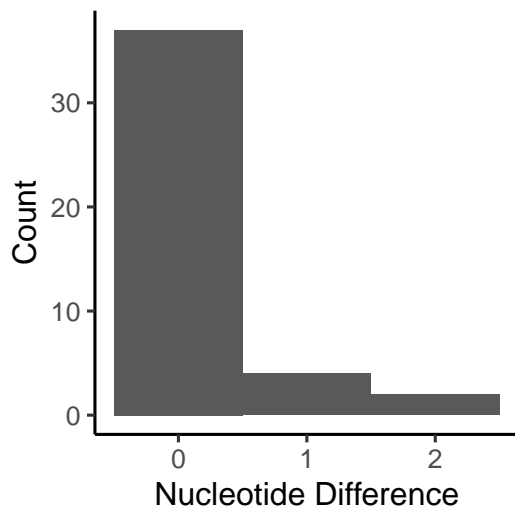
IGHV1-46*03

227 sequences assigned
198 (87.2%) exact matches, in which:
189 unique CDR3
6 unique J



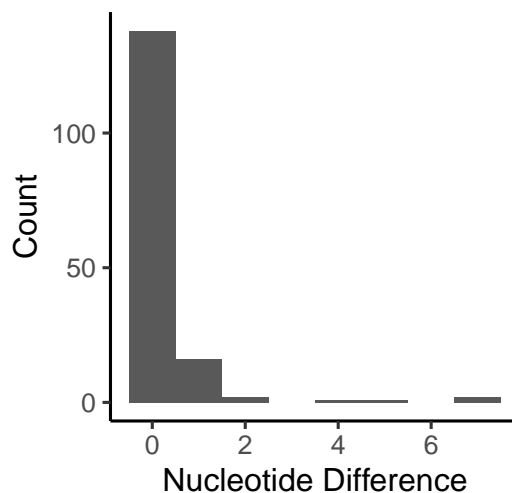
IGHV1–58*01

43 sequences assigned
37 (86%) exact matches, in which:
37 unique CDR3
4 unique J



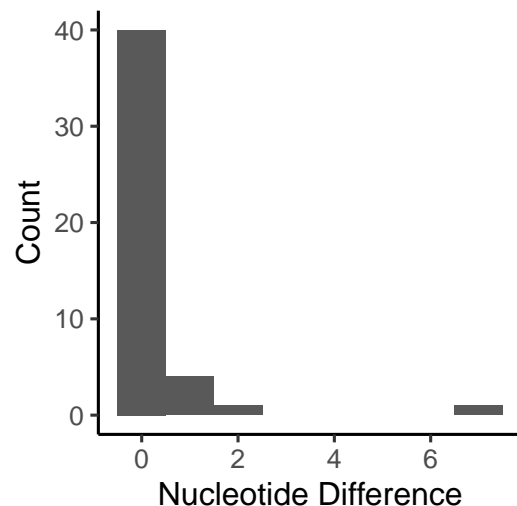
IGHV2–5*01

160 sequences assigned
138 (86.2%) exact matches, in which:
136 unique CDR3
6 unique J



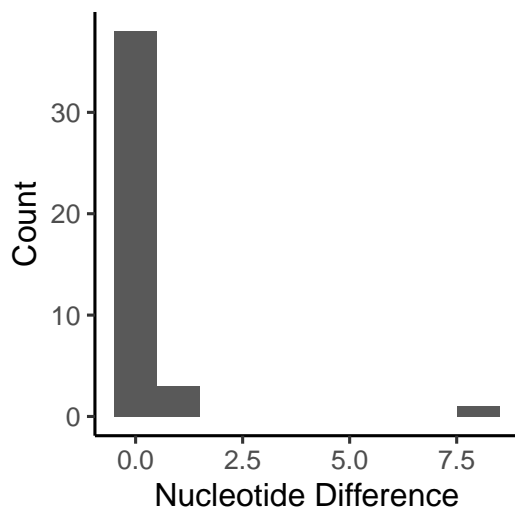
IGHV2–70*01

46 sequences assigned
40 (87%) exact matches, in which:
39 unique CDR3
5 unique J



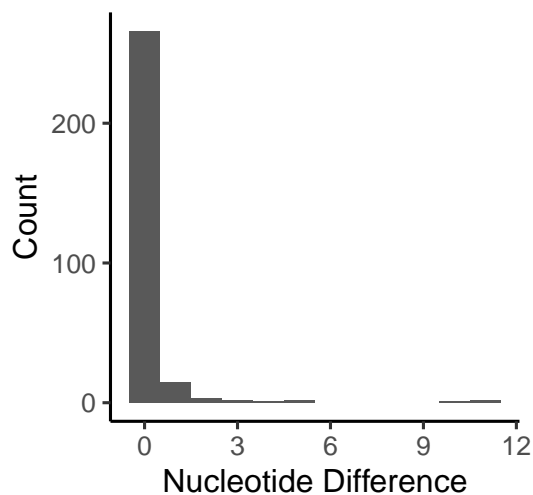
IGHV1–58*02

42 sequences assigned
38 (90.5%) exact matches, in which:
38 unique CDR3
6 unique J



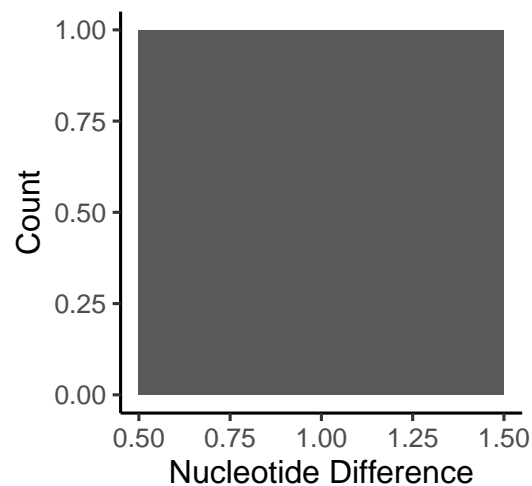
IGHV2–5*02

293 sequences assigned
266 (90.8%) exact matches, in which:
263 unique CDR3
6 unique J



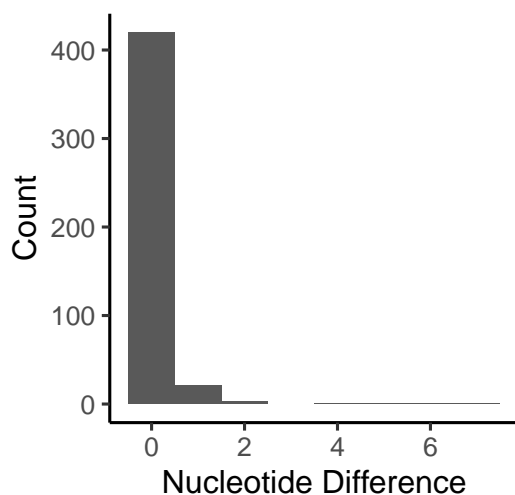
IGHV2–70D*04

1 sequences assigned
No exact matches.



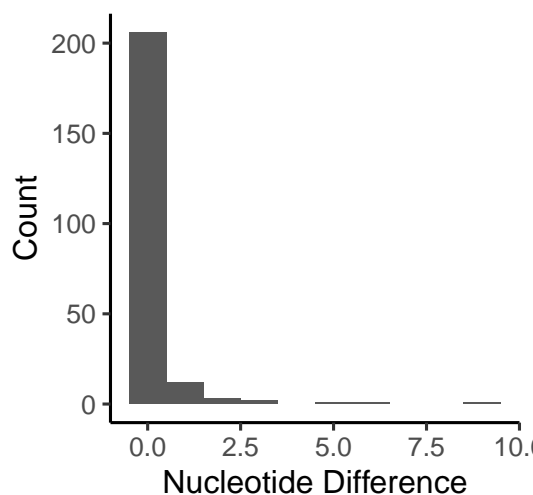
IGHV1–69*08_C191T

448 sequences assigned
420 (93.8%) exact matches, in which:
401 unique CDR3
6 unique J



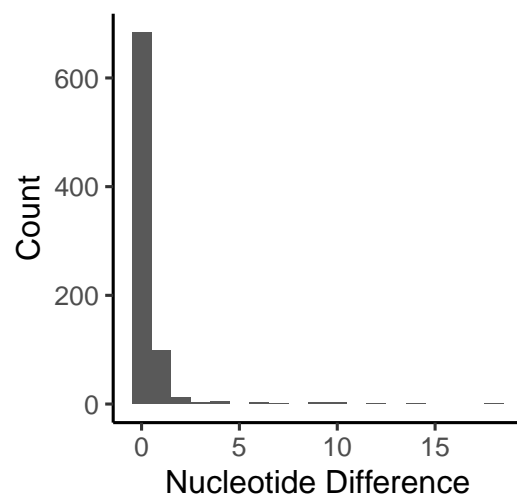
IGHV2–26*01

226 sequences assigned
206 (91.2%) exact matches, in which:
203 unique CDR3
6 unique J



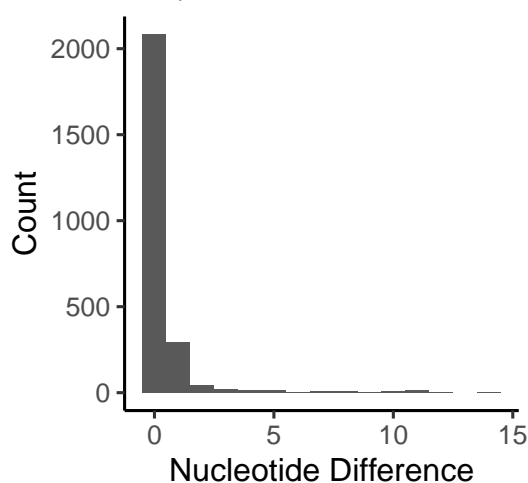
IGHV3–7*01

812 sequences assigned
684 (84.2%) exact matches, in which:
663 unique CDR3
6 unique J



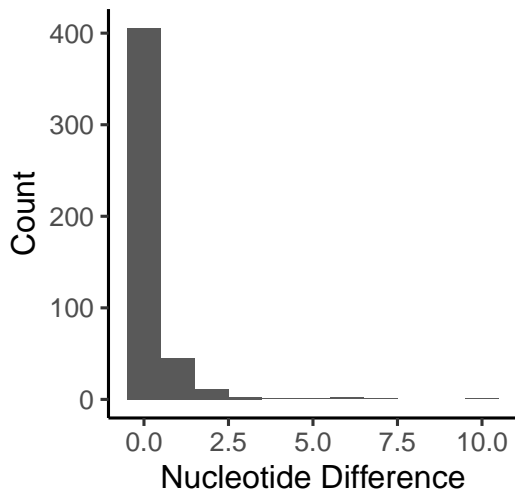
IGHV3-9*01

2506 sequences assigned
2083 (83.1%) exact matches, in which:
1973 unique CDR3
6 unique J



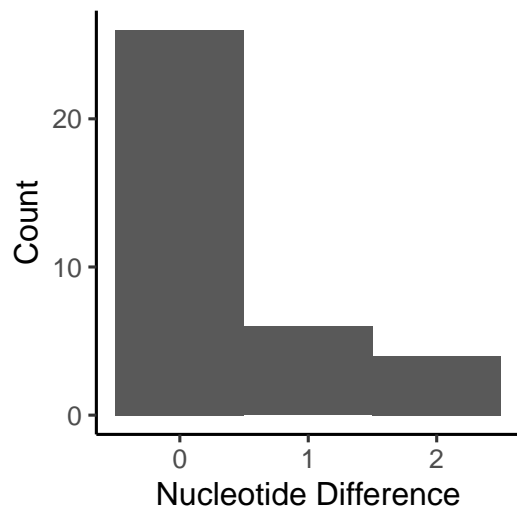
IGHV3-15*01

472 sequences assigned
406 (86%) exact matches, in which:
389 unique CDR3
6 unique J



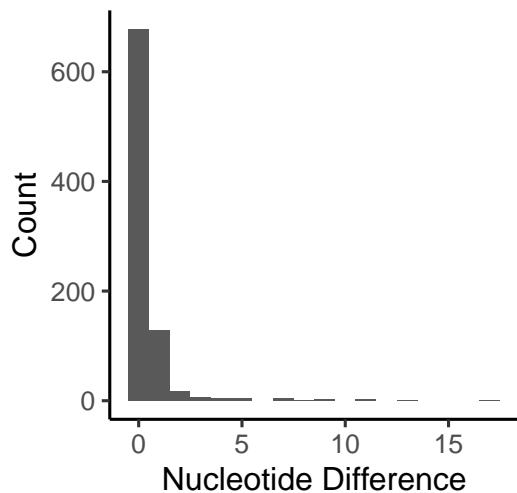
IGHV3-20*04

36 sequences assigned
26 (72.2%) exact matches, in which:
25 unique CDR3
3 unique J



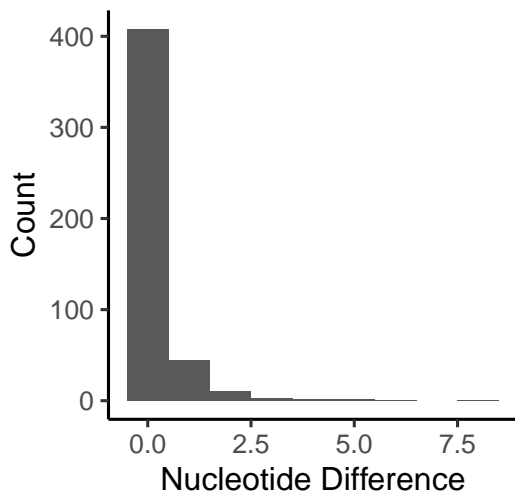
IGHV3-11*01

852 sequences assigned
678 (79.6%) exact matches, in which:
648 unique CDR3
6 unique J



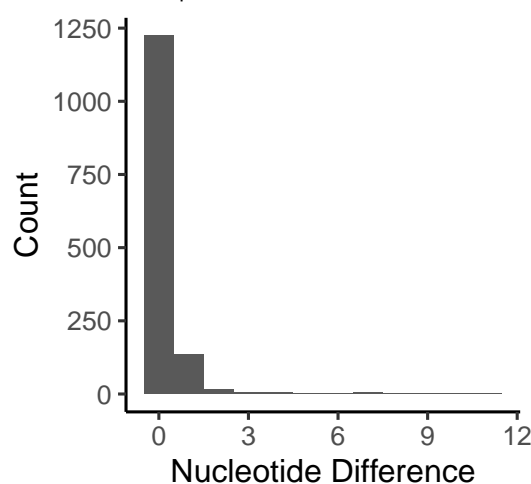
IGHV3-15*07

471 sequences assigned
408 (86.6%) exact matches, in which:
394 unique CDR3
6 unique J



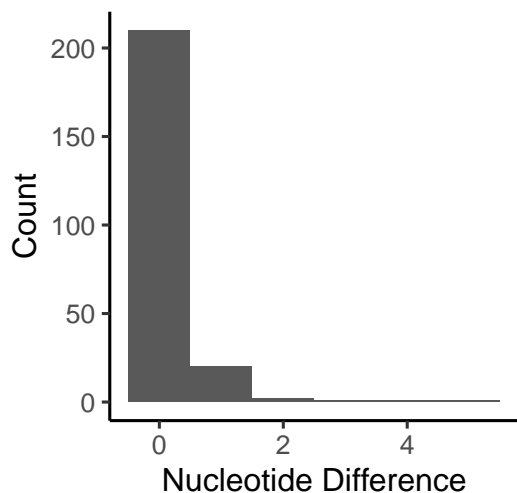
IGHV3-21*01

1401 sequences assigned
1224 (87.4%) exact matches, in which:
1152 unique CDR3
6 unique J



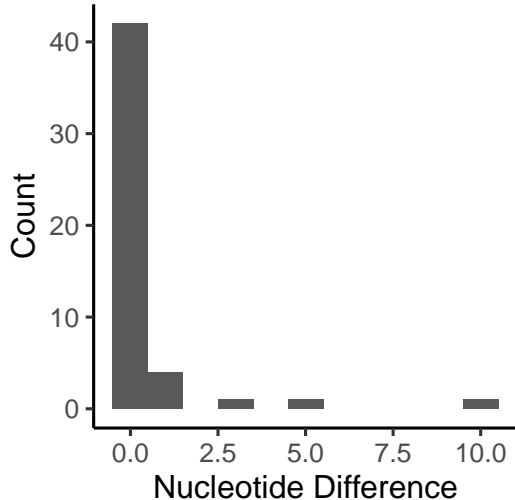
IGHV3-13*01

239 sequences assigned
210 (87.9%) exact matches, in which:
197 unique CDR3
6 unique J



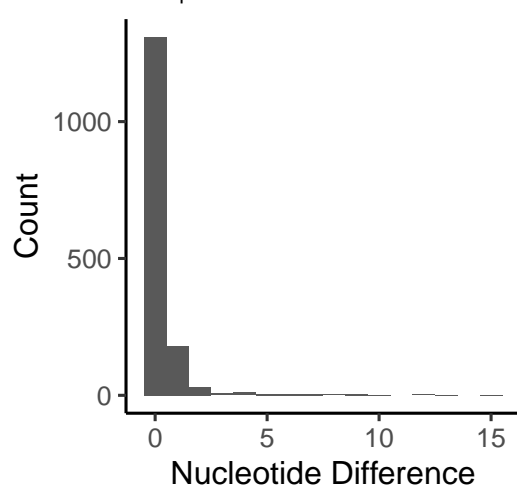
IGHV3-20*01

49 sequences assigned
42 (85.7%) exact matches, in which:
39 unique CDR3
5 unique J



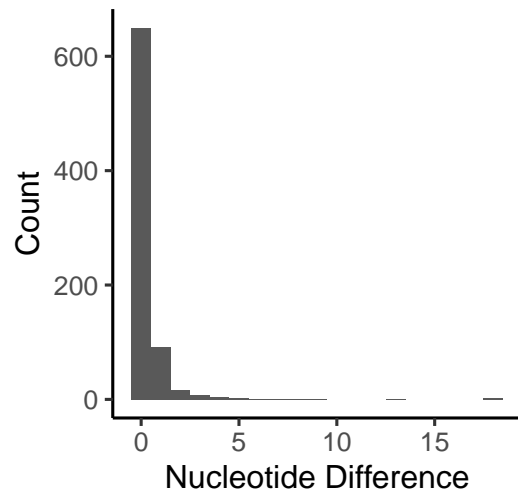
IGHV3-30-3*01

1562 sequences assigned
1309 (83.8%) exact matches, in which:
1229 unique CDR3
6 unique J



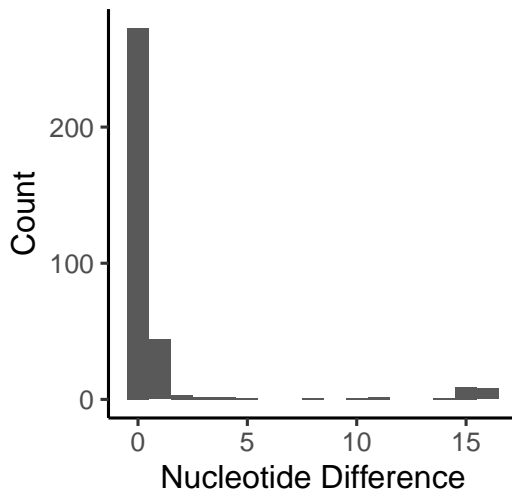
IGHV3–33*01

779 sequences assigned
650 (83.4%) exact matches, in which:
613 unique CDR3
6 unique J



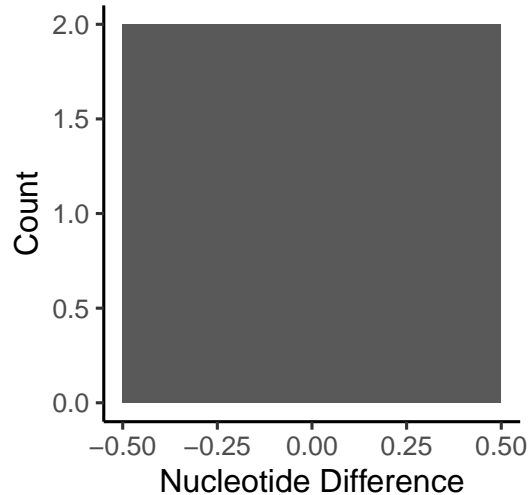
IGHV3–48*01

347 sequences assigned
273 (78.7%) exact matches, in which:
267 unique CDR3
6 unique J



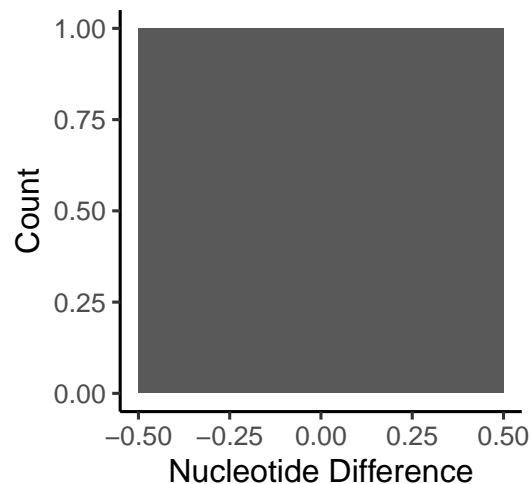
IGHV3–52*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



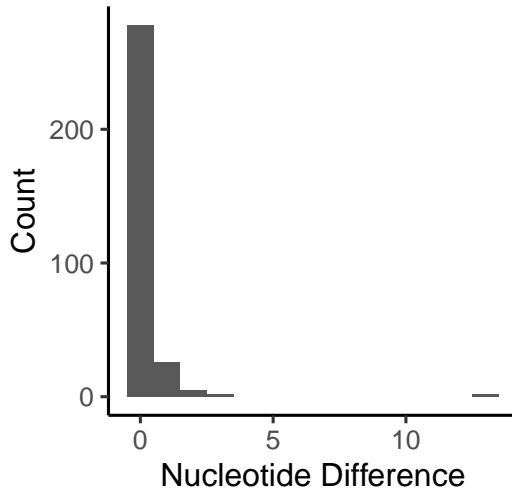
IGHV3–38–3*01

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



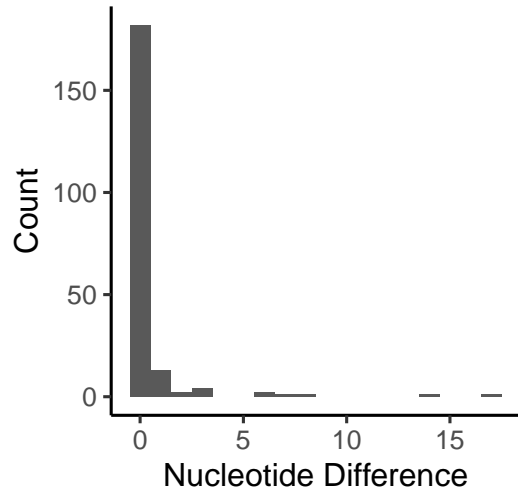
IGHV3–48*04

313 sequences assigned
278 (88.8%) exact matches, in which:
263 unique CDR3
6 unique J



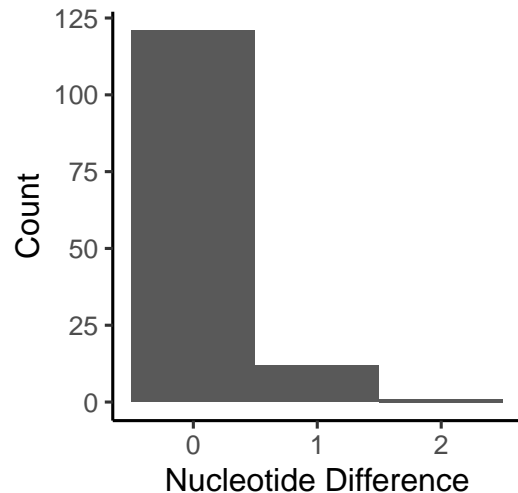
IGHV3–53*01

208 sequences assigned
182 (87.5%) exact matches, in which:
176 unique CDR3
6 unique J



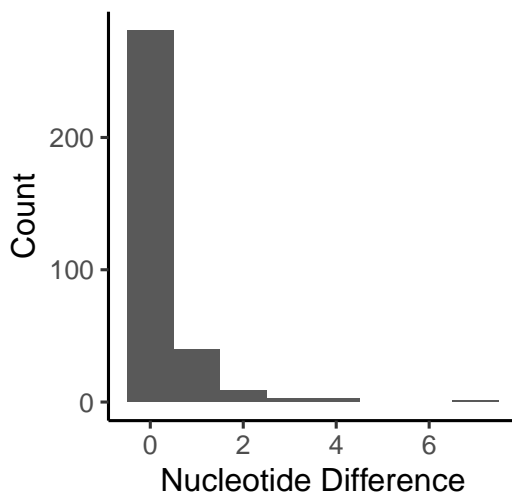
IGHV3–43*01

134 sequences assigned
121 (90.3%) exact matches, in which:
115 unique CDR3
6 unique J



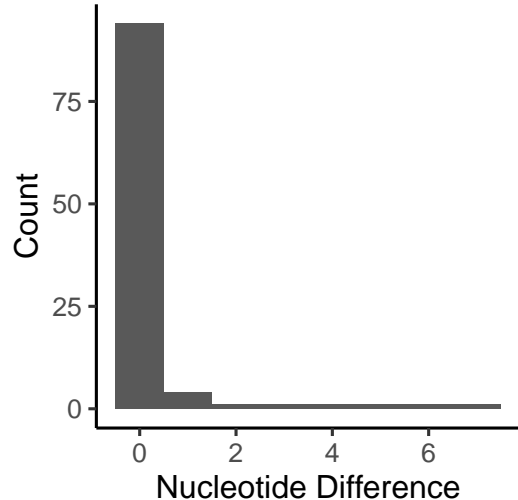
IGHV3–49*03

337 sequences assigned
281 (83.4%) exact matches, in which:
267 unique CDR3
6 unique J



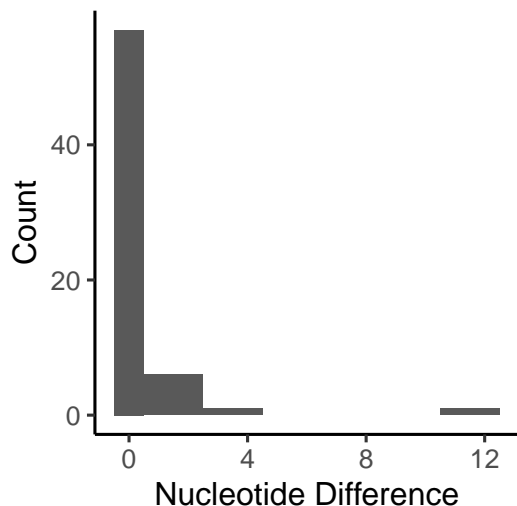
IGHV3–53*02

104 sequences assigned
94 (90.4%) exact matches, in which:
91 unique CDR3
6 unique J



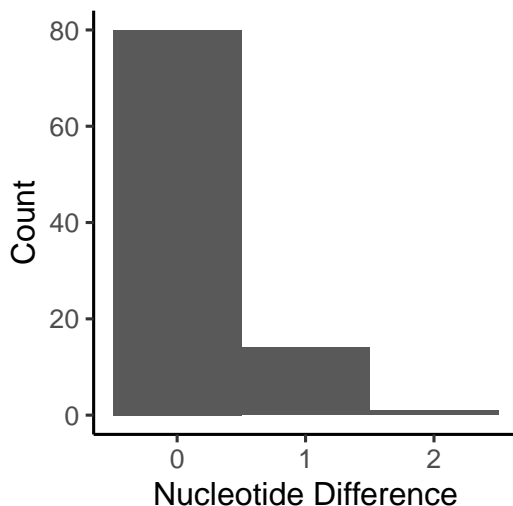
IGHV3-64*01

73 sequences assigned
57 (78.1%) exact matches, in which:
52 unique CDR3
5 unique J



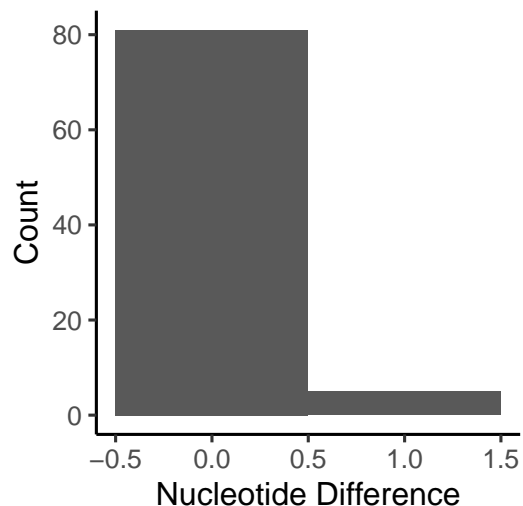
IGHV3-73*01

95 sequences assigned
80 (84.2%) exact matches, in which:
78 unique CDR3
5 unique J



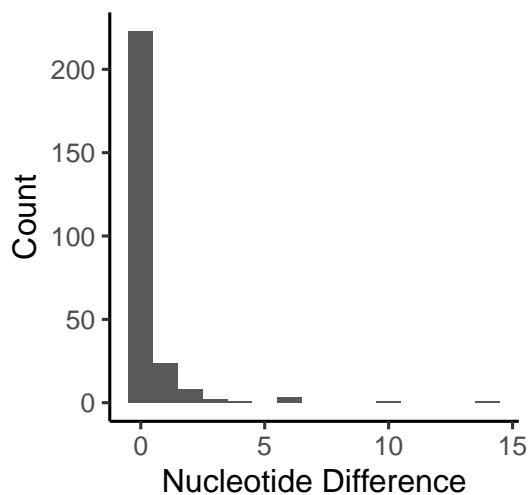
IGHV3-43D*03

86 sequences assigned
81 (94.2%) exact matches, in which:
78 unique CDR3
5 unique J



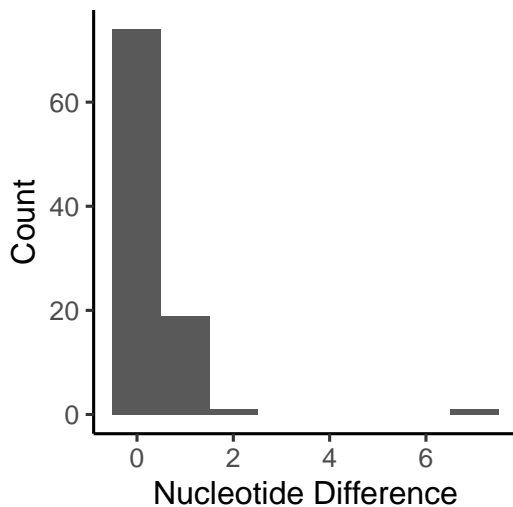
IGHV3-66*02

263 sequences assigned
223 (84.8%) exact matches, in which:
214 unique CDR3
6 unique J



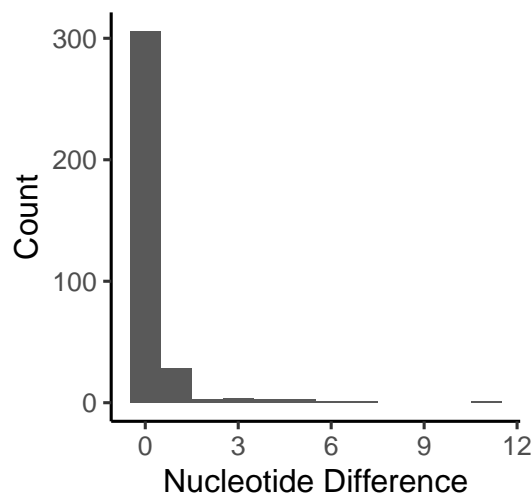
IGHV3-73*02

95 sequences assigned
74 (77.9%) exact matches, in which:
72 unique CDR3
4 unique J



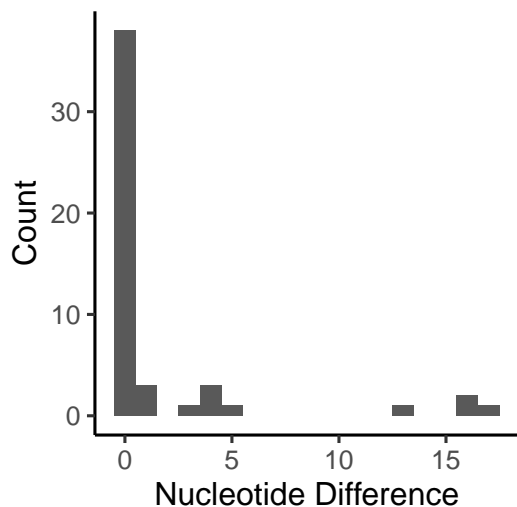
IGHV4-4*02

350 sequences assigned
306 (87.4%) exact matches, in which:
298 unique CDR3
6 unique J



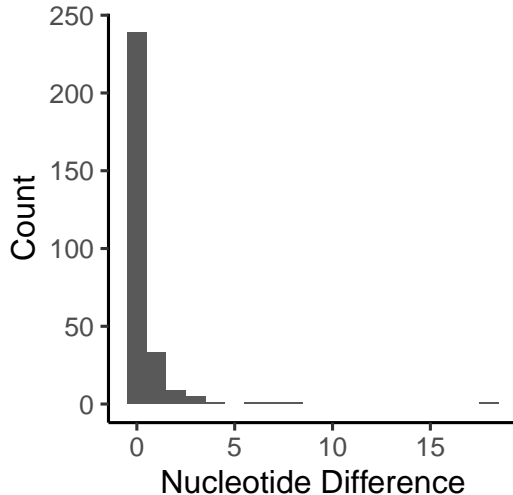
IGHV3-72*01

50 sequences assigned
38 (76%) exact matches, in which:
38 unique CDR3
4 unique J



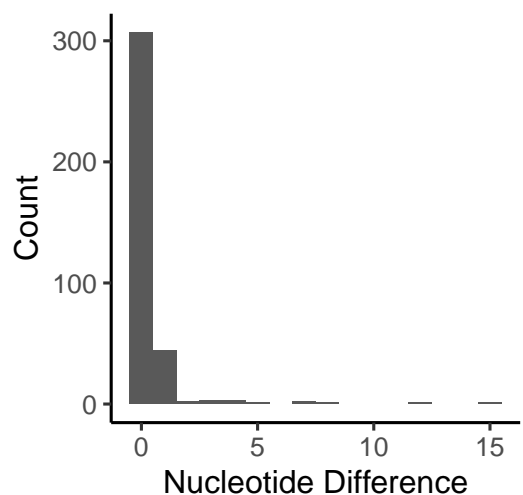
IGHV3-74*01

291 sequences assigned
239 (82.1%) exact matches, in which:
225 unique CDR3
6 unique J



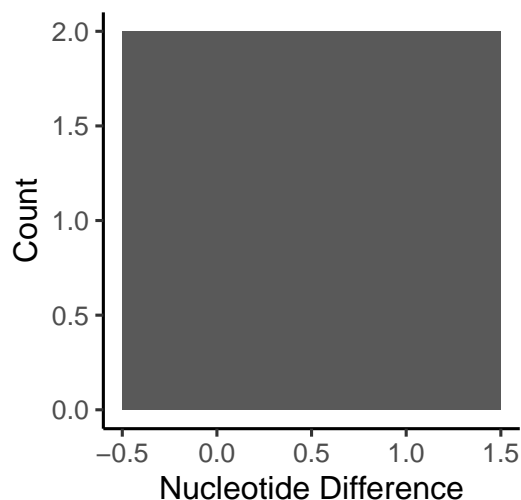
IGHV4-4*07

365 sequences assigned
307 (84.1%) exact matches, in which:
299 unique CDR3
6 unique J



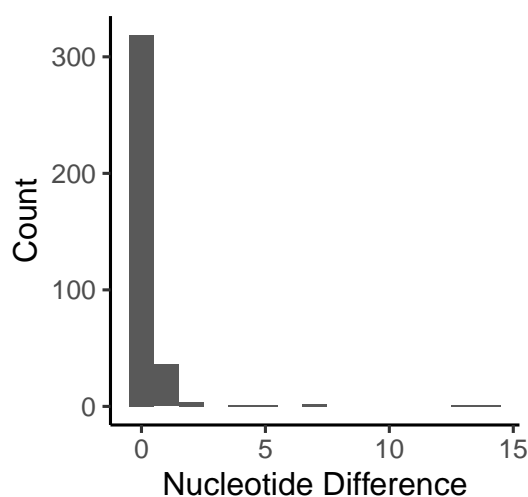
IGHV4-28*01

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



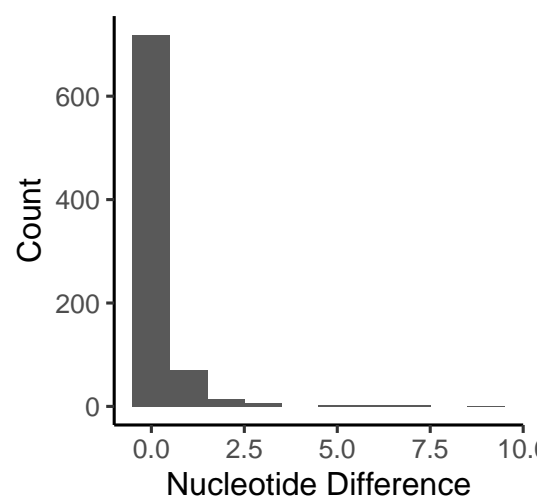
IGHV4-30-2*01

365 sequences assigned
319 (87.4%) exact matches, in which:
314 unique CDR3
6 unique J



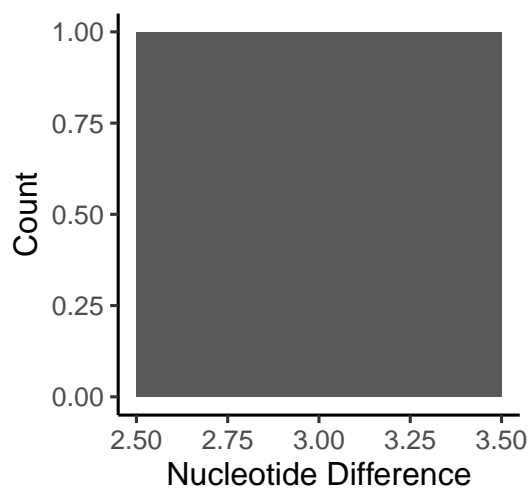
IGHV4-34*01

817 sequences assigned
719 (88%) exact matches, in which:
696 unique CDR3
6 unique J



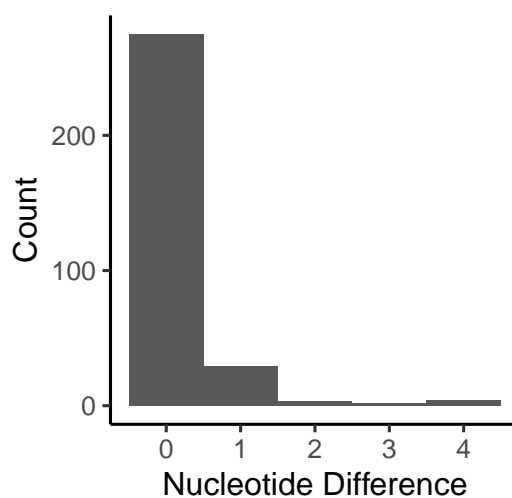
IGHV4-28*03

1 sequences assigned
No exact matches.



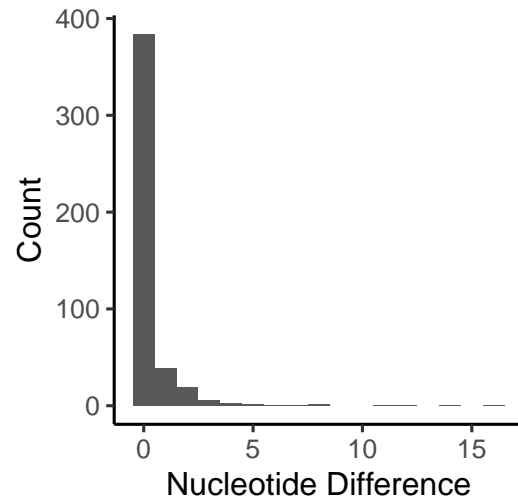
IGHV4-30-4*01

313 sequences assigned
275 (87.9%) exact matches, in which:
271 unique CDR3
6 unique J



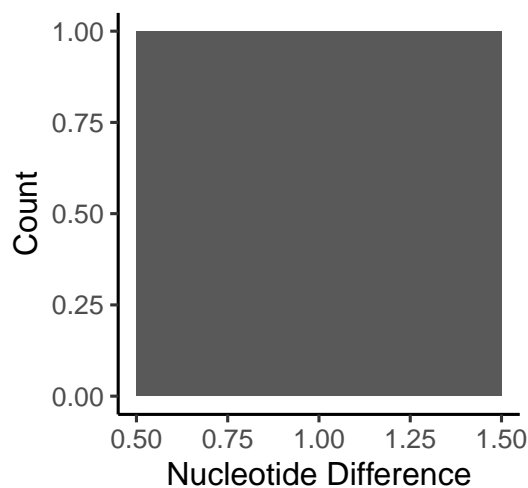
IGHV4-38-2*02

470 sequences assigned
384 (81.7%) exact matches, in which:
371 unique CDR3
6 unique J



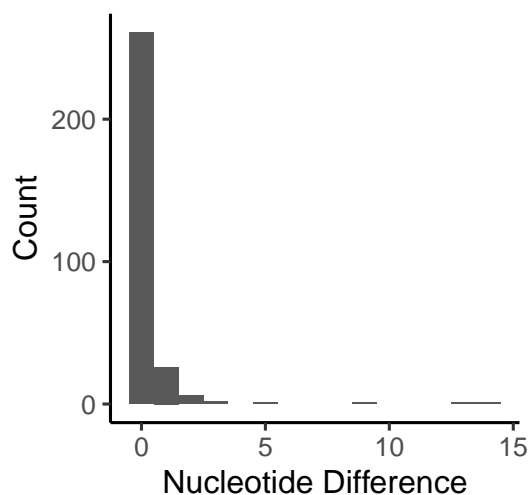
IGHV4-28*04

1 sequences assigned
No exact matches.



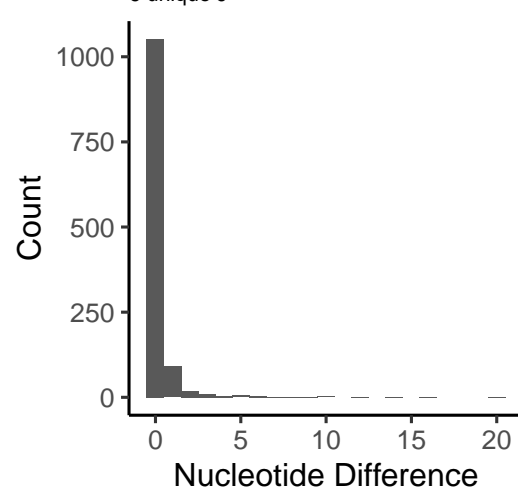
IGHV4-31*03

299 sequences assigned
261 (87.3%) exact matches, in which:
252 unique CDR3
6 unique J



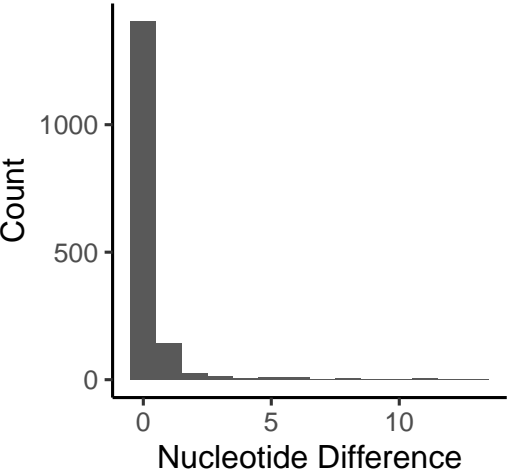
IGHV4-39*01

1192 sequences assigned
1052 (88.3%) exact matches, in which:
992 unique CDR3
6 unique J



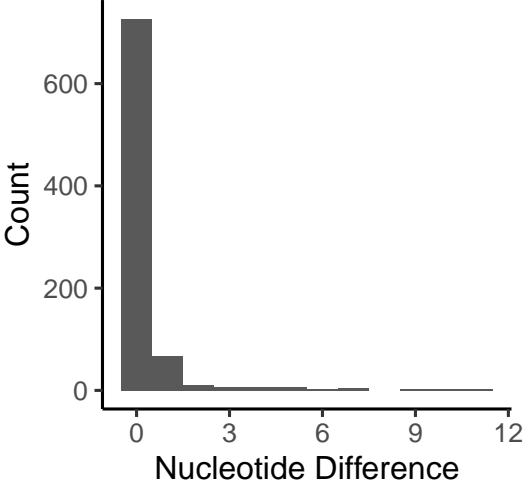
IGHV4–39*07

1633 sequences assigned
1405 (86%) exact matches, in which:
1348 unique CDR3
6 unique J



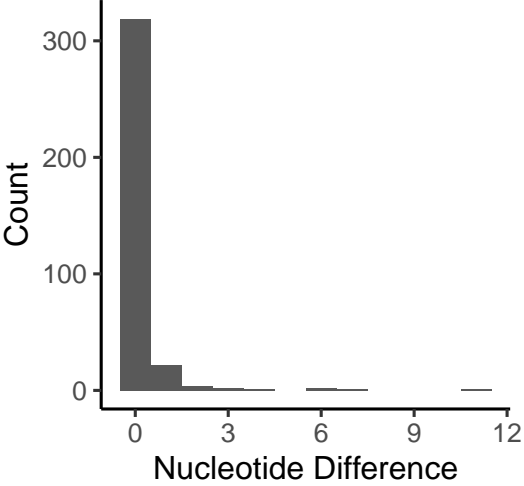
IGHV4–61*02

839 sequences assigned
727 (86.7%) exact matches, in which:
700 unique CDR3
6 unique J



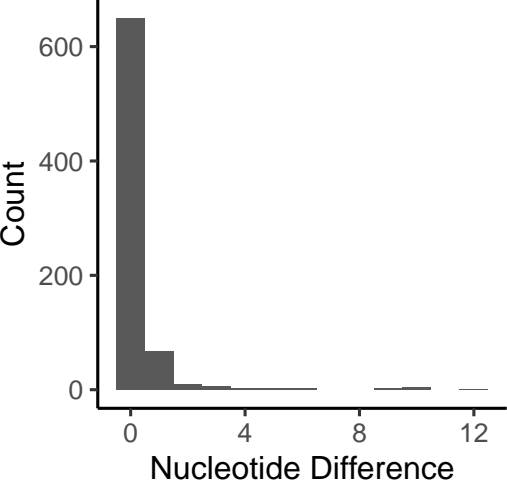
IGHV5–51*03

352 sequences assigned
319 (90.6%) exact matches, in which:
308 unique CDR3
6 unique J



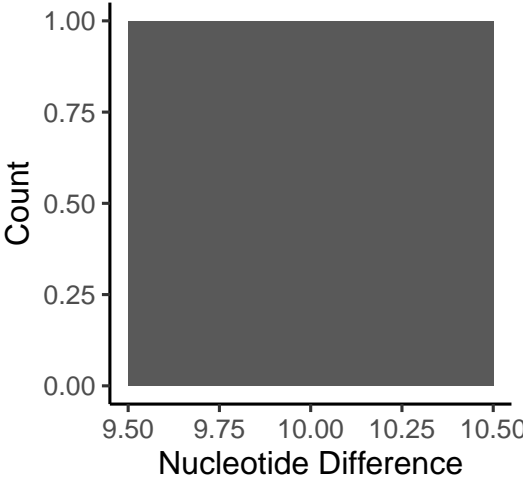
IGHV4–59*01

748 sequences assigned
650 (86.9%) exact matches, in which:
641 unique CDR3
6 unique J



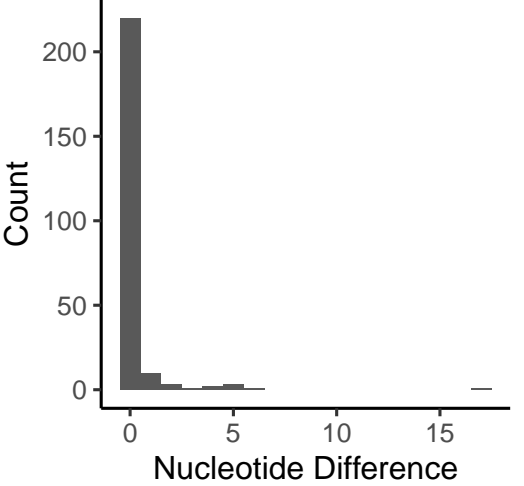
IGHV1/OR15–4*01

1 sequences assigned
No exact matches.



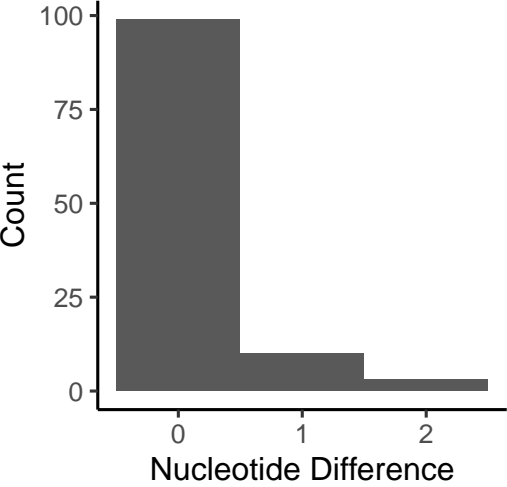
IGHV6–1*01

241 sequences assigned
220 (91.3%) exact matches, in which:
211 unique CDR3
6 unique J



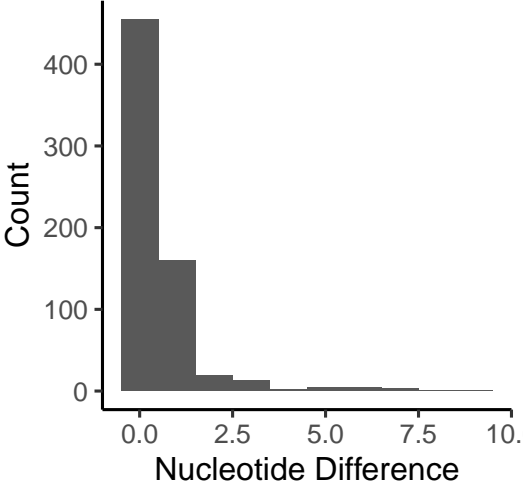
IGHV4–61*01

112 sequences assigned
99 (88.4%) exact matches, in which:
99 unique CDR3
6 unique J



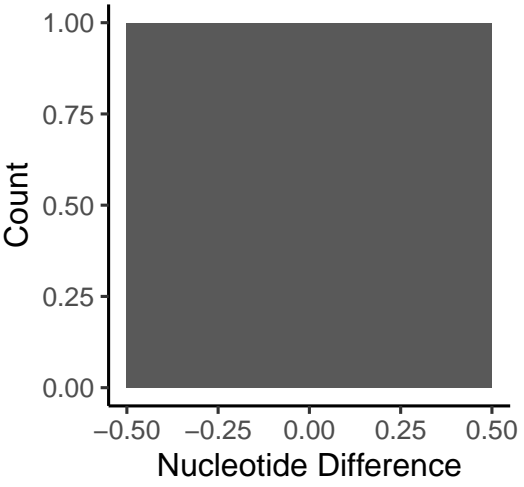
IGHV5–51*01

662 sequences assigned
455 (68.7%) exact matches, in which:
441 unique CDR3
6 unique J

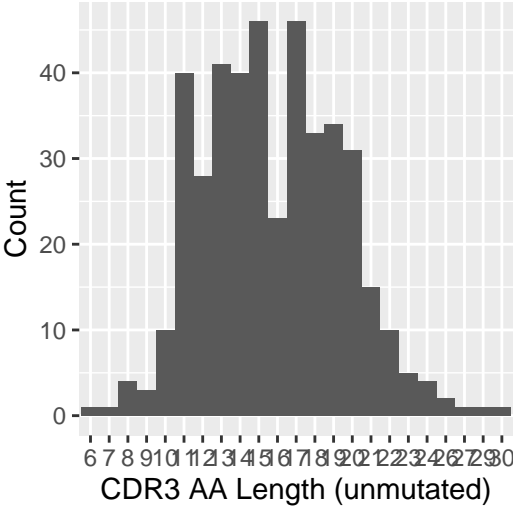


IGHV3/OR16–12*01

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



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