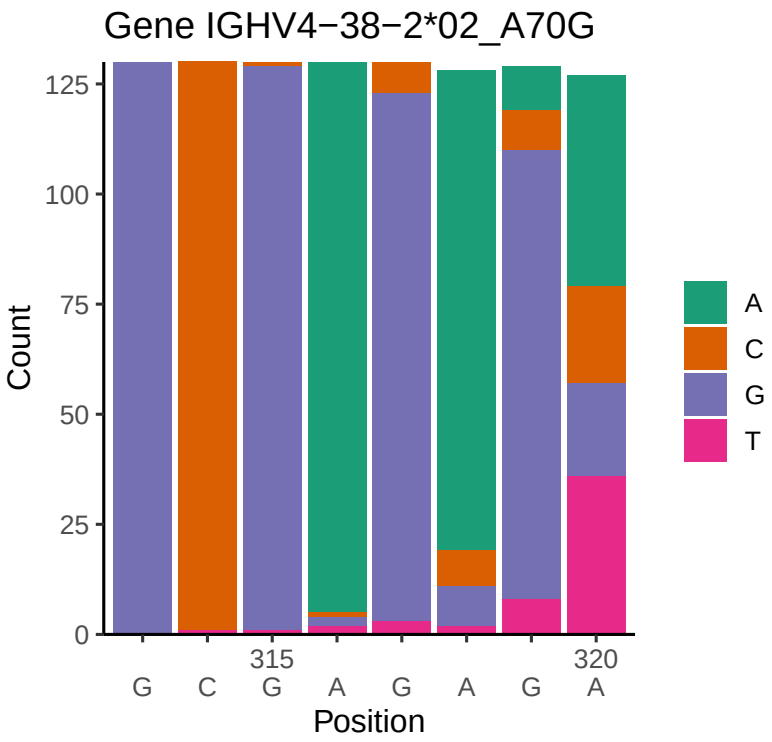
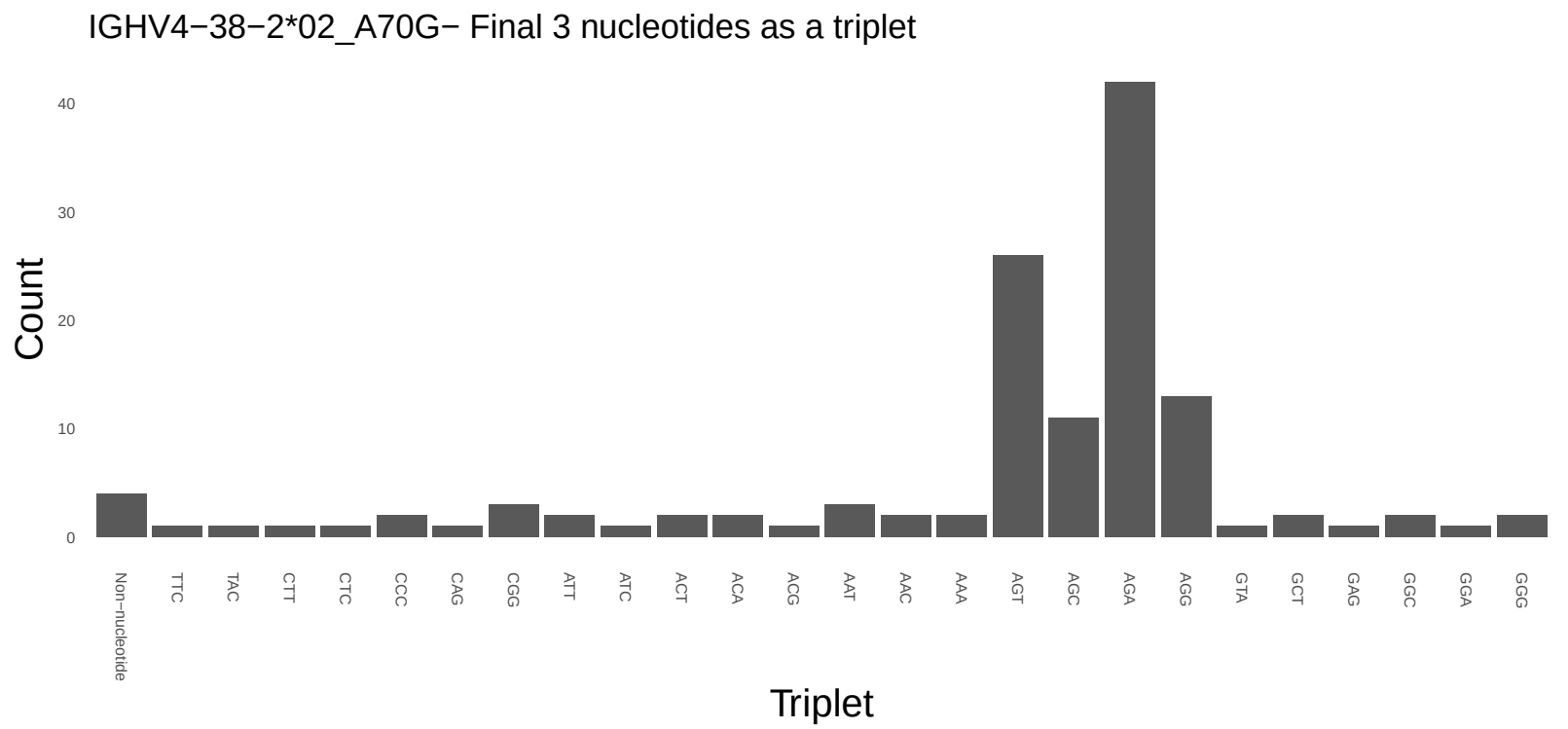
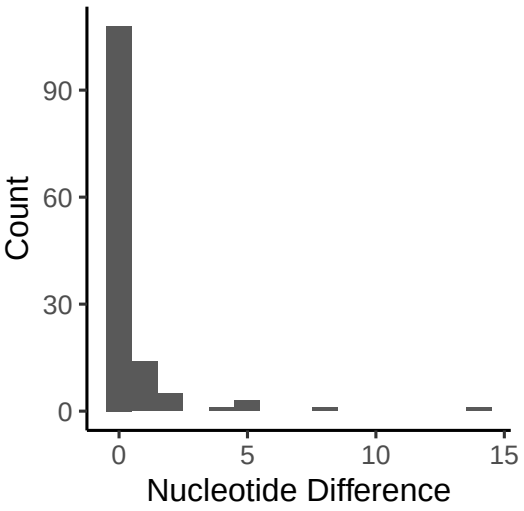

Gene IGHV4−38−2*02_A70G
Count
125
100
75
50
25
0
315
320
G C G A G A G A
Position
A
C
G
T

Gene IGHV4−38−2*02_A70G
Count
125
100
75
50
25
0
Position
A
C
G
T
N
.
–


IGHV4−38−2*02_A70G− Final 3 nucleotides as a triplet
Count
40
30
20
10
0
Non−nucleotide
TTC
TAC
CTT
CTC
CCC
CAG
CGG
ATT
ATC
ACT
ACA
ACG
AAT
AAC
AAA
AGT
AGC
AGA
AGG
GTA
GCT
GAG
GGC
GGA
GGG
Triplet

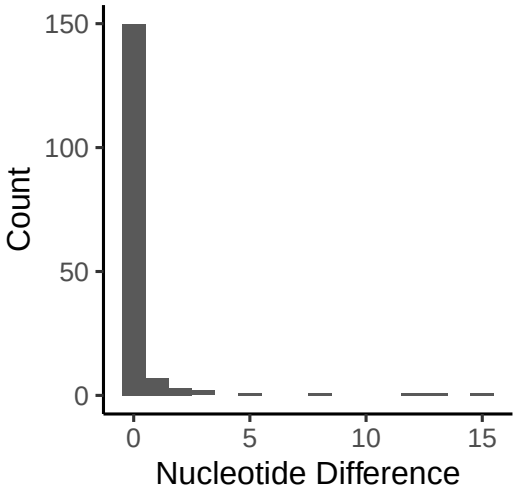
## IGHV1−2*04

134 sequences assigned
108 (80.6%) exact matches, in which:
108 unique CDR3
7 unique J



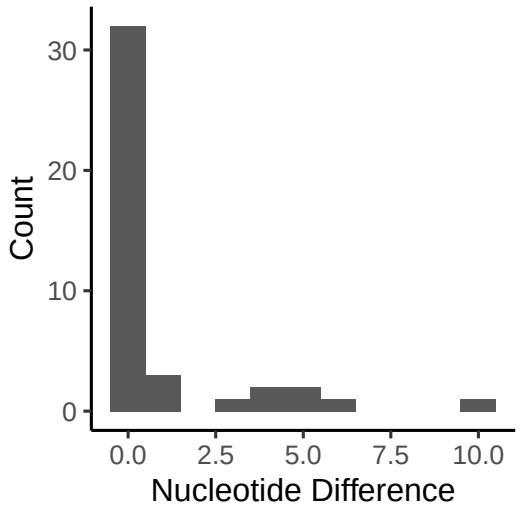

## IGHV1−24*01

168 sequences assigned
150 (89.3%) exact matches, in which:
150 unique CDR3
7 unique J



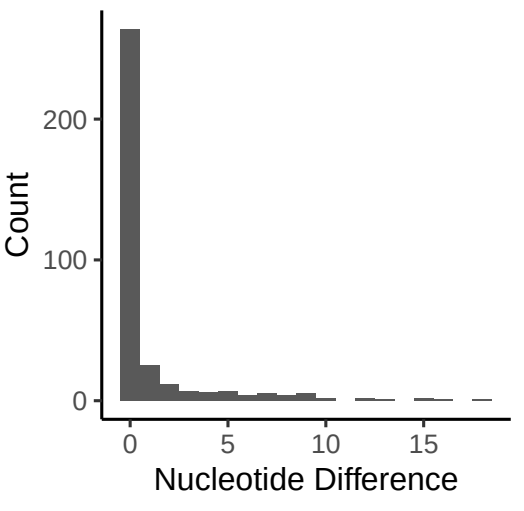

## IGHV1−58*01

42 sequences assigned
32 (76.2%) exact matches, in which:
32 unique CDR3
6 unique J



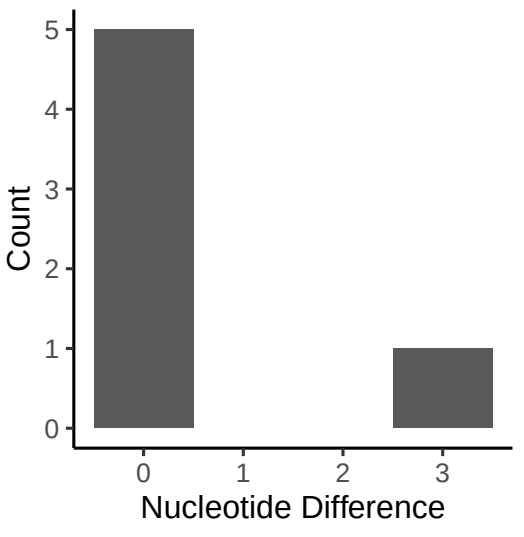

## IGHV1−3*01

351 sequences assigned
264 (75.2%) exact matches, in which:
264 unique CDR3
6 unique J



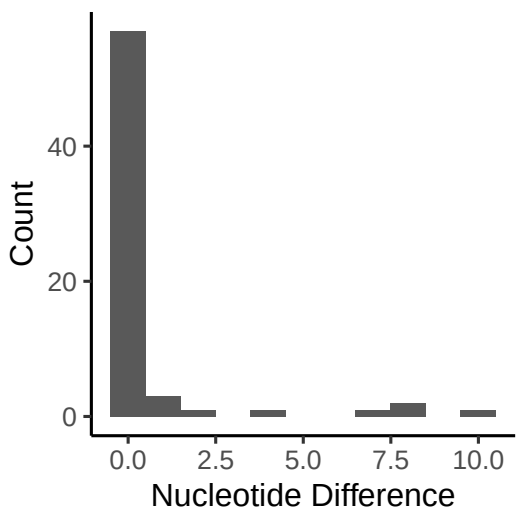

## IGHV1−45*02

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
2 unique J



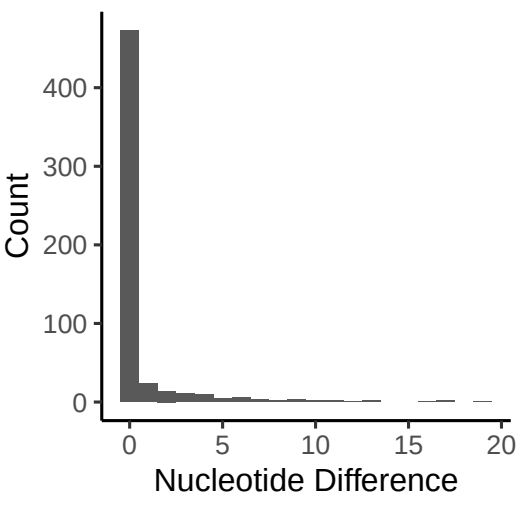

## IGHV1−69−2*01

66 sequences assigned
57 (86.4%) exact matches, in which:
57 unique CDR3
6 unique J



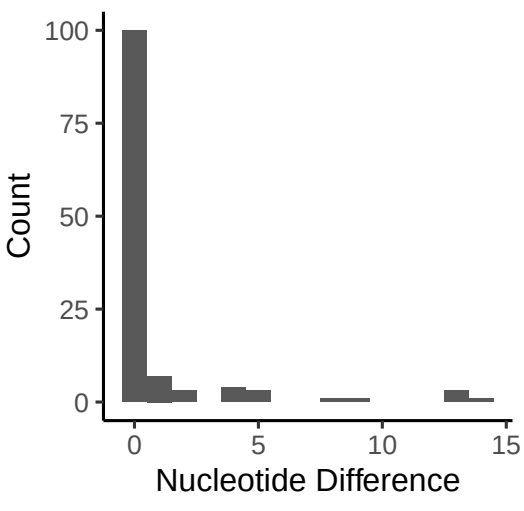

## IGHV1−18*01

561 sequences assigned
473 (84.3%) exact matches, in which:
473 unique CDR3
7 unique J



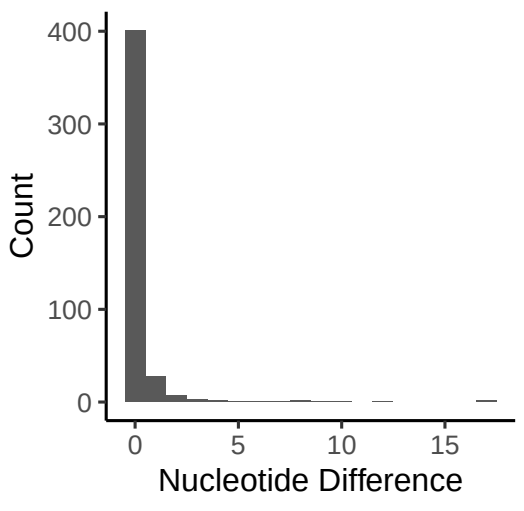

## IGHV1−46*01

125 sequences assigned
100 (80%) exact matches, in which:
100 unique CDR3
7 unique J



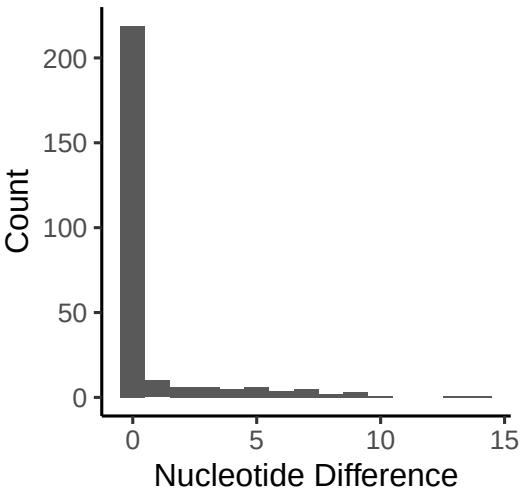

## IGHV1−69*06

451 sequences assigned
401 (88.9%) exact matches, in which:
401 unique CDR3
7 unique J



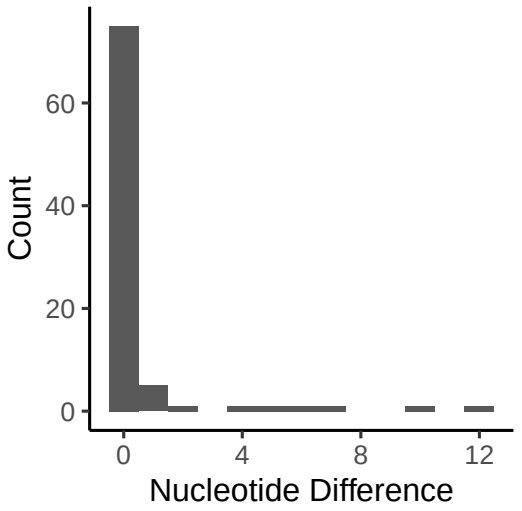
## IGHV2−5*02

269 sequences assigned
219 (81.4%) exact matches, in which:
219 unique CDR3
7 unique J



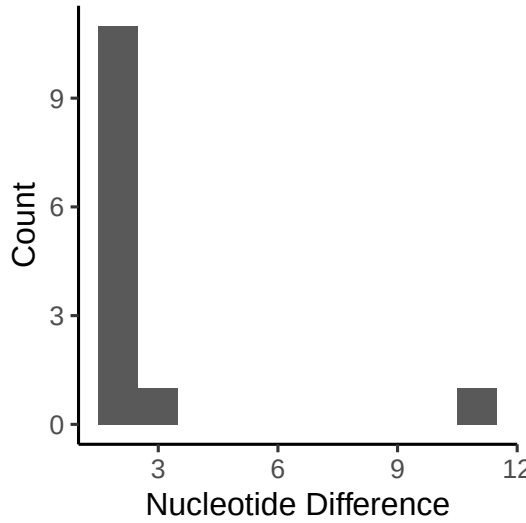

## IGHV2−70*15

87 sequences assigned
75 (86.2%) exact matches, in which:
75 unique CDR3
6 unique J



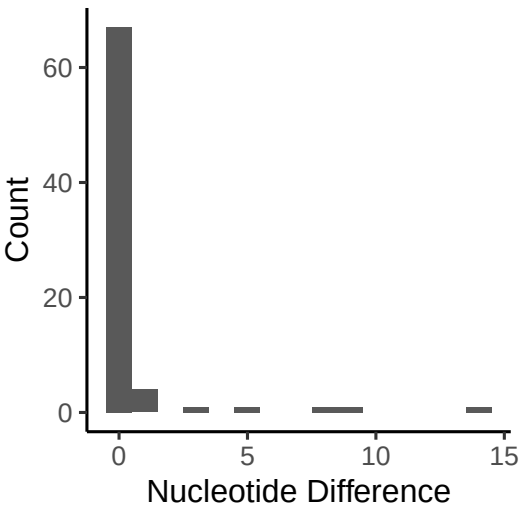

## IGHV3−13*01

13 sequences assigned
No exact matches.



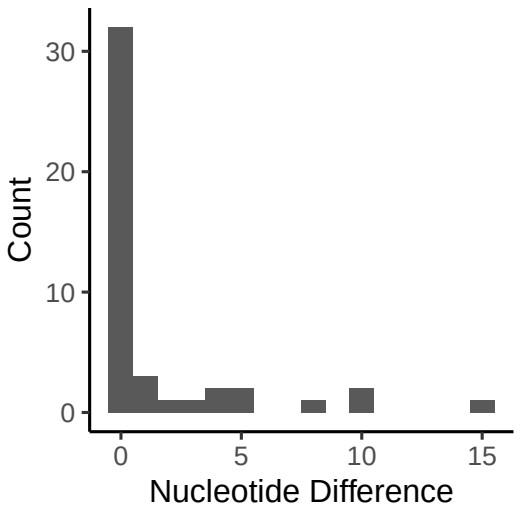

## IGHV2−26*01

76 sequences assigned
67 (88.2%) exact matches, in which:
67 unique CDR3
7 unique J



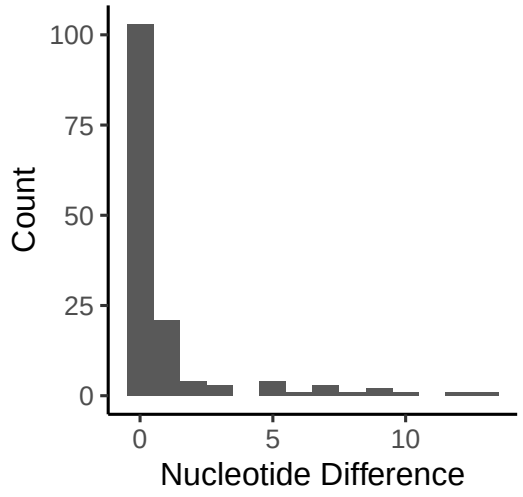

## IGHV3−7*04

45 sequences assigned
32 (71.1%) exact matches, in which:
32 unique CDR3
6 unique J



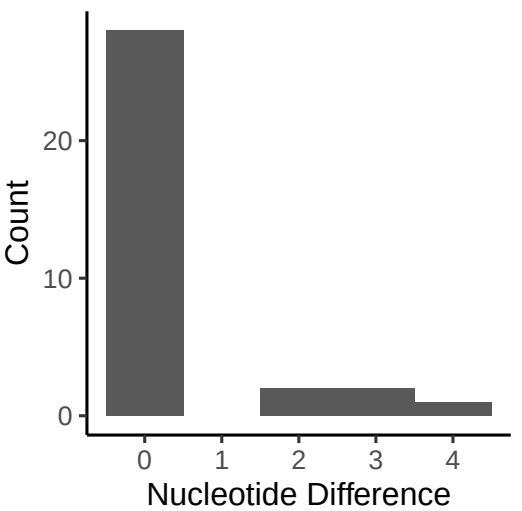

## IGHV3−15*07

145 sequences assigned
103 (71%) exact matches, in which:
103 unique CDR3
7 unique J



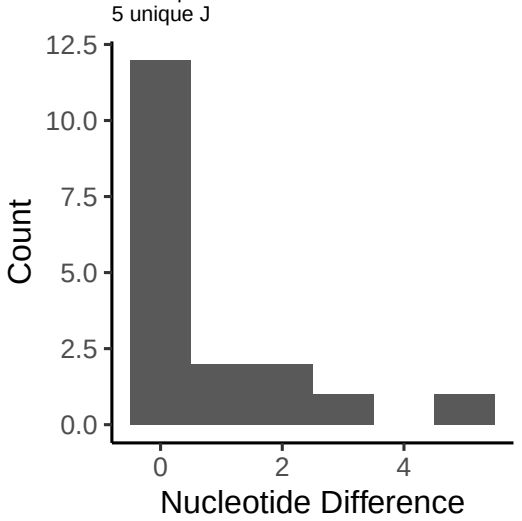

## IGHV2−70*01

33 sequences assigned
28 (84.8%) exact matches, in which:
28 unique CDR3
4 unique J



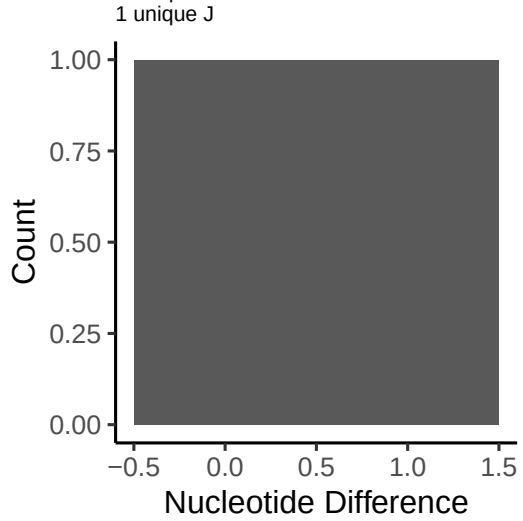

## IGHV3−11*06

18 sequences assigned
12 (66.7%) exact matches, in which:
12 unique CDR3
5 unique J



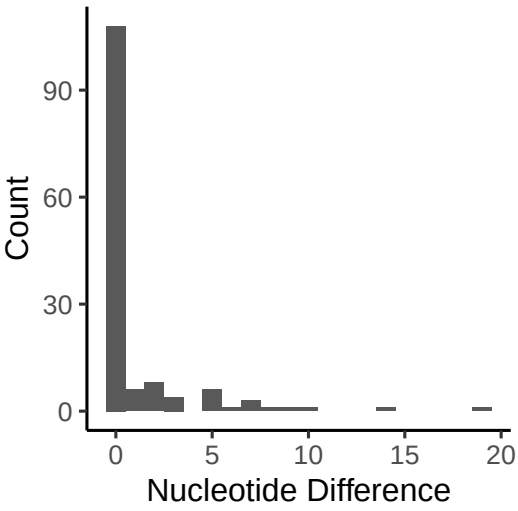

## IGHV3−20*04

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



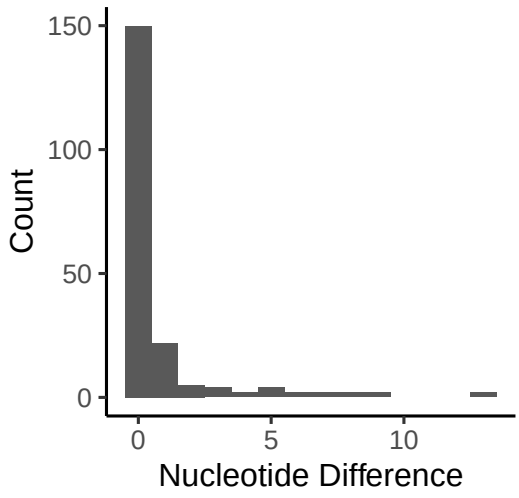
## IGHV3−21*01

141 sequences assigned
108 (76.6%) exact matches, in which:
108 unique CDR3
6 unique J



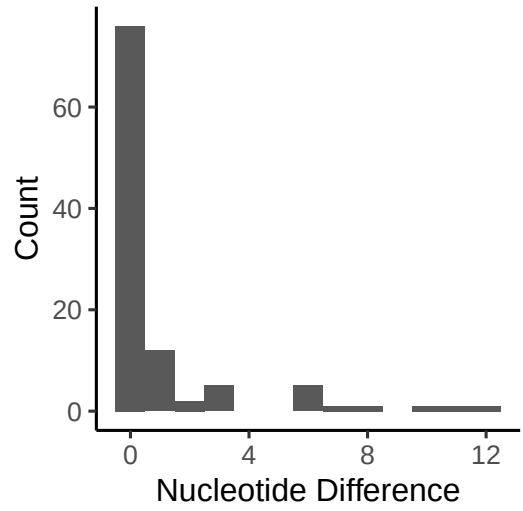

## IGHV3−33*01

197 sequences assigned
150 (76.1%) exact matches, in which:
150 unique CDR3
7 unique J



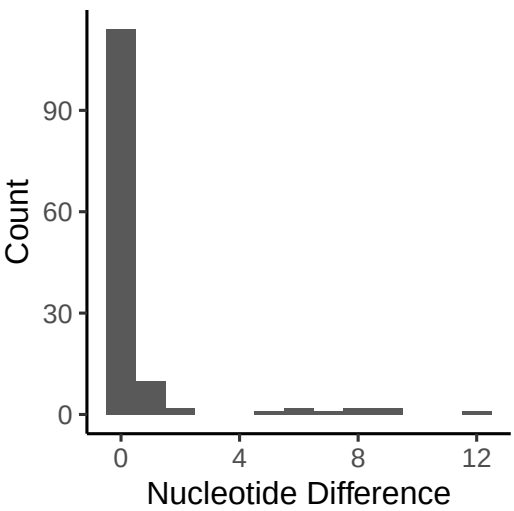

## IGHV3−48*03

105 sequences assigned
76 (72.4%) exact matches, in which:
76 unique CDR3
5 unique J



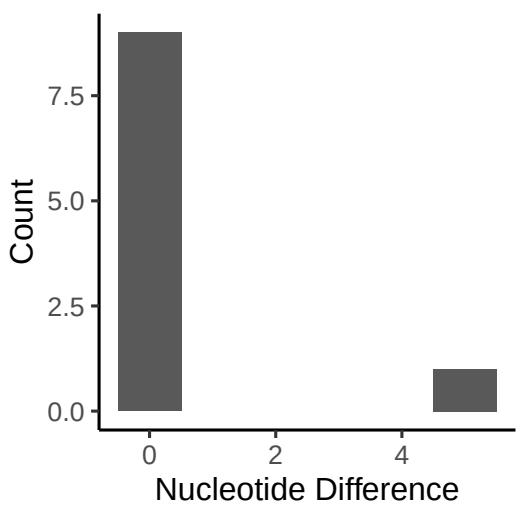

## IGHV3−30−3*01

135 sequences assigned
114 (84.4%) exact matches, in which:
114 unique CDR3
5 unique J



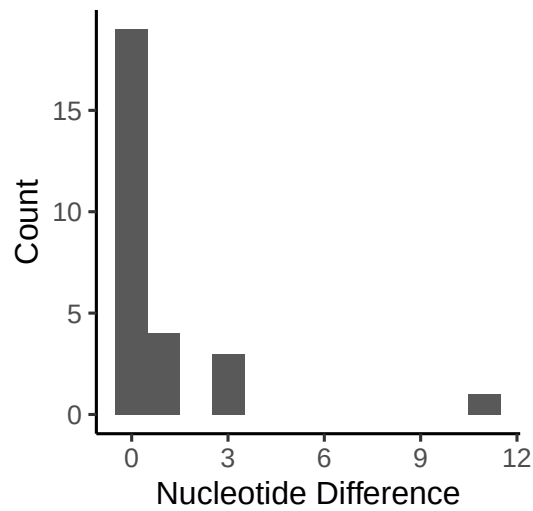

## IGHV3−43*01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
4 unique J



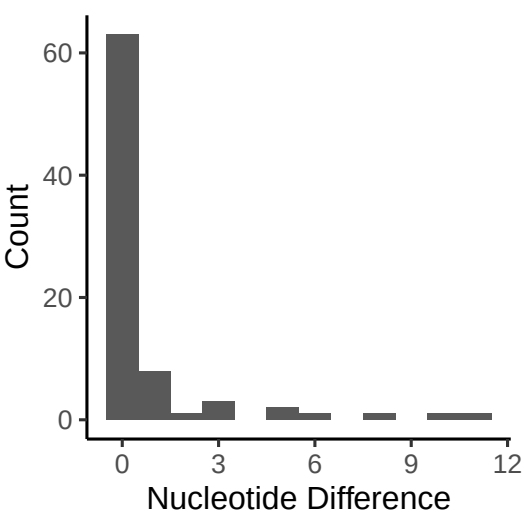

## IGHV3−49*03

27 sequences assigned
19 (70.4%) exact matches, in which:
19 unique CDR3
6 unique J



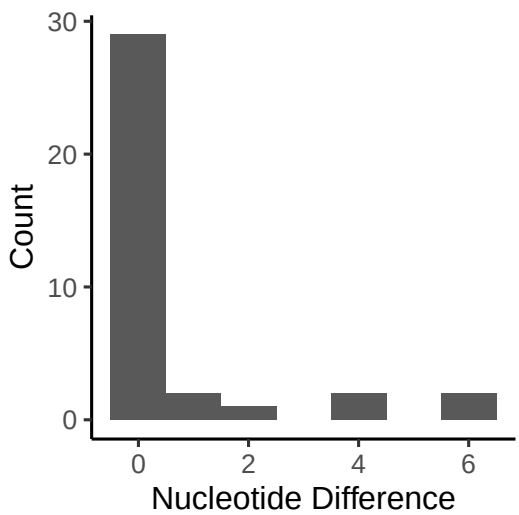

## IGHV3−30*01

81 sequences assigned
63 (77.8%) exact matches, in which:
63 unique CDR3
6 unique J



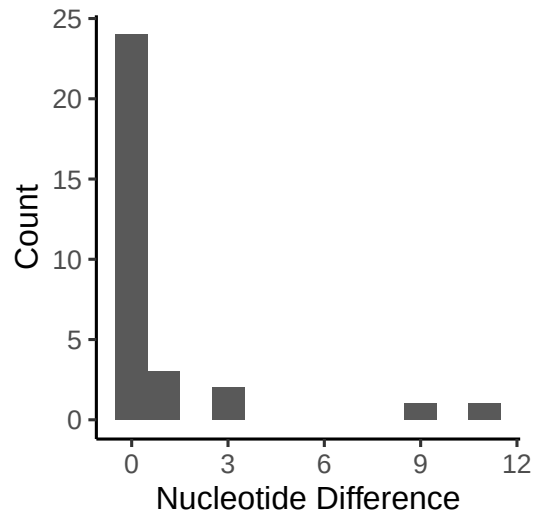

## IGHV3−48*01

37 sequences assigned
29 (78.4%) exact matches, in which:
29 unique CDR3
5 unique J



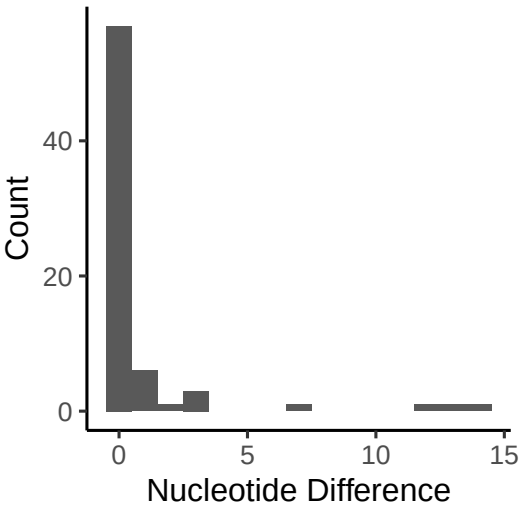

## IGHV3−49*04

31 sequences assigned
24 (77.4%) exact matches, in which:
24 unique CDR3
3 unique J



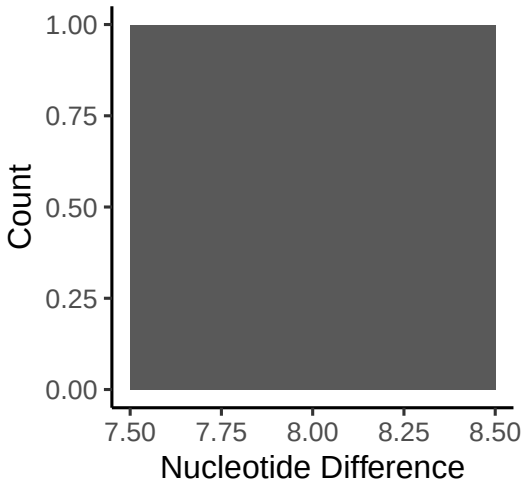
## IGHV3−53*01

71 sequences assigned
57 (80.3%) exact matches, in which:
57 unique CDR3
6 unique J



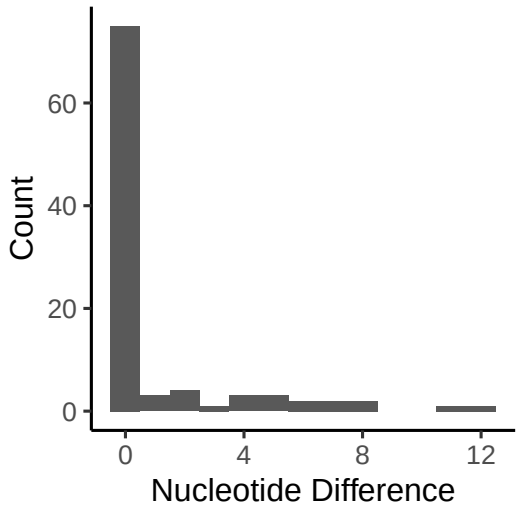

## IGHV3−64*04

1 sequences assigned
No exact matches.



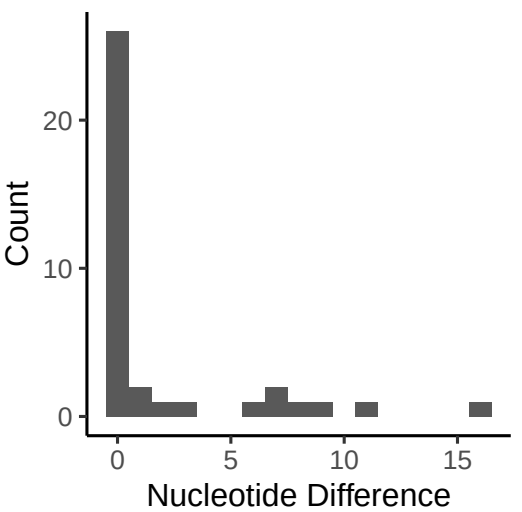

## IGHV3−74*01

97 sequences assigned
75 (77.3%) exact matches, in which:
75 unique CDR3
5 unique J



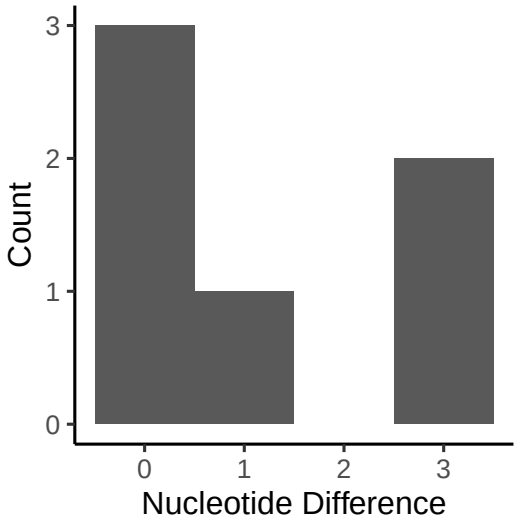

## IGHV3−53*02

37 sequences assigned
26 (70.3%) exact matches, in which:
26 unique CDR3
3 unique J



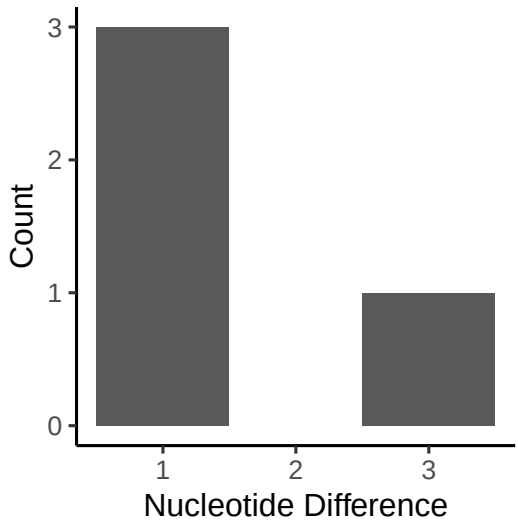

## IGHV3−72*01

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



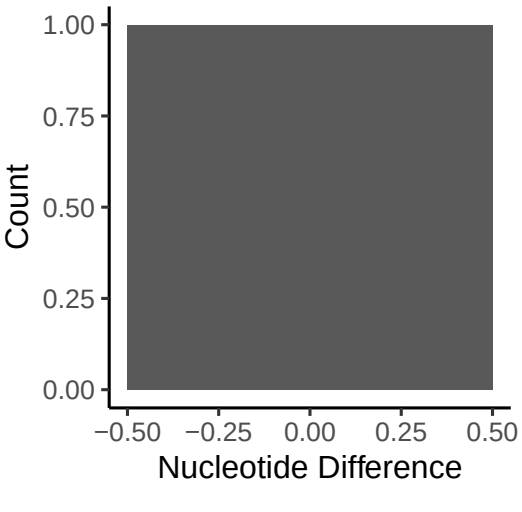

## IGHV3−43D*04

4 sequences assigned
No exact matches.



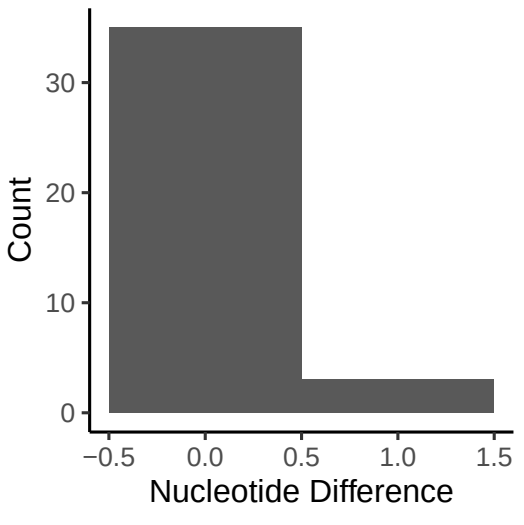

## IGHV3−64*02

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



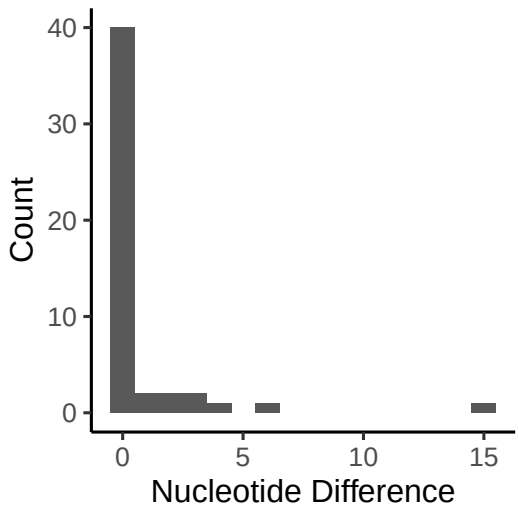

## IGHV3−73*02

38 sequences assigned
35 (92.1%) exact matches, in which:
35 unique CDR3
6 unique J



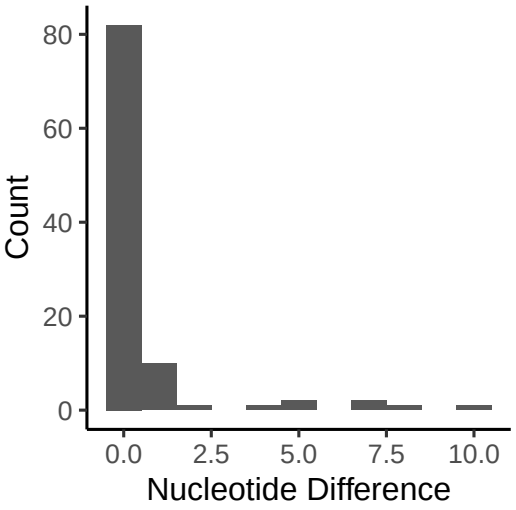

## IGHV3−64D*06

49 sequences assigned
40 (81.6%) exact matches, in which:
40 unique CDR3
6 unique J



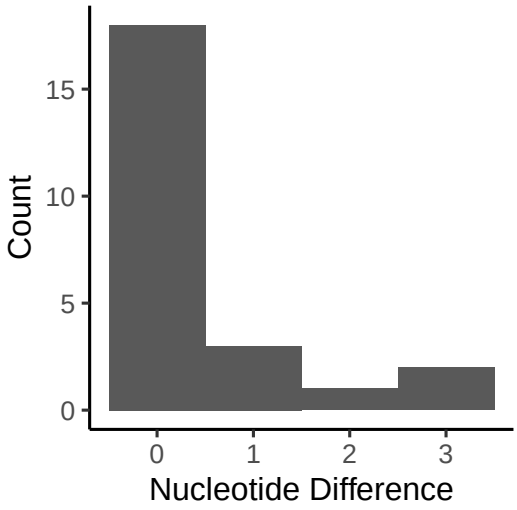
## IGHV4−4*02

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



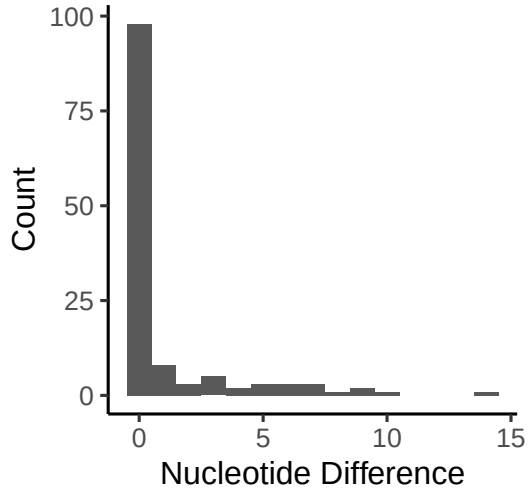

## IGHV4−31*01

24 sequences assigned
18 (75%) exact matches, in which:
18 unique CDR3
5 unique J



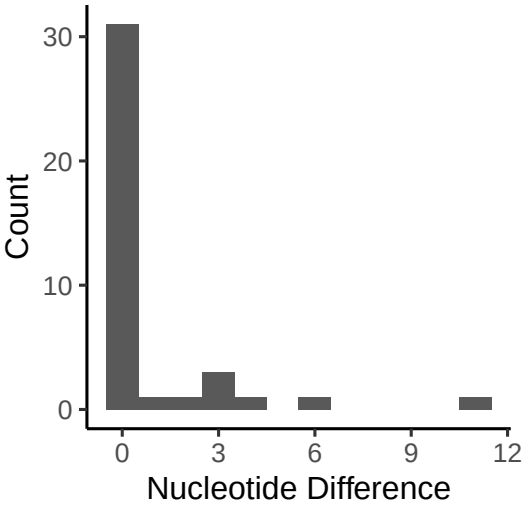

## IGHV4−38−2*02_A70G

130 sequences assigned
98 (75.4%) exact matches, in which:
98 unique CDR3
6 unique J



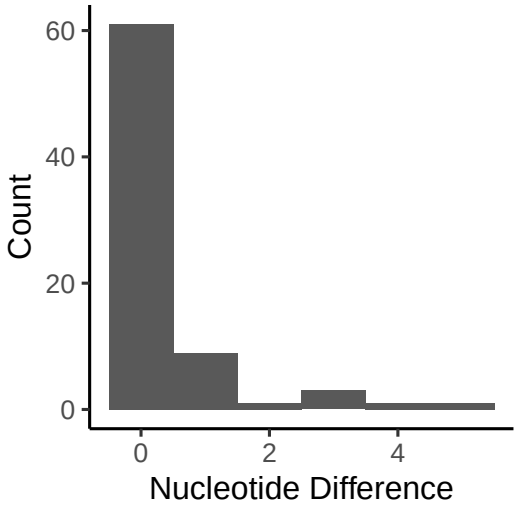

## IGHV4−30−2*01

39 sequences assigned
31 (79.5%) exact matches, in which:
31 unique CDR3
4 unique J



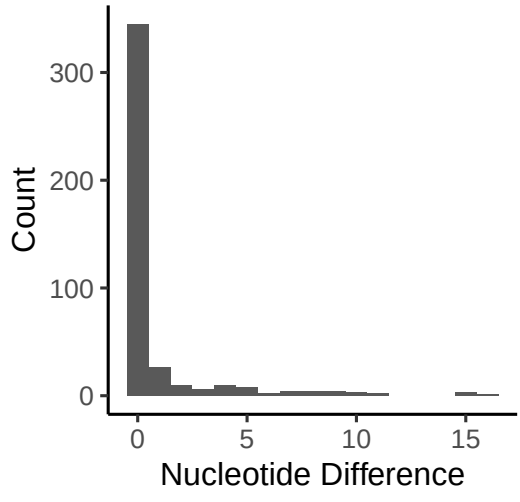

## IGHV4−31*03

76 sequences assigned
61 (80.3%) exact matches, in which:
61 unique CDR3
6 unique J



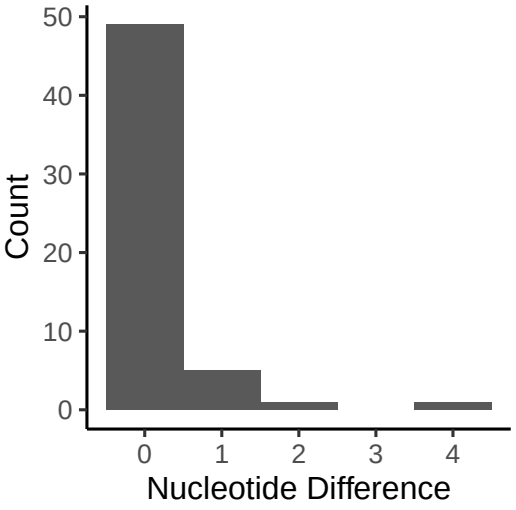

## IGHV4−39*01

429 sequences assigned
345 (80.4%) exact matches, in which:
345 unique CDR3
7 unique J



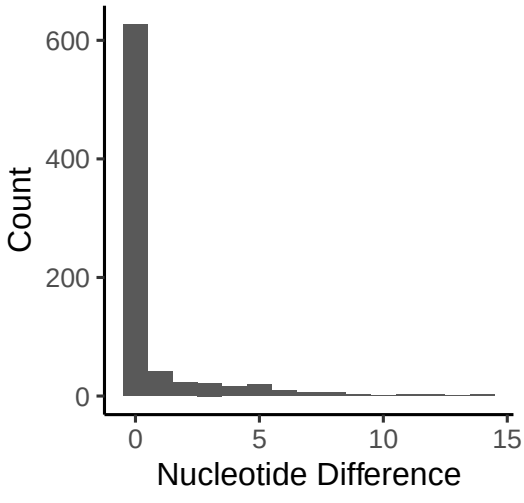

## IGHV4−30−4*01

56 sequences assigned
49 (87.5%) exact matches, in which:
49 unique CDR3
6 unique J



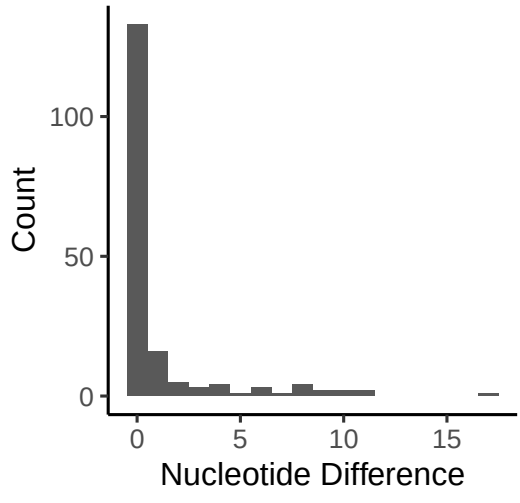

## IGHV4−34*01

783 sequences assigned
627 (80.1%) exact matches, in which:
627 unique CDR3
7 unique J



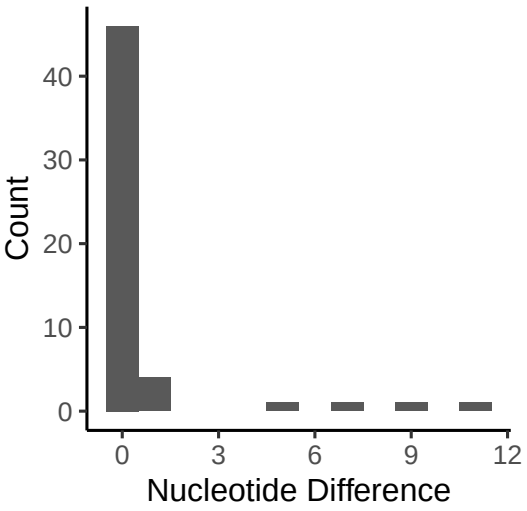

## IGHV4−59*01

177 sequences assigned
133 (75.1%) exact matches, in which:
133 unique CDR3
6 unique J



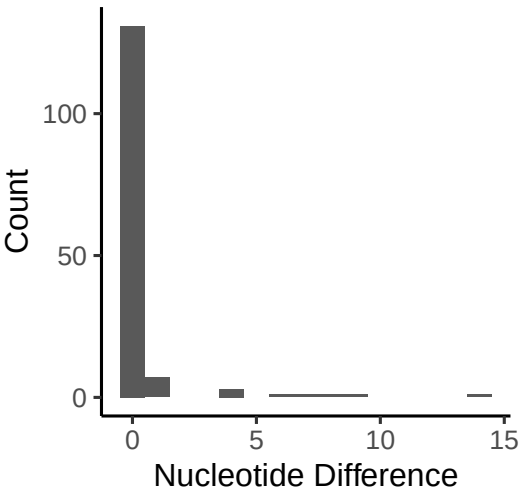
## IGHV4−61*01

55 sequences assigned
46 (83.6%) exact matches, in which:
46 unique CDR3
6 unique J



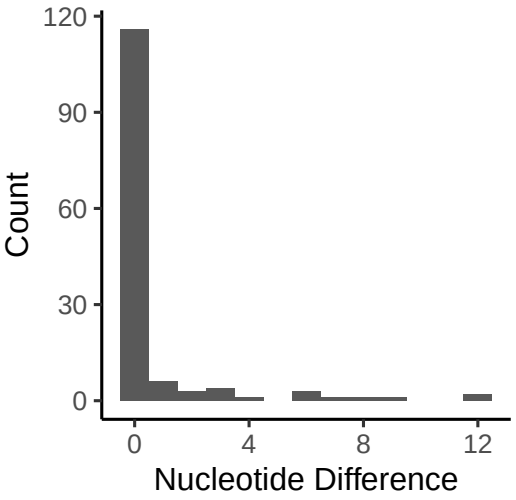

## IGHV6−1*01

146 sequences assigned
131 (89.7%) exact matches, in which:
131 unique CDR3
6 unique J



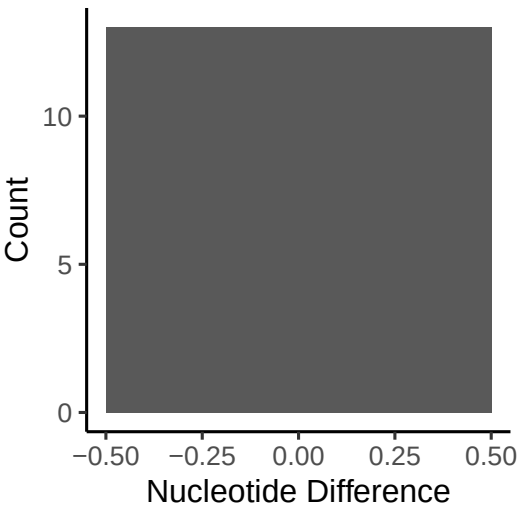

## IGHV5−10−1*03

138 sequences assigned
116 (84.1%) exact matches, in which:
116 unique CDR3
7 unique J



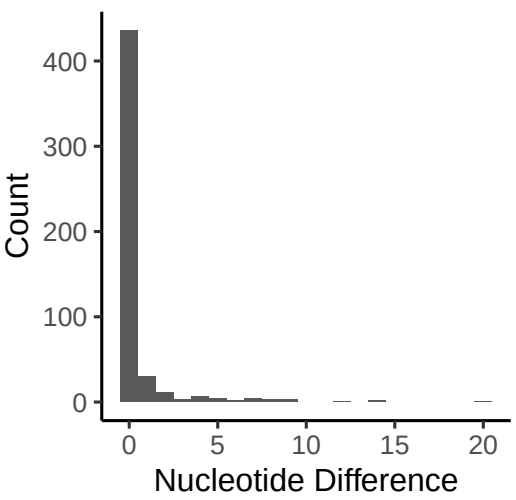

## IGHV7−4−1*01

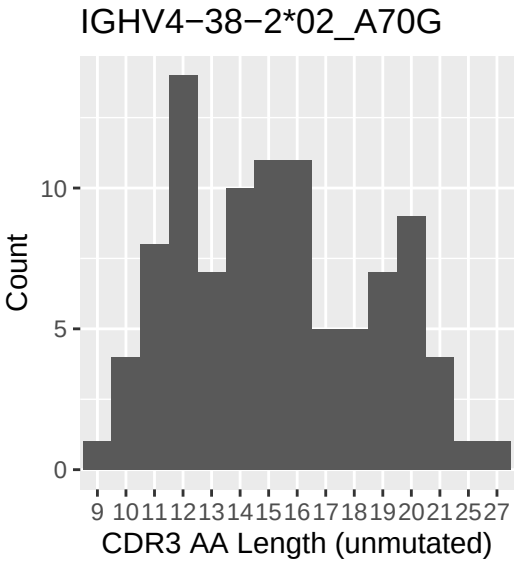
13 sequences assigned
13 (100%) exact matches, in which:
13 unique CDR3
5 unique J

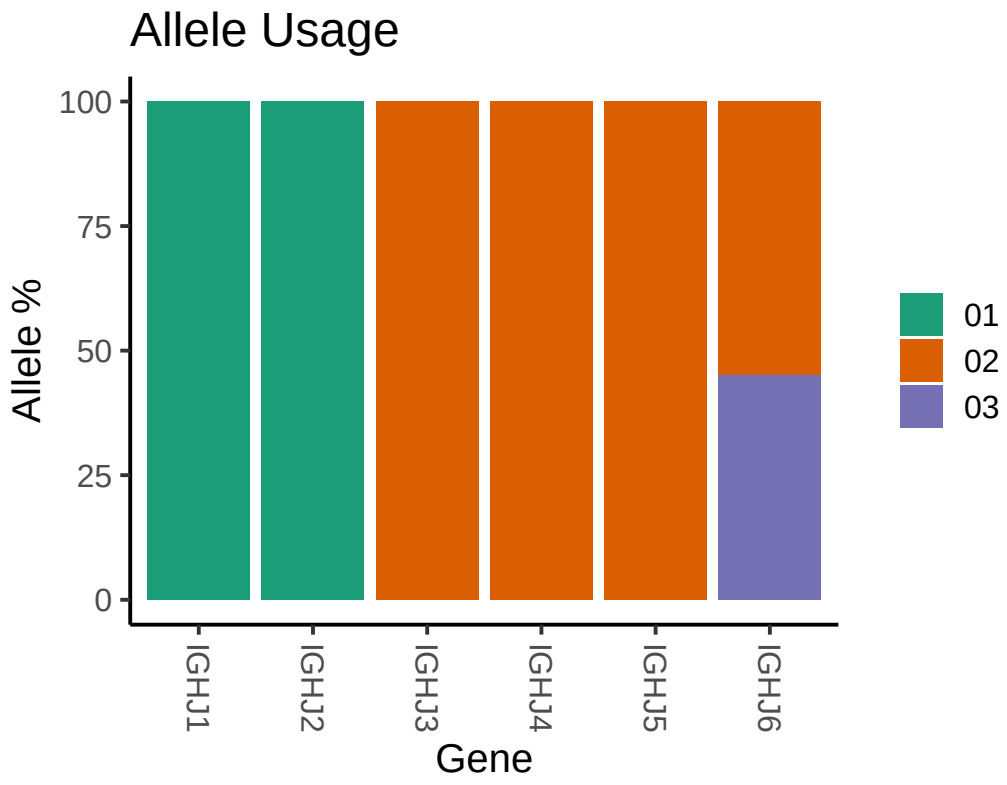


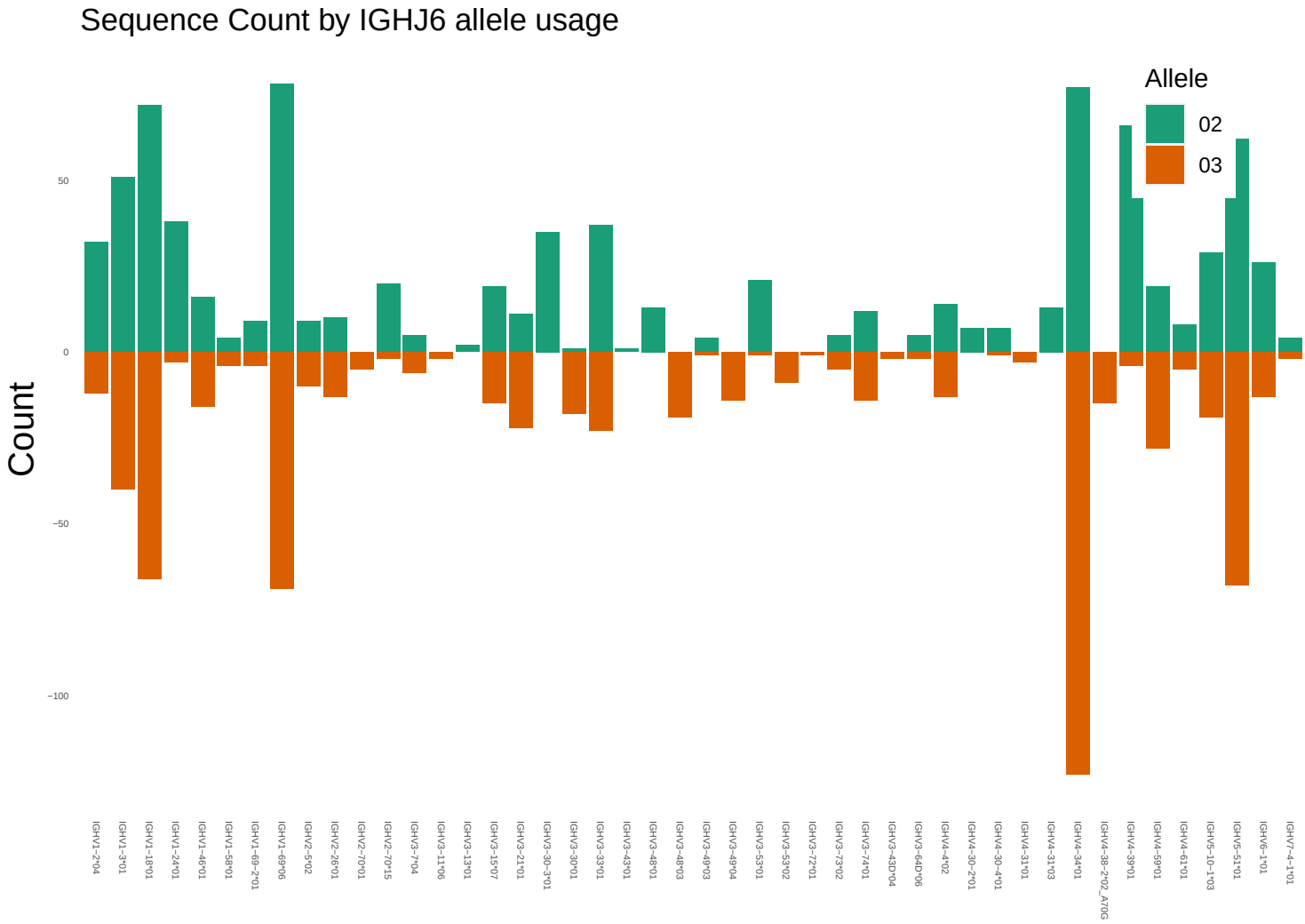

## IGHV5−51*01

508 sequences assigned
436 (85.8%) exact matches, in which:
436 unique CDR3
7 unique J




IGHV4−38−2*02_A70G
Count
0
5
10
9 10 11 12 13 14 15 16 17 18 19 20 21 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
50
0
−50
−100
IGHV1-2*04
IGHV1-3*01
IGHV1-18*01
IGHV1-24*01
IGHV1-46*01
IGHV1-58*01
IGHV1-69-2*01
IGHV1-69*06
IGHV2-5*02
IGHV2-26*01
IGHV2-70*01
IGHV2-70*15
IGHV3-7*04
IGHV3-11*06
IGHV3-13*01
IGHV3-15*07
IGHV3-21*01
IGHV3-30-3*01
IGHV3-30*01
IGHV3-33*01
IGHV3-43*01
IGHV3-48*01
IGHV3-48*03
IGHV3-49*03
IGHV3-49*04
IGHV3-53*01
IGHV3-53*02
IGHV3-72*01
IGHV3-73*02
IGHV3-74*01
IGHV3-43D*04
IGHV3-64D*06
IGHV4-4*02
IGHV4-30-2*01
IGHV4-30-4*01
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*01

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.