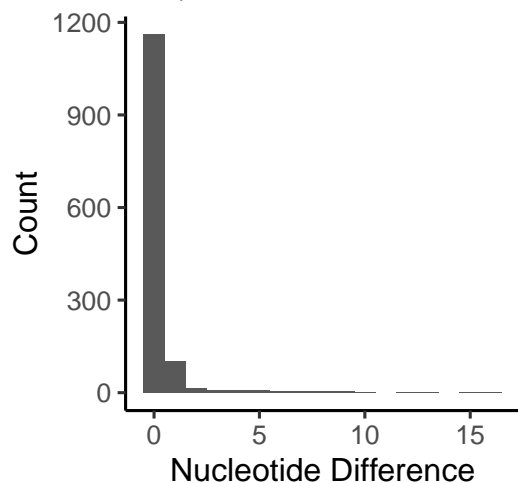


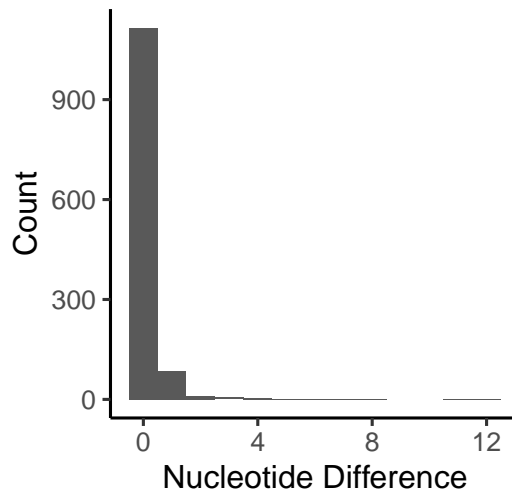
IGHV1-2*02

1328 sequences assigned
1161 (87.4%) exact matches, in which:
1111 unique CDR3
7 unique J



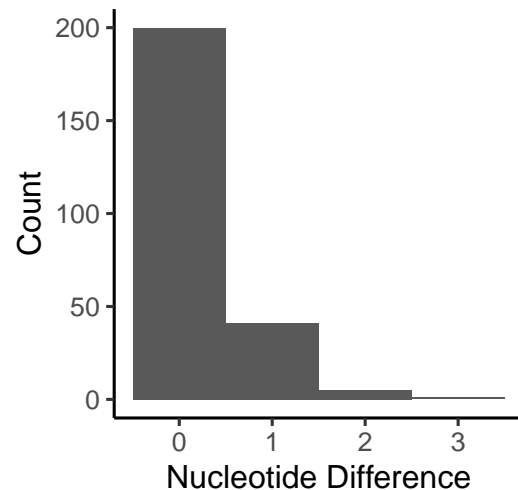
IGHV1-8*01

1231 sequences assigned
1116 (90.7%) exact matches, in which:
1065 unique CDR3
7 unique J



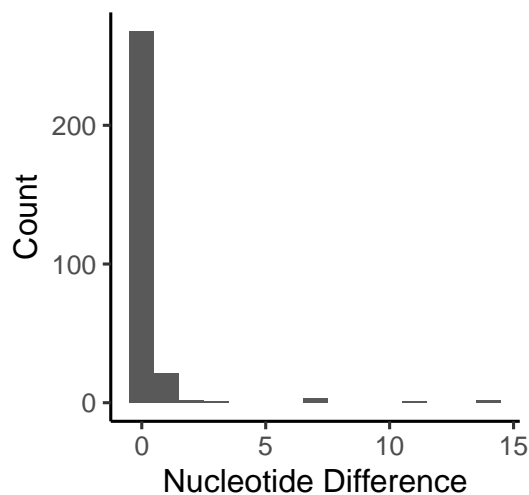
IGHV1-24*01

247 sequences assigned
200 (81%) exact matches, in which:
191 unique CDR3
6 unique J



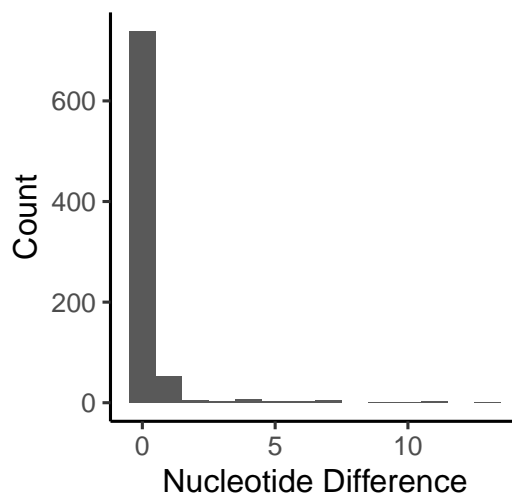
IGHV1-2*04

298 sequences assigned
268 (89.9%) exact matches, in which:
260 unique CDR3
7 unique J



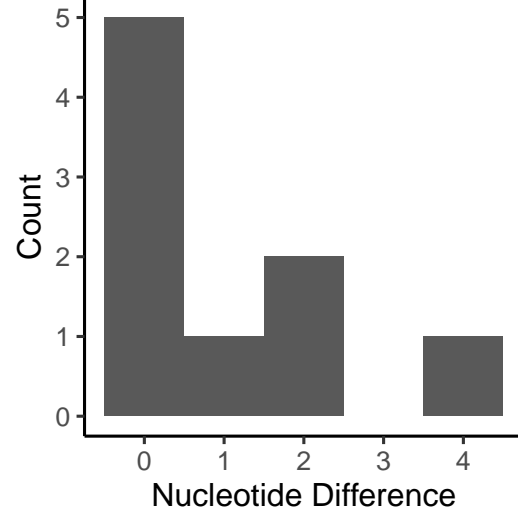
IGHV1-18*01

825 sequences assigned
739 (89.6%) exact matches, in which:
713 unique CDR3
6 unique J



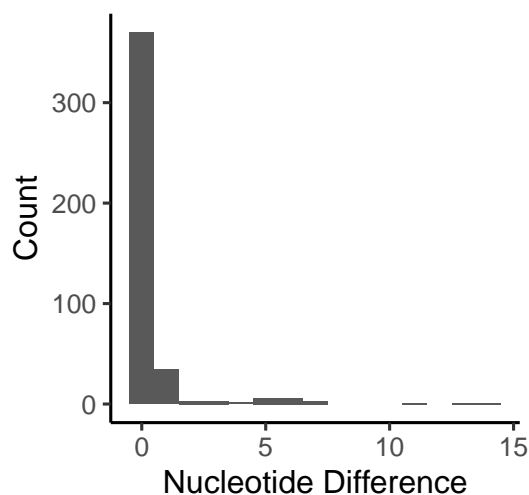
IGHV1-45*02

9 sequences assigned
5 (55.6%) exact matches, in which:
4 unique CDR3
2 unique J



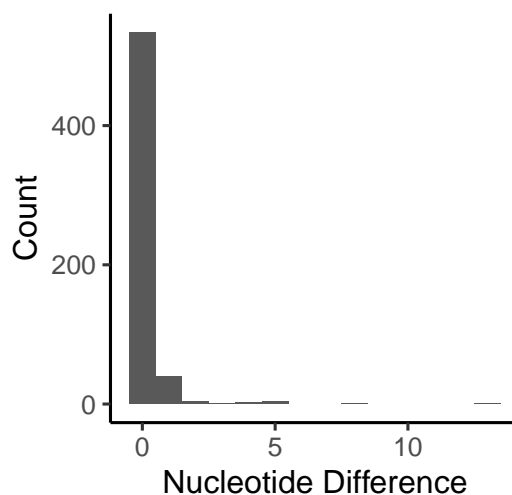
IGHV1-3*01

430 sequences assigned
370 (86%) exact matches, in which:
357 unique CDR3
6 unique J



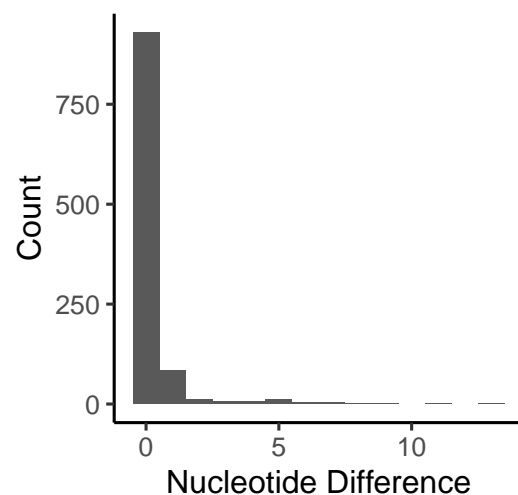
IGHV1-18*04

586 sequences assigned
534 (91.1%) exact matches, in which:
521 unique CDR3
6 unique J



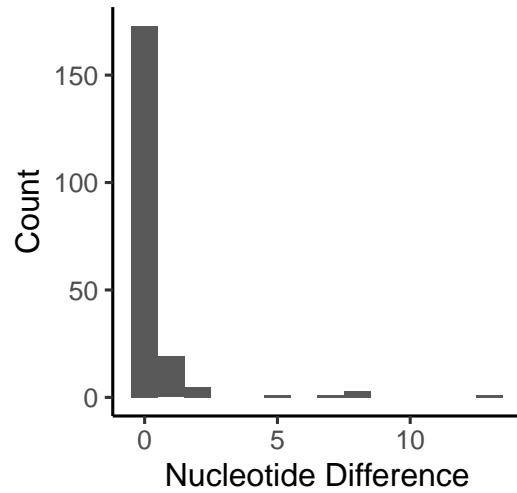
IGHV1-46*01

1062 sequences assigned
930 (87.6%) exact matches, in which:
887 unique CDR3
7 unique J



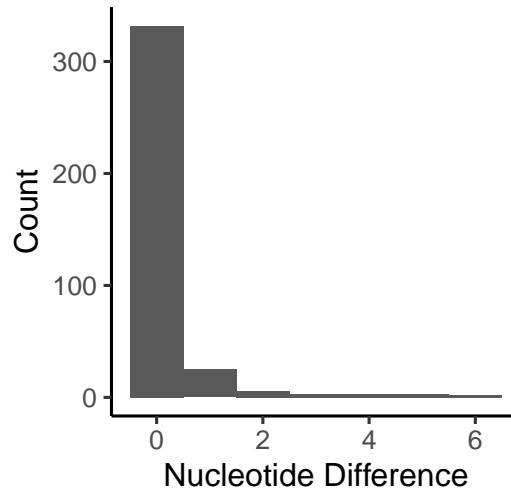
IGHV1–58*01

205 sequences assigned
173 (84.4%) exact matches, in which:
166 unique CDR3
7 unique J



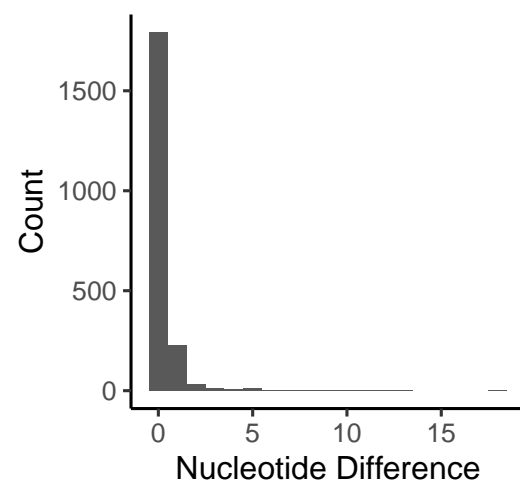
IGHV2–26*01

374 sequences assigned
332 (88.8%) exact matches, in which:
322 unique CDR3
7 unique J



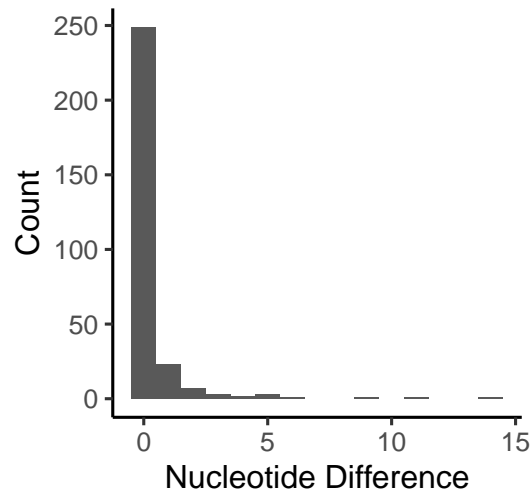
IGHV3–9*01

2111 sequences assigned
1792 (84.9%) exact matches, in which:
1690 unique CDR3
7 unique J



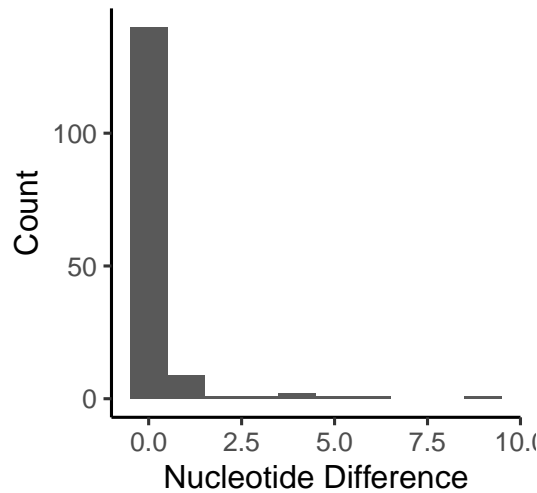
IGHV2–5*01

291 sequences assigned
249 (85.6%) exact matches, in which:
245 unique CDR3
6 unique J



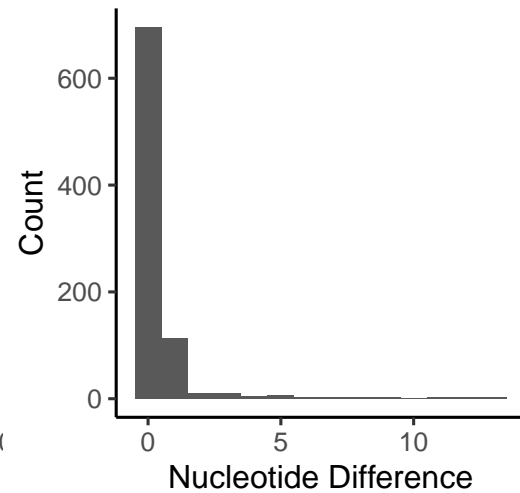
IGHV2–70*01

156 sequences assigned
140 (89.7%) exact matches, in which:
138 unique CDR3
7 unique J



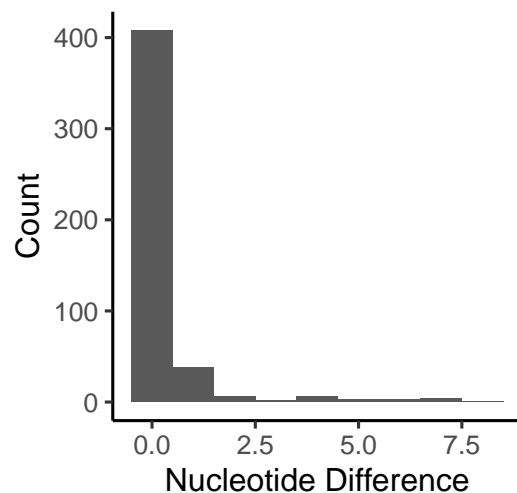
IGHV3–11*01

856 sequences assigned
696 (81.3%) exact matches, in which:
670 unique CDR3
7 unique J



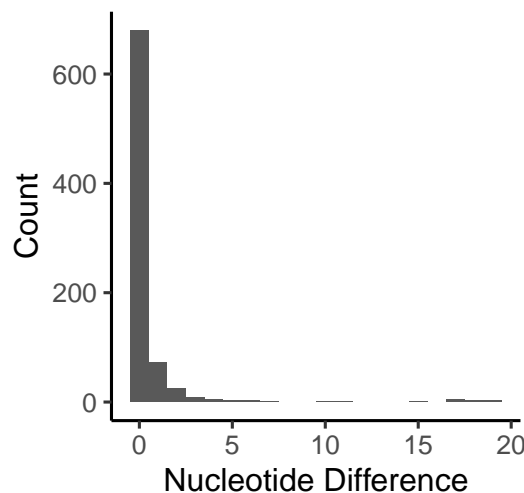
IGHV2–5*02

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



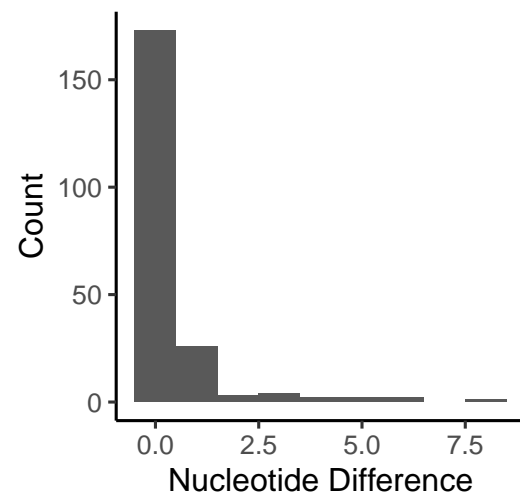
IGHV3–7*01

813 sequences assigned
680 (83.6%) exact matches, in which:
654 unique CDR3
7 unique J



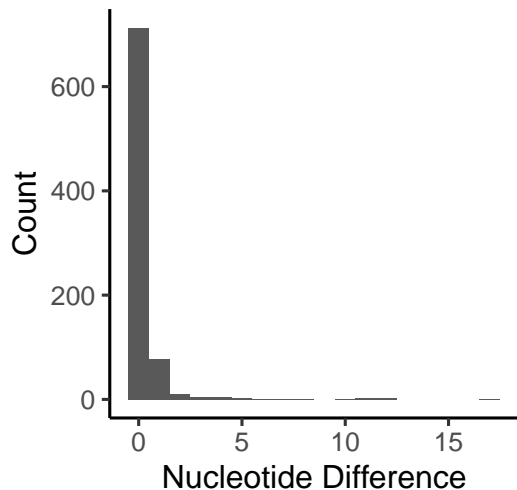
IGHV3–13*01

213 sequences assigned
173 (81.2%) exact matches, in which:
165 unique CDR3
6 unique J



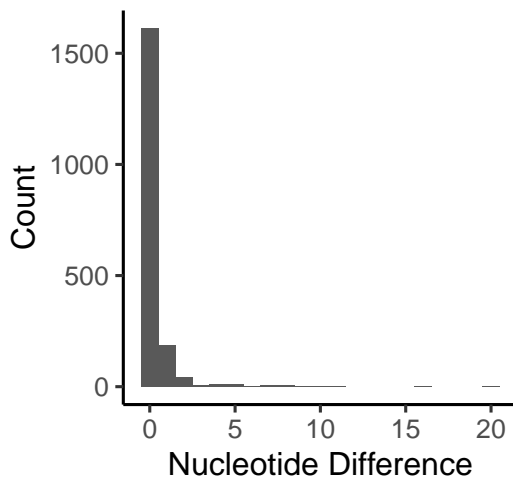
IGHV3–15*01

822 sequences assigned
713 (86.7%) exact matches, in which:
682 unique CDR3
7 unique J



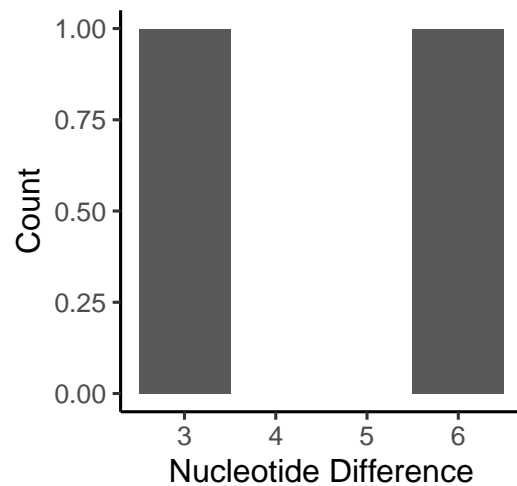
IGHV3–21*01

1899 sequences assigned
1612 (84.9%) exact matches, in which:
1532 unique CDR3
7 unique J



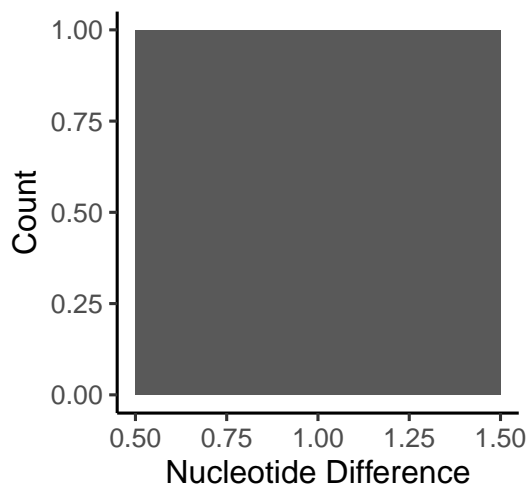
IGHV3–41*02

2 sequences assigned
No exact matches.



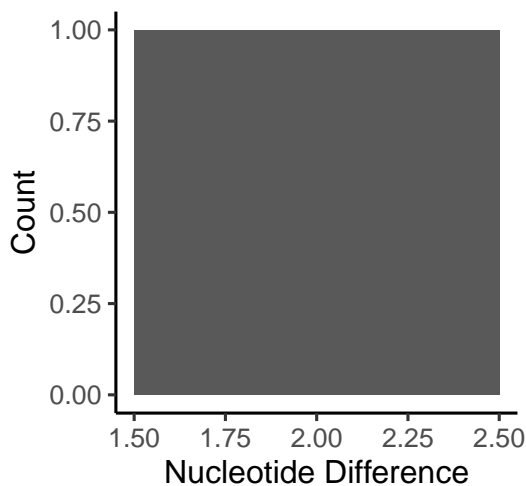
IGHV3–19*01

1 sequences assigned
No exact matches.



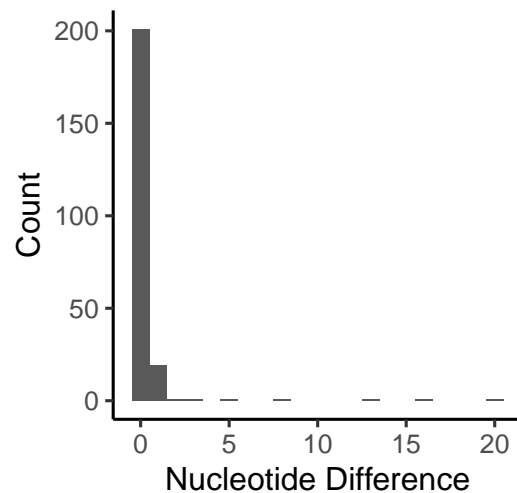
IGHV3–30–3*02

1 sequences assigned
No exact matches.



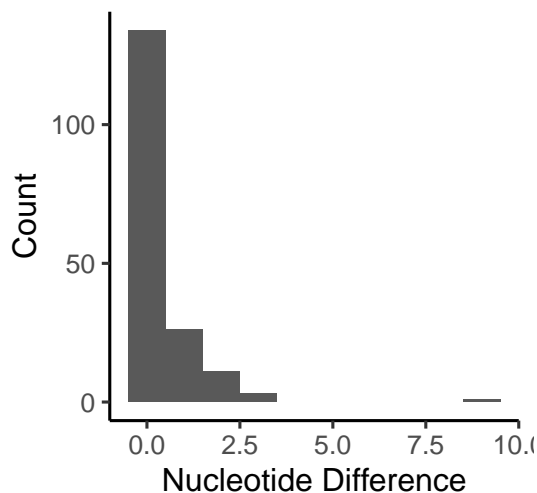
IGHV3–43*01

229 sequences assigned
201 (87.8%) exact matches, in which:
190 unique CDR3
7 unique J



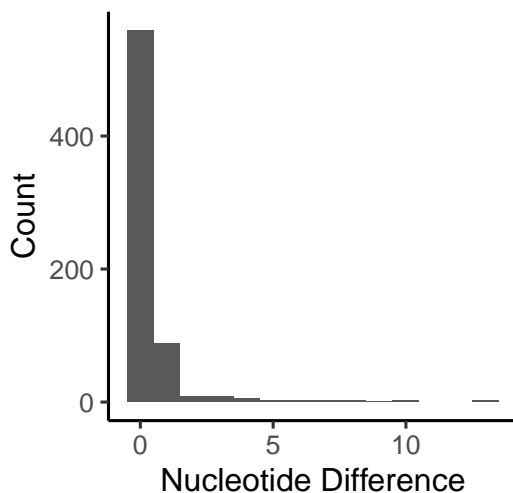
IGHV3–20*01

175 sequences assigned
134 (76.6%) exact matches, in which:
128 unique CDR3
6 unique J



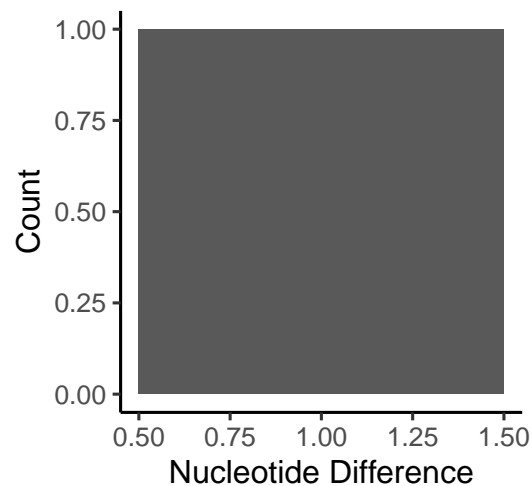
IGHV3–33*01

690 sequences assigned
559 (81%) exact matches, in which:
542 unique CDR3
6 unique J



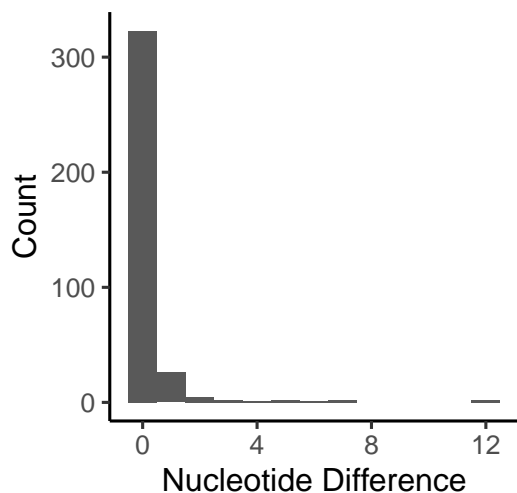
IGHV3–47*01

1 sequences assigned
No exact matches.



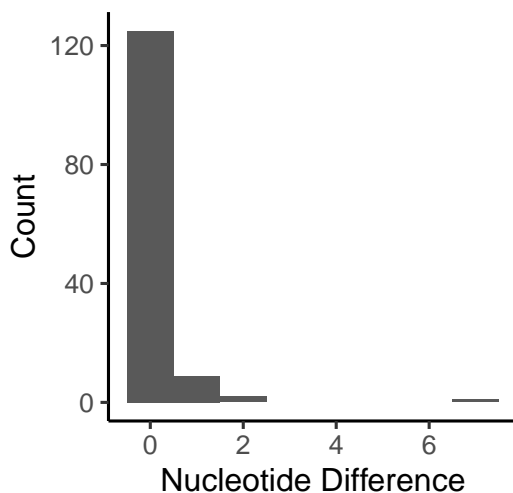
IGHV3-48*02

364 sequences assigned
323 (88.7%) exact matches, in which:
307 unique CDR3
6 unique J



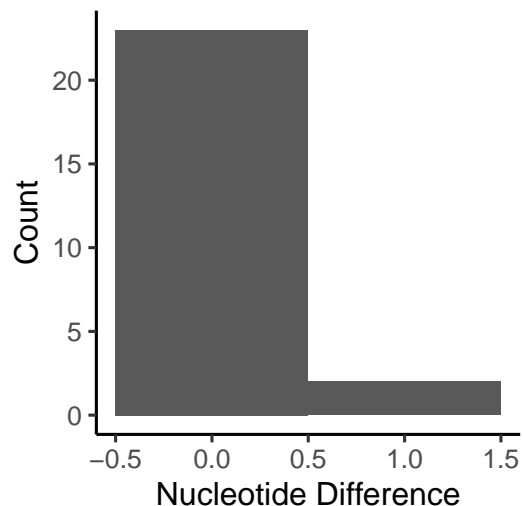
IGHV3-49*05

137 sequences assigned
125 (91.2%) exact matches, in which:
121 unique CDR3
6 unique J



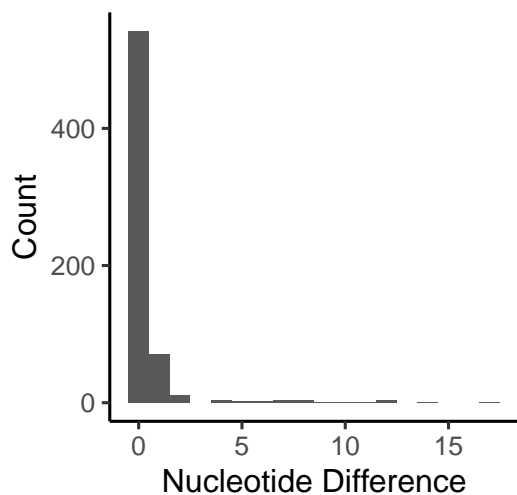
IGHV3-64*02

25 sequences assigned
23 (92%) exact matches, in which:
22 unique CDR3
6 unique J



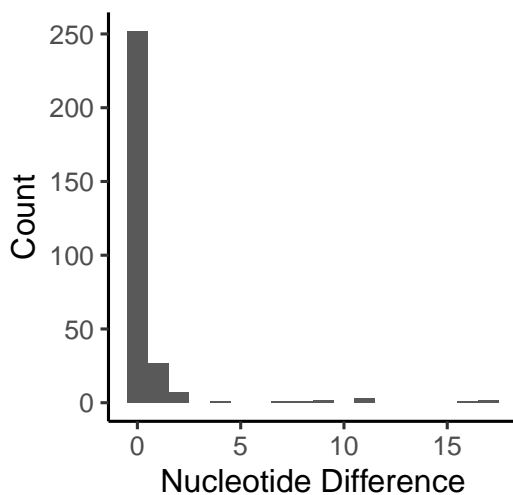
IGHV3-48*04

647 sequences assigned
542 (83.8%) exact matches, in which:
526 unique CDR3
7 unique J



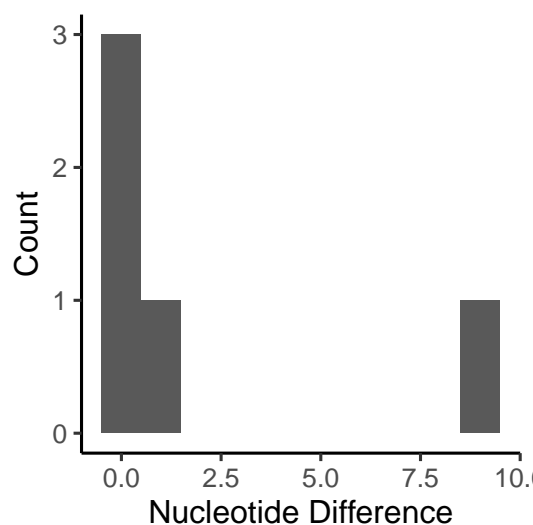
IGHV3-53*01

298 sequences assigned
252 (84.6%) exact matches, in which:
242 unique CDR3
7 unique J



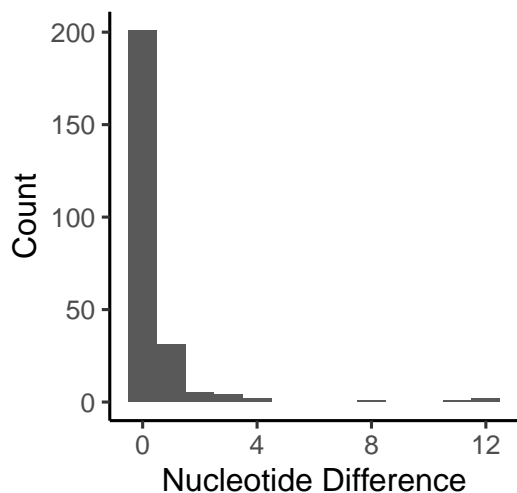
IGHV3-66*03

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
2 unique J



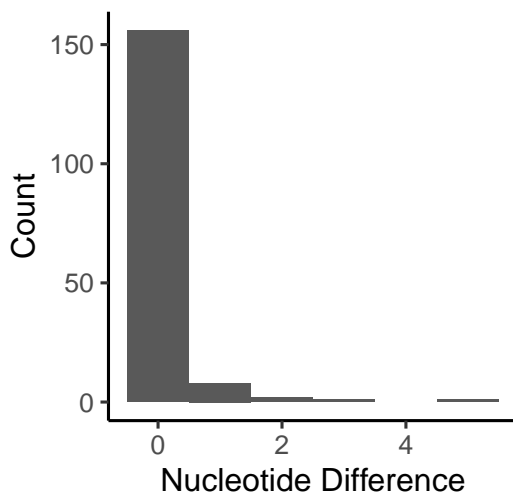
IGHV3-49*03

247 sequences assigned
201 (81.4%) exact matches, in which:
191 unique CDR3
6 unique J



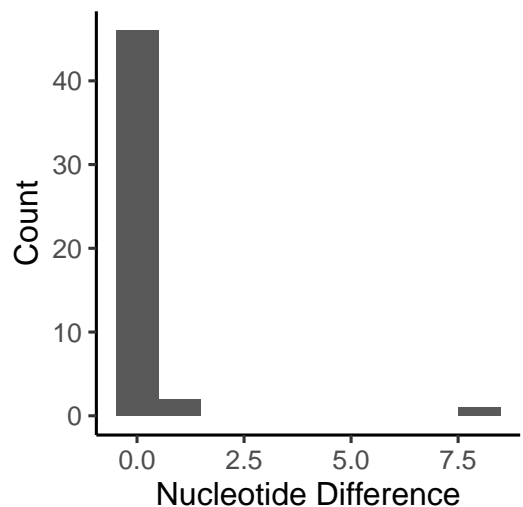
IGHV3-53*04

168 sequences assigned
156 (92.9%) exact matches, in which:
145 unique CDR3
5 unique J



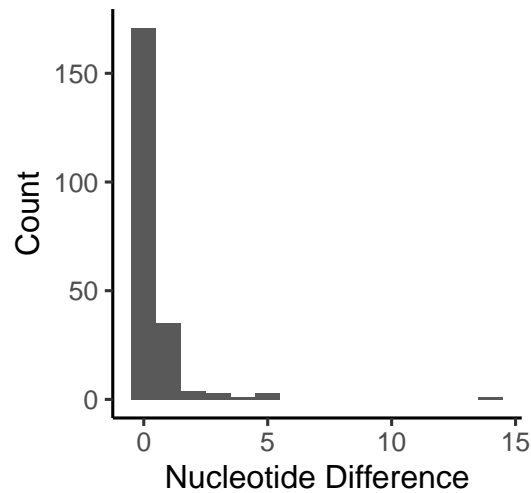
IGHV3-72*01

49 sequences assigned
46 (93.9%) exact matches, in which:
44 unique CDR3
6 unique J



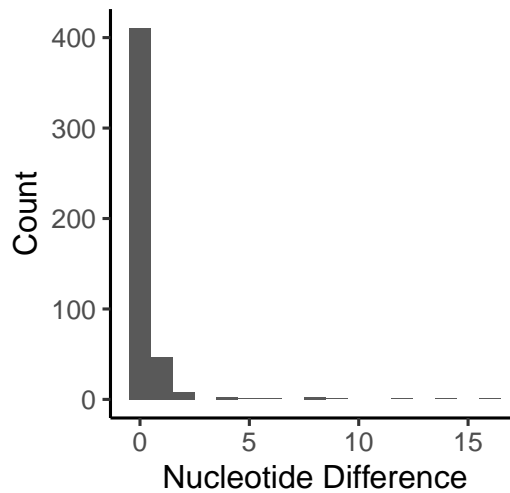
IGHV3–73*02

218 sequences assigned
171 (78.4%) exact matches, in which:
158 unique CDR3
6 unique J



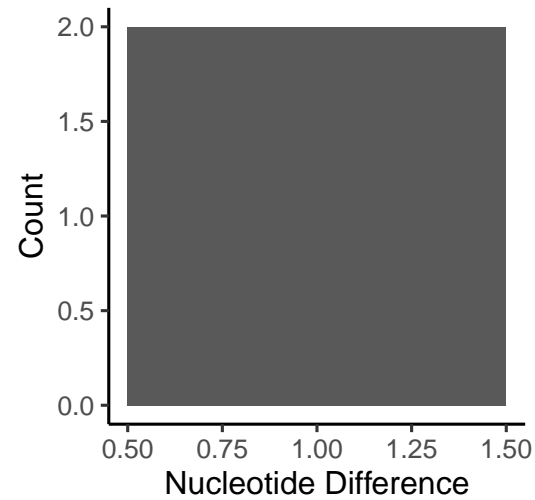
IGHV4–4*02

479 sequences assigned
411 (85.8%) exact matches, in which:
401 unique CDR3
7 unique J



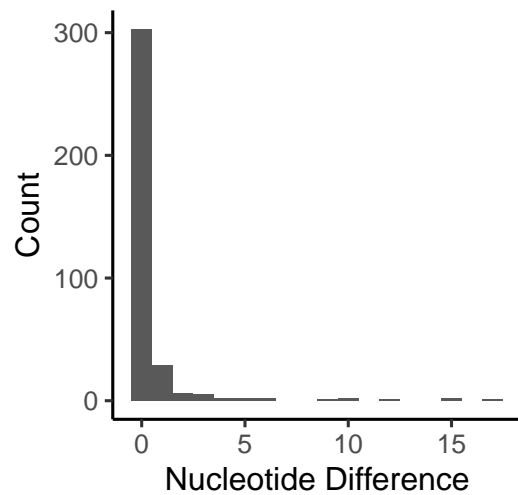
IGHV4–28*04

2 sequences assigned
No exact matches.



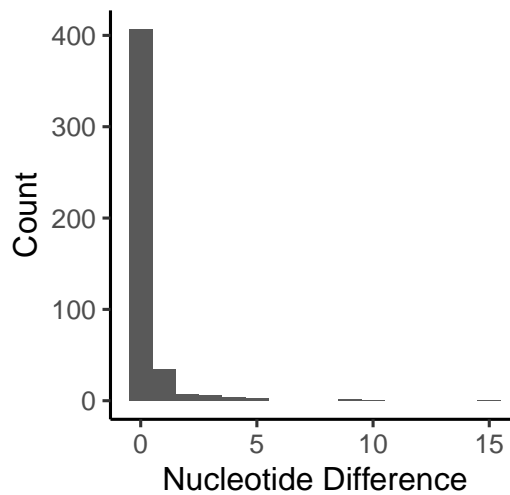
IGHV3–74*01

358 sequences assigned
303 (84.6%) exact matches, in which:
288 unique CDR3
7 unique J



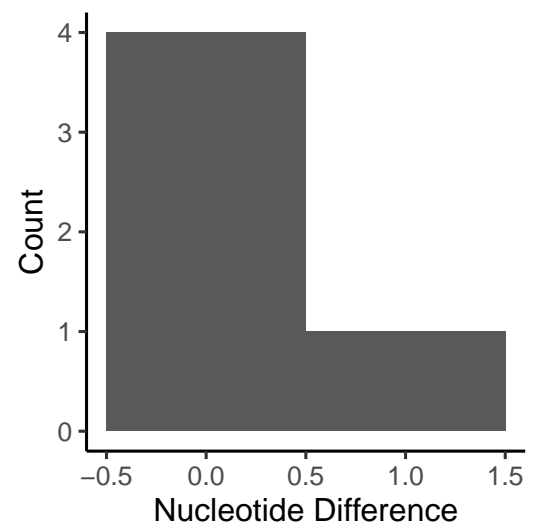
IGHV4–4*07

466 sequences assigned
407 (87.3%) exact matches, in which:
395 unique CDR3
7 unique J



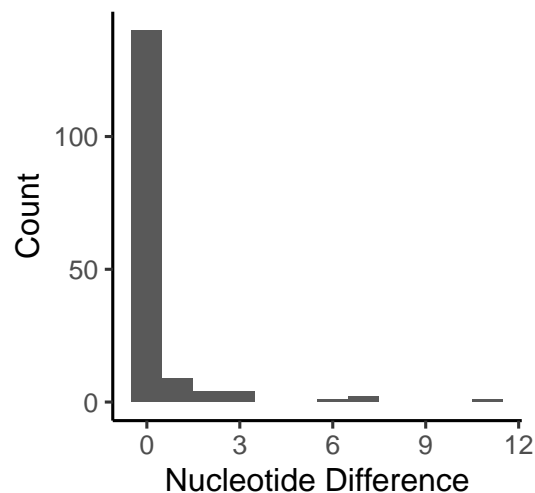
IGHV4–28*07

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
4 unique J



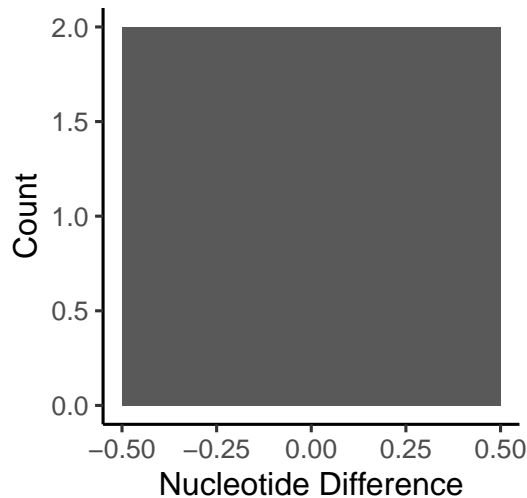
IGHV3–43D*03

161 sequences assigned
140 (87%) exact matches, in which:
134 unique CDR3
6 unique J



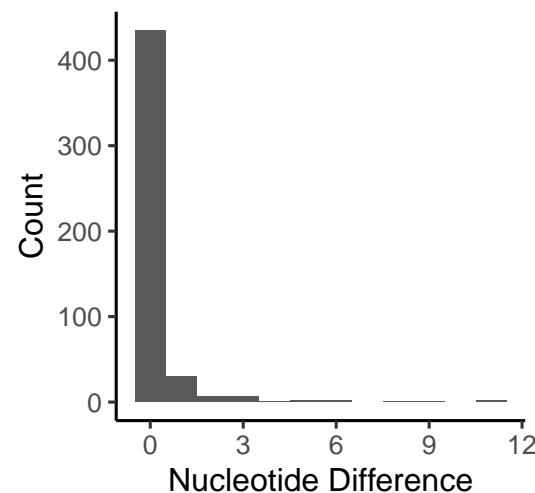
IGHV4–28*01

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



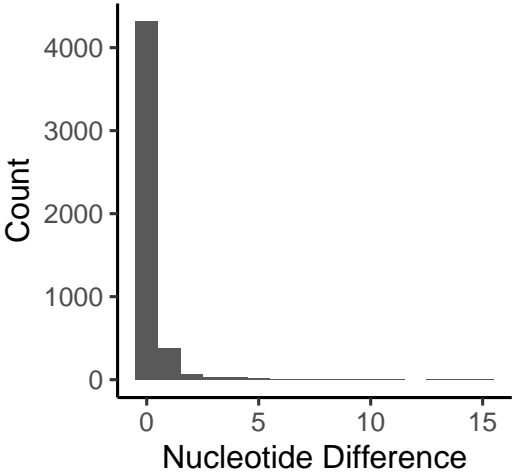
IGHV4–31*03

490 sequences assigned
435 (88.8%) exact matches, in which:
418 unique CDR3
6 unique J



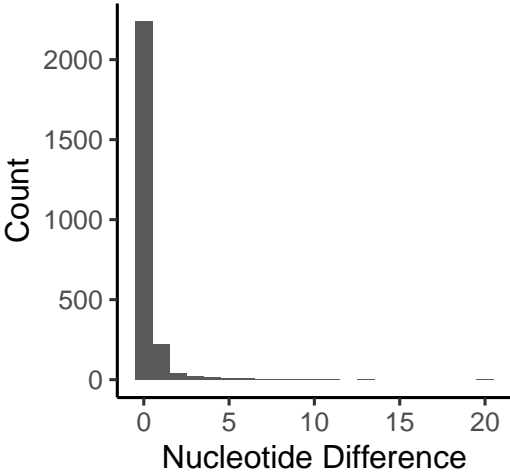
IGHV4-34*01

4864 sequences assigned
4316 (88.7%) exact matches, in which:
4095 unique CDR3
7 unique J



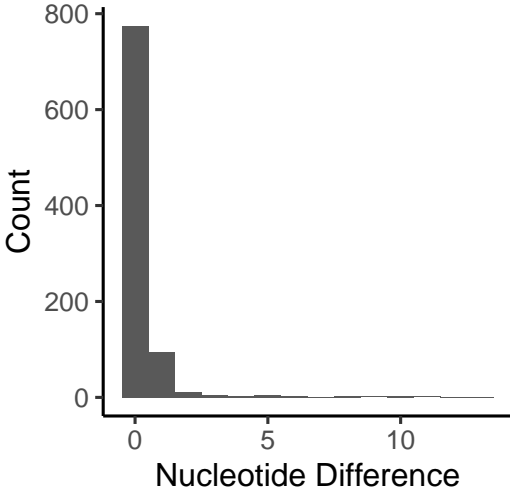
IGHV4-39*07

2588 sequences assigned
2239 (86.5%) exact matches, in which:
2111 unique CDR3
7 unique J



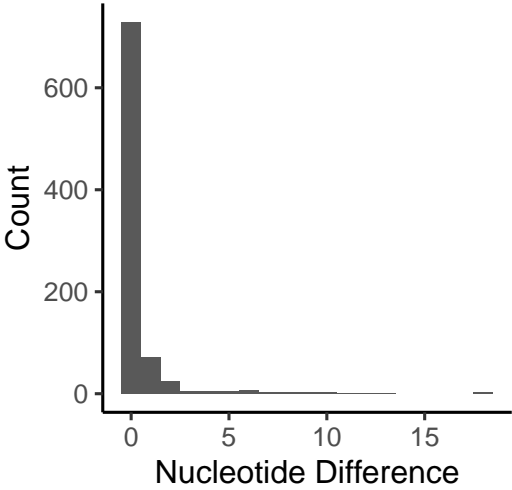
IGHV4-59*01

911 sequences assigned
775 (85.1%) exact matches, in which:
756 unique CDR3
7 unique J



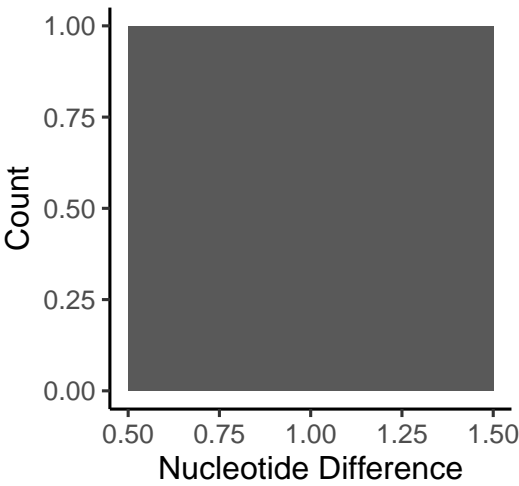
IGHV4-38-2*02

860 sequences assigned
729 (84.8%) exact matches, in which:
691 unique CDR3
6 unique J



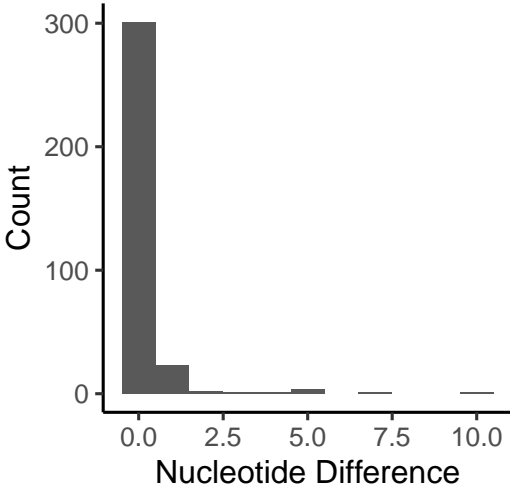
IGHV4-55*08

1 sequences assigned
No exact matches.



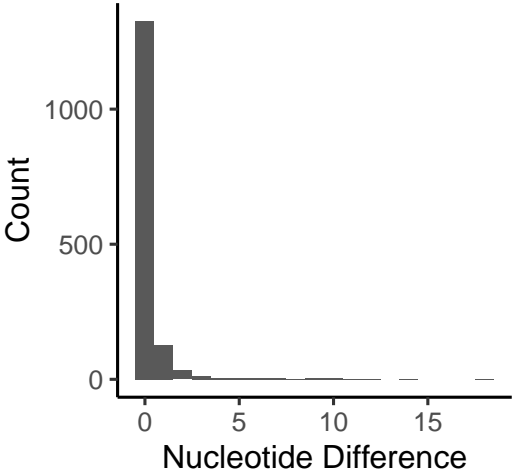
IGHV4-61*01

334 sequences assigned
301 (90.1%) exact matches, in which:
293 unique CDR3
7 unique J



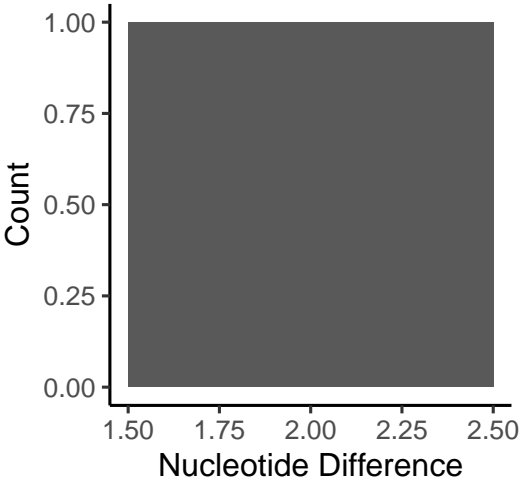
IGHV4-39*01

1532 sequences assigned
1326 (86.6%) exact matches, in which:
1256 unique CDR3
6 unique J



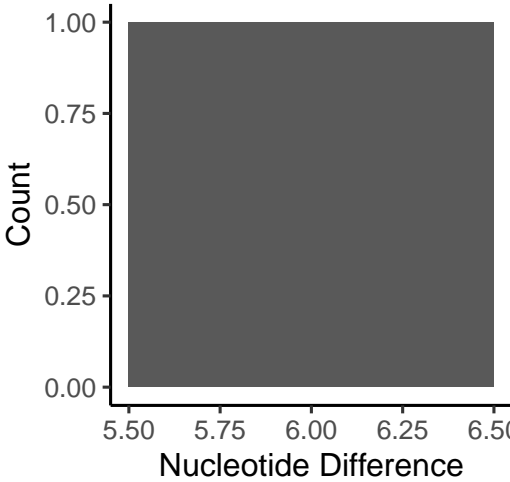
IGHV4-55*09

1 sequences assigned
No exact matches.



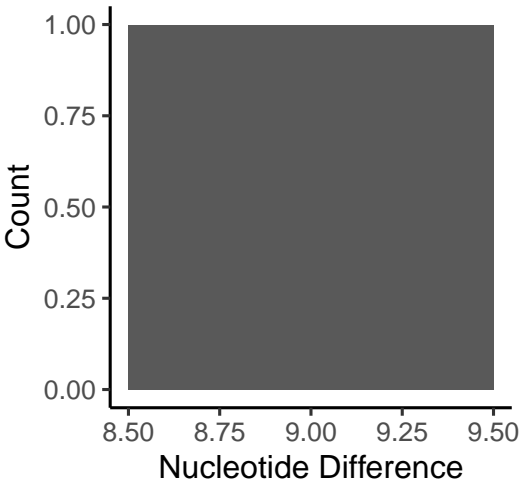
IGHV1/OR15-4*01

1 sequences assigned
No exact matches.



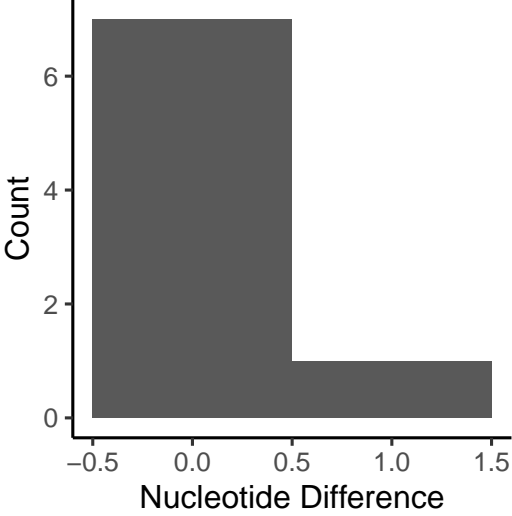
IGHV5-10-1*02

1 sequences assigned
No exact matches.



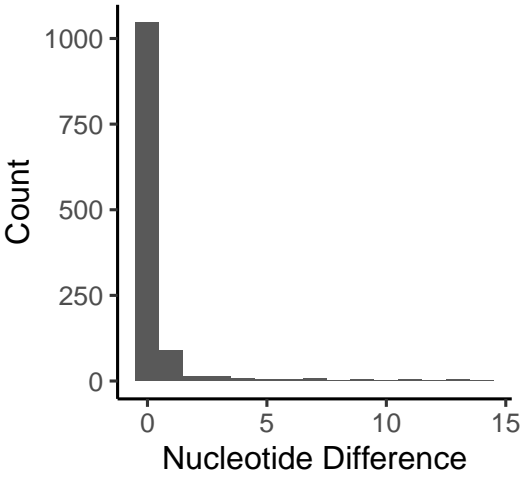
IGHV7-4-1*01

8 sequences assigned
7 (87.5%) exact matches, in which:
7 unique CDR3
4 unique J



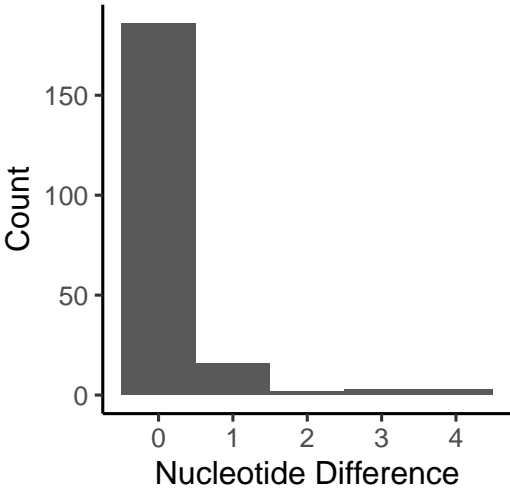
IGHV5-51*01

1194 sequences assigned
1046 (87.6%) exact matches, in which:
1002 unique CDR3
7 unique J

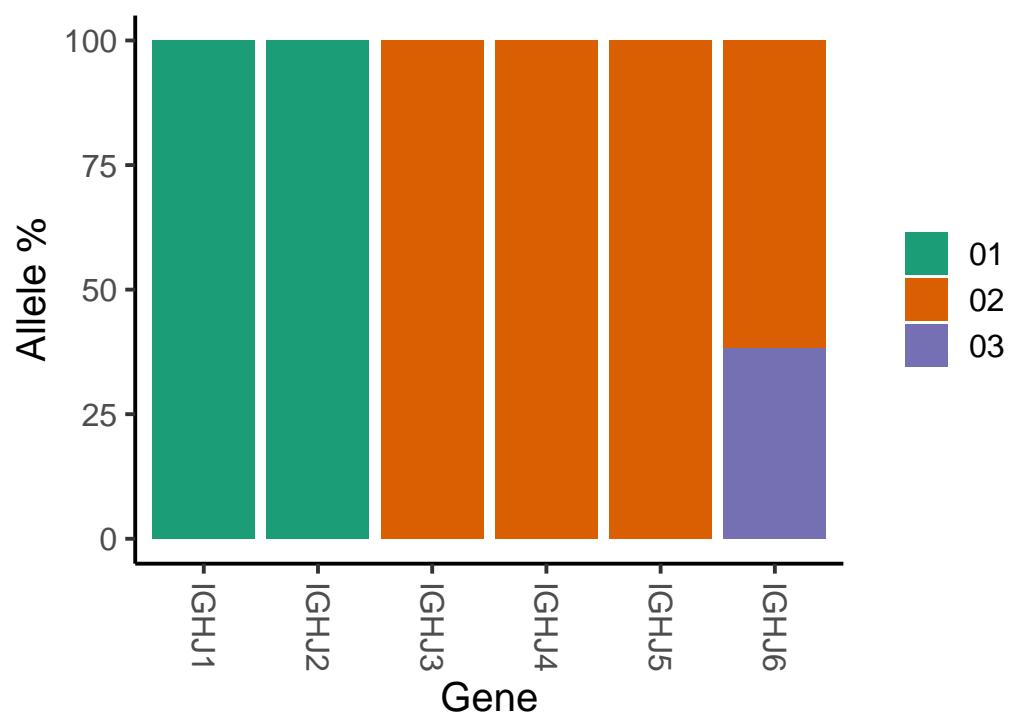


IGHV6-1*01

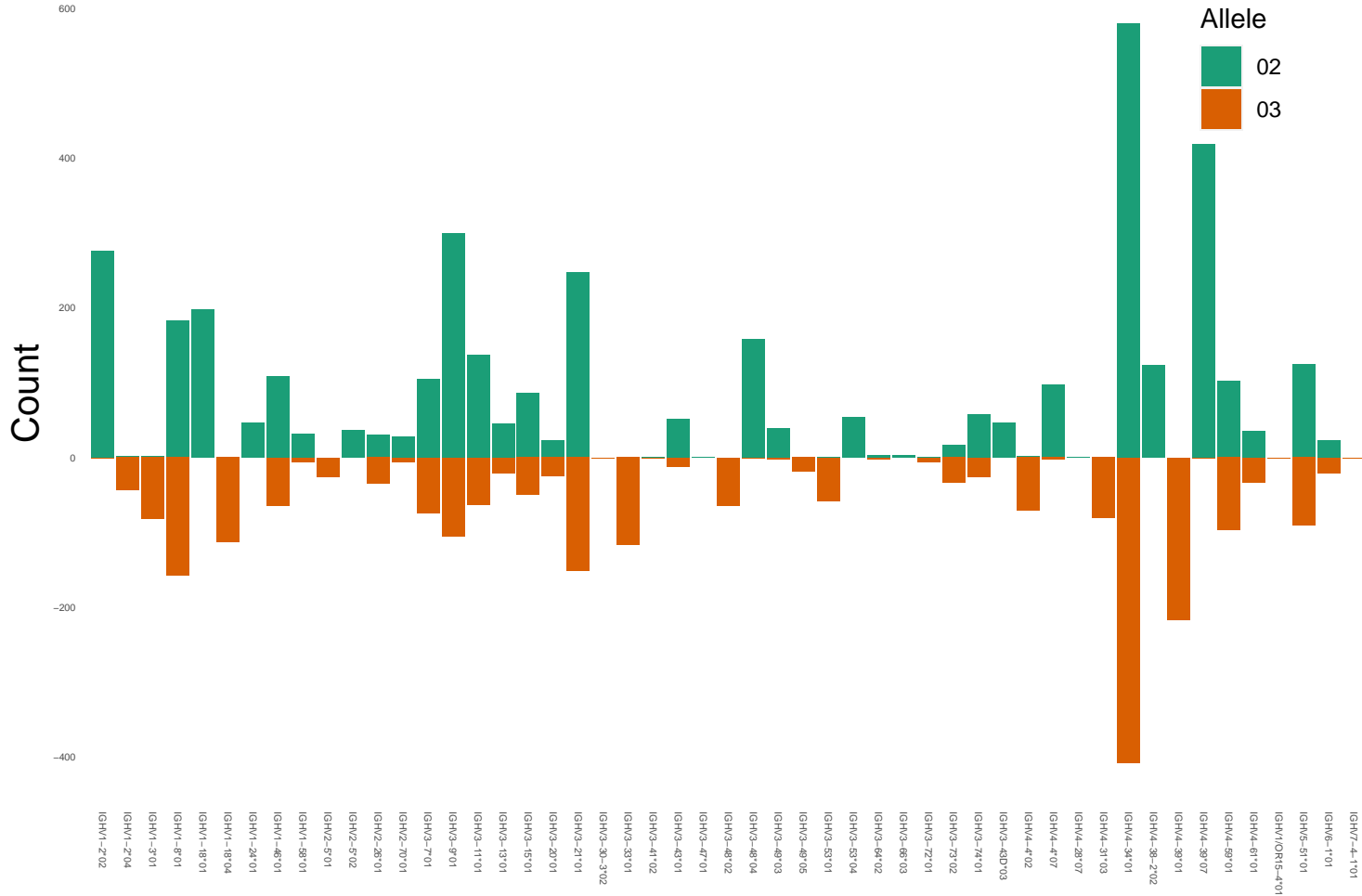
210 sequences assigned
186 (88.6%) exact matches, in which:
176 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.