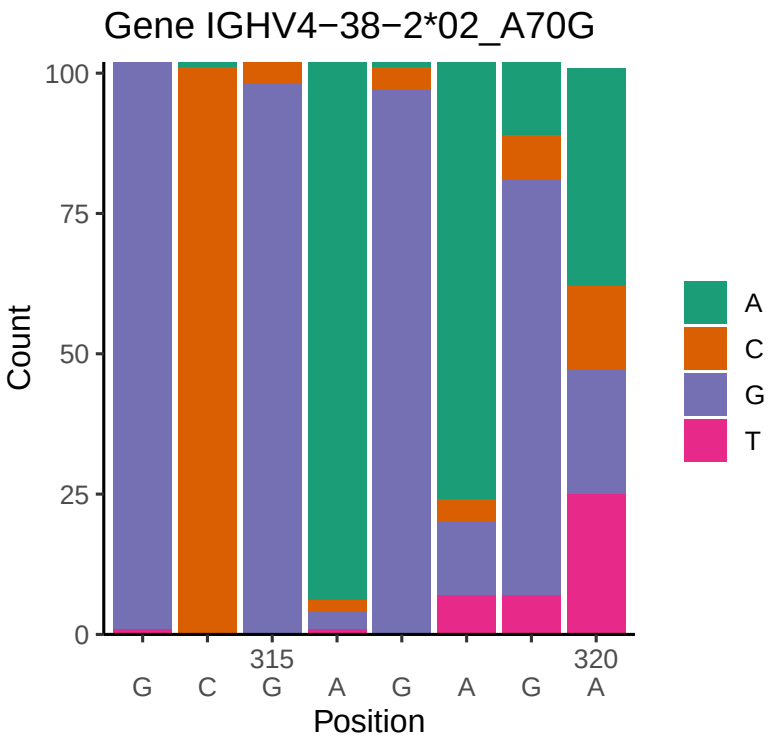
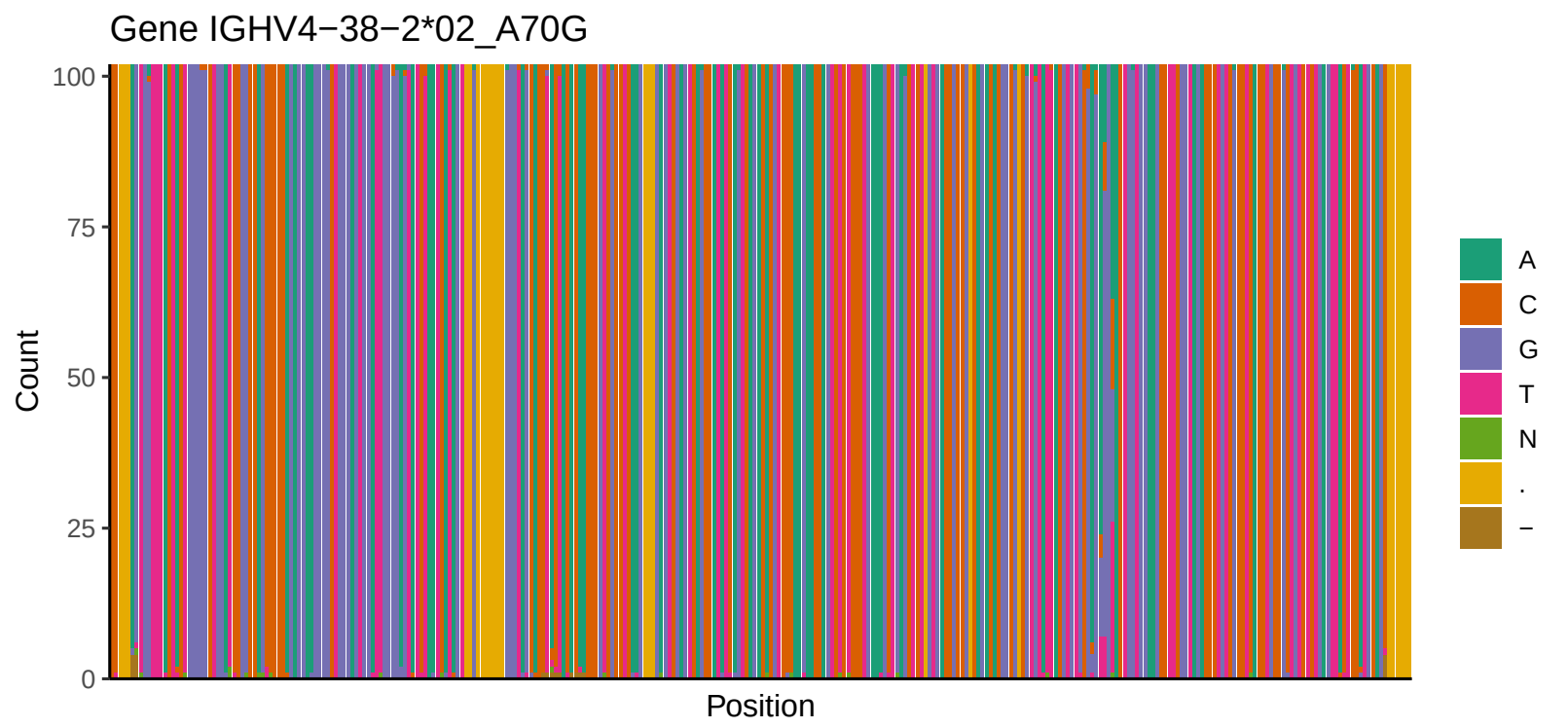
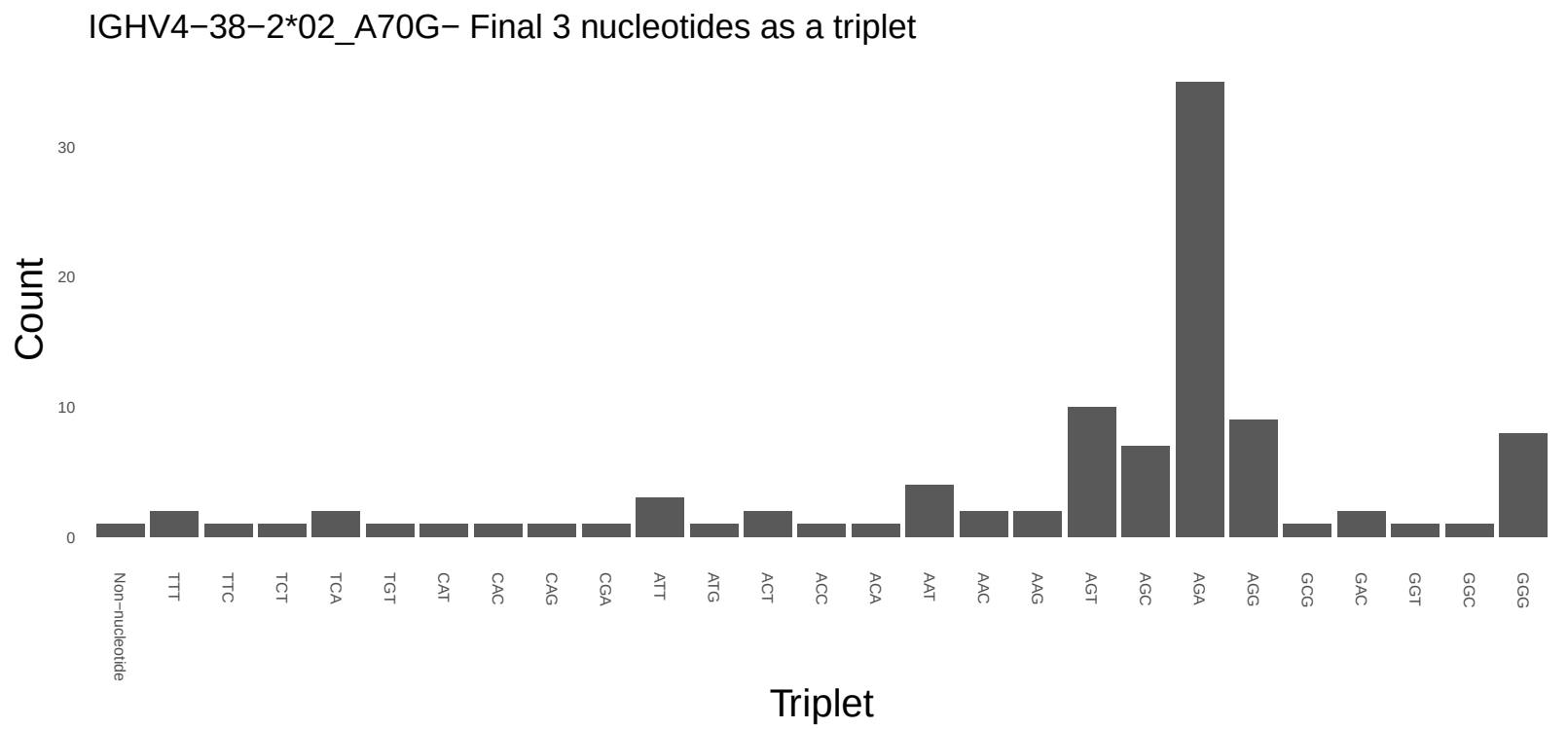
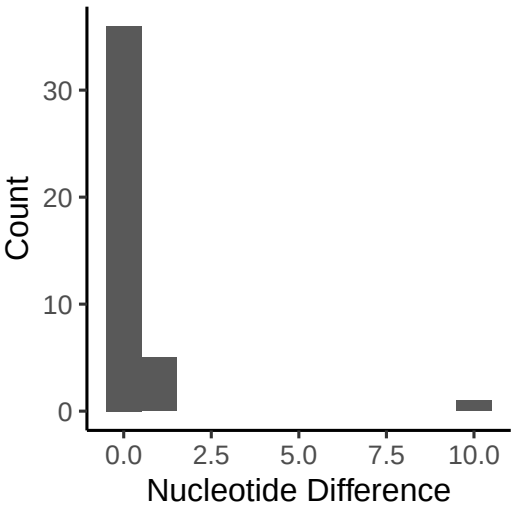

Gene IGHV4−38−2*02_A70G
Count
100
75
50
25
0
G
C
315
G
A
G
A
G
320
A
Position
A
C
G
T


Gene IGHV4−38−2*02_A70G
Count
100
75
50
25
0
Position
A
C
G
T
N
.
–


IGHV4−38−2*02_A70G− Final 3 nucleotides as a triplet
Count
30
20
10
0
Non−nucleotide
TTT
TTC
TCT
TCA
TGT
CAT
CAC
CAG
CGA
ATT
ATG
ACT
ACC
ACA
AAT
AAC
AAG
AGT
AGC
AGA
AGG
GCG
GAC
GGT
GGC
GGG
Triplet

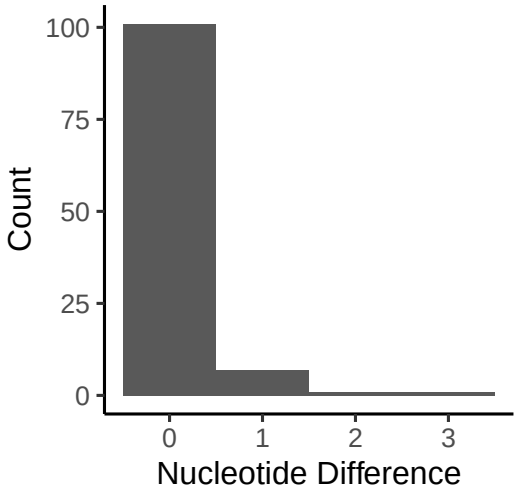
IGHV1−2*04

42 sequences assigned
36 (85.7%) exact matches, in which:
36 unique CDR3
5 unique J



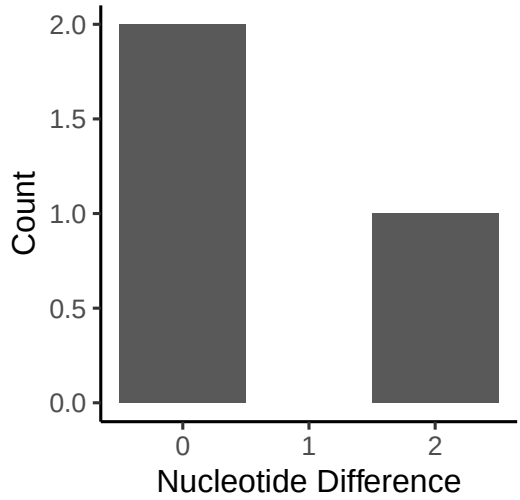
IGHV1−8*01

110 sequences assigned
101 (91.8%) exact matches, in which:
101 unique CDR3
5 unique J



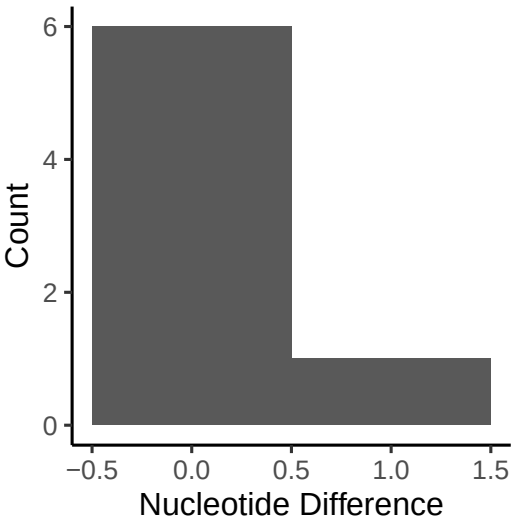
IGHV1−45*02

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



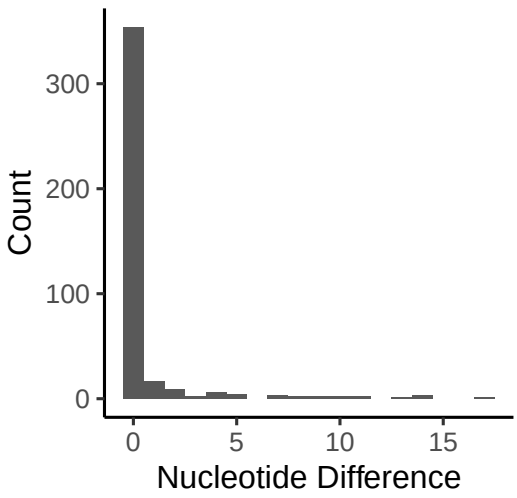
IGHV1−2*05

7 sequences assigned
6 (85.7%) exact matches, in which:
6 unique CDR3
3 unique J



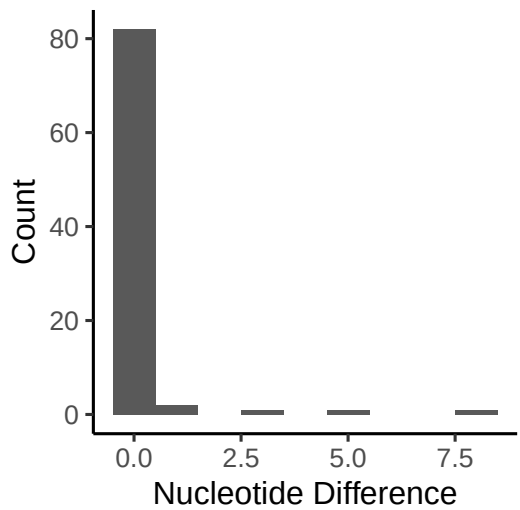
IGHV1−18*01

408 sequences assigned
354 (86.8%) exact matches, in which:
352 unique CDR3
7 unique J



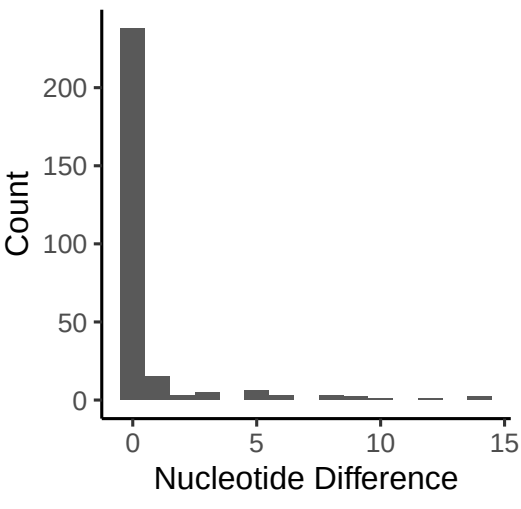
IGHV1−46*01

87 sequences assigned
82 (94.3%) exact matches, in which:
82 unique CDR3
7 unique J



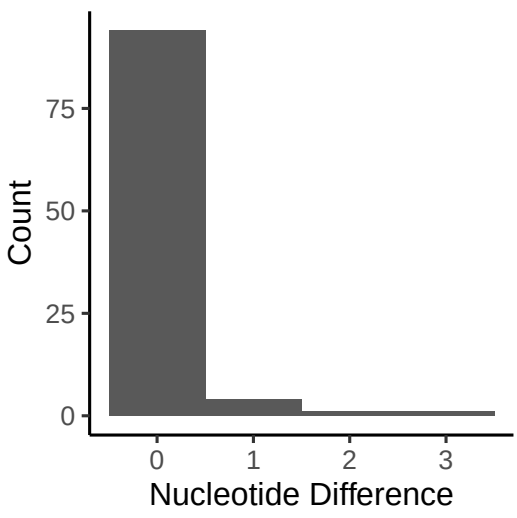
IGHV1−3*01

281 sequences assigned
238 (84.7%) exact matches, in which:
238 unique CDR3
7 unique J



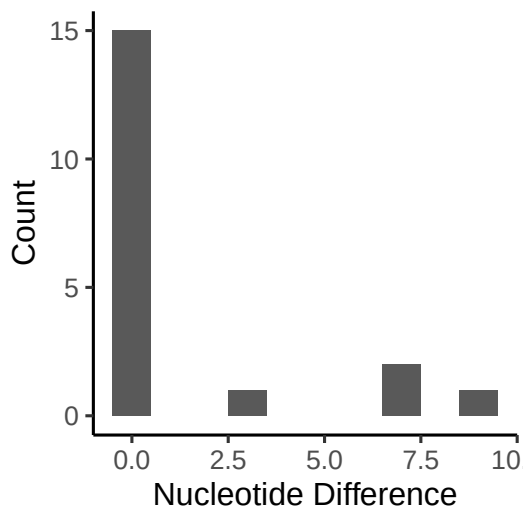
IGHV1−24*01

101 sequences assigned
94 (93.1%) exact matches, in which:
94 unique CDR3
7 unique J



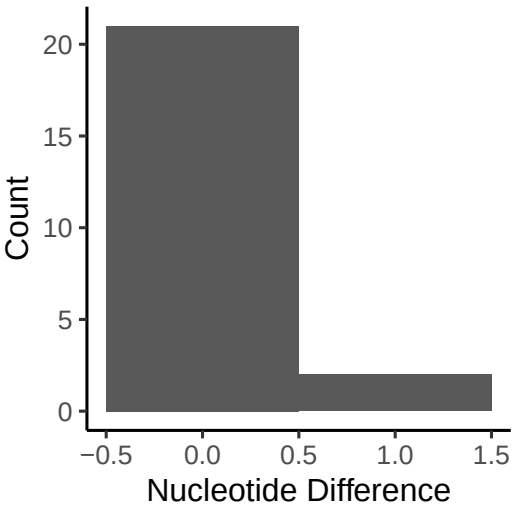
IGHV1−58*01

20 sequences assigned
15 (75%) exact matches, in which:
15 unique CDR3
5 unique J



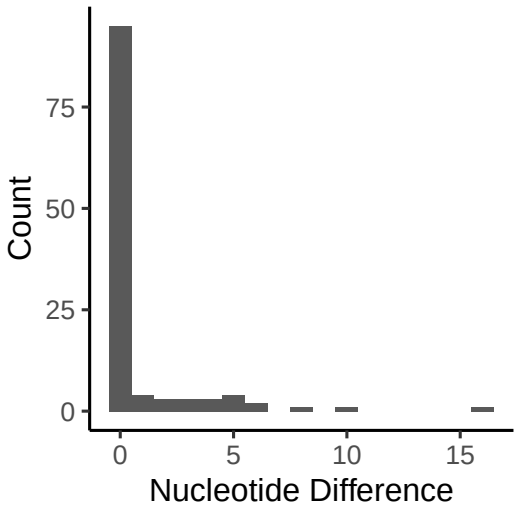
IGHV1−69−2*01

23 sequences assigned
21 (91.3%) exact matches, in which:
21 unique CDR3
5 unique J



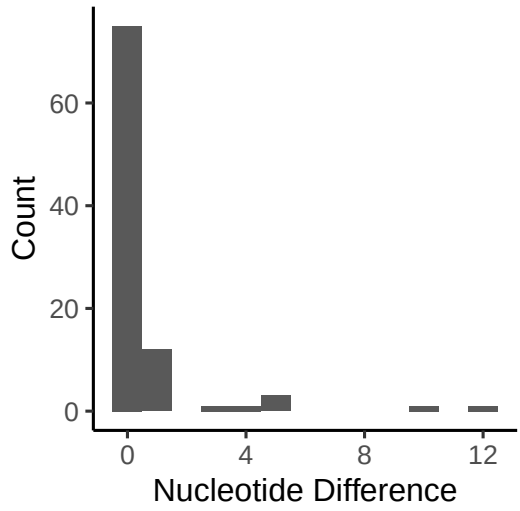
IGHV2−5*02

117 sequences assigned
95 (81.2%) exact matches, in which:
95 unique CDR3
6 unique J



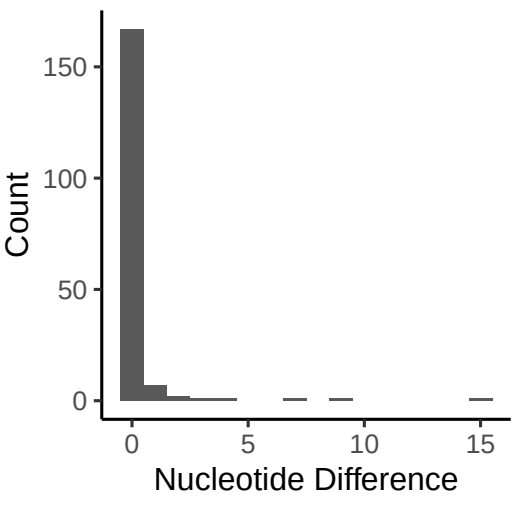
IGHV3−7*01

95 sequences assigned
75 (78.9%) exact matches, in which:
75 unique CDR3
5 unique J



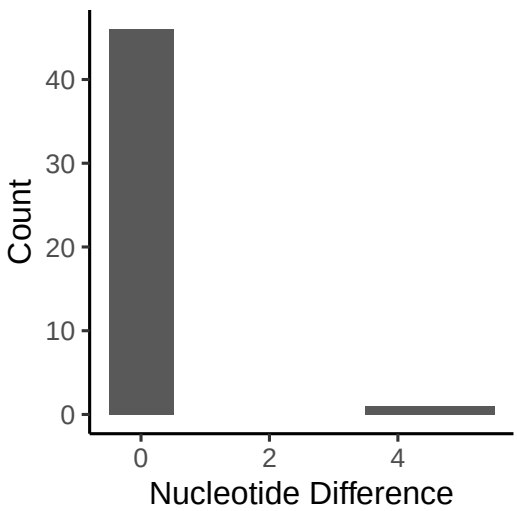
IGHV1−69*06

181 sequences assigned
167 (92.3%) exact matches, in which:
166 unique CDR3
6 unique J



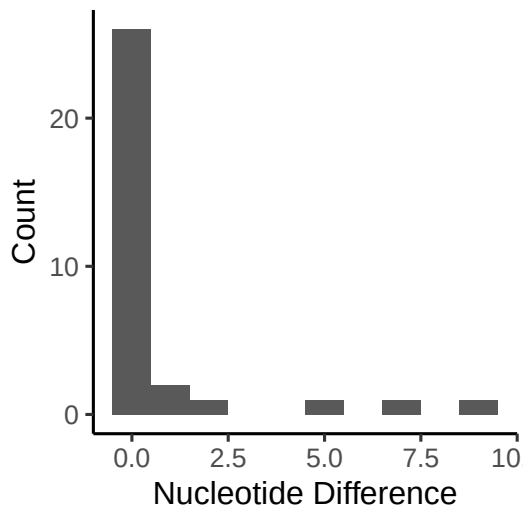
IGHV2−26*01

48 sequences assigned
46 (95.8%) exact matches, in which:
46 unique CDR3
6 unique J



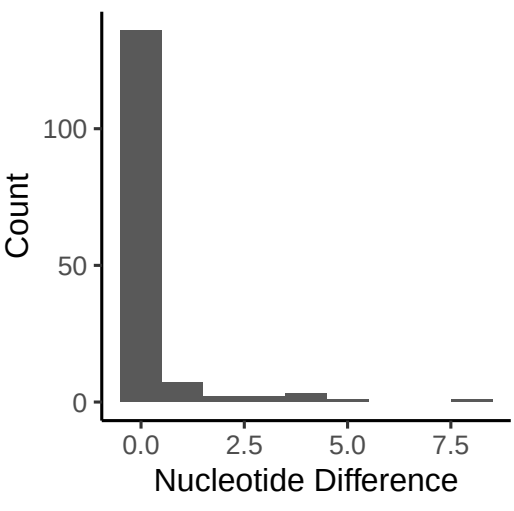
IGHV3−7*04

33 sequences assigned
26 (78.8%) exact matches, in which:
26 unique CDR3
4 unique J



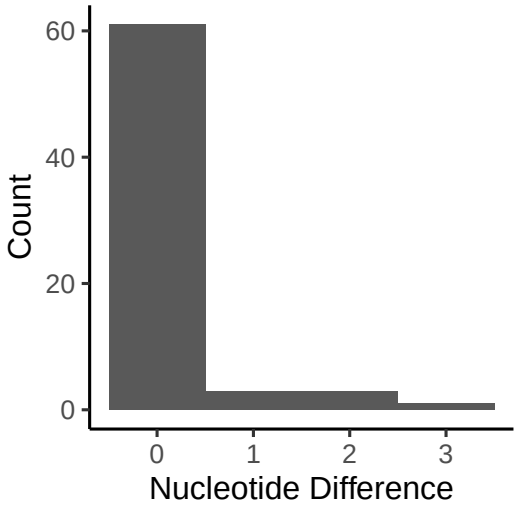
IGHV2−5*01

152 sequences assigned
136 (89.5%) exact matches, in which:
136 unique CDR3
6 unique J



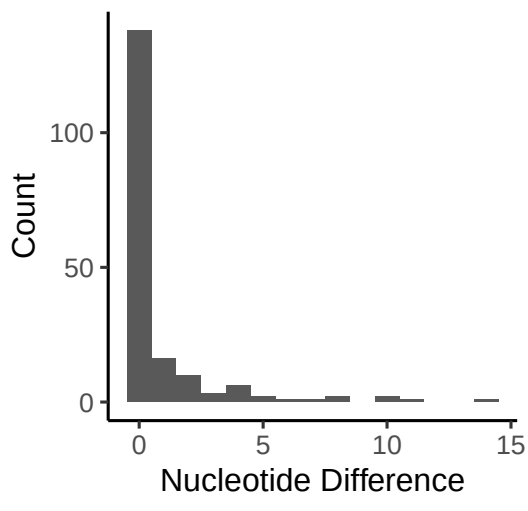
IGHV2−70*01

69 sequences assigned
61 (88.4%) exact matches, in which:
61 unique CDR3
6 unique J



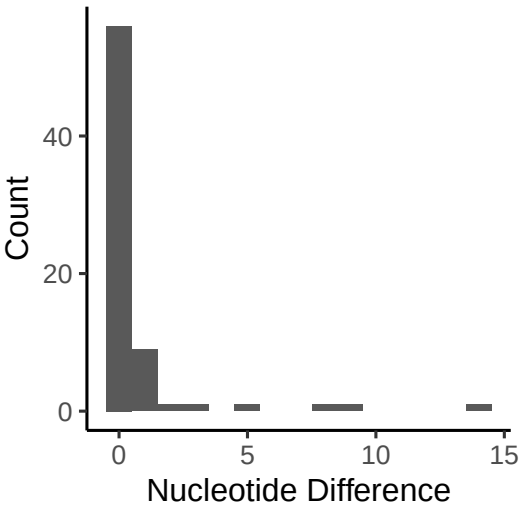
IGHV3−9*01

185 sequences assigned
138 (74.6%) exact matches, in which:
138 unique CDR3
6 unique J



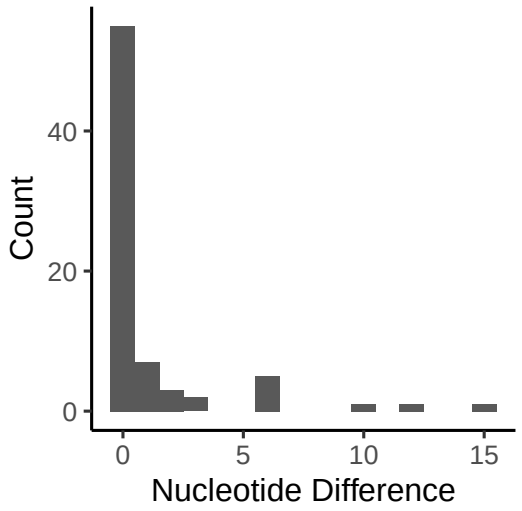
IGHV3−11*01

71 sequences assigned
56 (78.9%) exact matches, in which:
56 unique CDR3
5 unique J



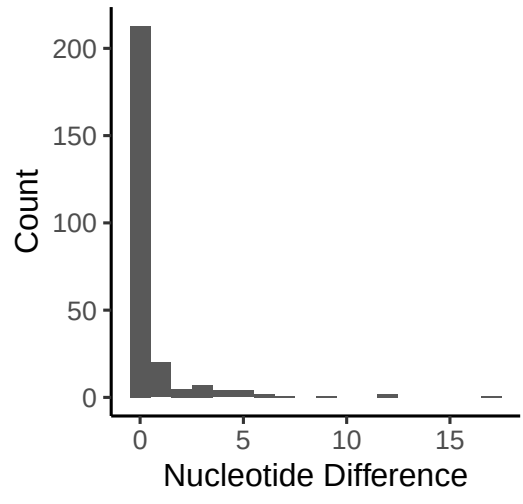
IGHV3−15*01

75 sequences assigned
55 (73.3%) exact matches, in which:
54 unique CDR3
6 unique J



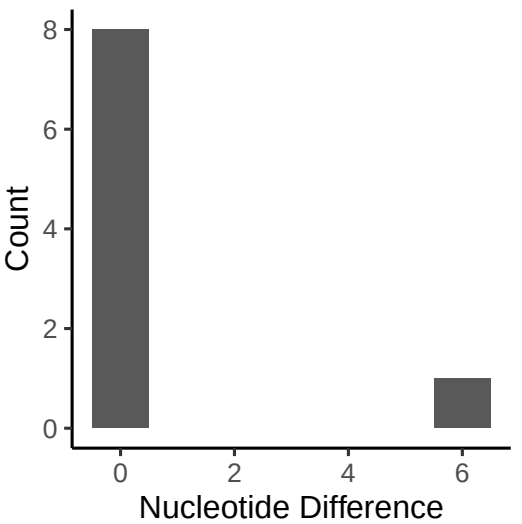
IGHV3−21*01

260 sequences assigned
213 (81.9%) exact matches, in which:
213 unique CDR3
7 unique J



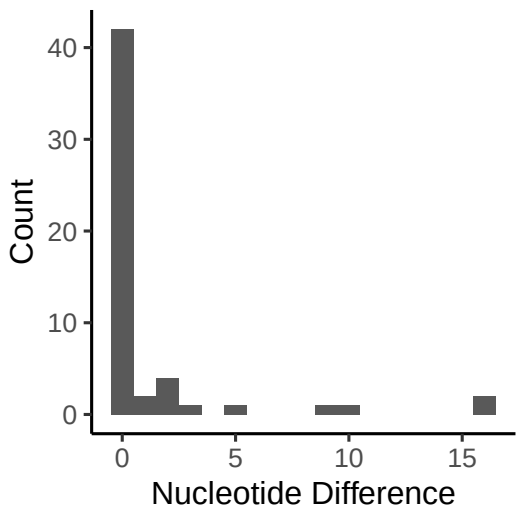
IGHV3−11*06

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
4 unique J



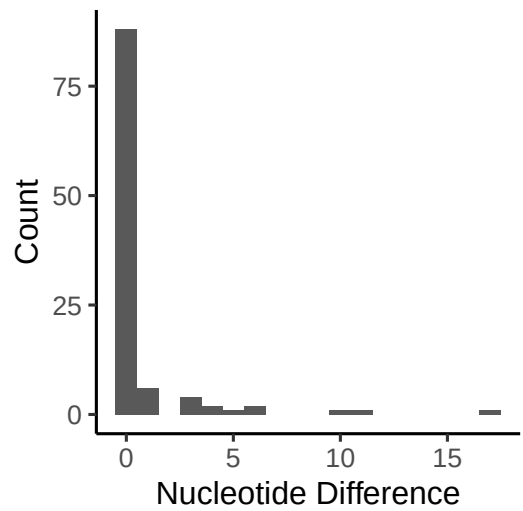
IGHV3−15*07

54 sequences assigned
42 (77.8%) exact matches, in which:
42 unique CDR3
5 unique J



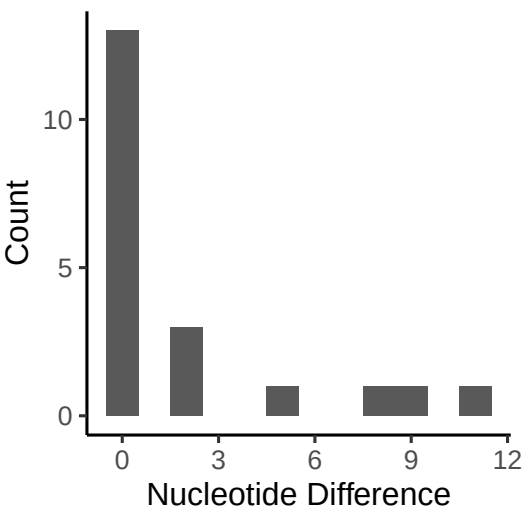
IGHV3−30*01

106 sequences assigned
88 (83%) exact matches, in which:
87 unique CDR3
4 unique J



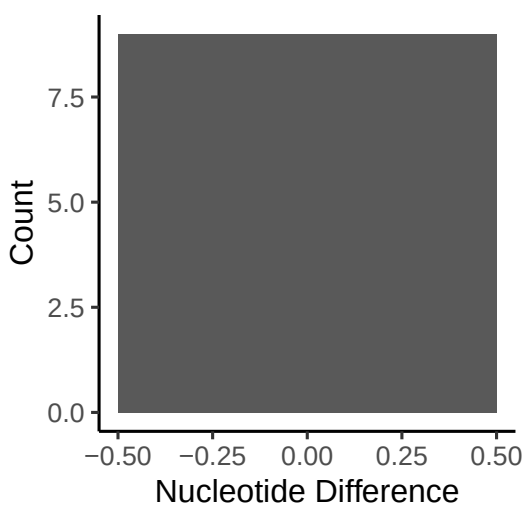
IGHV3−13*01

20 sequences assigned
13 (65%) exact matches, in which:
13 unique CDR3
3 unique J



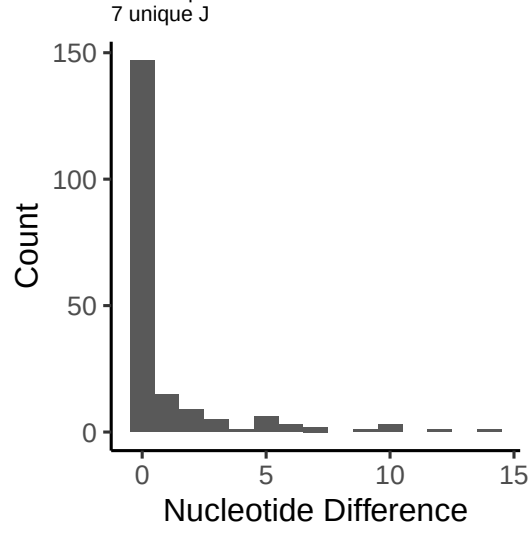
IGHV3−20*01

9 sequences assigned
9 (100%) exact matches, in which:
9 unique CDR3
5 unique J



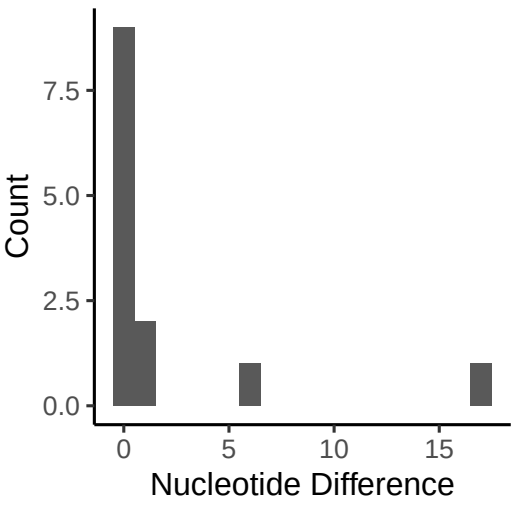
IGHV3−33*01

195 sequences assigned
147 (75.4%) exact matches, in which:
147 unique CDR3
7 unique J



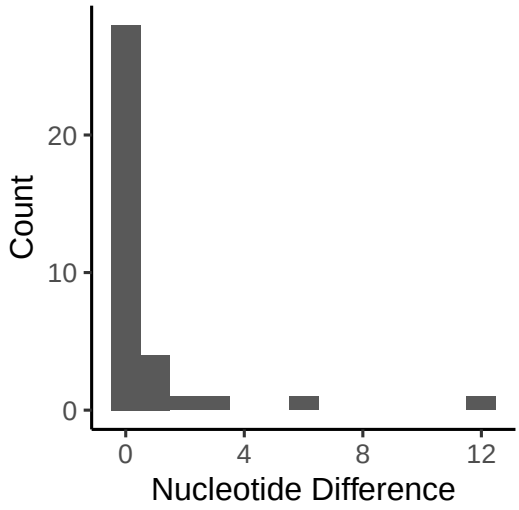
IGHV3−43*01

13 sequences assigned
9 (69.2%) exact matches, in which:
9 unique CDR3
3 unique J



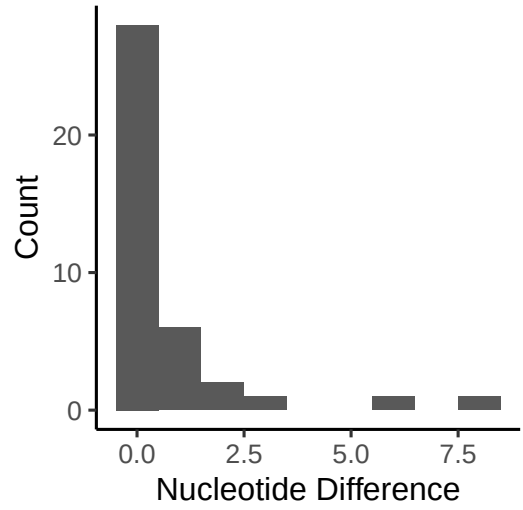
IGHV3−49*04

36 sequences assigned
28 (77.8%) exact matches, in which:
28 unique CDR3
5 unique J



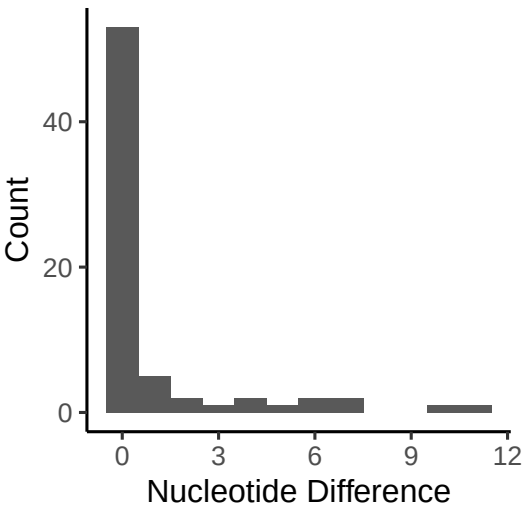
IGHV3−53*02

39 sequences assigned
28 (71.8%) exact matches, in which:
28 unique CDR3
5 unique J



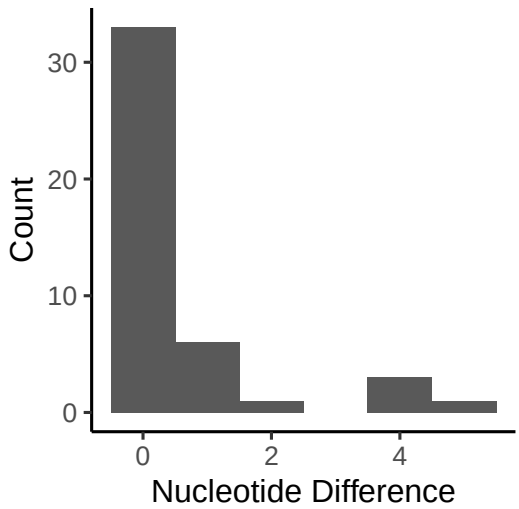
IGHV3−48*02

70 sequences assigned
53 (75.7%) exact matches, in which:
53 unique CDR3
5 unique J



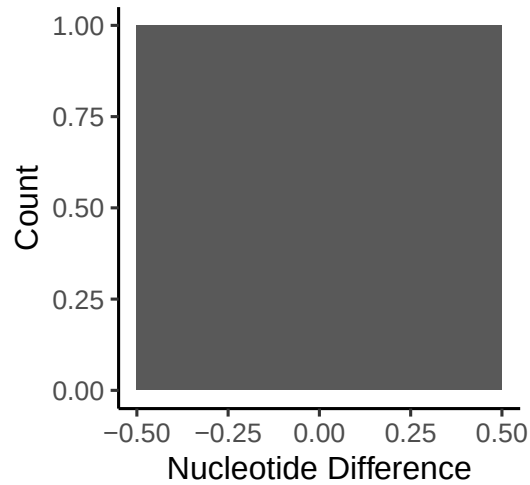
IGHV3−49*05

45 sequences assigned
33 (73.3%) exact matches, in which:
33 unique CDR3
5 unique J



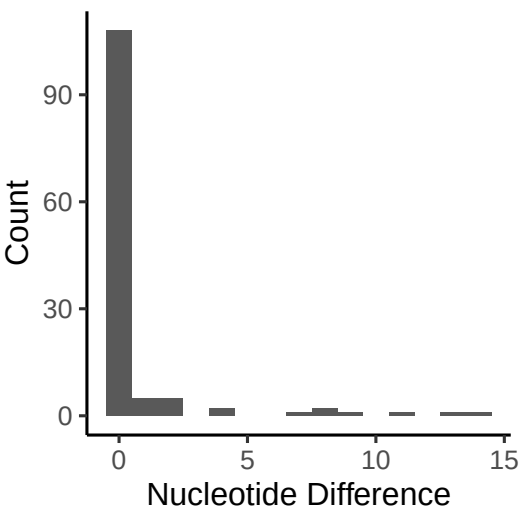
IGHV3−66*03

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



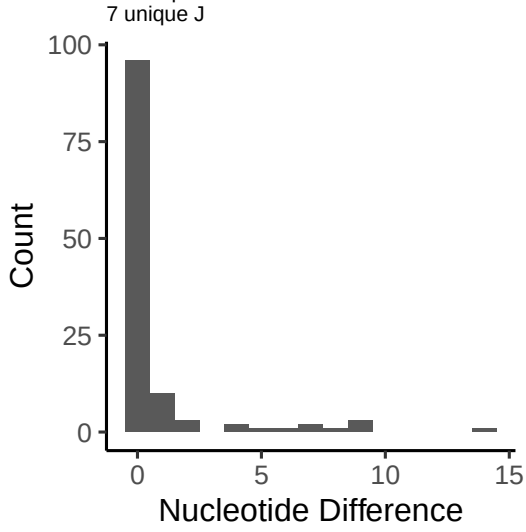
IGHV3−48*03

127 sequences assigned
108 (85%) exact matches, in which:
108 unique CDR3
6 unique J



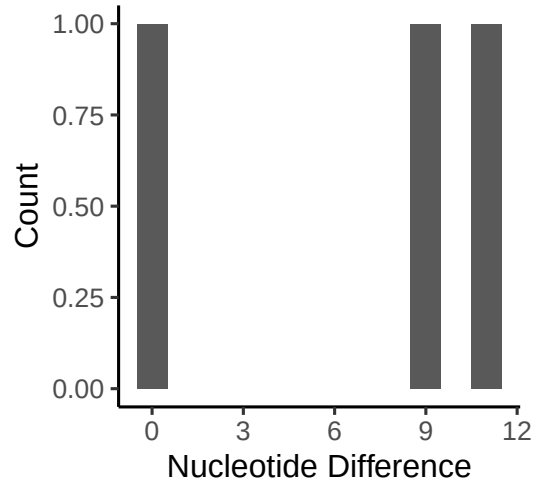
IGHV3−53*01

121 sequences assigned
96 (79.3%) exact matches, in which:
96 unique CDR3
7 unique J



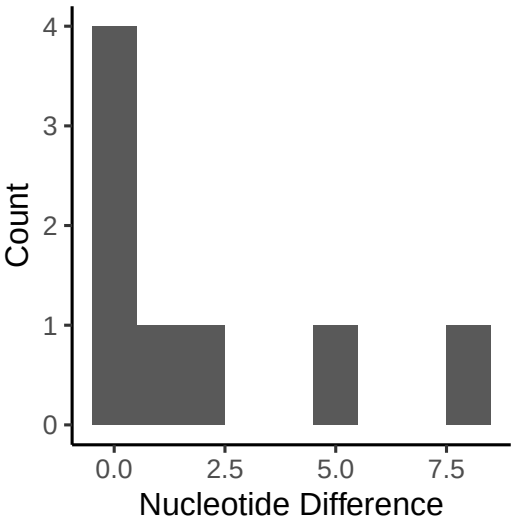
IGHV3−69−1*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



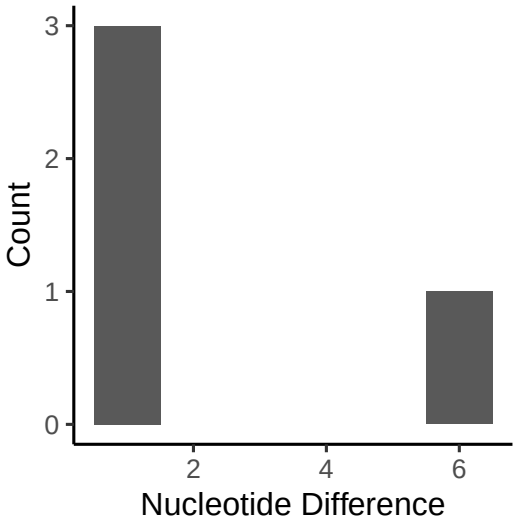
IGHV3−72*01

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



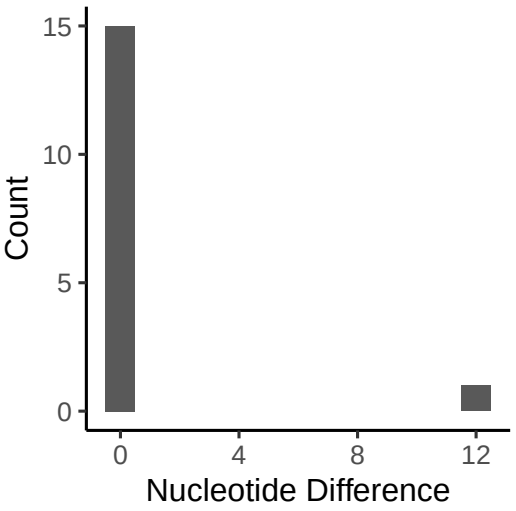
IGHV3−43D*04

4 sequences assigned
No exact matches.



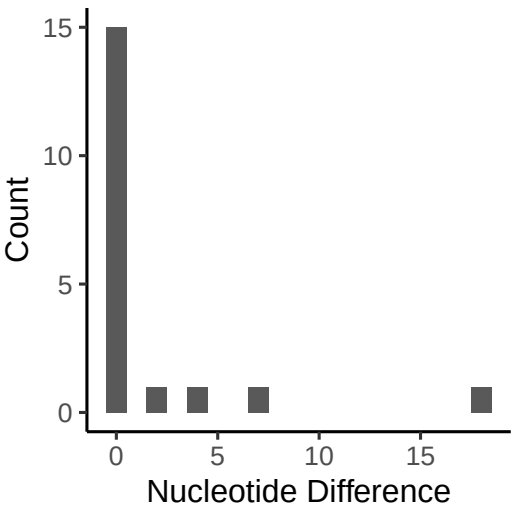
IGHV4−31*01

16 sequences assigned
15 (93.8%) exact matches, in which:
15 unique CDR3
5 unique J



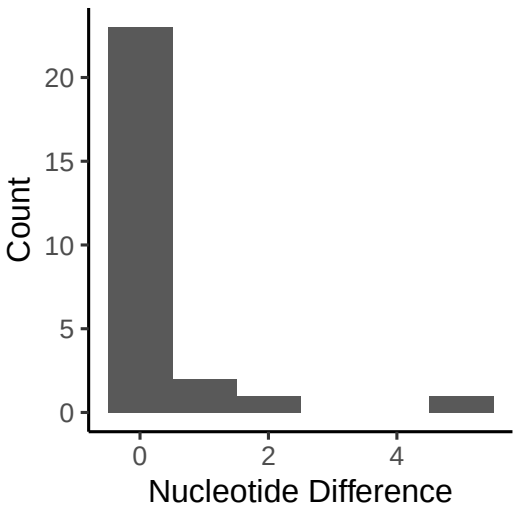
IGHV3−73*02

20 sequences assigned
15 (75%) exact matches, in which:
15 unique CDR3
5 unique J



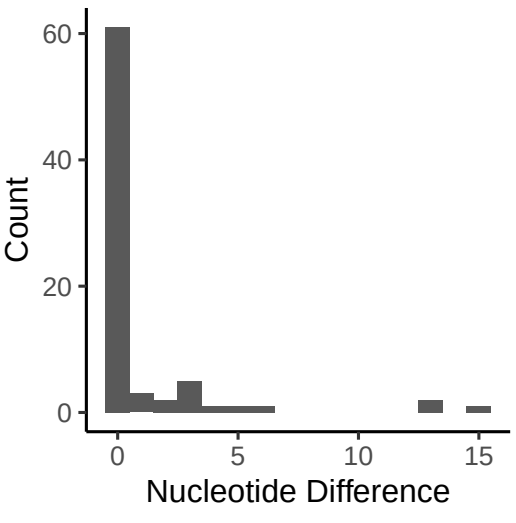
IGHV3−64D*06

27 sequences assigned
23 (85.2%) exact matches, in which:
22 unique CDR3
5 unique J



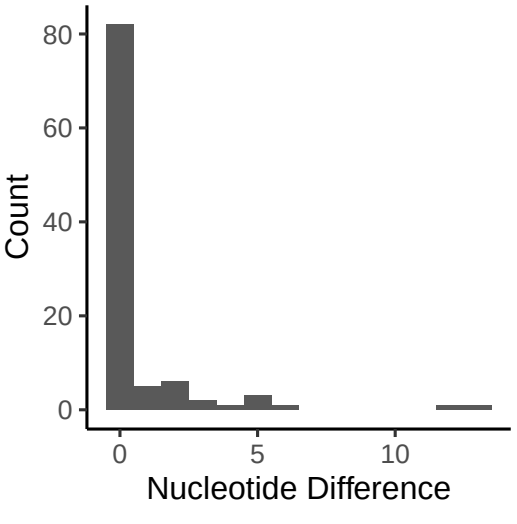
IGHV4−31*03

77 sequences assigned
61 (79.2%) exact matches, in which:
61 unique CDR3
7 unique J



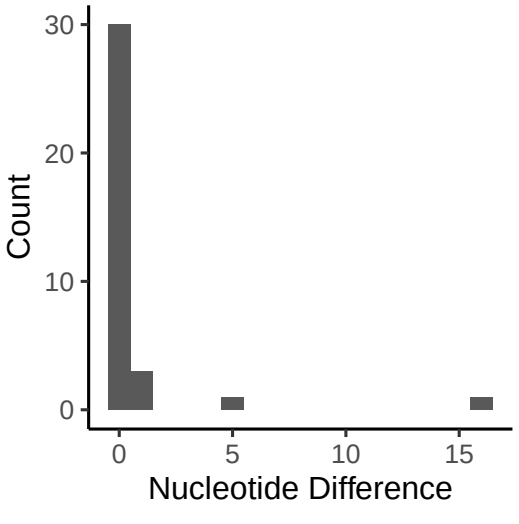
IGHV3−74*01

102 sequences assigned
82 (80.4%) exact matches, in which:
82 unique CDR3
6 unique J



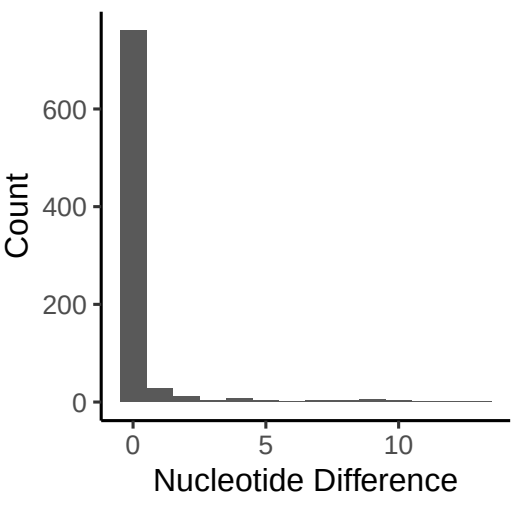
IGHV4−4*02

35 sequences assigned
30 (85.7%) exact matches, in which:
30 unique CDR3
4 unique J



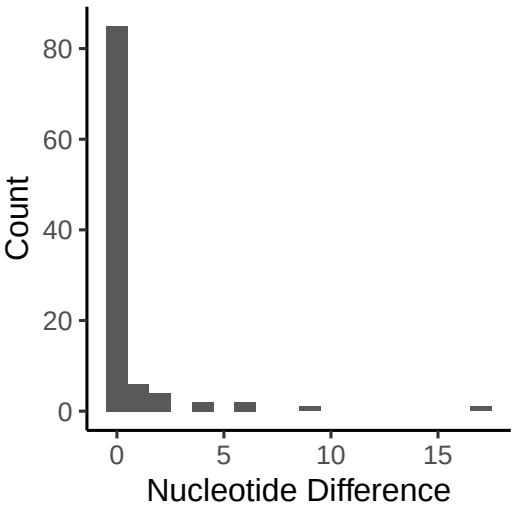
IGHV4−34*01

840 sequences assigned
761 (90.6%) exact matches, in which:
761 unique CDR3
7 unique J



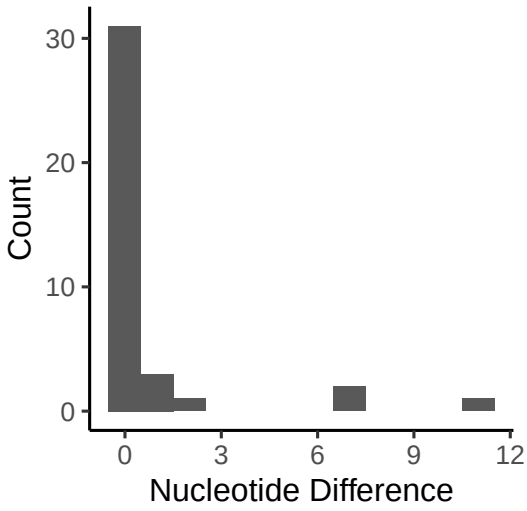
IGHV4−38−2*02_A70G

102 sequences assigned
85 (83.3%) exact matches, in which:
85 unique CDR3
6 unique J



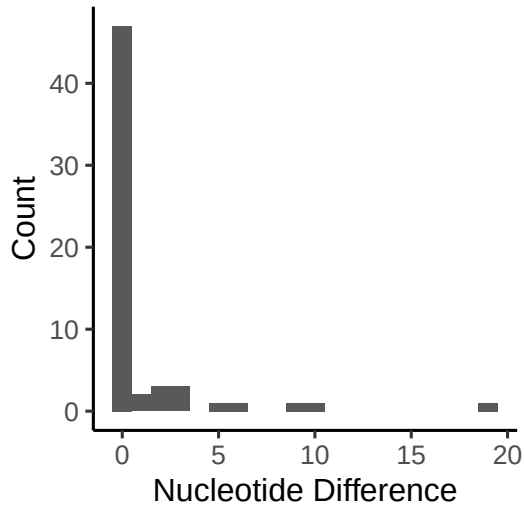
IGHV4−61*01

38 sequences assigned
31 (81.6%) exact matches, in which:
31 unique CDR3
6 unique J



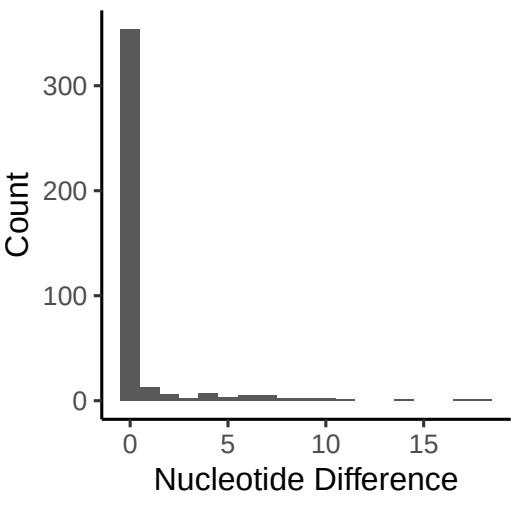
IGHV6−1*01

61 sequences assigned
47 (77%) exact matches, in which:
47 unique CDR3
6 unique J



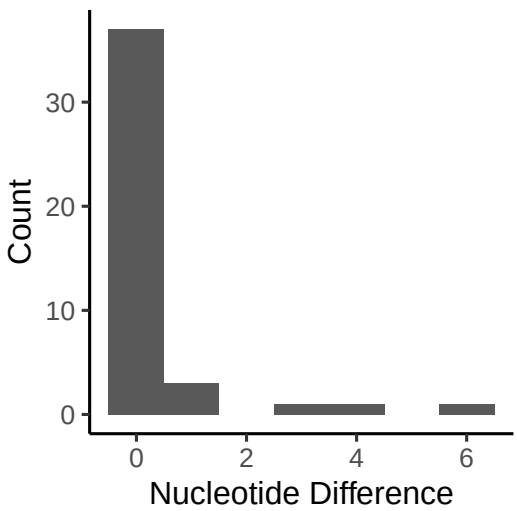
IGHV4−39*01

408 sequences assigned
354 (86.8%) exact matches, in which:
353 unique CDR3
7 unique J



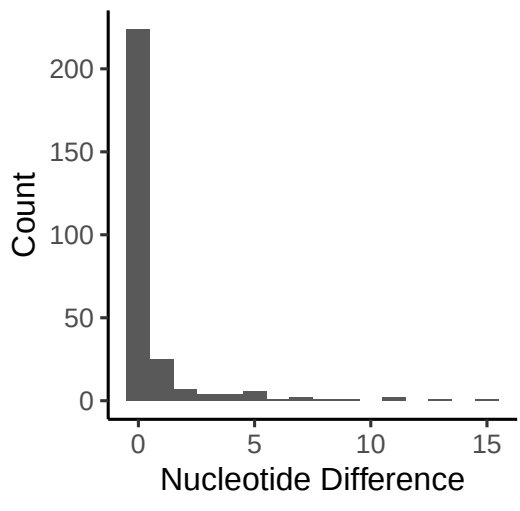
IGHV5−10−1*03

43 sequences assigned
37 (86%) exact matches, in which:
37 unique CDR3
4 unique J



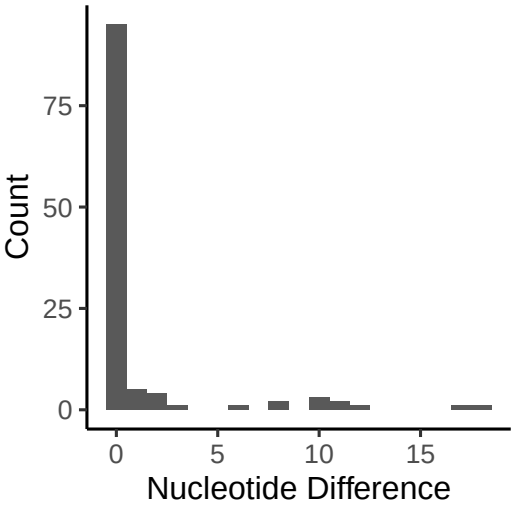
IGHV7−4−1*02

280 sequences assigned
224 (80%) exact matches, in which:
224 unique CDR3
7 unique J



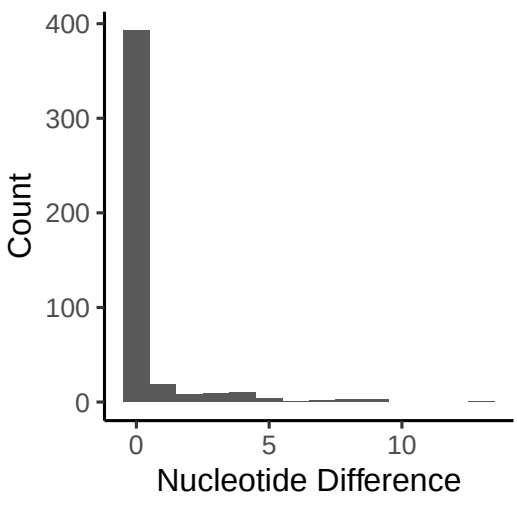
IGHV4−59*01

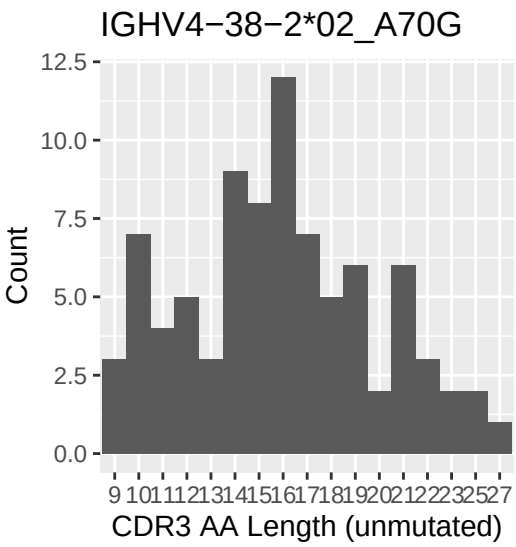
116 sequences assigned
95 (81.9%) exact matches, in which:
95 unique CDR3
6 unique J

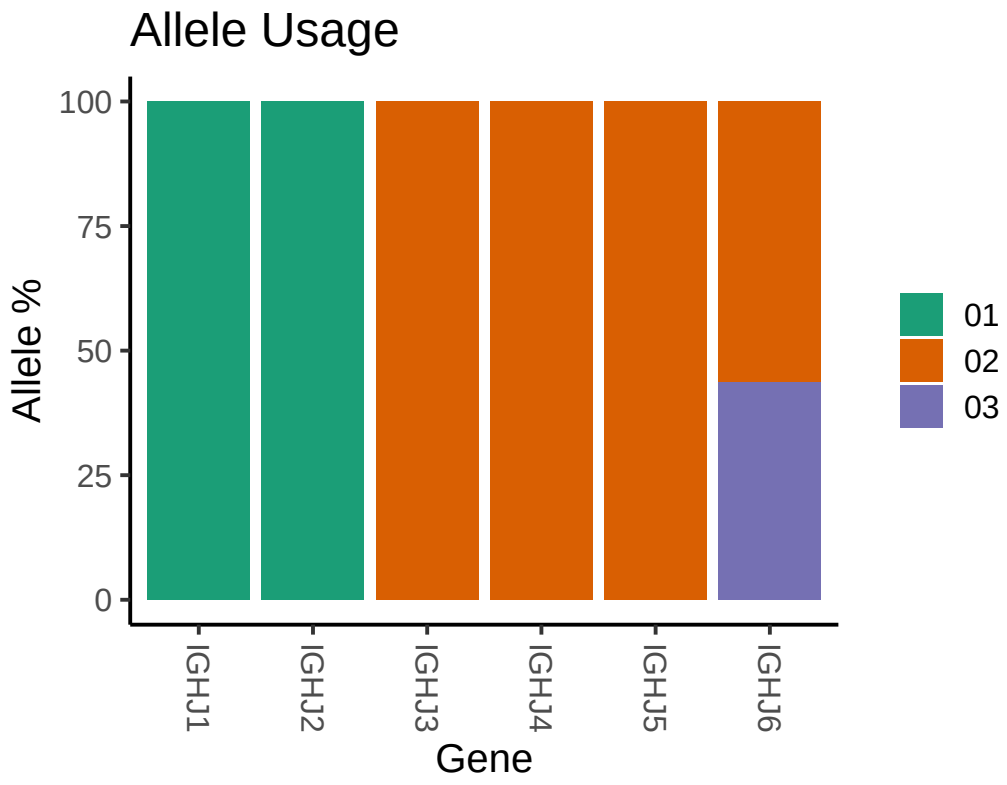


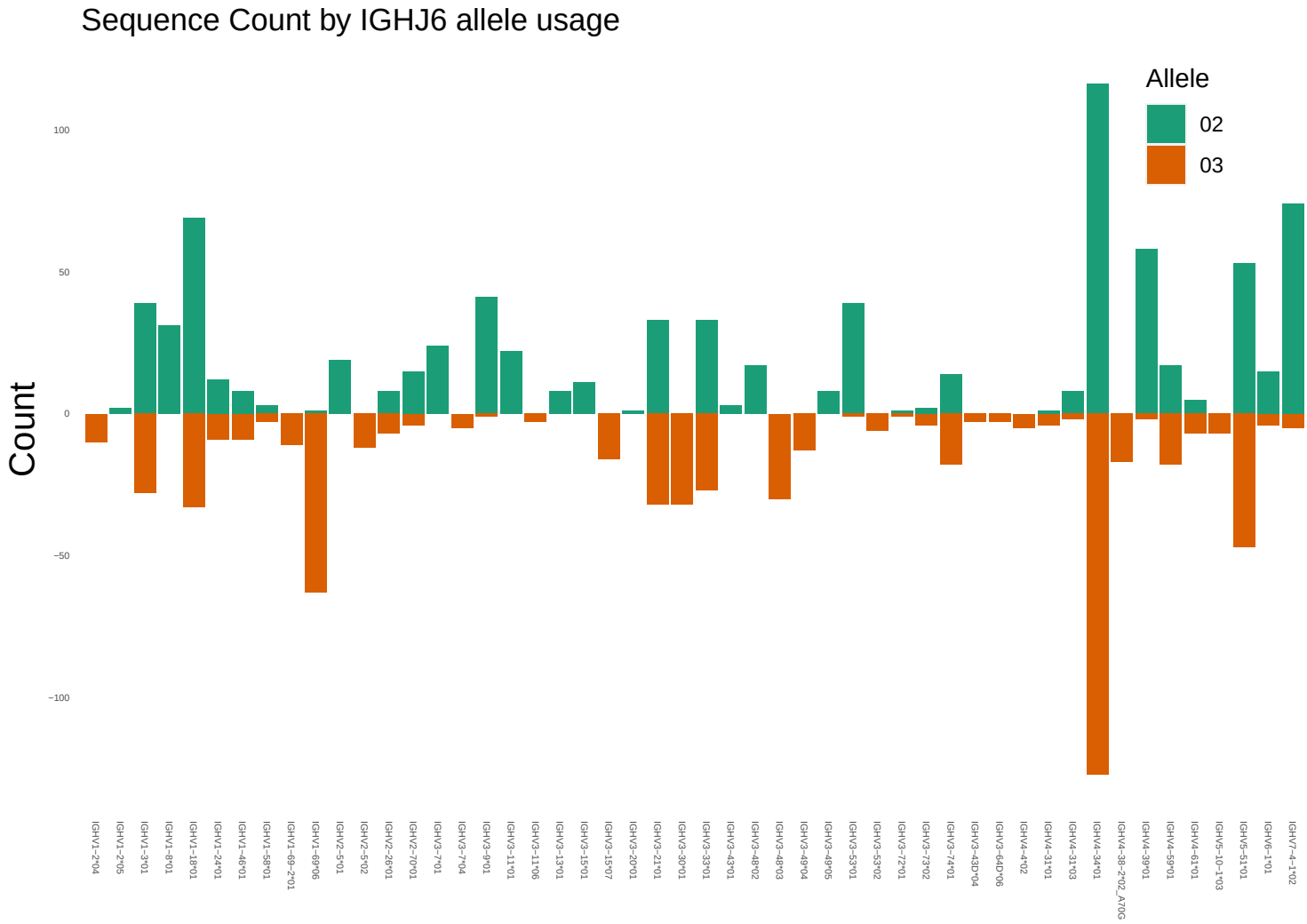
IGHV5−51*01

455 sequences assigned
393 (86.4%) exact matches, in which:
393 unique CDR3
7 unique J




IGHV4−38−2*02_A70G
Count
12.5
10.0
7.5
5.0
2.5
0.0
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 25 27
CDR3 AA Length (unmutated)


Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02
03


Sequence Count by IGHJ6 allele usage
Allele
02
03
Count
100
50
0
−50
−100
IGHV1-2*04
IGHV1-2*05
IGHV1-3*01
IGHV1-8*01
IGHV1-18*01
IGHV1-24*01
IGHV1-46*01
IGHV1-58*01
IGHV1-69-2*01
IGHV1-69*06
IGHV2-5*01
IGHV2-5*02
IGHV2-26*01
IGHV2-70*01
IGHV3-7*01
IGHV3-7*04
IGHV3-9*01
IGHV3-11*01
IGHV3-11*06
IGHV3-13*01
IGHV3-15*01
IGHV3-15*07
IGHV3-20*01
IGHV3-21*01
IGHV3-30*01
IGHV3-33*01
IGHV3-43*01
IGHV3-48*02
IGHV3-48*03
IGHV3-49*04
IGHV3-49*05
IGHV3-53*01
IGHV3-53*02
IGHV3-72*01
IGHV3-73*02
IGHV3-74*01
IGHV3-NL1*01
IGHV3-64D*06
IGHV4-4*02
IGHV4-31*01
IGHV4-31*03
IGHV4-34*01
IGHV4-38-2*02_A70G
IGHV4-39*01
IGHV4-59*01
IGHV4-61*01
IGHV5-10-1*03
IGHV5-51*01
IGHV6-1*01
IGHV7-4-1*02

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.