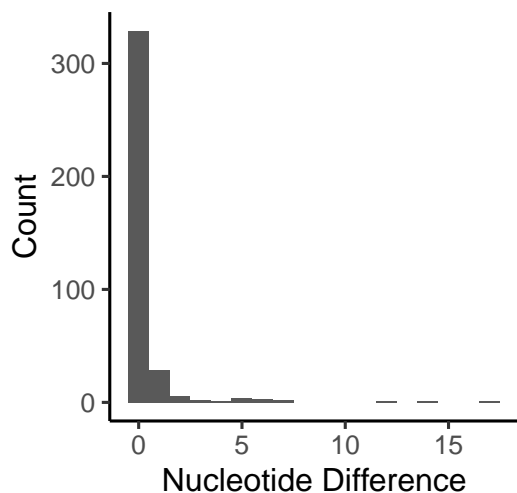


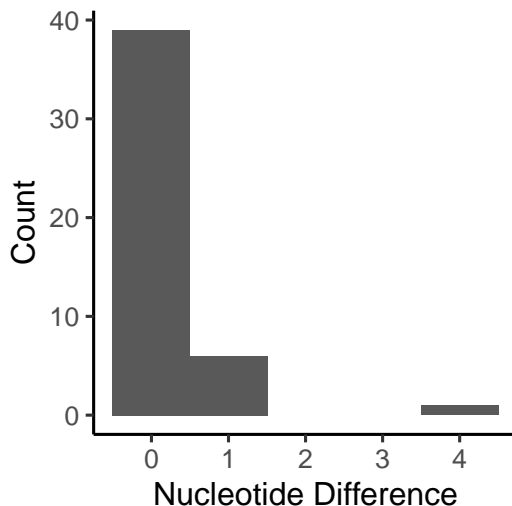
IGHV1-2*02

379 sequences assigned
329 (86.8%) exact matches, in which:
329 unique CDR3
7 unique J



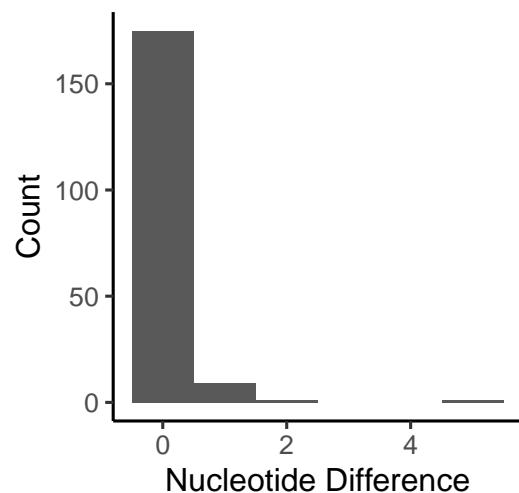
IGHV1-8*03

46 sequences assigned
39 (84.8%) exact matches, in which:
39 unique CDR3
4 unique J



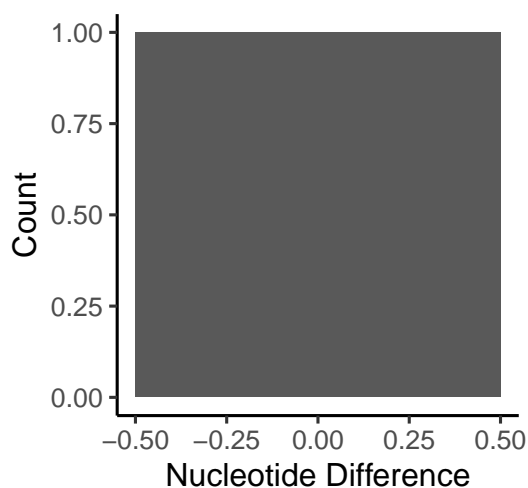
IGHV1-24*01

186 sequences assigned
175 (94.1%) exact matches, in which:
175 unique CDR3
7 unique J



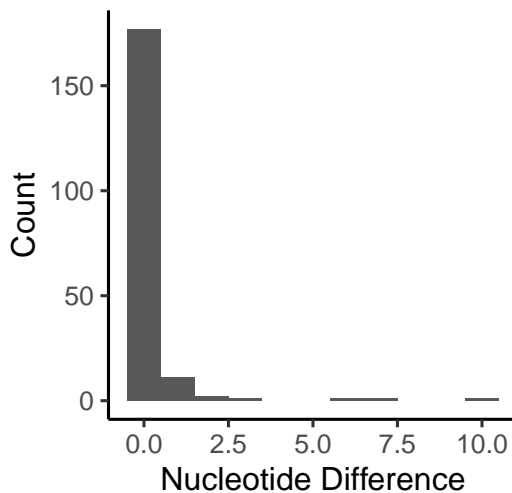
IGHV1-3*02

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



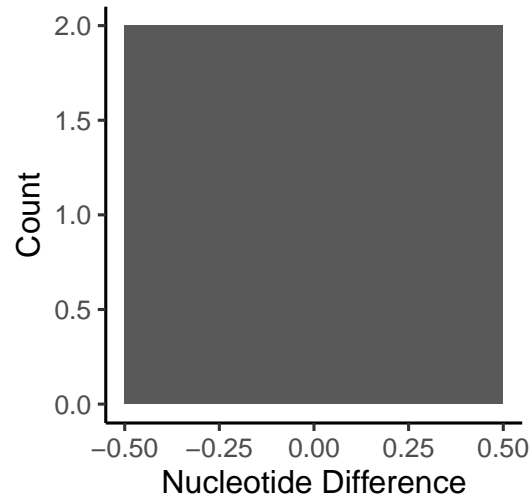
IGHV1-18*01

194 sequences assigned
177 (91.2%) exact matches, in which:
177 unique CDR3
7 unique J



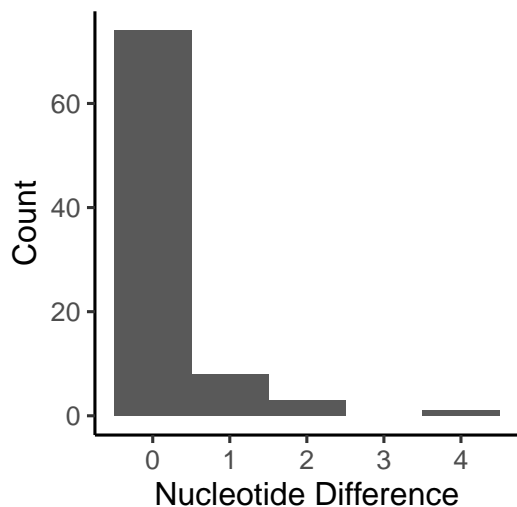
IGHV1-45*02

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



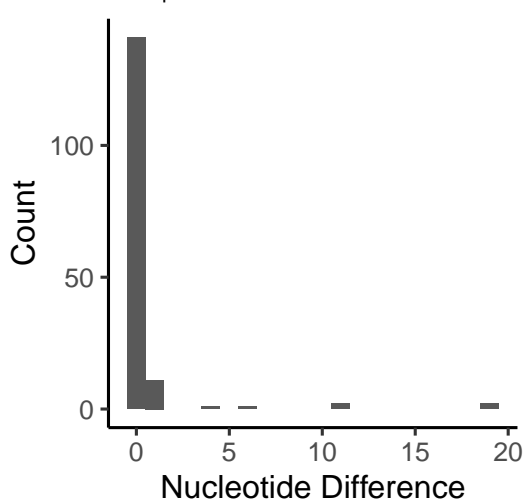
IGHV1-8*01

86 sequences assigned
74 (86%) exact matches, in which:
74 unique CDR3
5 unique J



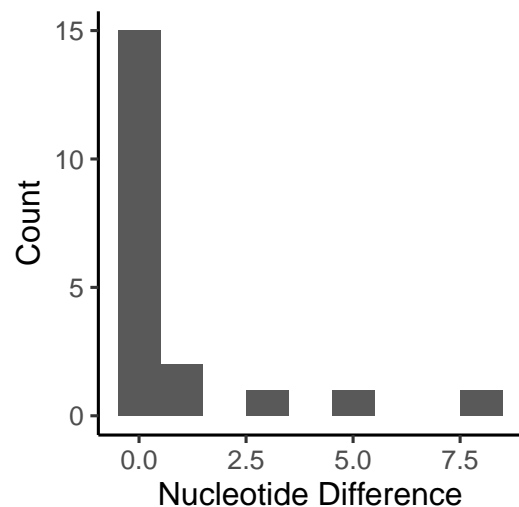
IGHV1-18*04

158 sequences assigned
141 (89.2%) exact matches, in which:
140 unique CDR3
6 unique J



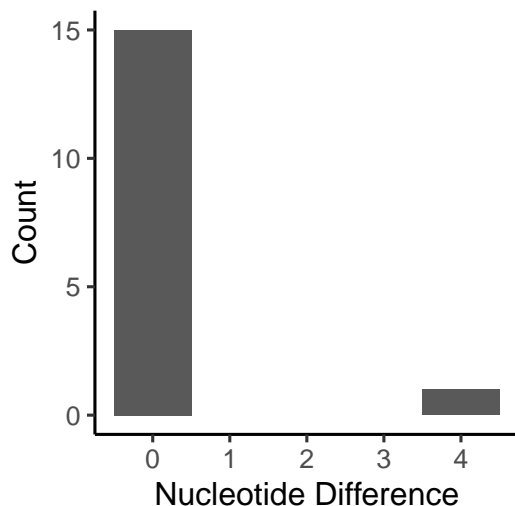
IGHV1-46*01

20 sequences assigned
15 (75%) exact matches, in which:
15 unique CDR3
4 unique J



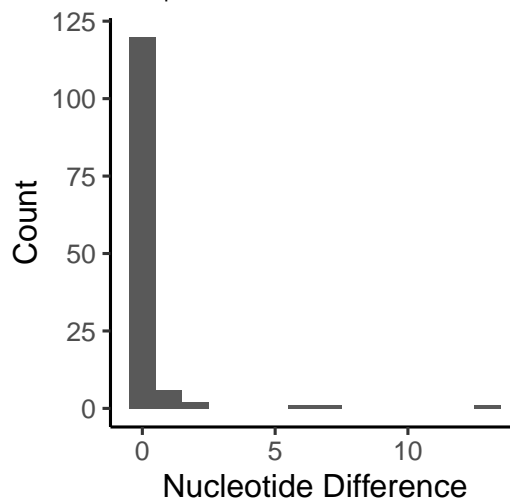
IGHV1-46*03

16 sequences assigned
15 (93.8%) exact matches, in which:
15 unique CDR3
6 unique J



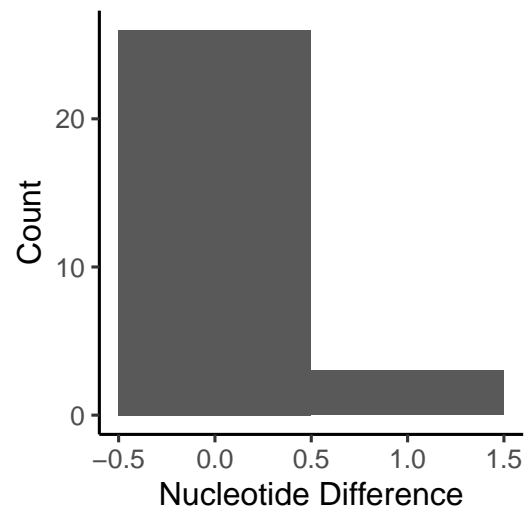
IGHV1-69*04_A163G

131 sequences assigned
120 (91.6%) exact matches, in which:
120 unique CDR3
7 unique J



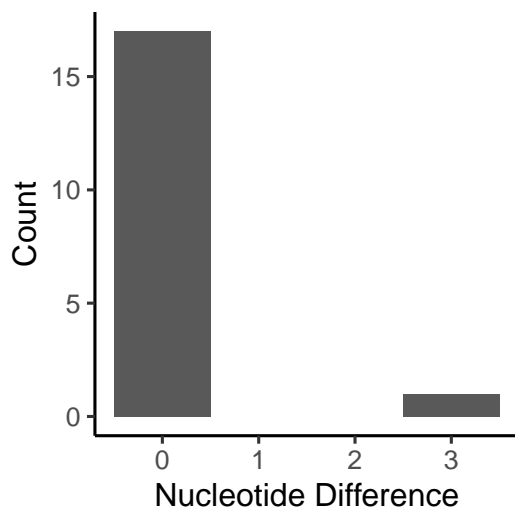
IGHV2-70*01

29 sequences assigned
26 (89.7%) exact matches, in which:
26 unique CDR3
4 unique J



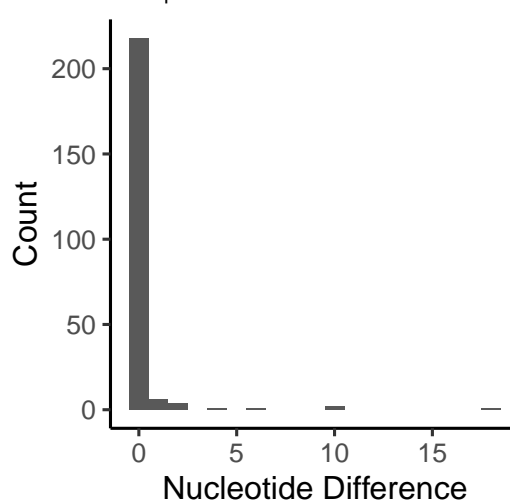
IGHV1-58*01

18 sequences assigned
17 (94.4%) exact matches, in which:
17 unique CDR3
4 unique J



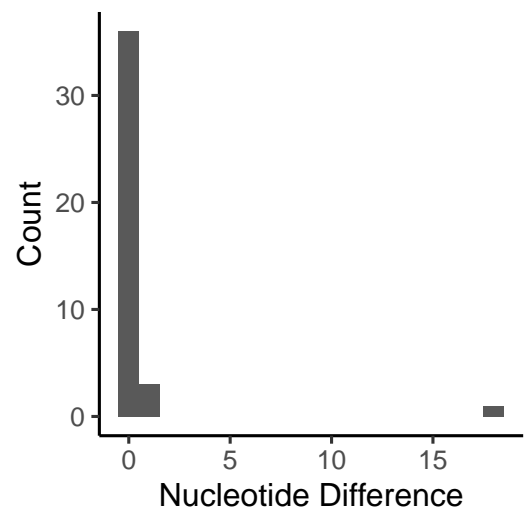
IGHV2-5*01

233 sequences assigned
218 (93.6%) exact matches, in which:
218 unique CDR3
7 unique J



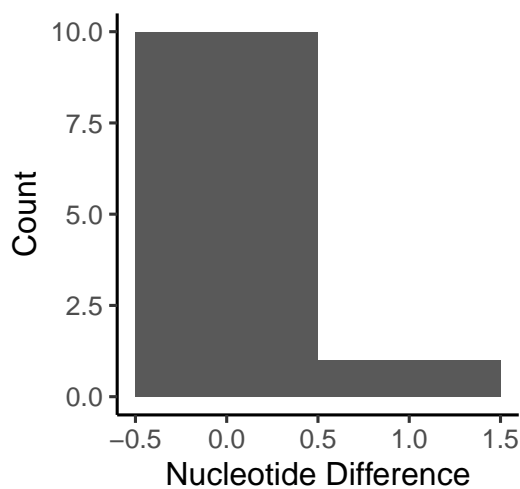
IGHV2-70*15

40 sequences assigned
36 (90%) exact matches, in which:
36 unique CDR3
3 unique J



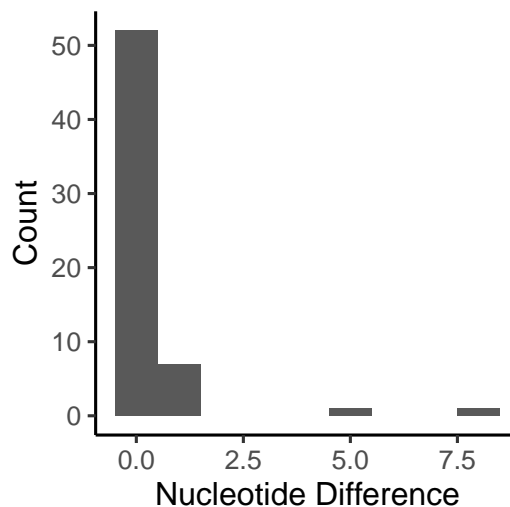
IGHV1-58*02

11 sequences assigned
10 (90.9%) exact matches, in which:
10 unique CDR3
4 unique J



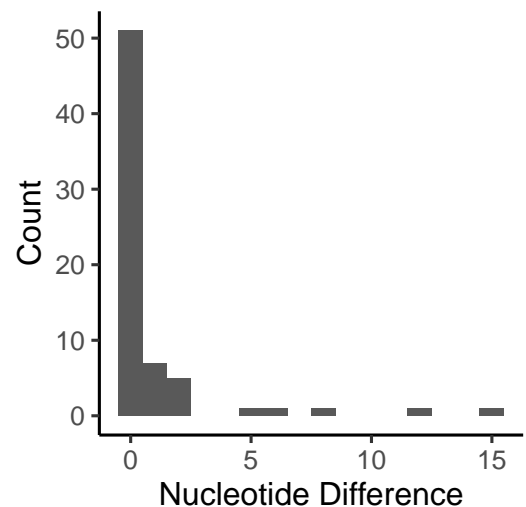
IGHV2-26*01

61 sequences assigned
52 (85.2%) exact matches, in which:
52 unique CDR3
6 unique J



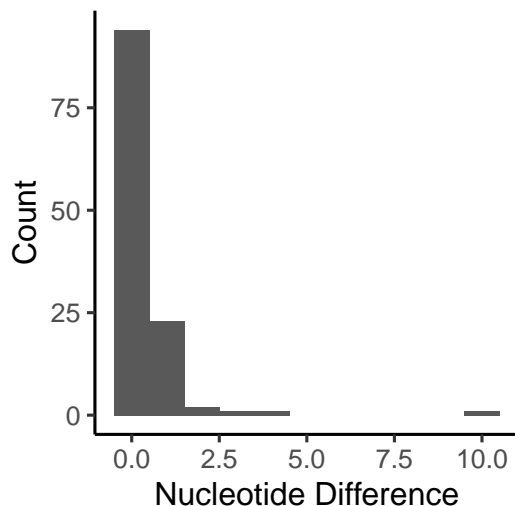
IGHV3-7*01

68 sequences assigned
51 (75%) exact matches, in which:
51 unique CDR3
6 unique J



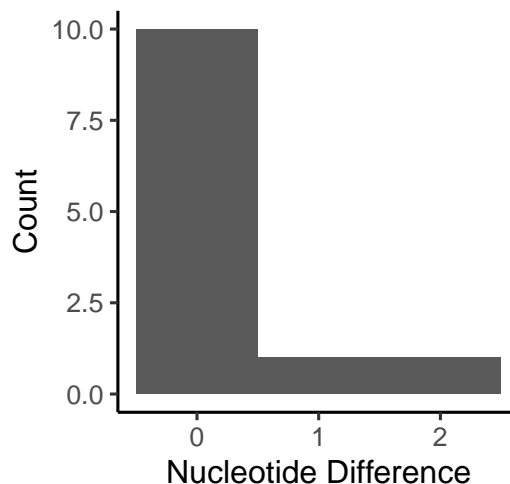
IGHV3-9*01

122 sequences assigned
94 (77%) exact matches, in which:
94 unique CDR3
6 unique J



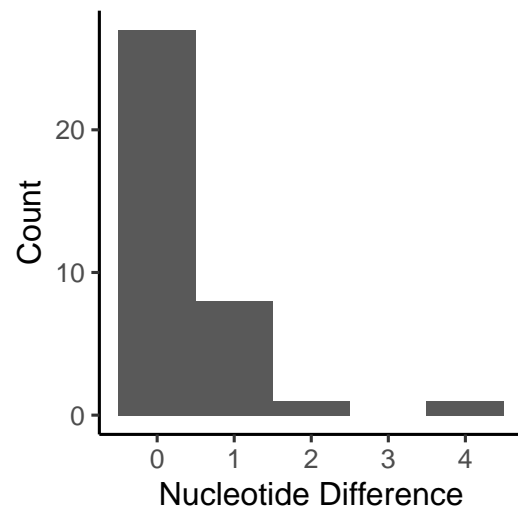
IGHV3-13*01

12 sequences assigned
10 (83.3%) exact matches, in which:
10 unique CDR3
3 unique J



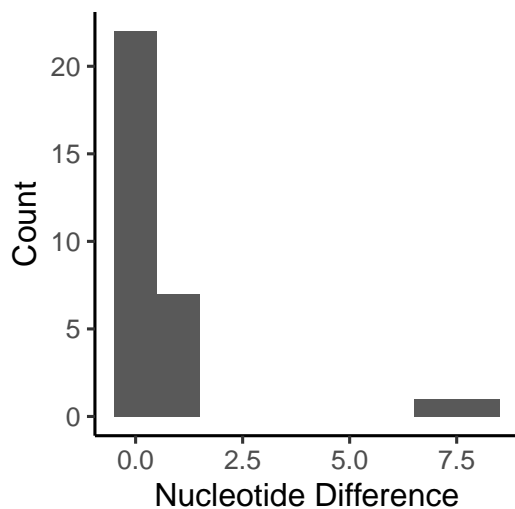
IGHV3-30*02_G49A

37 sequences assigned
27 (73%) exact matches, in which:
27 unique CDR3
4 unique J



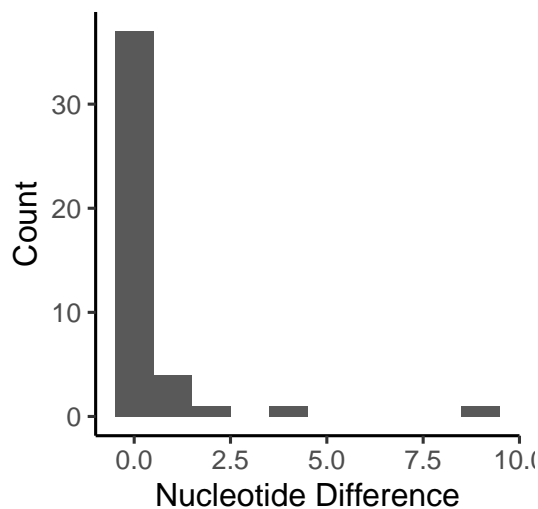
IGHV3-11*01

31 sequences assigned
22 (71%) exact matches, in which:
22 unique CDR3
6 unique J



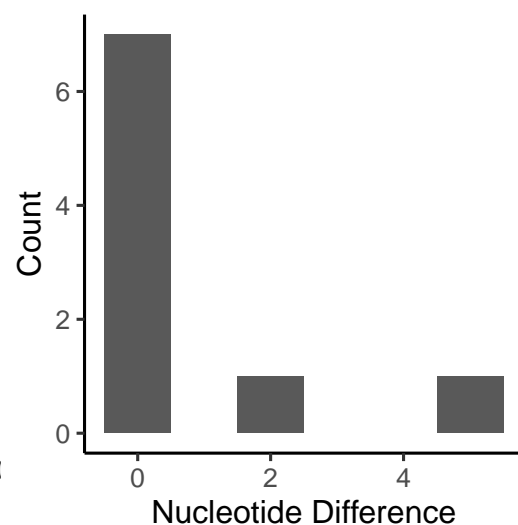
IGHV3-15*01

44 sequences assigned
37 (84.1%) exact matches, in which:
37 unique CDR3
5 unique J



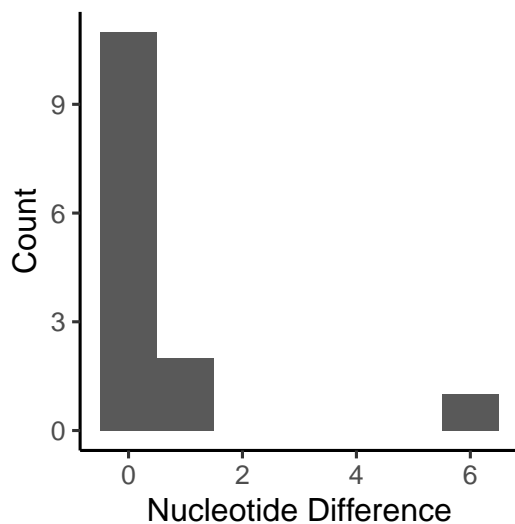
IGHV3-43*01

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
3 unique J



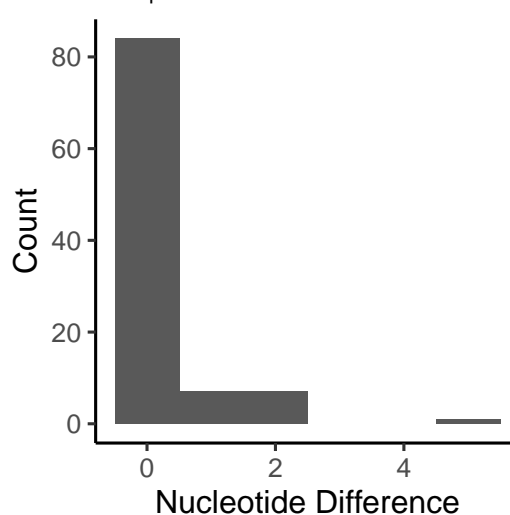
IGHV3-11*04

14 sequences assigned
11 (78.6%) exact matches, in which:
11 unique CDR3
3 unique J



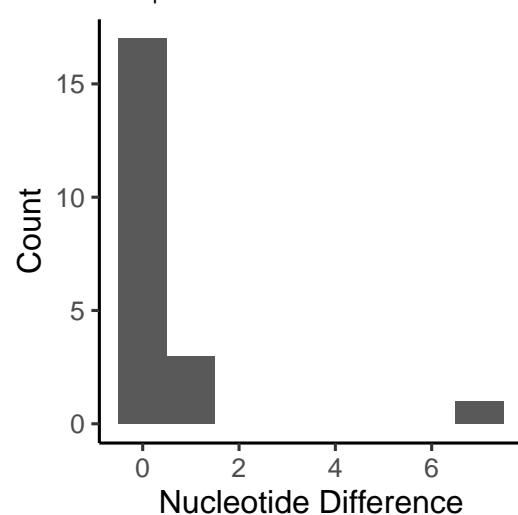
IGHV3-21*01

99 sequences assigned
84 (84.8%) exact matches, in which:
84 unique CDR3
7 unique J



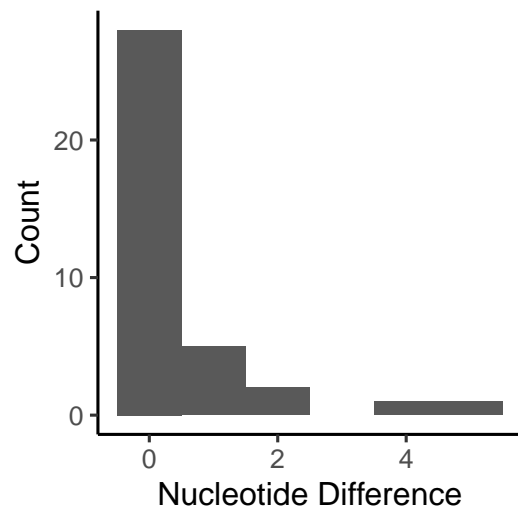
IGHV3-48*01

21 sequences assigned
17 (81%) exact matches, in which:
17 unique CDR3
4 unique J



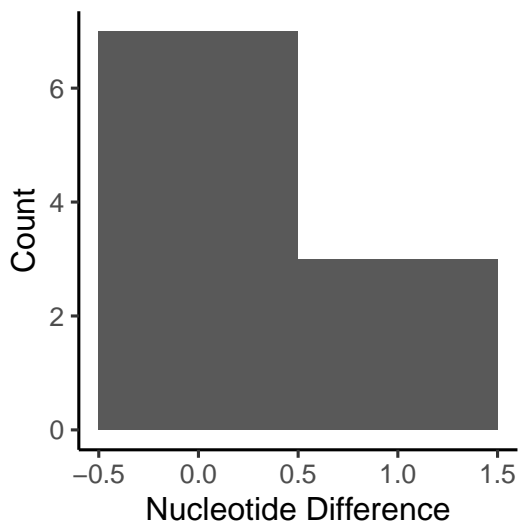
IGHV3-48*04

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



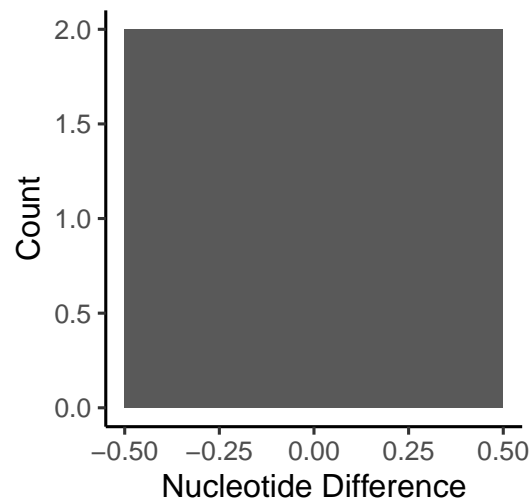
IGHV3-53*04

10 sequences assigned
7 (70%) exact matches, in which:
7 unique CDR3
3 unique J



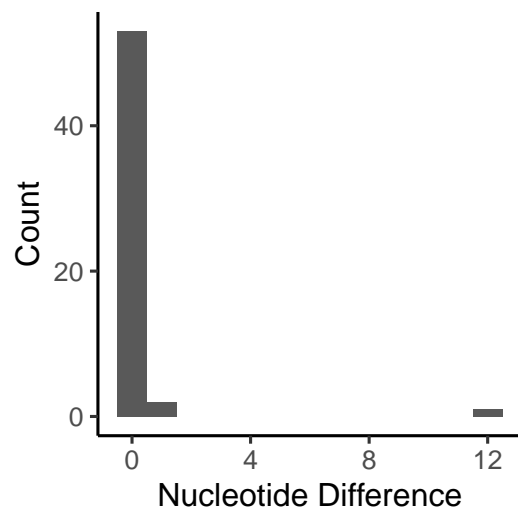
IGHV3-72*01

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



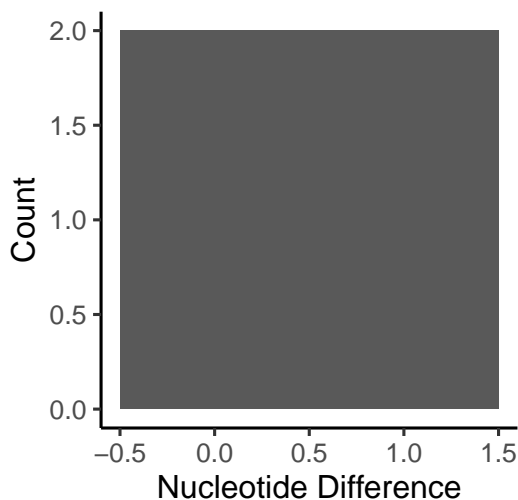
IGHV3-49*03

57 sequences assigned
53 (93%) exact matches, in which:
53 unique CDR3
6 unique J



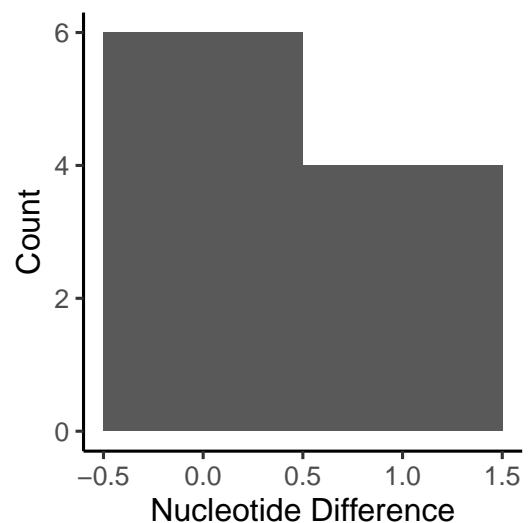
IGHV3-64*01

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



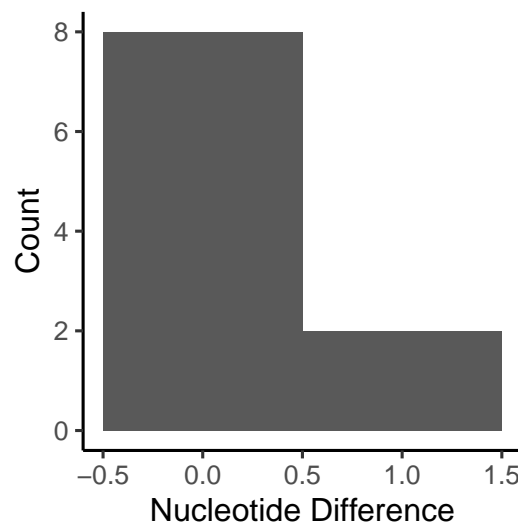
IGHV3-73*01

10 sequences assigned
6 (60%) exact matches, in which:
6 unique CDR3
3 unique J



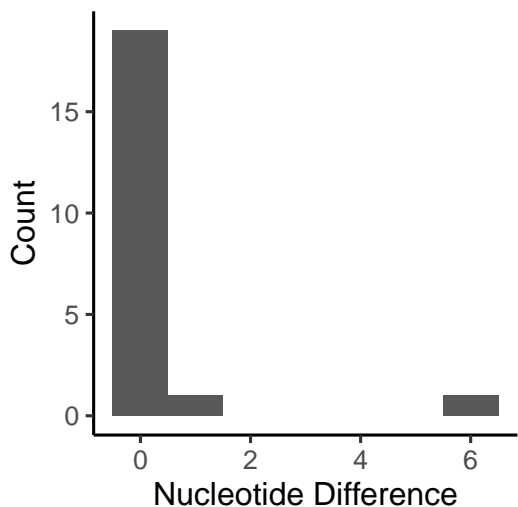
IGHV3-53*02

10 sequences assigned
8 (80%) exact matches, in which:
8 unique CDR3
4 unique J



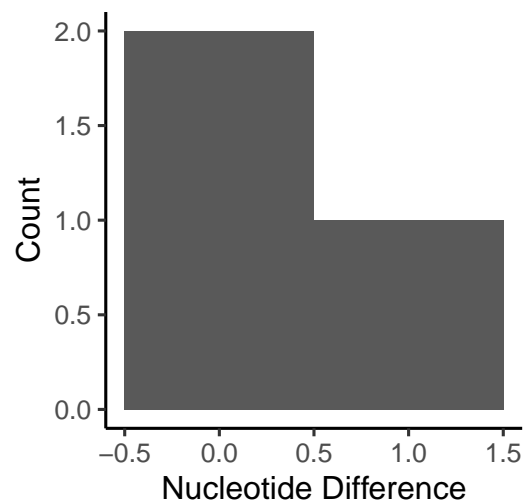
IGHV3-66*01

21 sequences assigned
19 (90.5%) exact matches, in which:
19 unique CDR3
4 unique J



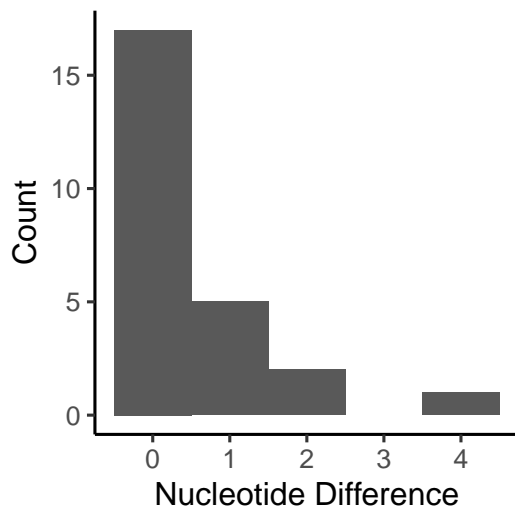
IGHV3-73*02

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



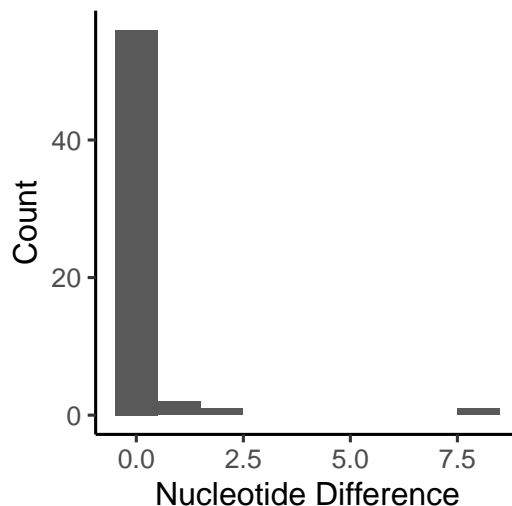
IGHV3-74*01

25 sequences assigned
17 (68%) exact matches, in which:
17 unique CDR3
6 unique J



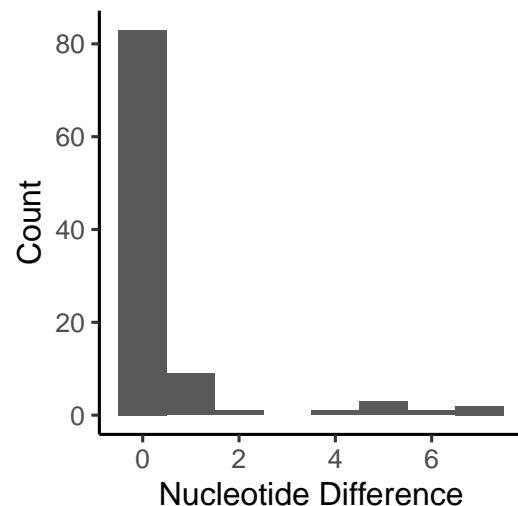
IGHV4-30-2*01

60 sequences assigned
56 (93.3%) exact matches, in which:
56 unique CDR3
7 unique J



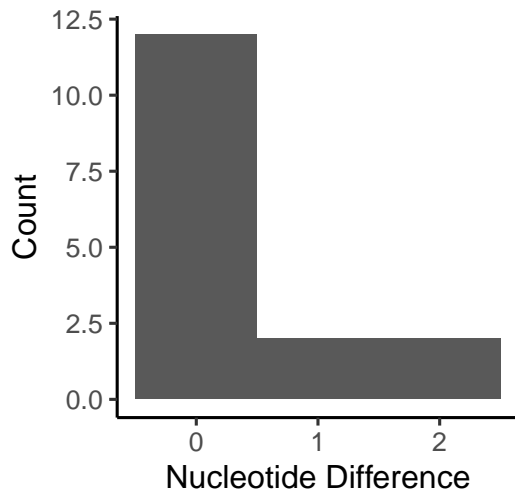
IGHV4-38-2*02

100 sequences assigned
83 (83%) exact matches, in which:
83 unique CDR3
6 unique J



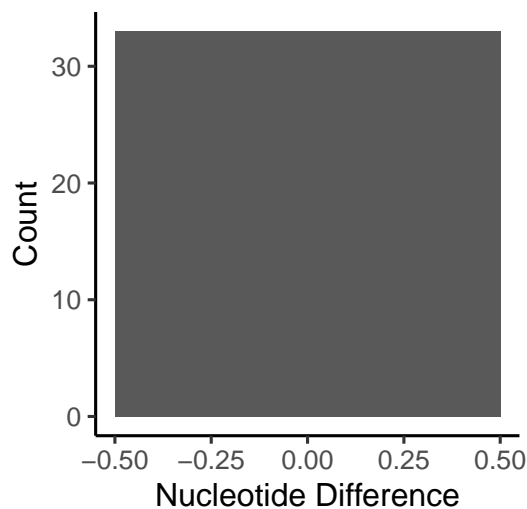
IGHV3-43D*03

16 sequences assigned
12 (75%) exact matches, in which:
12 unique CDR3
3 unique J



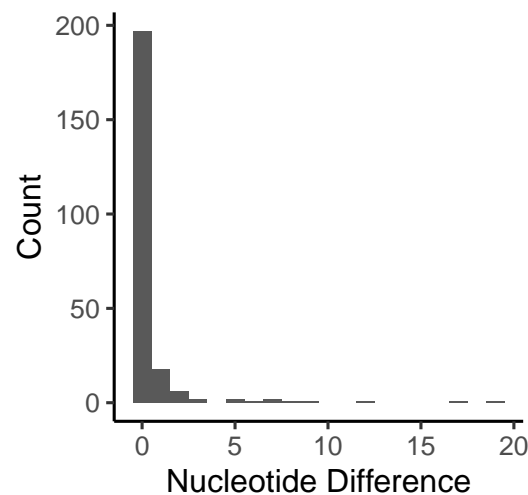
IGHV4-30-4*07

33 sequences assigned
33 (100%) exact matches, in which:
33 unique CDR3
6 unique J



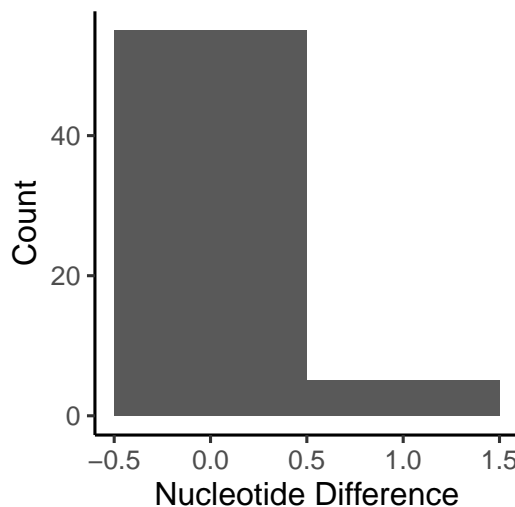
IGHV4-39*01

233 sequences assigned
197 (84.5%) exact matches, in which:
197 unique CDR3
7 unique J



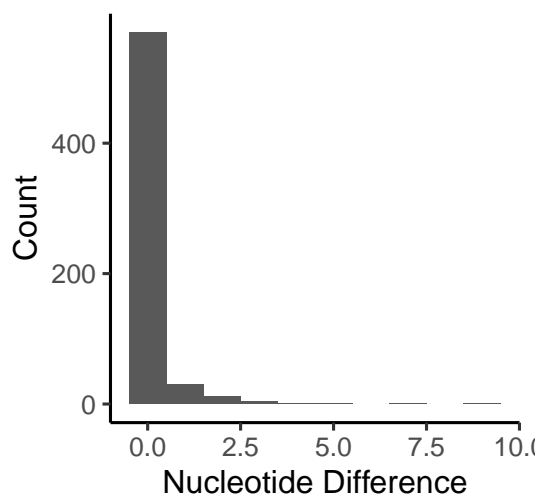
IGHV4-4*07

60 sequences assigned
55 (91.7%) exact matches, in which:
55 unique CDR3
6 unique J



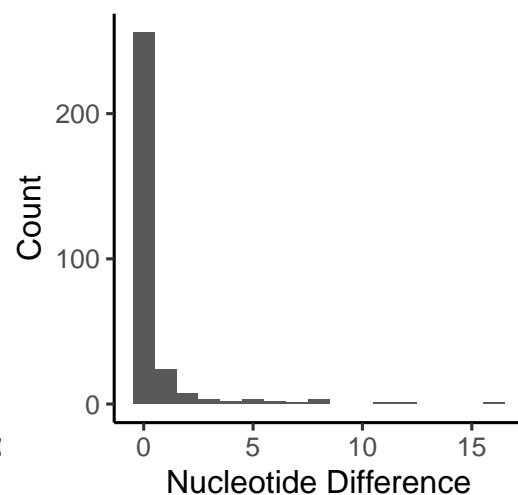
IGHV4-34*01

620 sequences assigned
570 (91.9%) exact matches, in which:
570 unique CDR3
7 unique J



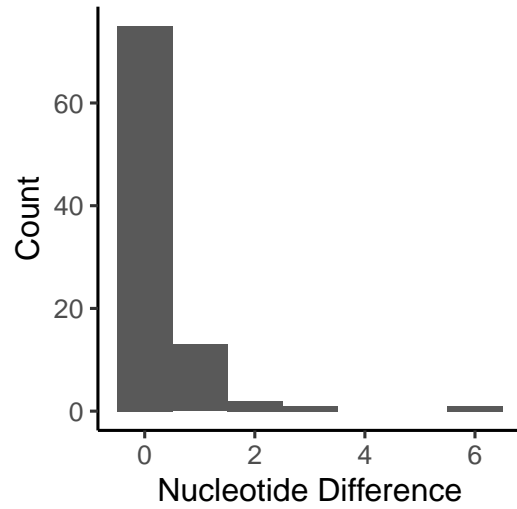
IGHV4-39*07

304 sequences assigned
256 (84.2%) exact matches, in which:
255 unique CDR3
6 unique J



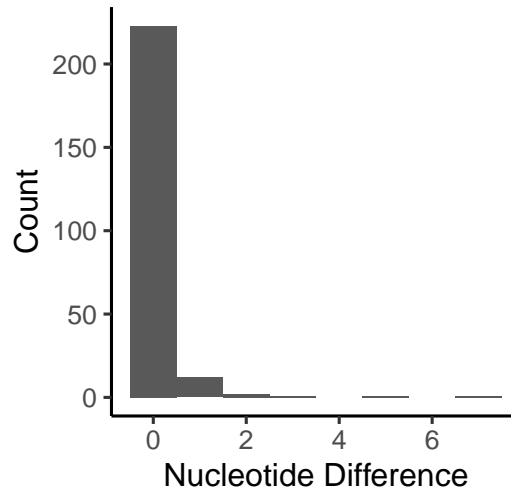
IGHV4-59*01

92 sequences assigned
75 (81.5%) exact matches, in which:
75 unique CDR3
6 unique J



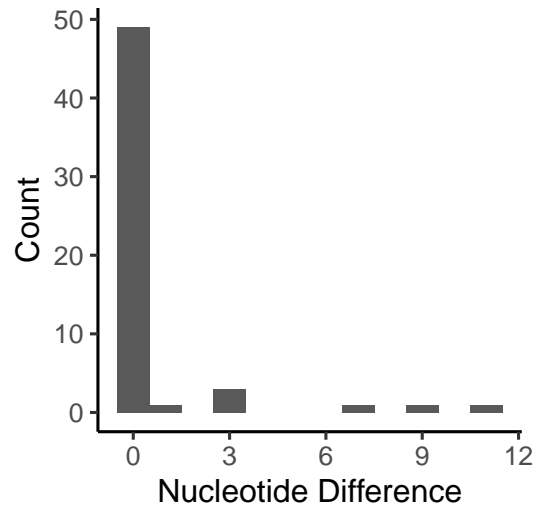
IGHV5-51*01

240 sequences assigned
223 (92.9%) exact matches, in which:
223 unique CDR3
7 unique J



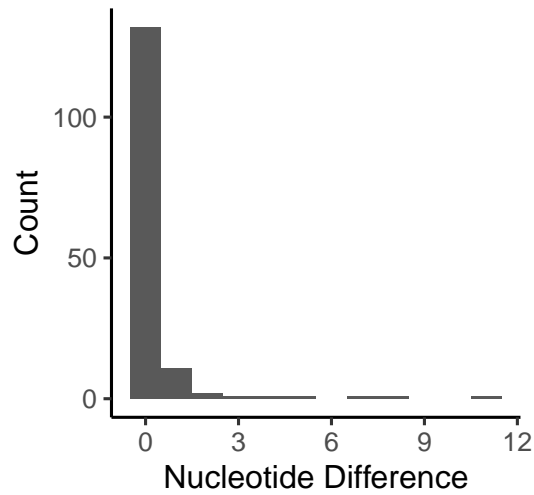
IGHV4-59*08

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



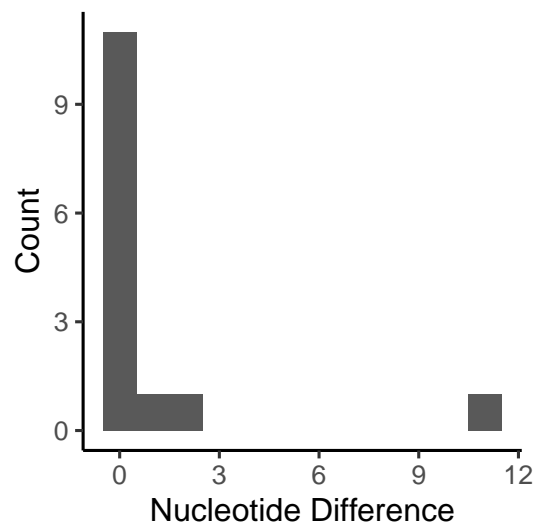
IGHV5-51*01_C45G

152 sequences assigned
132 (86.8%) exact matches, in which:
132 unique CDR3
6 unique J



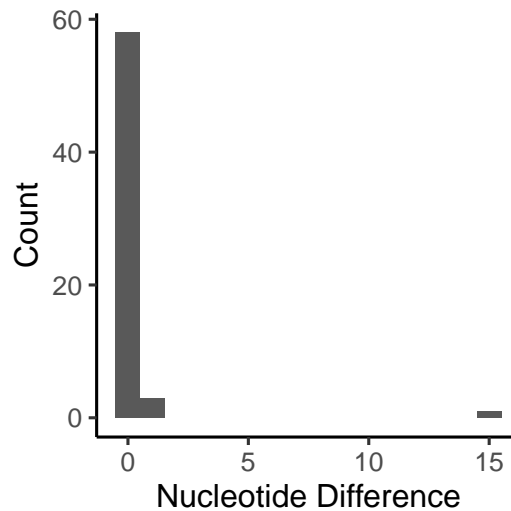
IGHV4-61*01

14 sequences assigned
11 (78.6%) exact matches, in which:
11 unique CDR3
5 unique J

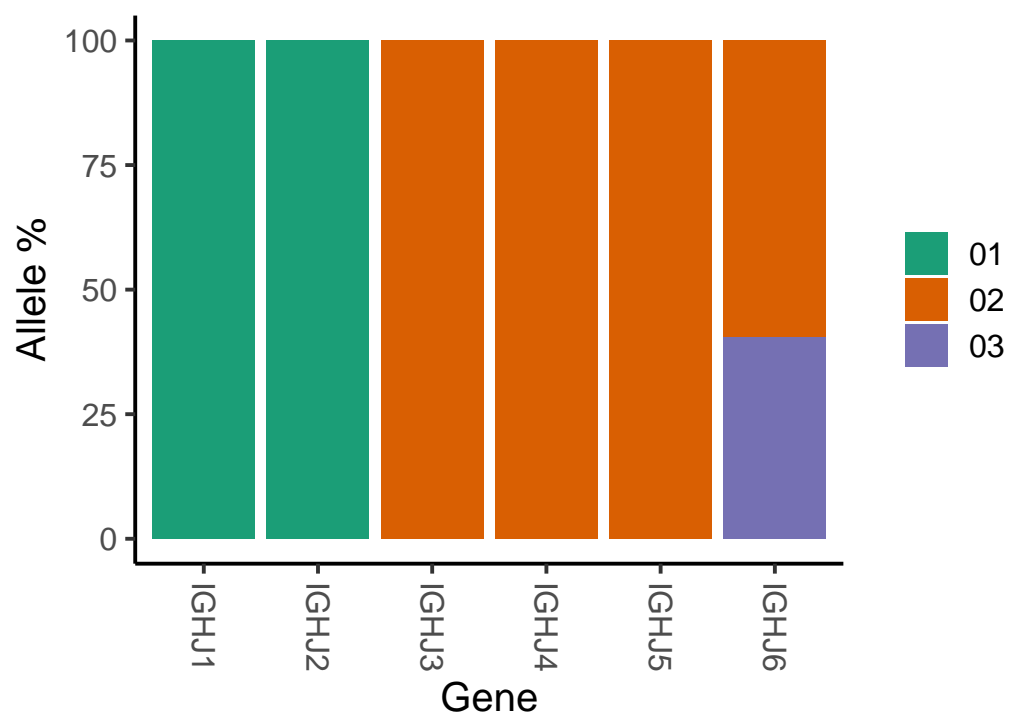


IGHV6-1*01

62 sequences assigned
58 (93.5%) exact matches, in which:
58 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.