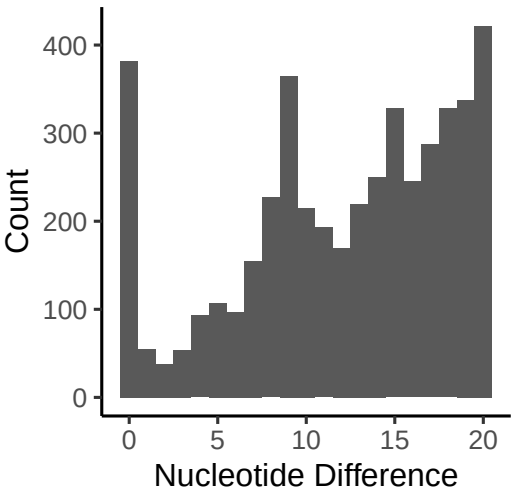
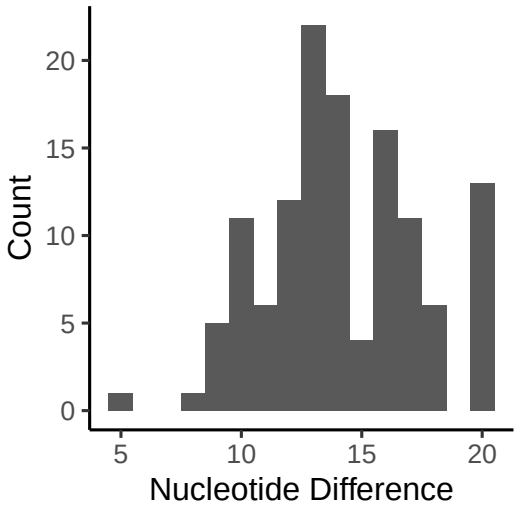
IGHV1−2*02

6888 sequences assigned
382 (5.5%) exact matches, in which:
353 unique CDR3
6 unique J



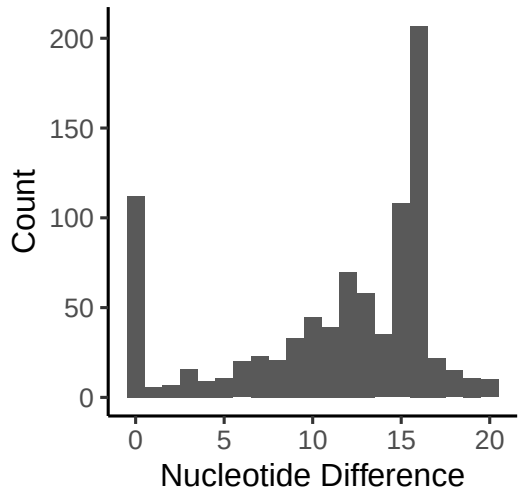
IGHV1−3*04

184 sequences assigned
No exact matches.



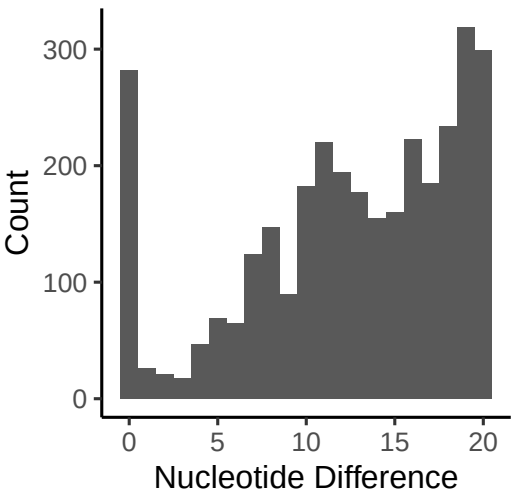
IGHV1−24*01

982 sequences assigned
112 (11.4%) exact matches, in which:
108 unique CDR3
6 unique J



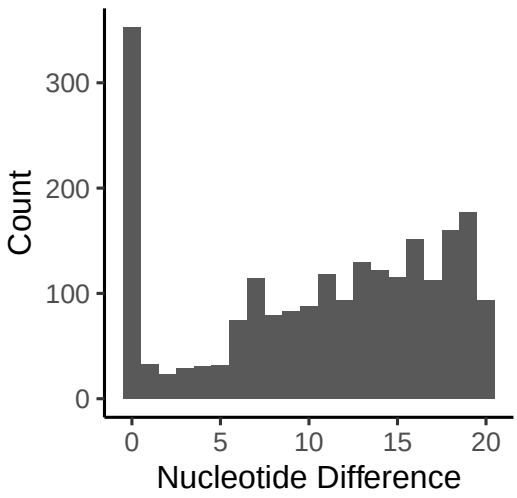
IGHV1−2*06

5364 sequences assigned
282 (5.3%) exact matches, in which:
267 unique CDR3
6 unique J



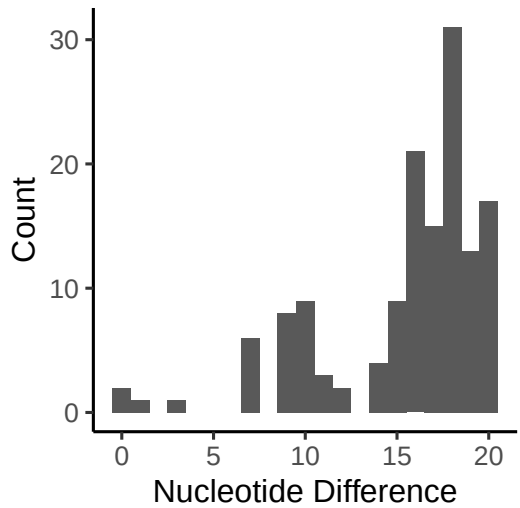
IGHV1−8*01

3322 sequences assigned
353 (10.6%) exact matches, in which:
331 unique CDR3
7 unique J



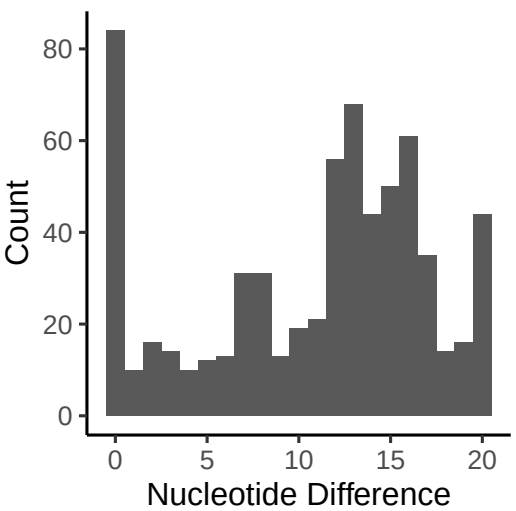
IGHV1−45*02

409 sequences assigned
2 (0.5%) exact matches, in which:
2 unique CDR3
2 unique J



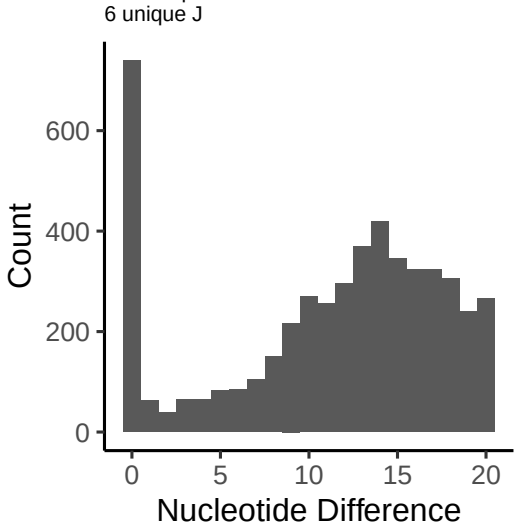
IGHV1−3*01

1013 sequences assigned
84 (8.3%) exact matches, in which:
81 unique CDR3
6 unique J



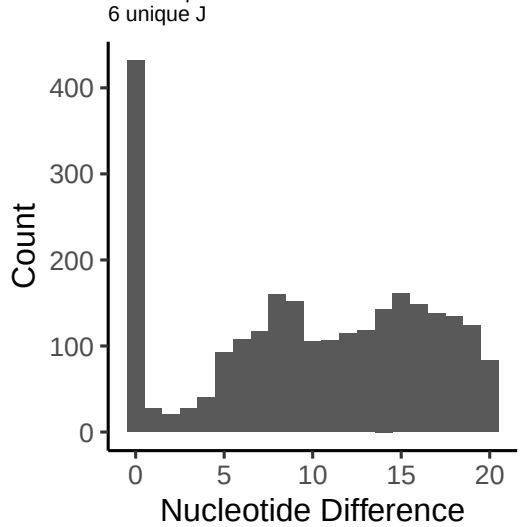
IGHV1−18*01

7566 sequences assigned
740 (9.8%) exact matches, in which:
690 unique CDR3
6 unique J



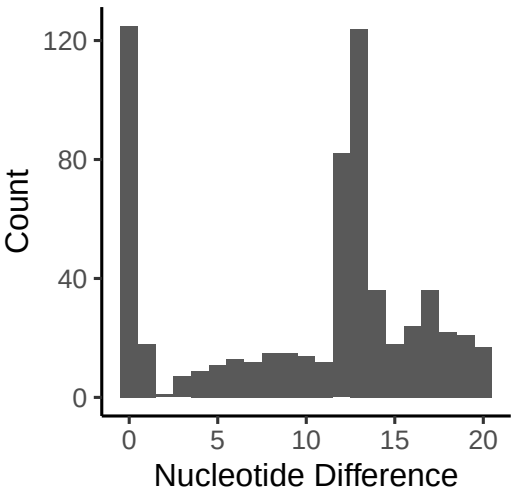
IGHV1−46*03

3882 sequences assigned
432 (11.1%) exact matches, in which:
395 unique CDR3
6 unique J



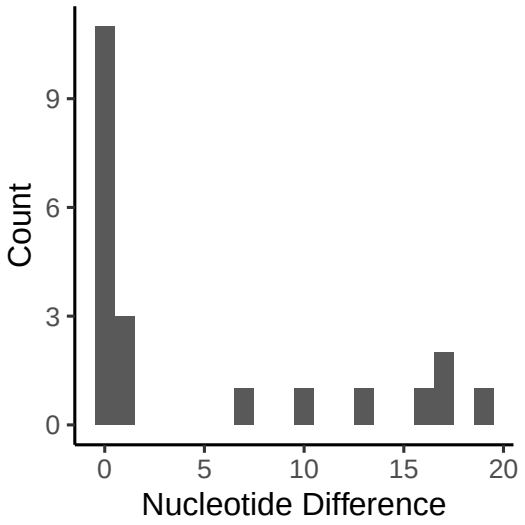
IGHV1−58*02

717 sequences assigned
125 (17.4%) exact matches, in which:
110 unique CDR3
5 unique J



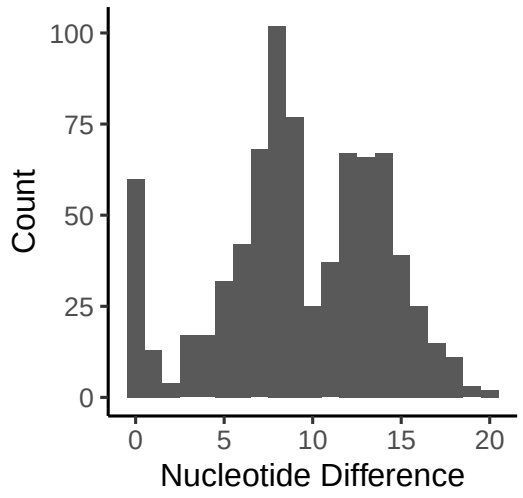
IGHV1−69D*01

80 sequences assigned
11 (13.8%) exact matches, in which:
11 unique CDR3
4 unique J



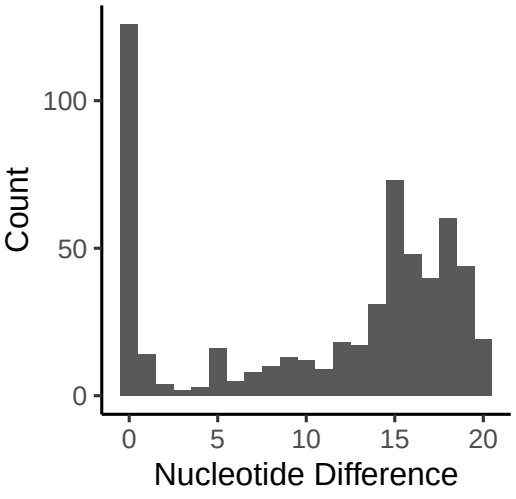
IGHV2−26*01

806 sequences assigned
60 (7.4%) exact matches, in which:
57 unique CDR3
5 unique J



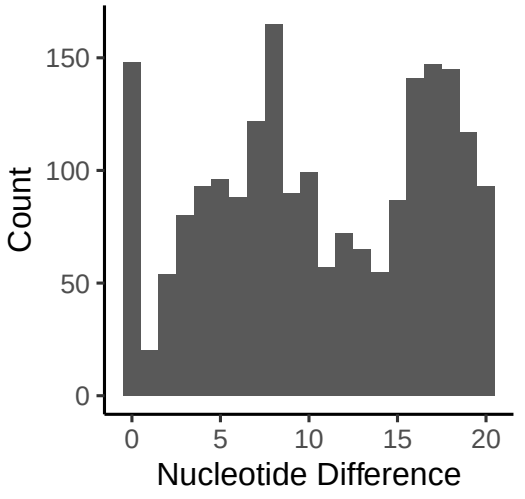
IGHV1−69*02

1921 sequences assigned
126 (6.6%) exact matches, in which:
122 unique CDR3
5 unique J



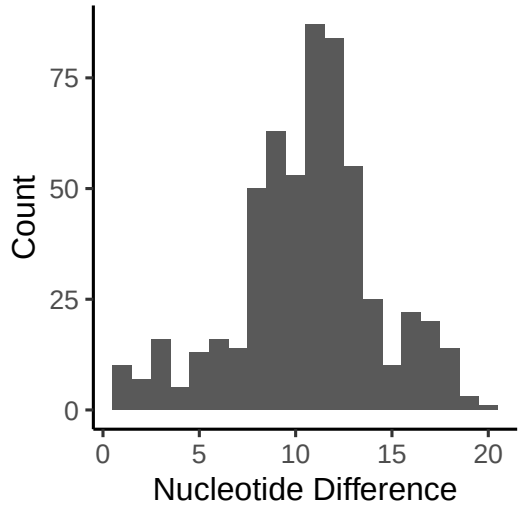
IGHV2−5*01

2334 sequences assigned
148 (6.3%) exact matches, in which:
127 unique CDR3
5 unique J



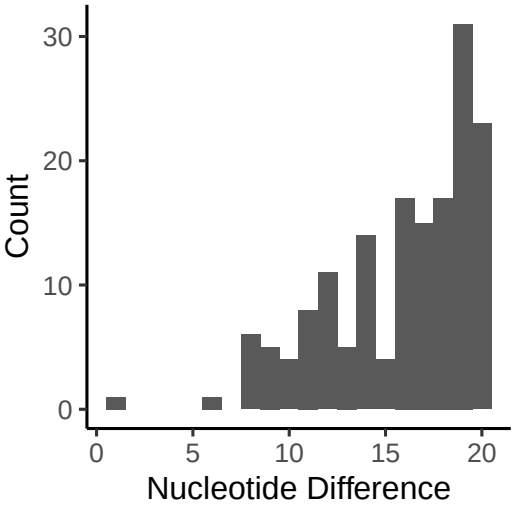
IGHV2−70*17

594 sequences assigned
No exact matches.



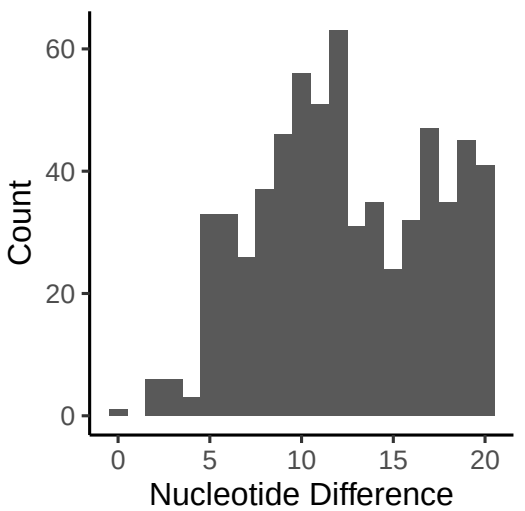
IGHV1−69*08

638 sequences assigned
No exact matches.



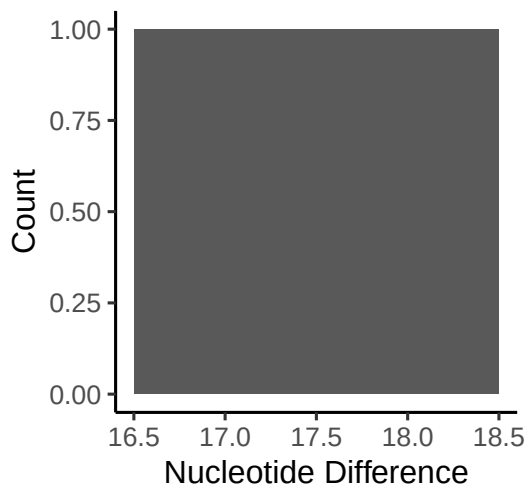
IGHV2−5*02

832 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



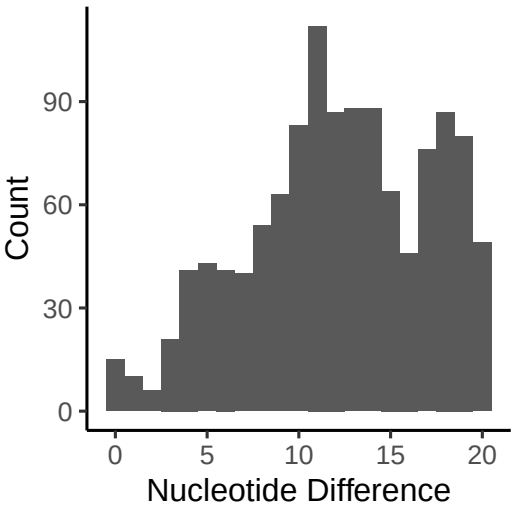
IGHV2−70D*04

5 sequences assigned
No exact matches.



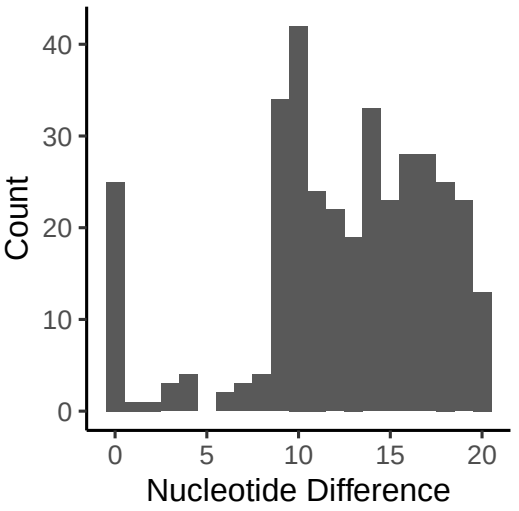
IGHV3−7*01

1517 sequences assigned
15 (1%) exact matches, in which:
12 unique CDR3
3 unique J



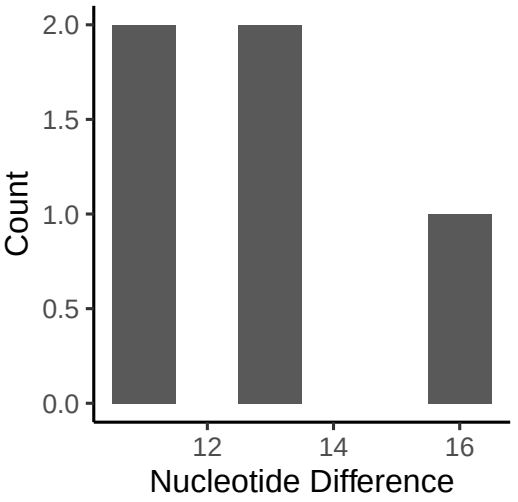
IGHV3−13*01

469 sequences assigned
25 (5.3%) exact matches, in which:
24 unique CDR3
5 unique J



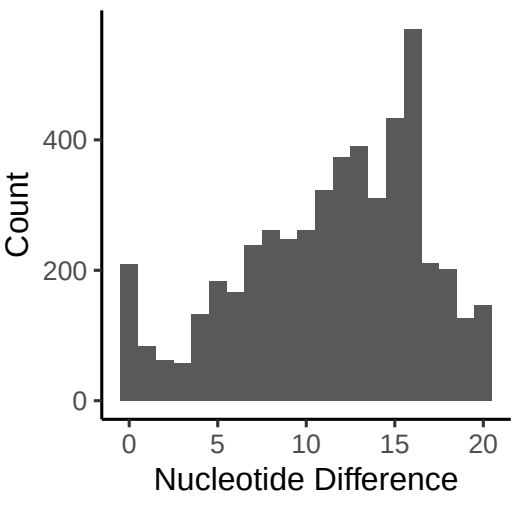
IGHV3−20*04

7 sequences assigned
No exact matches.



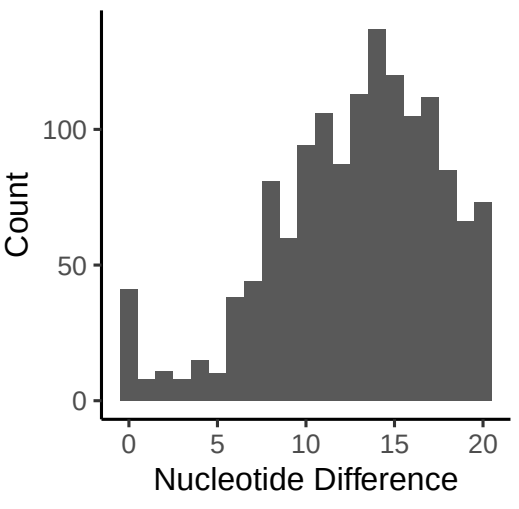
IGHV3−9*01

6119 sequences assigned
210 (3.4%) exact matches, in which:
181 unique CDR3
6 unique J



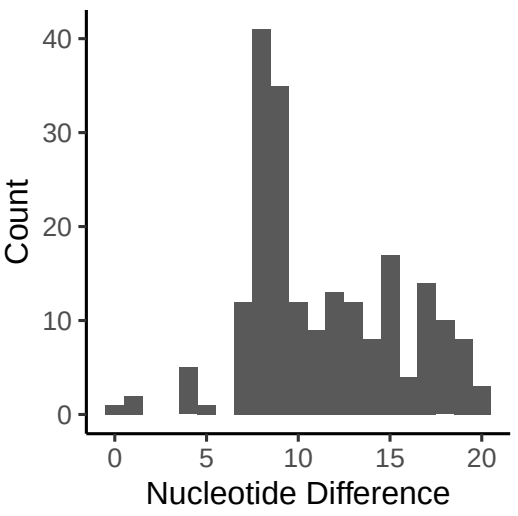
IGHV3−15*01

1915 sequences assigned
41 (2.1%) exact matches, in which:
36 unique CDR3
4 unique J



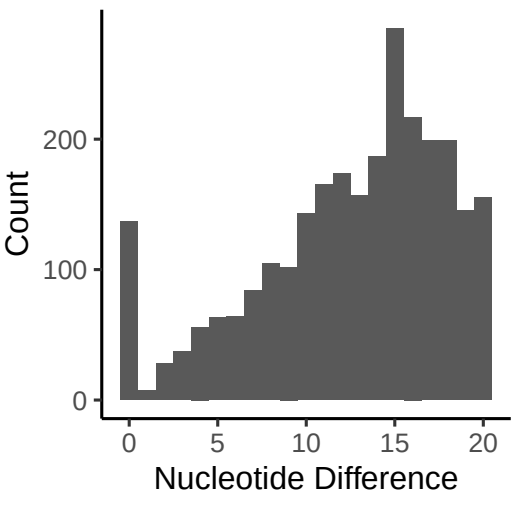
IGHV3−21*06

315 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



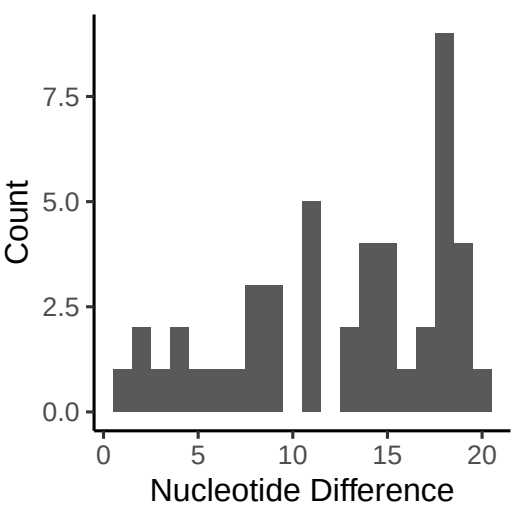
IGHV3−11*01

3795 sequences assigned
137 (3.6%) exact matches, in which:
124 unique CDR3
6 unique J



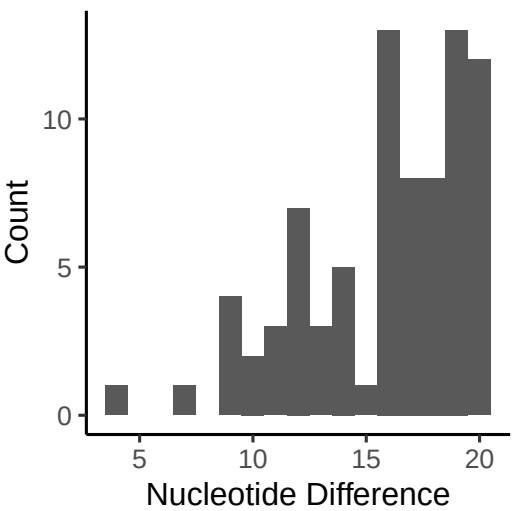
IGHV3−20*01

64 sequences assigned
No exact matches.



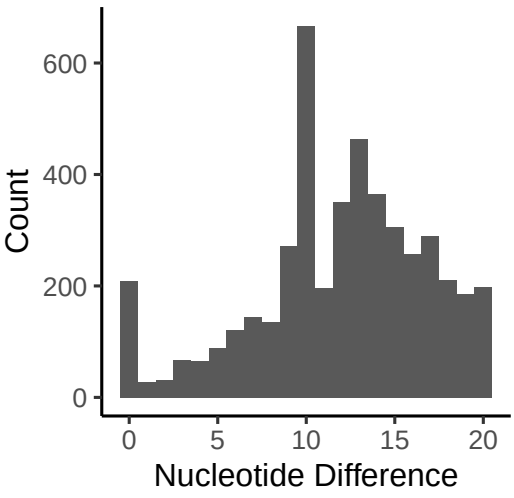
IGHV3−30−5*01

251 sequences assigned
No exact matches.



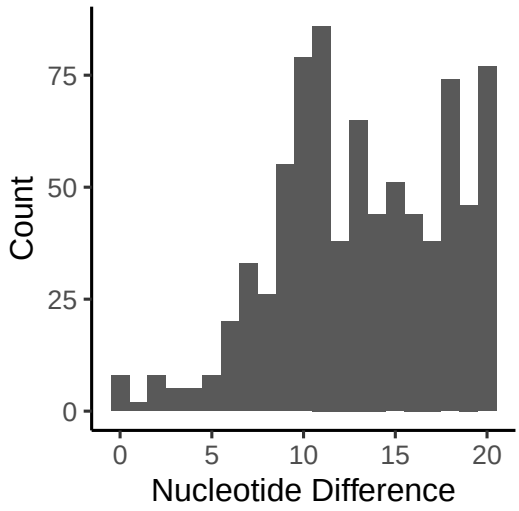
IGHV3−33*01

5865 sequences assigned
209 (3.6%) exact matches, in which:
189 unique CDR3
6 unique J



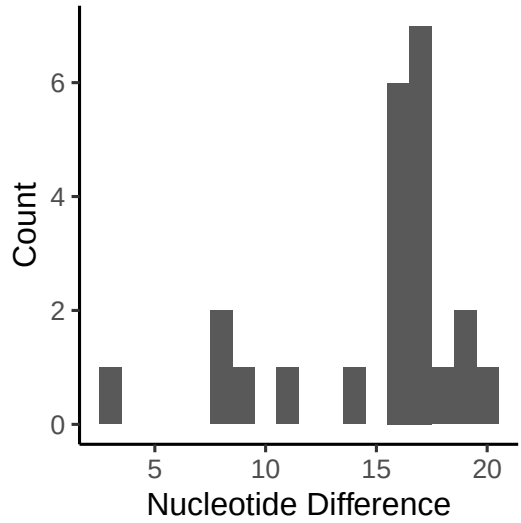
IGHV3−49*03

1408 sequences assigned
8 (0.6%) exact matches, in which:
7 unique CDR3
2 unique J



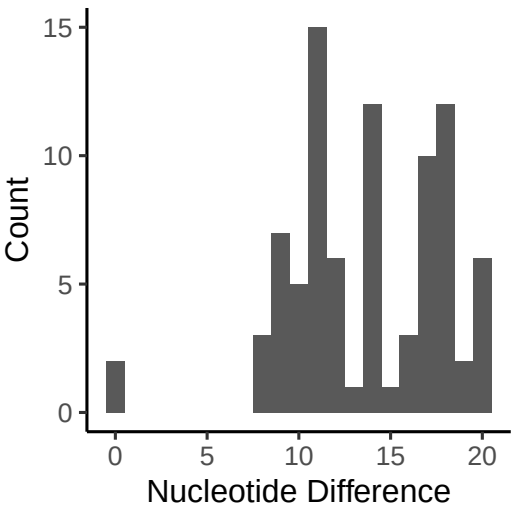
IGHV3−64*07

79 sequences assigned
No exact matches.



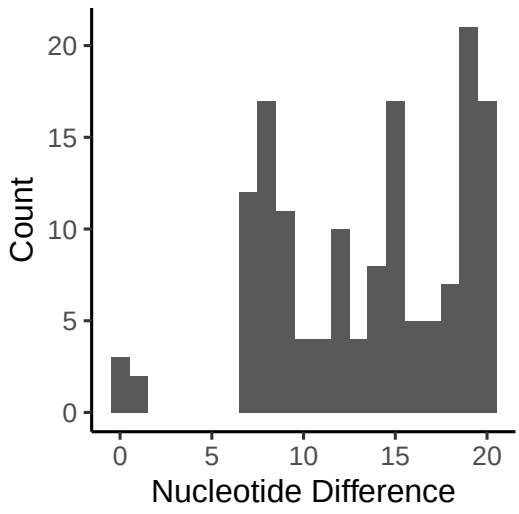
IGHV3−43*01

105 sequences assigned
2 (1.9%) exact matches, in which:
2 unique CDR3
1 unique J



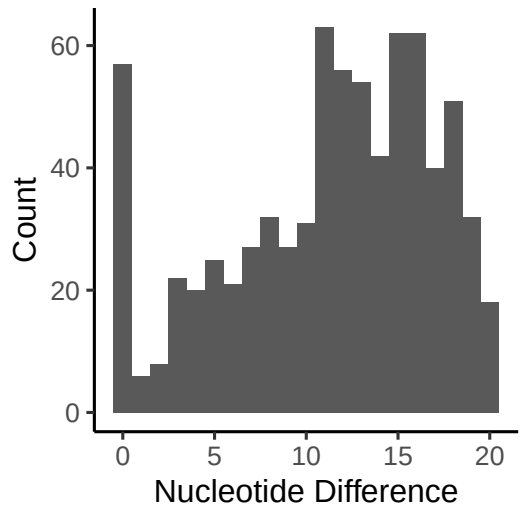
IGHV3−53*04

265 sequences assigned
3 (1.1%) exact matches, in which:
3 unique CDR3
1 unique J



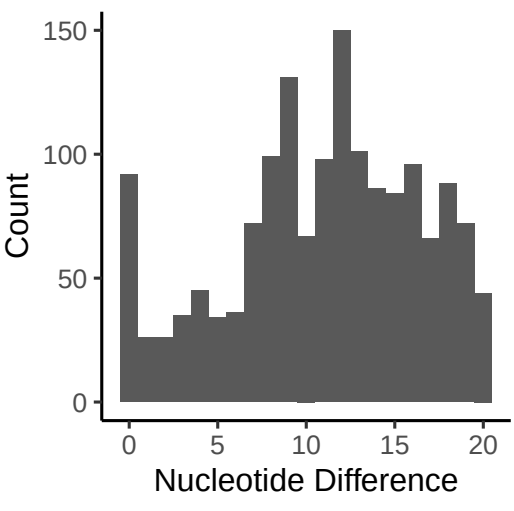
IGHV3−66*01

2122 sequences assigned
57 (2.7%) exact matches, in which:
52 unique CDR3
4 unique J



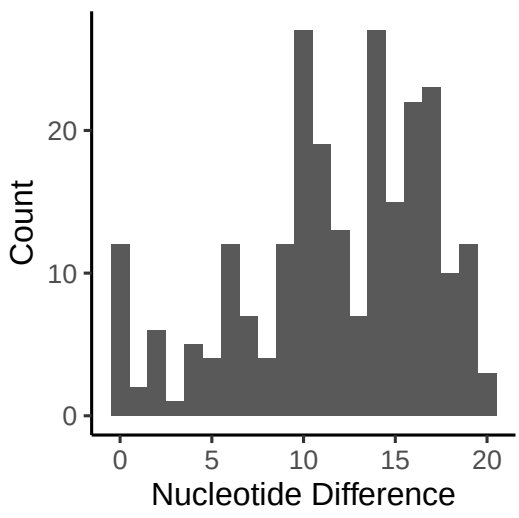
IGHV3−48*01

2019 sequences assigned
92 (4.6%) exact matches, in which:
72 unique CDR3
5 unique J



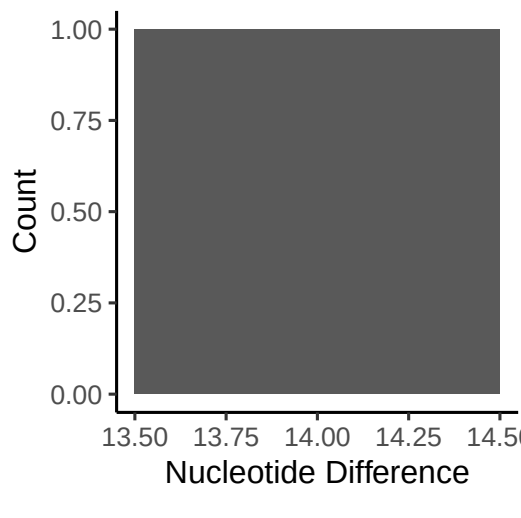
IGHV3−64*01

293 sequences assigned
12 (4.1%) exact matches, in which:
11 unique CDR3
4 unique J



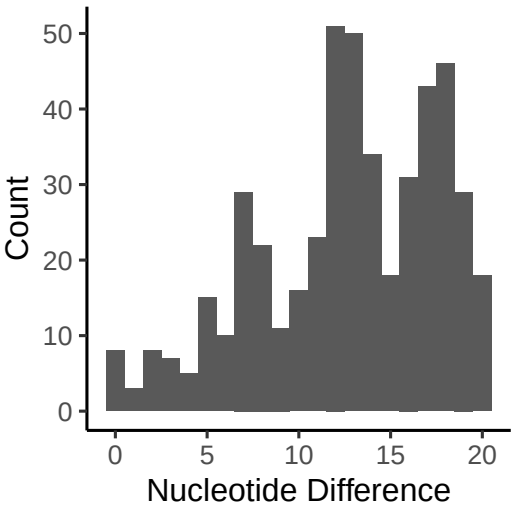
IGHV3−69−1*02

2 sequences assigned
No exact matches.



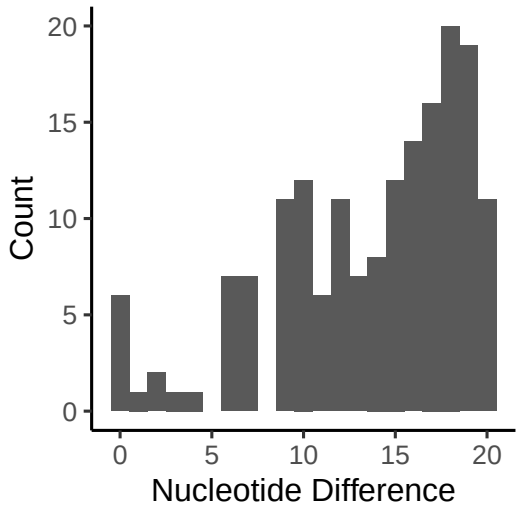
IGHV3−72*01

769 sequences assigned
8 (1%) exact matches, in which:
8 unique CDR3
2 unique J



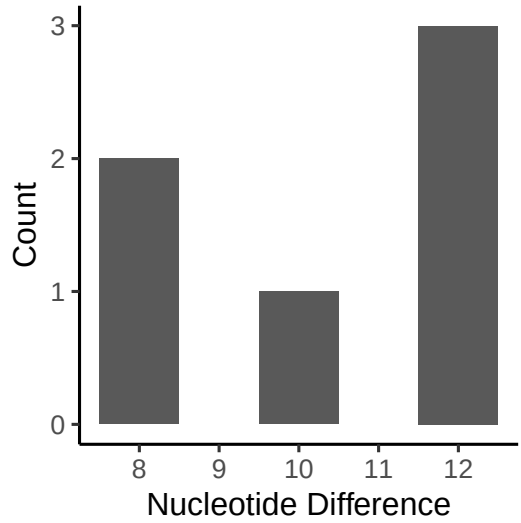
IGHV4−4*02

322 sequences assigned
6 (1.9%) exact matches, in which:
4 unique CDR3
3 unique J



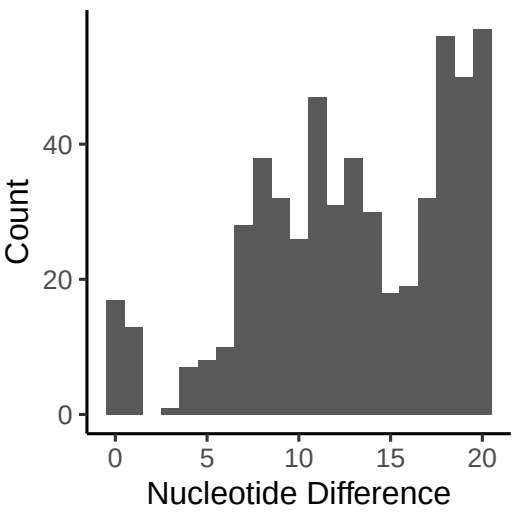
IGHV4−28*05

6 sequences assigned
No exact matches.



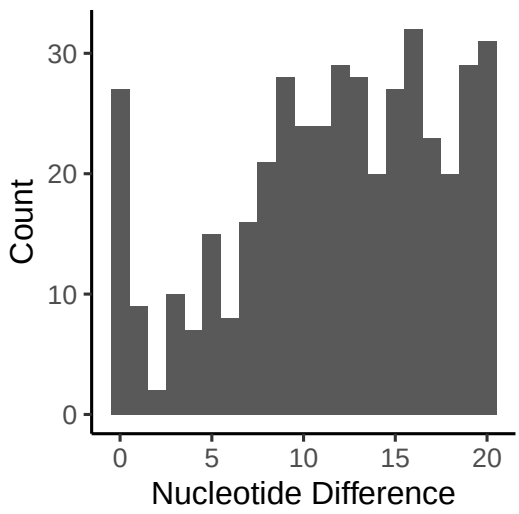
IGHV3−73*01

963 sequences assigned
17 (1.8%) exact matches, in which:
16 unique CDR3
4 unique J



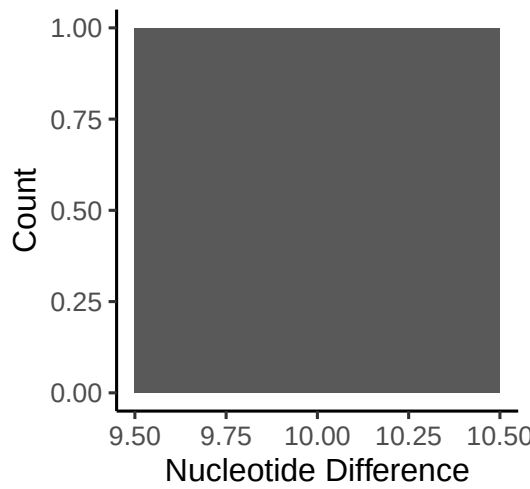
IGHV4−4*07

635 sequences assigned
27 (4.3%) exact matches, in which:
27 unique CDR3
6 unique J



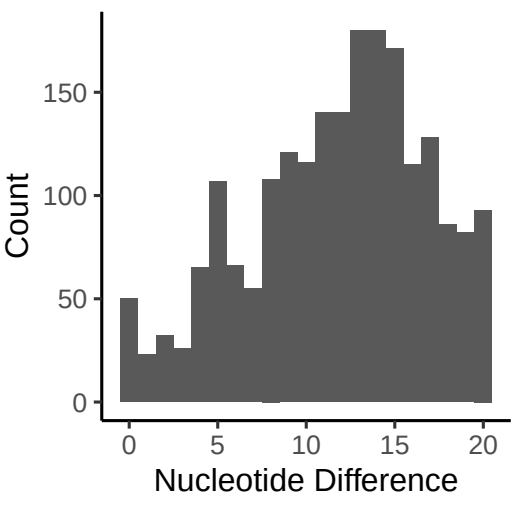
IGHV4−30−4*01

1 sequences assigned
No exact matches.



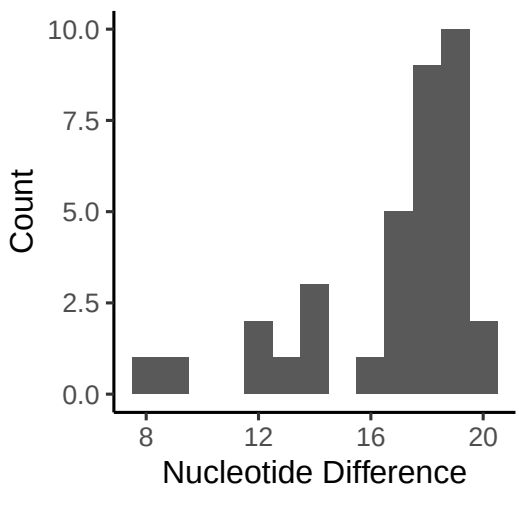
IGHV3−74*01

2755 sequences assigned
50 (1.8%) exact matches, in which:
35 unique CDR3
5 unique J



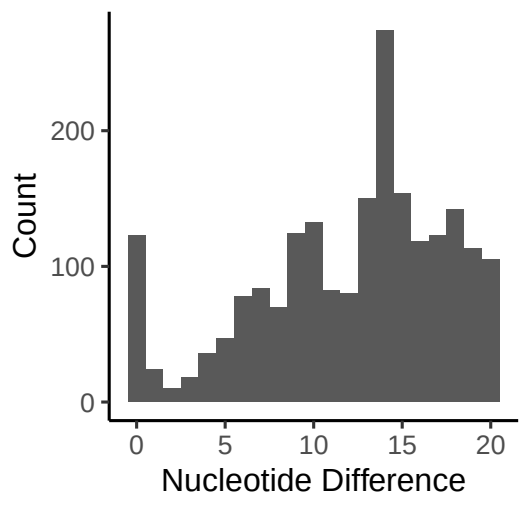
IGHV4−4*08

131 sequences assigned
No exact matches.



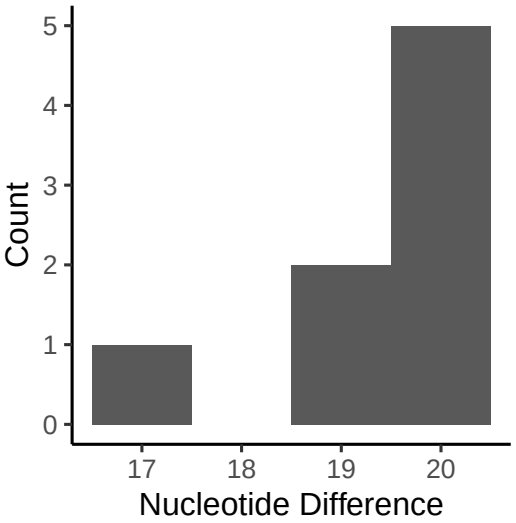
IGHV4−31*03

2773 sequences assigned
123 (4.4%) exact matches, in which:
107 unique CDR3
5 unique J



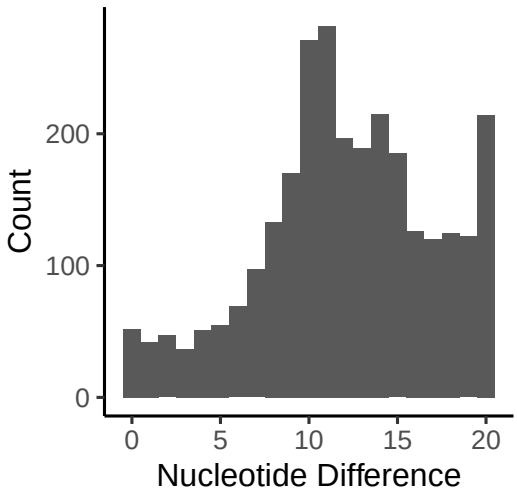
IGHV4−38−2*02

9 sequences assigned
No exact matches.



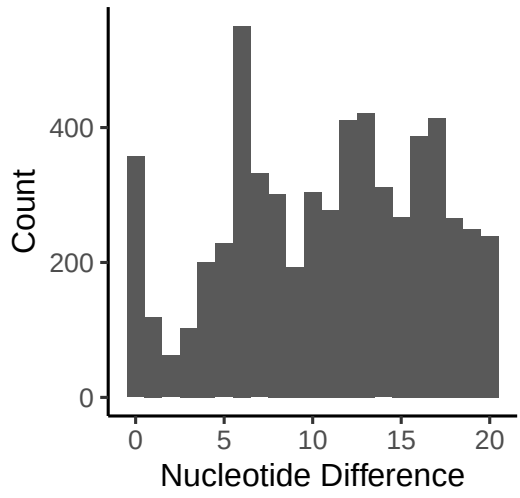
IGHV4−59*08

3915 sequences assigned
52 (1.3%) exact matches, in which:
39 unique CDR3
5 unique J



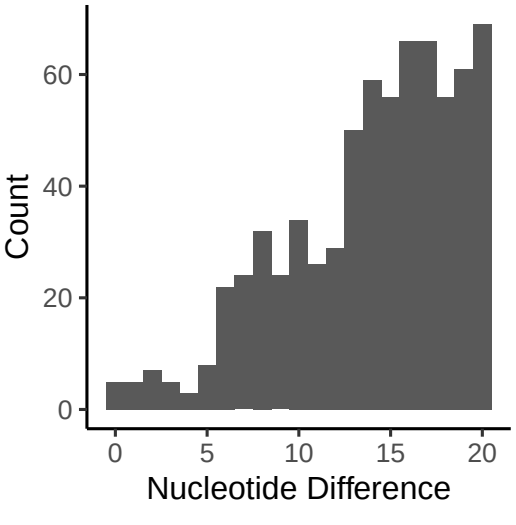
IGHV5−51*03

7319 sequences assigned
357 (4.9%) exact matches, in which:
297 unique CDR3
6 unique J



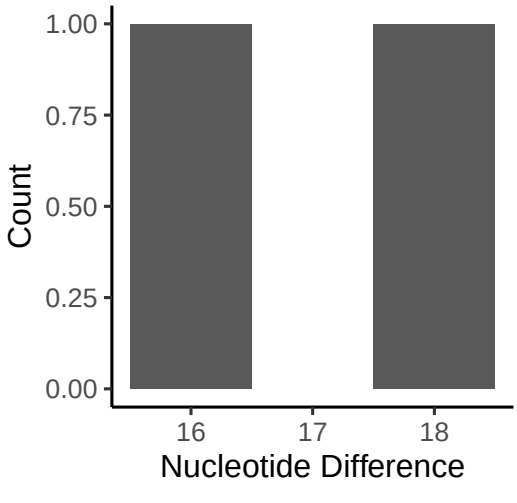
IGHV4−39*01

1589 sequences assigned
5 (0.3%) exact matches, in which:
5 unique CDR3
3 unique J



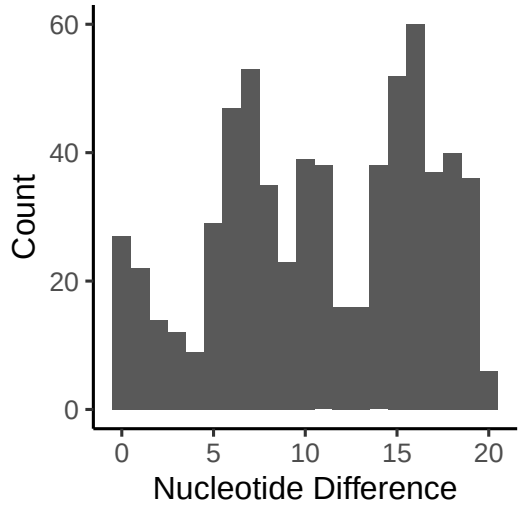
IGHV4−61*02

2 sequences assigned
No exact matches.



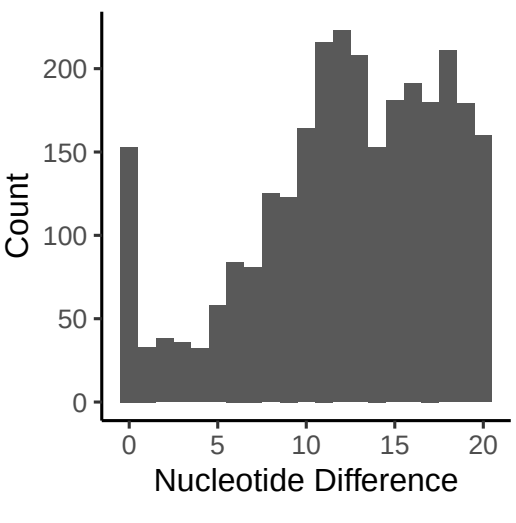
IGHV6−1*01

708 sequences assigned
27 (3.8%) exact matches, in which:
15 unique CDR3
4 unique J



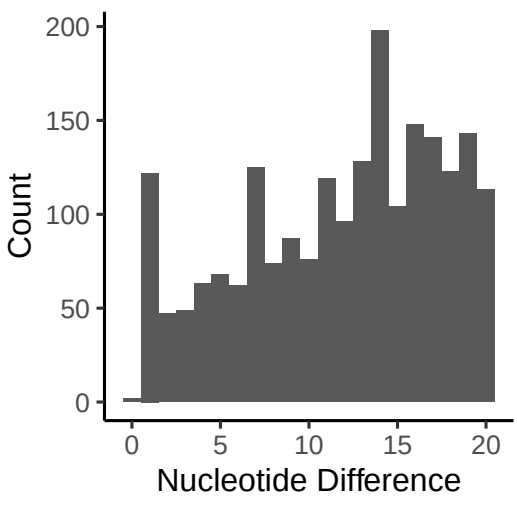
IGHV4−59*01

4020 sequences assigned
153 (3.8%) exact matches, in which:
132 unique CDR3
5 unique J



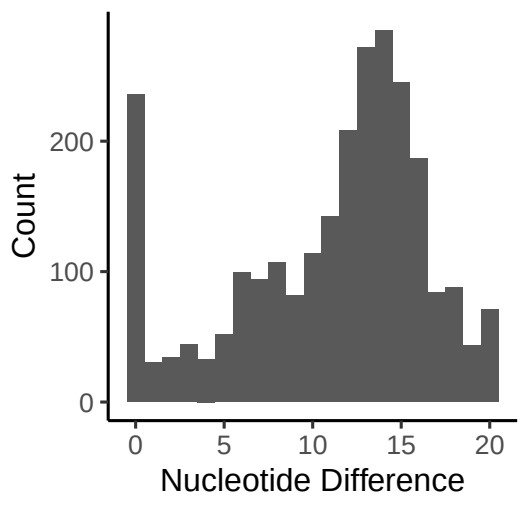
IGHV5−51*01

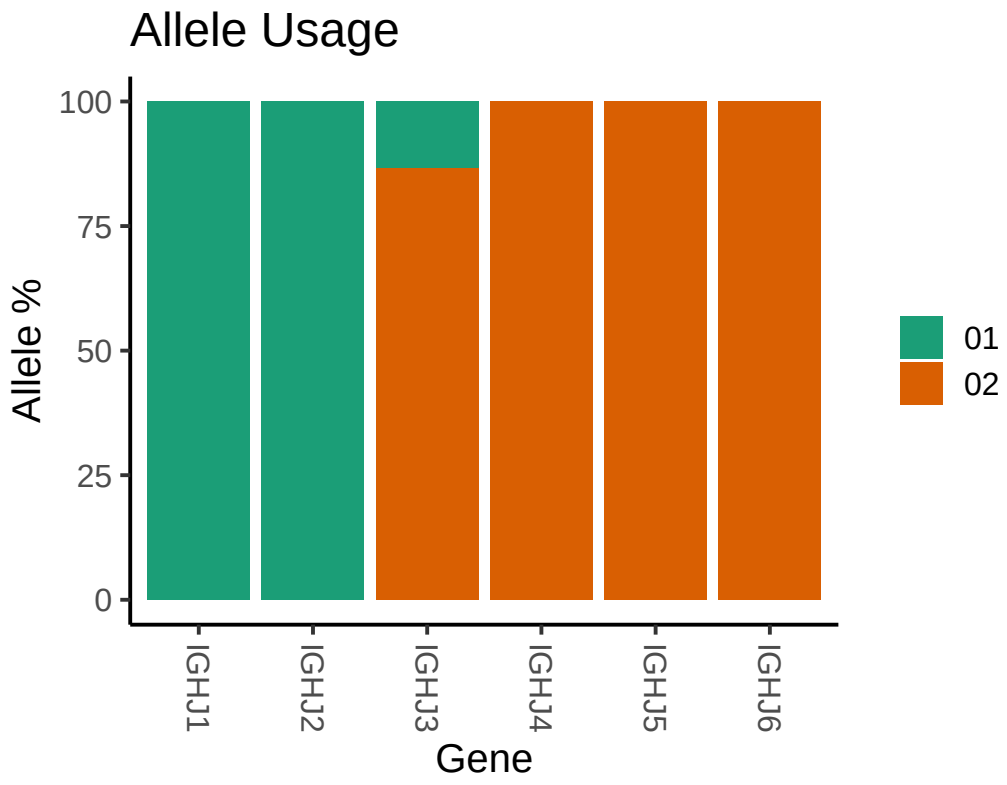
2732 sequences assigned
2 (0.1%) exact matches, in which:
2 unique CDR3
2 unique J



IGHV7−4−1*02

3228 sequences assigned
236 (7.3%) exact matches, in which:
211 unique CDR3
5 unique J




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.