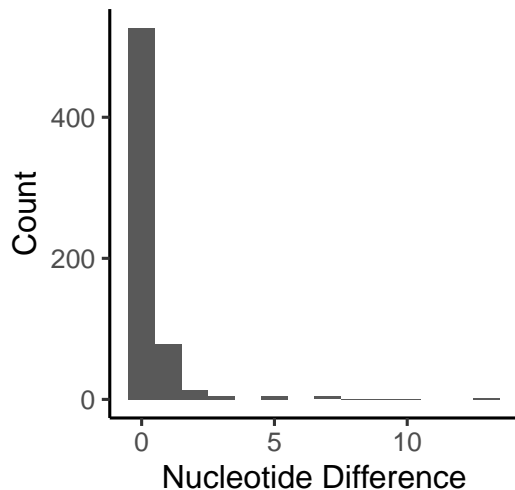


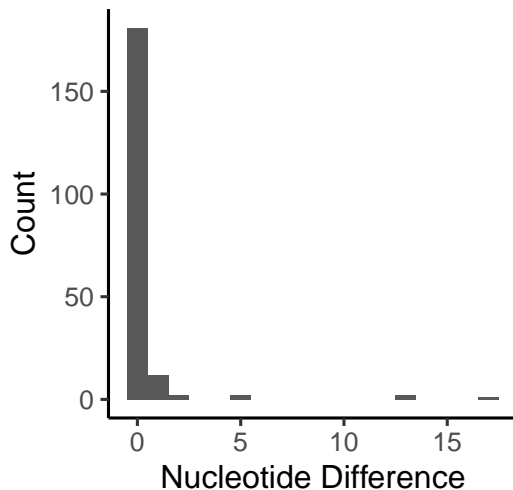
IGHV1-2*06

639 sequences assigned
527 (82.5%) exact matches, in which:
506 unique CDR3
6 unique J



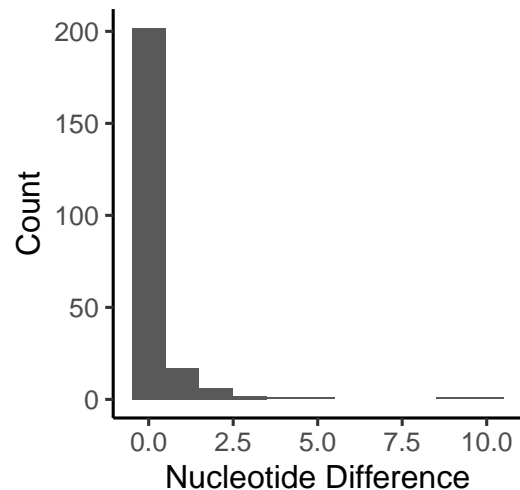
IGHV1-24*01

200 sequences assigned
181 (90.5%) exact matches, in which:
176 unique CDR3
7 unique J



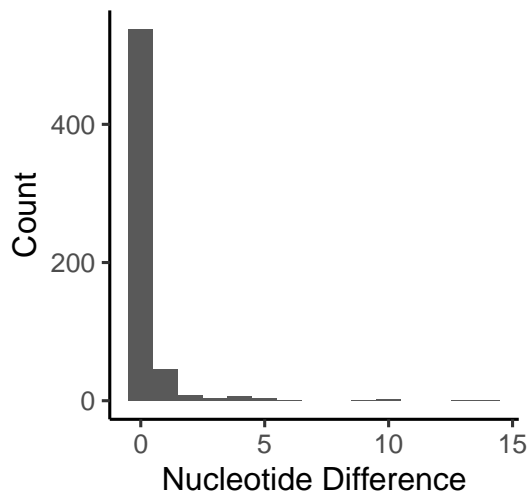
IGHV1-46*03

231 sequences assigned
202 (87.4%) exact matches, in which:
193 unique CDR3
6 unique J



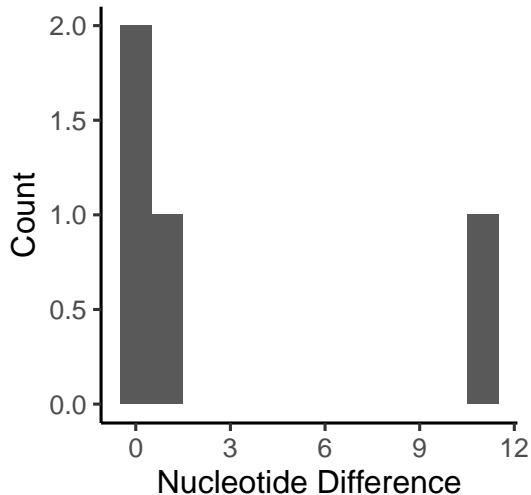
IGHV1-3*01

609 sequences assigned
538 (88.3%) exact matches, in which:
523 unique CDR3
7 unique J



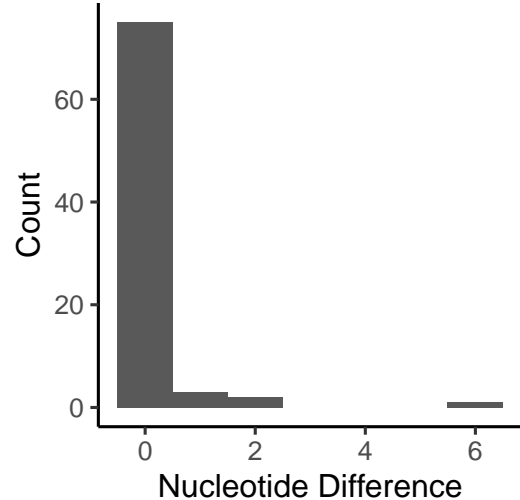
IGHV1-45*02

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



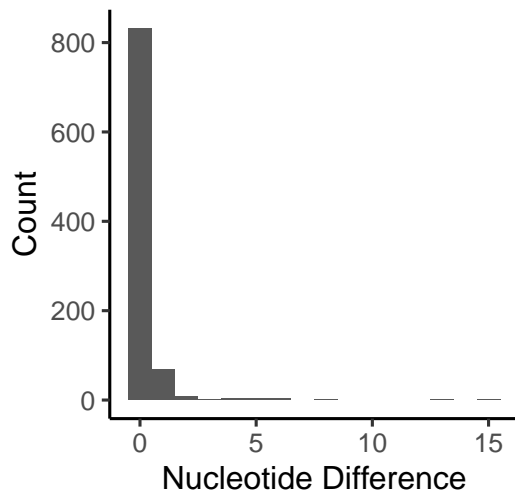
IGHV1-58*02

81 sequences assigned
75 (92.6%) exact matches, in which:
72 unique CDR3
5 unique J



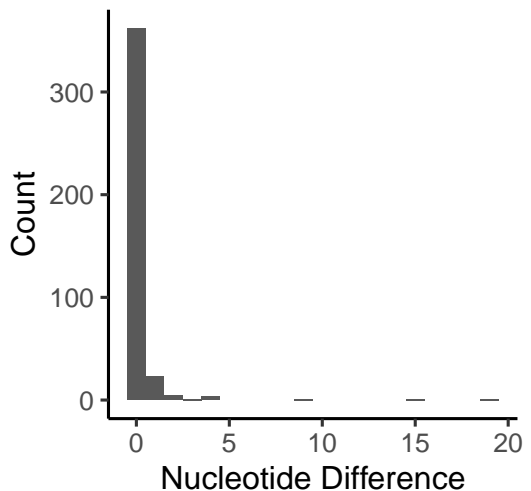
IGHV1-18*01

929 sequences assigned
832 (89.6%) exact matches, in which:
816 unique CDR3
7 unique J



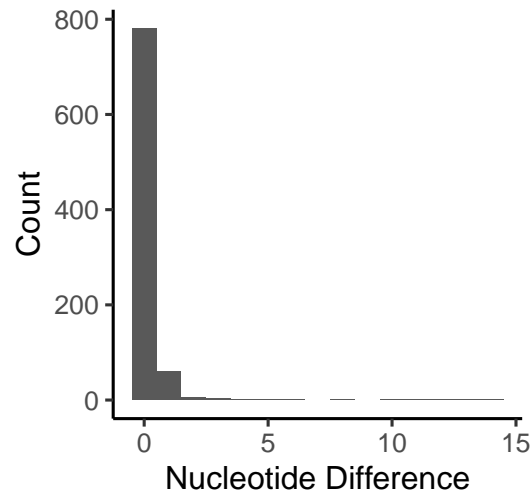
IGHV1-46*01

397 sequences assigned
362 (91.2%) exact matches, in which:
354 unique CDR3
6 unique J



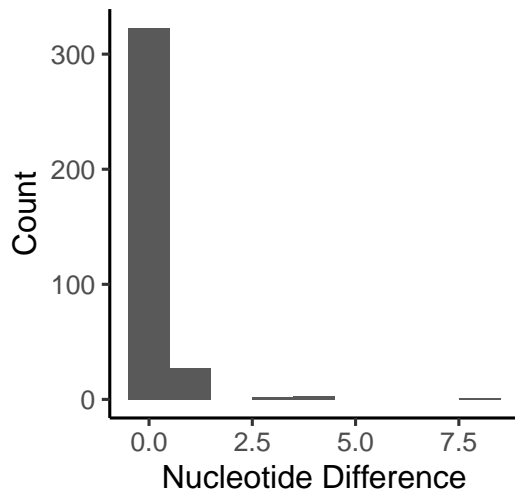
IGHV1-69*08_C191T

861 sequences assigned
781 (90.7%) exact matches, in which:
754 unique CDR3
7 unique J



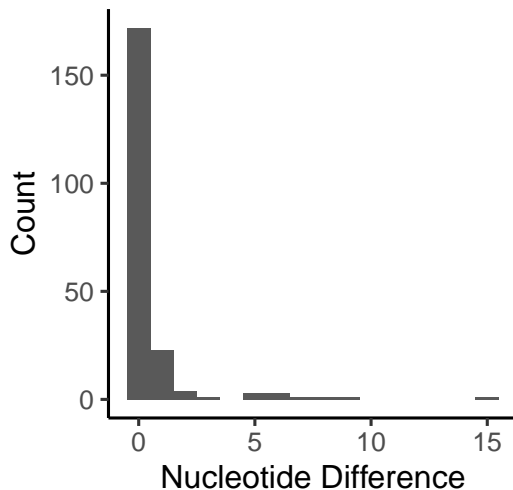
IGHV2–5*02

357 sequences assigned
323 (90.5%) exact matches, in which:
317 unique CDR3
7 unique J



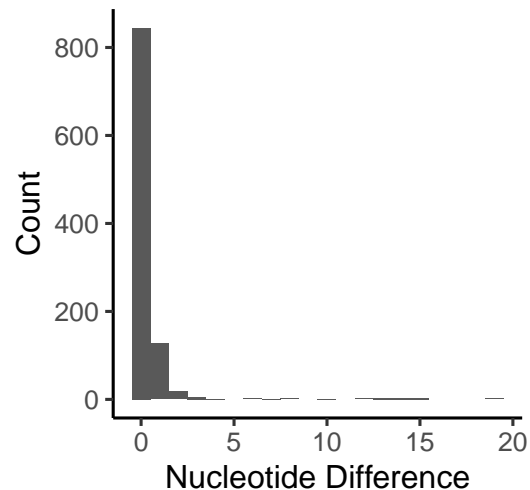
IGHV3–7*04

211 sequences assigned
172 (81.5%) exact matches, in which:
161 unique CDR3
6 unique J



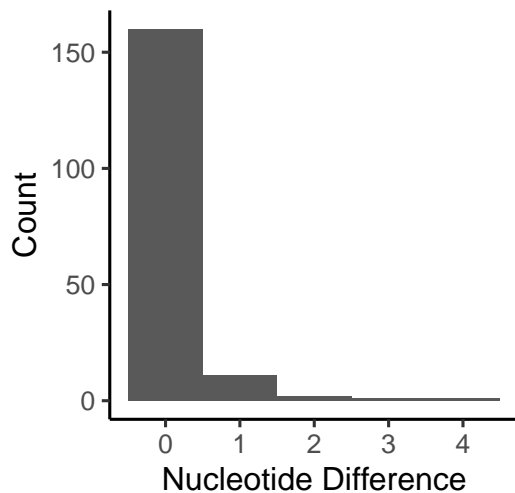
IGHV3–15*01

1019 sequences assigned
845 (82.9%) exact matches, in which:
813 unique CDR3
7 unique J



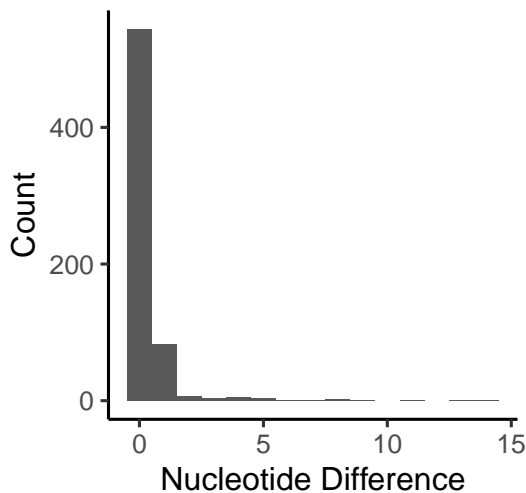
IGHV2–26*01

175 sequences assigned
160 (91.4%) exact matches, in which:
155 unique CDR3
7 unique J



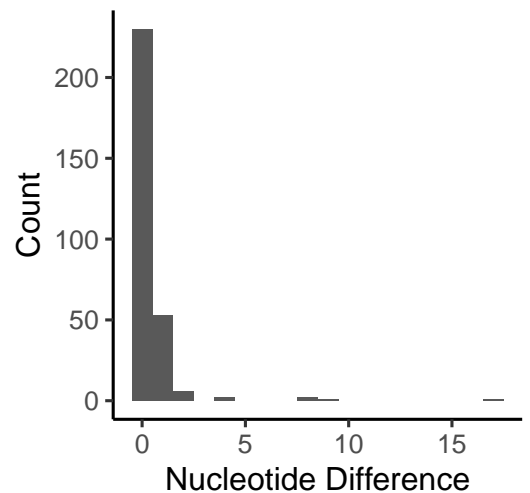
IGHV3–11*05

653 sequences assigned
544 (83.3%) exact matches, in which:
530 unique CDR3
7 unique J



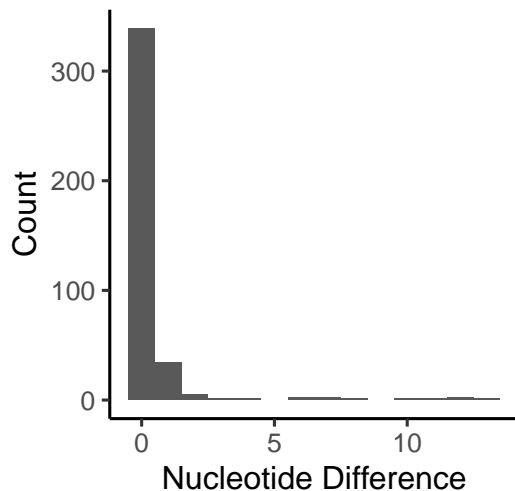
IGHV3–20*04

295 sequences assigned
230 (78%) exact matches, in which:
218 unique CDR3
7 unique J



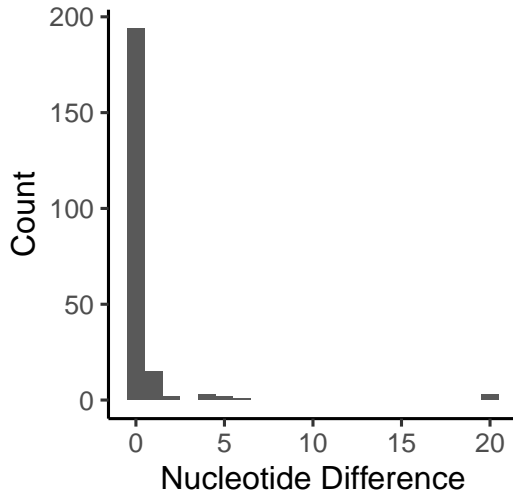
IGHV3–7*03

390 sequences assigned
339 (86.9%) exact matches, in which:
325 unique CDR3
6 unique J



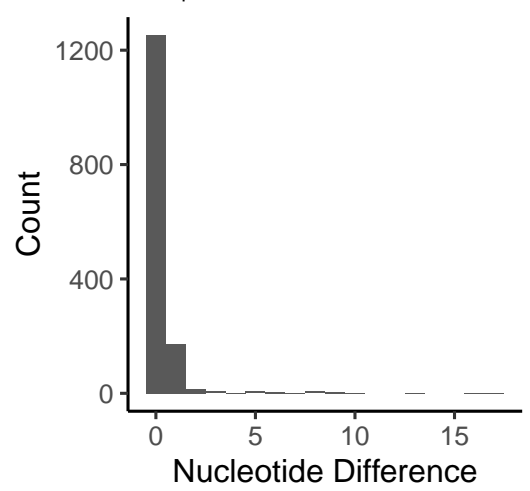
IGHV3–13*04

223 sequences assigned
194 (87%) exact matches, in which:
184 unique CDR3
6 unique J



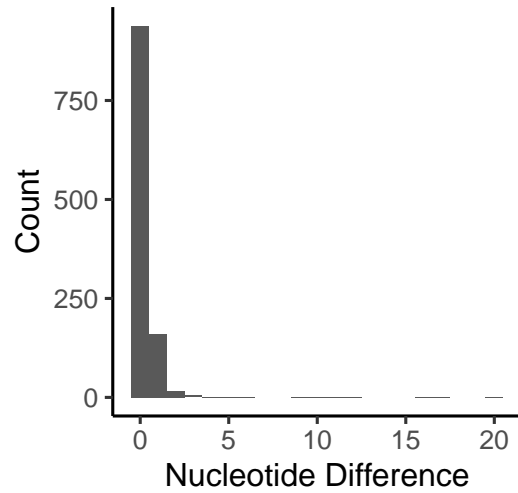
IGHV3–21*01

1479 sequences assigned
1253 (84.7%) exact matches, in which:
1199 unique CDR3
7 unique J



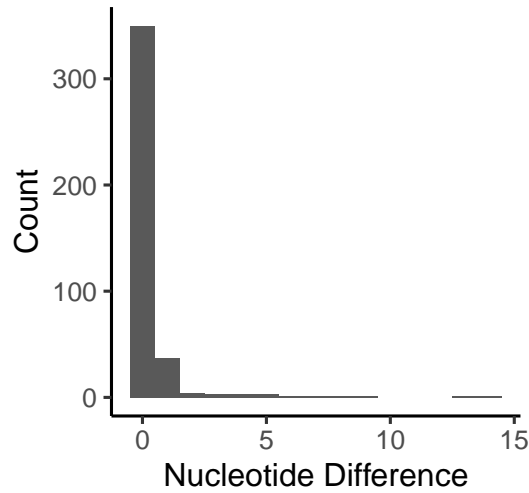
IGHV3–23*04

1138 sequences assigned
939 (82.5%) exact matches, in which:
893 unique CDR3
6 unique J



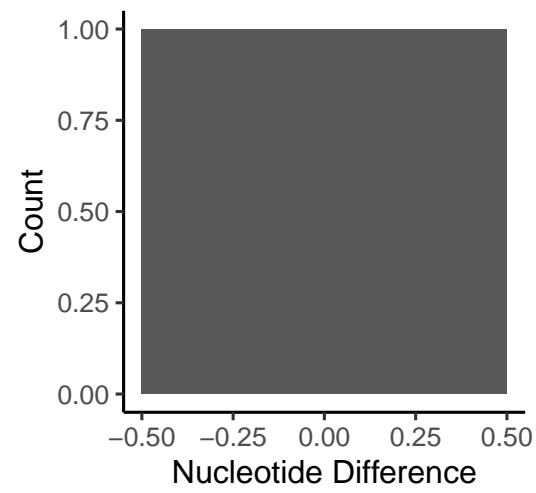
IGHV3–48*01

407 sequences assigned
350 (86%) exact matches, in which:
341 unique CDR3
6 unique J



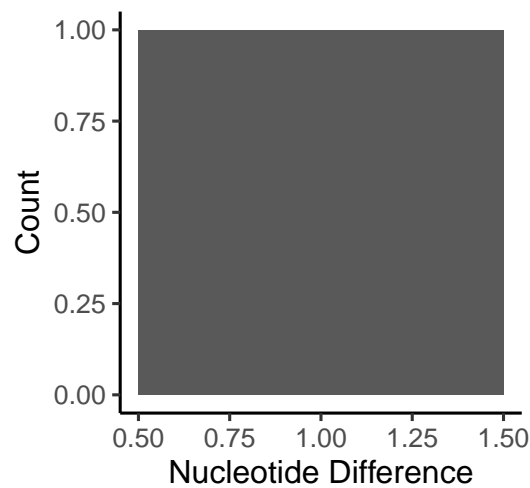
IGHV3–52*02

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



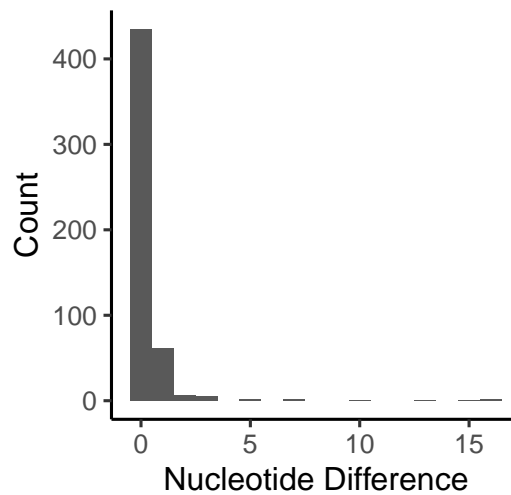
IGHV3–33*02

1 sequences assigned
No exact matches.



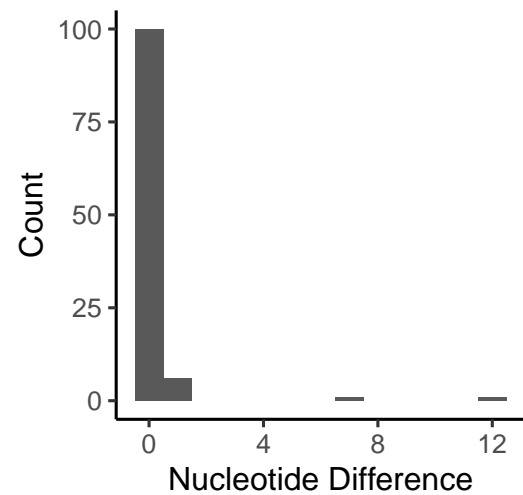
IGHV3–48*04

518 sequences assigned
435 (84%) exact matches, in which:
422 unique CDR3
6 unique J



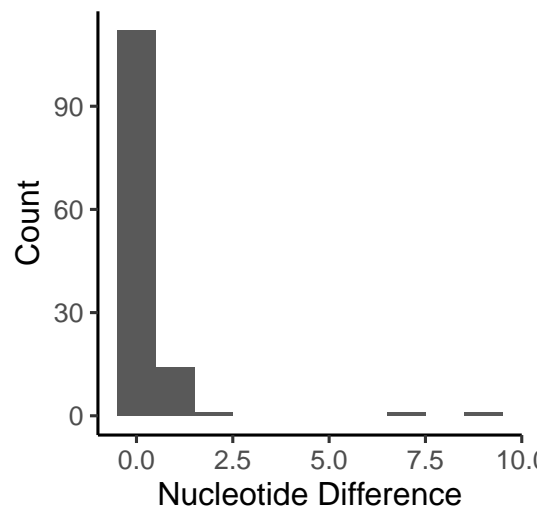
IGHV3–53*02

108 sequences assigned
100 (92.6%) exact matches, in which:
91 unique CDR3
6 unique J



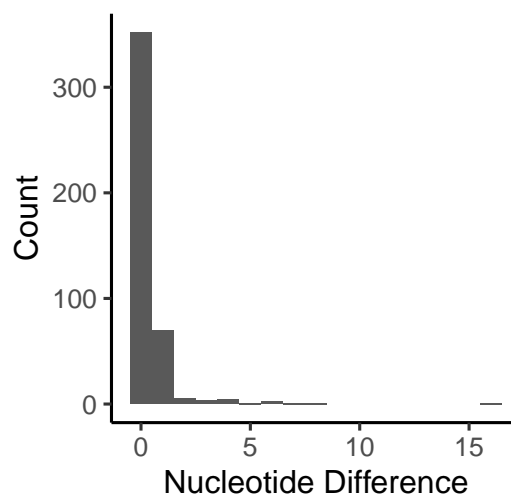
IGHV3–43*01

137 sequences assigned
112 (81.8%) exact matches, in which:
103 unique CDR3
6 unique J



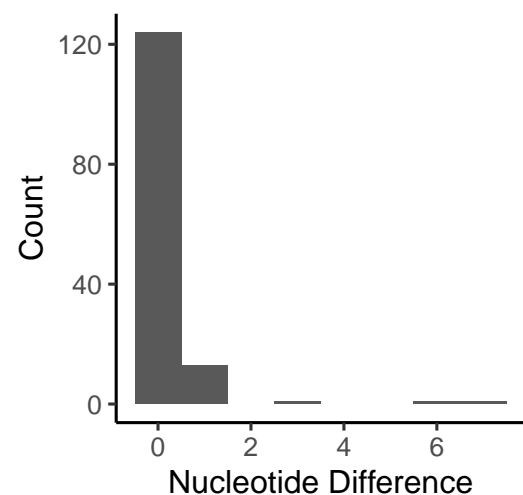
IGHV3–49*03

440 sequences assigned
352 (80%) exact matches, in which:
343 unique CDR3
7 unique J



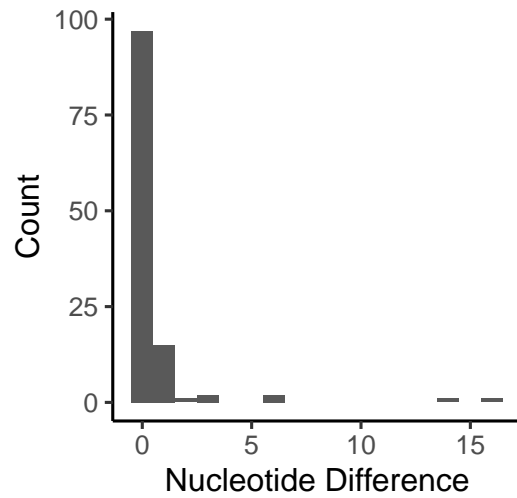
IGHV3–53*04

140 sequences assigned
124 (88.6%) exact matches, in which:
124 unique CDR3
6 unique J



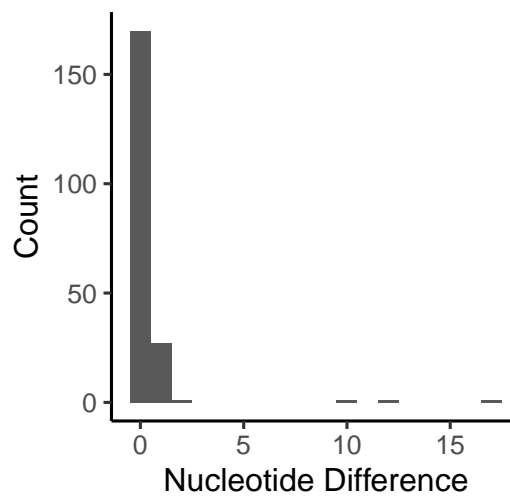
IGHV3-64*01

120 sequences assigned
97 (80.8%) exact matches, in which:
95 unique CDR3
6 unique J



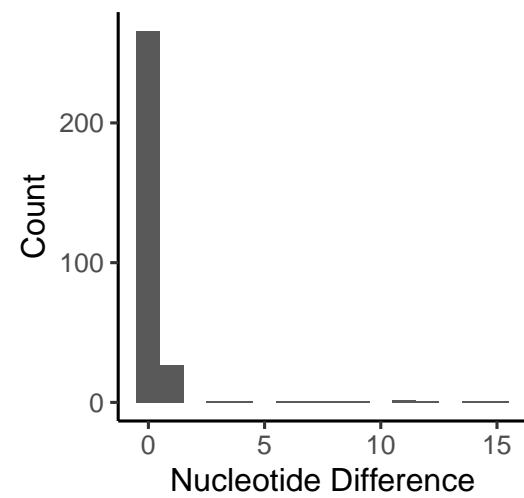
IGHV3-73*01

201 sequences assigned
170 (84.6%) exact matches, in which:
160 unique CDR3
5 unique J



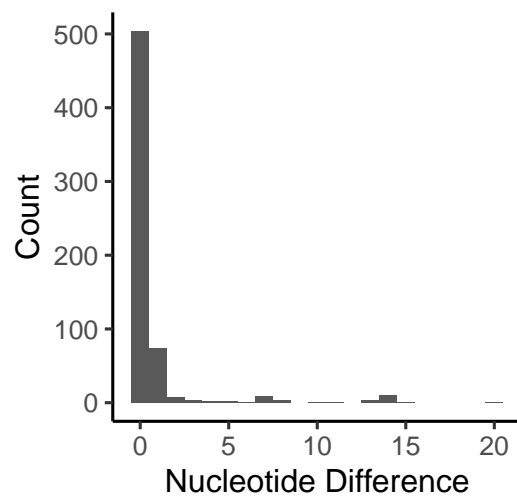
IGHV4-4*02

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



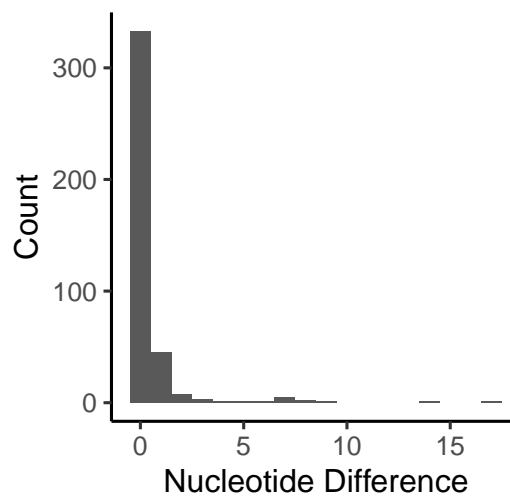
IGHV3-66*02

626 sequences assigned
504 (80.5%) exact matches, in which:
482 unique CDR3
7 unique J



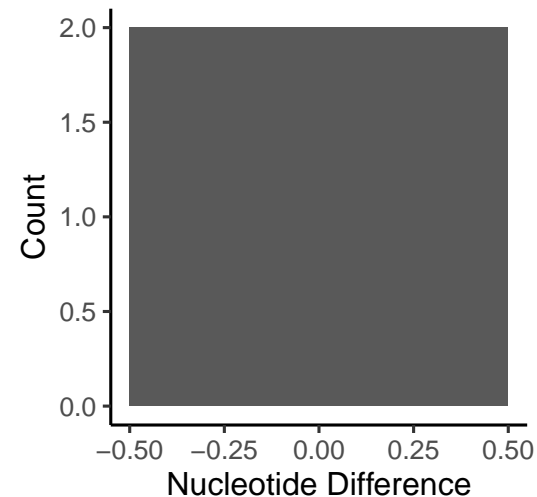
IGHV3-74*01

402 sequences assigned
333 (82.8%) exact matches, in which:
325 unique CDR3
7 unique J



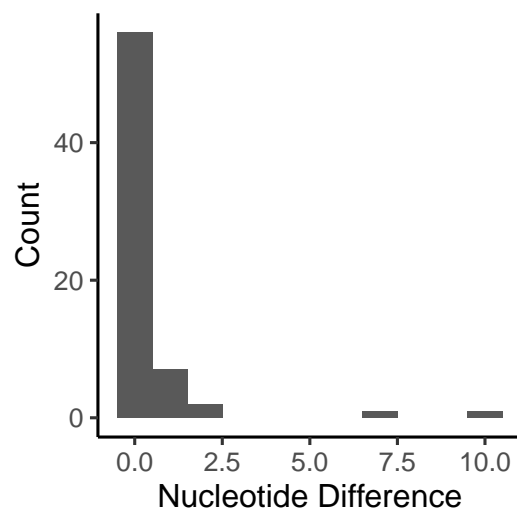
IGHV4-28*01

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



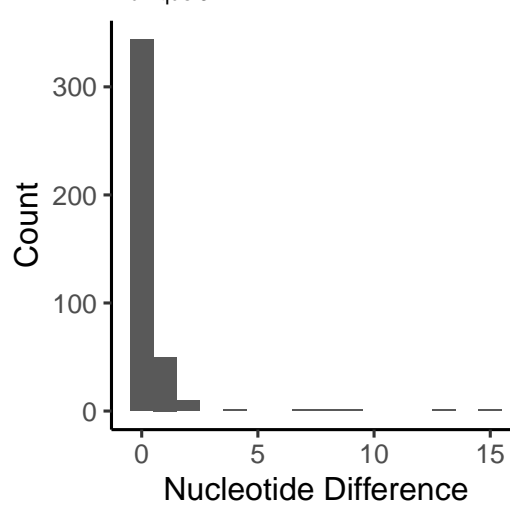
IGHV3-72*01

67 sequences assigned
56 (83.6%) exact matches, in which:
56 unique CDR3
6 unique J



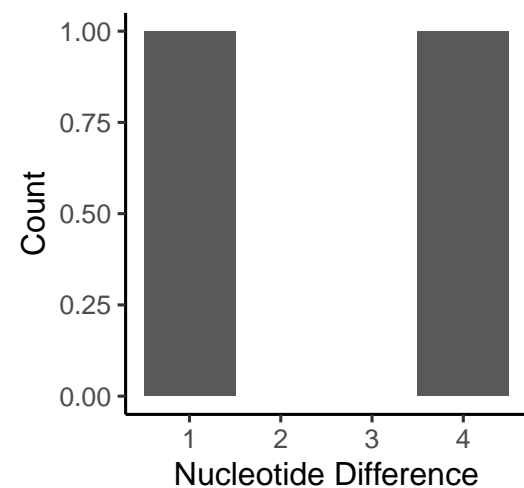
IGHV3-64D*06

411 sequences assigned
344 (83.7%) exact matches, in which:
325 unique CDR3
7 unique J



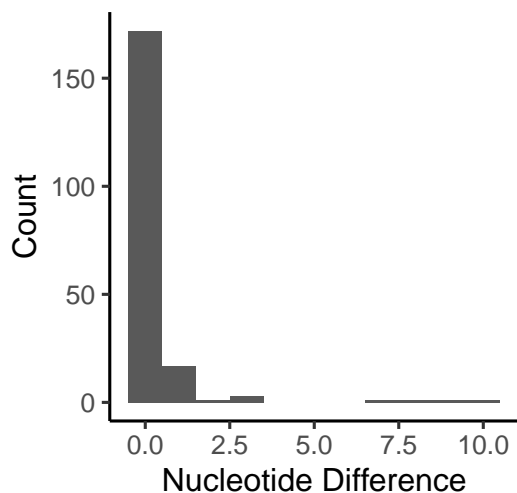
IGHV4-28*03

2 sequences assigned
No exact matches.



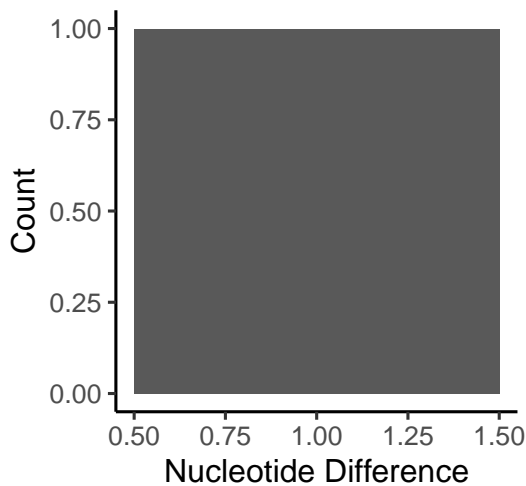
IGHV4-30-2*01

199 sequences assigned
172 (86.4%) exact matches, in which:
167 unique CDR3
6 unique J



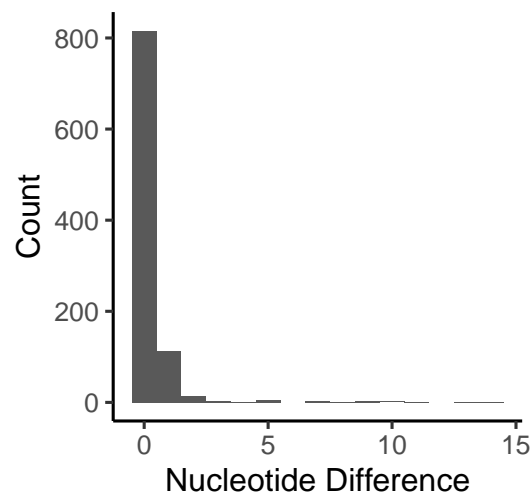
IGHV4-38-2*02

1 sequences assigned
No exact matches.



IGHV4-59*01

963 sequences assigned
816 (84.7%) exact matches, in which:
790 unique CDR3
7 unique J



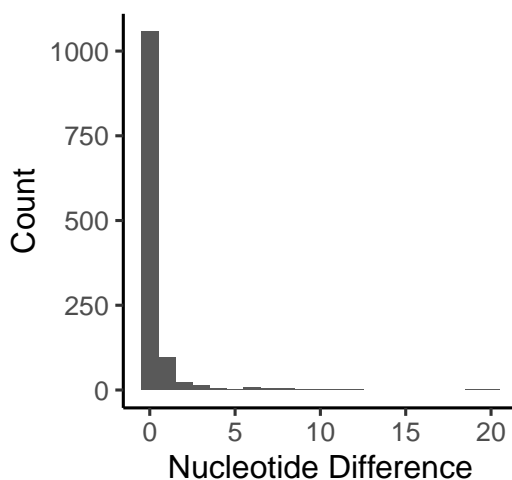
IGHV4-31*11

1 sequences assigned
No exact matches.



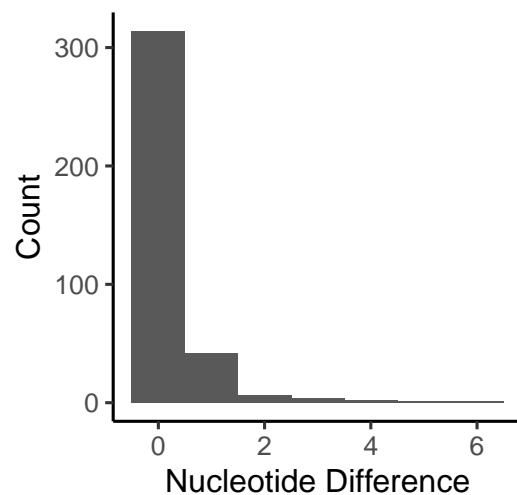
IGHV4-39*01

1218 sequences assigned
1057 (86.8%) exact matches, in which:
1025 unique CDR3
6 unique J



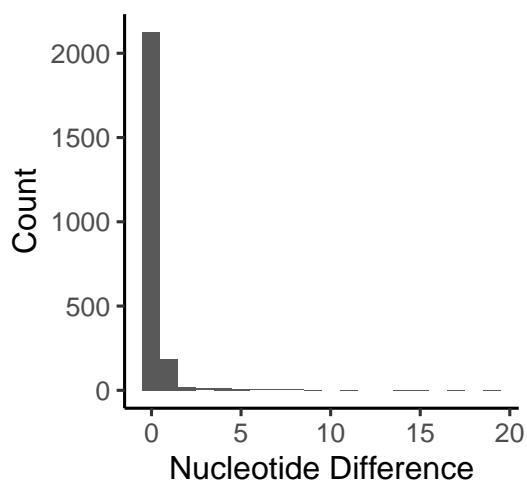
IGHV4-59*08

371 sequences assigned
314 (84.6%) exact matches, in which:
306 unique CDR3
6 unique J



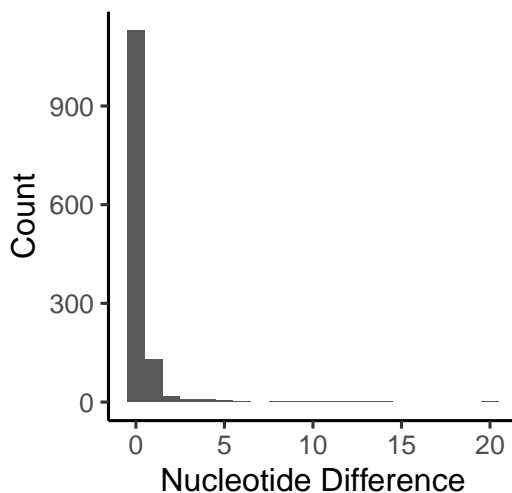
IGHV4-34*01

2389 sequences assigned
2126 (89%) exact matches, in which:
2039 unique CDR3
7 unique J



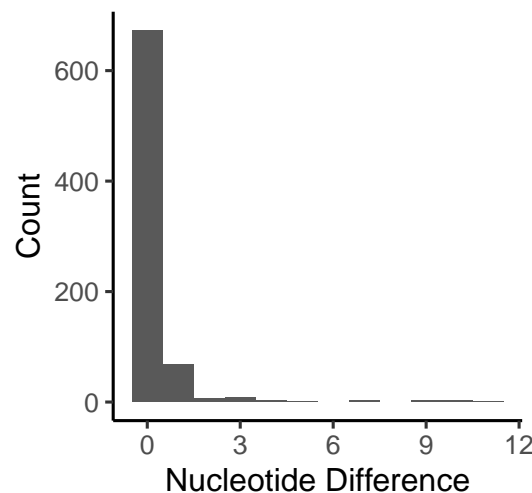
IGHV4-39*07_C288A

1321 sequences assigned
1130 (85.5%) exact matches, in which:
1082 unique CDR3
7 unique J



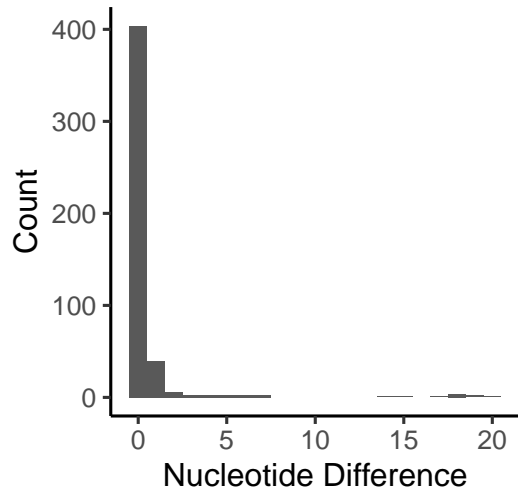
IGHV4-61*02

770 sequences assigned
673 (87.4%) exact matches, in which:
657 unique CDR3
6 unique J



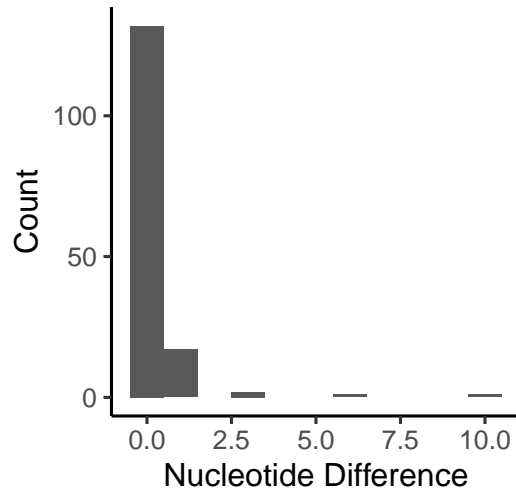
IGHV5-10-1*01

476 sequences assigned
404 (84.9%) exact matches, in which:
394 unique CDR3
7 unique J



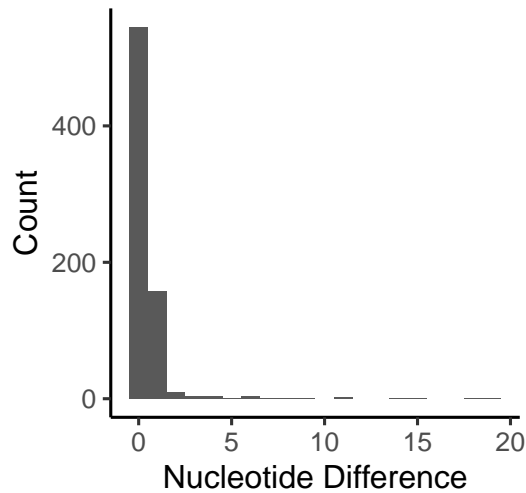
IGHV6-1*01

153 sequences assigned
132 (86.3%) exact matches, in which:
128 unique CDR3
6 unique J



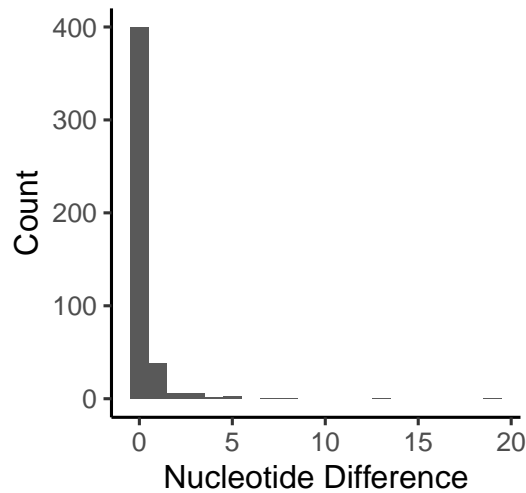
IGHV5-51*01

737 sequences assigned
545 (73.9%) exact matches, in which:
528 unique CDR3
7 unique J



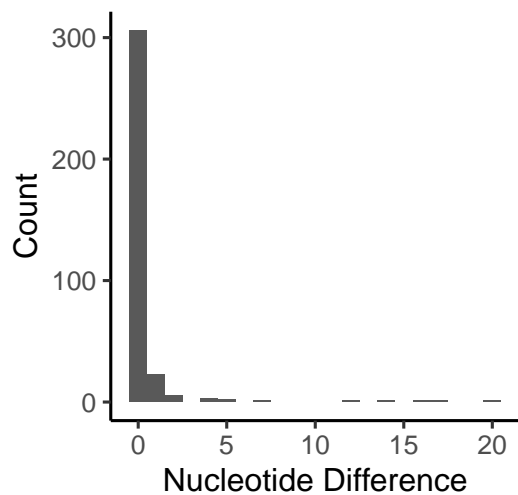
IGHV7-4-1*02

459 sequences assigned
400 (87.1%) exact matches, in which:
390 unique CDR3
7 unique J

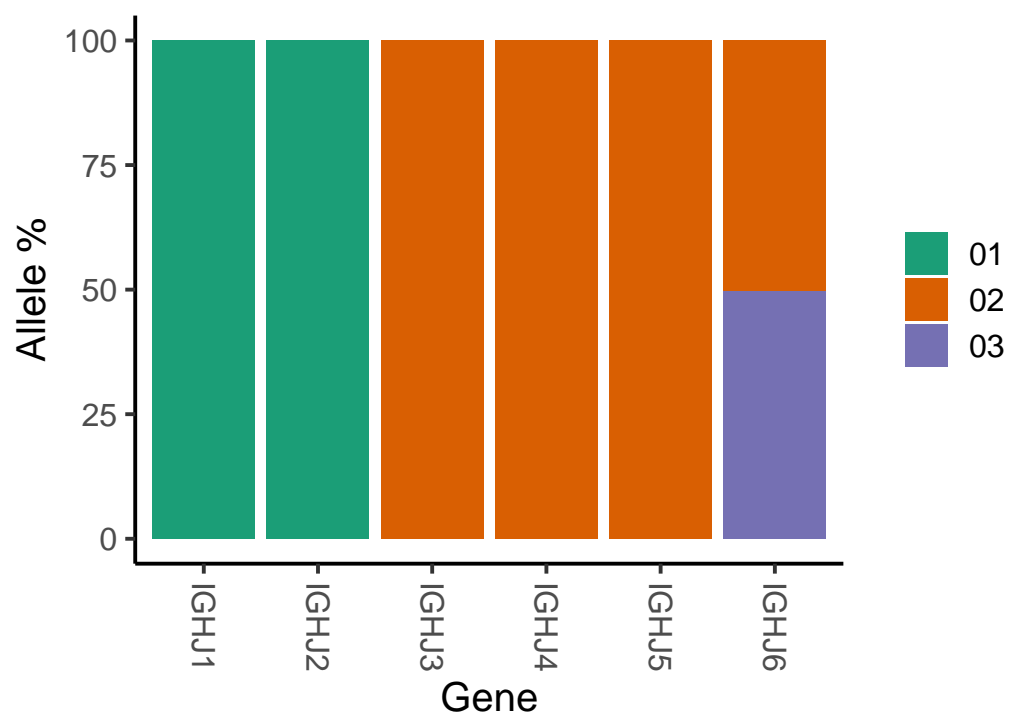


IGHV5-51*03

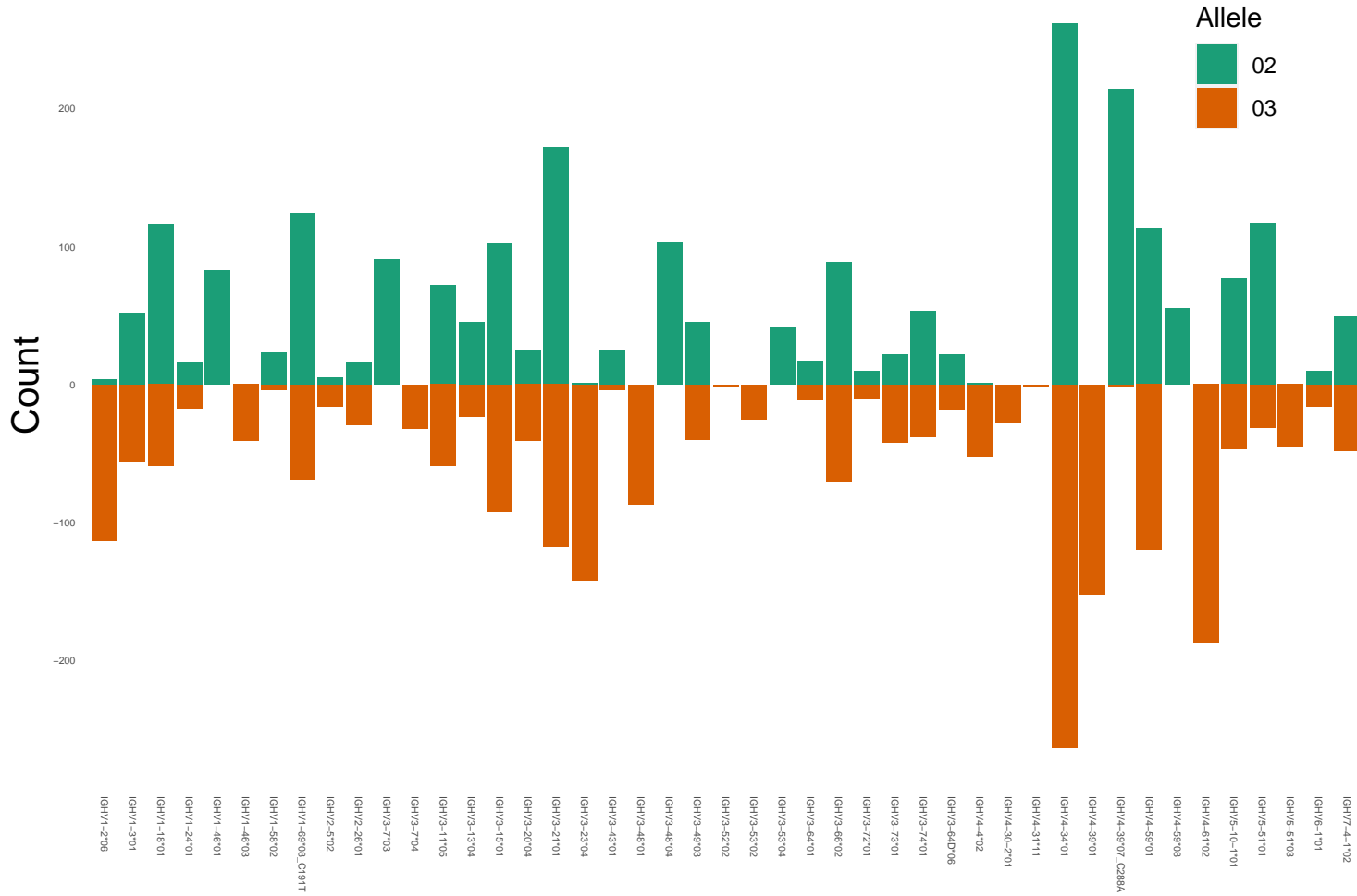
346 sequences assigned
306 (88.4%) exact matches, in which:
297 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.