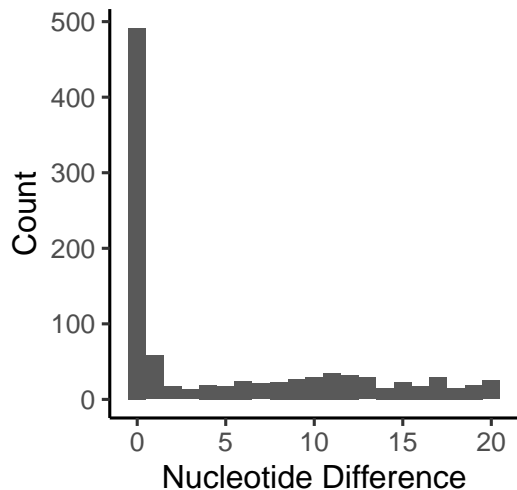


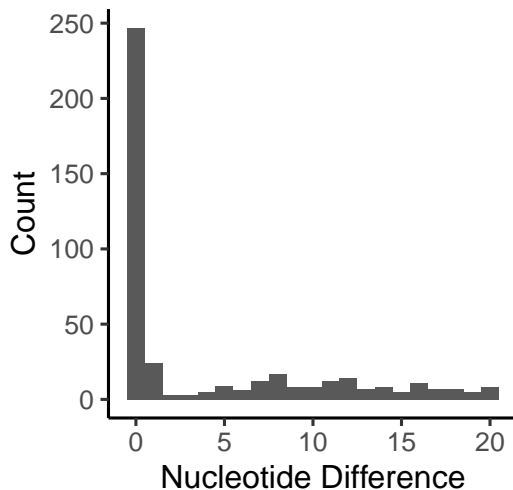
IGHV1-2*02

1159 sequences assigned
492 (42.5%) exact matches, in which:
490 unique CDR3
7 unique J



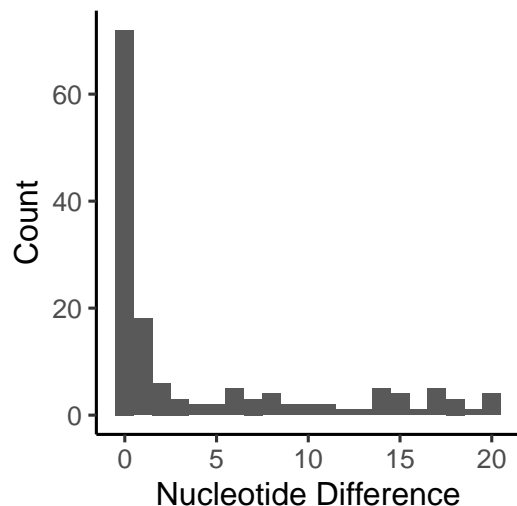
IGHV1-18*01

527 sequences assigned
247 (46.9%) exact matches, in which:
246 unique CDR3
7 unique J



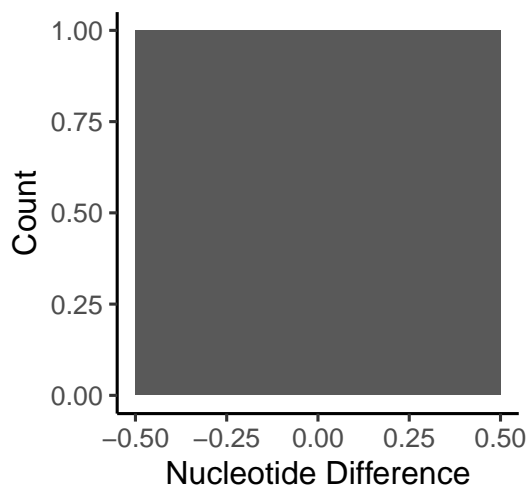
IGHV1-46*01

168 sequences assigned
72 (42.9%) exact matches, in which:
72 unique CDR3
6 unique J



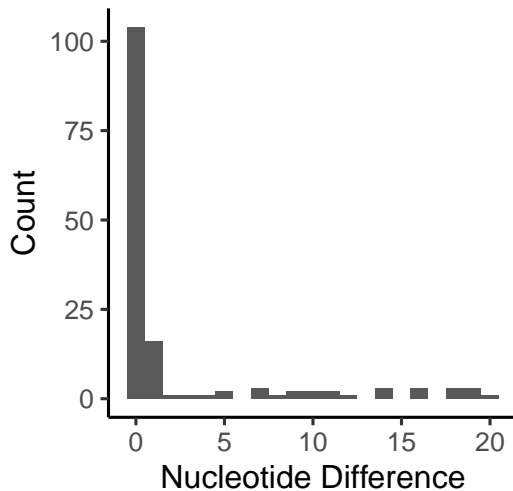
IGHV1-3*02

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



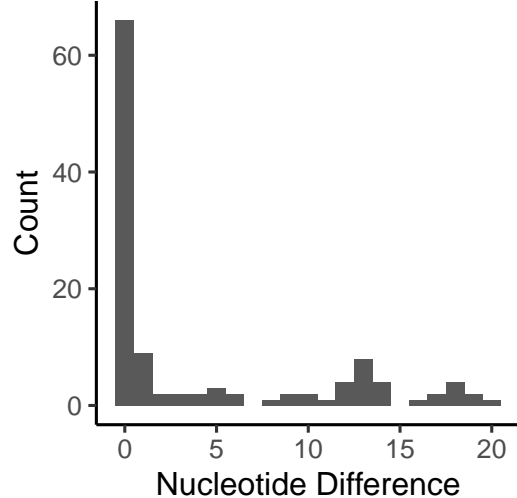
IGHV1-24*01

164 sequences assigned
104 (63.4%) exact matches, in which:
104 unique CDR3
7 unique J



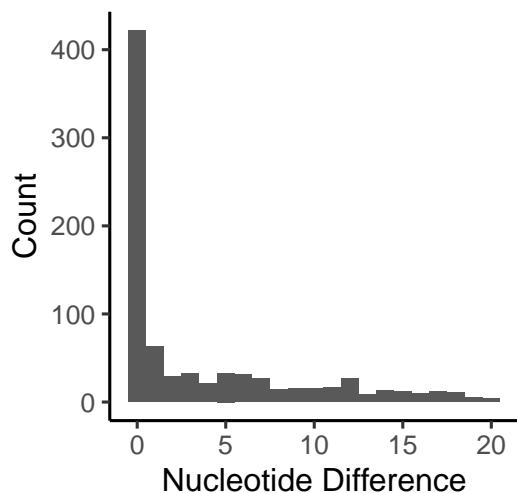
IGHV1-46*03

135 sequences assigned
66 (48.9%) exact matches, in which:
66 unique CDR3
5 unique J



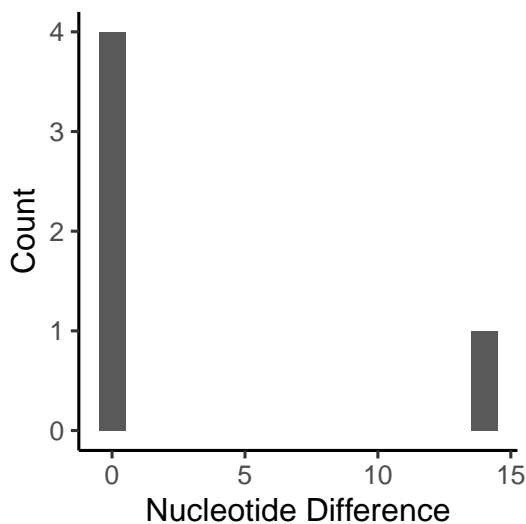
IGHV1-8*01

875 sequences assigned
422 (48.2%) exact matches, in which:
422 unique CDR3
7 unique J



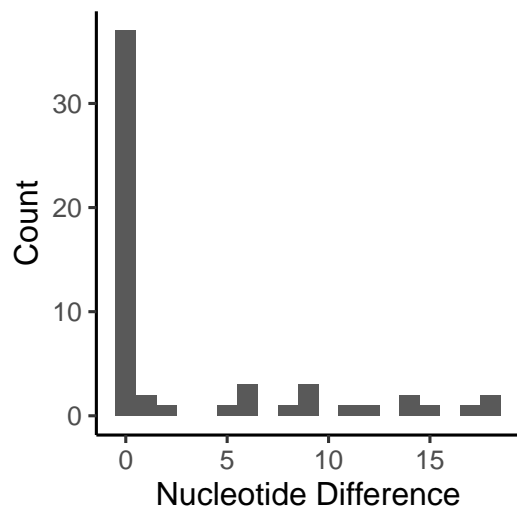
IGHV1-45*02

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 unique J



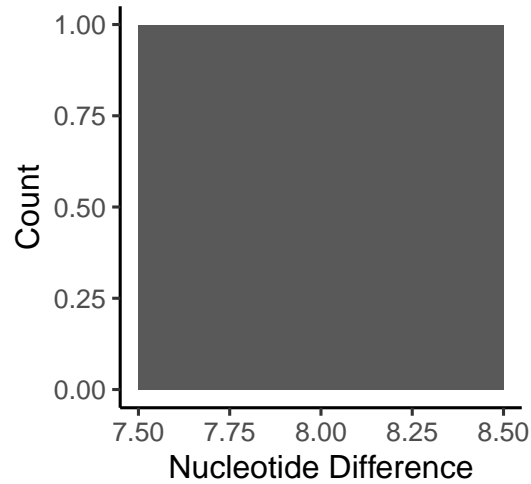
IGHV1-58*01

58 sequences assigned
37 (63.8%) exact matches, in which:
37 unique CDR3
6 unique J



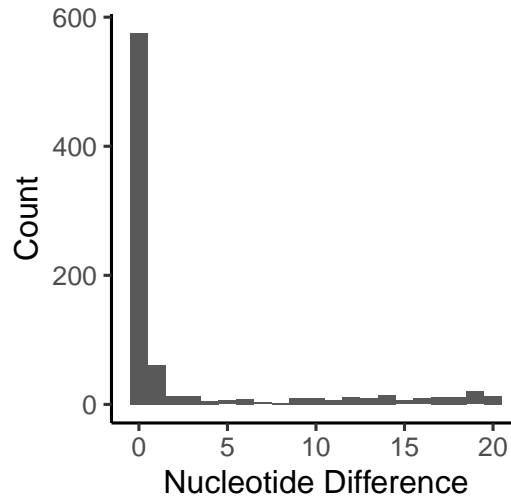
IGHV1-68*01

1 sequences assigned
No exact matches.



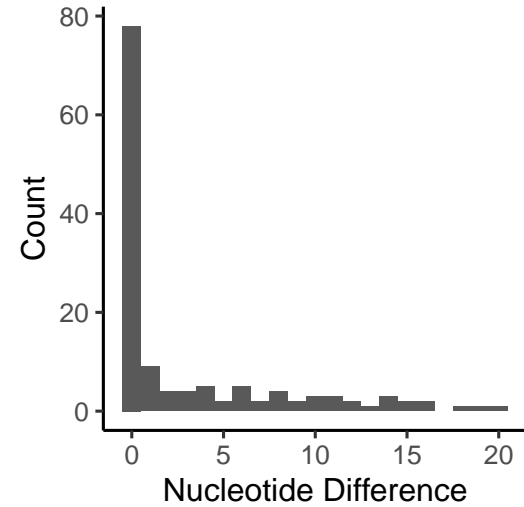
IGHV1-69*06

920 sequences assigned
576 (62.6%) exact matches, in which:
575 unique CDR3
7 unique J



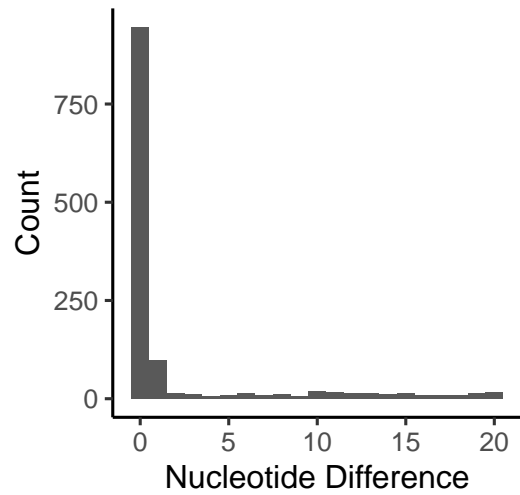
IGHV2-26*01

142 sequences assigned
78 (54.9%) exact matches, in which:
78 unique CDR3
7 unique J



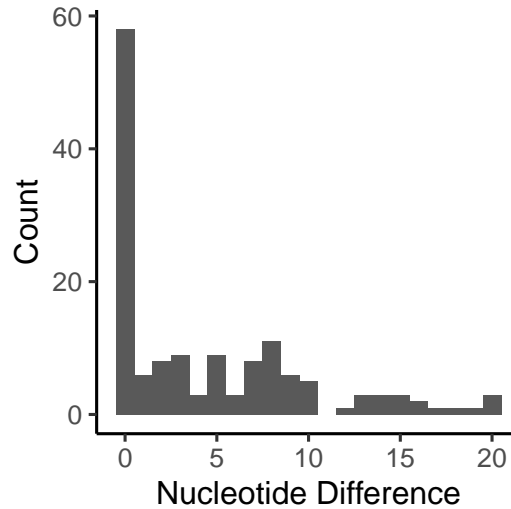
IGHV1-69*01

1396 sequences assigned
946 (67.8%) exact matches, in which:
942 unique CDR3
7 unique J



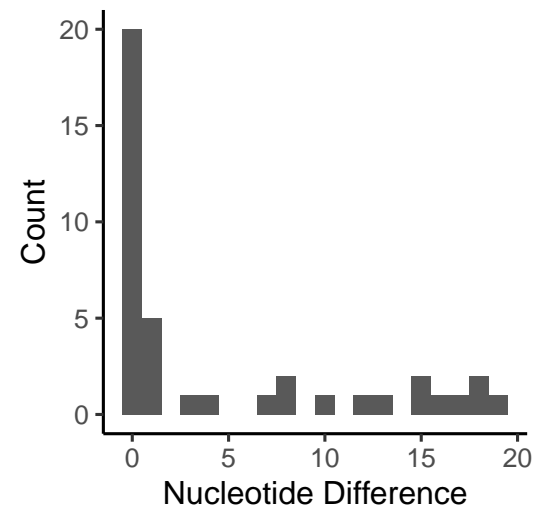
IGHV2-5*01

169 sequences assigned
58 (34.3%) exact matches, in which:
58 unique CDR3
4 unique J



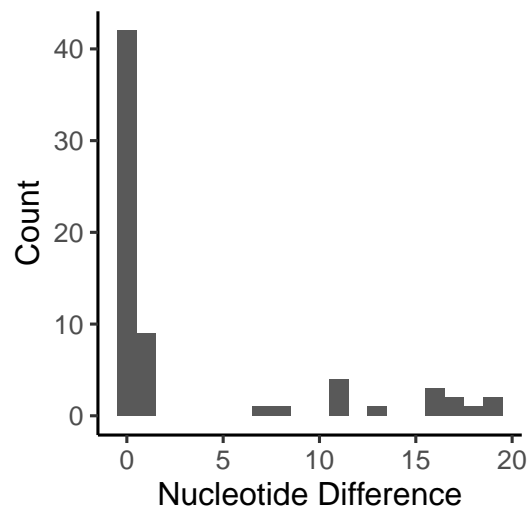
IGHV2-70*01

47 sequences assigned
20 (42.6%) exact matches, in which:
20 unique CDR3
5 unique J



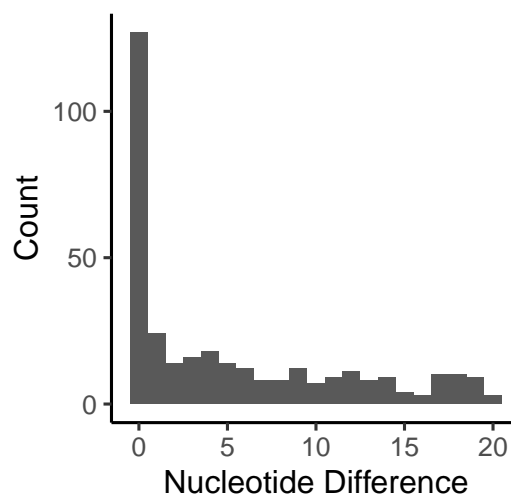
IGHV1-69-2*01

79 sequences assigned
42 (53.2%) exact matches, in which:
42 unique CDR3
6 unique J



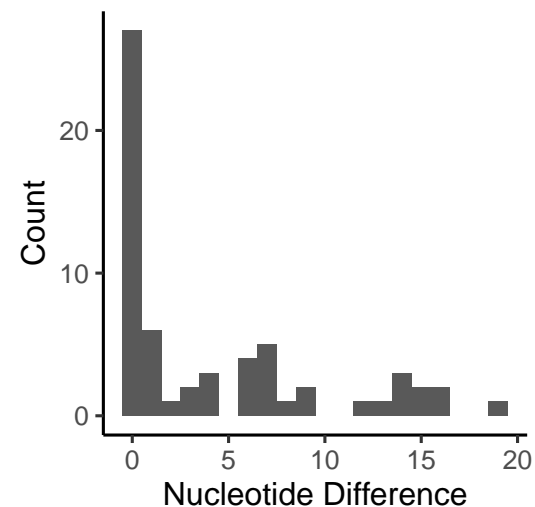
IGHV2-5*02

362 sequences assigned
127 (35.1%) exact matches, in which:
127 unique CDR3
7 unique J



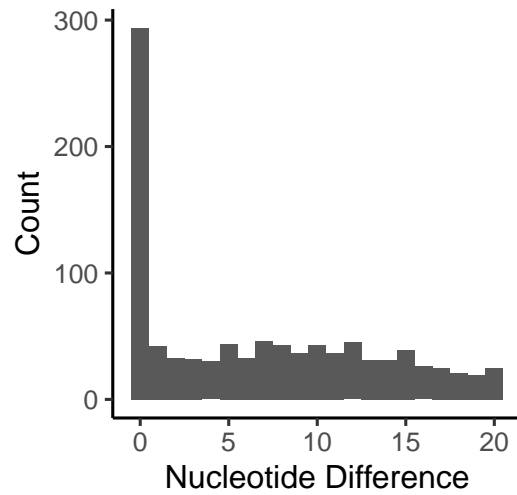
IGHV2-70*04

65 sequences assigned
27 (41.5%) exact matches, in which:
27 unique CDR3
5 unique J



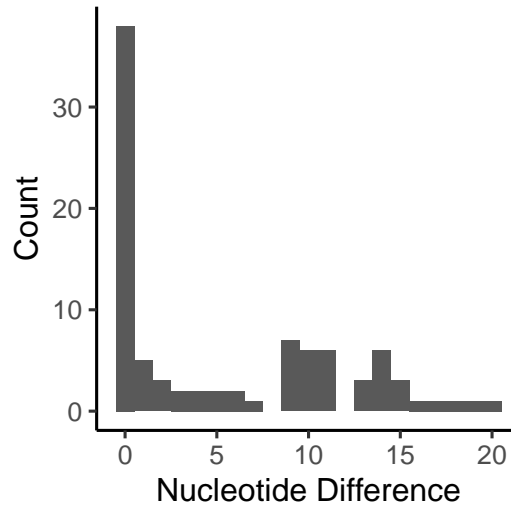
IGHV3-7*01

1055 sequences assigned
294 (27.9%) exact matches, in which:
292 unique CDR3
7 unique J



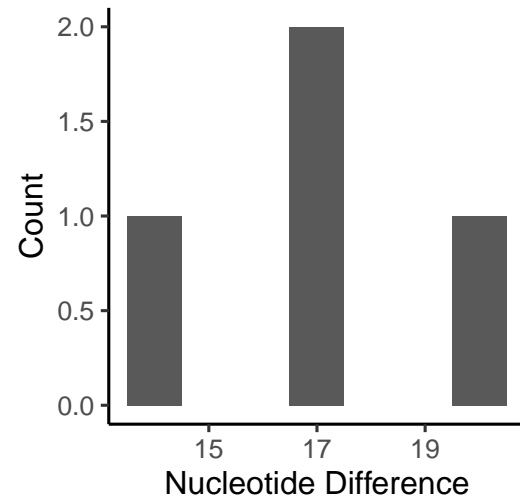
IGHV3-13*01

104 sequences assigned
38 (36.5%) exact matches, in which:
38 unique CDR3
6 unique J



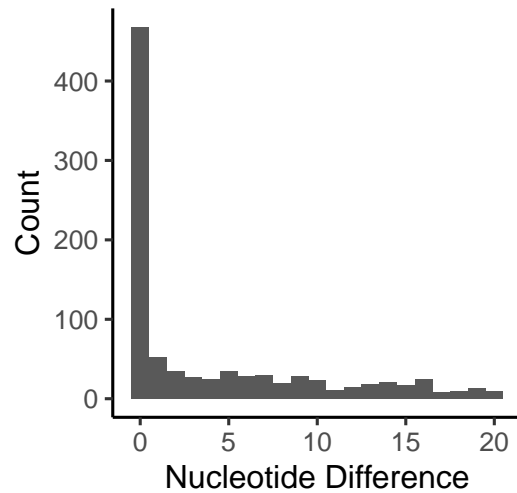
IGHV3-20*04

9 sequences assigned
No exact matches.



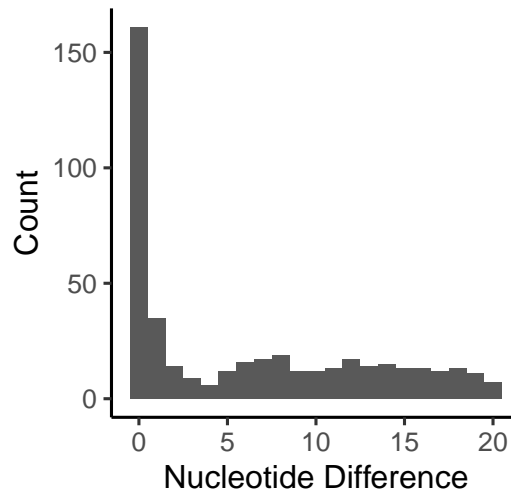
IGHV3-9*01

998 sequences assigned
468 (46.9%) exact matches, in which:
467 unique CDR3
7 unique J



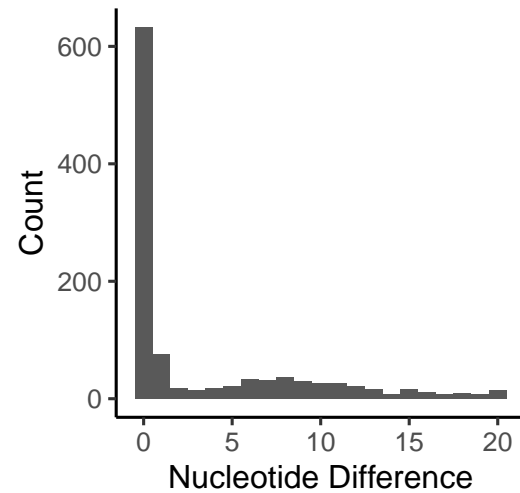
IGHV3-15*01

499 sequences assigned
161 (32.3%) exact matches, in which:
161 unique CDR3
7 unique J



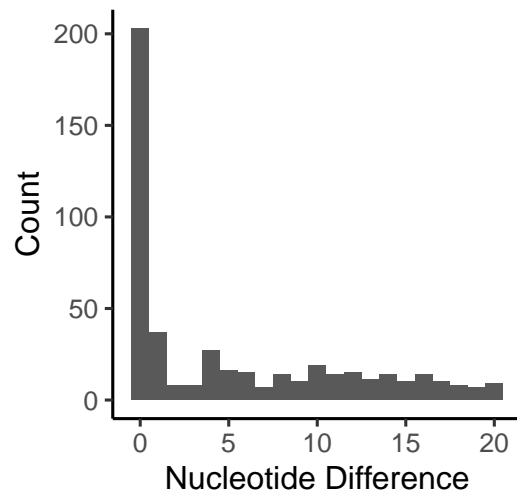
IGHV3-21*01

1139 sequences assigned
633 (55.6%) exact matches, in which:
627 unique CDR3
7 unique J



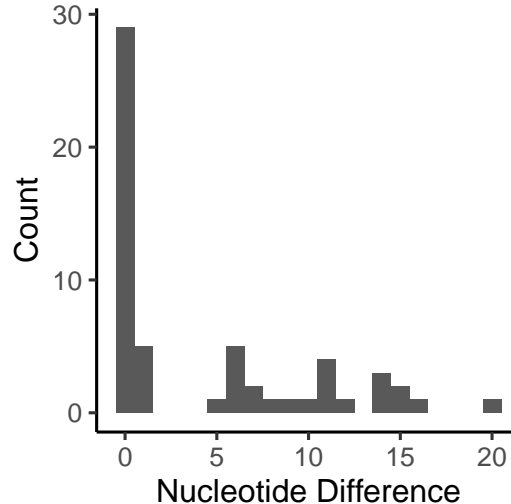
IGHV3-11*01

524 sequences assigned
203 (38.7%) exact matches, in which:
203 unique CDR3
7 unique J



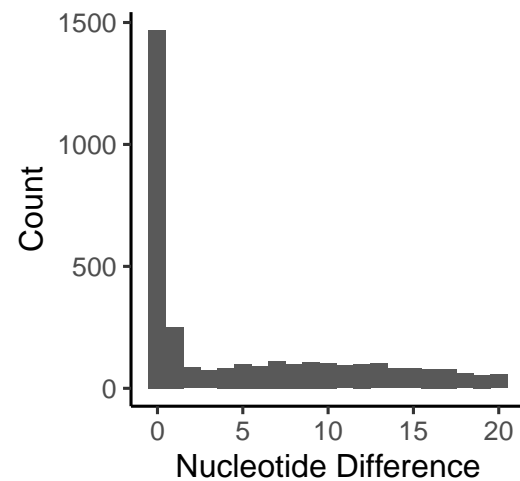
IGHV3-20*01

59 sequences assigned
29 (49.2%) exact matches, in which:
29 unique CDR3
5 unique J



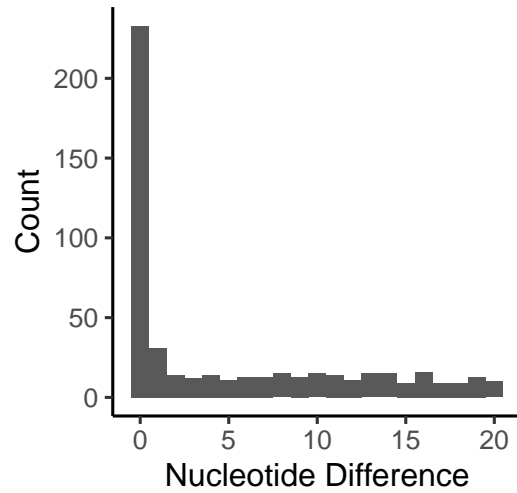
IGHV3-23*01

3745 sequences assigned
1469 (39.2%) exact matches, in which:
1461 unique CDR3
7 unique J



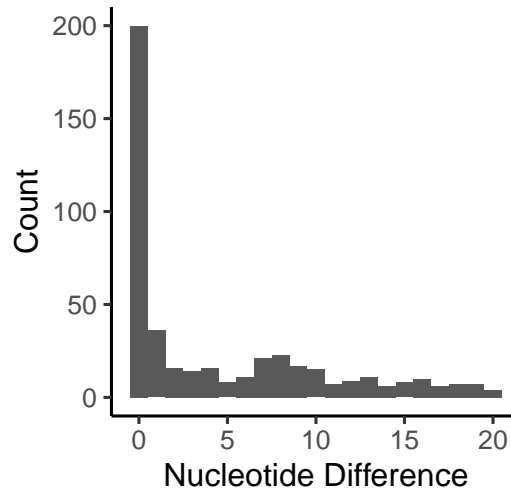
IGHV3-30-3*01

572 sequences assigned
233 (40.7%) exact matches, in which:
232 unique CDR3
6 unique J



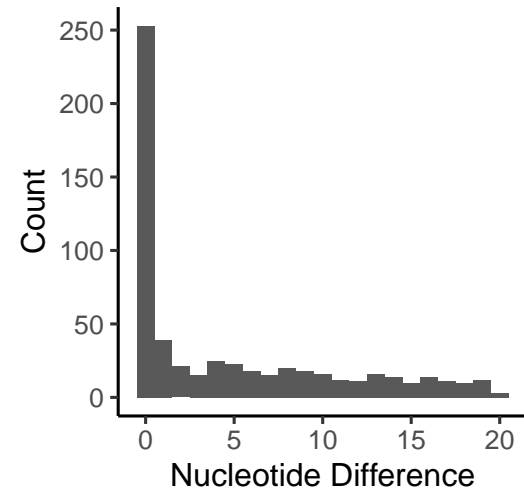
IGHV3-33*01

497 sequences assigned
200 (40.2%) exact matches, in which:
200 unique CDR3
7 unique J



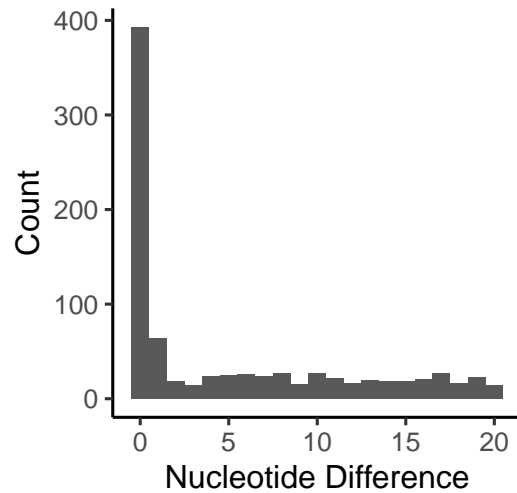
IGHV3-48*02

621 sequences assigned
253 (40.7%) exact matches, in which:
250 unique CDR3
6 unique J



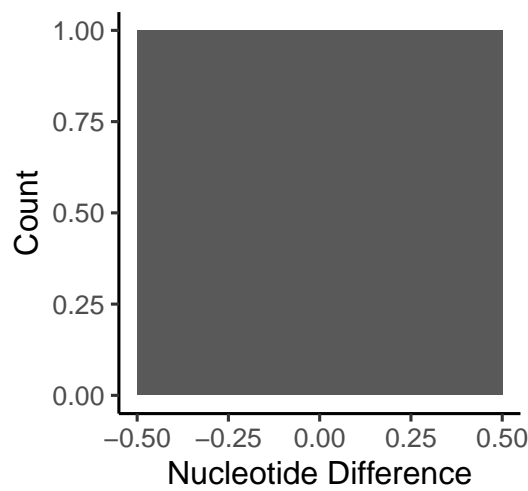
IGHV3-30*02

963 sequences assigned
393 (40.8%) exact matches, in which:
393 unique CDR3
7 unique J



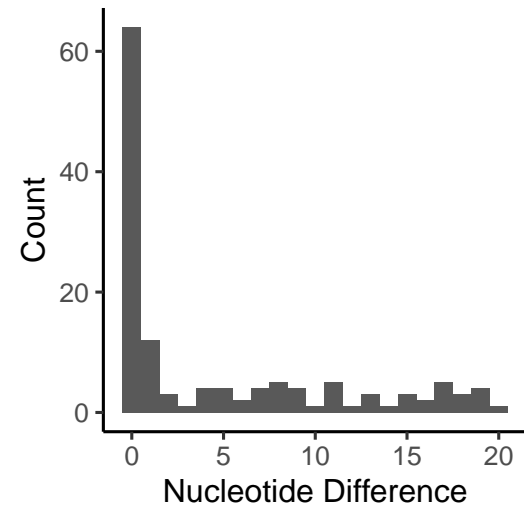
IGHV3-35*02

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



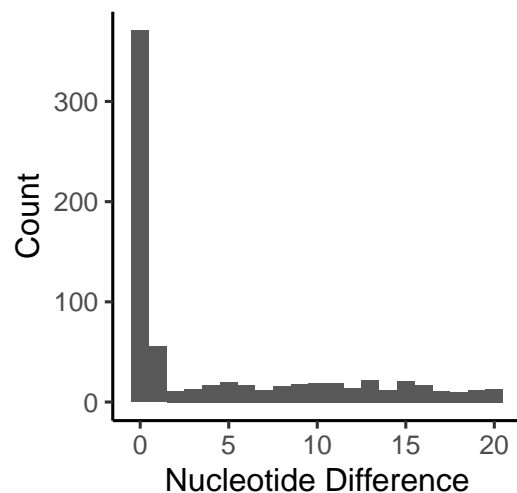
IGHV3-49*05

155 sequences assigned
64 (41.3%) exact matches, in which:
64 unique CDR3
7 unique J



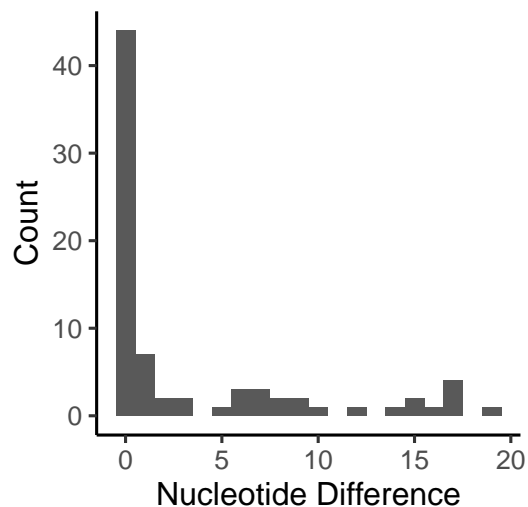
IGHV3-30*18

834 sequences assigned
371 (44.5%) exact matches, in which:
369 unique CDR3
7 unique J



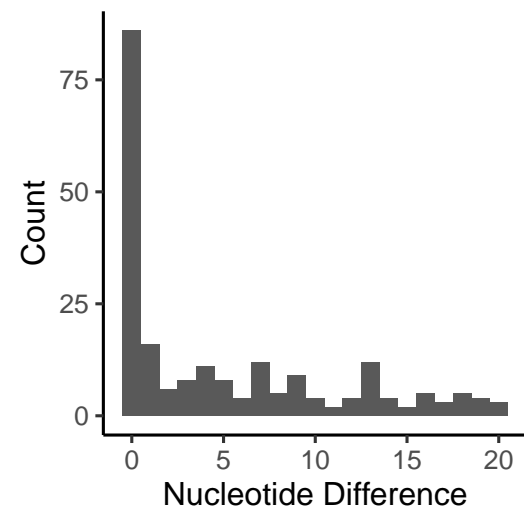
IGHV3-43*01

89 sequences assigned
44 (49.4%) exact matches, in which:
44 unique CDR3
6 unique J



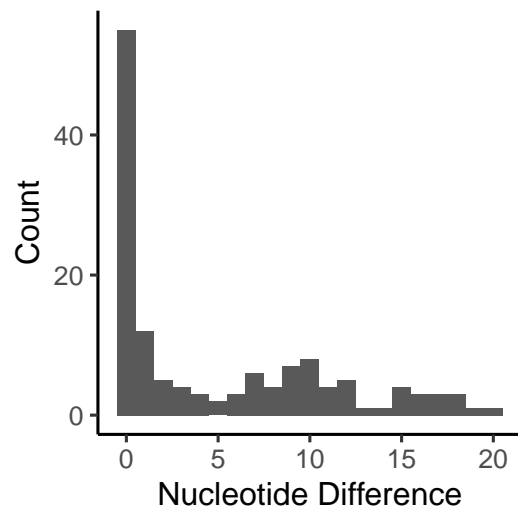
IGHV3-53*01

249 sequences assigned
86 (34.5%) exact matches, in which:
85 unique CDR3
6 unique J



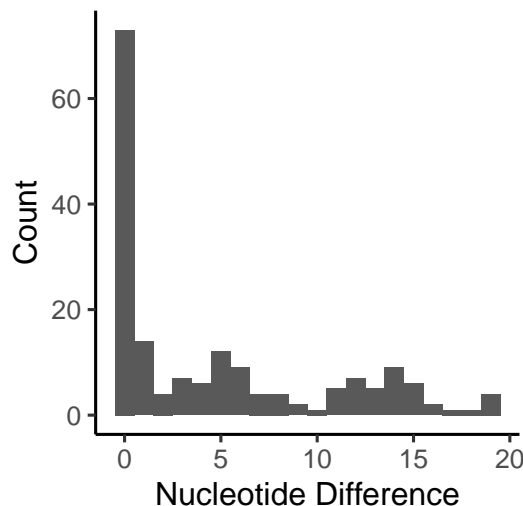
IGHV3-53*02

151 sequences assigned
55 (36.4%) exact matches, in which:
55 unique CDR3
5 unique J



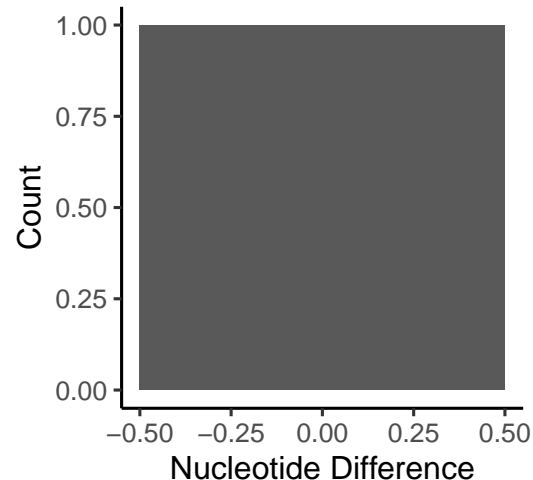
IGHV3-73*02

190 sequences assigned
73 (38.4%) exact matches, in which:
73 unique CDR3
6 unique J



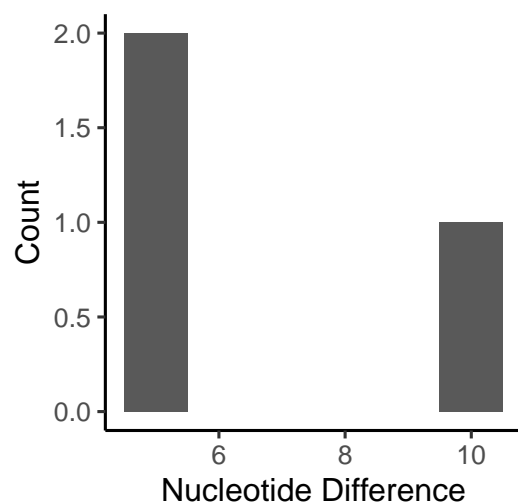
IGHV4-28*03

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



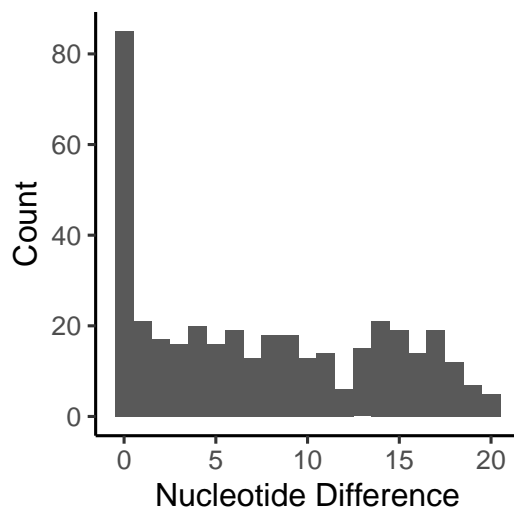
IGHV3-64*02

4 sequences assigned
No exact matches.



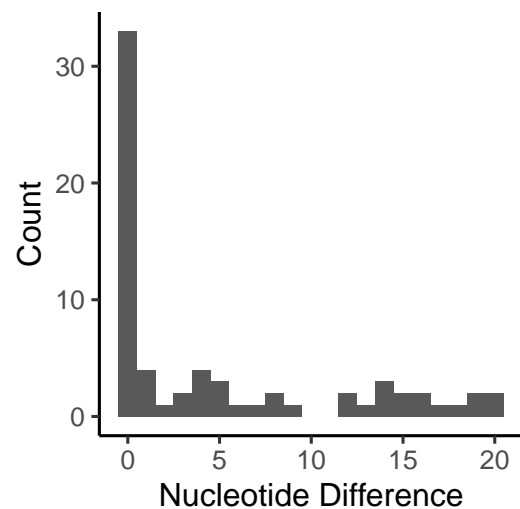
IGHV3-74*01

429 sequences assigned
85 (19.8%) exact matches, in which:
85 unique CDR3
6 unique J



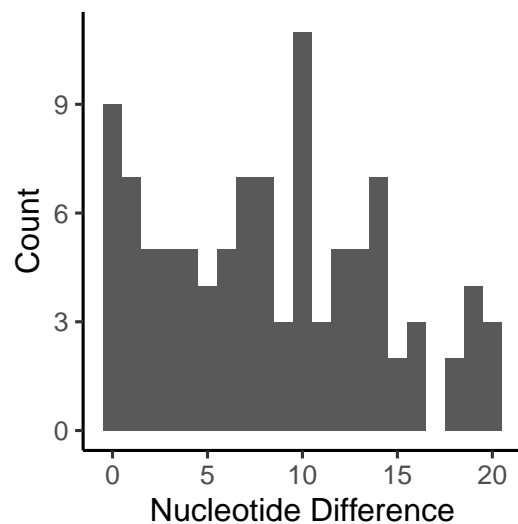
IGHV4-30-4*01

89 sequences assigned
33 (37.1%) exact matches, in which:
33 unique CDR3
5 unique J



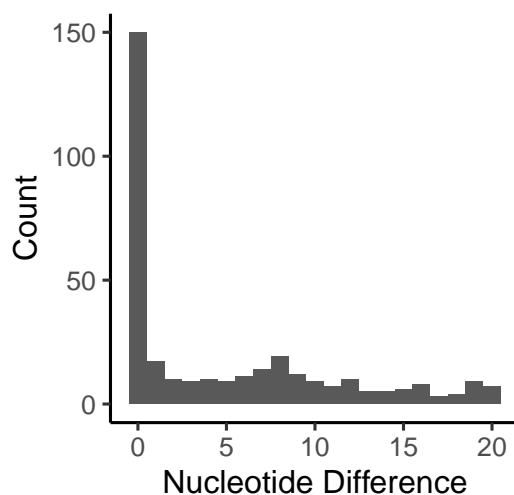
IGHV3-72*01

108 sequences assigned
9 (8.3%) exact matches, in which:
9 unique CDR3
5 unique J



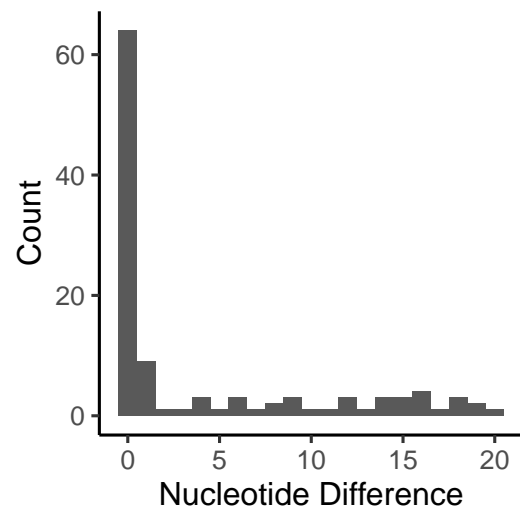
IGHV4-4*07

374 sequences assigned
150 (40.1%) exact matches, in which:
150 unique CDR3
7 unique J



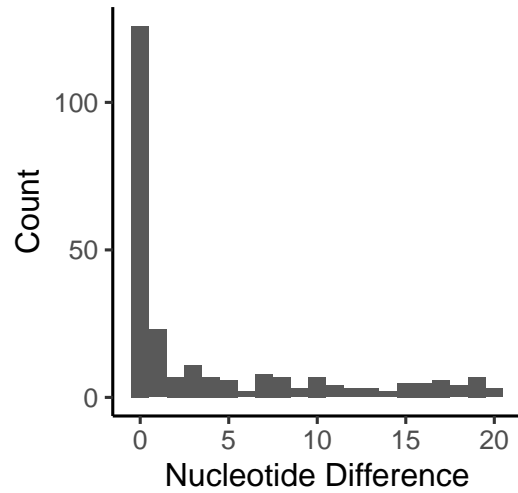
IGHV4-30-2*01

124 sequences assigned
64 (51.6%) exact matches, in which:
64 unique CDR3
6 unique J



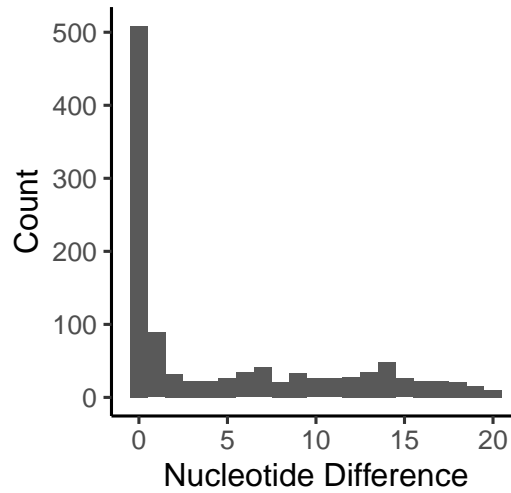
IGHV4-31*03

271 sequences assigned
126 (46.5%) exact matches, in which:
126 unique CDR3
6 unique J



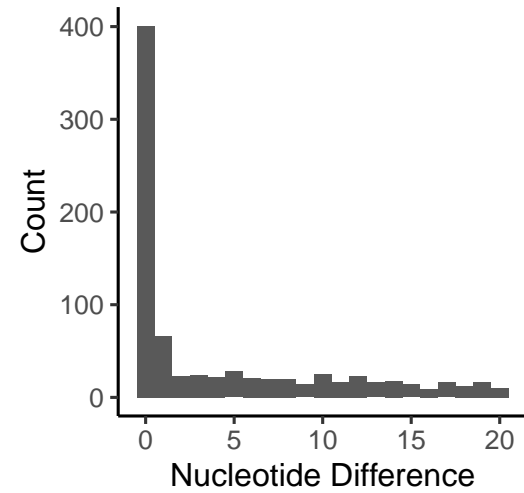
IGHV4-39*01

1309 sequences assigned
509 (38.9%) exact matches, in which:
507 unique CDR3
7 unique J



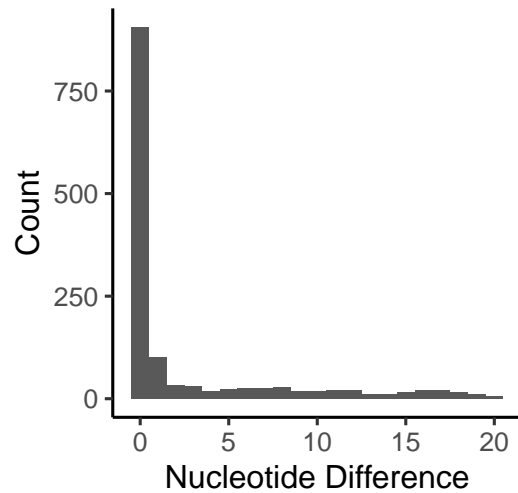
IGHV5-51*01

881 sequences assigned
401 (45.5%) exact matches, in which:
398 unique CDR3
7 unique J



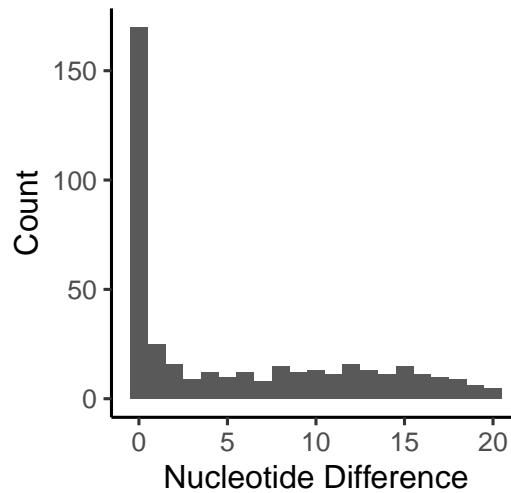
IGHV4-34*01

1505 sequences assigned
906 (60.2%) exact matches, in which:
903 unique CDR3
7 unique J



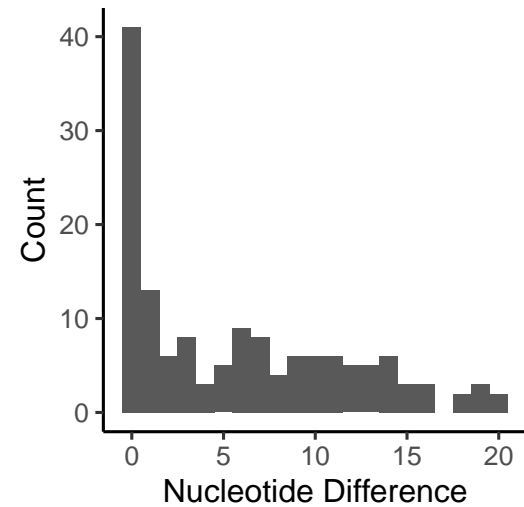
IGHV4-59*01

475 sequences assigned
170 (35.8%) exact matches, in which:
170 unique CDR3
7 unique J



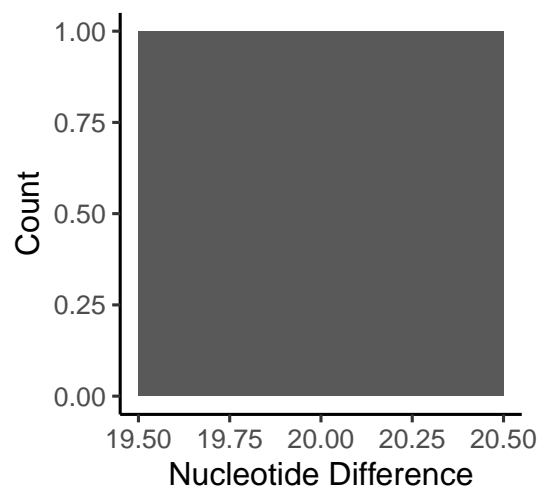
IGHV6-1*01

151 sequences assigned
41 (27.2%) exact matches, in which:
41 unique CDR3
7 unique J



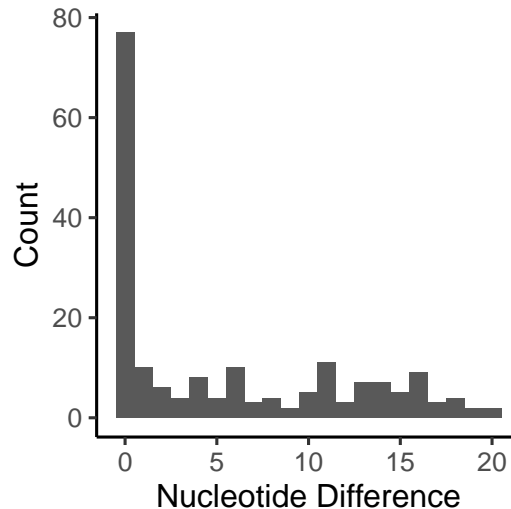
IGHV4-38-2*01

1 sequences assigned
No exact matches.

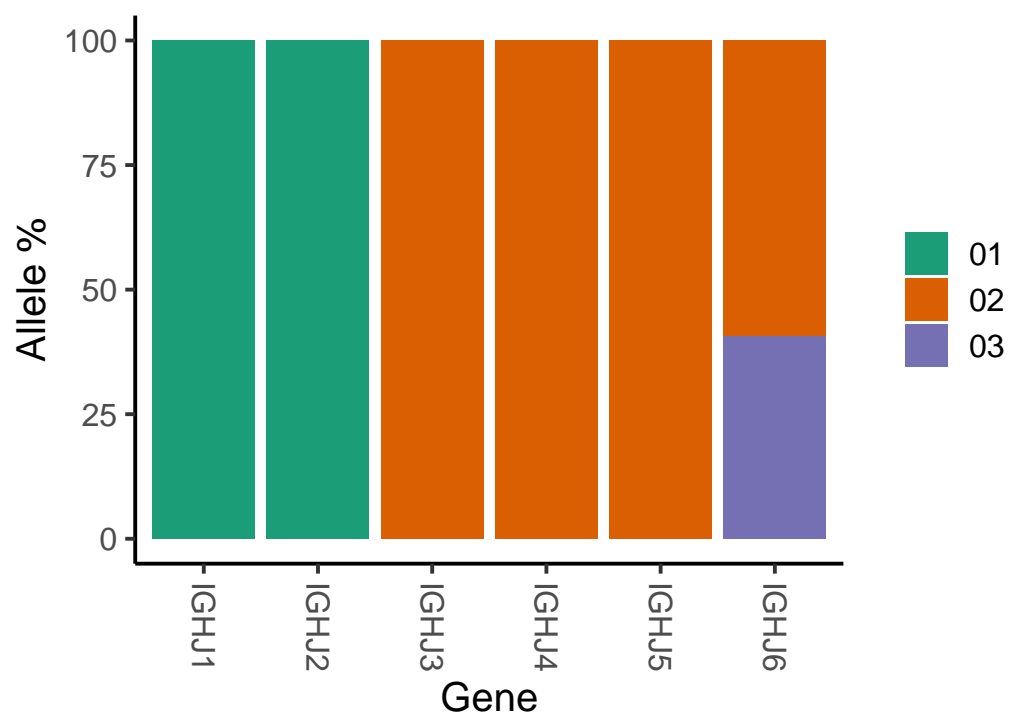


IGHV4-61*01

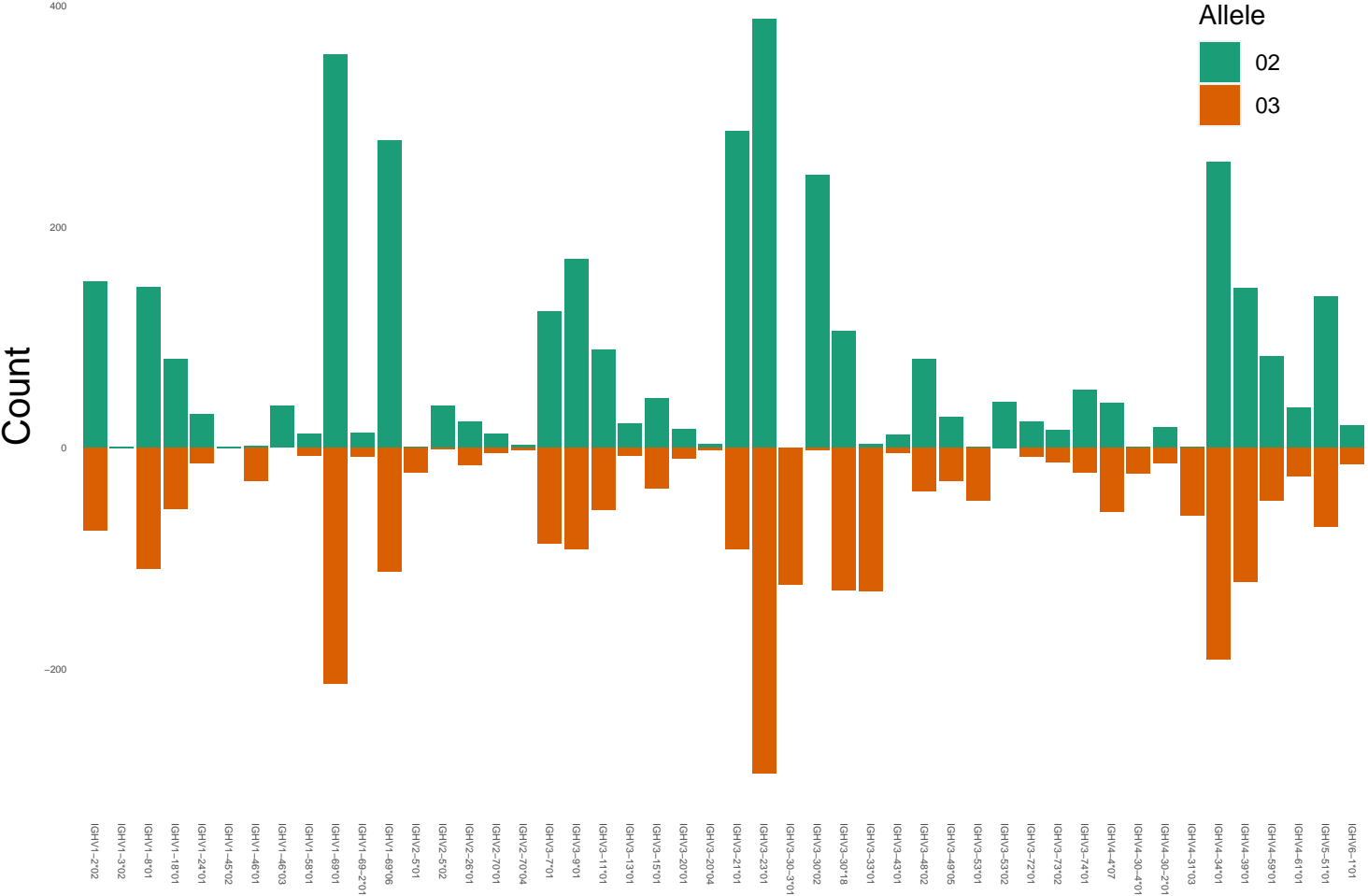
235 sequences assigned
77 (32.8%) exact matches, in which:
77 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.