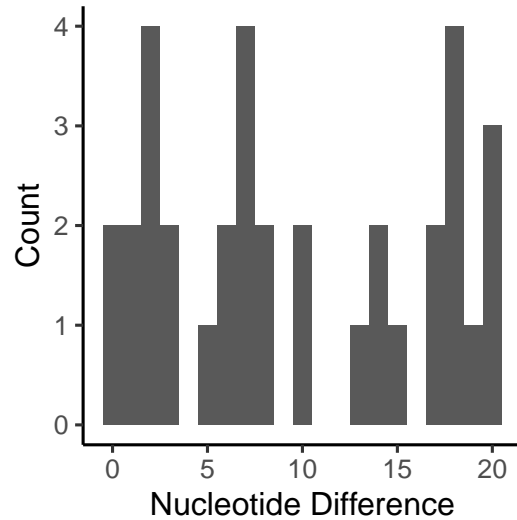


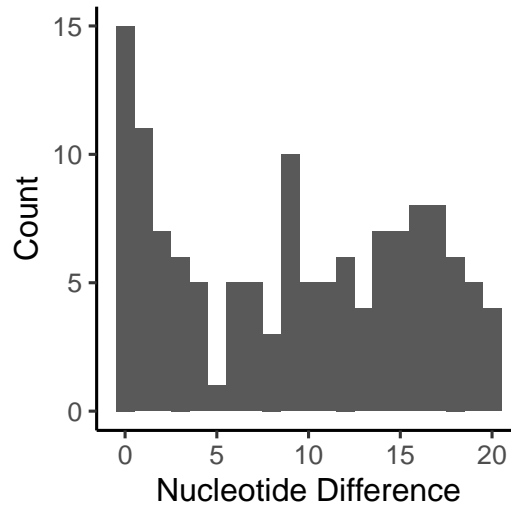
IGHV1-2*04

41 sequences assigned
2 (4.9%) exact matches, in which:
2 unique CDR3
2 unique J



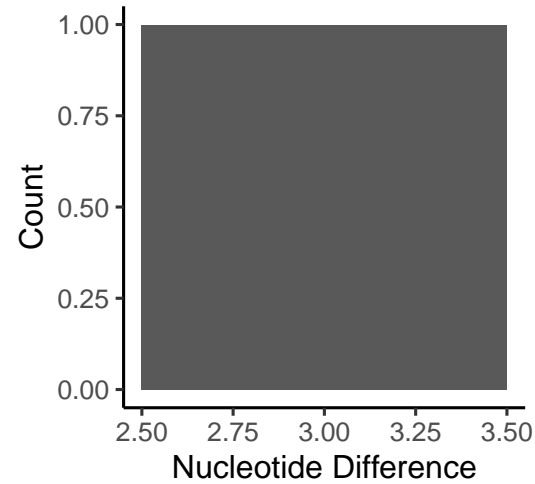
IGHV1-8*01

162 sequences assigned
15 (9.3%) exact matches, in which:
15 unique CDR3
6 unique J



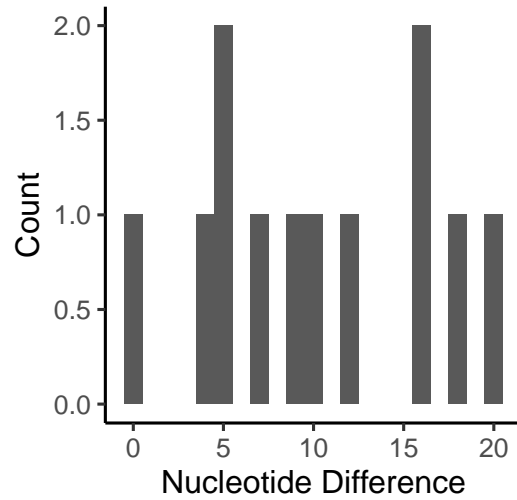
IGHV1-45*02

1 sequences assigned
No exact matches.



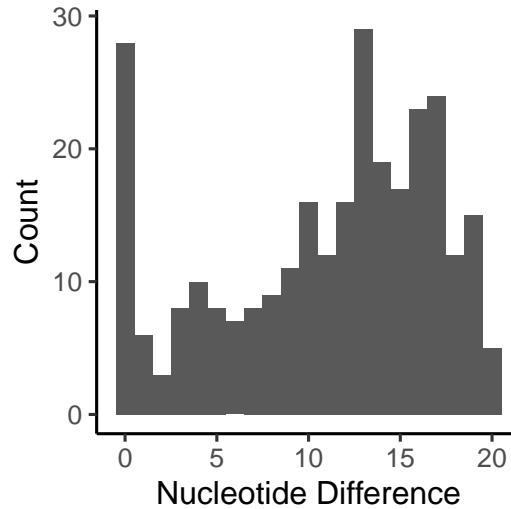
IGHV1-2*05

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



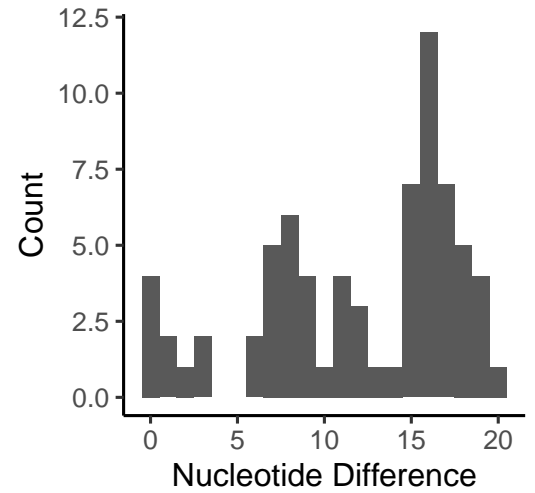
IGHV1-18*01

376 sequences assigned
28 (7.4%) exact matches, in which:
27 unique CDR3
6 unique J



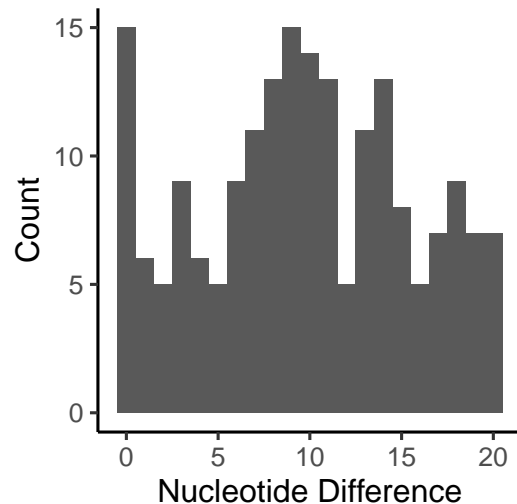
IGHV1-46*01

128 sequences assigned
4 (3.1%) exact matches, in which:
4 unique CDR3
3 unique J



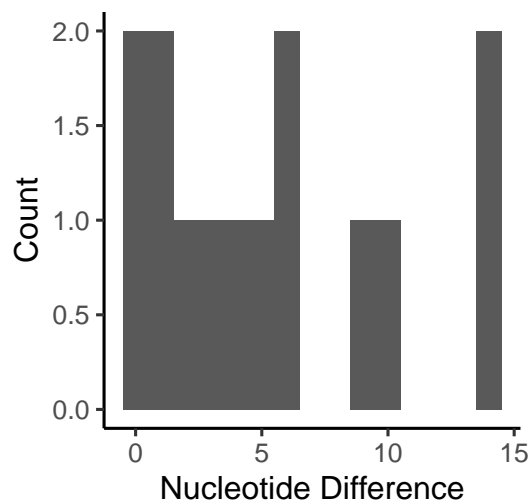
IGHV1-3*01

266 sequences assigned
15 (5.6%) exact matches, in which:
13 unique CDR3
5 unique J



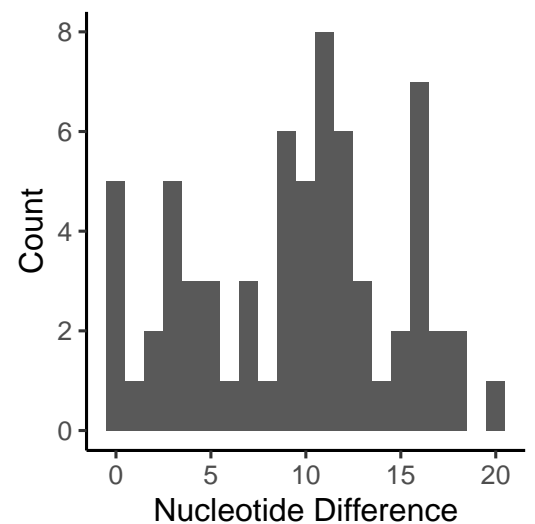
IGHV1-24*01

23 sequences assigned
2 (8.7%) exact matches, in which:
2 unique CDR3
2 unique J



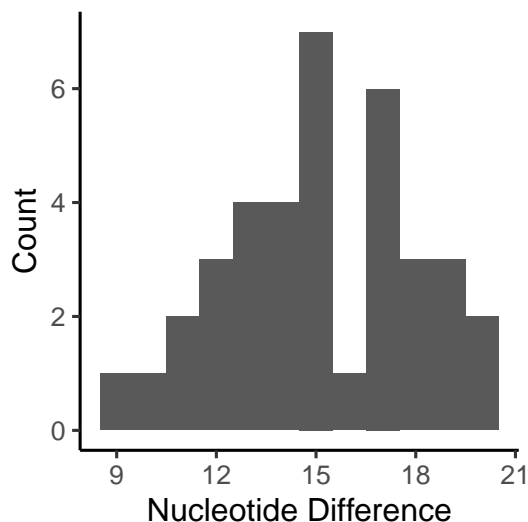
IGHV1-46*04

89 sequences assigned
5 (5.6%) exact matches, in which:
4 unique CDR3
3 unique J



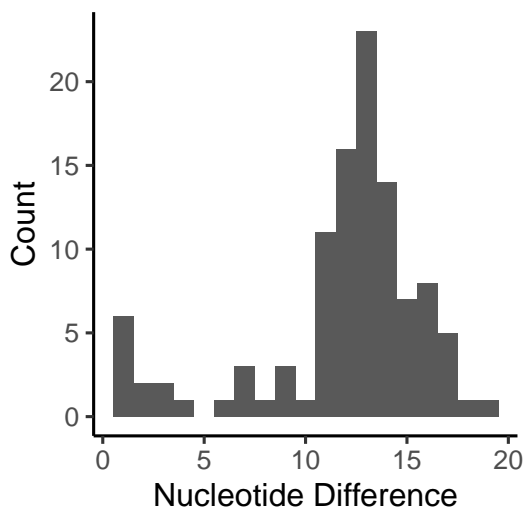
IGHV1–58*01

48 sequences assigned
No exact matches.



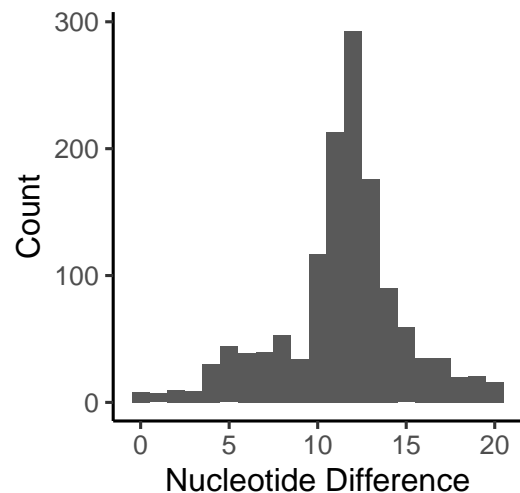
IGHV1–69*08

134 sequences assigned
No exact matches.



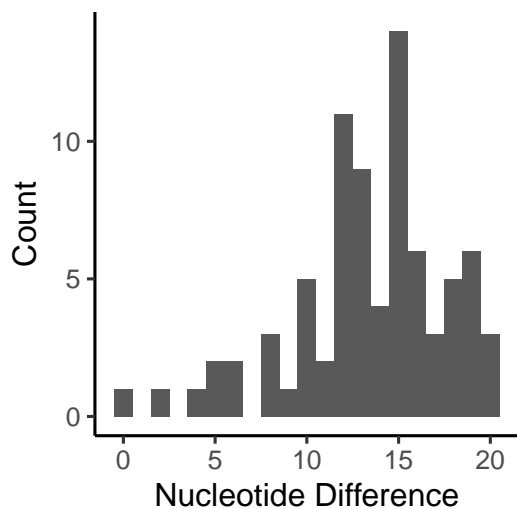
IGHV3–7*01

1473 sequences assigned
8 (0.5%) exact matches, in which:
8 unique CDR3
5 unique J



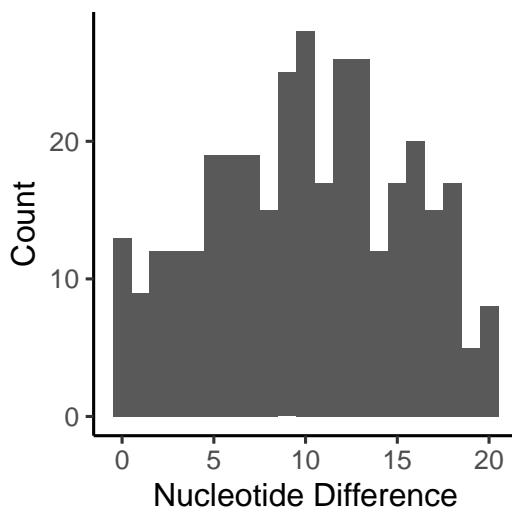
IGHV1–58*02

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



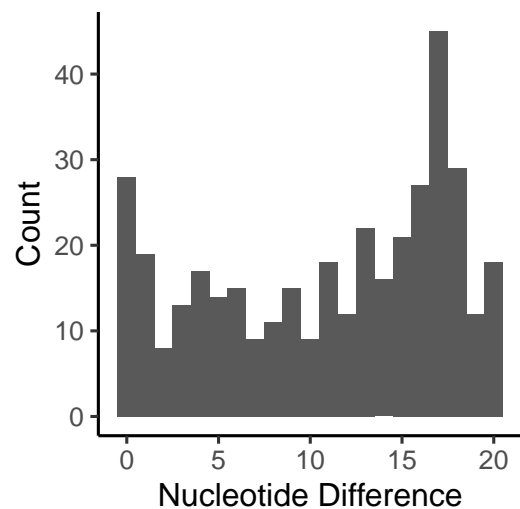
IGHV2–5*02

375 sequences assigned
13 (3.5%) exact matches, in which:
12 unique CDR3
3 unique J



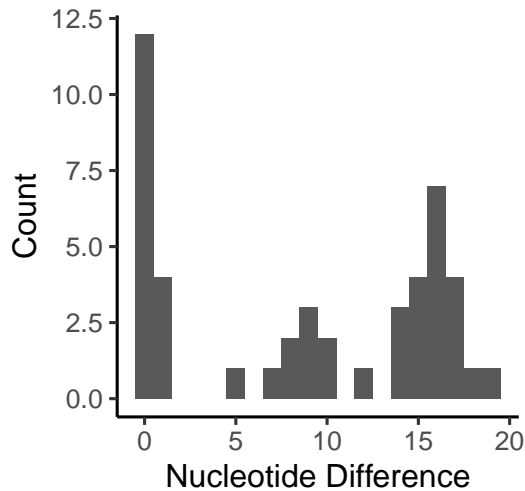
IGHV3–9*01

586 sequences assigned
28 (4.8%) exact matches, in which:
27 unique CDR3
4 unique J



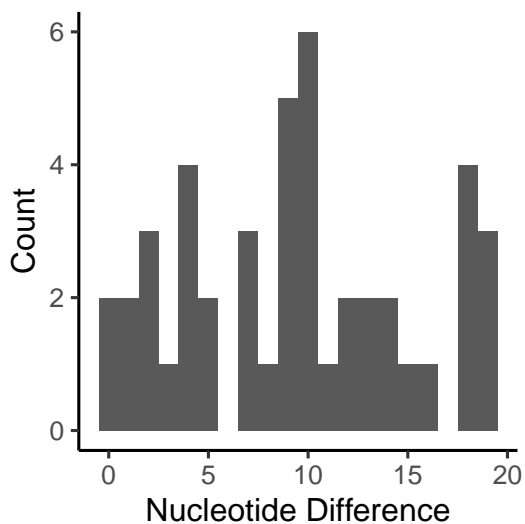
IGHV1–69*02

79 sequences assigned
12 (15.2%) exact matches, in which:
11 unique CDR3
4 unique J



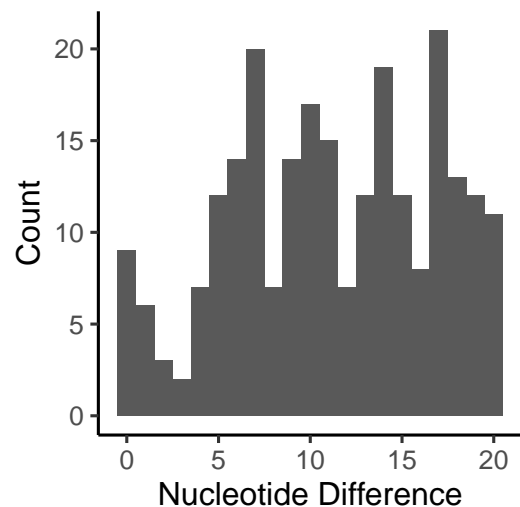
IGHV2–26*01

55 sequences assigned
2 (3.6%) exact matches, in which:
2 unique CDR3
1 unique J



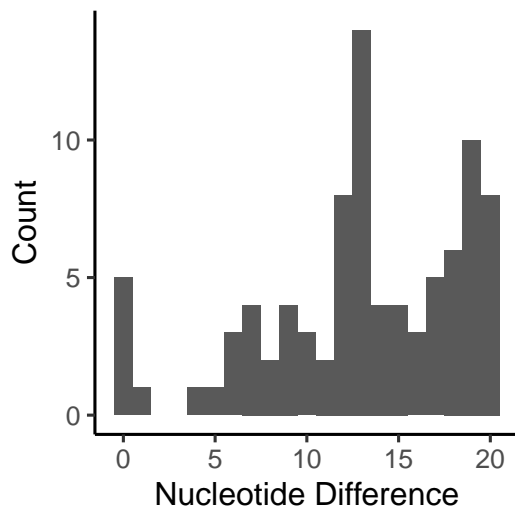
IGHV3–11*01

336 sequences assigned
9 (2.7%) exact matches, in which:
9 unique CDR3
3 unique J



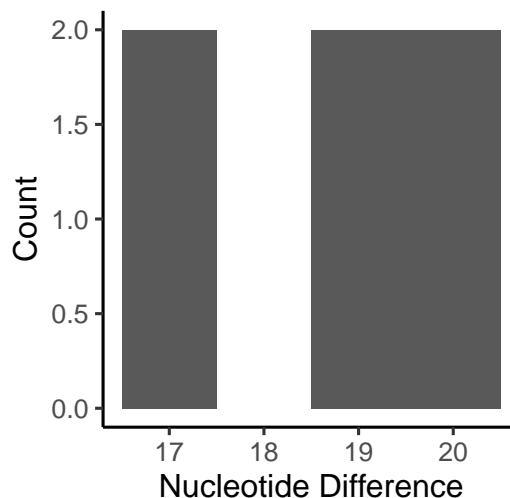
IGHV3-13*01

147 sequences assigned
5 (3.4%) exact matches, in which:
5 unique CDR3
3 unique J



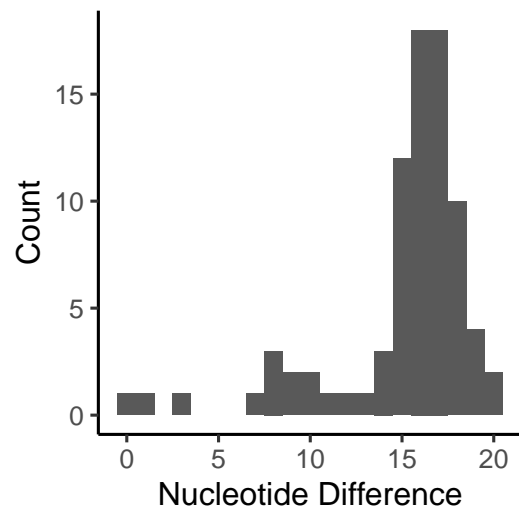
IGHV3-20*04

12 sequences assigned
No exact matches.



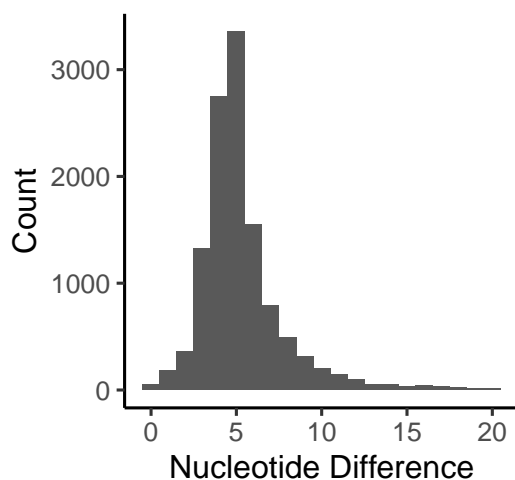
IGHV3-30*03

157 sequences assigned
1 (0.6%) exact matches, in which:
1 unique CDR3
1 unique J



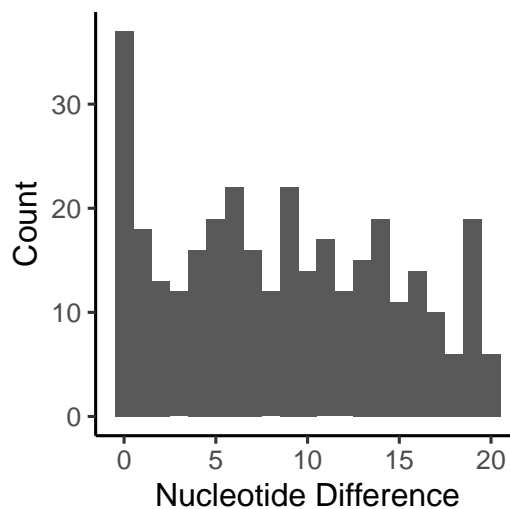
IGHV3-15*01

12381 sequences assigned
53 (0.4%) exact matches, in which:
20 unique CDR3
5 unique J



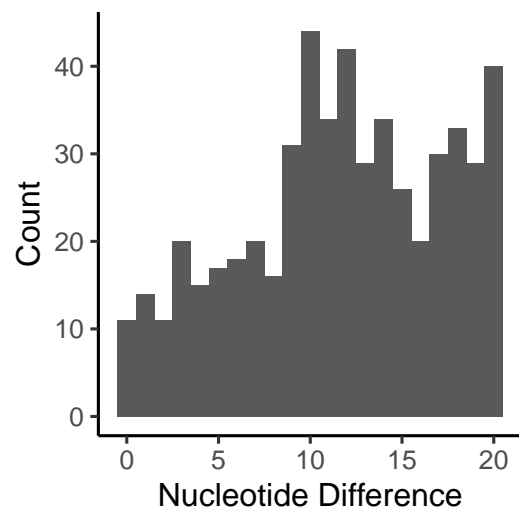
IGHV3-21*01

597 sequences assigned
37 (6.2%) exact matches, in which:
35 unique CDR3
5 unique J



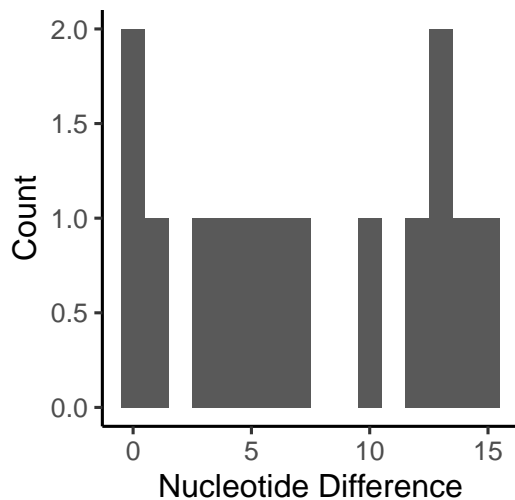
IGHV3-33*01

1007 sequences assigned
11 (1.1%) exact matches, in which:
10 unique CDR3
4 unique J



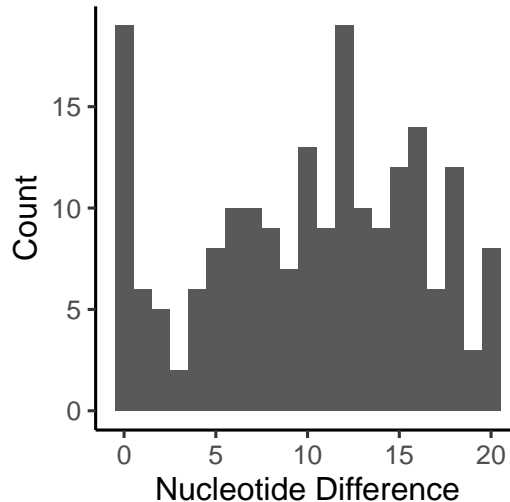
IGHV3-20*01

14 sequences assigned
2 (14.3%) exact matches, in which:
2 unique CDR3
2 unique J



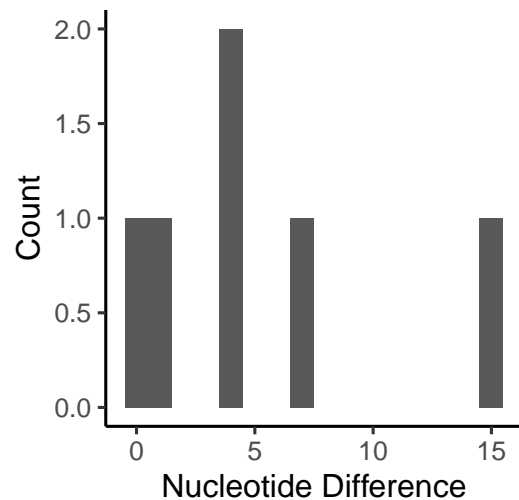
IGHV3-30-3*01

310 sequences assigned
19 (6.1%) exact matches, in which:
19 unique CDR3
5 unique J



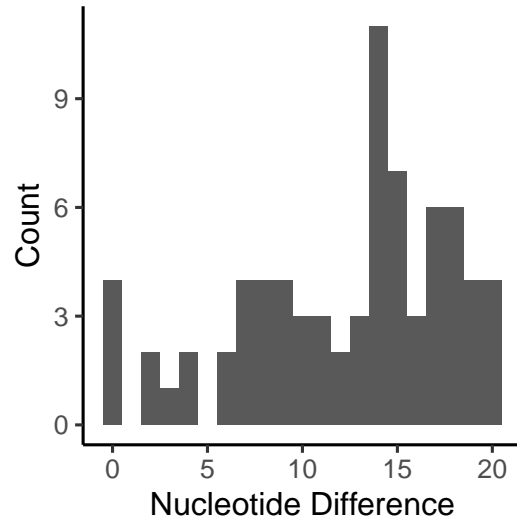
IGHV3-43*01

12 sequences assigned
1 (8.3%) exact matches, in which:
1 unique CDR3
1 unique J



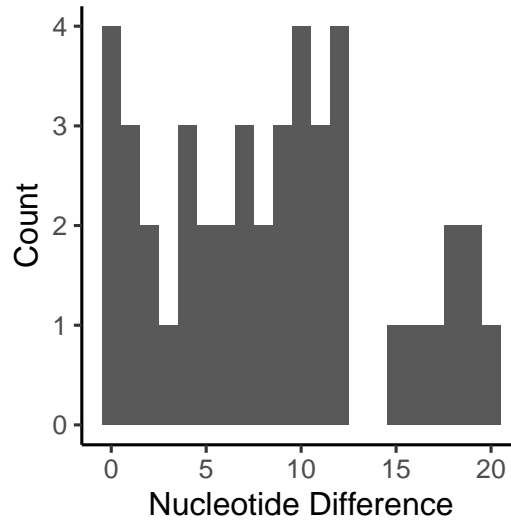
IGHV3-43*02

154 sequences assigned
4 (2.6%) exact matches, in which:
4 unique CDR3
2 unique J



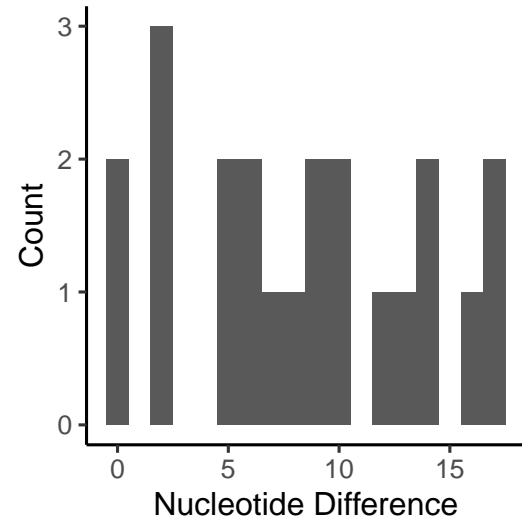
IGHV3-49*03

51 sequences assigned
4 (7.8%) exact matches, in which:
4 unique CDR3
2 unique J



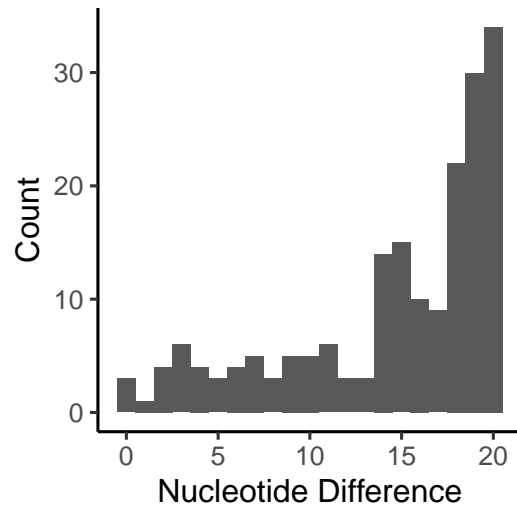
IGHV3-53*04

28 sequences assigned
2 (7.1%) exact matches, in which:
2 unique CDR3
2 unique J



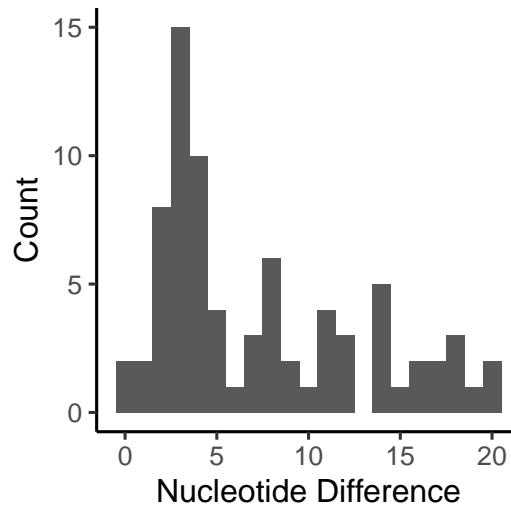
IGHV3-48*01

829 sequences assigned
3 (0.4%) exact matches, in which:
3 unique CDR3
1 unique J



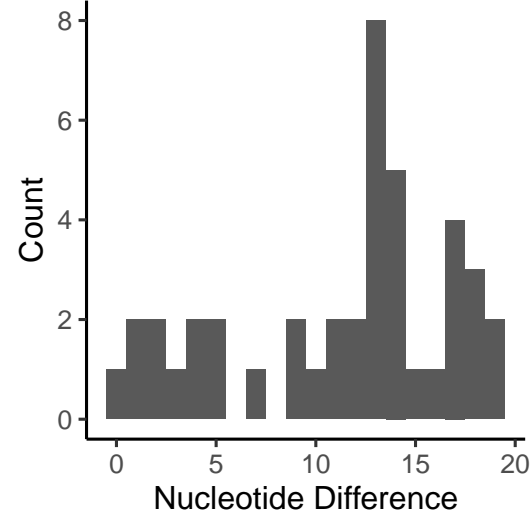
IGHV3-49*04

130 sequences assigned
2 (1.5%) exact matches, in which:
2 unique CDR3
2 unique J



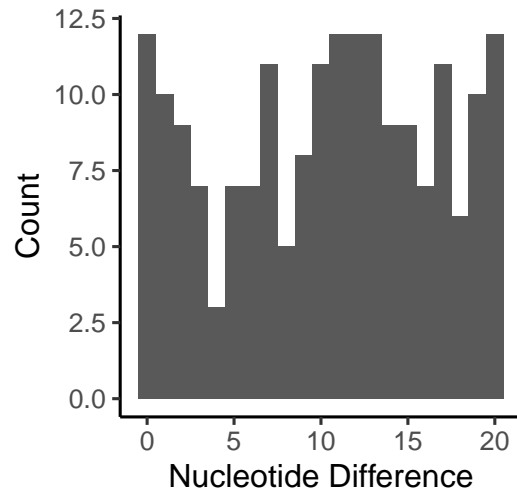
IGHV3-64*01

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



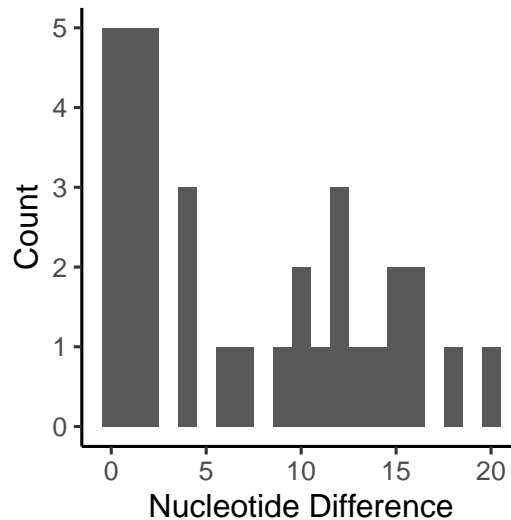
IGHV3-48*03

243 sequences assigned
12 (4.9%) exact matches, in which:
12 unique CDR3
4 unique J



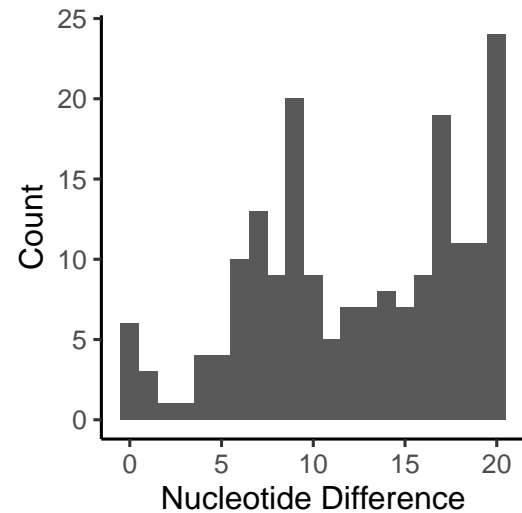
IGHV3-53*02

44 sequences assigned
5 (11.4%) exact matches, in which:
4 unique CDR3
2 unique J



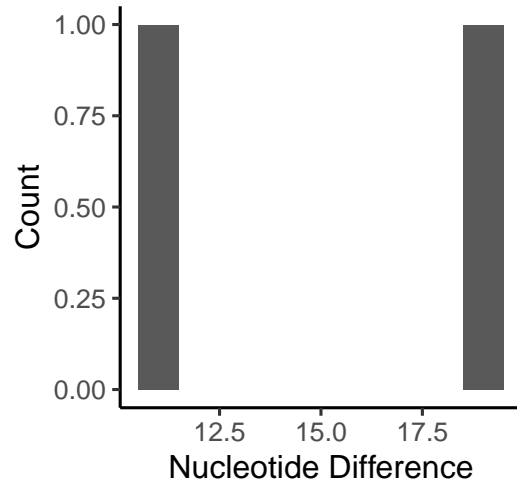
IGHV3-66*02

230 sequences assigned
6 (2.6%) exact matches, in which:
6 unique CDR3
4 unique J



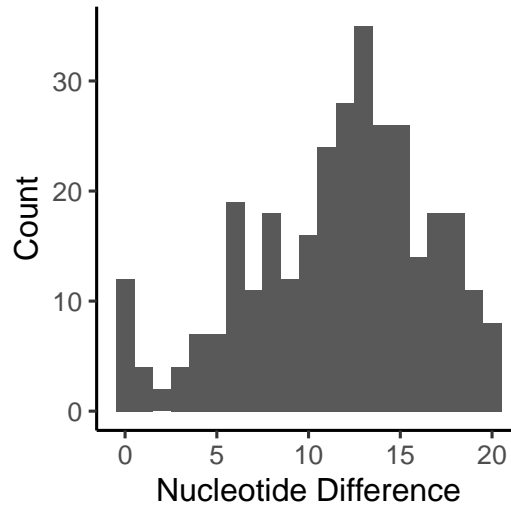
IGHV3-69-1*01

2 sequences assigned
No exact matches.



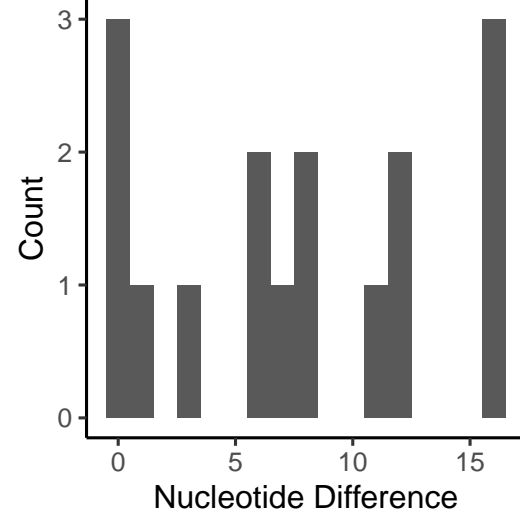
IGHV3-74*01

485 sequences assigned
12 (2.5%) exact matches, in which:
11 unique CDR3
4 unique J



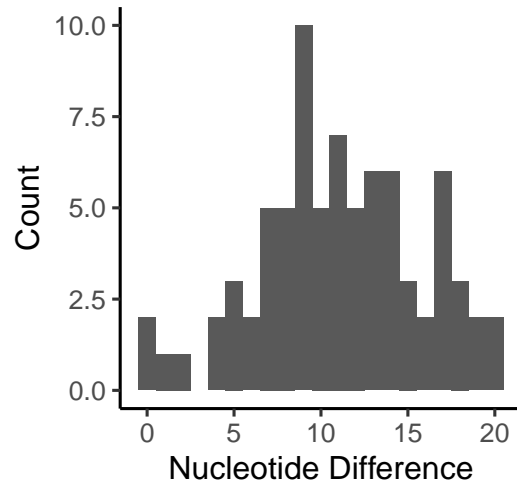
IGHV4-30-2*01

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



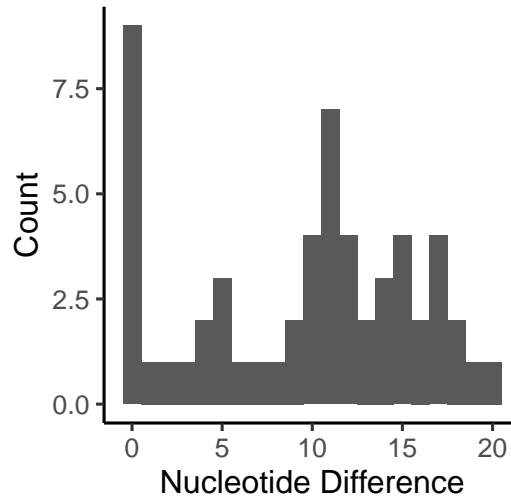
IGHV3-72*01

95 sequences assigned
2 (2.1%) exact matches, in which:
2 unique CDR3
2 unique J



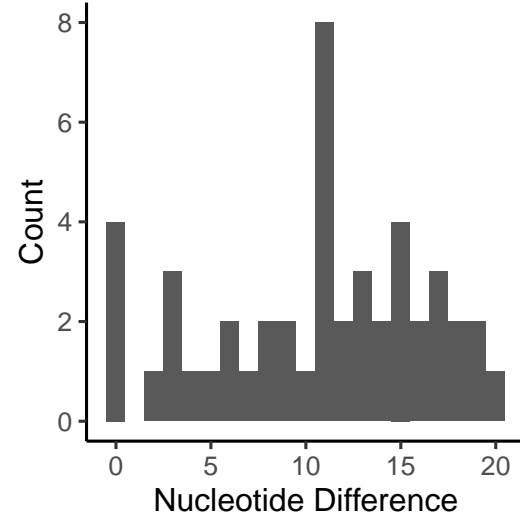
IGHV4-4*02

132 sequences assigned
9 (6.8%) exact matches, in which:
9 unique CDR3
3 unique J



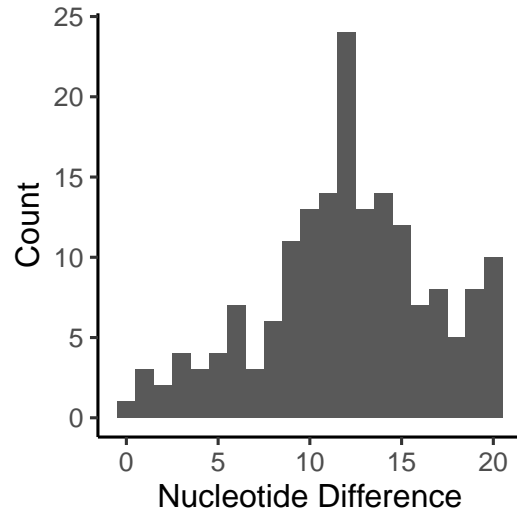
IGHV4-30-4*01

102 sequences assigned
4 (3.9%) exact matches, in which:
4 unique CDR3
2 unique J



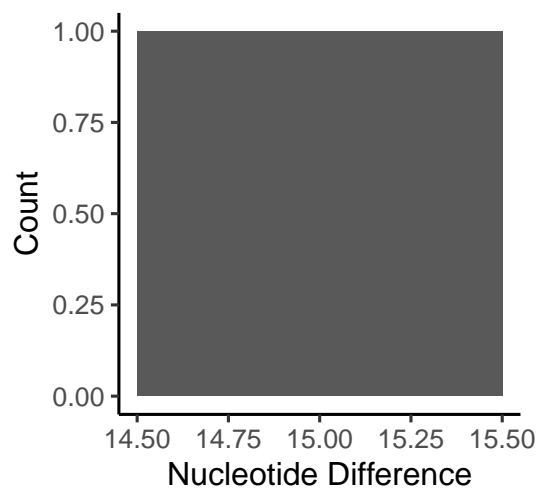
IGHV3-73*01

237 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



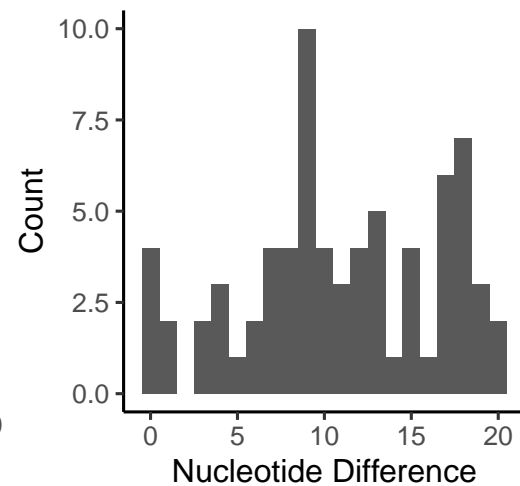
IGHV4-28*05

1 sequences assigned
No exact matches.



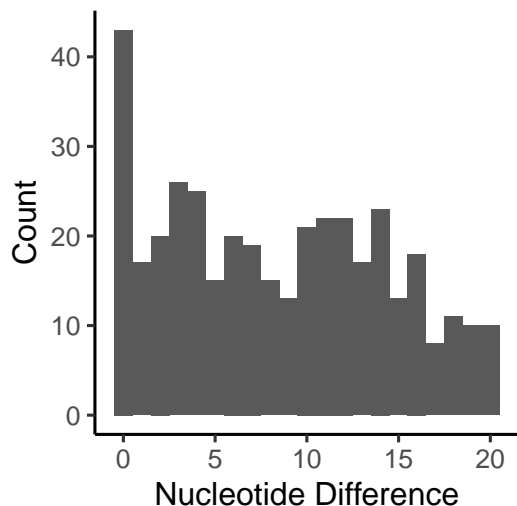
IGHV4-31*03

124 sequences assigned
4 (3.2%) exact matches, in which:
4 unique CDR3
3 unique J



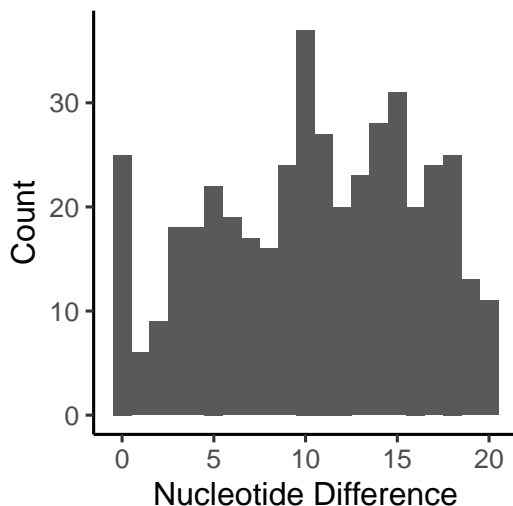
IGHV4-34*01

569 sequences assigned
43 (7.6%) exact matches, in which:
42 unique CDR3
5 unique J



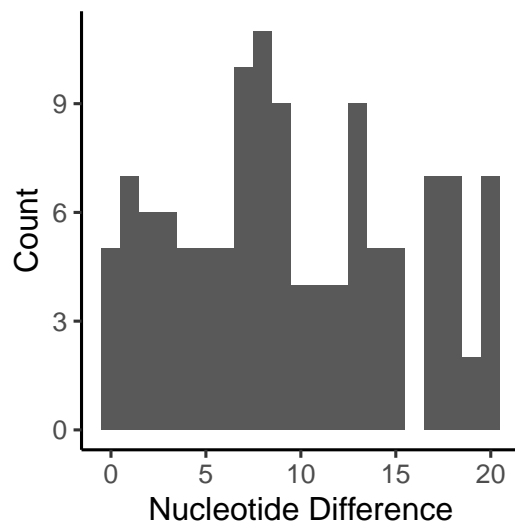
IGHV4-61*02

738 sequences assigned
25 (3.4%) exact matches, in which:
25 unique CDR3
6 unique J



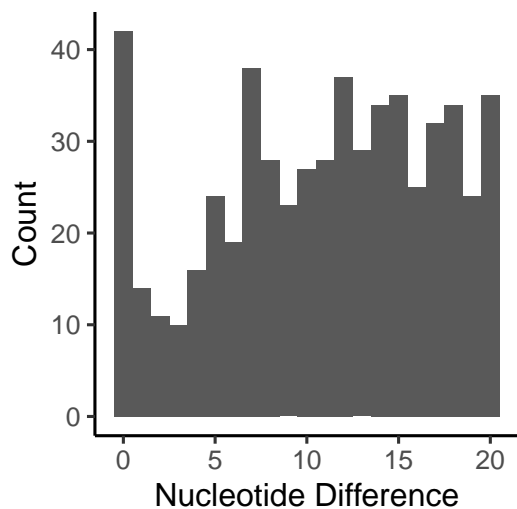
IGHV7-4-1*02

150 sequences assigned
5 (3.3%) exact matches, in which:
5 unique CDR3
3 unique J



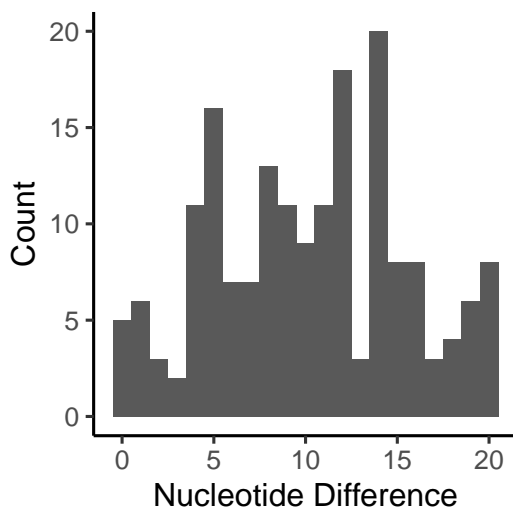
IGHV4-39*01

881 sequences assigned
42 (4.8%) exact matches, in which:
42 unique CDR3
6 unique J



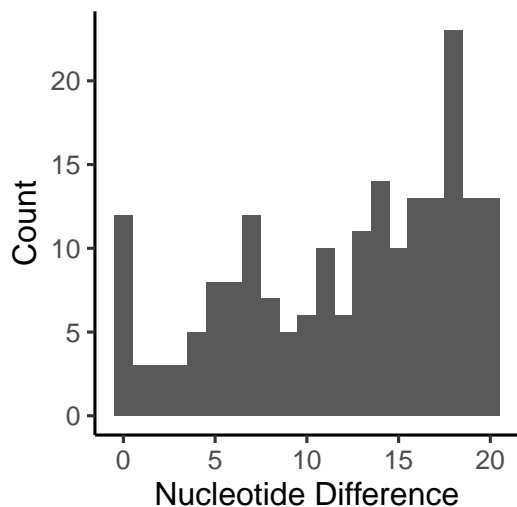
IGHV5-51*01

269 sequences assigned
5 (1.9%) exact matches, in which:
5 unique CDR3
3 unique J



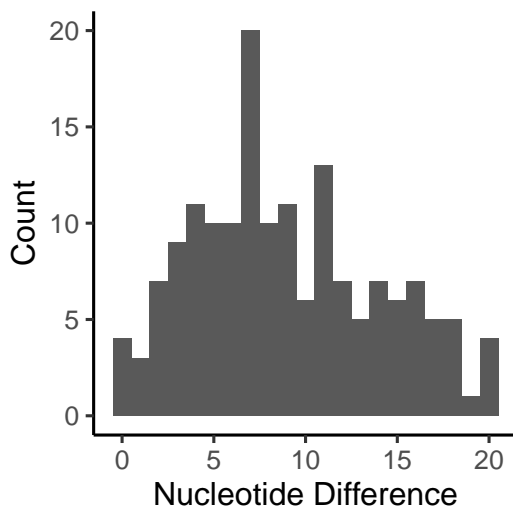
IGHV4-59*01

261 sequences assigned
12 (4.6%) exact matches, in which:
12 unique CDR3
5 unique J

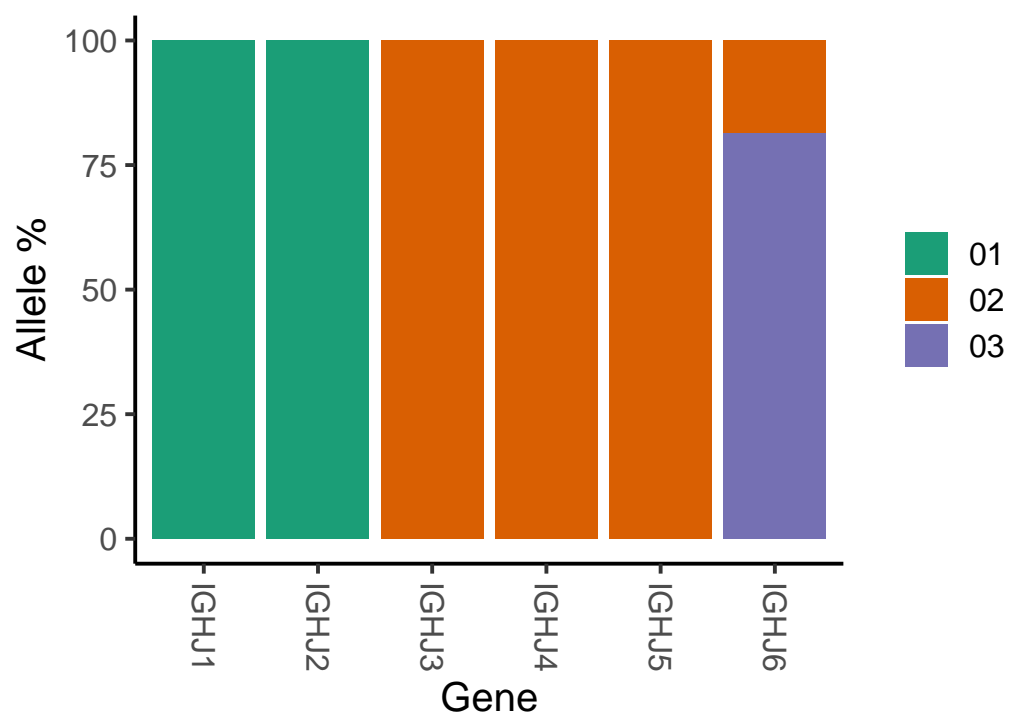


IGHV6-1*01

169 sequences assigned
4 (2.4%) exact matches, in which:
4 unique CDR3
1 unique J



Allele Usage



Warning – no inferred sequences found.

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