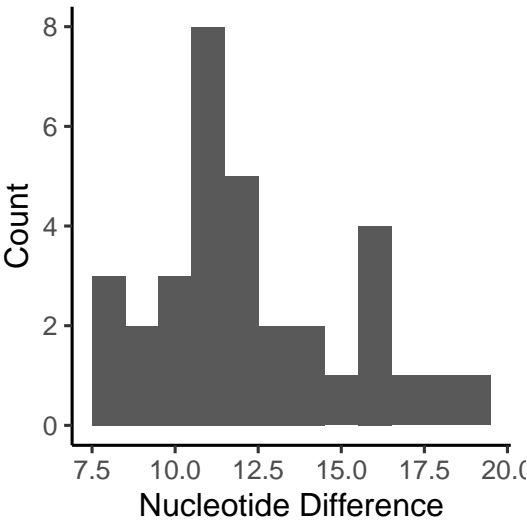


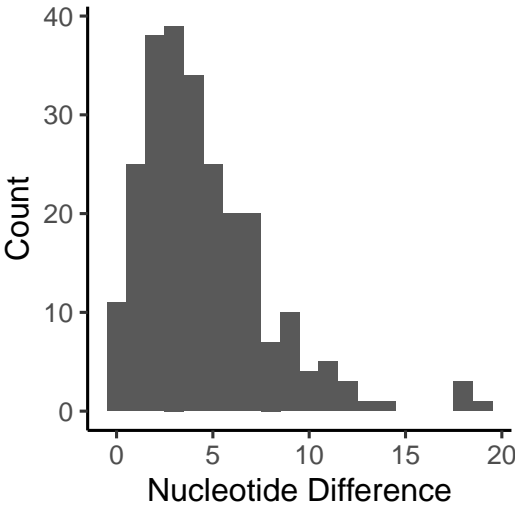
IGHV1-84*01_S0240

50 sequences assigned
No exact matches.



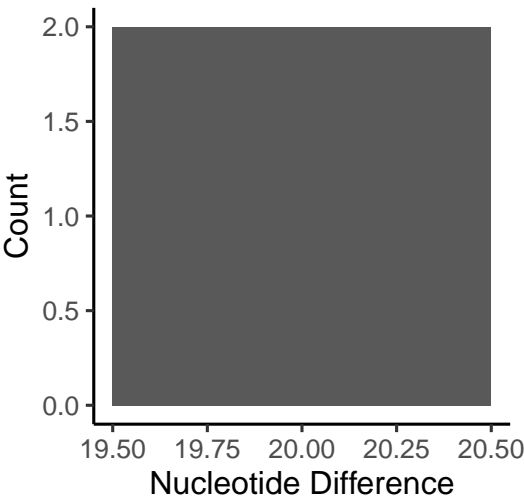
IGHV2-69*02_S0779

281 sequences assigned
11 (3.9%) exact matches, in which:
5 unique CDR3
1 unique J



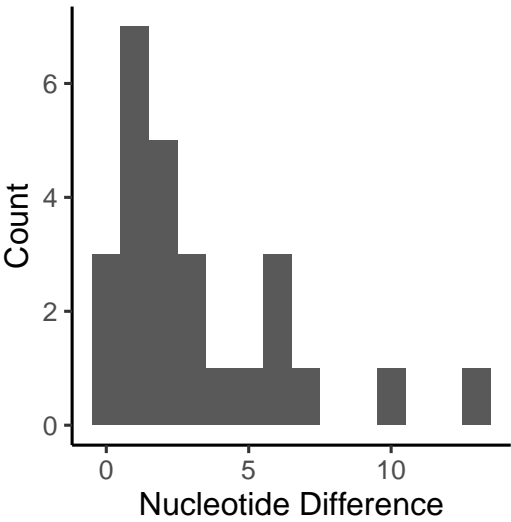
IGHV3-37*01_S6630

207 sequences assigned
No exact matches.



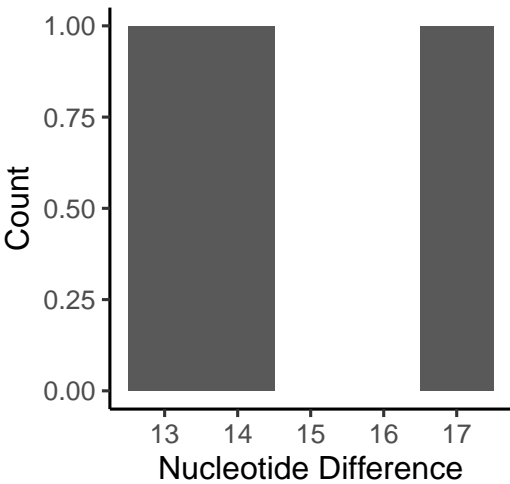
IGHV1-138*01_S2593

26 sequences assigned
3 (11.5%) exact matches, in which:
2 unique CDR3
1 unique J



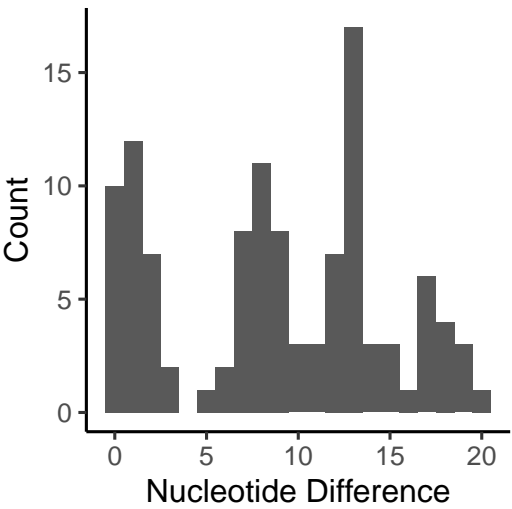
IGHV2-118*01_S6364

3 sequences assigned
No exact matches.



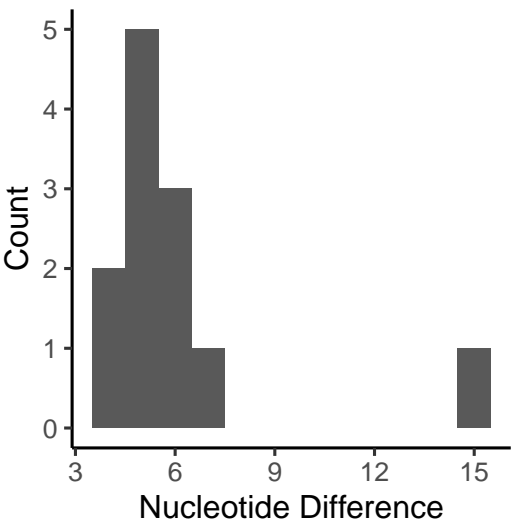
IGHV3-50*01_S1879

114 sequences assigned
10 (8.8%) exact matches, in which:
8 unique CDR3
1 unique J



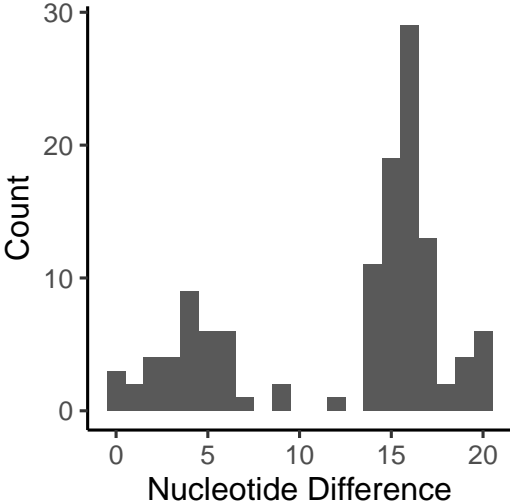
IGHV2-7*02_S4285

12 sequences assigned
No exact matches.



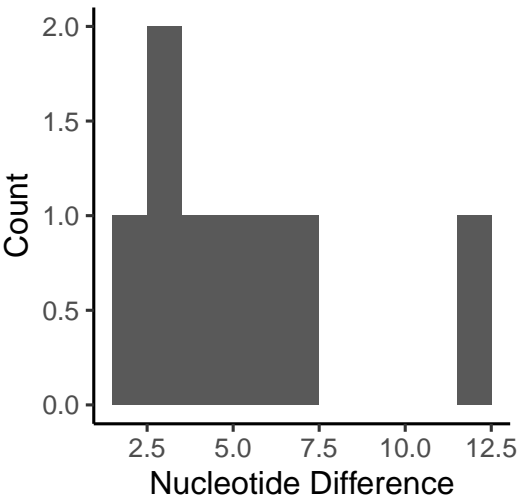
IGHV2-NL_1*01_S7874

133 sequences assigned
3 (2.3%) exact matches, in which:
2 unique CDR3
1 unique J



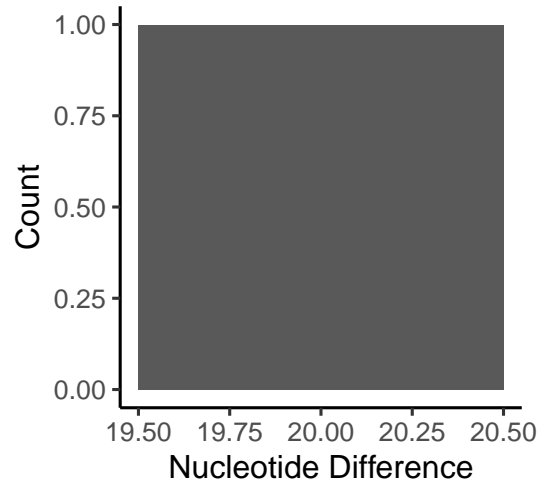
IGHV3-53*01_S2000

8 sequences assigned
No exact matches.



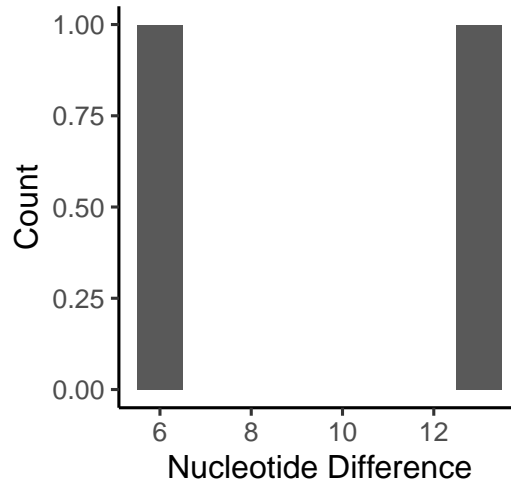
IGHV3-73*02_S7884

1 sequences assigned
No exact matches.



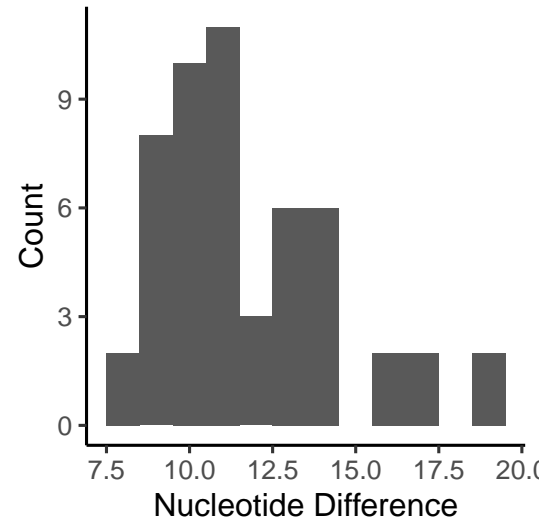
IGHV3-100*01_S4375

2 sequences assigned
No exact matches.



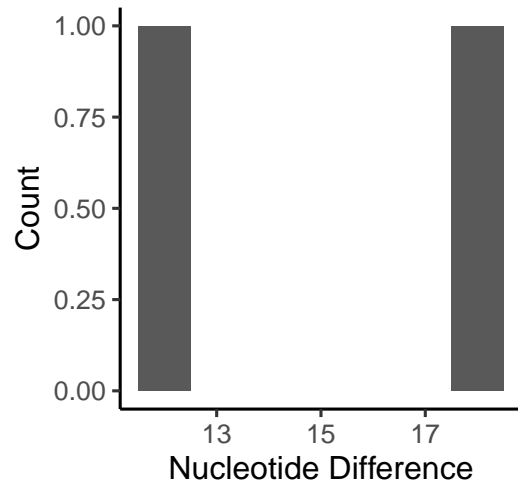
IGHV3-175*01_S1248

56 sequences assigned
No exact matches.



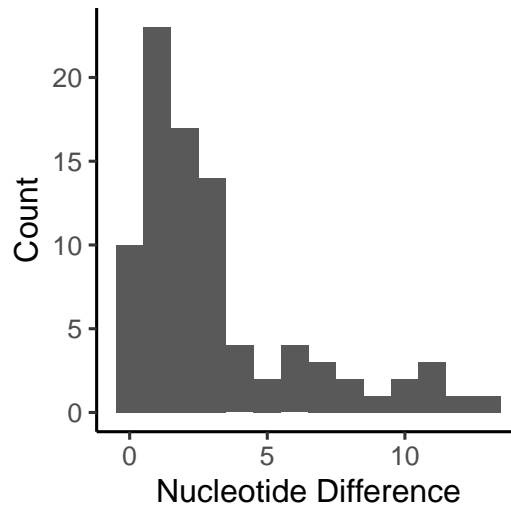
IGHV3-88*02_S1355

2 sequences assigned
No exact matches.



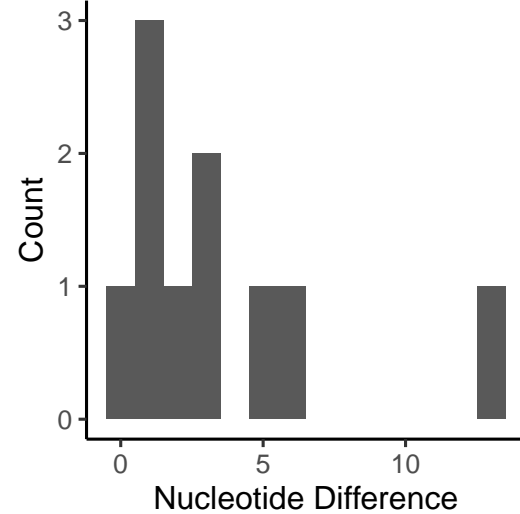
IGHV3-127*01_S5510

87 sequences assigned
10 (11.5%) exact matches, in which:
4 unique CDR3
1 unique J



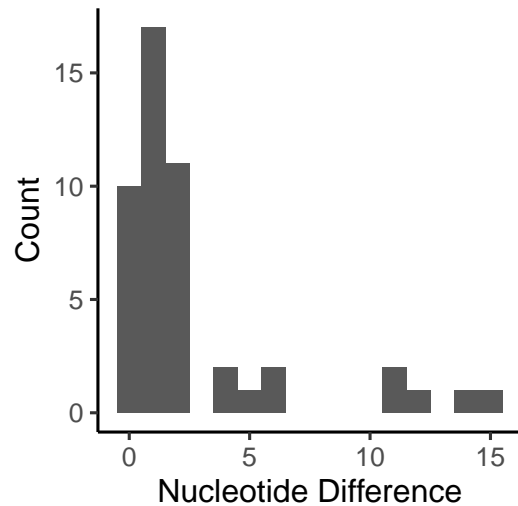
IGHV3-177*01_S5369

85 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



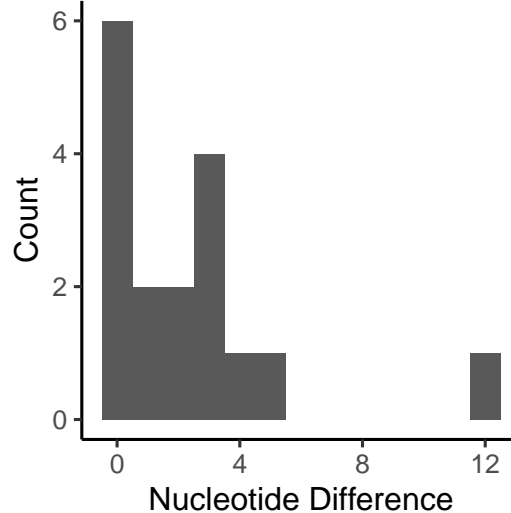
IGHV3-94*01_S3427

48 sequences assigned
10 (20.8%) exact matches, in which:
6 unique CDR3
1 unique J



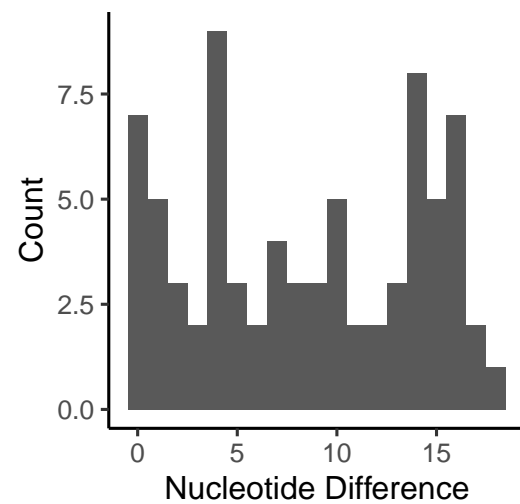
IGHV3-128*02_S0204

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



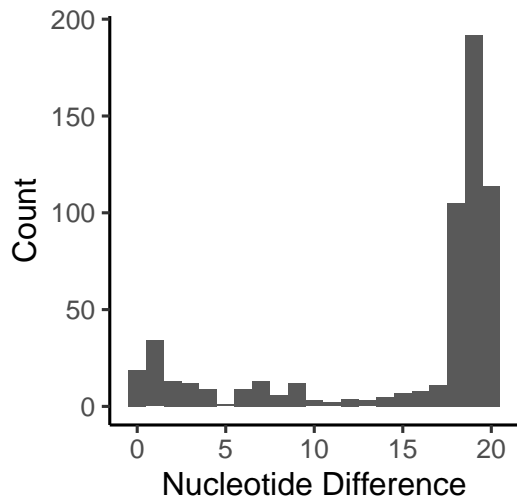
IGHV3-NL_1*01_S9854

86 sequences assigned
7 (8.1%) exact matches, in which:
6 unique CDR3
1 unique J



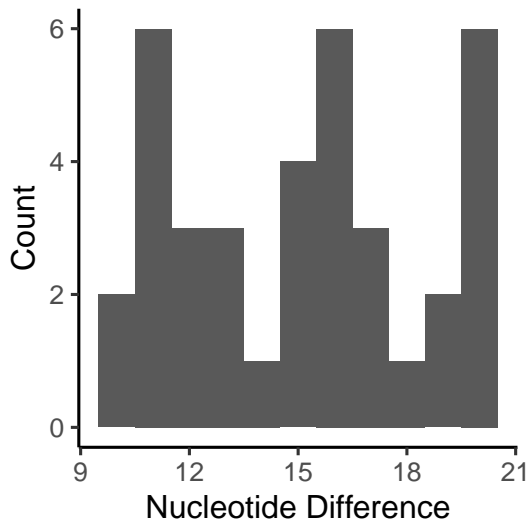
IGHV3–NL_11*01_S3736

931 sequences assigned
19 (2%) exact matches, in which:
10 unique CDR3
1 unique J



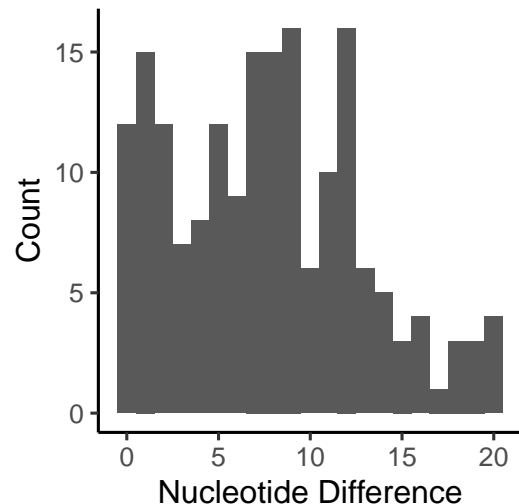
IGHV3–NL_9*01_S6098

65 sequences assigned
No exact matches.



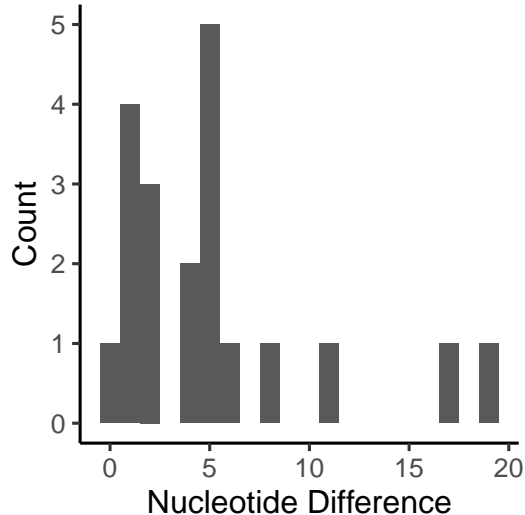
IGHV4–149*01_S1166

249 sequences assigned
12 (4.8%) exact matches, in which:
11 unique CDR3
1 unique J



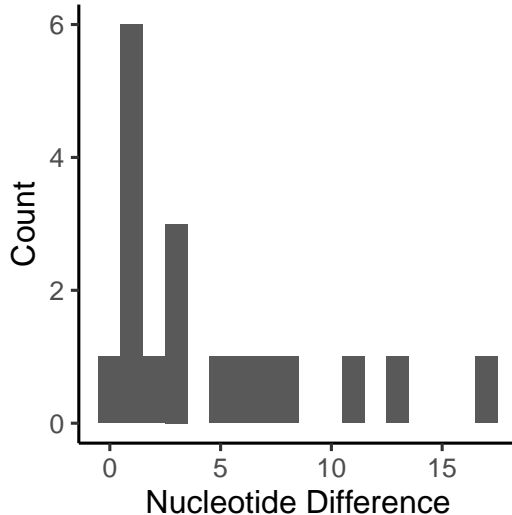
IGHV3–NL_14*01_S0218

20 sequences assigned
1 (5%) exact matches, in which:
1 unique CDR3
1 unique J



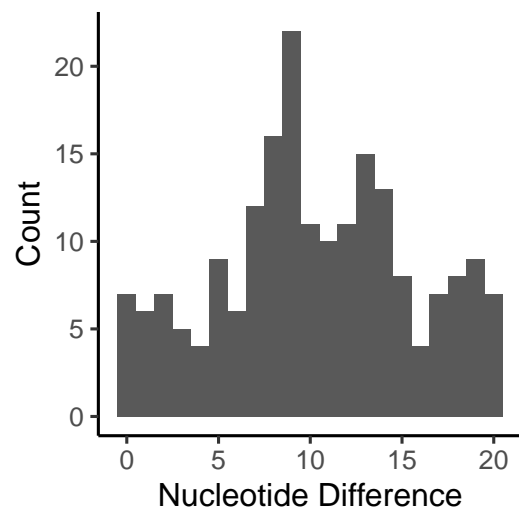
IGHV4–67*02_S8103

18 sequences assigned
1 (5.6%) exact matches, in which:
1 unique CDR3
1 unique J



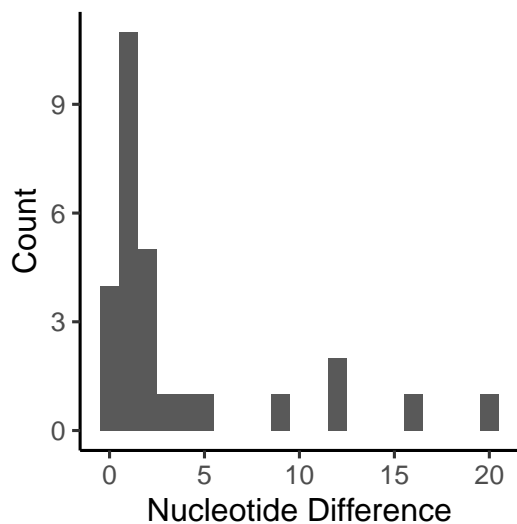
IGHV4–149*01_S1430

223 sequences assigned
7 (3.1%) exact matches, in which:
7 unique CDR3
1 unique J



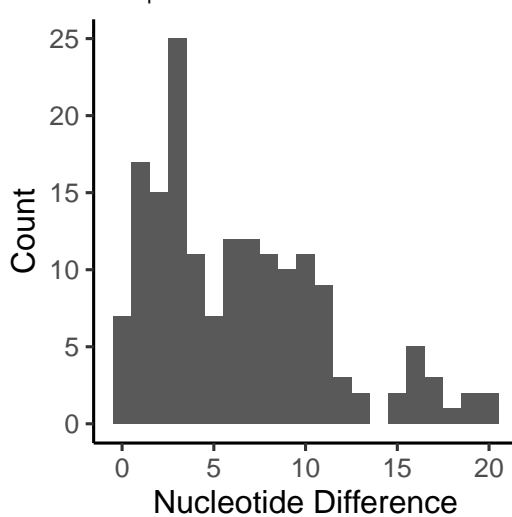
IGHV3–NL_17*01_S4736

28 sequences assigned
4 (14.3%) exact matches, in which:
2 unique CDR3
1 unique J



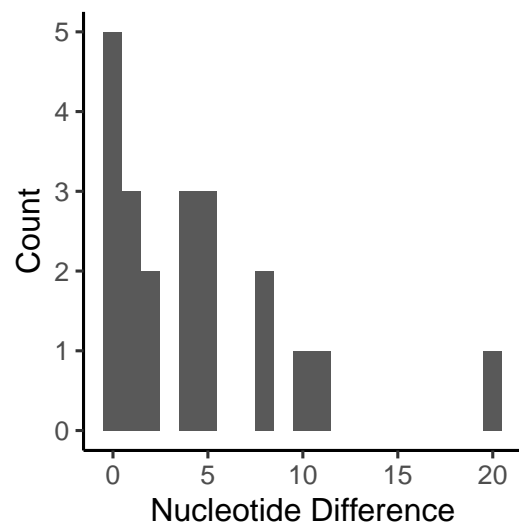
IGHV4–93*01_S0998

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



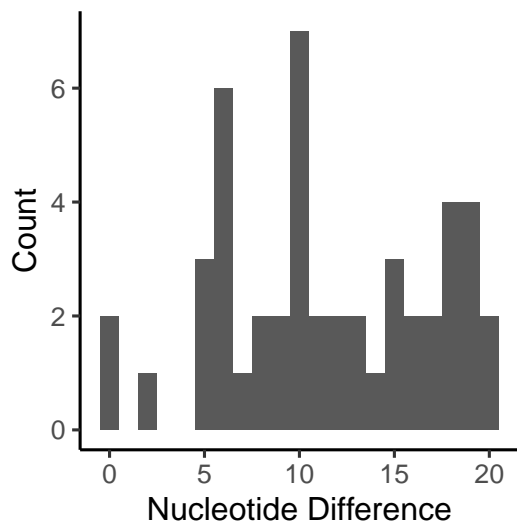
IGHV4–150*01_S2067

26 sequences assigned
5 (19.2%) exact matches, in which:
4 unique CDR3
1 unique J



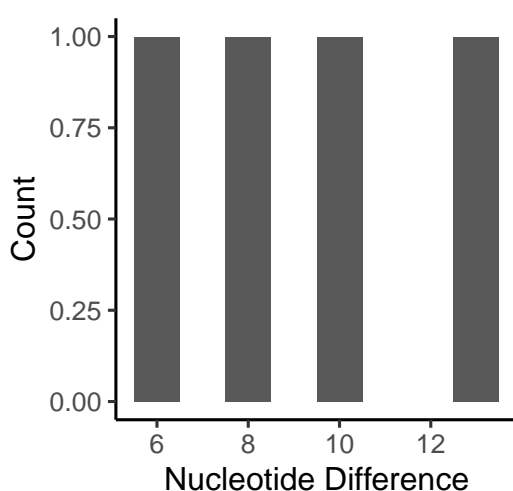
IGHV4-NL_1*01_S4155

52 sequences assigned
2 (3.8%) exact matches, in which:
1 unique CDR3
1 unique J



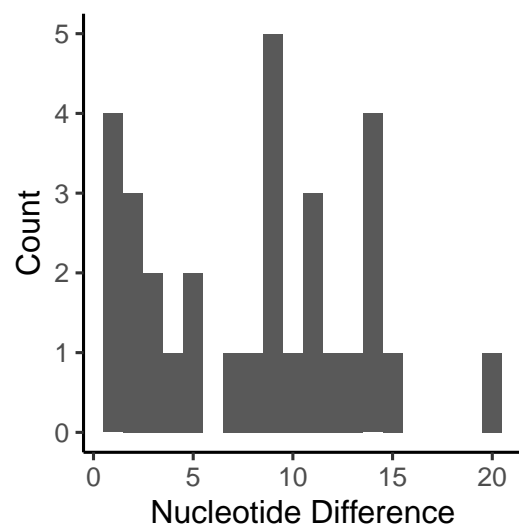
IGHV4-NL_11*01_S0325

4 sequences assigned
No exact matches.



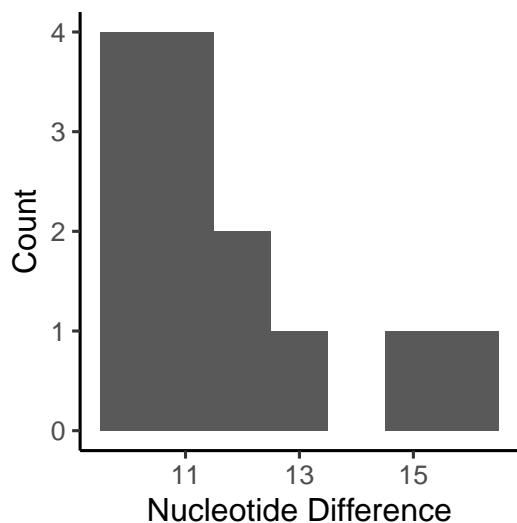
IGHV4-NL_22*01_S2393

76 sequences assigned
No exact matches.



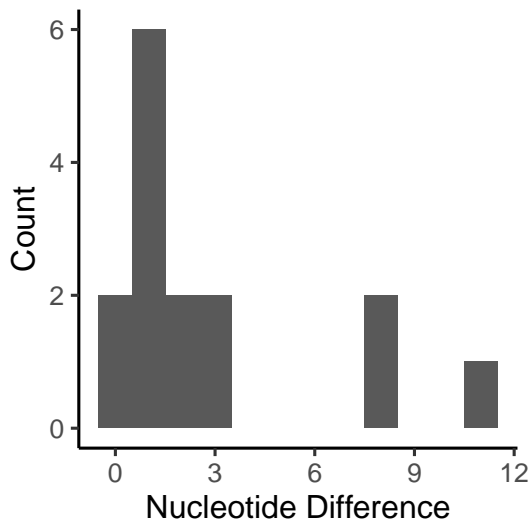
IGHV4-NL_1*01_S8621

16 sequences assigned
No exact matches.



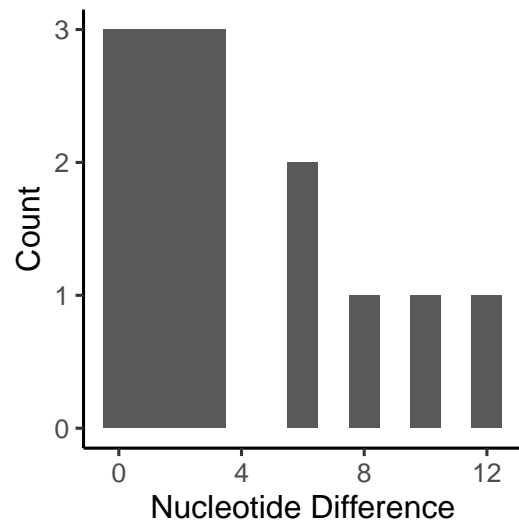
IGHV4-NL_11*01_S4651

16 sequences assigned
2 (12.5%) exact matches, in which:
2 unique CDR3
1 unique J



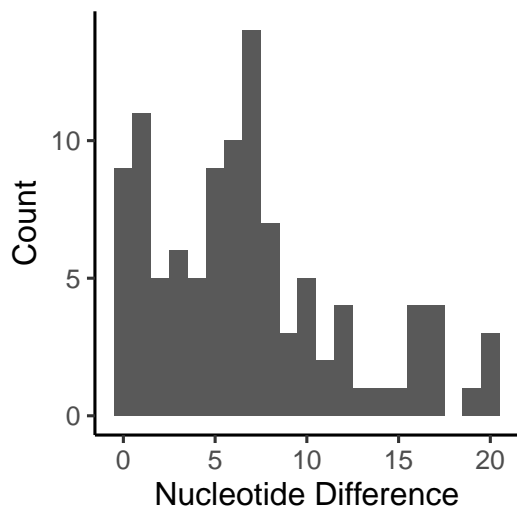
IGHV4-NL_24*01_S1628

18 sequences assigned
3 (16.7%) exact matches, in which:
3 unique CDR3
1 unique J



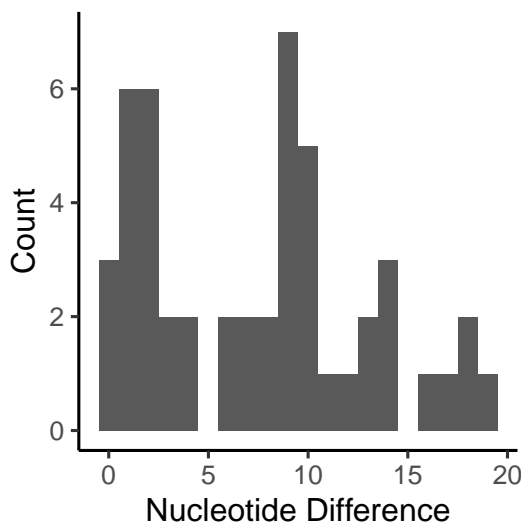
IGHV4-NL_1*01_S9508

110 sequences assigned
9 (8.2%) exact matches, in which:
8 unique CDR3
1 unique J



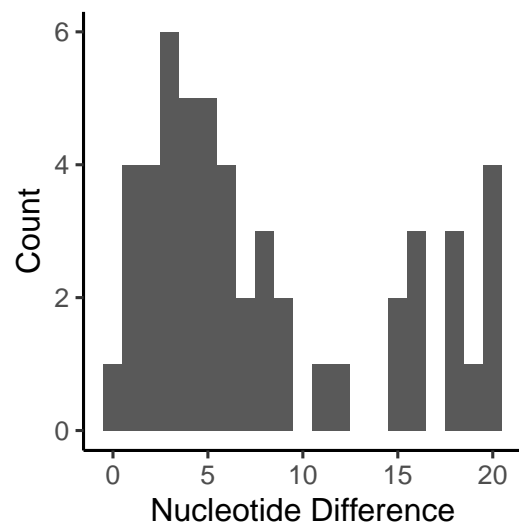
IGHV4-NL_12*01_S8068

52 sequences assigned
3 (5.8%) exact matches, in which:
3 unique CDR3
1 unique J



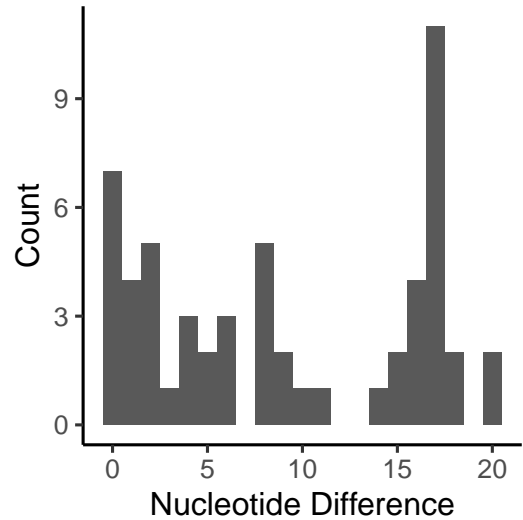
IGHV4-NL_25*01_S9955

71 sequences assigned
1 (1.4%) exact matches, in which:
1 unique CDR3
1 unique J



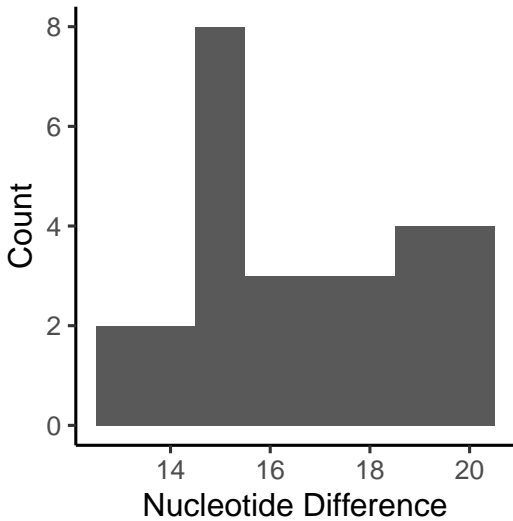
IGHV4–NL_27*01_S3510

58 sequences assigned
7 (12.1%) exact matches, in which:
5 unique CDR3
1 unique J



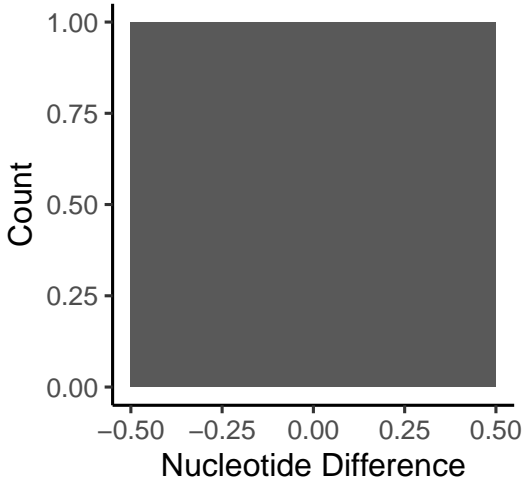
IGHV4–NL_36*01_S6687

36 sequences assigned
No exact matches.



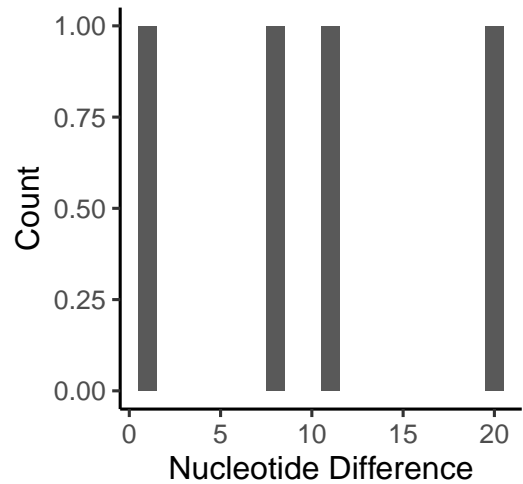
IGHV4–NL_38*01_S8437

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



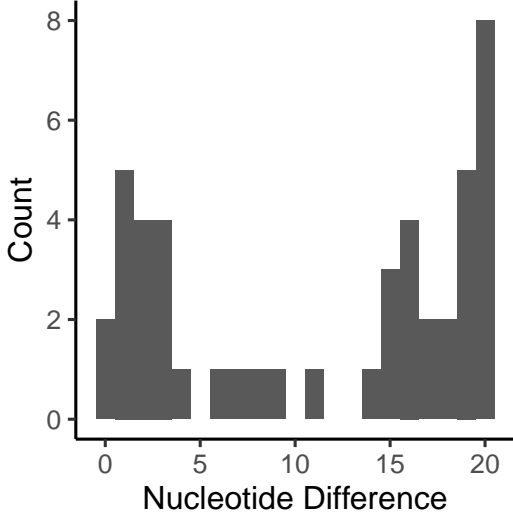
IGHV4–NL_33*01_S4377

5 sequences assigned
No exact matches.



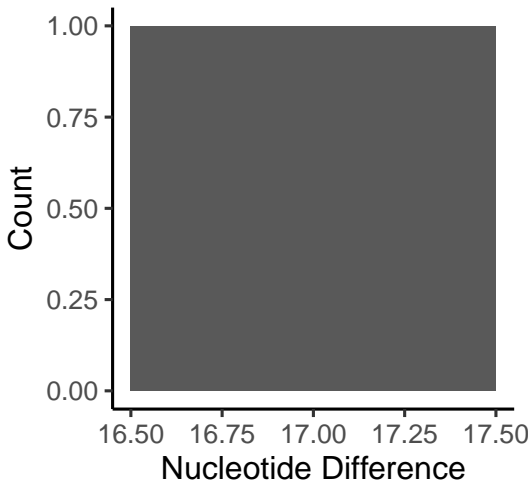
IGHV4–NL_36*01_S9506

121 sequences assigned
2 (1.7%) exact matches, in which:
2 unique CDR3
1 unique J



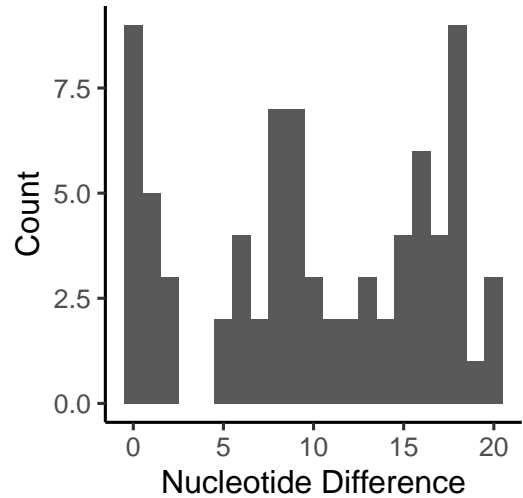
IGHV4–NL_38*01_S9472

1 sequences assigned
No exact matches.



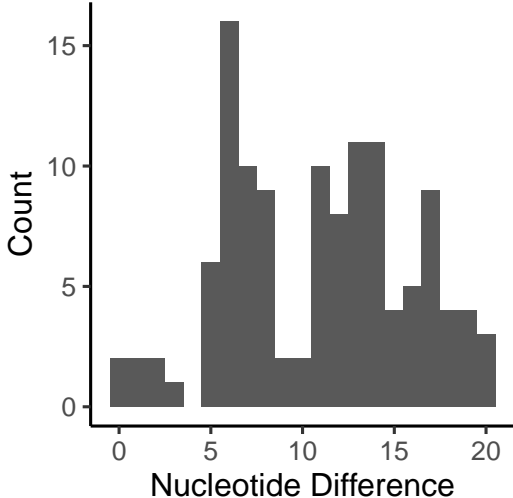
IGHV4–NL_36*01_S3269

81 sequences assigned
9 (11.1%) exact matches, in which:
6 unique CDR3
1 unique J



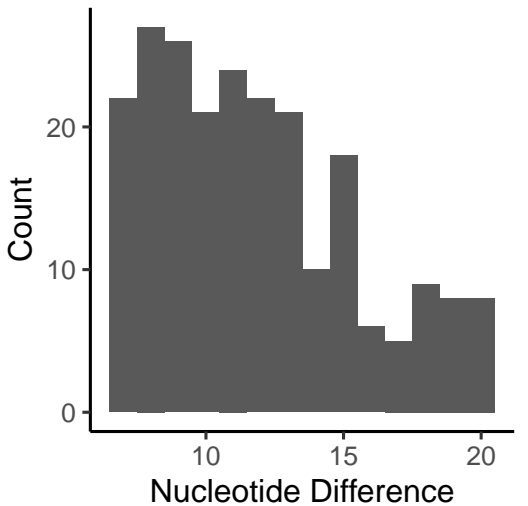
IGHV4–NL_36*01_S9644

139 sequences assigned
2 (1.4%) exact matches, in which:
2 unique CDR3
1 unique J



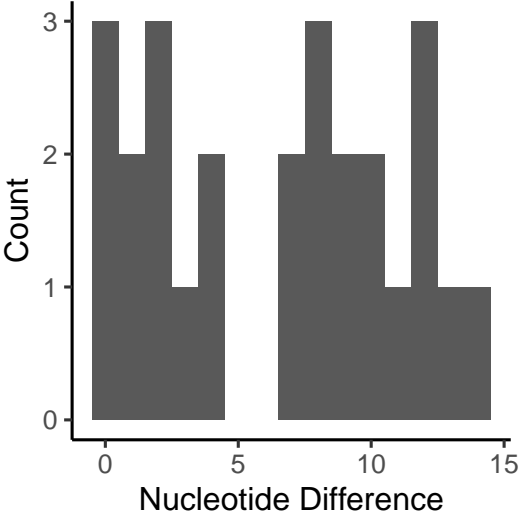
IGHV4–NL_4*01_S5211

265 sequences assigned
No exact matches.



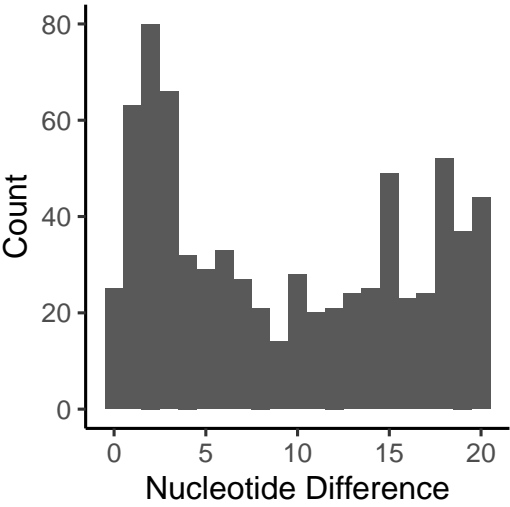
IGHV4–NL_5*01_S4603

27 sequences assigned
3 (11.1%) exact matches, in which:
2 unique CDR3
1 unique J



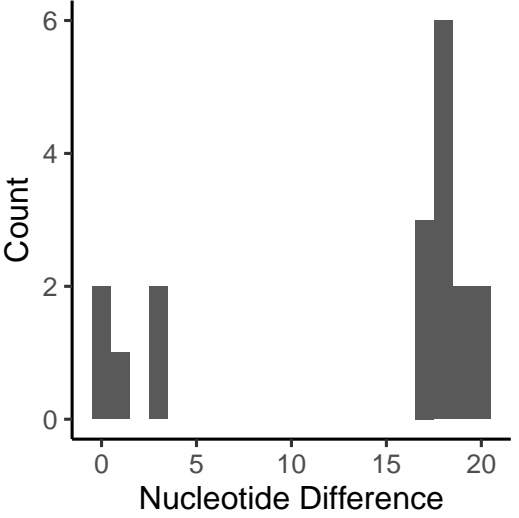
IGHV5–157*01_S5960

921 sequences assigned
25 (2.7%) exact matches, in which:
14 unique CDR3
1 unique J



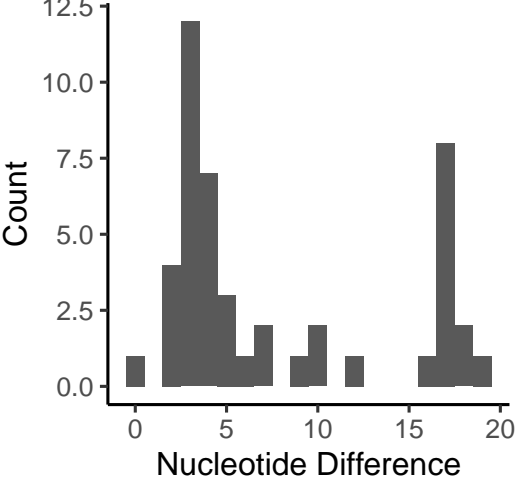
IGHV4–NL_9*01_S1435

18 sequences assigned
2 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



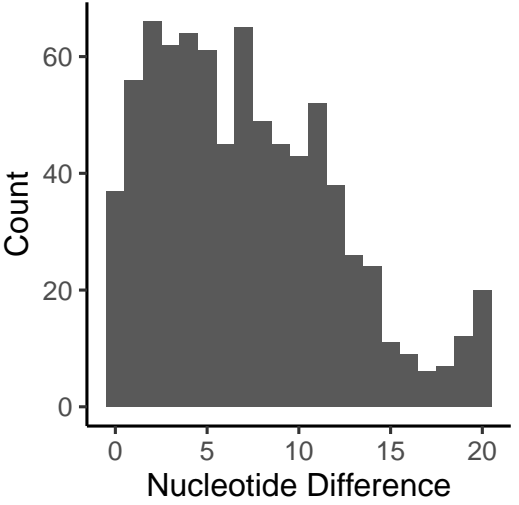
IGHV7–135*01_S9086

279 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J

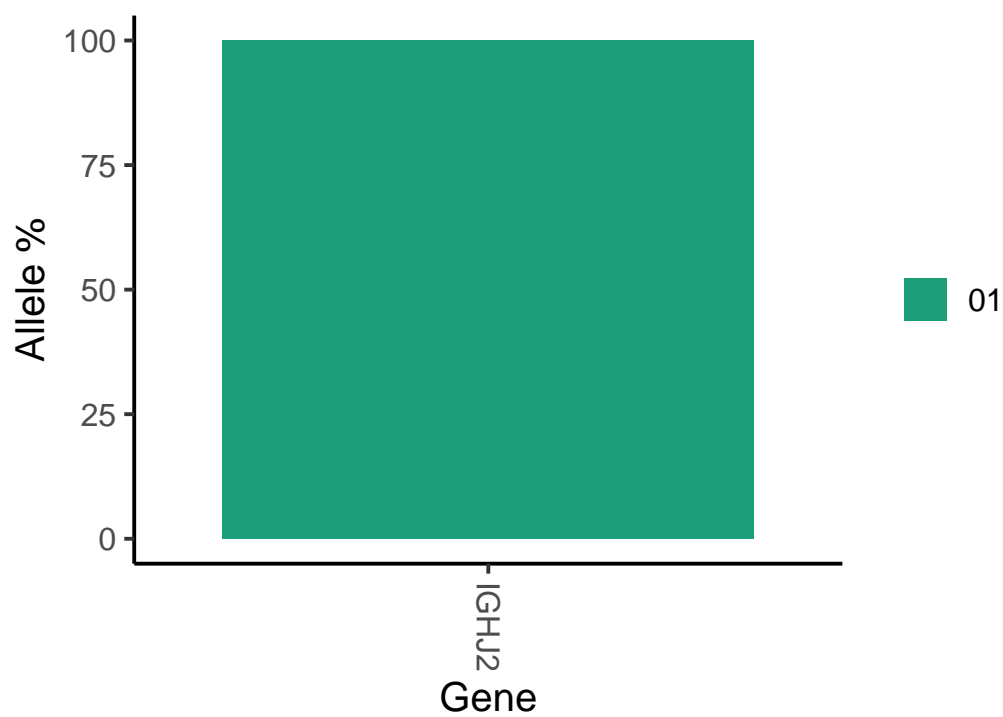


IGHV5–15*01_S2952

957 sequences assigned
37 (3.9%) exact matches, in which:
20 unique CDR3
1 unique J



Allele Usage



Warning – no inferred sequences found.