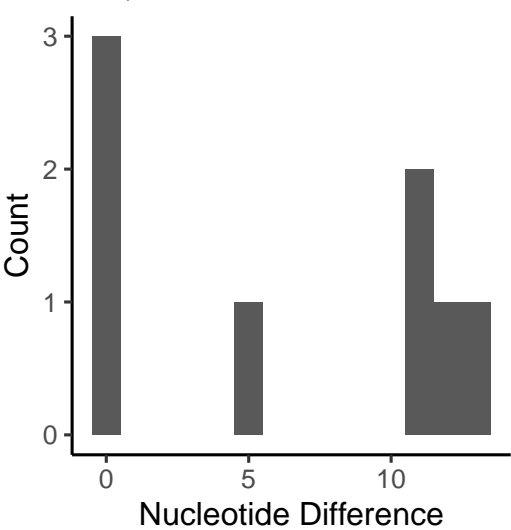


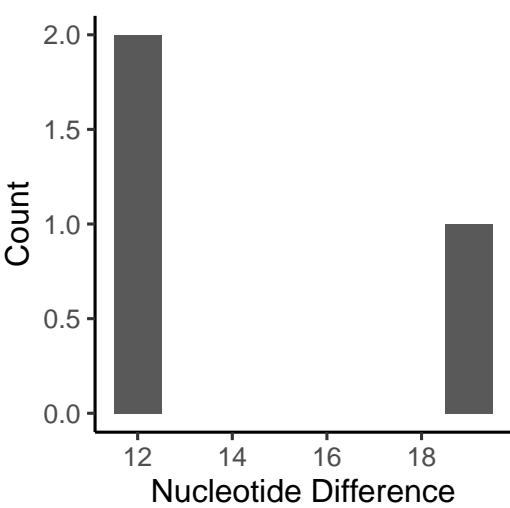
IGHV1–84*01_S5842

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
1 unique J



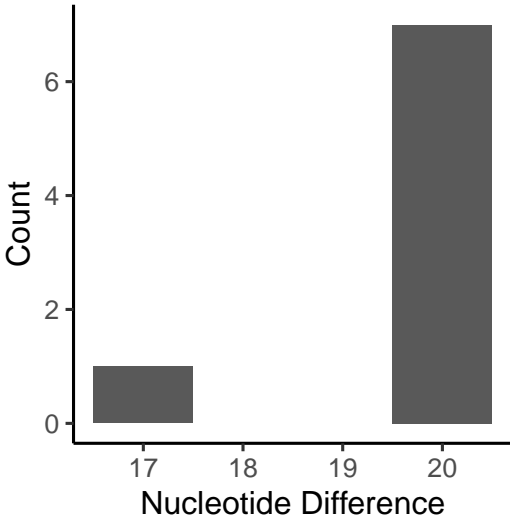
IGHV2–173*01

3 sequences assigned
No exact matches.



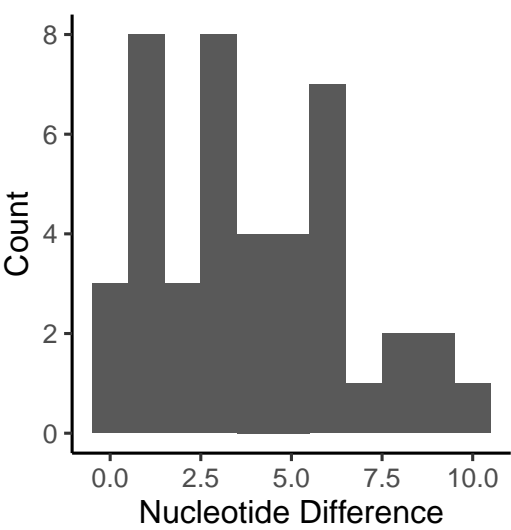
IGHV3–37*01_S9699

39 sequences assigned
No exact matches.



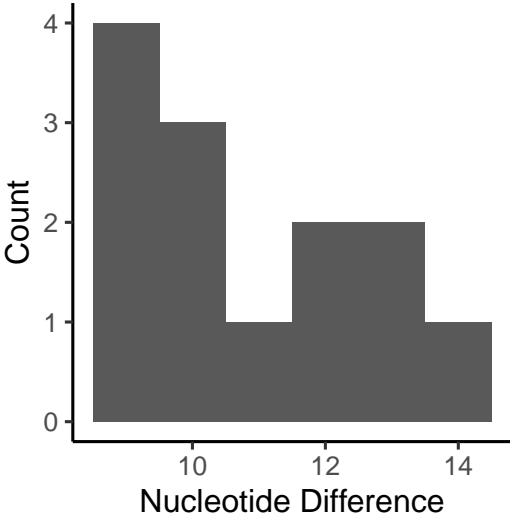
IGHV2–7*02_S1732

43 sequences assigned
3 (7%) exact matches, in which:
2 unique CDR3
1 unique J



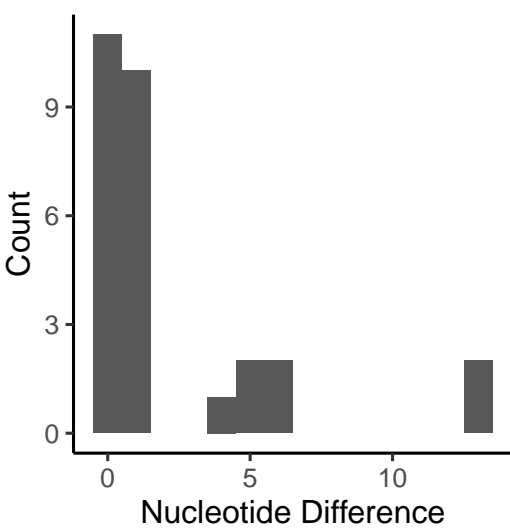
IGHV2–NL_1*01_S9725

14 sequences assigned
No exact matches.



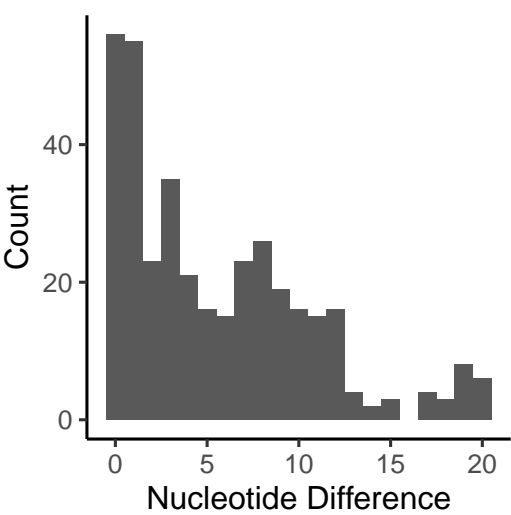
IGHV3–53*01_S4423

28 sequences assigned
11 (39.3%) exact matches, in which:
10 unique CDR3
1 unique J



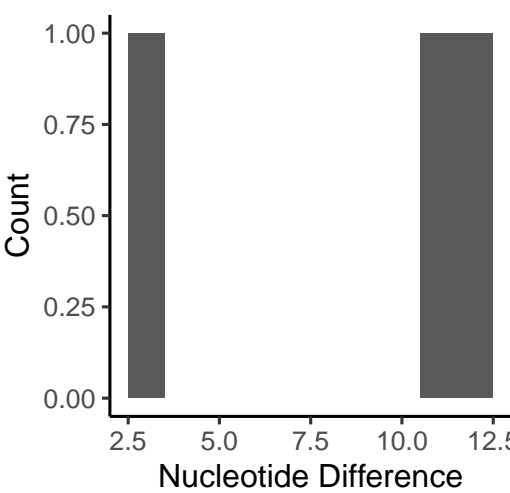
IGHV2–69*02_S0779

393 sequences assigned
56 (14.2%) exact matches, in which:
26 unique CDR3
1 unique J



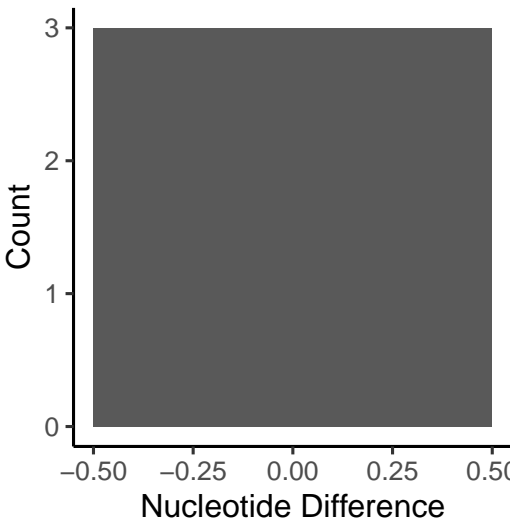
IGHV3–28*01_S7540

5 sequences assigned
No exact matches.



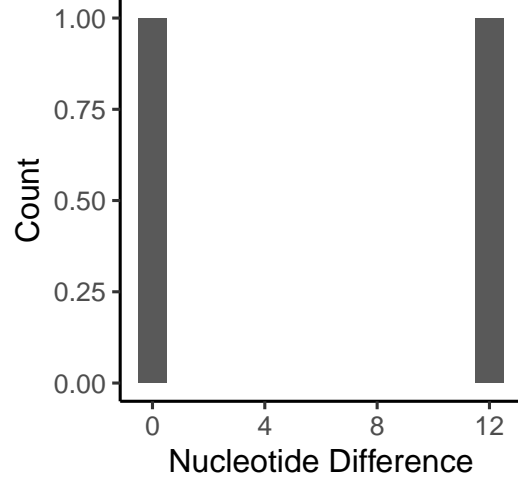
IGHV3–73*01_S3636

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



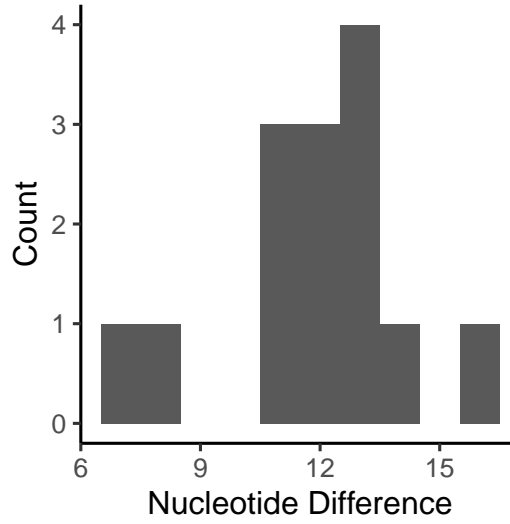
IGHV3-76*01_S0794

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



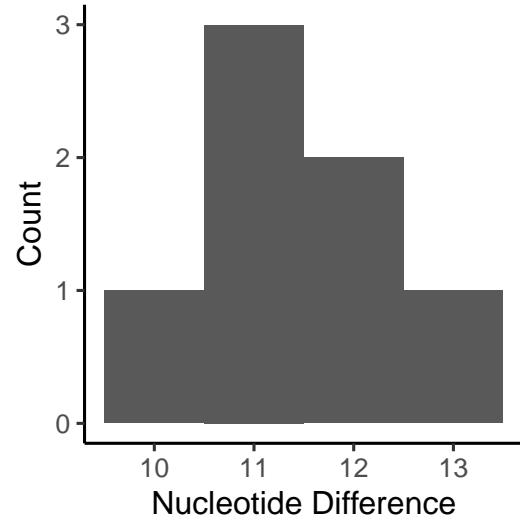
IGHV3-100*01_S4375

14 sequences assigned
No exact matches.



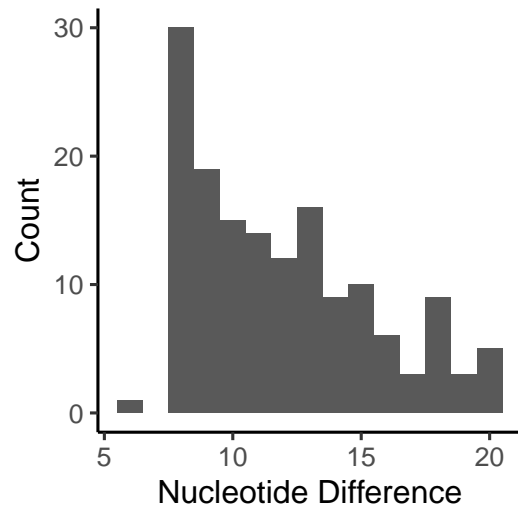
IGHV3-177*01_S5369

7 sequences assigned
No exact matches.



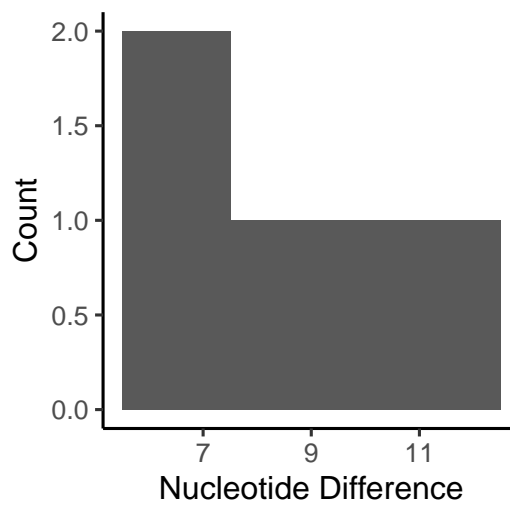
IGHV3-94*01_S7982

159 sequences assigned
No exact matches.



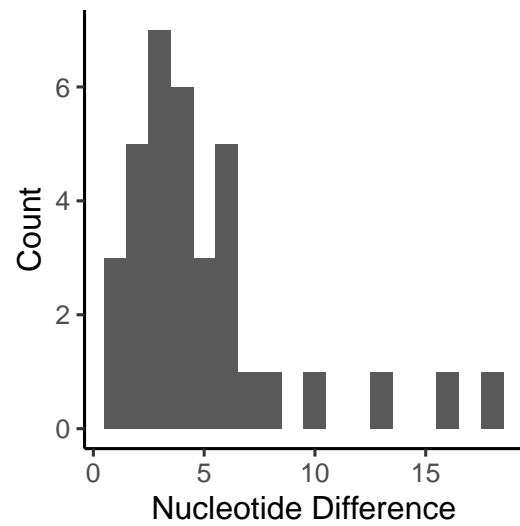
IGHV3-152*01_S1340

9 sequences assigned
No exact matches.



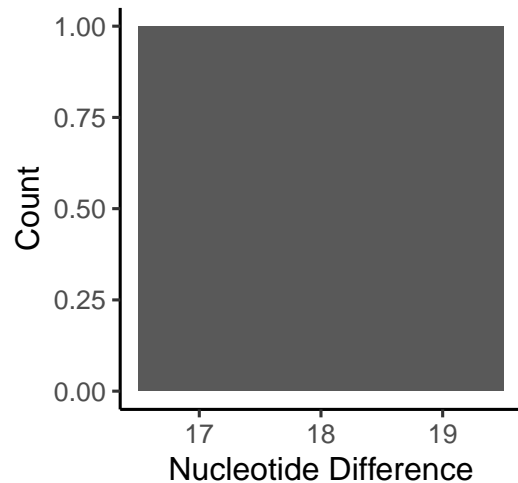
IGHV3-177*01_S6408

36 sequences assigned
No exact matches.



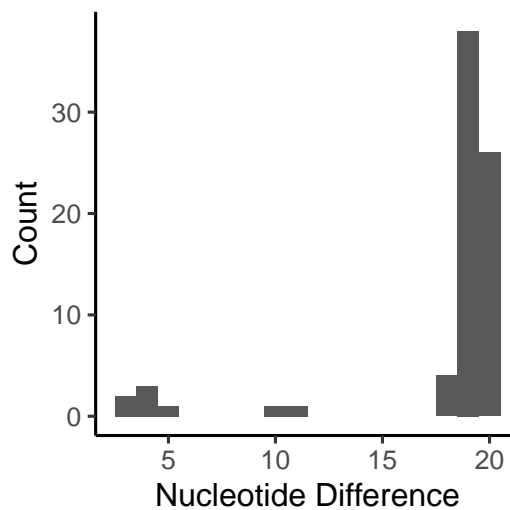
IGHV3-100*01_S4205

3 sequences assigned
No exact matches.



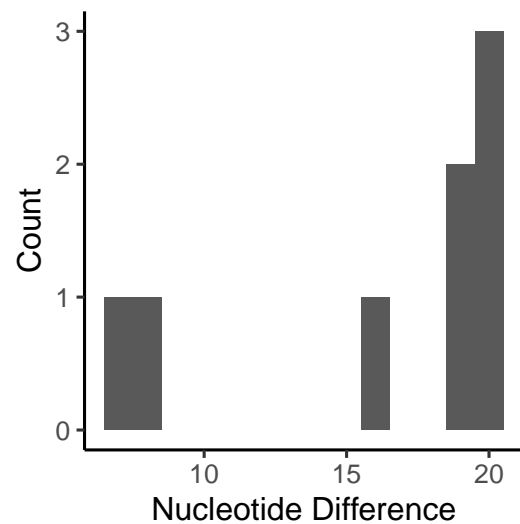
IGHV3-172*01_S2175

172 sequences assigned
No exact matches.



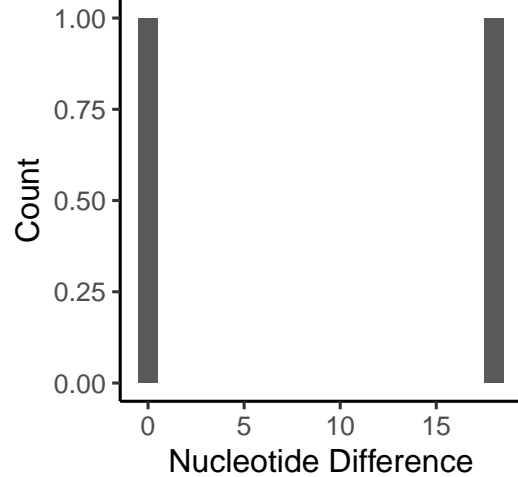
IGHV3-187*01_S2144

10 sequences assigned
No exact matches.



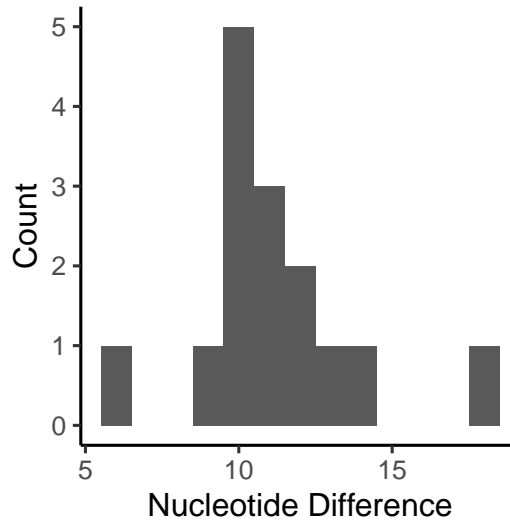
IGHV3-187*01_S4259

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



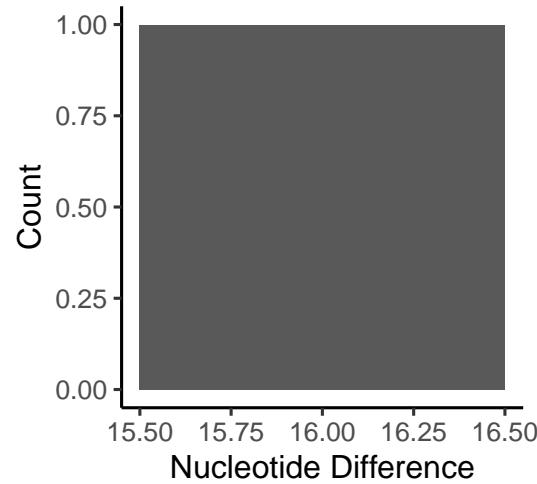
IGHV3-NL_1*01_S9854

17 sequences assigned
No exact matches.



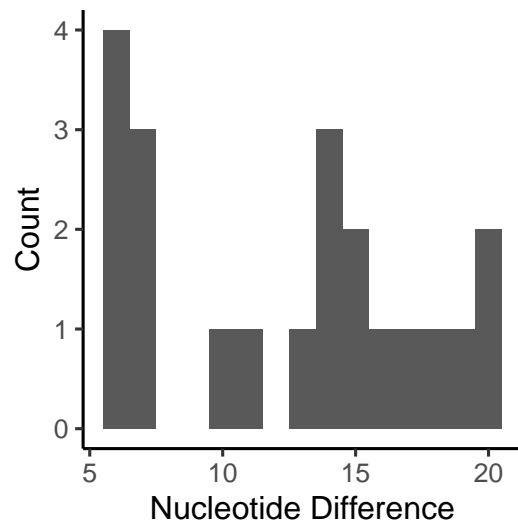
IGHV3-NL_12*02_S5864

6 sequences assigned
No exact matches.



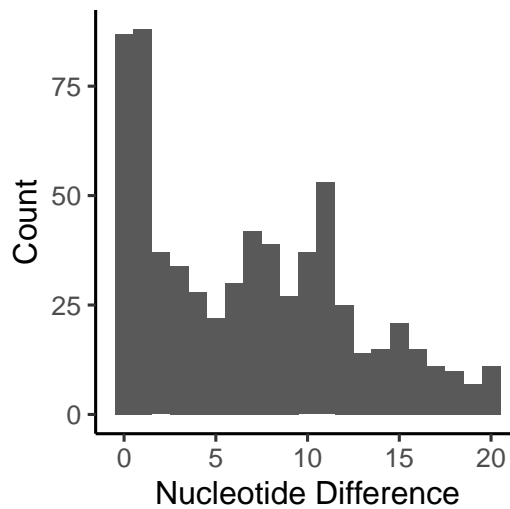
IGHV3-187*02_S8458

21 sequences assigned
No exact matches.



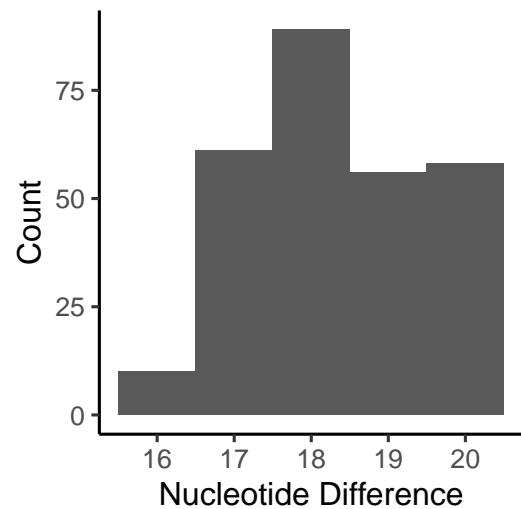
IGHV3-NL_11*01_S3736

673 sequences assigned
87 (12.9%) exact matches, in which:
61 unique CDR3
1 unique J



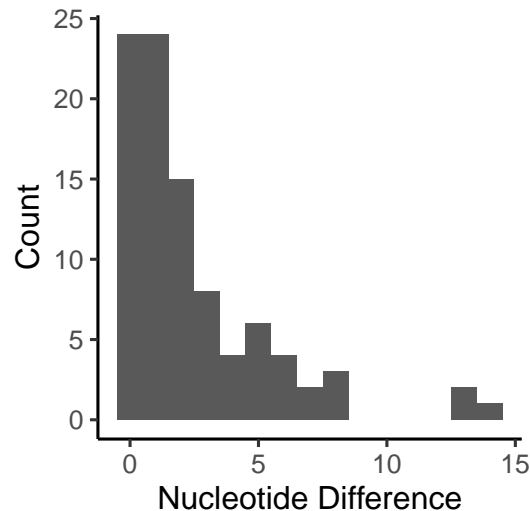
IGHV3-NL_12*02_S6994

524 sequences assigned
No exact matches.



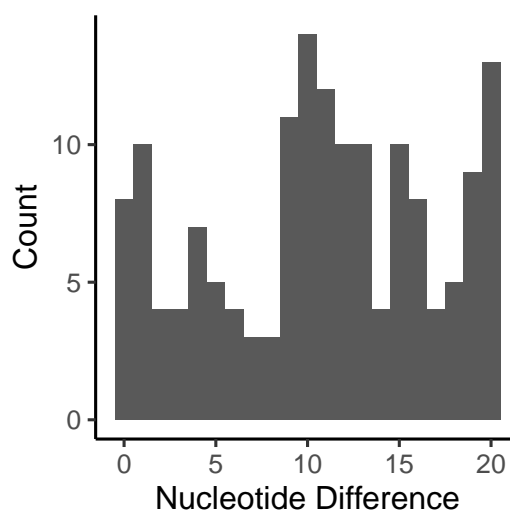
IGHV3-NL_1*01_S1080

94 sequences assigned
24 (25.5%) exact matches, in which:
12 unique CDR3
1 unique J



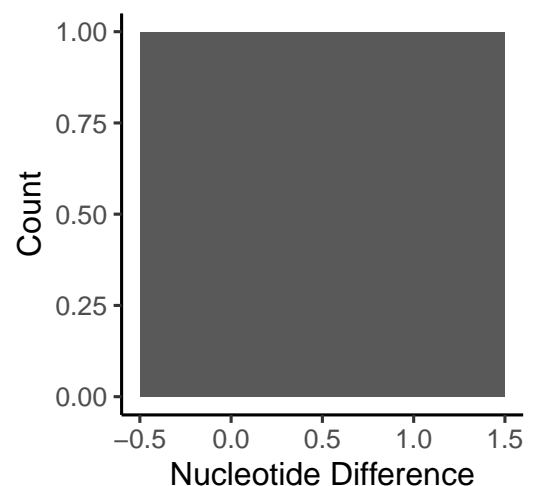
IGHV3-NL_11*01_S9627

197 sequences assigned
8 (4.1%) exact matches, in which:
4 unique CDR3
1 unique J



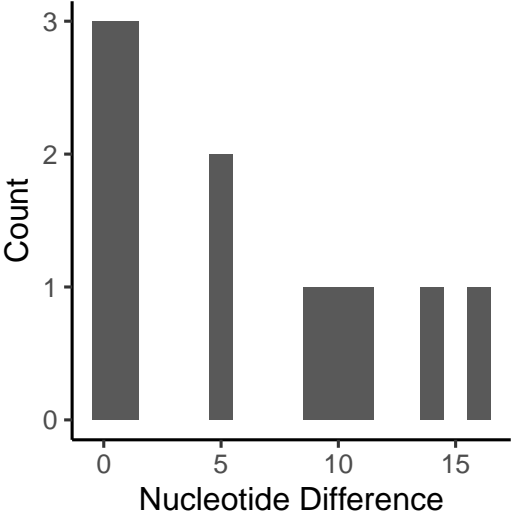
IGHV3-NL_14*01_S1113

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
0 unique J



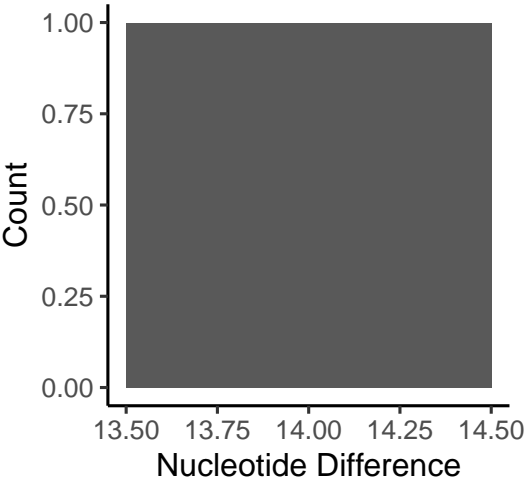
IGHV3–NL_17*01_S4250

13 sequences assigned
3 (23.1%) exact matches, in which:
1 unique CDR3
1 unique J



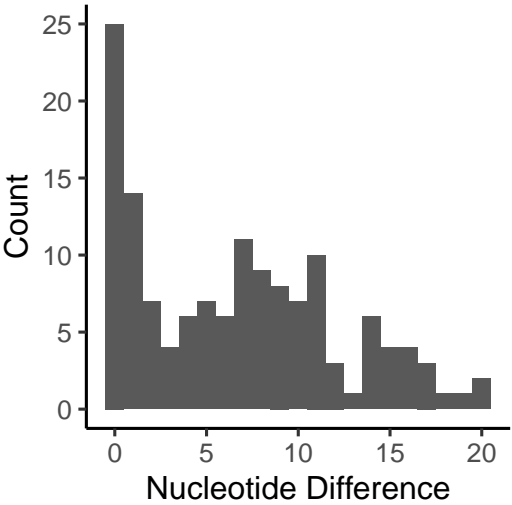
IGHV3–NL_8*01_S7474

2 sequences assigned
No exact matches.



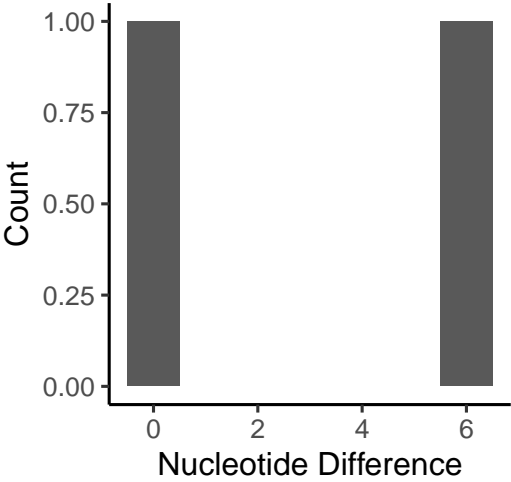
IGHV4–117*01_S6342

156 sequences assigned
25 (16%) exact matches, in which:
22 unique CDR3
1 unique J



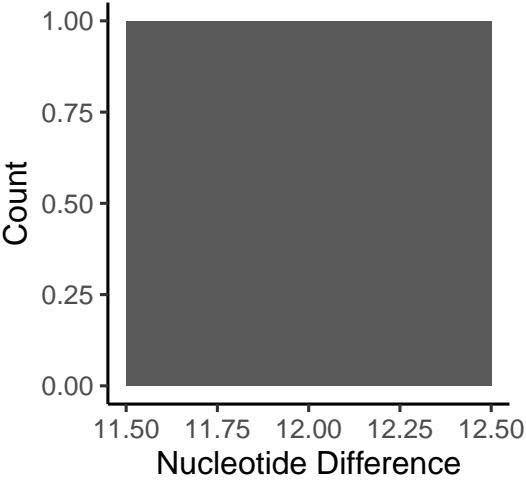
IGHV3–NL_18*01_S3867

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



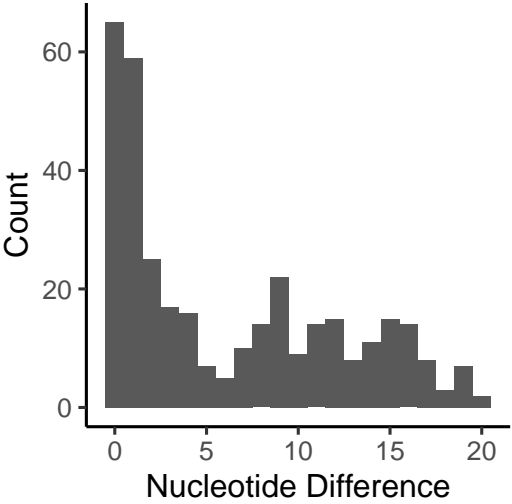
IGHV3–NL_9*01_S6098

1 sequences assigned
No exact matches.



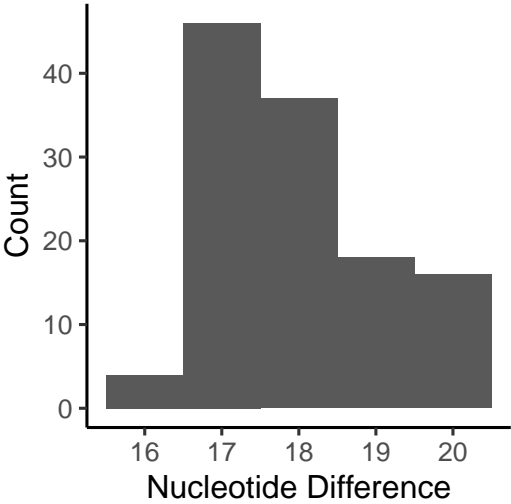
IGHV4–144*01_S3113

408 sequences assigned
65 (15.9%) exact matches, in which:
42 unique CDR3
1 unique J



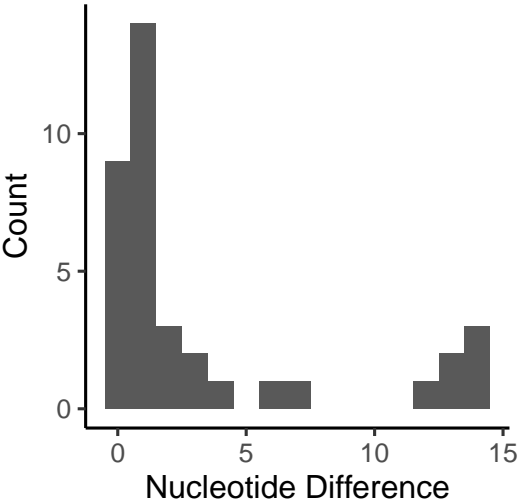
IGHV3–NL_7*01_S0199

383 sequences assigned
No exact matches.



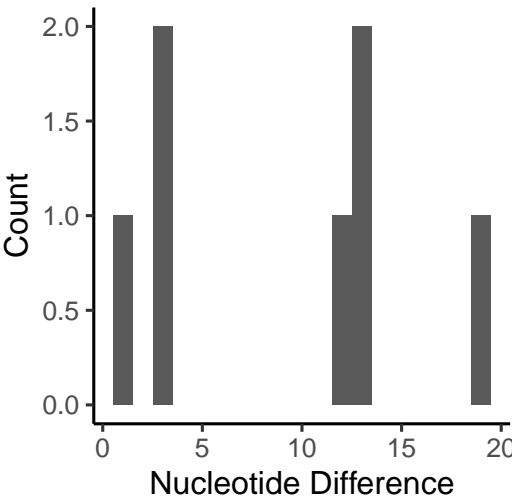
IGHV4–67*01_S8901

39 sequences assigned
9 (23.1%) exact matches, in which:
6 unique CDR3
1 unique J



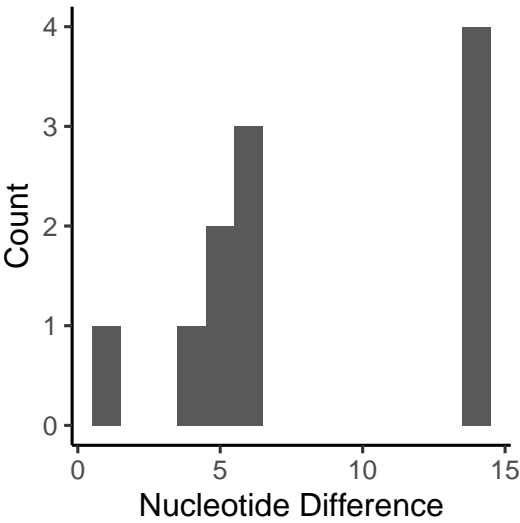
IGHV4–149*01_S0794

7 sequences assigned
No exact matches.



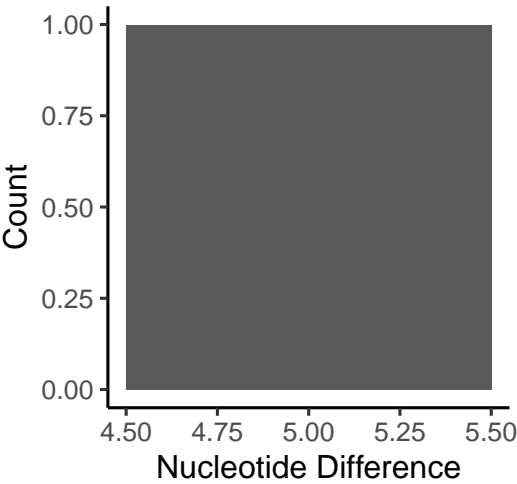
IGHV4-149*01_S4098

12 sequences assigned
No exact matches.



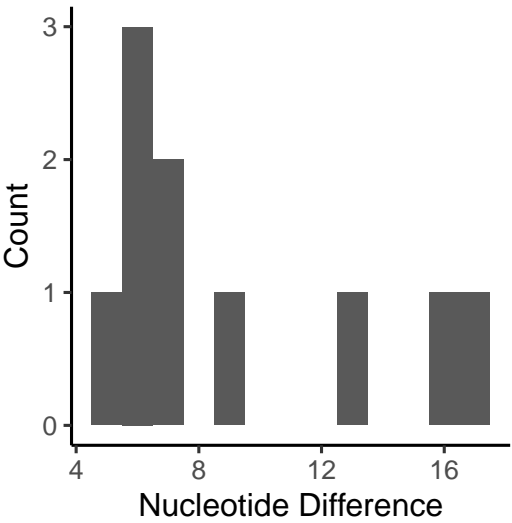
IGHV4-NL_1*02_S1777

1 sequences assigned
No exact matches.



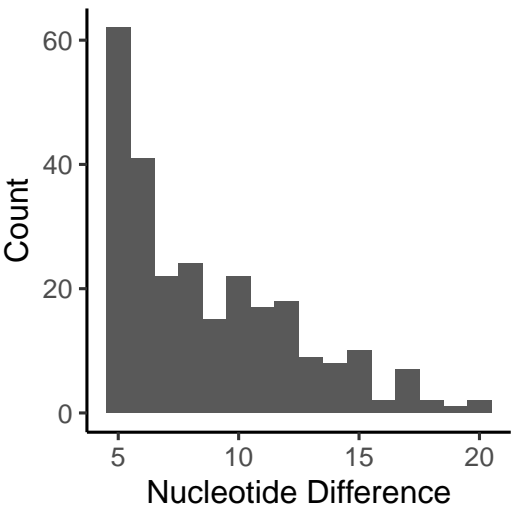
IGHV4-NL_20*01_S4754

10 sequences assigned
No exact matches.



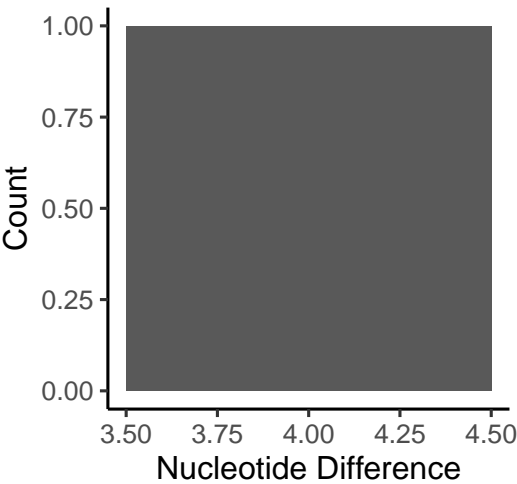
IGHV4-174*01

268 sequences assigned
No exact matches.



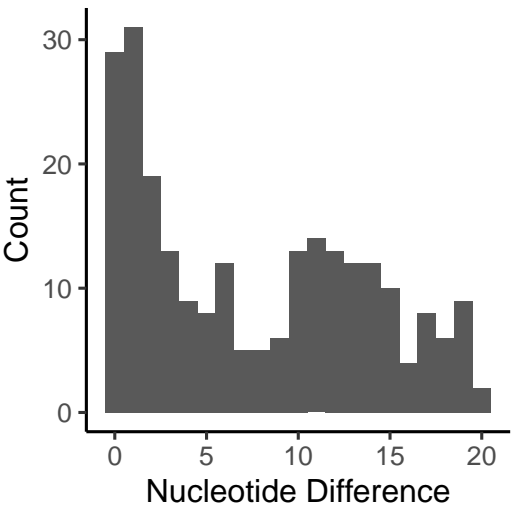
IGHV4-NL_10*01_S6744

1 sequences assigned
No exact matches.



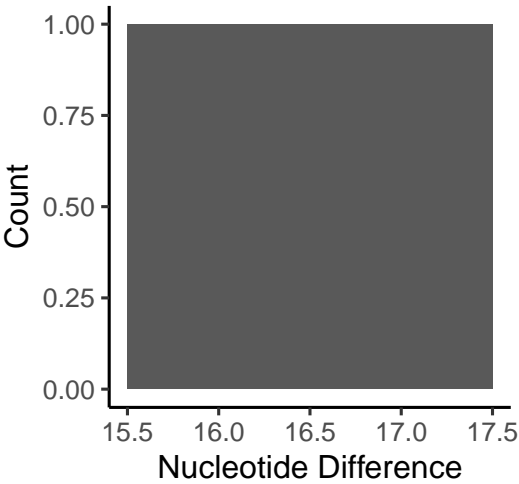
IGHV4-NL_21*01_S9849

267 sequences assigned
29 (10.9%) exact matches, in which:
24 unique CDR3
1 unique J



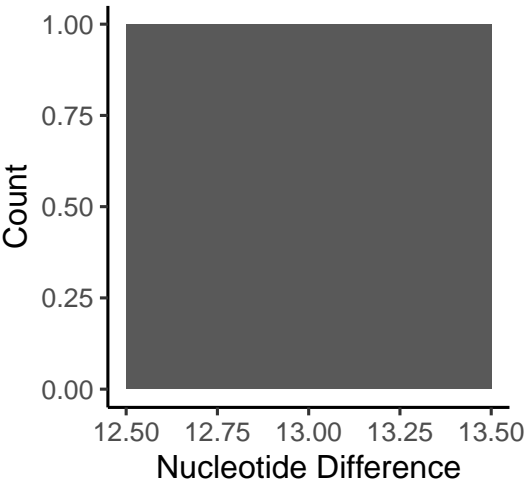
IGHV4-174*02_S5400

7 sequences assigned
No exact matches.



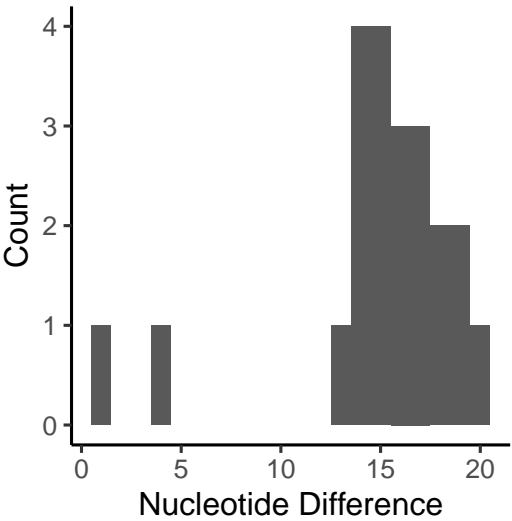
IGHV4-NL_13*01_S9744

1 sequences assigned
No exact matches.



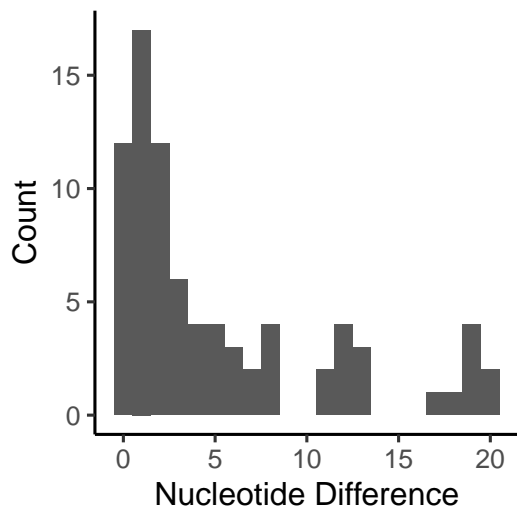
IGHV4-NL_22*01_S2393

32 sequences assigned
No exact matches.



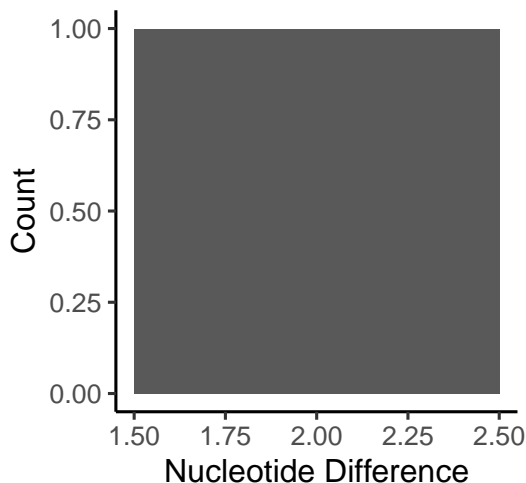
IGHV4–NL_27*01_S7643

87 sequences assigned
12 (13.8%) exact matches, in which:
10 unique CDR3
1 unique J



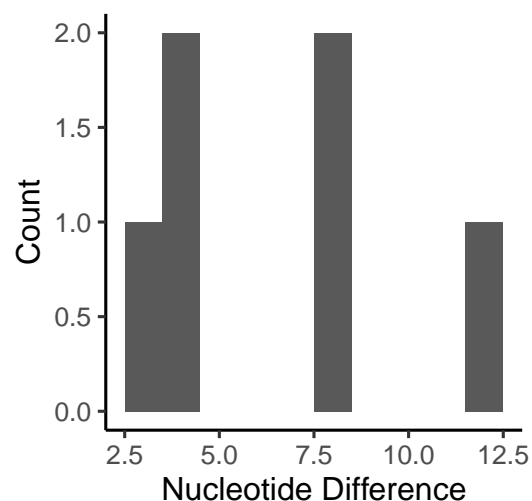
IGHV4–NL_33*01_S4377

3 sequences assigned
No exact matches.



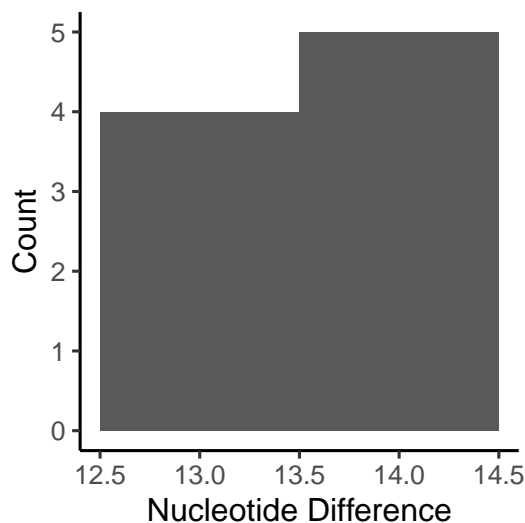
IGHV4–NL_4*01_S8866

6 sequences assigned
No exact matches.



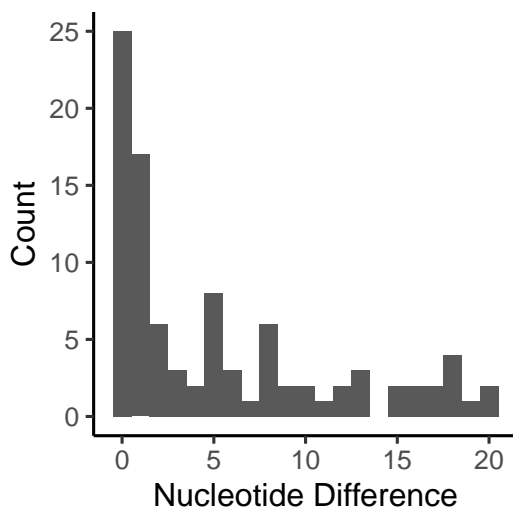
IGHV4–NL_29*01_S3761

9 sequences assigned
No exact matches.



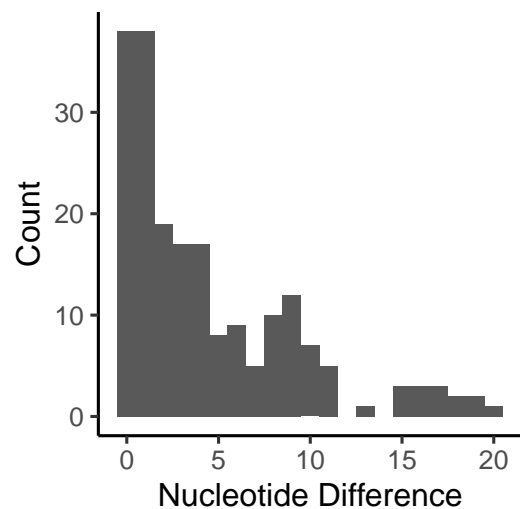
IGHV4–NL_36*01_S5847

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



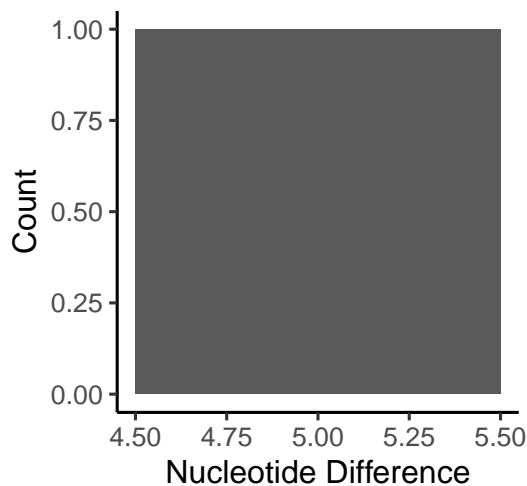
IGHV4–NL_40*01_S6921

225 sequences assigned
38 (16.9%) exact matches, in which:
30 unique CDR3
1 unique J



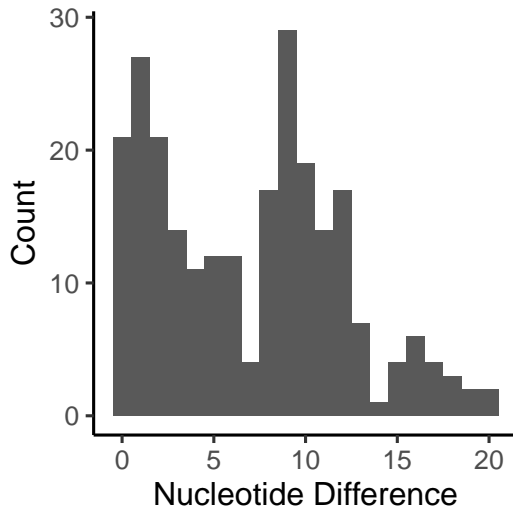
IGHV4–NL_3*01_S1577

1 sequences assigned
No exact matches.



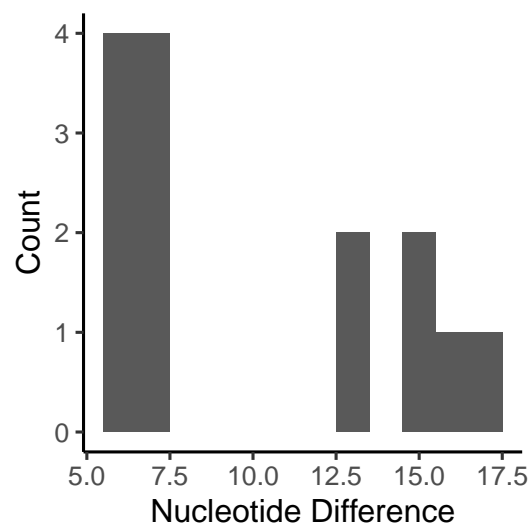
IGHV4–NL_38*01_S9244

255 sequences assigned
21 (8.2%) exact matches, in which:
20 unique CDR3
1 unique J



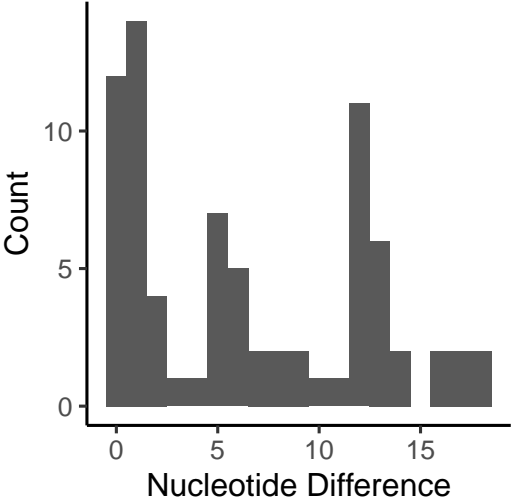
IGHV4–NL_42*01_S6064

14 sequences assigned
No exact matches.



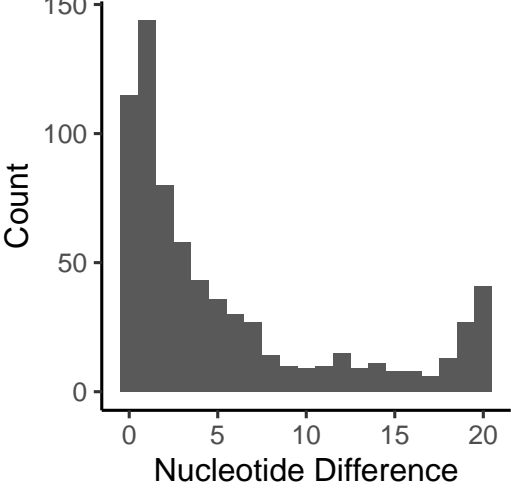
IGHV4–NL_5*01_S5442

80 sequences assigned
12 (15%) exact matches, in which:
10 unique CDR3
1 unique J



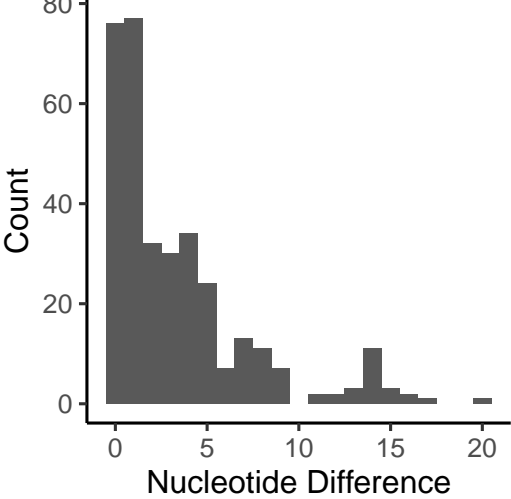
IGHV5–15*01_S4790

805 sequences assigned
115 (14.3%) exact matches, in which:
66 unique CDR3
1 unique J

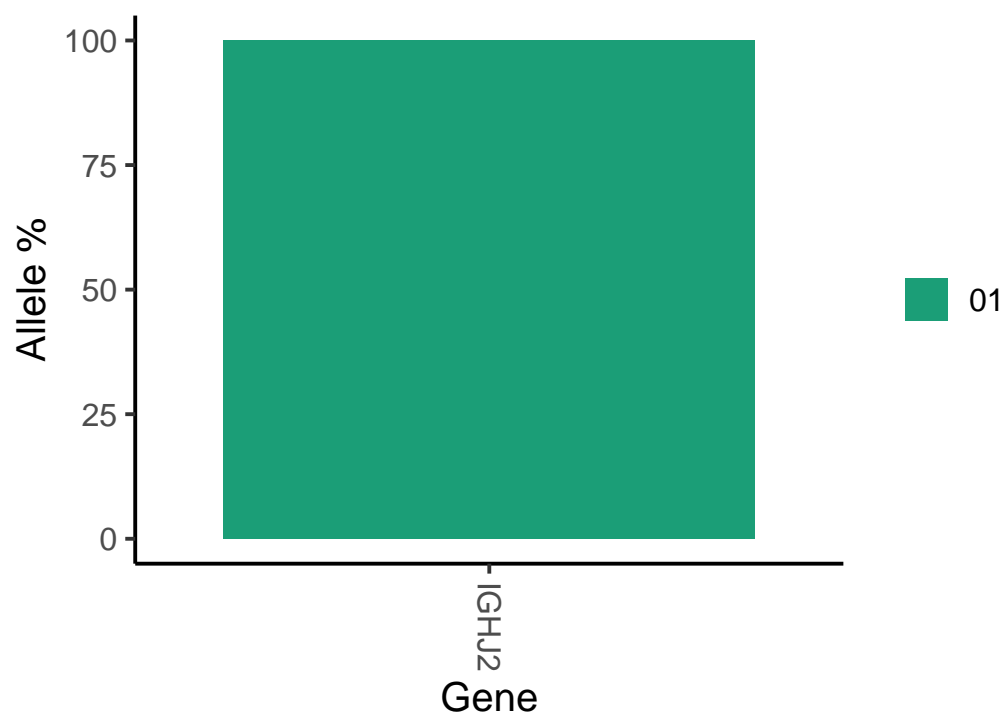


IGHV5–157*01_S8185

337 sequences assigned
76 (22.6%) exact matches, in which:
37 unique CDR3
1 unique J



Allele Usage



Warning – no inferred sequences found.