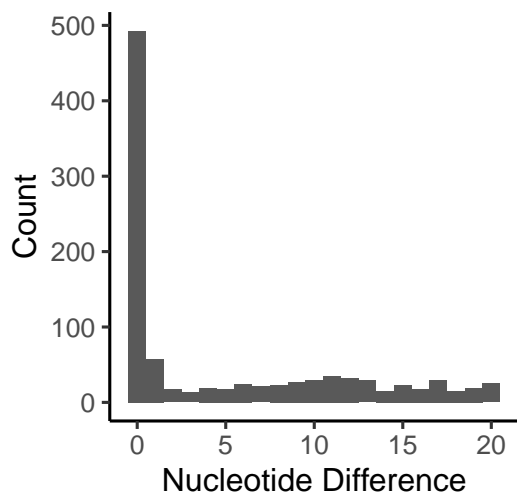


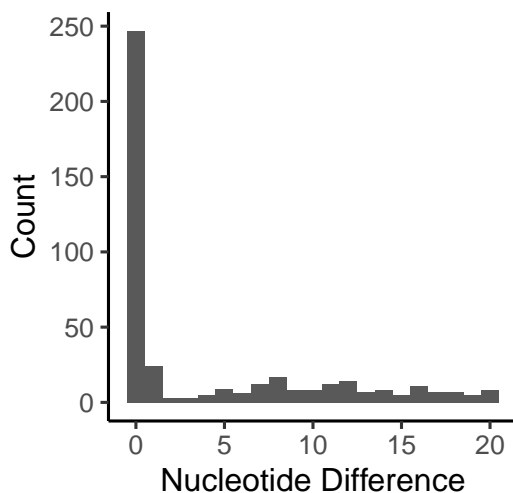
IGHV1-2*02

1160 sequences assigned
493 (42.5%) exact matches, in which:
491 unique CDR3
7 unique J



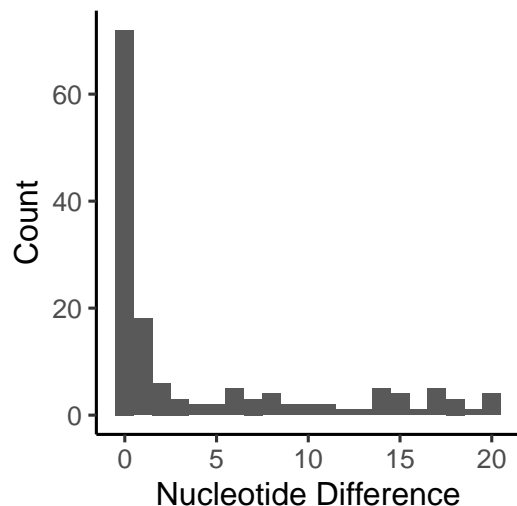
IGHV1-18*01

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



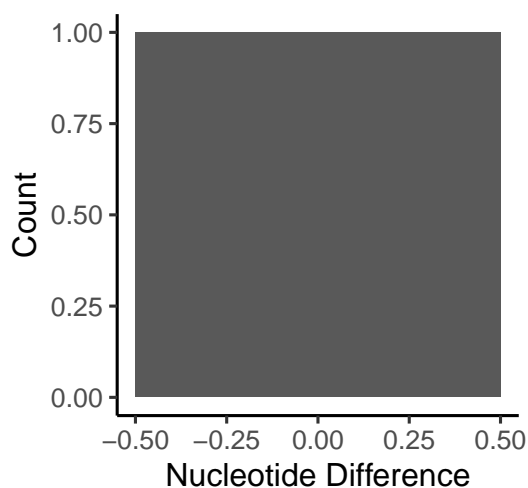
IGHV1-46*01

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



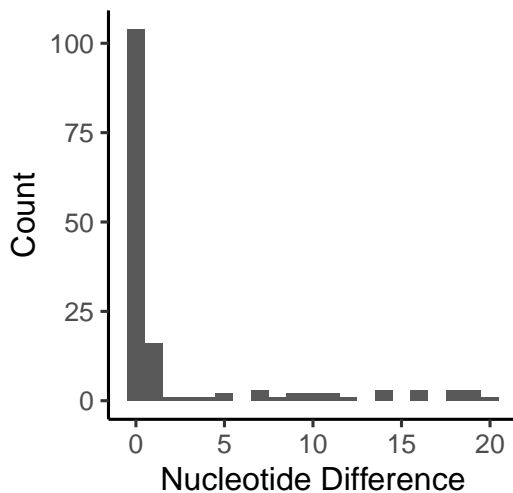
IGHV1-3*02

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



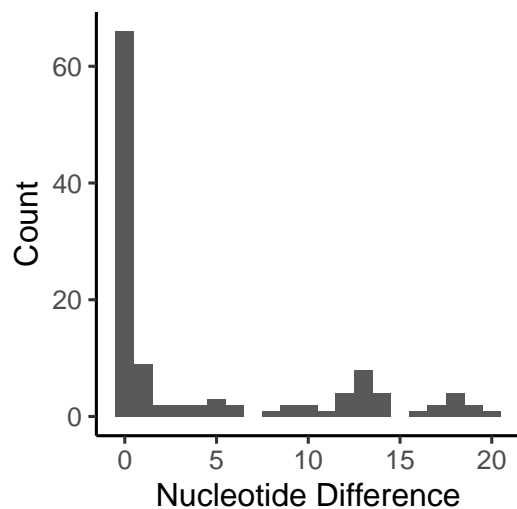
IGHV1-24*01

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



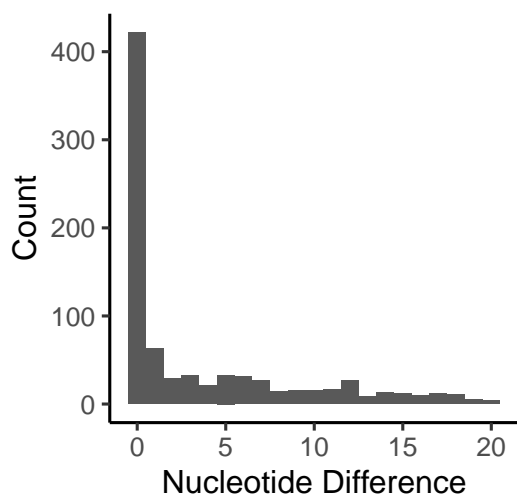
IGHV1-46*03

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



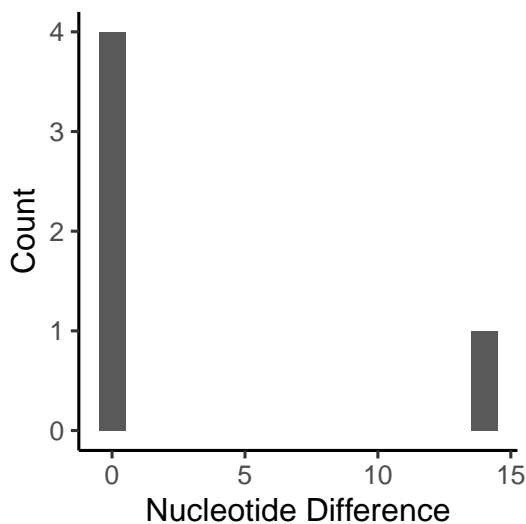
IGHV1-8*01

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



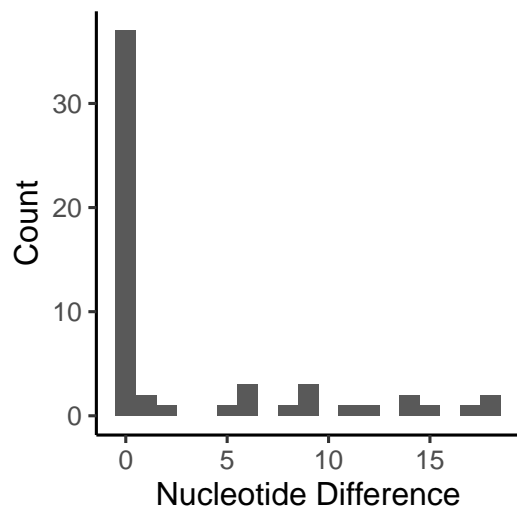
IGHV1-45*02

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



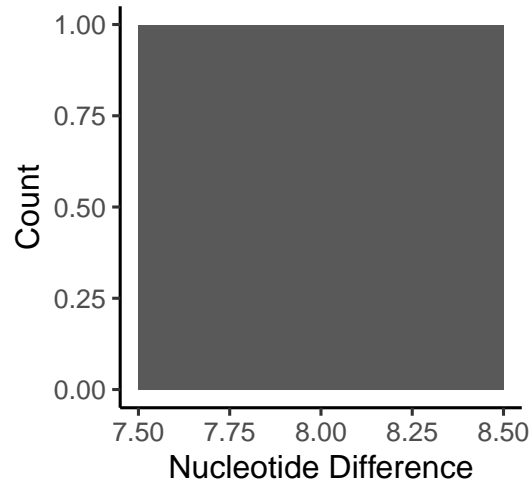
IGHV1-58*01

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



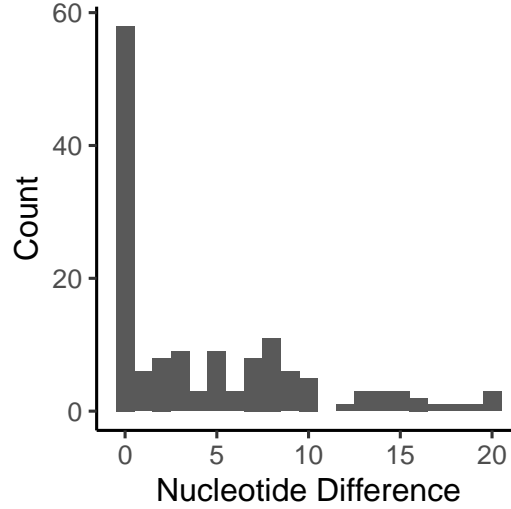
IGHV1-68*01

1 sequences assigned
No exact matches.



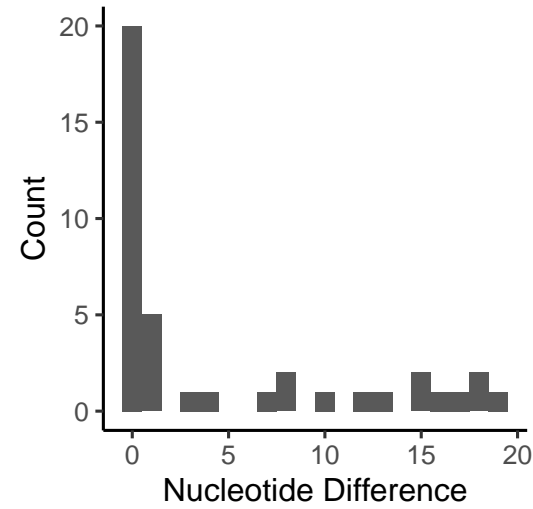
IGHV2-5*01

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



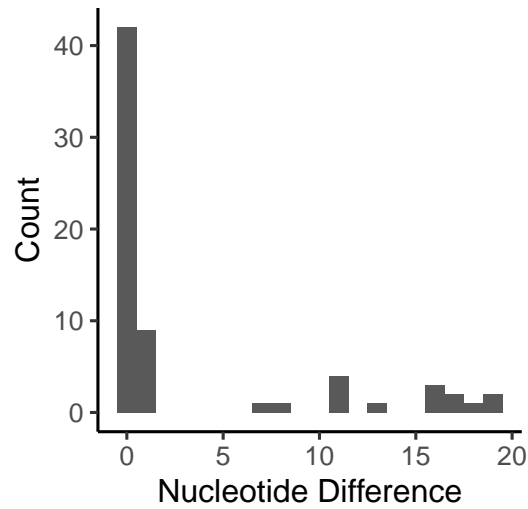
IGHV2-70*01

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



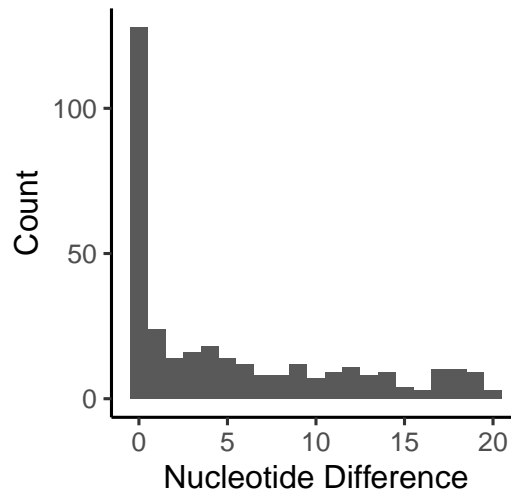
IGHV1-69-2*01

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



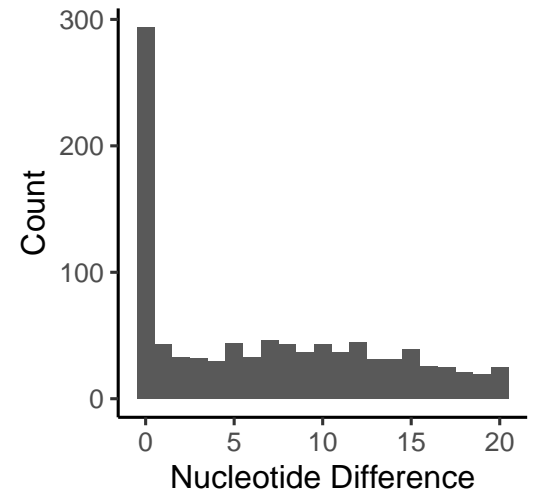
IGHV2-5*02

363 sequences assigned
128 (35.3%) exact matches, in which:
128 unique CDR3
7 unique J



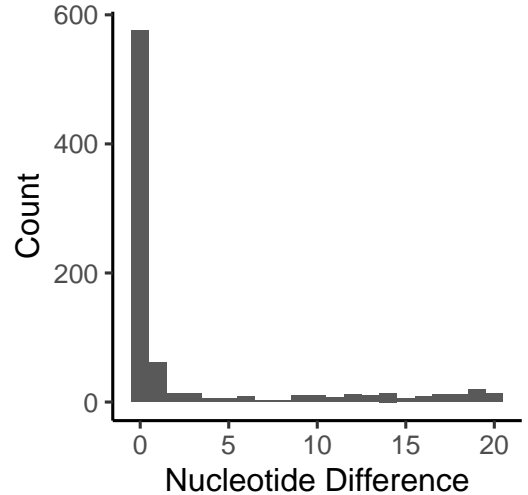
IGHV3-7*01

1056 sequences assigned
294 (27.8%) exact matches, in which:
292 unique CDR3
7 unique J



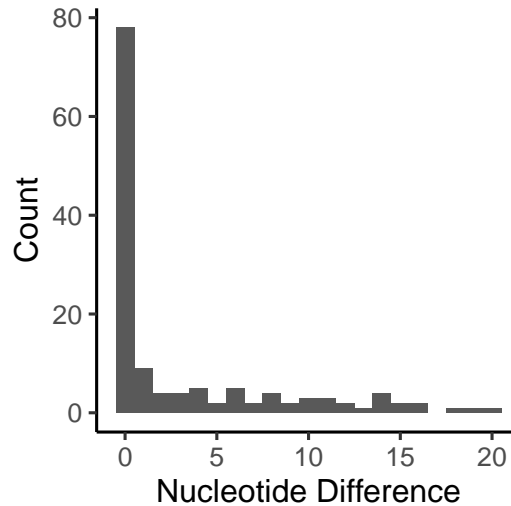
IGHV1-69*06

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



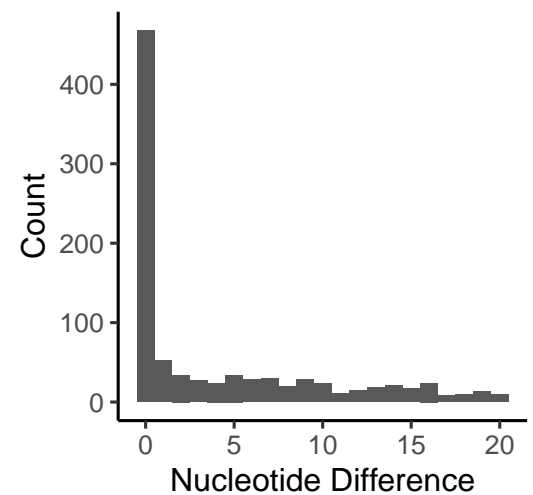
IGHV2-26*01

143 sequences assigned
78 (54.5%) exact matches, in which:
78 unique CDR3
7 unique J



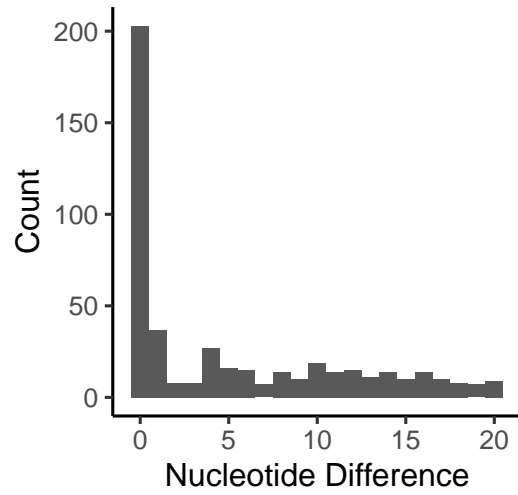
IGHV3-9*01

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



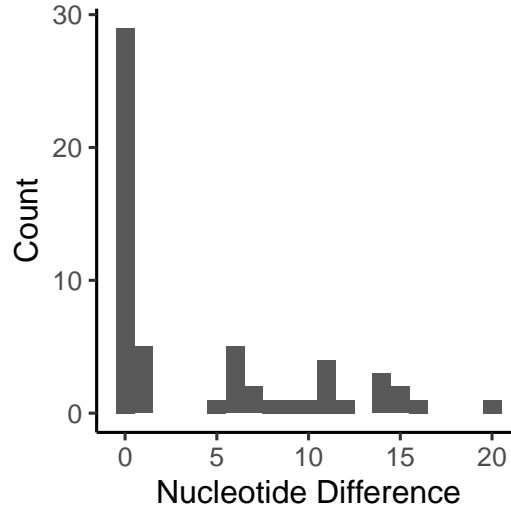
IGHV3-11*01

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



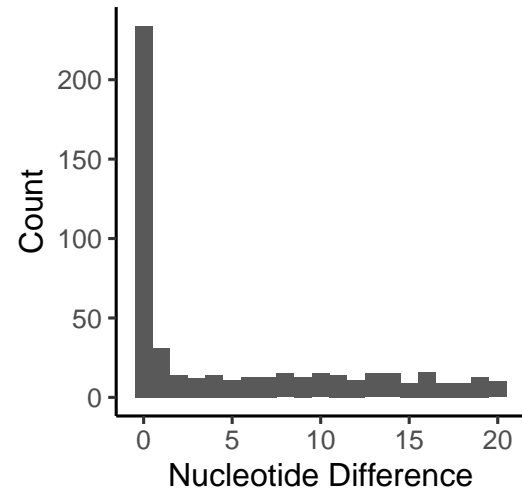
IGHV3-20*01

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



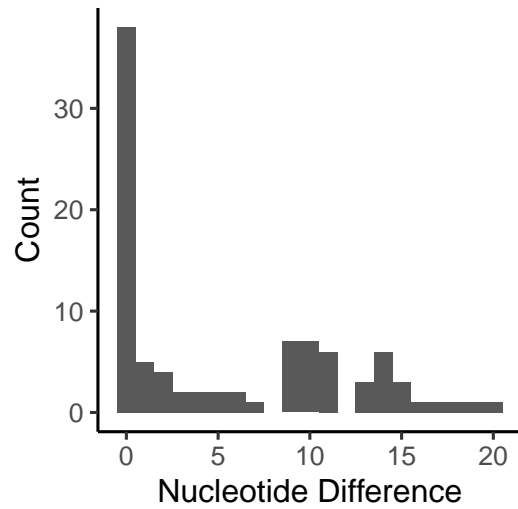
IGHV3-30-3*01

573 sequences assigned
234 (40.8%) exact matches, in which:
233 unique CDR3
6 unique J



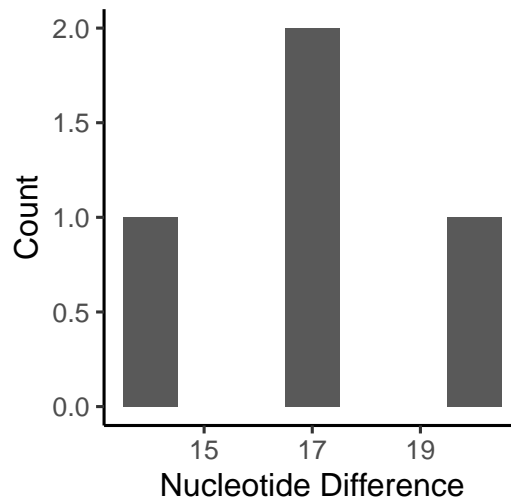
IGHV3-13*01

106 sequences assigned
38 (35.8%) exact matches, in which:
38 unique CDR3
6 unique J



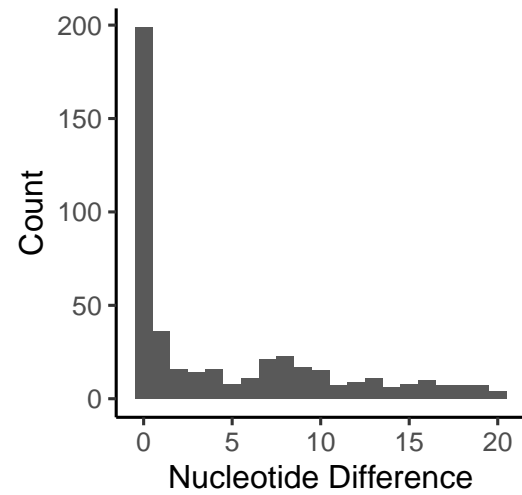
IGHV3-20*04

9 sequences assigned
No exact matches.



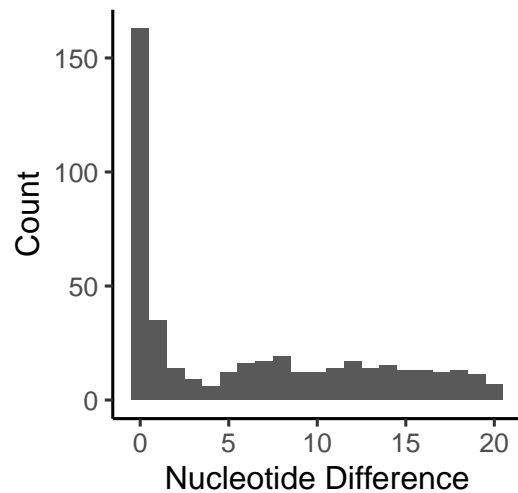
IGHV3-33*01

497 sequences assigned
199 (40%) exact matches, in which:
199 unique CDR3
7 unique J



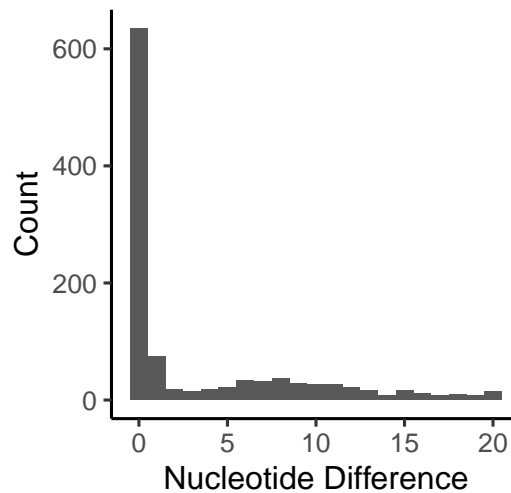
IGHV3-15*01

502 sequences assigned
163 (32.5%) exact matches, in which:
163 unique CDR3
7 unique J



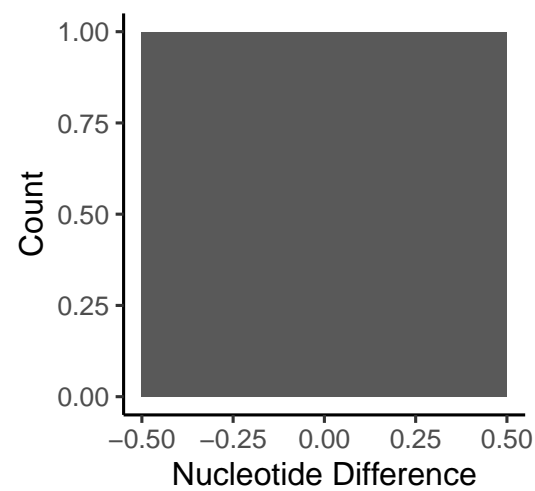
IGHV3-21*01

1141 sequences assigned
635 (55.7%) exact matches, in which:
629 unique CDR3
7 unique J



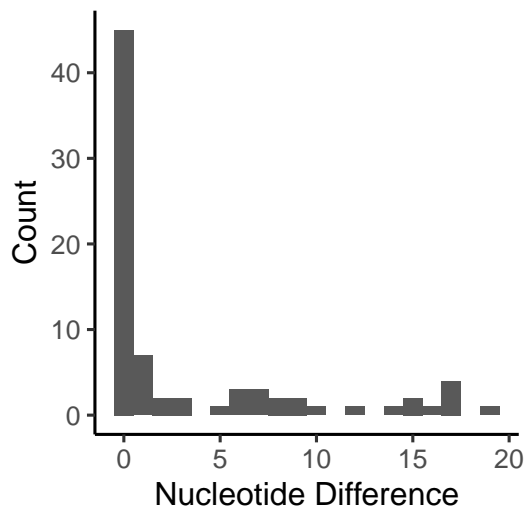
IGHV3-35*02

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



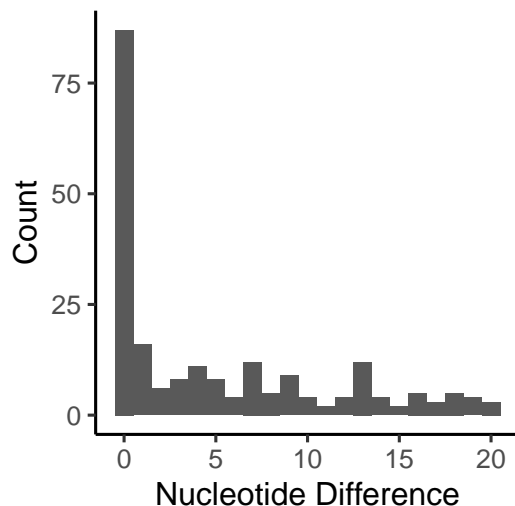
IGHV3-43*01

90 sequences assigned
45 (50%) exact matches, in which:
45 unique CDR3
6 unique J



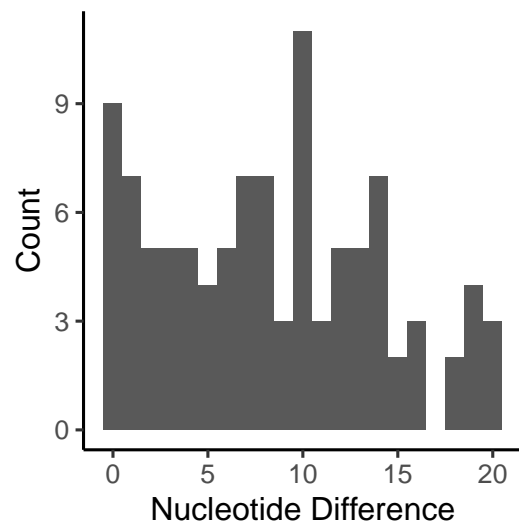
IGHV3-53*01

250 sequences assigned
87 (34.8%) exact matches, in which:
86 unique CDR3
6 unique J



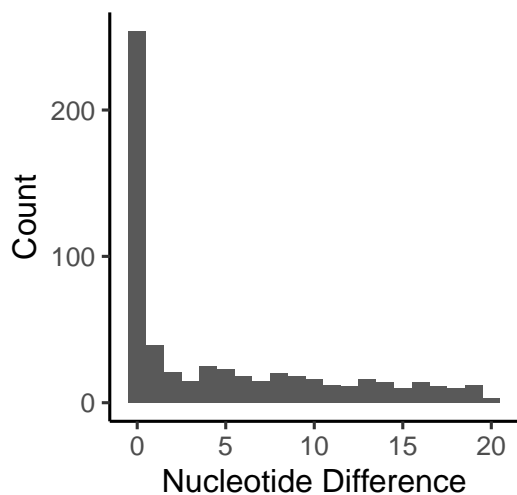
IGHV3-72*01

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



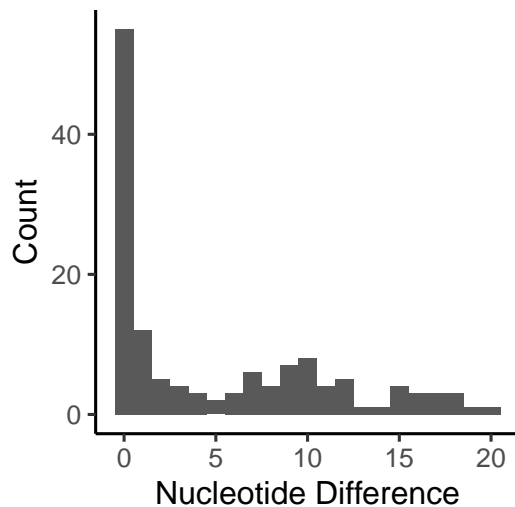
IGHV3-48*02

622 sequences assigned
254 (40.8%) exact matches, in which:
251 unique CDR3
6 unique J



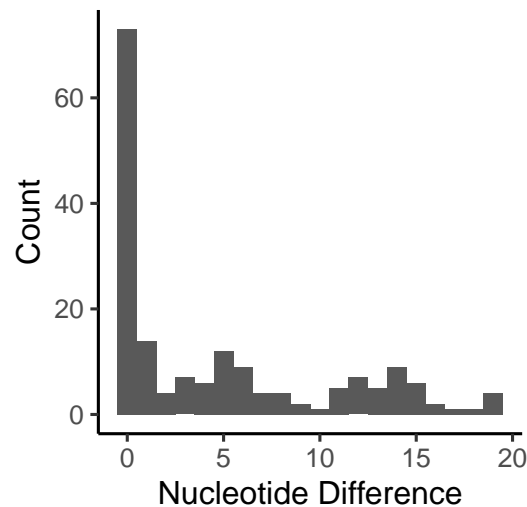
IGHV3-53*02

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



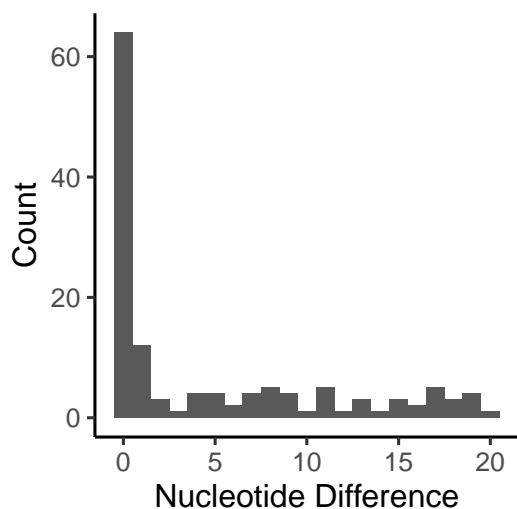
IGHV3-73*02

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



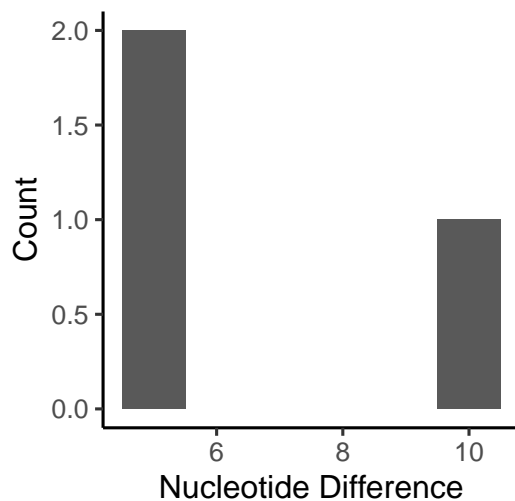
IGHV3-49*05

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



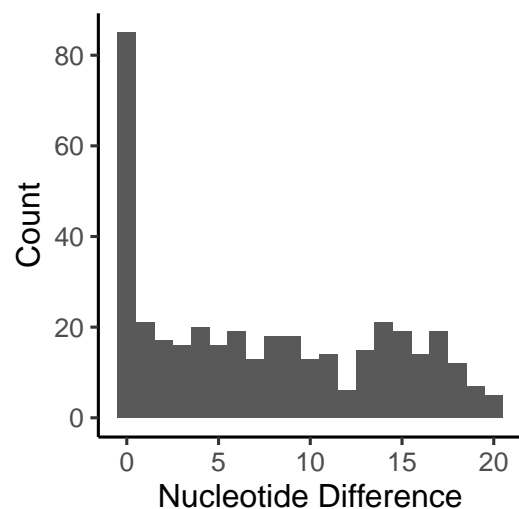
IGHV3-64*02

4 sequences assigned
No exact matches.



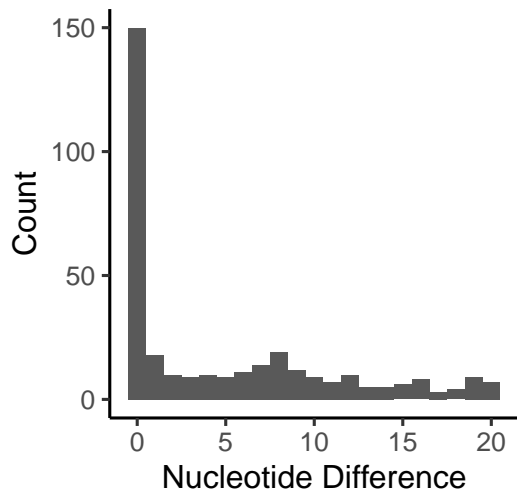
IGHV3-74*01

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



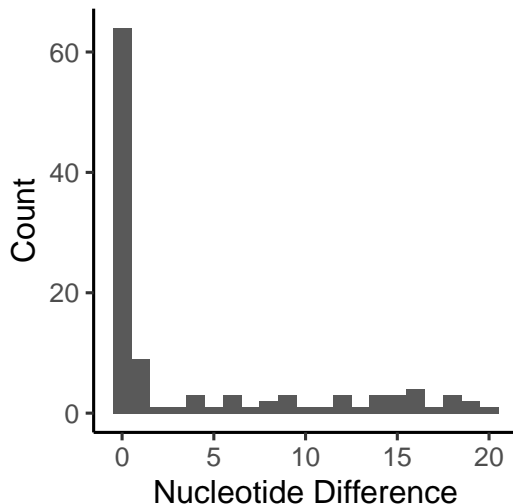
IGHV4-4*07

375 sequences assigned
150 (40%) exact matches, in which:
150 unique CDR3
7 unique J



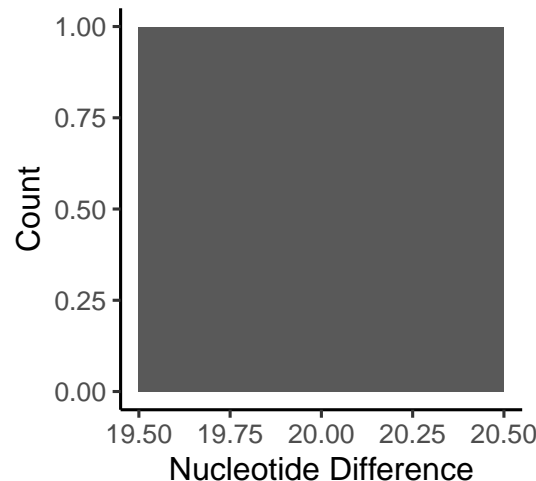
IGHV4-30-2*01

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



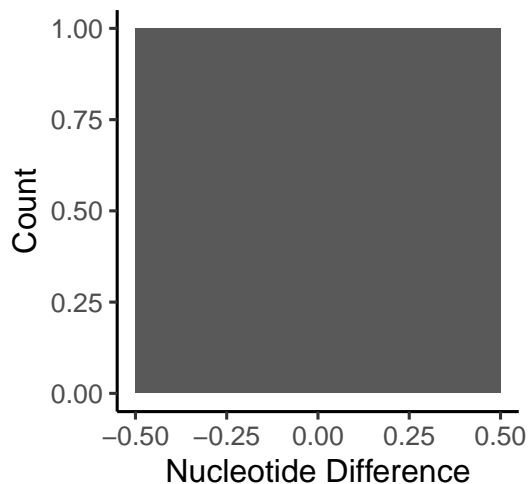
IGHV4-38-2*01

1 sequences assigned
No exact matches.



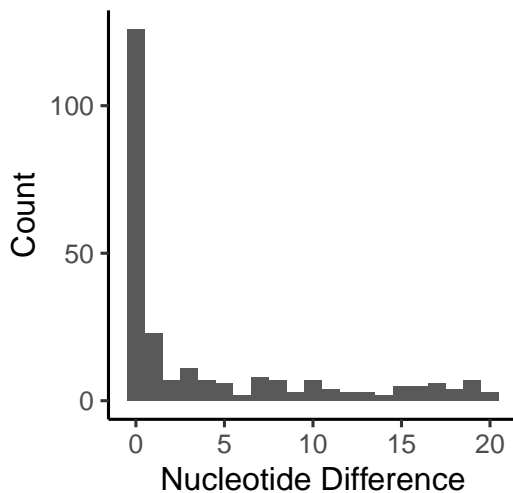
IGHV4-28*03

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



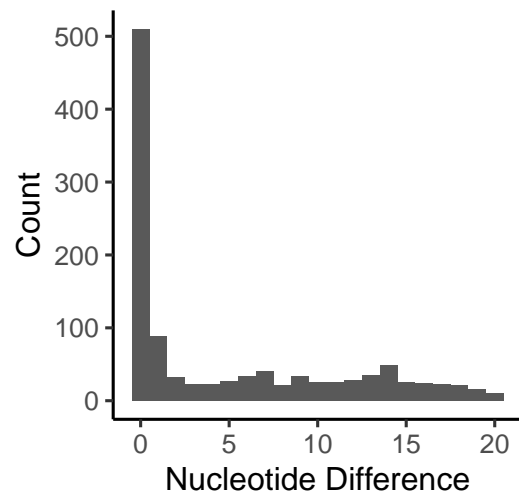
IGHV4-31*03

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



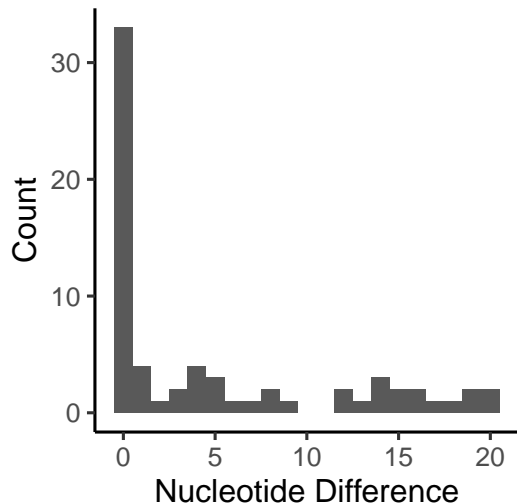
IGHV4-39*01

1311 sequences assigned
510 (38.9%) exact matches, in which:
508 unique CDR3
7 unique J



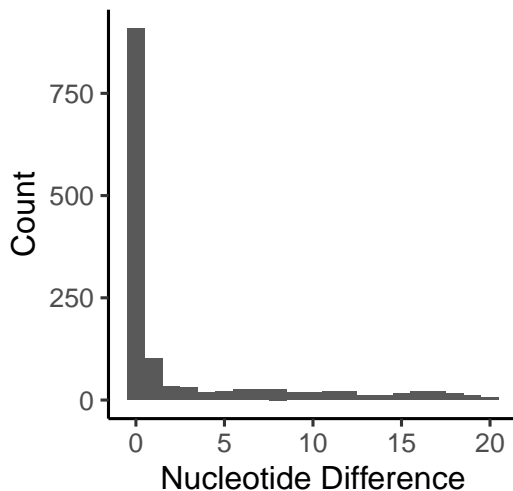
IGHV4-30-4*01

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



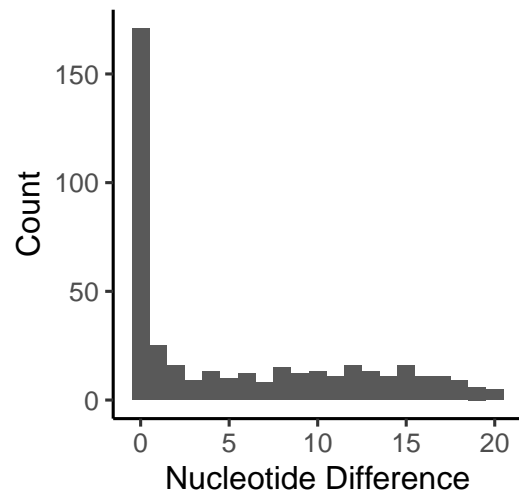
IGHV4-34*01

1509 sequences assigned
909 (60.2%) exact matches, in which:
906 unique CDR3
7 unique J



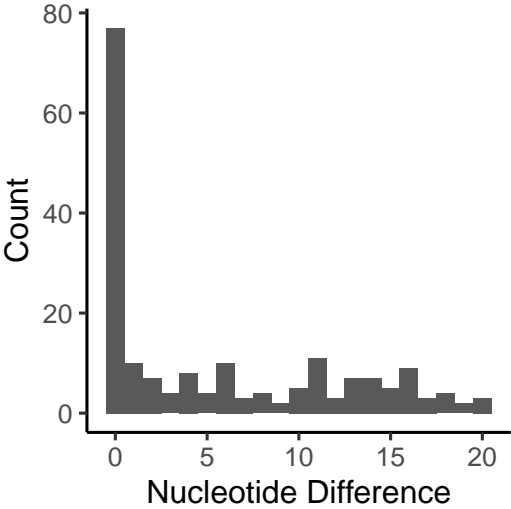
IGHV4-59*01

479 sequences assigned
171 (35.7%) exact matches, in which:
171 unique CDR3
7 unique J



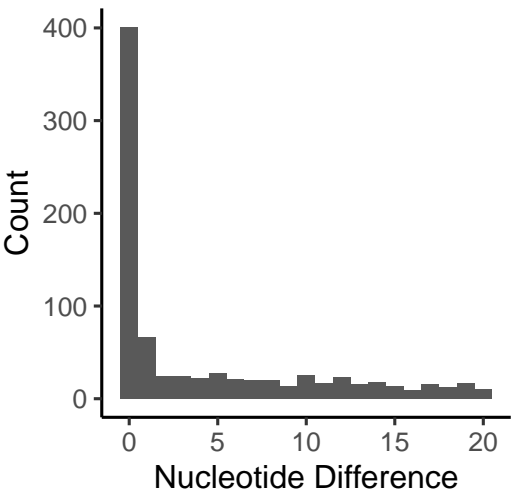
IGHV4-61*01

238 sequences assigned
77 (32.4%) exact matches, in which:
77 unique CDR3
6 unique J



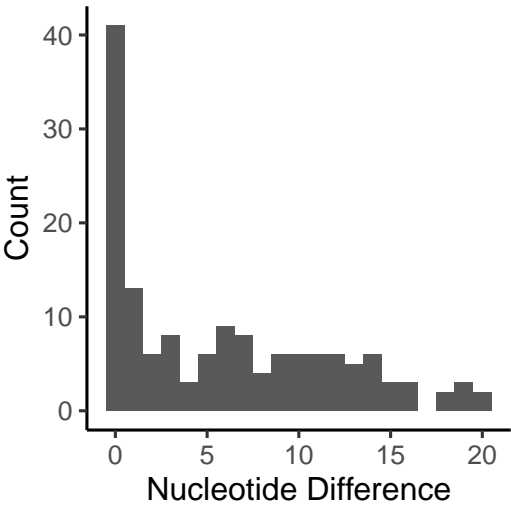
IGHV5-51*01

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

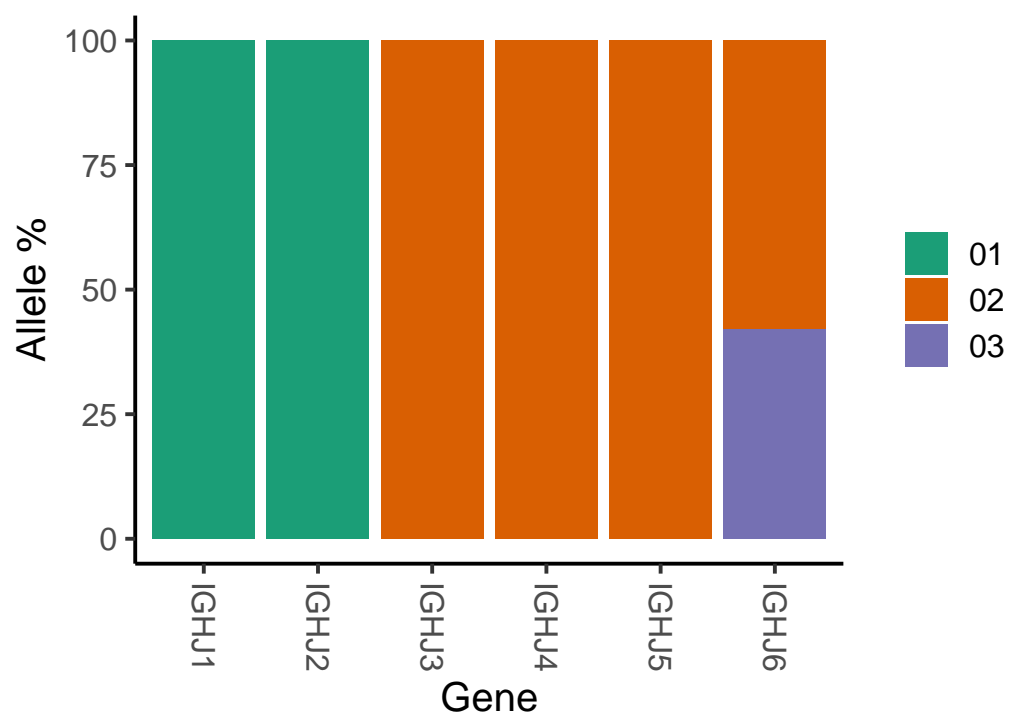


IGHV6-1*01

153 sequences assigned
41 (26.8%) exact matches, in which:
41 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage

