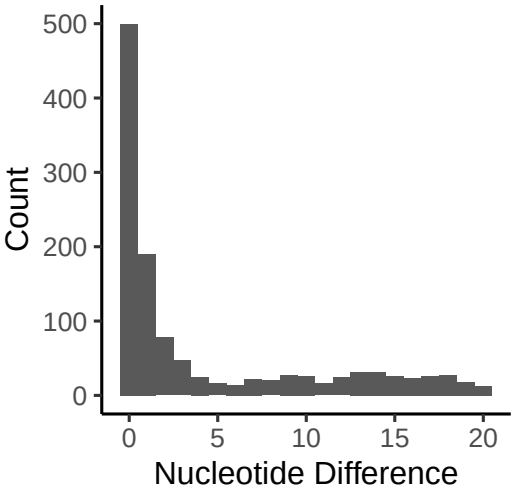
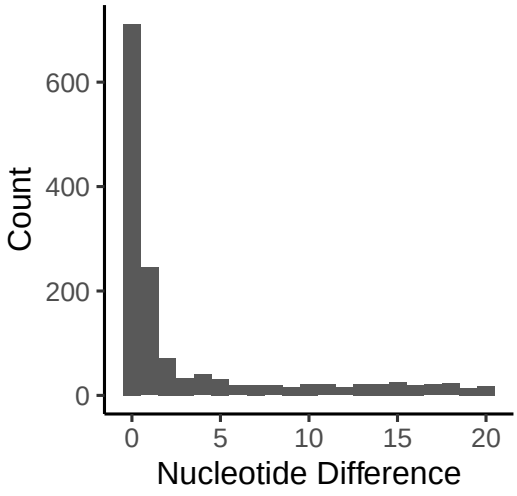
IGHV1−2*02

1408 sequences assigned
500 (35.5%) exact matches, in which:
498 unique CDR3
6 unique J



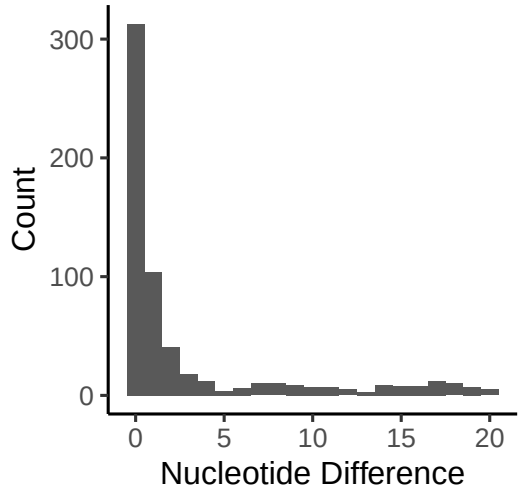
IGHV1−18*01

1621 sequences assigned
712 (43.9%) exact matches, in which:
709 unique CDR3
6 unique J



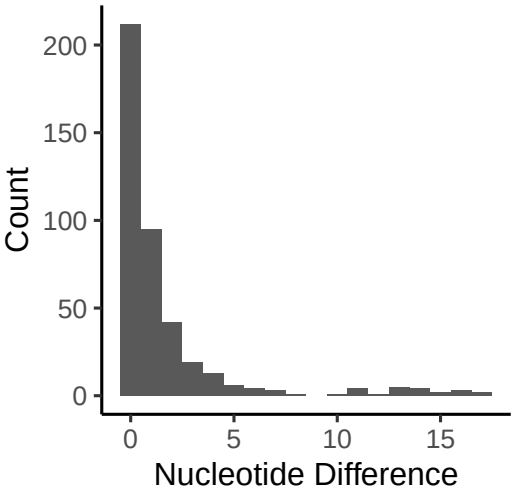
IGHV1−46*01

700 sequences assigned
313 (44.7%) exact matches, in which:
313 unique CDR3
6 unique J



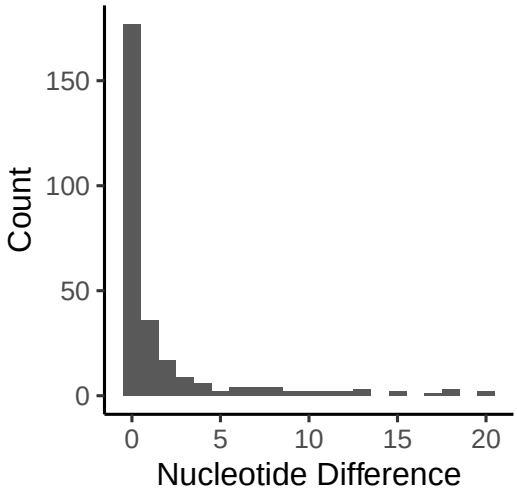
IGHV1−2*04

422 sequences assigned
212 (50.2%) exact matches, in which:
212 unique CDR3
6 unique J



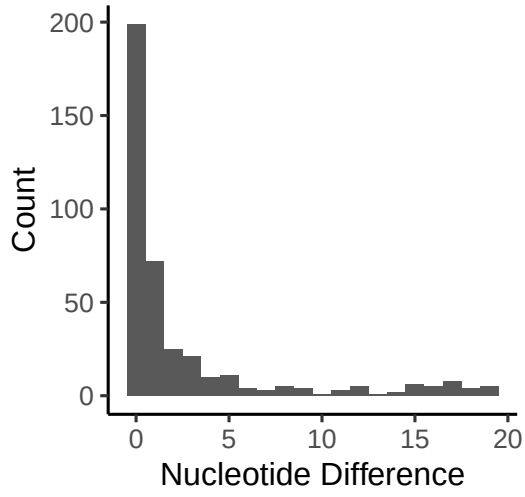
IGHV1−24*01

290 sequences assigned
177 (61%) exact matches, in which:
175 unique CDR3
6 unique J



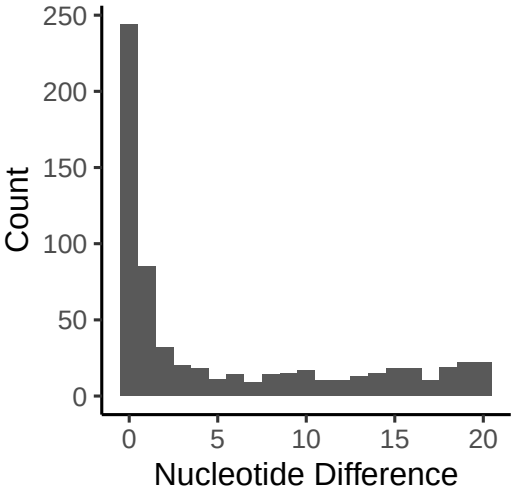
IGHV1−46*03

429 sequences assigned
199 (46.4%) exact matches, in which:
196 unique CDR3
5 unique J



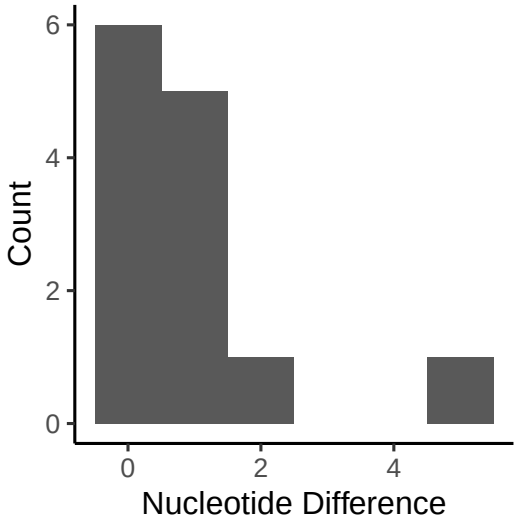
IGHV1−3*01

838 sequences assigned
244 (29.1%) exact matches, in which:
237 unique CDR3
5 unique J



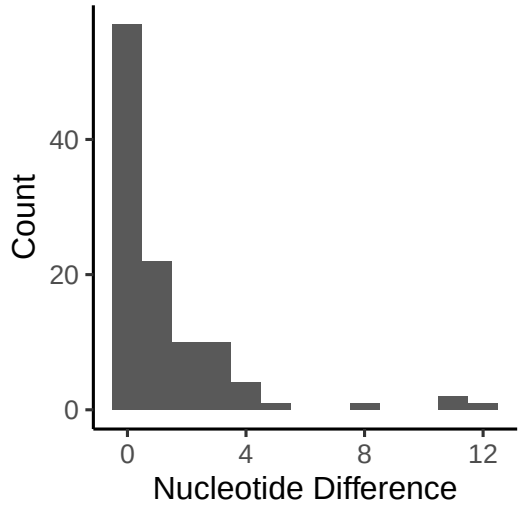
IGHV1−45*02

34 sequences assigned
6 (17.6%) exact matches, in which:
6 unique CDR3
4 unique J



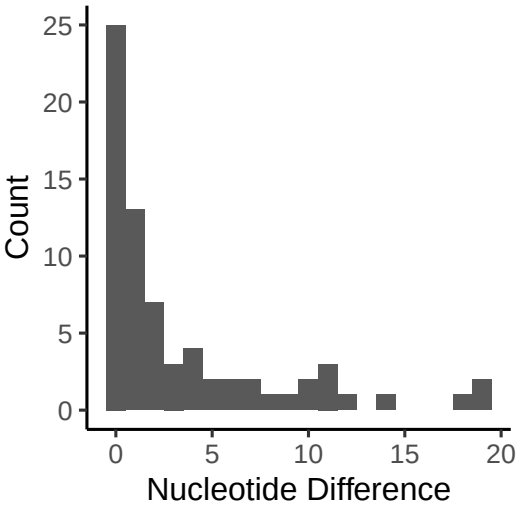
IGHV1−58*01

112 sequences assigned
57 (50.9%) exact matches, in which:
57 unique CDR3
4 unique J



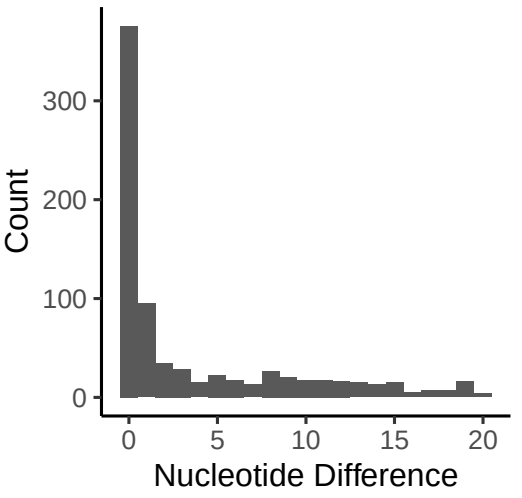
IGHV1−58*02

81 sequences assigned
25 (30.9%) exact matches, in which:
25 unique CDR3
5 unique J



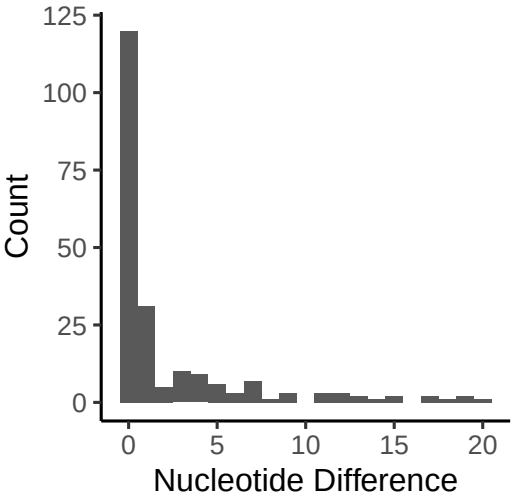
IGHV2−5*01

858 sequences assigned
376 (43.8%) exact matches, in which:
371 unique CDR3
6 unique J



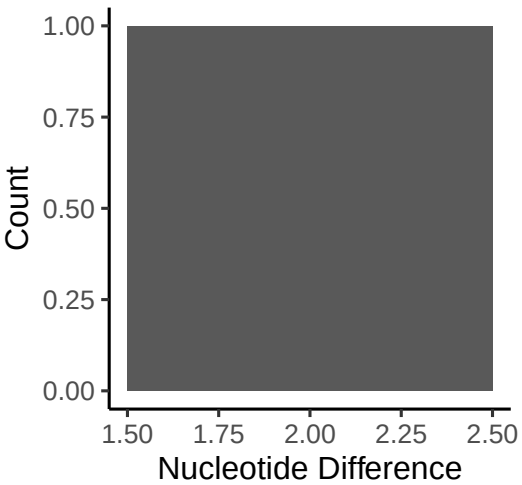
IGHV2−70*01

222 sequences assigned
120 (54.1%) exact matches, in which:
118 unique CDR3
5 unique J



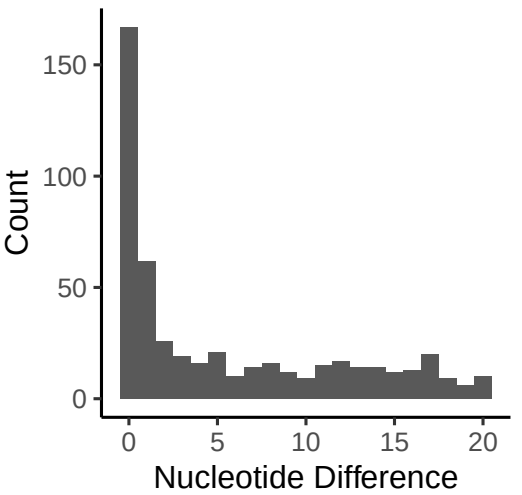
IGHV1−68*02

1 sequences assigned
No exact matches.



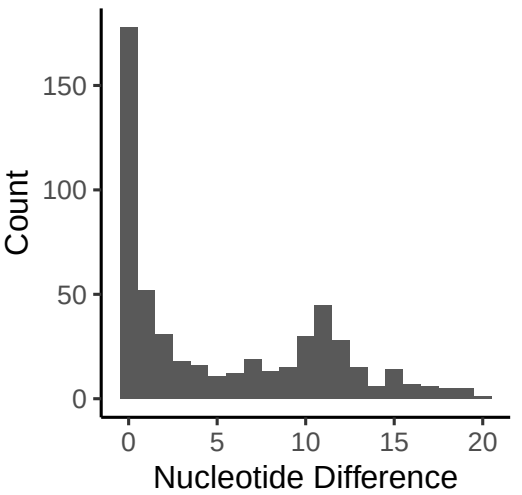
IGHV2−5*02

543 sequences assigned
167 (30.8%) exact matches, in which:
163 unique CDR3
6 unique J



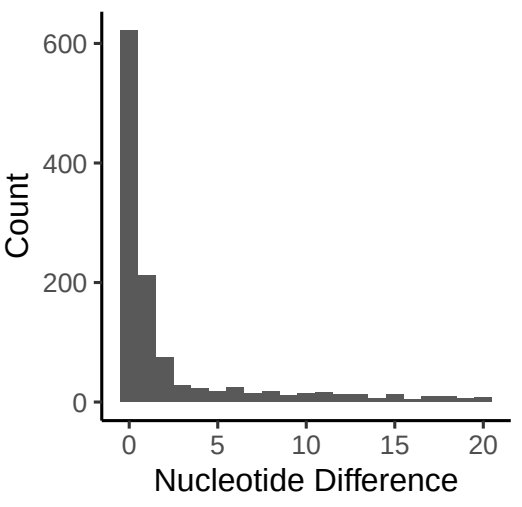
IGHV2−70*15

546 sequences assigned
178 (32.6%) exact matches, in which:
177 unique CDR3
6 unique J



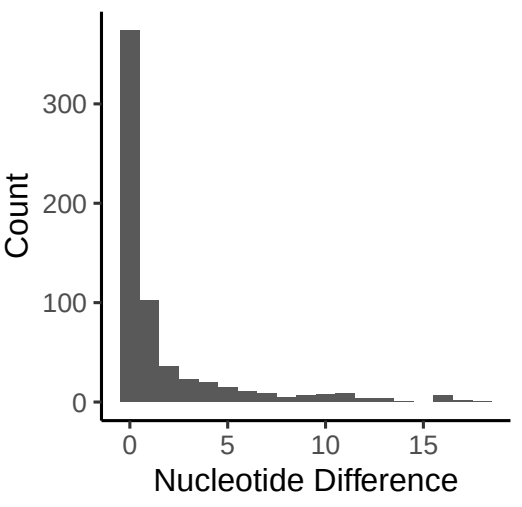
IGHV1−69*04

1226 sequences assigned
622 (50.7%) exact matches, in which:
617 unique CDR3
6 unique J



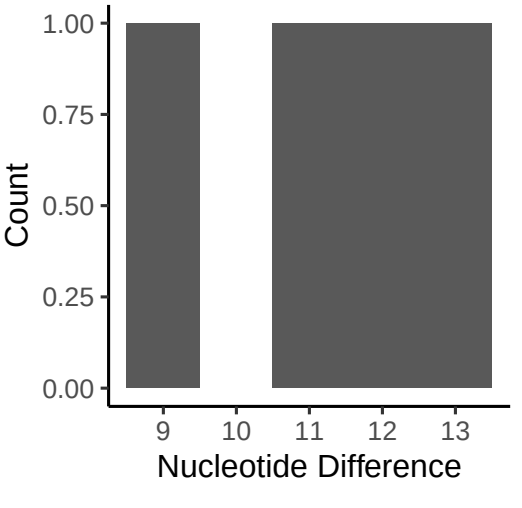
IGHV2−26*01

649 sequences assigned
374 (57.6%) exact matches, in which:
372 unique CDR3
6 unique J



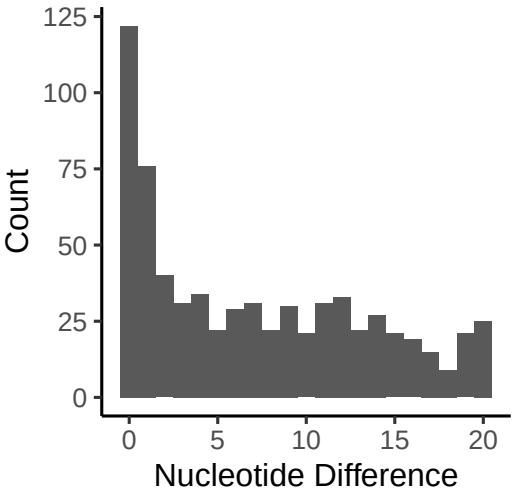
IGHV2−70D*04

4 sequences assigned
No exact matches.



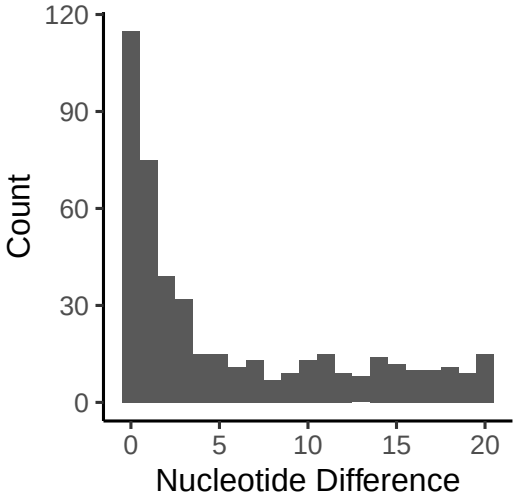
IGHV3−7*03

855 sequences assigned
122 (14.3%) exact matches, in which:
120 unique CDR3
5 unique J



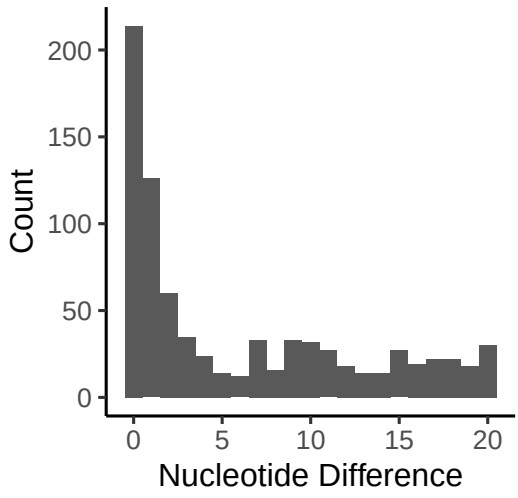
IGHV3−11*06

603 sequences assigned
115 (19.1%) exact matches, in which:
113 unique CDR3
6 unique J



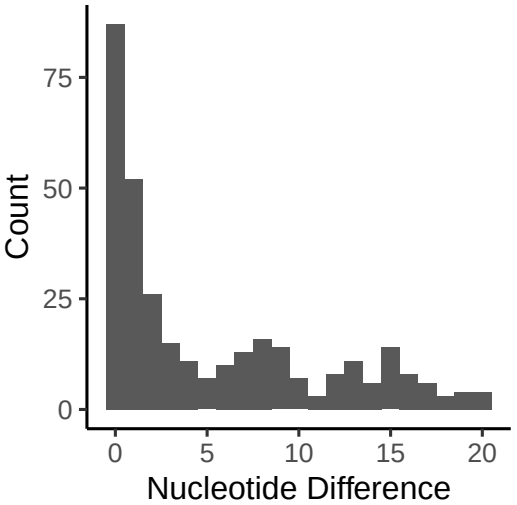
IGHV3−15*01

992 sequences assigned
214 (21.6%) exact matches, in which:
210 unique CDR3
6 unique J



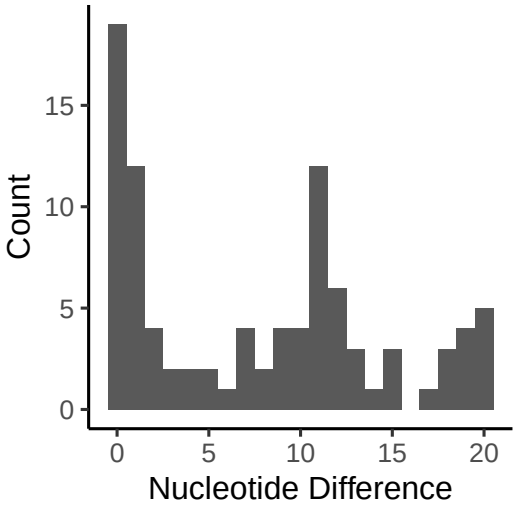
IGHV3−7*05

371 sequences assigned
87 (23.5%) exact matches, in which:
86 unique CDR3
5 unique J



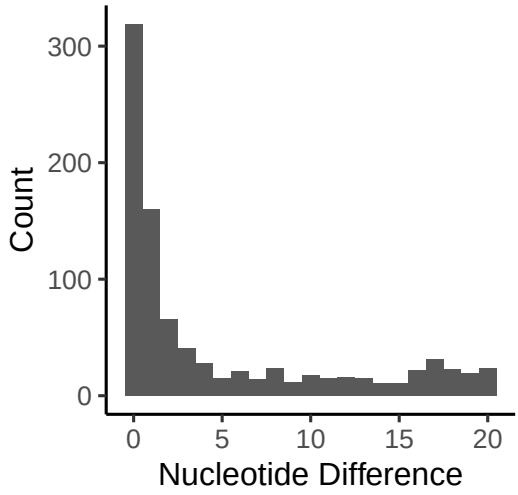
IGHV3−13*05

99 sequences assigned
19 (19.2%) exact matches, in which:
19 unique CDR3
5 unique J



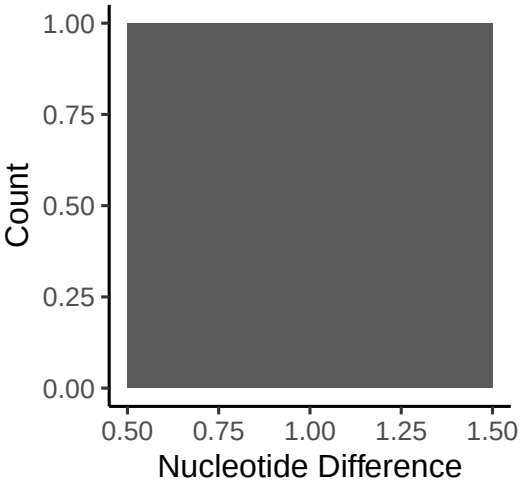
IGHV3−15*07

1090 sequences assigned
319 (29.3%) exact matches, in which:
316 unique CDR3
6 unique J



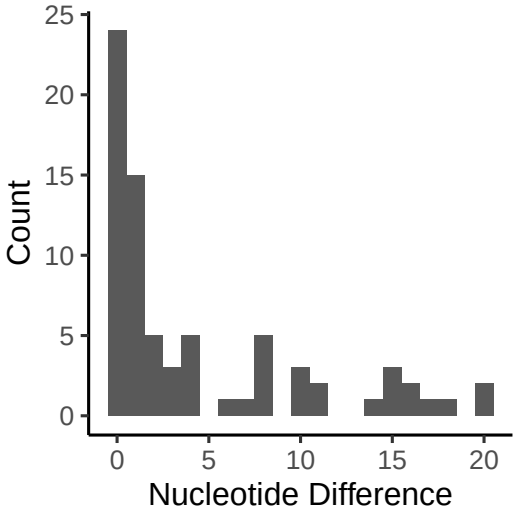
IGHV3−9*01

1 sequences assigned
No exact matches.



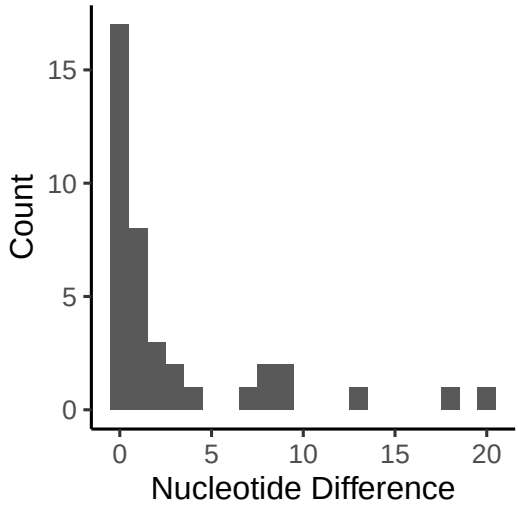
IGHV3−13*01_G290A_T3(

85 sequences assigned
24 (28.2%) exact matches, in which:
24 unique CDR3
5 unique J



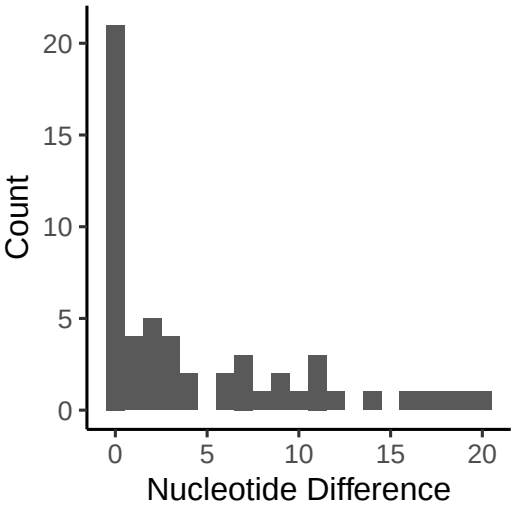
IGHV3−20*01

40 sequences assigned
17 (42.5%) exact matches, in which:
17 unique CDR3
3 unique J



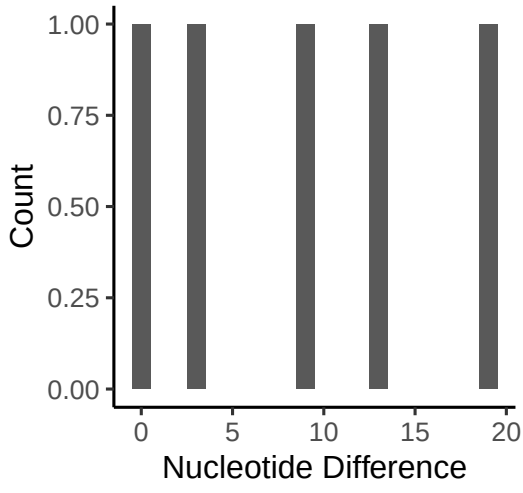
IGHV3−20*04

60 sequences assigned
21 (35%) exact matches, in which:
21 unique CDR3
3 unique J



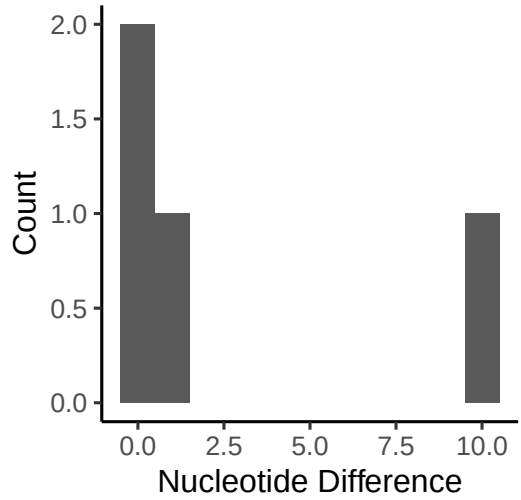
IGHV3−30−3*03

10 sequences assigned
1 (10%) exact matches, in which:
1 unique CDR3
1 unique J



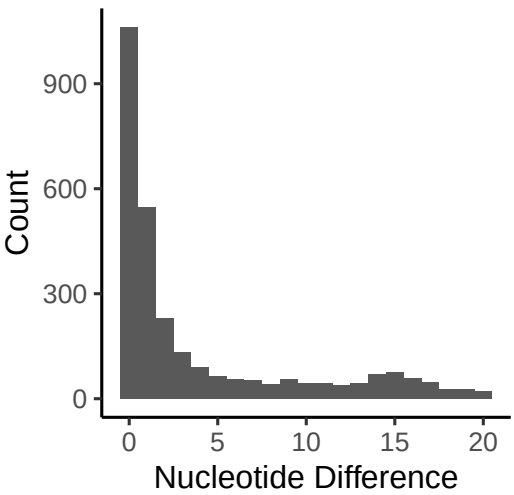
IGHV3−35*01

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



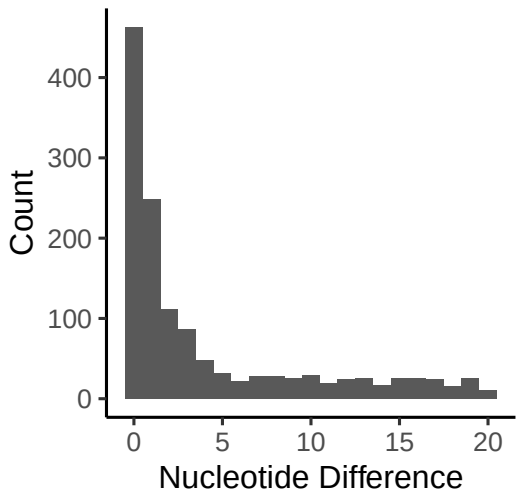
IGHV3−21*01

3066 sequences assigned
1062 (34.6%) exact matches, in which:
1042 unique CDR3
6 unique J



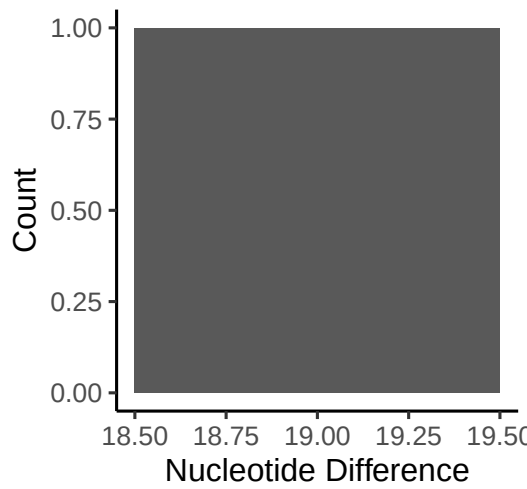
IGHV3−33*01

1540 sequences assigned
463 (30.1%) exact matches, in which:
463 unique CDR3
6 unique J



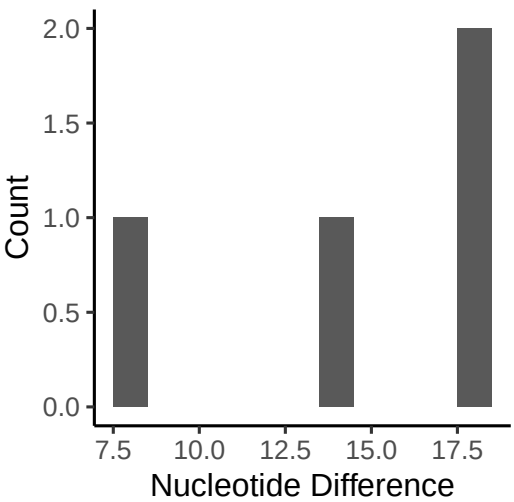
IGHV3−41*02

2 sequences assigned
No exact matches.



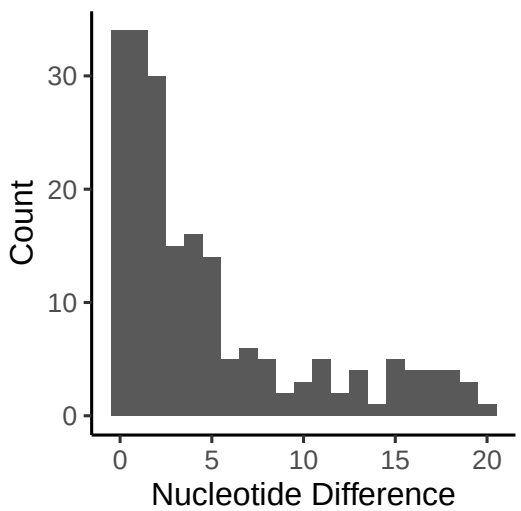
IGHV3−30−3*02

7 sequences assigned
No exact matches.



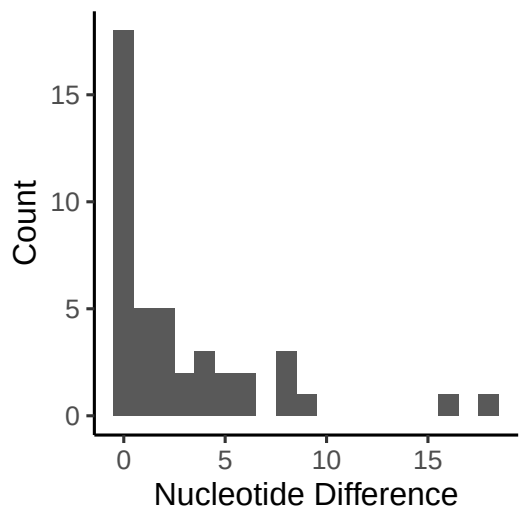
IGHV3−33*01_A119C

230 sequences assigned
34 (14.8%) exact matches, in which:
34 unique CDR3
6 unique J



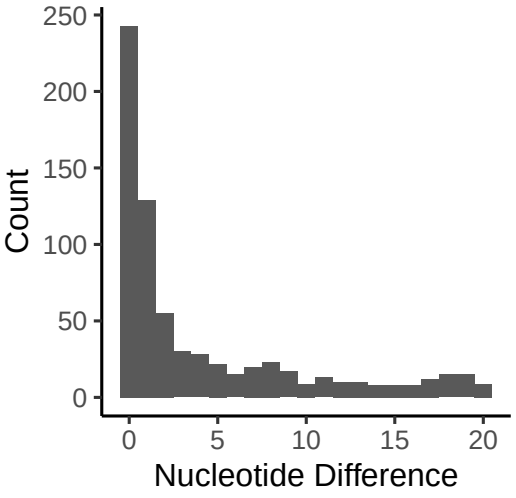
IGHV3−43*01

49 sequences assigned
18 (36.7%) exact matches, in which:
18 unique CDR3
3 unique J



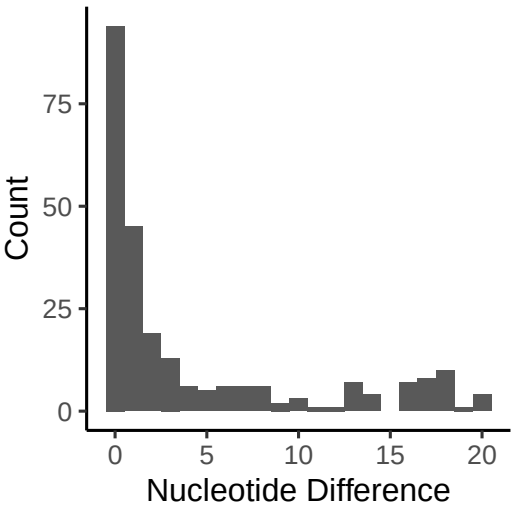
IGHV3−48*01

798 sequences assigned
243 (30.5%) exact matches, in which:
242 unique CDR3
5 unique J



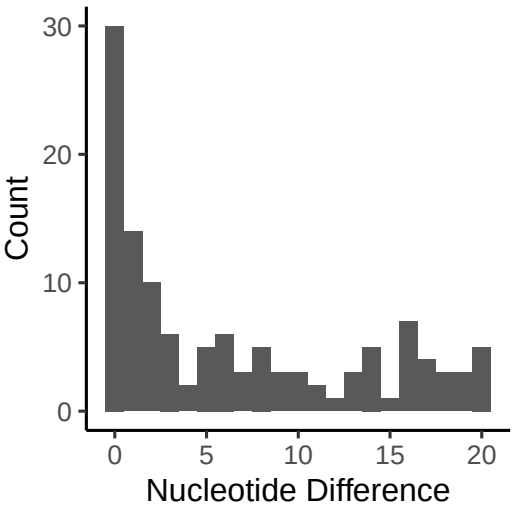
IGHV3−49*05

289 sequences assigned
94 (32.5%) exact matches, in which:
94 unique CDR3
6 unique J



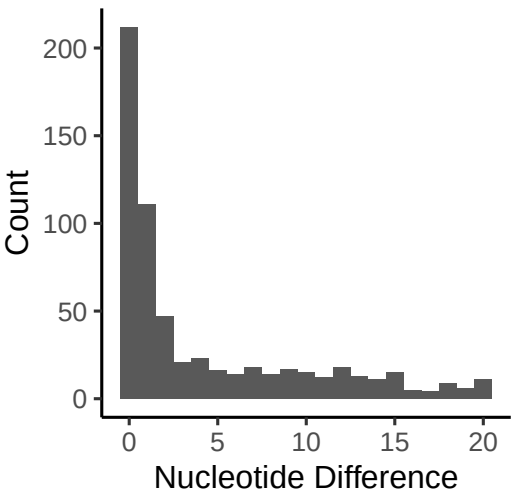
IGHV3−64*01

160 sequences assigned
30 (18.8%) exact matches, in which:
30 unique CDR3
5 unique J



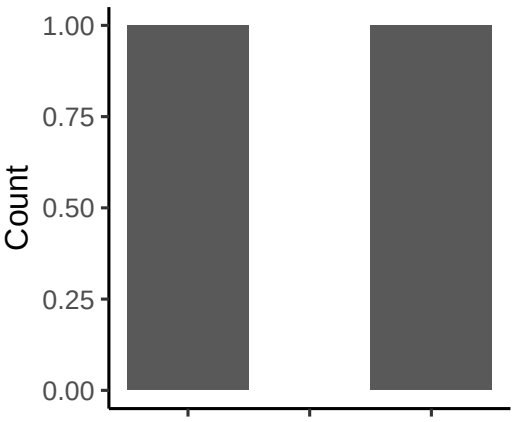
IGHV3−48*02

690 sequences assigned
212 (30.7%) exact matches, in which:
209 unique CDR3
6 unique J



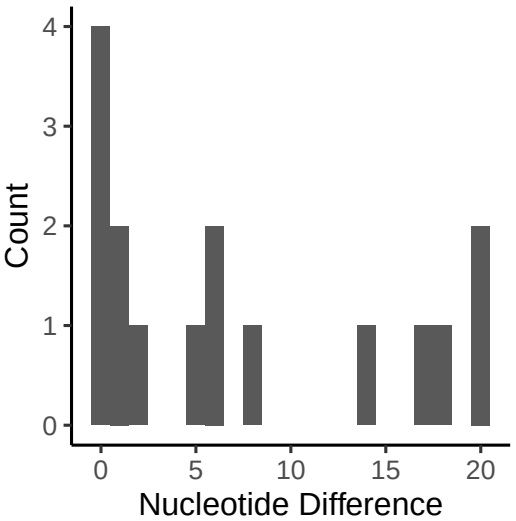
IGHV3−52*01

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



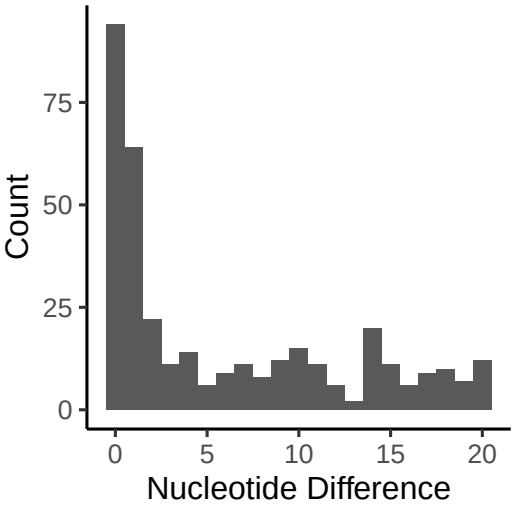
IGHV3−64*02

21 sequences assigned
4 (19%) exact matches, in which:
4 unique CDR3
2 unique J



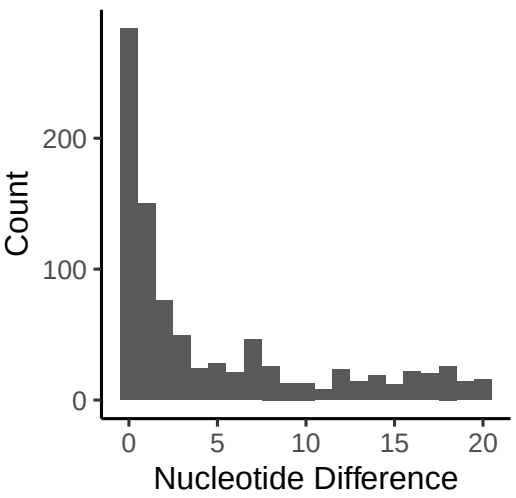
IGHV3−49*03

452 sequences assigned
94 (20.8%) exact matches, in which:
94 unique CDR3
6 unique J



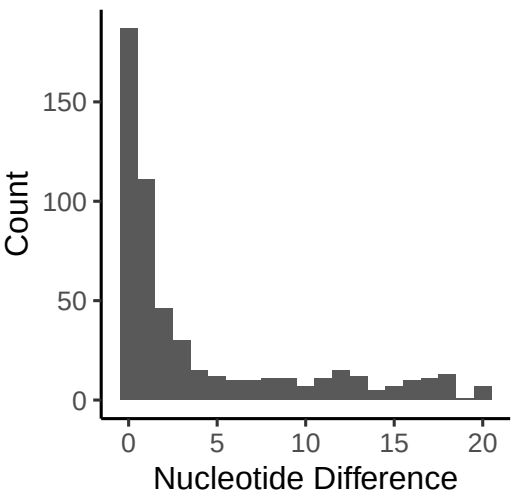
IGHV3−53*01

1046 sequences assigned
284 (27.2%) exact matches, in which:
282 unique CDR3
6 unique J



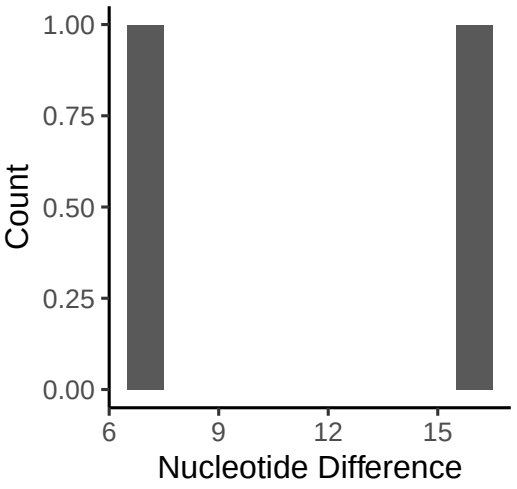
IGHV3−66*01

618 sequences assigned
187 (30.3%) exact matches, in which:
184 unique CDR3
6 unique J



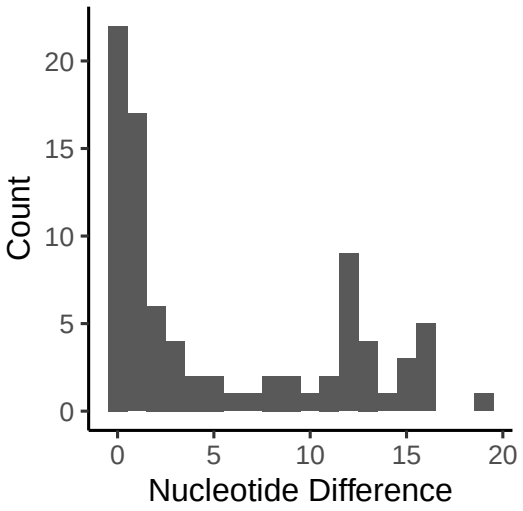
IGHV3−69−1*01

2 sequences assigned
No exact matches.



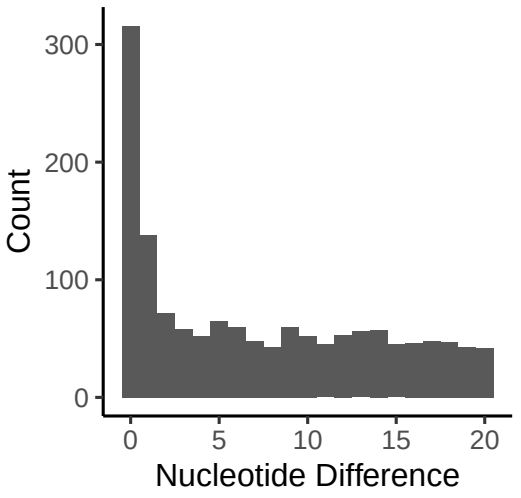
IGHV3−73*01

90 sequences assigned
22 (24.4%) exact matches, in which:
22 unique CDR3
4 unique J



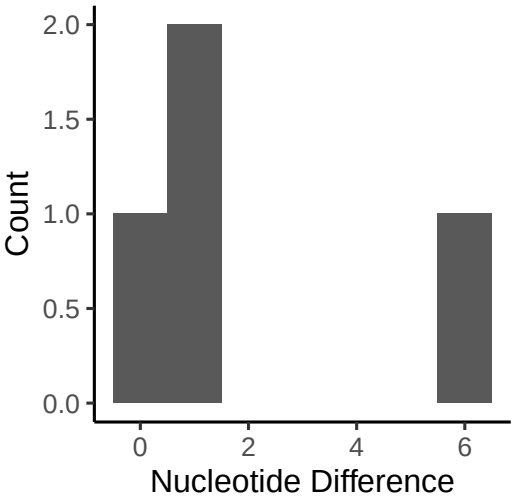
IGHV3−74*01

1787 sequences assigned
316 (17.7%) exact matches, in which:
311 unique CDR3
6 unique J



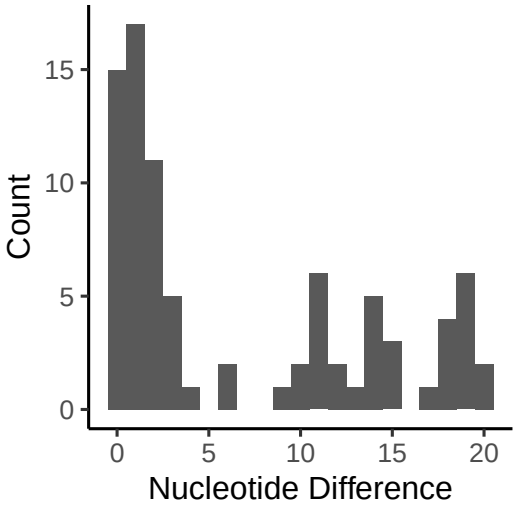
IGHV3−69−1*02

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



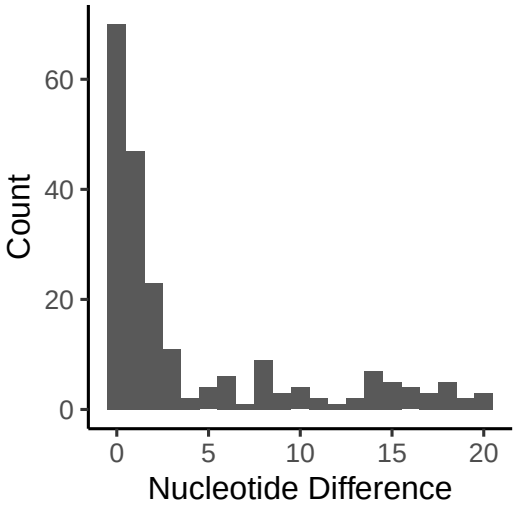
IGHV3−73*02

92 sequences assigned
15 (16.3%) exact matches, in which:
15 unique CDR3
4 unique J



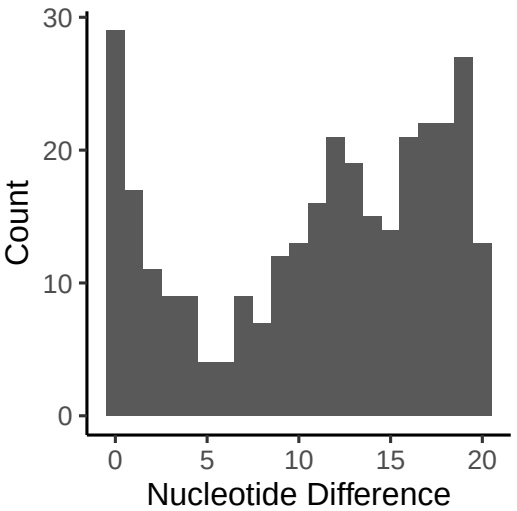
IGHV3−64D*06

245 sequences assigned
70 (28.6%) exact matches, in which:
69 unique CDR3
6 unique J



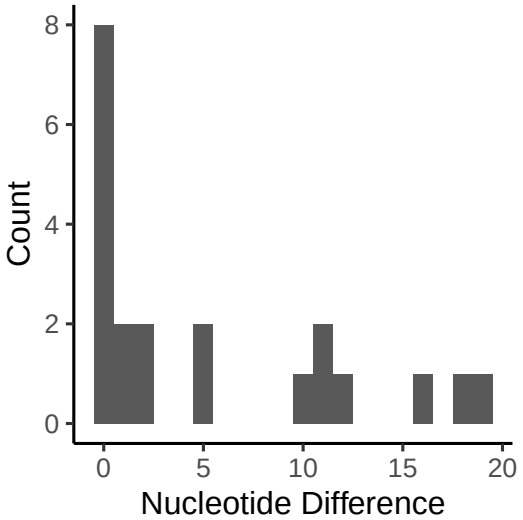
IGHV3−72*01

443 sequences assigned
29 (6.5%) exact matches, in which:
26 unique CDR3
4 unique J



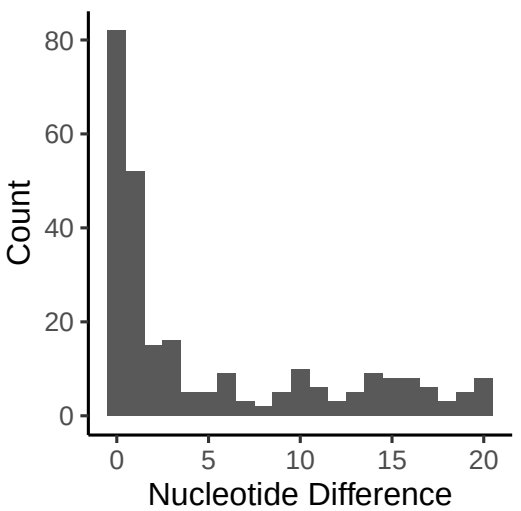
IGHV3−73*02_A152G

23 sequences assigned
8 (34.8%) exact matches, in which:
8 unique CDR3
4 unique J



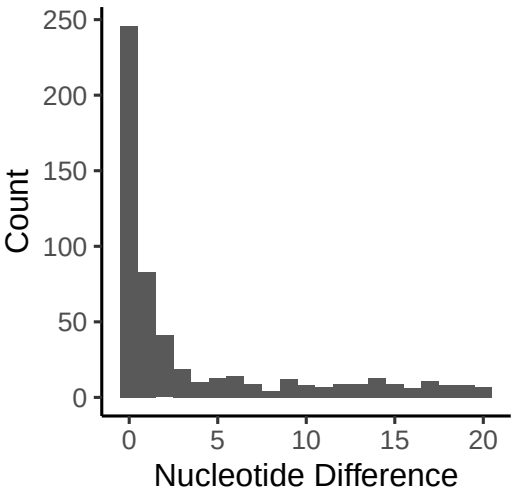
IGHV3−64D*08

312 sequences assigned
82 (26.3%) exact matches, in which:
82 unique CDR3
5 unique J



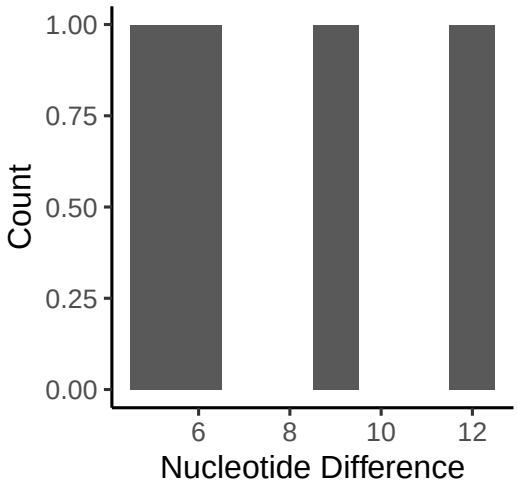
IGHV4−4*02

636 sequences assigned
246 (38.7%) exact matches, in which:
244 unique CDR3
6 unique J



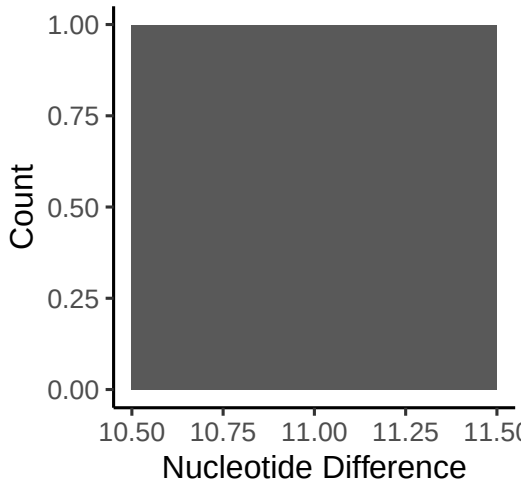
IGHV4−28*03

4 sequences assigned
No exact matches.



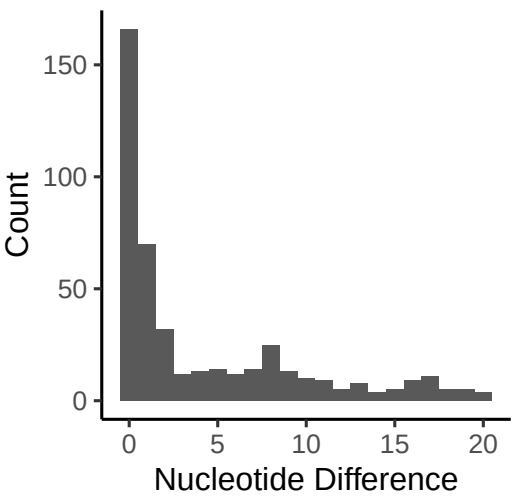
IGHV4−30−2*03

1 sequences assigned
No exact matches.



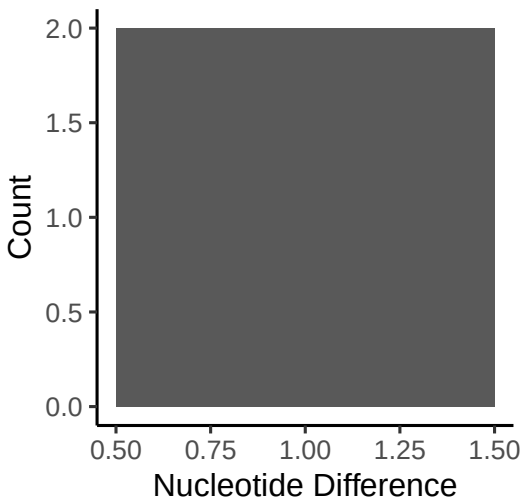
IGHV4−4*07

569 sequences assigned
166 (29.2%) exact matches, in which:
166 unique CDR3
5 unique J



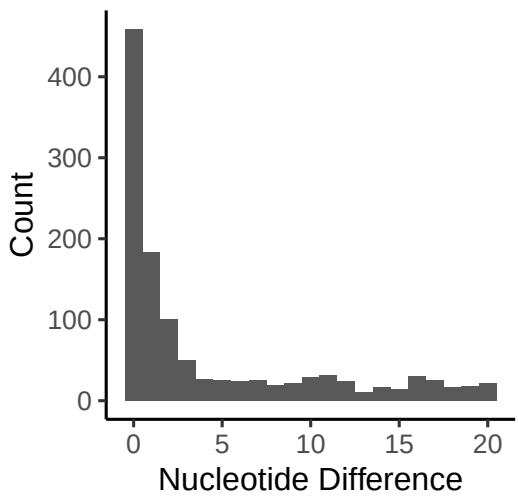
IGHV4−28*04

2 sequences assigned
No exact matches.



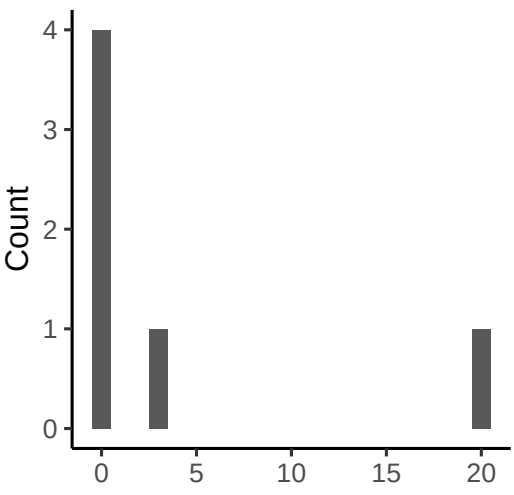
IGHV4−31*03

1345 sequences assigned
459 (34.1%) exact matches, in which:
457 unique CDR3
6 unique J



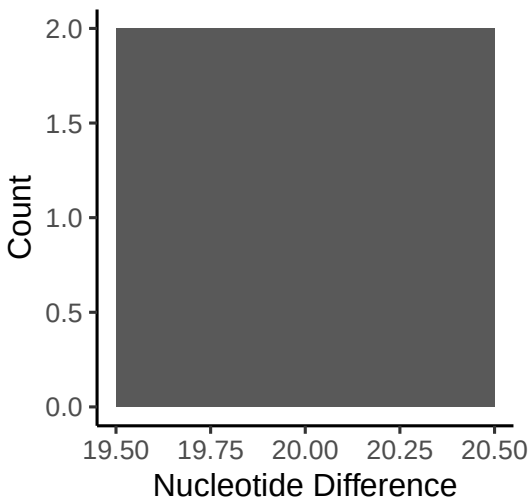
IGHV4−28*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 unique J



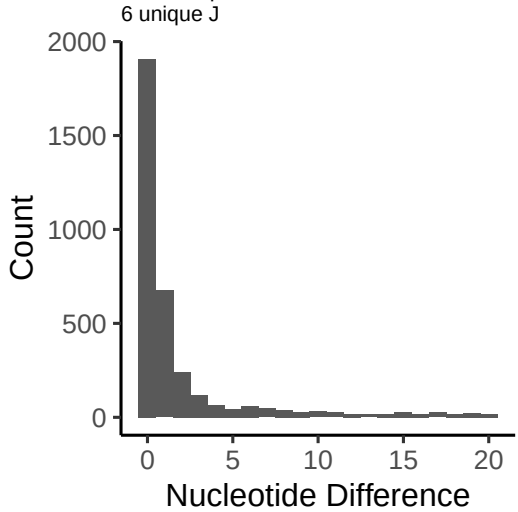
IGHV4−30−4*01

3 sequences assigned
No exact matches.



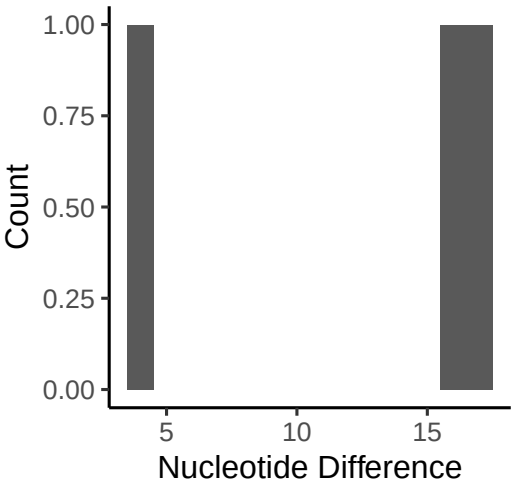
IGHV4−34*01

3670 sequences assigned
1907 (52%) exact matches, in which:
1896 unique CDR3
6 unique J



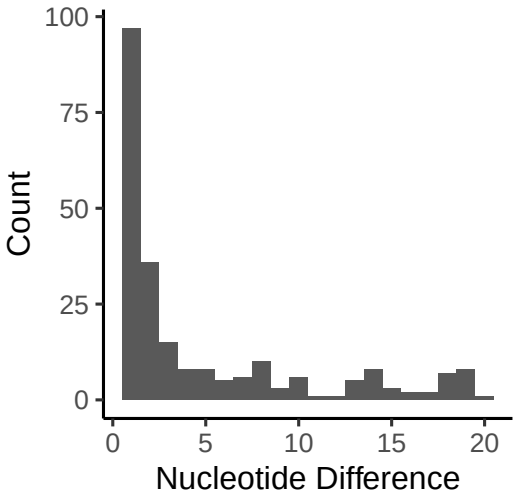
IGHV4−38−2*02

7 sequences assigned
No exact matches.



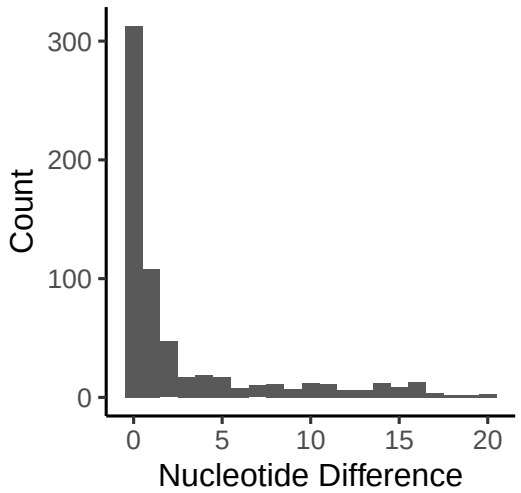
IGHV4−59*08

294 sequences assigned
No exact matches.



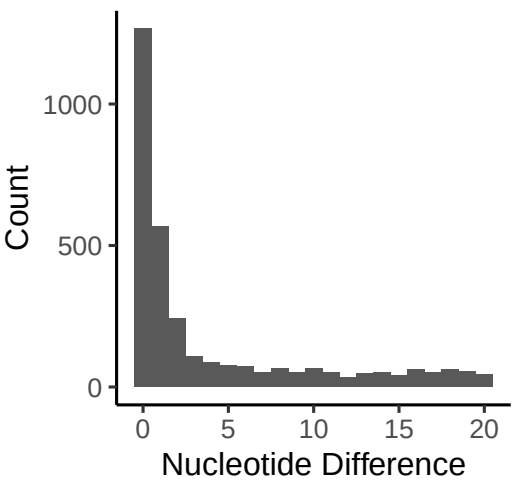
IGHV5−10−1*03

684 sequences assigned
313 (45.8%) exact matches, in which:
306 unique CDR3
6 unique J



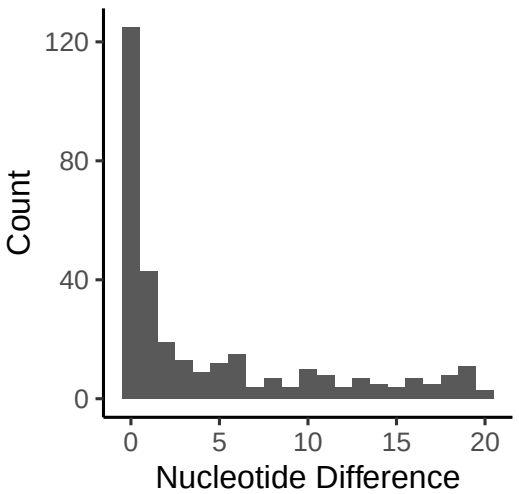
IGHV4−39*01

3809 sequences assigned
1266 (33.2%) exact matches, in which:
1251 unique CDR3
6 unique J



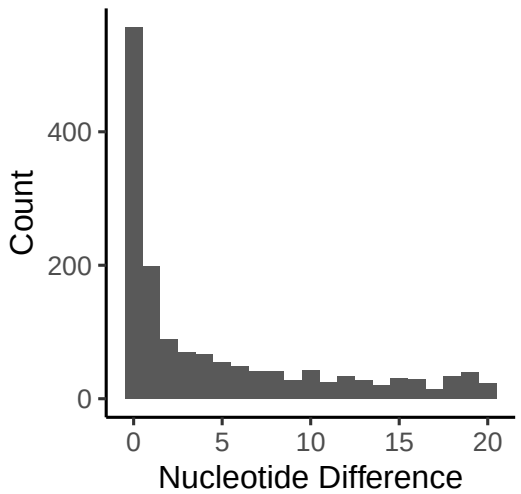
IGHV4−59*12

444 sequences assigned
125 (28.2%) exact matches, in which:
125 unique CDR3
6 unique J



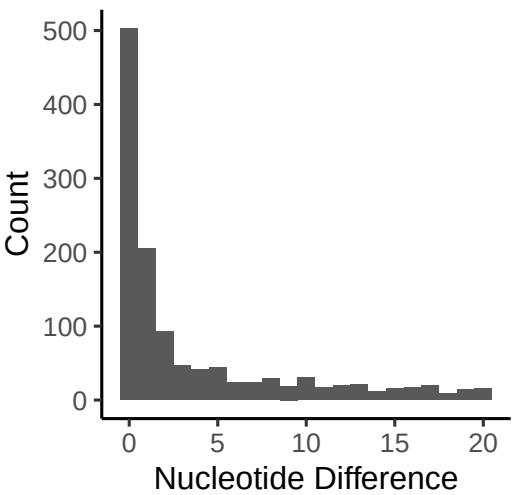
IGHV5−51*01

1649 sequences assigned
557 (33.8%) exact matches, in which:
553 unique CDR3
6 unique J



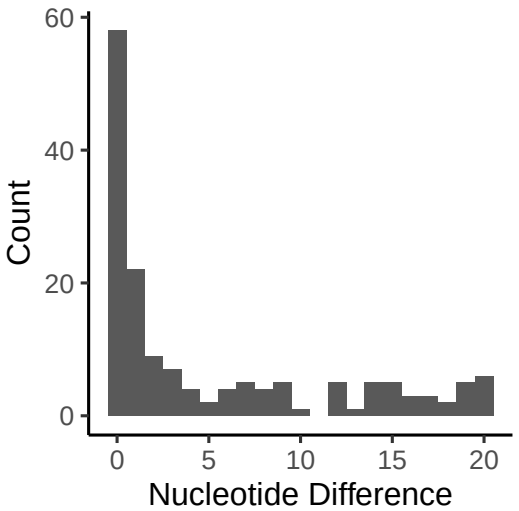
IGHV4−59*01

1408 sequences assigned
503 (35.7%) exact matches, in which:
501 unique CDR3
6 unique J



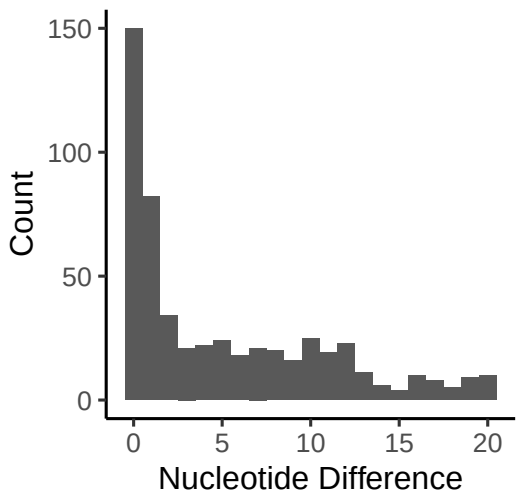
IGHV4−61*01

178 sequences assigned
58 (32.6%) exact matches, in which:
58 unique CDR3
6 unique J



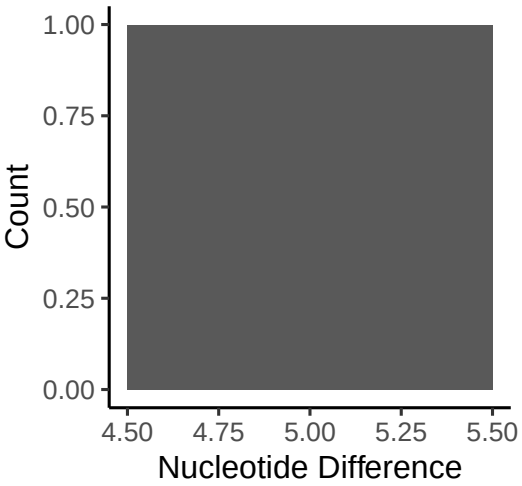
IGHV6−1*01

595 sequences assigned
150 (25.2%) exact matches, in which:
149 unique CDR3
5 unique J



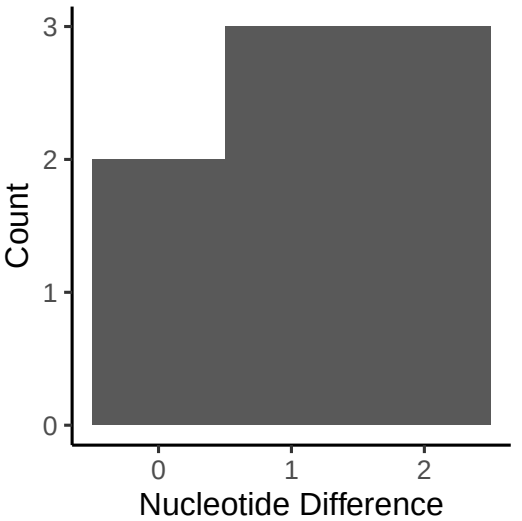
IGHV3/OR16−9*01

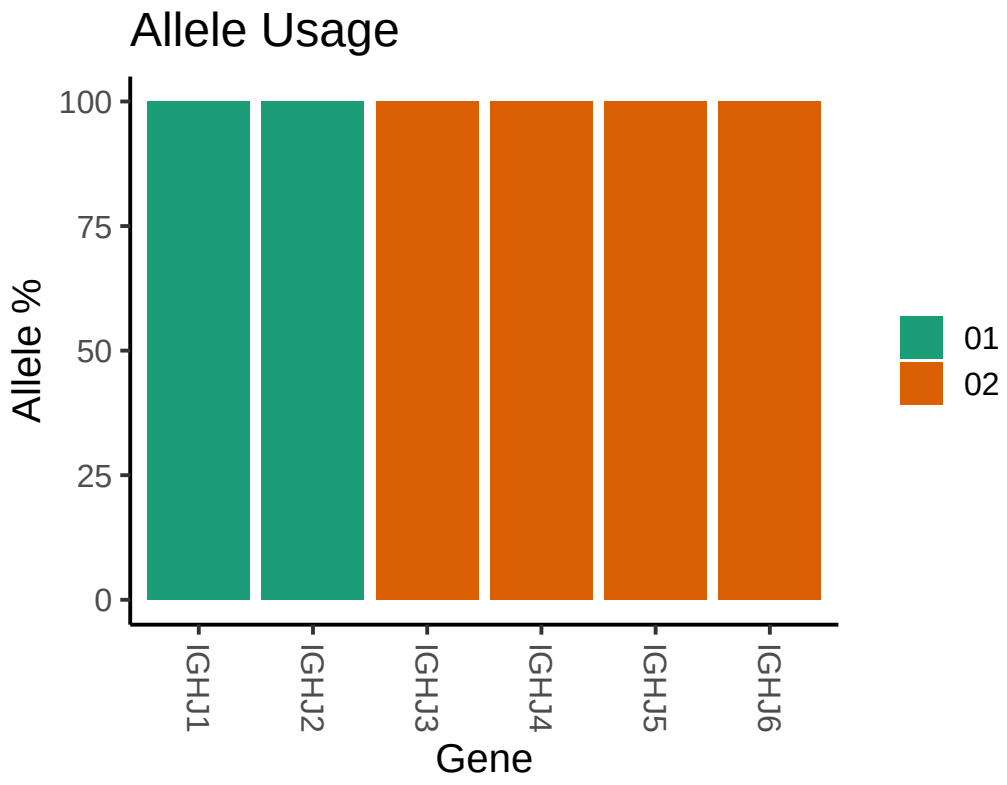
1 sequences assigned
No exact matches.



IGHV7−4−1*01

8 sequences assigned
2 (25%) exact matches, in which:
2 unique CDR3
2 unique J




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

Warning − no inferred sequences found.