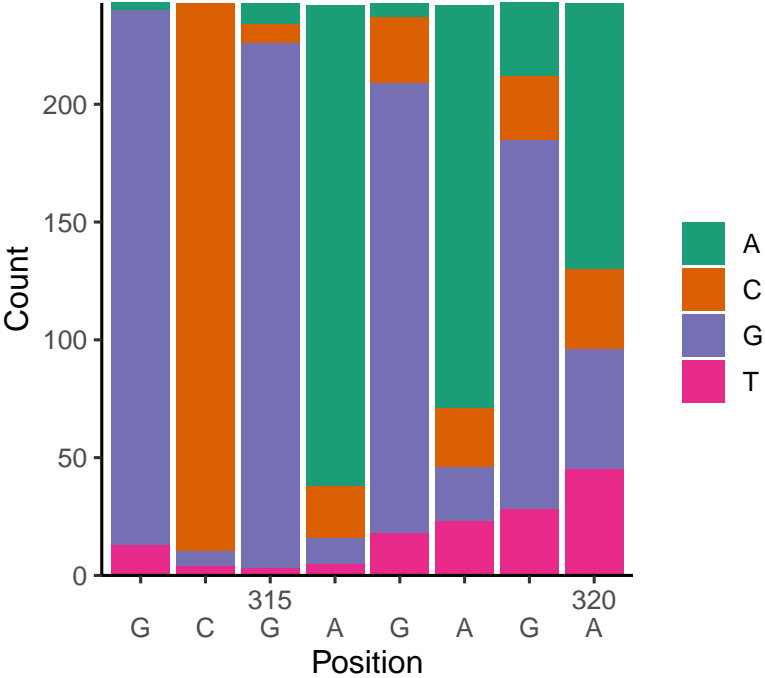
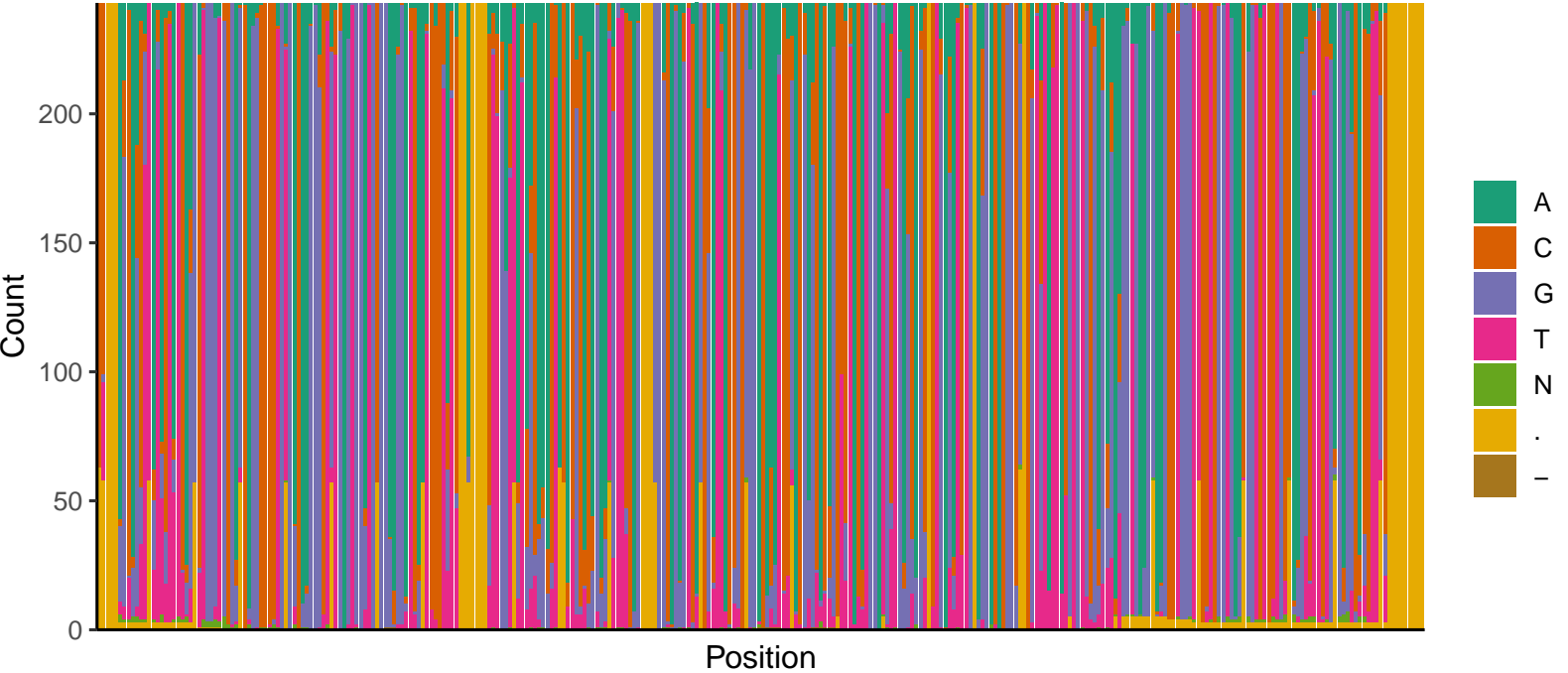


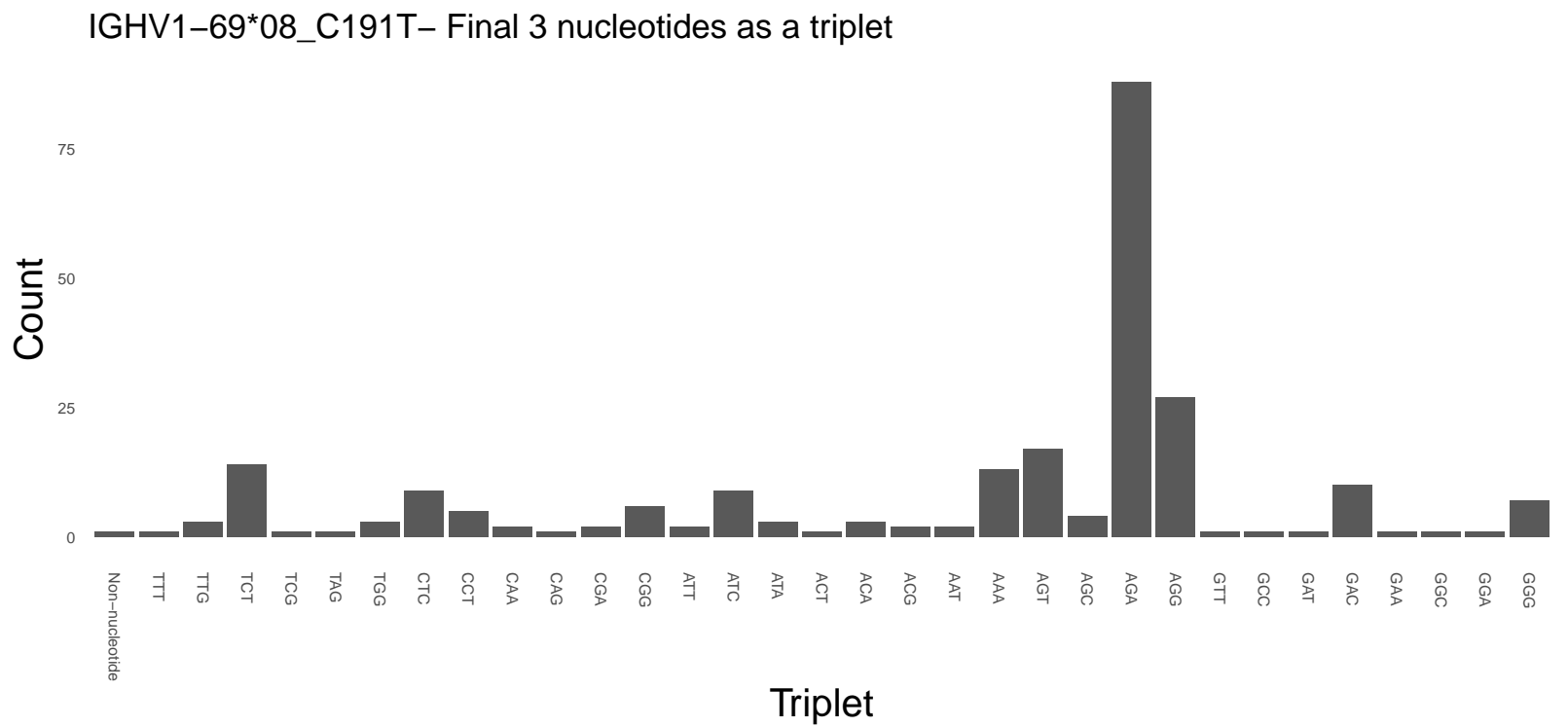
Gene IGHV1-69*08_C191T



Gene IGHV1-69*08_C191T

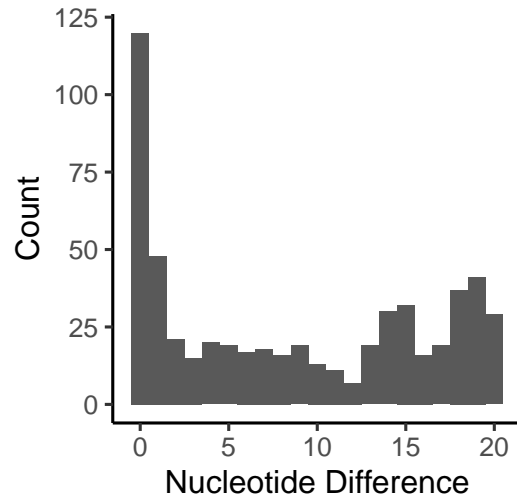


IGHV1-69*08_C191T- Final 3 nucleotides as a triplet



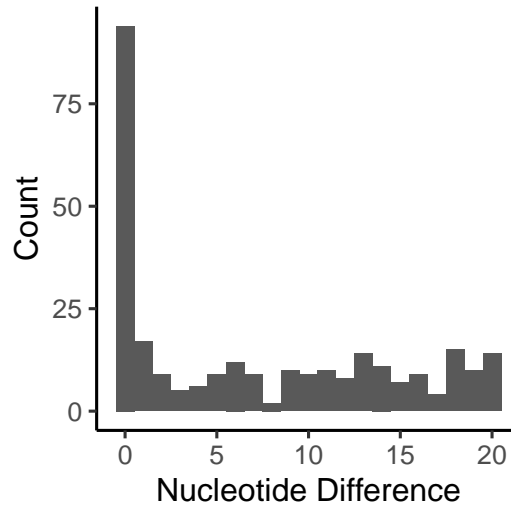
IGHV1-2*02

1010 sequences assigned
120 (11.9%) exact matches, in which:
116 unique CDR3
7 unique J



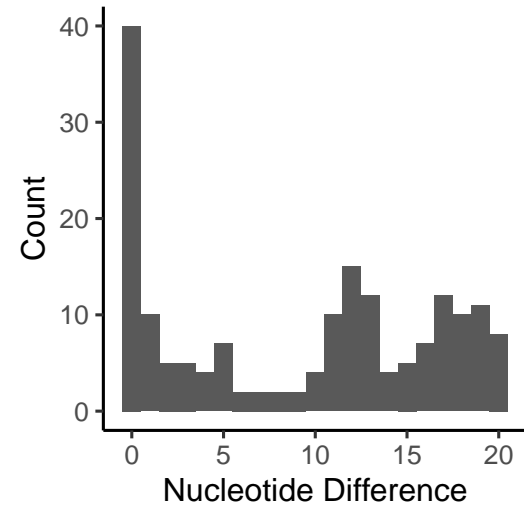
IGHV1-18*01

621 sequences assigned
94 (15.1%) exact matches, in which:
94 unique CDR3
6 unique J



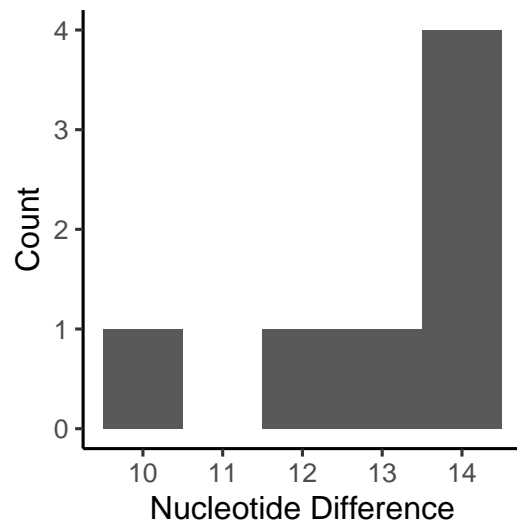
IGHV1-46*03

376 sequences assigned
40 (10.6%) exact matches, in which:
38 unique CDR3
6 unique J



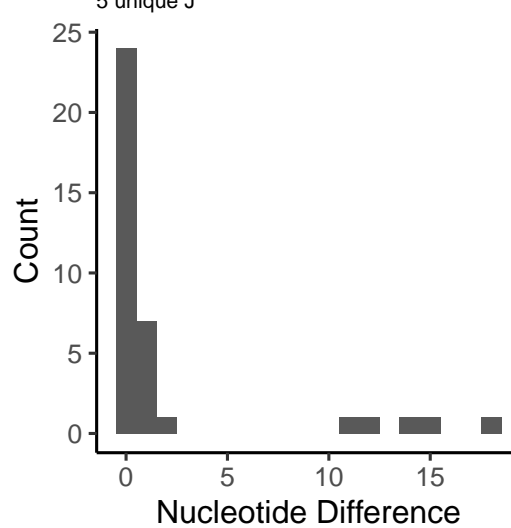
IGHV1-3*02

10 sequences assigned
No exact matches.



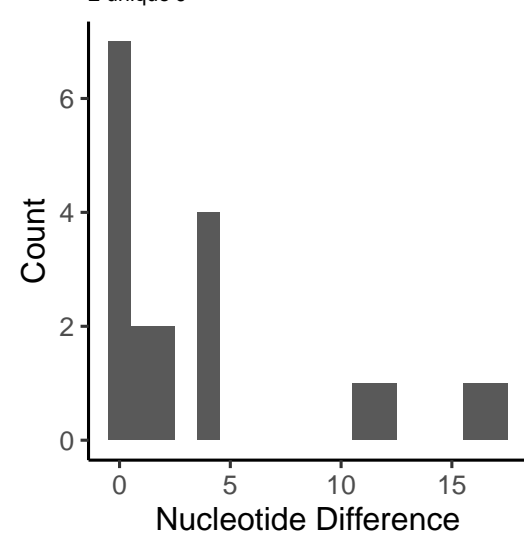
IGHV1-24*01

67 sequences assigned
24 (35.8%) exact matches, in which:
24 unique CDR3
5 unique J



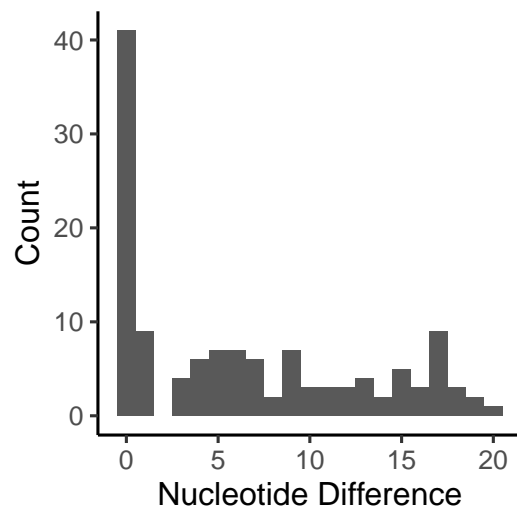
IGHV1-58*02

36 sequences assigned
7 (19.4%) exact matches, in which:
7 unique CDR3
2 unique J



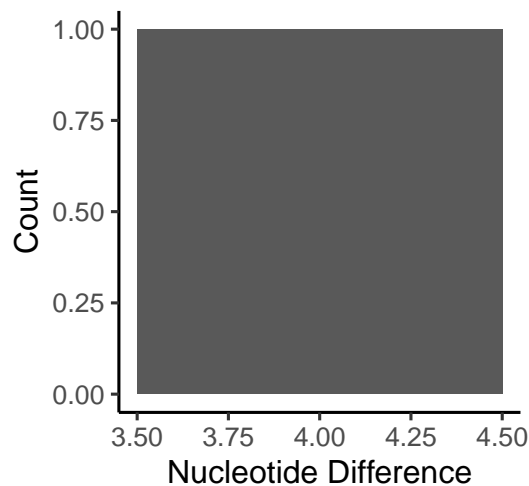
IGHV1-8*01

217 sequences assigned
41 (18.9%) exact matches, in which:
40 unique CDR3
7 unique J



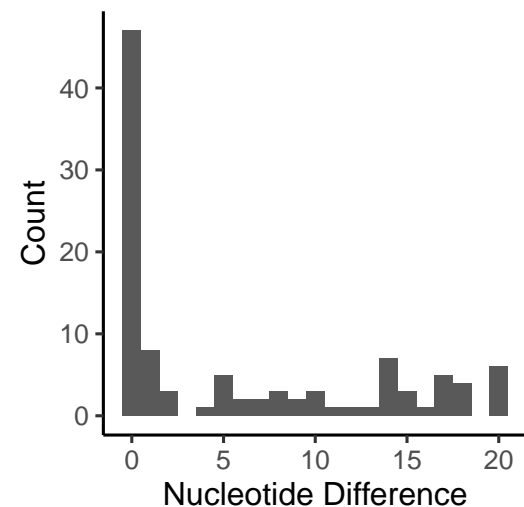
IGHV1-45*02

17 sequences assigned
No exact matches.



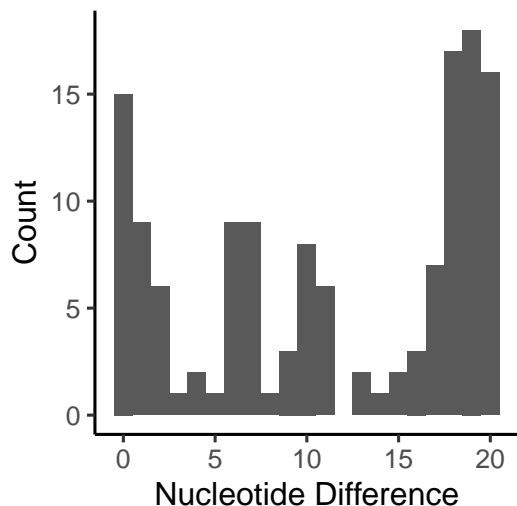
IGHV1-69*08_C191T

243 sequences assigned
47 (19.3%) exact matches, in which:
46 unique CDR3
6 unique J



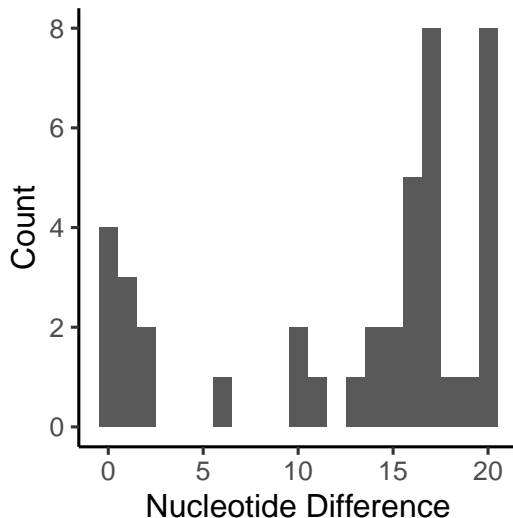
IGHV2-5*01

231 sequences assigned
15 (6.5%) exact matches, in which:
15 unique CDR3
4 unique J



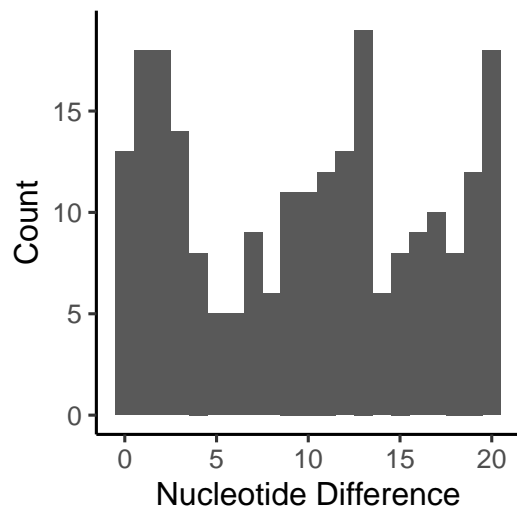
IGHV2-70*01

70 sequences assigned
4 (5.7%) exact matches, in which:
4 unique CDR3
3 unique J



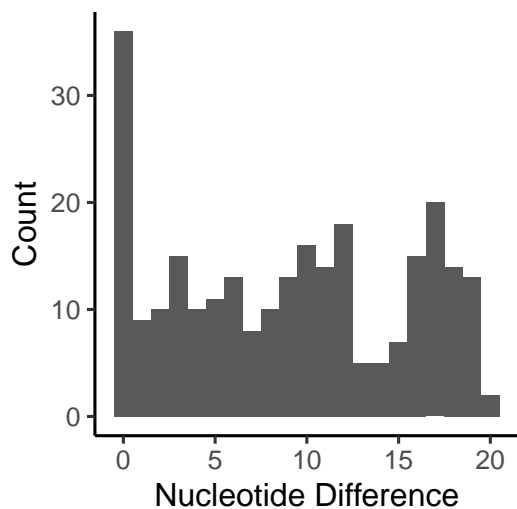
IGHV3-7*01

527 sequences assigned
13 (2.5%) exact matches, in which:
11 unique CDR3
4 unique J



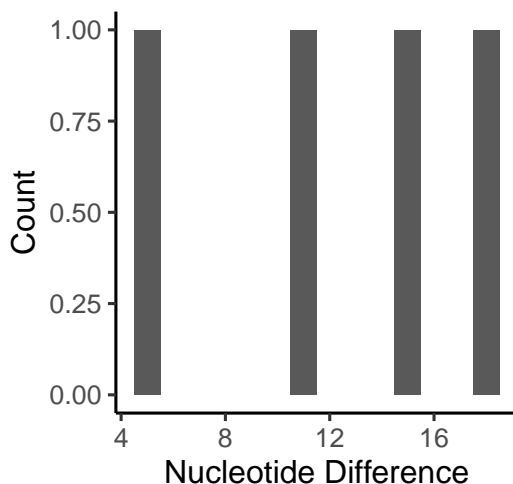
IGHV2-5*02

507 sequences assigned
36 (7.1%) exact matches, in which:
36 unique CDR3
5 unique J



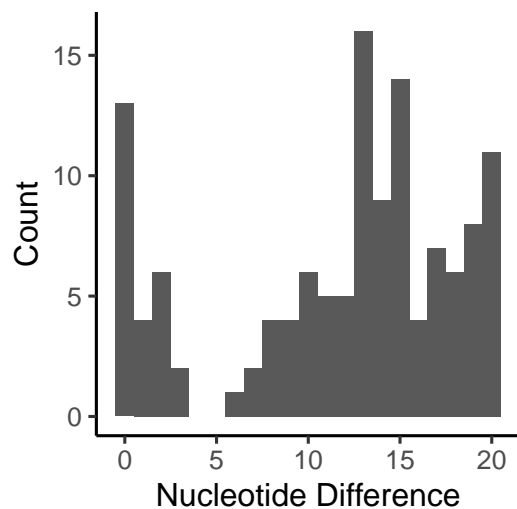
IGHV2-70*20

4 sequences assigned
No exact matches.



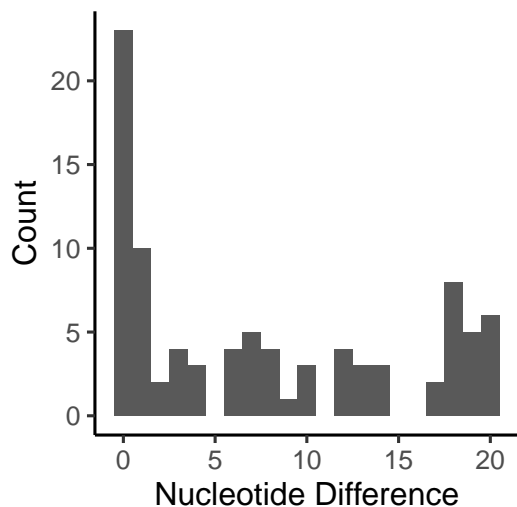
IGHV3-7*04

221 sequences assigned
13 (5.9%) exact matches, in which:
11 unique CDR3
3 unique J



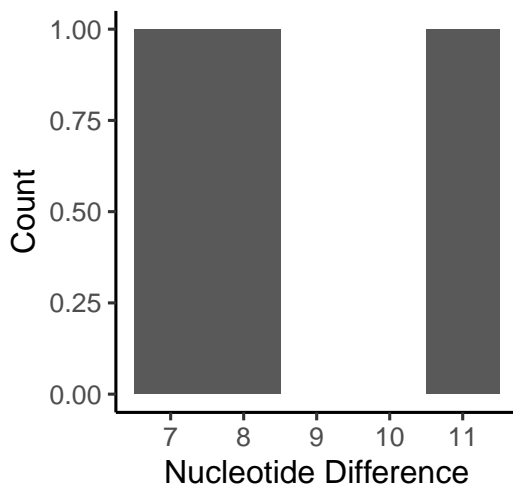
IGHV2-26*01

138 sequences assigned
23 (16.7%) exact matches, in which:
23 unique CDR3
6 unique J



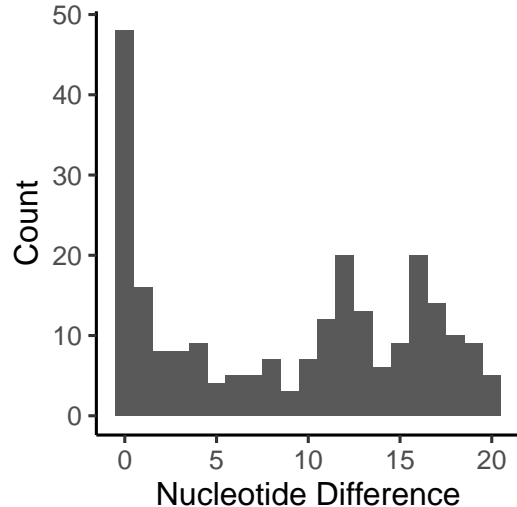
IGHV2-70D*04

3 sequences assigned
No exact matches.



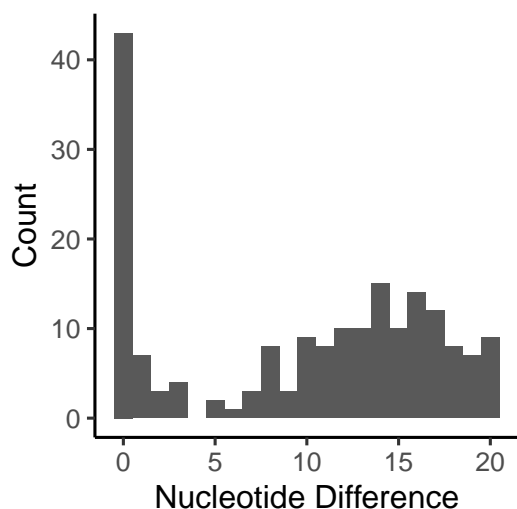
IGHV3-9*01

644 sequences assigned
48 (7.5%) exact matches, in which:
47 unique CDR3
5 unique J



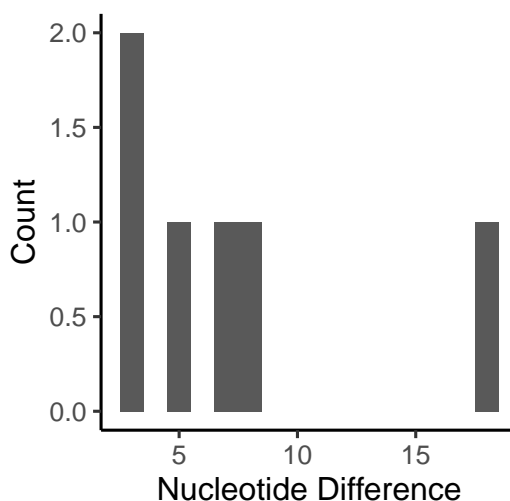
IGHV3-11*01

500 sequences assigned
43 (8.6%) exact matches, in which:
41 unique CDR3
5 unique J



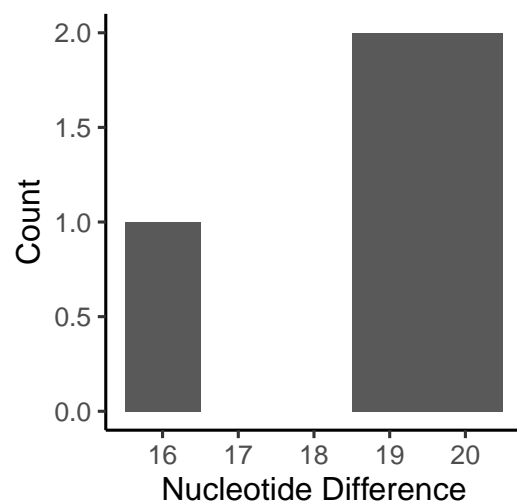
IGHV3-13*05

7 sequences assigned
No exact matches.



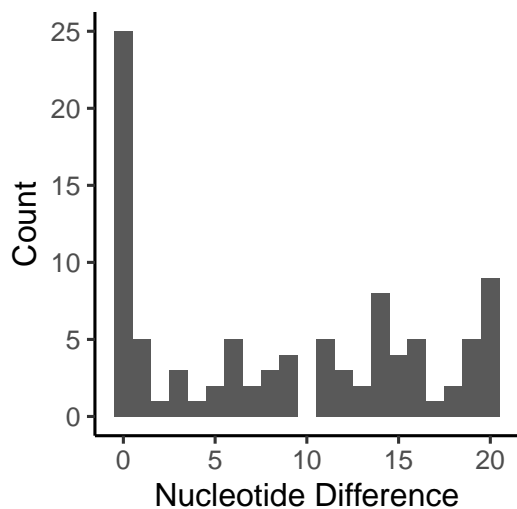
IGHV3-20*04

90 sequences assigned
No exact matches.



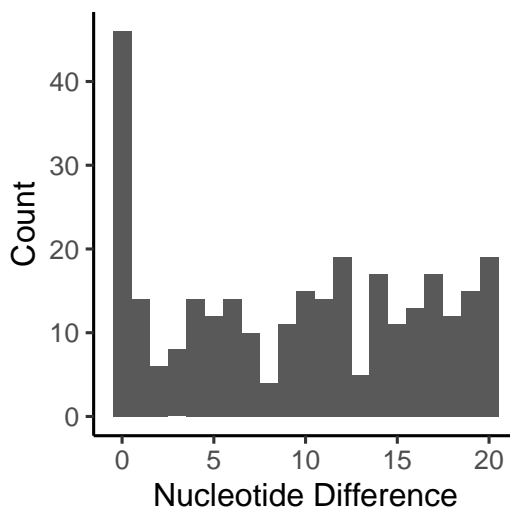
IGHV3-11*06

199 sequences assigned
25 (12.6%) exact matches, in which:
24 unique CDR3
4 unique J



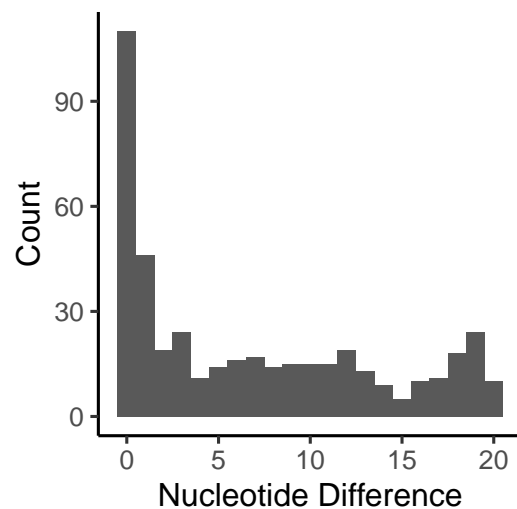
IGHV3-15*01

650 sequences assigned
46 (7.1%) exact matches, in which:
46 unique CDR3
6 unique J



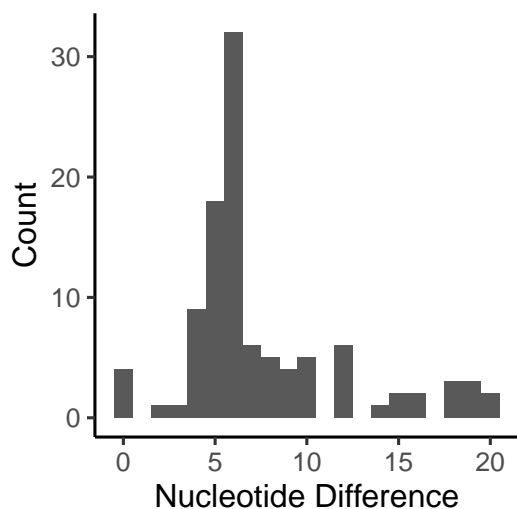
IGHV3-21*01

856 sequences assigned
110 (12.9%) exact matches, in which:
107 unique CDR3
5 unique J



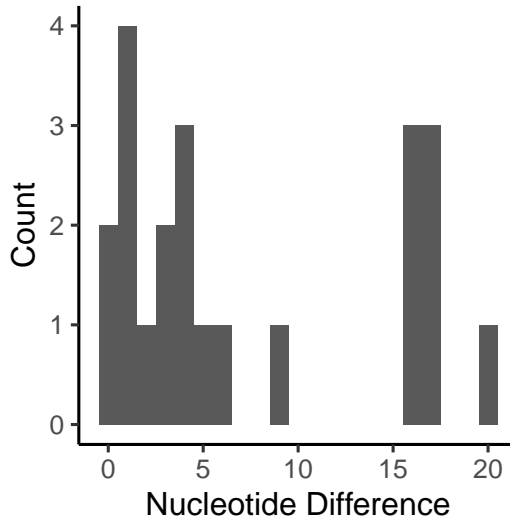
IGHV3-13*01

121 sequences assigned
4 (3.3%) exact matches, in which:
4 unique CDR3
3 unique J



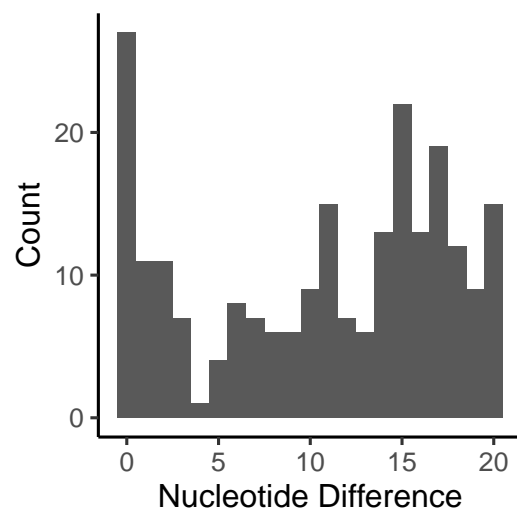
IGHV3-20*01

24 sequences assigned
2 (8.3%) exact matches, in which:
2 unique CDR3
2 unique J



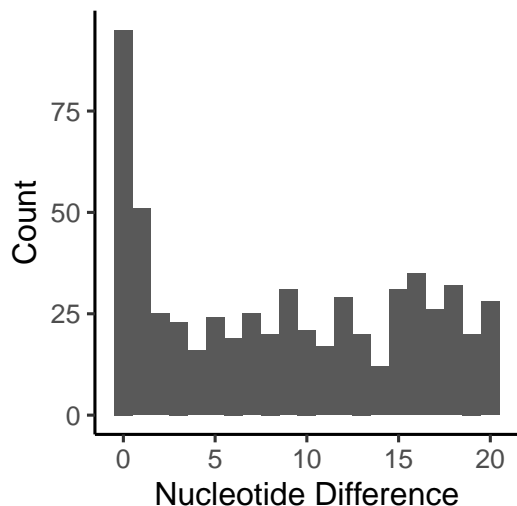
IGHV3-30-3*01

589 sequences assigned
27 (4.6%) exact matches, in which:
26 unique CDR3
5 unique J



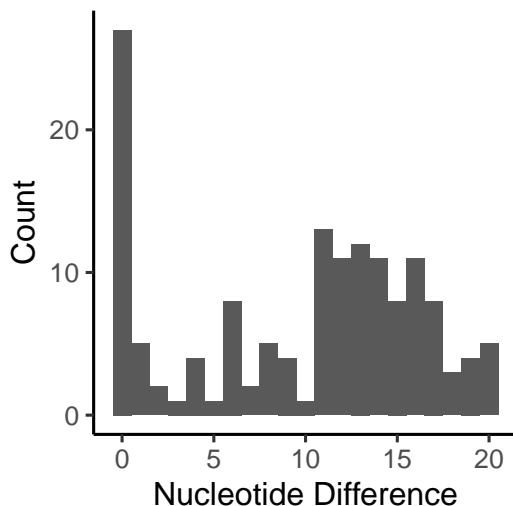
IGHV3-33*01

2087 sequences assigned
95 (4.6%) exact matches, in which:
94 unique CDR3
7 unique J



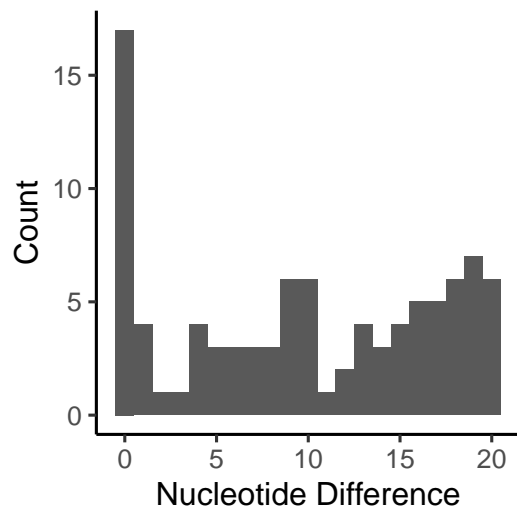
IGHV3-49*03

239 sequences assigned
27 (11.3%) exact matches, in which:
26 unique CDR3
6 unique J



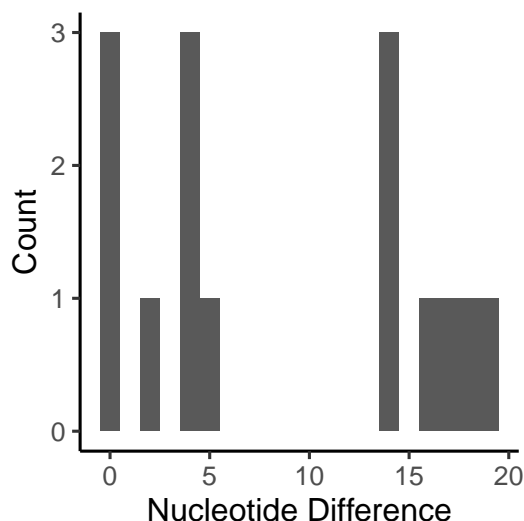
IGHV3-66*02

272 sequences assigned
17 (6.2%) exact matches, in which:
17 unique CDR3
4 unique J



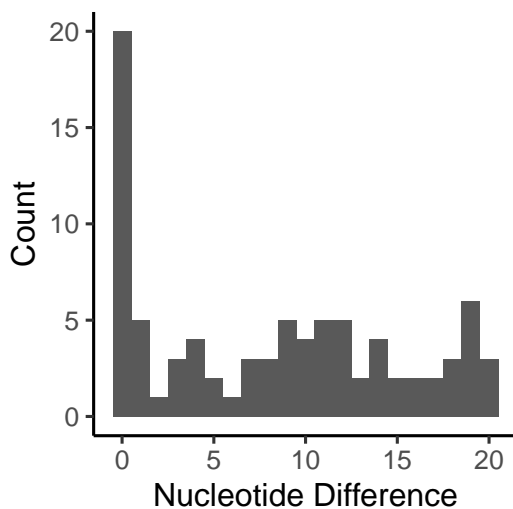
IGHV3-43*01

19 sequences assigned
3 (15.8%) exact matches, in which:
3 unique CDR3
2 unique J



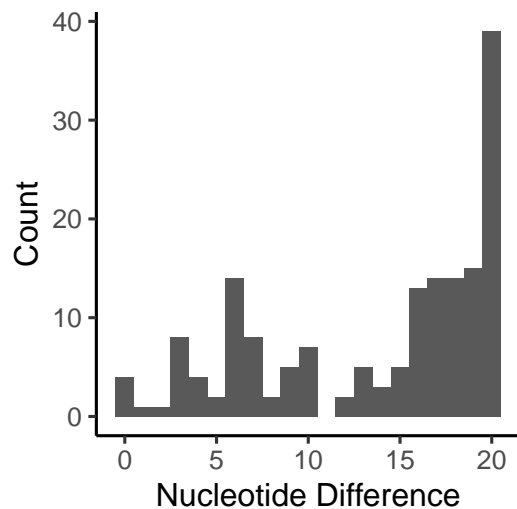
IGHV3-53*02

165 sequences assigned
20 (12.1%) exact matches, in which:
19 unique CDR3
5 unique J



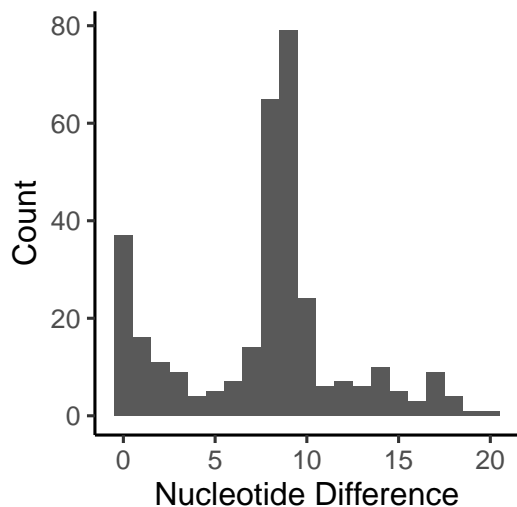
IGHV3-72*01

241 sequences assigned
4 (1.7%) exact matches, in which:
4 unique CDR3
3 unique J



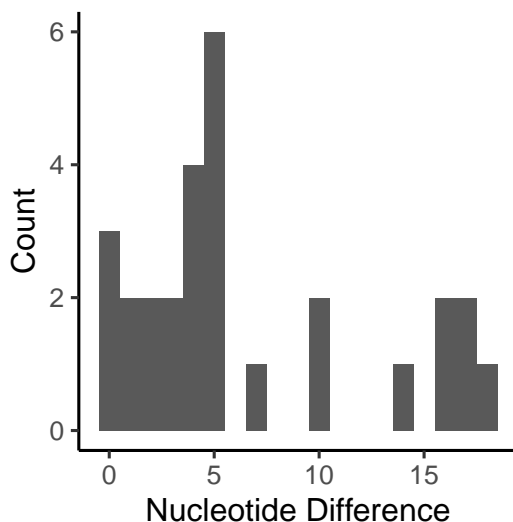
IGHV3-48*01

544 sequences assigned
37 (6.8%) exact matches, in which:
31 unique CDR3
6 unique J



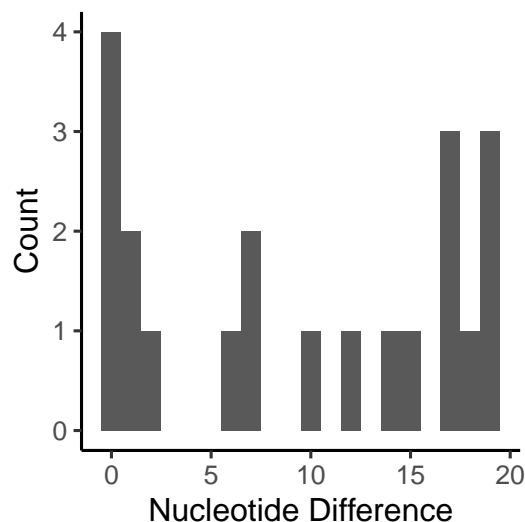
IGHV3-64*01

42 sequences assigned
3 (7.1%) exact matches, in which:
3 unique CDR3
2 unique J



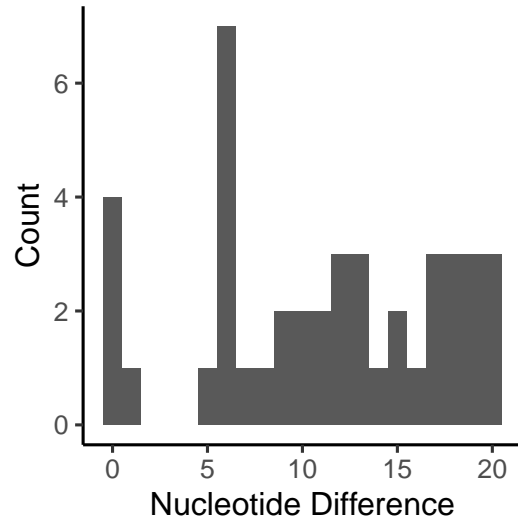
IGHV3-73*01

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



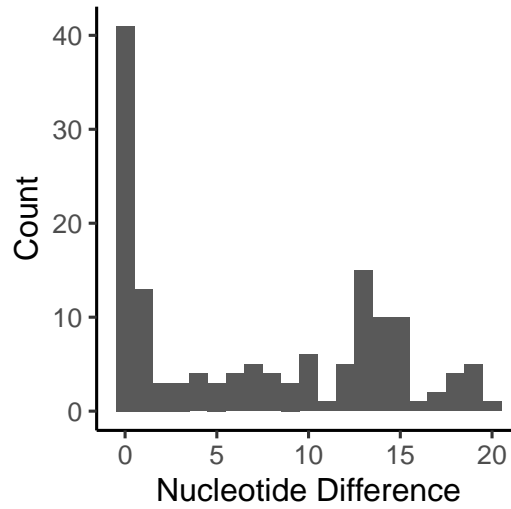
IGHV3-73*02

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



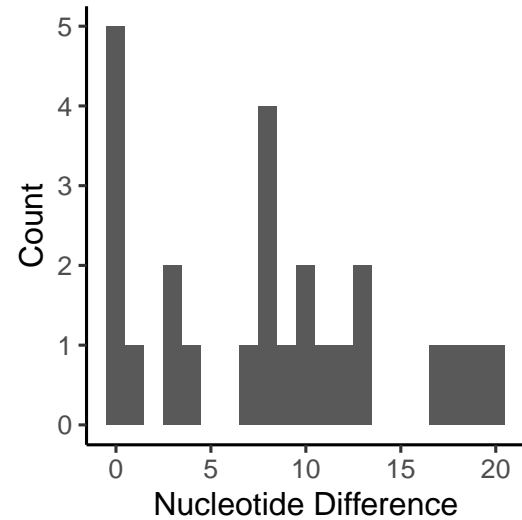
IGHV4-4*07

332 sequences assigned
41 (12.3%) exact matches, in which:
41 unique CDR3
7 unique J



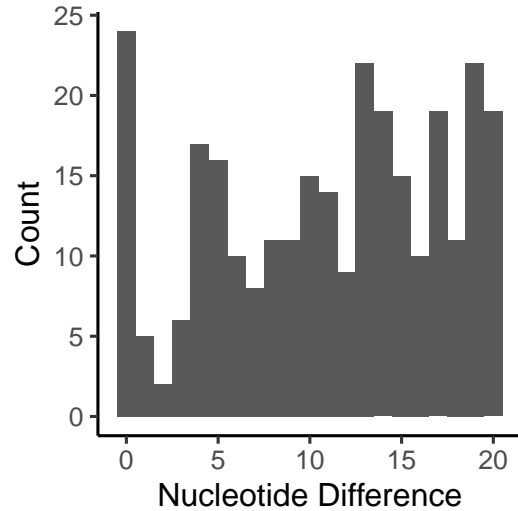
IGHV4-30-2*01

49 sequences assigned
5 (10.2%) exact matches, in which:
5 unique CDR3
4 unique J



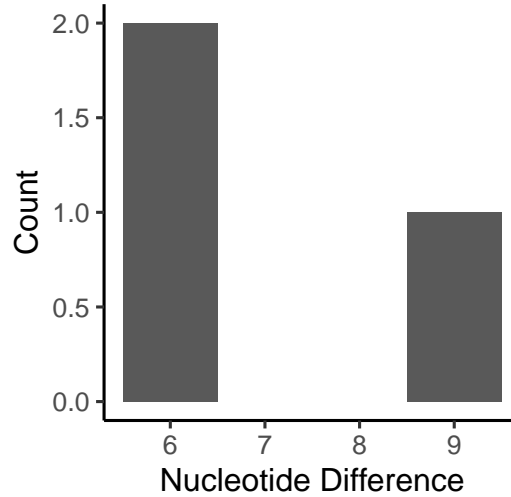
IGHV3-74*01

502 sequences assigned
24 (4.8%) exact matches, in which:
23 unique CDR3
5 unique J



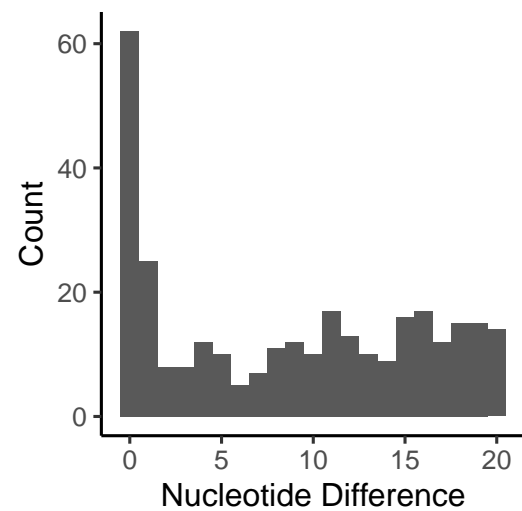
IGHV4-28*01

6 sequences assigned
No exact matches.



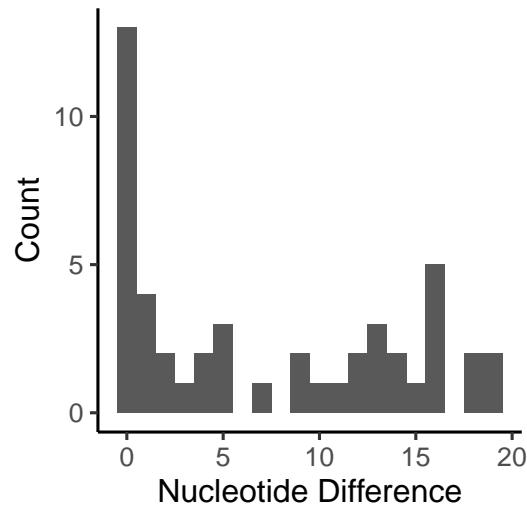
IGHV4-31*03

644 sequences assigned
62 (9.6%) exact matches, in which:
62 unique CDR3
6 unique J



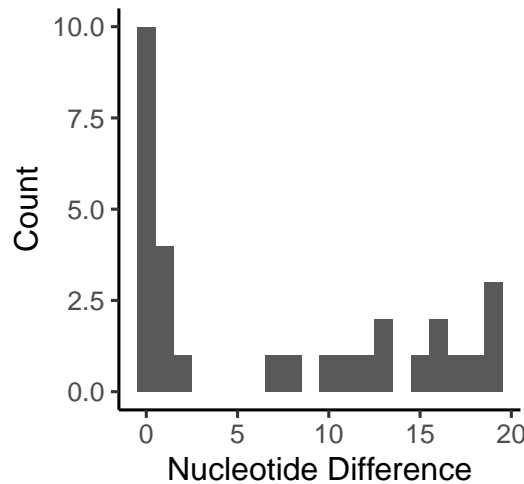
IGHV3-64D*06

177 sequences assigned
13 (7.3%) exact matches, in which:
13 unique CDR3
5 unique J



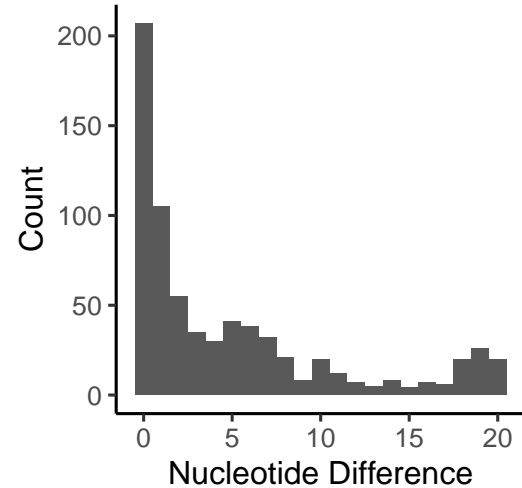
IGHV4-30-4*01

137 sequences assigned
10 (7.3%) exact matches, in which:
10 unique CDR3
4 unique J



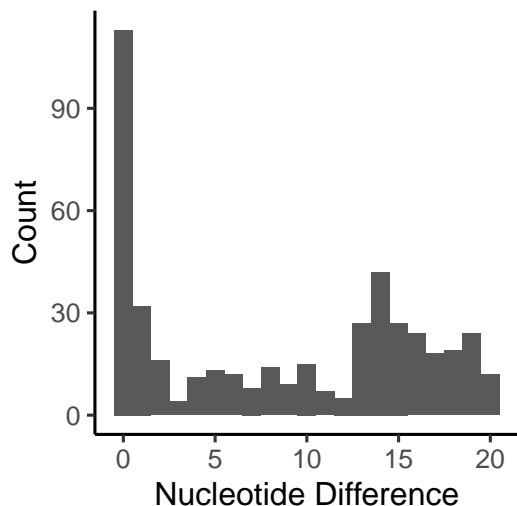
IGHV4-34*01

1292 sequences assigned
207 (16%) exact matches, in which:
193 unique CDR3
7 unique J



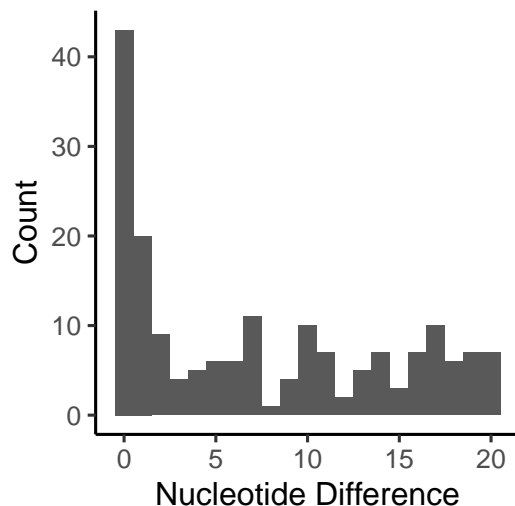
IGHV4-39*01

1163 sequences assigned
113 (9.7%) exact matches, in which:
108 unique CDR3
6 unique J



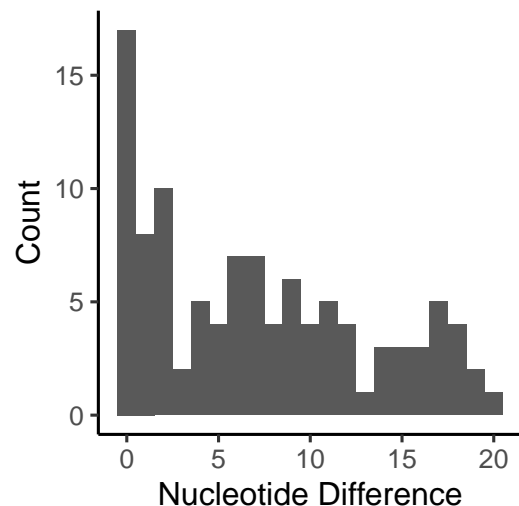
IGHV5-10-1*03

407 sequences assigned
43 (10.6%) exact matches, in which:
43 unique CDR3
4 unique J



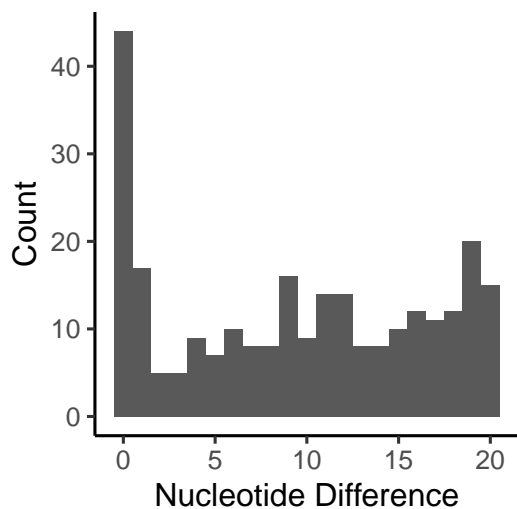
IGHV6-1*01

147 sequences assigned
17 (11.6%) exact matches, in which:
17 unique CDR3
4 unique J



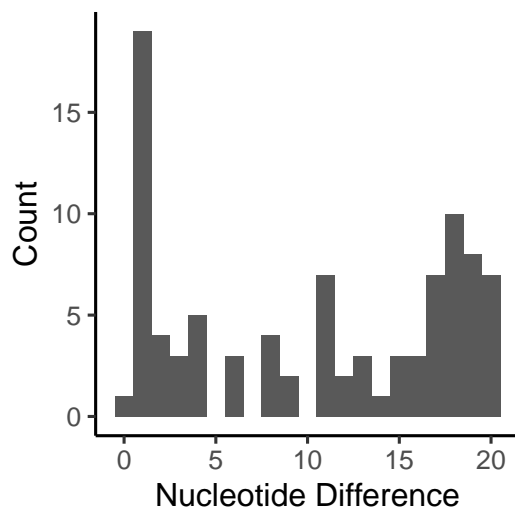
IGHV4-59*01

511 sequences assigned
44 (8.6%) exact matches, in which:
44 unique CDR3
6 unique J



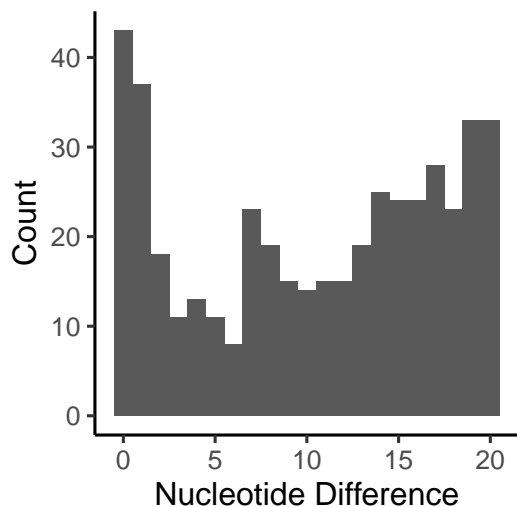
IGHV5-51*01

142 sequences assigned
1 (0.7%) exact matches, in which:
1 unique CDR3
1 unique J



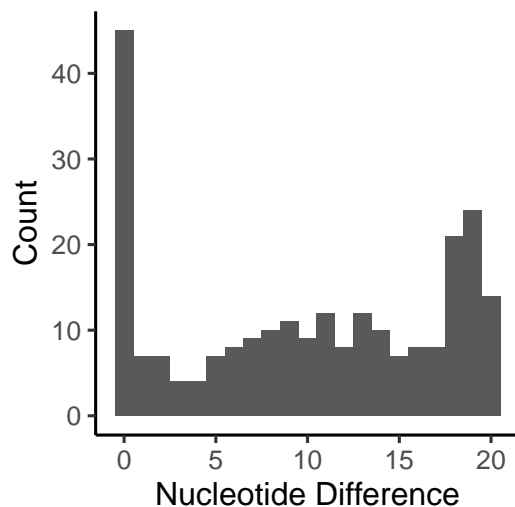
IGHV4-61*02

1305 sequences assigned
43 (3.3%) exact matches, in which:
42 unique CDR3
6 unique J

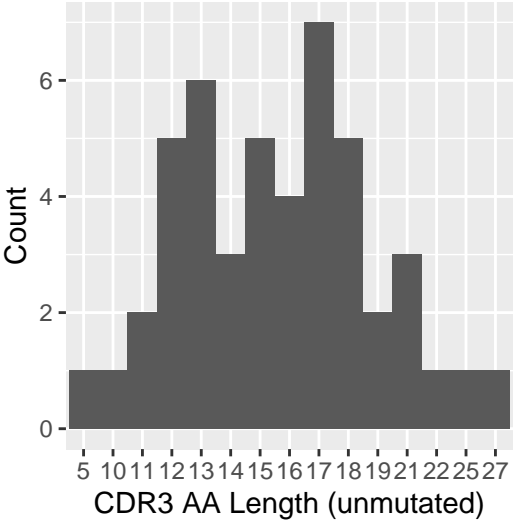


IGHV5-51*03

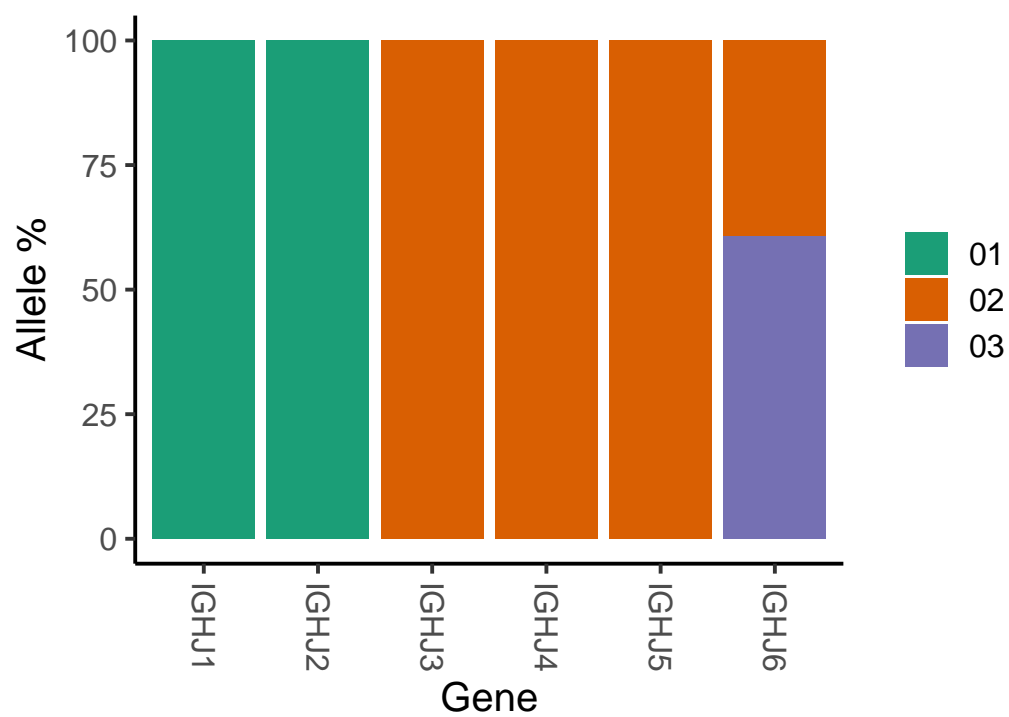
452 sequences assigned
45 (10%) exact matches, in which:
44 unique CDR3
7 unique J



IGHV1-69*08_C191T



Allele Usage



Sequence Count byIGHJ6 allele usage

