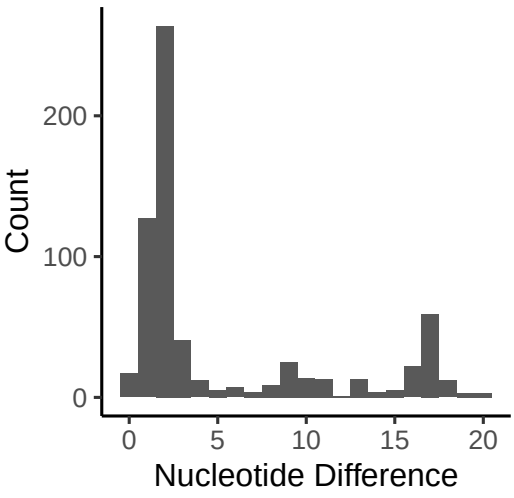
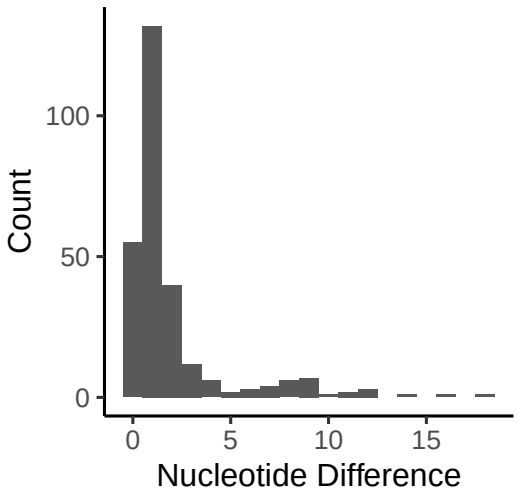
IGHV1−2*02

731 sequences assigned
17 (2.3%) exact matches, in which:
14 unique CDR3
3 unique J



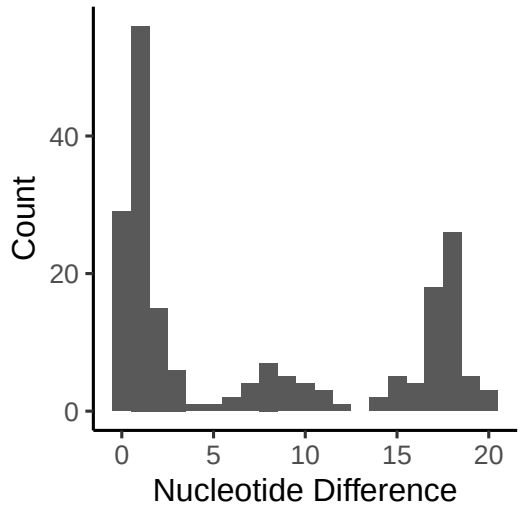
IGHV1−8*01

278 sequences assigned
55 (19.8%) exact matches, in which:
39 unique CDR3
4 unique J



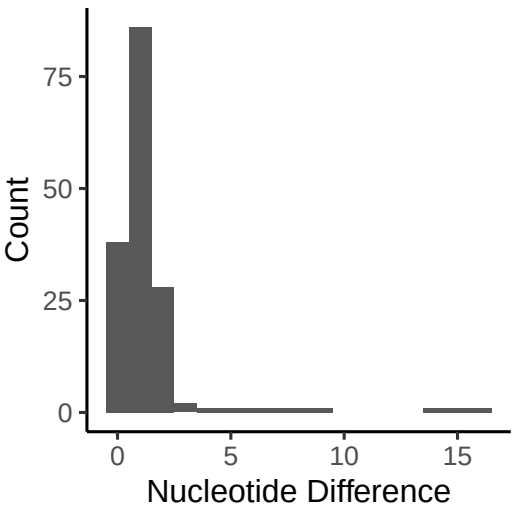
IGHV1−46*01

228 sequences assigned
29 (12.7%) exact matches, in which:
29 unique CDR3
4 unique J



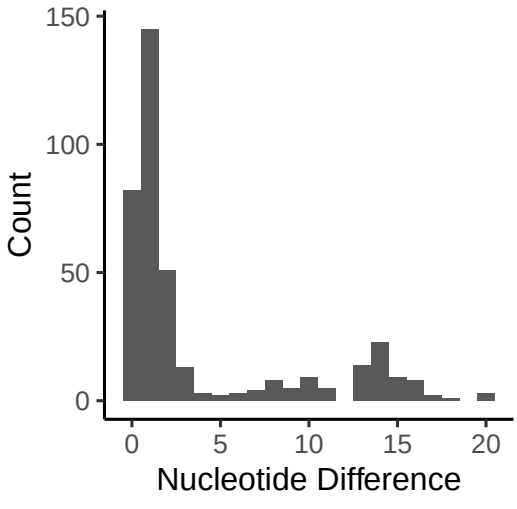
IGHV1−2*04

164 sequences assigned
38 (23.2%) exact matches, in which:
29 unique CDR3
4 unique J



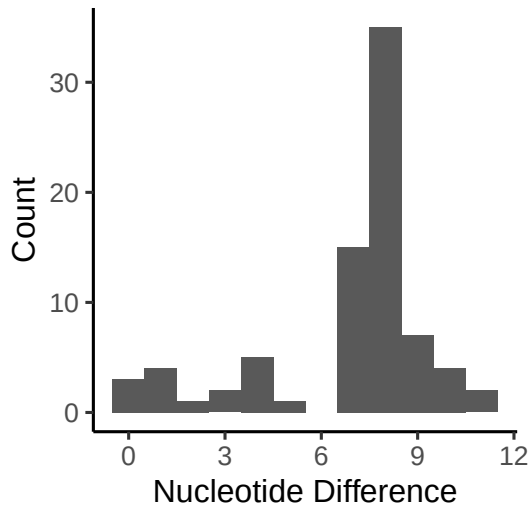
IGHV1−18*01

433 sequences assigned
82 (18.9%) exact matches, in which:
67 unique CDR3
4 unique J



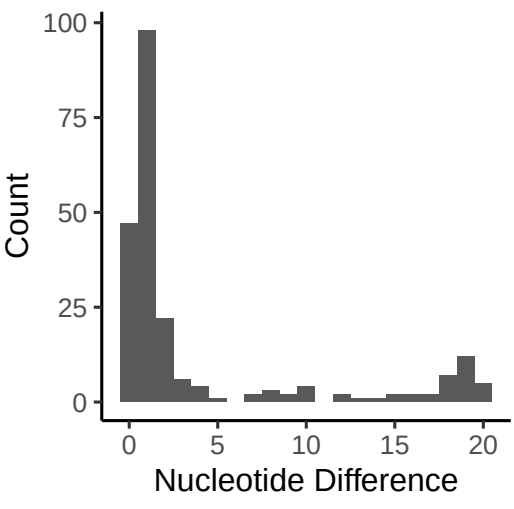
IGHV1−58*01_03

79 sequences assigned
3 (3.8%) exact matches, in which:
3 unique CDR3
2 unique J



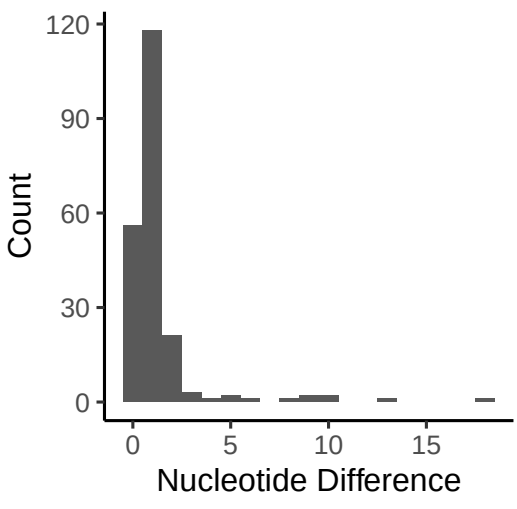
IGHV1−3*01_05

238 sequences assigned
47 (19.7%) exact matches, in which:
36 unique CDR3
4 unique J



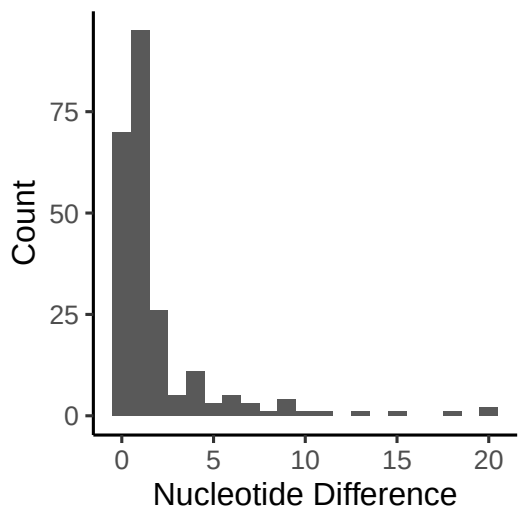
IGHV1−24*01

209 sequences assigned
56 (26.8%) exact matches, in which:
37 unique CDR3
4 unique J



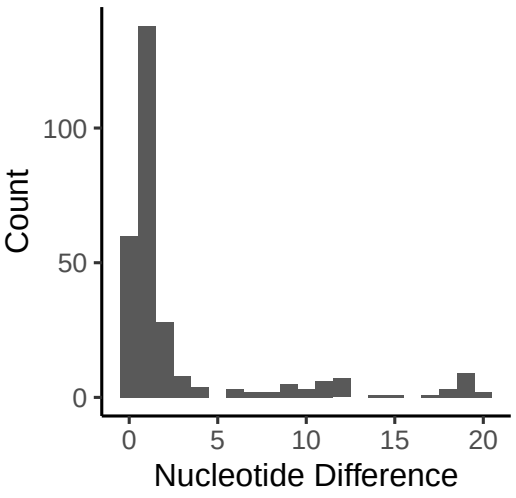
IGHV1−69*01_12_13

244 sequences assigned
70 (28.7%) exact matches, in which:
62 unique CDR3
5 unique J



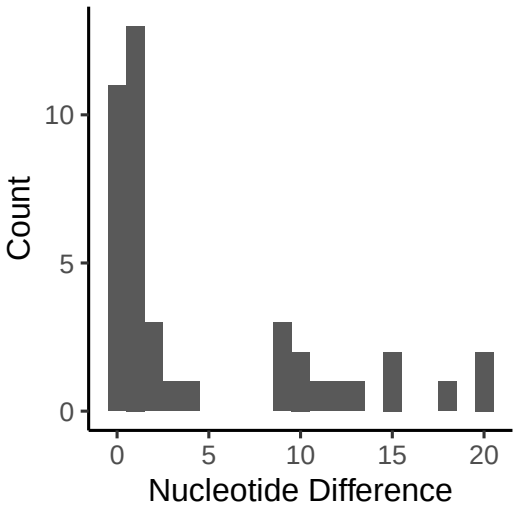
IGHV1−69*04_09

292 sequences assigned
60 (20.5%) exact matches, in which:
44 unique CDR3
4 unique J



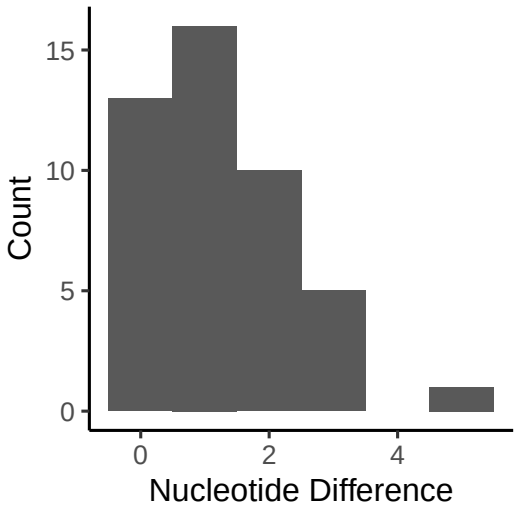
IGHV2−5*02

43 sequences assigned
11 (25.6%) exact matches, in which:
11 unique CDR3
4 unique J



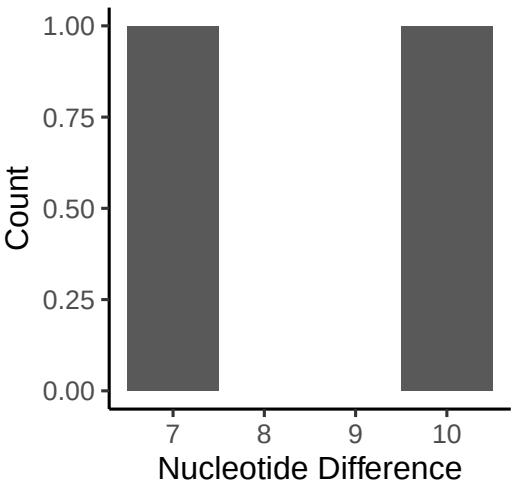
IGHV2−70*11_15

45 sequences assigned
13 (28.9%) exact matches, in which:
11 unique CDR3
3 unique J



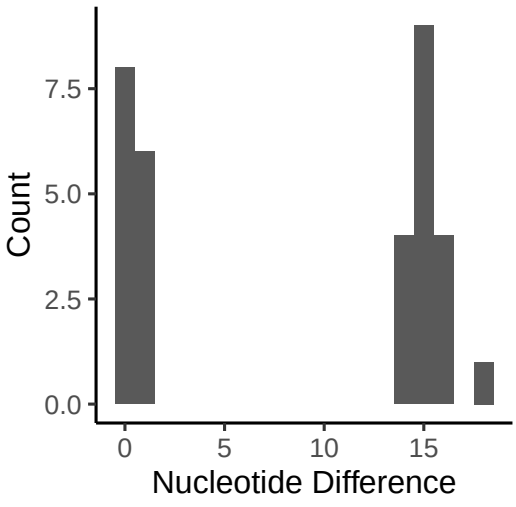
IGHV1−NL1*01

2 sequences assigned
No exact matches.



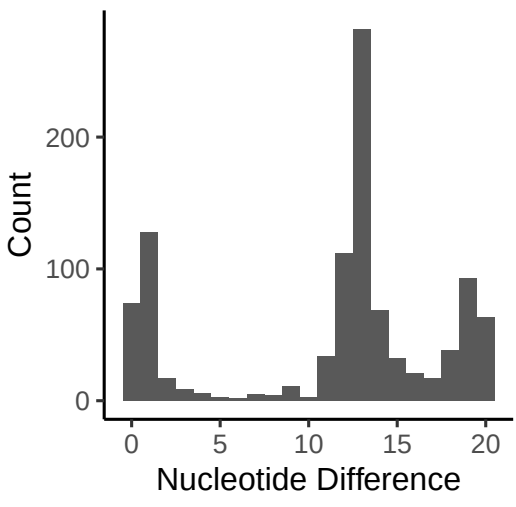
IGHV2−26*01

33 sequences assigned
8 (24.2%) exact matches, in which:
7 unique CDR3
3 unique J



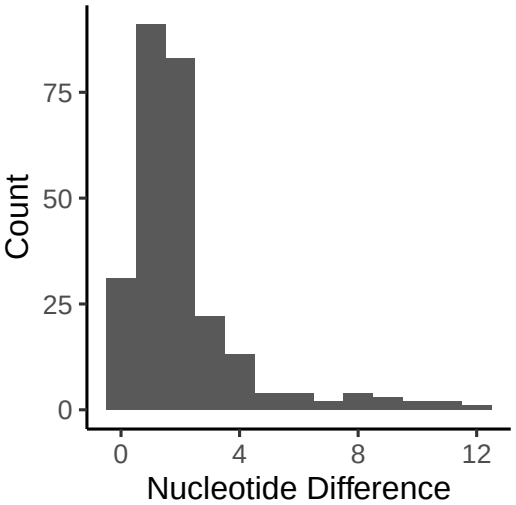
IGHV3−7*01

1071 sequences assigned
74 (6.9%) exact matches, in which:
44 unique CDR3
4 unique J



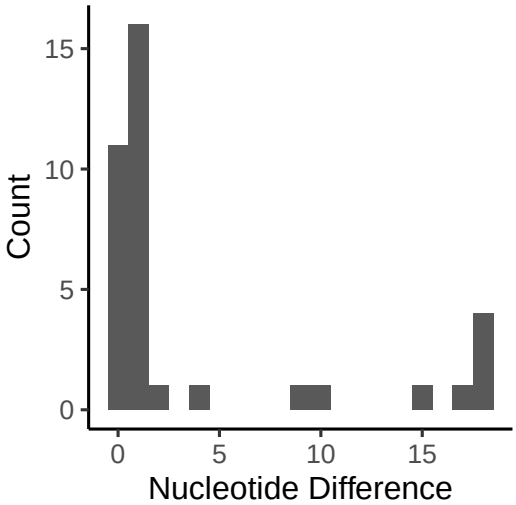
IGHV2−5*01

267 sequences assigned
31 (11.6%) exact matches, in which:
22 unique CDR3
3 unique J



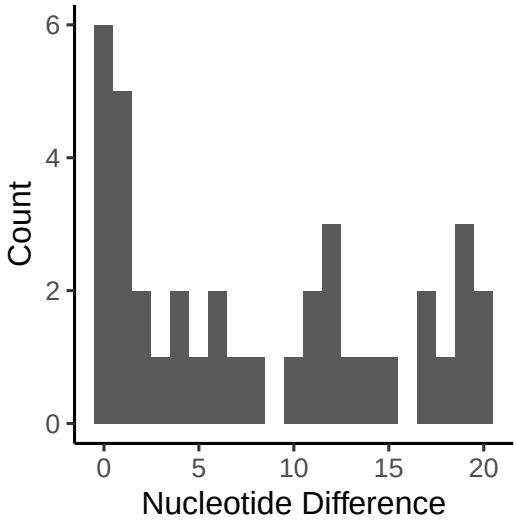
IGHV2−70*01

47 sequences assigned
11 (23.4%) exact matches, in which:
8 unique CDR3
3 unique J



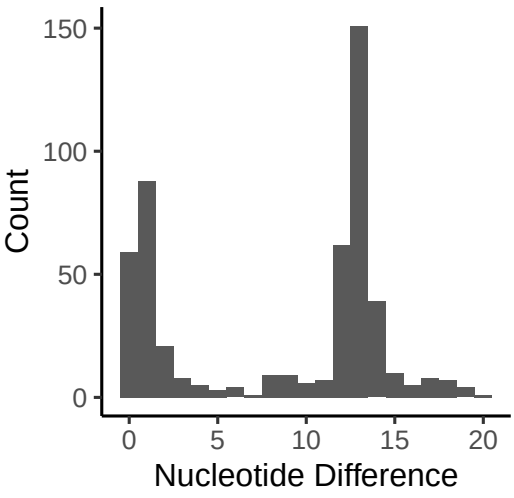
IGHV3−7*03

216 sequences assigned
6 (2.8%) exact matches, in which:
4 unique CDR3
2 unique J



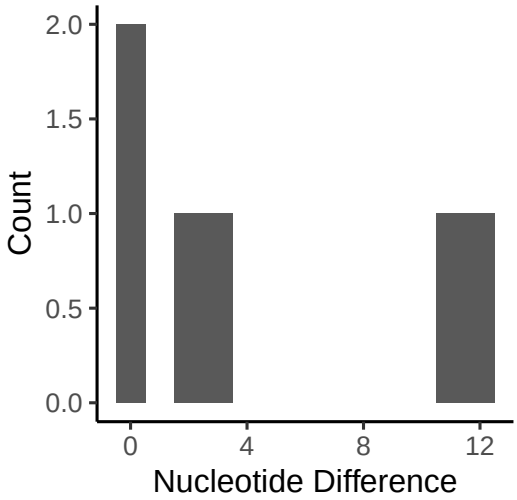
IGHV3−7*04

516 sequences assigned
59 (11.4%) exact matches, in which:
33 unique CDR3
5 unique J



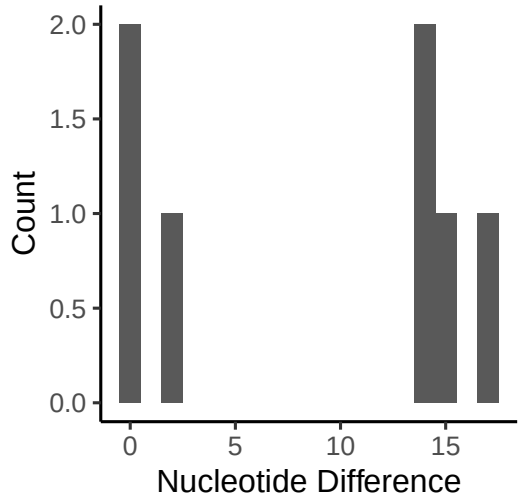
IGHV3−11*04

9 sequences assigned
2 (22.2%) exact matches, in which:
2 unique CDR3
1 unique J



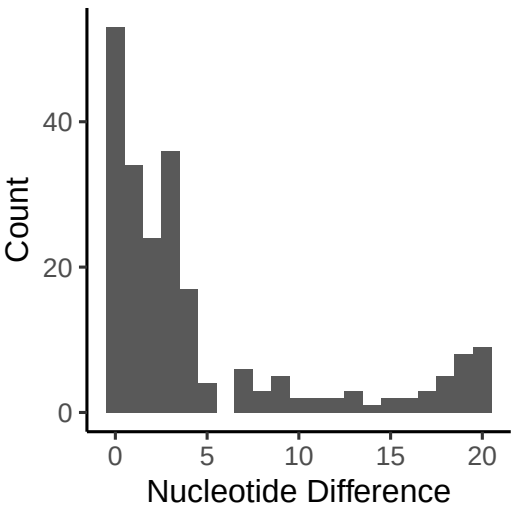
IGHV3−13*04

7 sequences assigned
2 (28.6%) exact matches, in which:
1 unique CDR3
1 unique J



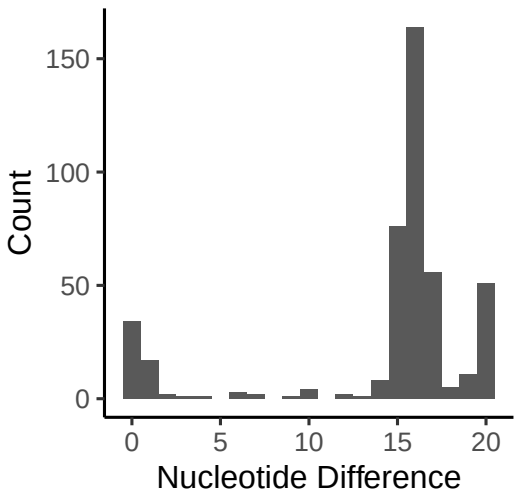
IGHV3−9*01

334 sequences assigned
53 (15.9%) exact matches, in which:
33 unique CDR3
4 unique J



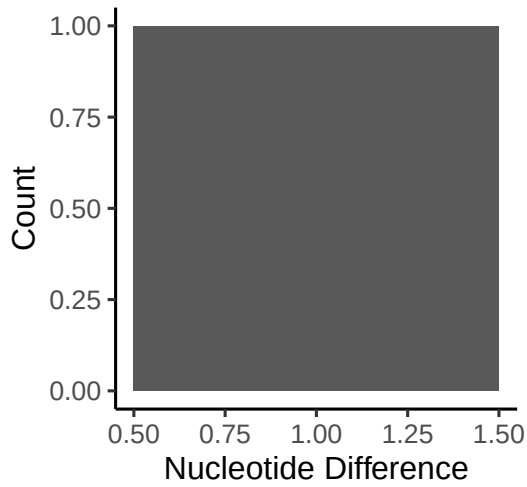
IGHV3−11*03_05

631 sequences assigned
34 (5.4%) exact matches, in which:
22 unique CDR3
5 unique J



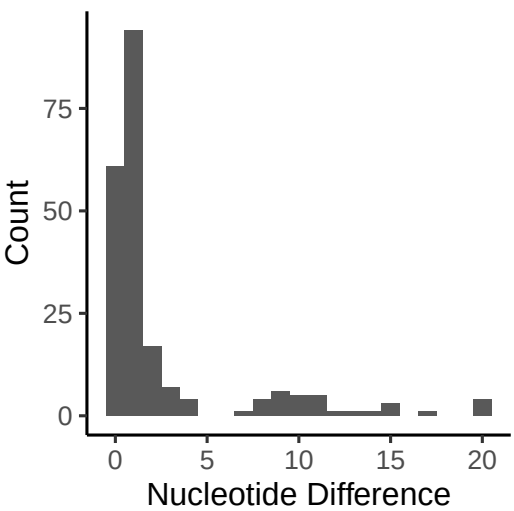
IGHV3−13*05

1 sequences assigned
No exact matches.



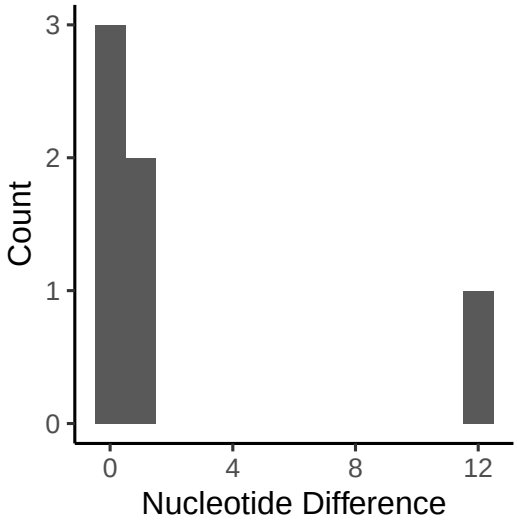
IGHV3−11*01

431 sequences assigned
61 (14.2%) exact matches, in which:
38 unique CDR3
3 unique J



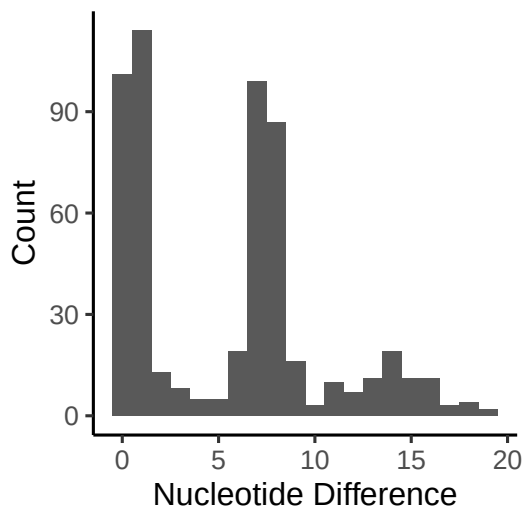
IGHV3−13*01

6 sequences assigned
3 (50%) exact matches, in which:
1 unique CDR3
1 unique J



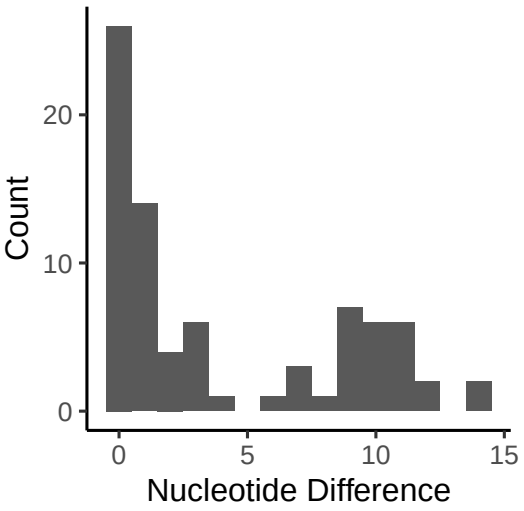
IGHV3−15*01_02

774 sequences assigned
101 (13%) exact matches, in which:
57 unique CDR3
5 unique J



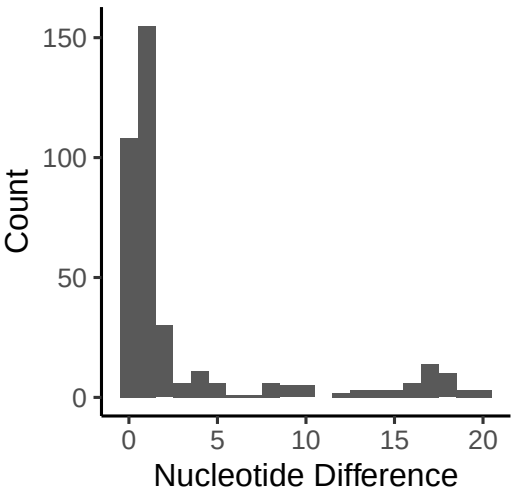
IGHV3−20*03_04

82 sequences assigned
26 (31.7%) exact matches, in which:
15 unique CDR3
3 unique J



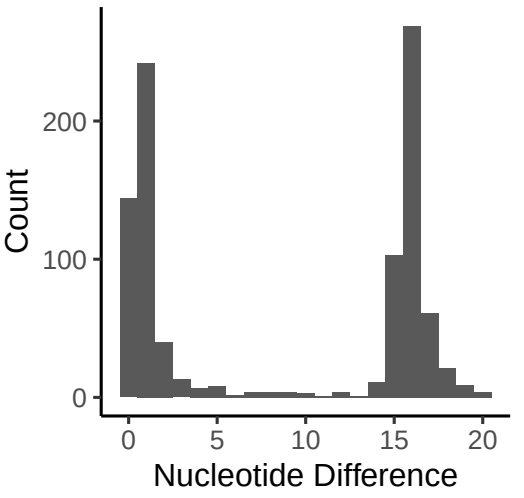
IGHV3−30*01

401 sequences assigned
108 (26.9%) exact matches, in which:
57 unique CDR3
4 unique J



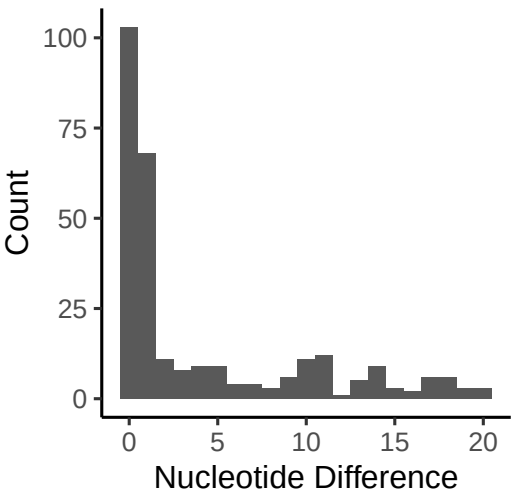
IGHV3−30*18

967 sequences assigned
144 (14.9%) exact matches, in which:
84 unique CDR3
4 unique J



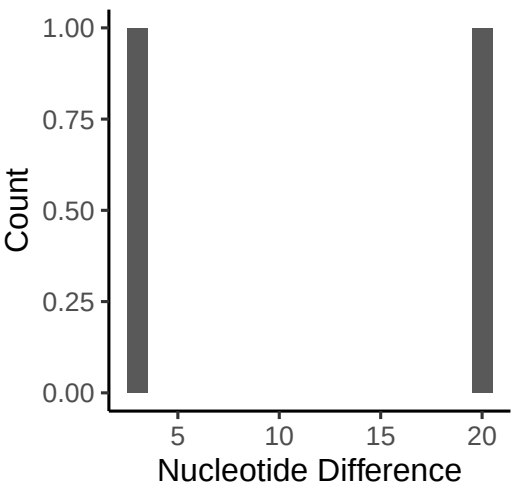
IGHV3−21*01_02

301 sequences assigned
103 (34.2%) exact matches, in which:
63 unique CDR3
5 unique J



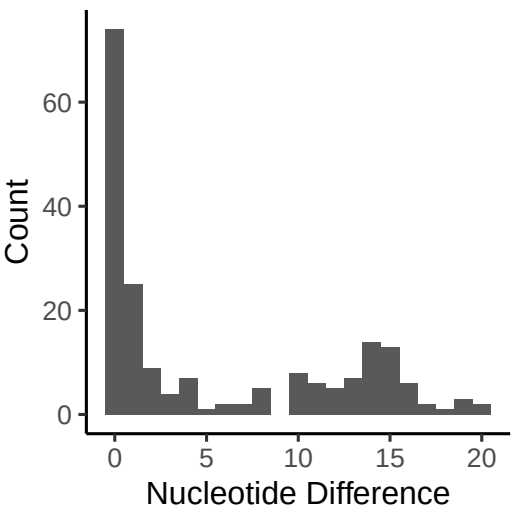
IGHV3−30−3*01

8 sequences assigned
No exact matches.



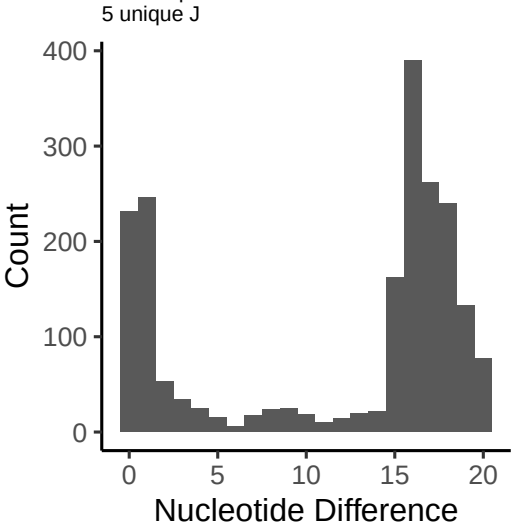
IGHV3−33*01

331 sequences assigned
74 (22.4%) exact matches, in which:
52 unique CDR3
5 unique J



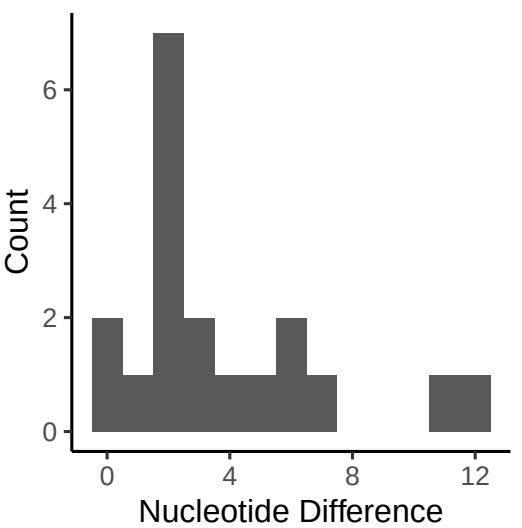
IGHV3−23*01_04

2881 sequences assigned
231 (8%) exact matches, in which:
133 unique CDR3
5 unique J



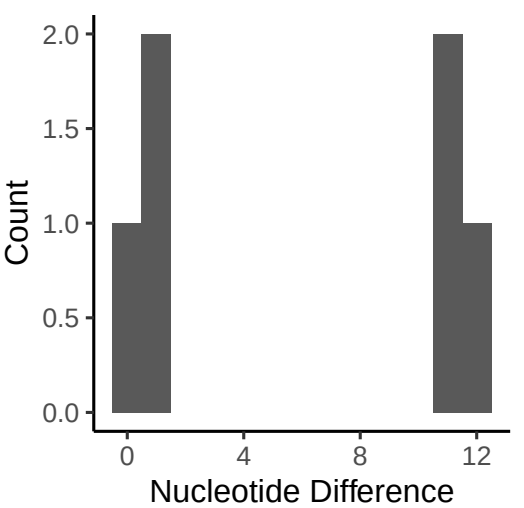
IGHV3−30*07

29 sequences assigned
2 (6.9%) exact matches, in which:
2 unique CDR3
1 unique J



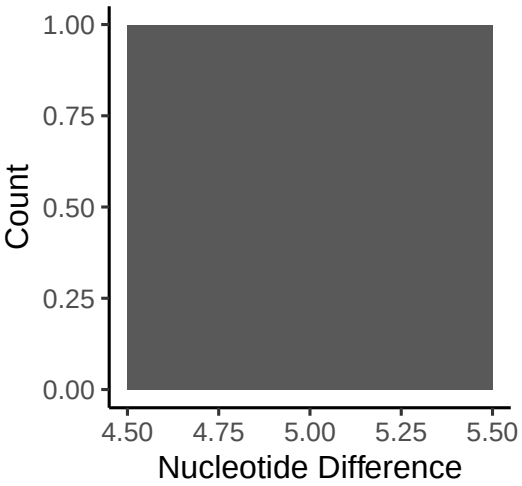
IGHV3−43*01

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



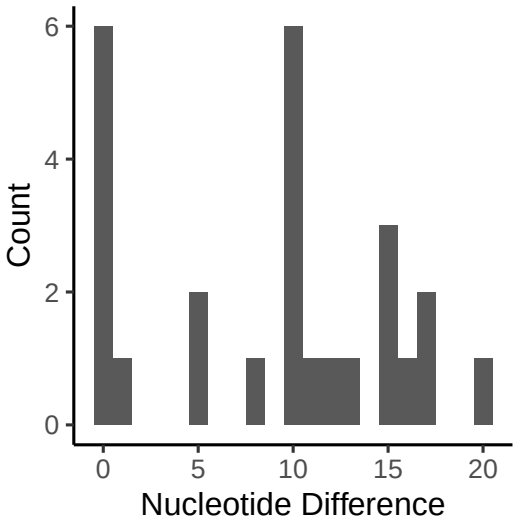
IGHV3−43*02

1 sequences assigned
No exact matches.



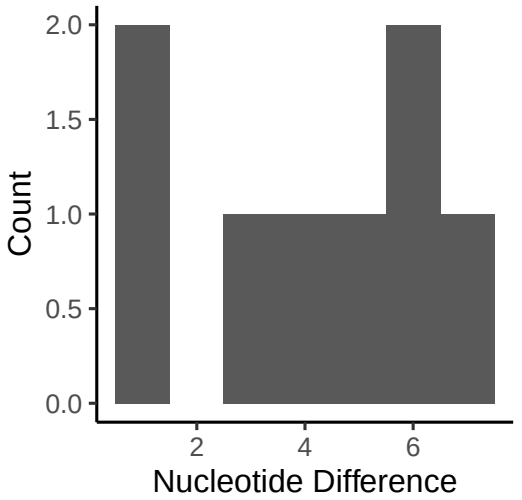
IGHV3−49*04

209 sequences assigned
6 (2.9%) exact matches, in which:
3 unique CDR3
2 unique J



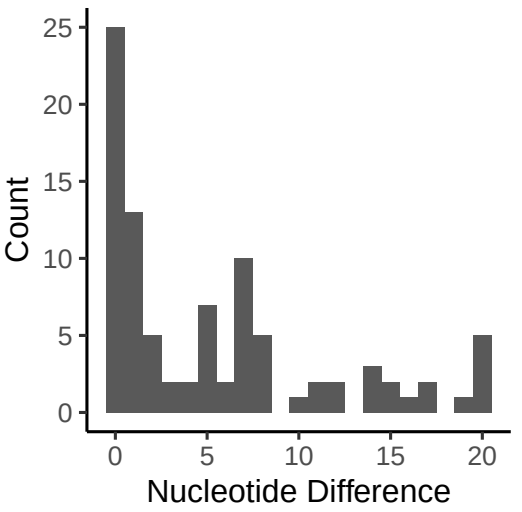
IGHV3−64*04

8 sequences assigned
No exact matches.



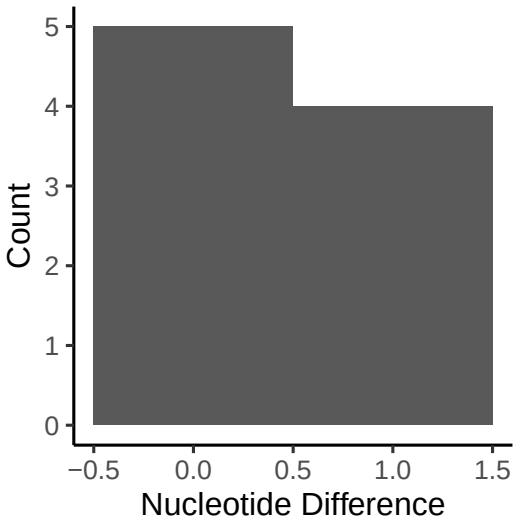
IGHV3−48*02

207 sequences assigned
25 (12.1%) exact matches, in which:
18 unique CDR3
4 unique J



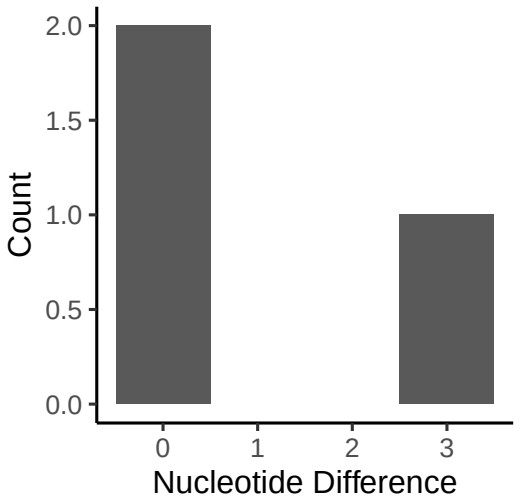
IGHV3−49*03_05

10 sequences assigned
5 (50%) exact matches, in which:
3 unique CDR3
2 unique J



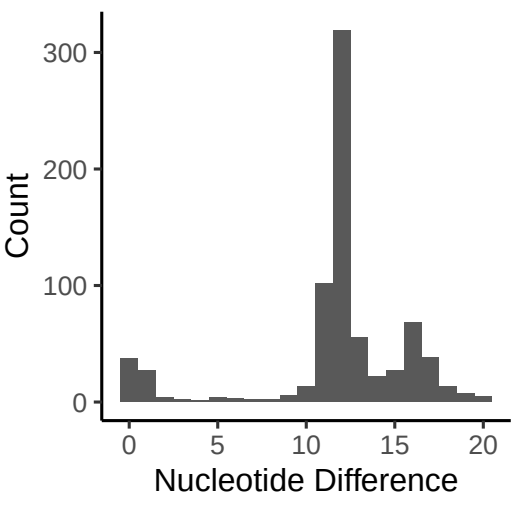
IGHV3−64*02_07

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



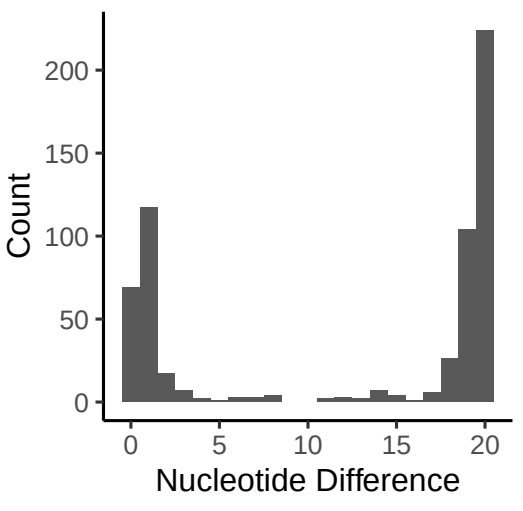
IGHV3−48*03

802 sequences assigned
37 (4.6%) exact matches, in which:
24 unique CDR3
4 unique J



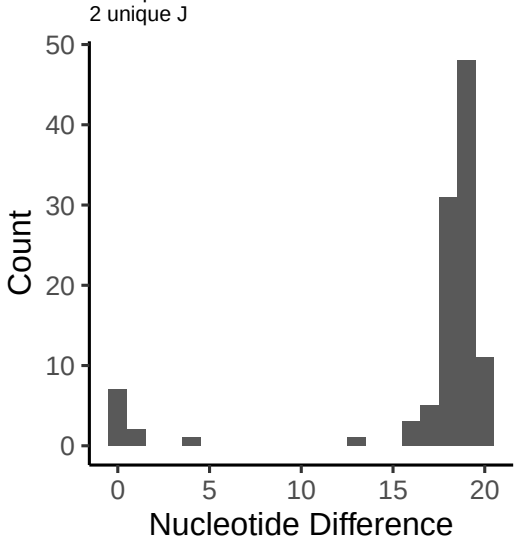
IGHV3−53*01_02

2514 sequences assigned
69 (2.7%) exact matches, in which:
38 unique CDR3
3 unique J



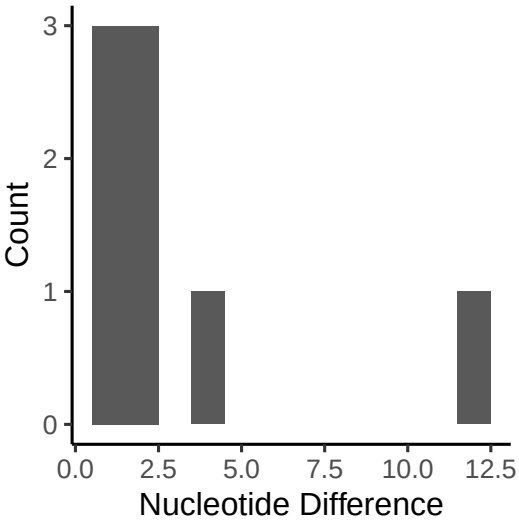
IGHV3−66*01

124 sequences assigned
7 (5.6%) exact matches, in which:
5 unique CDR3
2 unique J



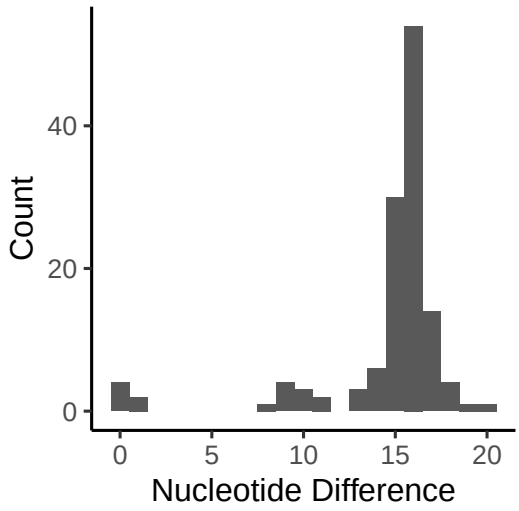
IGHV3−66*03

8 sequences assigned
No exact matches.



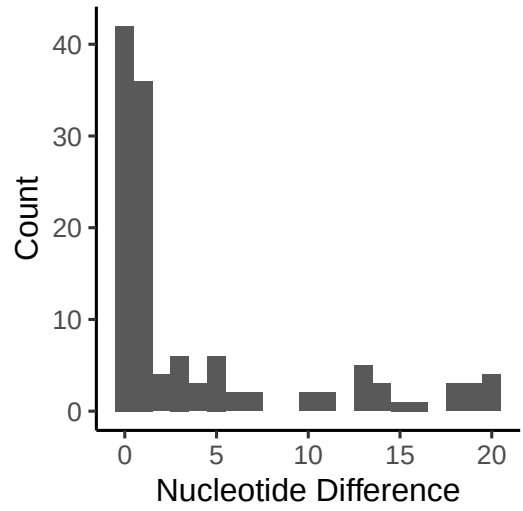
IGHV3−72*01

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



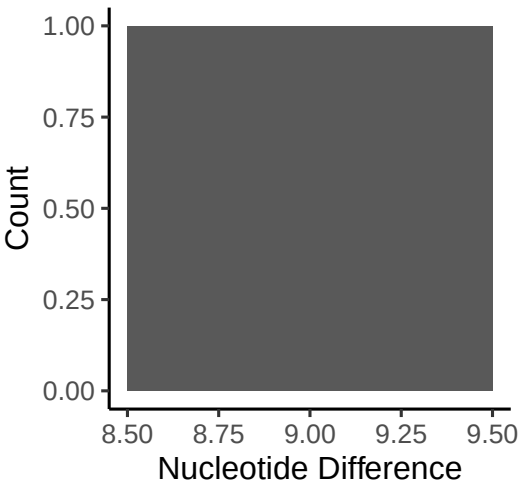
IGHV3−74*01_02

136 sequences assigned
42 (30.9%) exact matches, in which:
28 unique CDR3
6 unique J



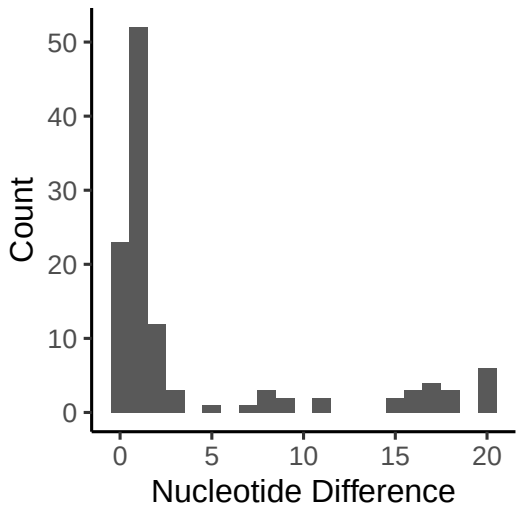
IGHV3−66*04

2 sequences assigned
No exact matches.



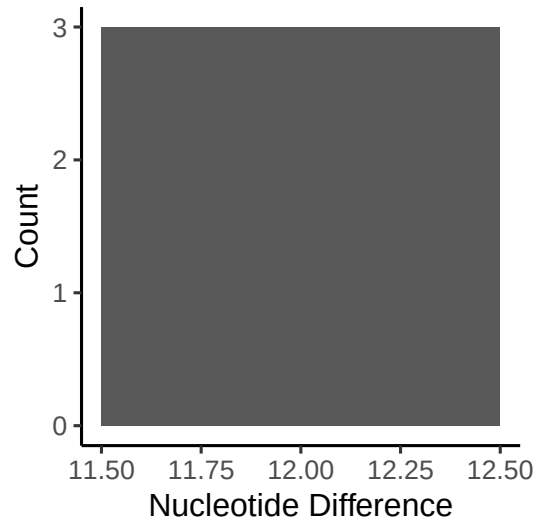
IGHV3−73*01_02

141 sequences assigned
23 (16.3%) exact matches, in which:
13 unique CDR3
2 unique J



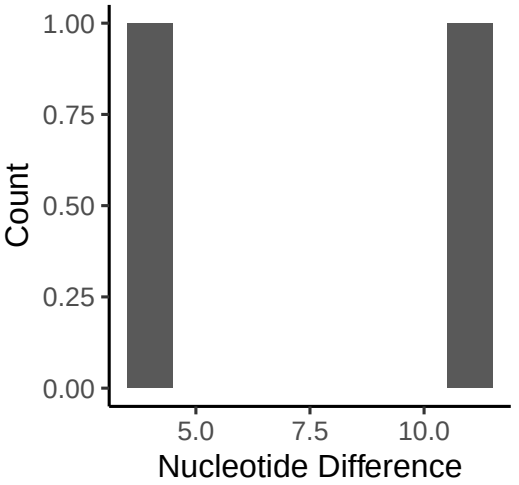
IGHV3−43D*04

3 sequences assigned
No exact matches.



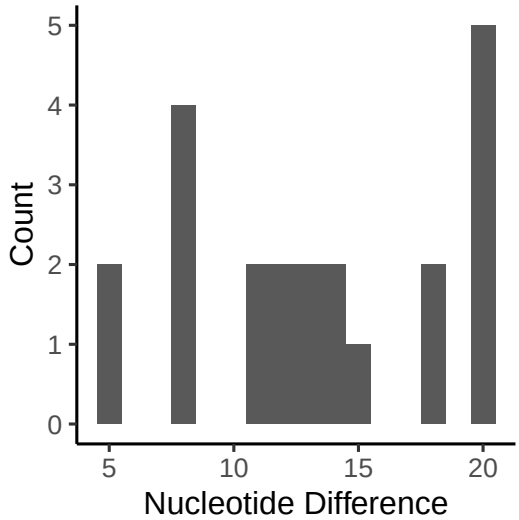
IGHV3−69−1*01

2 sequences assigned
No exact matches.



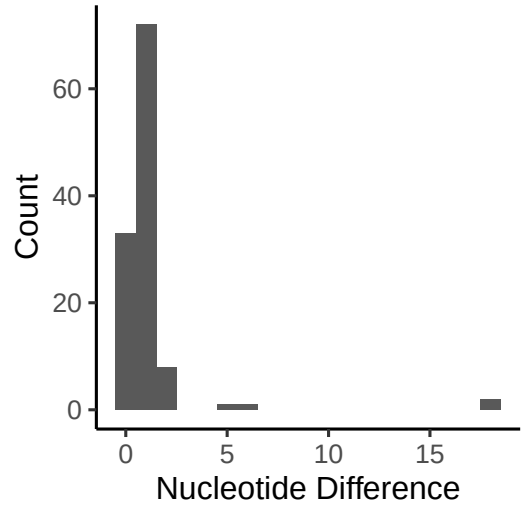
IGHV3−74*03

79 sequences assigned
No exact matches.



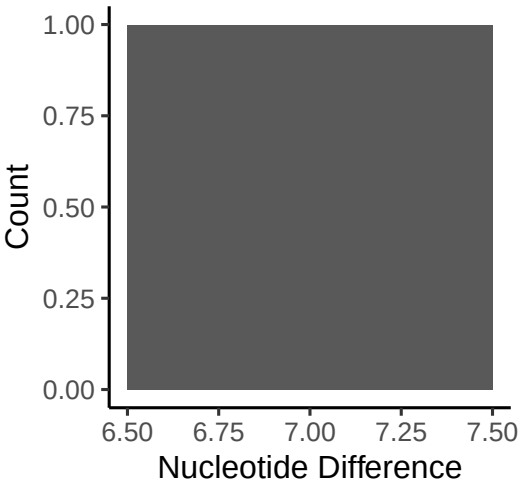
IGHV3−64D*06

120 sequences assigned
33 (27.5%) exact matches, in which:
15 unique CDR3
2 unique J



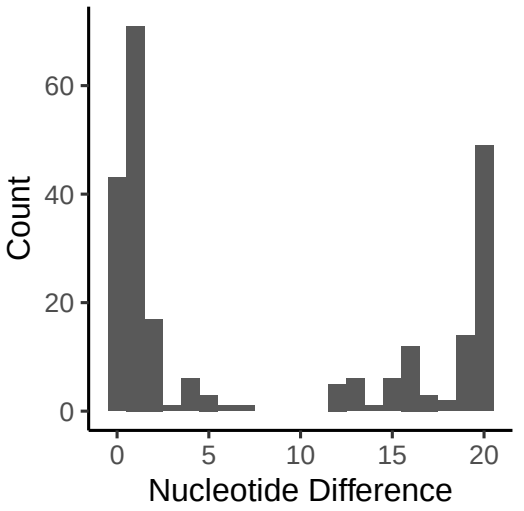
IGHV3−64D*08

1 sequences assigned
No exact matches.



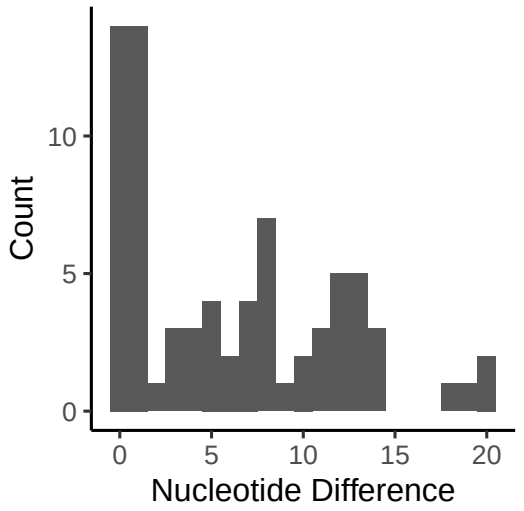
IGHV4−4*02_03

414 sequences assigned
43 (10.4%) exact matches, in which:
26 unique CDR3
3 unique J



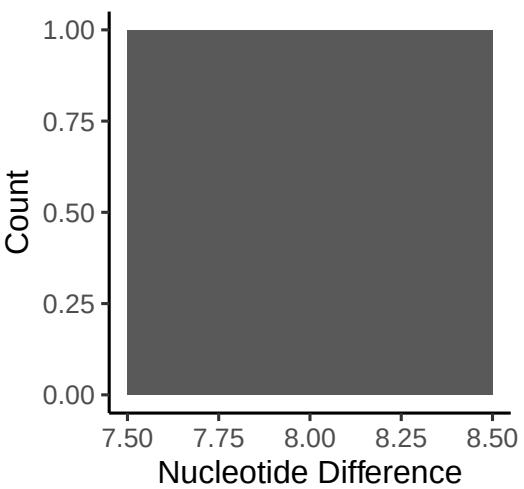
IGHV4−31*02

85 sequences assigned
14 (16.5%) exact matches, in which:
9 unique CDR3
3 unique J



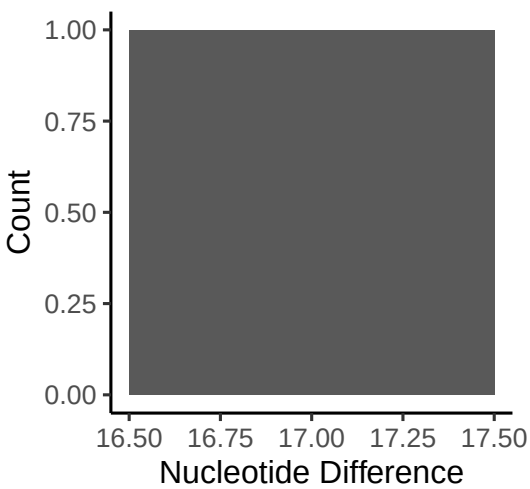
IGHV3−NL1*01

3 sequences assigned
No exact matches.



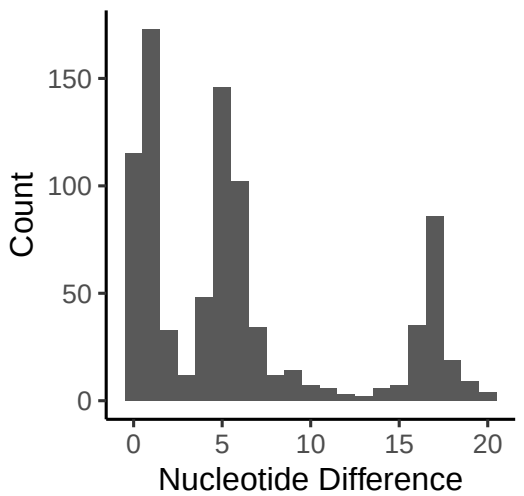
IGHV4−30−2*03

2 sequences assigned
No exact matches.



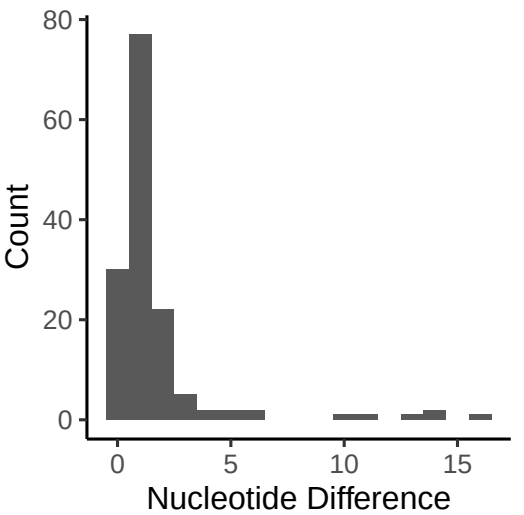
IGHV4−34*01_02

910 sequences assigned
115 (12.6%) exact matches, in which:
81 unique CDR3
6 unique J



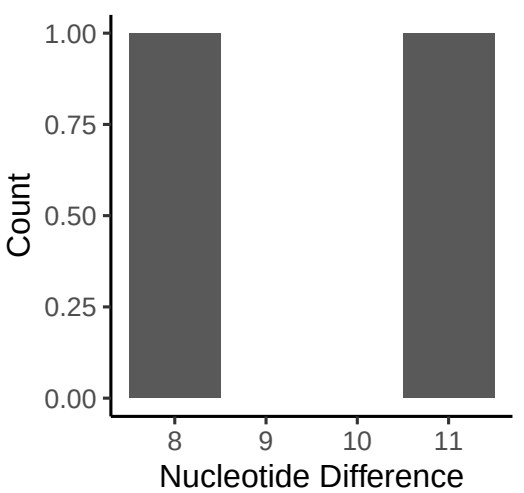
IGHV4−4*07

166 sequences assigned
30 (18.1%) exact matches, in which:
26 unique CDR3
5 unique J



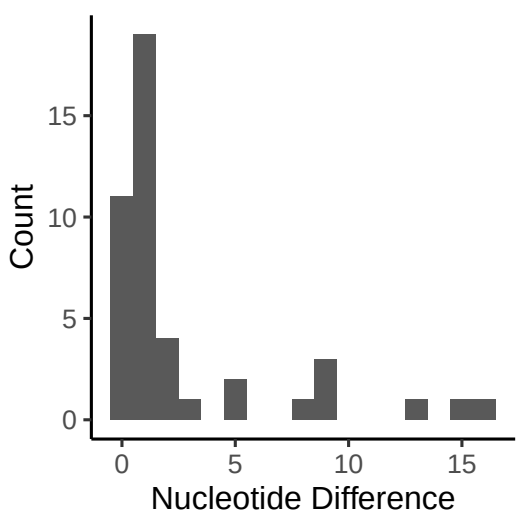
IGHV4−30−4*08

3 sequences assigned
No exact matches.



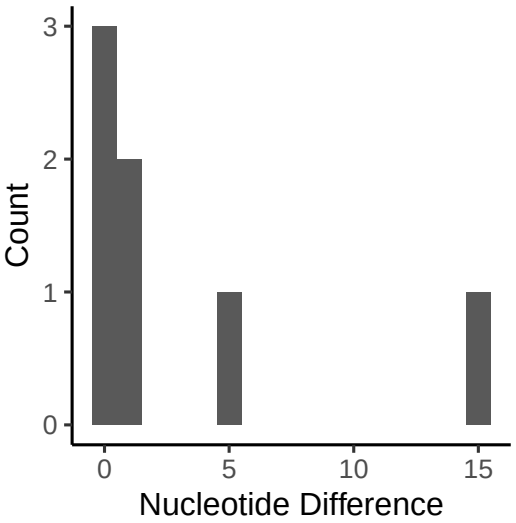
IGHV4−38−2*01

45 sequences assigned
11 (24.4%) exact matches, in which:
11 unique CDR3
3 unique J



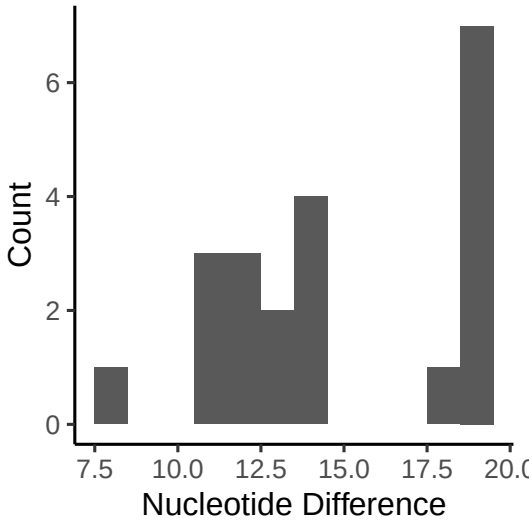
IGHV4−38−2*02

11 sequences assigned
3 (27.3%) exact matches, in which:
3 unique CDR3
2 unique J



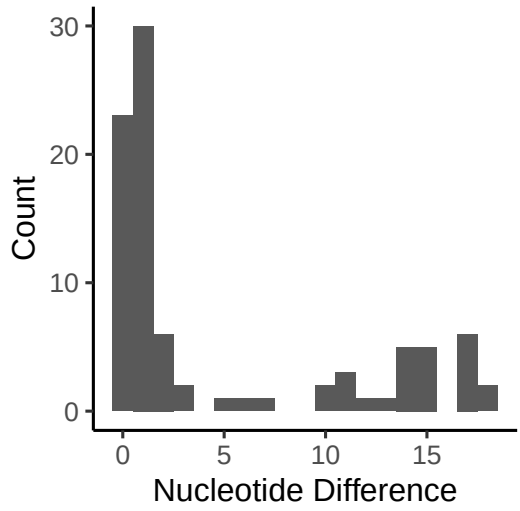
IGHV4−59*11

24 sequences assigned
No exact matches.



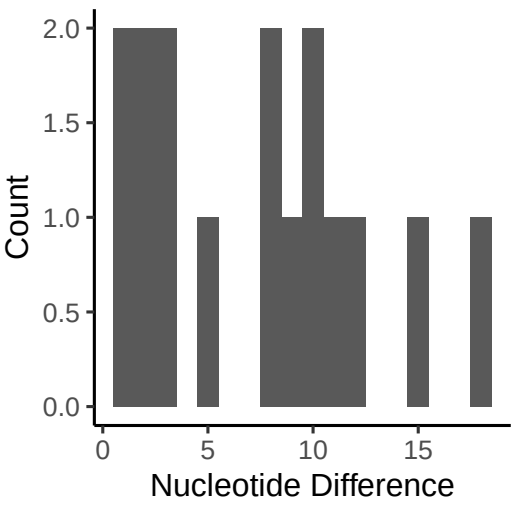
IGHV4−61*01

91 sequences assigned
23 (25.3%) exact matches, in which:
20 unique CDR3
4 unique J



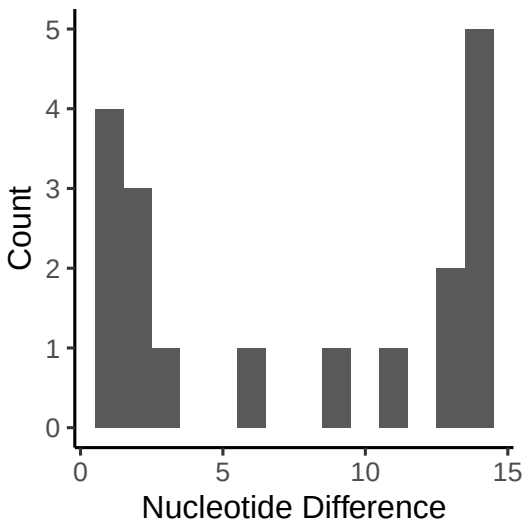
IGHV4−39*07

17 sequences assigned
No exact matches.



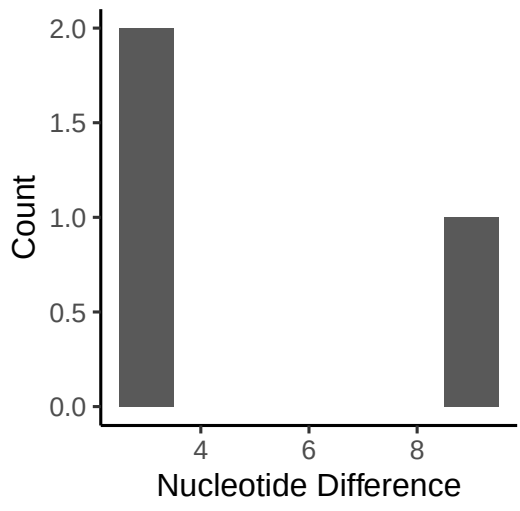
IGHV4−59*12

24 sequences assigned
No exact matches.



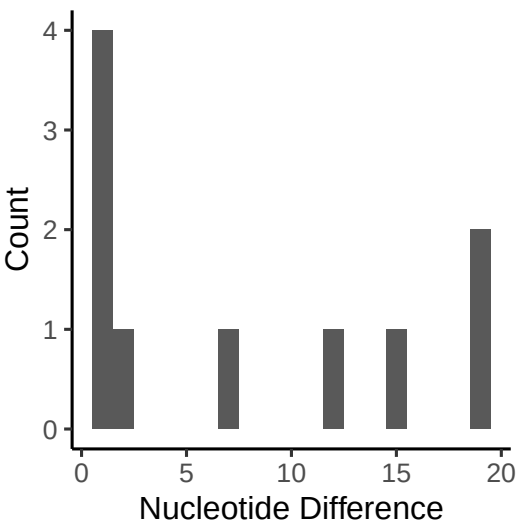
IGHV4−61*02

5 sequences assigned
No exact matches.



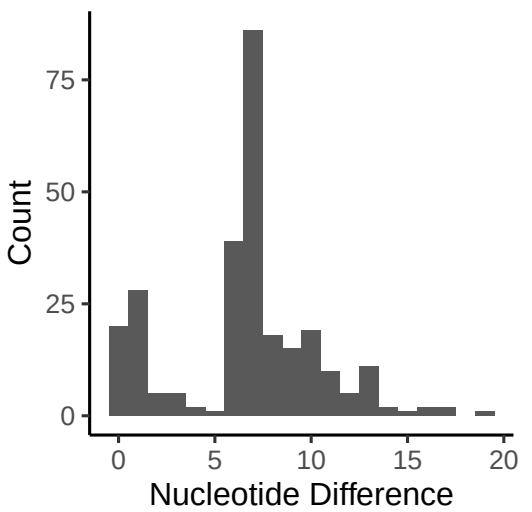
IGHV4−59*08

11 sequences assigned
No exact matches.



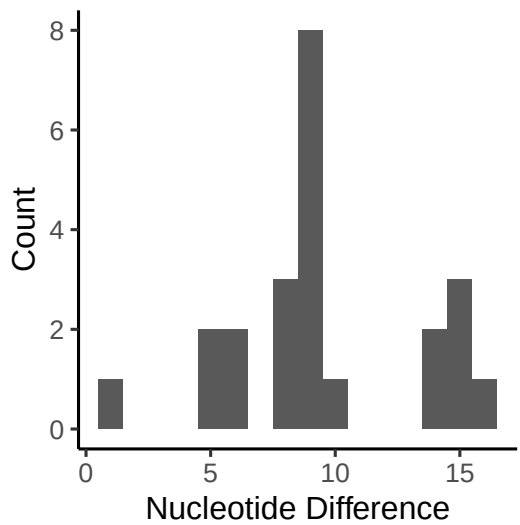
IGHV4−59*01_07

308 sequences assigned
20 (6.5%) exact matches, in which:
17 unique CDR3
3 unique J



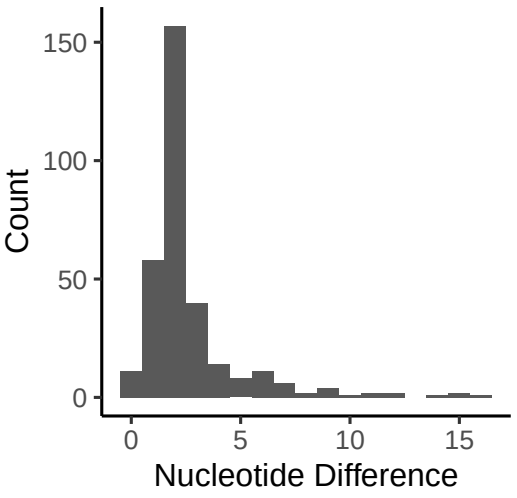
IGHV4−61*08

31 sequences assigned
No exact matches.



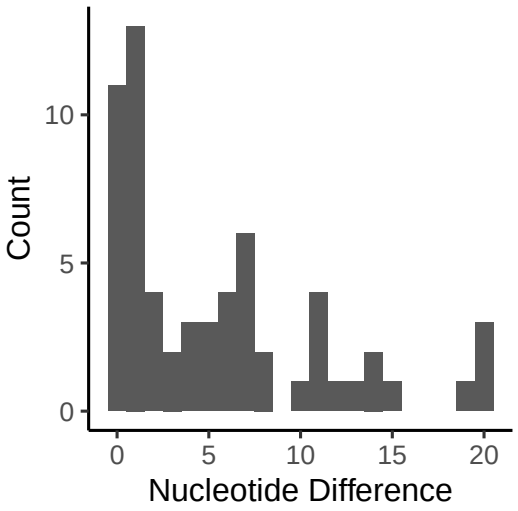
IGHV5−10−1*01_03

328 sequences assigned
11 (3.4%) exact matches, in which:
8 unique CDR3
3 unique J



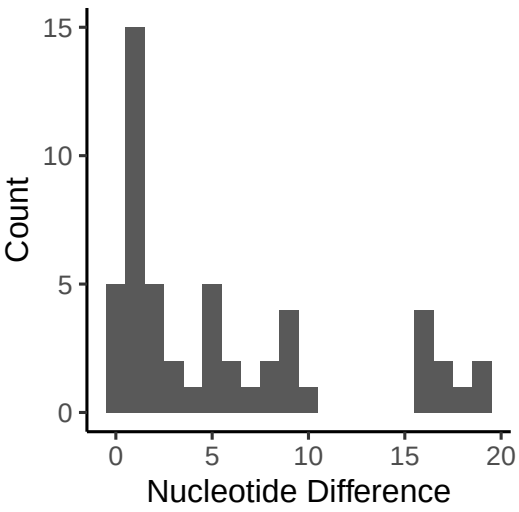
IGHV6−1*01_02

63 sequences assigned
11 (17.5%) exact matches, in which:
8 unique CDR3
5 unique J



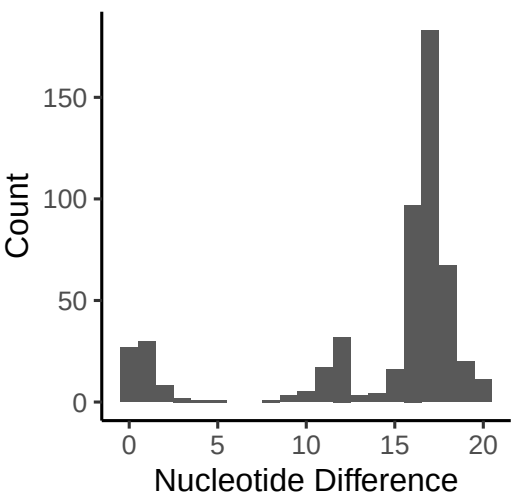
IGHV5−51*07

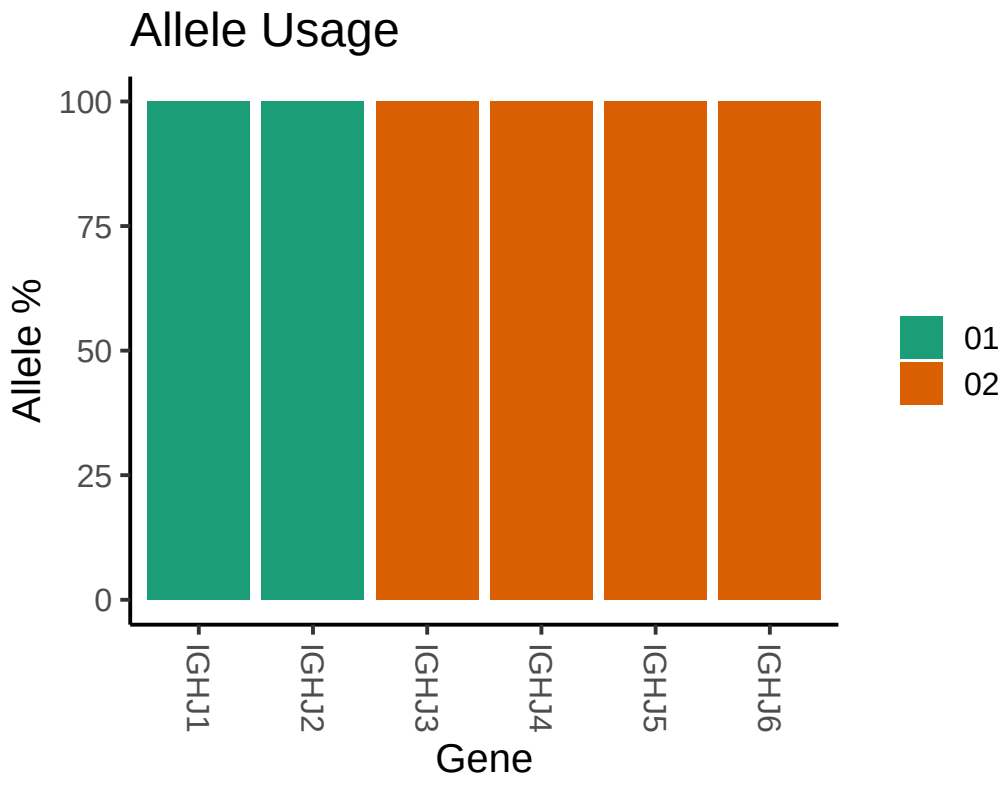
55 sequences assigned
5 (9.1%) exact matches, in which:
4 unique CDR3
2 unique J



IGHV5−51*01_03

559 sequences assigned
27 (4.8%) exact matches, in which:
17 unique CDR3
3 unique J




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

Warning − no inferred sequences found.