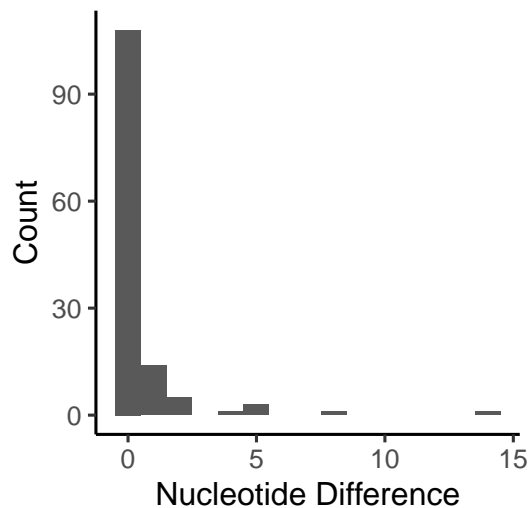


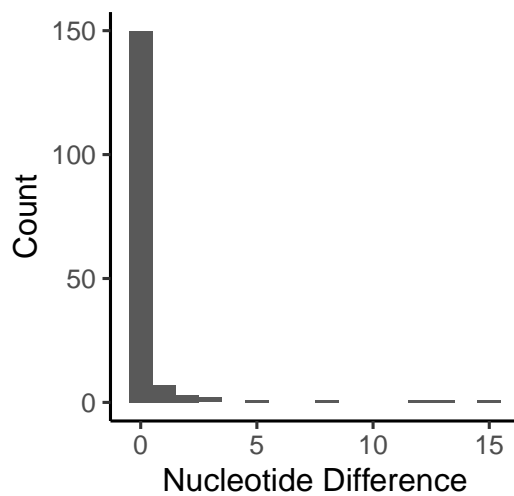
IGHV1-2*04

134 sequences assigned
108 (80.6%) exact matches, in which:
108 unique CDR3
7 unique J



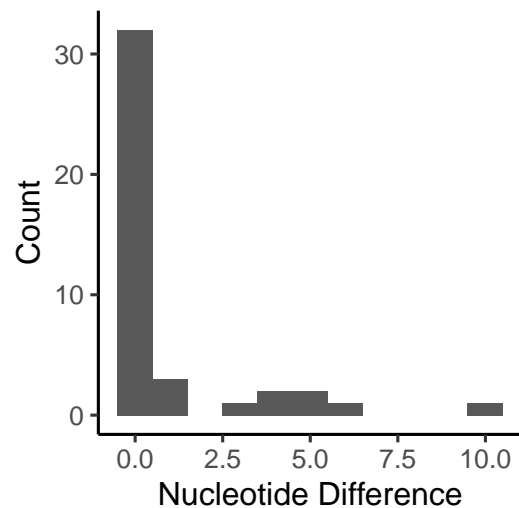
IGHV1-24*01

168 sequences assigned
150 (89.3%) exact matches, in which:
150 unique CDR3
7 unique J



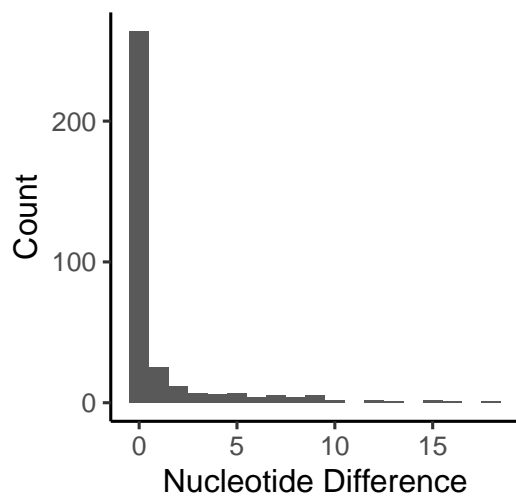
IGHV1-58*01

42 sequences assigned
32 (76.2%) exact matches, in which:
32 unique CDR3
6 unique J



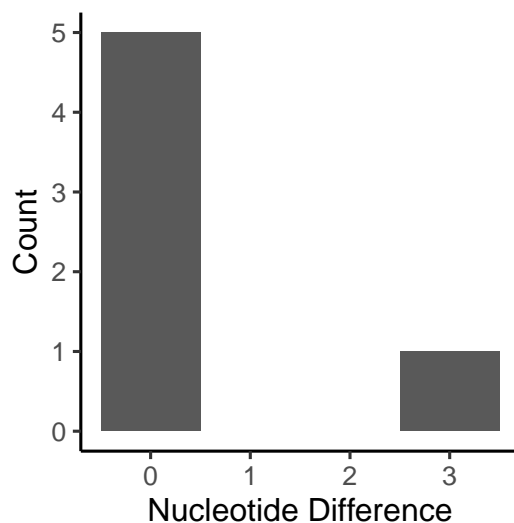
IGHV1-3*01

351 sequences assigned
264 (75.2%) exact matches, in which:
264 unique CDR3
6 unique J



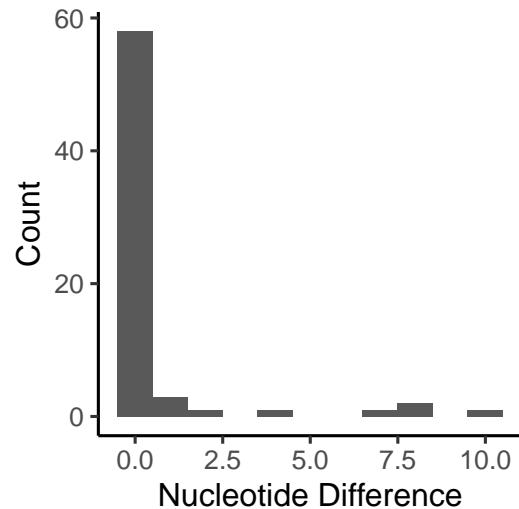
IGHV1-45*02

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
2 unique J



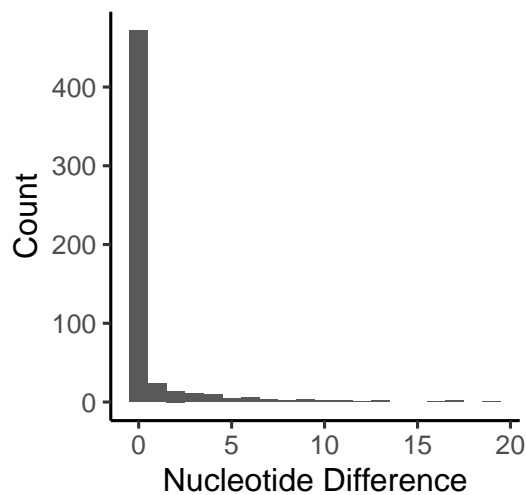
IGHV1-69-2*01

67 sequences assigned
58 (86.6%) exact matches, in which:
58 unique CDR3
6 unique J



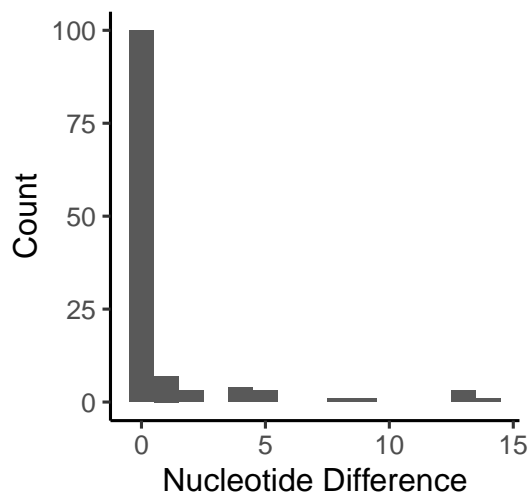
IGHV1-18*01

560 sequences assigned
472 (84.3%) exact matches, in which:
472 unique CDR3
7 unique J



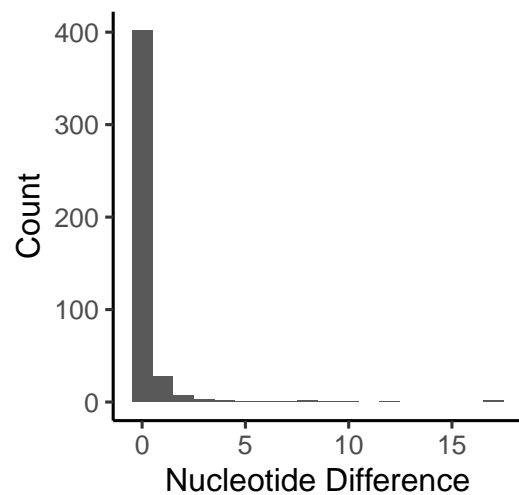
IGHV1-46*01

125 sequences assigned
100 (80%) exact matches, in which:
100 unique CDR3
7 unique J



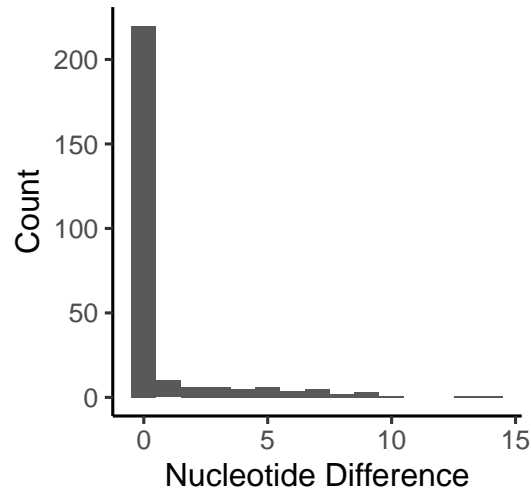
IGHV1-69*06

452 sequences assigned
402 (88.9%) exact matches, in which:
402 unique CDR3
7 unique J



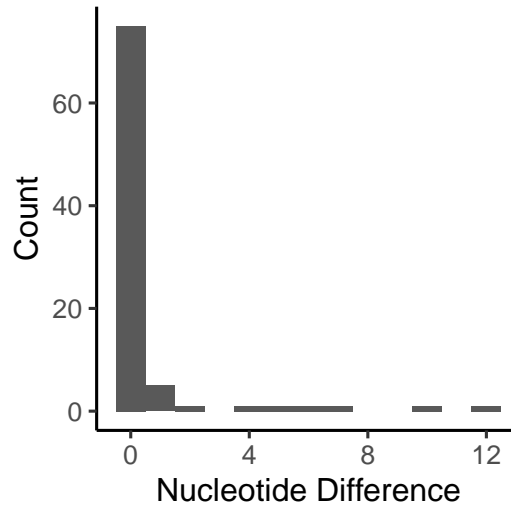
IGHV2-5*02

270 sequences assigned
220 (81.5%) exact matches, in which:
220 unique CDR3
7 unique J



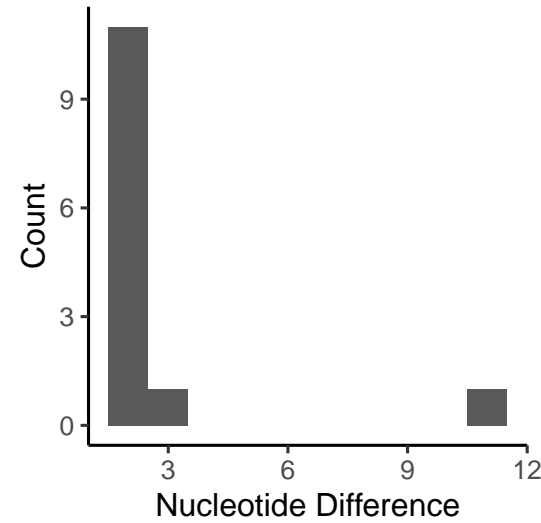
IGHV2-70*15

87 sequences assigned
75 (86.2%) exact matches, in which:
75 unique CDR3
6 unique J



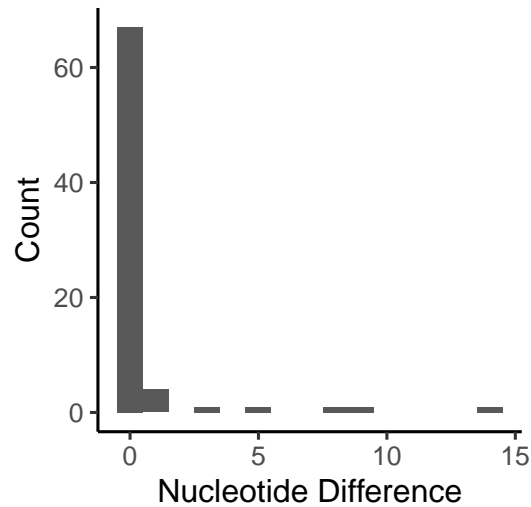
IGHV3-13*01

13 sequences assigned
No exact matches.



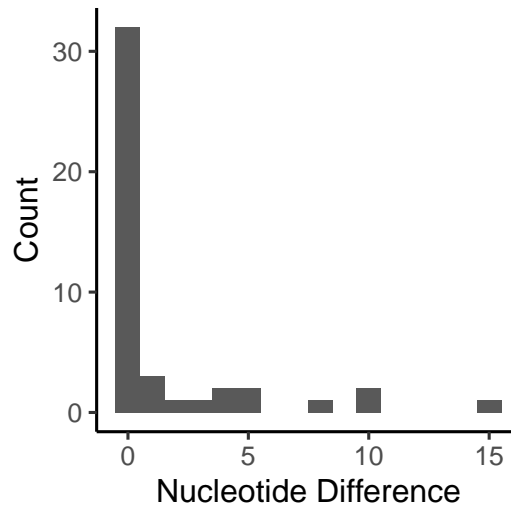
IGHV2-26*01

76 sequences assigned
67 (88.2%) exact matches, in which:
67 unique CDR3
7 unique J



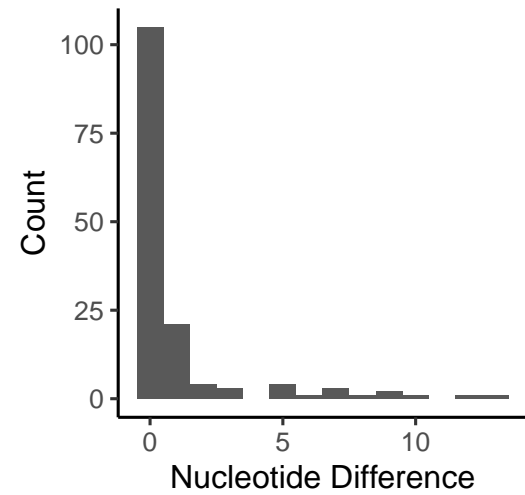
IGHV3-7*04

45 sequences assigned
32 (71.1%) exact matches, in which:
32 unique CDR3
6 unique J



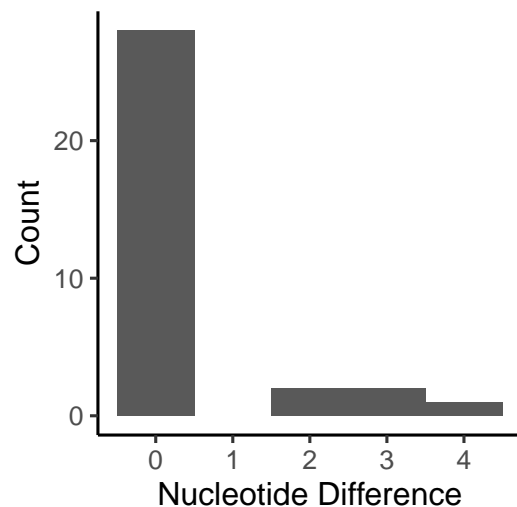
IGHV3-15*07

147 sequences assigned
105 (71.4%) exact matches, in which:
105 unique CDR3
7 unique J



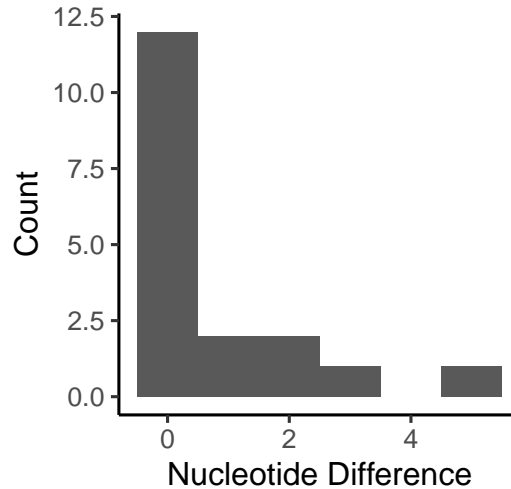
IGHV2-70*01

33 sequences assigned
28 (84.8%) exact matches, in which:
28 unique CDR3
4 unique J



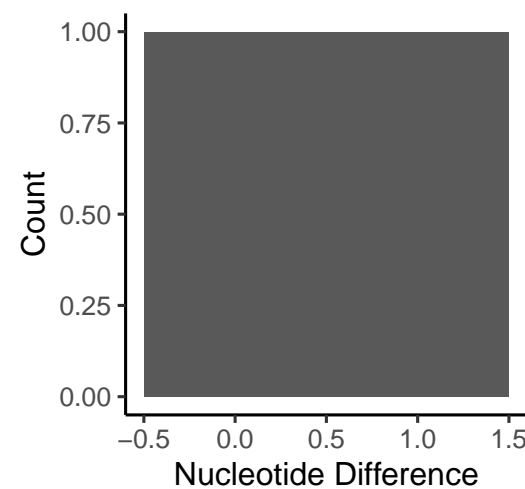
IGHV3-11*06

18 sequences assigned
12 (66.7%) exact matches, in which:
12 unique CDR3
5 unique J



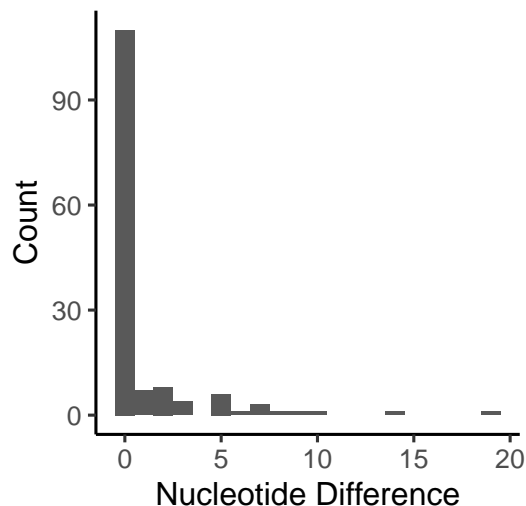
IGHV3-20*04

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



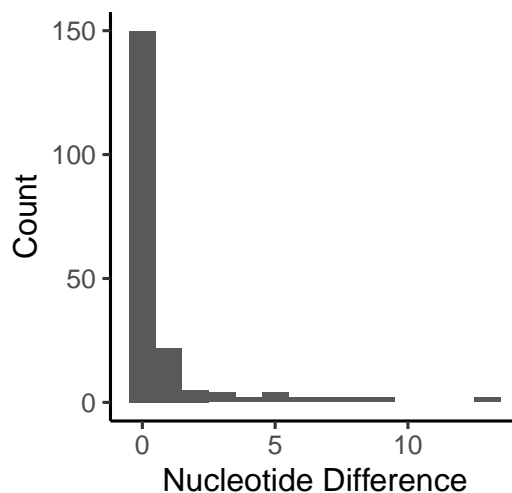
IGHV3-21*01

144 sequences assigned
110 (76.4%) exact matches, in which:
110 unique CDR3
6 unique J



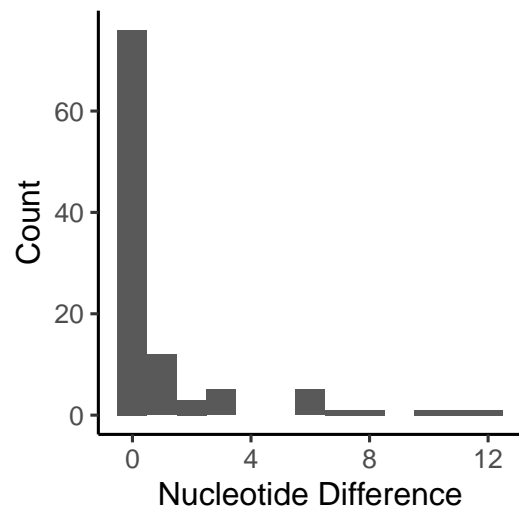
IGHV3-33*01

197 sequences assigned
150 (76.1%) exact matches, in which:
150 unique CDR3
7 unique J



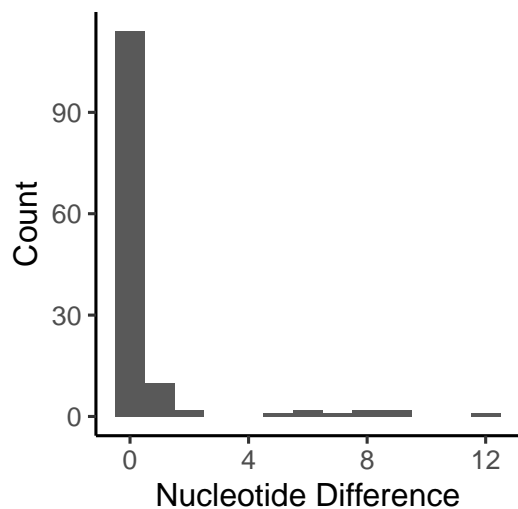
IGHV3-48*03

106 sequences assigned
76 (71.7%) exact matches, in which:
76 unique CDR3
5 unique J



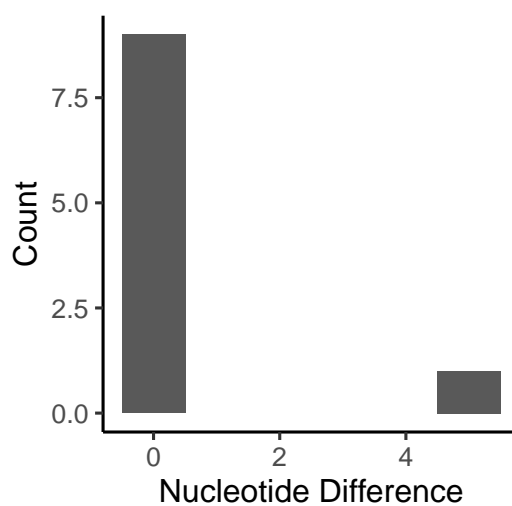
IGHV3-30-3*01

135 sequences assigned
114 (84.4%) exact matches, in which:
114 unique CDR3
5 unique J



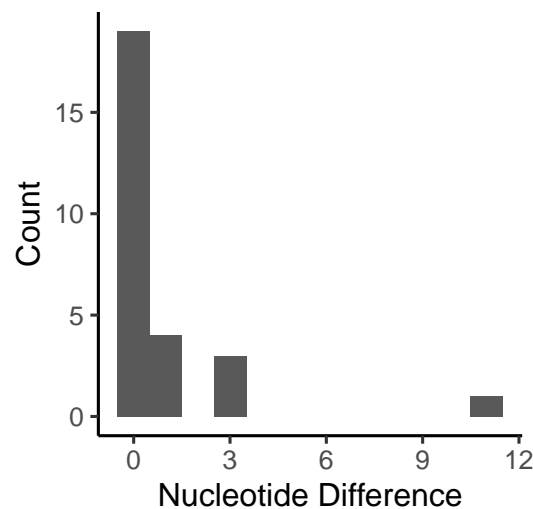
IGHV3-43*01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
4 unique J



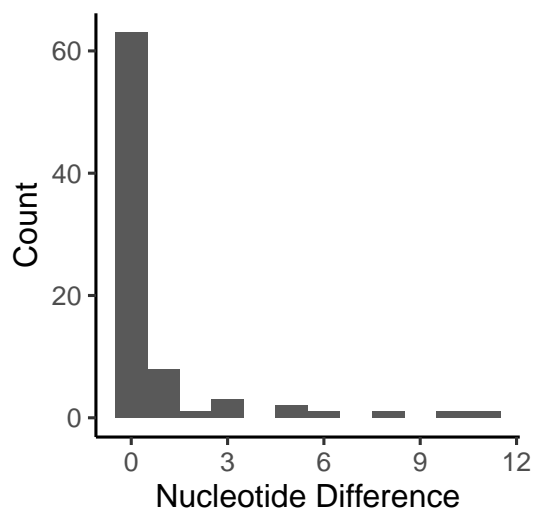
IGHV3-49*03

27 sequences assigned
19 (70.4%) exact matches, in which:
19 unique CDR3
6 unique J



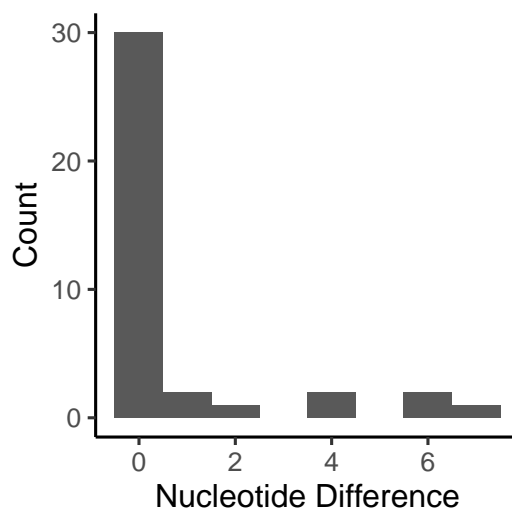
IGHV3-30*01

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



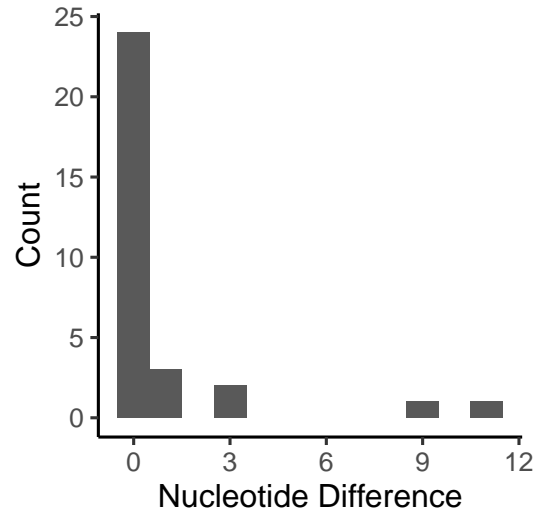
IGHV3-48*01

39 sequences assigned
30 (76.9%) exact matches, in which:
30 unique CDR3
5 unique J



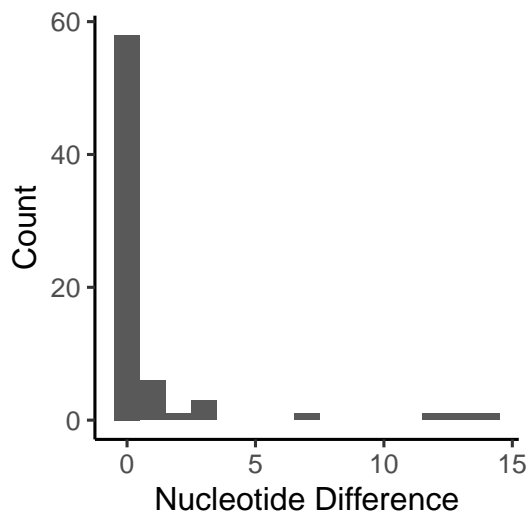
IGHV3-49*04

31 sequences assigned
24 (77.4%) exact matches, in which:
24 unique CDR3
3 unique J



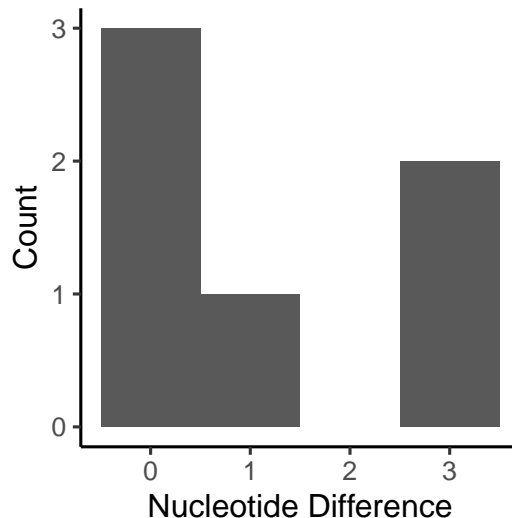
IGHV3-53*01

72 sequences assigned
58 (80.6%) exact matches, in which:
58 unique CDR3
6 unique J



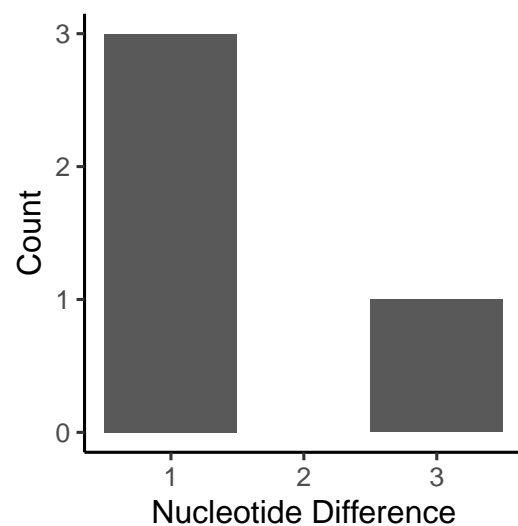
IGHV3-72*01

6 sequences assigned
3 (50%) exact matches, in which:
3 unique CDR3
1 unique J



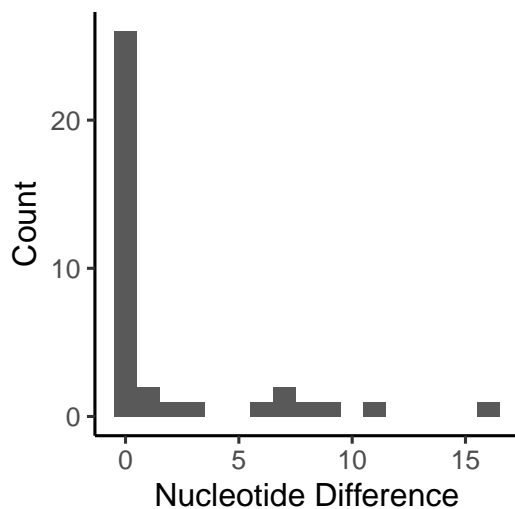
IGHV3-43D*04

4 sequences assigned
No exact matches.



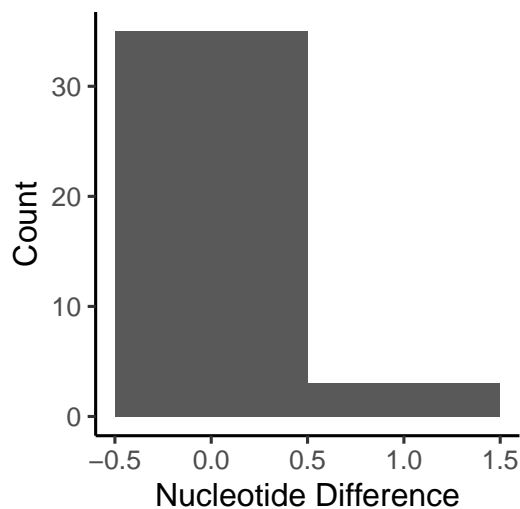
IGHV3-53*02

37 sequences assigned
26 (70.3%) exact matches, in which:
26 unique CDR3
3 unique J



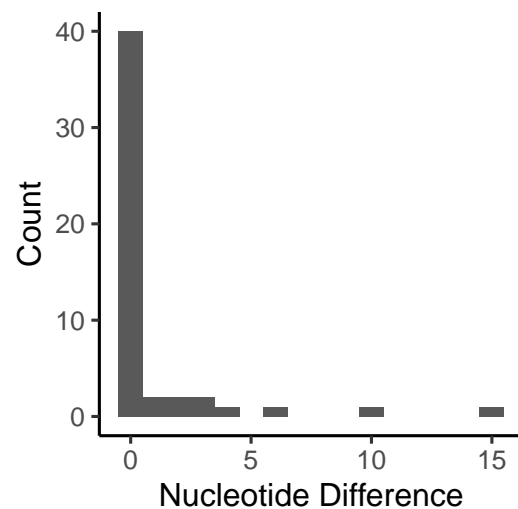
IGHV3-73*02

38 sequences assigned
35 (92.1%) exact matches, in which:
35 unique CDR3
6 unique J



IGHV3-64D*06

50 sequences assigned
40 (80%) exact matches, in which:
40 unique CDR3
6 unique J



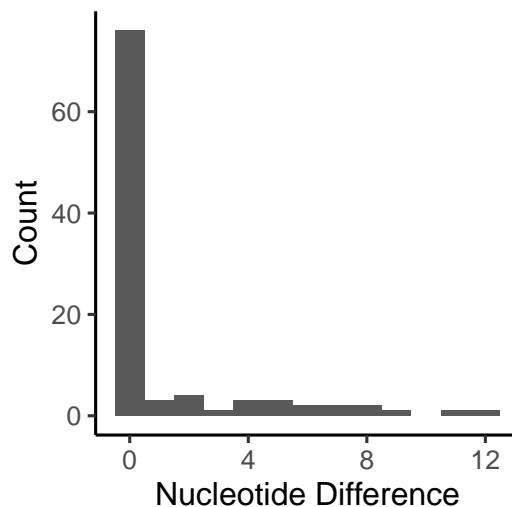
IGHV3-64*02

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



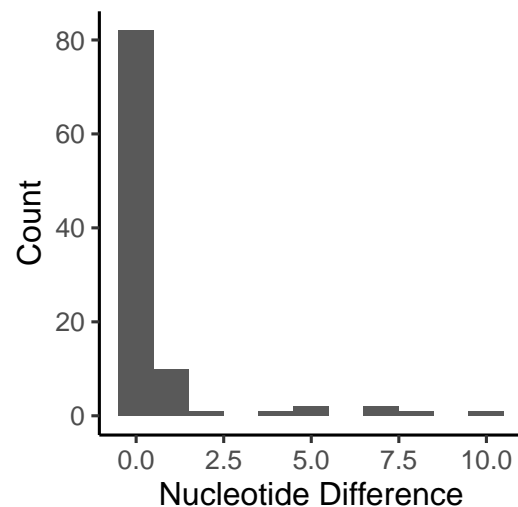
IGHV3-74*01

99 sequences assigned
76 (76.8%) exact matches, in which:
76 unique CDR3
5 unique J



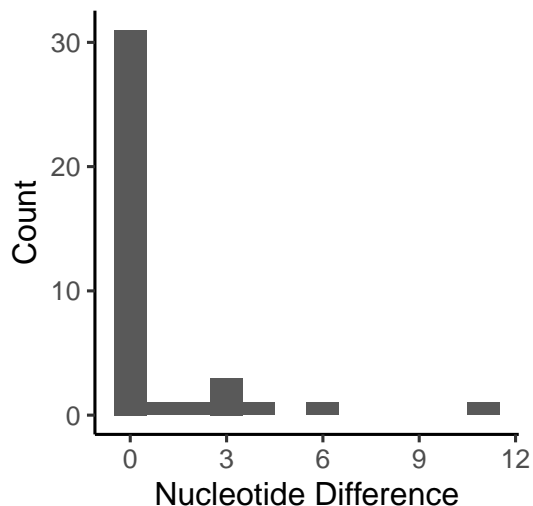
IGHV4-4*02

100 sequences assigned
82 (82%) exact matches, in which:
82 unique CDR3
7 unique J



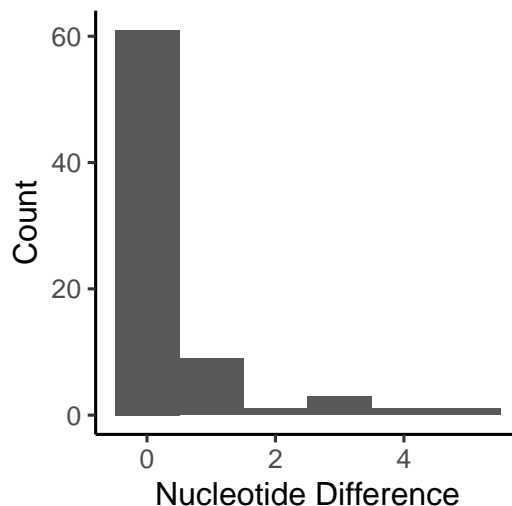
IGHV4-30-2*01

39 sequences assigned
31 (79.5%) exact matches, in which:
31 unique CDR3
4 unique J



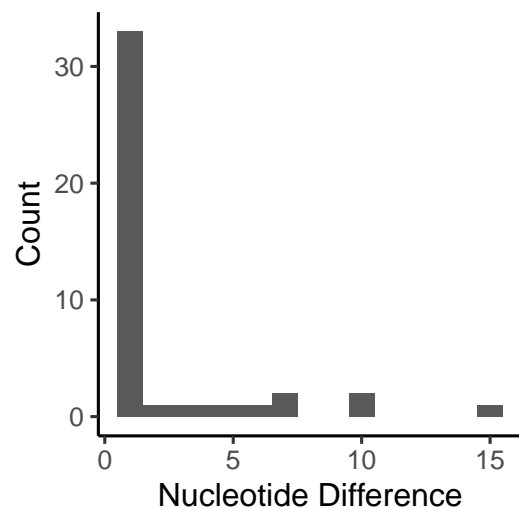
IGHV4-31*03

76 sequences assigned
61 (80.3%) exact matches, in which:
61 unique CDR3
6 unique J



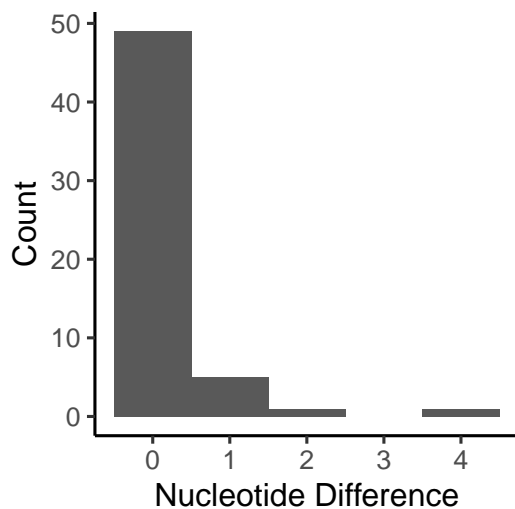
IGHV4-38-2*02

43 sequences assigned
No exact matches.



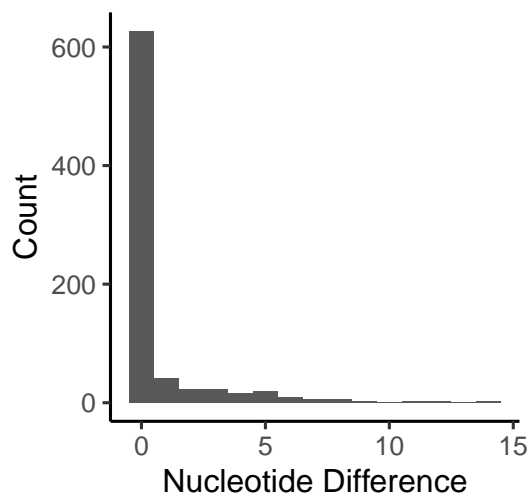
IGHV4-30-4*01

56 sequences assigned
49 (87.5%) exact matches, in which:
49 unique CDR3
6 unique J



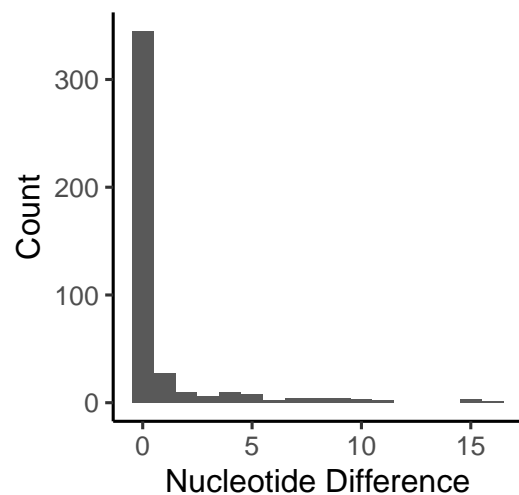
IGHV4-34*01

784 sequences assigned
627 (80%) exact matches, in which:
627 unique CDR3
7 unique J



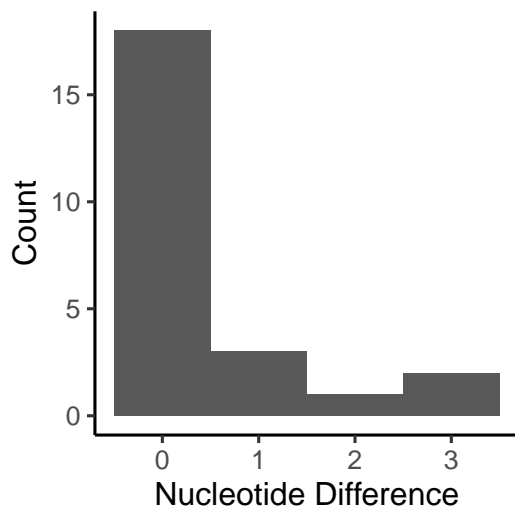
IGHV4-39*01

430 sequences assigned
345 (80.2%) exact matches, in which:
345 unique CDR3
7 unique J



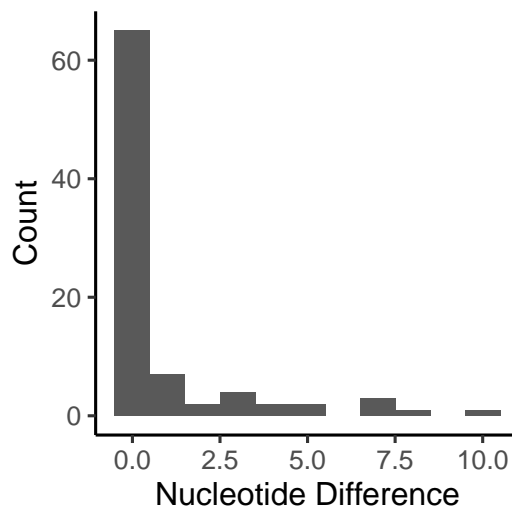
IGHV4-31*01

24 sequences assigned
18 (75%) exact matches, in which:
18 unique CDR3
5 unique J



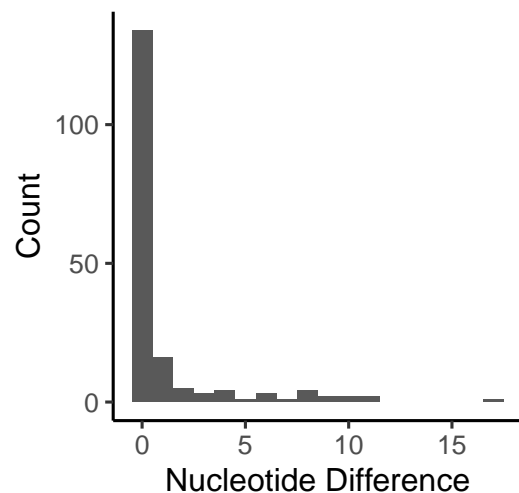
IGHV4-38-2*01

87 sequences assigned
65 (74.7%) exact matches, in which:
65 unique CDR3
6 unique J



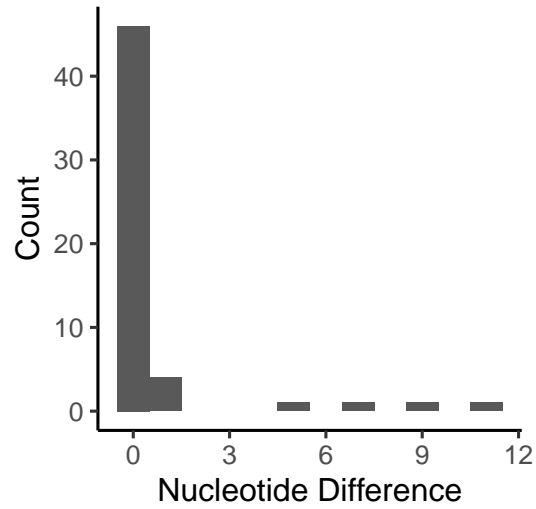
IGHV4-59*01

178 sequences assigned
134 (75.3%) exact matches, in which:
134 unique CDR3
6 unique J



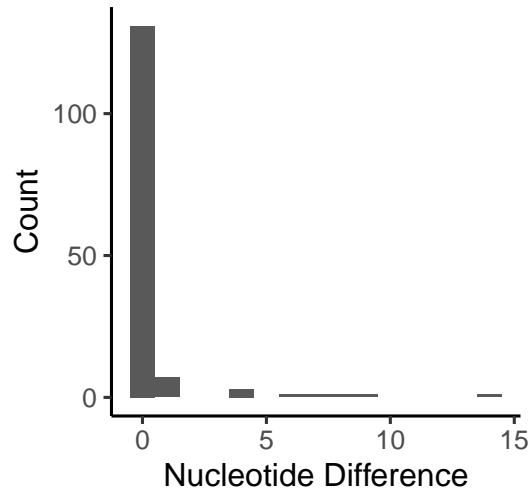
IGHV4-61*01

55 sequences assigned
46 (83.6%) exact matches, in which:
46 unique CDR3
6 unique J



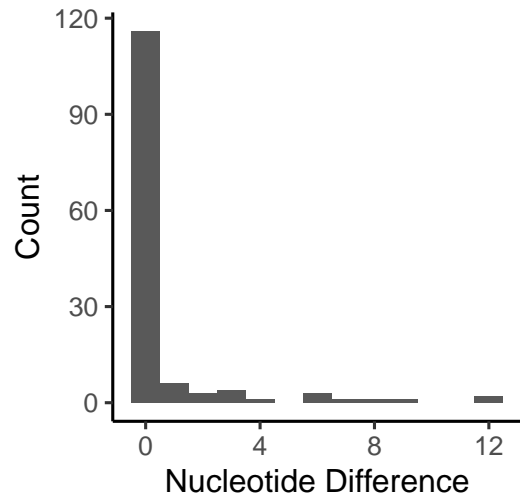
IGHV6-1*01

146 sequences assigned
131 (89.7%) exact matches, in which:
131 unique CDR3
6 unique J



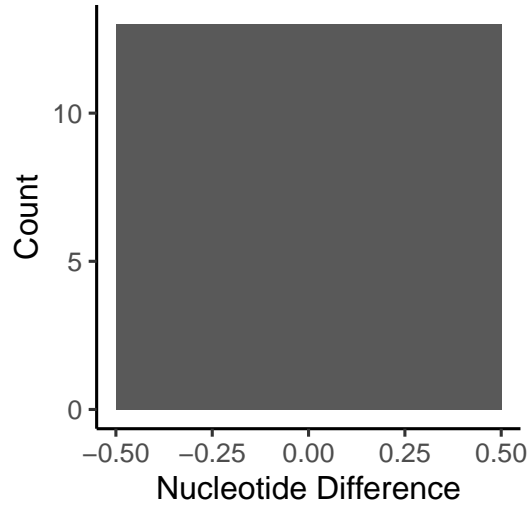
IGHV5-10-1*03

138 sequences assigned
116 (84.1%) exact matches, in which:
116 unique CDR3
7 unique J



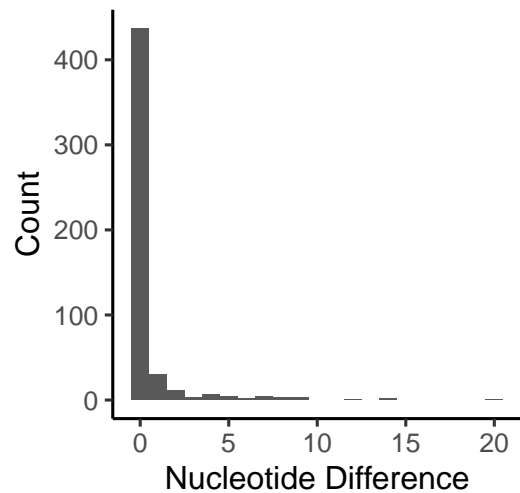
IGHV7-4-1*01

13 sequences assigned
13 (100%) exact matches, in which:
13 unique CDR3
5 unique J

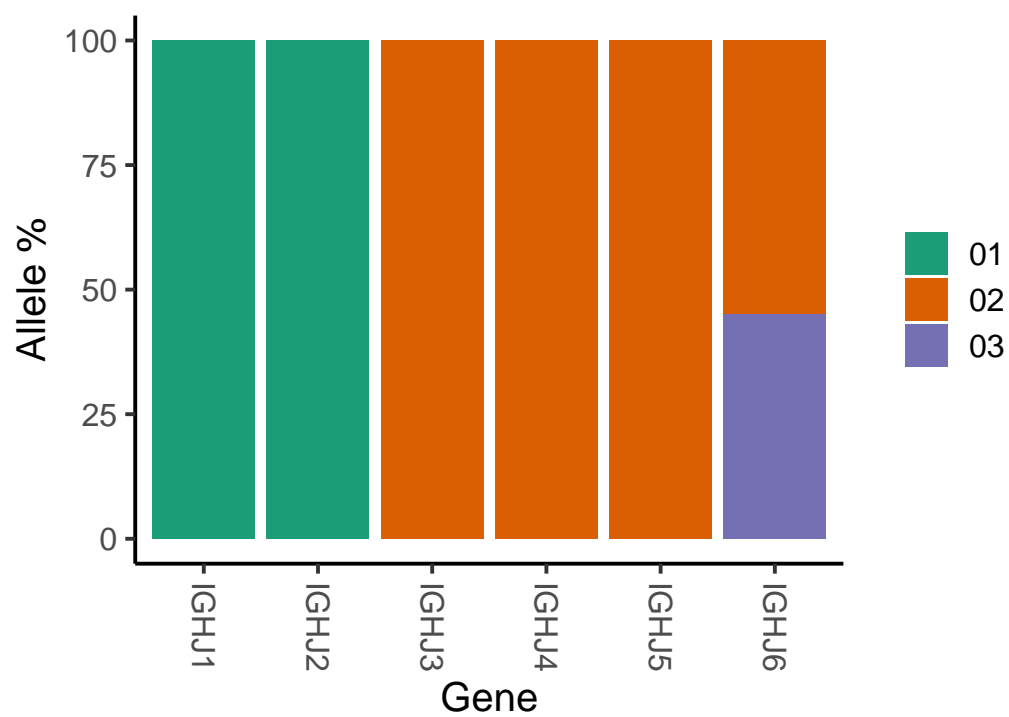


IGHV5-51*01

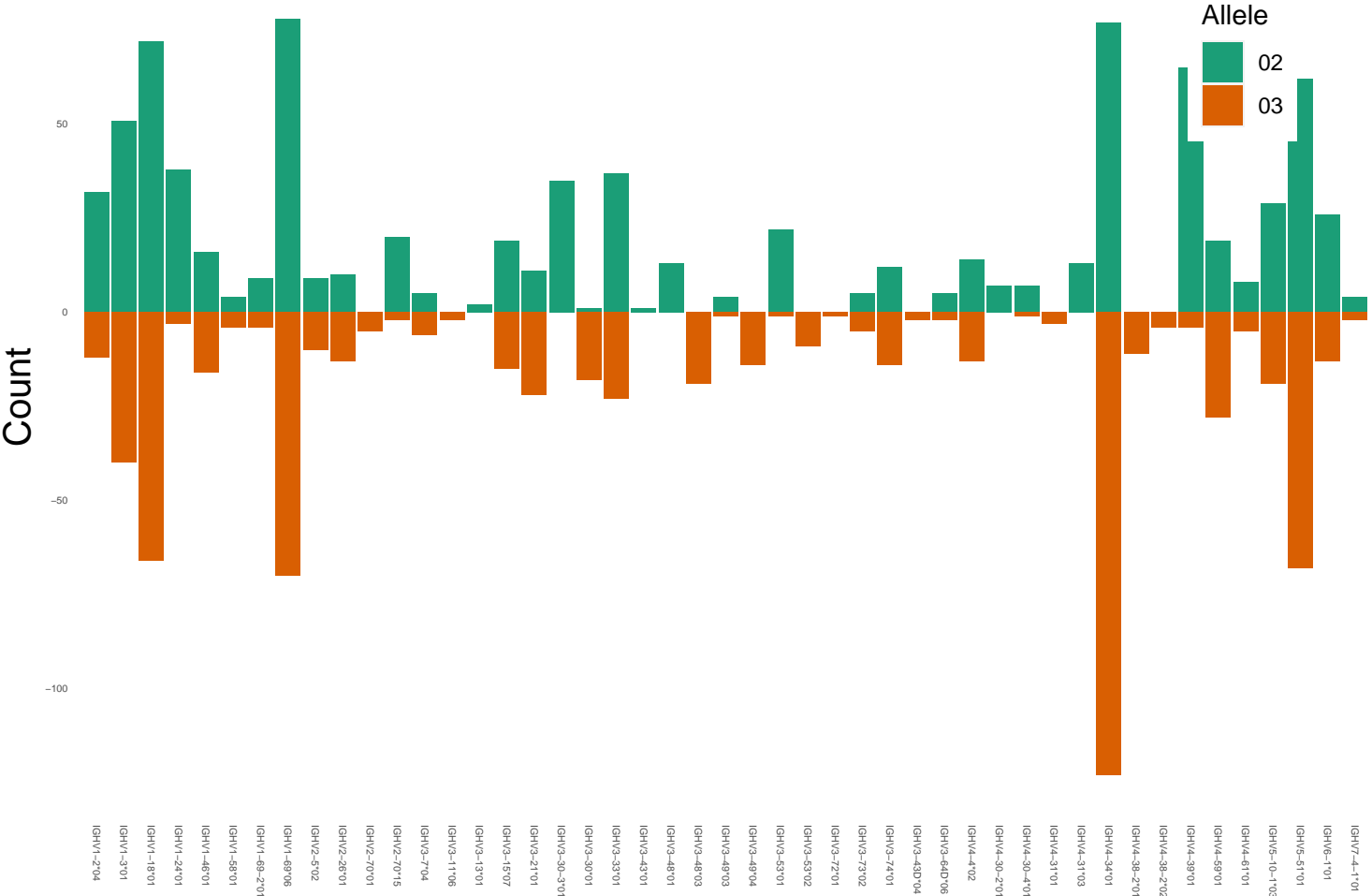
509 sequences assigned
437 (85.9%) exact matches, in which:
437 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.