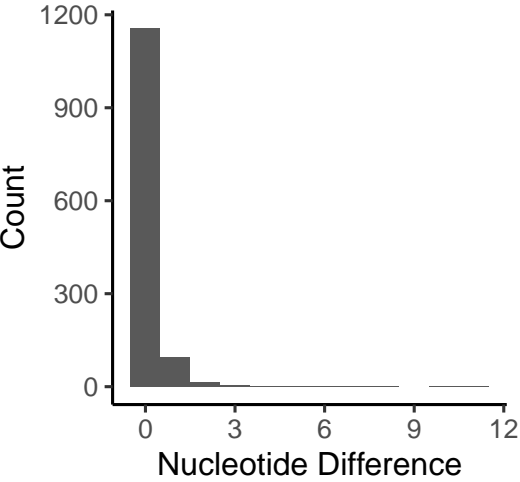


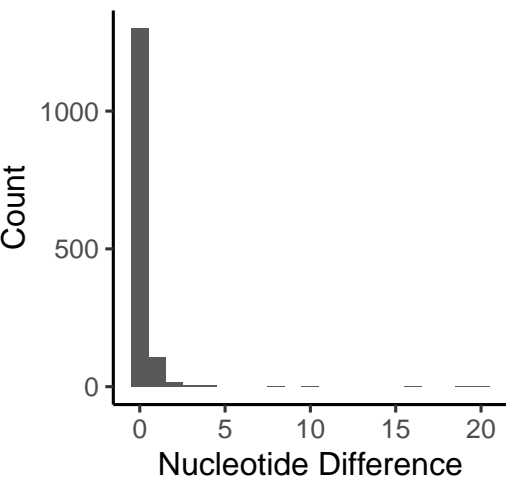
IGHV1-2*02

1285 sequences assigned
1156 (90%) exact matches, in which:
1073 unique CDR3
6 unique J



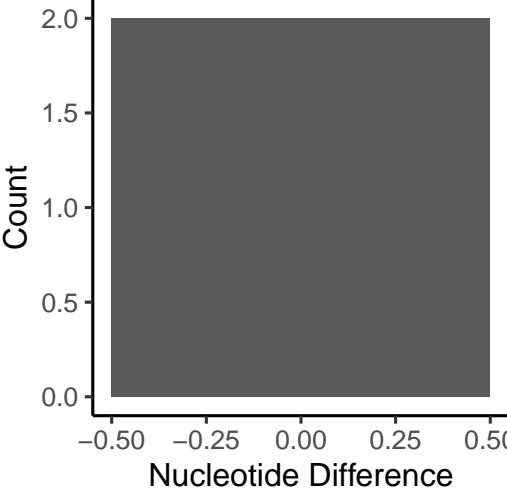
IGHV1-18*04

1440 sequences assigned
1300 (90.3%) exact matches, in which:
1231 unique CDR3
7 unique J



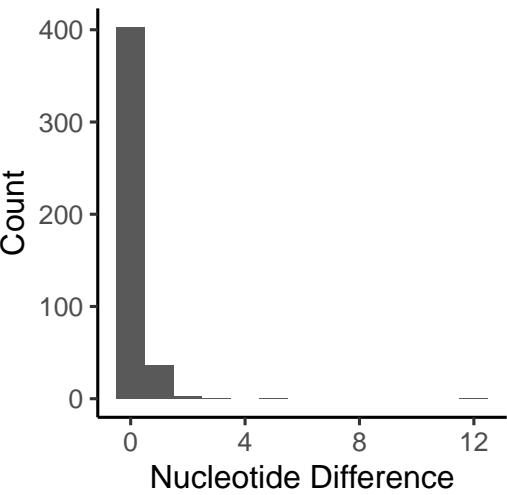
IGHV1-45*03

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



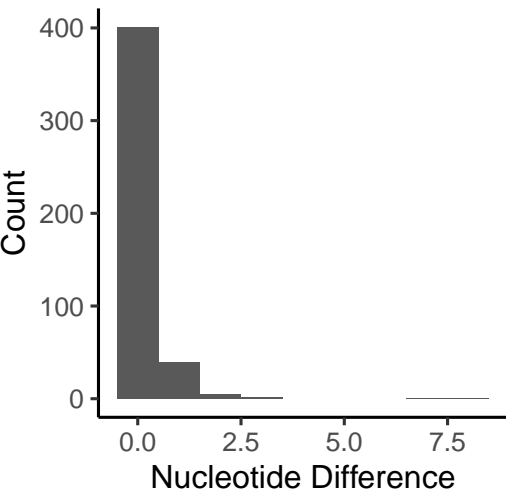
IGHV1-2*04

446 sequences assigned
403 (90.4%) exact matches, in which:
384 unique CDR3
6 unique J



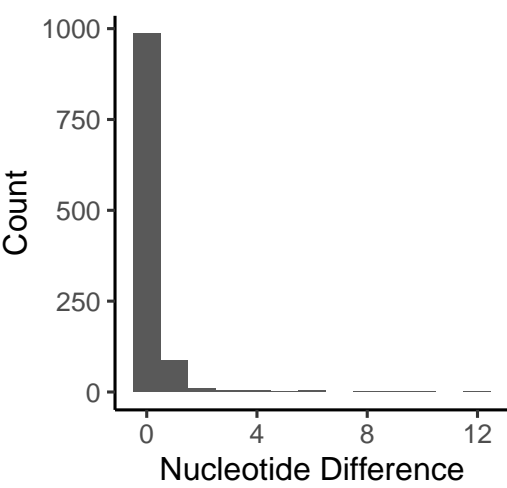
IGHV1-24*01

449 sequences assigned
401 (89.3%) exact matches, in which:
378 unique CDR3
7 unique J



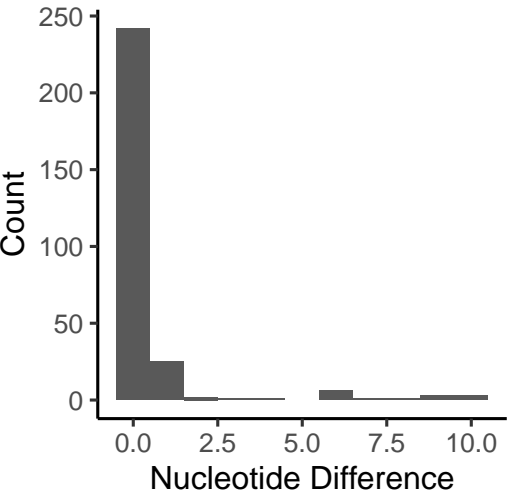
IGHV1-46*01

1098 sequences assigned
986 (89.8%) exact matches, in which:
932 unique CDR3
7 unique J



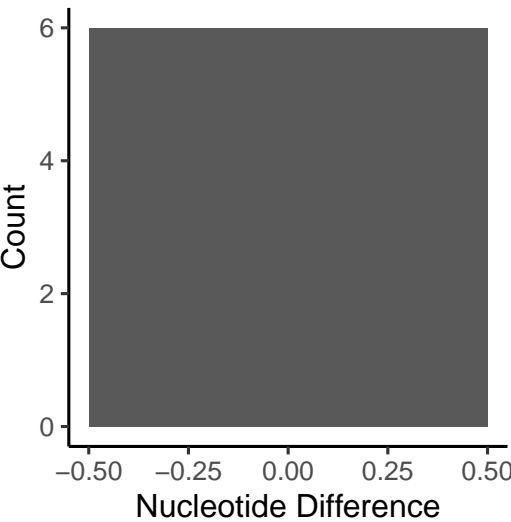
IGHV1-3*01

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



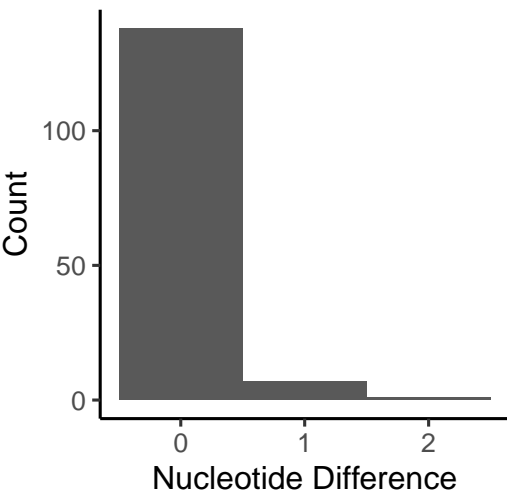
IGHV1-45*02

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



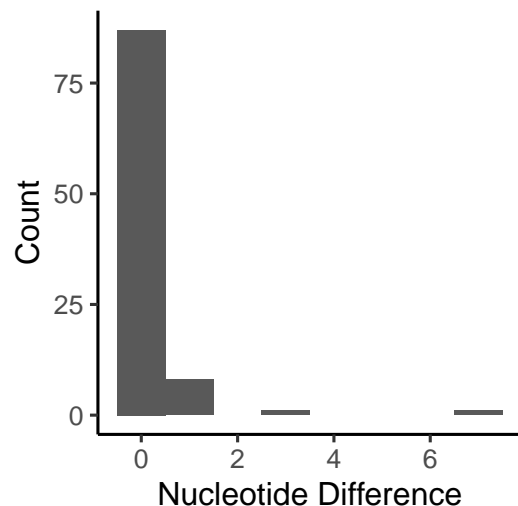
IGHV1-58*01

146 sequences assigned
138 (94.5%) exact matches, in which:
129 unique CDR3
5 unique J



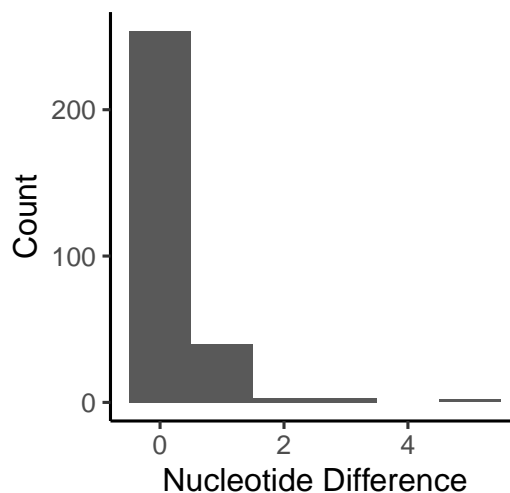
IGHV1–58*02

97 sequences assigned
87 (89.7%) exact matches, in which:
87 unique CDR3
5 unique J



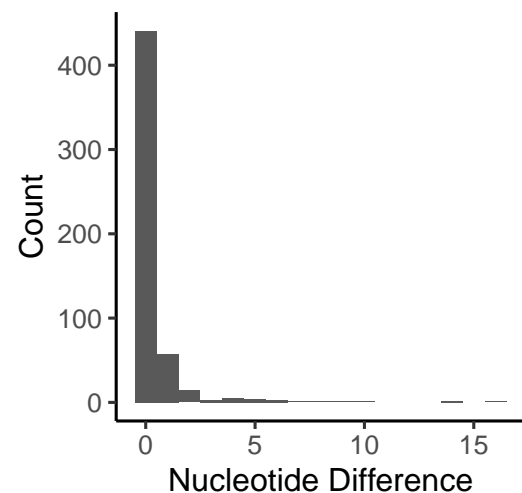
IGHV2–26*01

302 sequences assigned
254 (84.1%) exact matches, in which:
248 unique CDR3
6 unique J



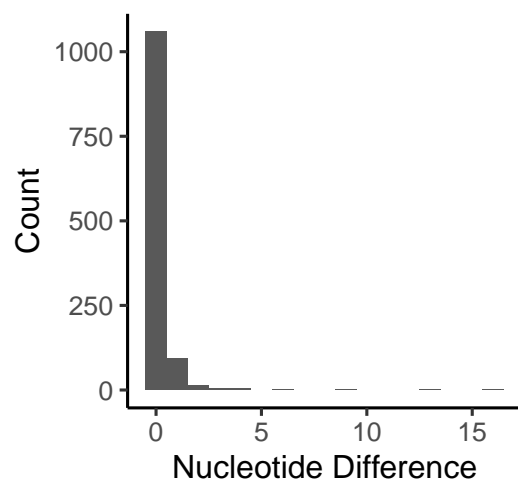
IGHV3–7*03

534 sequences assigned
441 (82.6%) exact matches, in which:
416 unique CDR3
7 unique J



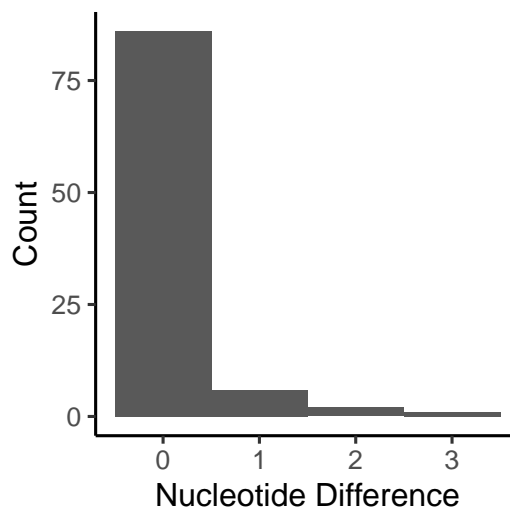
IGHV1–69*04

1177 sequences assigned
1059 (90%) exact matches, in which:
992 unique CDR3
7 unique J



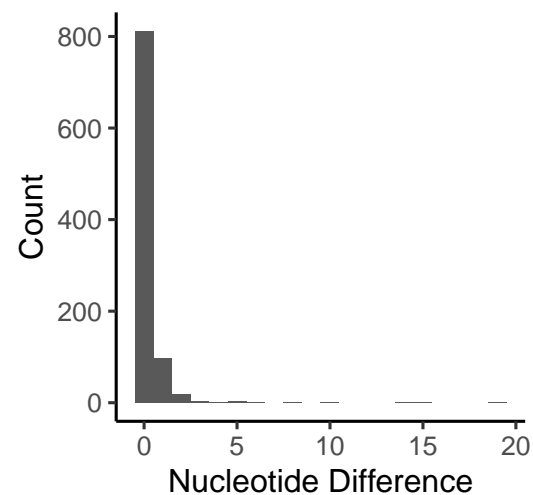
IGHV2–70*01

95 sequences assigned
86 (90.5%) exact matches, in which:
85 unique CDR3
5 unique J



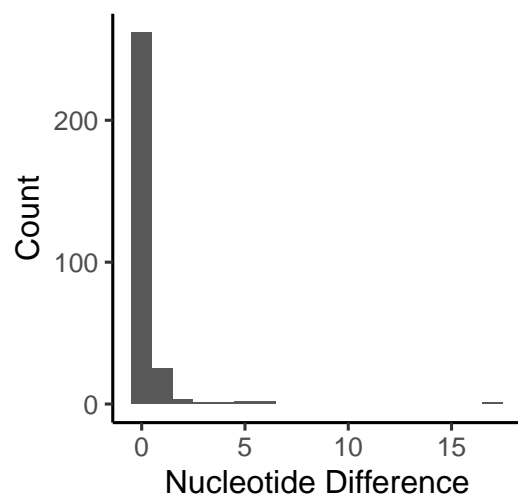
IGHV3–11*06

943 sequences assigned
812 (86.1%) exact matches, in which:
771 unique CDR3
7 unique J



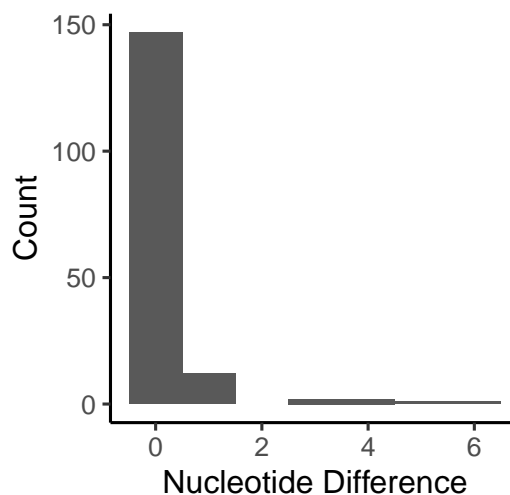
IGHV2–5*02

297 sequences assigned
262 (88.2%) exact matches, in which:
253 unique CDR3
7 unique J



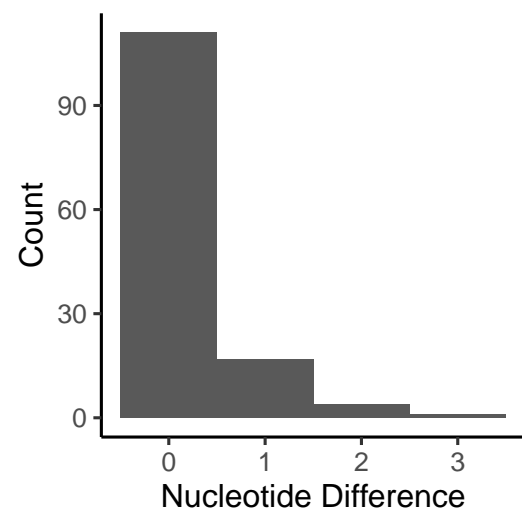
IGHV2–70*15

165 sequences assigned
147 (89.1%) exact matches, in which:
145 unique CDR3
6 unique J



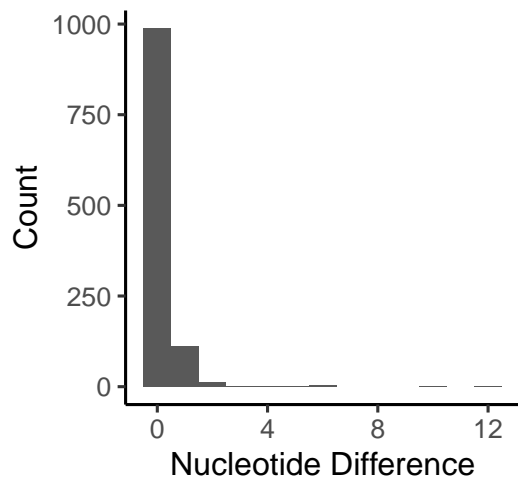
IGHV3–13*05

133 sequences assigned
111 (83.5%) exact matches, in which:
106 unique CDR3
6 unique J



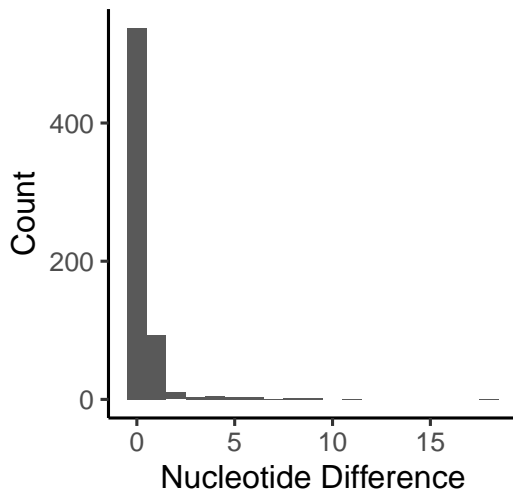
IGHV3–15*01

1126 sequences assigned
988 (87.7%) exact matches, in which:
943 unique CDR3
7 unique J



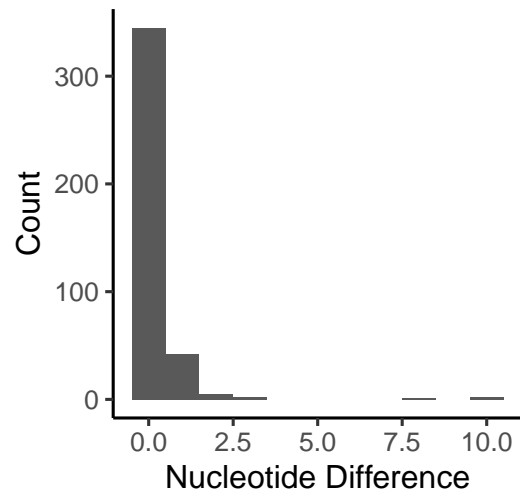
IGHV3–33*01

664 sequences assigned
538 (81%) exact matches, in which:
491 unique CDR3
6 unique J



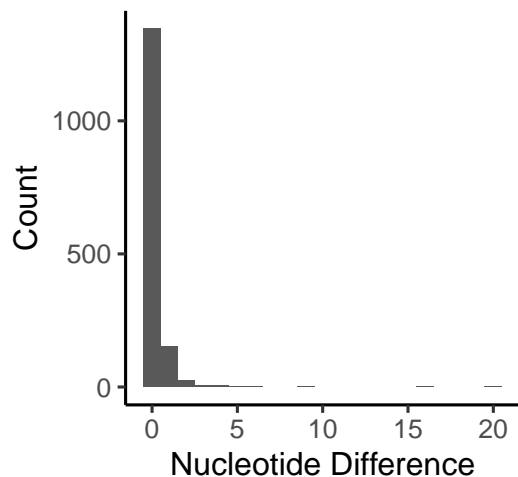
IGHV3–43*02

397 sequences assigned
345 (86.9%) exact matches, in which:
333 unique CDR3
7 unique J



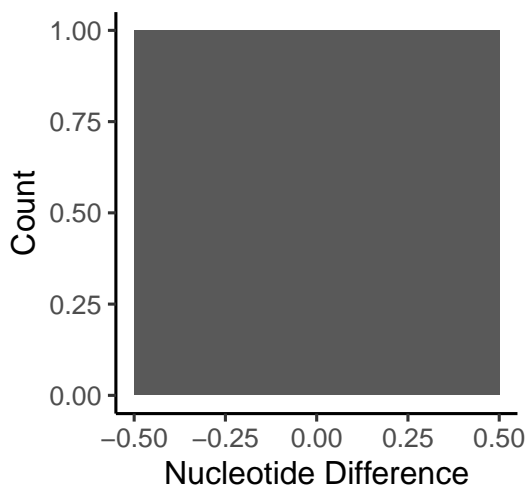
IGHV3–21*01

1539 sequences assigned
1346 (87.5%) exact matches, in which:
1263 unique CDR3
7 unique J



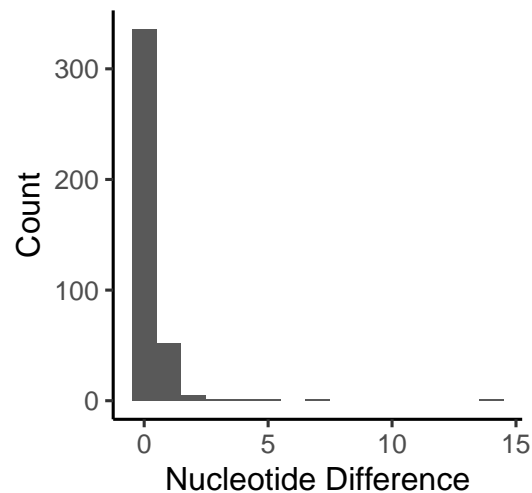
IGHV3–35*01

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



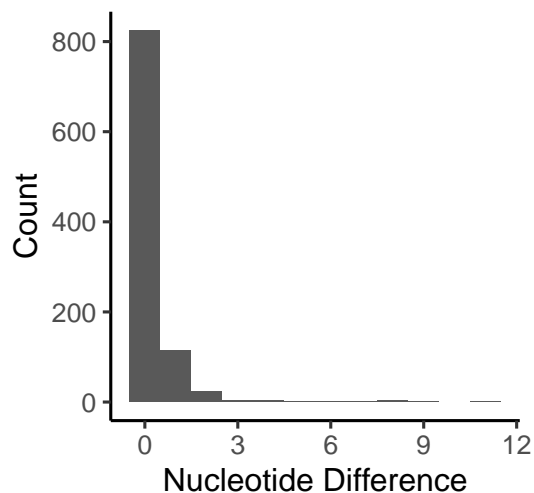
IGHV3–48*02

399 sequences assigned
336 (84.2%) exact matches, in which:
319 unique CDR3
7 unique J



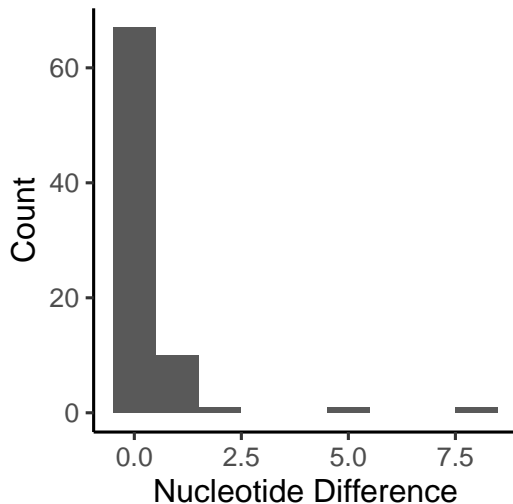
IGHV3–30–3*01

983 sequences assigned
825 (83.9%) exact matches, in which:
770 unique CDR3
7 unique J



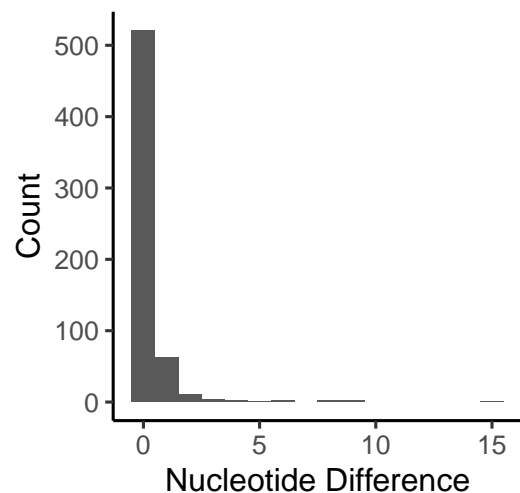
IGHV3–43*01

80 sequences assigned
67 (83.8%) exact matches, in which:
65 unique CDR3
5 unique J



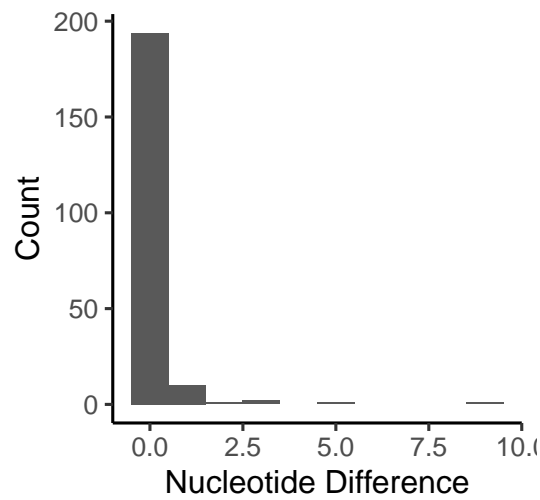
IGHV3–48*03

609 sequences assigned
521 (85.6%) exact matches, in which:
504 unique CDR3
7 unique J



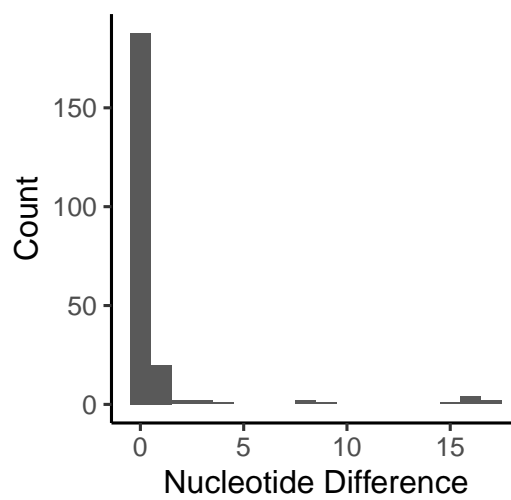
IGHV3-49*04

209 sequences assigned
194 (92.8%) exact matches, in which:
186 unique CDR3
6 unique J



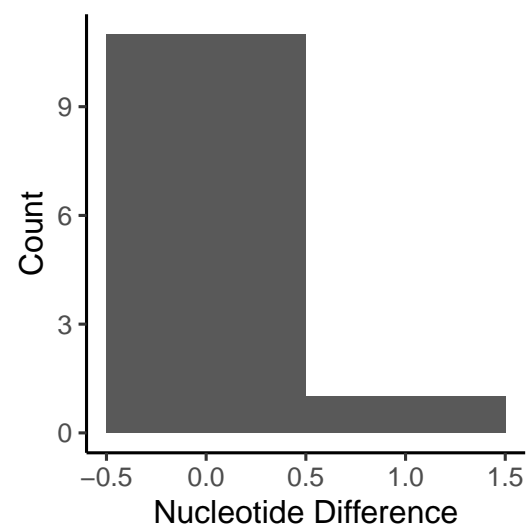
IGHV3-53*01

223 sequences assigned
188 (84.3%) exact matches, in which:
175 unique CDR3
5 unique J



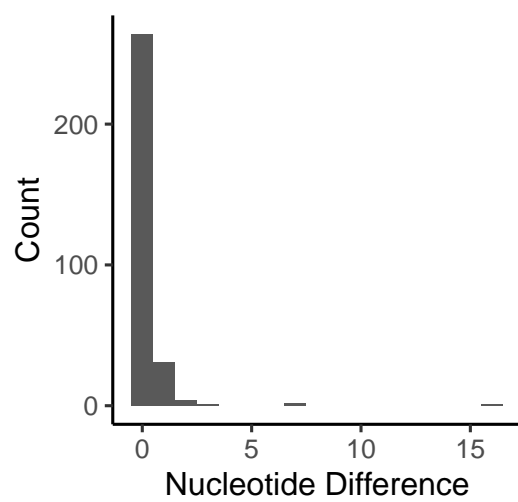
IGHV3-64*02

12 sequences assigned
11 (91.7%) exact matches, in which:
9 unique CDR3
3 unique J



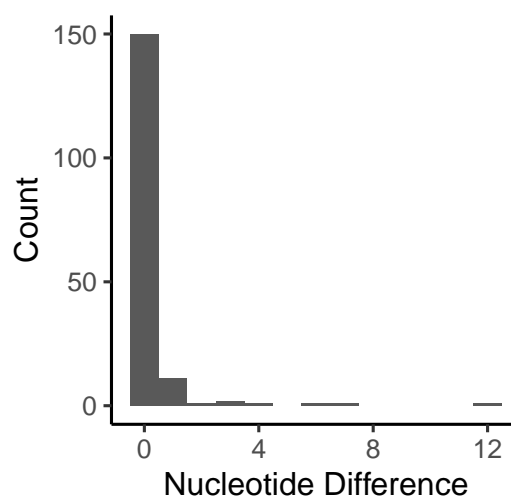
IGHV3-49*05

303 sequences assigned
264 (87.1%) exact matches, in which:
250 unique CDR3
7 unique J



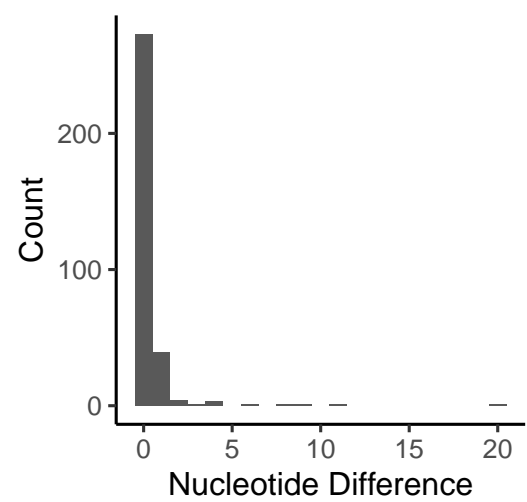
IGHV3-53*04

168 sequences assigned
150 (89.3%) exact matches, in which:
143 unique CDR3
7 unique J



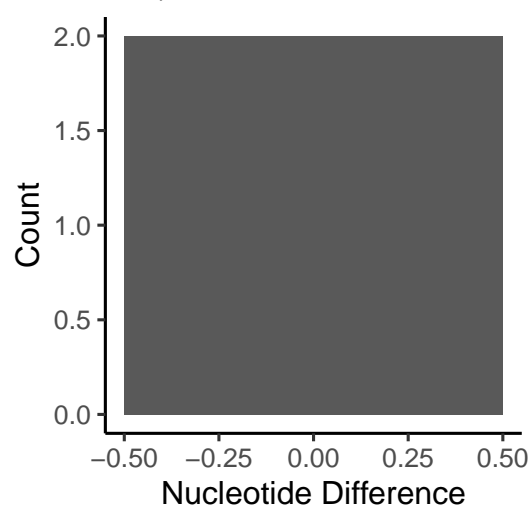
IGHV3-66*01

325 sequences assigned
273 (84%) exact matches, in which:
256 unique CDR3
6 unique J



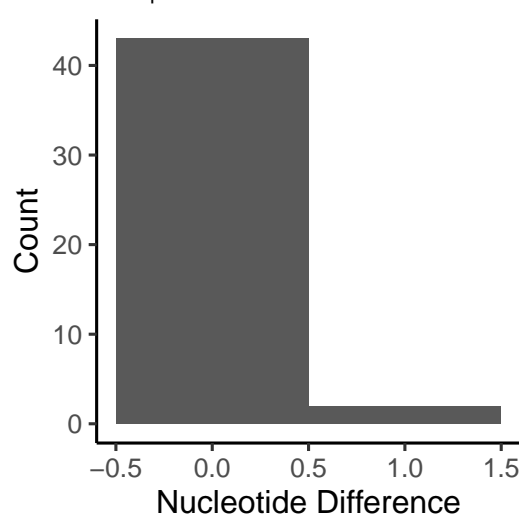
IGHV3-52*01

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



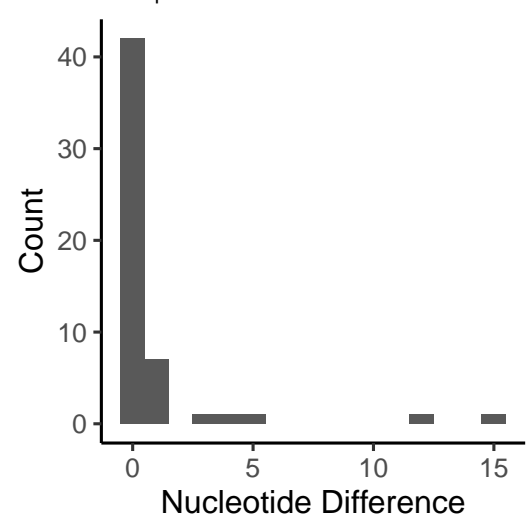
IGHV3-64*01

45 sequences assigned
43 (95.6%) exact matches, in which:
42 unique CDR3
5 unique J



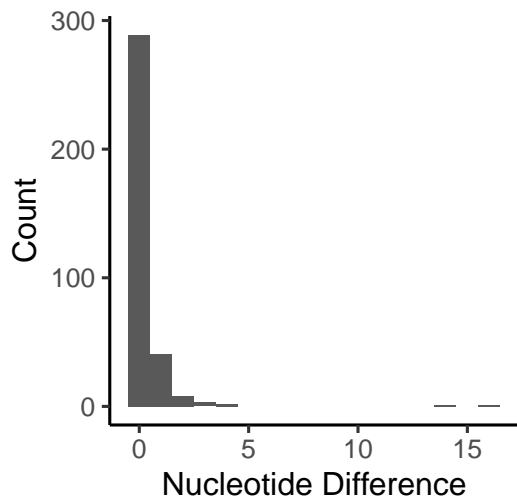
IGHV3-72*01

55 sequences assigned
42 (76.4%) exact matches, in which:
38 unique CDR3
5 unique J



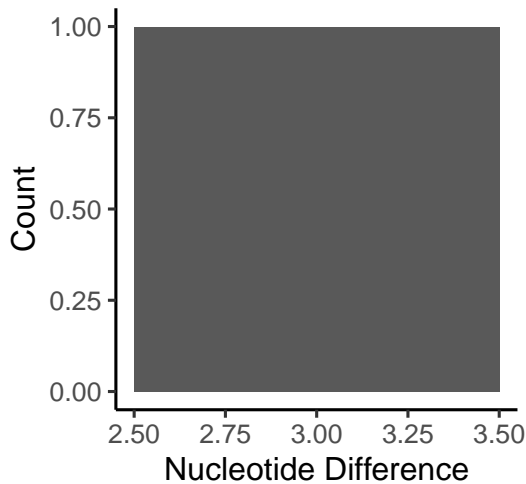
IGHV3-73*02

345 sequences assigned
289 (83.8%) exact matches, in which:
270 unique CDR3
6 unique J



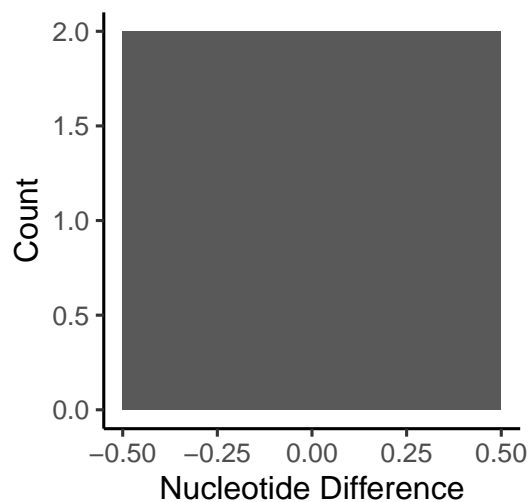
IGHV3-NL1*01

1 sequences assigned
No exact matches.



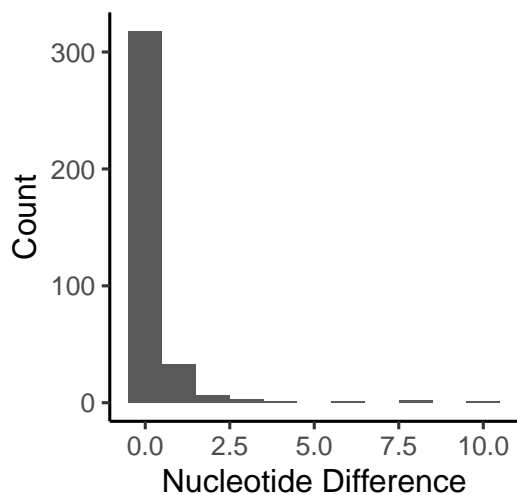
IGHV4-28*01

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



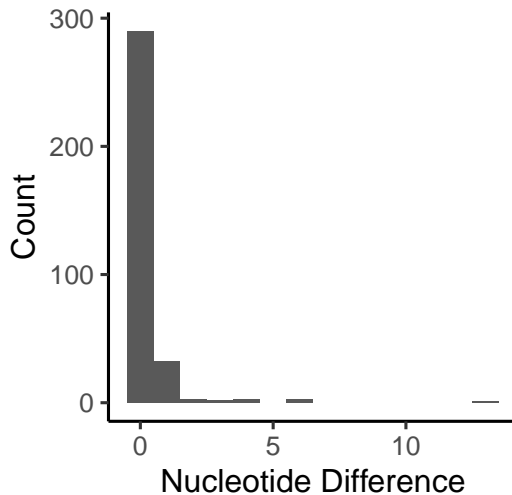
IGHV3-74*01

365 sequences assigned
318 (87.1%) exact matches, in which:
305 unique CDR3
7 unique J



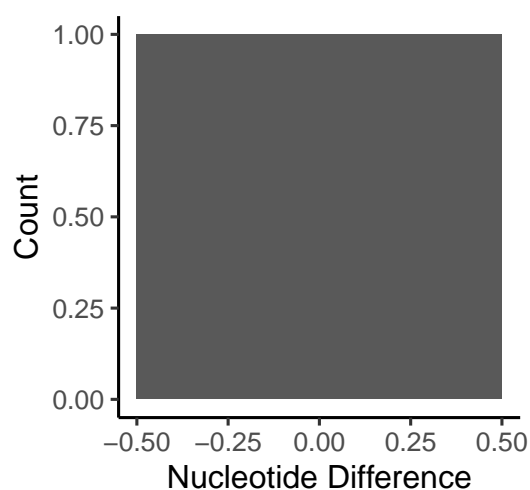
IGHV4-4*02

334 sequences assigned
290 (86.8%) exact matches, in which:
286 unique CDR3
6 unique J



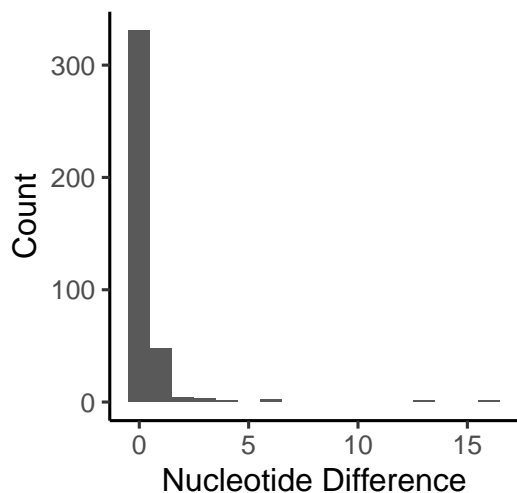
IGHV4-28*03

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



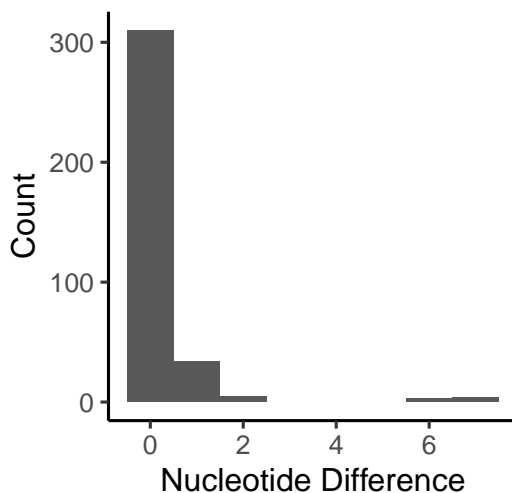
IGHV3-64D*06

391 sequences assigned
331 (84.7%) exact matches, in which:
309 unique CDR3
7 unique J



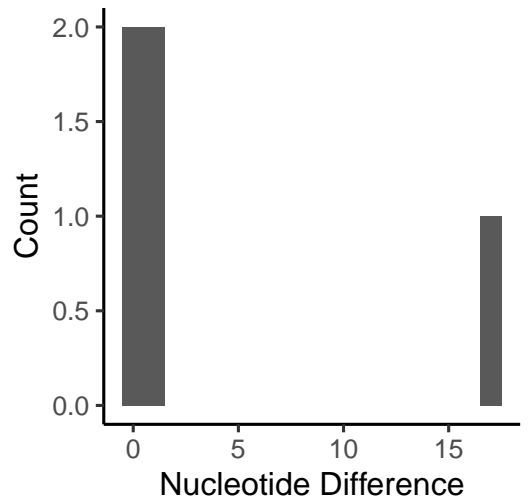
IGHV4-4*07

356 sequences assigned
310 (87.1%) exact matches, in which:
300 unique CDR3
6 unique J



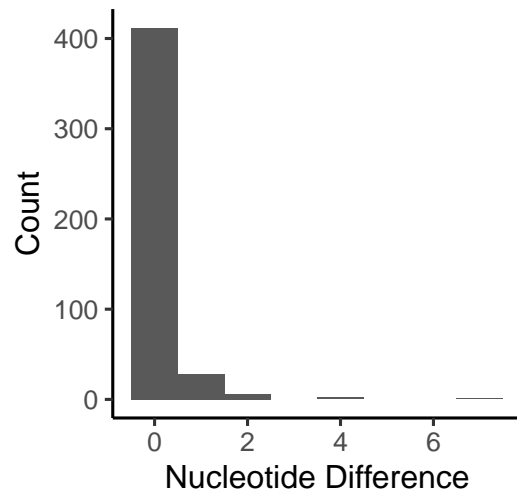
IGHV4-28*07

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
2 unique J



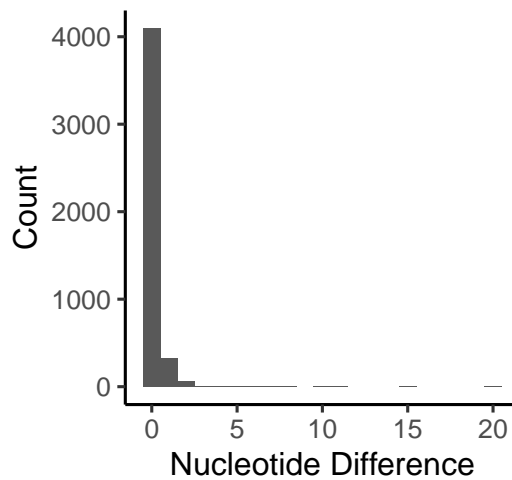
IGHV4-30-2*01

449 sequences assigned
412 (91.8%) exact matches, in which:
390 unique CDR3
7 unique J



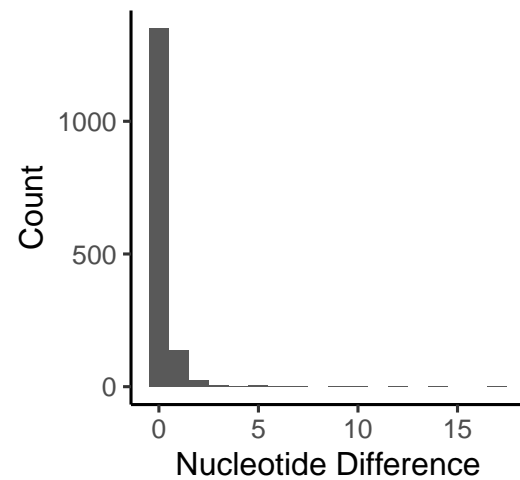
IGHV4-34*01

4519 sequences assigned
4095 (90.6%) exact matches, in which:
3743 unique CDR3
7 unique J



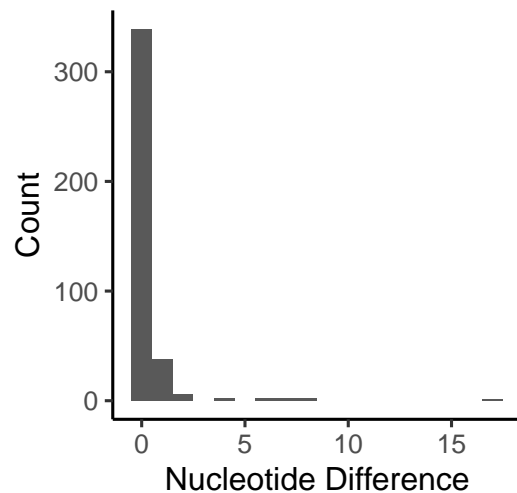
IGHV4-59*01

1537 sequences assigned
1350 (87.8%) exact matches, in which:
1312 unique CDR3
7 unique J



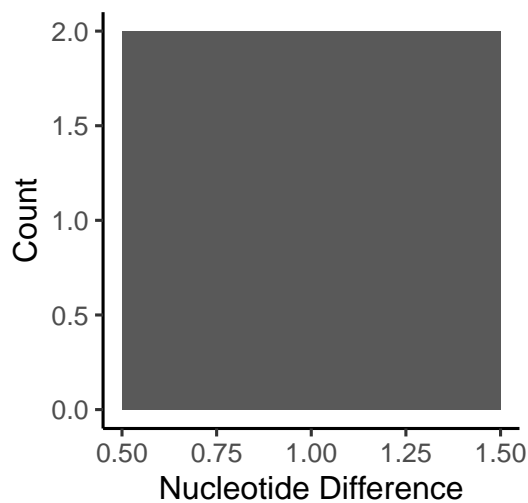
IGHV4-30-4*01_A70G_/_

392 sequences assigned
339 (86.5%) exact matches, in which:
326 unique CDR3
6 unique J



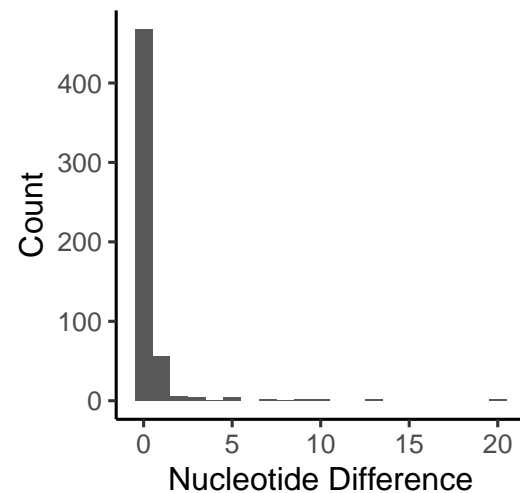
IGHV4-38-2*02

2 sequences assigned
No exact matches.



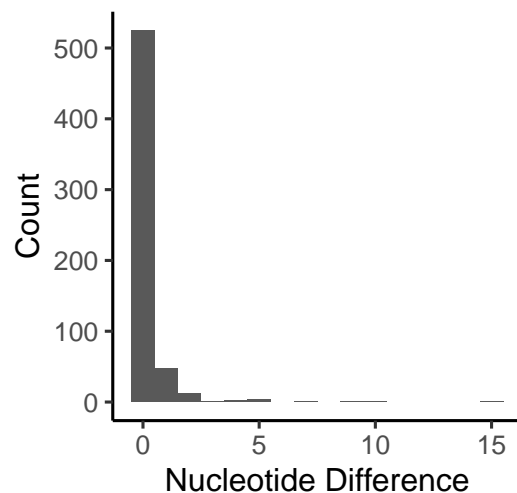
IGHV4-59*08

552 sequences assigned
468 (84.8%) exact matches, in which:
450 unique CDR3
7 unique J



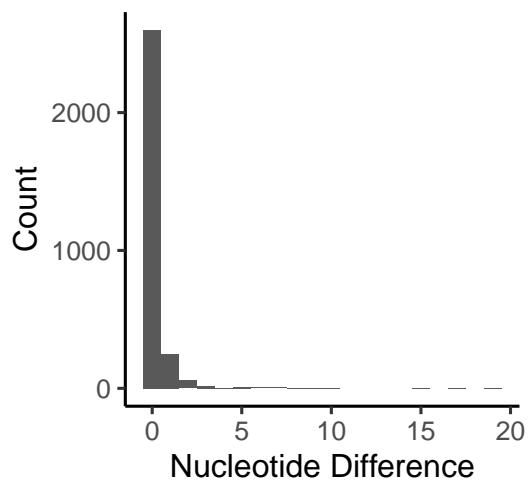
IGHV4-31*03

594 sequences assigned
525 (88.4%) exact matches, in which:
486 unique CDR3
6 unique J



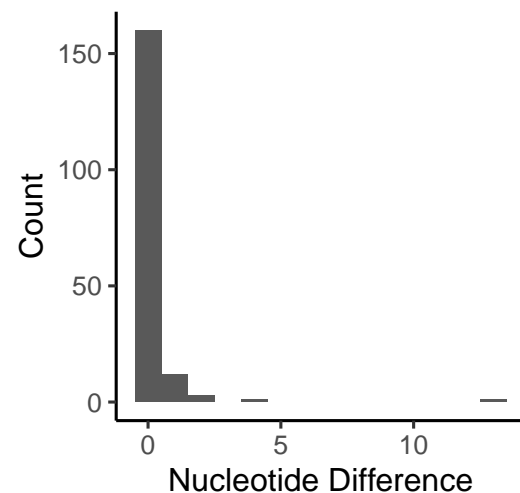
IGHV4-39*01

2971 sequences assigned
2599 (87.5%) exact matches, in which:
2415 unique CDR3
7 unique J



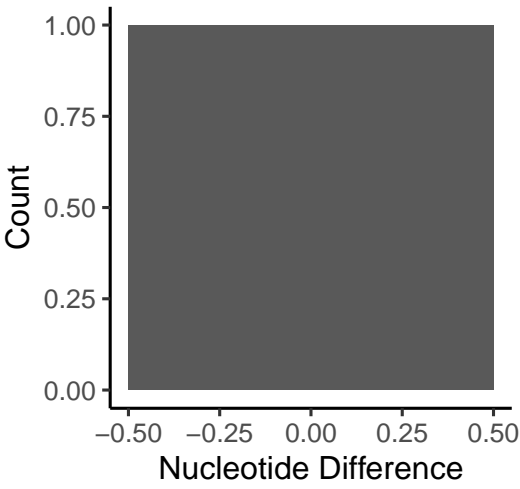
IGHV4-61*01

177 sequences assigned
160 (90.4%) exact matches, in which:
152 unique CDR3
5 unique J



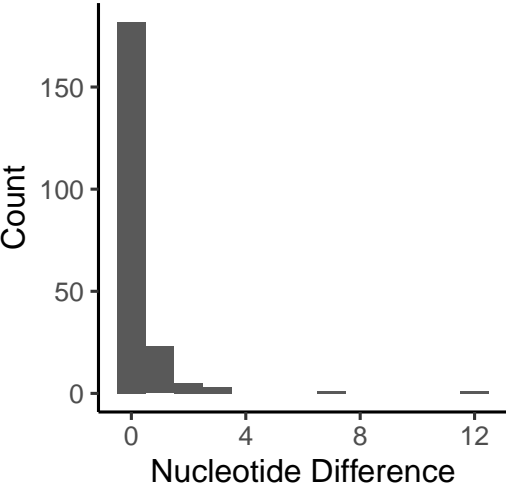
IGHV1/OR15-2*01

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



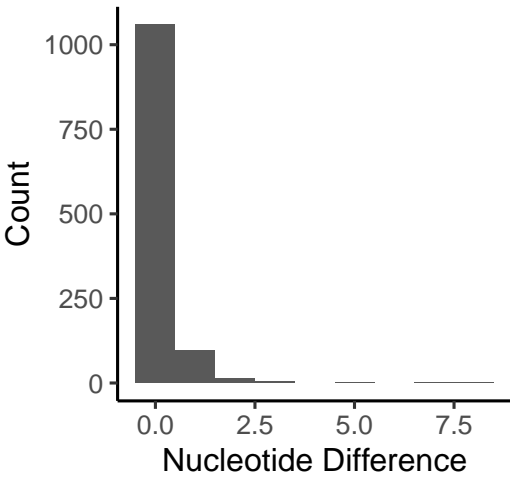
IGHV6-1*01

215 sequences assigned
182 (84.7%) exact matches, in which:
175 unique CDR3
7 unique J



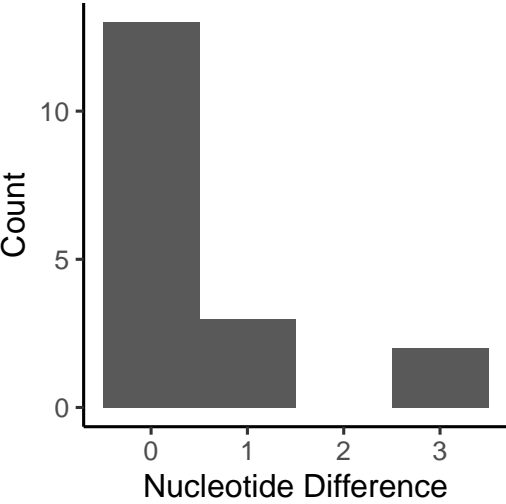
IGHV5-10-1*03

1175 sequences assigned
1059 (90.1%) exact matches, in which:
1000 unique CDR3
7 unique J



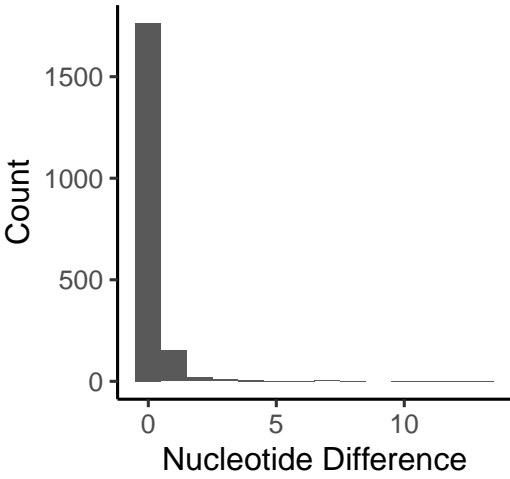
IGHV7-4-1*01

18 sequences assigned
13 (72.2%) exact matches, in which:
13 unique CDR3
4 unique J

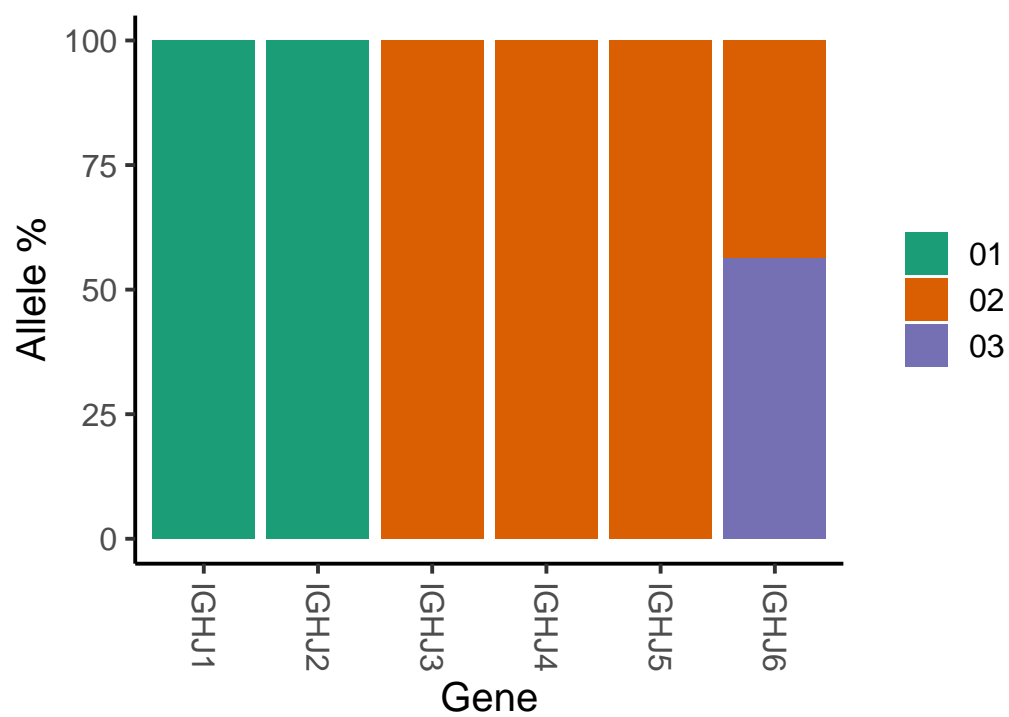


IGHV5-51*01

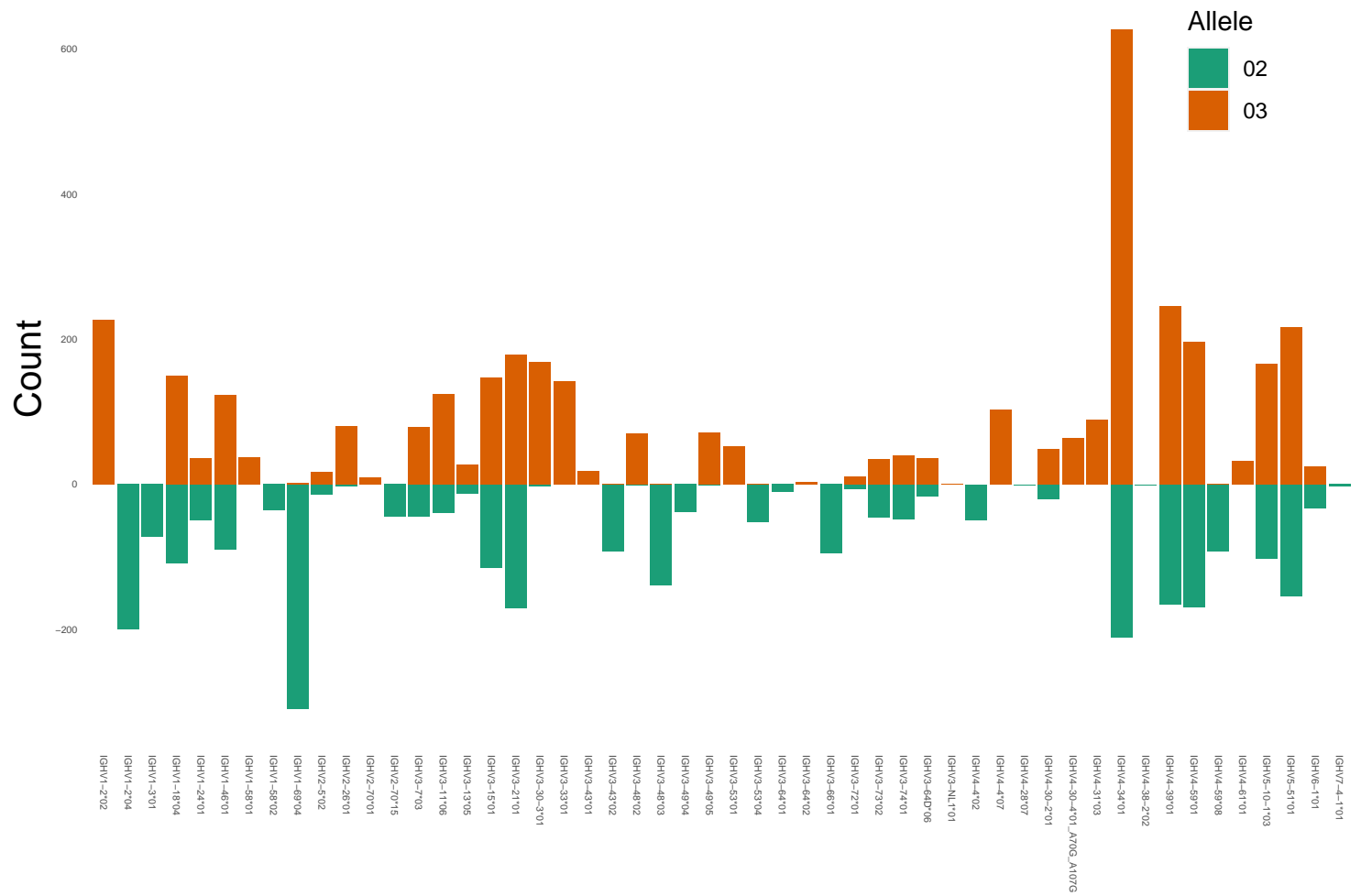
1972 sequences assigned
1764 (89.5%) exact matches, in which:
1650 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.