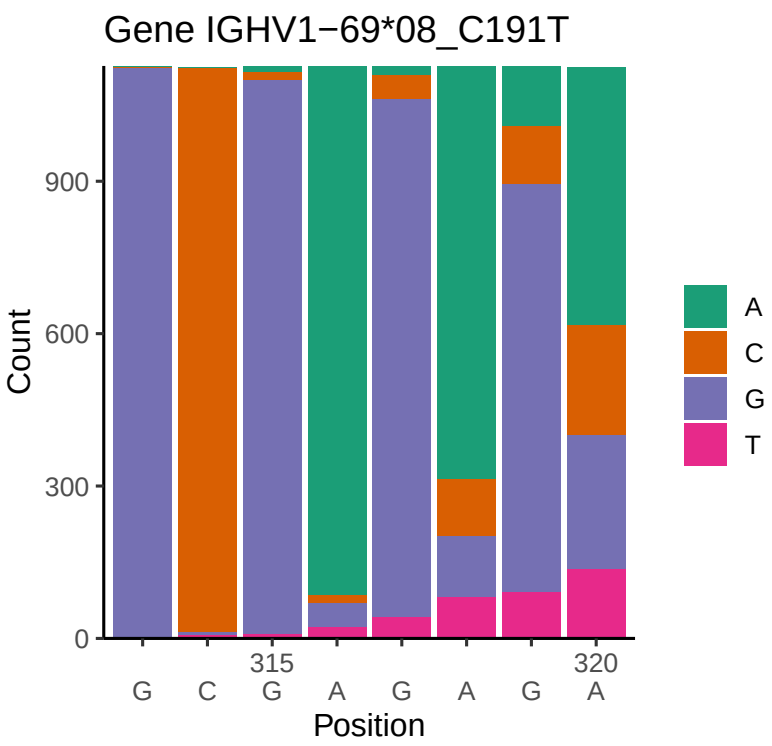
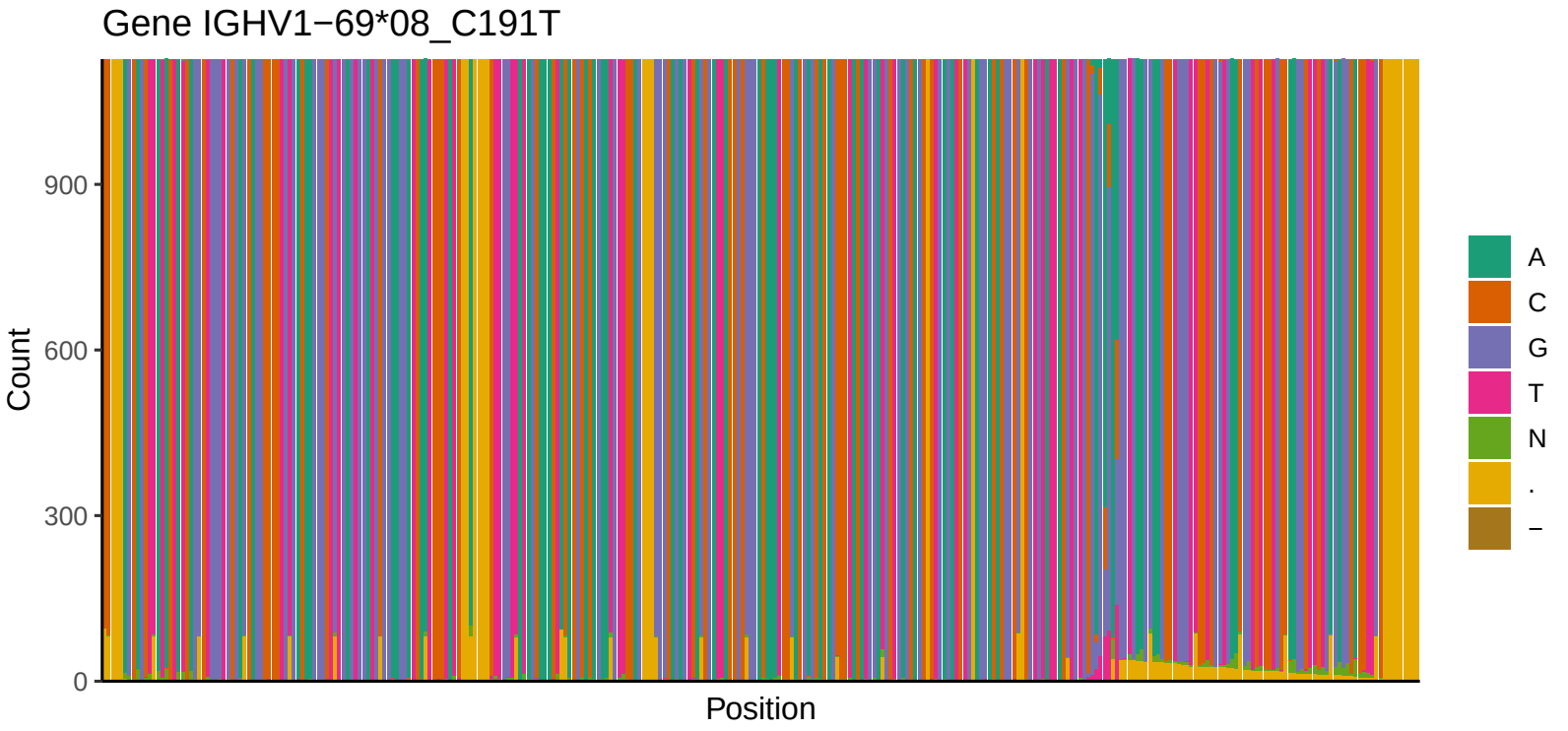
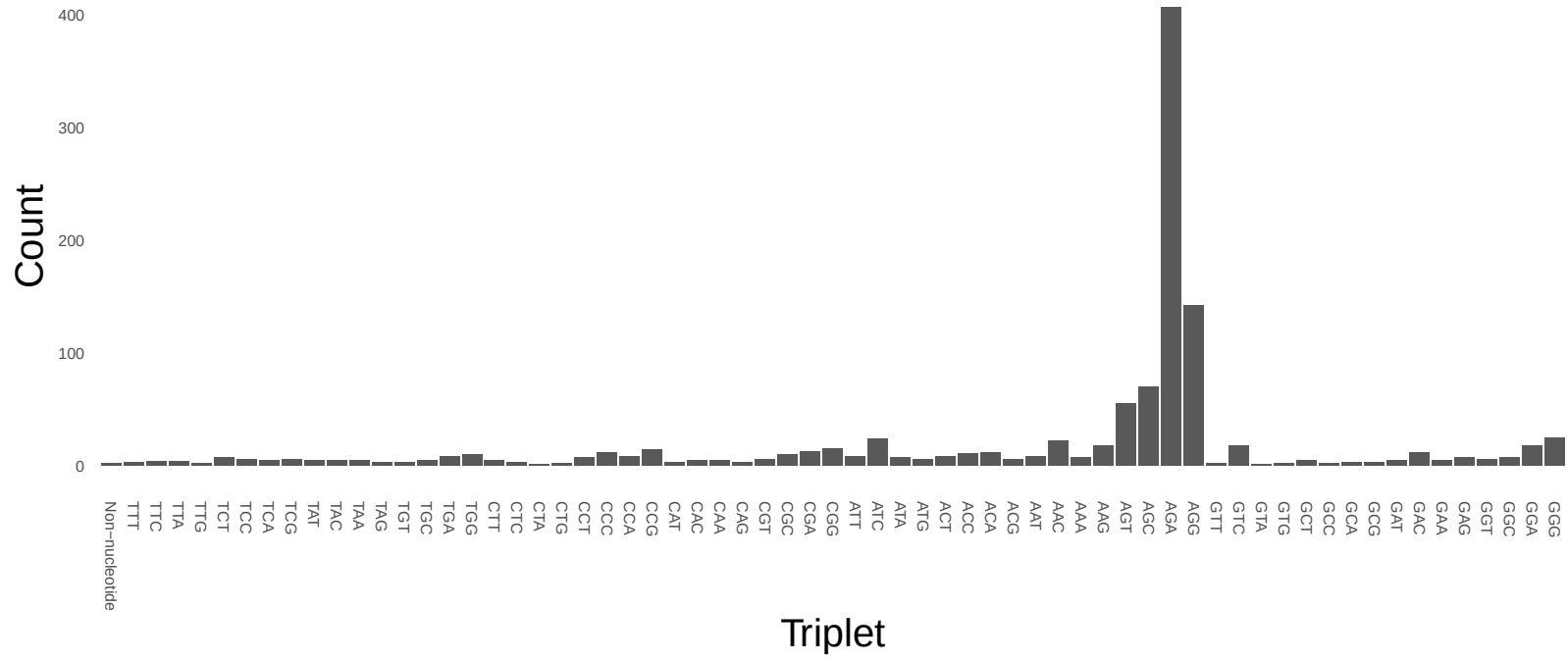

Gene IGHV1−69*08_C191T
Count
900
600
300
0
315
320
G C G A G A G A
Position
A
C
G
T

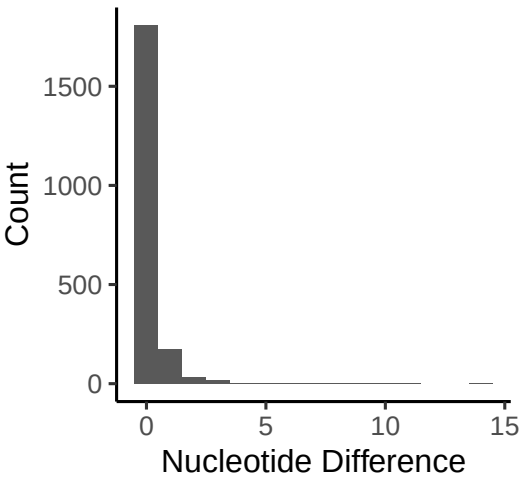

Gene IGHV1−69*08_C191T
Count
900
600
300
0
Position
A
C
G
T
N
.
–

IGHV1−69*08_C191T− Final 3 nucleotides as a triplet



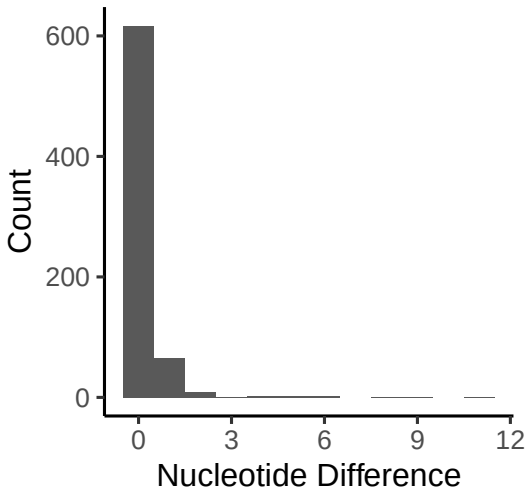
IGHV1−2*02

2057 sequences assigned
1807 (87.8%) exact matches, in which:
1754 unique CDR3
6 unique J



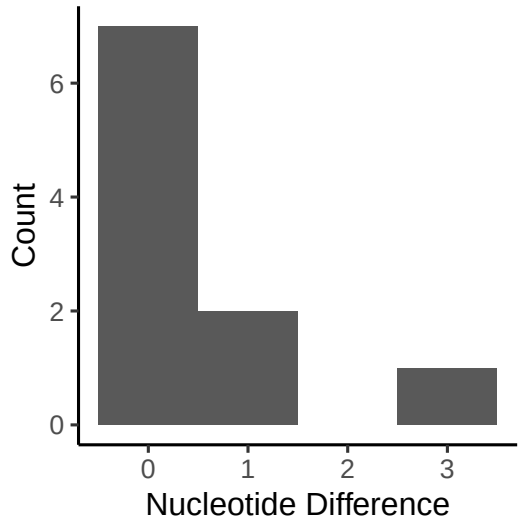
IGHV1−18*01

702 sequences assigned
617 (87.9%) exact matches, in which:
606 unique CDR3
6 unique J



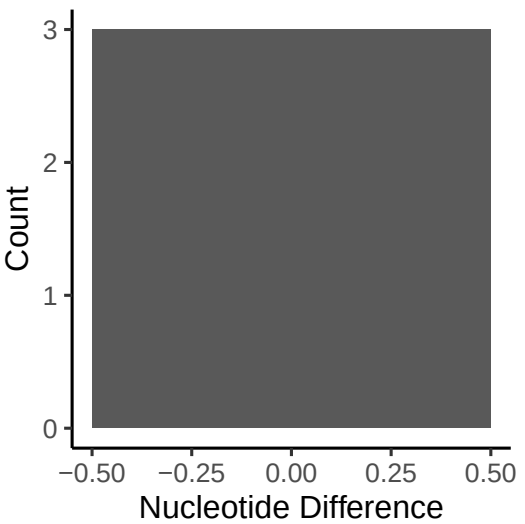
IGHV1−45*02

10 sequences assigned
7 (70%) exact matches, in which:
7 unique CDR3
3 unique J



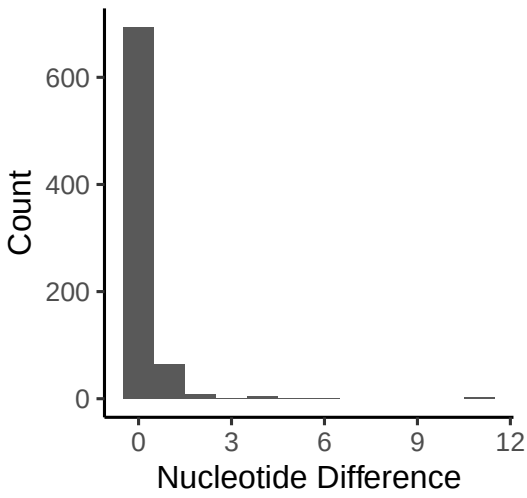
IGHV1−3*02

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
2 unique J



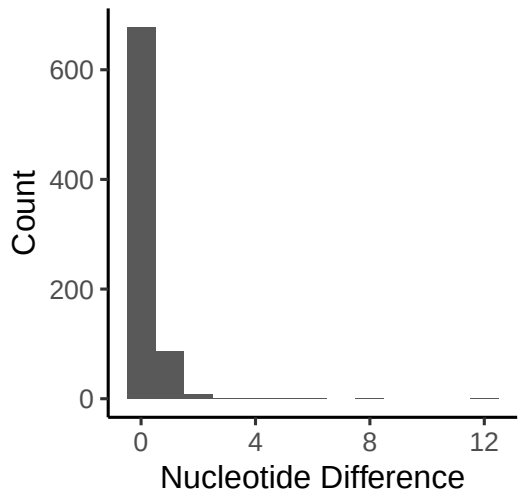
IGHV1−18*04

776 sequences assigned
694 (89.4%) exact matches, in which:
675 unique CDR3
6 unique J



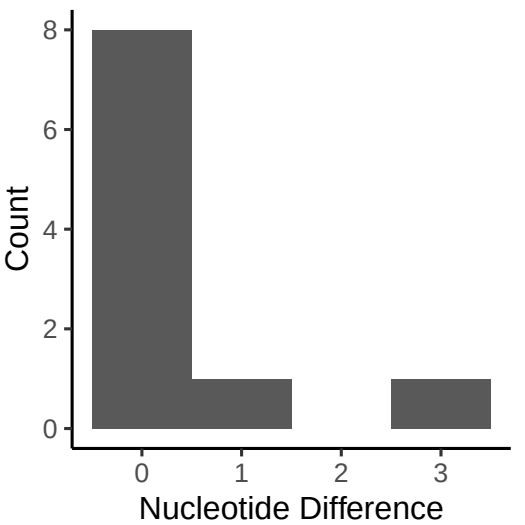
IGHV1−46*01

778 sequences assigned
678 (87.1%) exact matches, in which:
662 unique CDR3
6 unique J



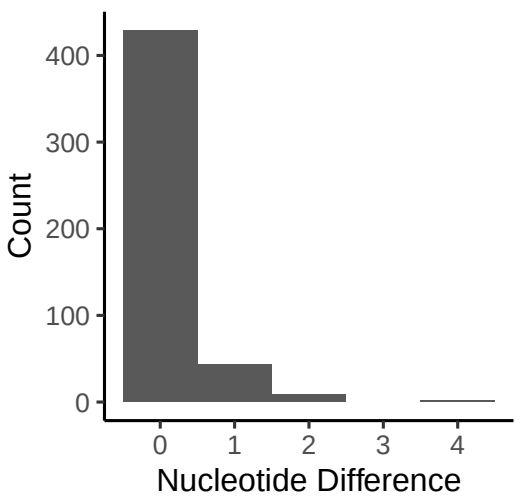
IGHV1−8*01

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
4 unique J



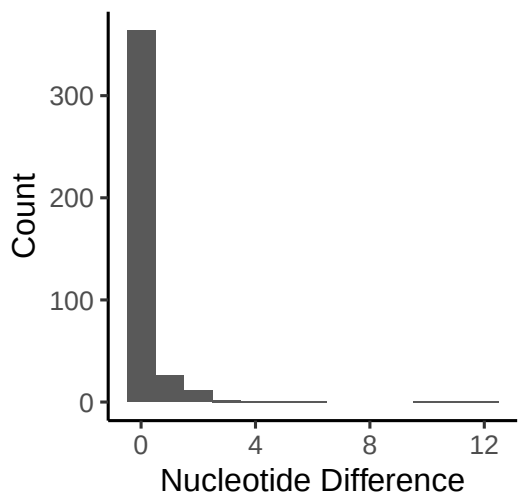
IGHV1−24*01

483 sequences assigned
429 (88.8%) exact matches, in which:
414 unique CDR3
6 unique J



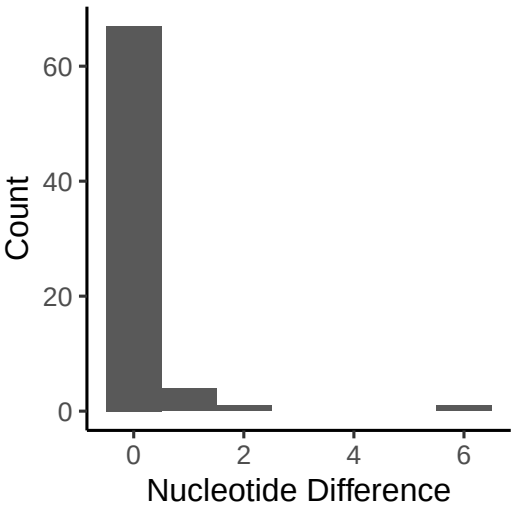
IGHV1−46*04

409 sequences assigned
364 (89%) exact matches, in which:
355 unique CDR3
5 unique J



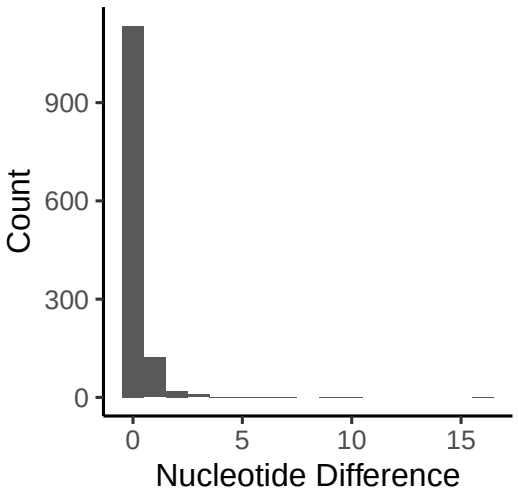
IGHV1−58*01

73 sequences assigned
67 (91.8%) exact matches, in which:
66 unique CDR3
5 unique J



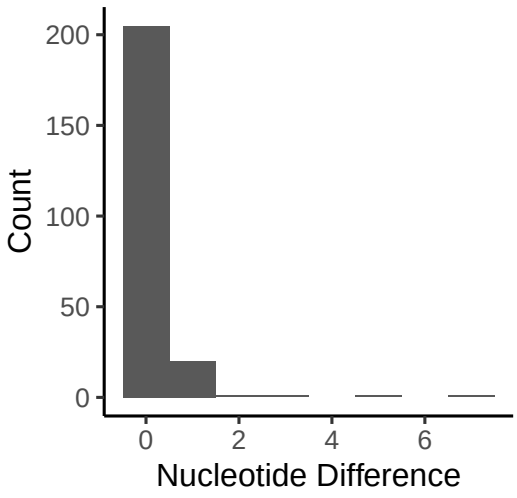
IGHV1−69*04

1295 sequences assigned
1135 (87.6%) exact matches, in which:
1088 unique CDR3
6 unique J



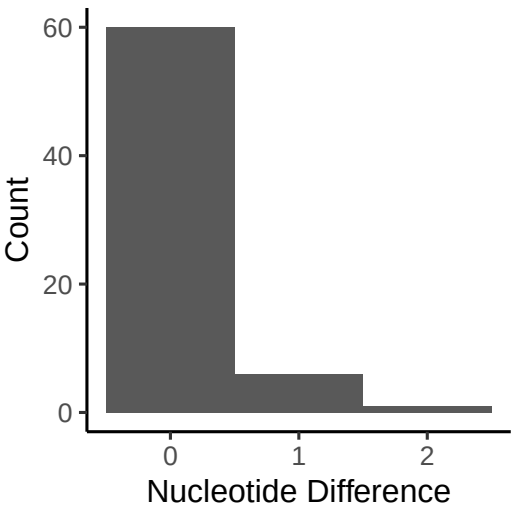
IGHV2−5*02

229 sequences assigned
205 (89.5%) exact matches, in which:
193 unique CDR3
6 unique J



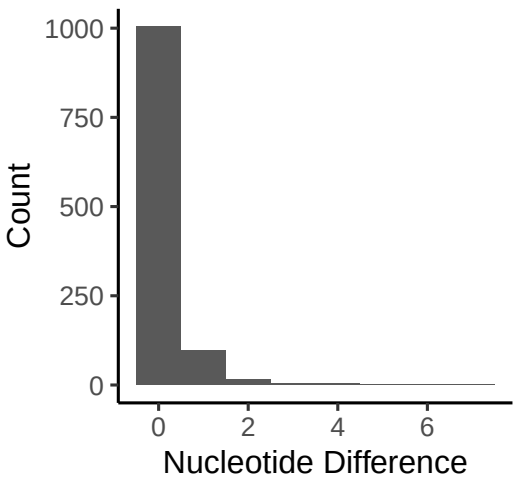
IGHV1−58*02

67 sequences assigned
60 (89.6%) exact matches, in which:
58 unique CDR3
5 unique J



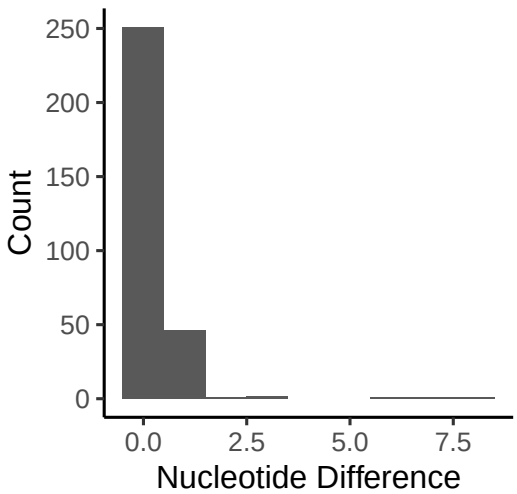
IGHV1−69*08_C191T

1127 sequences assigned
1004 (89.1%) exact matches, in which:
972 unique CDR3
6 unique J



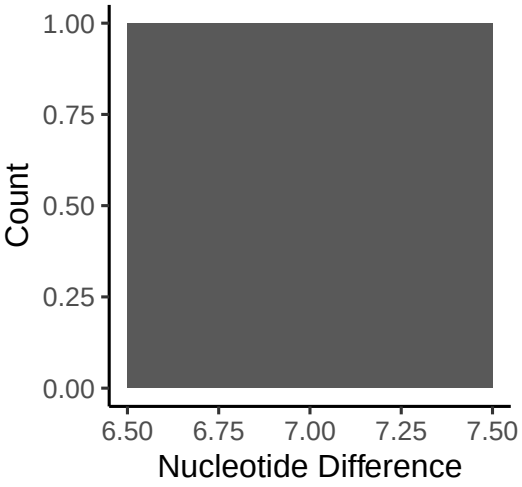
IGHV2−26*01

303 sequences assigned
251 (82.8%) exact matches, in which:
241 unique CDR3
6 unique J



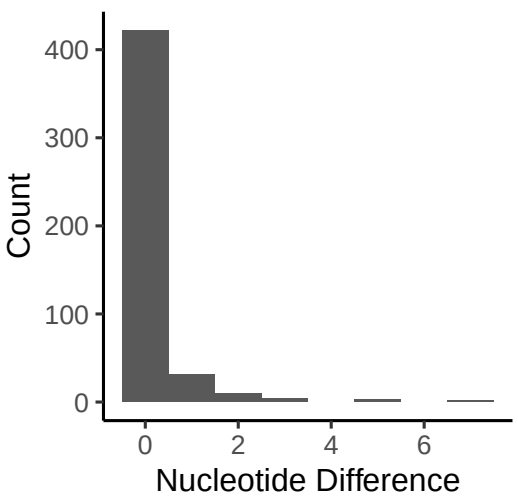
IGHV1−68*02

1 sequences assigned
No exact matches.



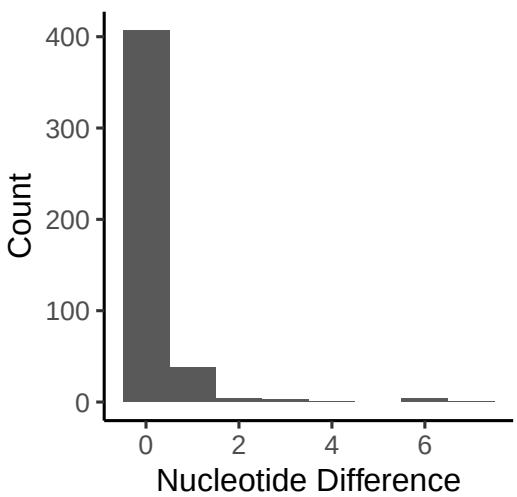
IGHV2−5*01

472 sequences assigned
422 (89.4%) exact matches, in which:
404 unique CDR3
6 unique J



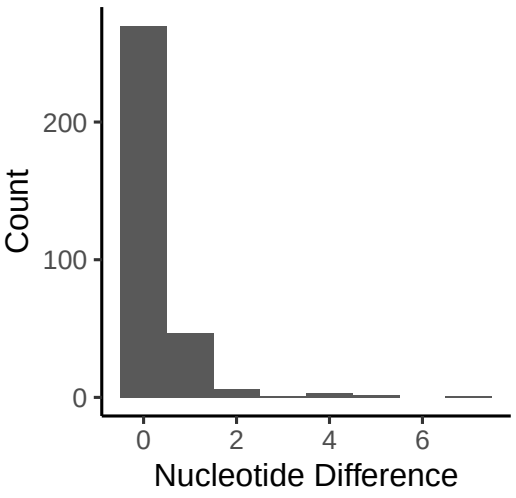
IGHV2−70*15

458 sequences assigned
407 (88.9%) exact matches, in which:
398 unique CDR3
6 unique J



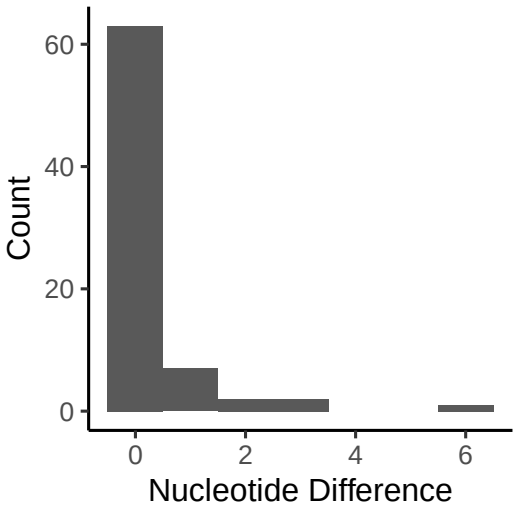
IGHV3−7*03

330 sequences assigned
270 (81.8%) exact matches, in which:
263 unique CDR3
6 unique J



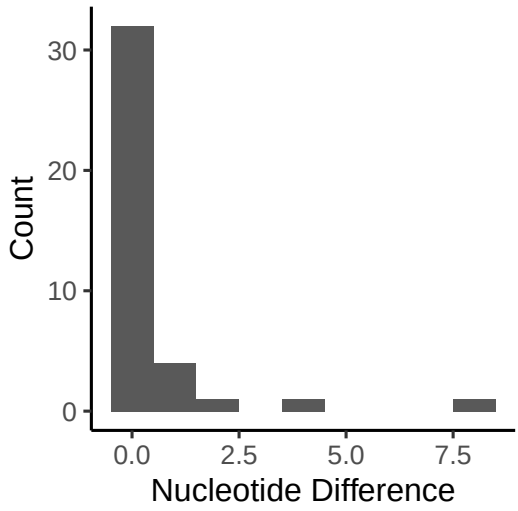
IGHV3−13*05

75 sequences assigned
63 (84%) exact matches, in which:
62 unique CDR3
4 unique J



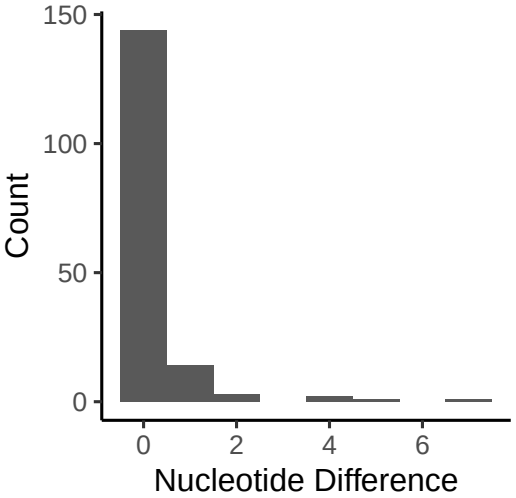
IGHV3−20*04

39 sequences assigned
32 (82.1%) exact matches, in which:
31 unique CDR3
4 unique J



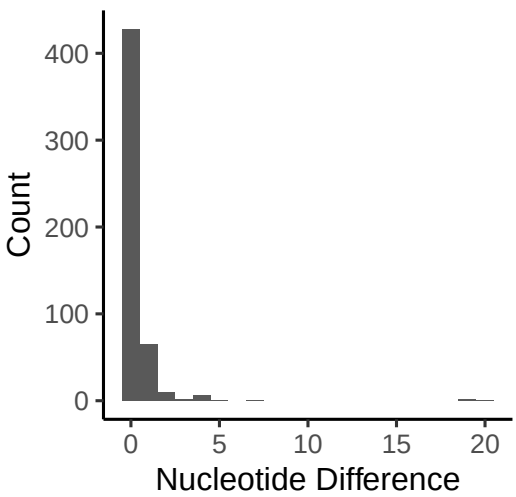
IGHV3−7*05

165 sequences assigned
144 (87.3%) exact matches, in which:
143 unique CDR3
6 unique J



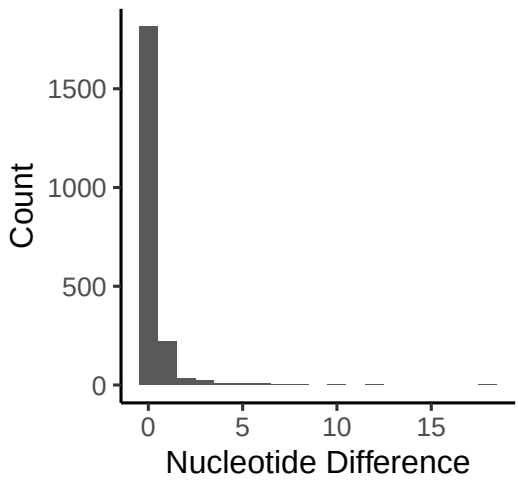
IGHV3−15*01

516 sequences assigned
428 (82.9%) exact matches, in which:
413 unique CDR3
6 unique J



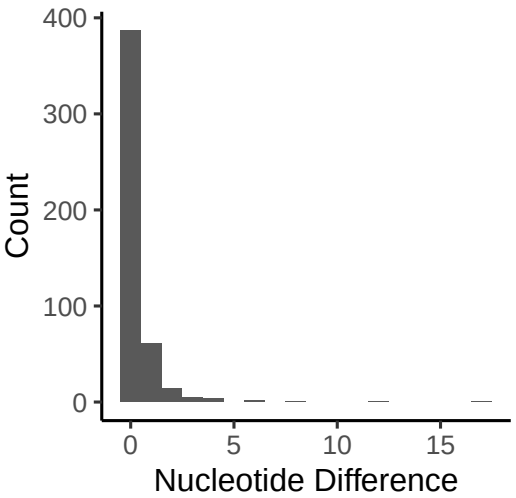
IGHV3−21*01

2125 sequences assigned
1814 (85.4%) exact matches, in which:
1752 unique CDR3
6 unique J



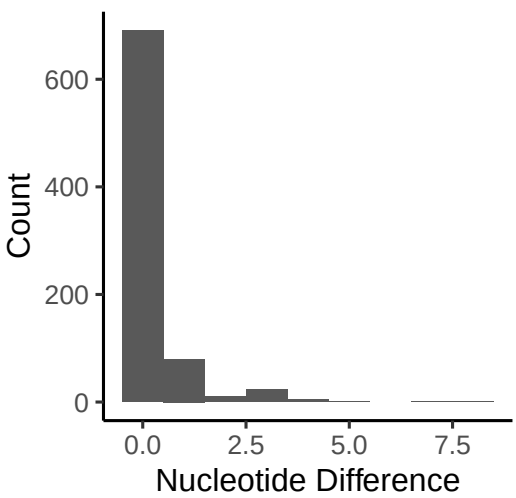
IGHV3−11*06

477 sequences assigned
387 (81.1%) exact matches, in which:
377 unique CDR3
6 unique J



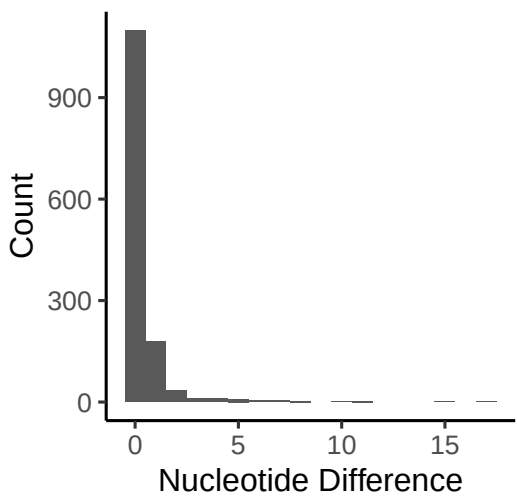
IGHV3−15*07

813 sequences assigned
691 (85%) exact matches, in which:
666 unique CDR3
6 unique J



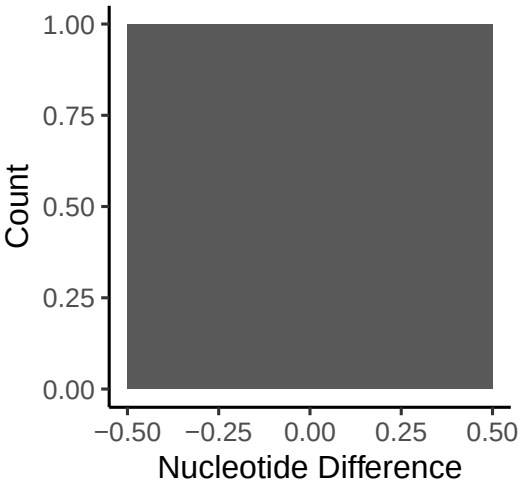
IGHV3−23*04

1359 sequences assigned
1099 (80.9%) exact matches, in which:
1054 unique CDR3
6 unique J



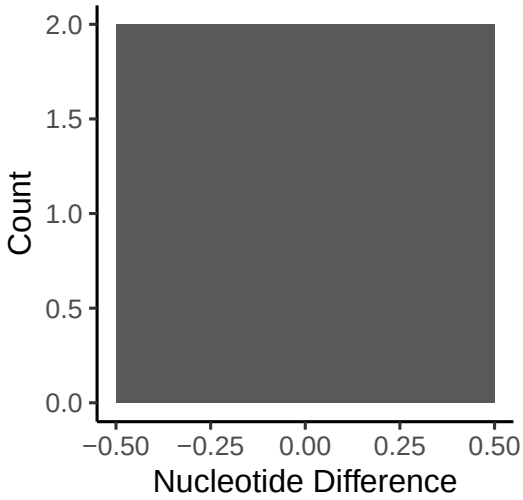
IGHV3−25*04

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



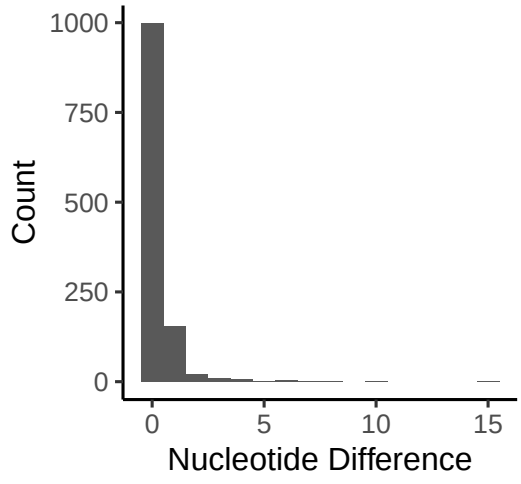
IGHV3−35*01

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



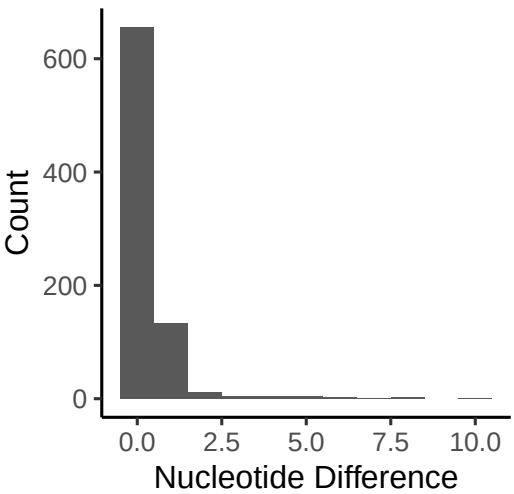
IGHV3−48*01

1200 sequences assigned
998 (83.2%) exact matches, in which:
975 unique CDR3
6 unique J



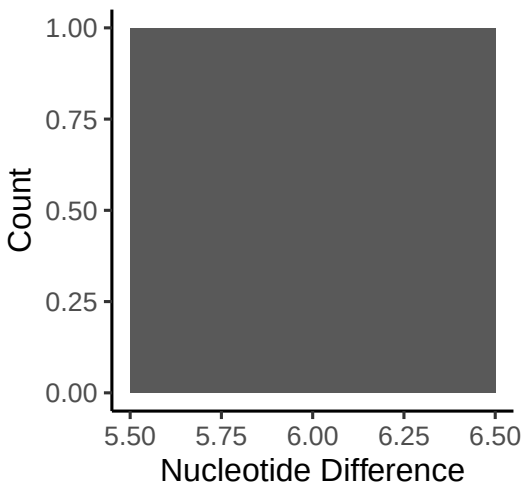
IGHV3−33*01

827 sequences assigned
656 (79.3%) exact matches, in which:
637 unique CDR3
6 unique J



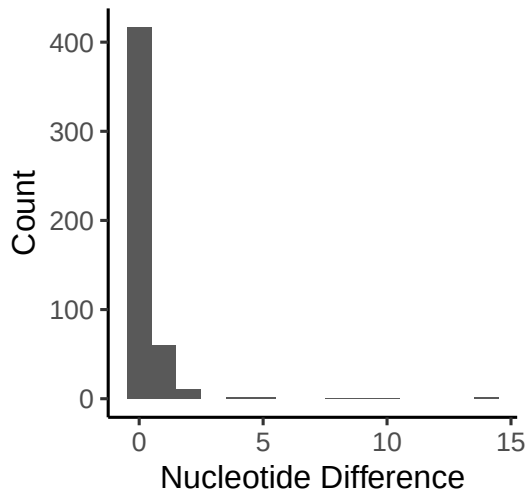
IGHV3−41*02

2 sequences assigned
No exact matches.



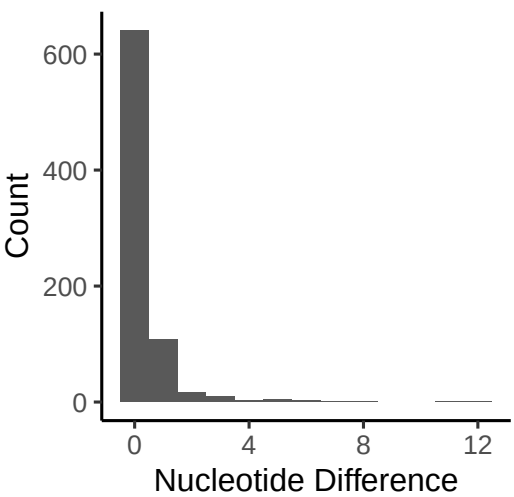
IGHV3−49*03

497 sequences assigned
417 (83.9%) exact matches, in which:
410 unique CDR3
6 unique J



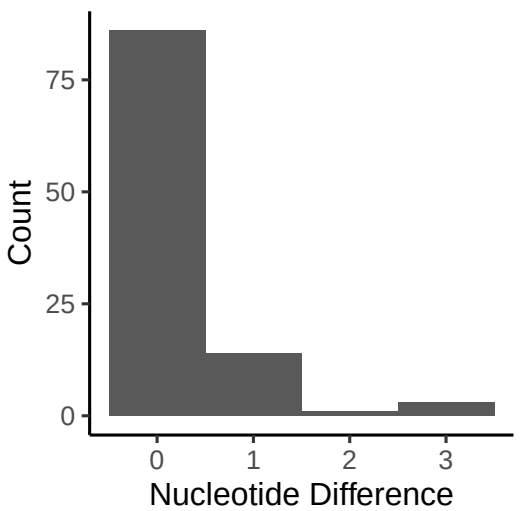
IGHV3−33*08

790 sequences assigned
641 (81.1%) exact matches, in which:
627 unique CDR3
6 unique J



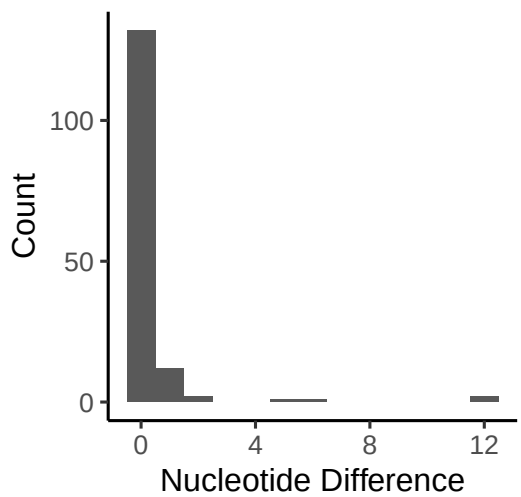
IGHV3−43*01

104 sequences assigned
86 (82.7%) exact matches, in which:
84 unique CDR3
5 unique J



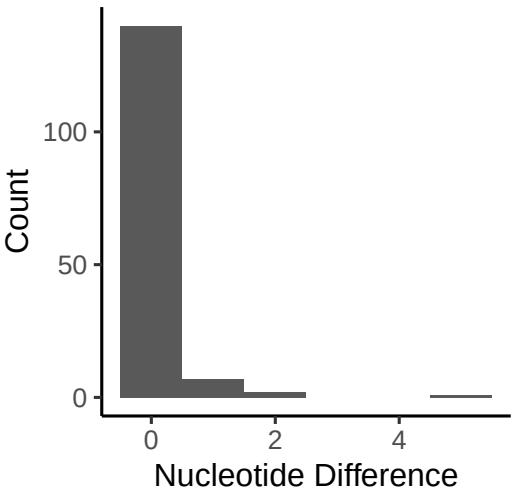
IGHV3−53*02

150 sequences assigned
132 (88%) exact matches, in which:
129 unique CDR3
6 unique J



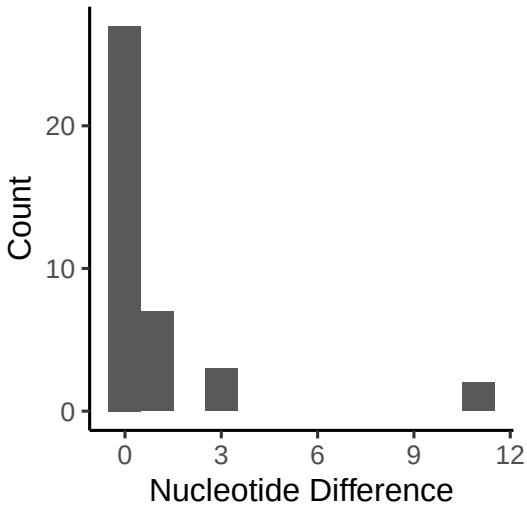
IGHV3−53*04

151 sequences assigned
140 (92.7%) exact matches, in which:
139 unique CDR3
6 unique J



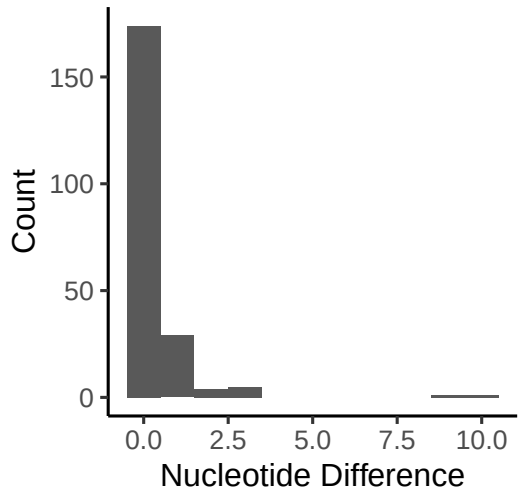
IGHV3−72*01

39 sequences assigned
27 (69.2%) exact matches, in which:
27 unique CDR3
5 unique J



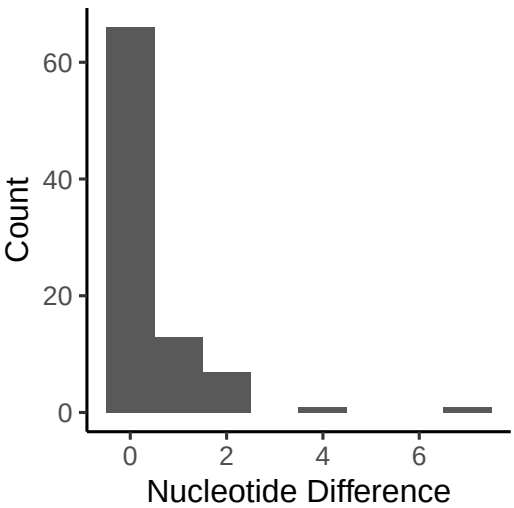
IGHV3−64D*06

214 sequences assigned
174 (81.3%) exact matches, in which:
169 unique CDR3
5 unique J



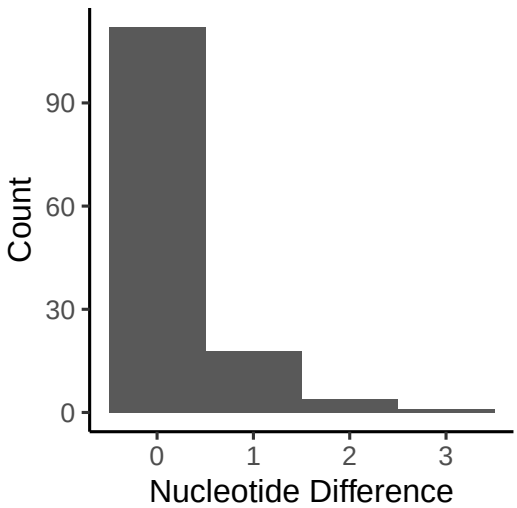
IGHV3−64*01

88 sequences assigned
66 (75%) exact matches, in which:
64 unique CDR3
6 unique J



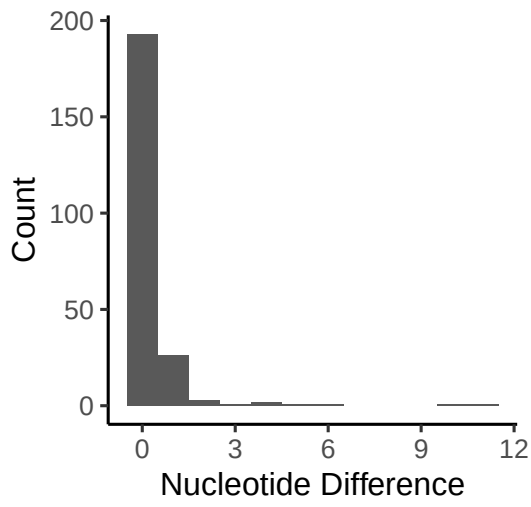
IGHV3−73*01

135 sequences assigned
112 (83%) exact matches, in which:
110 unique CDR3
4 unique J



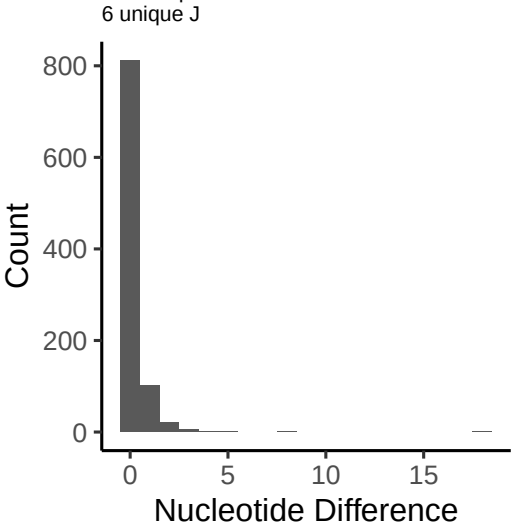
IGHV3−64D*08

229 sequences assigned
193 (84.3%) exact matches, in which:
188 unique CDR3
6 unique J



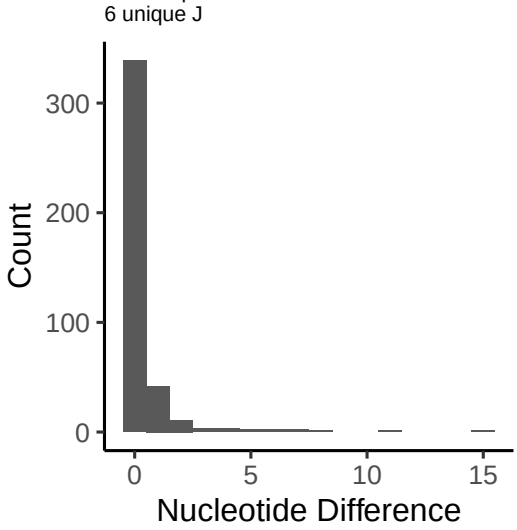
IGHV3−66*01

946 sequences assigned
812 (85.8%) exact matches, in which:
785 unique CDR3
6 unique J



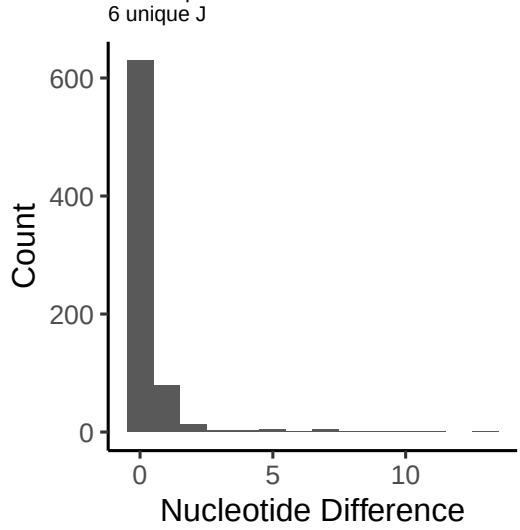
IGHV3−74*01

407 sequences assigned
339 (83.3%) exact matches, in which:
331 unique CDR3
6 unique J



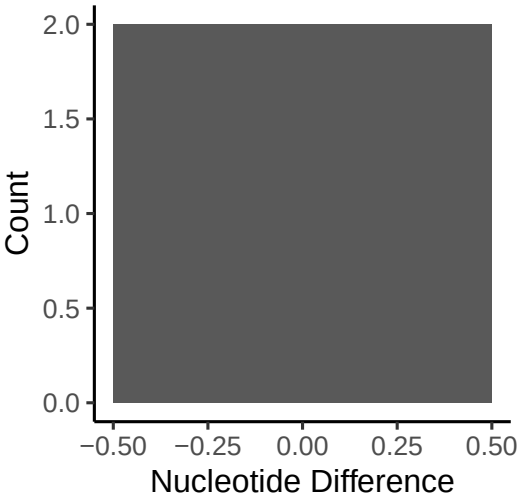
IGHV4−4*07

740 sequences assigned
630 (85.1%) exact matches, in which:
613 unique CDR3
6 unique J



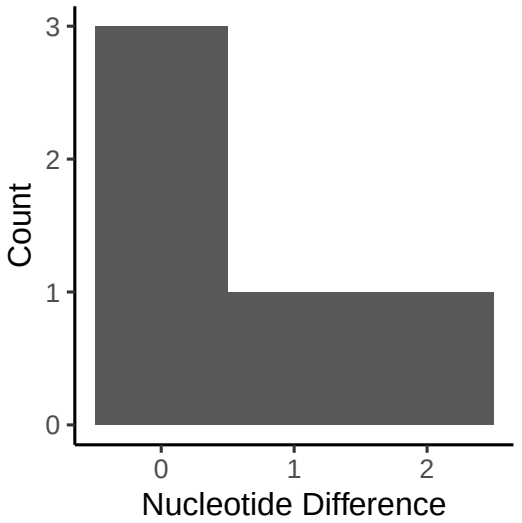
IGHV4−28*01

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



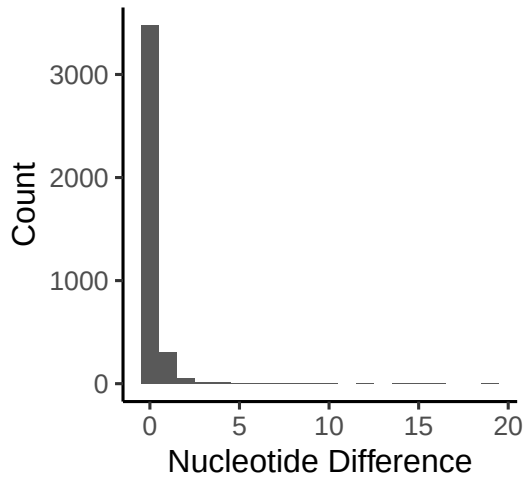
IGHV4−28*07

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



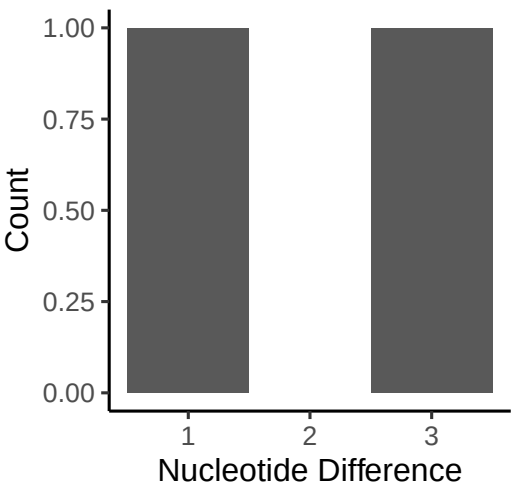
IGHV4−34*01

3888 sequences assigned
3476 (89.4%) exact matches, in which:
3355 unique CDR3
6 unique J



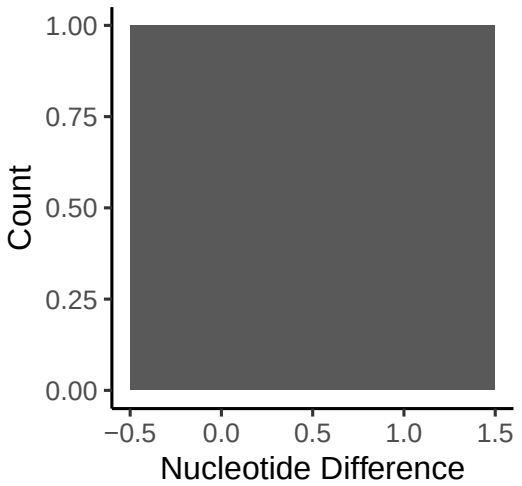
IGHV4−28*03

2 sequences assigned
No exact matches.



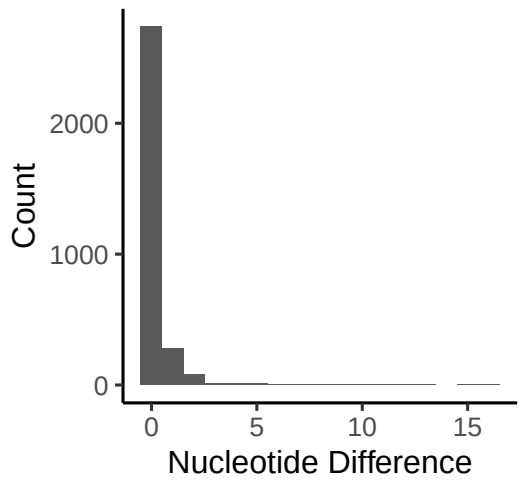
IGHV4−30−2*03

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



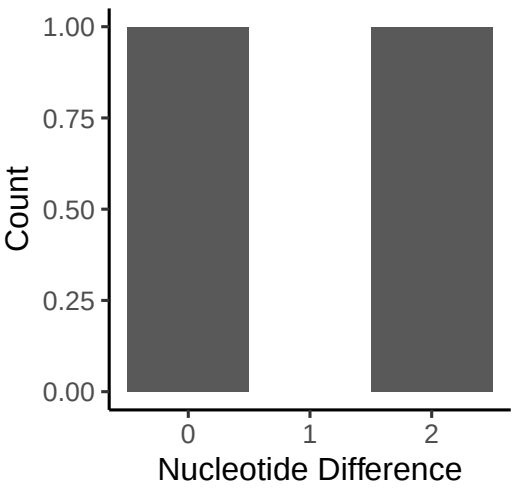
IGHV4−39*01

3148 sequences assigned
2738 (87%) exact matches, in which:
2610 unique CDR3
6 unique J



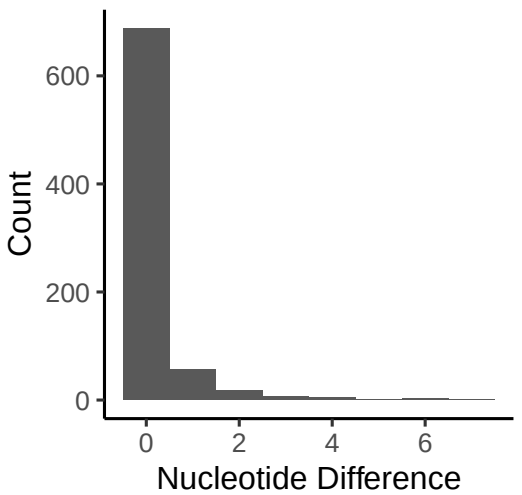
IGHV4−28*04

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



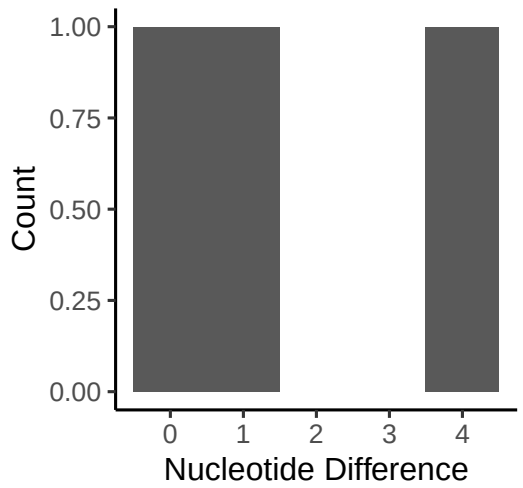
IGHV4−31*03

776 sequences assigned
688 (88.7%) exact matches, in which:
670 unique CDR3
6 unique J



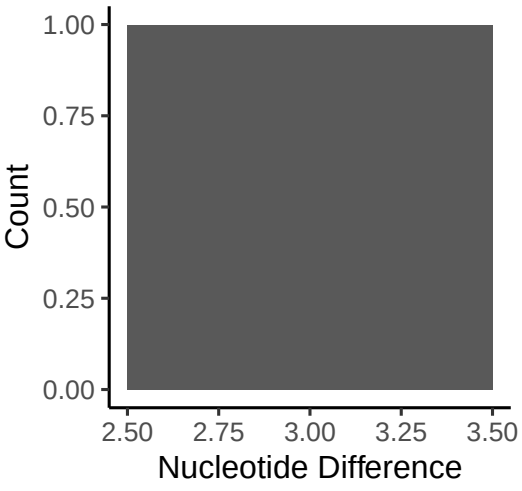
IGHV4−55*01

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



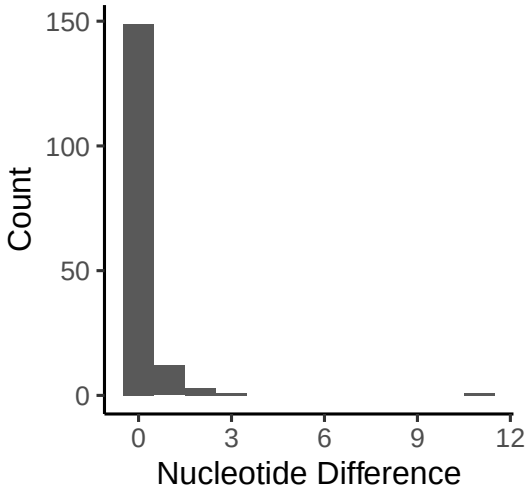
IGHV4−55*08

1 sequences assigned
No exact matches.



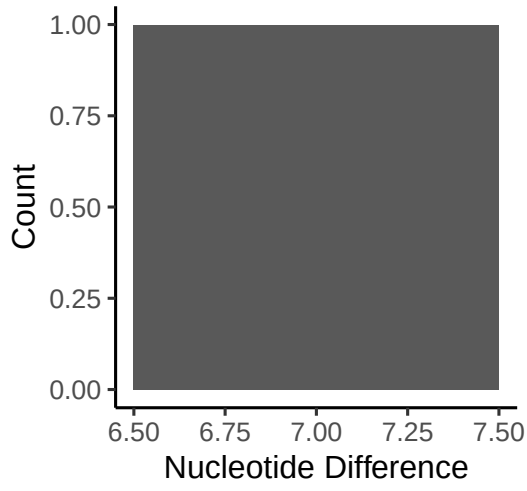
IGHV4−61*01

167 sequences assigned
149 (89.2%) exact matches, in which:
149 unique CDR3
5 unique J



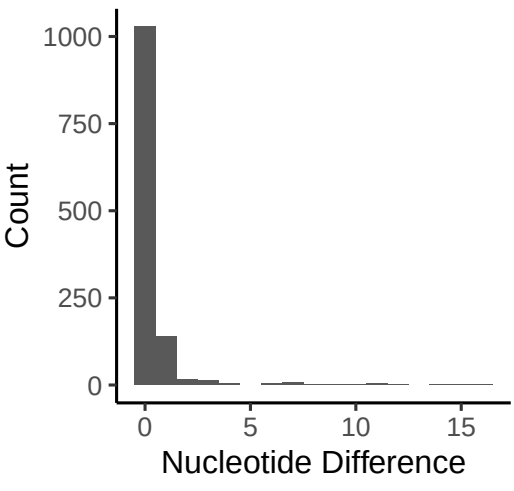
IGHV4/OR15−8*02

1 sequences assigned
No exact matches.



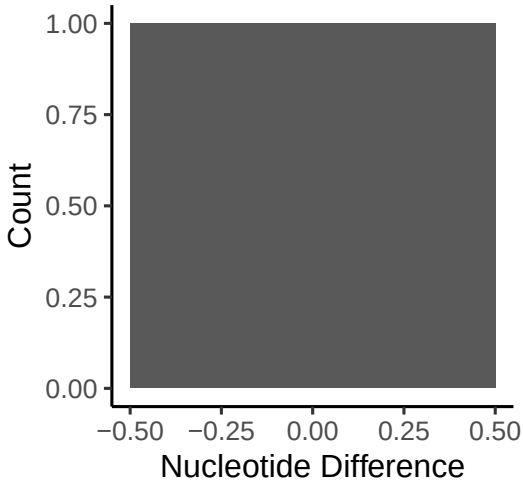
IGHV4−59*01

1222 sequences assigned
1028 (84.1%) exact matches, in which:
1006 unique CDR3
6 unique J



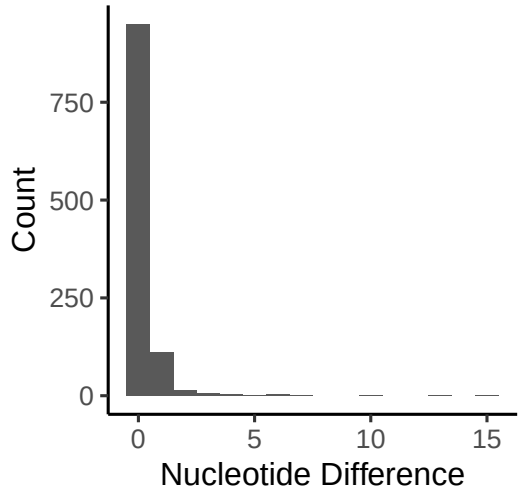
IGHV1/OR15−1*02

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



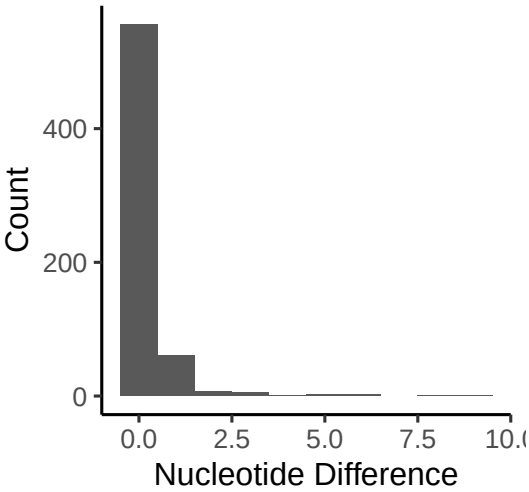
IGHV5−10−1*03

1099 sequences assigned
950 (86.4%) exact matches, in which:
914 unique CDR3
6 unique J



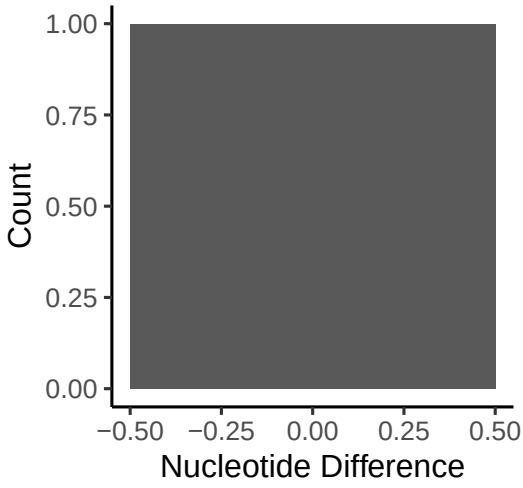
IGHV4−59*08

635 sequences assigned
556 (87.6%) exact matches, in which:
544 unique CDR3
6 unique J



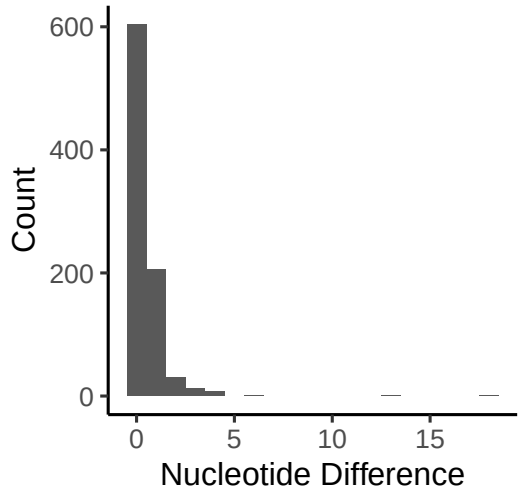
IGHV1/OR15−2*01

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



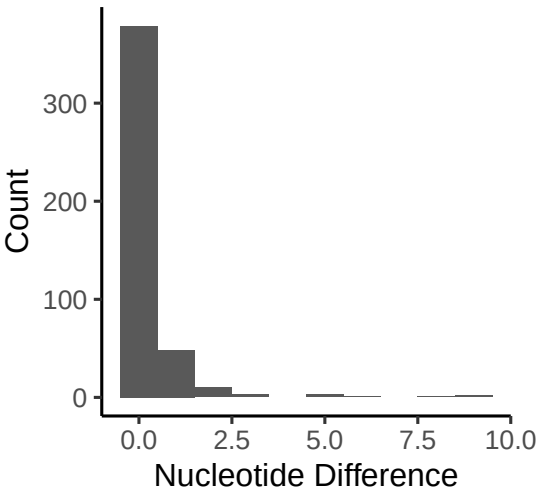
IGHV5−51*01

863 sequences assigned
604 (70%) exact matches, in which:
585 unique CDR3
6 unique J



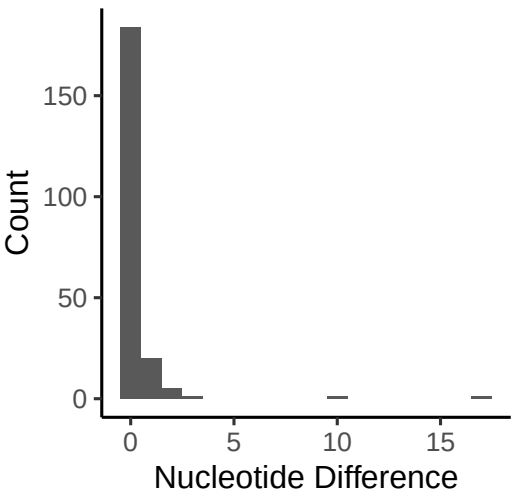
IGHV5−51*03

447 sequences assigned
379 (84.8%) exact matches, in which:
369 unique CDR3
6 unique J



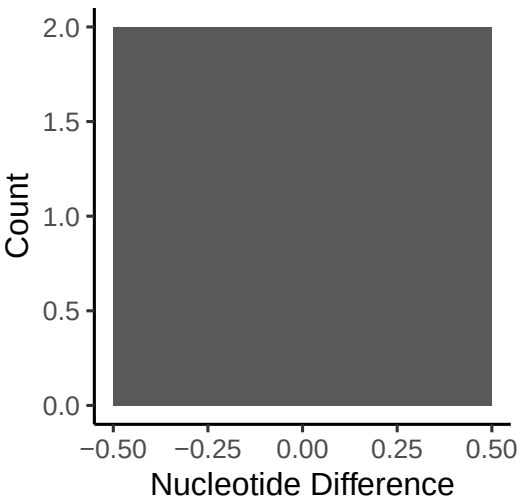
IGHV6−1*01

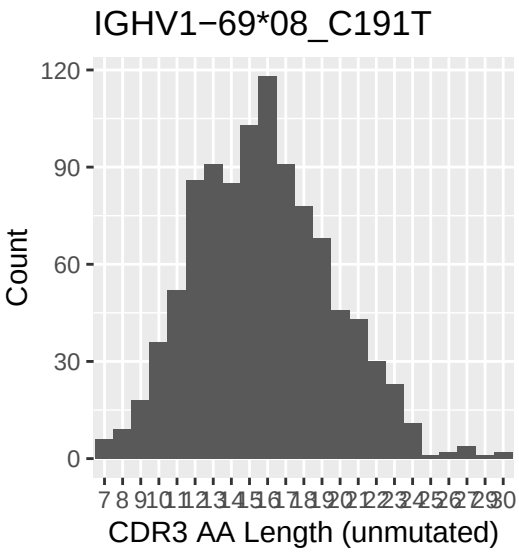
212 sequences assigned
184 (86.8%) exact matches, in which:
176 unique CDR3
6 unique J

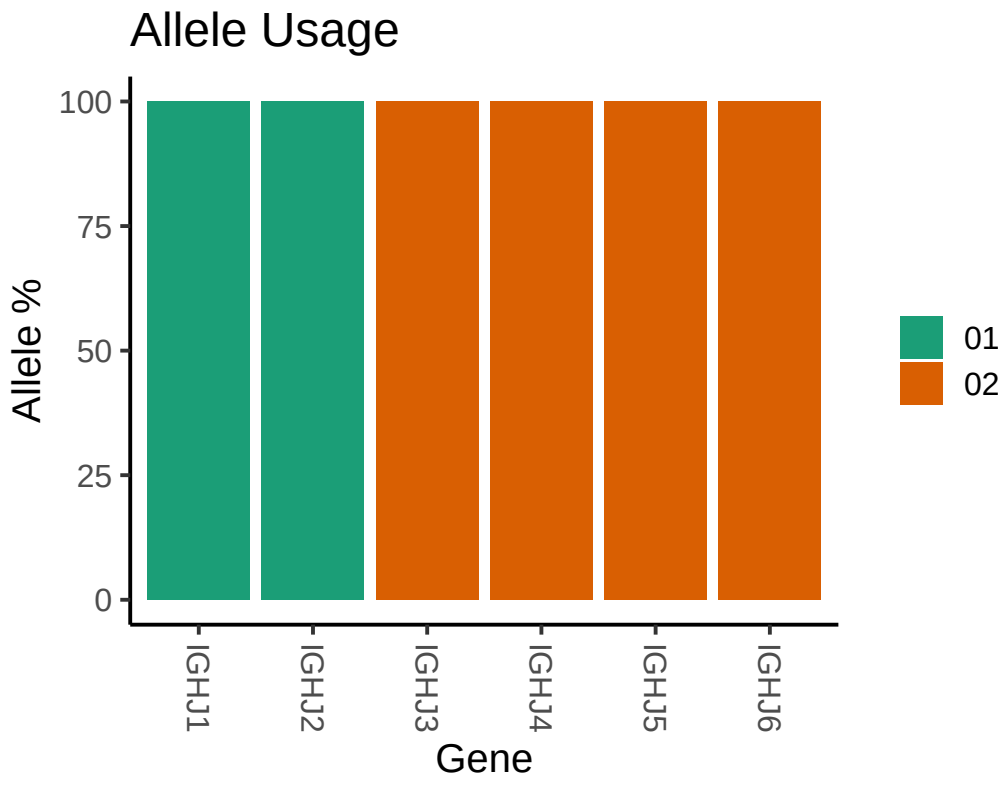


IGHV7−81*01

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




IGHV1−69*08_C191T
120
90
60
30
0
Count
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
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.

Warning − no inferred sequences found.

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