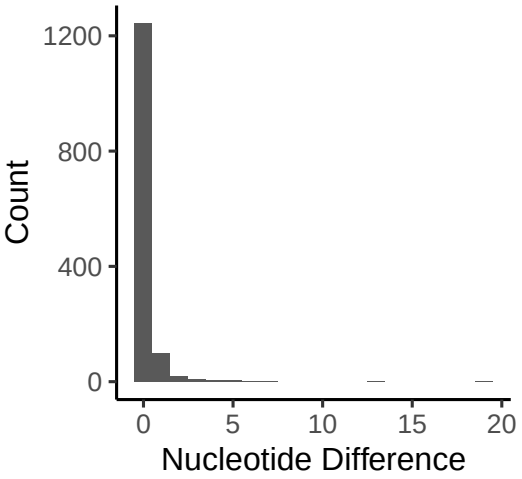
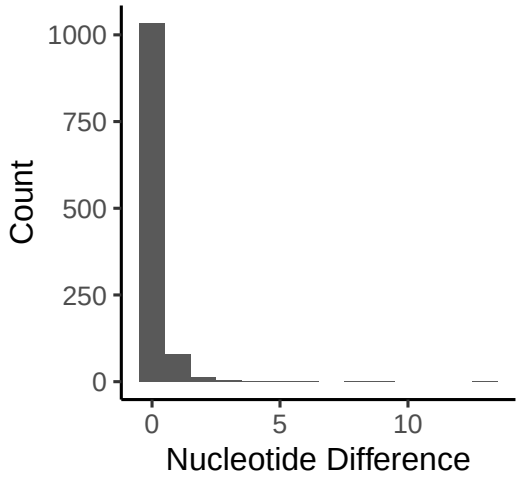
IGHV1−2*02

1384 sequences assigned
1243 (89.8%) exact matches, in which:
1183 unique CDR3
6 unique J



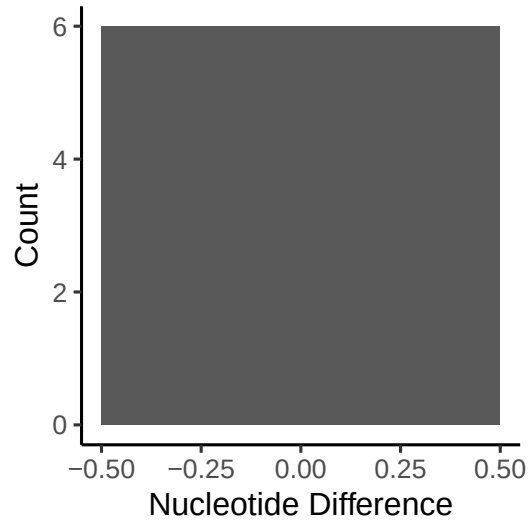
IGHV1−8*01

1139 sequences assigned
1033 (90.7%) exact matches, in which:
986 unique CDR3
6 unique J



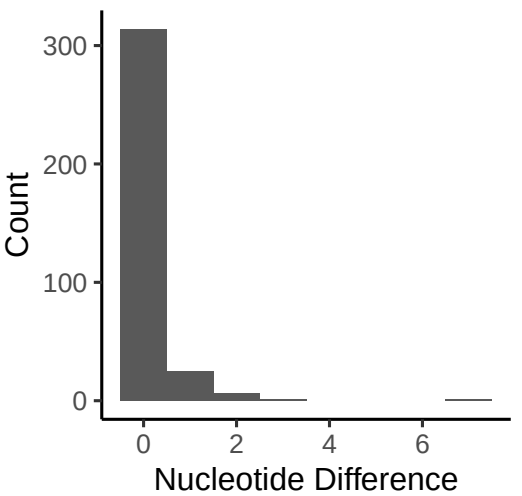
IGHV1−45*02

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
2 unique J



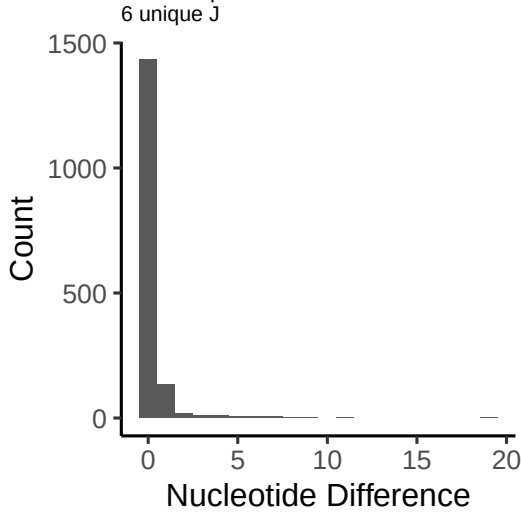
IGHV1−2*04

347 sequences assigned
314 (90.5%) exact matches, in which:
289 unique CDR3
6 unique J



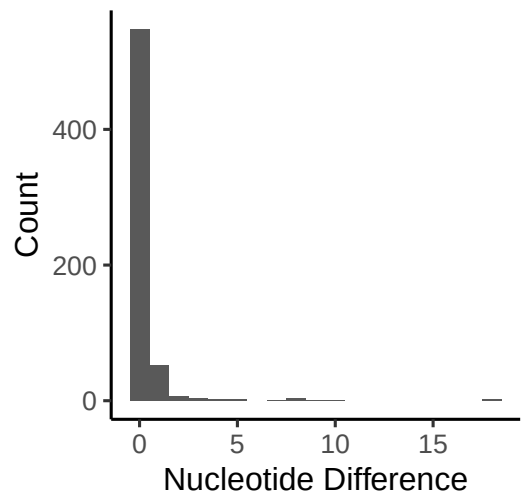
IGHV1−18*01

1627 sequences assigned
1433 (88.1%) exact matches, in which:
1381 unique CDR3
6 unique J



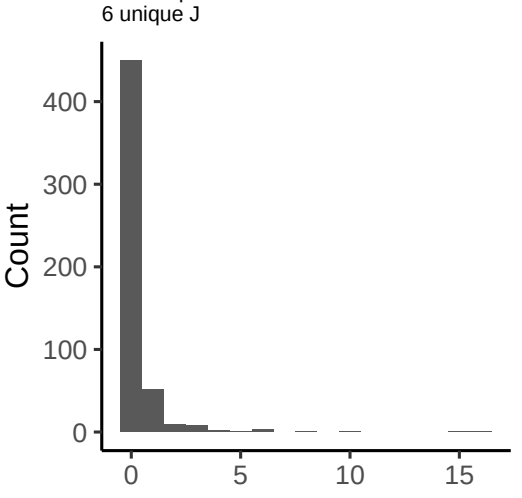
IGHV1−46*01

623 sequences assigned
548 (88%) exact matches, in which:
521 unique CDR3
6 unique J



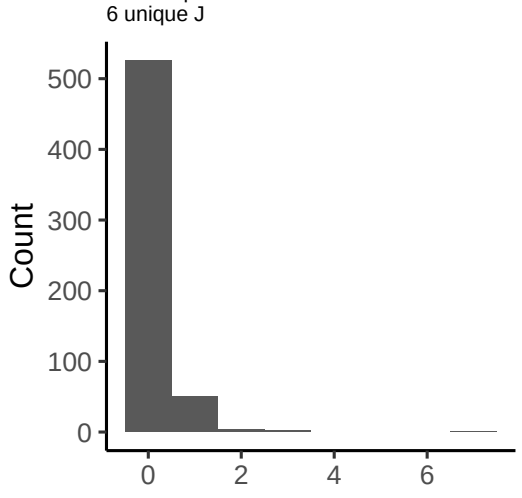
IGHV1−3*01

529 sequences assigned
450 (85.1%) exact matches, in which:
436 unique CDR3
6 unique J



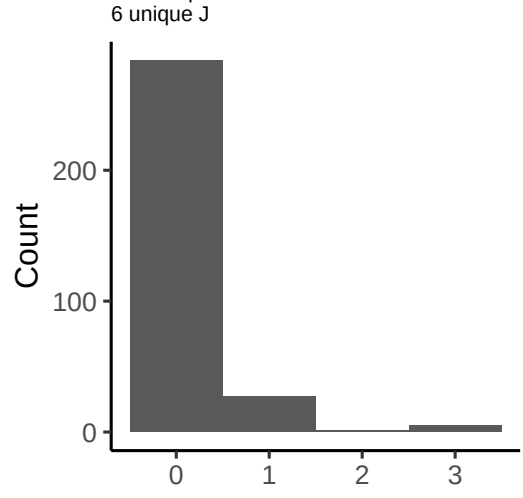
IGHV1−24*01

583 sequences assigned
526 (90.2%) exact matches, in which:
503 unique CDR3
6 unique J



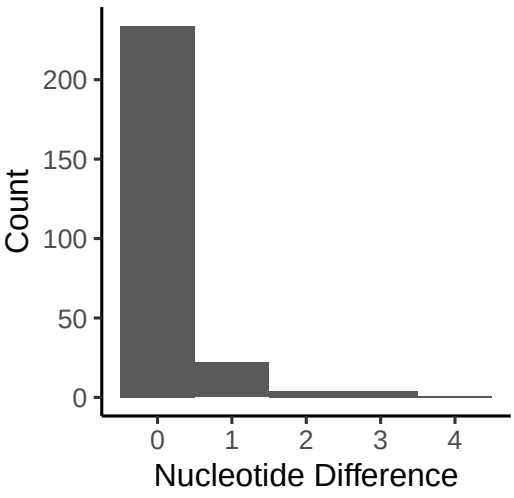
IGHV1−46*03

318 sequences assigned
284 (89.3%) exact matches, in which:
265 unique CDR3
6 unique J



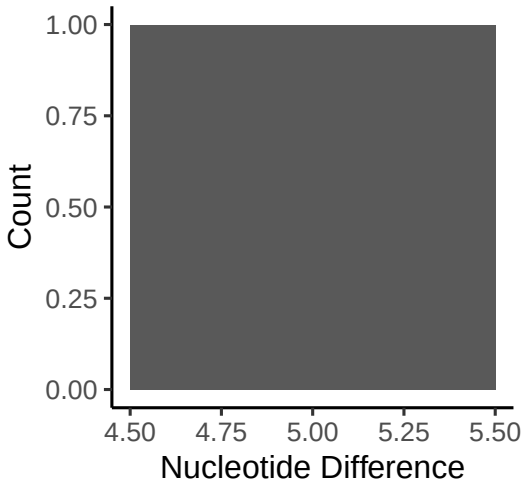
IGHV1−58*01

265 sequences assigned
234 (88.3%) exact matches, in which:
220 unique CDR3
6 unique J



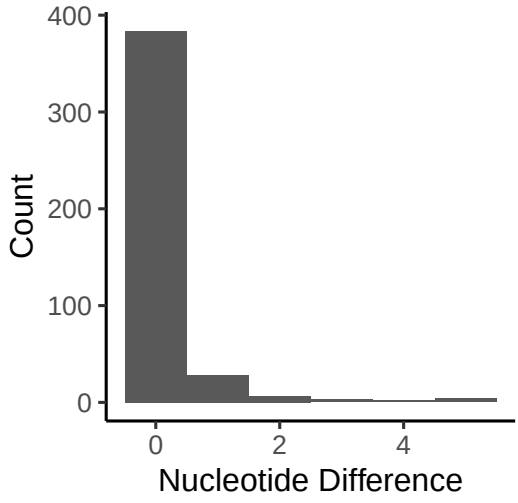
IGHV1−NL1*01

1 sequences assigned
No exact matches.



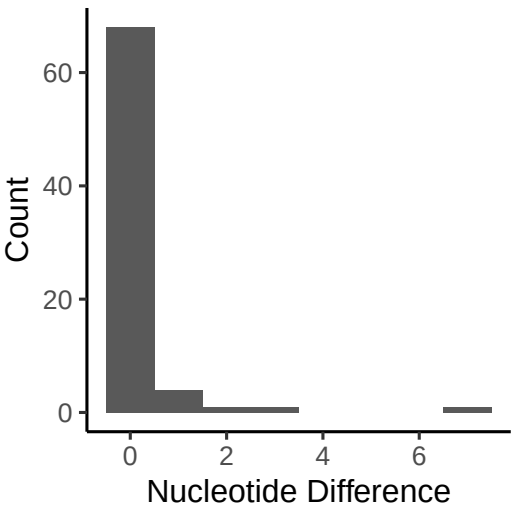
IGHV2−26*01

428 sequences assigned
384 (89.7%) exact matches, in which:
374 unique CDR3
6 unique J



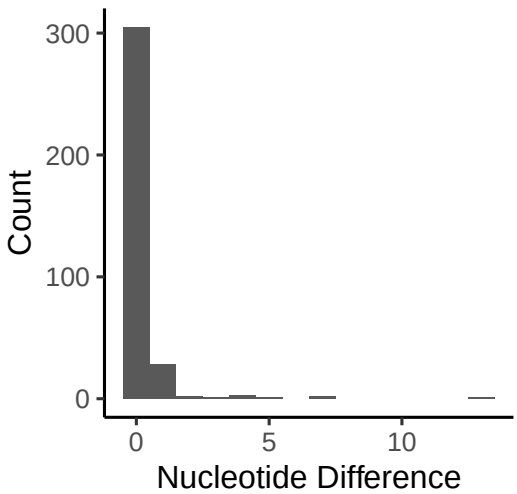
IGHV1−69−2*01

75 sequences assigned
68 (90.7%) exact matches, in which:
67 unique CDR3
5 unique J



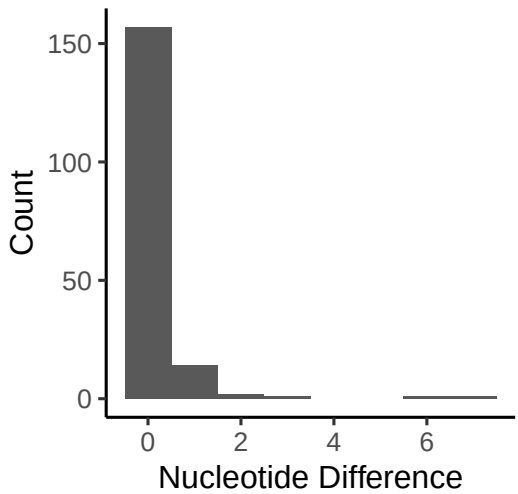
IGHV2−5*01

343 sequences assigned
305 (88.9%) exact matches, in which:
295 unique CDR3
6 unique J



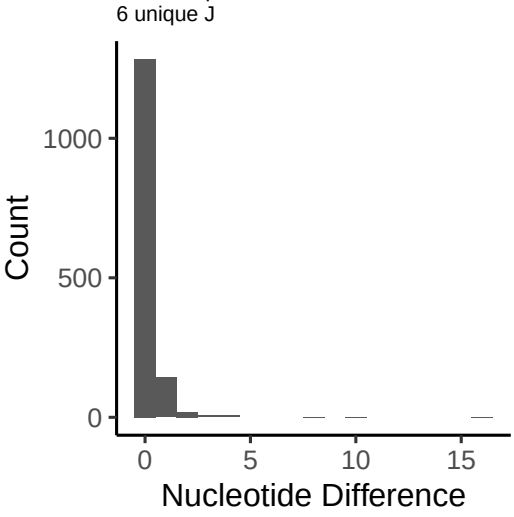
IGHV2−70*01

176 sequences assigned
157 (89.2%) exact matches, in which:
153 unique CDR3
5 unique J



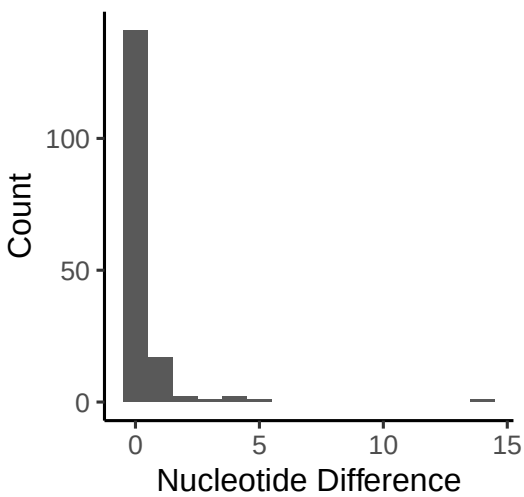
IGHV1−69*06

1465 sequences assigned
1284 (87.6%) exact matches, in which:
1205 unique CDR3
6 unique J



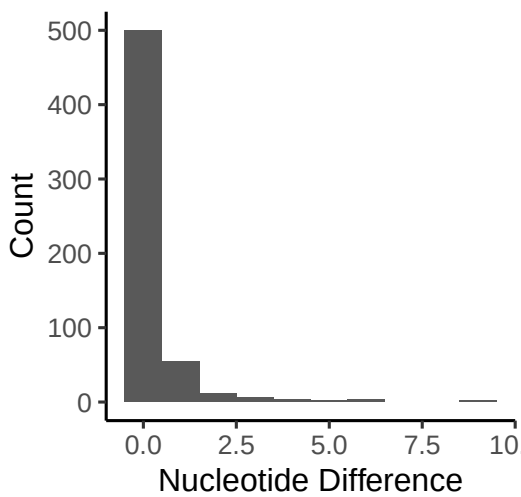
IGHV2−5*02

165 sequences assigned
141 (85.5%) exact matches, in which:
139 unique CDR3
6 unique J



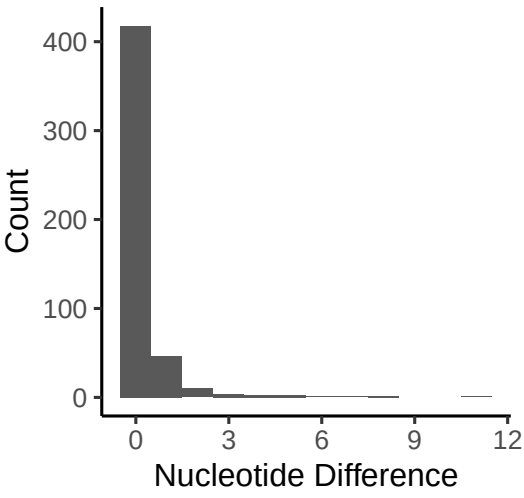
IGHV3−7*01

582 sequences assigned
500 (85.9%) exact matches, in which:
481 unique CDR3
6 unique J



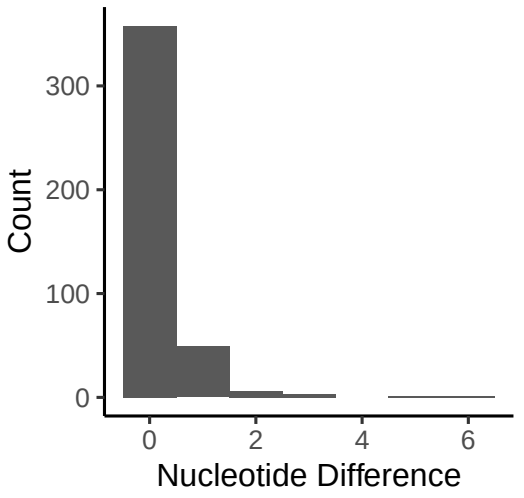
IGHV3−7*03

490 sequences assigned
418 (85.3%) exact matches, in which:
396 unique CDR3
6 unique J



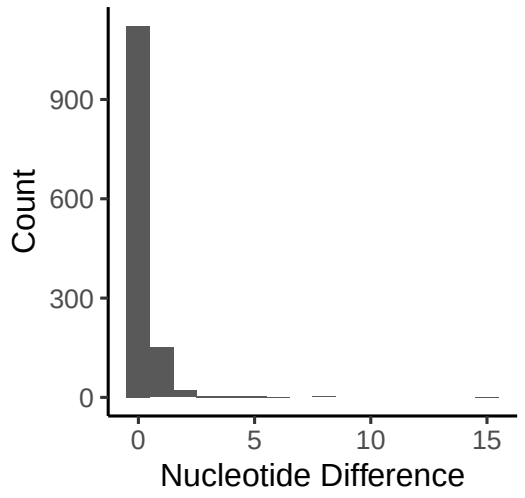
IGHV3−11*06

420 sequences assigned
358 (85.2%) exact matches, in which:
338 unique CDR3
6 unique J



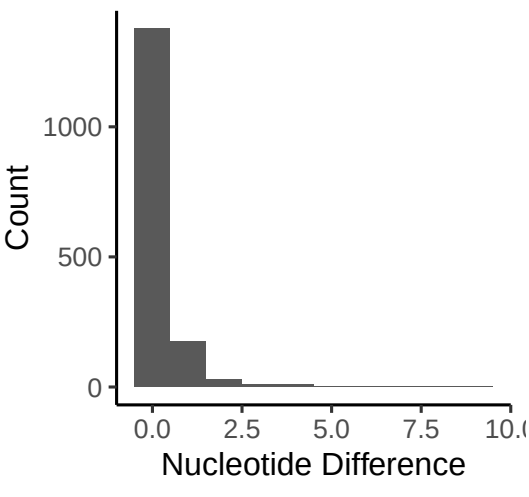
IGHV3−15*01

1314 sequences assigned
1123 (85.5%) exact matches, in which:
1073 unique CDR3
6 unique J



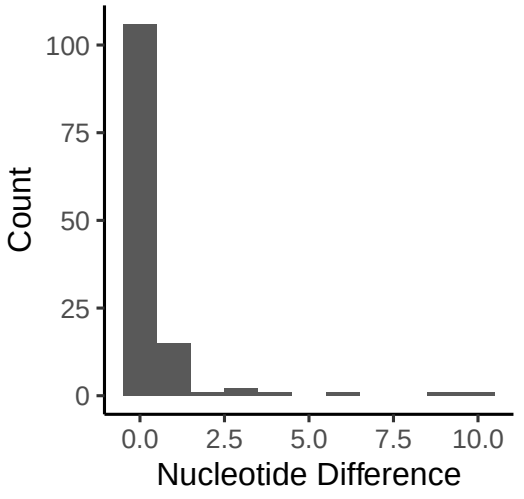
IGHV3−9*01

1606 sequences assigned
1377 (85.7%) exact matches, in which:
1270 unique CDR3
6 unique J



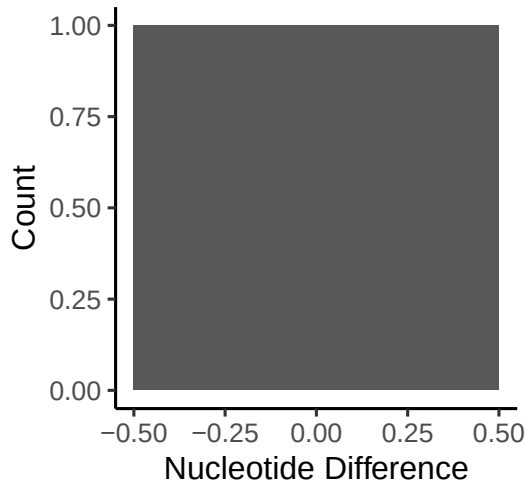
IGHV3−13*01

128 sequences assigned
106 (82.8%) exact matches, in which:
101 unique CDR3
5 unique J



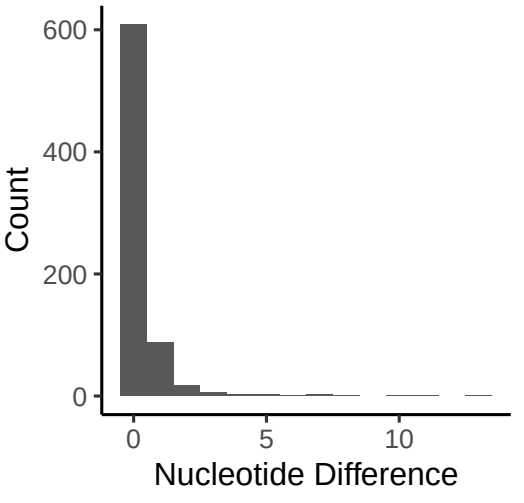
IGHV3−19*01

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



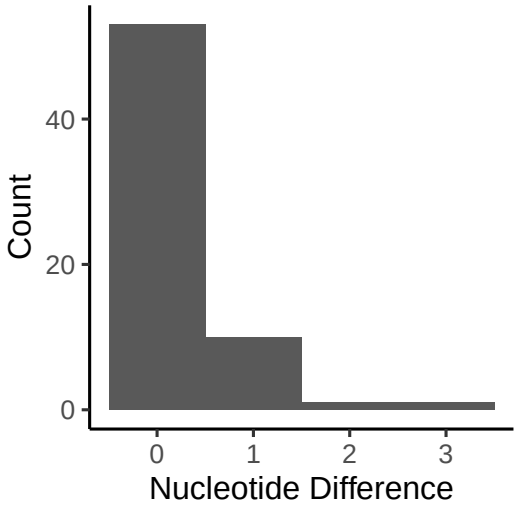
IGHV3−11*01

733 sequences assigned
609 (83.1%) exact matches, in which:
578 unique CDR3
6 unique J



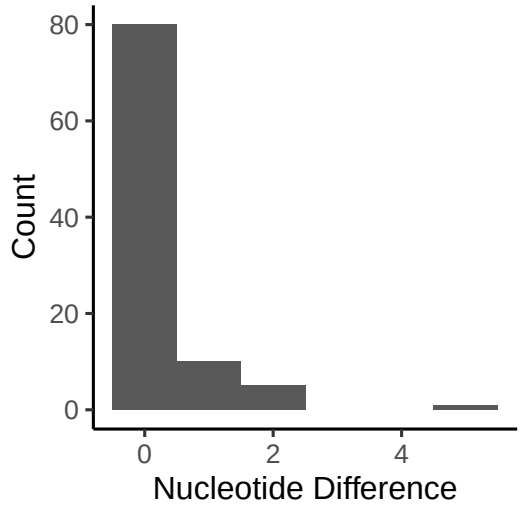
IGHV3−13*05

65 sequences assigned
53 (81.5%) exact matches, in which:
50 unique CDR3
5 unique J



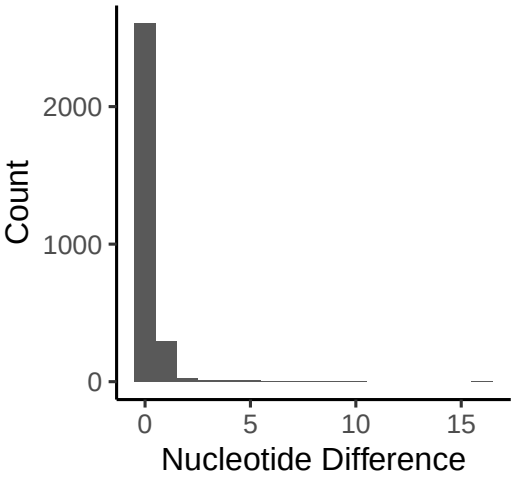
IGHV3−20*01

96 sequences assigned
80 (83.3%) exact matches, in which:
75 unique CDR3
5 unique J



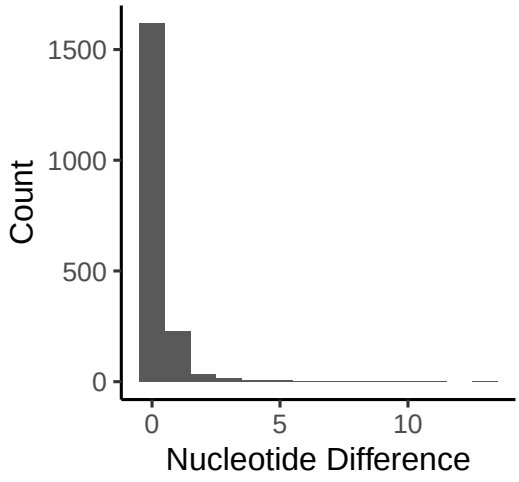
IGHV3−21*01

2980 sequences assigned
2605 (87.4%) exact matches, in which:
2441 unique CDR3
6 unique J



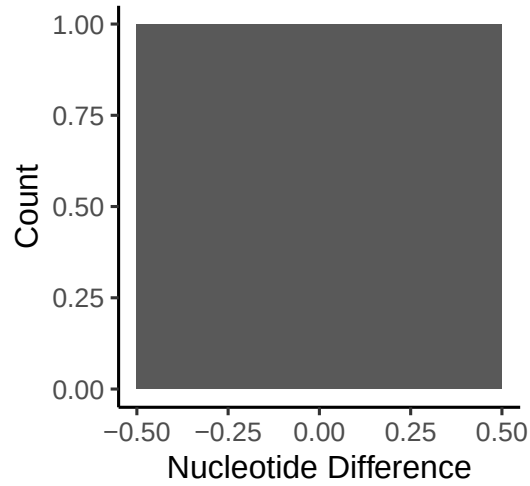
IGHV3−33*01

1917 sequences assigned
1618 (84.4%) exact matches, in which:
1522 unique CDR3
6 unique J



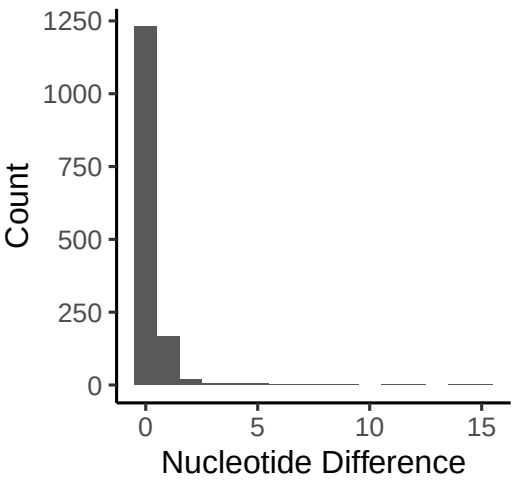
IGHV3−47*02

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



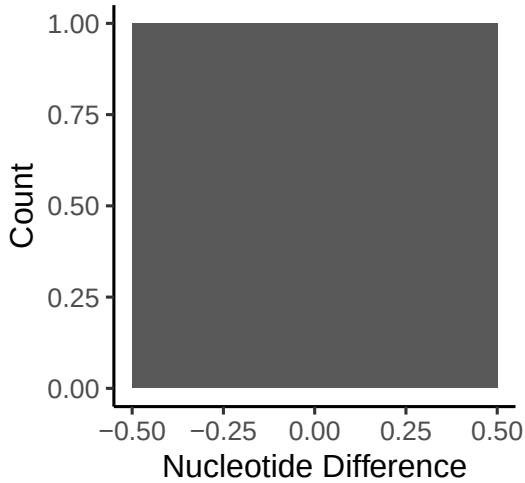
IGHV3−30−3*01

1447 sequences assigned
1230 (85%) exact matches, in which:
1159 unique CDR3
6 unique J



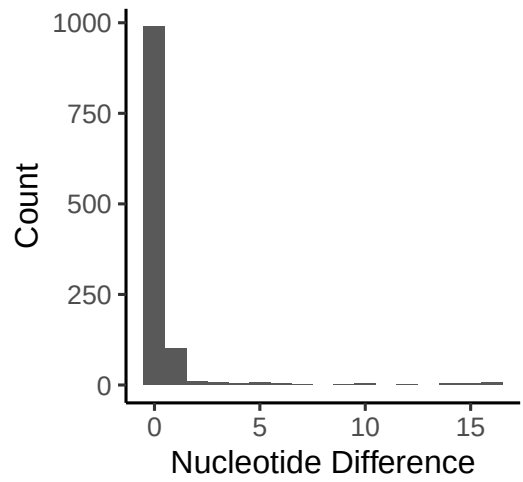
IGHV3−35*01

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



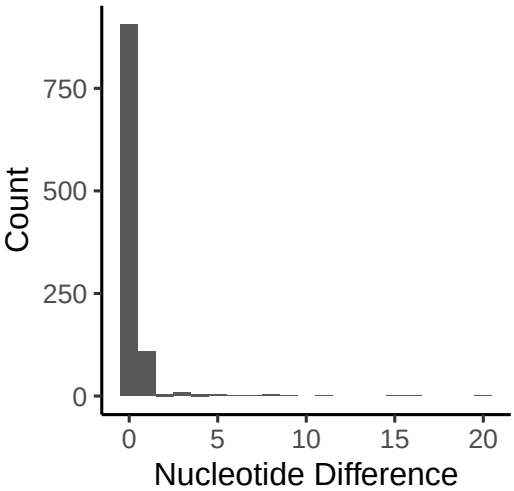
IGHV3−48*02

1142 sequences assigned
989 (86.6%) exact matches, in which:
933 unique CDR3
6 unique J



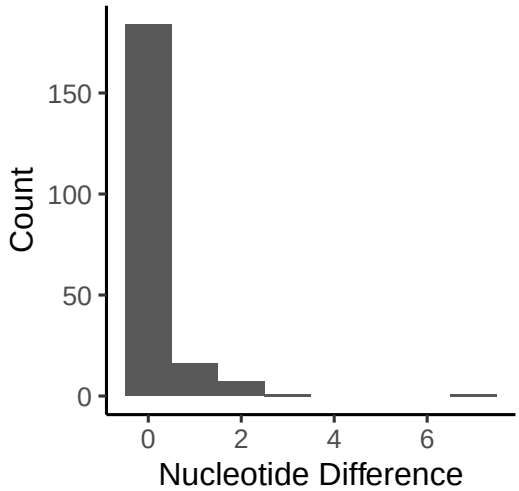
IGHV3−30*03

1049 sequences assigned
906 (86.4%) exact matches, in which:
844 unique CDR3
6 unique J



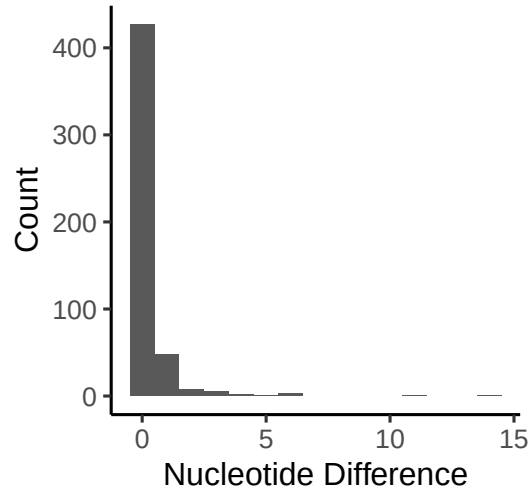
IGHV3−43*01

209 sequences assigned
184 (88%) exact matches, in which:
173 unique CDR3
6 unique J



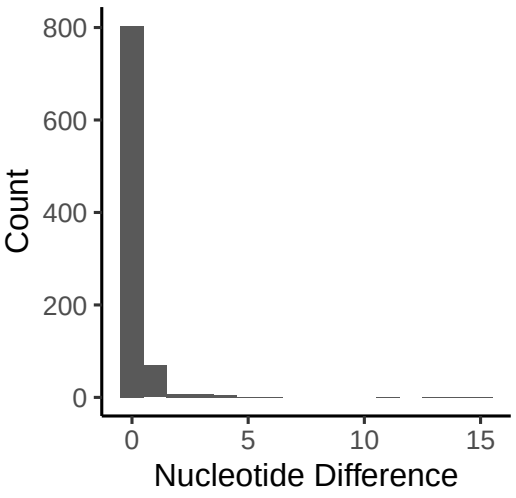
IGHV3−49*05

496 sequences assigned
427 (86.1%) exact matches, in which:
402 unique CDR3
6 unique J



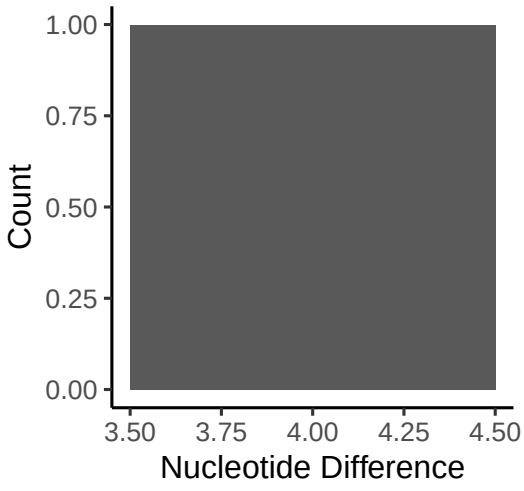
IGHV3−53*01

899 sequences assigned
804 (89.4%) exact matches, in which:
765 unique CDR3
6 unique J



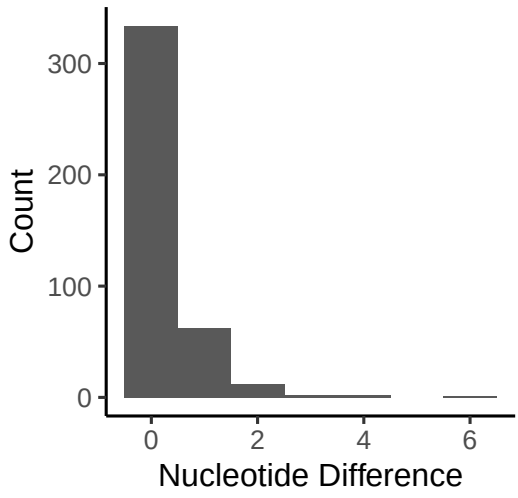
IGHV3−66*01

1 sequences assigned
No exact matches.



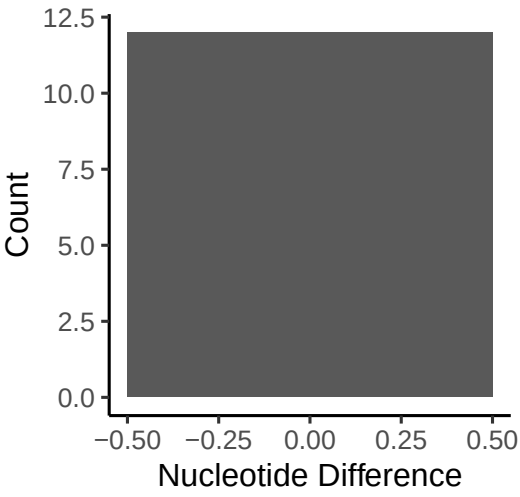
IGHV3−73*02

413 sequences assigned
334 (80.9%) exact matches, in which:
314 unique CDR3
6 unique J



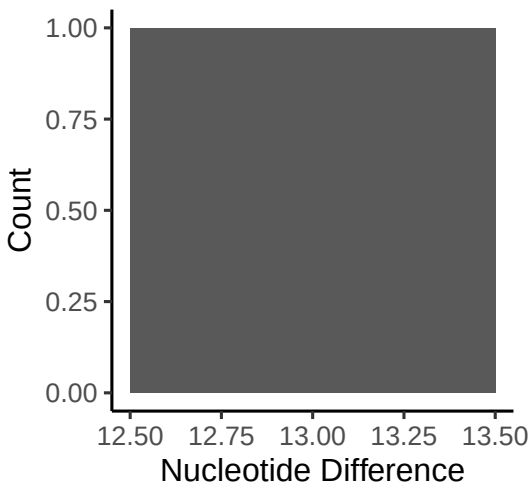
IGHV3−64*02

12 sequences assigned
12 (100%) exact matches, in which:
12 unique CDR3
3 unique J



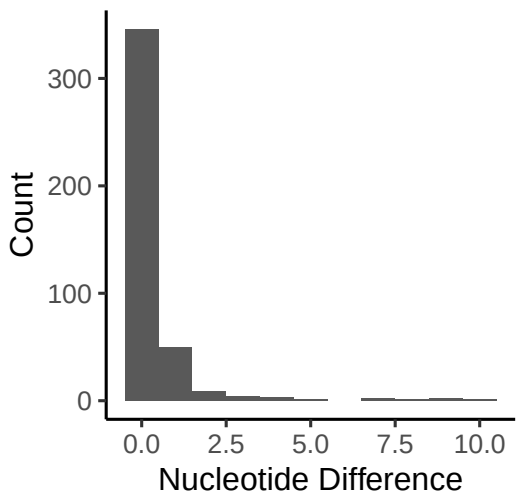
IGHV3−66*02

1 sequences assigned
No exact matches.



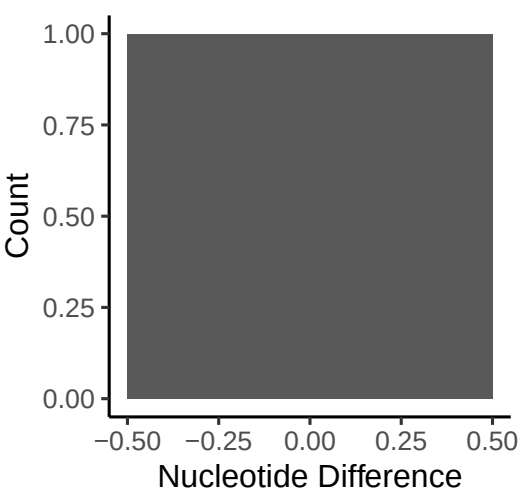
IGHV3−74*01

419 sequences assigned
346 (82.6%) exact matches, in which:
332 unique CDR3
6 unique J



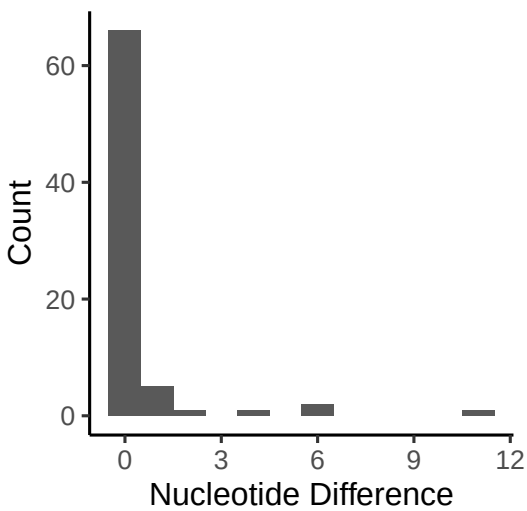
IGHV3−64*04

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



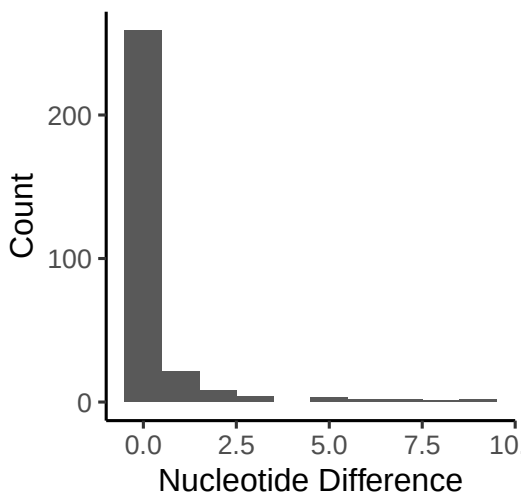
IGHV3−72*01

76 sequences assigned
66 (86.8%) exact matches, in which:
62 unique CDR3
5 unique J



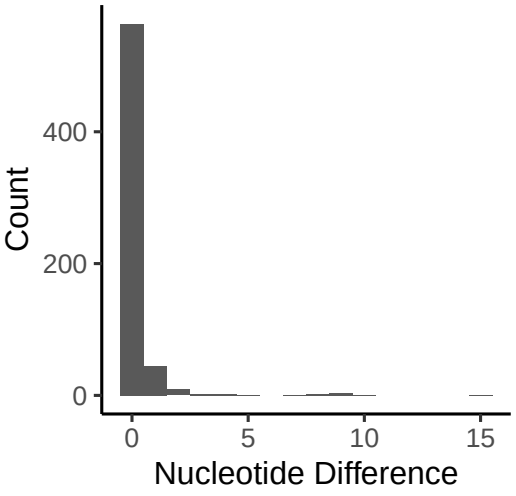
IGHV3−64D*09

302 sequences assigned
259 (85.8%) exact matches, in which:
239 unique CDR3
6 unique J



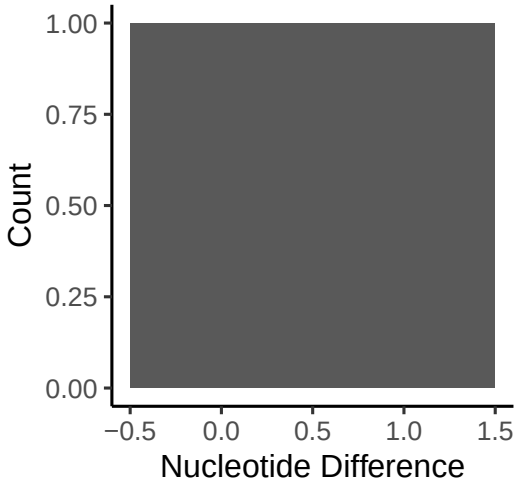
IGHV4−4*02

631 sequences assigned
564 (89.4%) exact matches, in which:
541 unique CDR3
6 unique J



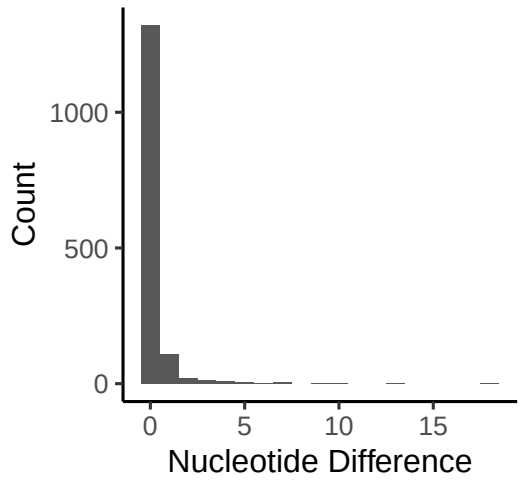
IGHV4−28*03

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



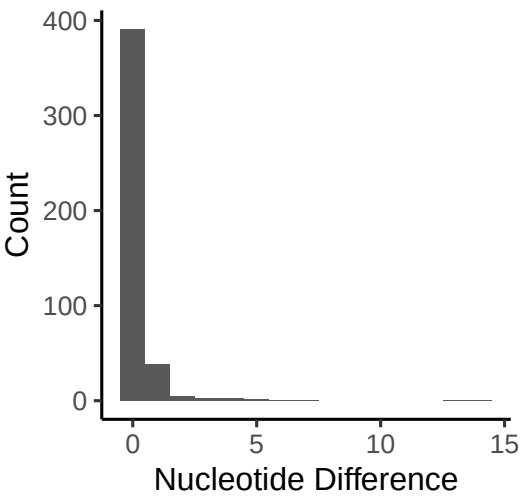
IGHV4−31*03

1489 sequences assigned
1320 (88.7%) exact matches, in which:
1259 unique CDR3
6 unique J



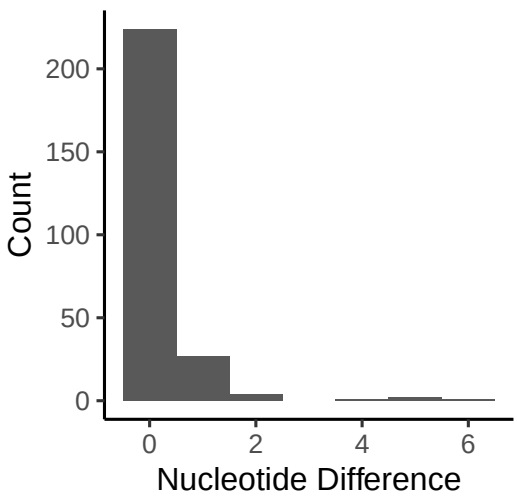
IGHV4−4*07

446 sequences assigned
391 (87.7%) exact matches, in which:
378 unique CDR3
6 unique J



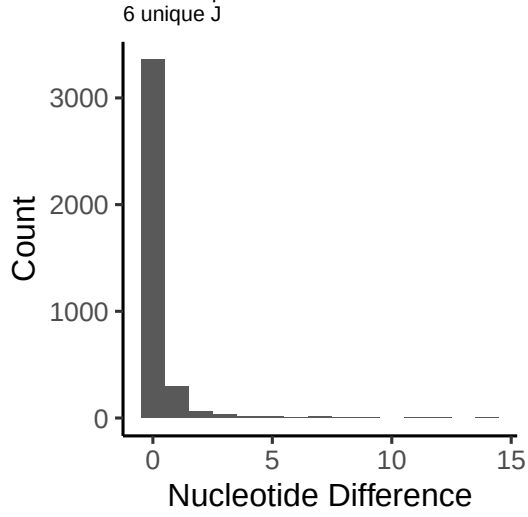
IGHV4−30−2*01

259 sequences assigned
224 (86.5%) exact matches, in which:
213 unique CDR3
5 unique J



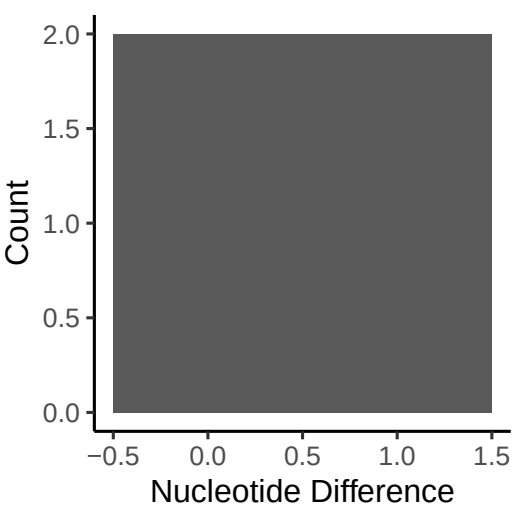
IGHV4−34*01

3807 sequences assigned
3358 (88.2%) exact matches, in which:
3146 unique CDR3
6 unique J



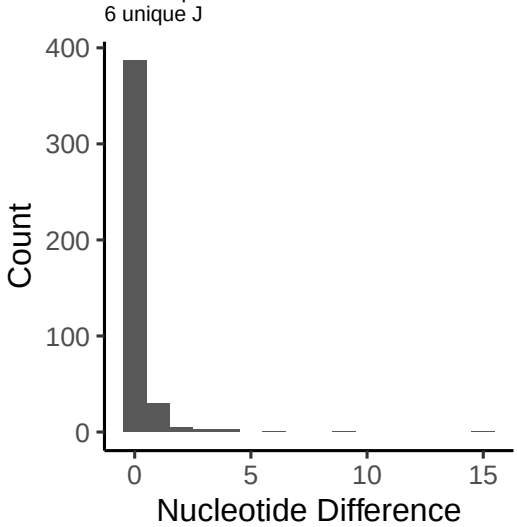
IGHV4−28*01

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



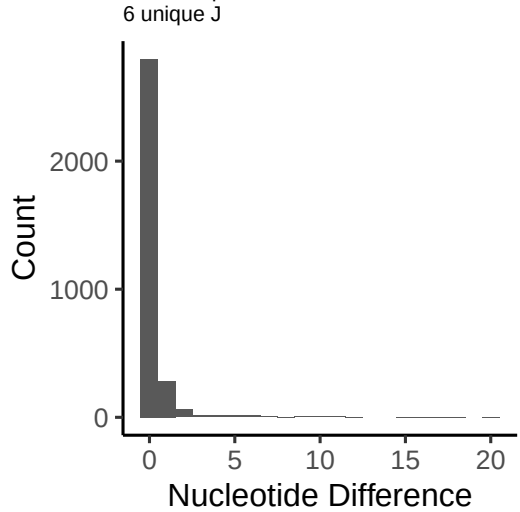
IGHV4−30−4*01

432 sequences assigned
387 (89.6%) exact matches, in which:
373 unique CDR3
6 unique J



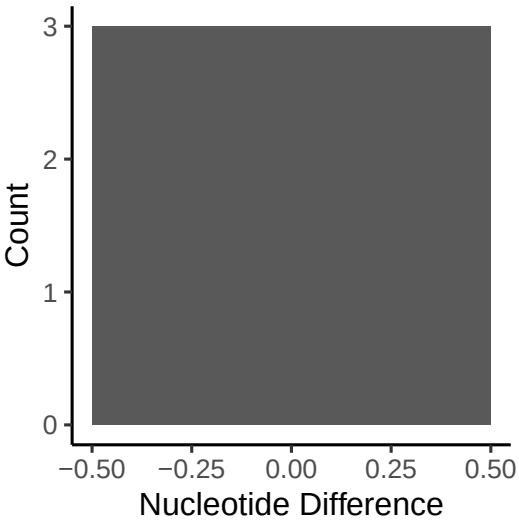
IGHV4−39*01

3230 sequences assigned
2797 (86.6%) exact matches, in which:
2638 unique CDR3
6 unique J



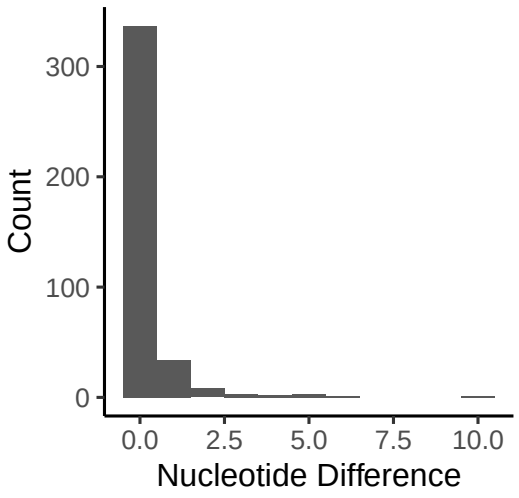
IGHV4−55*01

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



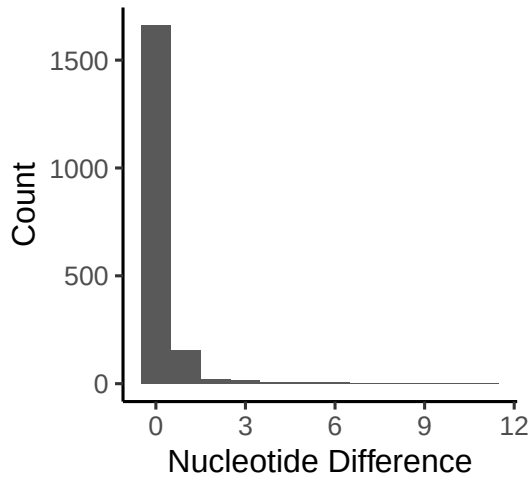
IGHV4−61*01

389 sequences assigned
337 (86.6%) exact matches, in which:
329 unique CDR3
6 unique J



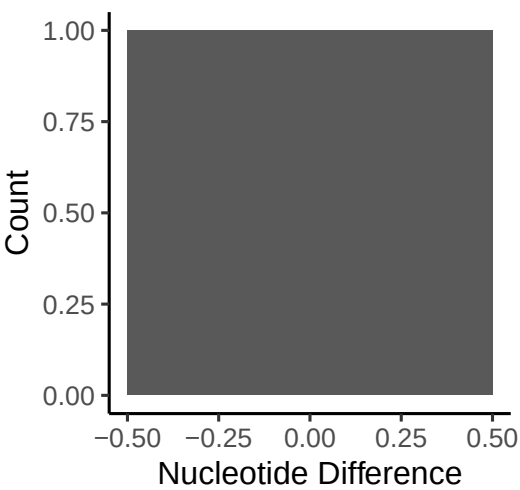
IGHV5−51*01

1881 sequences assigned
1661 (88.3%) exact matches, in which:
1579 unique CDR3
6 unique J



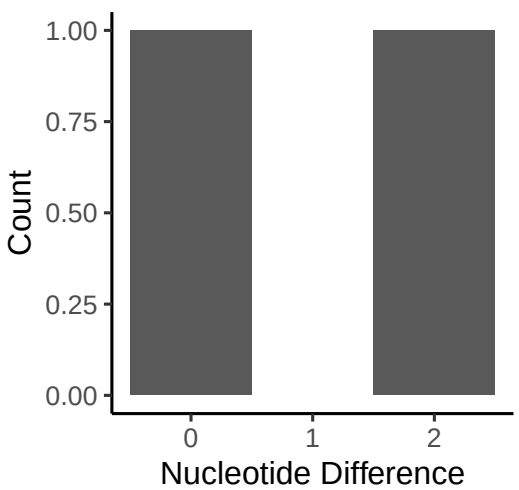
IGHV4−55*08

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



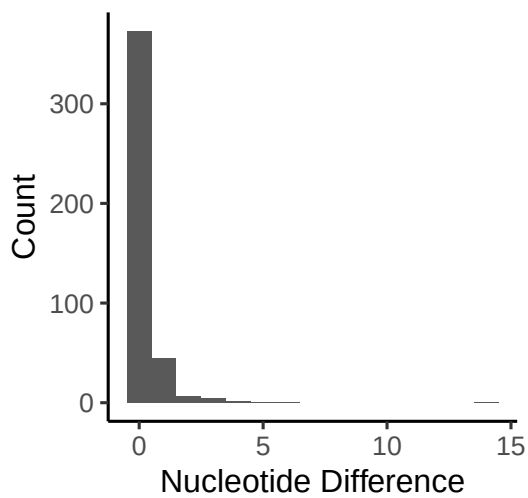
IGHV1/OR15−2*01

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



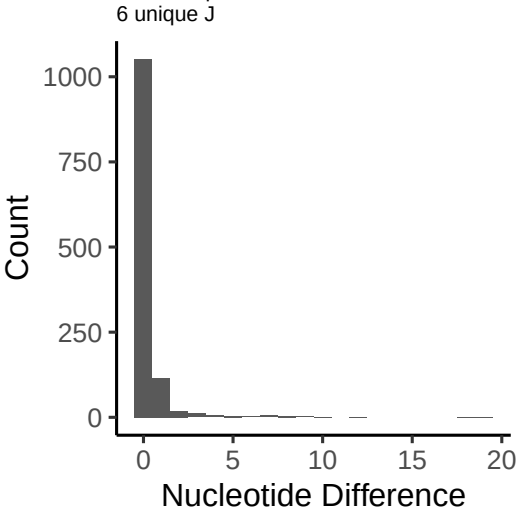
IGHV6−1*01

435 sequences assigned
373 (85.7%) exact matches, in which:
346 unique CDR3
6 unique J



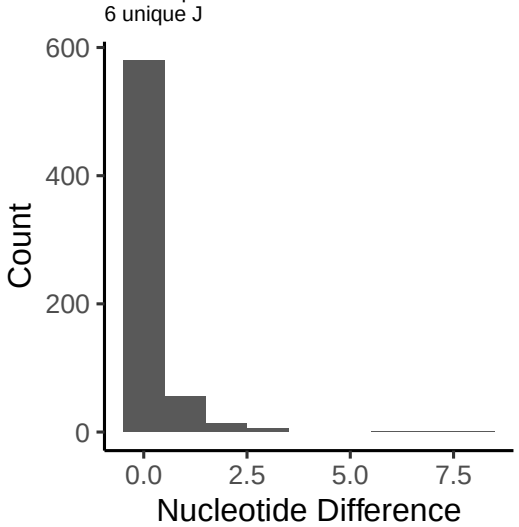
IGHV4−59*01

1221 sequences assigned
1052 (86.2%) exact matches, in which:
1022 unique CDR3
6 unique J



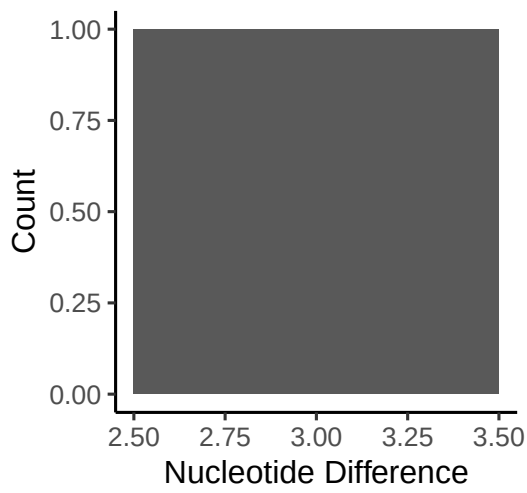
IGHV5−10−1*03

658 sequences assigned
580 (88.1%) exact matches, in which:
542 unique CDR3
6 unique J



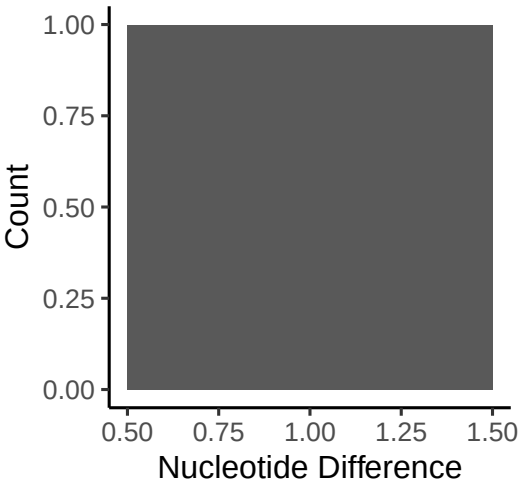
IGHV3/OR16−6*02

1 sequences assigned
No exact matches.



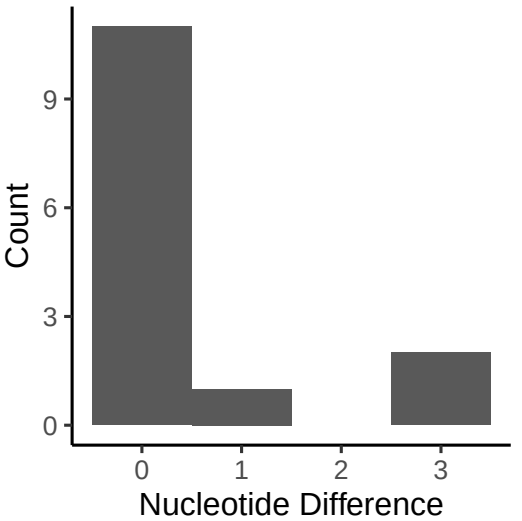
IGHV3/OR16−12*01

1 sequences assigned
No exact matches.



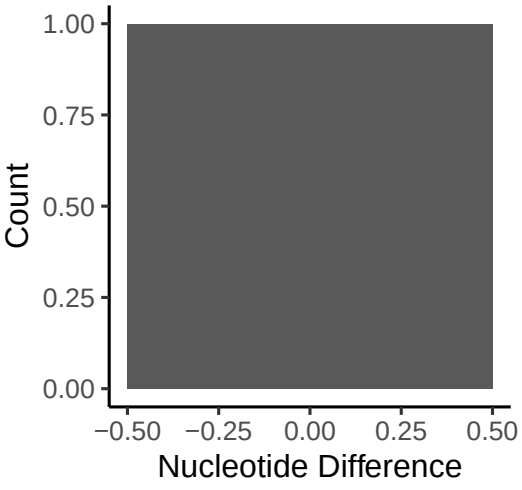
IGHV7−4−1*01

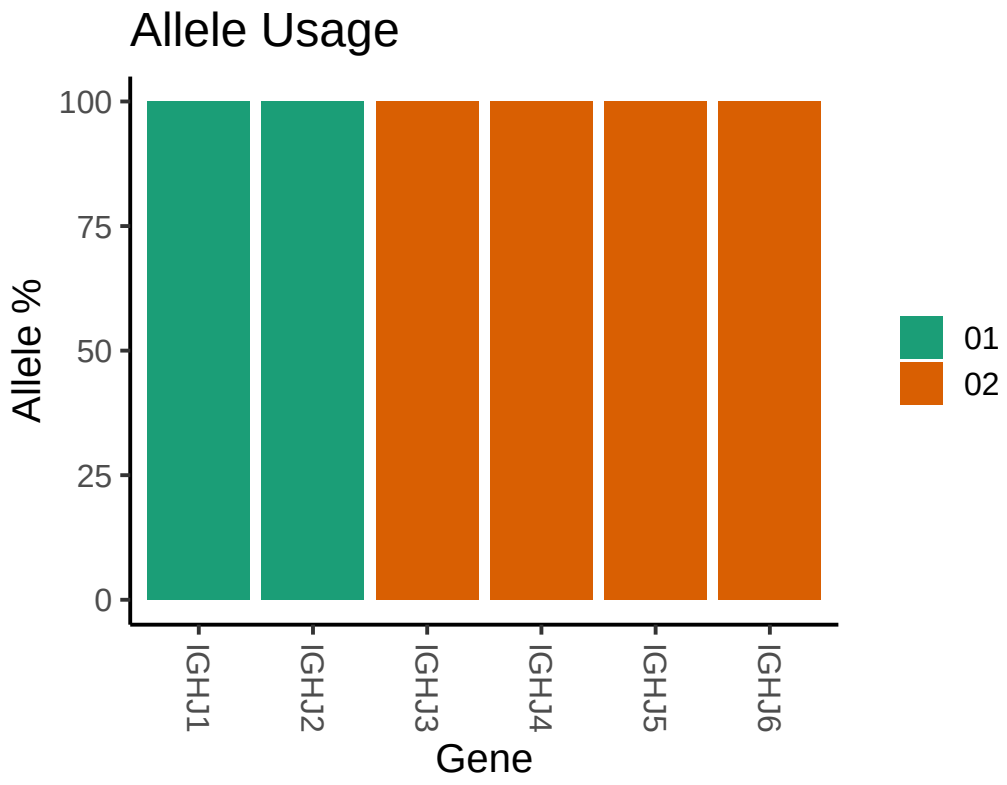
14 sequences assigned
11 (78.6%) exact matches, in which:
11 unique CDR3
3 unique J



IGHV7−81*01

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




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

Warning − no inferred sequences found.