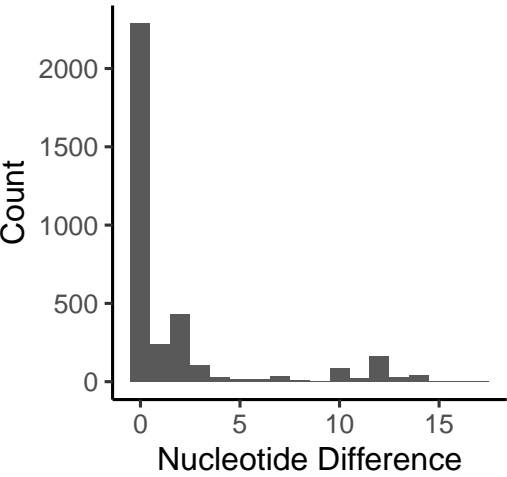


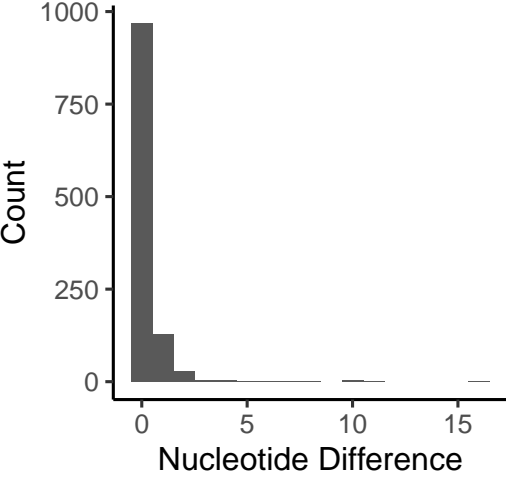
IGHV1-2*02

3520 sequences assigned
2288 (65%) exact matches, in which:
2140 unique CDR3
7 unique J



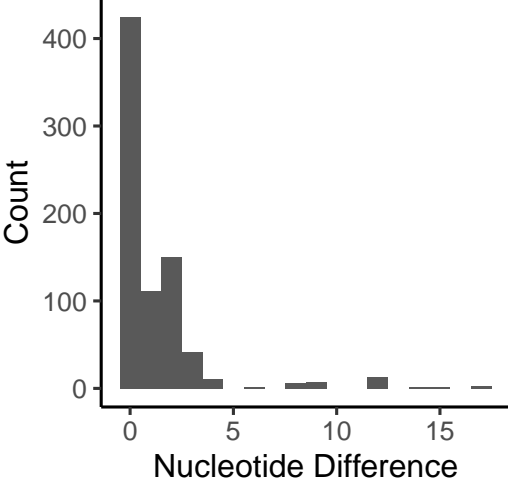
IGHV1-18*01

1143 sequences assigned
968 (84.7%) exact matches, in which:
923 unique CDR3
7 unique J



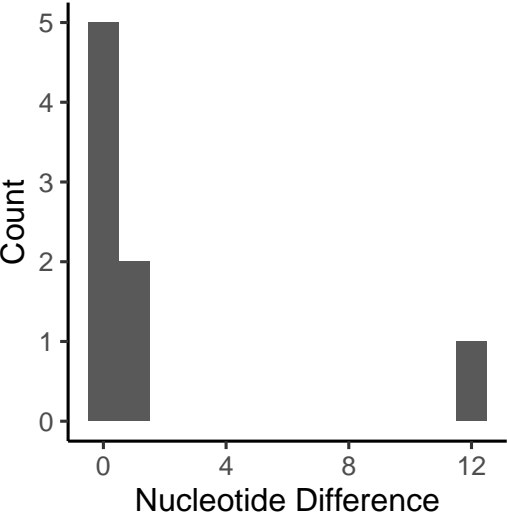
IGHV1-24*01

800 sequences assigned
425 (53.1%) exact matches, in which:
393 unique CDR3
7 unique J



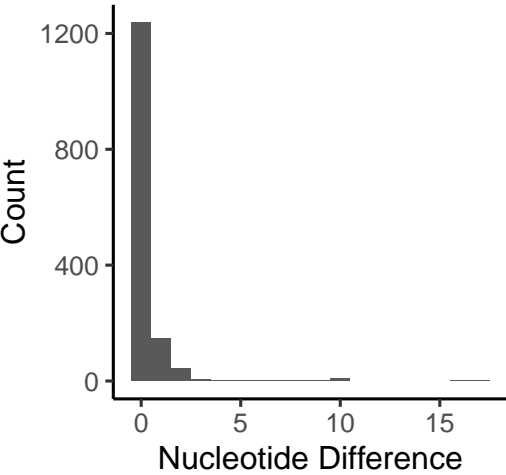
IGHV1-3*02

8 sequences assigned
5 (62.5%) exact matches, in which:
5 unique CDR3
3 unique J



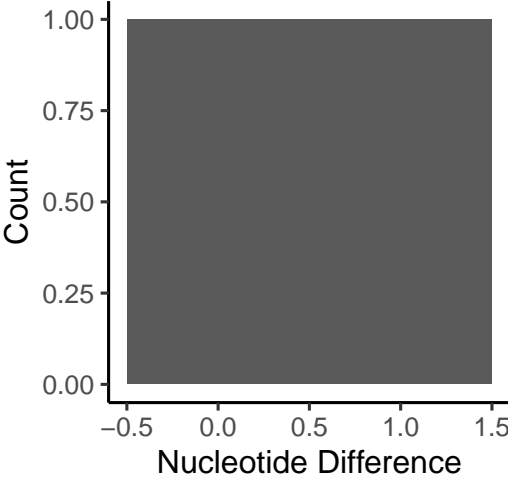
IGHV1-18*04

1460 sequences assigned
1237 (84.7%) exact matches, in which:
1200 unique CDR3
7 unique J



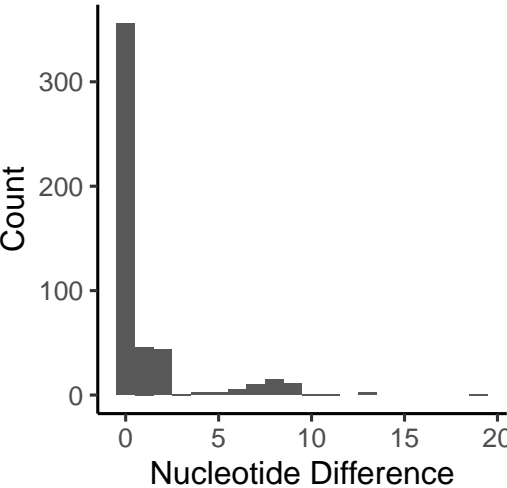
IGHV1-45*02

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



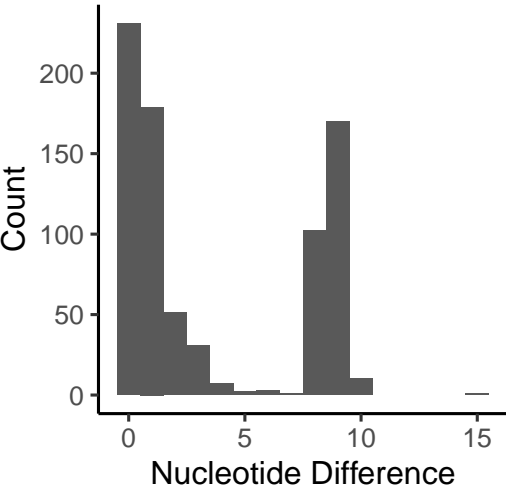
IGHV1-8*01

497 sequences assigned
356 (71.6%) exact matches, in which:
343 unique CDR3
6 unique J



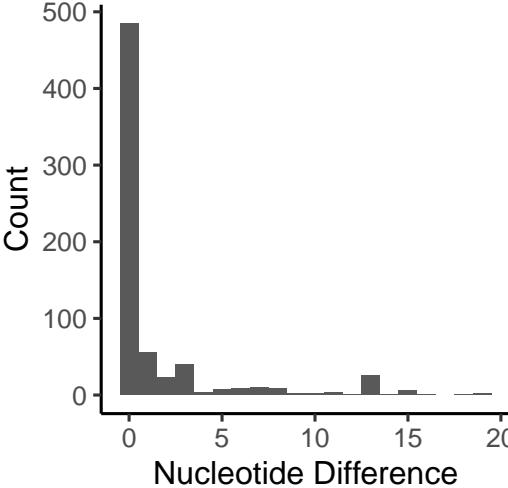
IGHV1-18*04_T6G_A24C

794 sequences assigned
231 (29.1%) exact matches, in which:
230 unique CDR3
6 unique J



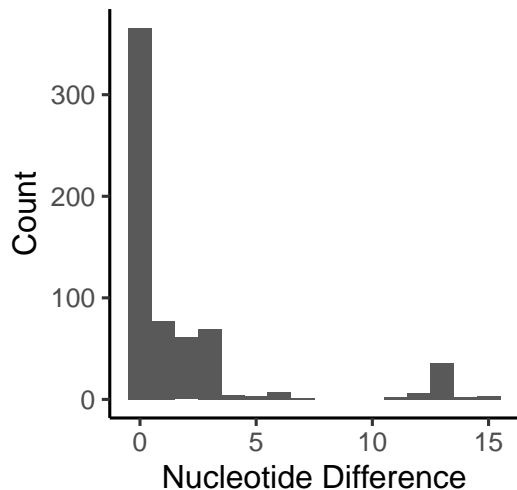
IGHV1-46*01

686 sequences assigned
485 (70.7%) exact matches, in which:
471 unique CDR3
7 unique J



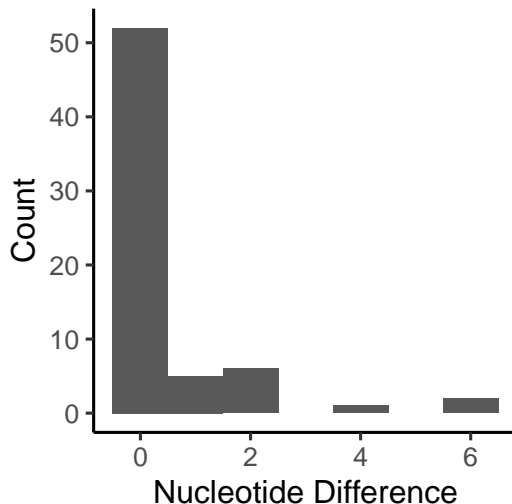
IGHV1-46*03

637 sequences assigned
366 (57.5%) exact matches, in which:
339 unique CDR3
7 unique J



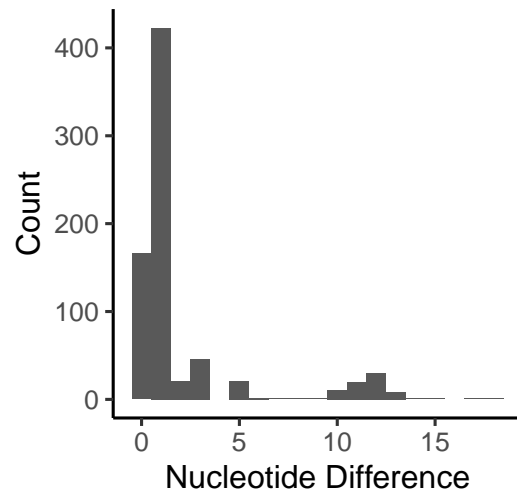
IGHV1-69-2*01

68 sequences assigned
52 (76.5%) exact matches, in which:
50 unique CDR3
5 unique J



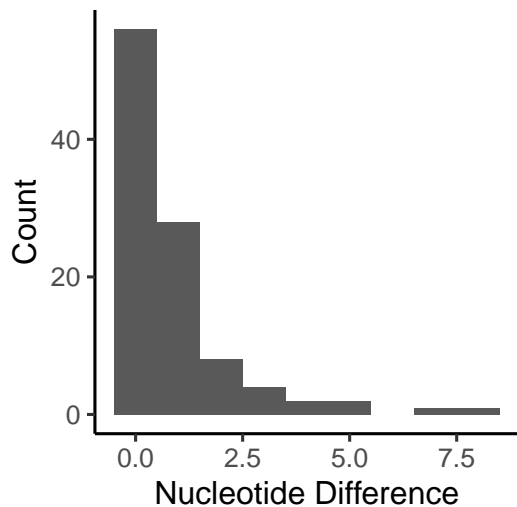
IGHV1-69*09

756 sequences assigned
166 (22%) exact matches, in which:
166 unique CDR3
5 unique J



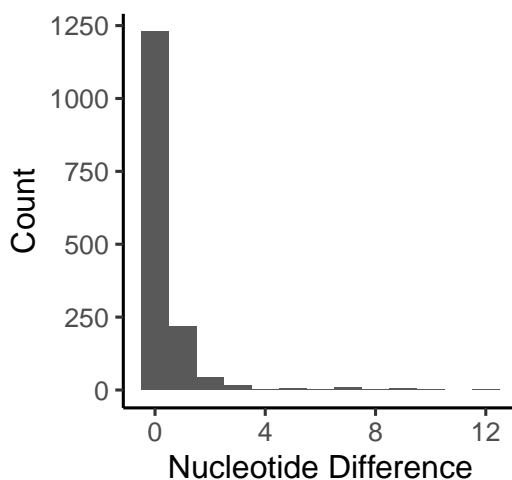
IGHV1-58*01

102 sequences assigned
56 (54.9%) exact matches, in which:
46 unique CDR3
6 unique J



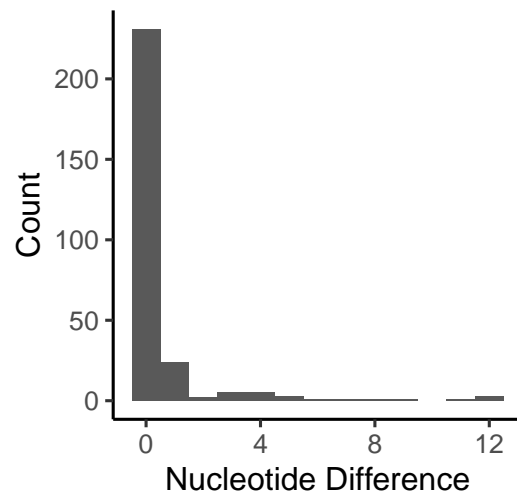
IGHV1-69*02

1530 sequences assigned
1229 (80.3%) exact matches, in which:
1182 unique CDR3
7 unique J



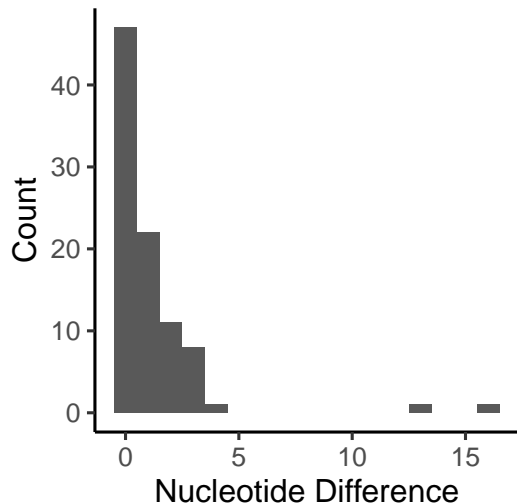
IGHV2-5*01

278 sequences assigned
231 (83.1%) exact matches, in which:
225 unique CDR3
7 unique J



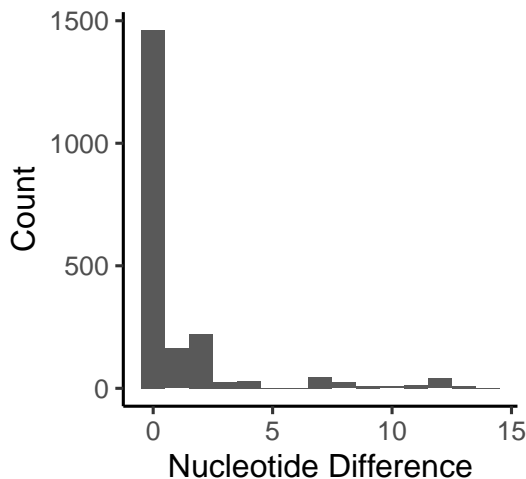
IGHV1-58*02

91 sequences assigned
47 (51.6%) exact matches, in which:
36 unique CDR3
6 unique J



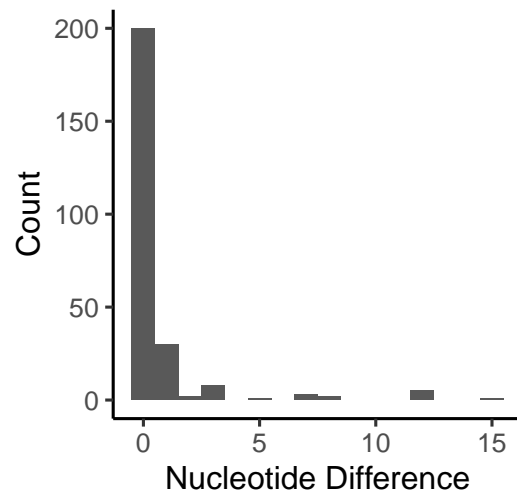
IGHV1-69*06

2062 sequences assigned
1462 (70.9%) exact matches, in which:
1364 unique CDR3
7 unique J



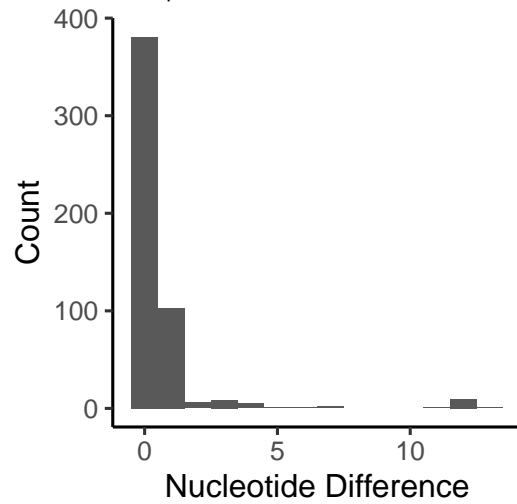
IGHV2-5*02

252 sequences assigned
200 (79.4%) exact matches, in which:
191 unique CDR3
6 unique J



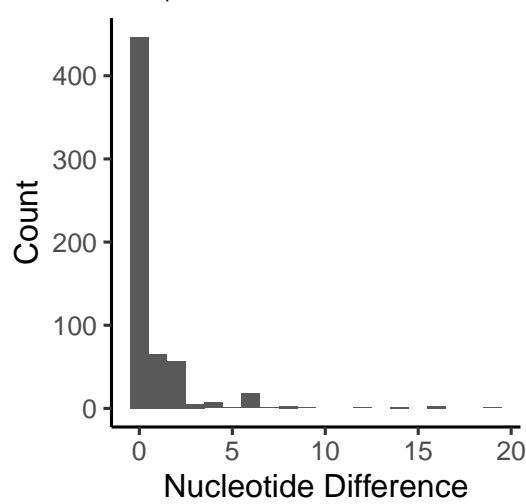
IGHV2-26*01

527 sequences assigned
381 (72.3%) exact matches, in which:
370 unique CDR3
7 unique J



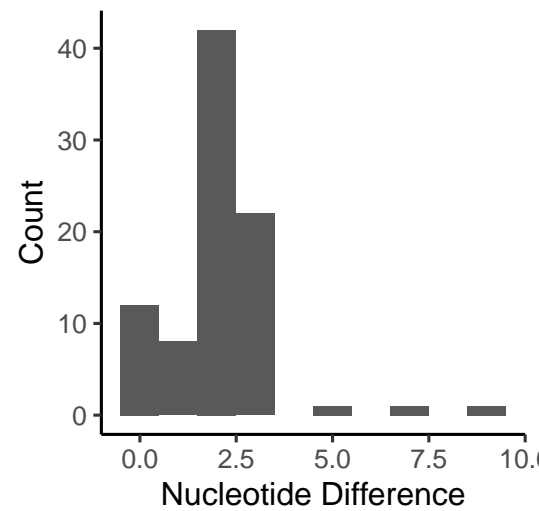
IGHV3-7*03

612 sequences assigned
447 (73%) exact matches, in which:
428 unique CDR3
7 unique J



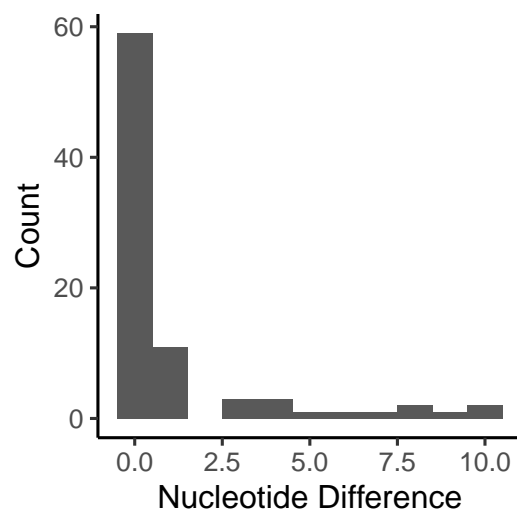
IGHV3-11*04

87 sequences assigned
12 (13.8%) exact matches, in which:
12 unique CDR3
4 unique J



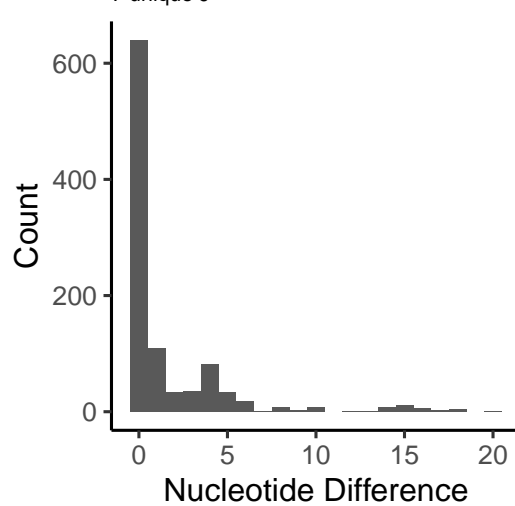
IGHV2-70*01

85 sequences assigned
59 (69.4%) exact matches, in which:
56 unique CDR3
5 unique J



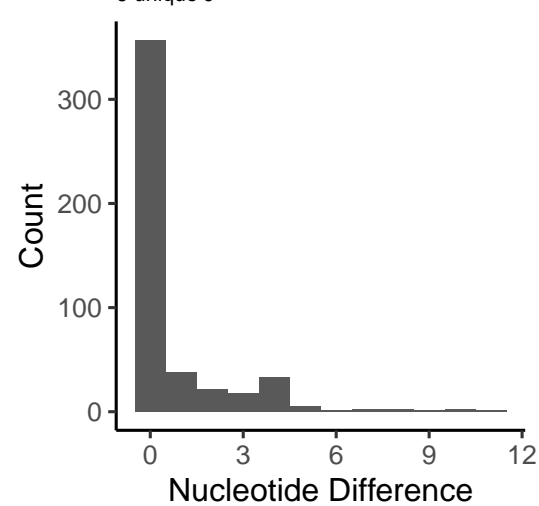
IGHV3-9*01

1004 sequences assigned
640 (63.7%) exact matches, in which:
581 unique CDR3
7 unique J



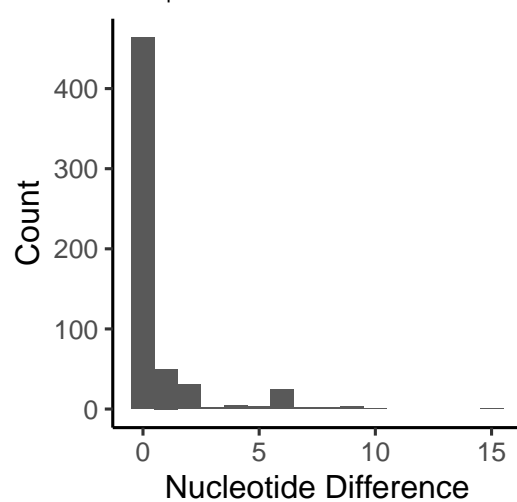
IGHV3-11*06

482 sequences assigned
357 (74.1%) exact matches, in which:
305 unique CDR3
6 unique J



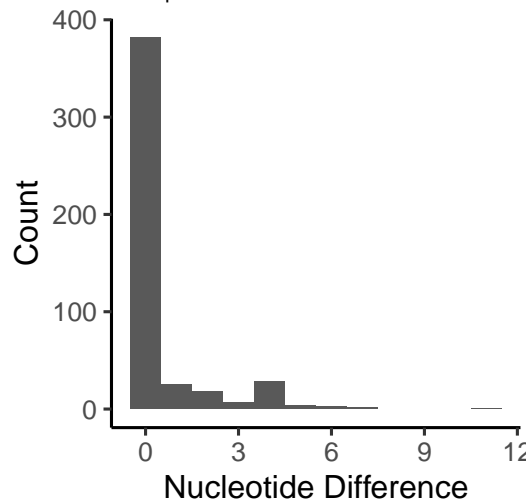
IGHV3-7*01

588 sequences assigned
464 (78.9%) exact matches, in which:
438 unique CDR3
7 unique J



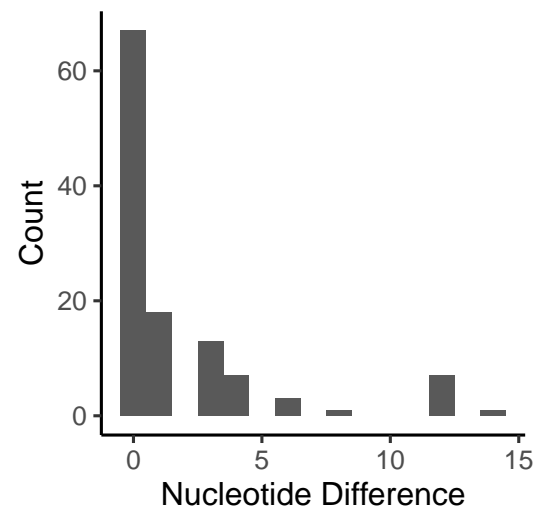
IGHV3-11*01

471 sequences assigned
382 (81.1%) exact matches, in which:
328 unique CDR3
6 unique J



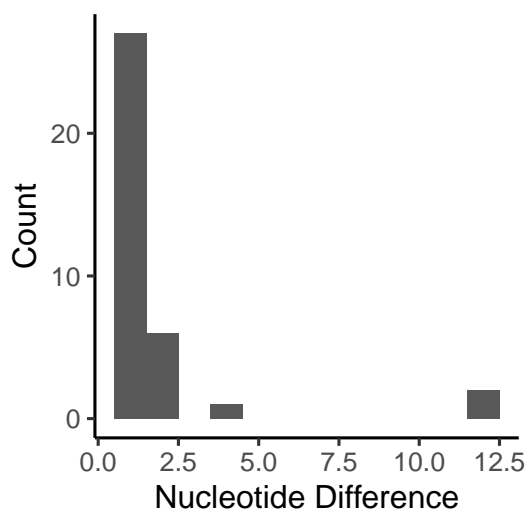
IGHV3-13*01

117 sequences assigned
67 (57.3%) exact matches, in which:
59 unique CDR3
6 unique J



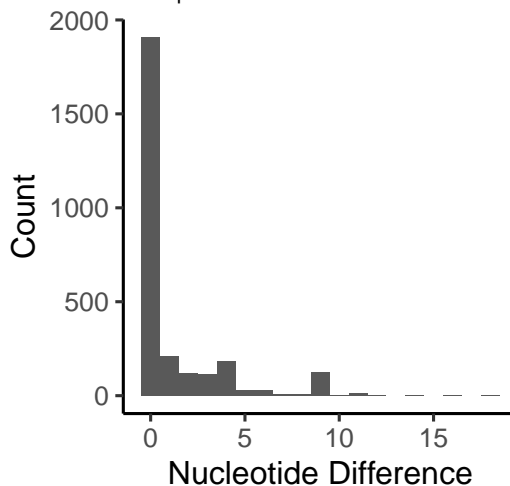
IGHV3-13*05

36 sequences assigned
No exact matches.



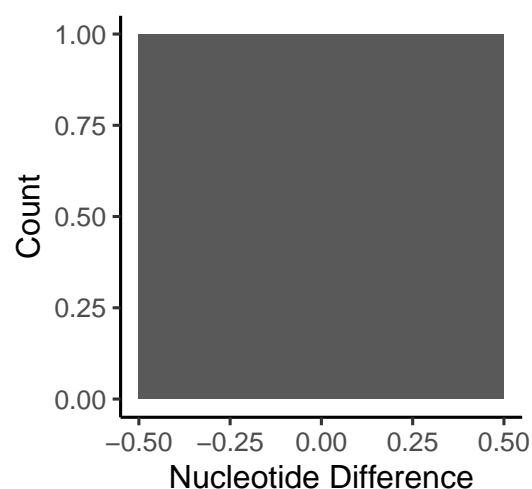
IGHV3-21*01

2756 sequences assigned
1907 (69.2%) exact matches, in which:
1810 unique CDR3
7 unique J



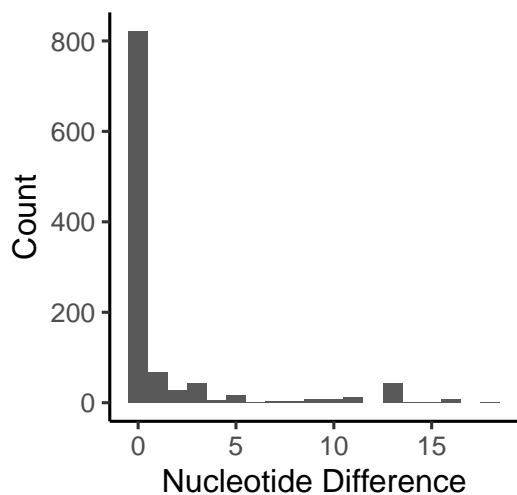
IGHV3-35*01

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



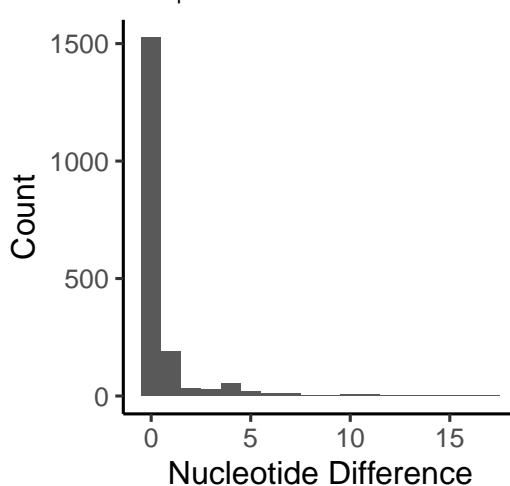
IGHV3-15*01

1079 sequences assigned
822 (76.2%) exact matches, in which:
779 unique CDR3
7 unique J



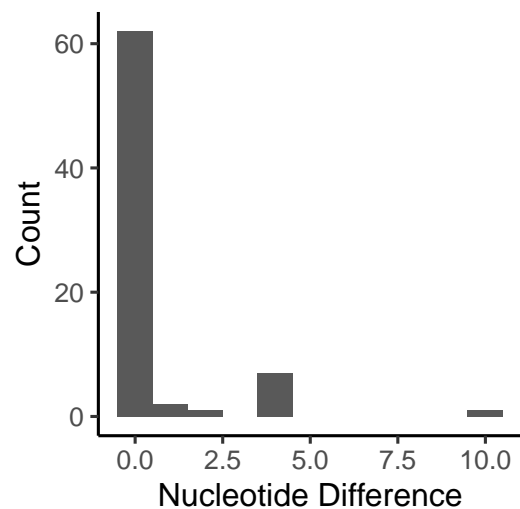
IGHV3-33*01

1897 sequences assigned
1525 (80.4%) exact matches, in which:
1356 unique CDR3
7 unique J



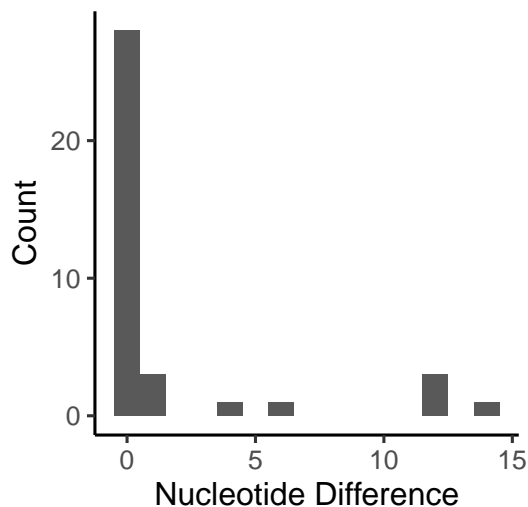
IGHV3-43*01

73 sequences assigned
62 (84.9%) exact matches, in which:
61 unique CDR3
6 unique J



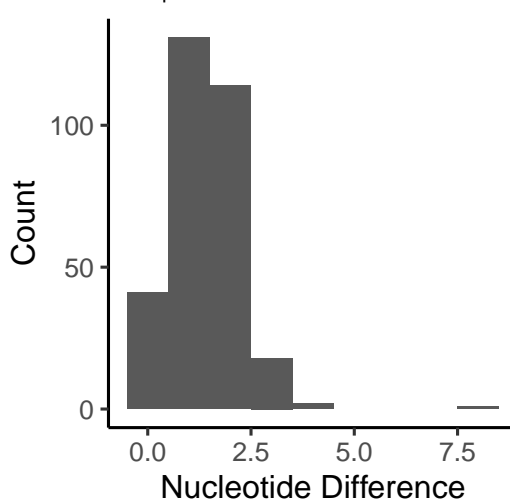
IGHV3-20*01

37 sequences assigned
28 (75.7%) exact matches, in which:
28 unique CDR3
5 unique J



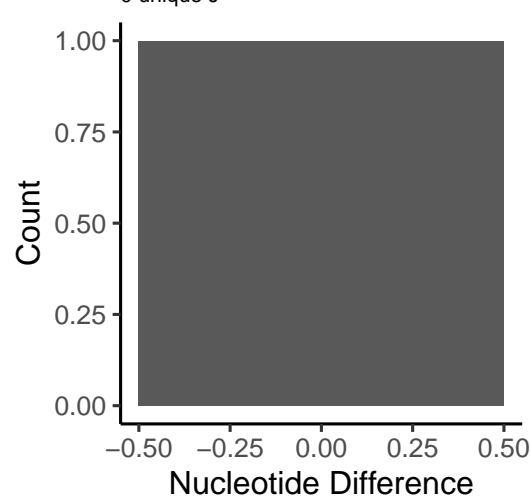
IGHV3-33*06

307 sequences assigned
41 (13.4%) exact matches, in which:
41 unique CDR3
7 unique J



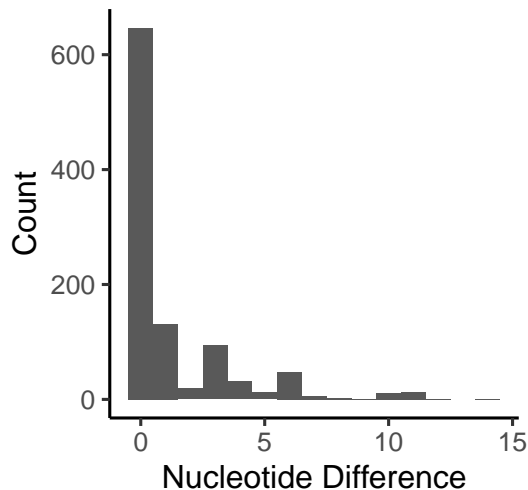
IGHV3-47*02

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



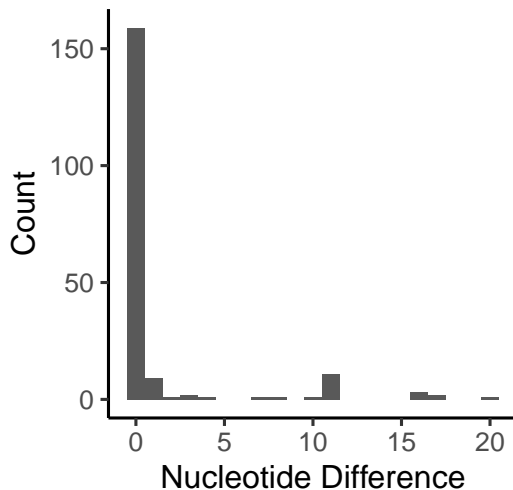
IGHV3-48*01

1017 sequences assigned
647 (63.6%) exact matches, in which:
612 unique CDR3
7 unique J



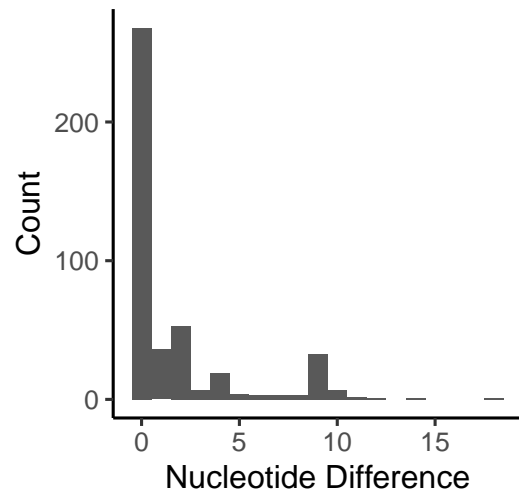
IGHV3-49*04

192 sequences assigned
159 (82.8%) exact matches, in which:
154 unique CDR3
6 unique J



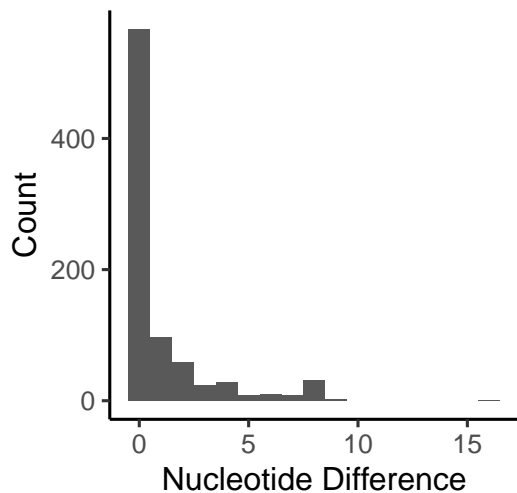
IGHV3-66*02

443 sequences assigned
268 (60.5%) exact matches, in which:
242 unique CDR3
6 unique J



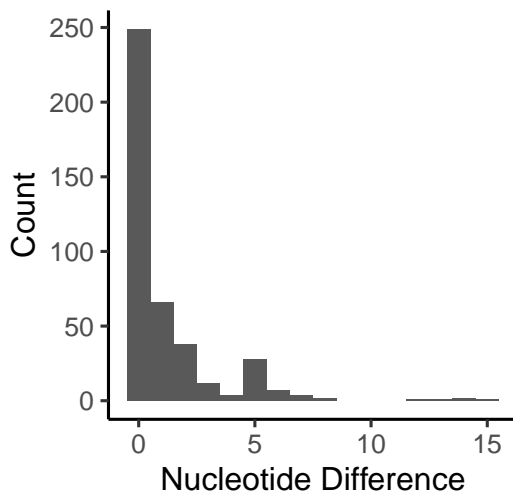
IGHV3-48*03

839 sequences assigned
567 (67.6%) exact matches, in which:
536 unique CDR3
6 unique J



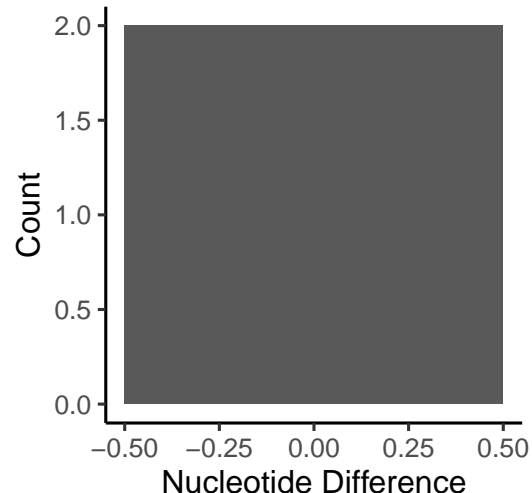
IGHV3-53*02

415 sequences assigned
249 (60%) exact matches, in which:
239 unique CDR3
7 unique J



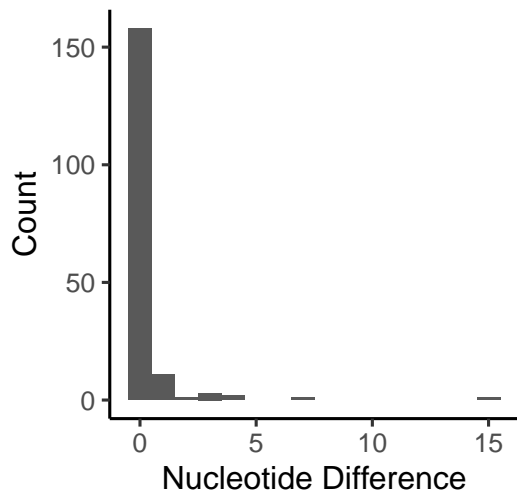
IGHV3-69-1*01

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



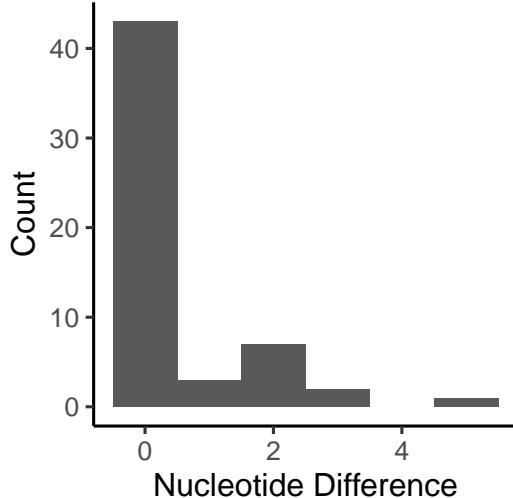
IGHV3-49*03

177 sequences assigned
158 (89.3%) exact matches, in which:
148 unique CDR3
6 unique J



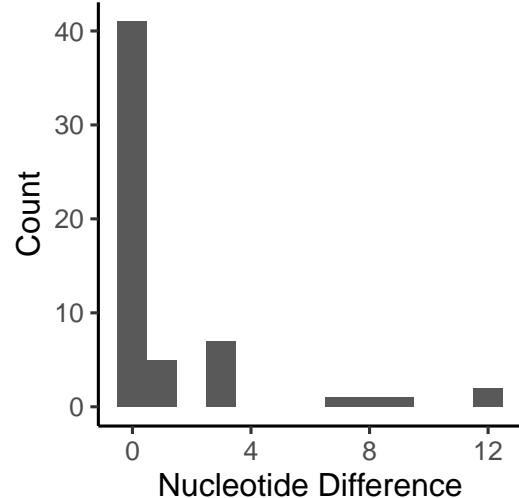
IGHV3-64*01

56 sequences assigned
43 (76.8%) exact matches, in which:
41 unique CDR3
5 unique J



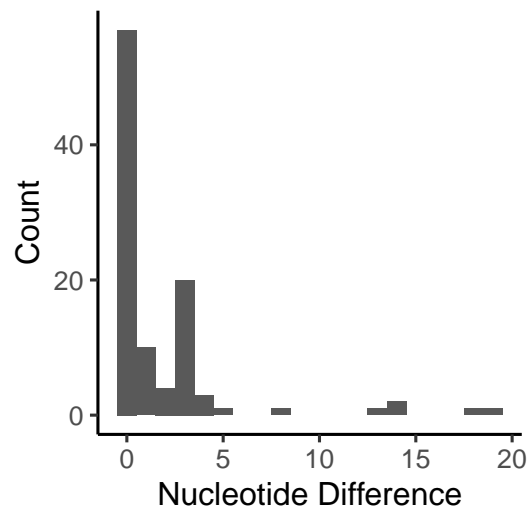
IGHV3-72*01

58 sequences assigned
41 (70.7%) exact matches, in which:
38 unique CDR3
6 unique J



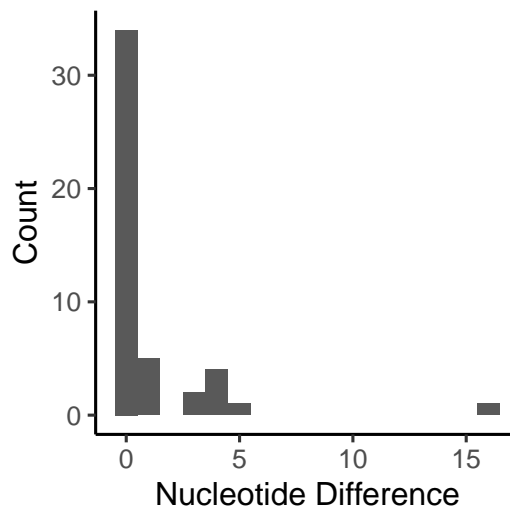
IGHV3-73*01

101 sequences assigned
57 (56.4%) exact matches, in which:
53 unique CDR3
6 unique J



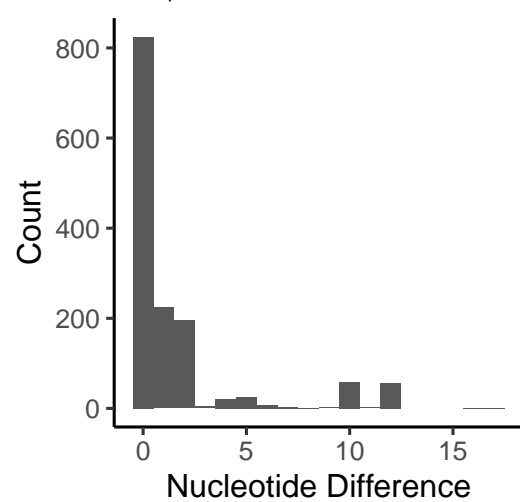
IGHV3-43D*04

47 sequences assigned
34 (72.3%) exact matches, in which:
33 unique CDR3
5 unique J



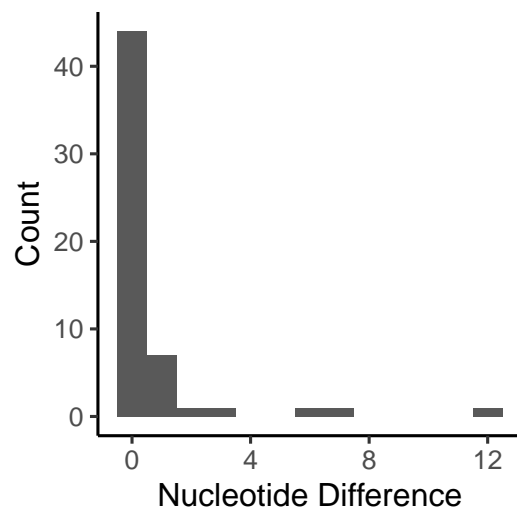
IGHV4-4*07

1426 sequences assigned
825 (57.9%) exact matches, in which:
789 unique CDR3
7 unique J



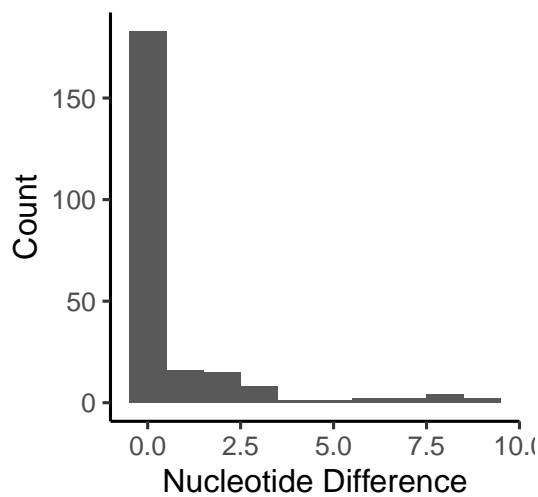
IGHV3-73*02

56 sequences assigned
44 (78.6%) exact matches, in which:
43 unique CDR3
5 unique J



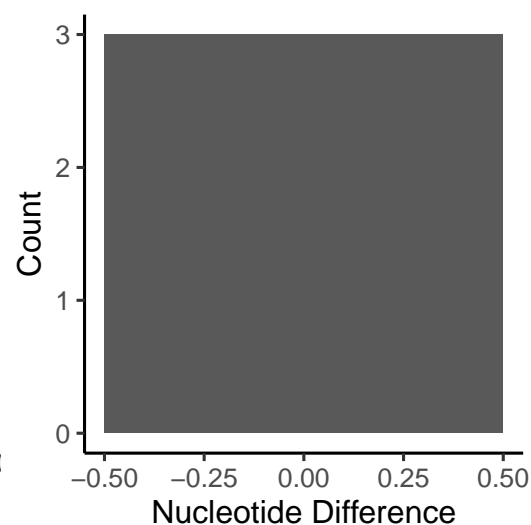
IGHV3-64D*06

235 sequences assigned
183 (77.9%) exact matches, in which:
176 unique CDR3
6 unique J



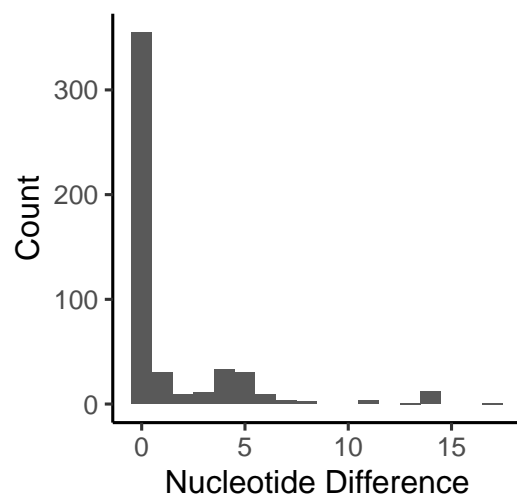
IGHV4-28*01

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



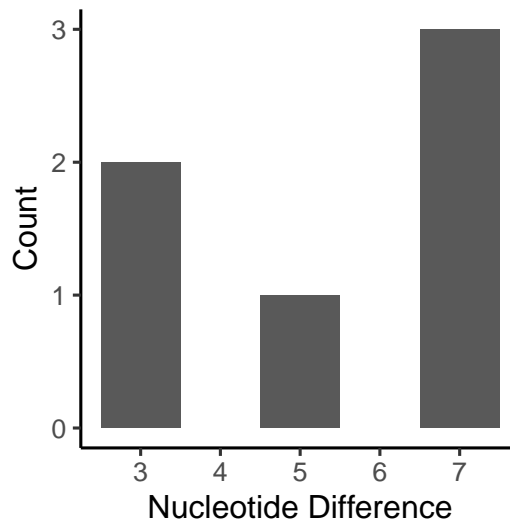
IGHV3-74*01

499 sequences assigned
355 (71.1%) exact matches, in which:
339 unique CDR3
7 unique J



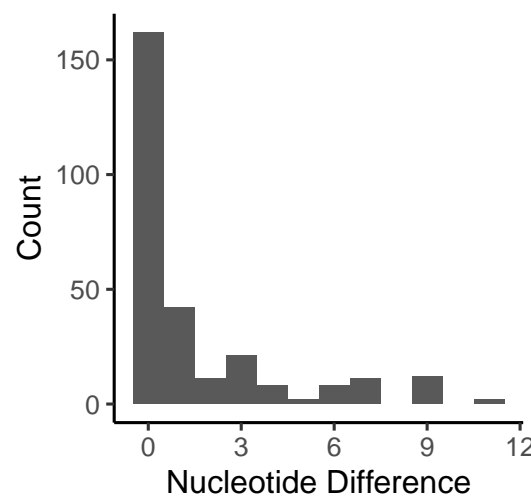
IGHV3-NL1*01

6 sequences assigned
No exact matches.



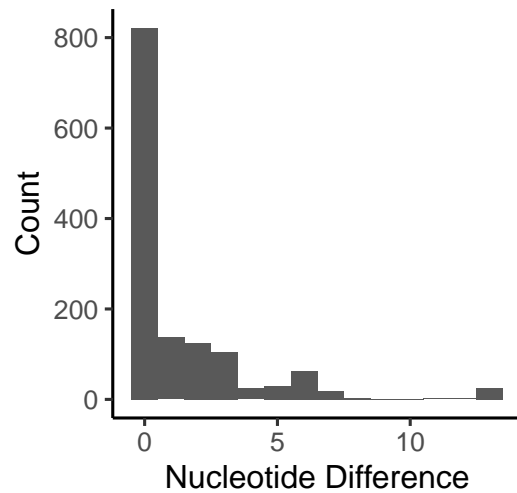
IGHV4-30-2*01

279 sequences assigned
162 (58.1%) exact matches, in which:
147 unique CDR3
7 unique J



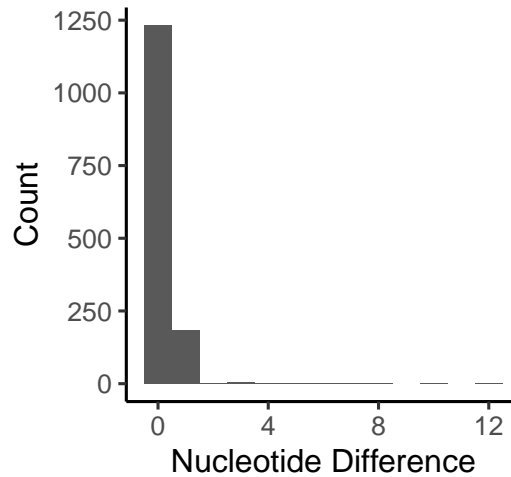
IGHV4-31*03

1356 sequences assigned
822 (60.6%) exact matches, in which:
779 unique CDR3
7 unique J



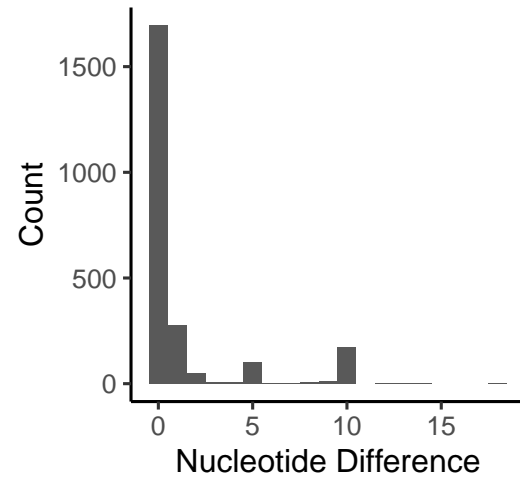
IGHV4-39*01

1434 sequences assigned
1232 (85.9%) exact matches, in which:
1183 unique CDR3
7 unique J



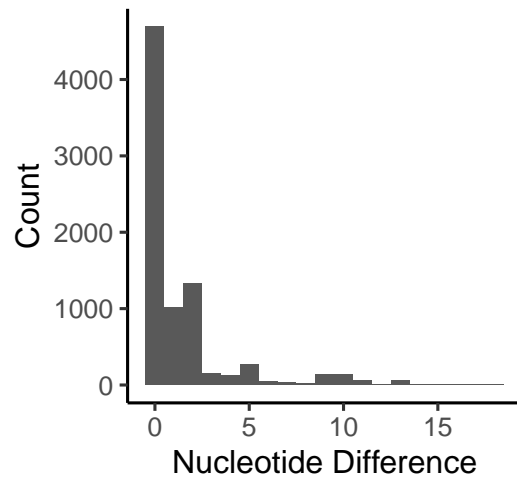
IGHV4-59*01

2339 sequences assigned
1695 (72.5%) exact matches, in which:
1588 unique CDR3
7 unique J



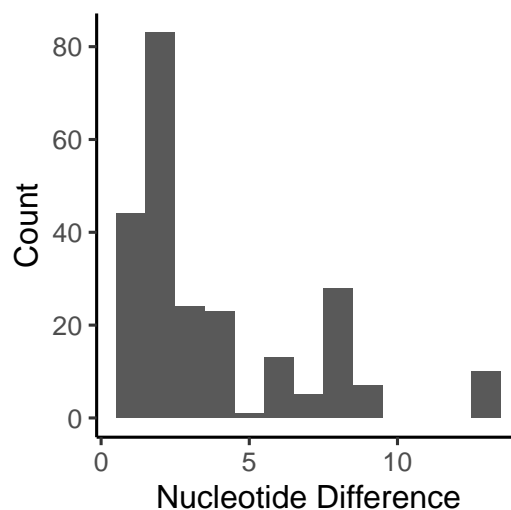
IGHV4-34*01

8084 sequences assigned
4691 (58%) exact matches, in which:
4451 unique CDR3
7 unique J



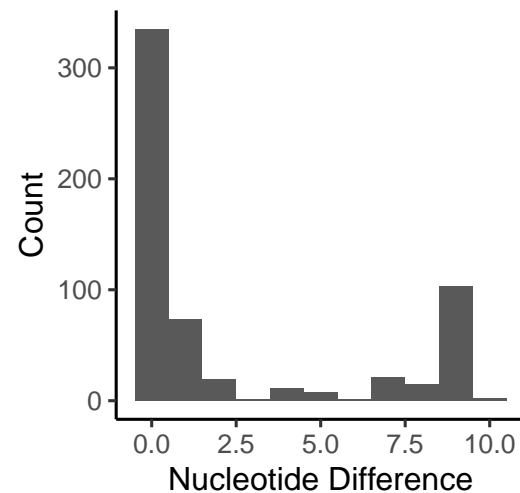
IGHV4-39*07

238 sequences assigned
No exact matches.



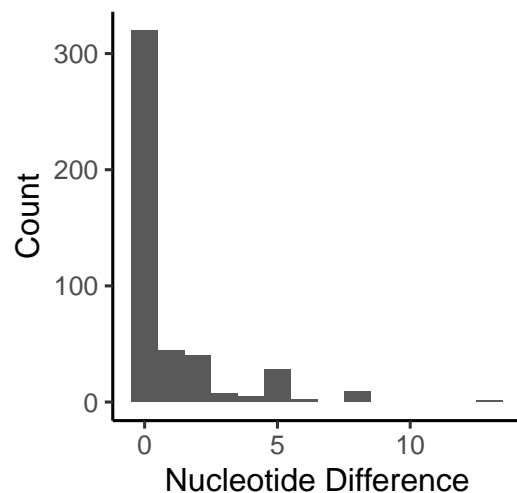
IGHV4-59*12_C300T

589 sequences assigned
335 (56.9%) exact matches, in which:
335 unique CDR3
7 unique J



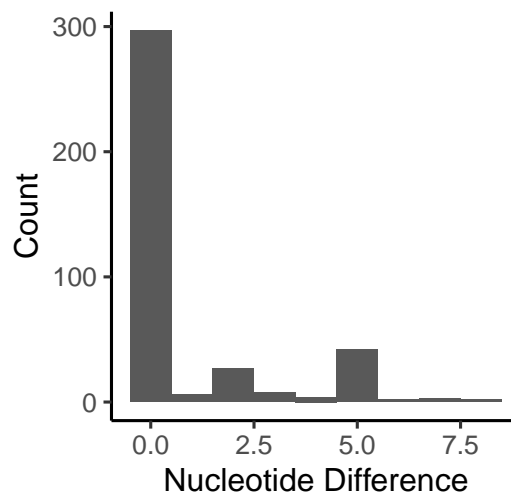
IGHV4-38-2*02_A70G

456 sequences assigned
320 (70.2%) exact matches, in which:
301 unique CDR3
6 unique J



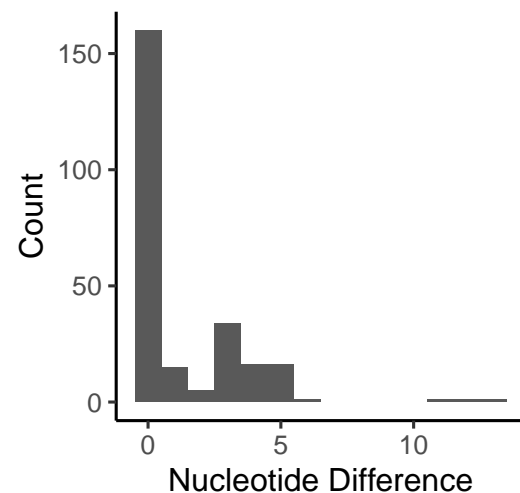
IGHV4-39*01_C4G

391 sequences assigned
297 (76%) exact matches, in which:
275 unique CDR3
6 unique J



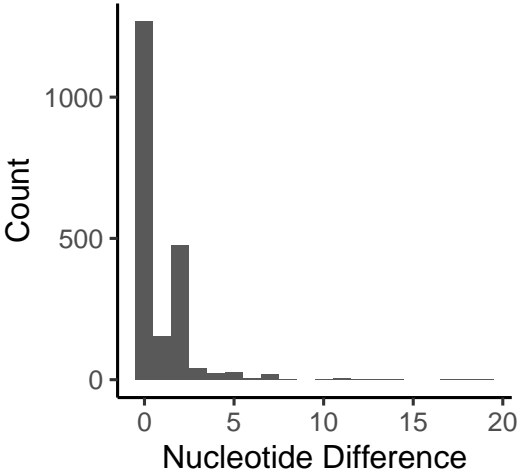
IGHV4-61*01

250 sequences assigned
160 (64%) exact matches, in which:
153 unique CDR3
6 unique J



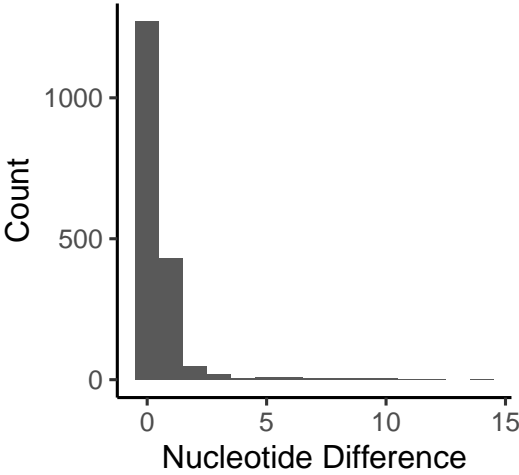
IGHV4-61*02

2030 sequences assigned
1268 (62.5%) exact matches, in which:
1224 unique CDR3
7 unique J



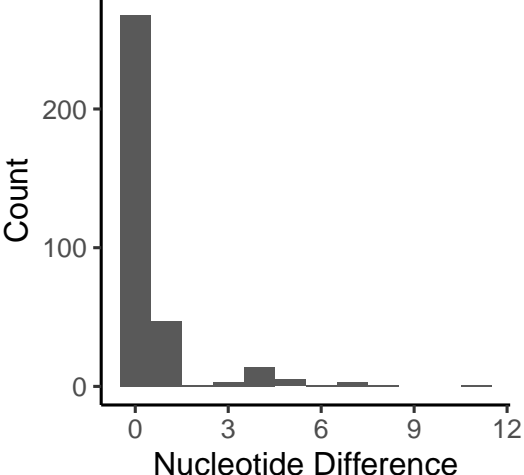
IGHV5-51*01

1816 sequences assigned
1271 (70%) exact matches, in which:
1181 unique CDR3
7 unique J



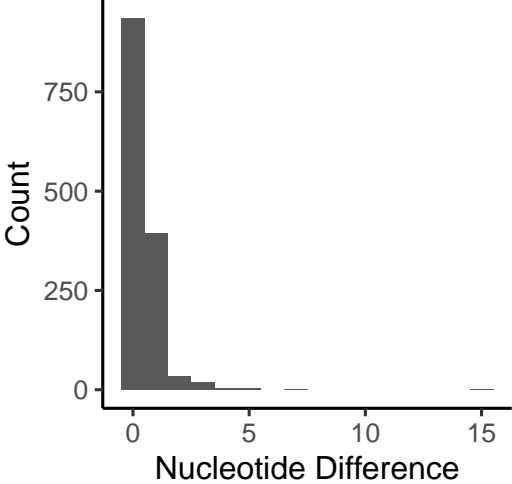
IGHV6-1*01

344 sequences assigned
268 (77.9%) exact matches, in which:
244 unique CDR3
7 unique J



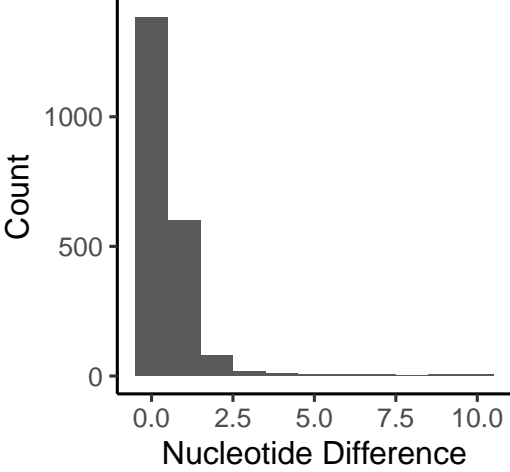
IGHV5-10-1*03

1391 sequences assigned
936 (67.3%) exact matches, in which:
899 unique CDR3
7 unique J



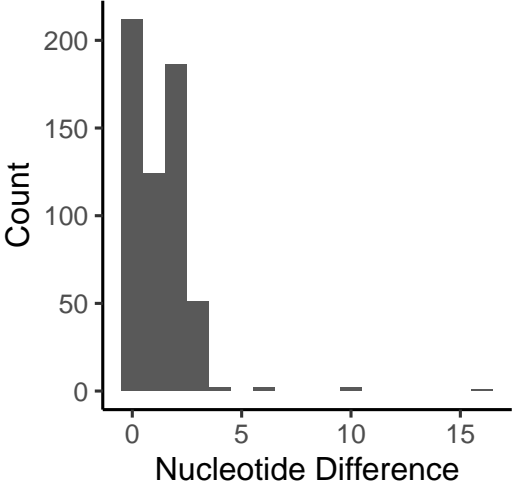
IGHV5-51*01_C45G

2117 sequences assigned
1382 (65.3%) exact matches, in which:
1283 unique CDR3
7 unique J



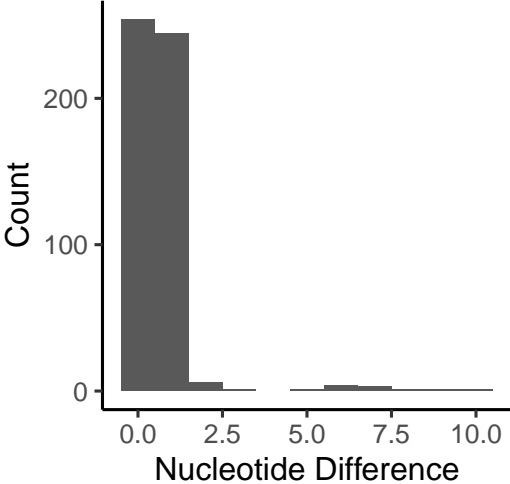
IGHV5-10-1*01_A3G

581 sequences assigned
212 (36.5%) exact matches, in which:
212 unique CDR3
5 unique J

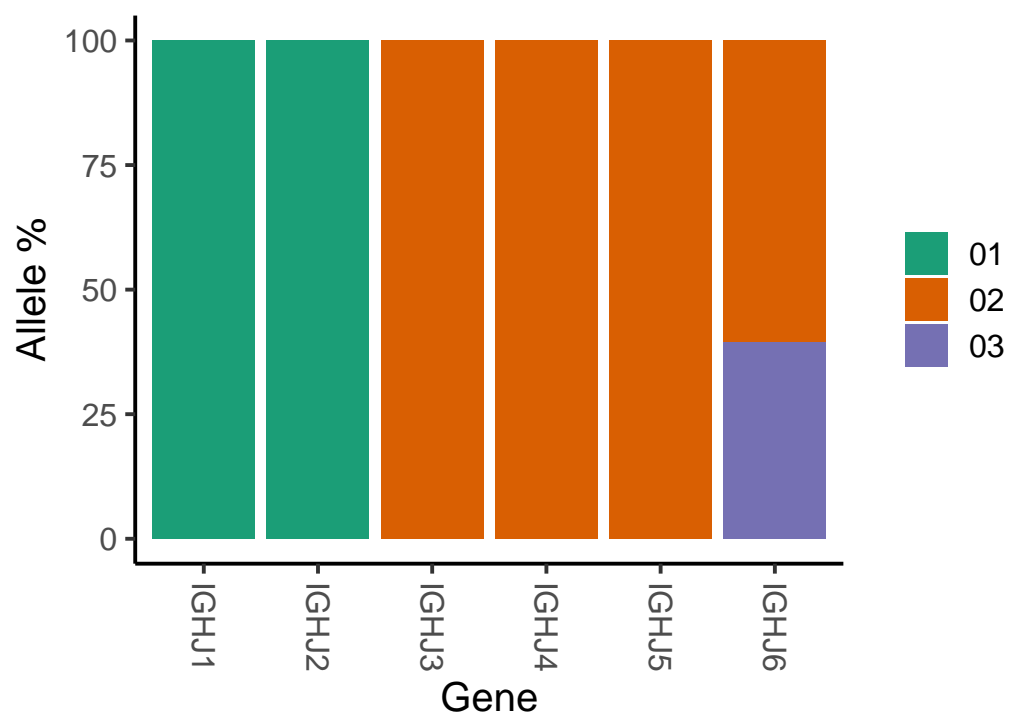


IGHV5-51*01_G3A_T21C_A59G

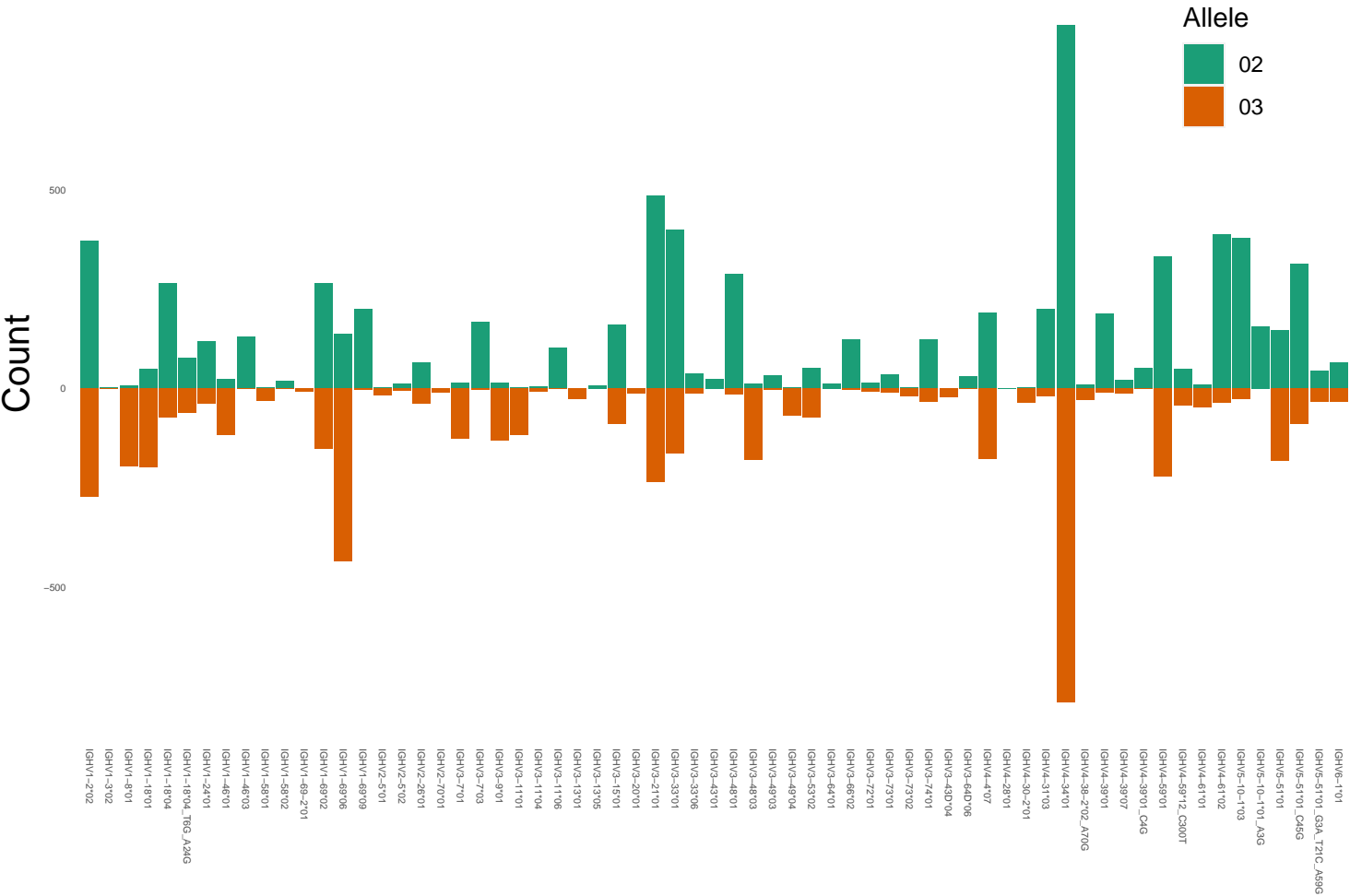
516 sequences assigned
254 (49.2%) exact matches, in which:
254 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.