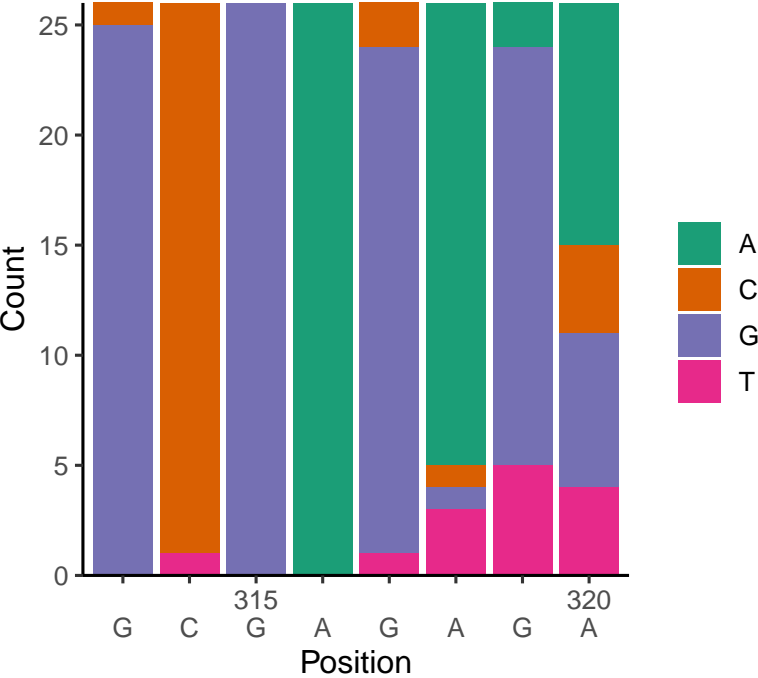
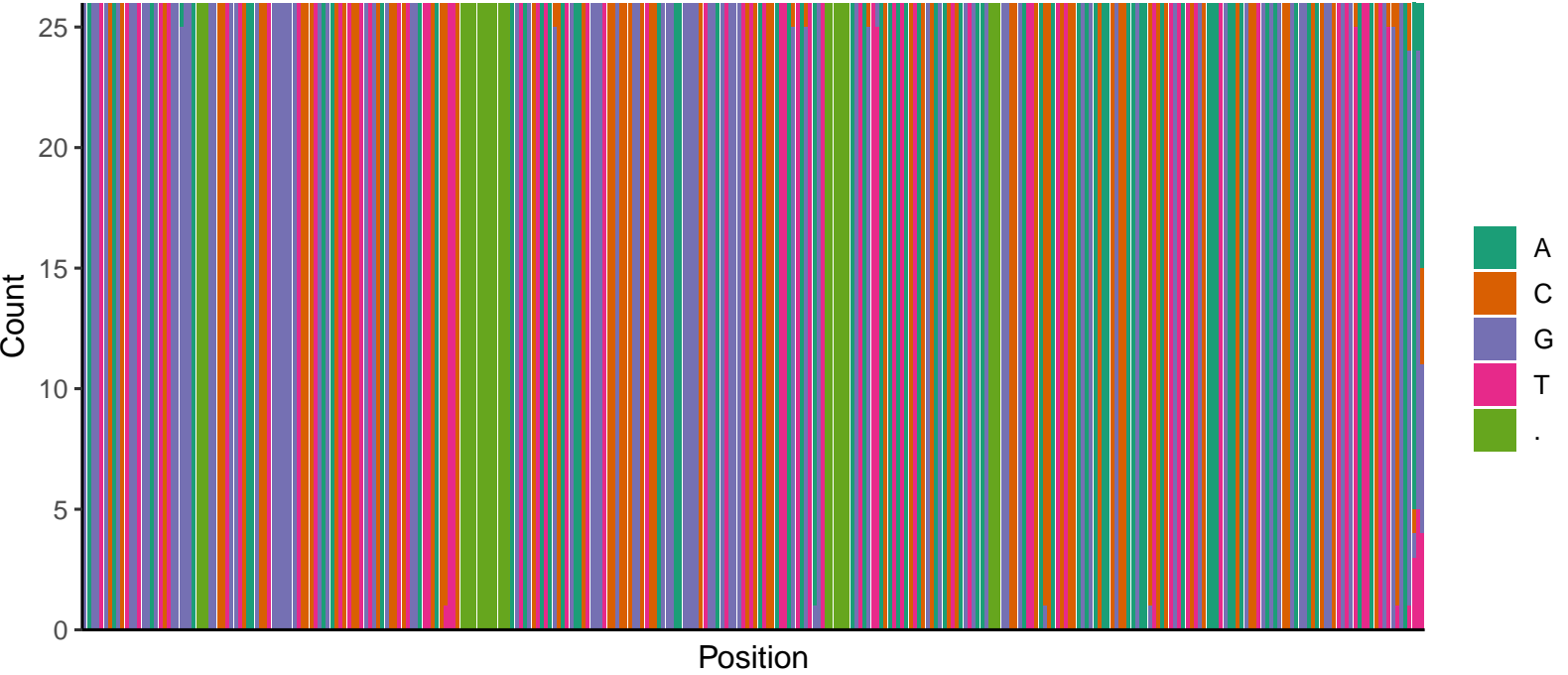


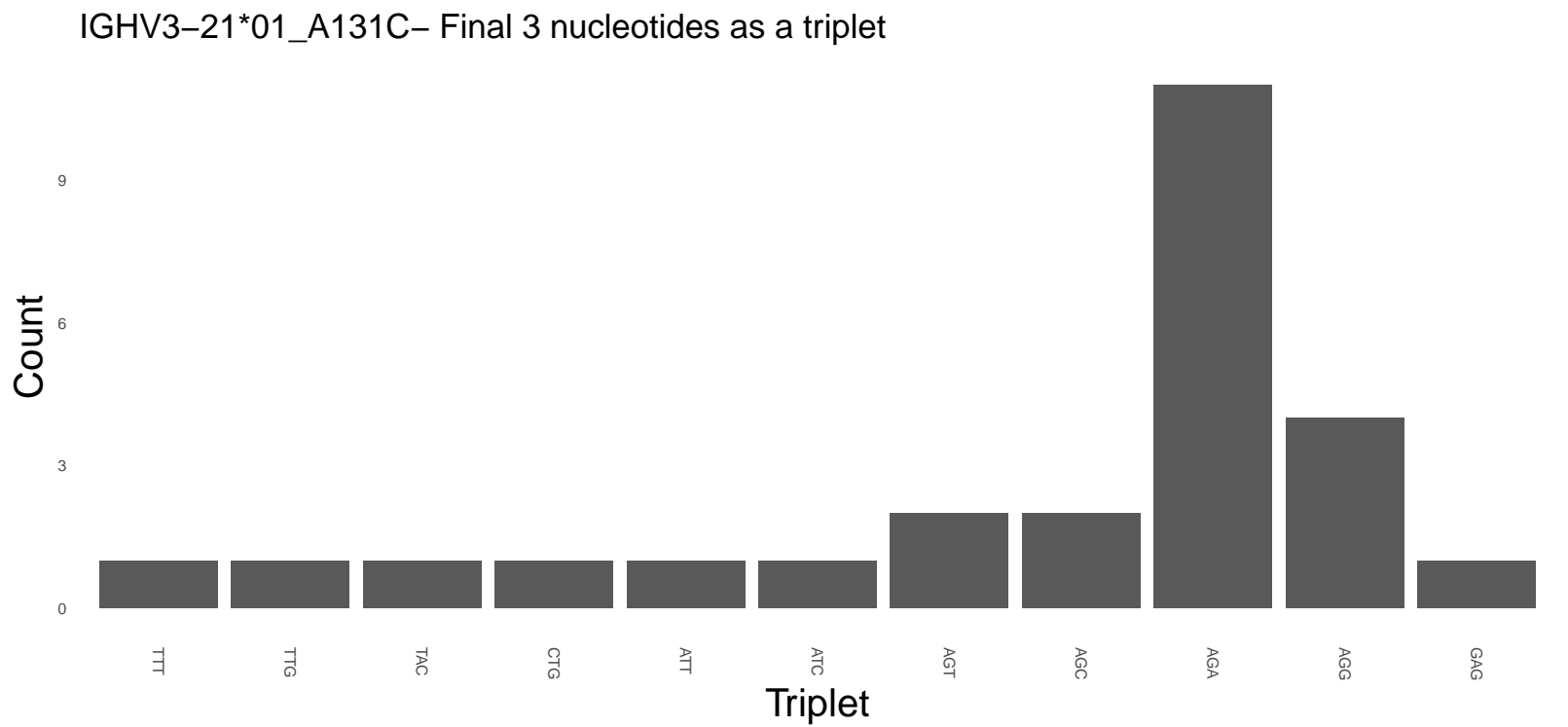
Gene IGHV3-21*01_A131C



Gene IGHV3-21*01_A131C

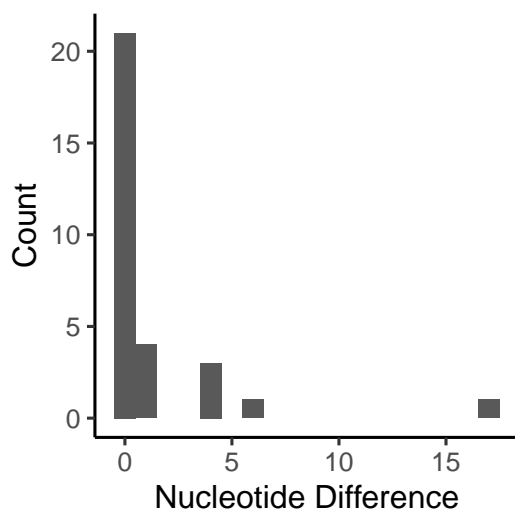


IGHV3-21*01_A131C- Final 3 nucleotides as a triplet



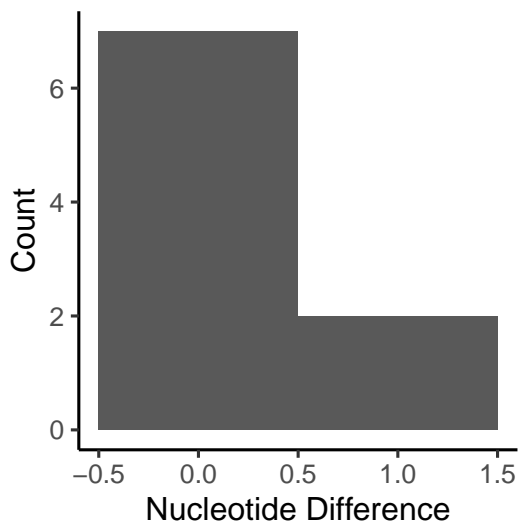
IGHV1-2*02

30 sequences assigned
21 (70%) exact matches, in which:
21 unique CDR3
5 unique J



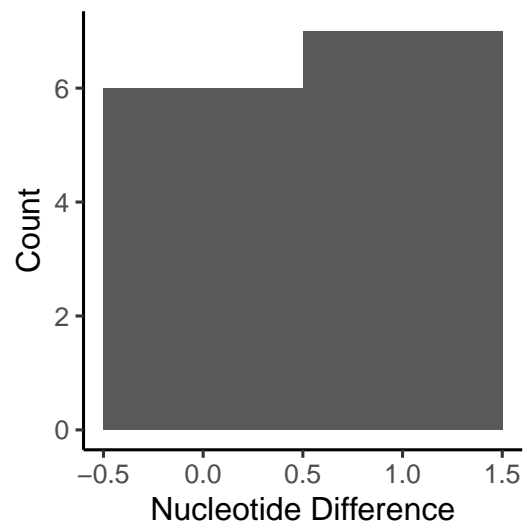
IGHV1-8*01

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



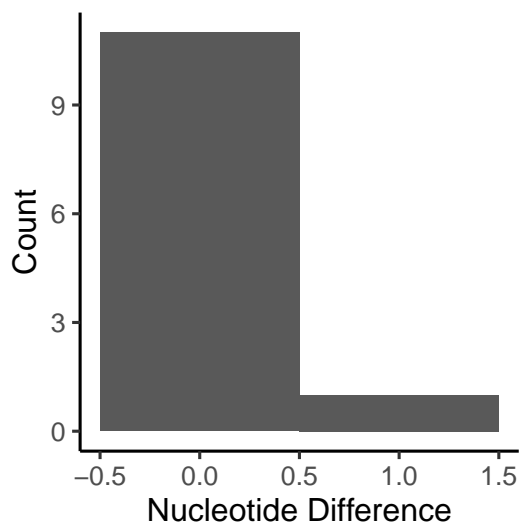
IGHV1-24*01

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



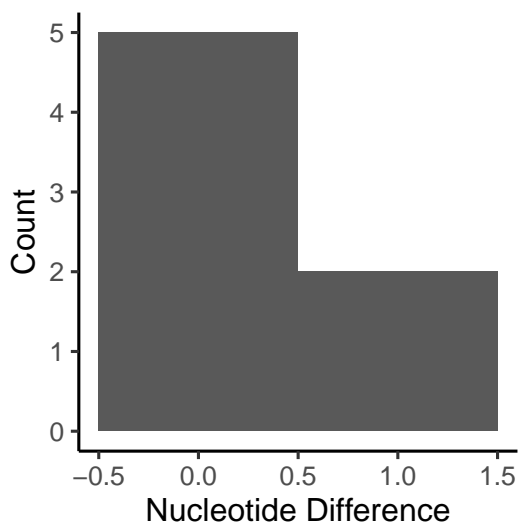
IGHV1-2*04

12 sequences assigned
11 (91.7%) exact matches, in which:
11 unique CDR3
4 unique J



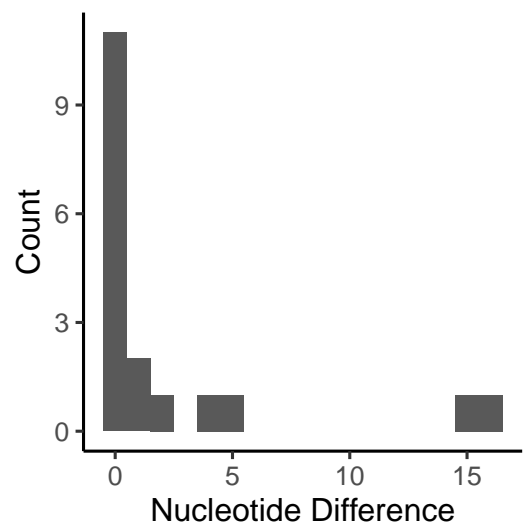
IGHV1-18*01

7 sequences assigned
5 (71.4%) exact matches, in which:
5 unique CDR3
2 unique J



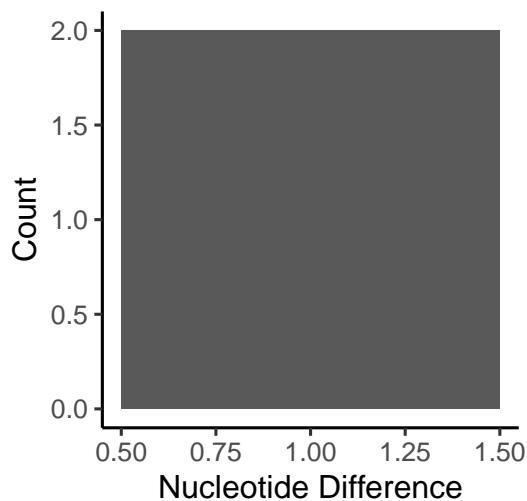
IGHV1-46*01

18 sequences assigned
11 (61.1%) exact matches, in which:
10 unique CDR3
3 unique J



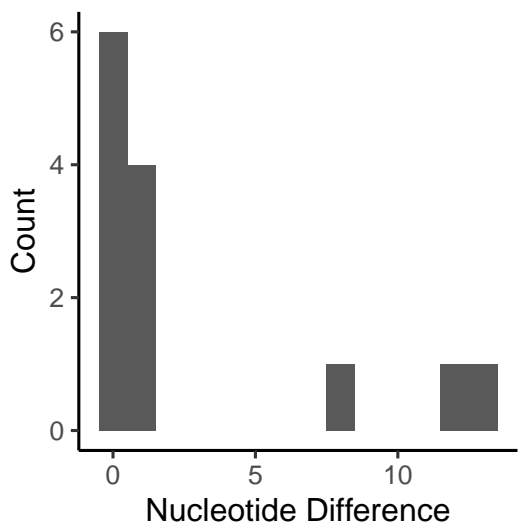
IGHV1-3*01

2 sequences assigned
No exact matches.



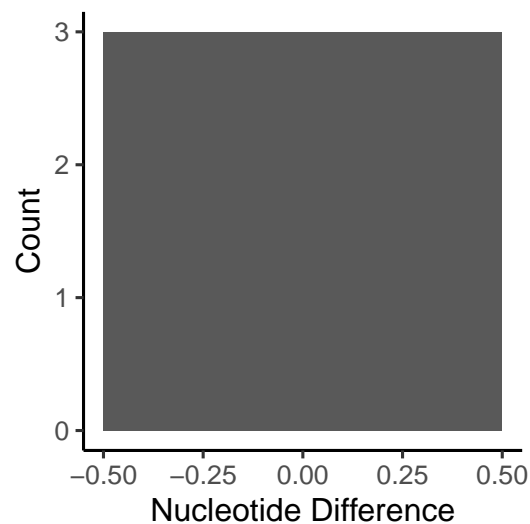
IGHV1-18*04

13 sequences assigned
6 (46.2%) exact matches, in which:
6 unique CDR3
3 unique J



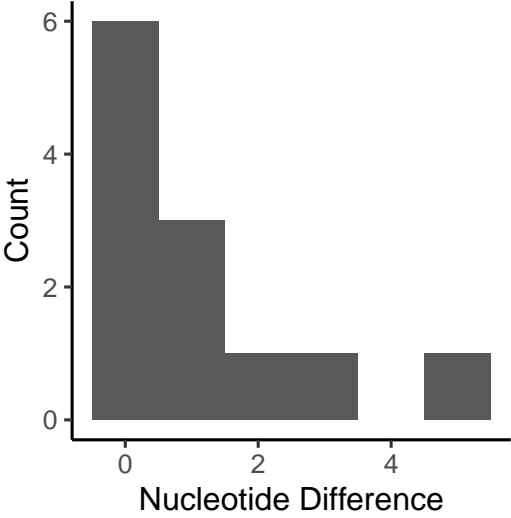
IGHV1-58*01

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



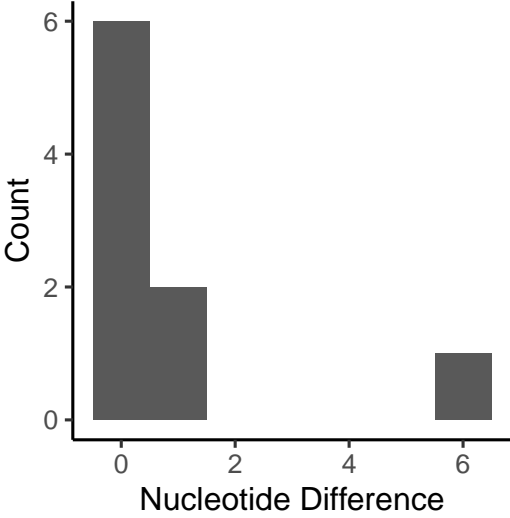
IGHV2–5*02

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



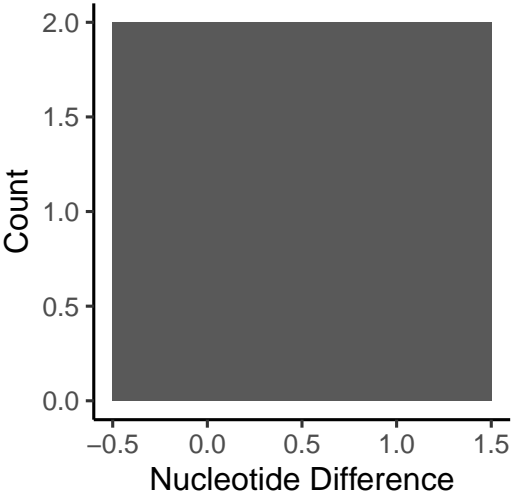
IGHV3–7*03

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



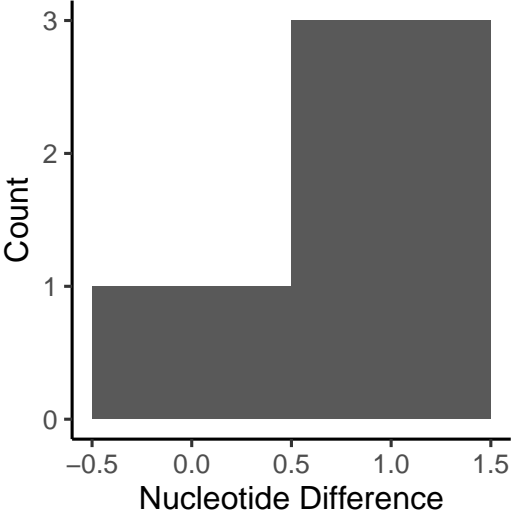
IGHV3–11*06

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



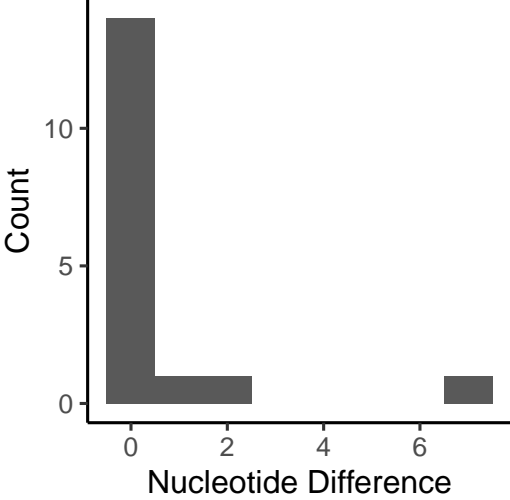
IGHV2–26*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



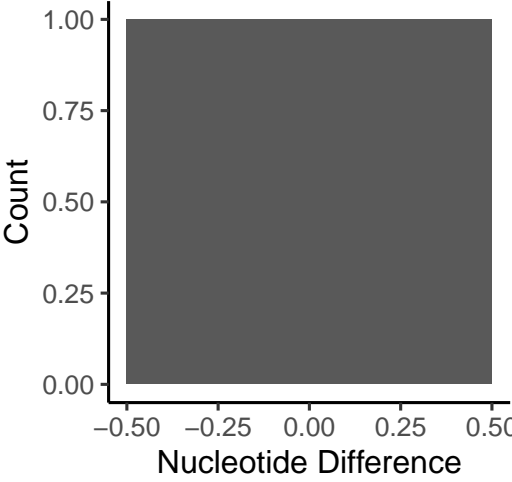
IGHV3–9*01

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



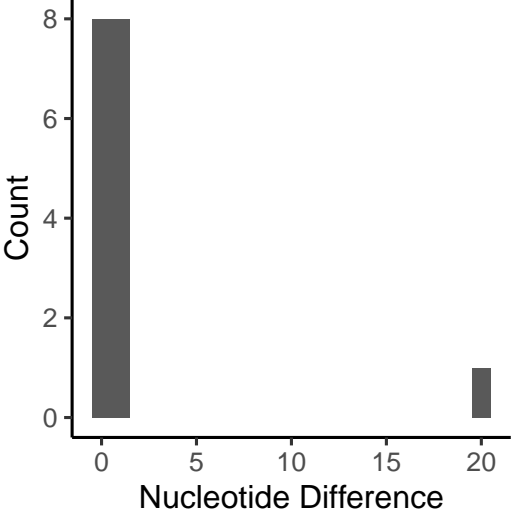
IGHV3–13*01

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



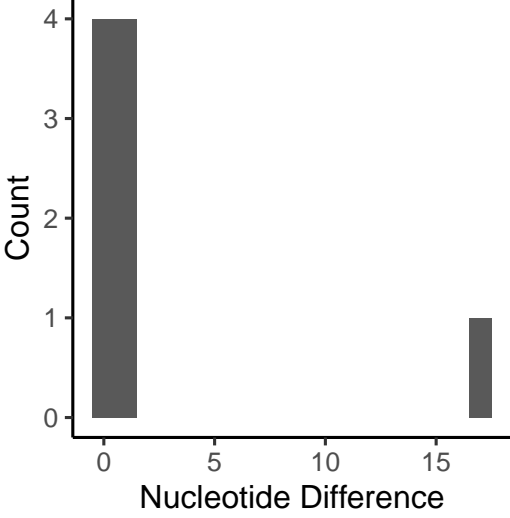
IGHV3–7*01

18 sequences assigned
8 (44.4%) exact matches, in which:
8 unique CDR3
4 unique J



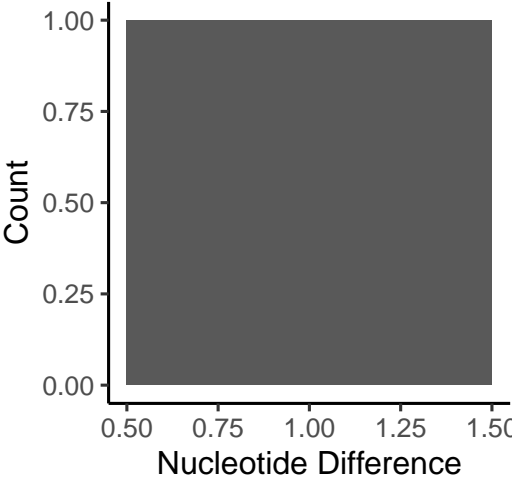
IGHV3–11*01

9 sequences assigned
4 (44.4%) exact matches, in which:
4 unique CDR3
3 unique J



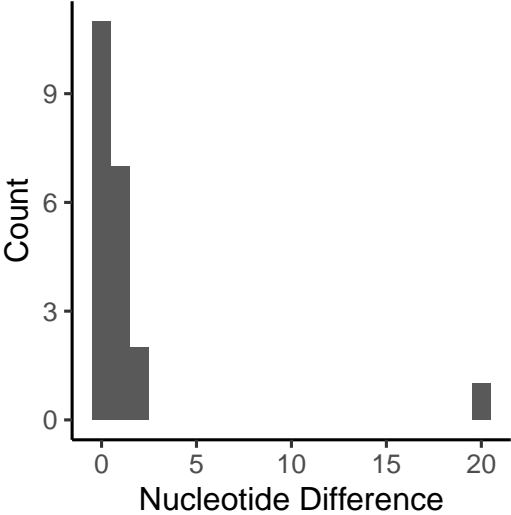
IGHV3–13*05

1 sequences assigned
No exact matches.



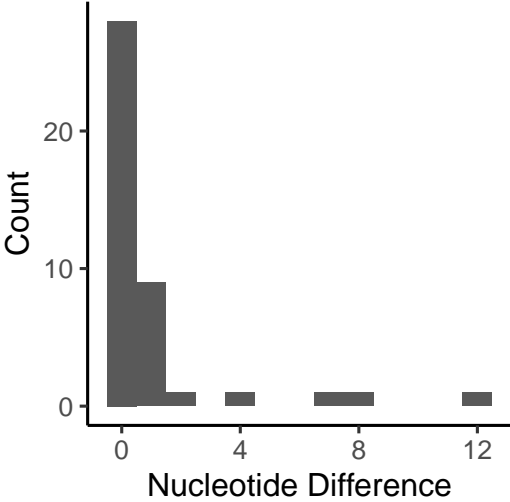
IGHV3-15*01

22 sequences assigned
11 (50%) exact matches, in which:
11 unique CDR3
3 unique J



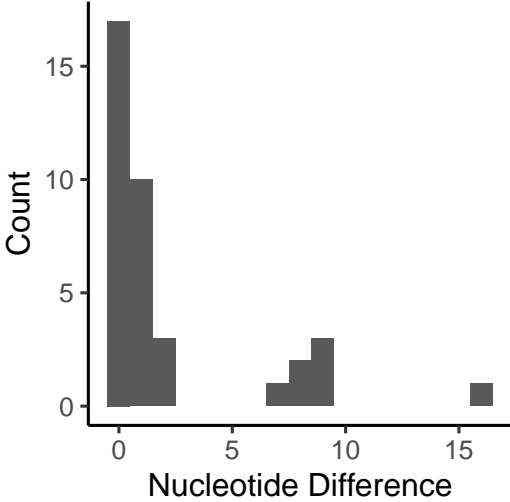
IGHV3-30-3*01

43 sequences assigned
28 (65.1%) exact matches, in which:
28 unique CDR3
5 unique J



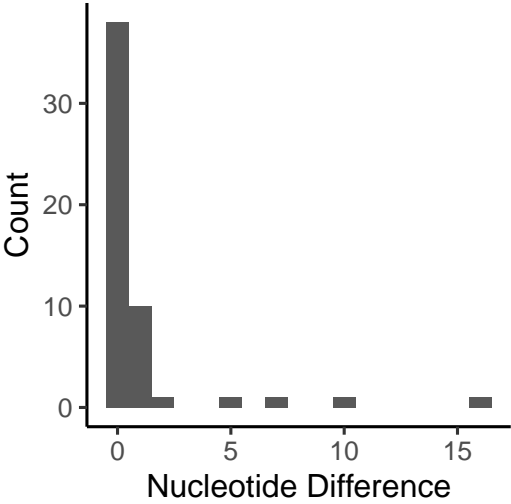
IGHV3-48*02

37 sequences assigned
17 (45.9%) exact matches, in which:
17 unique CDR3
4 unique J



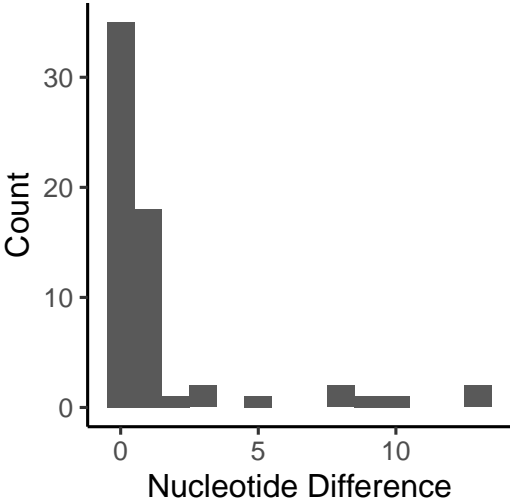
IGHV3-21*01

54 sequences assigned
38 (70.4%) exact matches, in which:
38 unique CDR3
5 unique J



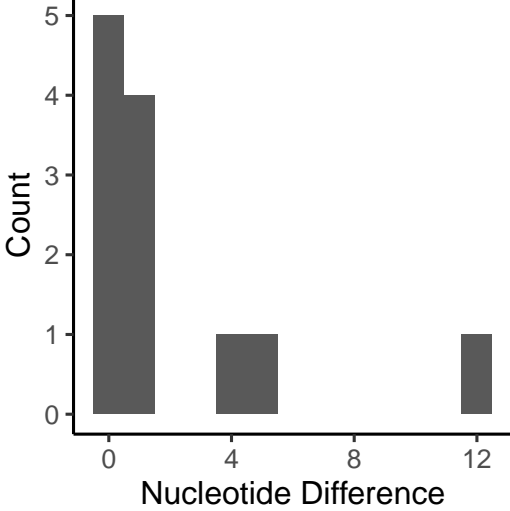
IGHV3-33*01

64 sequences assigned
35 (54.7%) exact matches, in which:
35 unique CDR3
6 unique J



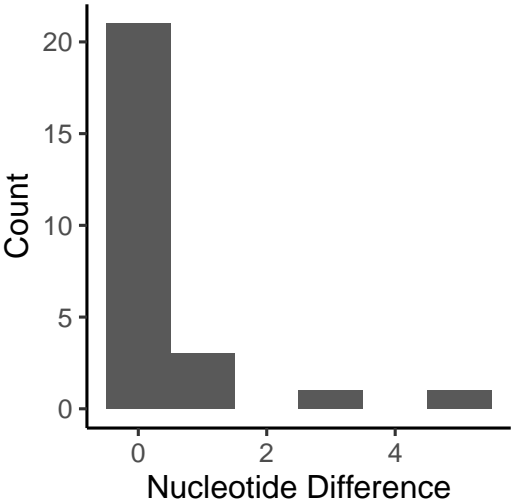
IGHV3-49*05

12 sequences assigned
5 (41.7%) exact matches, in which:
5 unique CDR3
3 unique J



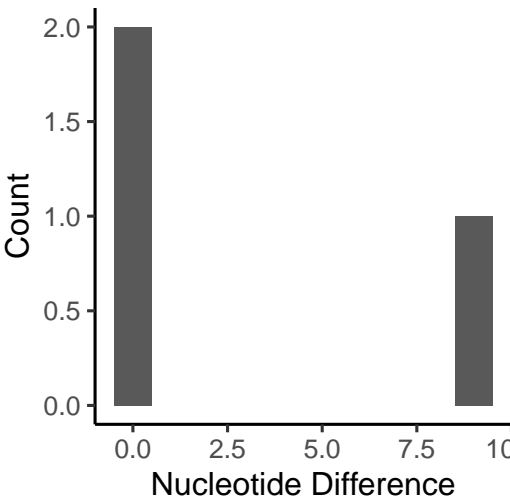
IGHV3-21*01_A131C

26 sequences assigned
21 (80.8%) exact matches, in which:
21 unique CDR3
5 unique J



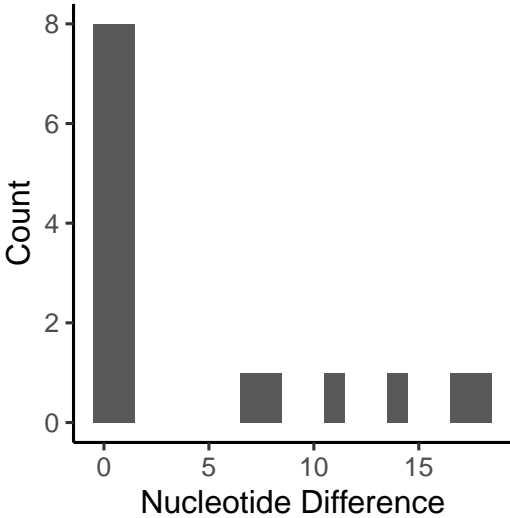
IGHV3-43*01

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



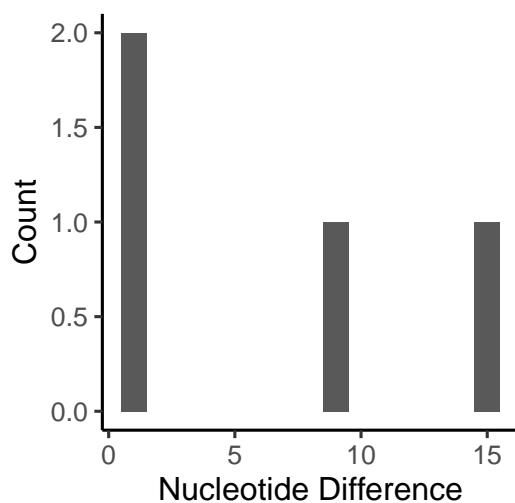
IGHV3-53*01

22 sequences assigned
8 (36.4%) exact matches, in which:
8 unique CDR3
3 unique J



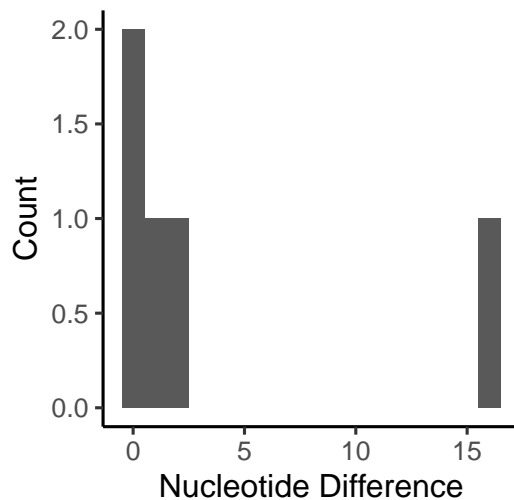
IGHV3-72*01

4 sequences assigned
No exact matches.



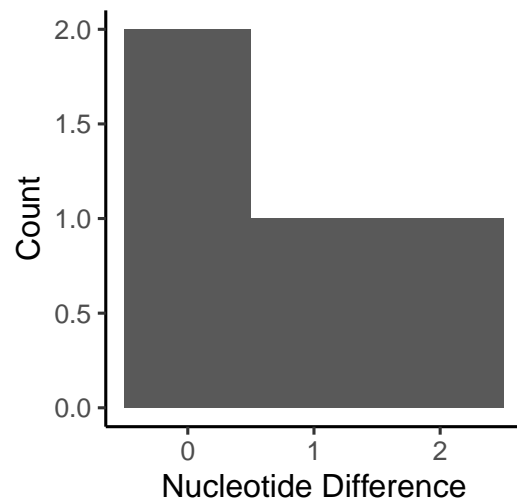
IGHV3-64D*06

5 sequences assigned
2 (40%) exact matches, in which:
2 unique CDR3
2 unique J



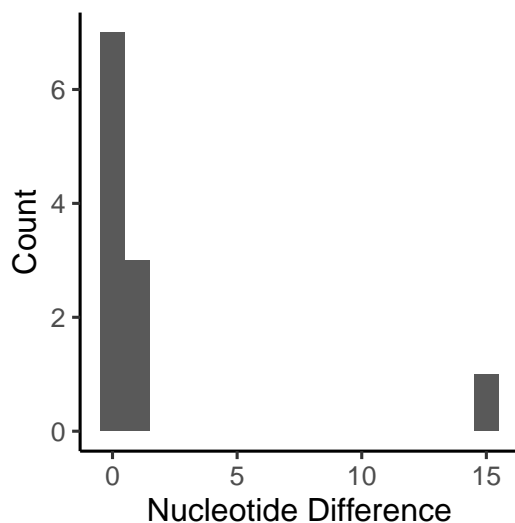
IGHV4-4*07

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



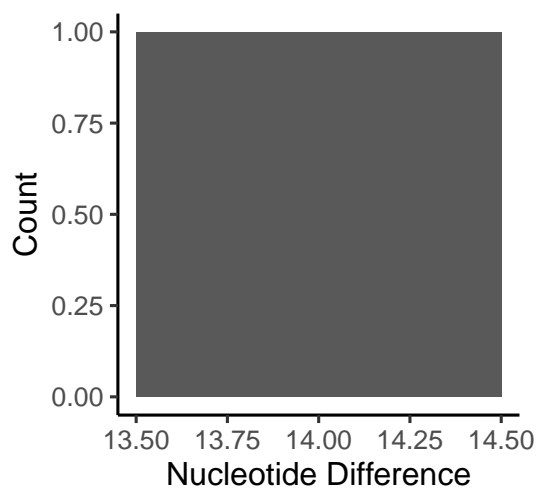
IGHV3-73*02

11 sequences assigned
7 (63.6%) exact matches, in which:
7 unique CDR3
4 unique J



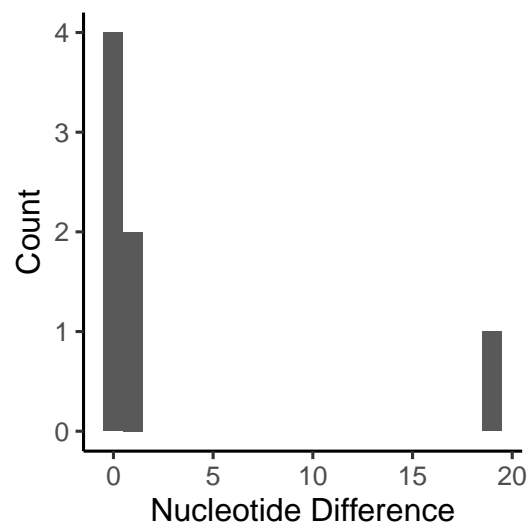
IGHV3-64D*08

1 sequences assigned
No exact matches.



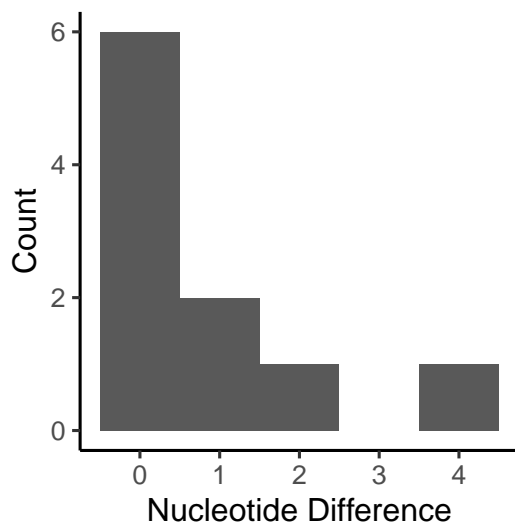
IGHV4-30-4*01

7 sequences assigned
4 (57.1%) exact matches, in which:
4 unique CDR3
2 unique J



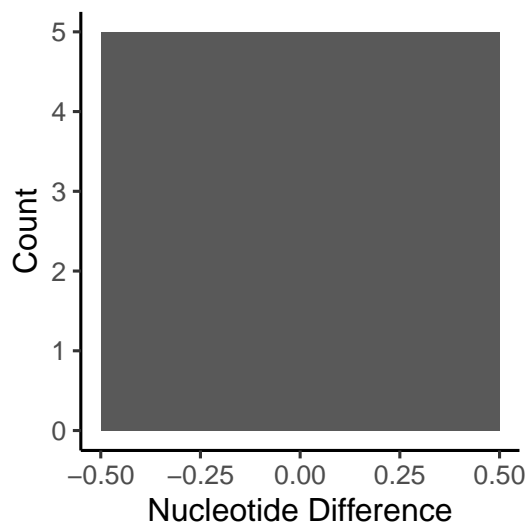
IGHV3-74*01

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



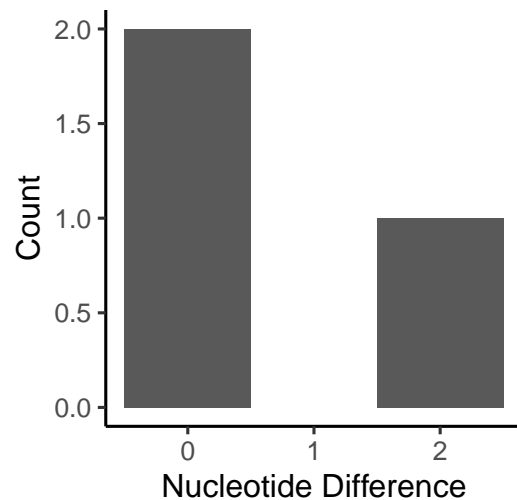
IGHV4-4*02

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



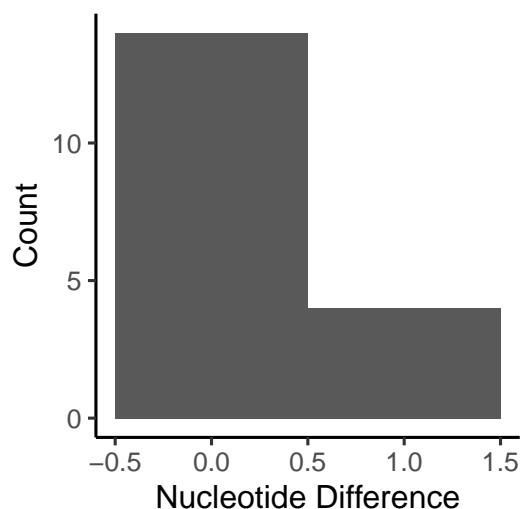
IGHV4-30-2*01

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



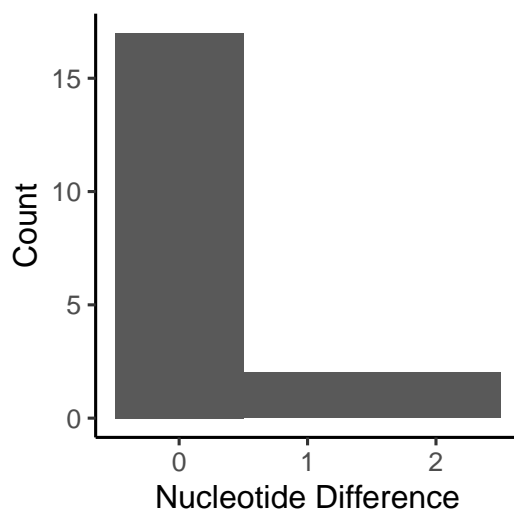
IGHV4–31*03

18 sequences assigned
14 (77.8%) exact matches, in which:
14 unique CDR3
5 unique J



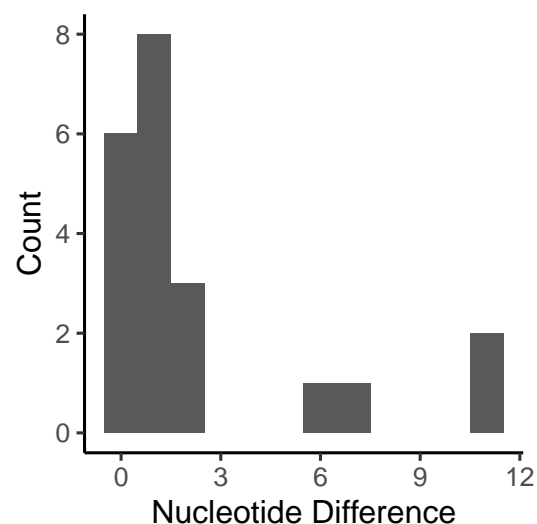
IGHV4–59*01

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



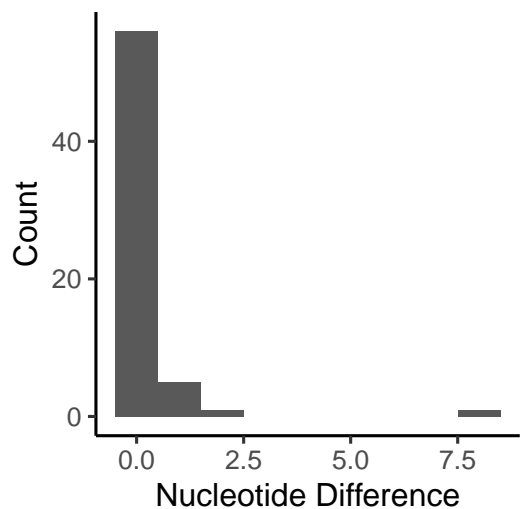
IGHV5–51*01

21 sequences assigned
6 (28.6%) exact matches, in which:
6 unique CDR3
3 unique J



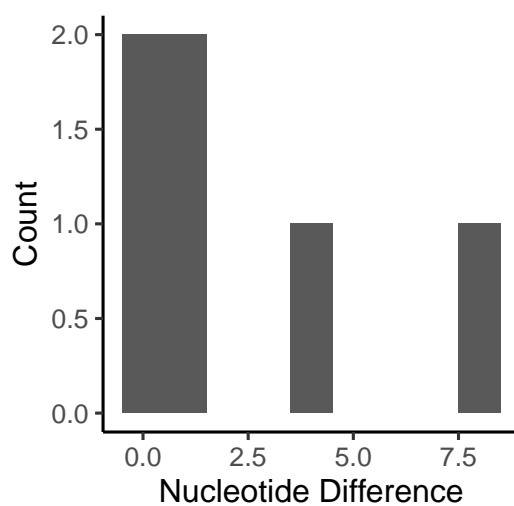
IGHV4–34*01

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



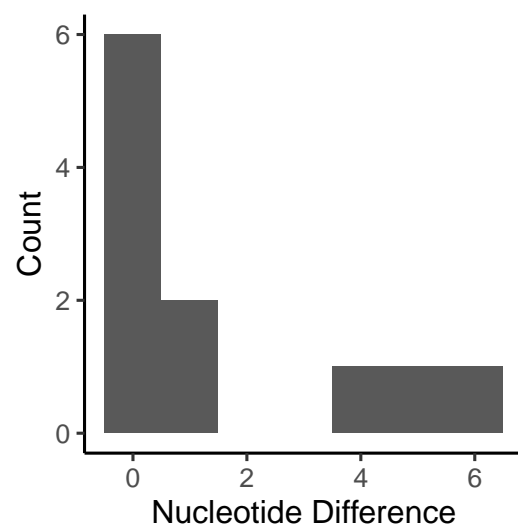
IGHV4–61*01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
2 unique J



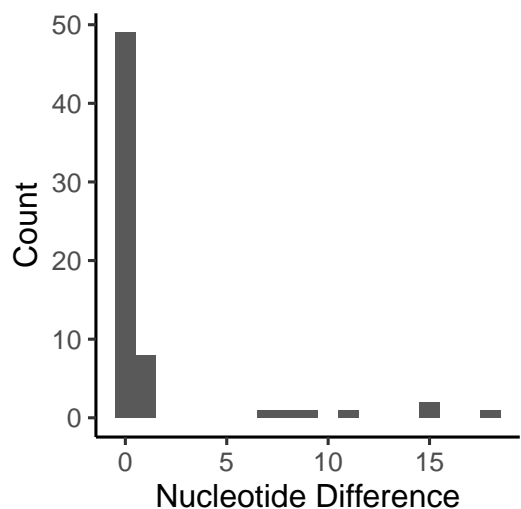
IGHV6–1*01

11 sequences assigned
6 (54.5%) exact matches, in which:
6 unique CDR3
3 unique J



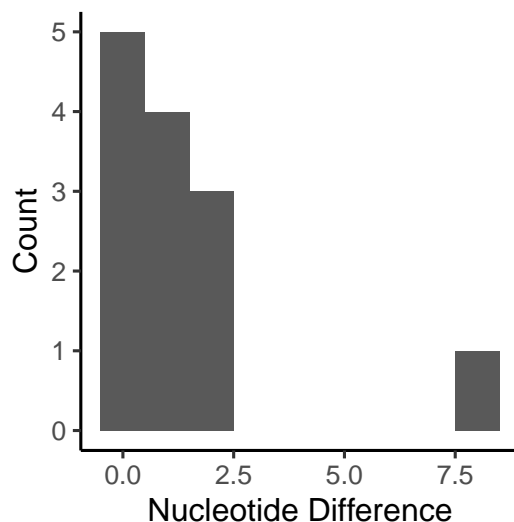
IGHV4–39*01

64 sequences assigned
49 (76.6%) exact matches, in which:
49 unique CDR3
5 unique J



IGHV5–10–1*03

13 sequences assigned
5 (38.5%) exact matches, in which:
5 unique CDR3
3 unique J





[illegible]