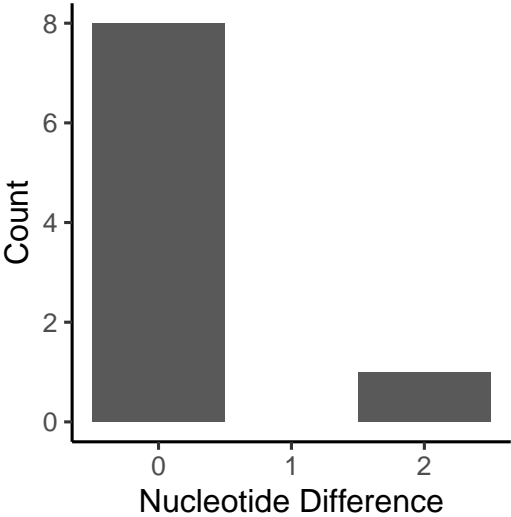


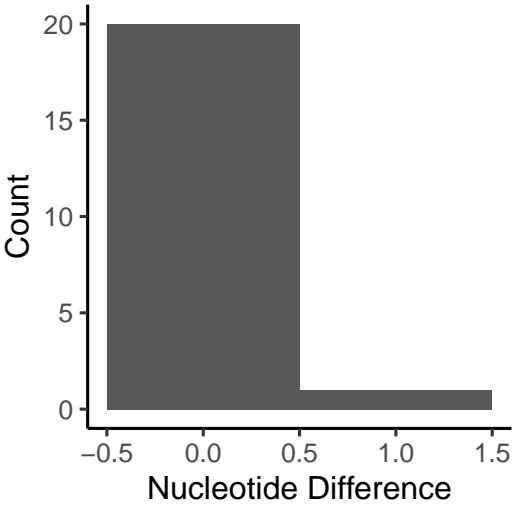
IGHV1-2*04

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
6 unique J



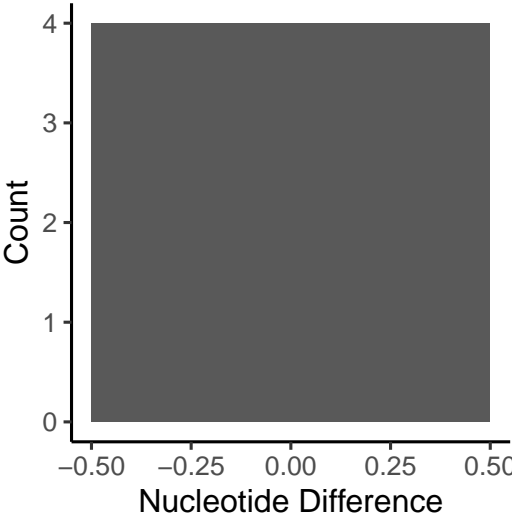
IGHV1-24*01

21 sequences assigned
20 (95.2%) exact matches, in which:
20 unique CDR3
4 unique J



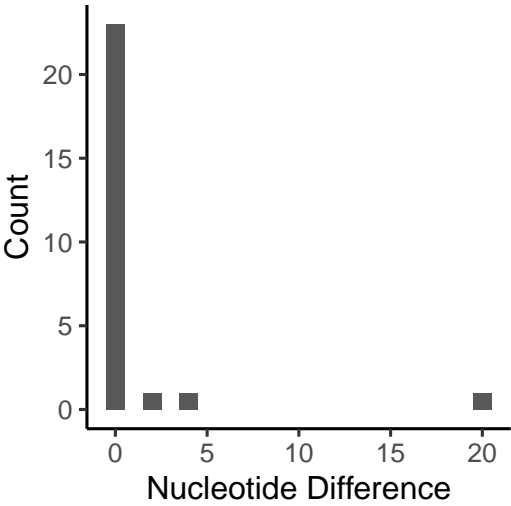
IGHV1-58*01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



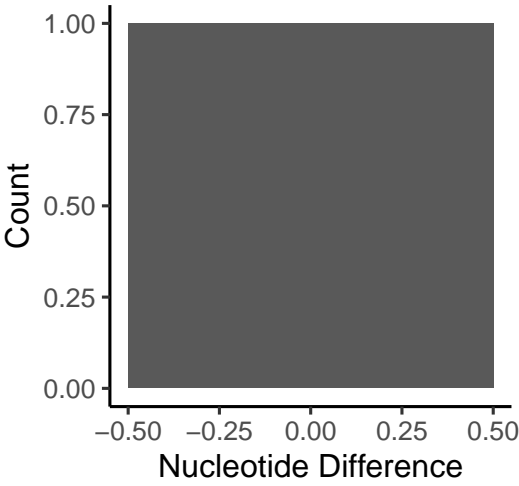
IGHV1-3*01

28 sequences assigned
23 (82.1%) exact matches, in which:
23 unique CDR3
6 unique J



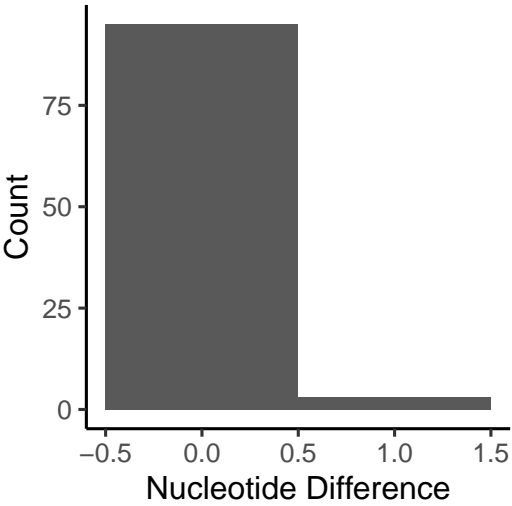
IGHV1-45*02

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



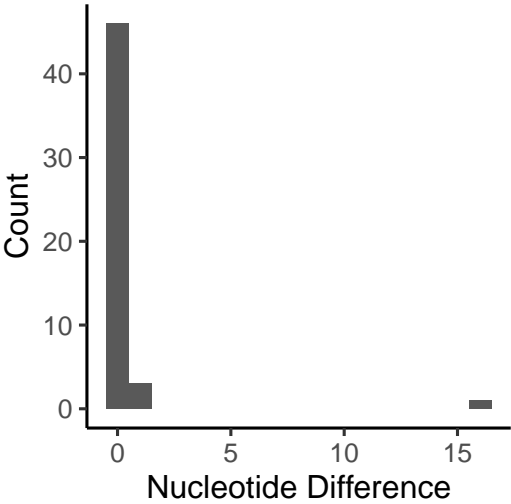
IGHV1-69*01

99 sequences assigned
95 (96%) exact matches, in which:
95 unique CDR3
7 unique J



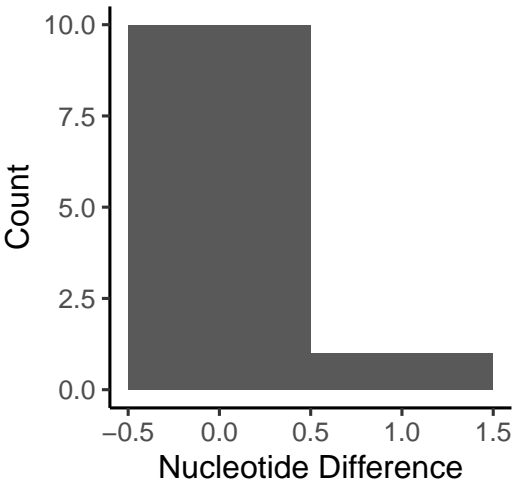
IGHV1-18*04

50 sequences assigned
46 (92%) exact matches, in which:
46 unique CDR3
5 unique J



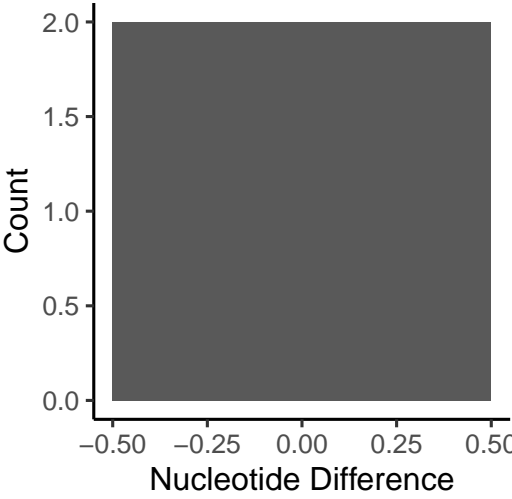
IGHV1-46*01

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



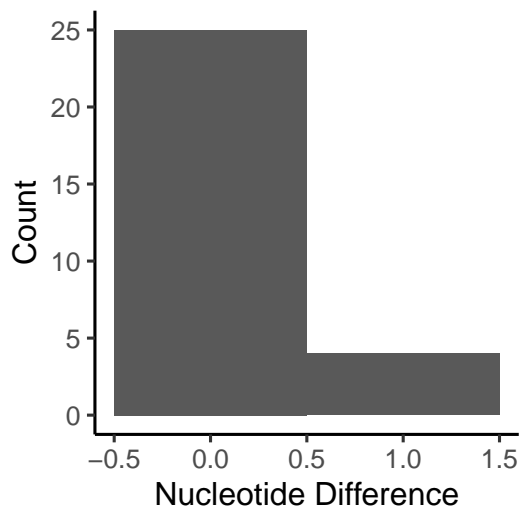
IGHV1-69-2*01

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



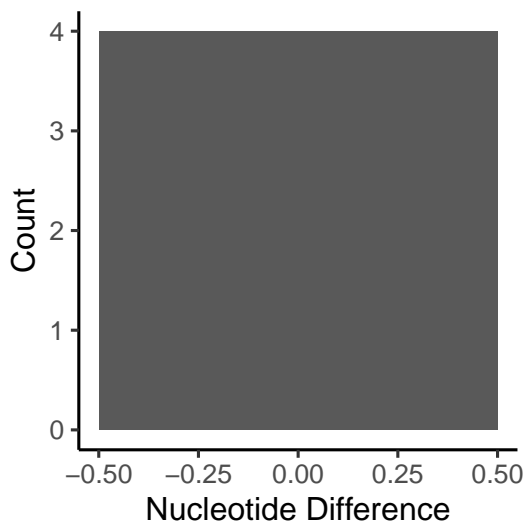
IGHV1-69*06

29 sequences assigned
25 (86.2%) exact matches, in which:
25 unique CDR3
4 unique J



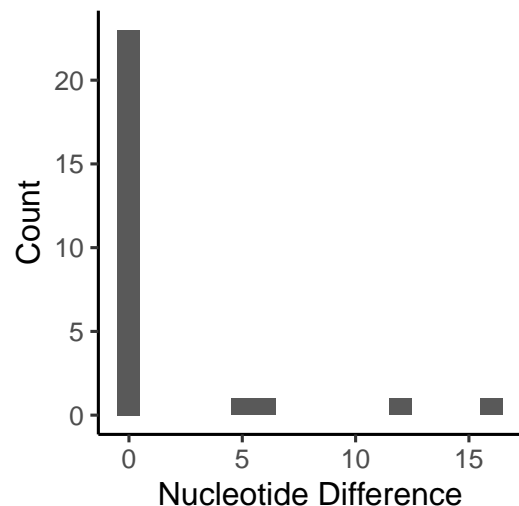
IGHV2-26*01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
1 unique J



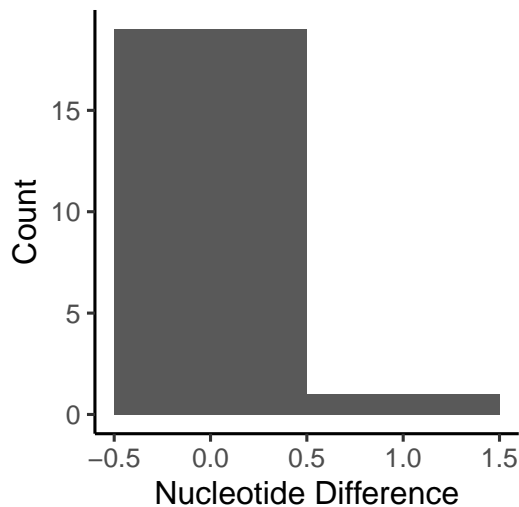
IGHV3-7*03

28 sequences assigned
23 (82.1%) exact matches, in which:
23 unique CDR3
6 unique J



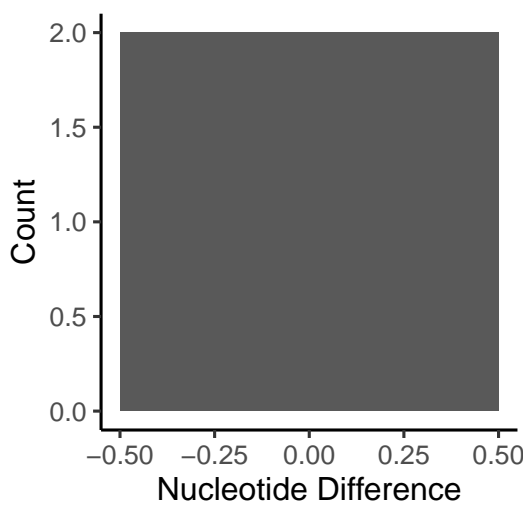
IGHV1-69*17

20 sequences assigned
19 (95%) exact matches, in which:
19 unique CDR3
5 unique J



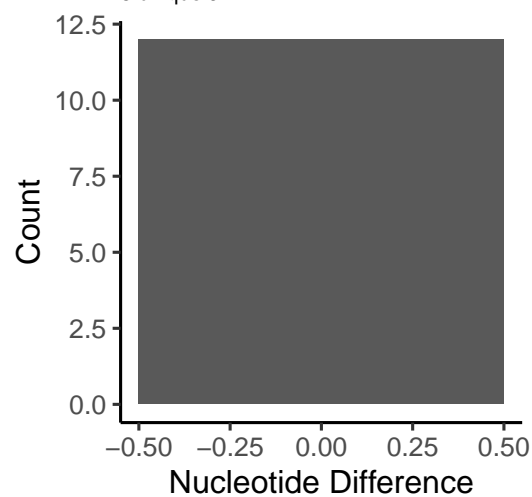
IGHV2-70*01

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



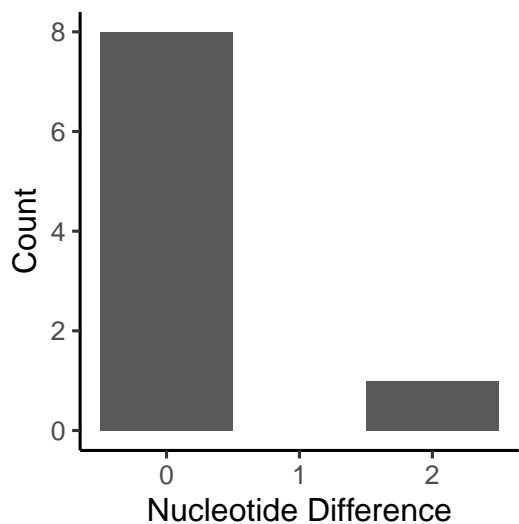
IGHV3-11*06

12 sequences assigned
12 (100%) exact matches, in which:
12 unique CDR3
5 unique J



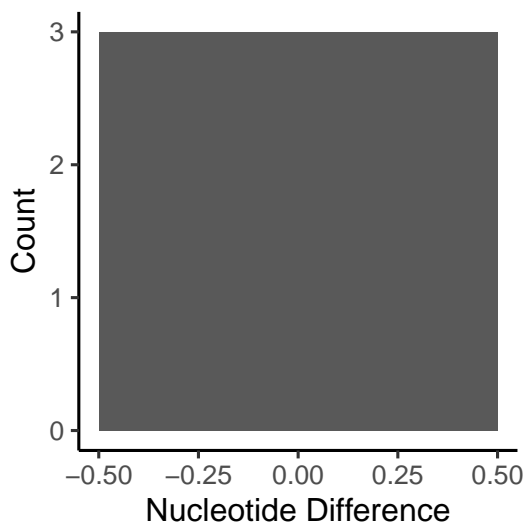
IGHV2-5*02

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
4 unique J



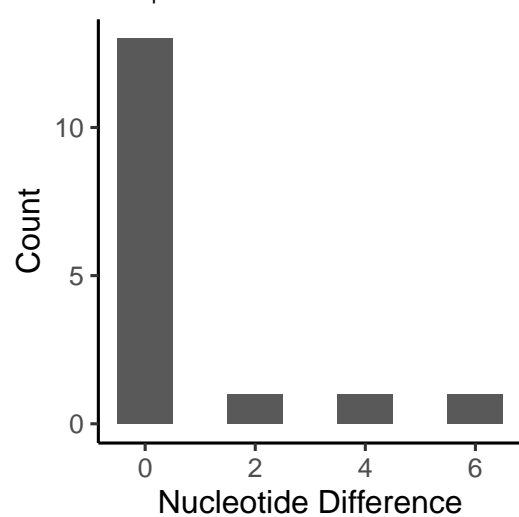
IGHV2-70*04

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



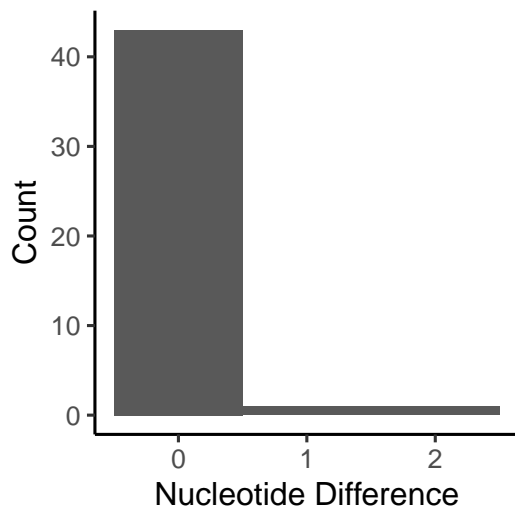
IGHV3-15*01

16 sequences assigned
13 (81.2%) exact matches, in which:
13 unique CDR3
5 unique J



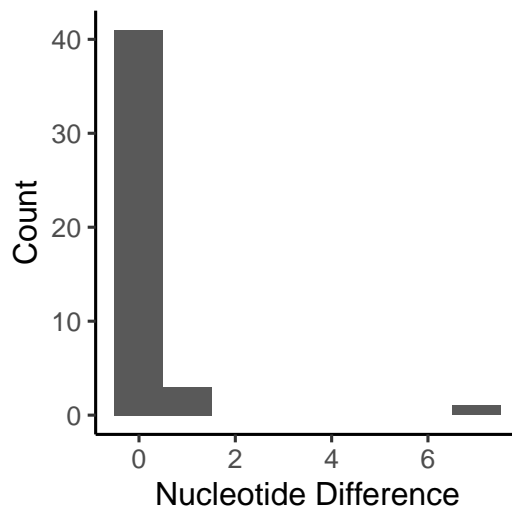
IGHV3-21*01

45 sequences assigned
43 (95.6%) exact matches, in which:
43 unique CDR3
6 unique J



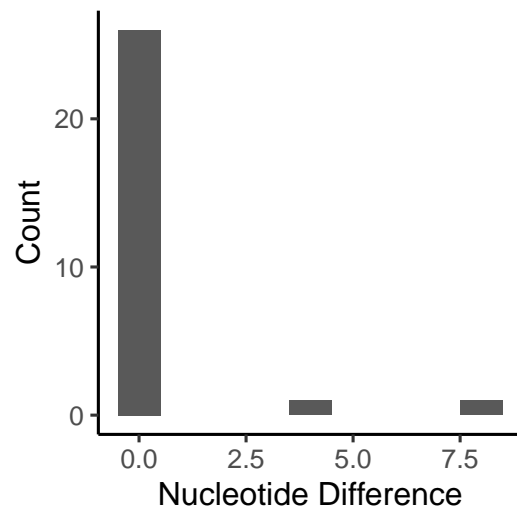
IGHV3-30*18

45 sequences assigned
41 (91.1%) exact matches, in which:
41 unique CDR3
5 unique J



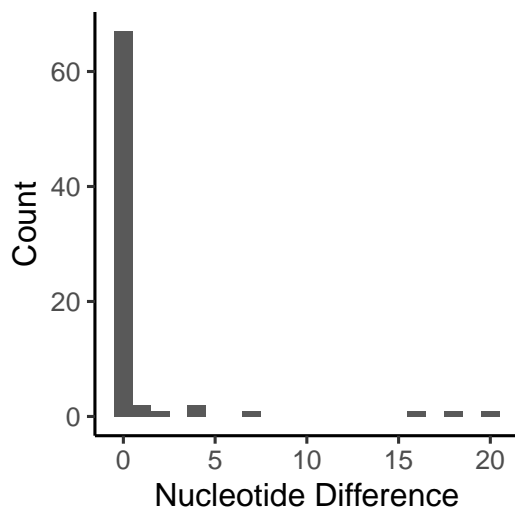
IGHV3-48*02

28 sequences assigned
26 (92.9%) exact matches, in which:
26 unique CDR3
5 unique J



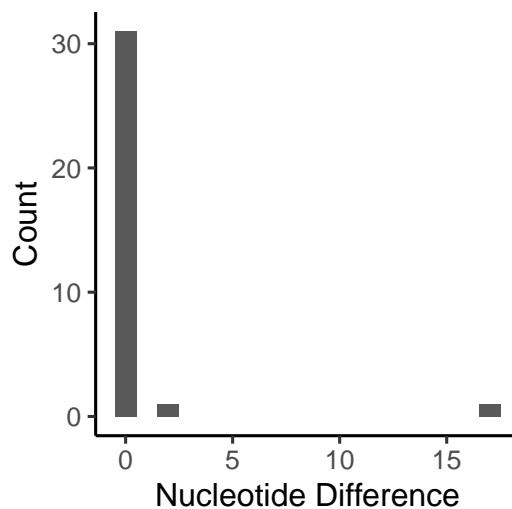
IGHV3-23*01

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



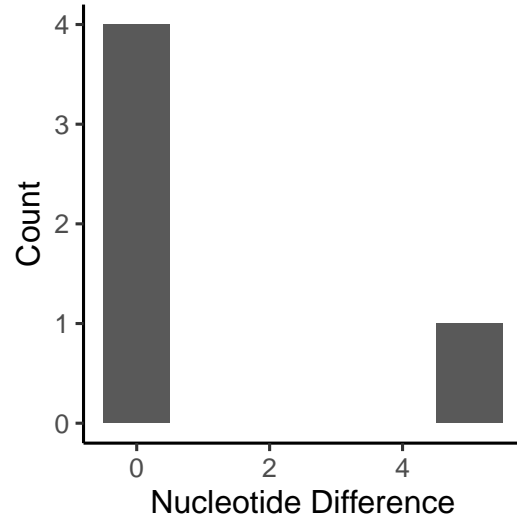
IGHV3-33*01

33 sequences assigned
31 (93.9%) exact matches, in which:
31 unique CDR3
4 unique J



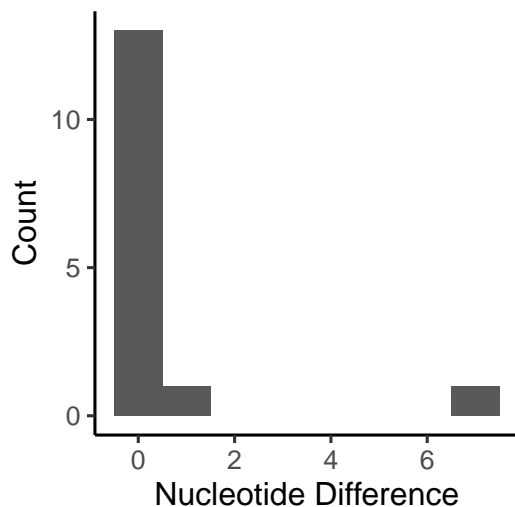
IGHV3-49*05

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



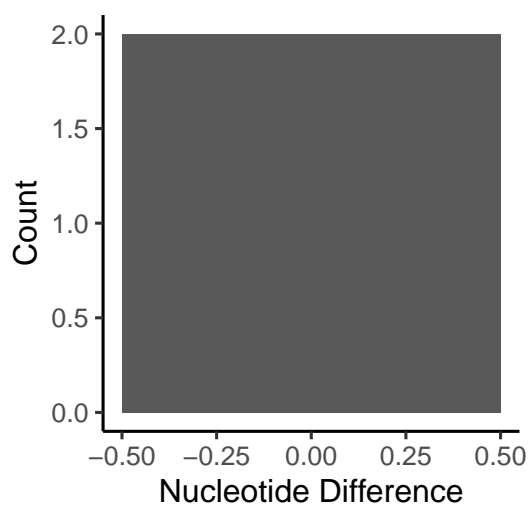
IGHV3-30-3*01

15 sequences assigned
13 (86.7%) exact matches, in which:
13 unique CDR3
3 unique J



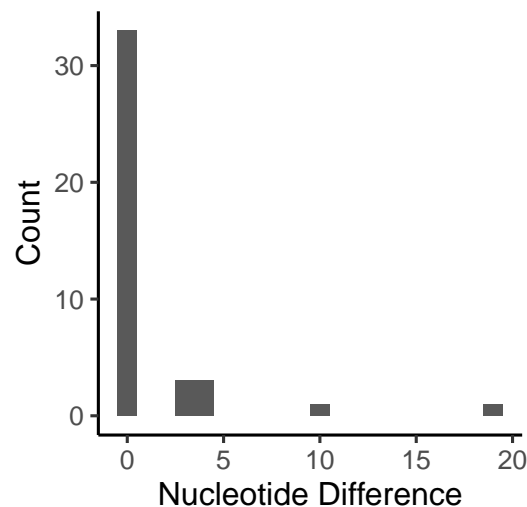
IGHV3-43*01

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



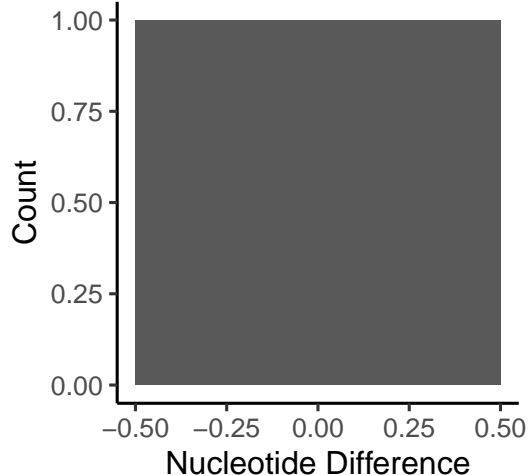
IGHV3-53*01

41 sequences assigned
33 (80.5%) exact matches, in which:
33 unique CDR3
6 unique J



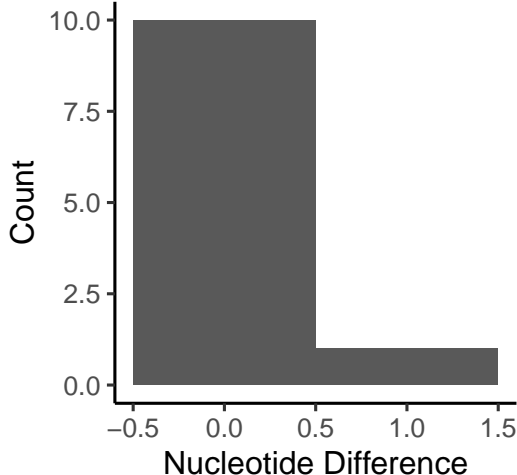
IGHV3–64*02

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



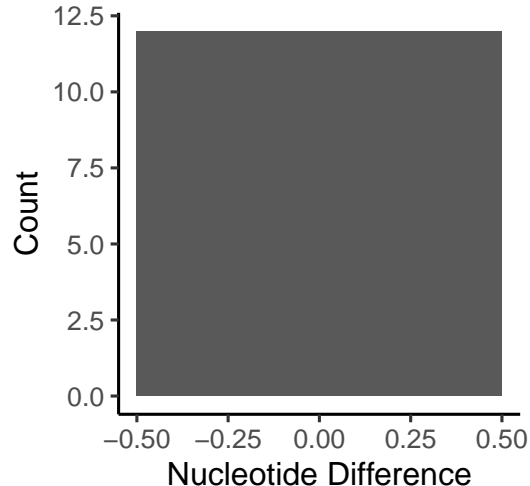
IGHV3–74*01

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



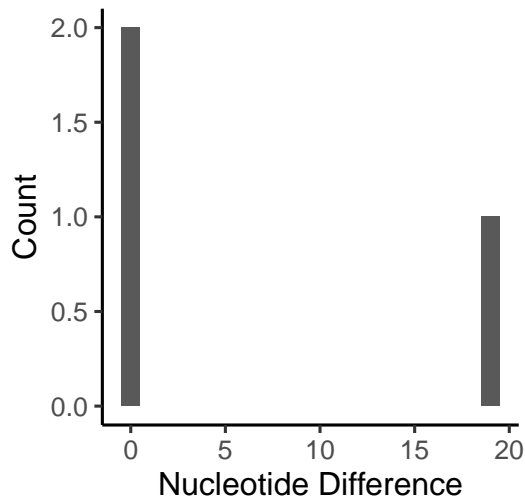
IGHV4–4*02

12 sequences assigned
12 (100%) exact matches, in which:
12 unique CDR3
3 unique J



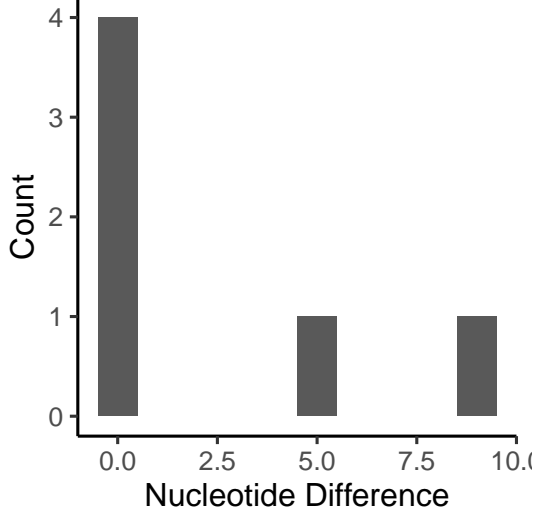
IGHV3–72*01

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



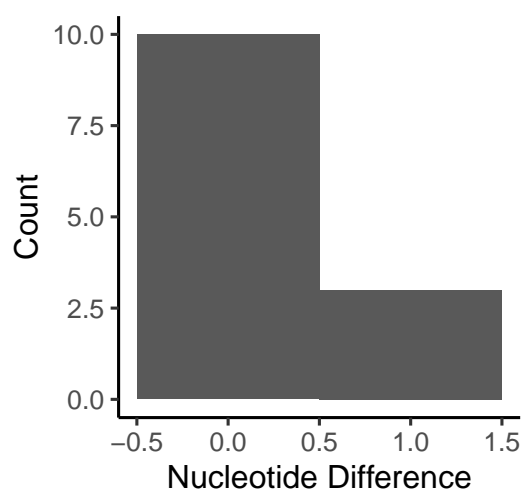
IGHV3–64D*06

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



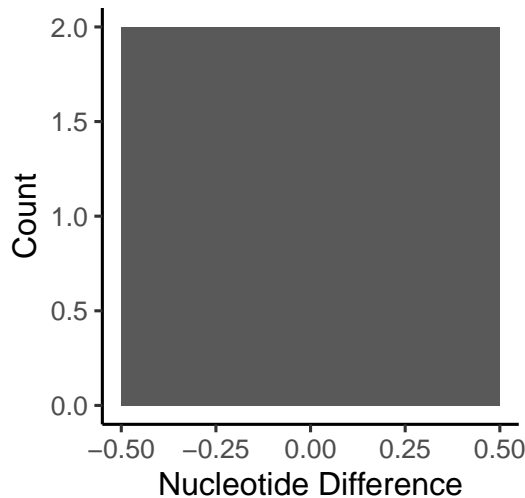
IGHV4–30–2*01

13 sequences assigned
10 (76.9%) exact matches, in which:
10 unique CDR3
4 unique J



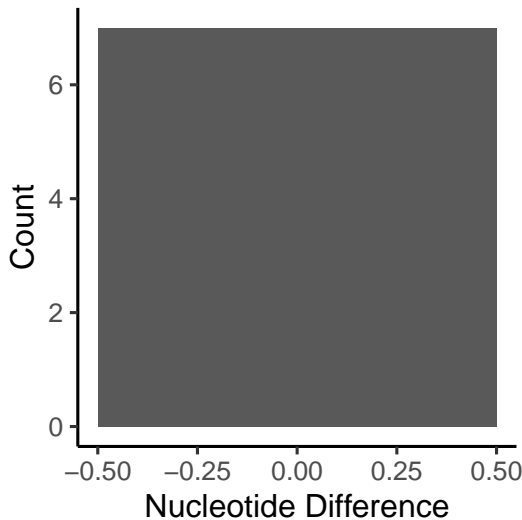
IGHV3–73*02

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



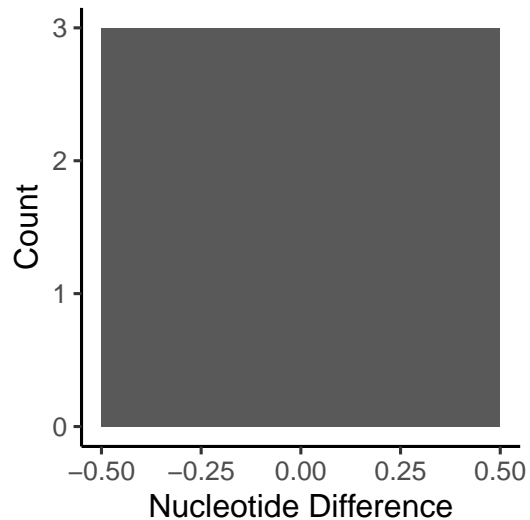
IGHV3–64D*09

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



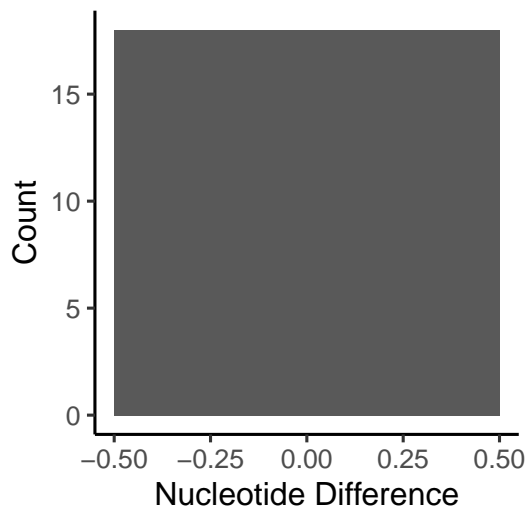
IGHV4–30–4*01

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



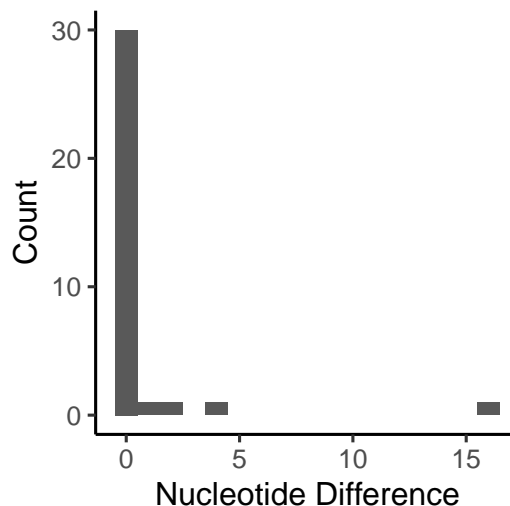
IGHV4-31*03

18 sequences assigned
18 (100%) exact matches, in which:
18 unique CDR3
4 unique J



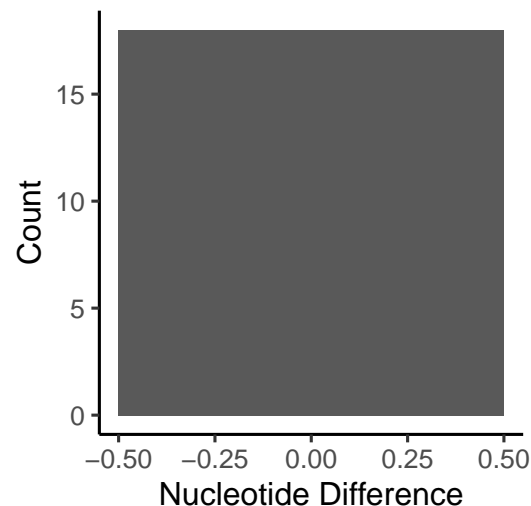
IGHV4-39*07

34 sequences assigned
30 (88.2%) exact matches, in which:
30 unique CDR3
4 unique J



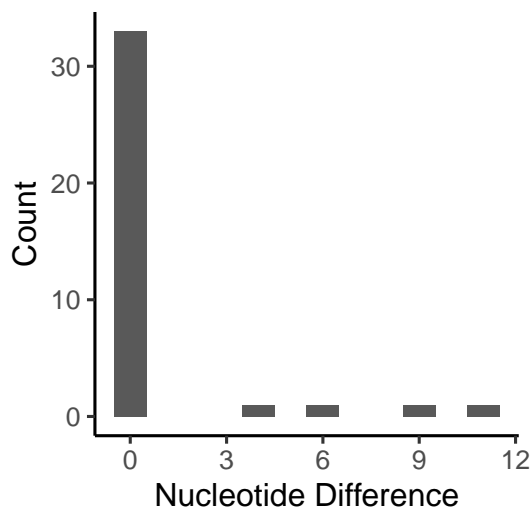
IGHV5-10-1*03

18 sequences assigned
18 (100%) exact matches, in which:
18 unique CDR3
6 unique J



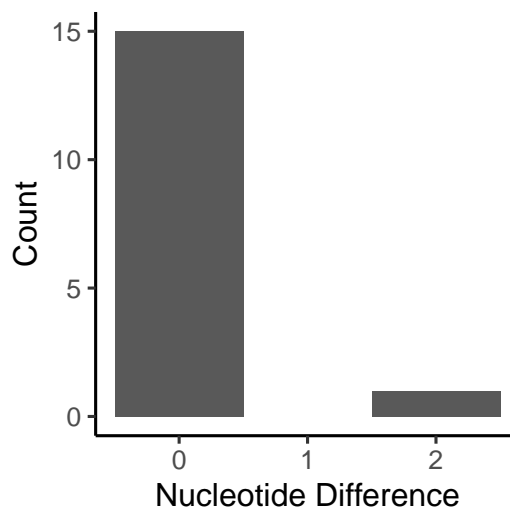
IGHV4-34*01

37 sequences assigned
33 (89.2%) exact matches, in which:
33 unique CDR3
5 unique J



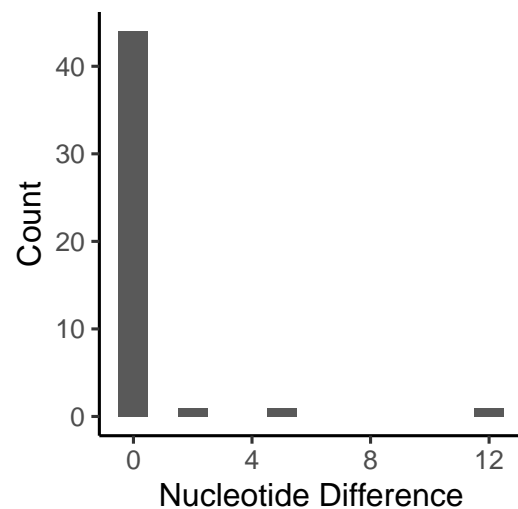
IGHV4-59*01

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



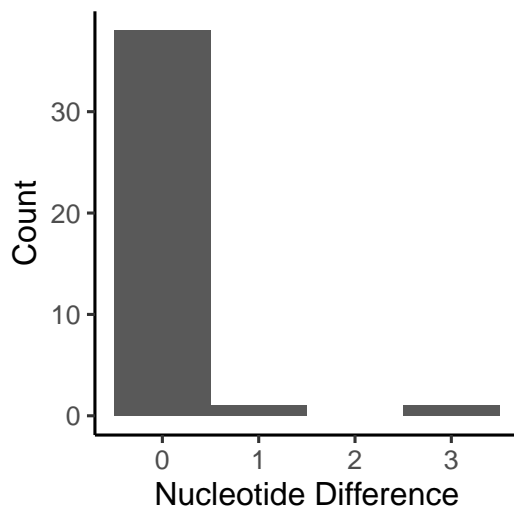
IGHV5-51*01

47 sequences assigned
44 (93.6%) exact matches, in which:
44 unique CDR3
6 unique J



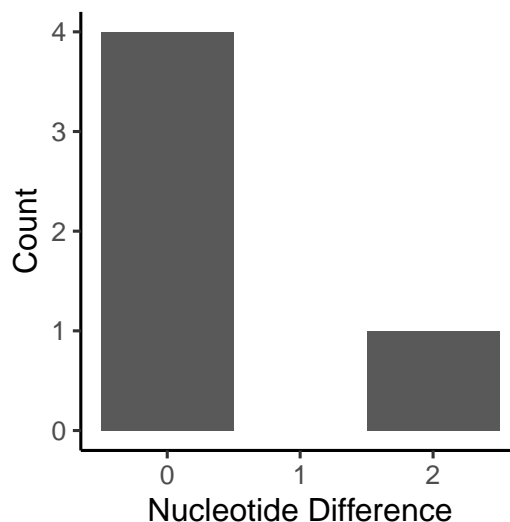
IGHV4-39*01

40 sequences assigned
38 (95%) exact matches, in which:
38 unique CDR3
6 unique J



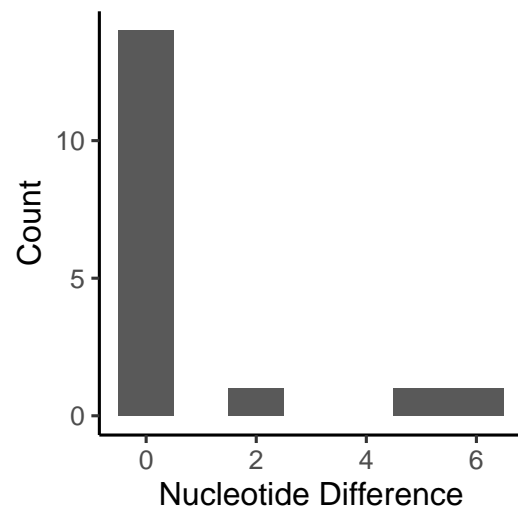
IGHV4-61*01

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

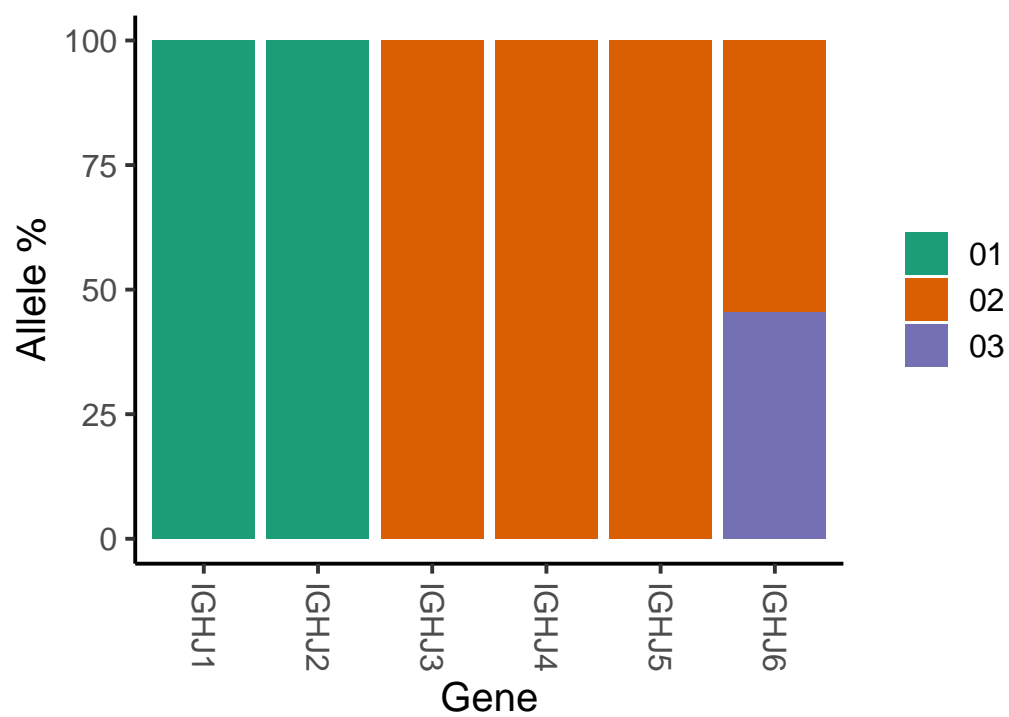


IGHV6-1*01

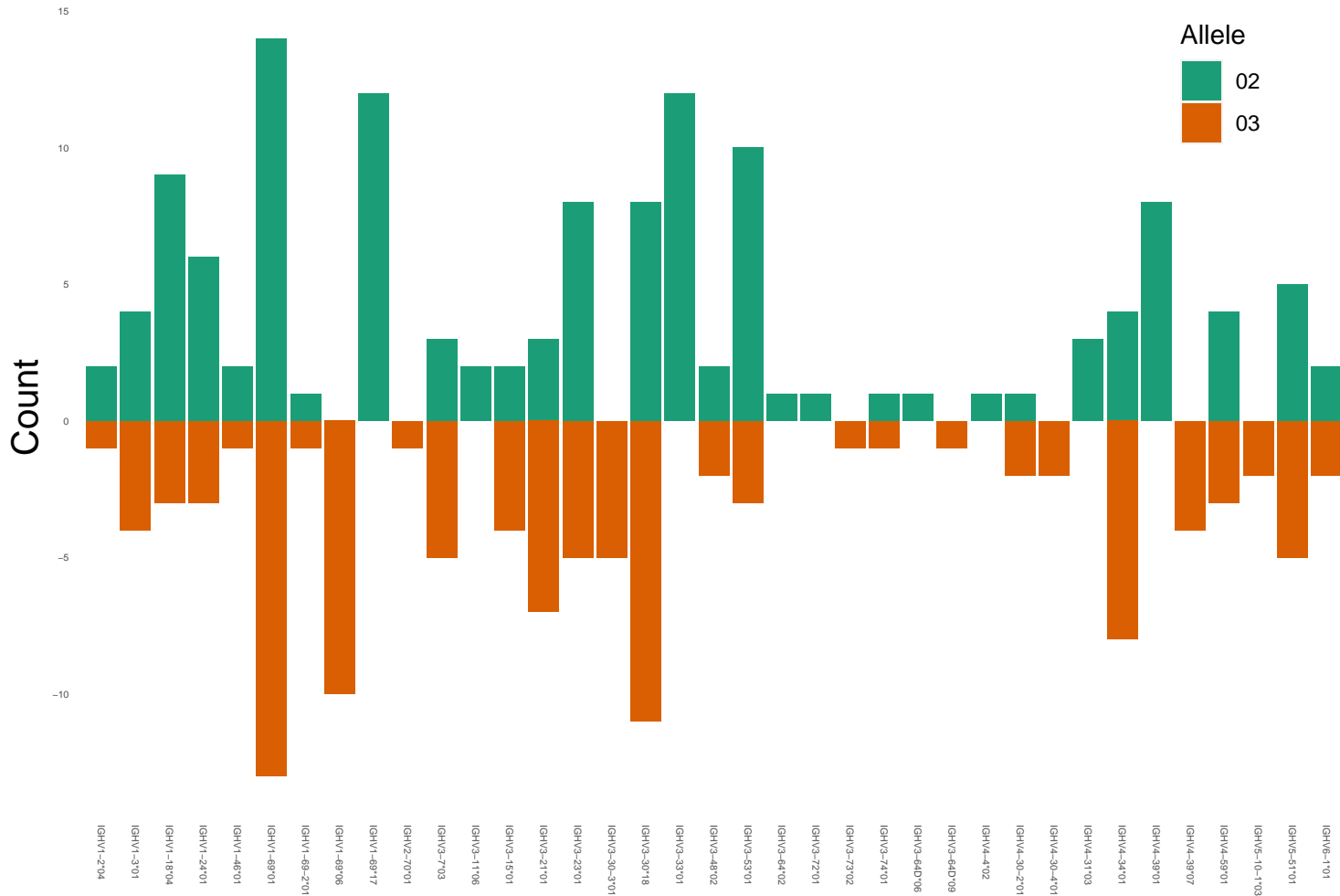
17 sequences assigned
14 (82.4%) exact matches, in which:
14 unique CDR3
5 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.