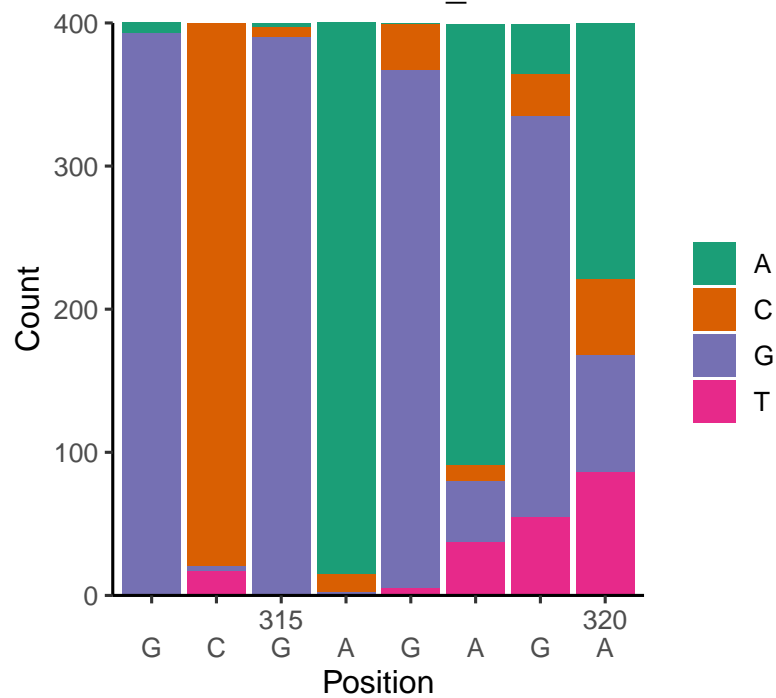
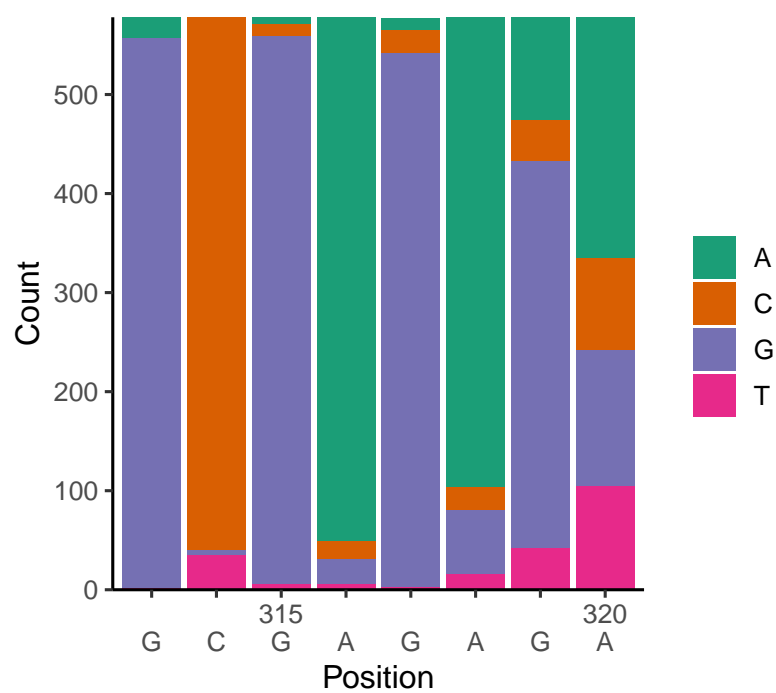


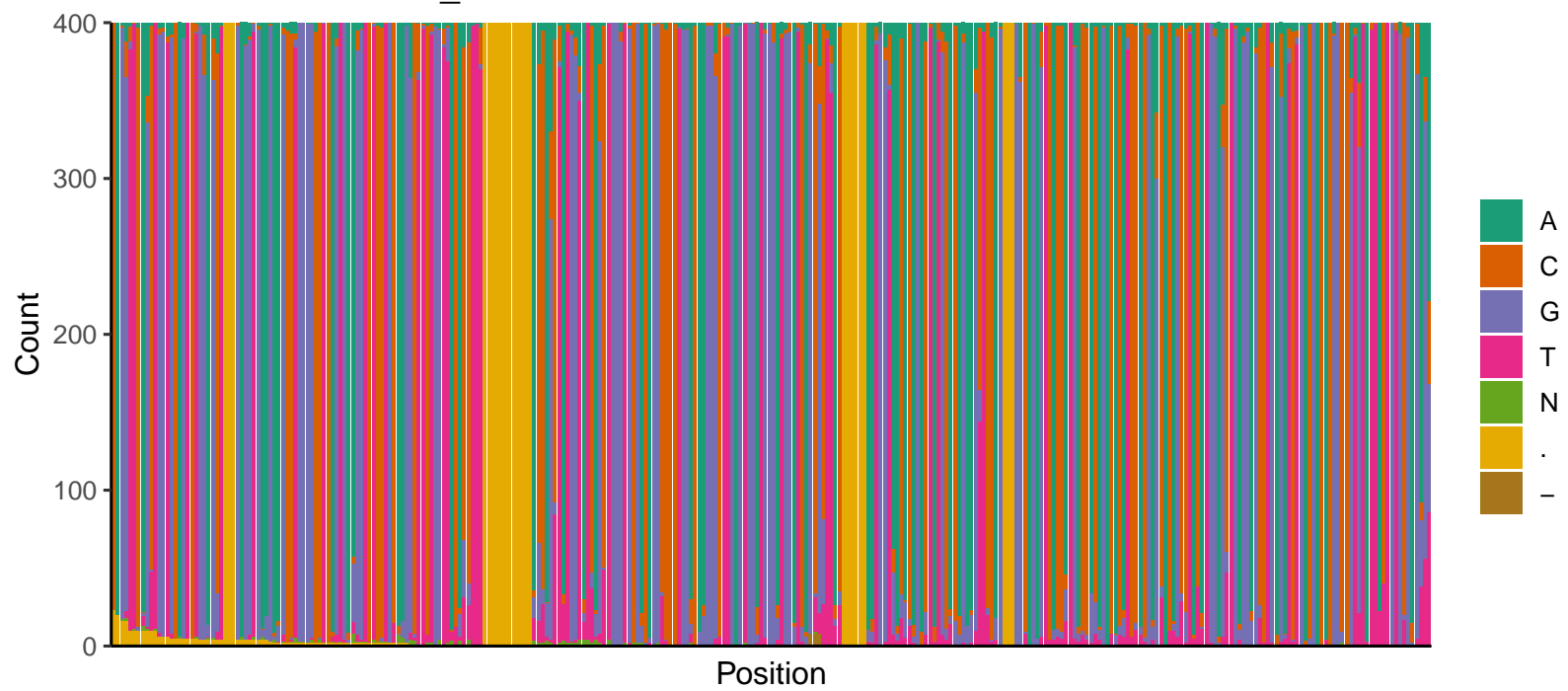
Gene IGHV1-18*01_A196G



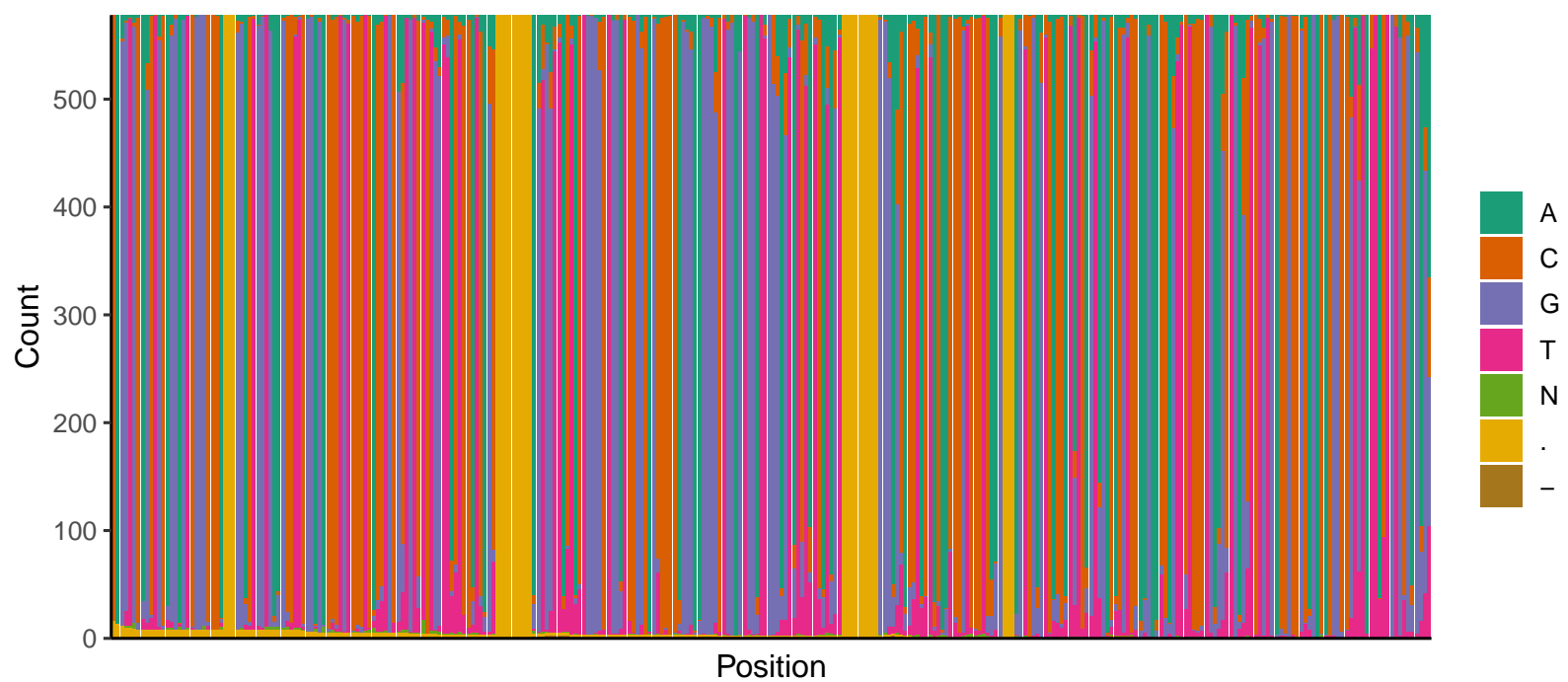
Gene IGHV4-38-2*02_A70G



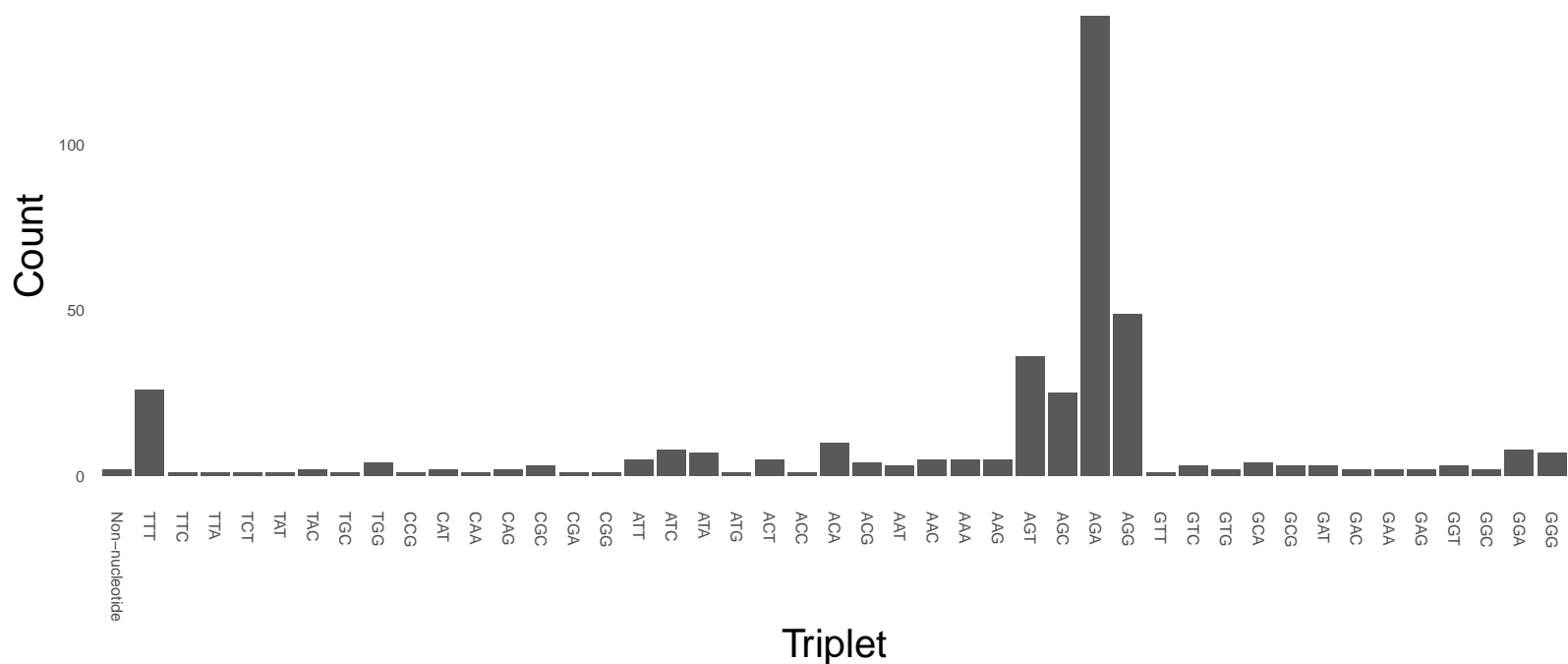
Gene IGHV1-18*01_A196G



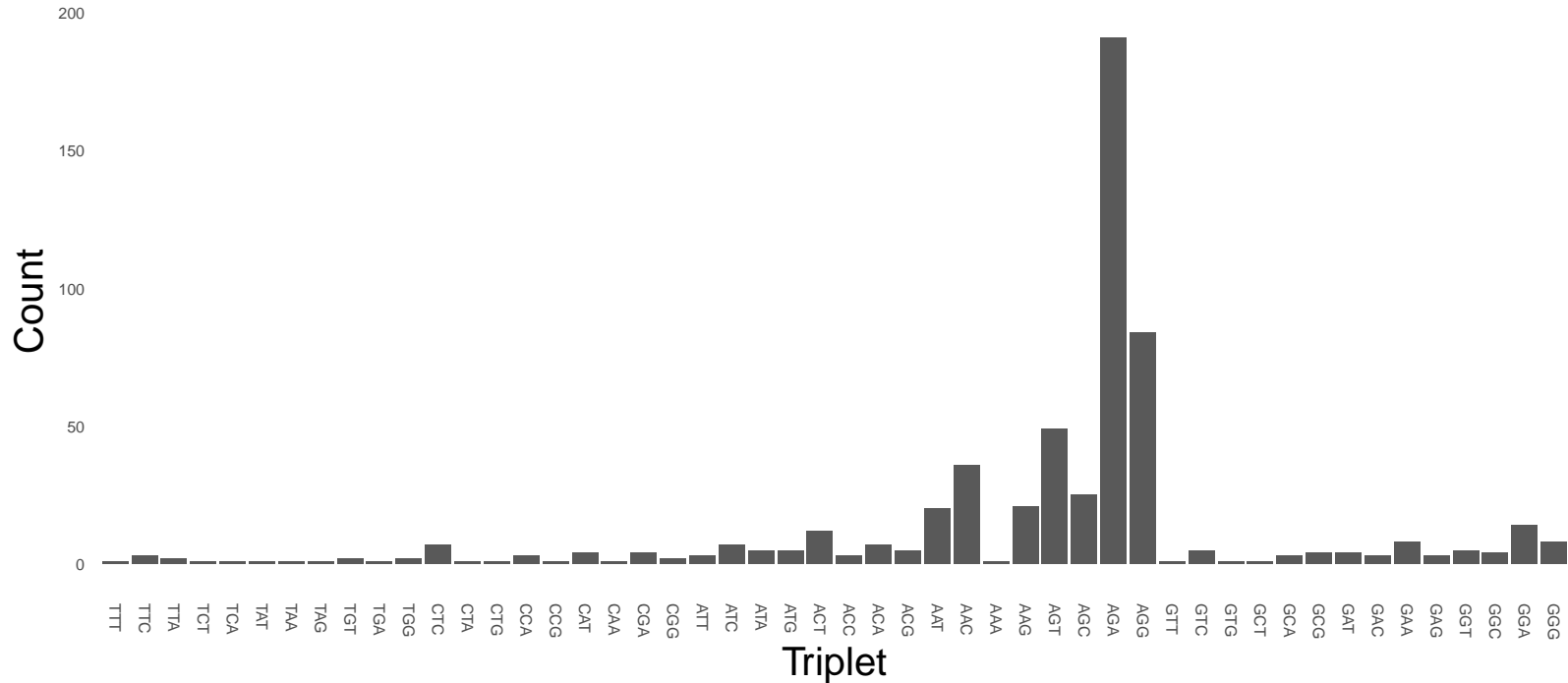
Gene IGHV4-38-2*02_A70G



IGHV1-18*01_A196G- Final 3 nucleotides as a triplet

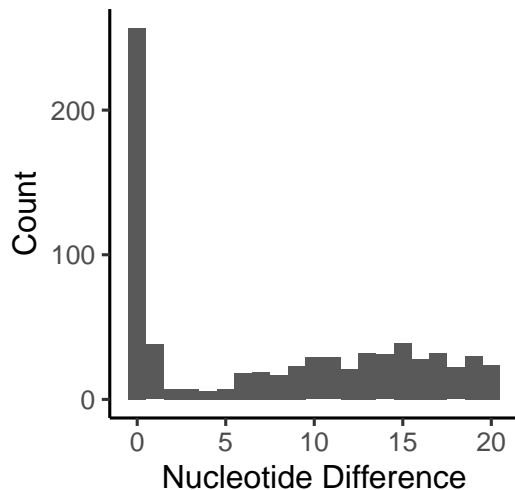


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



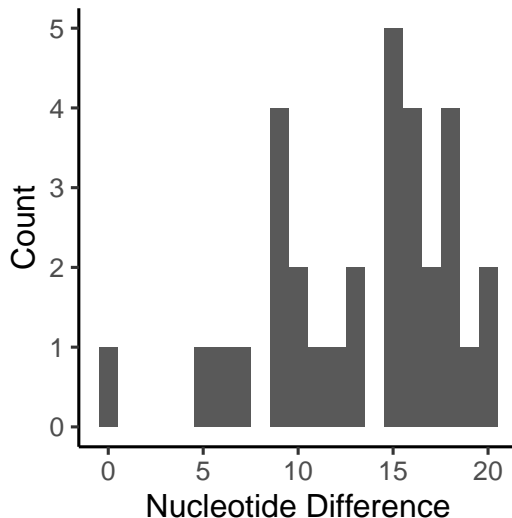
IGHV1-2*02

977 sequences assigned
257 (26.3%) exact matches, in which:
257 unique CDR3
6 unique J



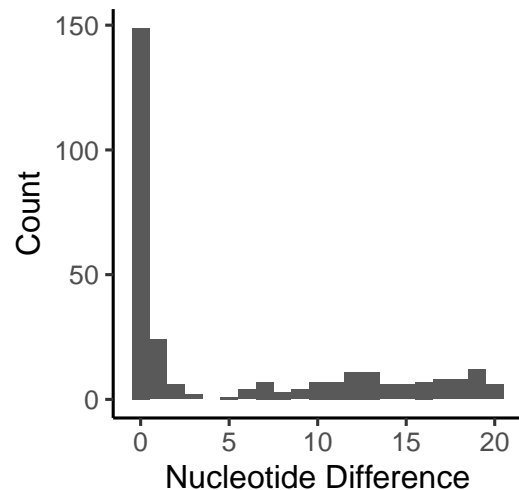
IGHV1-3*04

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



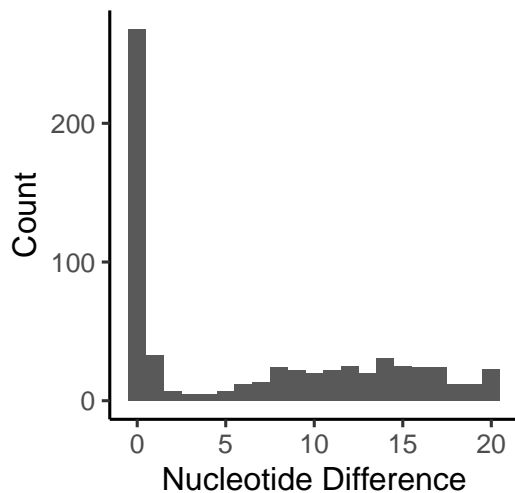
IGHV1-18*01_A196G

400 sequences assigned
149 (37.2%) exact matches, in which:
149 unique CDR3
6 unique J



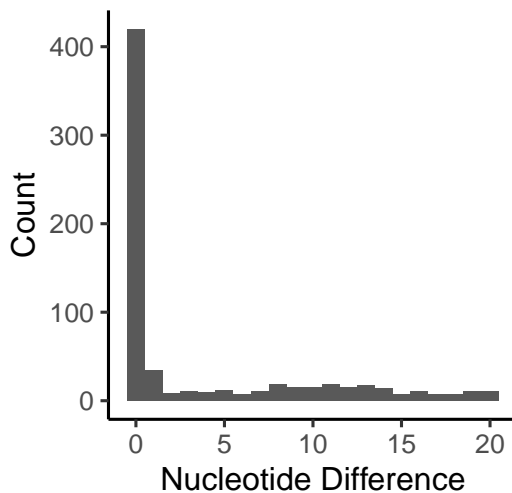
IGHV1-2*06

873 sequences assigned
268 (30.7%) exact matches, in which:
268 unique CDR3
6 unique J



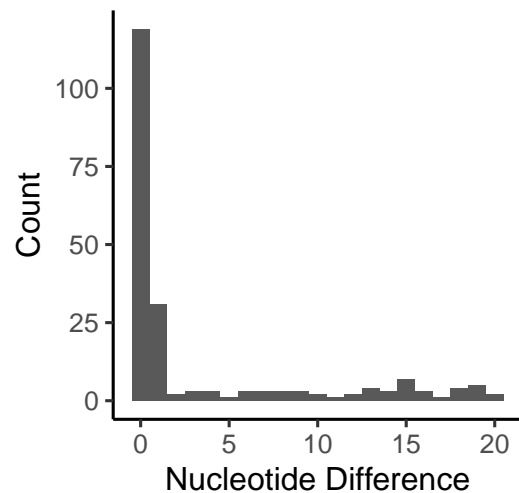
IGHV1-8*01

782 sequences assigned
420 (53.7%) exact matches, in which:
419 unique CDR3
7 unique J



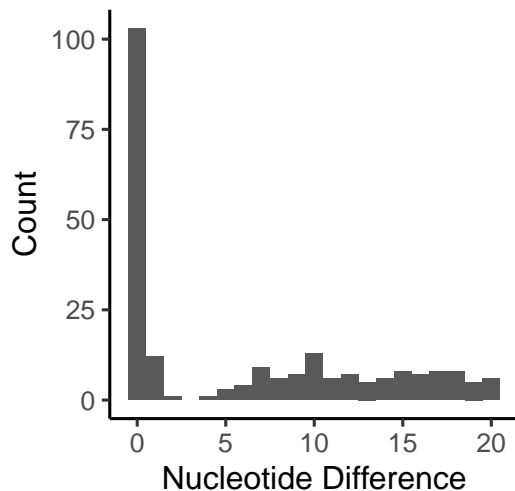
IGHV1-24*01

252 sequences assigned
119 (47.2%) exact matches, in which:
118 unique CDR3
7 unique J



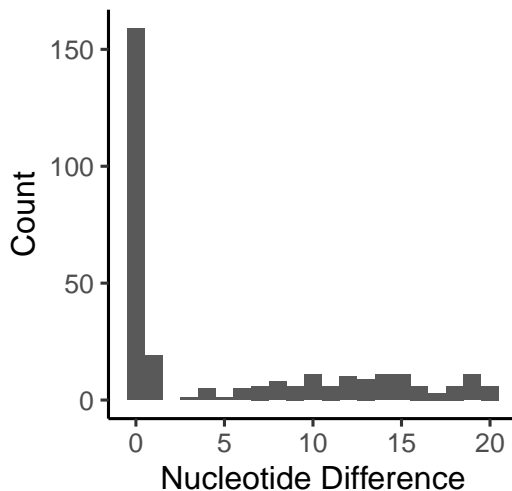
IGHV1-3*01

270 sequences assigned
103 (38.1%) exact matches, in which:
102 unique CDR3
6 unique J



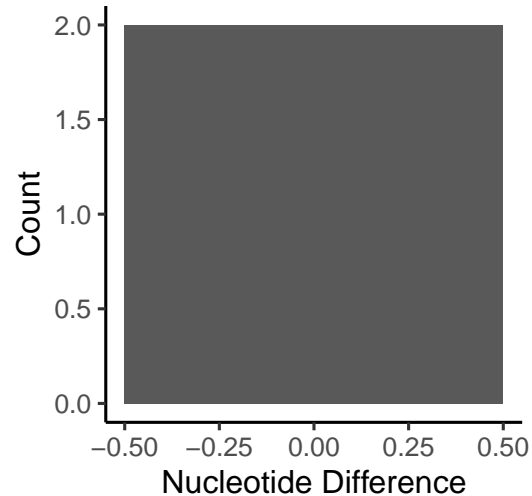
IGHV1-18*01

398 sequences assigned
159 (39.9%) exact matches, in which:
159 unique CDR3
7 unique J



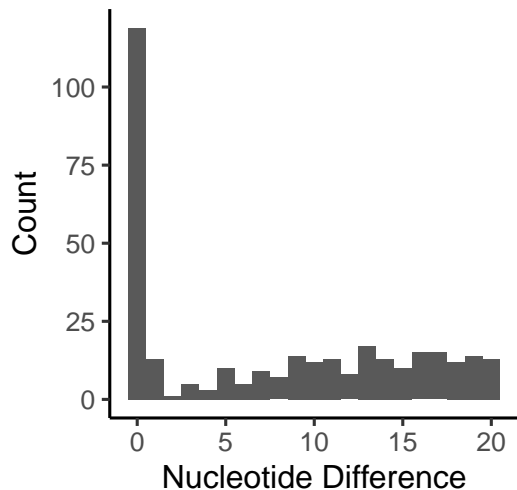
IGHV1-45*02

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



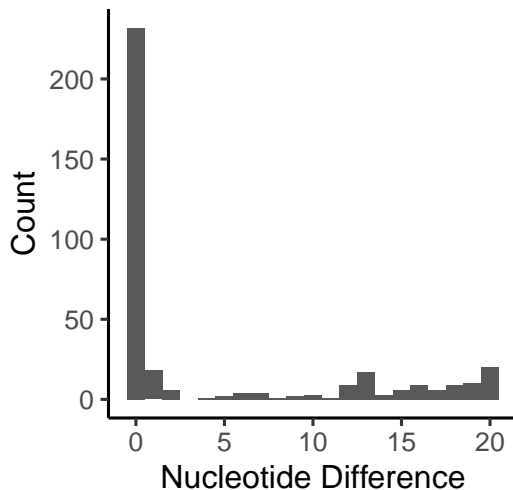
IGHV1-46*01

435 sequences assigned
119 (27.4%) exact matches, in which:
119 unique CDR3
7 unique J



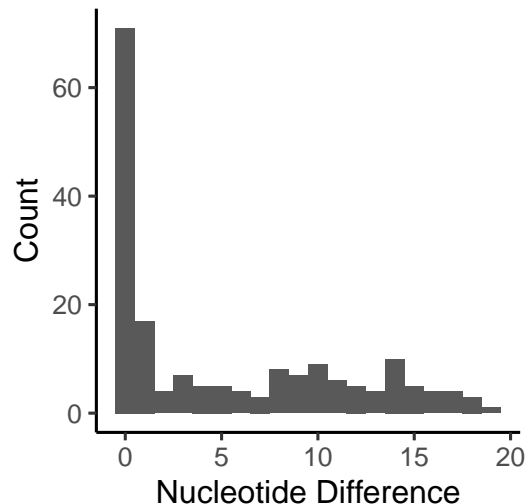
IGHV1-69*06

558 sequences assigned
232 (41.6%) exact matches, in which:
231 unique CDR3
6 unique J



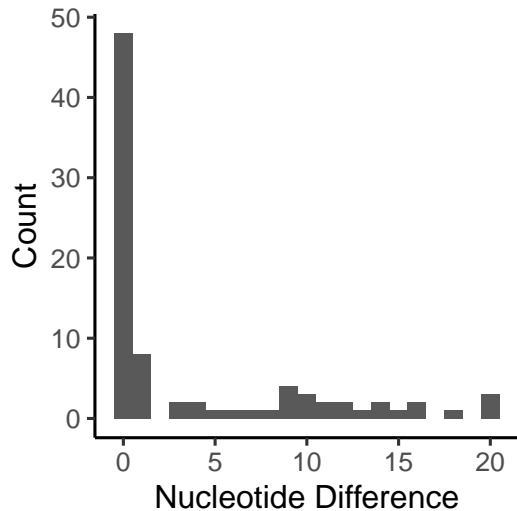
IGHV2-26*01

203 sequences assigned
71 (35%) exact matches, in which:
71 unique CDR3
5 unique J



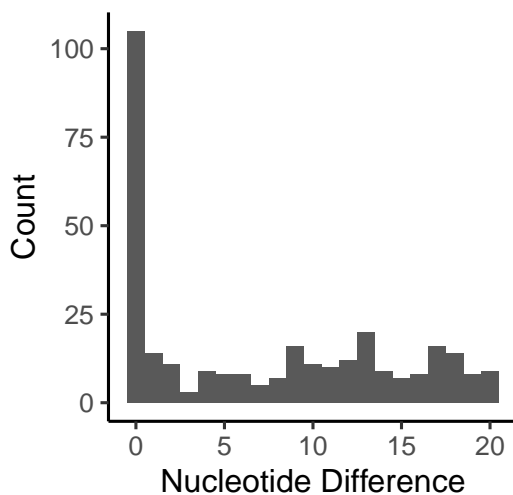
IGHV1-58*01

124 sequences assigned
48 (38.7%) exact matches, in which:
48 unique CDR3
7 unique J



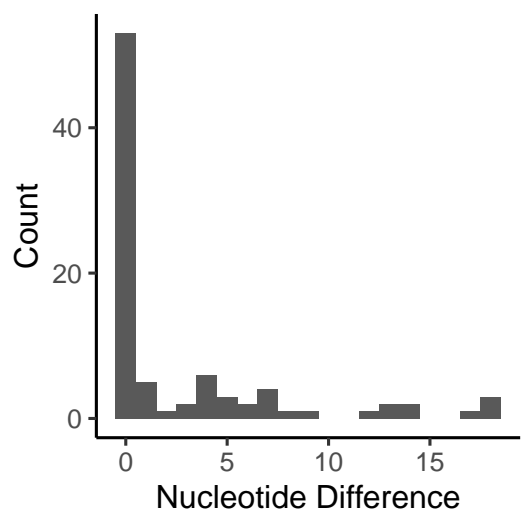
IGHV2-5*01

349 sequences assigned
105 (30.1%) exact matches, in which:
105 unique CDR3
6 unique J



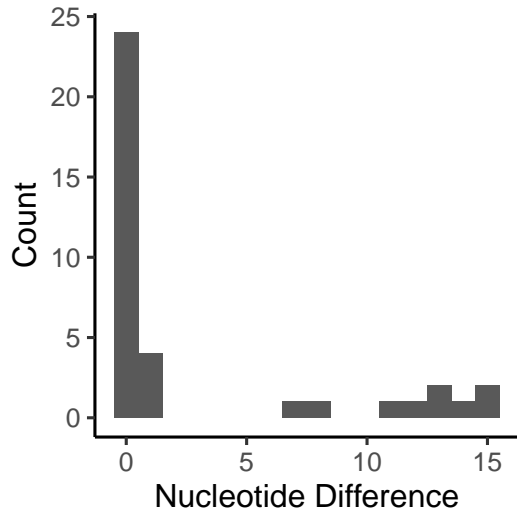
IGHV2-70*01

103 sequences assigned
53 (51.5%) exact matches, in which:
53 unique CDR3
5 unique J



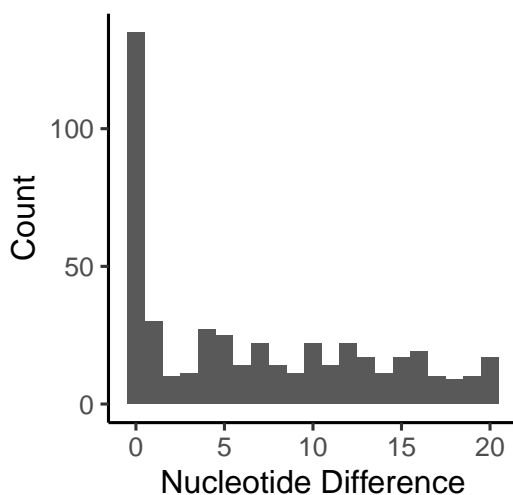
IGHV1-69-2*01

44 sequences assigned
24 (54.5%) exact matches, in which:
24 unique CDR3
5 unique J



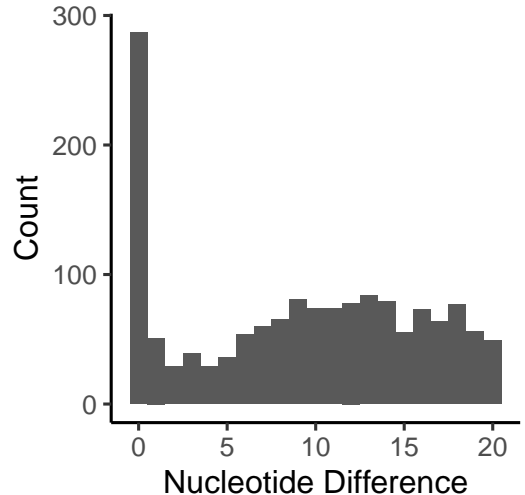
IGHV2-5*02

623 sequences assigned
135 (21.7%) exact matches, in which:
135 unique CDR3
6 unique J



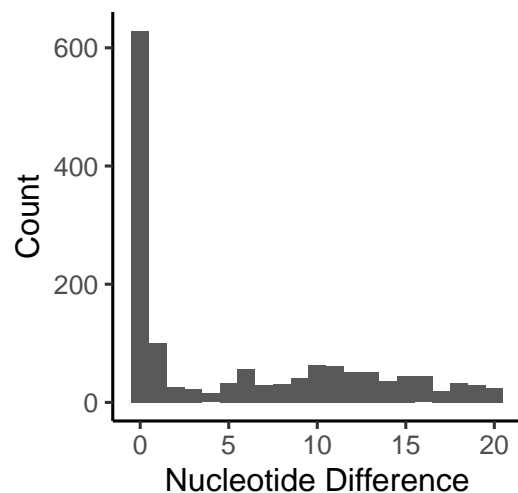
IGHV3-7*01

1793 sequences assigned
287 (16%) exact matches, in which:
287 unique CDR3
7 unique J



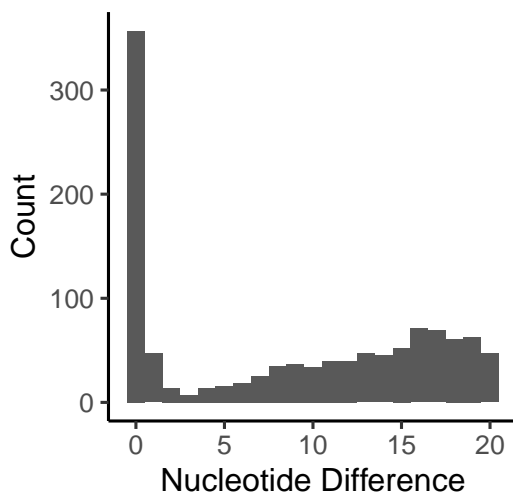
IGHV3-9*01

1663 sequences assigned
629 (37.8%) exact matches, in which:
626 unique CDR3
7 unique J



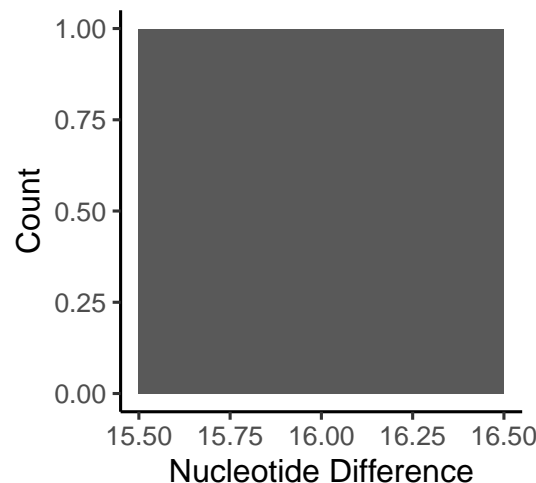
IGHV3-15*01

1492 sequences assigned
357 (23.9%) exact matches, in which:
357 unique CDR3
7 unique J



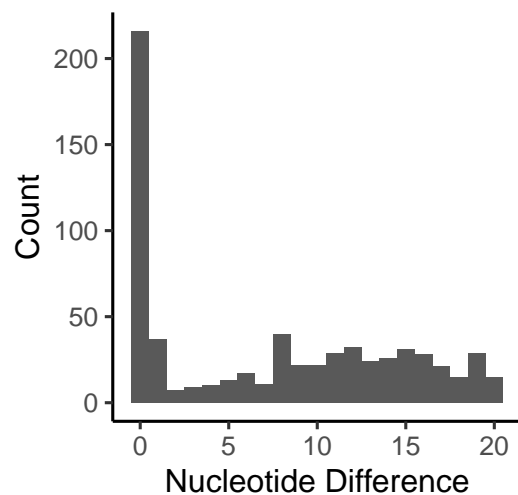
IGHV3-20*04

5 sequences assigned
No exact matches.



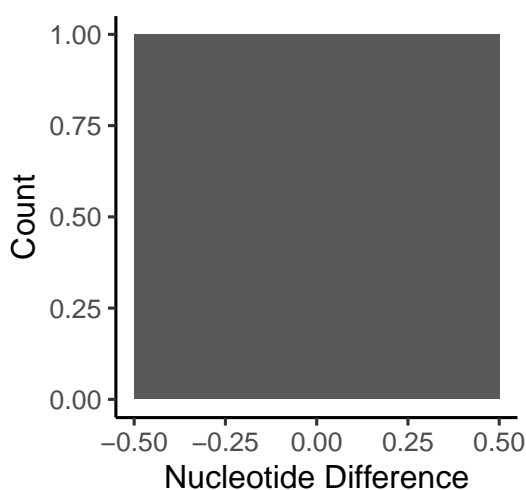
IGHV3-11*01

762 sequences assigned
216 (28.3%) exact matches, in which:
216 unique CDR3
7 unique J



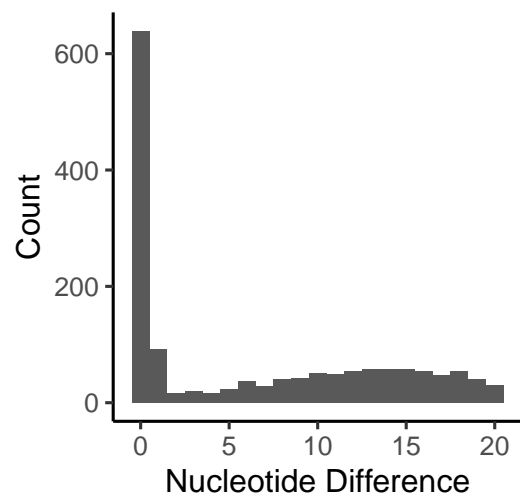
IGHV3-19*01

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



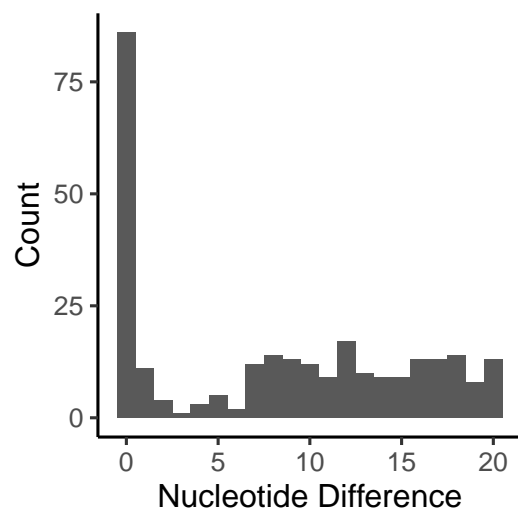
IGHV3-21*01

1809 sequences assigned
639 (35.3%) exact matches, in which:
638 unique CDR3
7 unique J



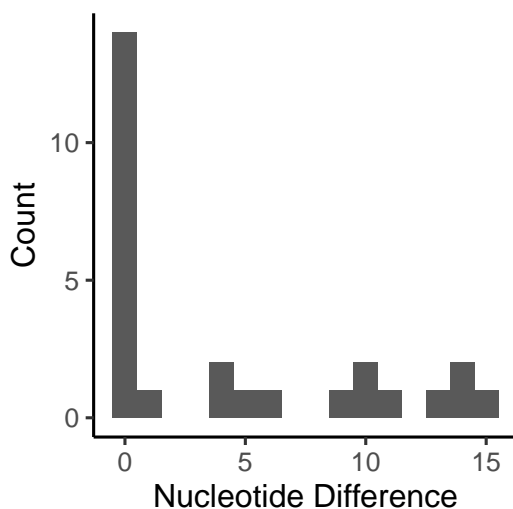
IGHV3-13*01

342 sequences assigned
86 (25.1%) exact matches, in which:
86 unique CDR3
6 unique J



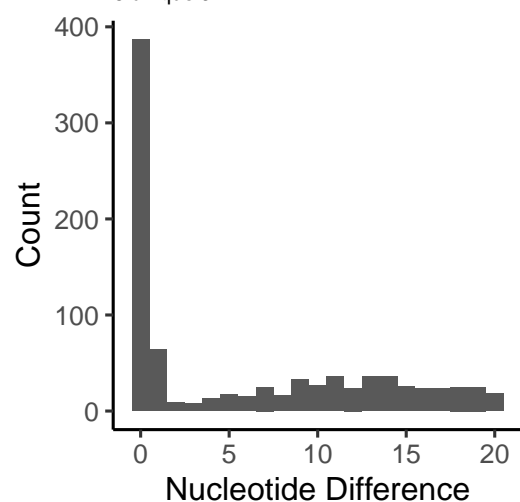
IGHV3-20*01

31 sequences assigned
14 (45.2%) exact matches, in which:
13 unique CDR3
5 unique J



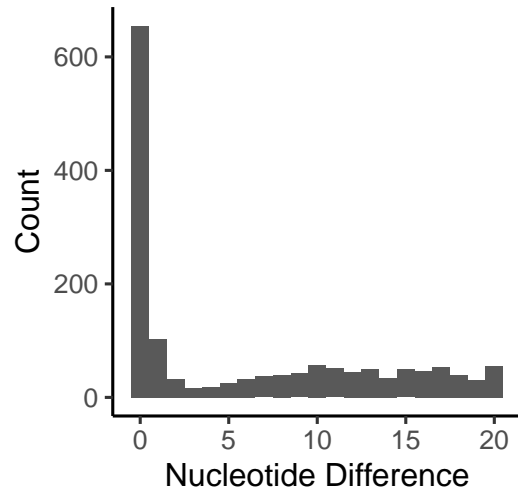
IGHV3-30-3*01

1132 sequences assigned
387 (34.2%) exact matches, in which:
384 unique CDR3
6 unique J



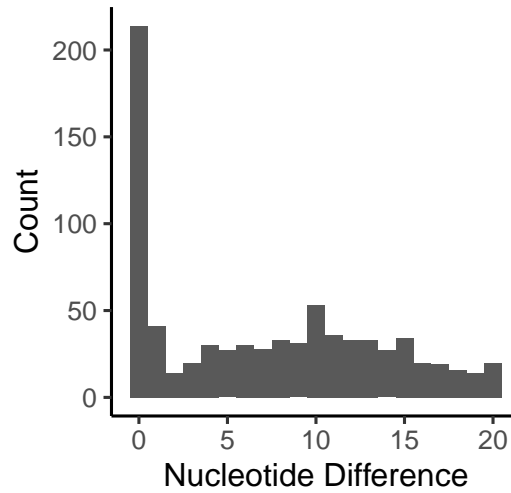
IGHV3–33*01

1812 sequences assigned
655 (36.1%) exact matches, in which:
653 unique CDR3
7 unique J



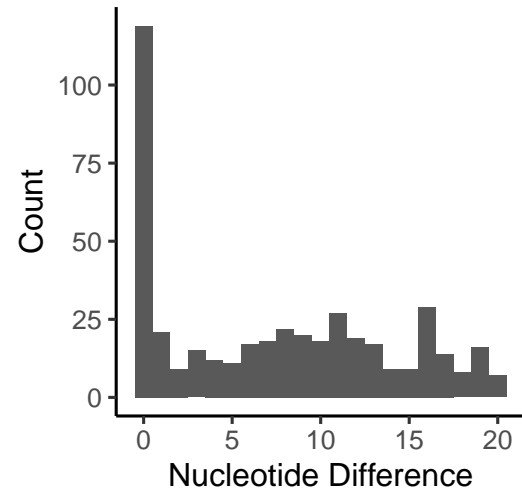
IGHV3–48*03

916 sequences assigned
214 (23.4%) exact matches, in which:
214 unique CDR3
6 unique J



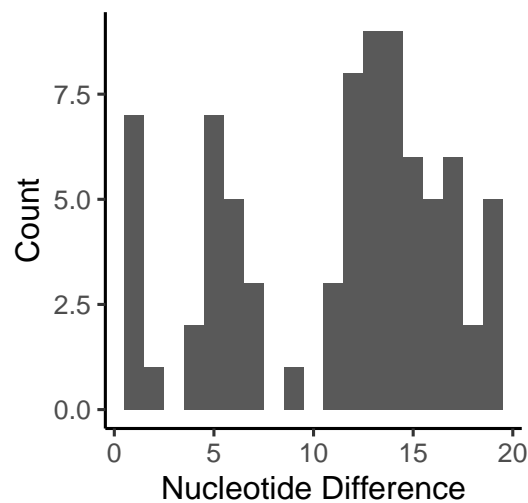
IGHV3–53*01

552 sequences assigned
119 (21.6%) exact matches, in which:
119 unique CDR3
7 unique J



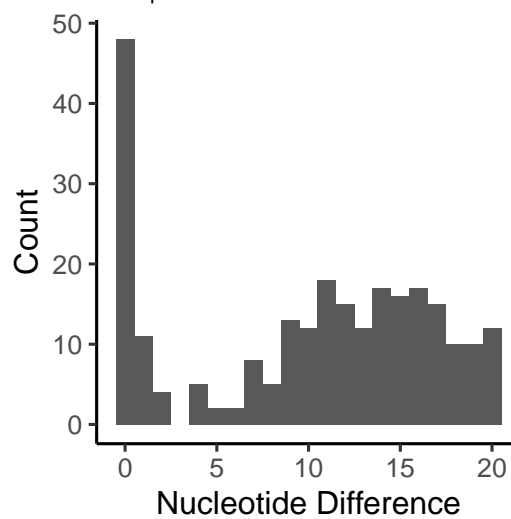
IGHV3–43*01

90 sequences assigned
No exact matches.



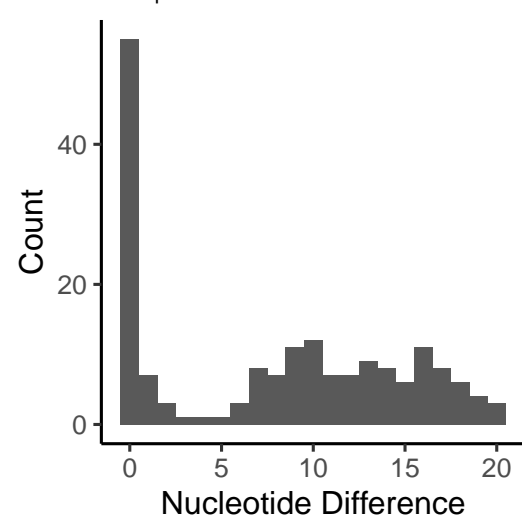
IGHV3–49*04

329 sequences assigned
48 (14.6%) exact matches, in which:
48 unique CDR3
4 unique J



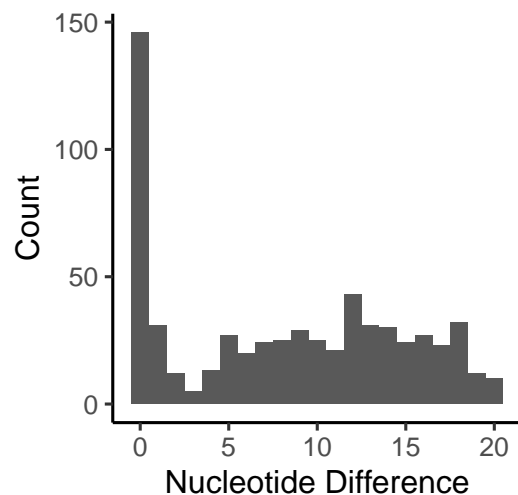
IGHV3–53*02

233 sequences assigned
55 (23.6%) exact matches, in which:
54 unique CDR3
6 unique J



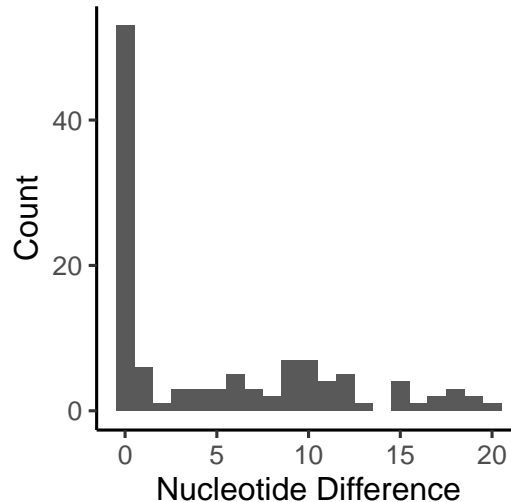
IGHV3–48*02

714 sequences assigned
146 (20.4%) exact matches, in which:
146 unique CDR3
6 unique J



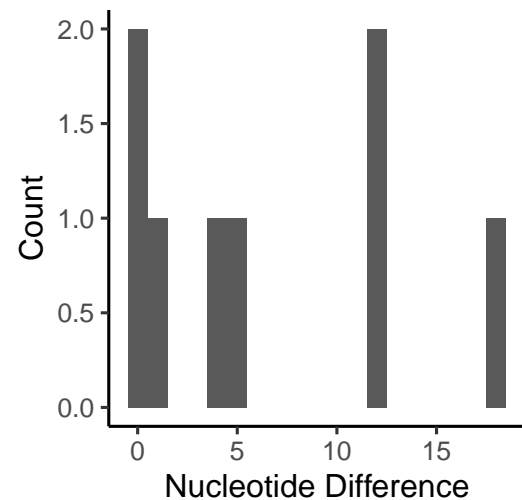
IGHV3–49*05

152 sequences assigned
53 (34.9%) exact matches, in which:
53 unique CDR3
5 unique J



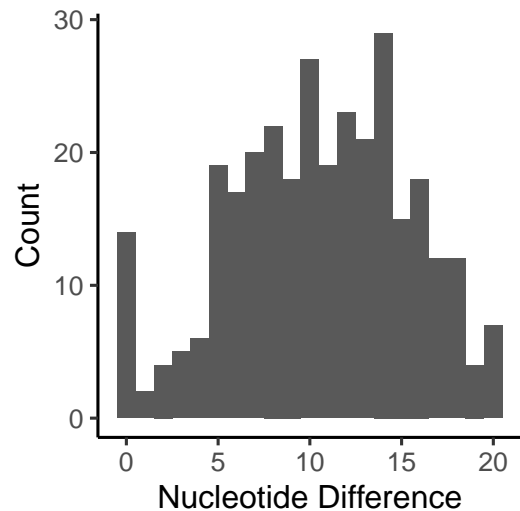
IGHV3–64*02

13 sequences assigned
2 (15.4%) exact matches, in which:
2 unique CDR3
1 unique J



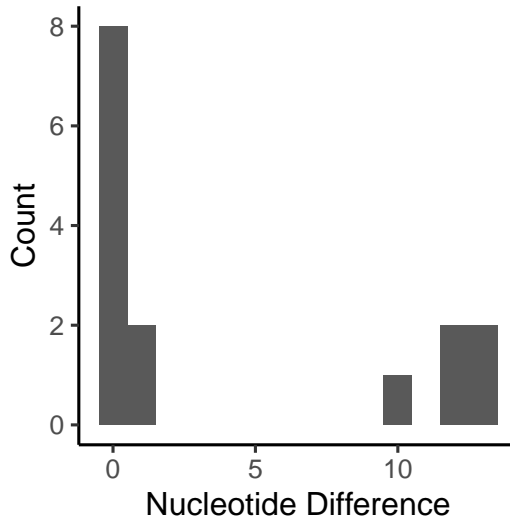
IGHV3-72*01

340 sequences assigned
14 (4.1%) exact matches, in which:
14 unique CDR3
4 unique J



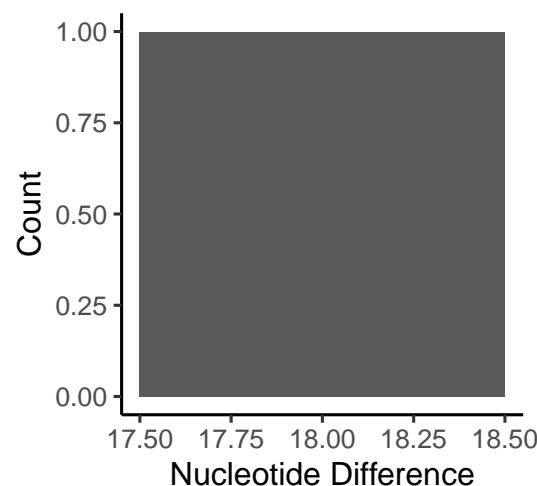
IGHV3-43D*04

26 sequences assigned
8 (30.8%) exact matches, in which:
8 unique CDR3
3 unique J



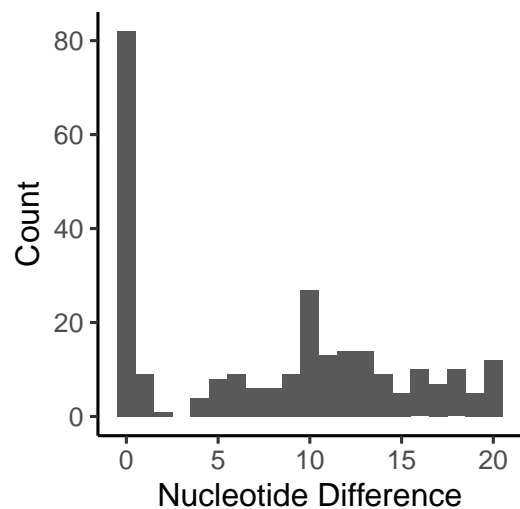
IGHV4-28*01

1 sequences assigned
No exact matches.



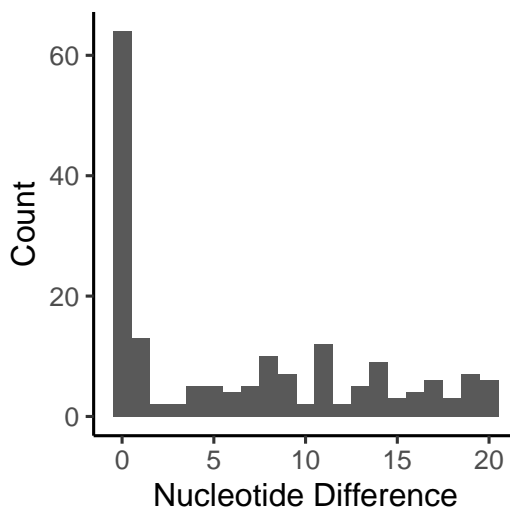
IGHV3-73*02

298 sequences assigned
82 (27.5%) exact matches, in which:
82 unique CDR3
6 unique J



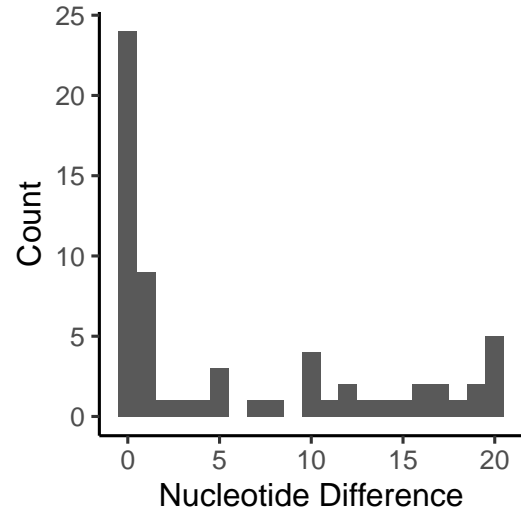
IGHV4-4*02

248 sequences assigned
64 (25.8%) exact matches, in which:
64 unique CDR3
6 unique J



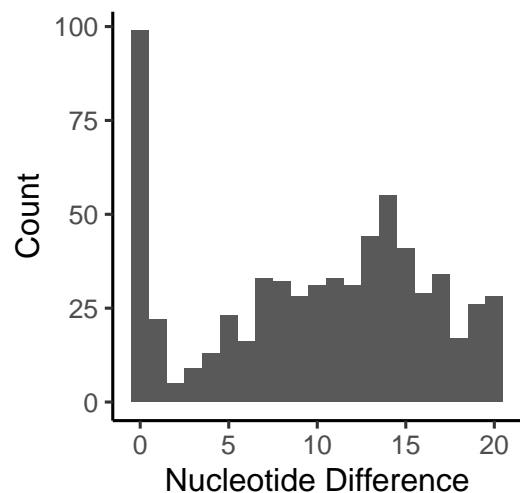
IGHV4-30-2*01

90 sequences assigned
24 (26.7%) exact matches, in which:
24 unique CDR3
5 unique J



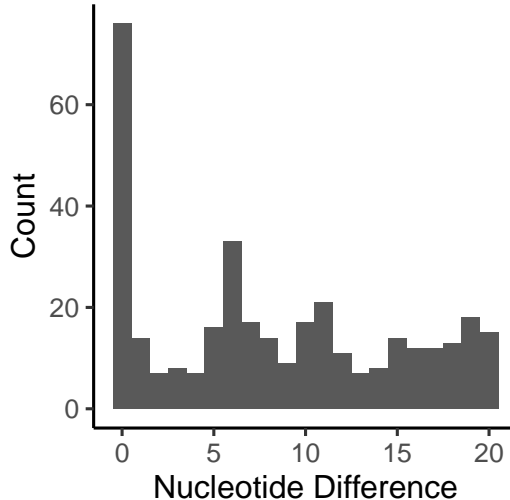
IGHV3-74*01

806 sequences assigned
99 (12.3%) exact matches, in which:
99 unique CDR3
7 unique J



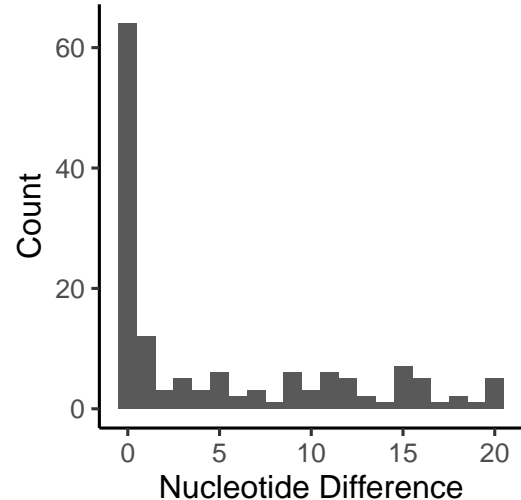
IGHV4-4*07

431 sequences assigned
76 (17.6%) exact matches, in which:
76 unique CDR3
5 unique J



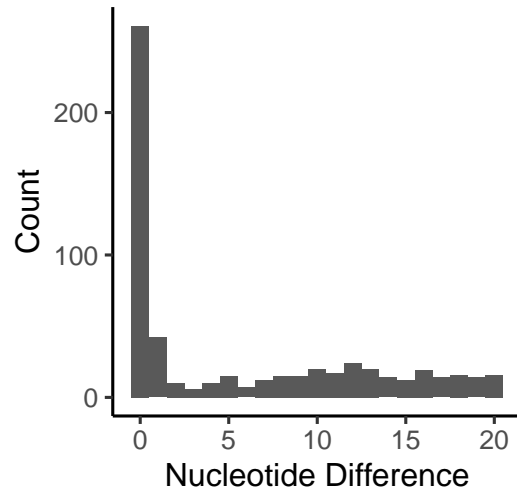
IGHV4-30-4*01

187 sequences assigned
64 (34.2%) exact matches, in which:
64 unique CDR3
6 unique J



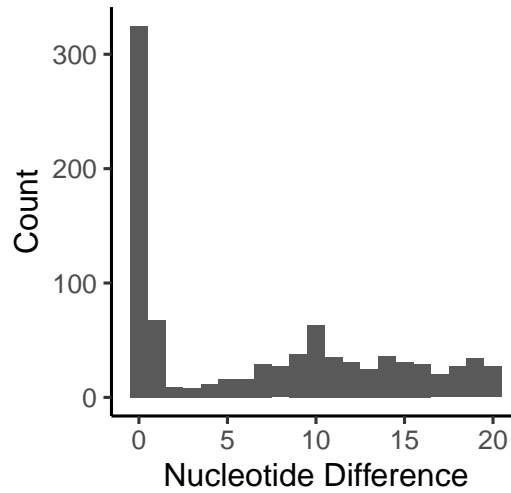
IGHV4-31*03

824 sequences assigned
261 (31.7%) exact matches, in which:
260 unique CDR3
7 unique J



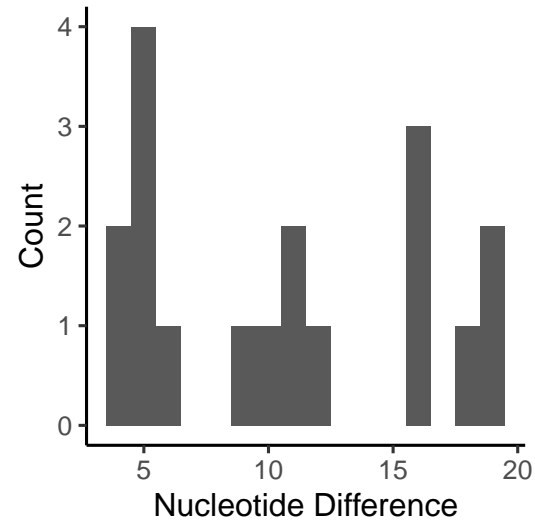
IGHV4-39*01

1256 sequences assigned
325 (25.9%) exact matches, in which:
324 unique CDR3
6 unique J



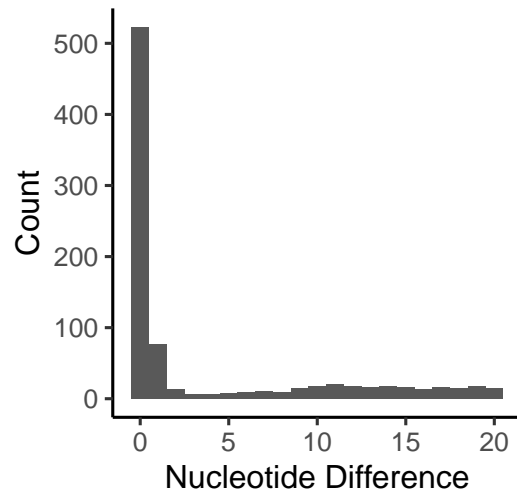
IGHV4-61*08

33 sequences assigned
No exact matches.



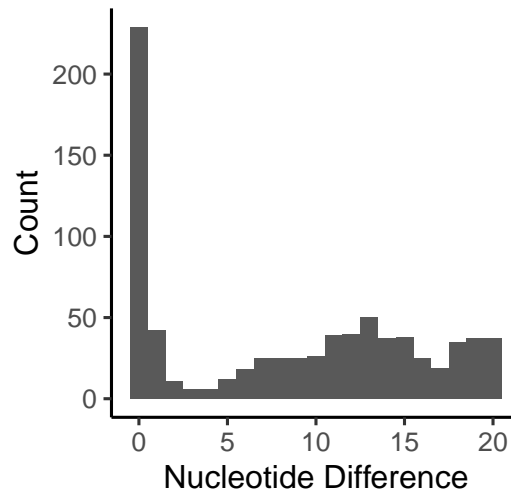
IGHV4-34*01

1026 sequences assigned
523 (51%) exact matches, in which:
520 unique CDR3
7 unique J



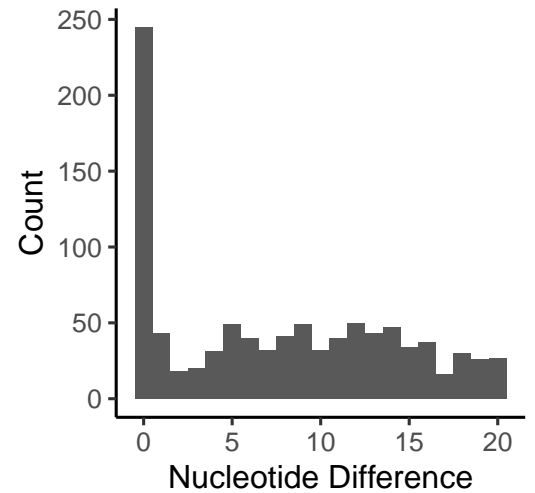
IGHV4-59*01

1089 sequences assigned
229 (21%) exact matches, in which:
229 unique CDR3
7 unique J



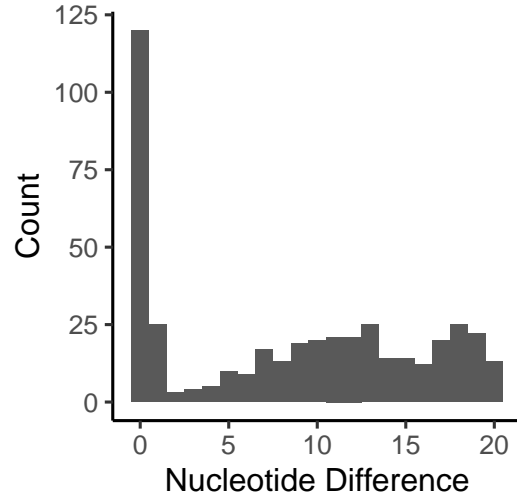
IGHV5-51*01

1133 sequences assigned
245 (21.6%) exact matches, in which:
244 unique CDR3
7 unique J



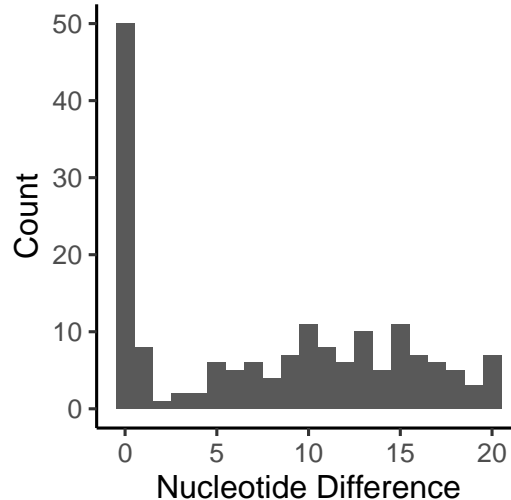
IGHV4-38-2*02_A70G

578 sequences assigned
120 (20.8%) exact matches, in which:
120 unique CDR3
6 unique J



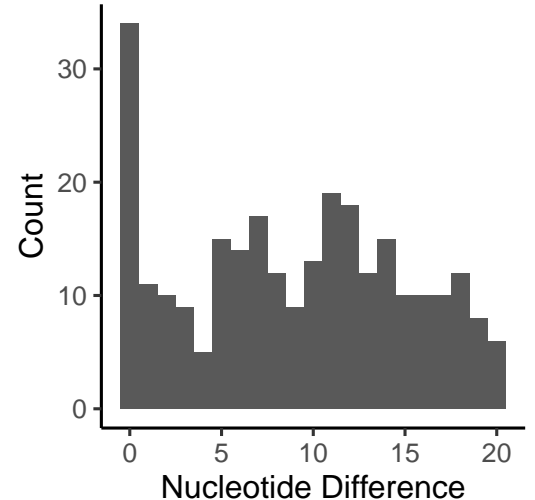
IGHV4-61*01

220 sequences assigned
50 (22.7%) exact matches, in which:
50 unique CDR3
6 unique J



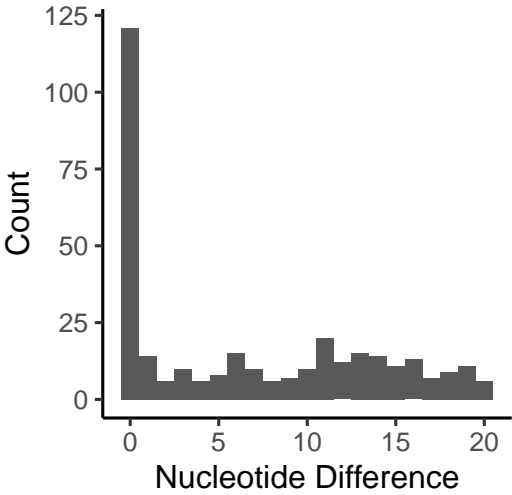
IGHV6-1*01

300 sequences assigned
34 (11.3%) exact matches, in which:
34 unique CDR3
6 unique J

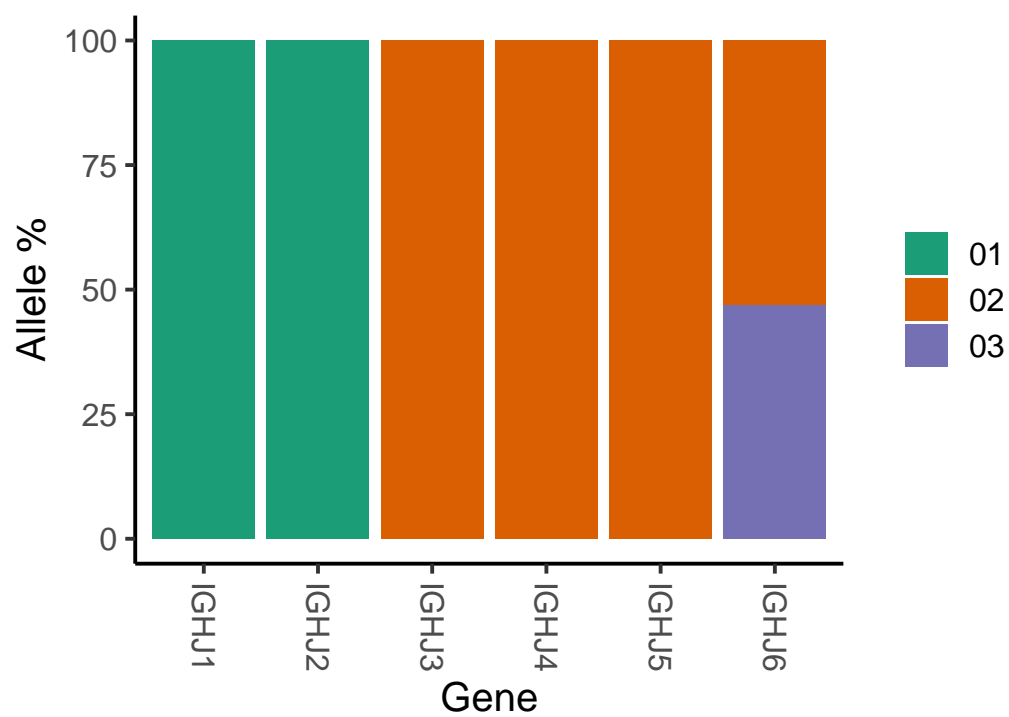


IGHV7-4-1*02

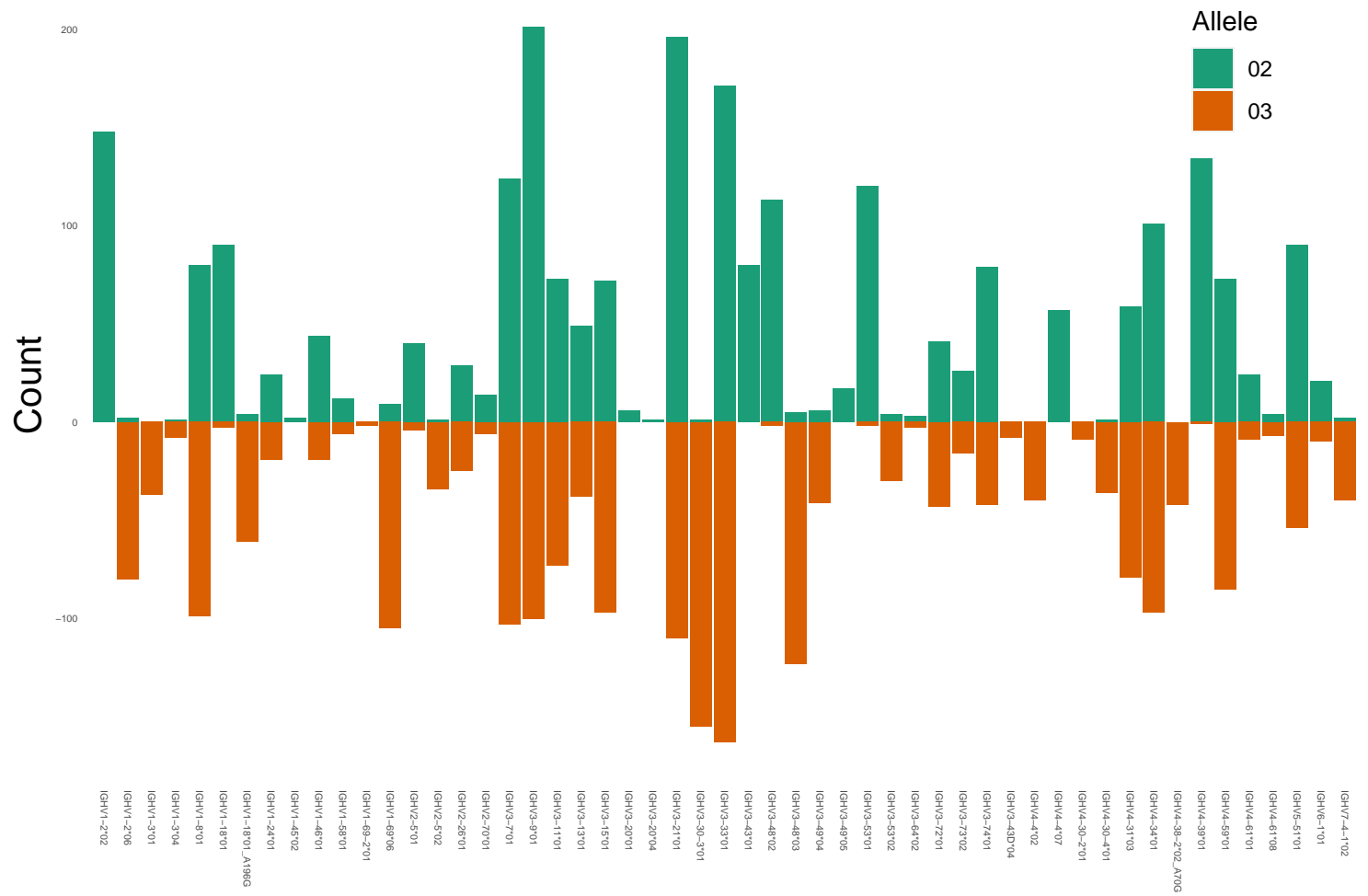
387 sequences assigned
121 (31.3%) exact matches, in which:
121 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.

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