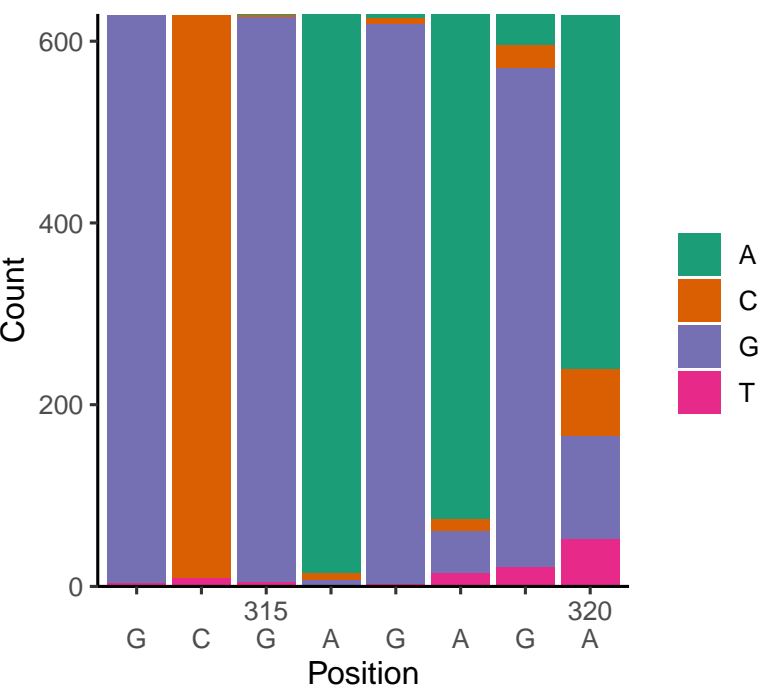
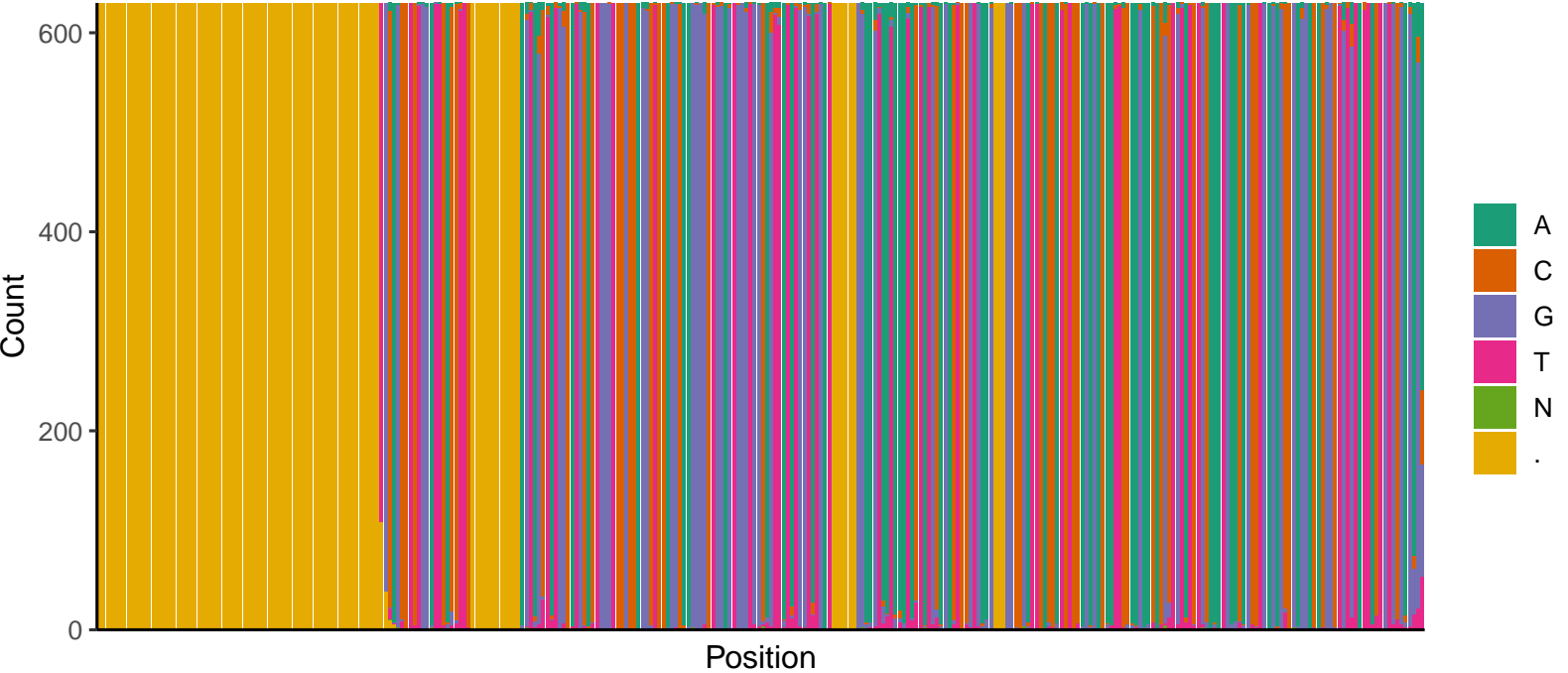


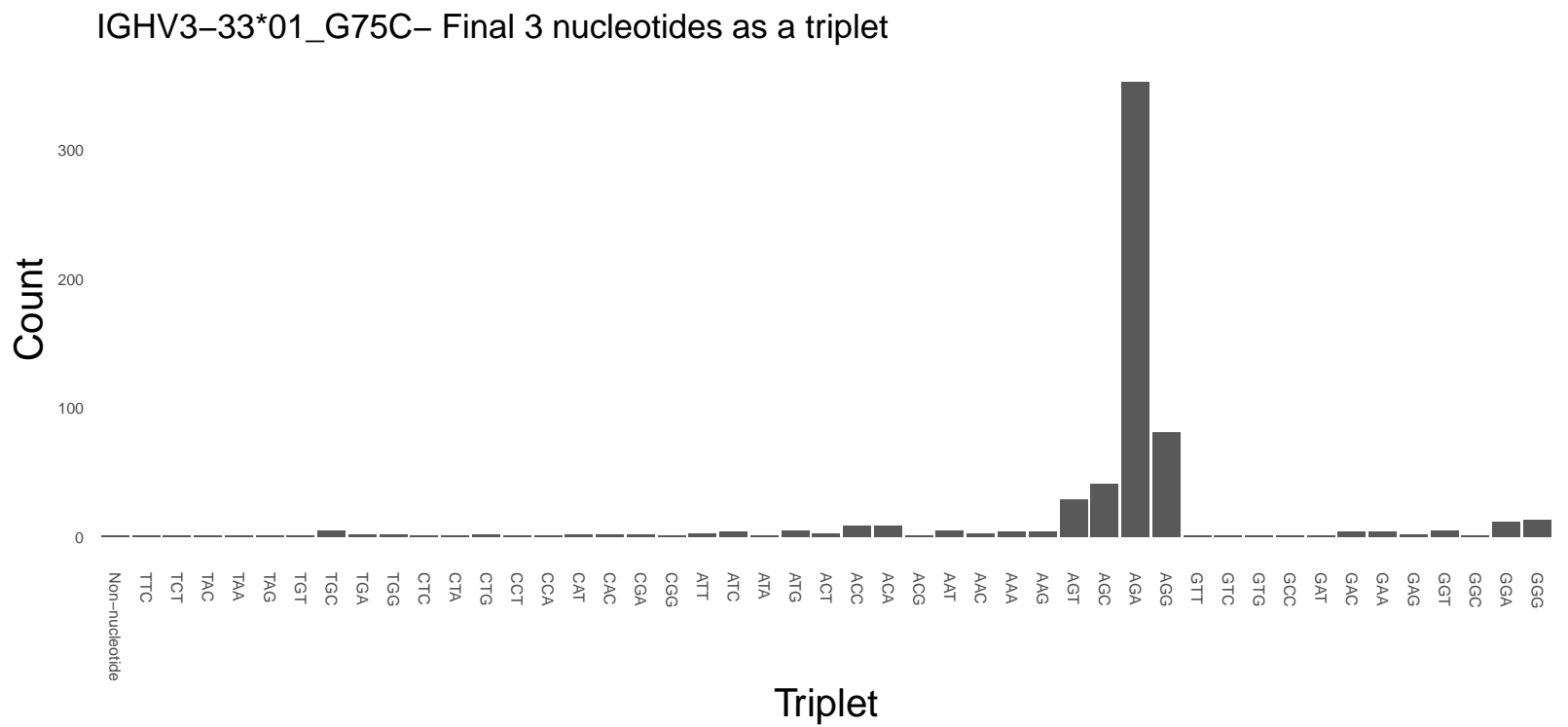
Gene IGHV3-33*01_G75C



Gene IGHV3-33*01_G75C

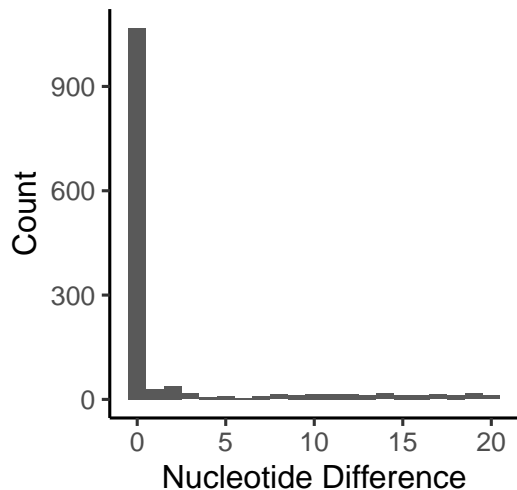


IGHV3-33*01_G75C- Final 3 nucleotides as a triplet



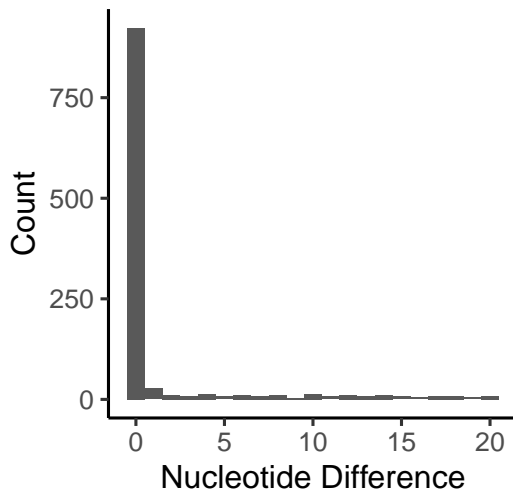
IGHV1-2*02

1441 sequences assigned
1069 (74.2%) exact matches, in which:
1065 unique CDR3
6 unique J



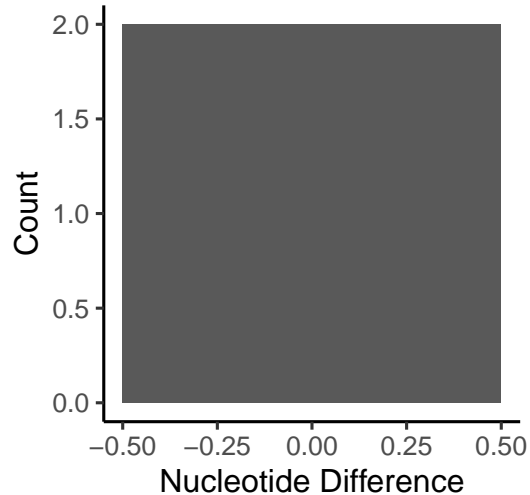
IGHV1-18*01

1170 sequences assigned
924 (79%) exact matches, in which:
920 unique CDR3
7 unique J



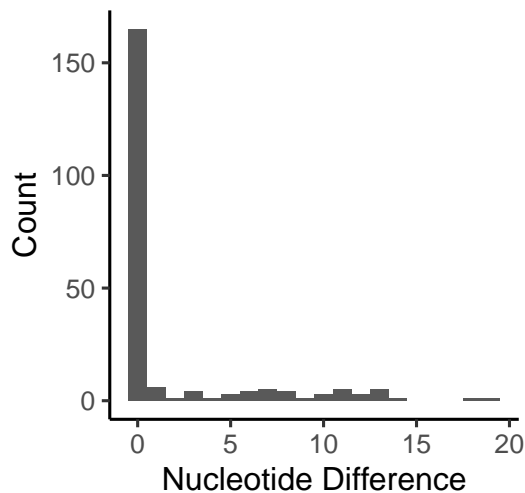
IGHV1-45*02

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



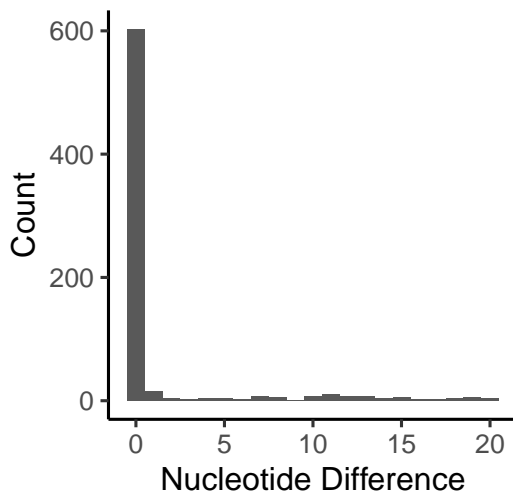
IGHV1-3*01_05

233 sequences assigned
165 (70.8%) exact matches, in which:
165 unique CDR3
6 unique J



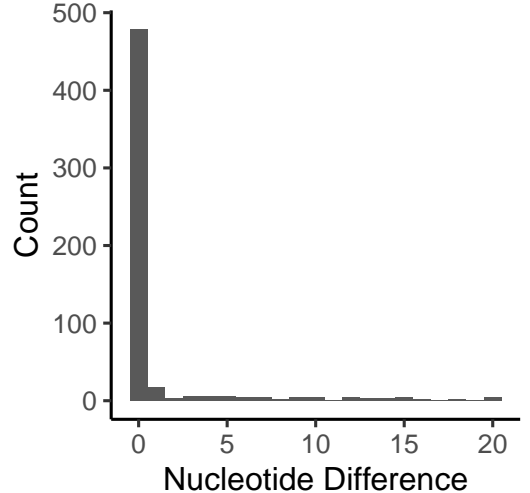
IGHV1-18*04

735 sequences assigned
603 (82%) exact matches, in which:
602 unique CDR3
6 unique J



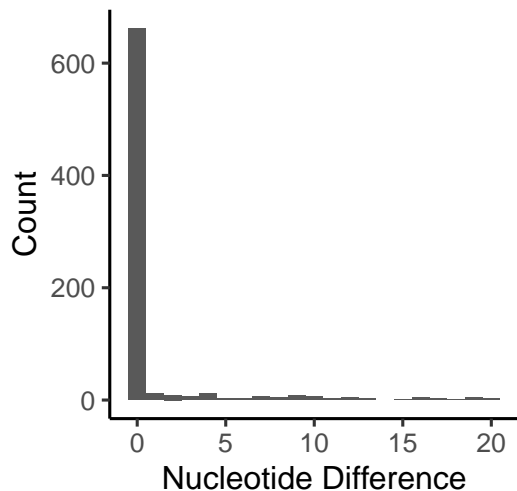
IGHV1-46*01

590 sequences assigned
479 (81.2%) exact matches, in which:
479 unique CDR3
7 unique J



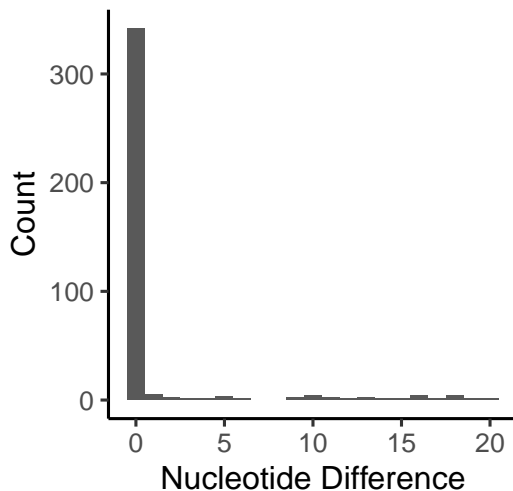
IGHV1-8*01

775 sequences assigned
662 (85.4%) exact matches, in which:
657 unique CDR3
7 unique J



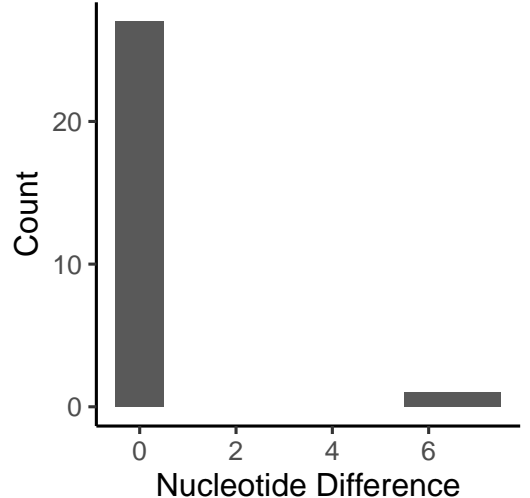
IGHV1-24*01

396 sequences assigned
342 (86.4%) exact matches, in which:
342 unique CDR3
7 unique J



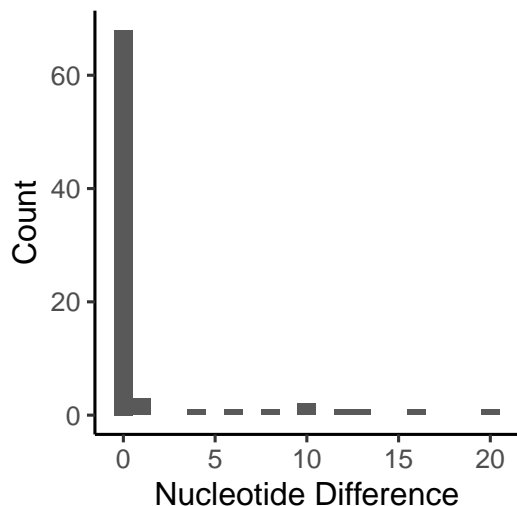
IGHV1-58*02

32 sequences assigned
27 (84.4%) exact matches, in which:
27 unique CDR3
5 unique J



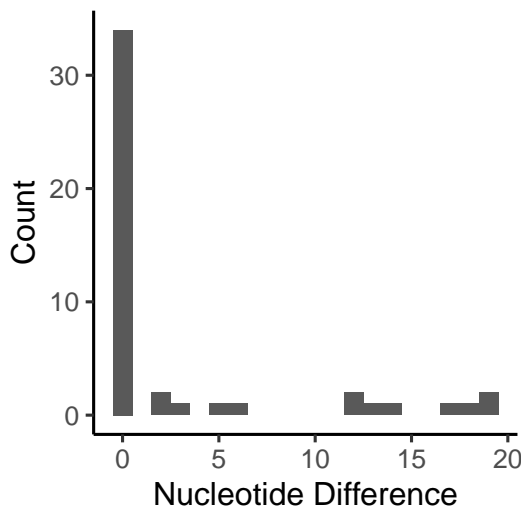
IGHV1-58*01_03

84 sequences assigned
68 (81%) exact matches, in which:
68 unique CDR3
5 unique J



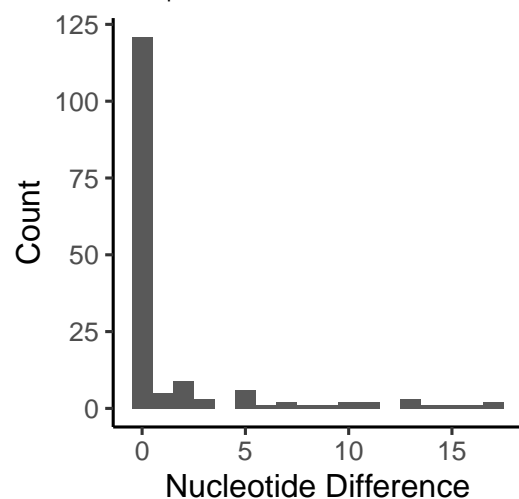
IGHV2-26*01

51 sequences assigned
34 (66.7%) exact matches, in which:
34 unique CDR3
5 unique J



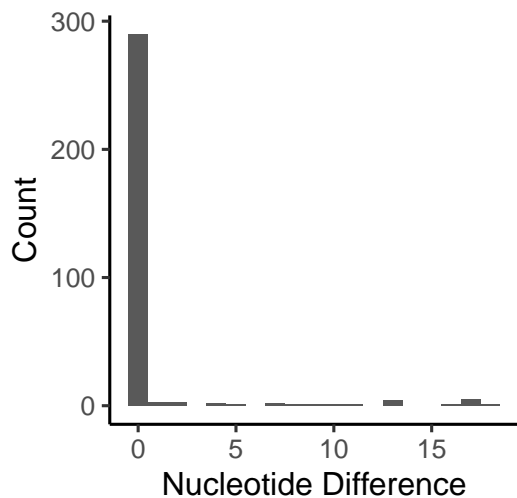
IGHV2-70*11_15

162 sequences assigned
121 (74.7%) exact matches, in which:
118 unique CDR3
4 unique J



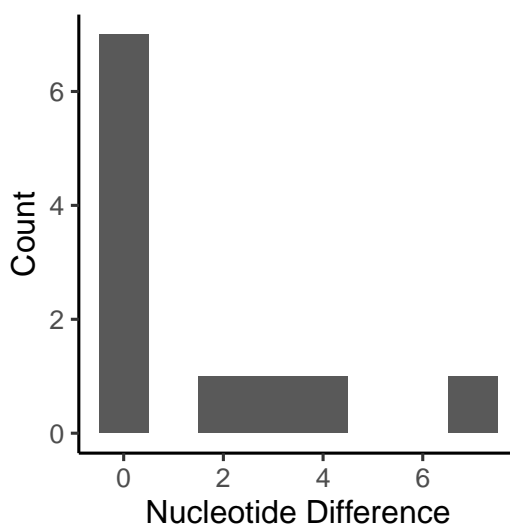
IGHV1-69*04_09

324 sequences assigned
290 (89.5%) exact matches, in which:
290 unique CDR3
6 unique J



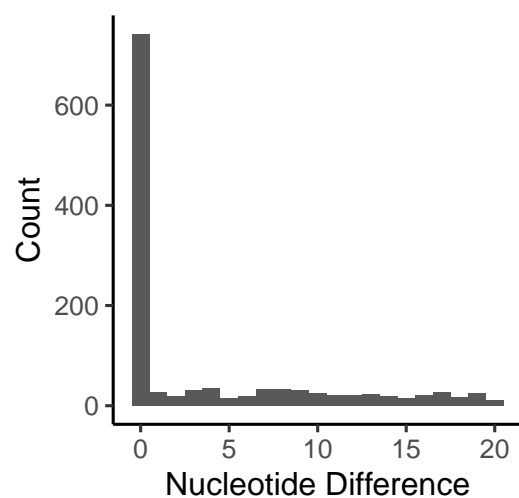
IGHV2-26*02

11 sequences assigned
7 (63.6%) exact matches, in which:
7 unique CDR3
5 unique J



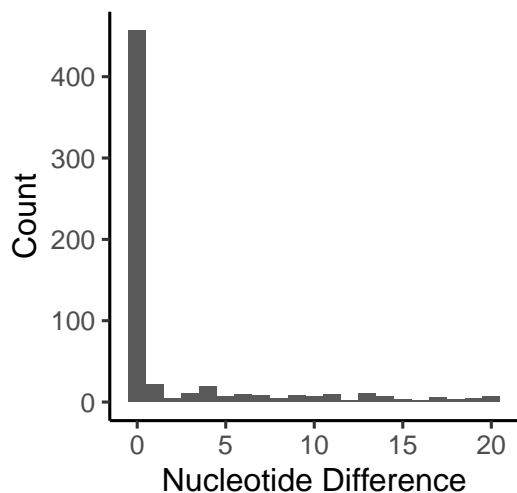
IGHV3-7*01

1266 sequences assigned
742 (58.6%) exact matches, in which:
731 unique CDR3
7 unique J



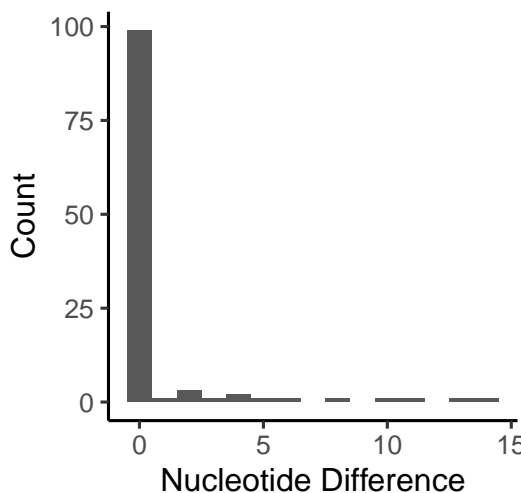
IGHV2-5*01

619 sequences assigned
457 (73.8%) exact matches, in which:
456 unique CDR3
7 unique J



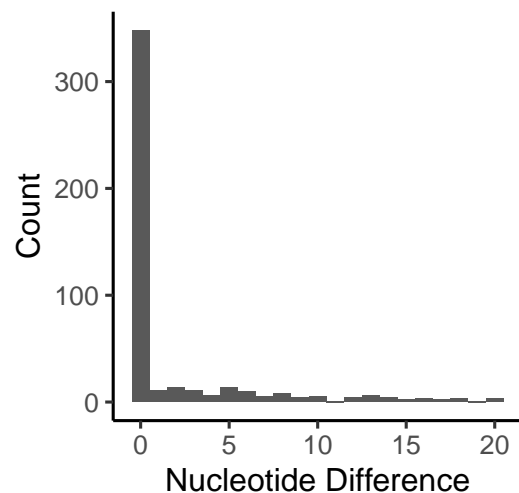
IGHV2-70*01

116 sequences assigned
99 (85.3%) exact matches, in which:
96 unique CDR3
6 unique J



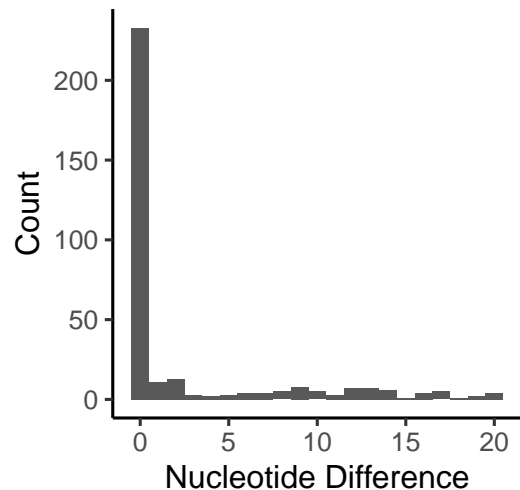
IGHV3-9*01

476 sequences assigned
348 (73.1%) exact matches, in which:
342 unique CDR3
6 unique J



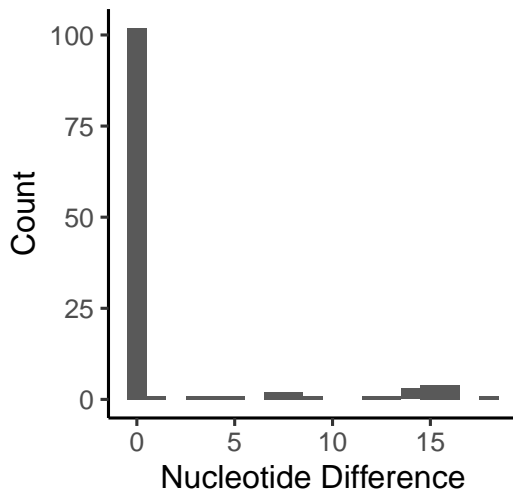
IGHV3-11*01

347 sequences assigned
233 (67.1%) exact matches, in which:
231 unique CDR3
6 unique J



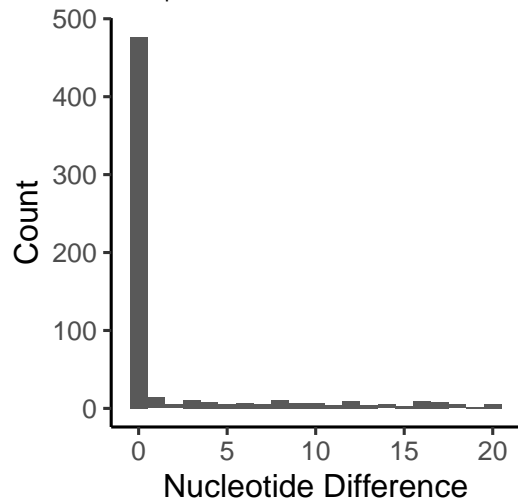
IGHV3-13*04

130 sequences assigned
102 (78.5%) exact matches, in which:
102 unique CDR3
5 unique J



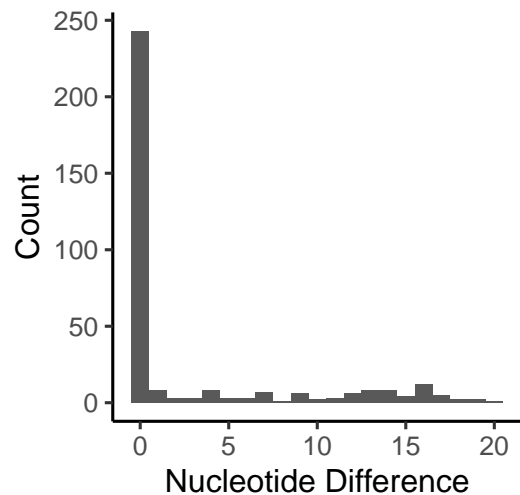
IGHV3-30-3*01

662 sequences assigned
477 (72.1%) exact matches, in which:
473 unique CDR3
6 unique J



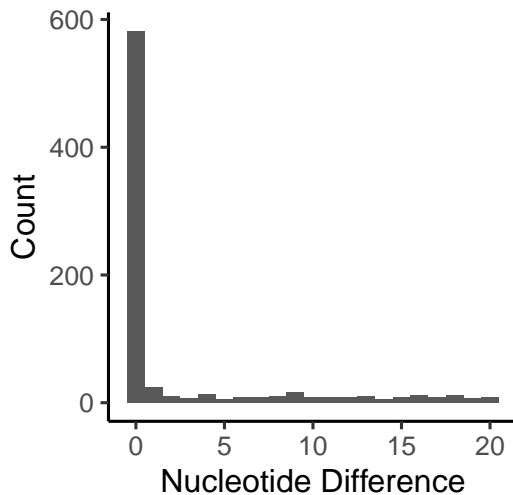
IGHV3-11*03_05

357 sequences assigned
243 (68.1%) exact matches, in which:
237 unique CDR3
7 unique J



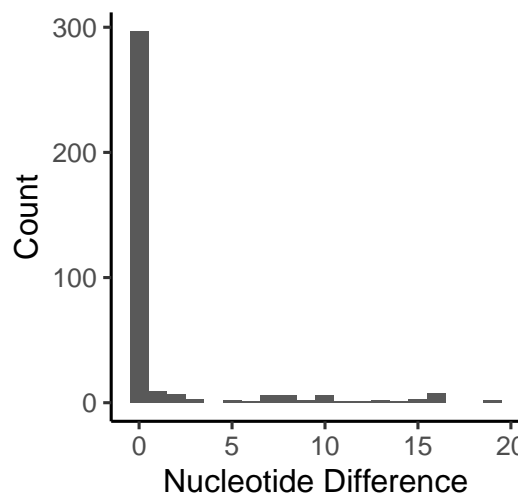
IGHV3-15*01_02

818 sequences assigned
582 (71.1%) exact matches, in which:
579 unique CDR3
7 unique J



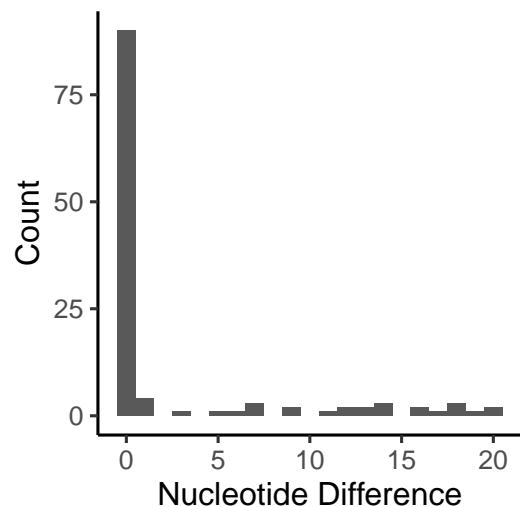
IGHV3-33*01

366 sequences assigned
297 (81.1%) exact matches, in which:
297 unique CDR3
7 unique J



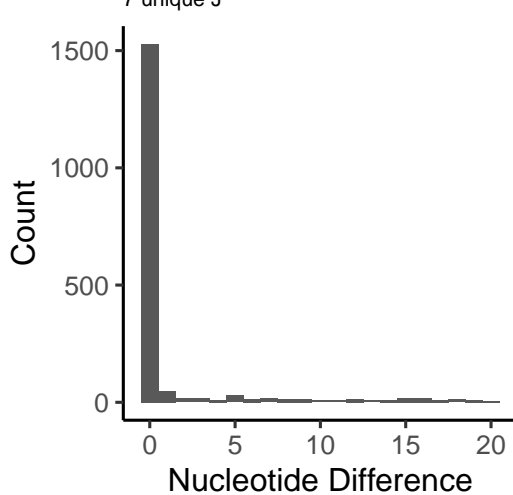
IGHV3-13*01

123 sequences assigned
90 (73.2%) exact matches, in which:
89 unique CDR3
5 unique J



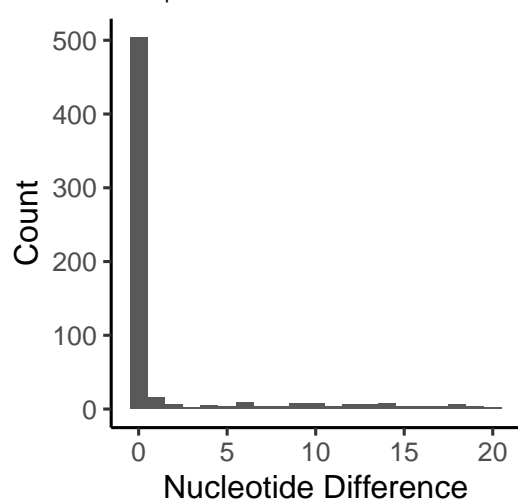
IGHV3-21*01_02

1859 sequences assigned
1528 (82.2%) exact matches, in which:
1484 unique CDR3
7 unique J



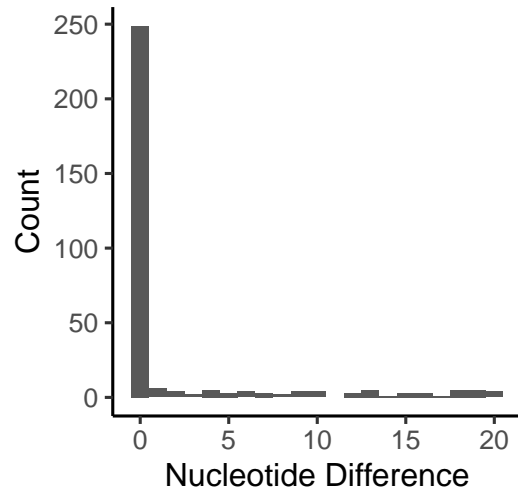
IGHV3-33*01_G75C

630 sequences assigned
504 (80%) exact matches, in which:
496 unique CDR3
6 unique J



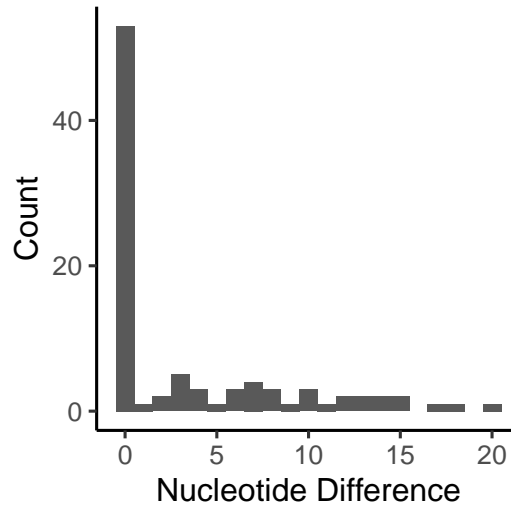
IGHV3-43*02

336 sequences assigned
249 (74.1%) exact matches, in which:
238 unique CDR3
6 unique J



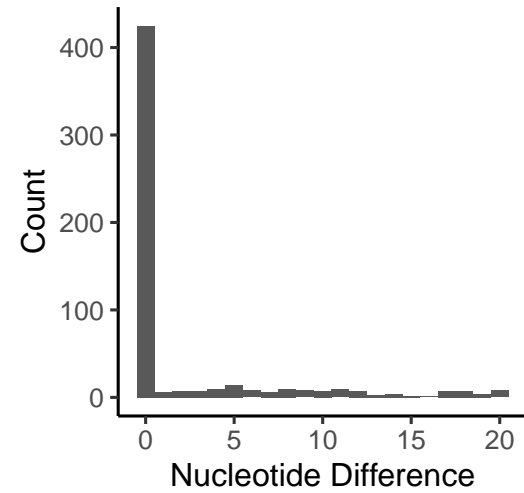
IGHV3-49*04

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



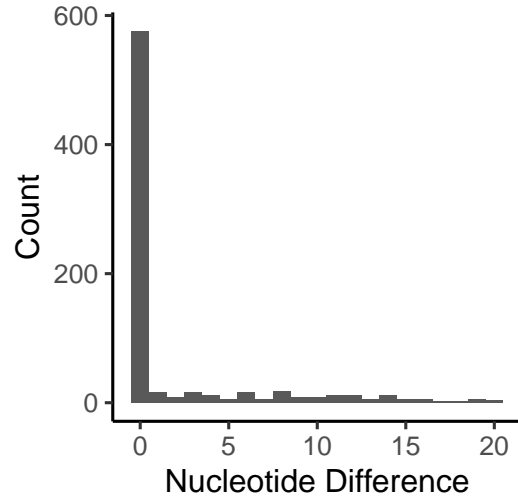
IGHV3-53*01_02

583 sequences assigned
425 (72.9%) exact matches, in which:
418 unique CDR3
6 unique J



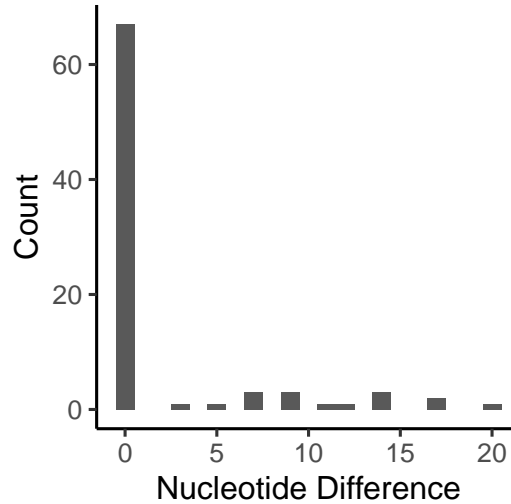
IGHV3-48*02

790 sequences assigned
576 (72.9%) exact matches, in which:
567 unique CDR3
6 unique J



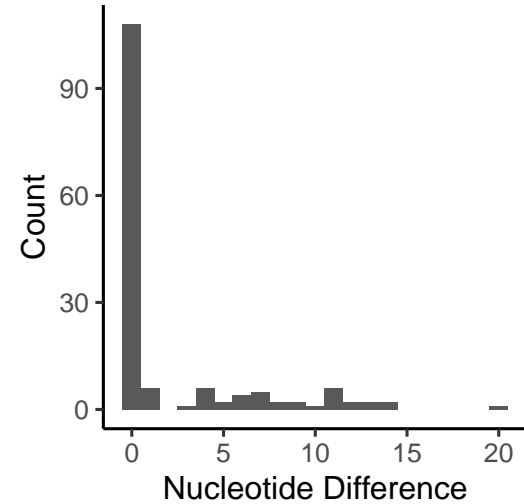
IGHV3-49*03_05

89 sequences assigned
67 (75.3%) exact matches, in which:
66 unique CDR3
5 unique J



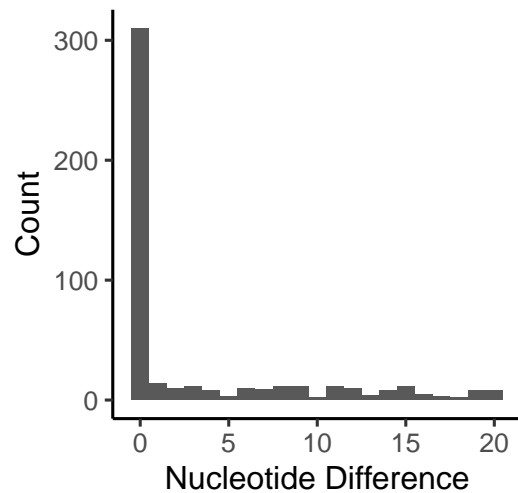
IGHV3-64*01

154 sequences assigned
108 (70.1%) exact matches, in which:
105 unique CDR3
6 unique J



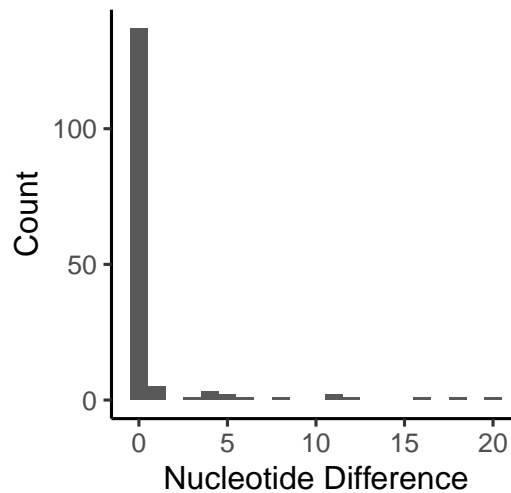
IGHV3-48*03

502 sequences assigned
310 (61.8%) exact matches, in which:
301 unique CDR3
6 unique J



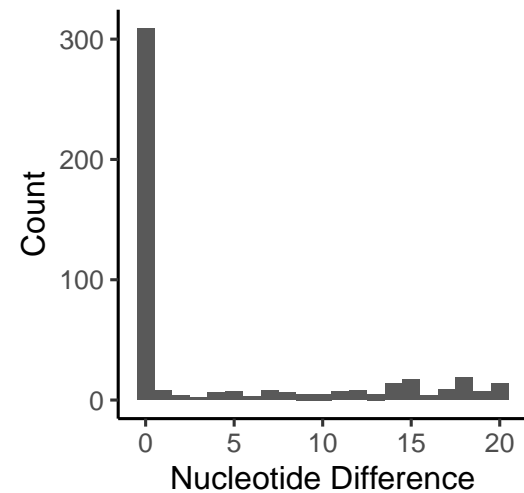
IGHV3-53*04

161 sequences assigned
137 (85.1%) exact matches, in which:
132 unique CDR3
6 unique J



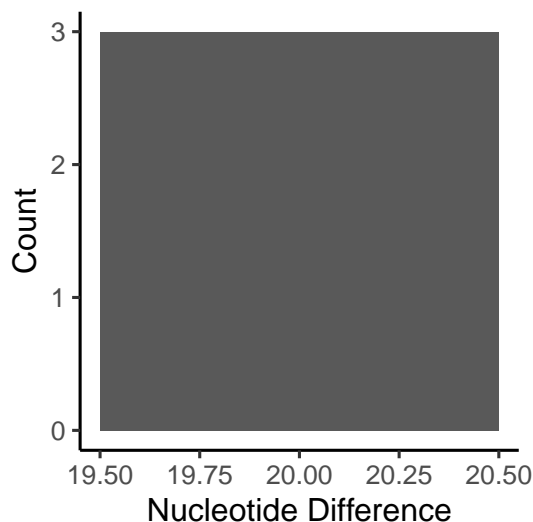
IGHV3-66*01

499 sequences assigned
309 (61.9%) exact matches, in which:
301 unique CDR3
6 unique J



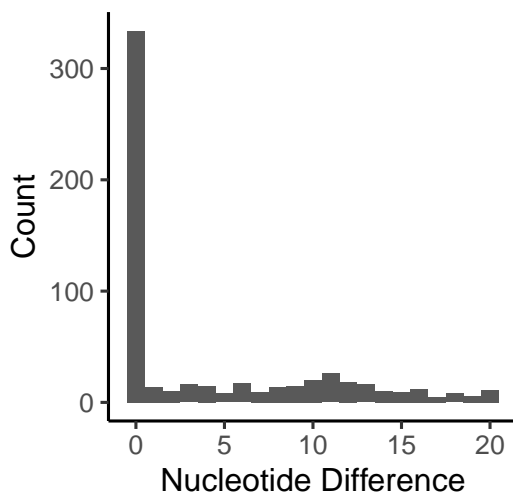
IGHV3-69-1*01

10 sequences assigned
No exact matches.



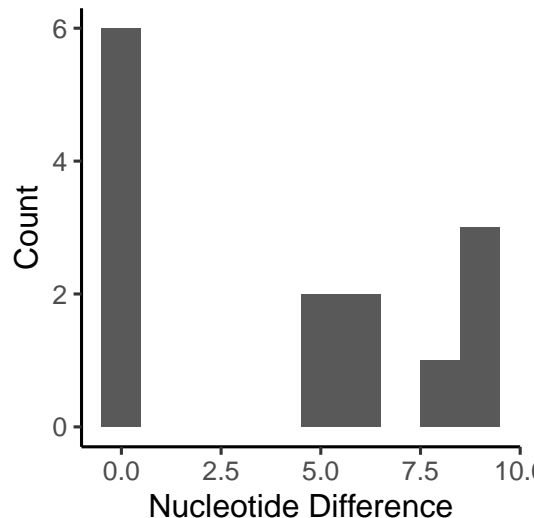
IGHV3-74*01_02

646 sequences assigned
334 (51.7%) exact matches, in which:
327 unique CDR3
7 unique J



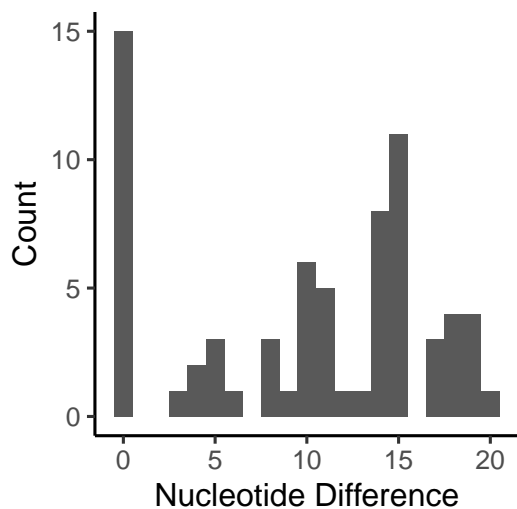
IGHV4-28*01_07

14 sequences assigned
6 (42.9%) exact matches, in which:
6 unique CDR3
4 unique J



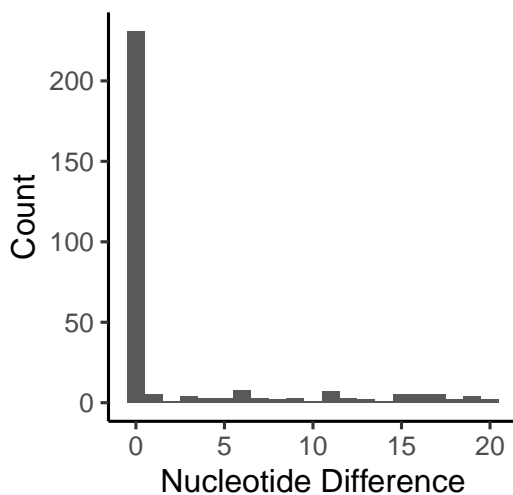
IGHV3-72*01

76 sequences assigned
15 (19.7%) exact matches, in which:
14 unique CDR3
5 unique J



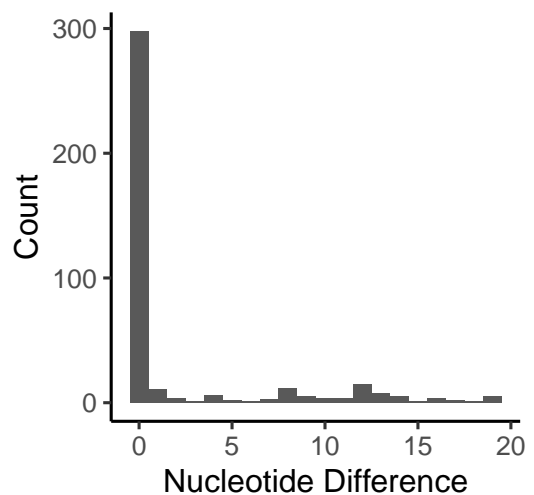
IGHV3-64D*09

320 sequences assigned
231 (72.2%) exact matches, in which:
229 unique CDR3
6 unique J



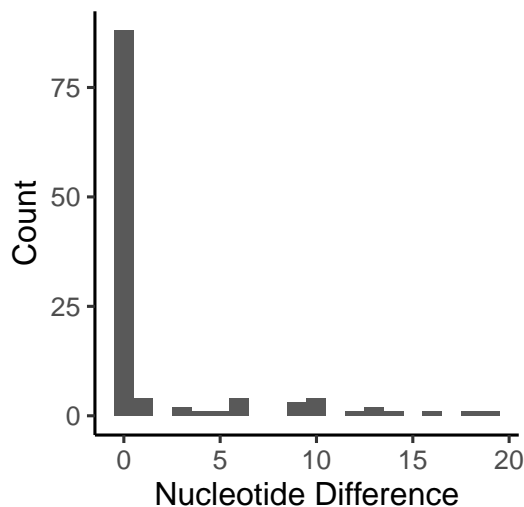
IGHV4-30-4*01

416 sequences assigned
298 (71.6%) exact matches, in which:
294 unique CDR3
6 unique J



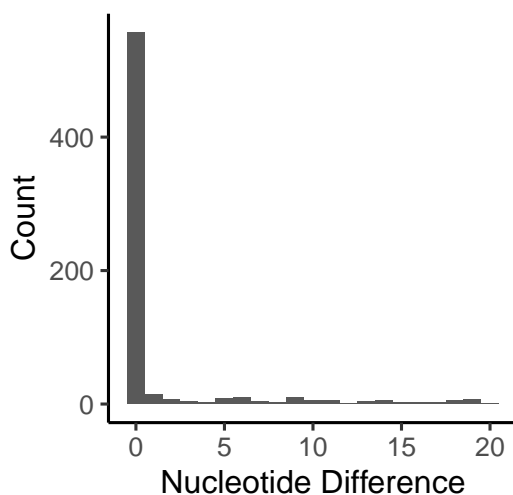
IGHV3-73*01_02

120 sequences assigned
88 (73.3%) exact matches, in which:
88 unique CDR3
6 unique J



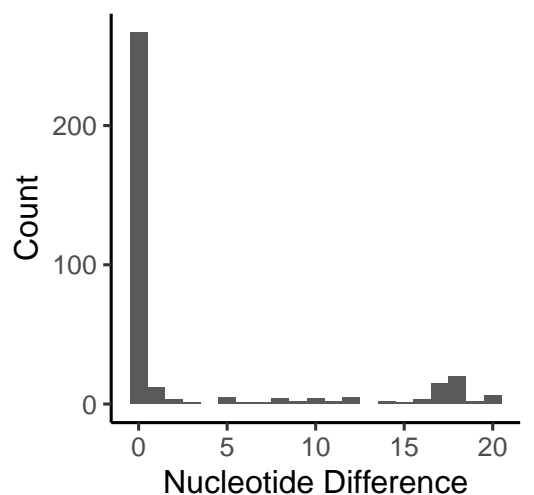
IGHV4-4*07

696 sequences assigned
557 (80%) exact matches, in which:
535 unique CDR3
6 unique J



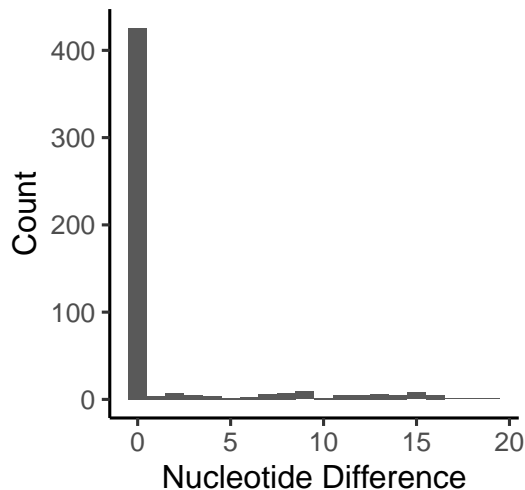
IGHV4-30-2*01

369 sequences assigned
267 (72.4%) exact matches, in which:
265 unique CDR3
6 unique J



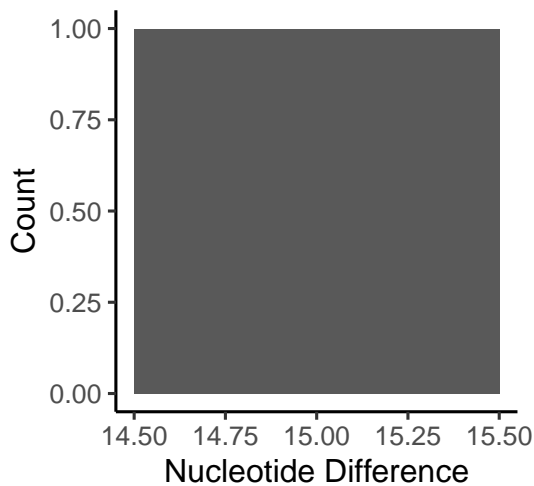
IGHV4-31*03_04

543 sequences assigned
426 (78.5%) exact matches, in which:
421 unique CDR3
7 unique J



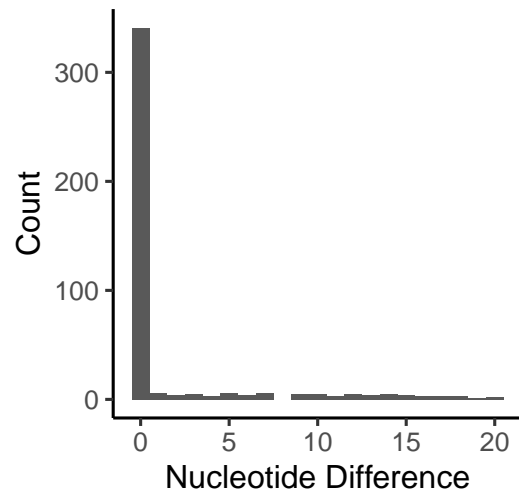
IGHV4-55*02_04_08

2 sequences assigned
No exact matches.



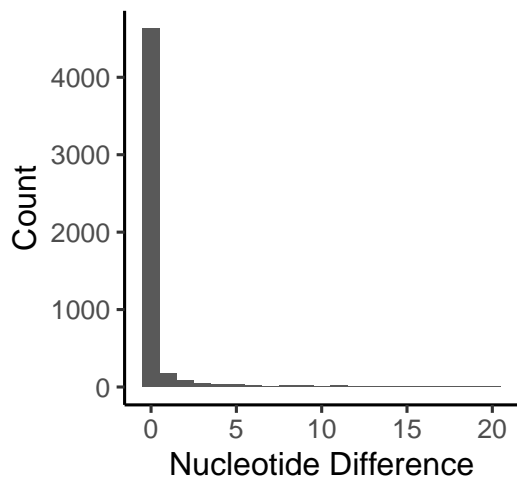
IGHV4-61*01

441 sequences assigned
341 (77.3%) exact matches, in which:
337 unique CDR3
6 unique J



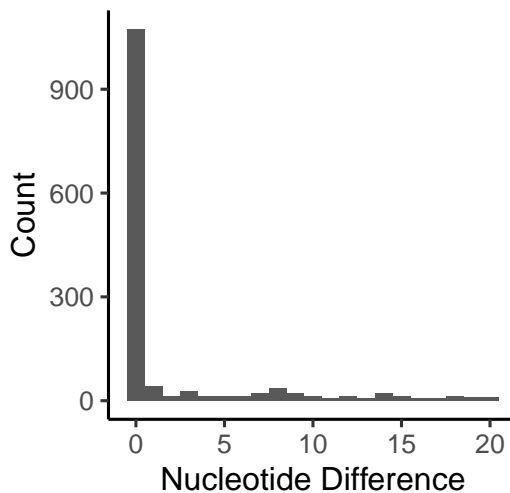
IGHV4-34*01_02

5207 sequences assigned
4627 (88.9%) exact matches, in which:
4509 unique CDR3
7 unique J



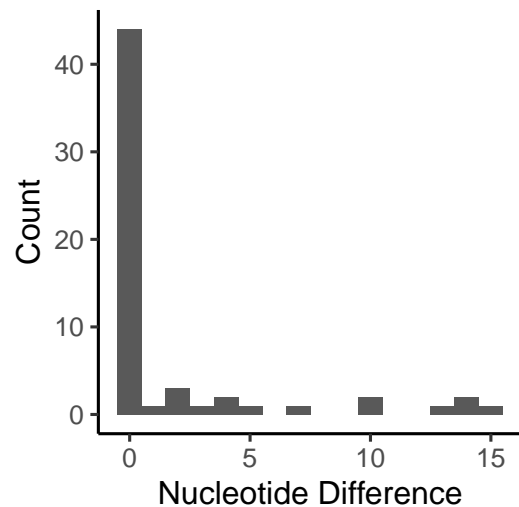
IGHV4-59*08

1438 sequences assigned
1074 (74.7%) exact matches, in which:
1053 unique CDR3
6 unique J



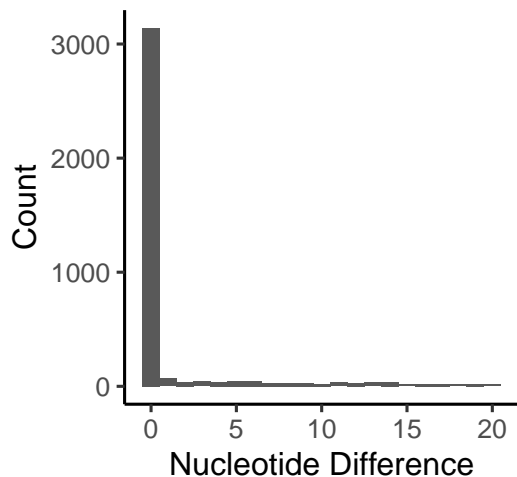
IGHV5-10-1*01_03

66 sequences assigned
44 (66.7%) exact matches, in which:
44 unique CDR3
5 unique J



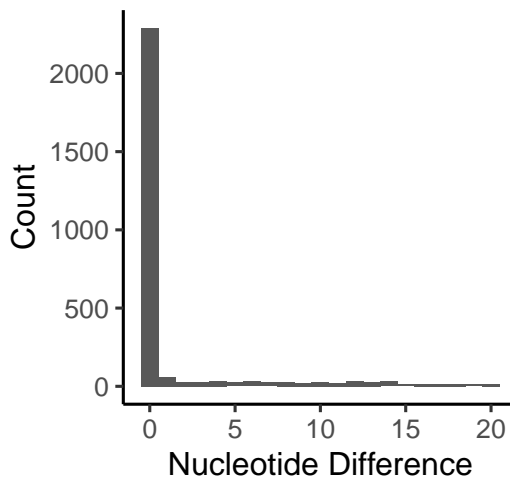
IGHV4-39*01_05

3886 sequences assigned
3140 (80.8%) exact matches, in which:
3067 unique CDR3
7 unique J



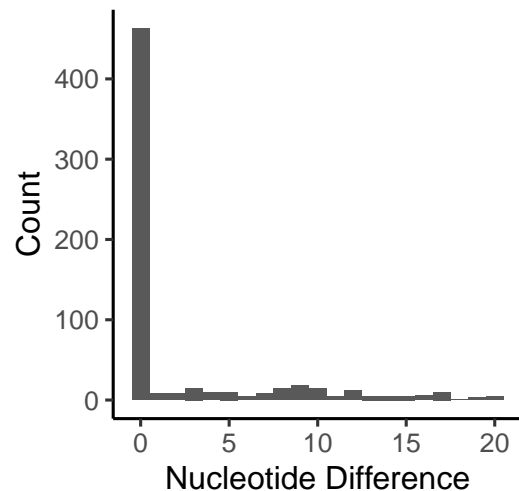
IGHV4-59*01_07

2874 sequences assigned
2290 (79.7%) exact matches, in which:
2235 unique CDR3
7 unique J



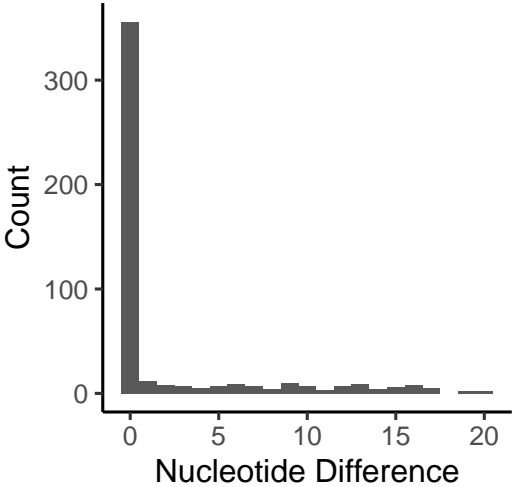
IGHV5-51*01_03

643 sequences assigned
463 (72%) exact matches, in which:
462 unique CDR3
7 unique J

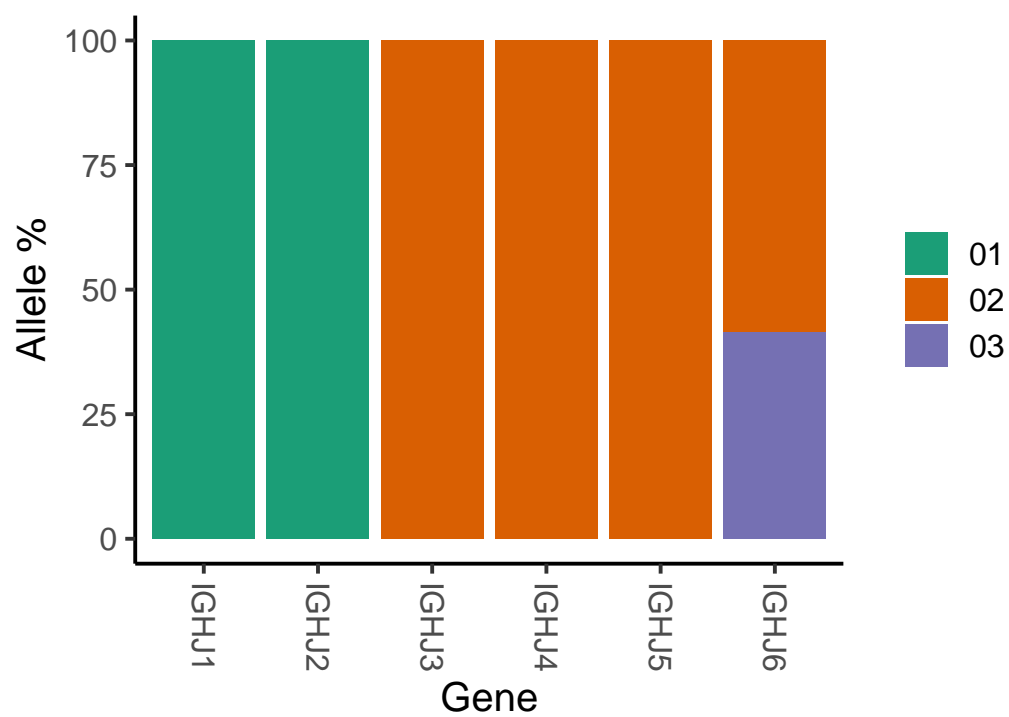


IGHV6-1*01_02

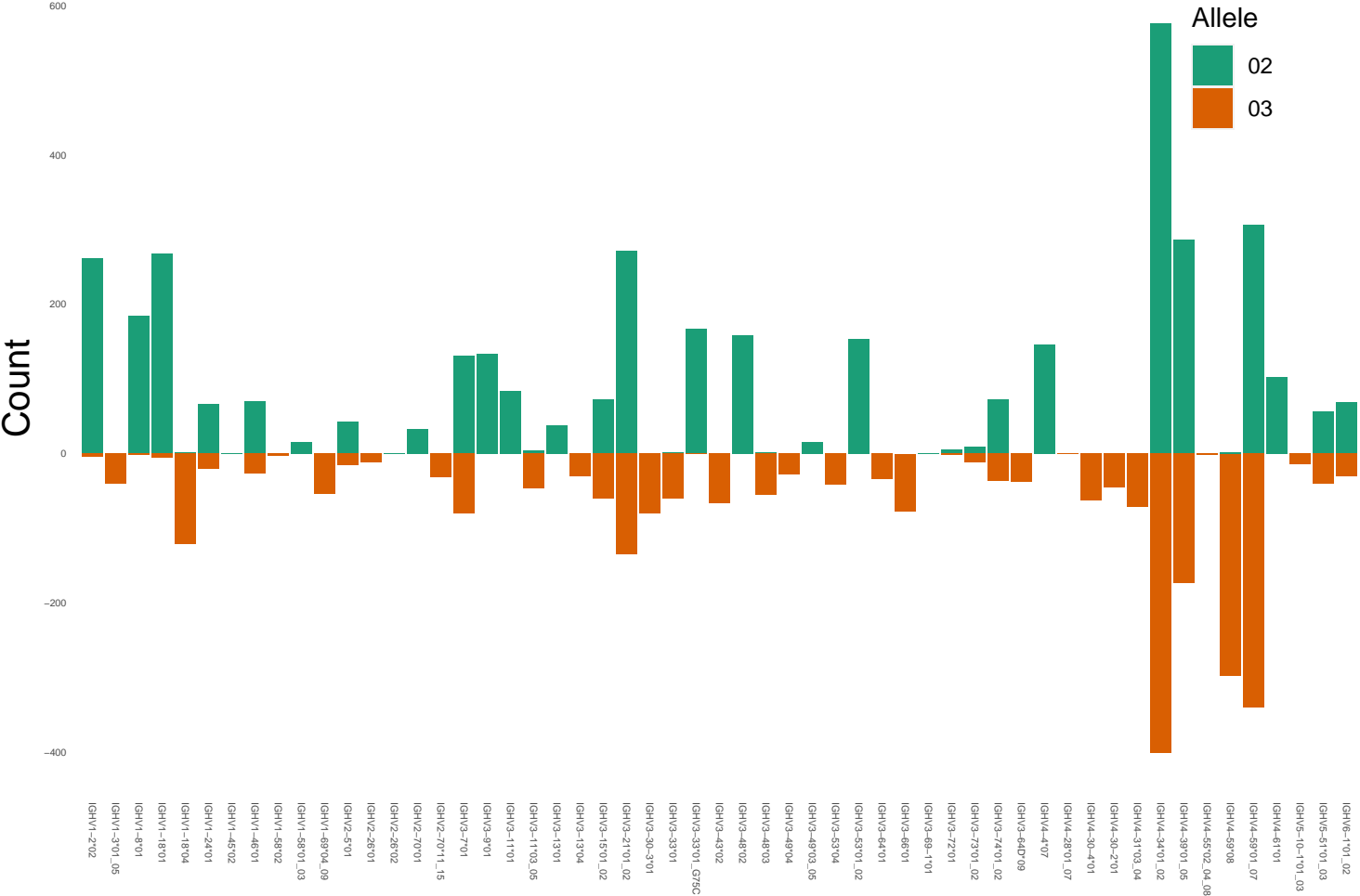
491 sequences assigned
356 (72.5%) exact matches, in which:
355 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.