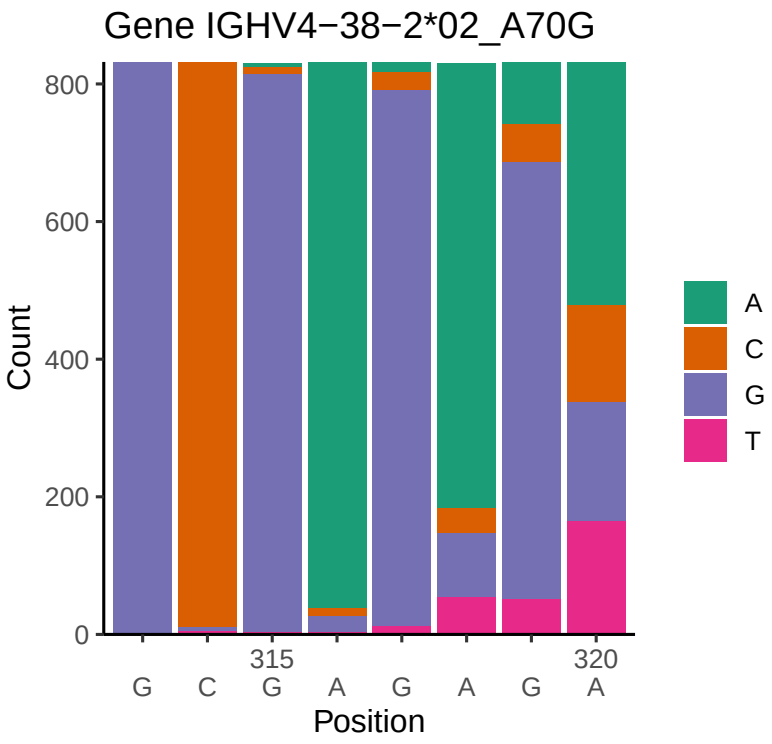
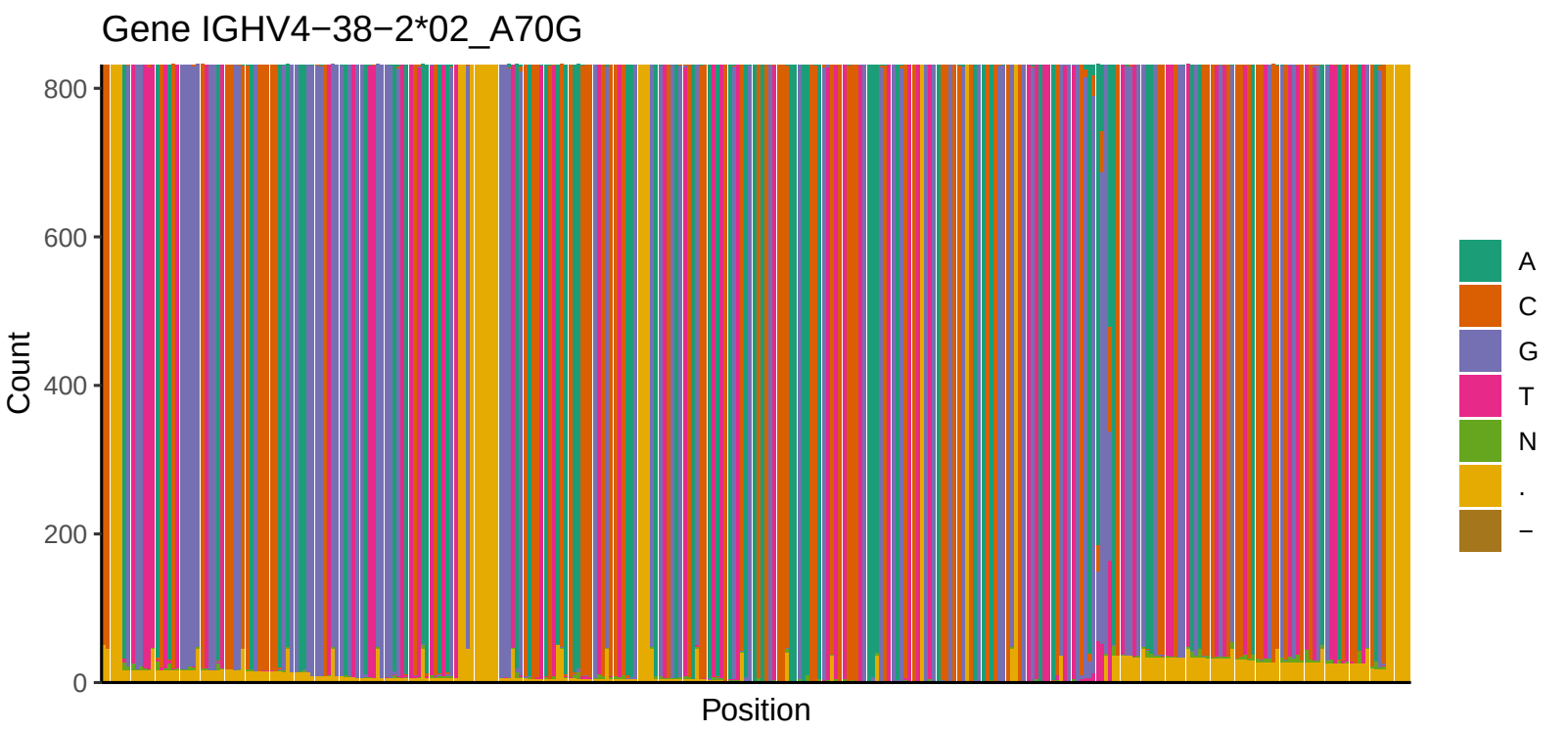
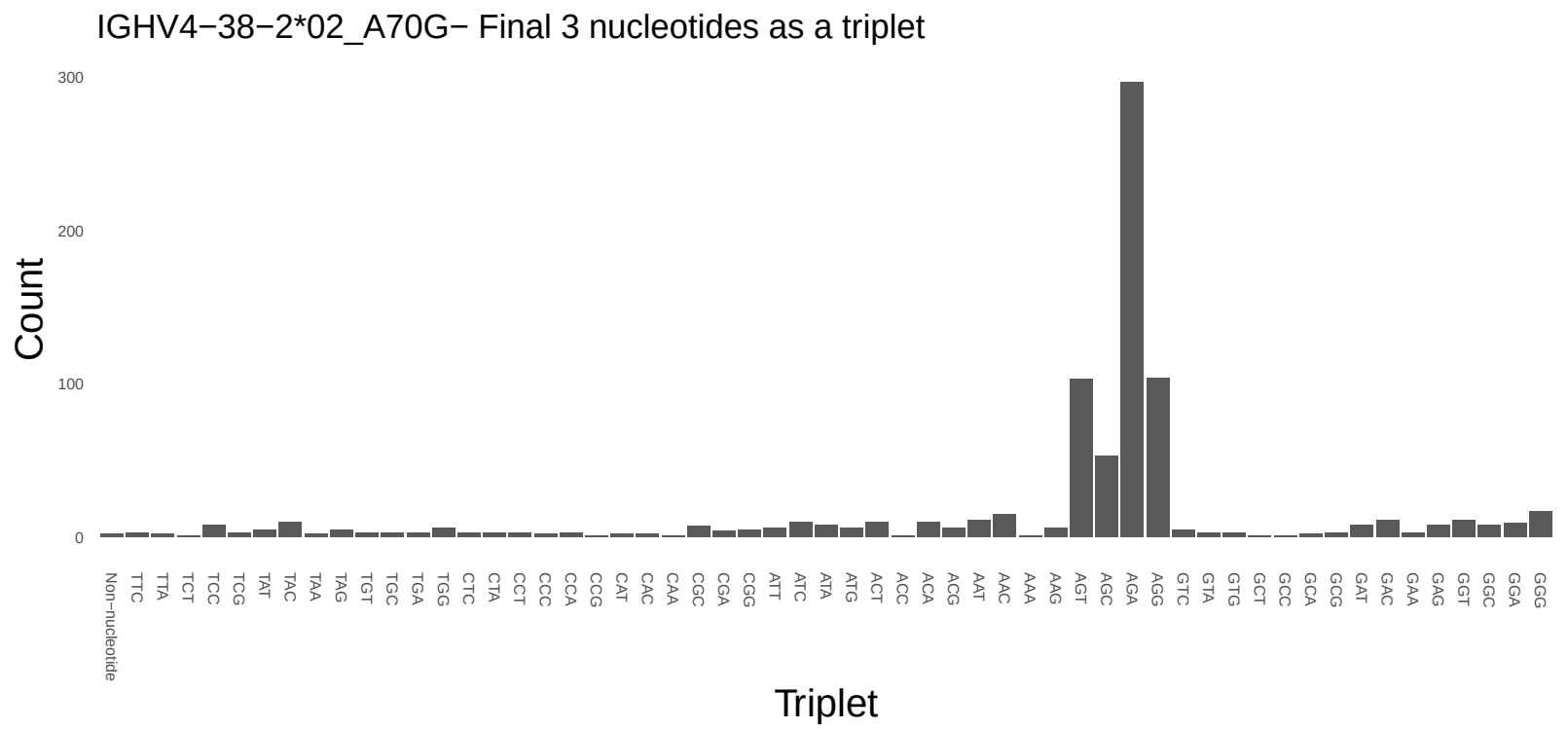
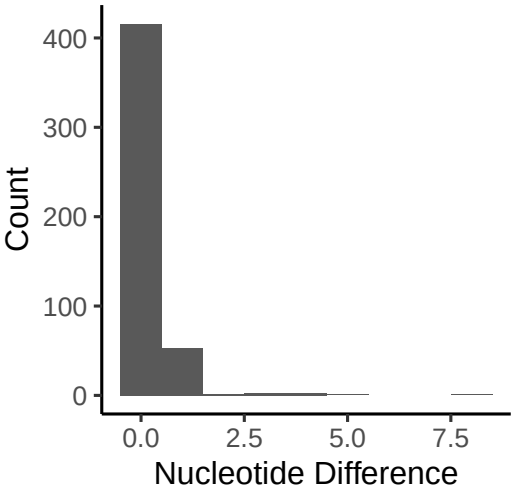

Gene IGHV4−38−2*02_A70G
800
600
400
200
0
Count
G C G A G A G A
315
320
Position
A
C
G
T


Gene IGHV4−38−2*02_A70G
Count
800
600
400
200
0
Position
A
C
G
T
N
.
−


IGHV4−38−2*02_A70G− Final 3 nucleotides as a triplet
Count
300
200
100
0
Non−nucleotide
TTC
TTA
TCT
TCC
TCG
TAT
TAC
TAA
TAG
TGT
TGC
TGA
TGG
CTC
CTA
CCT
CCC
CCA
CCG
CAT
CAC
CAA
CGC
CGA
CGG
ATT
ATC
ATA
ATG
ACT
ACC
ACA
ACG
AAT
AAC
AAA
AAG
AGT
AGC
AGA
AGG
GTC
GTA
GTG
GCT
GCC
GCA
GCG
GAT
GAC
GAA
GAG
GGT
GGC
GGA
GGG
Triplet

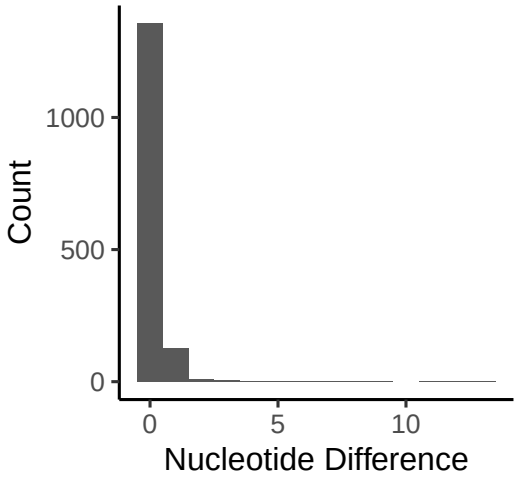
IGHV1−2*04

479 sequences assigned
416 (86.8%) exact matches, in which:
387 unique CDR3
6 unique J



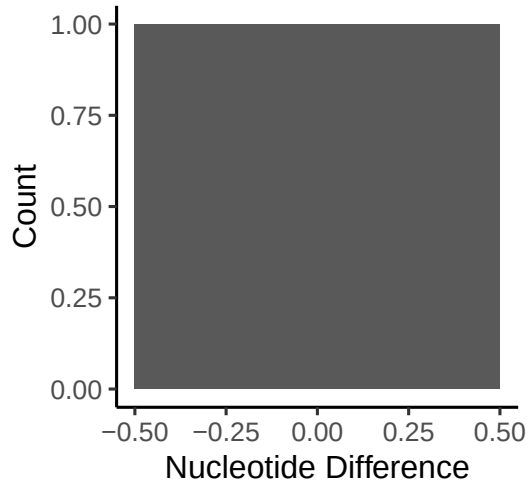
IGHV1−8*01

1515 sequences assigned
1356 (89.5%) exact matches, in which:
1238 unique CDR3
6 unique J



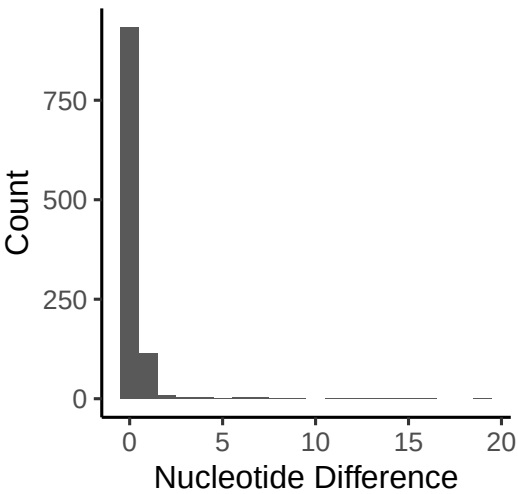
IGHV1−45*03

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



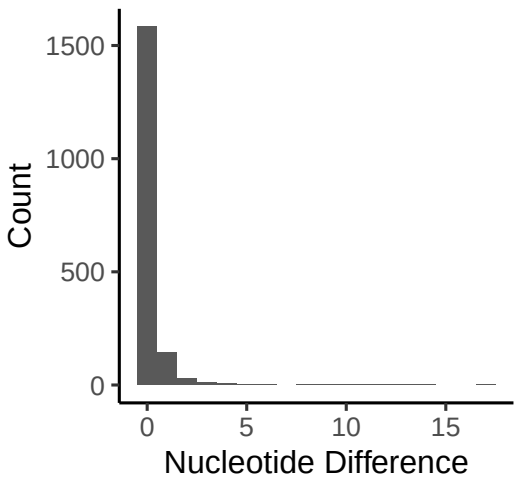
IGHV1−2*06

1090 sequences assigned
934 (85.7%) exact matches, in which:
851 unique CDR3
6 unique J



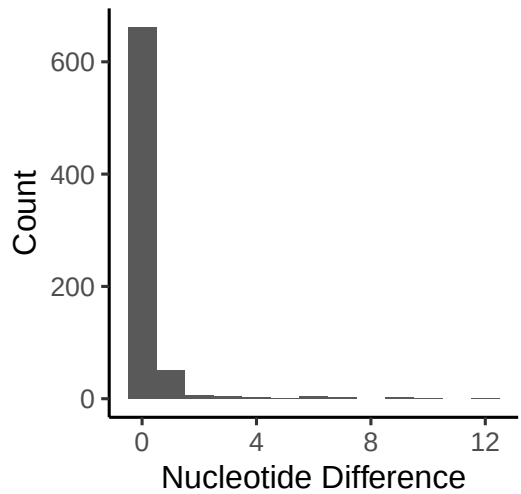
IGHV1−18*01

1799 sequences assigned
1583 (88%) exact matches, in which:
1476 unique CDR3
6 unique J



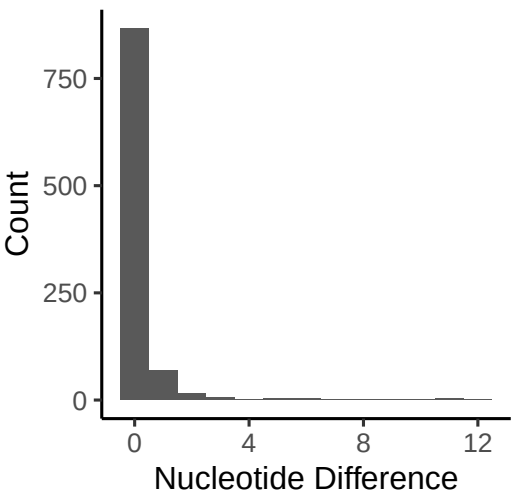
IGHV1−46*01

739 sequences assigned
662 (89.6%) exact matches, in which:
603 unique CDR3
6 unique J



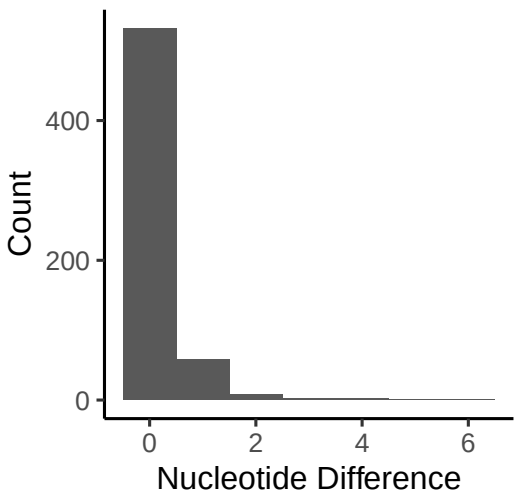
IGHV1−3*01

979 sequences assigned
867 (88.6%) exact matches, in which:
813 unique CDR3
6 unique J



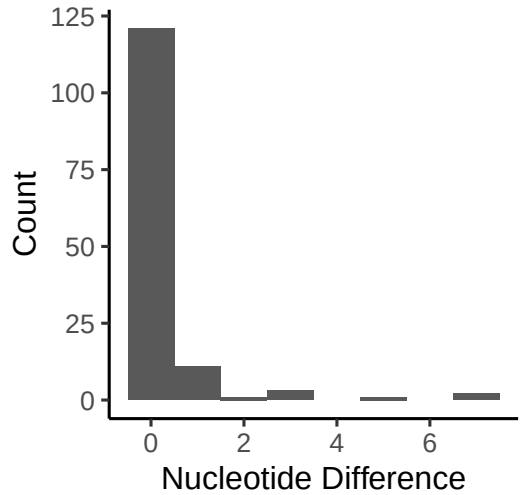
IGHV1−24*01

605 sequences assigned
532 (87.9%) exact matches, in which:
494 unique CDR3
6 unique J



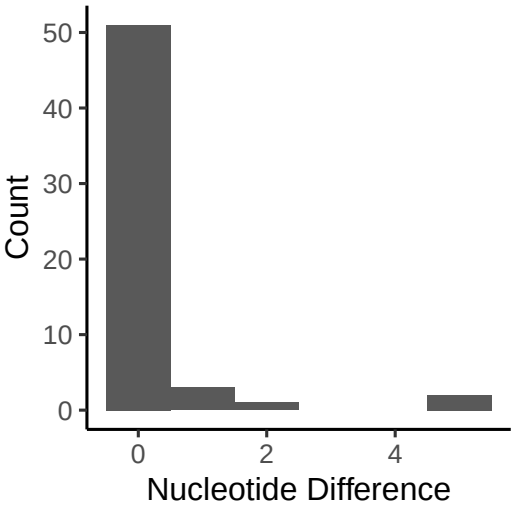
IGHV1−58*01

139 sequences assigned
121 (87.1%) exact matches, in which:
112 unique CDR3
5 unique J



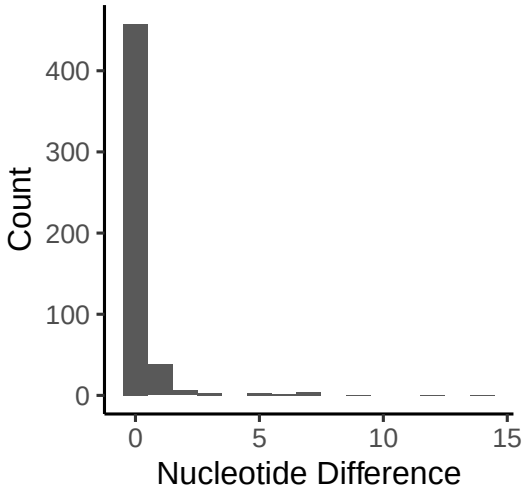
IGHV1−58*02

57 sequences assigned
51 (89.5%) exact matches, in which:
47 unique CDR3
4 unique J



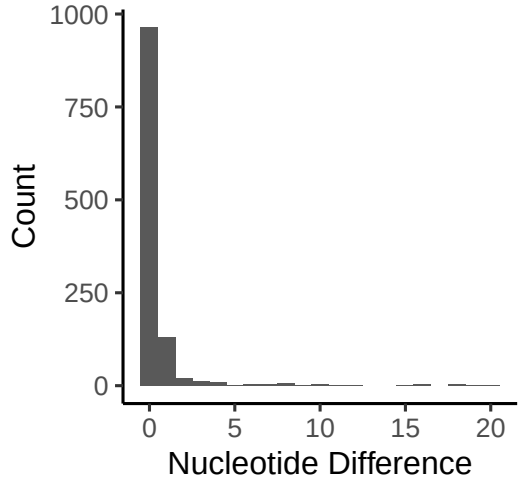
IGHV2−26*01

518 sequences assigned
458 (88.4%) exact matches, in which:
430 unique CDR3
6 unique J



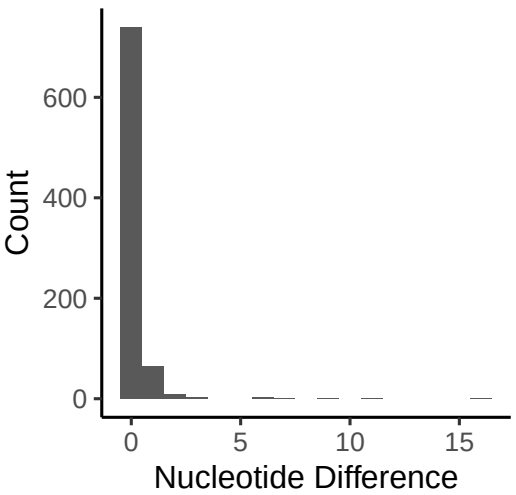
IGHV3−7*01

1177 sequences assigned
964 (81.9%) exact matches, in which:
884 unique CDR3
6 unique J



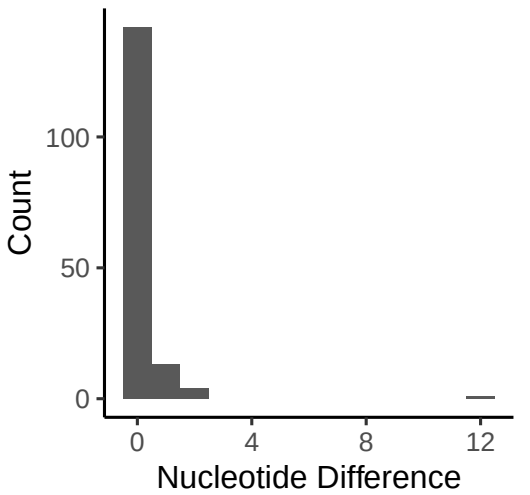
IGHV1−69*04

822 sequences assigned
740 (90%) exact matches, in which:
676 unique CDR3
6 unique J



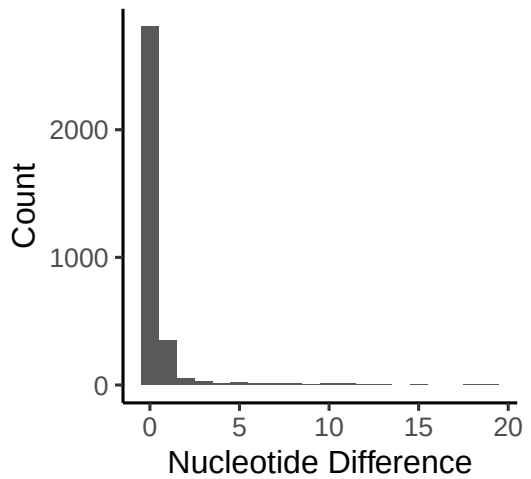
IGHV2−70*01

160 sequences assigned
142 (88.8%) exact matches, in which:
138 unique CDR3
5 unique J



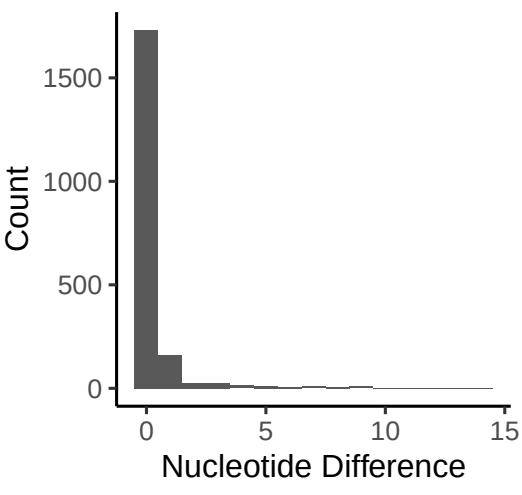
IGHV3−9*01

3331 sequences assigned
2807 (84.3%) exact matches, in which:
2452 unique CDR3
6 unique J



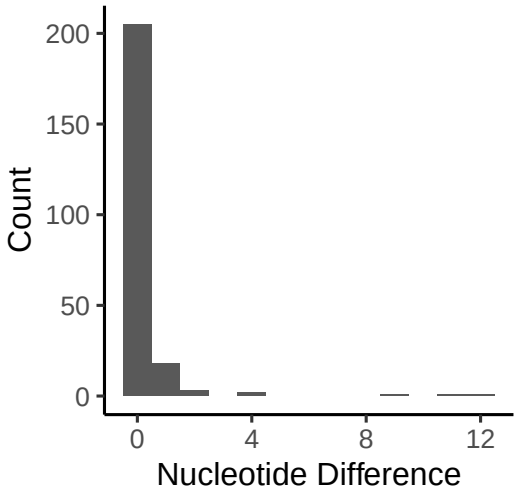
IGHV2−5*02

2010 sequences assigned
1731 (86.1%) exact matches, in which:
1615 unique CDR3
6 unique J



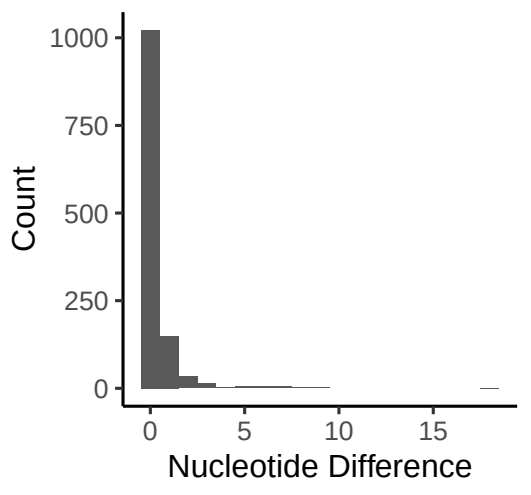
IGHV2−70*15

231 sequences assigned
205 (88.7%) exact matches, in which:
198 unique CDR3
6 unique J



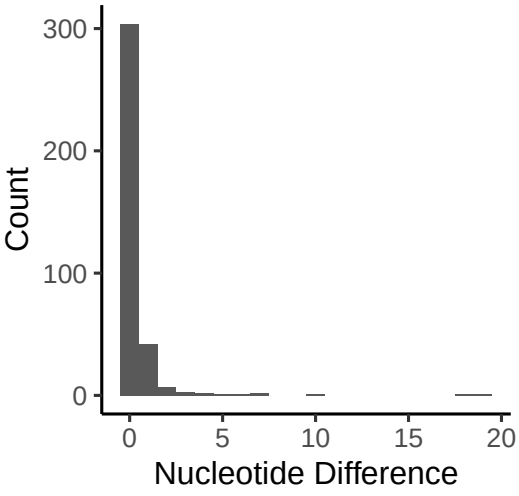
IGHV3−11*01

1243 sequences assigned
1022 (82.2%) exact matches, in which:
928 unique CDR3
6 unique J



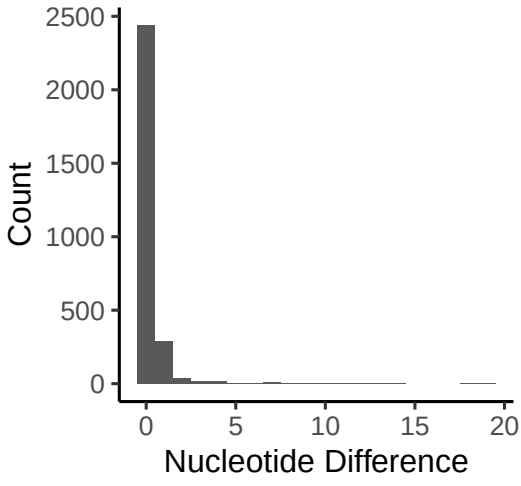
IGHV3−13*01

365 sequences assigned
304 (83.3%) exact matches, in which:
265 unique CDR3
6 unique J



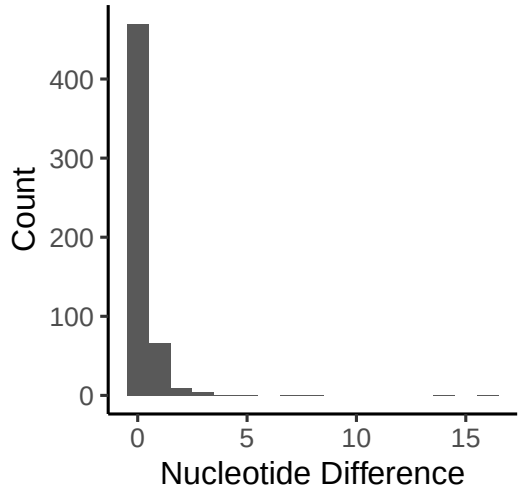
IGHV3−21*01

2836 sequences assigned
2438 (86%) exact matches, in which:
2156 unique CDR3
6 unique J



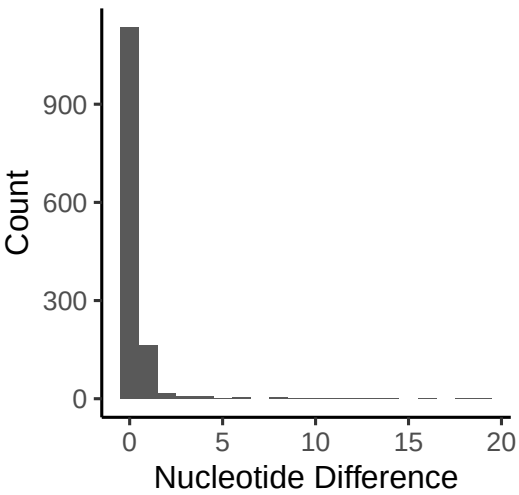
IGHV3−43*02

555 sequences assigned
470 (84.7%) exact matches, in which:
412 unique CDR3
6 unique J



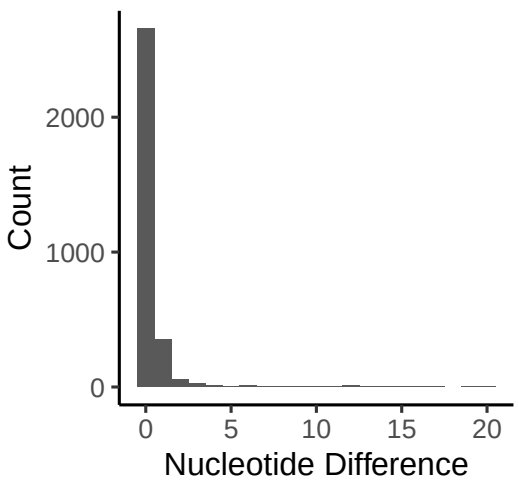
IGHV3−15*01

1355 sequences assigned
1136 (83.8%) exact matches, in which:
1020 unique CDR3
6 unique J



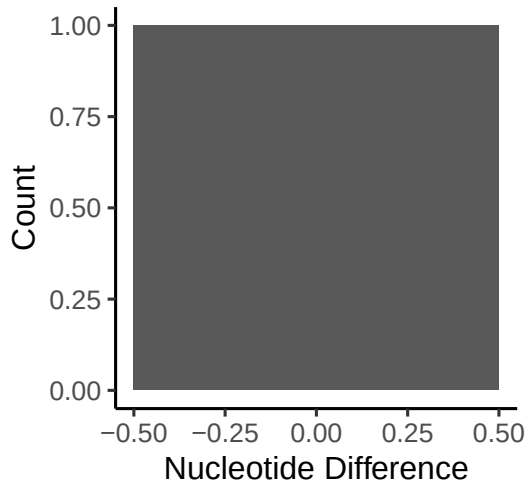
IGHV3−30−3*01

3164 sequences assigned
2656 (83.9%) exact matches, in which:
2342 unique CDR3
6 unique J



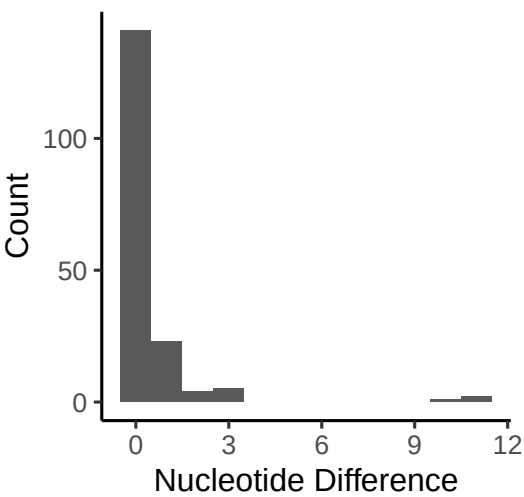
IGHV3−47*01

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



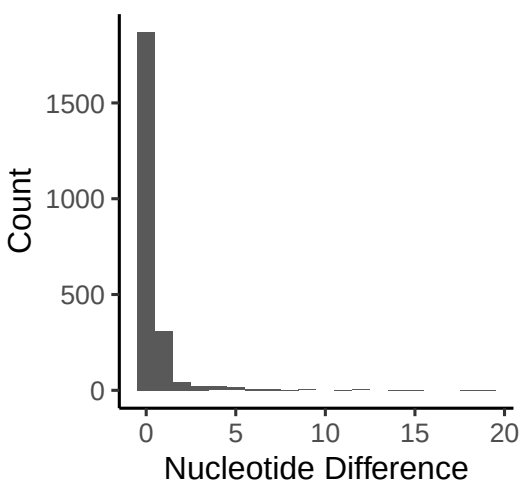
IGHV3−20*01

176 sequences assigned
141 (80.1%) exact matches, in which:
128 unique CDR3
6 unique J



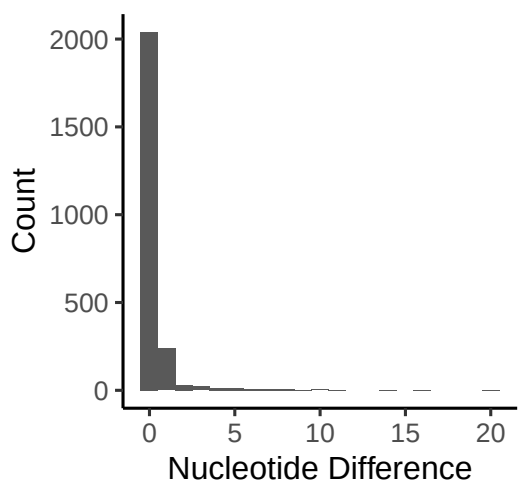
IGHV3−33*01

2322 sequences assigned
1870 (80.5%) exact matches, in which:
1670 unique CDR3
6 unique J



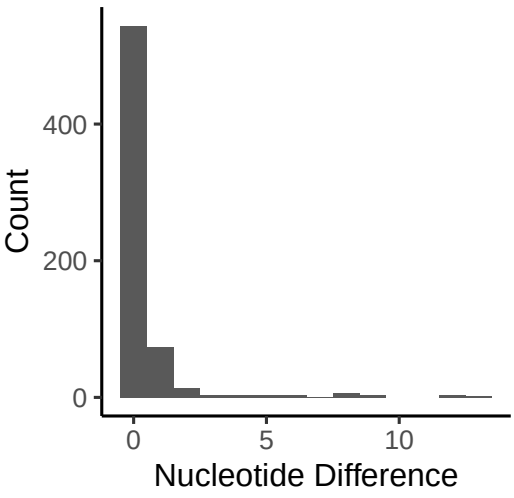
IGHV3−48*03

2390 sequences assigned
2040 (85.4%) exact matches, in which:
1833 unique CDR3
6 unique J



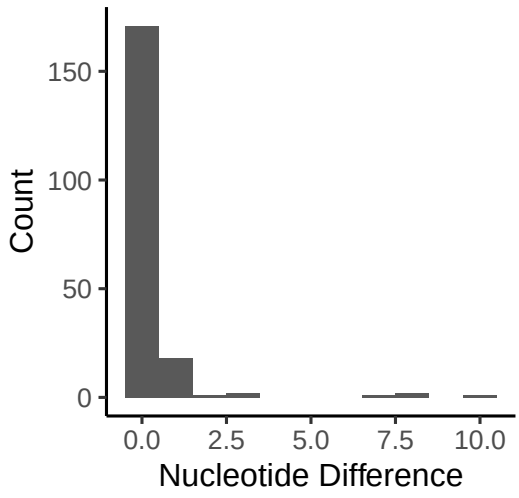
IGHV3−49*04

664 sequences assigned
544 (81.9%) exact matches, in which:
488 unique CDR3
6 unique J



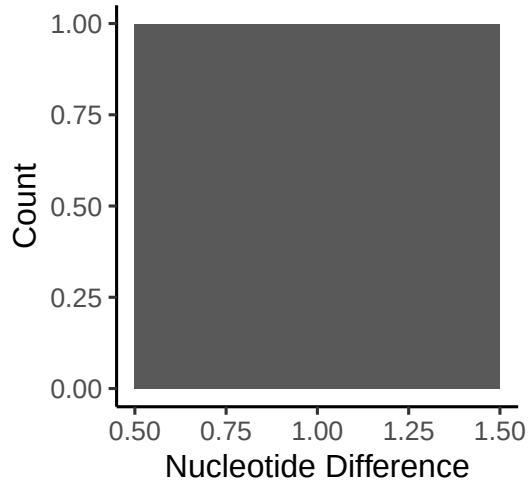
IGHV3−53*04

196 sequences assigned
171 (87.2%) exact matches, in which:
157 unique CDR3
6 unique J



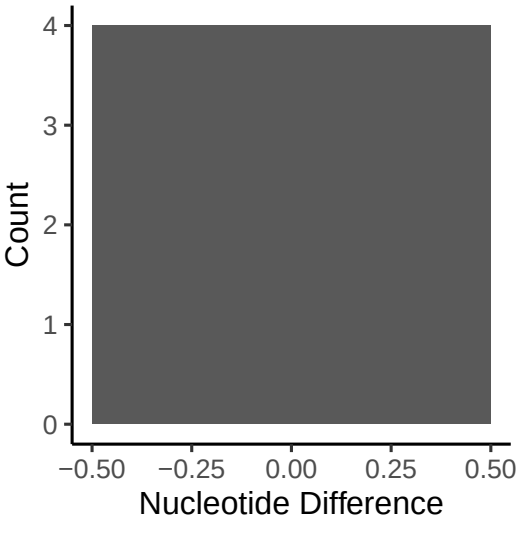
IGHV3−69−1*02

1 sequences assigned
No exact matches.



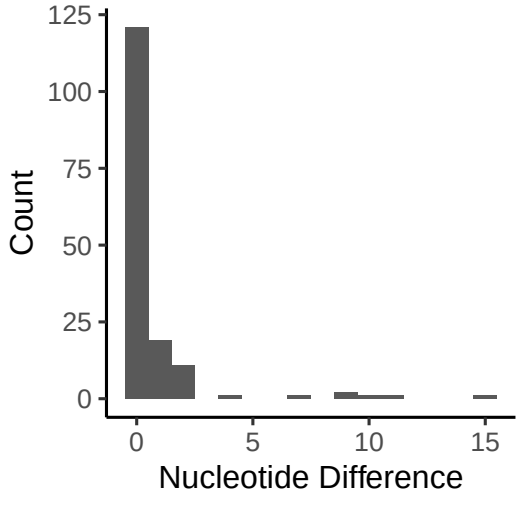
IGHV3−52*01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
2 unique J



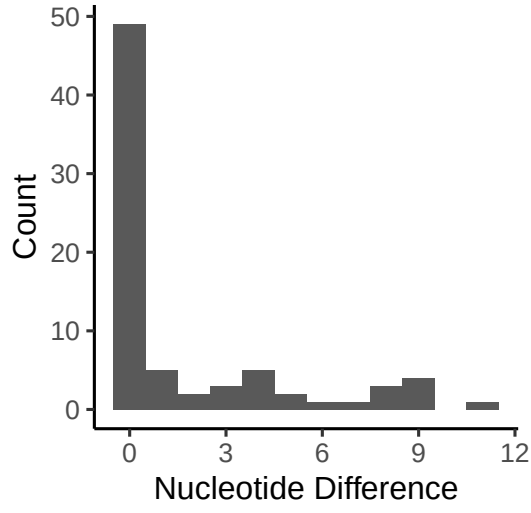
IGHV3−64*01

158 sequences assigned
121 (76.6%) exact matches, in which:
109 unique CDR3
6 unique J



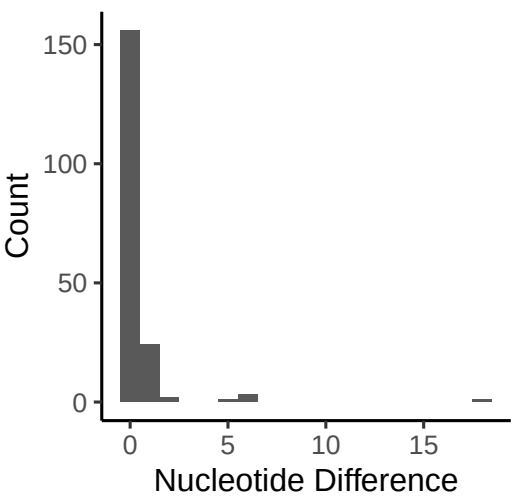
IGHV3−72*01

78 sequences assigned
49 (62.8%) exact matches, in which:
46 unique CDR3
5 unique J



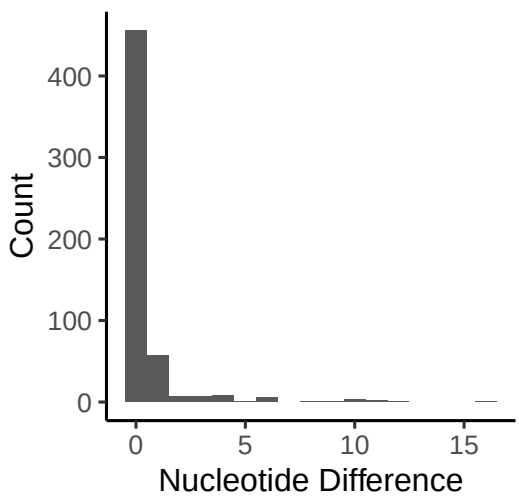
IGHV3−53*02

187 sequences assigned
156 (83.4%) exact matches, in which:
145 unique CDR3
5 unique J



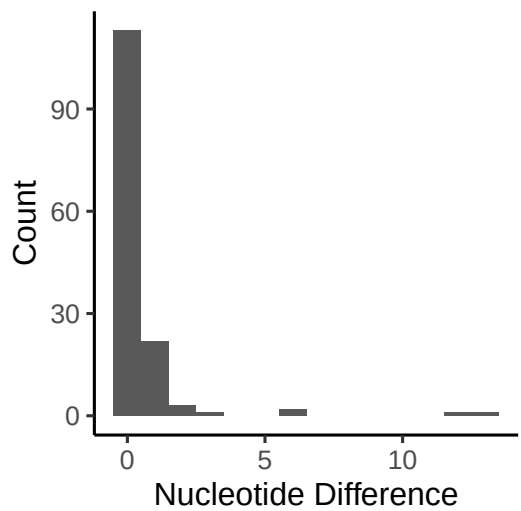
IGHV3−66*01

550 sequences assigned
456 (82.9%) exact matches, in which:
402 unique CDR3
6 unique J



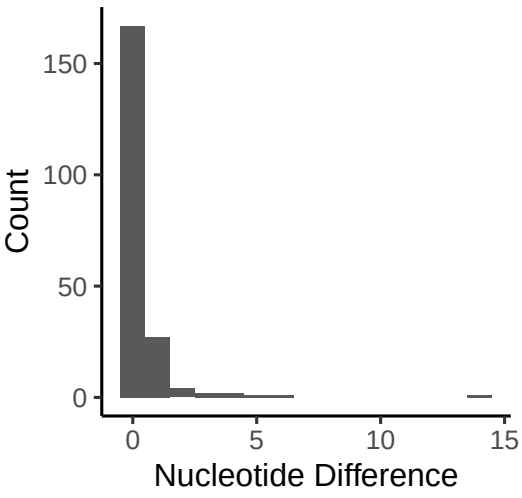
IGHV3−73*01

143 sequences assigned
113 (79%) exact matches, in which:
100 unique CDR3
4 unique J



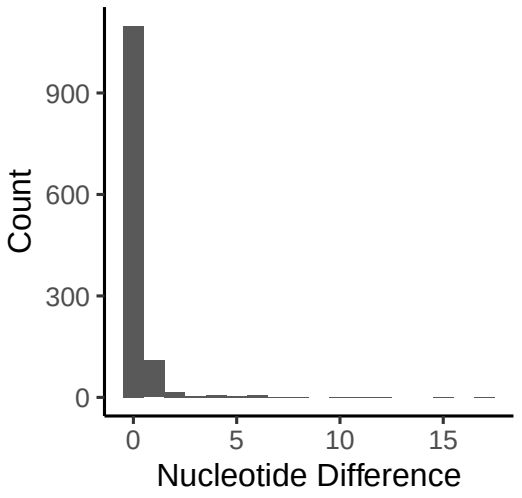
IGHV3−73*02

205 sequences assigned
167 (81.5%) exact matches, in which:
155 unique CDR3
6 unique J



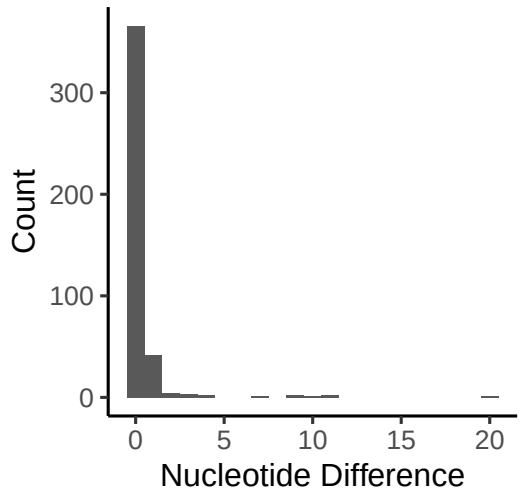
IGHV4−4*02

1258 sequences assigned
1099 (87.4%) exact matches, in which:
999 unique CDR3
6 unique J



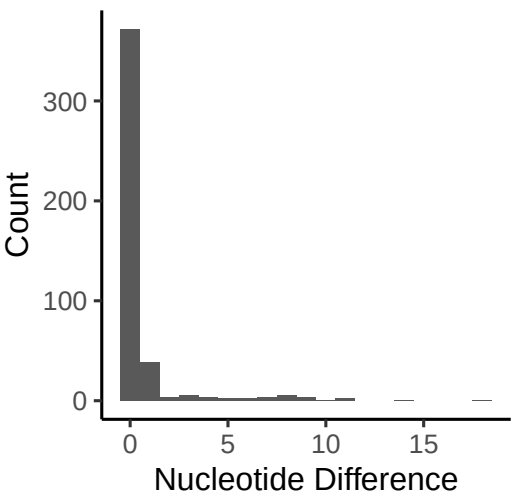
IGHV4−30−2*01

424 sequences assigned
366 (86.3%) exact matches, in which:
340 unique CDR3
6 unique J



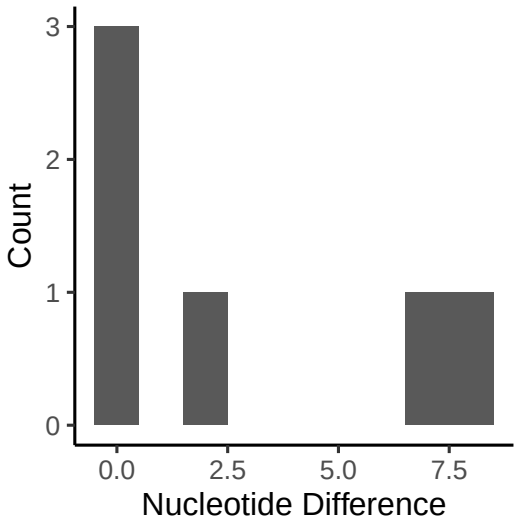
IGHV3−74*01

451 sequences assigned
372 (82.5%) exact matches, in which:
344 unique CDR3
6 unique J



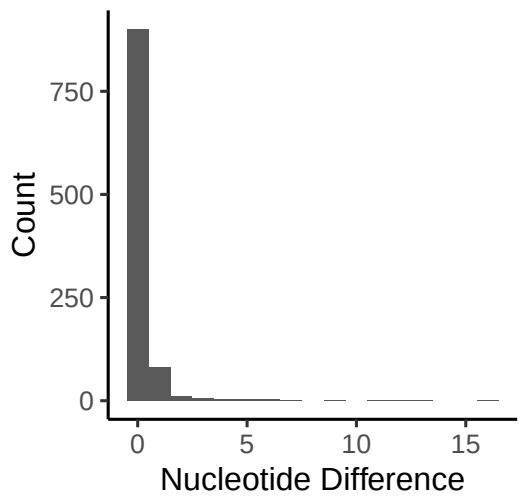
IGHV4−28*01

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



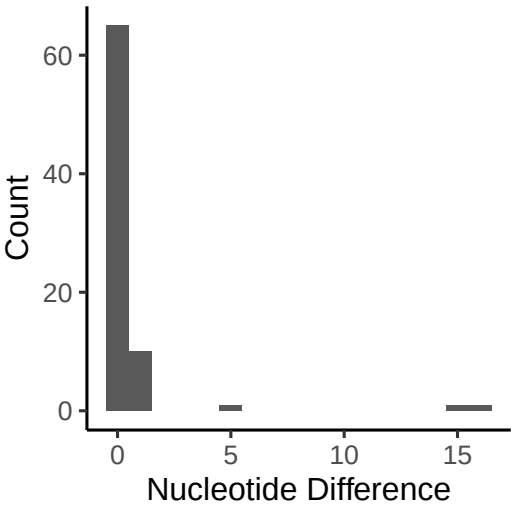
IGHV4−30−4*01

1016 sequences assigned
901 (88.7%) exact matches, in which:
840 unique CDR3
6 unique J



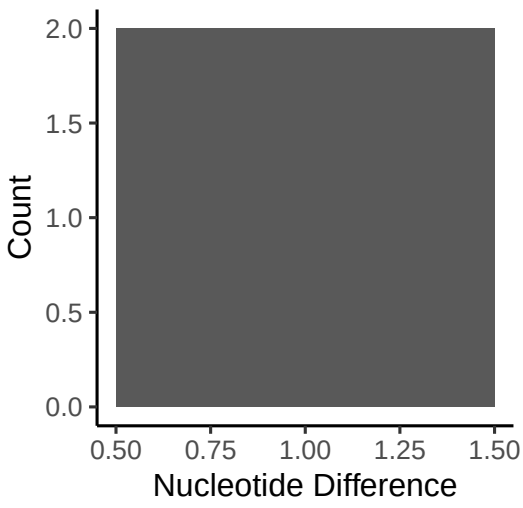
IGHV3−43D*04

78 sequences assigned
65 (83.3%) exact matches, in which:
58 unique CDR3
4 unique J



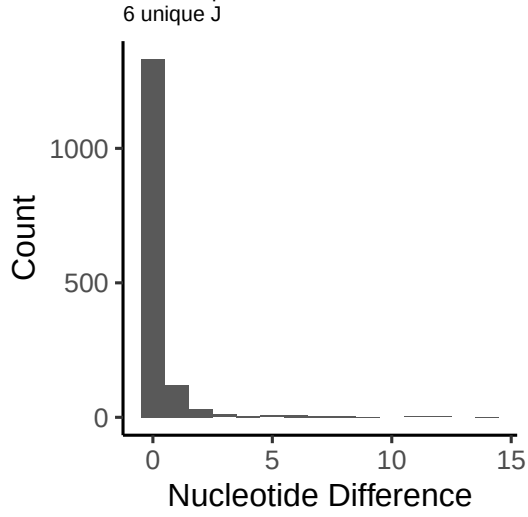
IGHV4−28*04

2 sequences assigned
No exact matches.



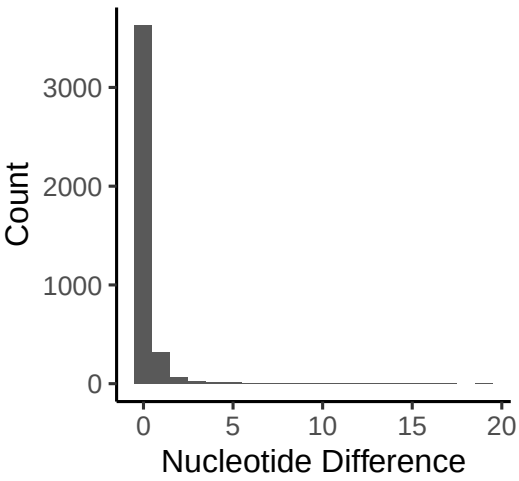
IGHV4−31*03

1530 sequences assigned
1332 (87.1%) exact matches, in which:
1228 unique CDR3
6 unique J



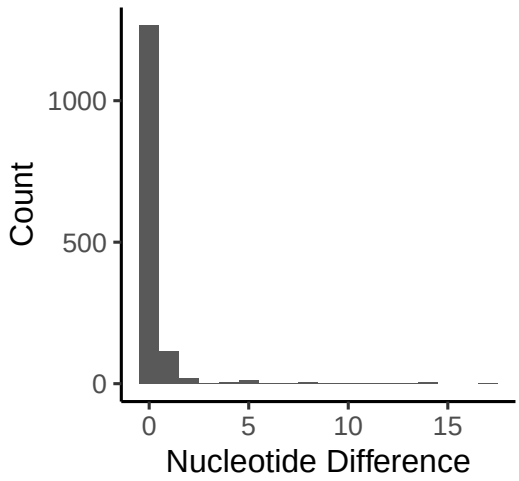
IGHV4−34*01

4111 sequences assigned
3628 (88.3%) exact matches, in which:
3248 unique CDR3
6 unique J



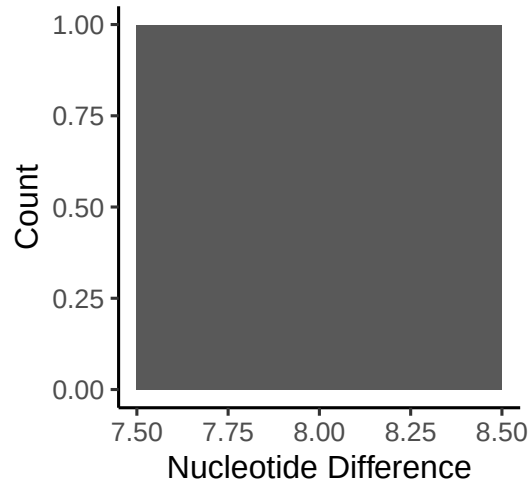
IGHV4−59*01

1445 sequences assigned
1266 (87.6%) exact matches, in which:
1190 unique CDR3
6 unique J



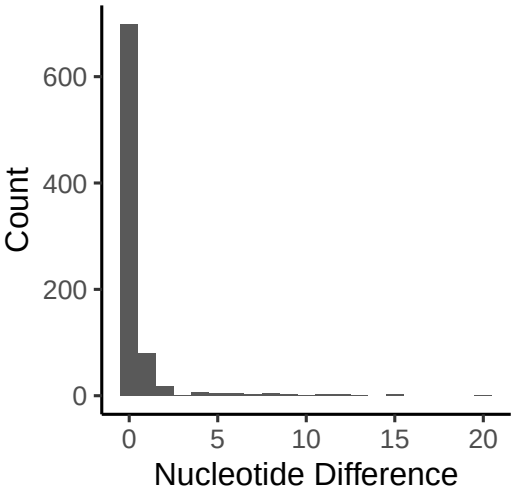
IGHV1/OR15−2*01

1 sequences assigned
No exact matches.



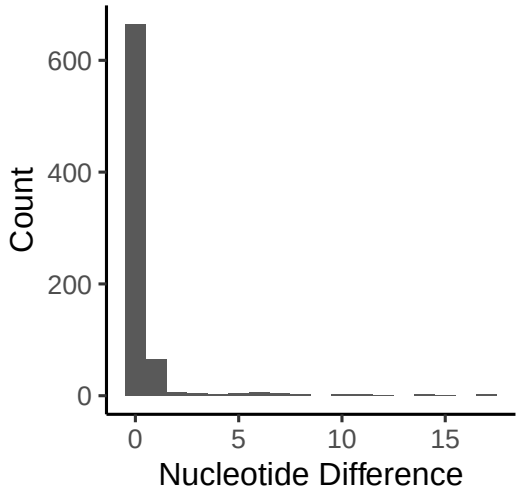
IGHV4−38−2*02_A70G

832 sequences assigned
699 (84%) exact matches, in which:
624 unique CDR3
6 unique J



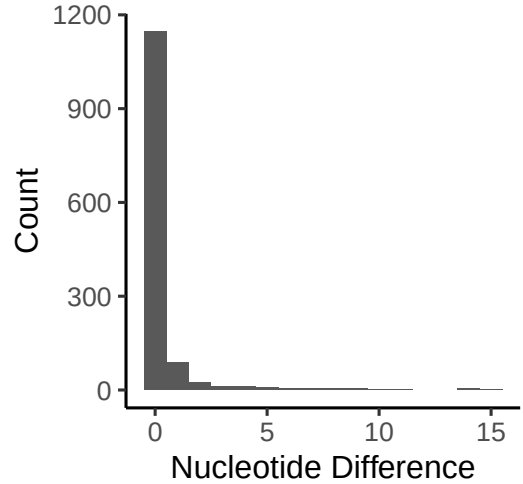
IGHV4−59*08

775 sequences assigned
665 (85.8%) exact matches, in which:
617 unique CDR3
6 unique J



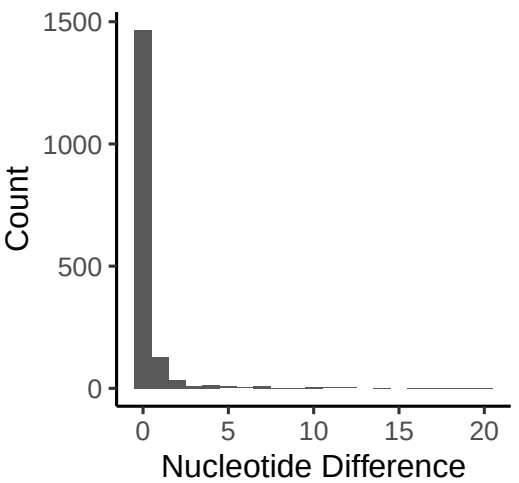
IGHV5−51*01

1318 sequences assigned
1146 (86.9%) exact matches, in which:
1044 unique CDR3
6 unique J



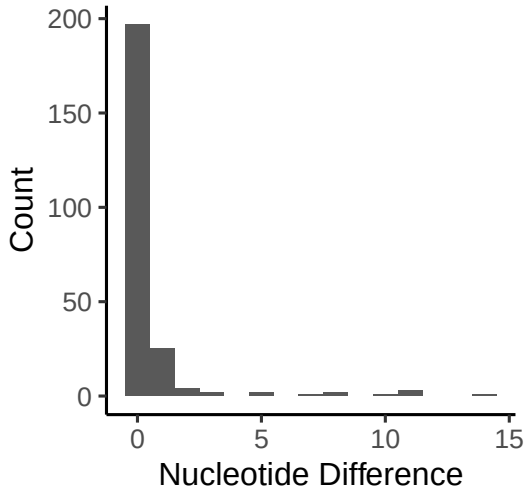
IGHV4−39*01

1694 sequences assigned
1466 (86.5%) exact matches, in which:
1315 unique CDR3
6 unique J



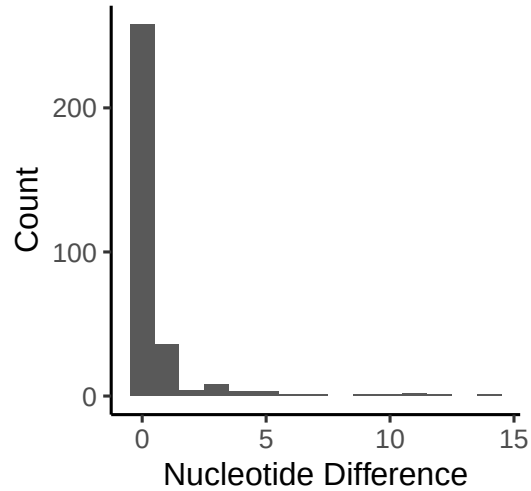
IGHV4−61*01

238 sequences assigned
197 (82.8%) exact matches, in which:
190 unique CDR3
6 unique J



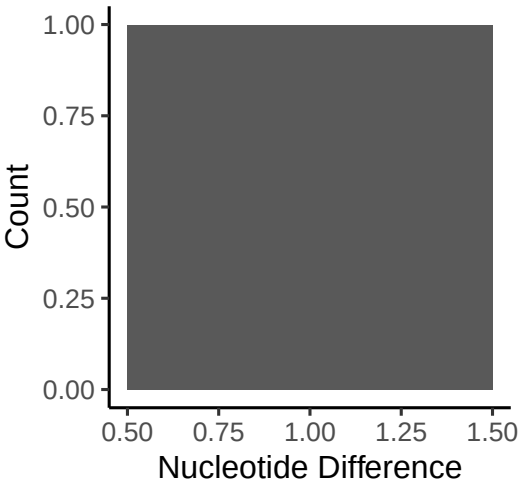
IGHV6−1*01

320 sequences assigned
258 (80.6%) exact matches, in which:
236 unique CDR3
6 unique J



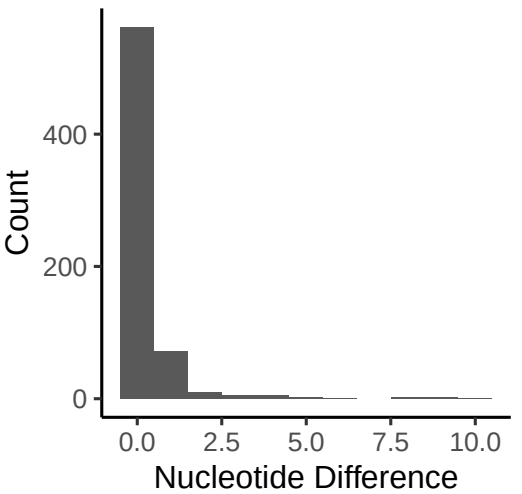
IGHV3/OR16−12*01

1 sequences assigned
No exact matches.



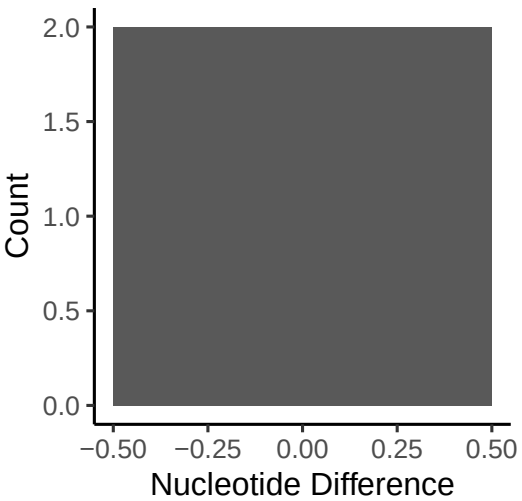
IGHV7−4−1*02

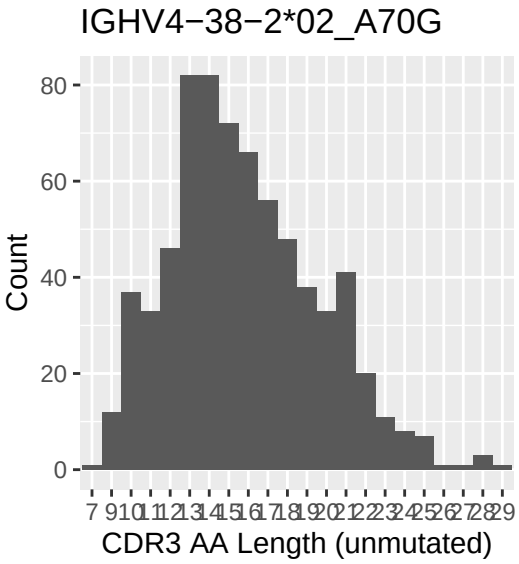
663 sequences assigned
562 (84.8%) exact matches, in which:
524 unique CDR3
6 unique J

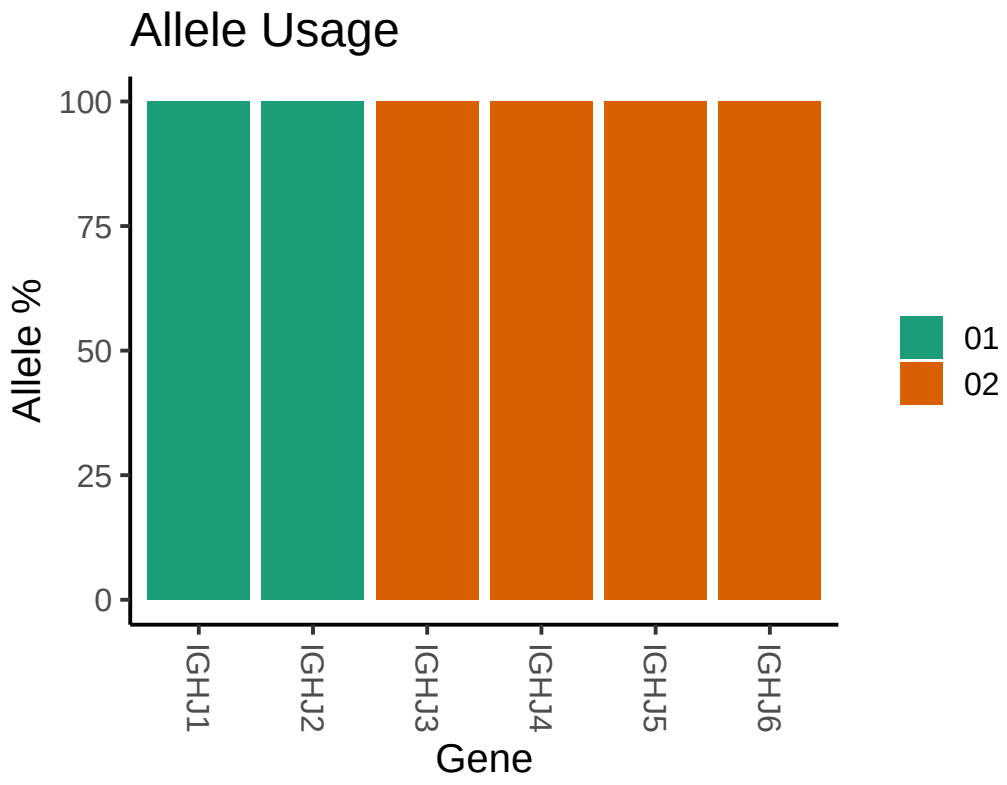


IGHV7−81*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J




IGHV4−38−2*02_A70G
Count
80
60
40
20
0
7 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
CDR3 AA Length (unmutated)


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

Warning − no inferred sequences found.

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