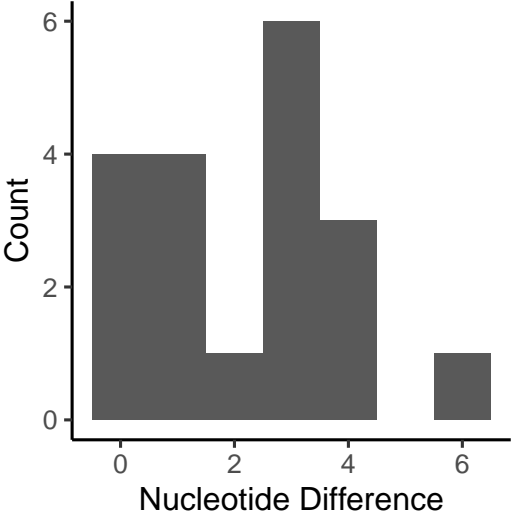


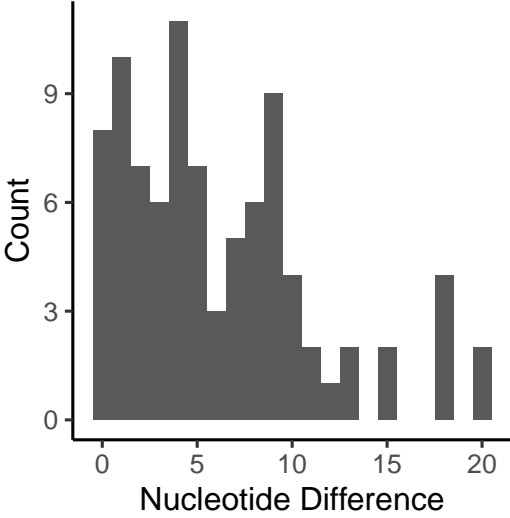
IGHV1–NL_1*01_S8523

19 sequences assigned
4 (21.1%) exact matches, in which:
1 unique CDR3
1 unique J



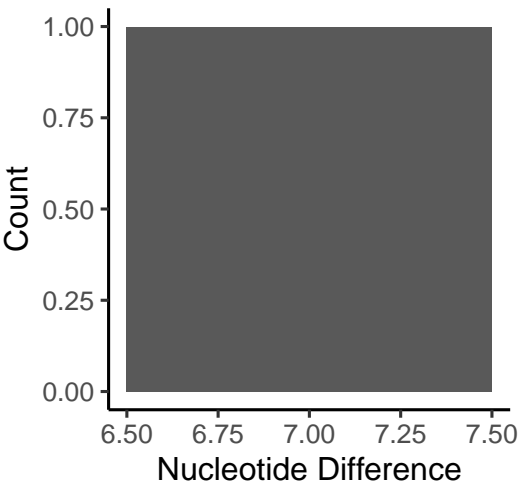
IGHV2–118*01_S4527

93 sequences assigned
8 (8.6%) exact matches, in which:
7 unique CDR3
1 unique J



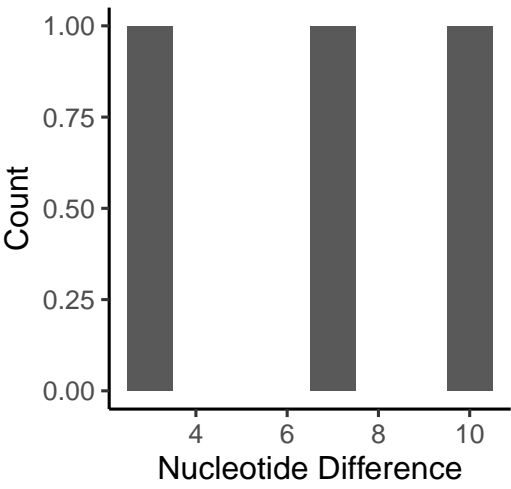
IGHV3–34*01_S1309

1 sequences assigned
No exact matches.



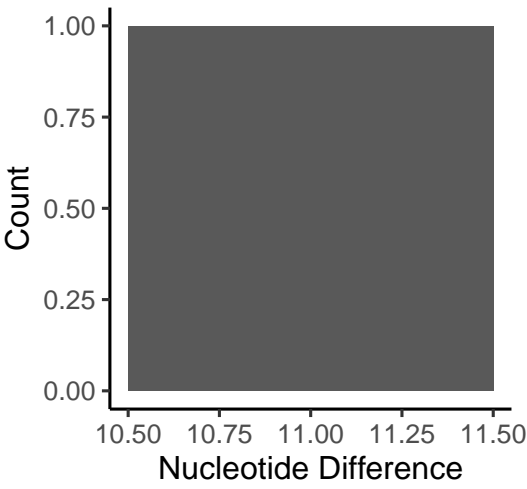
IGHV2–7*02_S4078

3 sequences assigned
No exact matches.



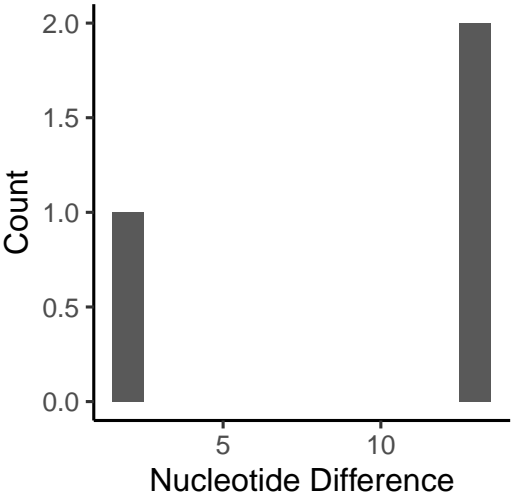
IGHV2–NL_1*01_S5779

1 sequences assigned
No exact matches.



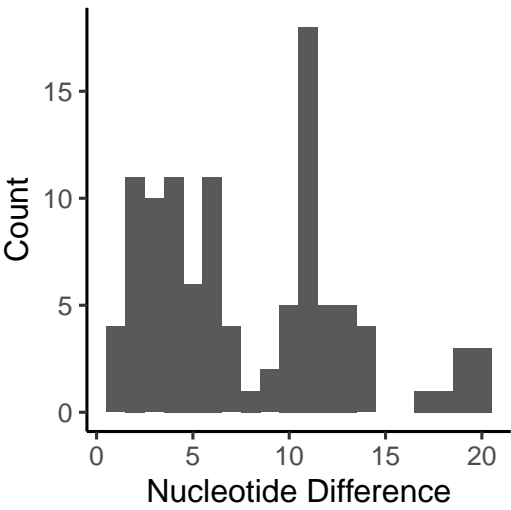
IGHV3–37*01_S4420

15 sequences assigned
No exact matches.



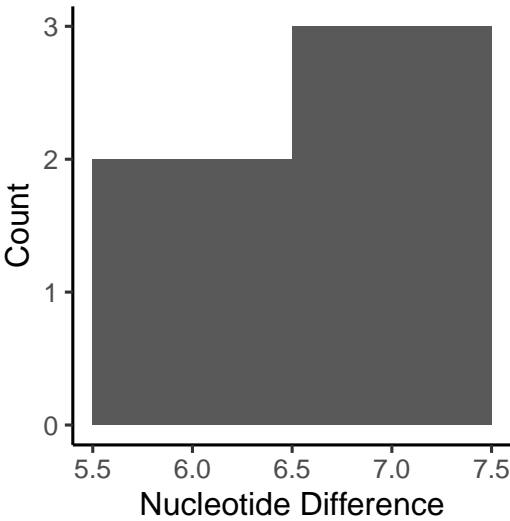
IGHV2–69*01_S8510

118 sequences assigned
No exact matches.



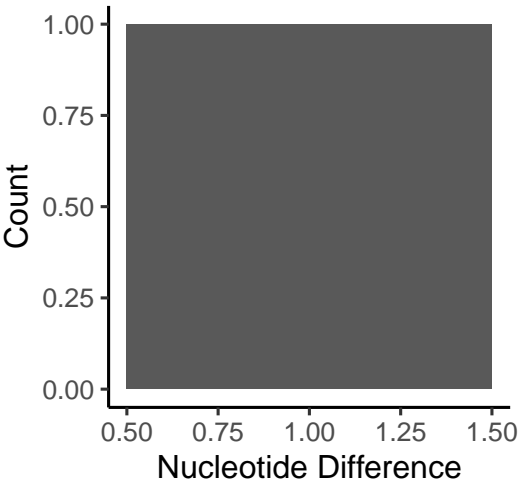
IGHV3–28*01_S5703

10 sequences assigned
No exact matches.



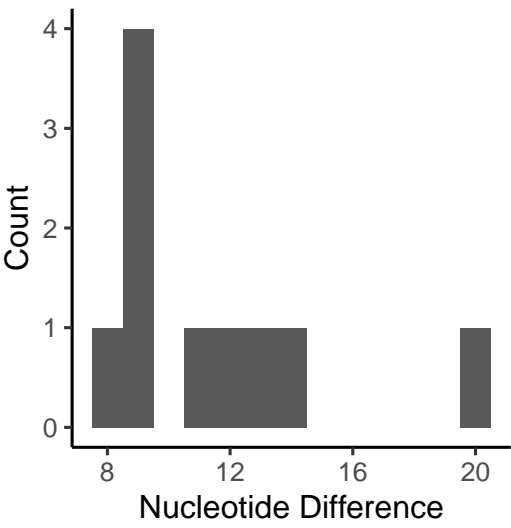
IGHV3–52*01_S3960

1 sequences assigned
No exact matches.



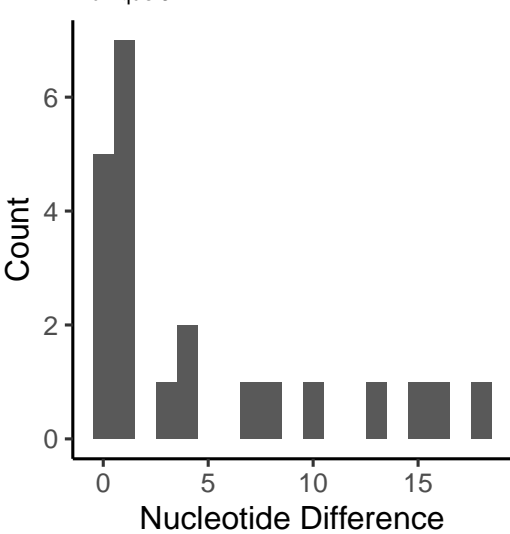
IGHV3-53*01_S2949

10 sequences assigned
No exact matches.



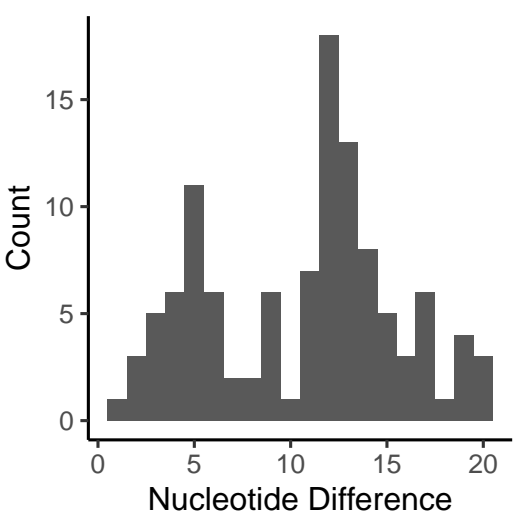
IGHV3-128*02_S1570

22 sequences assigned
5 (22.7%) exact matches, in which:
3 unique CDR3
1 unique J



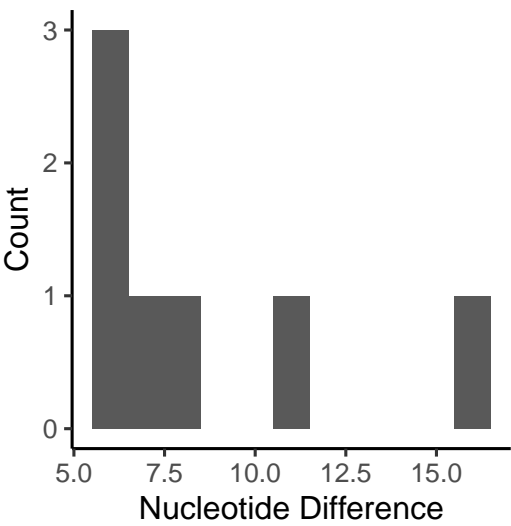
IGHV3-NL_1*01_S4331

121 sequences assigned
No exact matches.



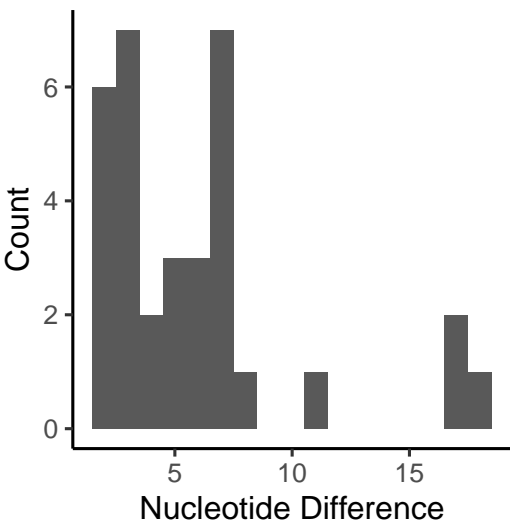
IGHV3-122*01_S5299

9 sequences assigned
No exact matches.



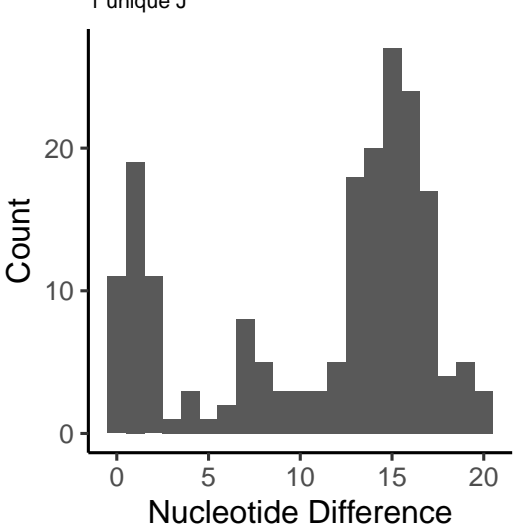
IGHV3-177*01_S8409

33 sequences assigned
No exact matches.



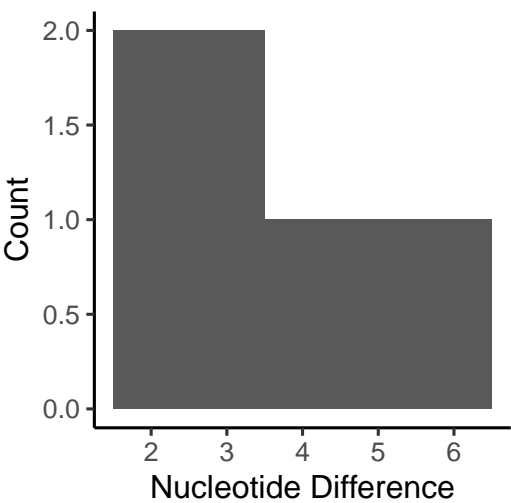
IGHV3-NL_11*01_S3736

260 sequences assigned
11 (4.2%) exact matches, in which:
9 unique CDR3
1 unique J



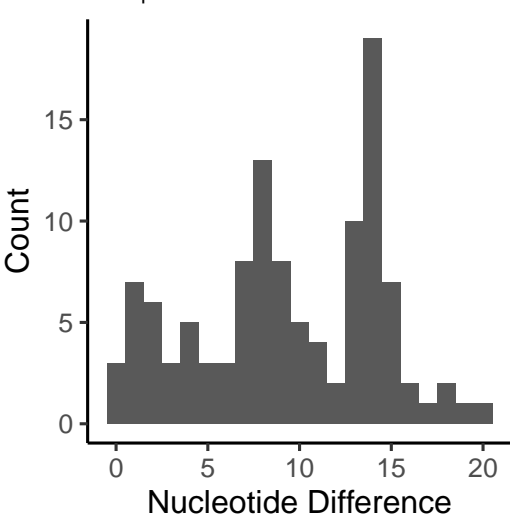
IGHV3-127*01_S5171

7 sequences assigned
No exact matches.



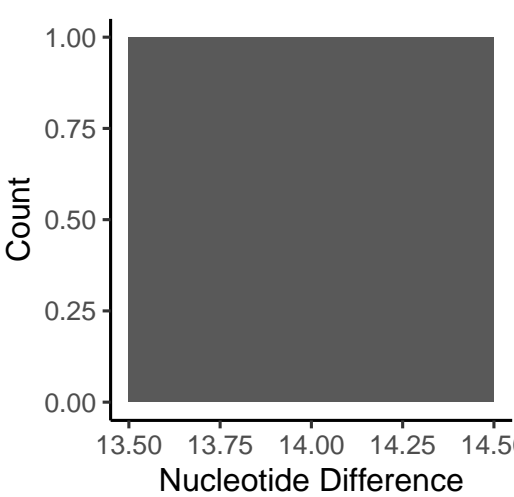
IGHV3-187*01_S8972

119 sequences assigned
3 (2.5%) exact matches, in which:
2 unique CDR3
1 unique J



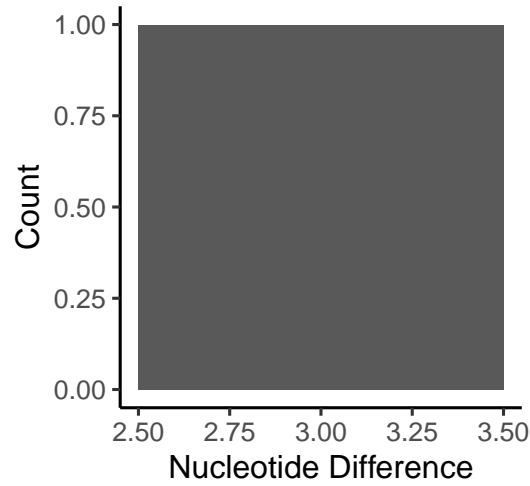
IGHV3-NL_14*01_S9823

1 sequences assigned
No exact matches.



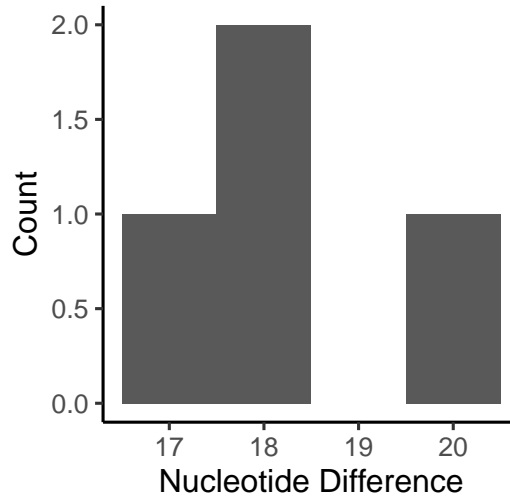
IGHV3–NL_17*01_S4736

1 sequences assigned
No exact matches.



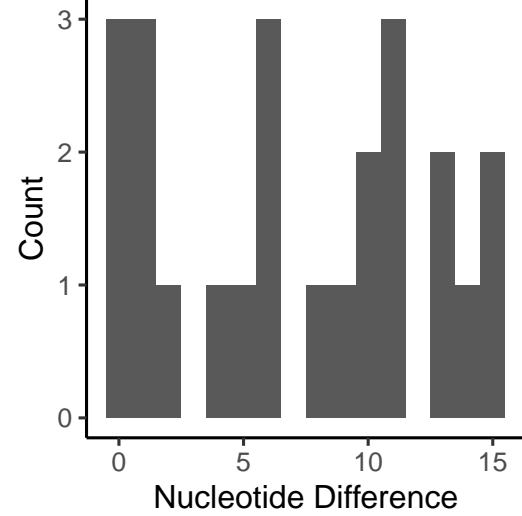
IGHV3–NL_7*01_S0199

72 sequences assigned
No exact matches.



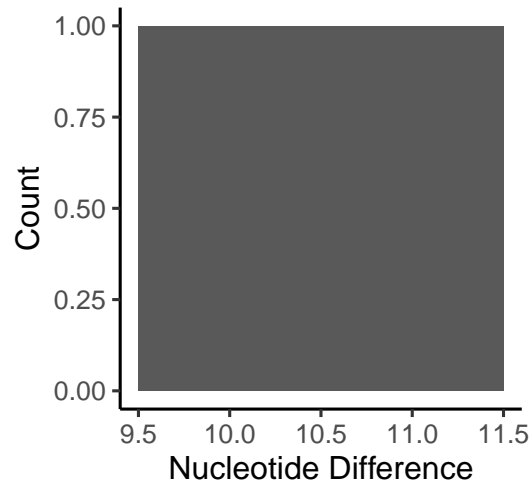
IGHV4–93*01_S5203

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



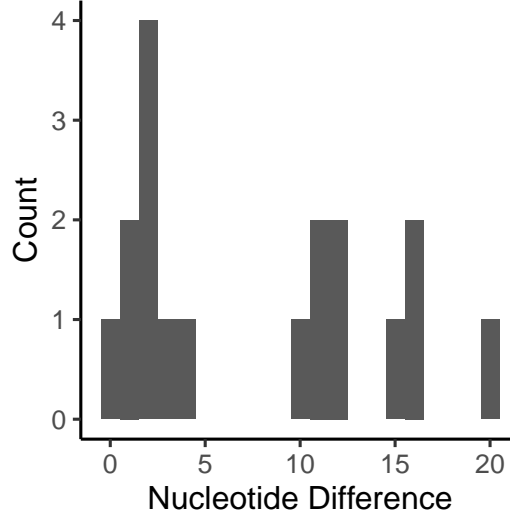
IGHV3–NL_17*01_S9589

2 sequences assigned
No exact matches.



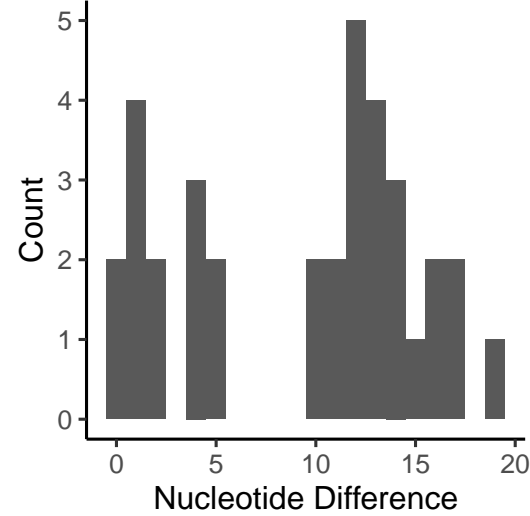
IGHV4–67*02_S8671

19 sequences assigned
1 (5.3%) exact matches, in which:
1 unique CDR3
1 unique J



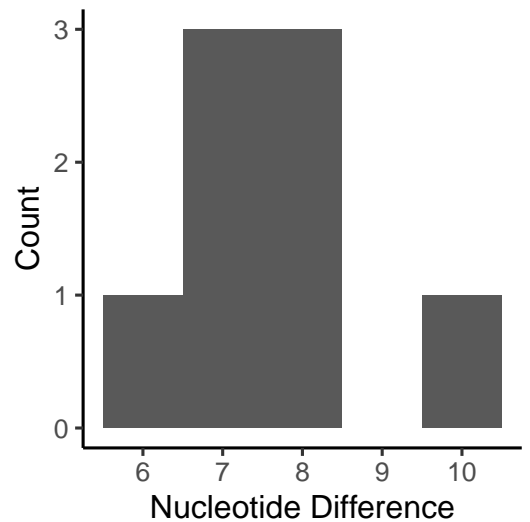
IGHV4–144*01_S3676

36 sequences assigned
2 (5.6%) exact matches, in which:
2 unique CDR3
1 unique J



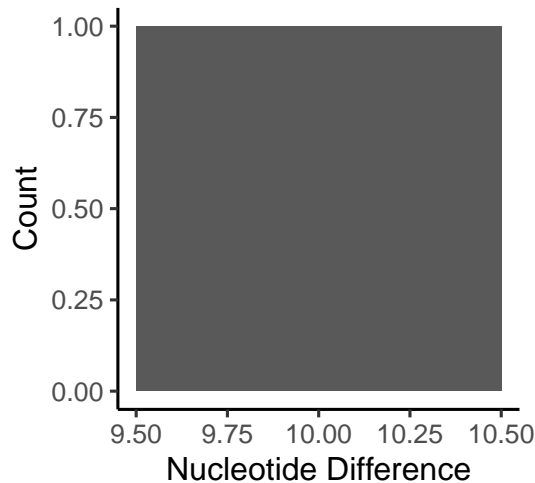
IGHV3–NL_19*01_S2472

8 sequences assigned
No exact matches.



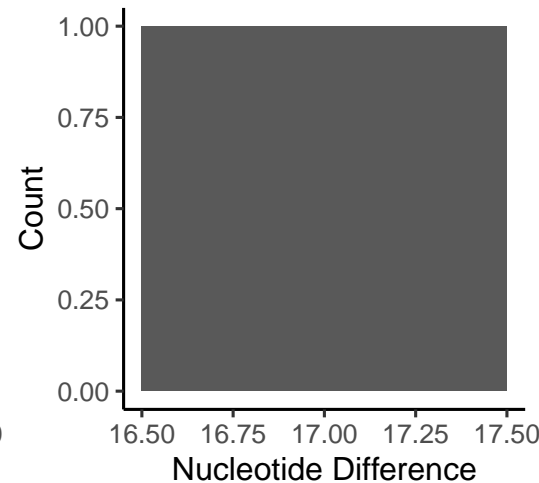
IGHV4–79*01_S1478

1 sequences assigned
No exact matches.



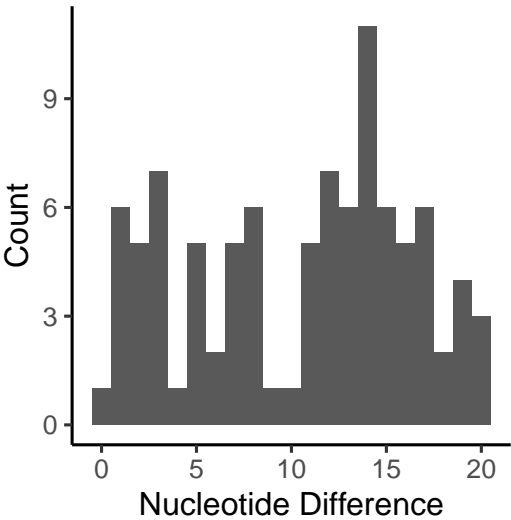
IGHV4–144*01_S5374

9 sequences assigned
No exact matches.



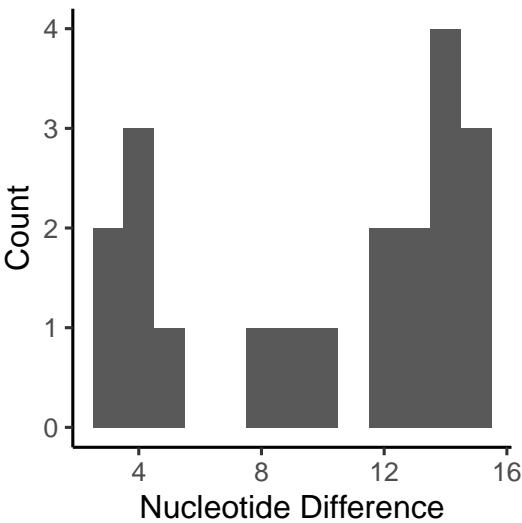
IGHV4-149*01_S1992

115 sequences assigned
1 (0.9%) exact matches, in which:
1 unique CDR3
1 unique J



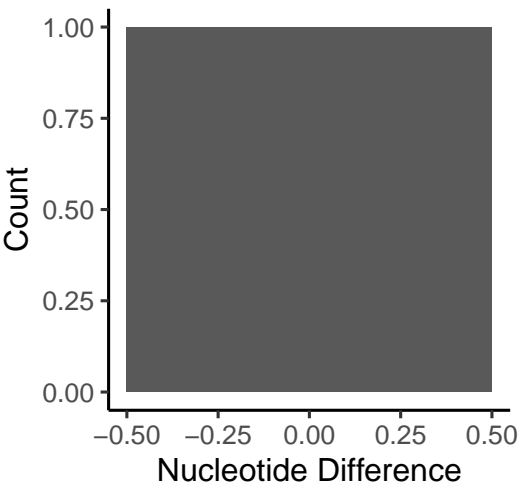
IGHV4-NL_1*01_S1593

20 sequences assigned
No exact matches.



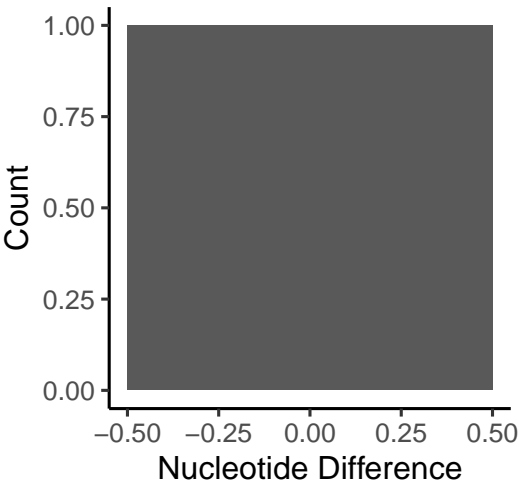
IGHV4-NL_19*01_S3005

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



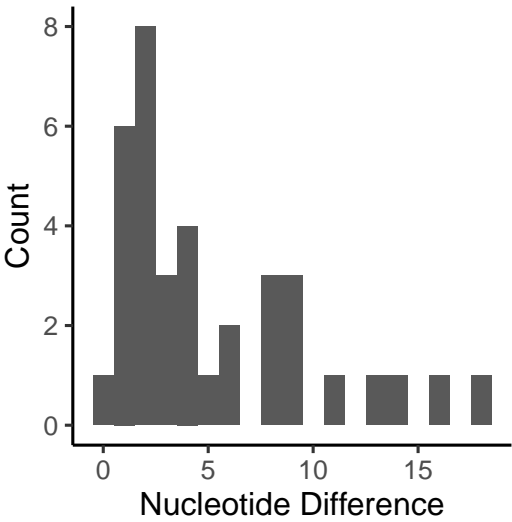
IGHV4-150*01_S0749

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



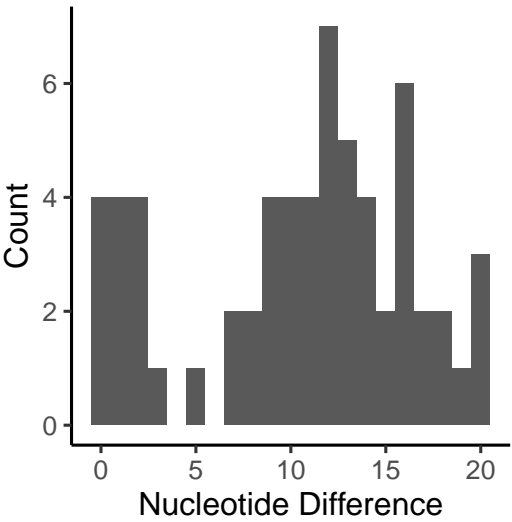
IGHV4-NL_1*01_S9508

41 sequences assigned
1 (2.4%) exact matches, in which:
1 unique CDR3
1 unique J



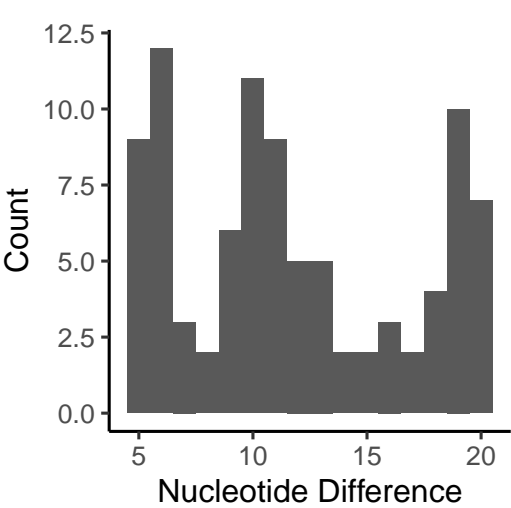
IGHV4-NL_21*01_S0138

71 sequences assigned
4 (5.6%) exact matches, in which:
4 unique CDR3
1 unique J



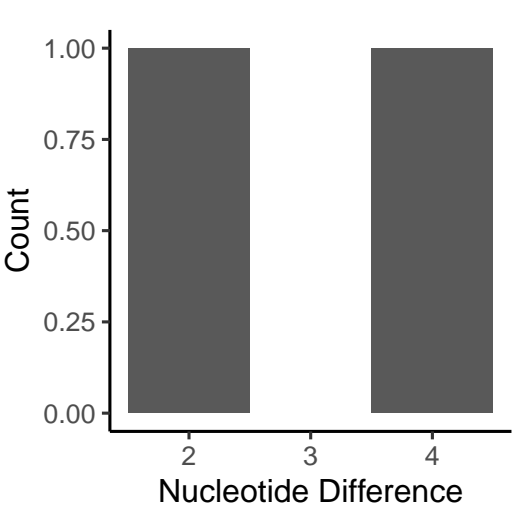
IGHV4-174*01

113 sequences assigned
No exact matches.



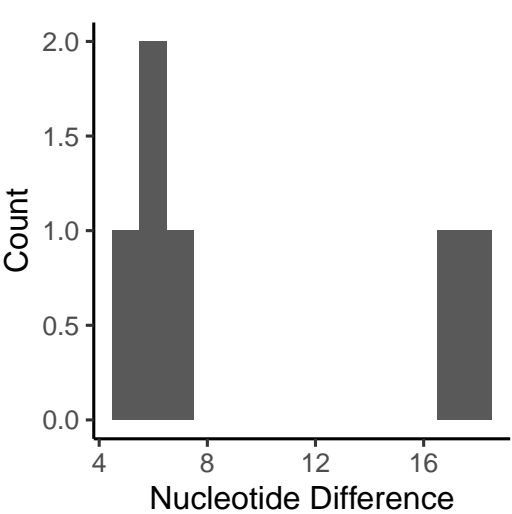
IGHV4-NL_19*01_S266'

2 sequences assigned
No exact matches.



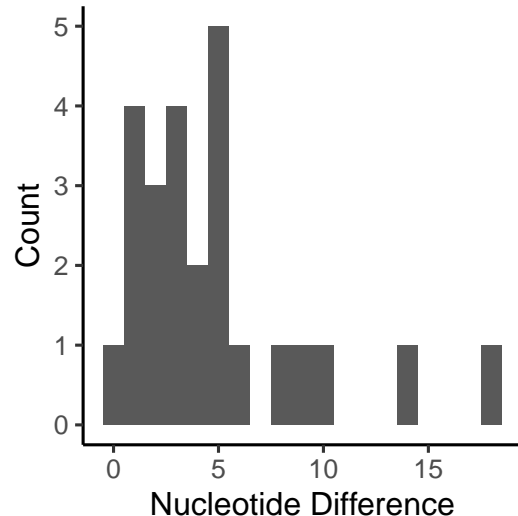
IGHV4-NL_21*01_S6308

7 sequences assigned
No exact matches.



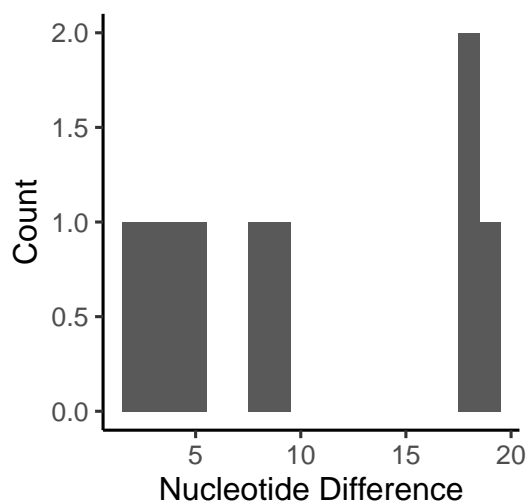
IGHV4–NL_22*01_S5234

31 sequences assigned
1 (3.2%) exact matches, in which:
1 unique CDR3
1 unique J



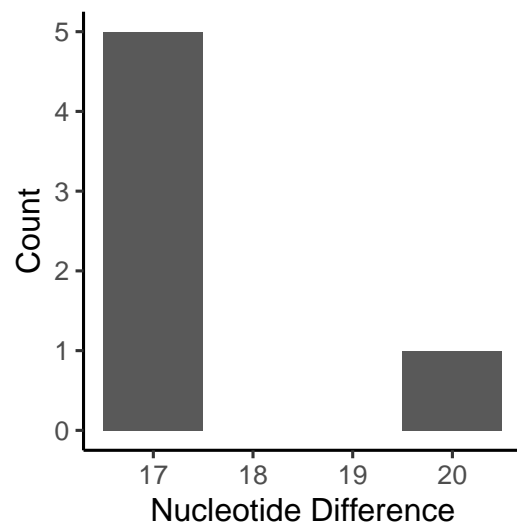
IGHV4–NL_36*01_S5000

9 sequences assigned
No exact matches.



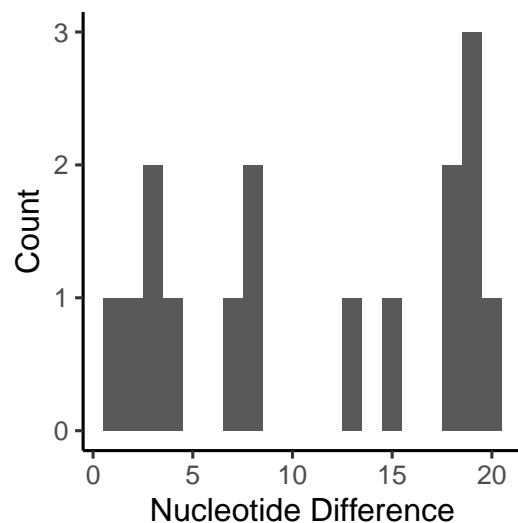
IGHV4–NL_5*01_S8645

6 sequences assigned
No exact matches.



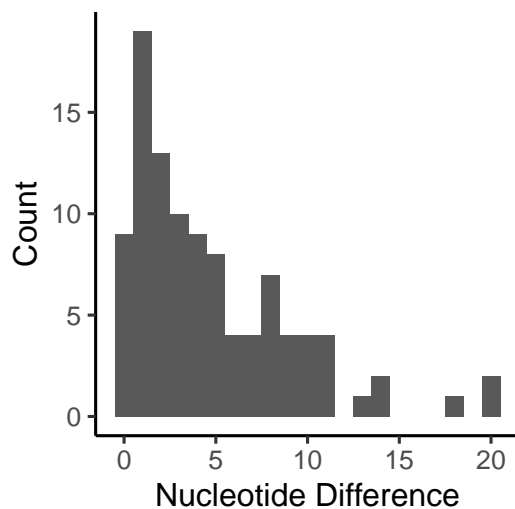
IGHV4–NL_33*01_S9428

56 sequences assigned
No exact matches.



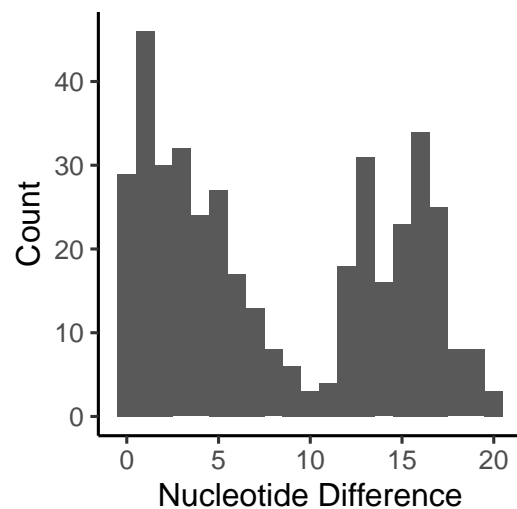
IGHV4–NL_38*01_S6935

101 sequences assigned
9 (8.9%) exact matches, in which:
7 unique CDR3
1 unique J



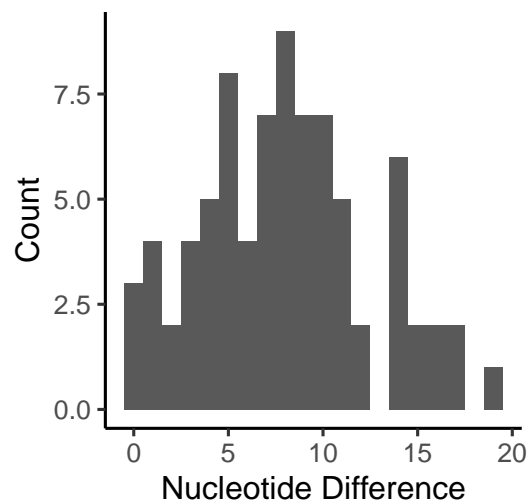
IGHV5–157*01_S0308

464 sequences assigned
29 (6.2%) exact matches, in which:
13 unique CDR3
1 unique J



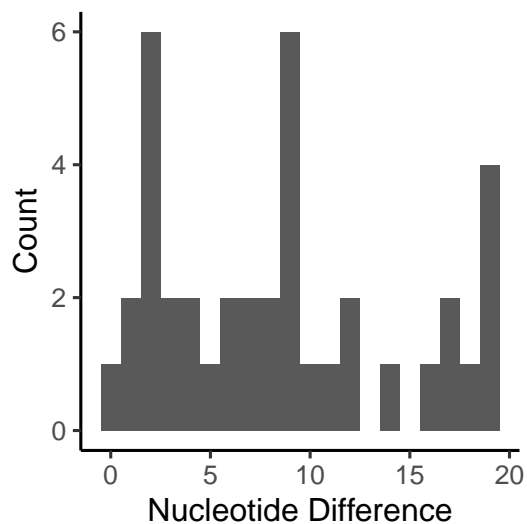
IGHV4–NL_34*01_S4637

83 sequences assigned
3 (3.6%) exact matches, in which:
3 unique CDR3
1 unique J

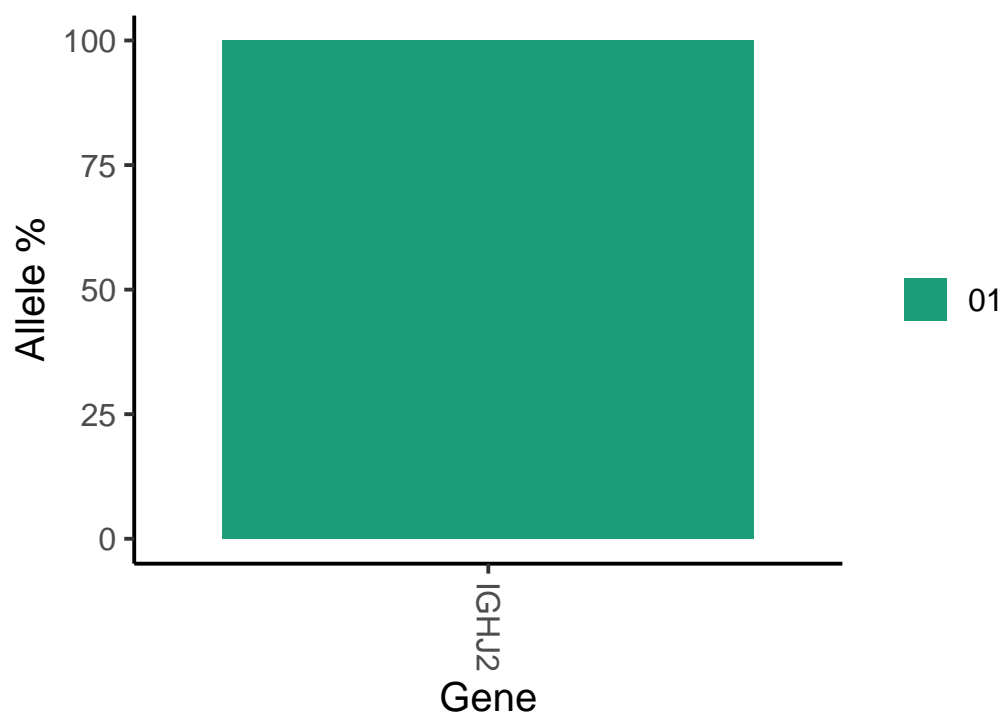


IGHV4–NL_5*01_S5158

42 sequences assigned
1 (2.4%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Warning – no inferred sequences found.