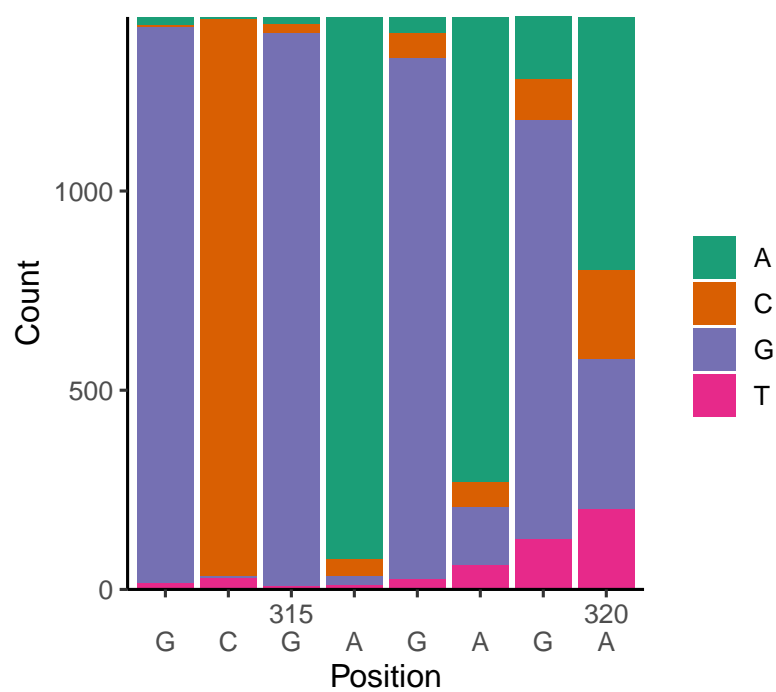


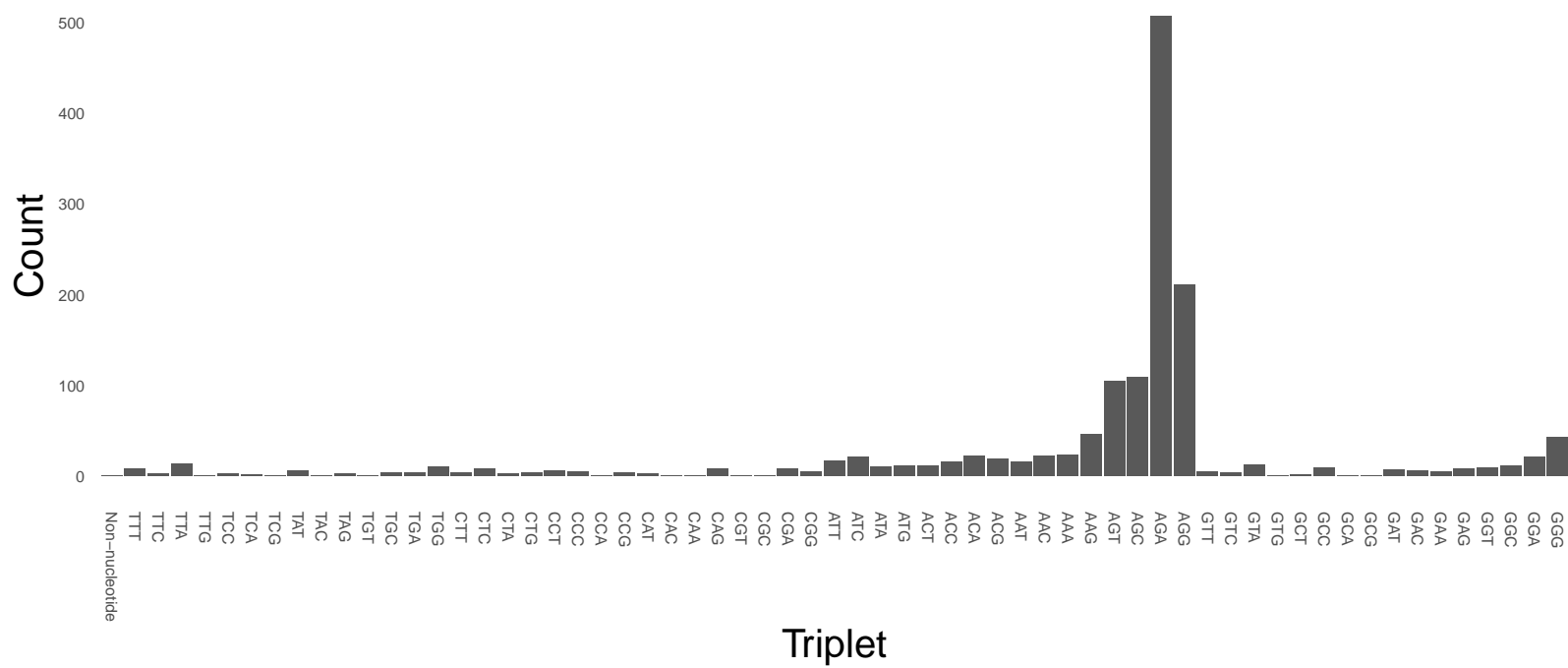
Gene IGHV1-2*02_C135T



Gene IGHV1-2*02_C135T

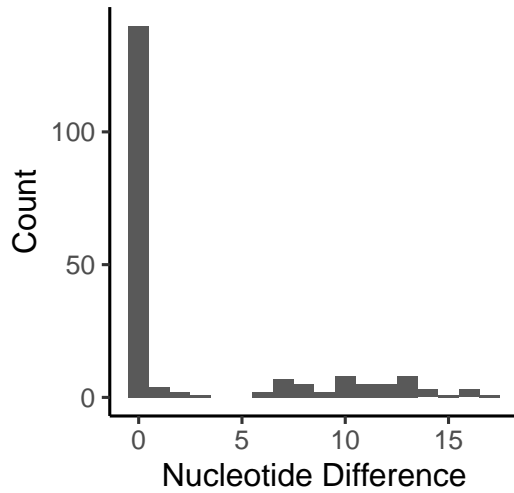


IGHV1-2*02_C135T- Final 3 nucleotides as a triplet



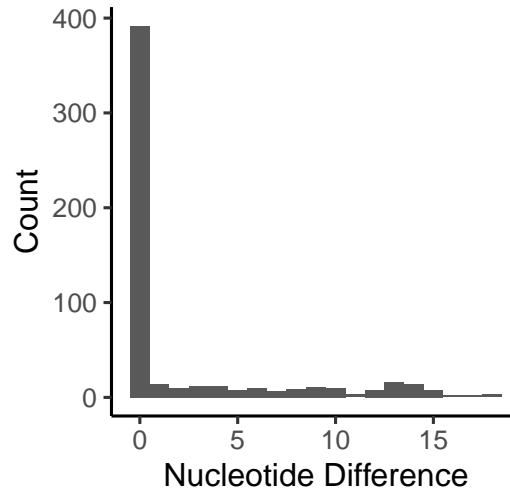
IGHV1-2*04

200 sequences assigned
140 (70%) exact matches, in which:
138 unique CDR3
4 unique J



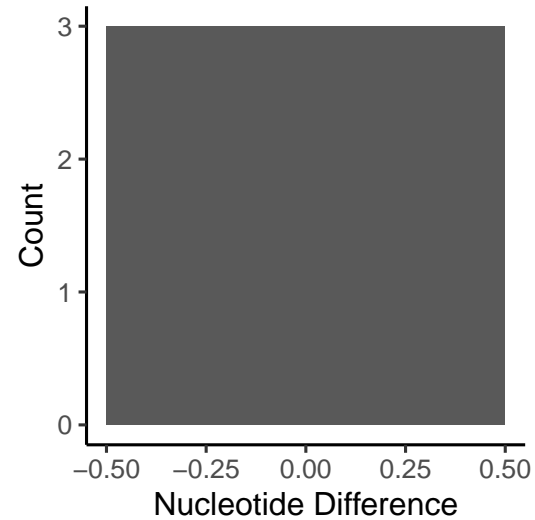
IGHV1-8*01

568 sequences assigned
392 (69%) exact matches, in which:
388 unique CDR3
5 unique J



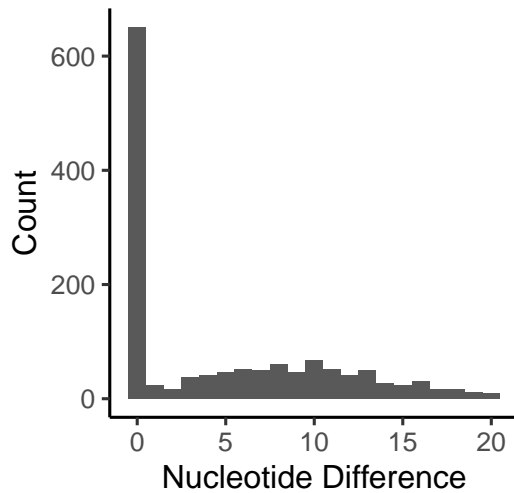
IGHV1-45*02

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



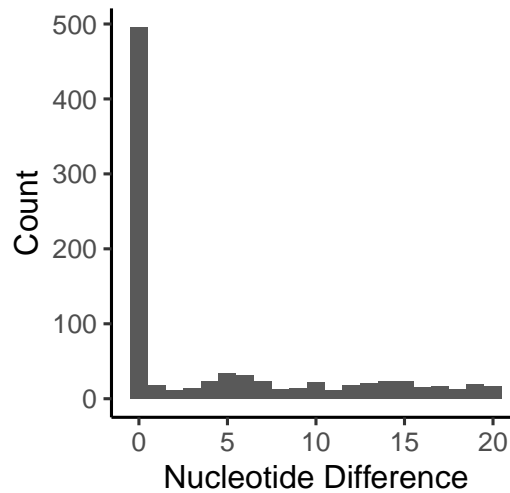
IGHV1-2*02_C135T

1437 sequences assigned
651 (45.3%) exact matches, in which:
649 unique CDR3
6 unique J



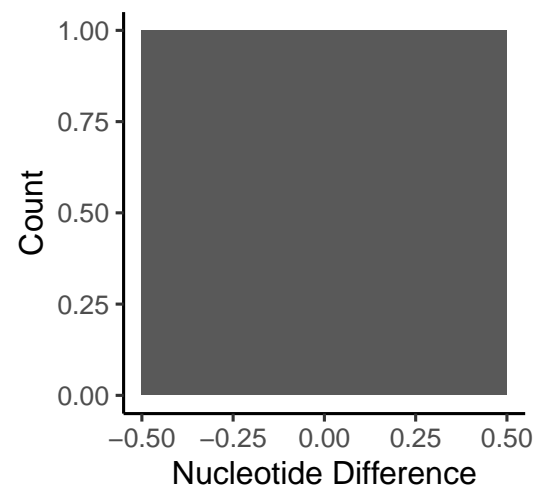
IGHV1-18*01

1080 sequences assigned
496 (45.9%) exact matches, in which:
492 unique CDR3
6 unique J



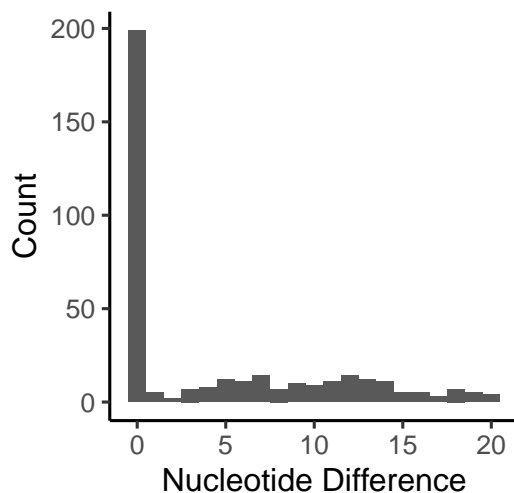
IGHV1-45*03

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



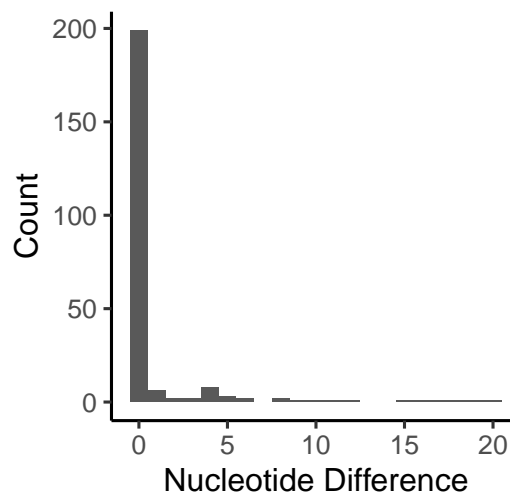
IGHV1-3*01_05

414 sequences assigned
199 (48.1%) exact matches, in which:
198 unique CDR3
6 unique J



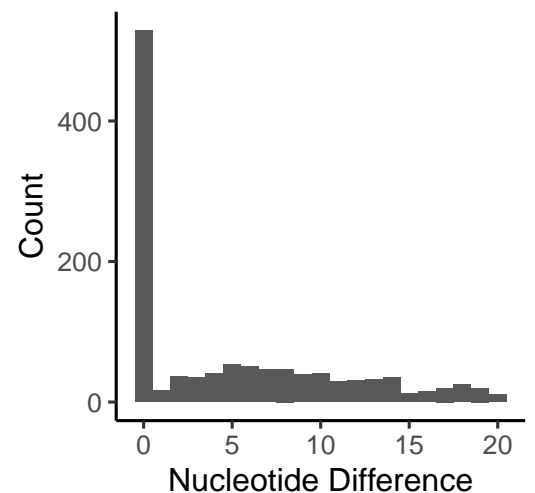
IGHV1-24*01

249 sequences assigned
199 (79.9%) exact matches, in which:
196 unique CDR3
6 unique J



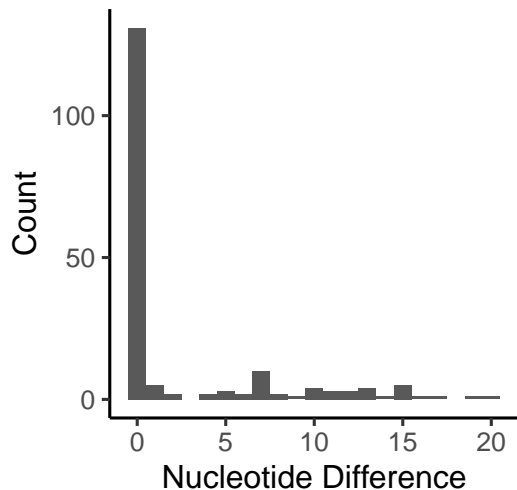
IGHV1-46*01

1252 sequences assigned
529 (42.3%) exact matches, in which:
526 unique CDR3
6 unique J



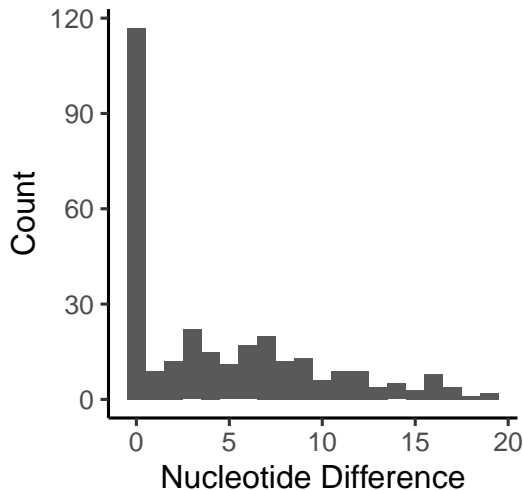
IGHV1–58*01_03

186 sequences assigned
131 (70.4%) exact matches, in which:
130 unique CDR3
6 unique J



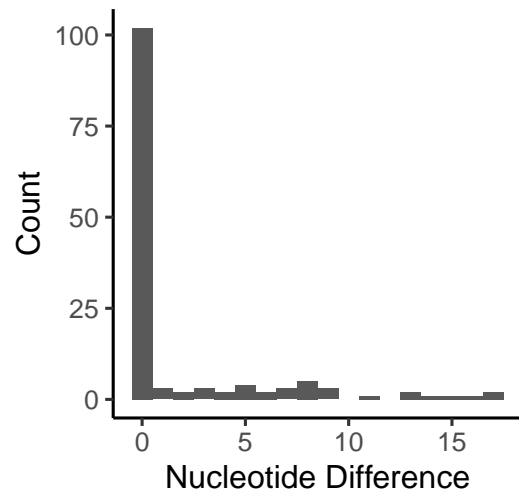
IGHV2–5*01

310 sequences assigned
117 (37.7%) exact matches, in which:
117 unique CDR3
5 unique J



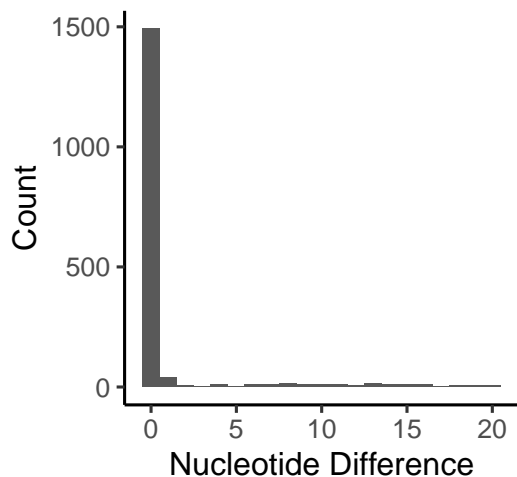
IGHV2–70*01

142 sequences assigned
102 (71.8%) exact matches, in which:
102 unique CDR3
6 unique J



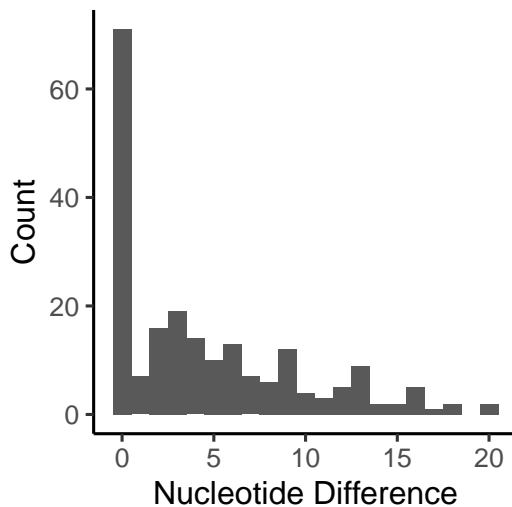
IGHV1–69*04_09

1751 sequences assigned
1492 (85.2%) exact matches, in which:
1486 unique CDR3
6 unique J



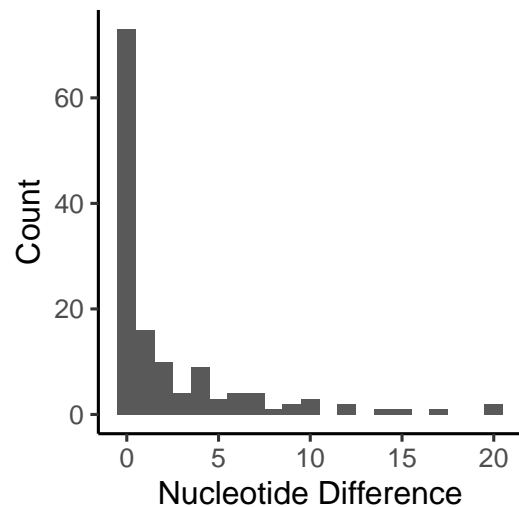
IGHV2–5*02

227 sequences assigned
71 (31.3%) exact matches, in which:
71 unique CDR3
6 unique J



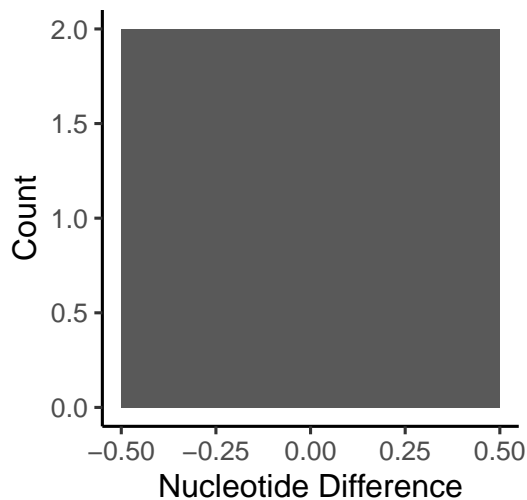
IGHV2–70*11_15

141 sequences assigned
73 (51.8%) exact matches, in which:
72 unique CDR3
5 unique J



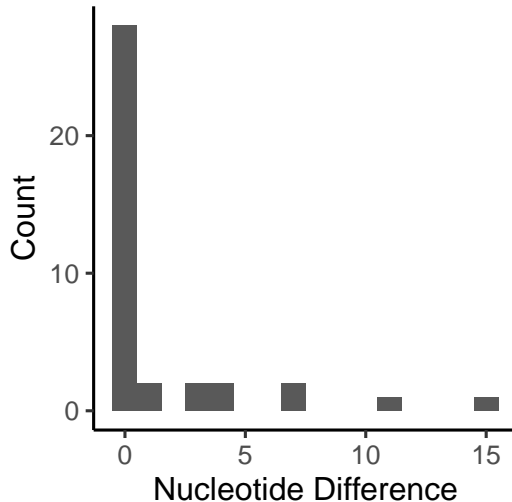
IGHV1–69D*01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



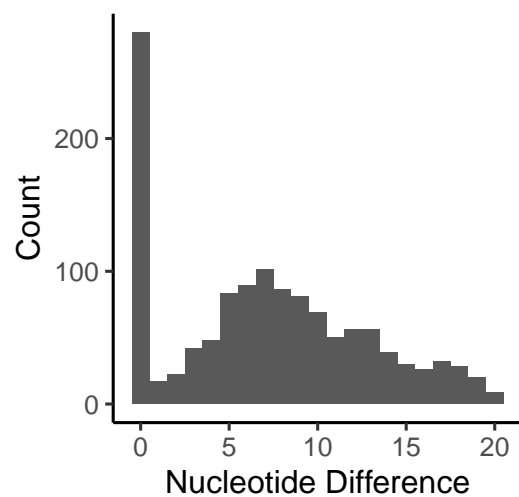
IGHV2–26*01

41 sequences assigned
28 (68.3%) exact matches, in which:
28 unique CDR3
5 unique J



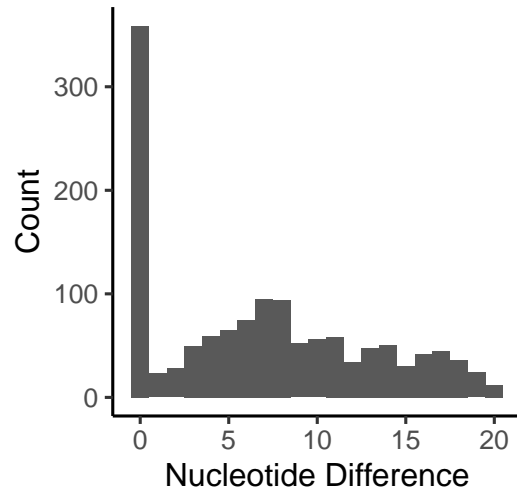
IGHV3–7*01

1357 sequences assigned
280 (20.6%) exact matches, in which:
260 unique CDR3
6 unique J



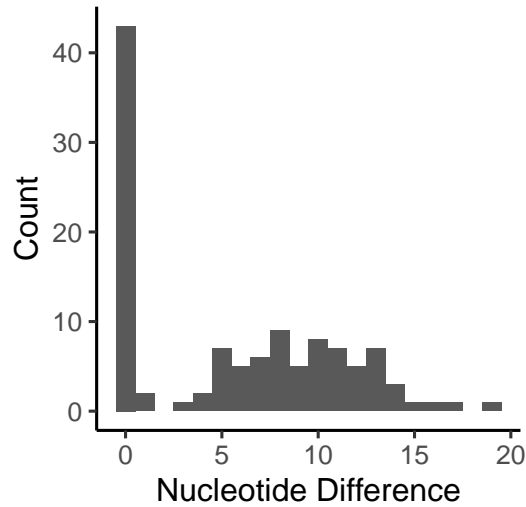
IGHV3-7*03

1441 sequences assigned
359 (24.9%) exact matches, in which:
328 unique CDR3
6 unique J



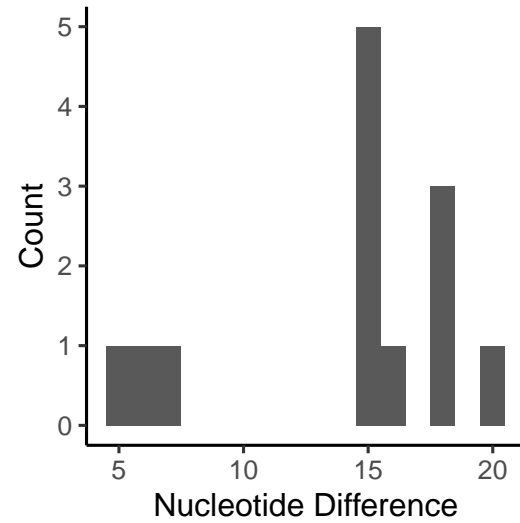
IGHV3-13*01

134 sequences assigned
43 (32.1%) exact matches, in which:
38 unique CDR3
5 unique J



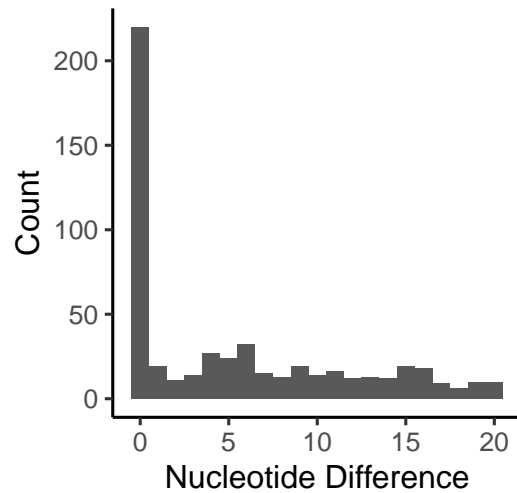
IGHV3-20*03_04

17 sequences assigned
No exact matches.



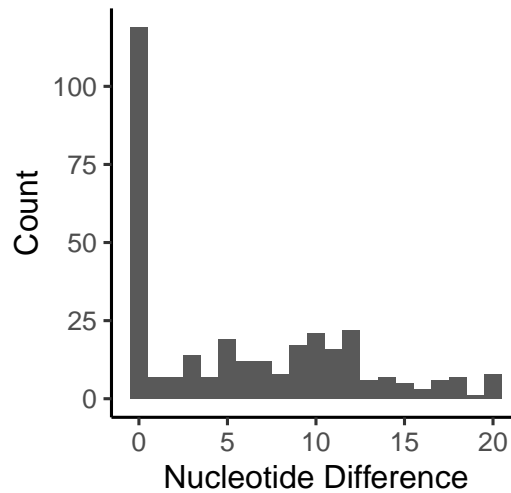
IGHV3-9*01

574 sequences assigned
220 (38.3%) exact matches, in which:
213 unique CDR3
6 unique J



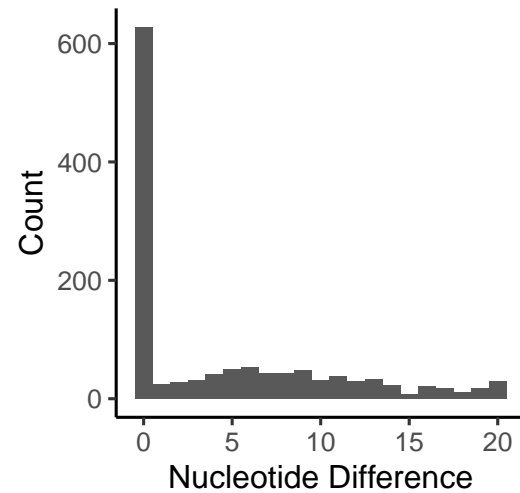
IGHV3-15*01_02

345 sequences assigned
119 (34.5%) exact matches, in which:
115 unique CDR3
6 unique J



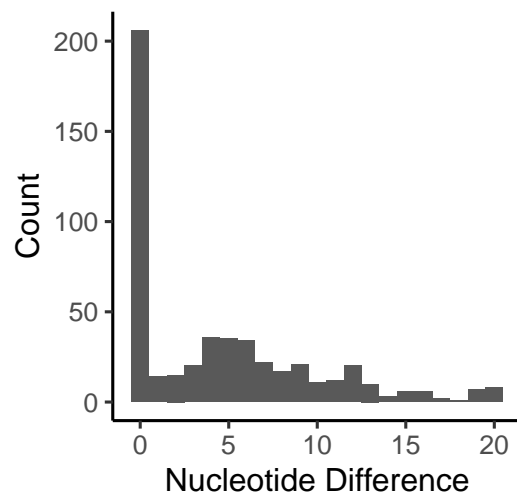
IGHV3-21*01_02

1333 sequences assigned
628 (47.1%) exact matches, in which:
582 unique CDR3
6 unique J



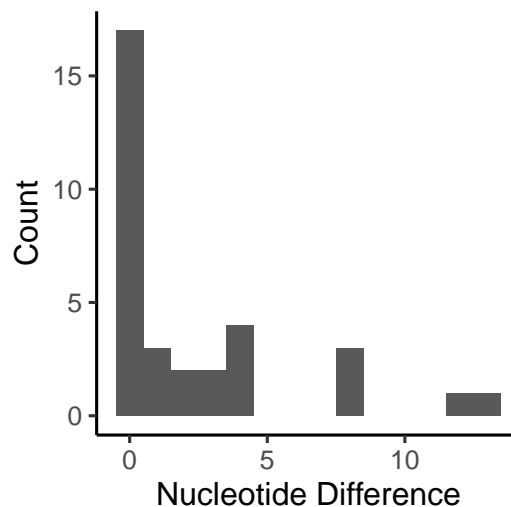
IGHV3-11*01

556 sequences assigned
206 (37.1%) exact matches, in which:
196 unique CDR3
5 unique J



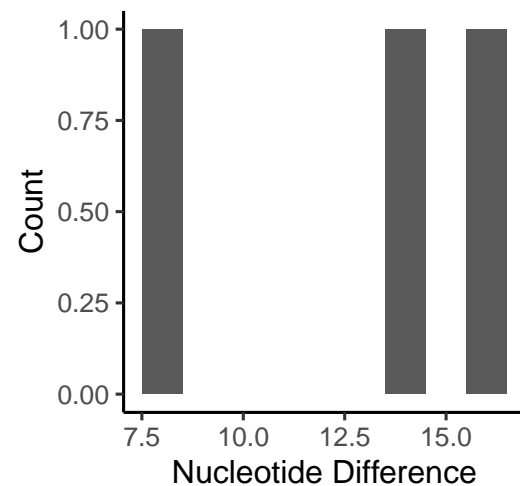
IGHV3-20*01_02

33 sequences assigned
17 (51.5%) exact matches, in which:
17 unique CDR3
5 unique J



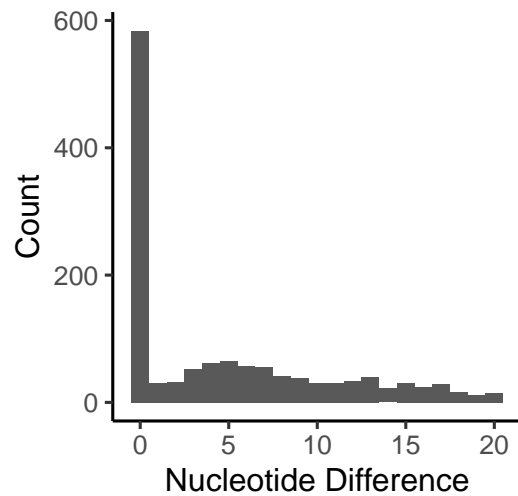
IGHV3-30-3*03

5 sequences assigned
No exact matches.



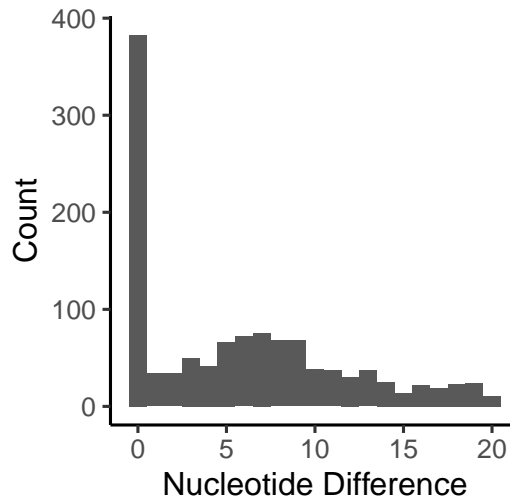
IGHV3-33*01

1399 sequences assigned
584 (41.7%) exact matches, in which:
559 unique CDR3
6 unique J



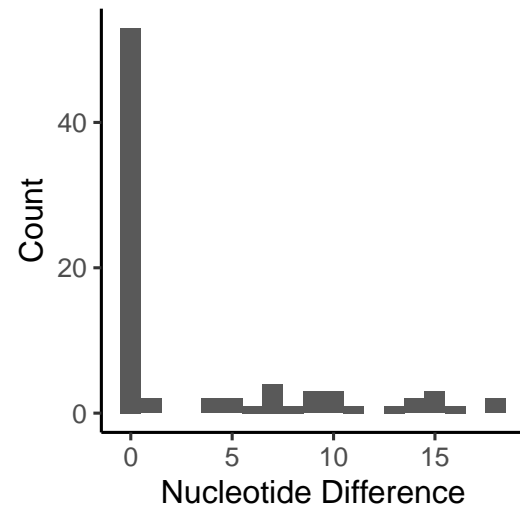
IGHV3-48*02

1245 sequences assigned
383 (30.8%) exact matches, in which:
348 unique CDR3
6 unique J



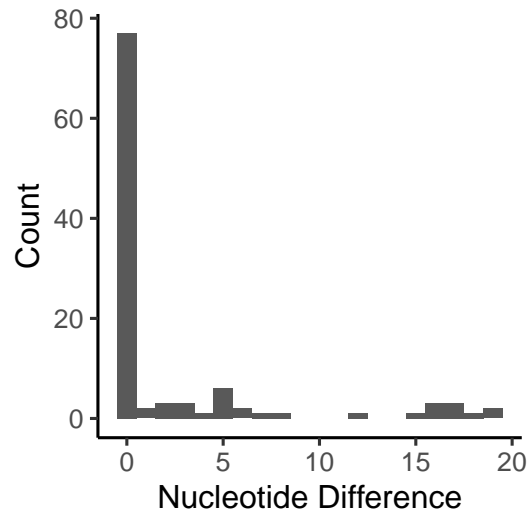
IGHV3-49*03_05

87 sequences assigned
53 (60.9%) exact matches, in which:
52 unique CDR3
5 unique J



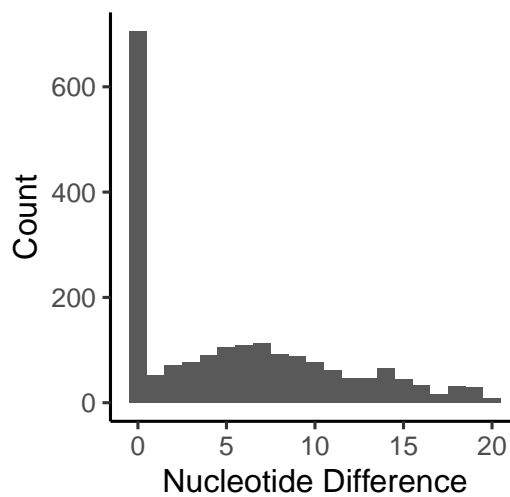
IGHV3-43*01

118 sequences assigned
77 (65.3%) exact matches, in which:
71 unique CDR3
6 unique J



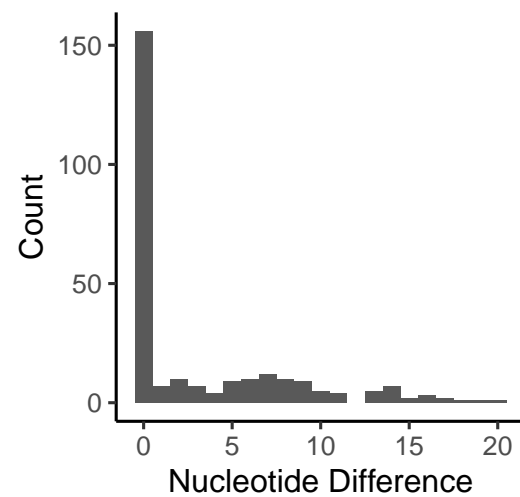
IGHV3-48*03

2083 sequences assigned
706 (33.9%) exact matches, in which:
664 unique CDR3
6 unique J



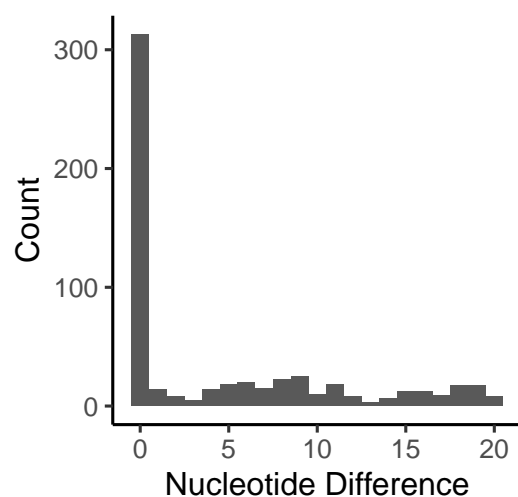
IGHV3-53*04

272 sequences assigned
156 (57.4%) exact matches, in which:
151 unique CDR3
6 unique J



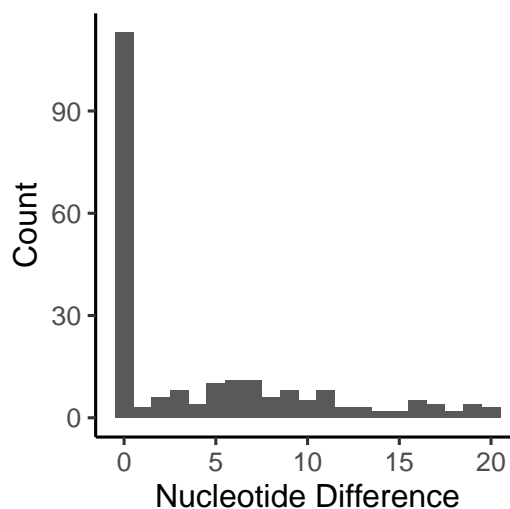
IGHV3-43*02

756 sequences assigned
313 (41.4%) exact matches, in which:
301 unique CDR3
6 unique J



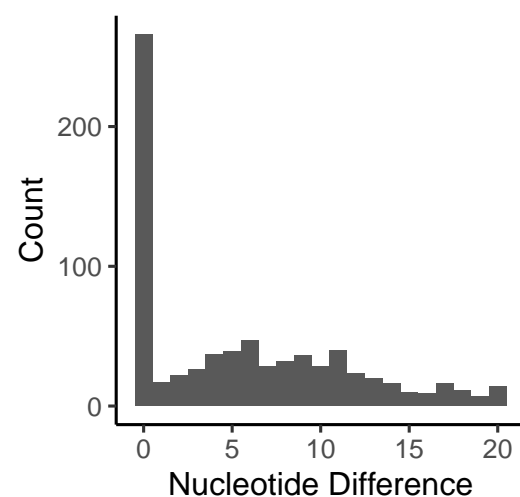
IGHV3-49*04

239 sequences assigned
113 (47.3%) exact matches, in which:
109 unique CDR3
6 unique J



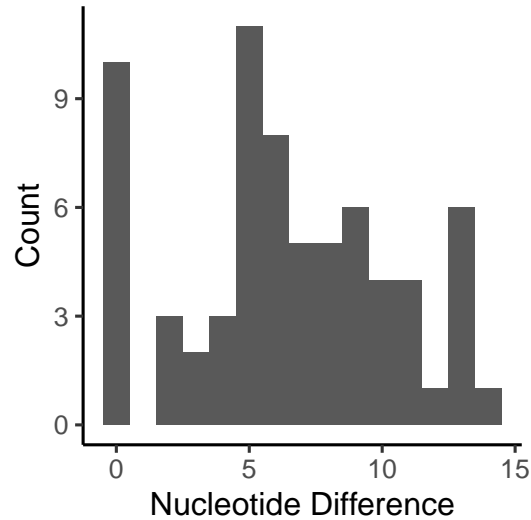
IGHV3-53*01_02

914 sequences assigned
266 (29.1%) exact matches, in which:
251 unique CDR3
6 unique J



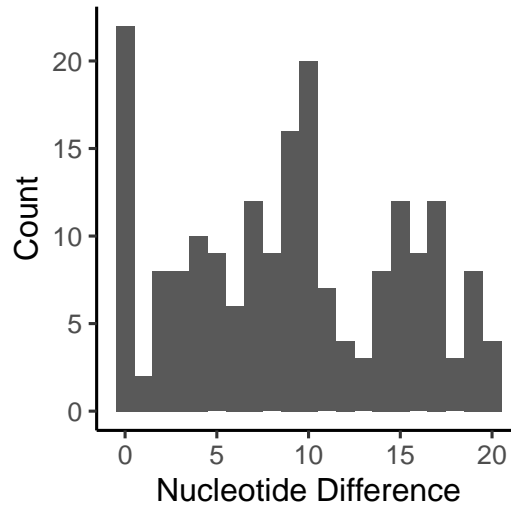
IGHV3-64*02_07

70 sequences assigned
10 (14.3%) exact matches, in which:
9 unique CDR3
4 unique J



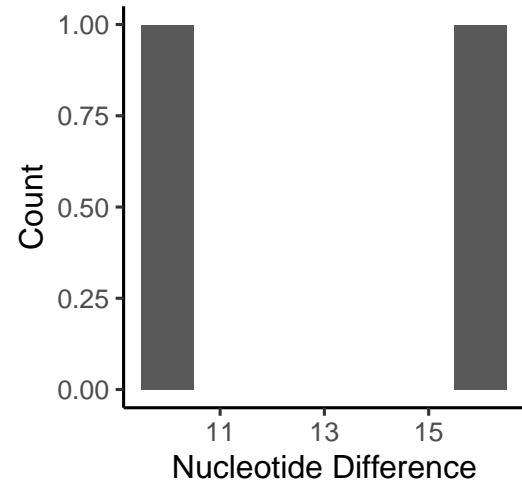
IGHV3-72*01

223 sequences assigned
22 (9.9%) exact matches, in which:
21 unique CDR3
4 unique J



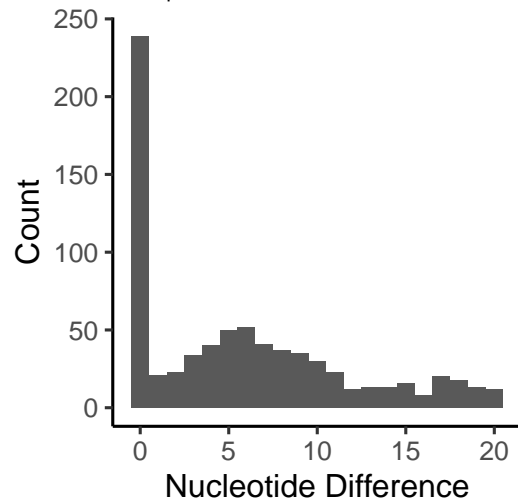
IGHV3-64D*06

2 sequences assigned
No exact matches.



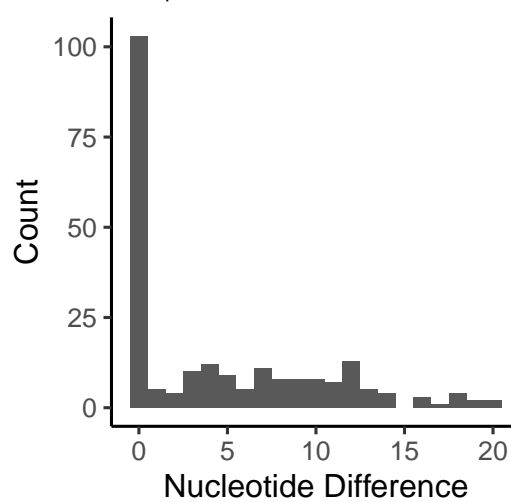
IGHV3-66*01

805 sequences assigned
239 (29.7%) exact matches, in which:
222 unique CDR3
6 unique J



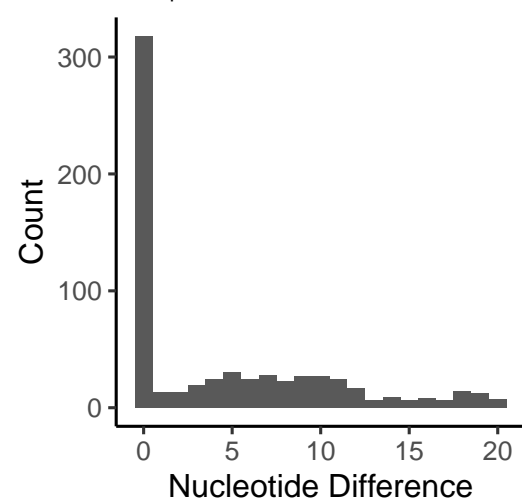
IGHV3-73*01_02

240 sequences assigned
103 (42.9%) exact matches, in which:
99 unique CDR3
6 unique J



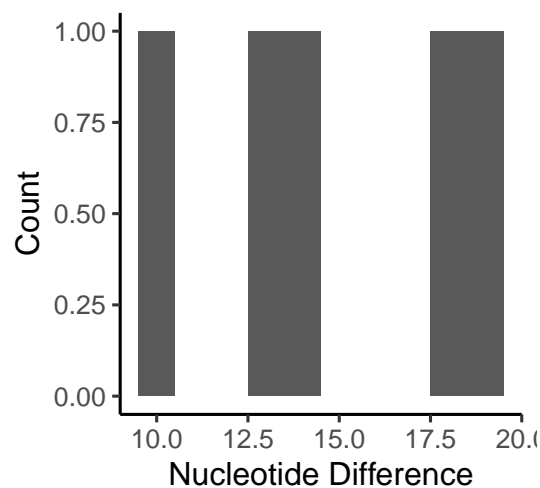
IGHV4-4*07

704 sequences assigned
318 (45.2%) exact matches, in which:
292 unique CDR3
5 unique J



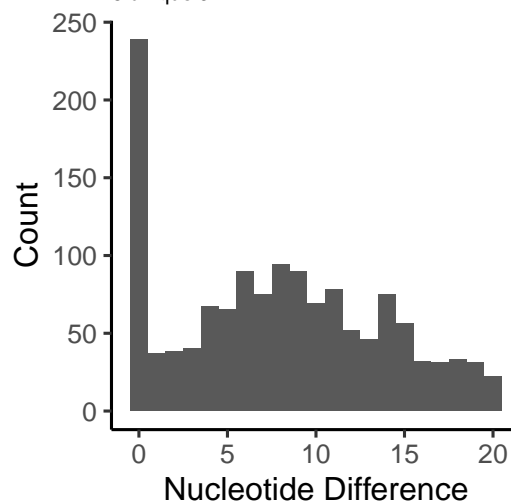
IGHV3-69-1*01

12 sequences assigned
No exact matches.



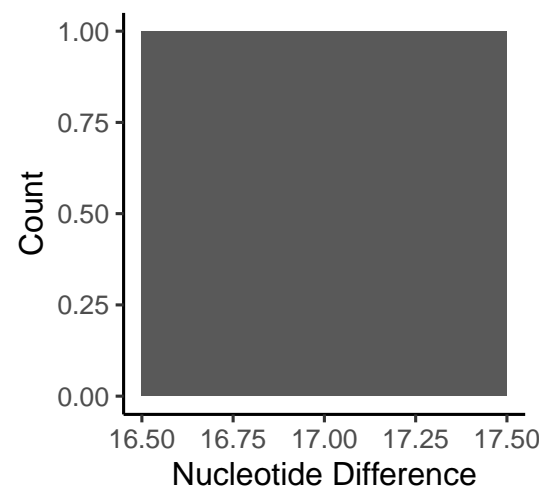
IGHV3-74*01_02

1522 sequences assigned
239 (15.7%) exact matches, in which:
225 unique CDR3
6 unique J



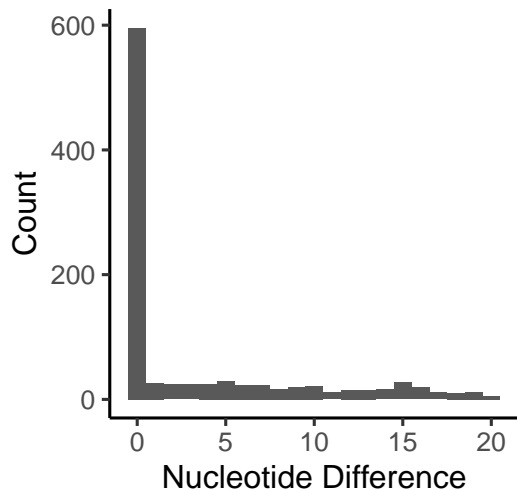
IGHV4-30-2*01

1 sequences assigned
No exact matches.



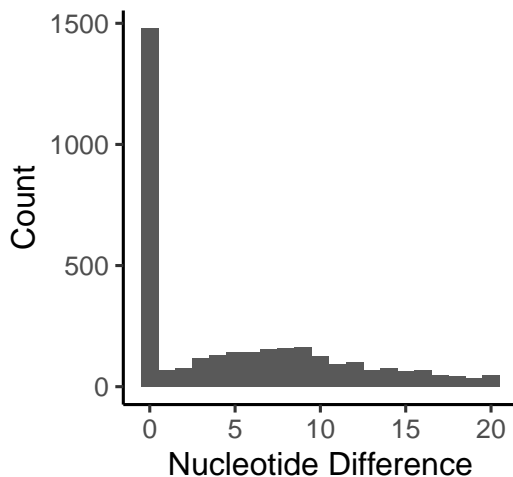
IGHV4-31*03_04

1064 sequences assigned
596 (56%) exact matches, in which:
569 unique CDR3
6 unique J



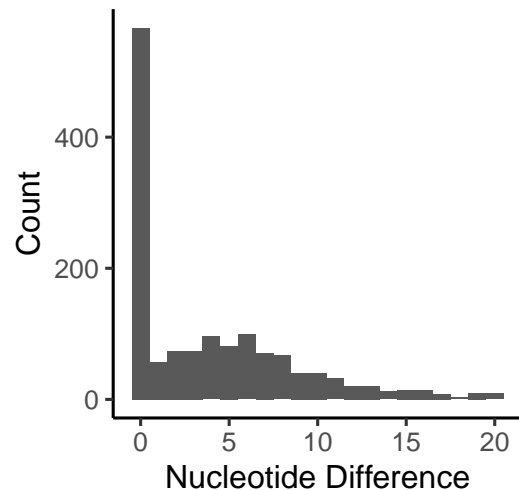
IGHV4-39*01_05

3705 sequences assigned
1479 (39.9%) exact matches, in which:
1391 unique CDR3
6 unique J



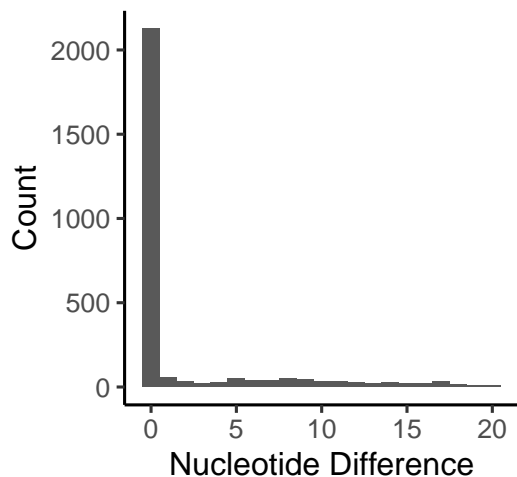
IGHV5-51*01_03

1454 sequences assigned
567 (39%) exact matches, in which:
565 unique CDR3
6 unique J



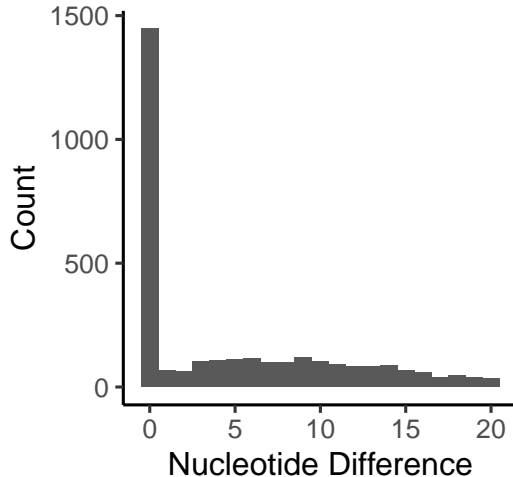
IGHV4-34*01_02

3001 sequences assigned
2126 (70.8%) exact matches, in which:
1967 unique CDR3
6 unique J



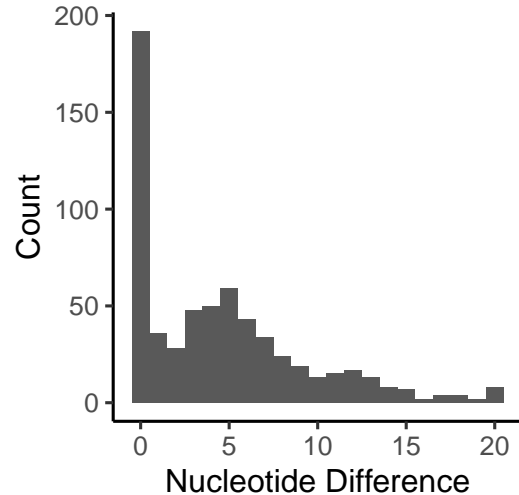
IGHV4-59*01_07

3354 sequences assigned
1447 (43.1%) exact matches, in which:
1344 unique CDR3
6 unique J



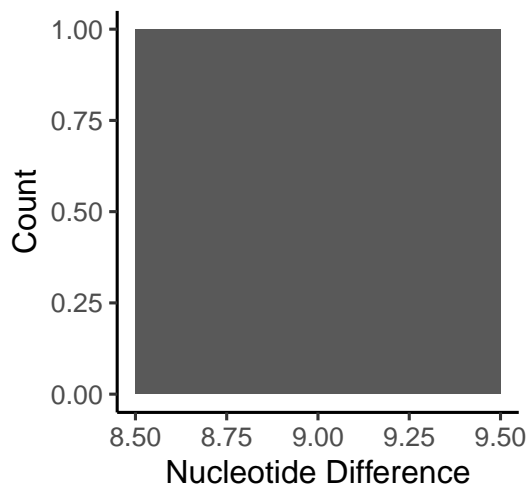
IGHV6-1*01_02

637 sequences assigned
192 (30.1%) exact matches, in which:
192 unique CDR3
6 unique J



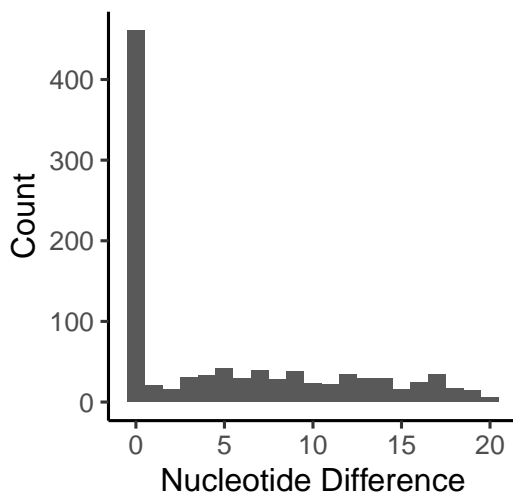
IGHV4-38-2*02

1 sequences assigned
No exact matches.



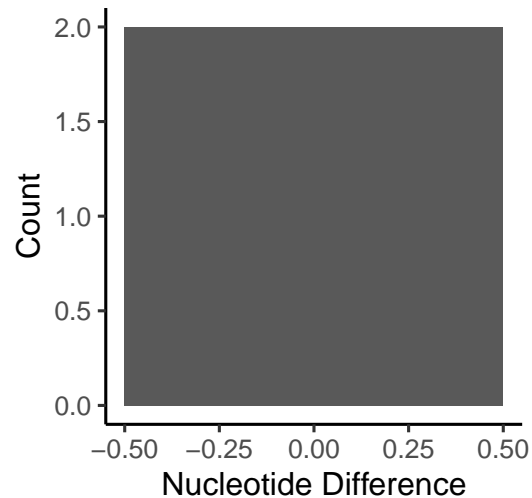
IGHV4-61*01

1086 sequences assigned
461 (42.4%) exact matches, in which:
439 unique CDR3
6 unique J



IGHV7-4-1*01

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





Warning – no inferred sequences found.

Novel sequence(s) IGHV4–39*02_C258G IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1–69*04_09_G112A IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.