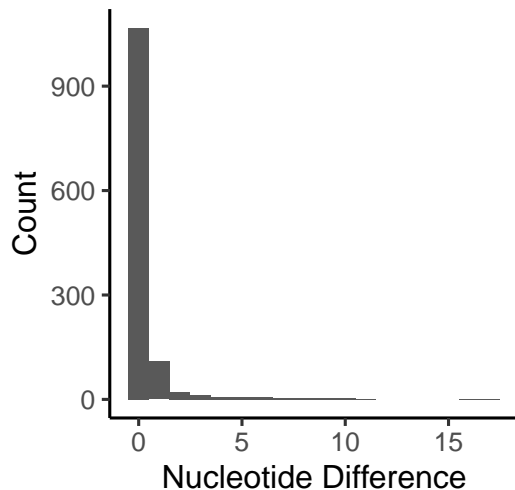


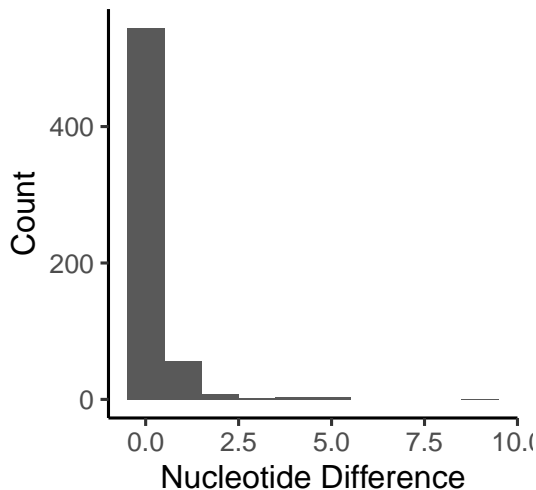
IGHV1-2*02

1253 sequences assigned
1068 (85.2%) exact matches, in which:
1020 unique CDR3
7 unique J



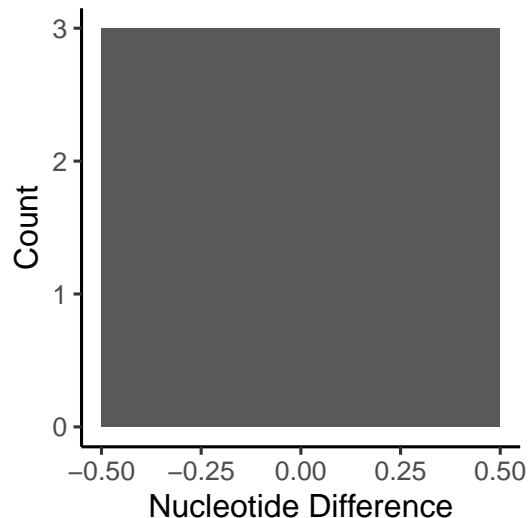
IGHV1-8*01

621 sequences assigned
545 (87.8%) exact matches, in which:
513 unique CDR3
6 unique J



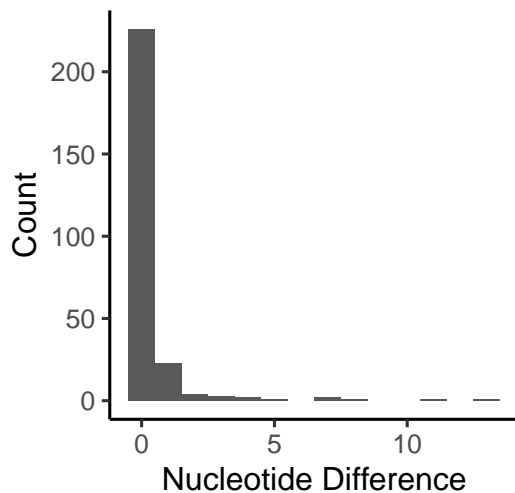
IGHV1-45*02

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



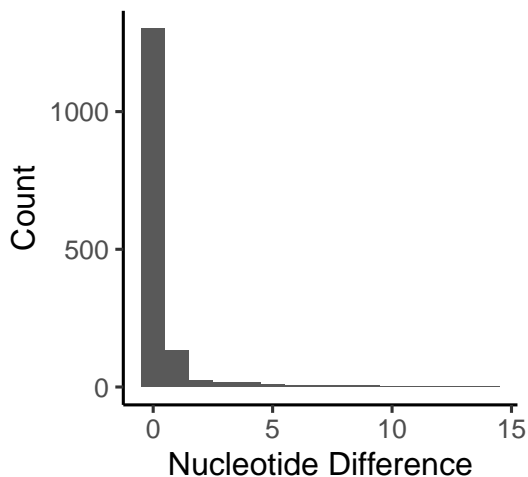
IGHV1-2*04

264 sequences assigned
226 (85.6%) exact matches, in which:
216 unique CDR3
6 unique J



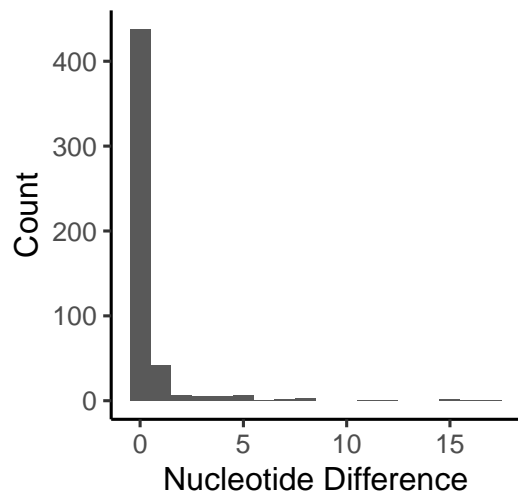
IGHV1-18*01

1527 sequences assigned
1301 (85.2%) exact matches, in which:
1249 unique CDR3
7 unique J



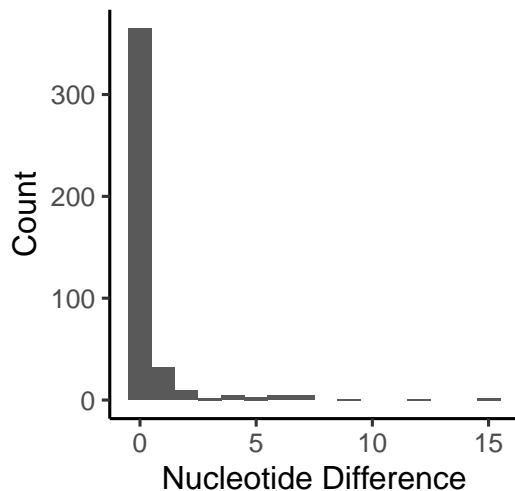
IGHV1-46*01

516 sequences assigned
438 (84.9%) exact matches, in which:
422 unique CDR3
6 unique J



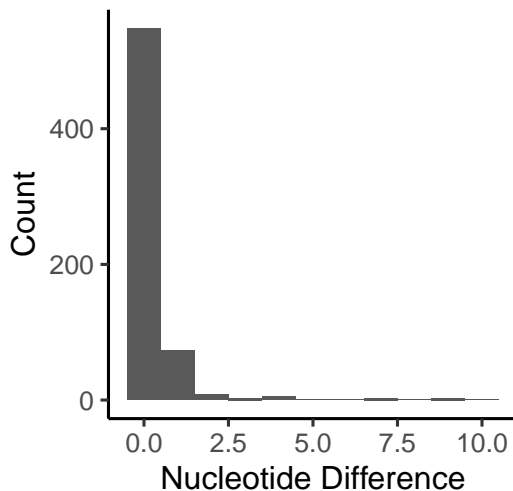
IGHV1-3*01

427 sequences assigned
365 (85.5%) exact matches, in which:
354 unique CDR3
7 unique J



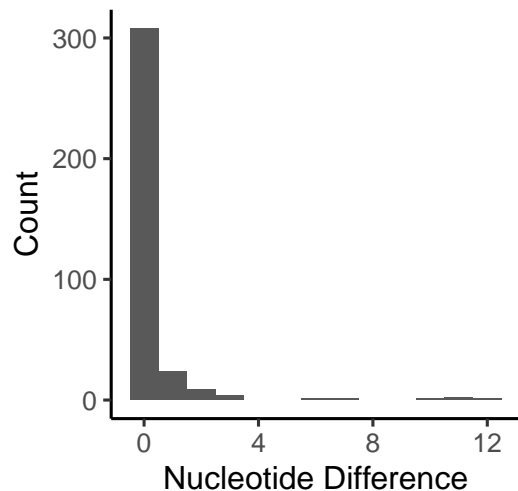
IGHV1-24*01

649 sequences assigned
548 (84.4%) exact matches, in which:
527 unique CDR3
7 unique J



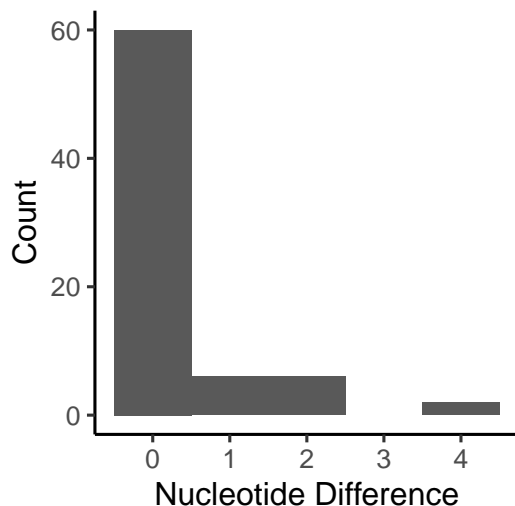
IGHV1-46*03

351 sequences assigned
308 (87.7%) exact matches, in which:
291 unique CDR3
7 unique J



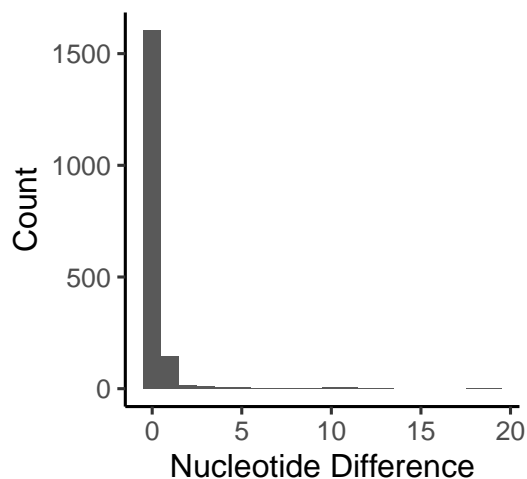
IGHV1-58*01

74 sequences assigned
60 (81.1%) exact matches, in which:
58 unique CDR3
5 unique J



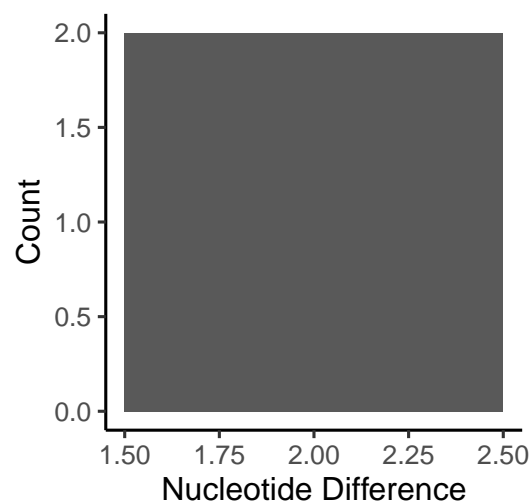
IGHV1-69*06

1815 sequences assigned
1604 (88.4%) exact matches, in which:
1523 unique CDR3
7 unique J



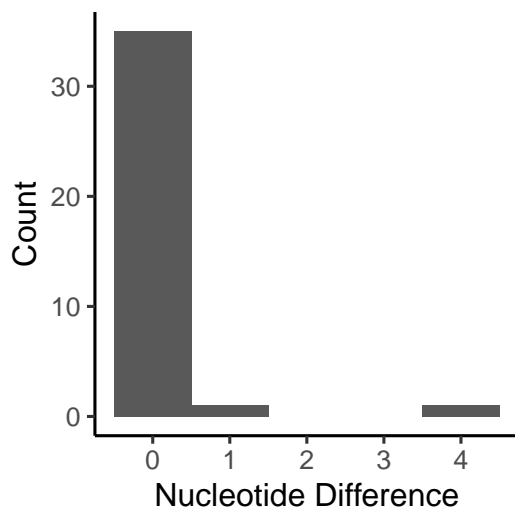
IGHV1-NL1*01

2 sequences assigned
No exact matches.



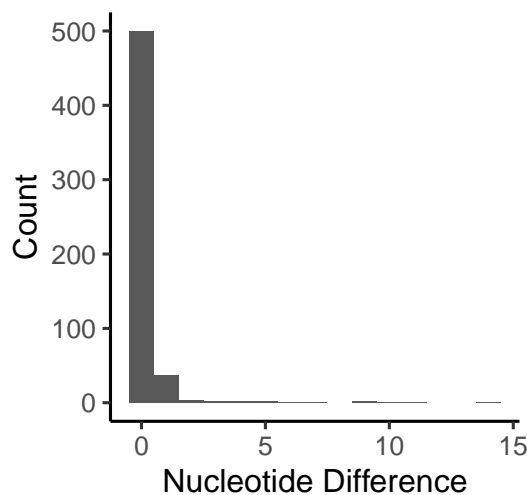
IGHV1-58*02

37 sequences assigned
35 (94.6%) exact matches, in which:
35 unique CDR3
5 unique J



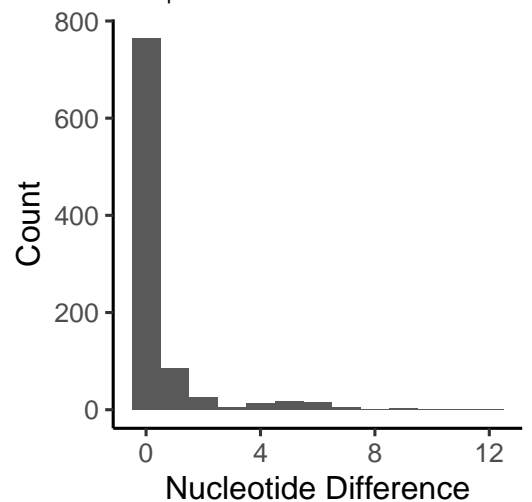
IGHV1-69*08_C191T

555 sequences assigned
500 (90.1%) exact matches, in which:
475 unique CDR3
6 unique J



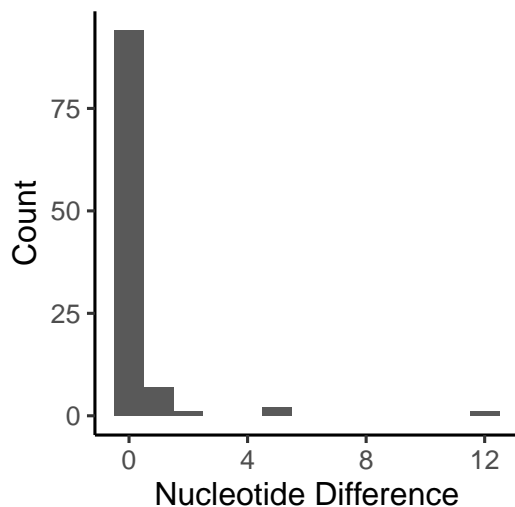
IGHV2-5*02

942 sequences assigned
765 (81.2%) exact matches, in which:
743 unique CDR3
7 unique J



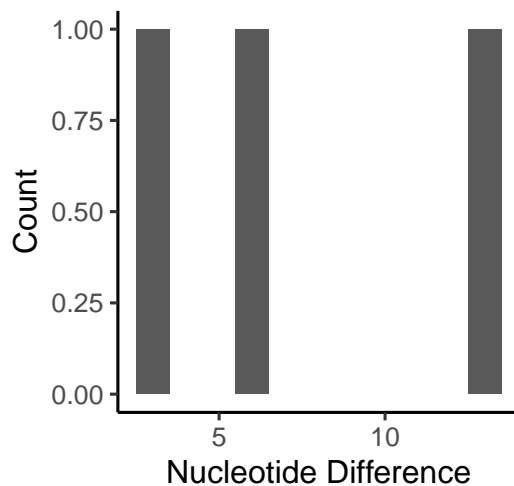
IGHV1-69-2*01

105 sequences assigned
94 (89.5%) exact matches, in which:
87 unique CDR3
5 unique J



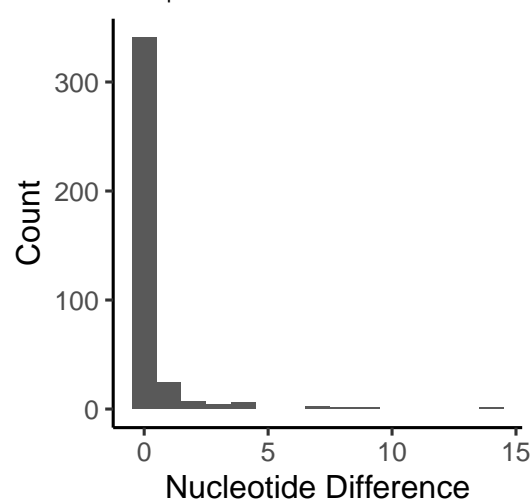
IGHV1-69D*01

3 sequences assigned
No exact matches.



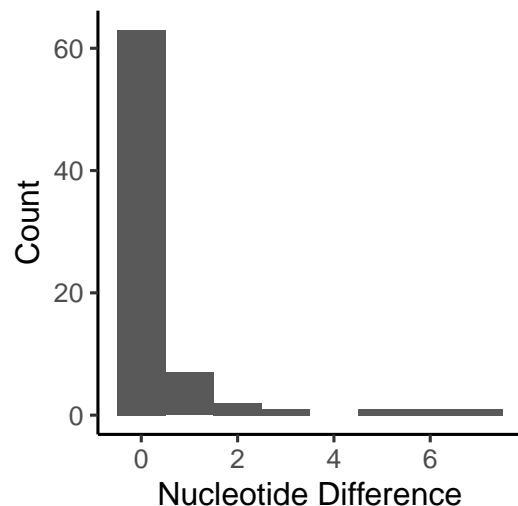
IGHV2-26*01

387 sequences assigned
341 (88.1%) exact matches, in which:
330 unique CDR3
6 unique J



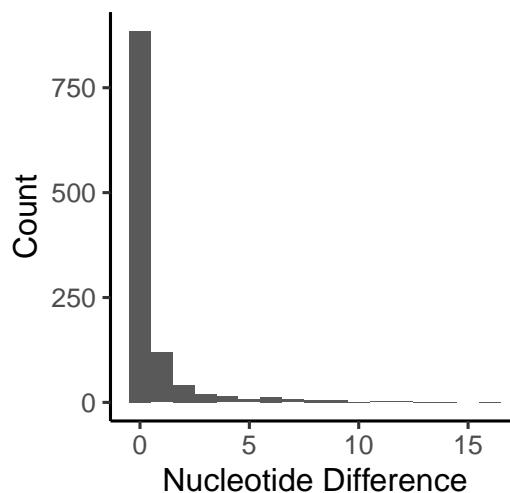
IGHV2-70*01

76 sequences assigned
63 (82.9%) exact matches, in which:
62 unique CDR3
6 unique J



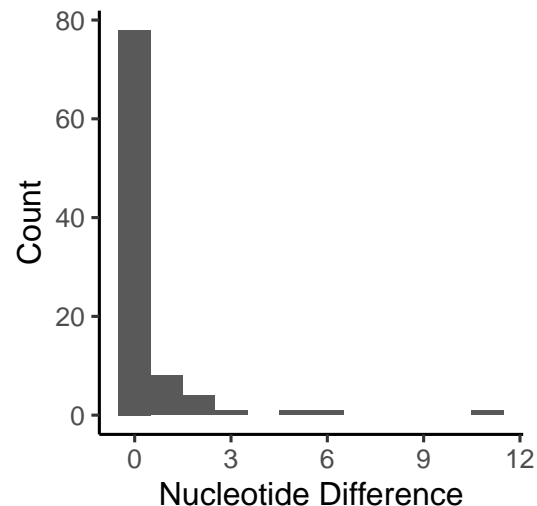
IGHV3-9*01

1126 sequences assigned
886 (78.7%) exact matches, in which:
833 unique CDR3
7 unique J



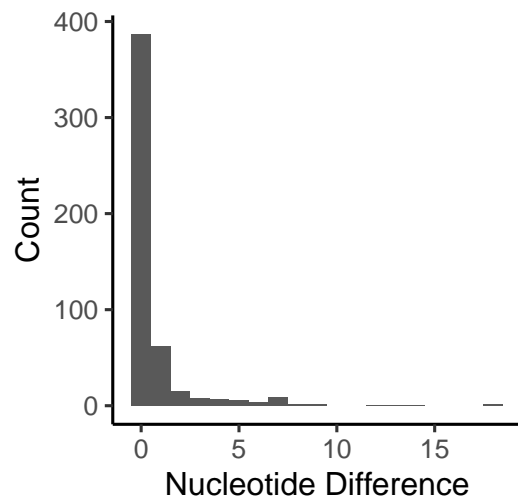
IGHV3-13*01

94 sequences assigned
78 (83%) exact matches, in which:
74 unique CDR3
6 unique J



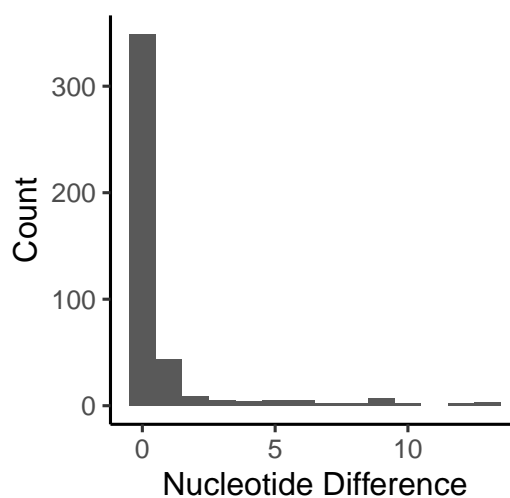
IGHV3-7*01

507 sequences assigned
387 (76.3%) exact matches, in which:
371 unique CDR3
6 unique J



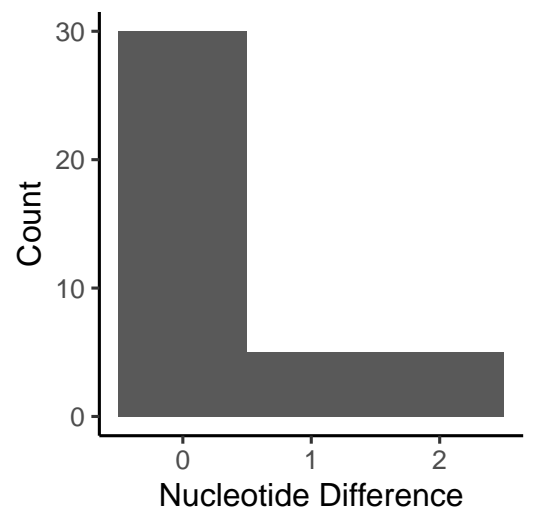
IGHV3-11*01

439 sequences assigned
349 (79.5%) exact matches, in which:
337 unique CDR3
6 unique J



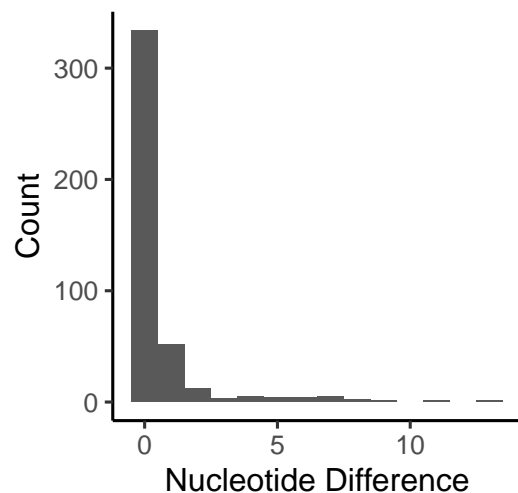
IGHV3-13*05

40 sequences assigned
30 (75%) exact matches, in which:
29 unique CDR3
5 unique J



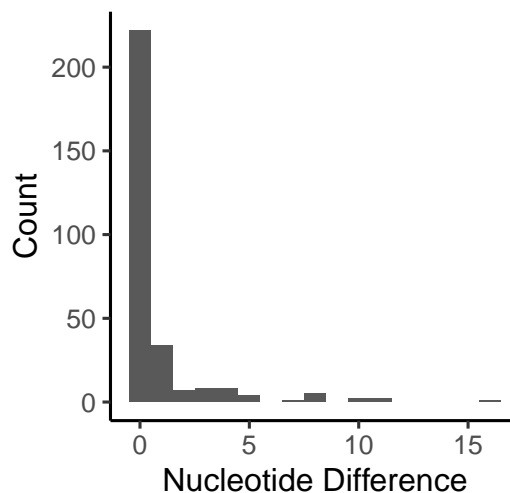
IGHV3-7*03

424 sequences assigned
334 (78.8%) exact matches, in which:
323 unique CDR3
7 unique J



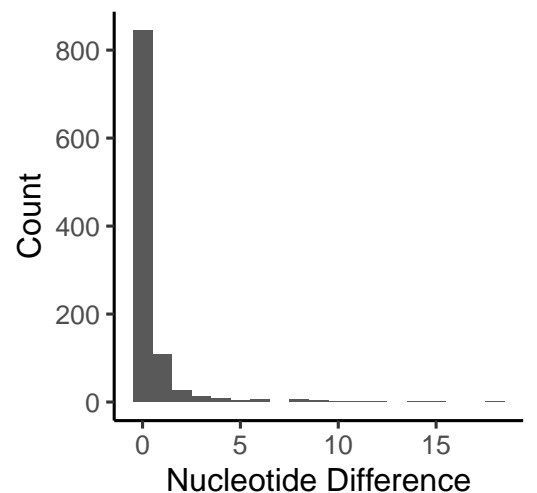
IGHV3-11*06

294 sequences assigned
222 (75.5%) exact matches, in which:
213 unique CDR3
6 unique J



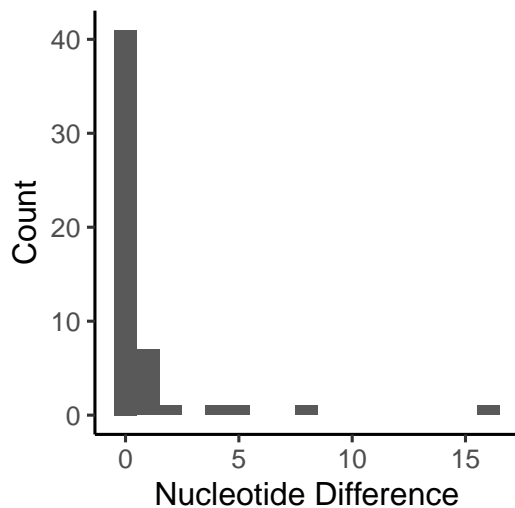
IGHV3-15*01

1027 sequences assigned
845 (82.3%) exact matches, in which:
812 unique CDR3
7 unique J



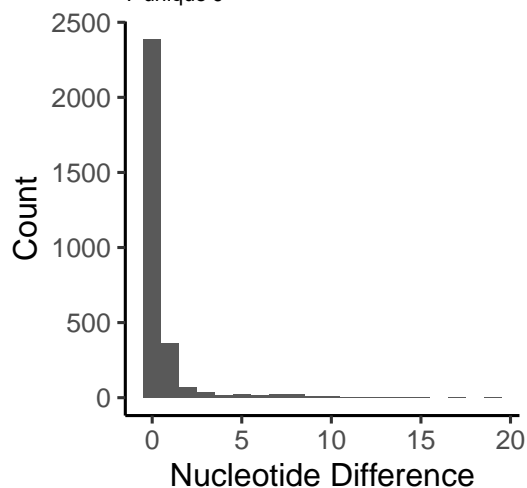
IGHV3-20*01

53 sequences assigned
41 (77.4%) exact matches, in which:
39 unique CDR3
5 unique J



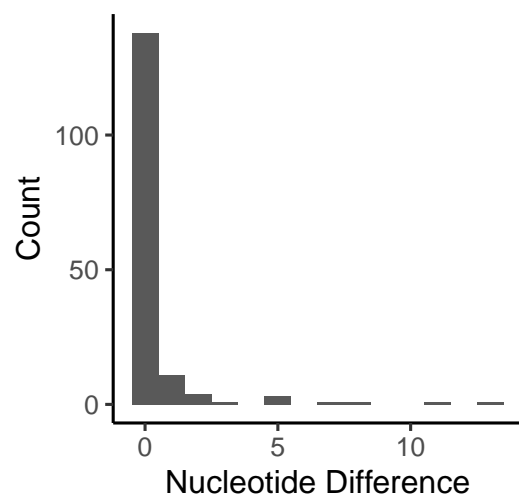
IGHV3-30-3*01

2996 sequences assigned
2386 (79.6%) exact matches, in which:
2267 unique CDR3
7 unique J



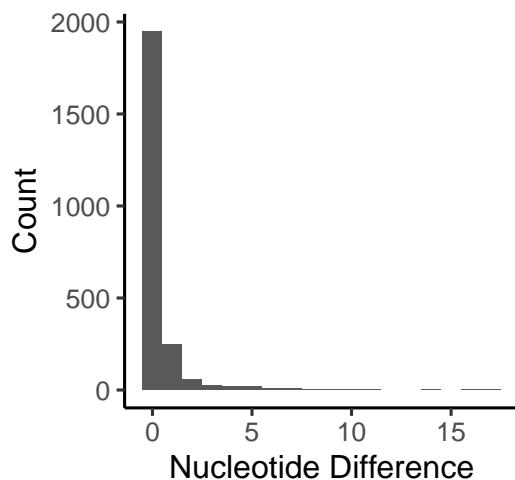
IGHV3-43*01

161 sequences assigned
138 (85.7%) exact matches, in which:
132 unique CDR3
7 unique J



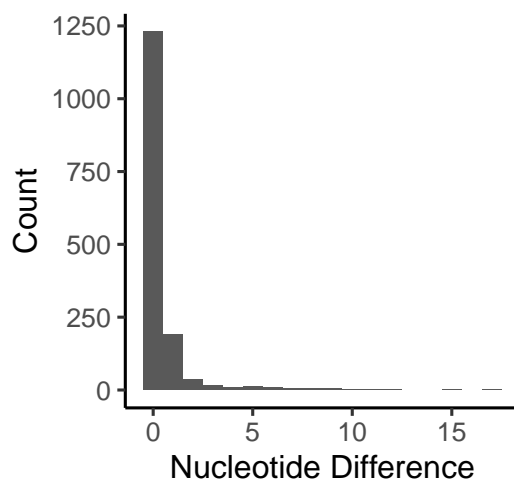
IGHV3-21*01

2346 sequences assigned
1947 (83%) exact matches, in which:
1813 unique CDR3
7 unique J



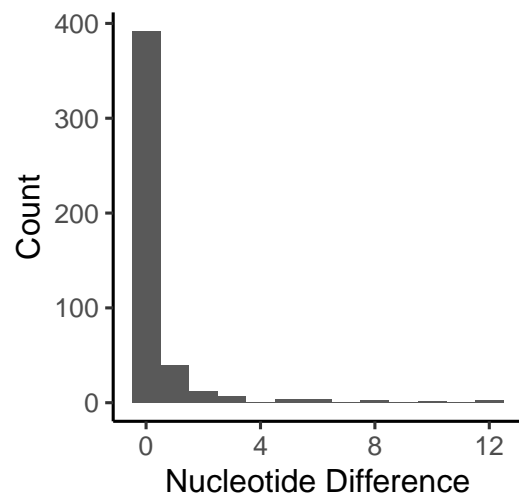
IGHV3-33*01

1523 sequences assigned
1230 (80.8%) exact matches, in which:
1146 unique CDR3
7 unique J



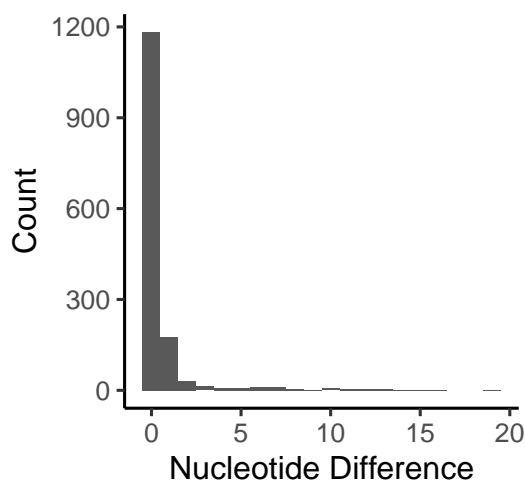
IGHV3-48*01

471 sequences assigned
392 (83.2%) exact matches, in which:
379 unique CDR3
6 unique J



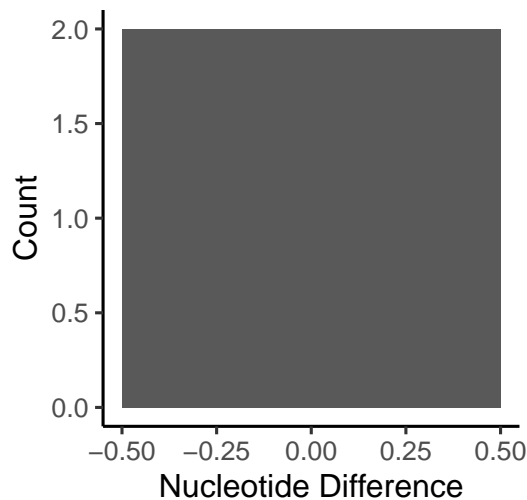
IGHV3-23*04

1472 sequences assigned
1183 (80.4%) exact matches, in which:
1122 unique CDR3
7 unique J



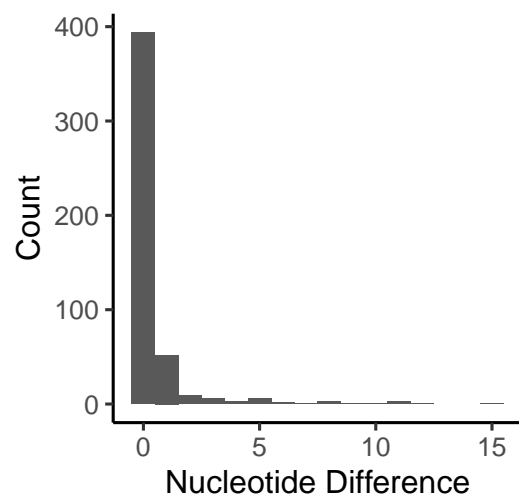
IGHV3-35*01

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



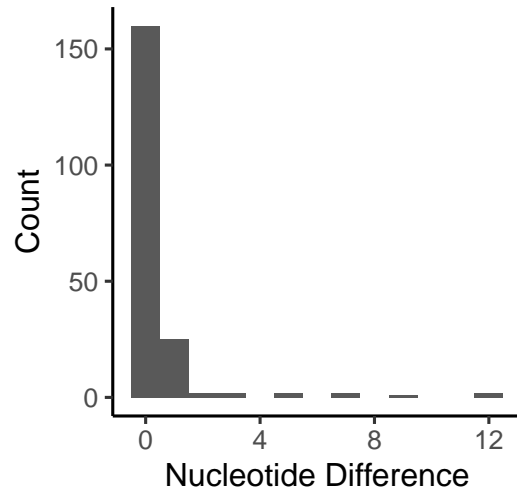
IGHV3-48*02

483 sequences assigned
394 (81.6%) exact matches, in which:
375 unique CDR3
7 unique J



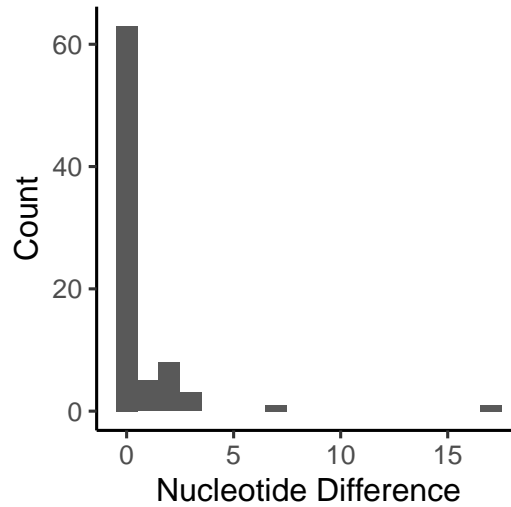
IGHV3-49*03

196 sequences assigned
160 (81.6%) exact matches, in which:
154 unique CDR3
6 unique J



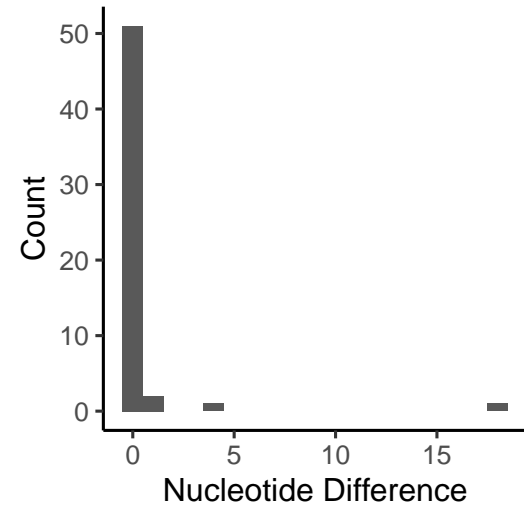
IGHV3-64*01

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



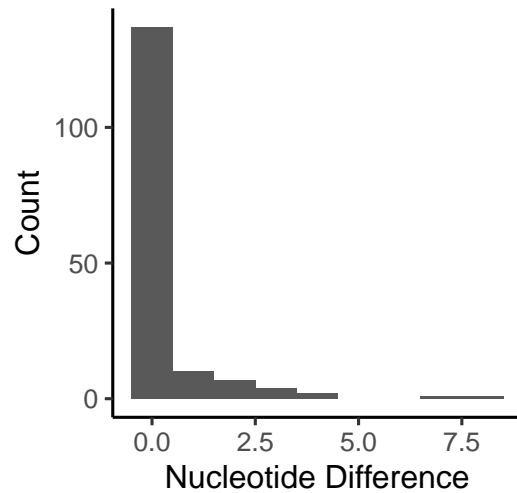
IGHV3-72*01

55 sequences assigned
51 (92.7%) exact matches, in which:
49 unique CDR3
6 unique J



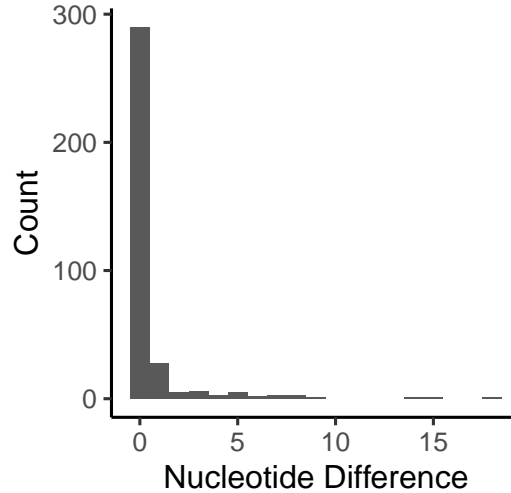
IGHV3-49*05

162 sequences assigned
137 (84.6%) exact matches, in which:
130 unique CDR3
5 unique J



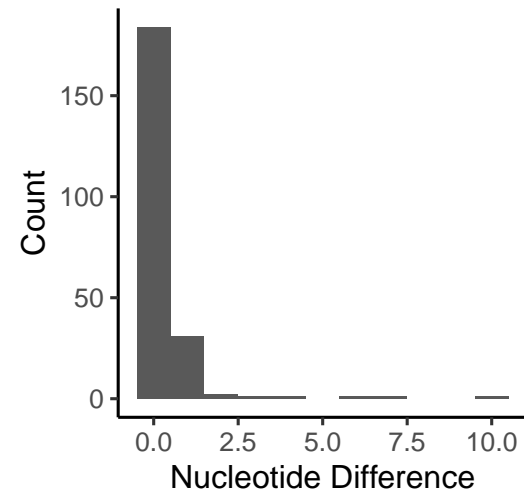
IGHV3-66*02

349 sequences assigned
290 (83.1%) exact matches, in which:
273 unique CDR3
6 unique J



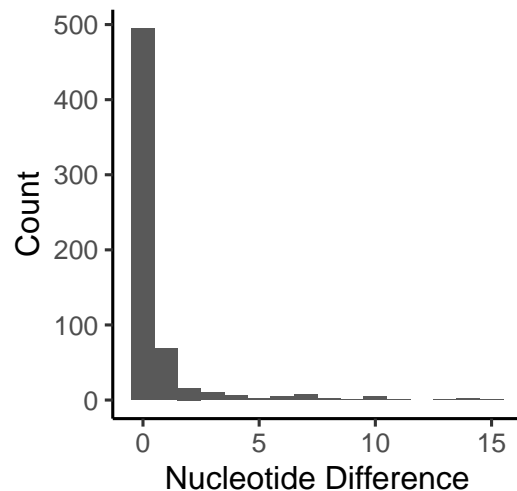
IGHV3-73*02

222 sequences assigned
184 (82.9%) exact matches, in which:
174 unique CDR3
7 unique J



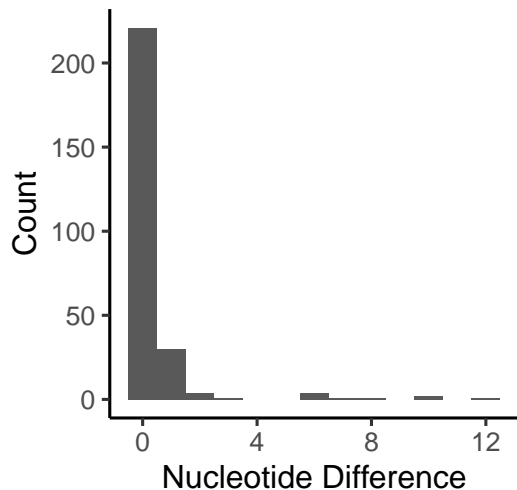
IGHV3-53*01

623 sequences assigned
495 (79.5%) exact matches, in which:
475 unique CDR3
7 unique J



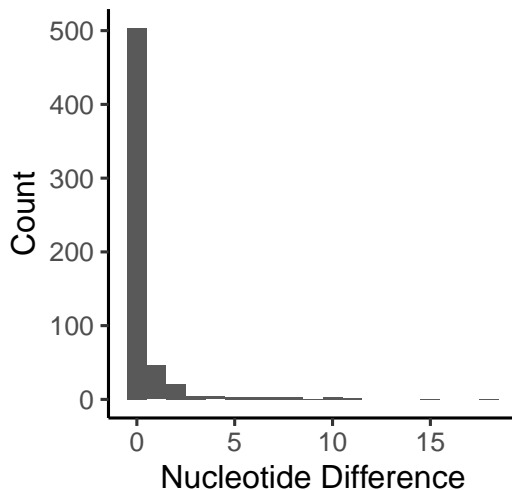
IGHV3-64D*06

265 sequences assigned
221 (83.4%) exact matches, in which:
207 unique CDR3
6 unique J



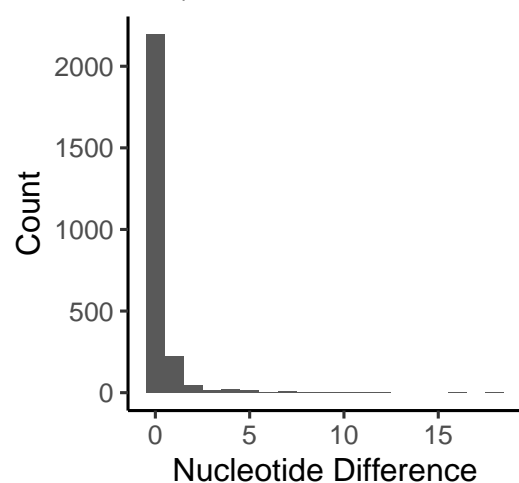
IGHV4-30-4*01

600 sequences assigned
504 (84%) exact matches, in which:
495 unique CDR3
6 unique J



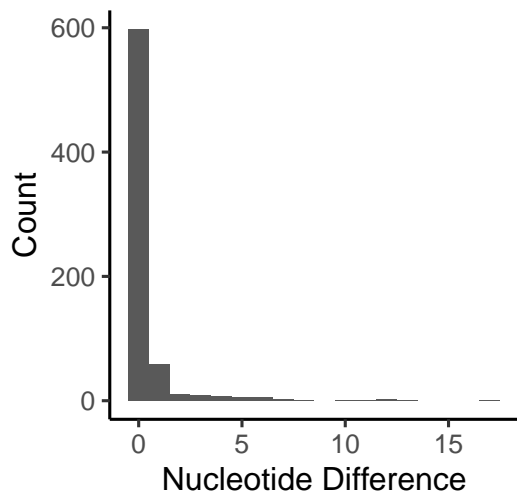
IGHV4-34*01

2547 sequences assigned
2195 (86.2%) exact matches, in which:
2086 unique CDR3
7 unique J



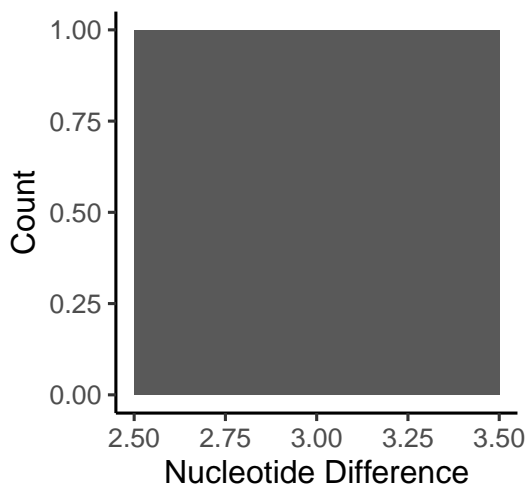
IGHV4-4*02

705 sequences assigned
598 (84.8%) exact matches, in which:
574 unique CDR3
7 unique J



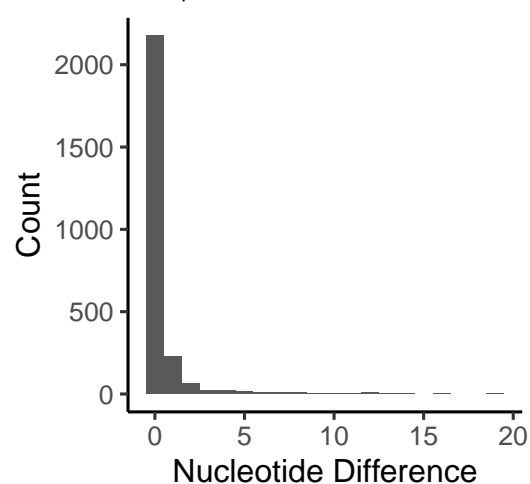
IGHV4-30-2*03

1 sequences assigned
No exact matches.



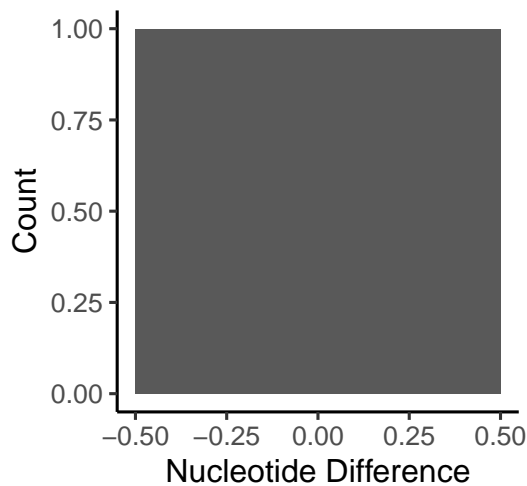
IGHV4-39*01

2593 sequences assigned
2176 (83.9%) exact matches, in which:
2047 unique CDR3
7 unique J



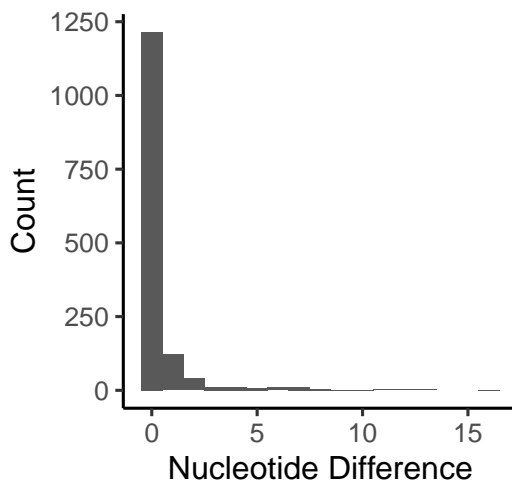
IGHV4-28*01

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



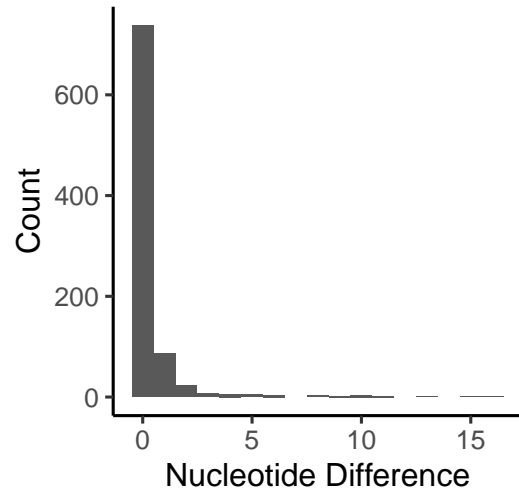
IGHV4-31*03

1445 sequences assigned
1215 (84.1%) exact matches, in which:
1179 unique CDR3
7 unique J



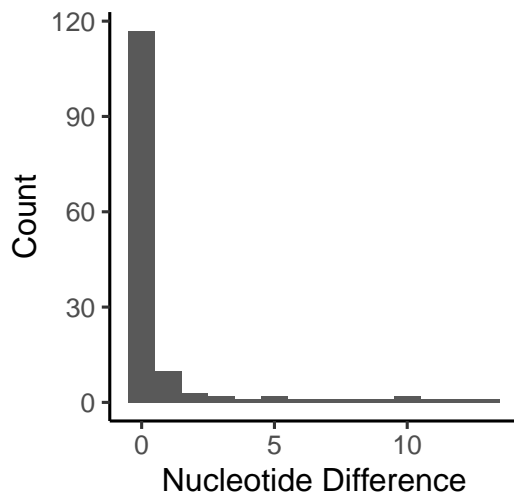
IGHV4-59*01

883 sequences assigned
738 (83.6%) exact matches, in which:
716 unique CDR3
7 unique J



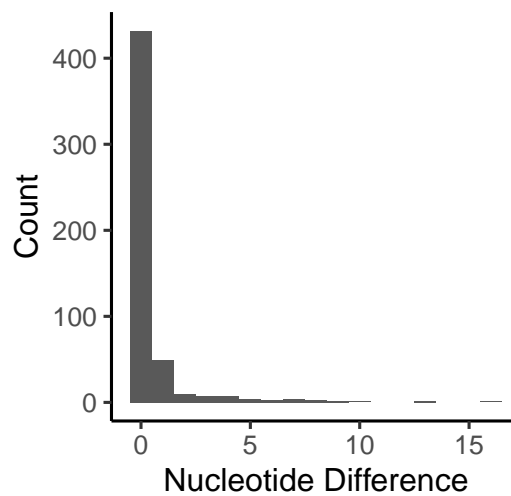
IGHV4–61*01

145 sequences assigned
117 (80.7%) exact matches, in which:
115 unique CDR3
6 unique J



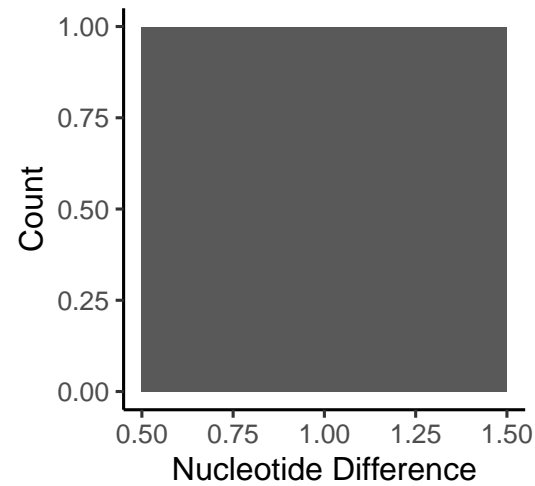
IGHV5–10–1*03

525 sequences assigned
432 (82.3%) exact matches, in which:
415 unique CDR3
7 unique J



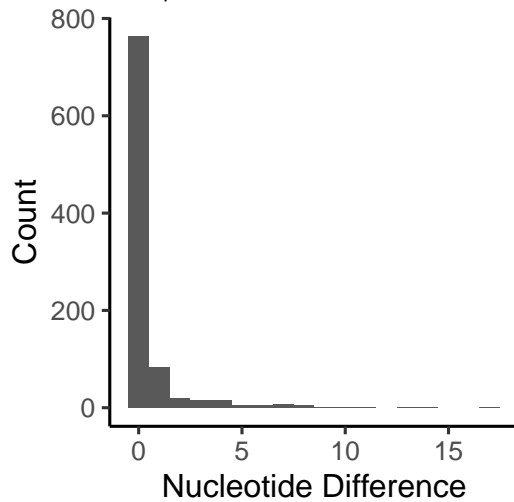
IGHV3/OR16–8*01

1 sequences assigned
No exact matches.



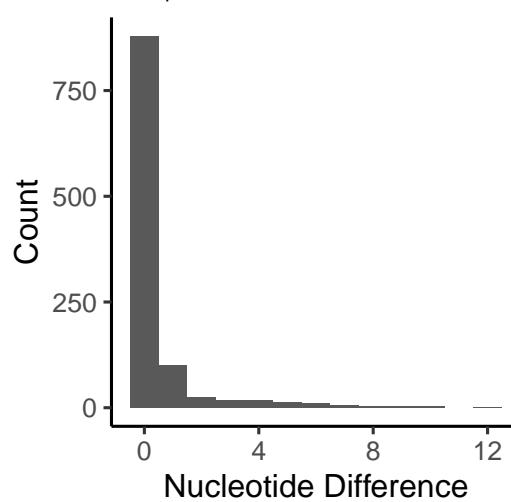
IGHV4–61*02

929 sequences assigned
764 (82.2%) exact matches, in which:
746 unique CDR3
7 unique J



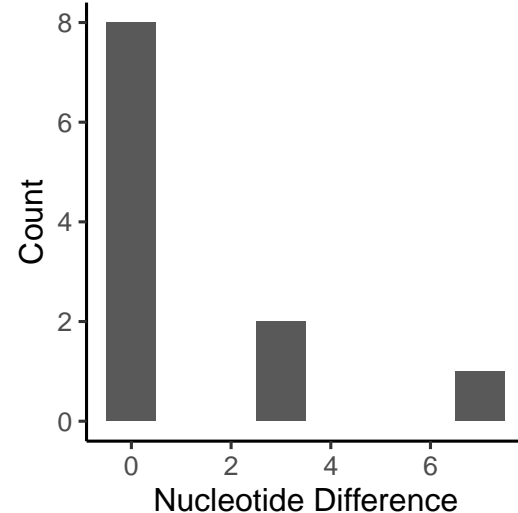
IGHV5–51*01

1082 sequences assigned
879 (81.2%) exact matches, in which:
856 unique CDR3
7 unique J



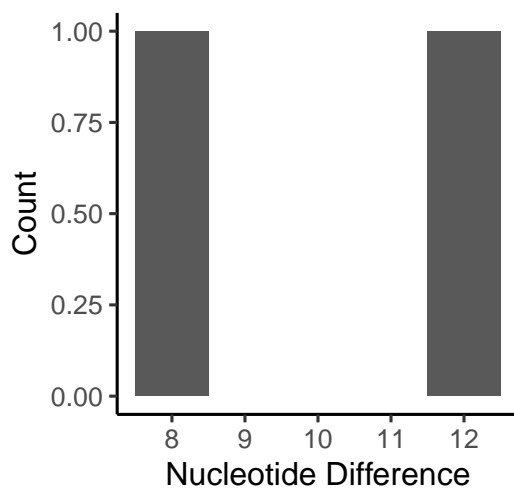
IGHV7–4–1*01

11 sequences assigned
8 (72.7%) exact matches, in which:
7 unique CDR3
5 unique J



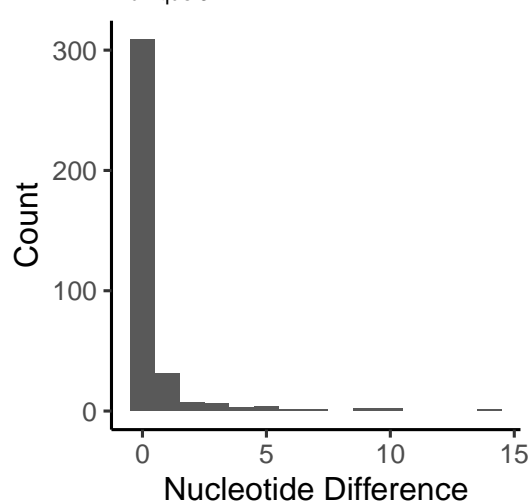
IGHV1/OR15–9*01

2 sequences assigned
No exact matches.

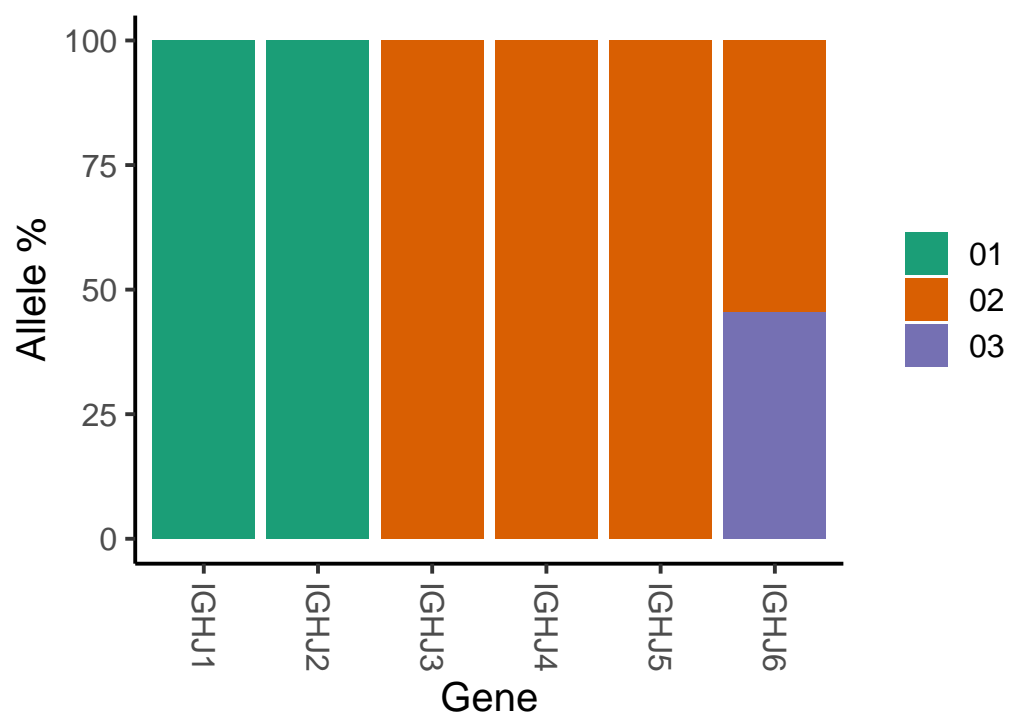


IGHV6–1*01

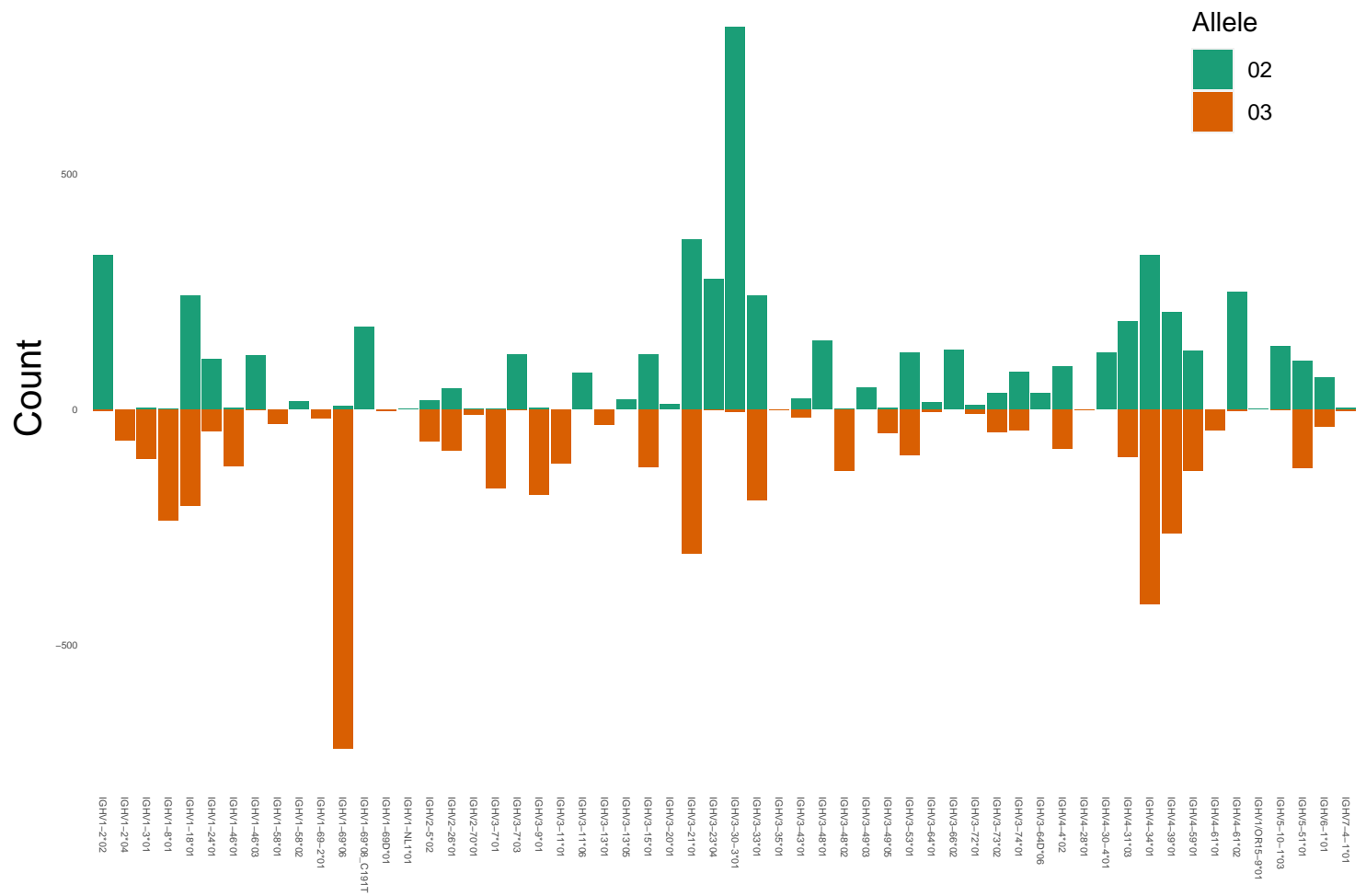
367 sequences assigned
309 (84.2%) exact matches, in which:
297 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.