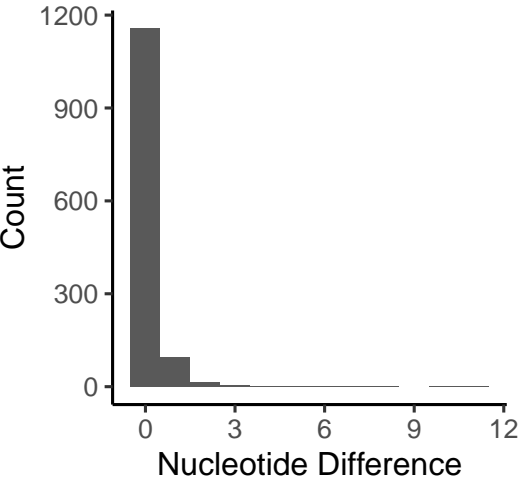


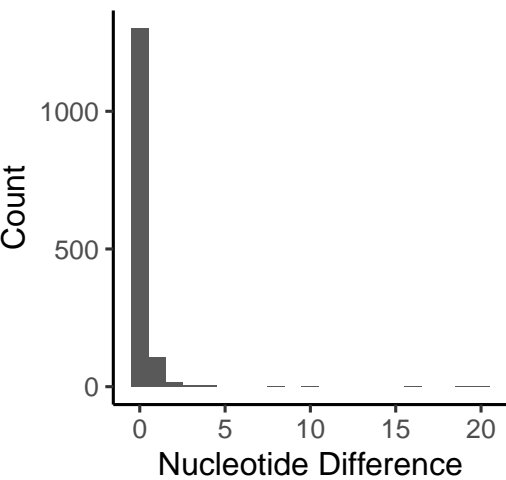
IGHV1-2*02

1286 sequences assigned
1157 (90%) exact matches, in which:
1074 unique CDR3
6 unique J



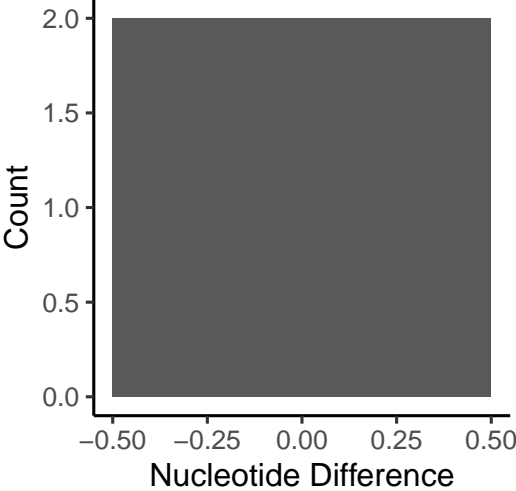
IGHV1-18*04

1441 sequences assigned
1301 (90.3%) exact matches, in which:
1232 unique CDR3
7 unique J



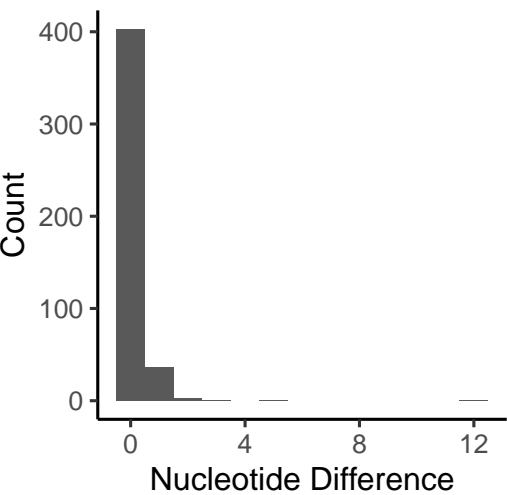
IGHV1-45*03

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



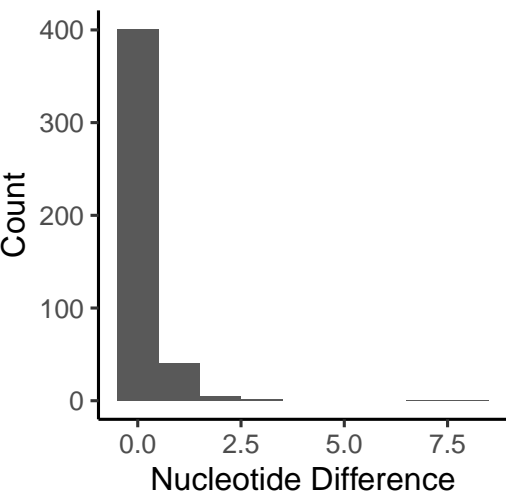
IGHV1-2*04

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



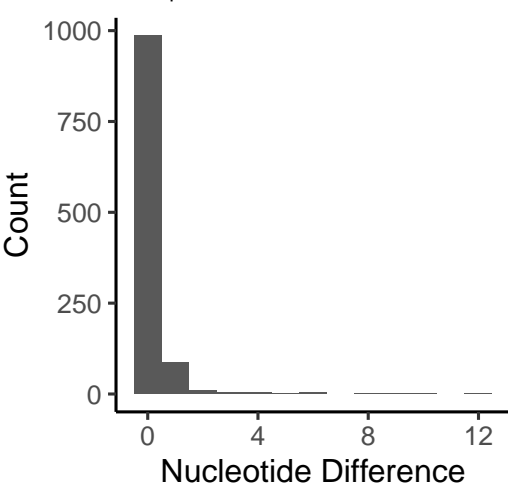
IGHV1-24*01

450 sequences assigned
401 (89.1%) exact matches, in which:
378 unique CDR3
7 unique J



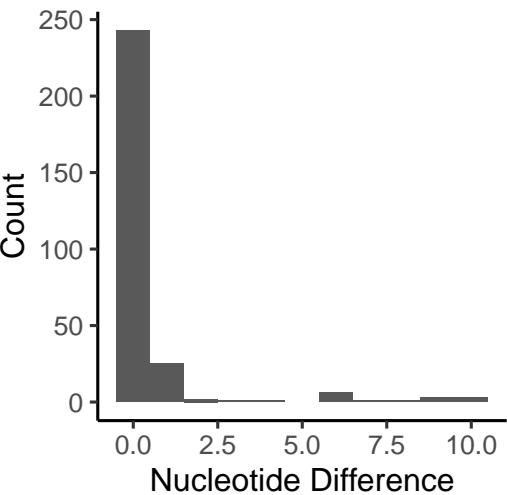
IGHV1-46*01

1099 sequences assigned
986 (89.7%) exact matches, in which:
932 unique CDR3
7 unique J



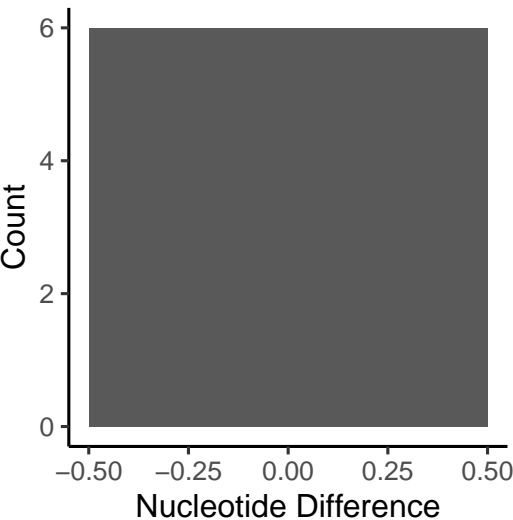
IGHV1-3*01

286 sequences assigned
243 (85%) exact matches, in which:
238 unique CDR3
6 unique J



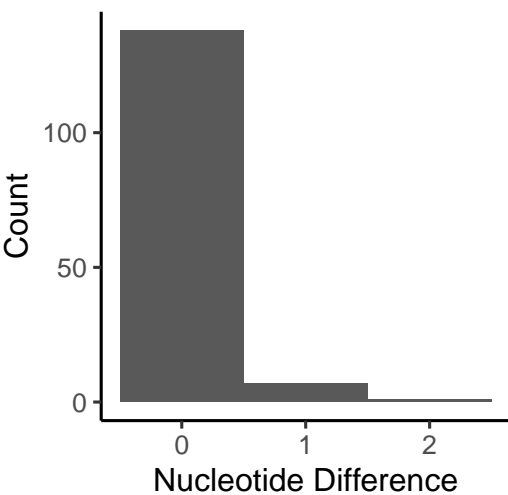
IGHV1-45*02

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



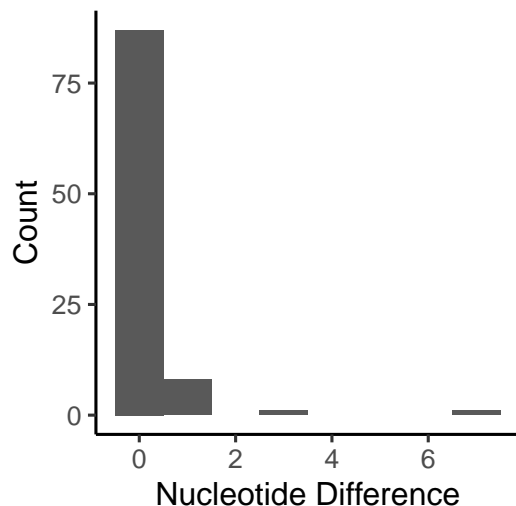
IGHV1-58*01

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



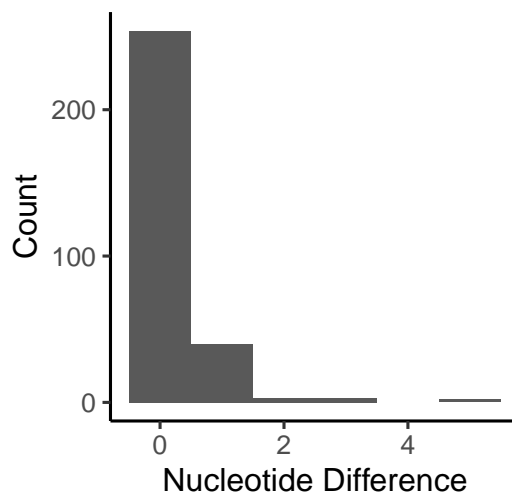
IGHV1-58*02

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



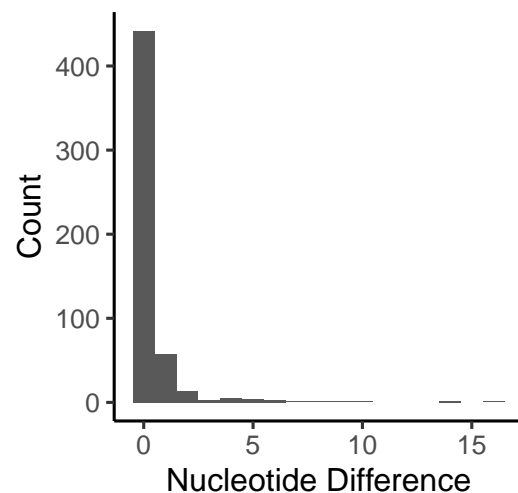
IGHV2-26*01

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



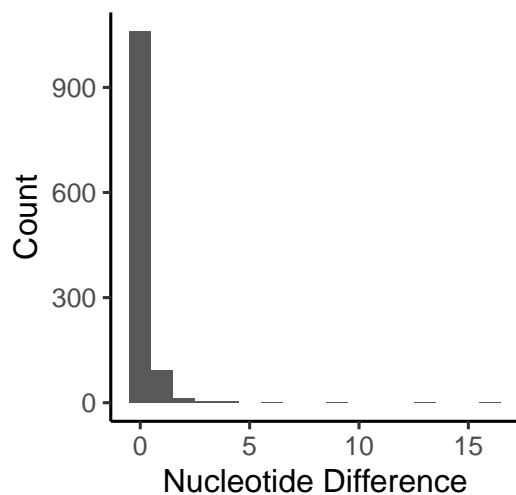
IGHV3-7*03

536 sequences assigned
442 (82.5%) exact matches, in which:
417 unique CDR3
7 unique J



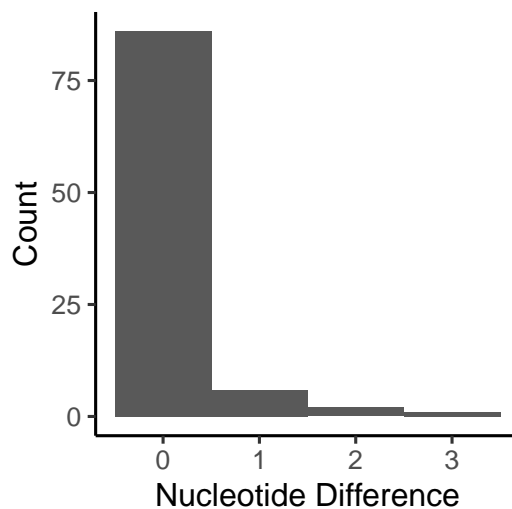
IGHV1-69*04

1179 sequences assigned
1061 (90%) exact matches, in which:
994 unique CDR3
7 unique J



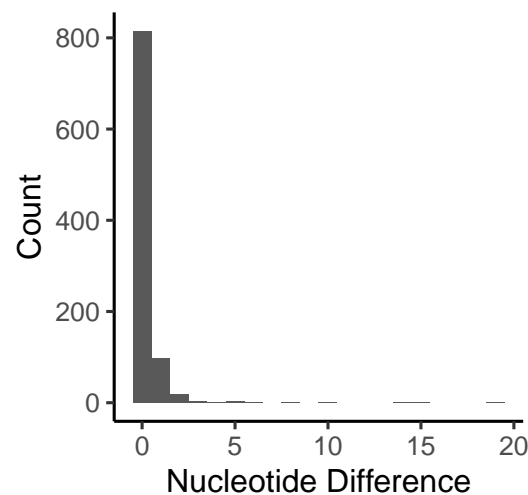
IGHV2-70*01

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



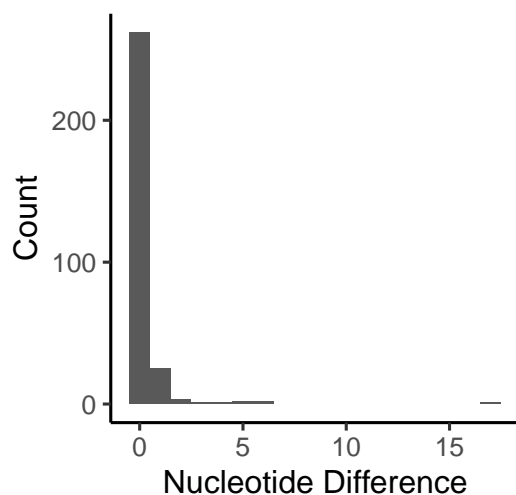
IGHV3-11*06

947 sequences assigned
815 (86.1%) exact matches, in which:
774 unique CDR3
7 unique J



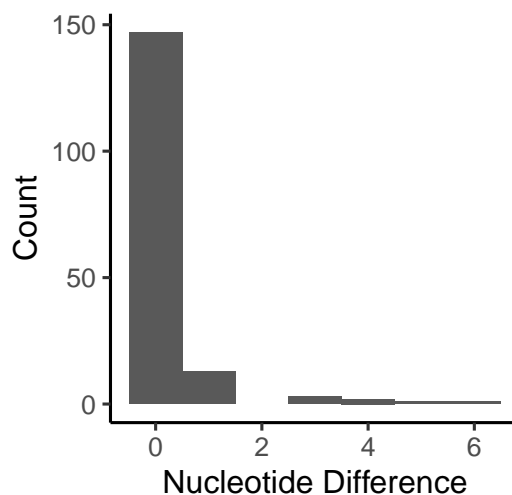
IGHV2-5*02

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



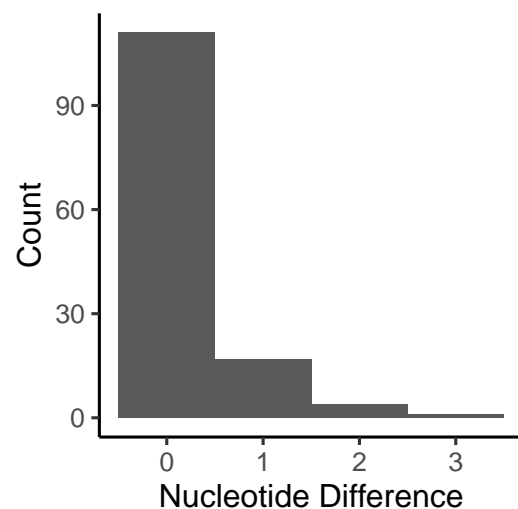
IGHV2-70*15

167 sequences assigned
147 (88%) exact matches, in which:
145 unique CDR3
6 unique J



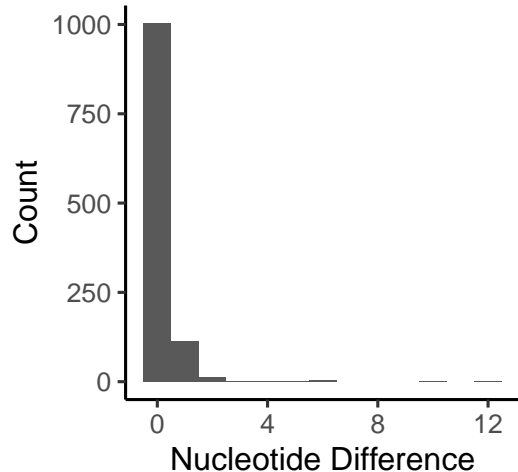
IGHV3-13*05

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



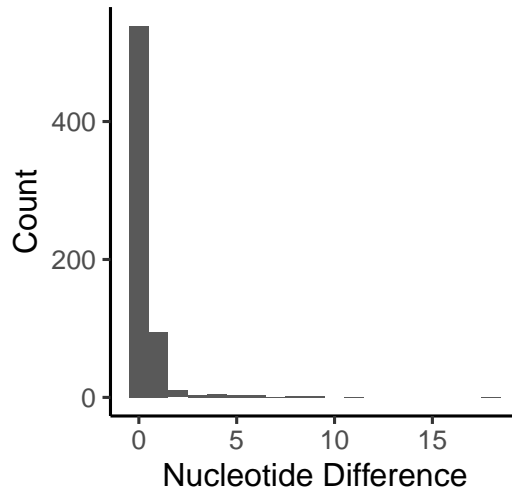
IGHV3–15*01

1141 sequences assigned
1003 (87.9%) exact matches, in which:
957 unique CDR3
7 unique J



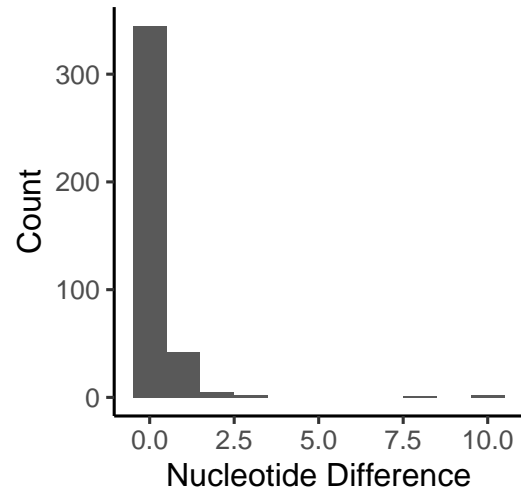
IGHV3–33*01

667 sequences assigned
539 (80.8%) exact matches, in which:
492 unique CDR3
6 unique J



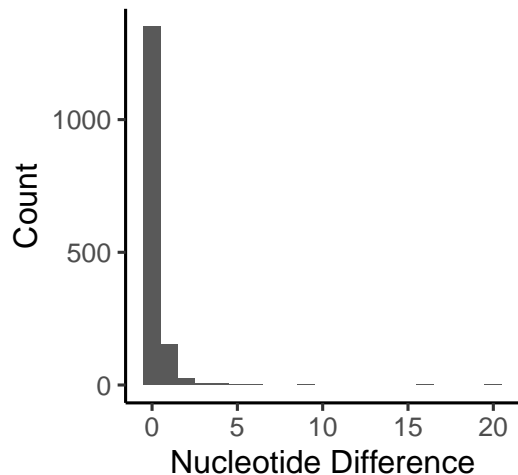
IGHV3–43*02

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



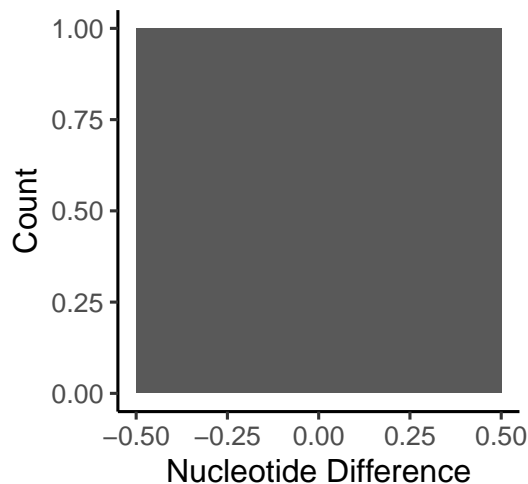
IGHV3–21*01

1543 sequences assigned
1350 (87.5%) exact matches, in which:
1267 unique CDR3
7 unique J



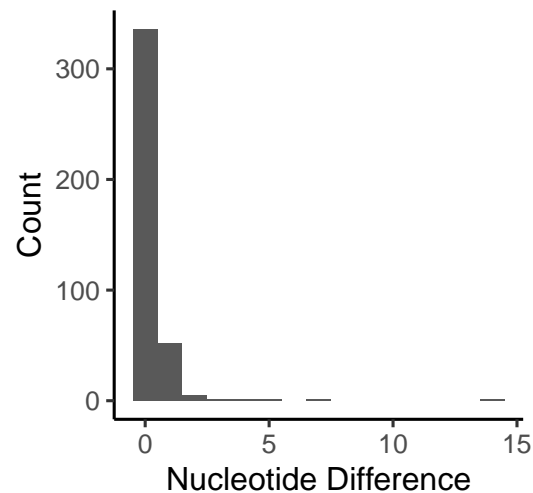
IGHV3–35*01

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



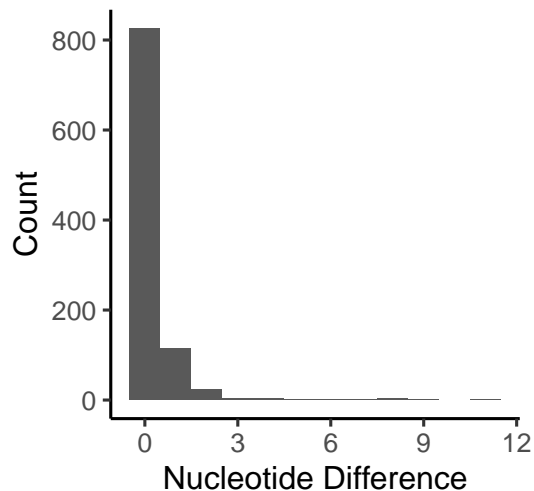
IGHV3–48*02

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



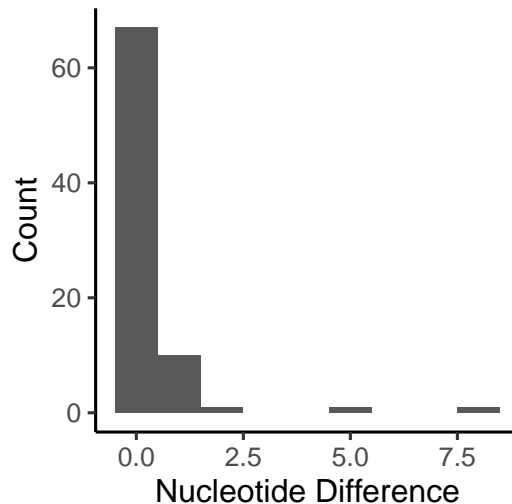
IGHV3–30–3*01

984 sequences assigned
826 (83.9%) exact matches, in which:
771 unique CDR3
7 unique J



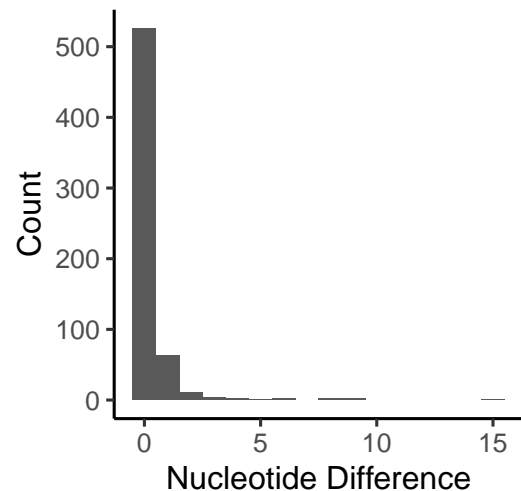
IGHV3–43*01

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



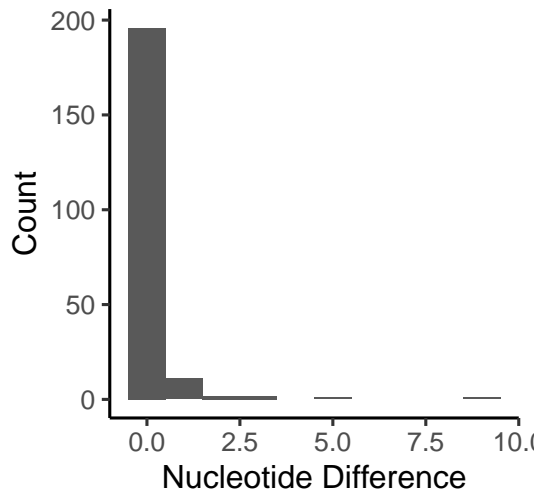
IGHV3–48*03

614 sequences assigned
526 (85.7%) exact matches, in which:
508 unique CDR3
7 unique J



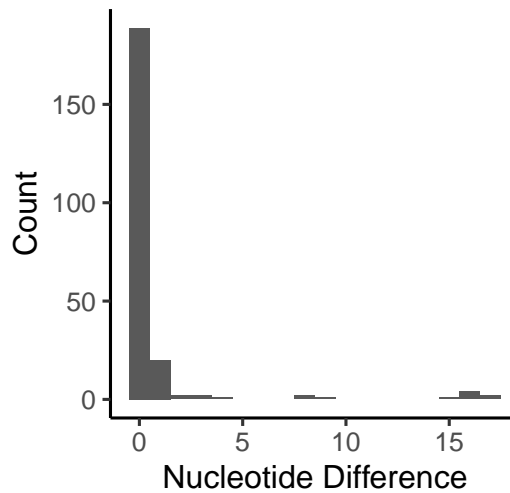
IGHV3–49*04

213 sequences assigned
196 (92%) exact matches, in which:
188 unique CDR3
6 unique J



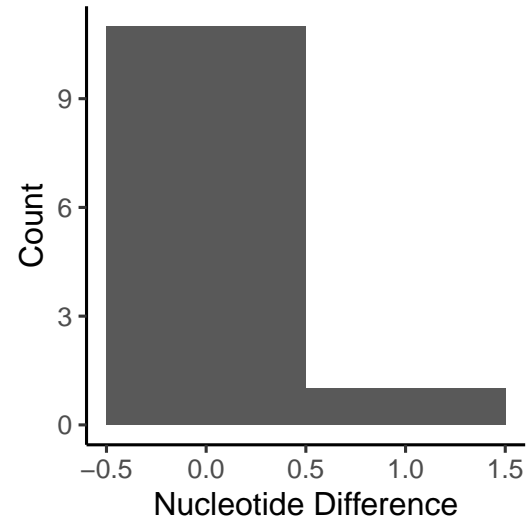
IGHV3–53*01

224 sequences assigned
189 (84.4%) exact matches, in which:
176 unique CDR3
5 unique J



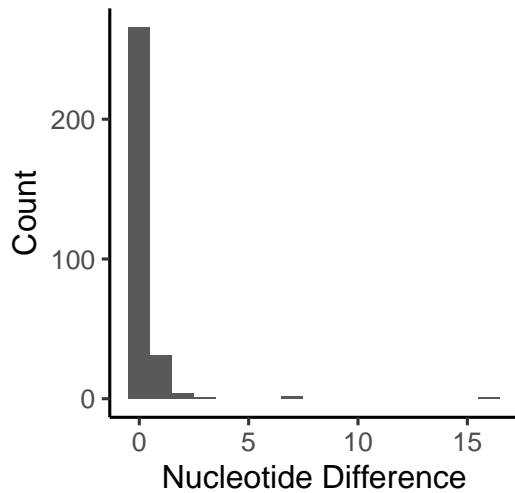
IGHV3–64*02

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



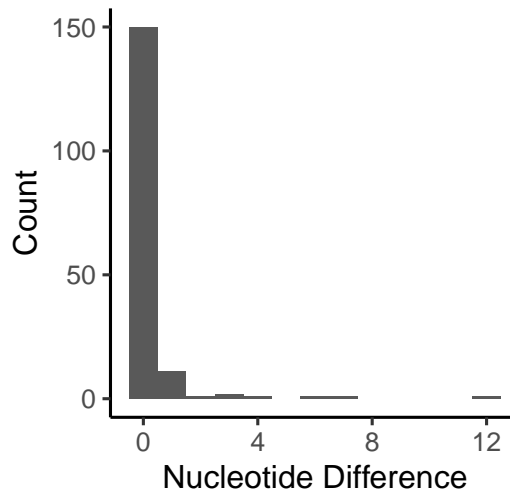
IGHV3–49*05

305 sequences assigned
266 (87.2%) exact matches, in which:
252 unique CDR3
7 unique J



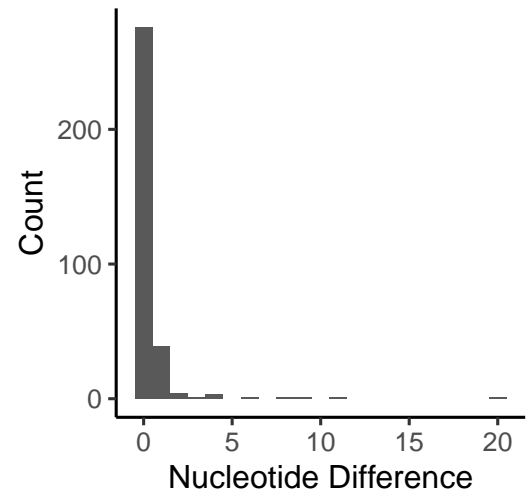
IGHV3–53*04

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



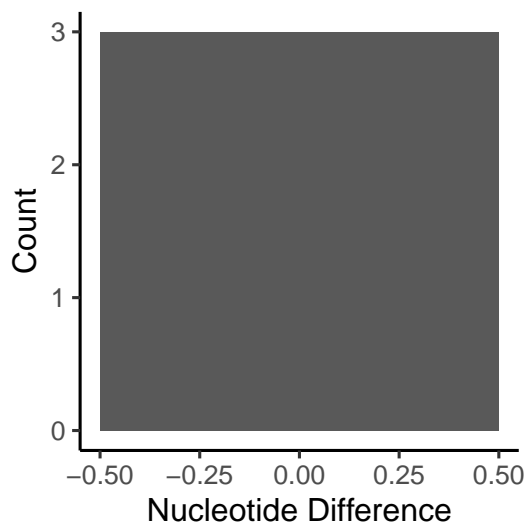
IGHV3–66*01

328 sequences assigned
276 (84.1%) exact matches, in which:
259 unique CDR3
6 unique J



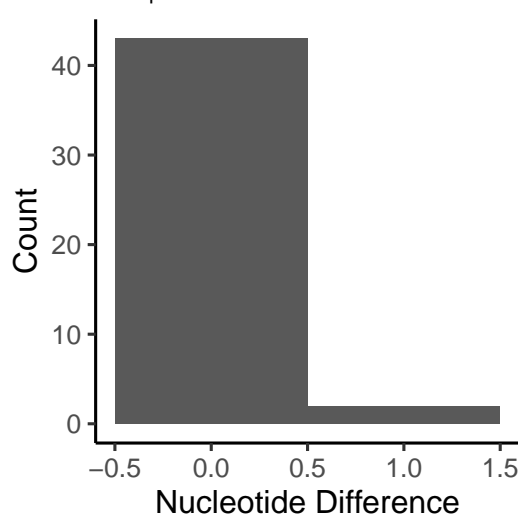
IGHV3–52*01

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



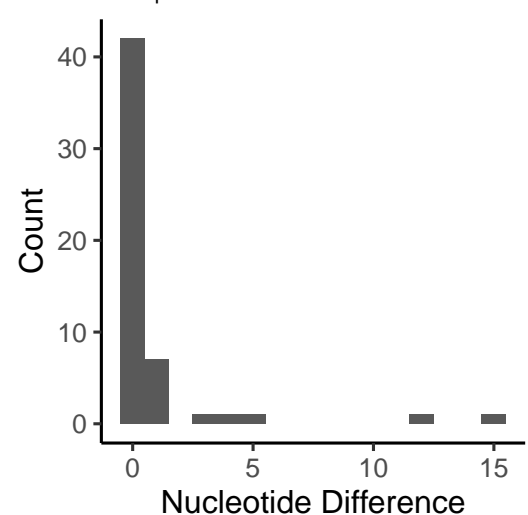
IGHV3–64*01

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



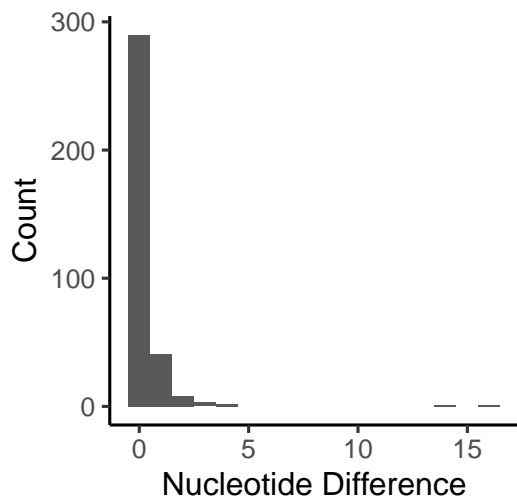
IGHV3–72*01

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



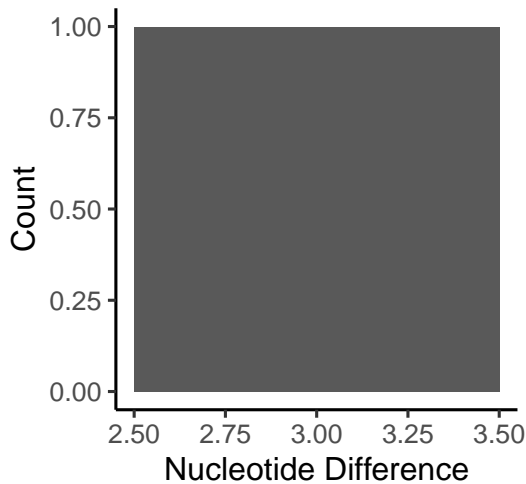
IGHV3-73*02

346 sequences assigned
290 (83.8%) exact matches, in which:
271 unique CDR3
6 unique J



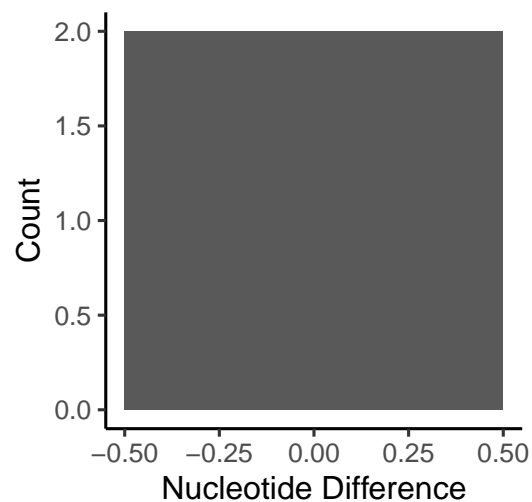
IGHV3-NL1*01

1 sequences assigned
No exact matches.



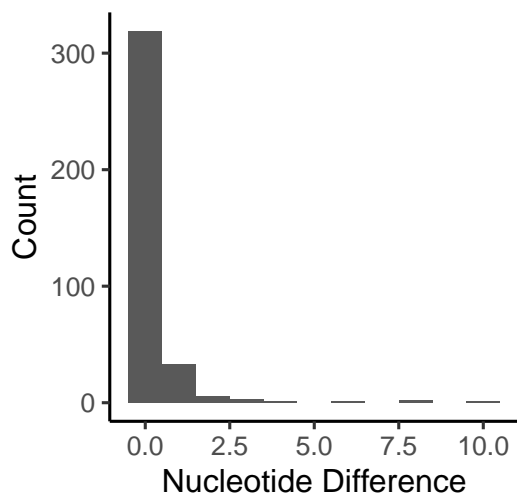
IGHV4-28*01

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



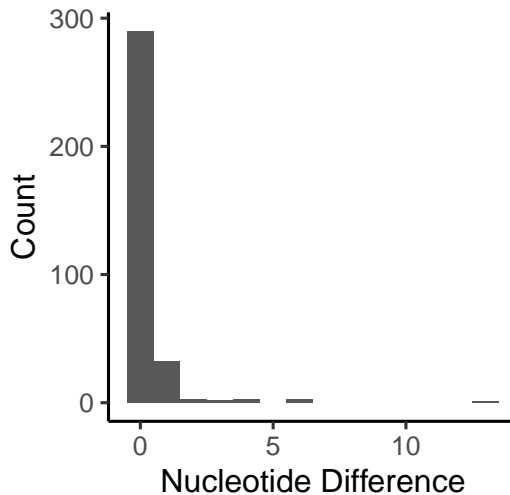
IGHV3-74*01

366 sequences assigned
319 (87.2%) exact matches, in which:
306 unique CDR3
7 unique J



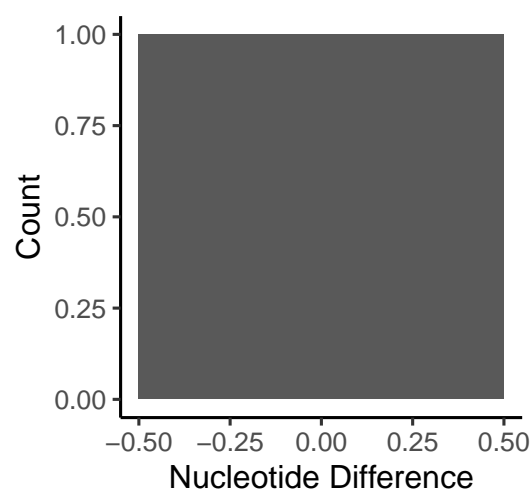
IGHV4-4*02

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



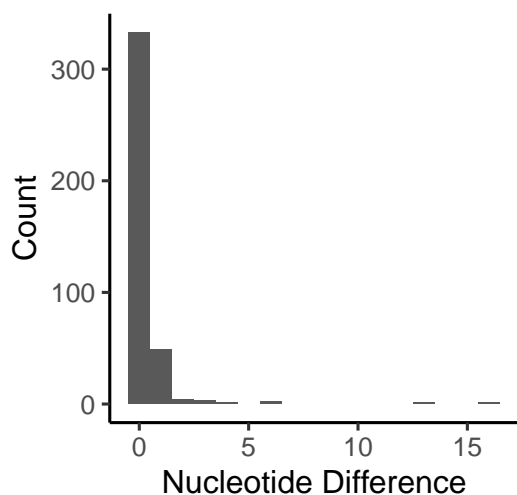
IGHV4-28*03

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



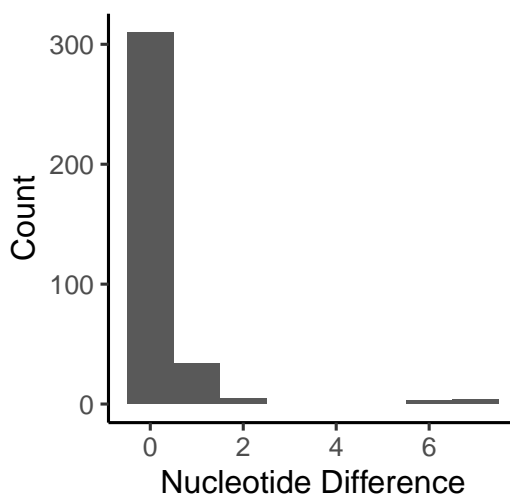
IGHV3-64D*06

394 sequences assigned
333 (84.5%) exact matches, in which:
311 unique CDR3
7 unique J



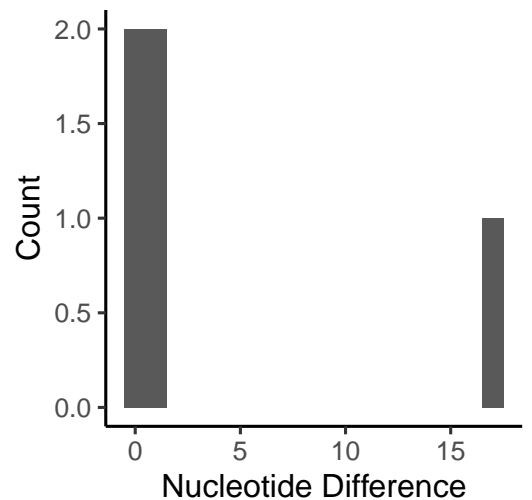
IGHV4-4*07

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



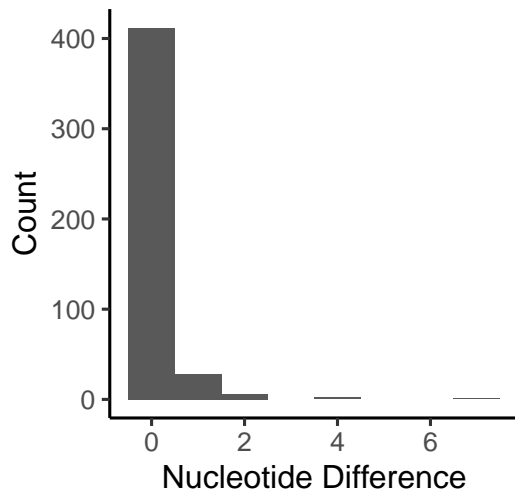
IGHV4-28*07

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



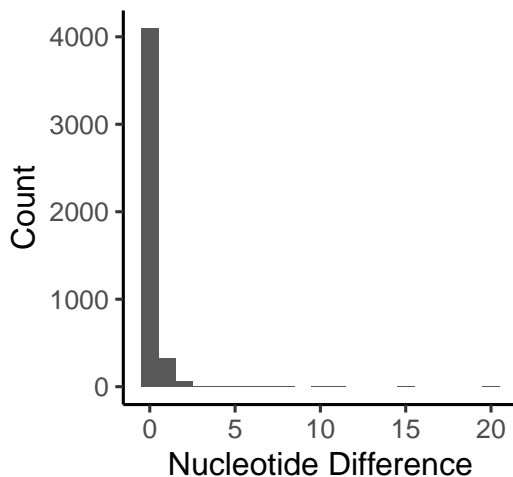
IGHV4-30-2*01

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



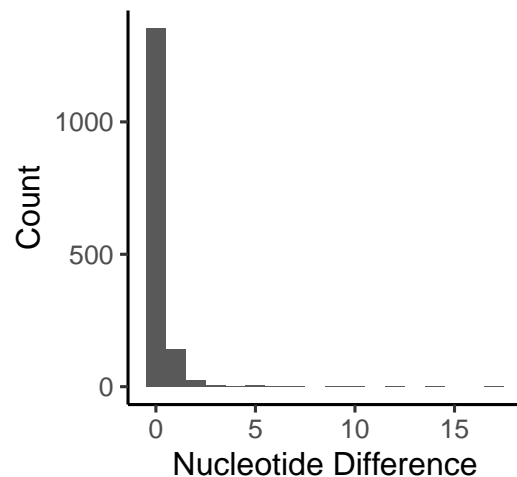
IGHV4-34*01

4522 sequences assigned
4096 (90.6%) exact matches, in which:
3744 unique CDR3
7 unique J



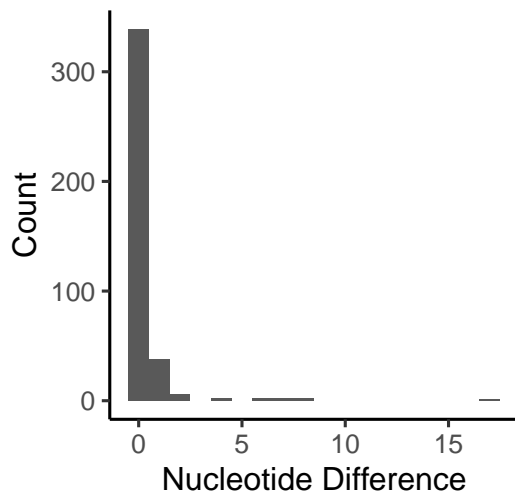
IGHV4-59*01

1542 sequences assigned
1353 (87.7%) exact matches, in which:
1315 unique CDR3
7 unique J



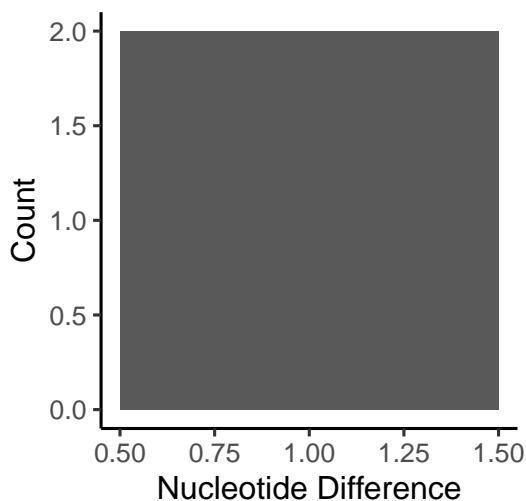
IGHV4-30-4*01_A70G_/_

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



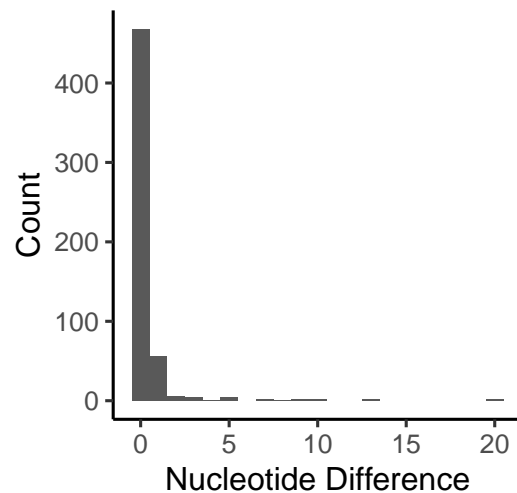
IGHV4-38-2*02

2 sequences assigned
No exact matches.



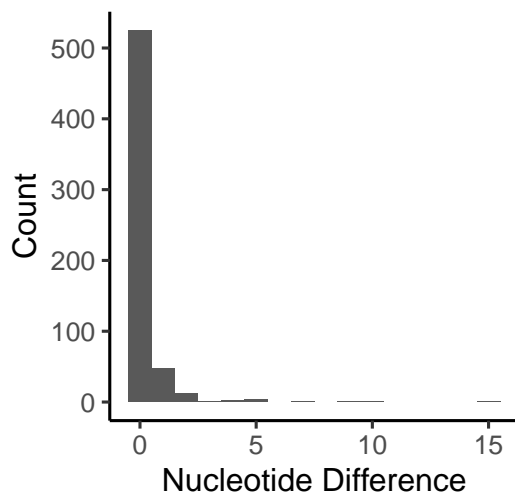
IGHV4-59*08

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



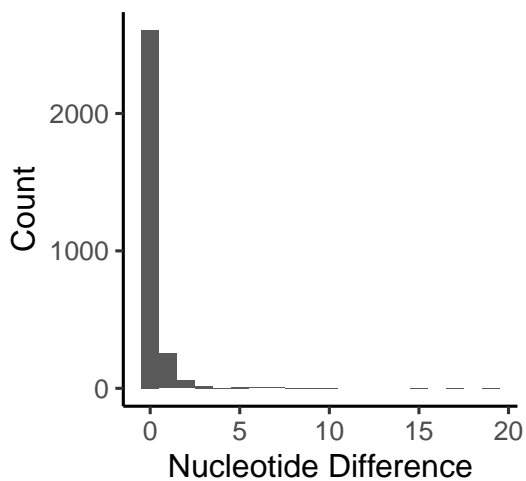
IGHV4-31*03

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



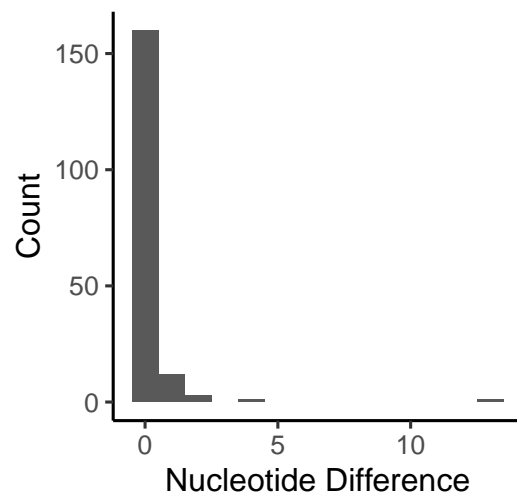
IGHV4-39*01

2980 sequences assigned
2607 (87.5%) exact matches, in which:
2422 unique CDR3
7 unique J



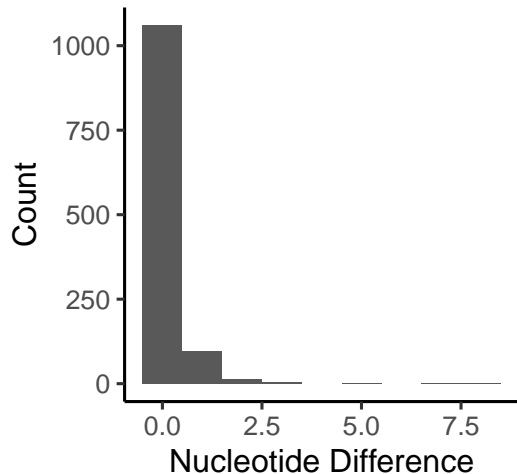
IGHV4-61*01

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



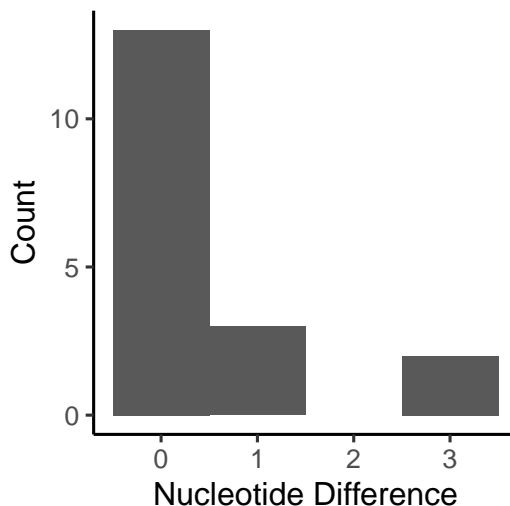
IGHV5-10-1*03

1177 sequences assigned
1060 (90.1%) exact matches, in which:
1001 unique CDR3
7 unique J



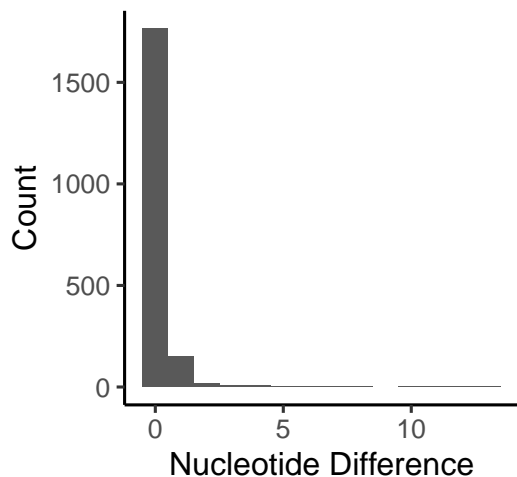
IGHV7-4-1*01

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



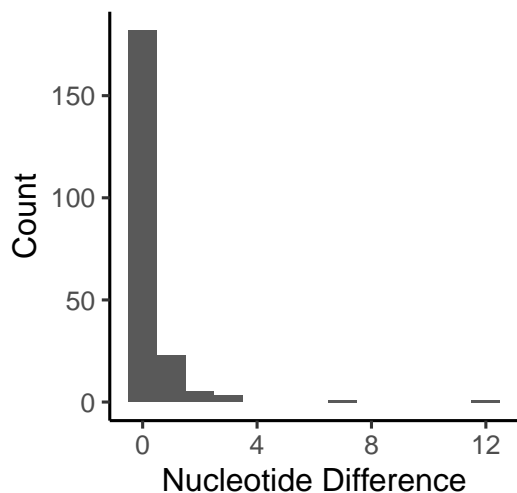
IGHV5-51*01

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

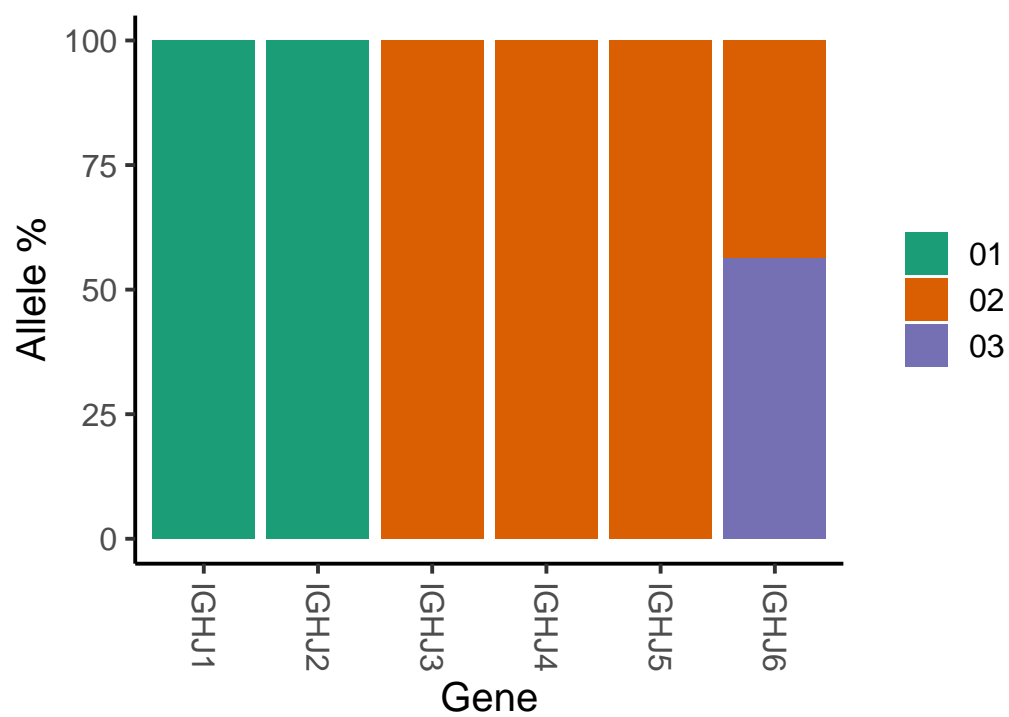


IGHV6-1*01

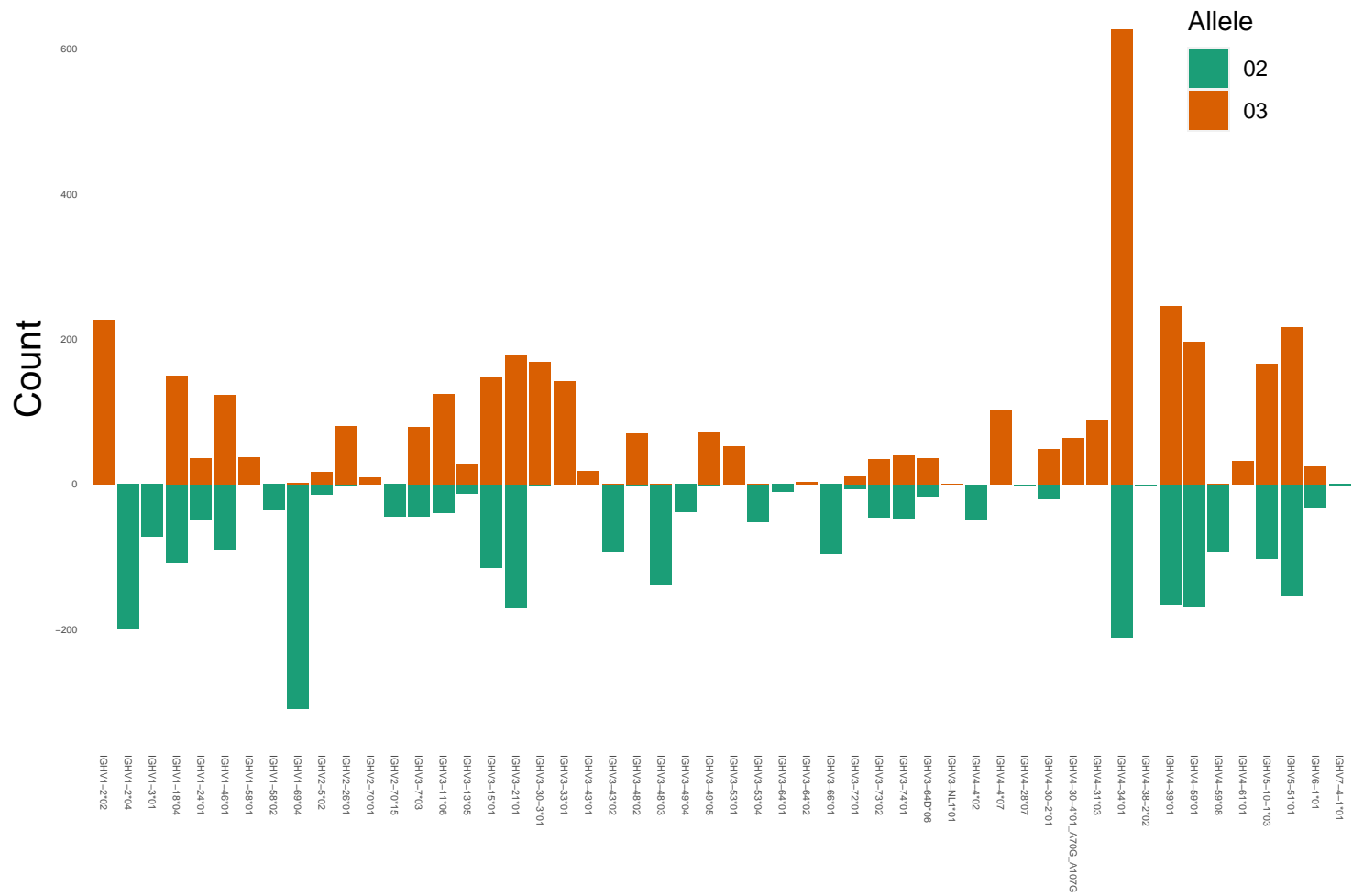
215 sequences assigned
182 (84.7%) exact matches, in which:
175 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.