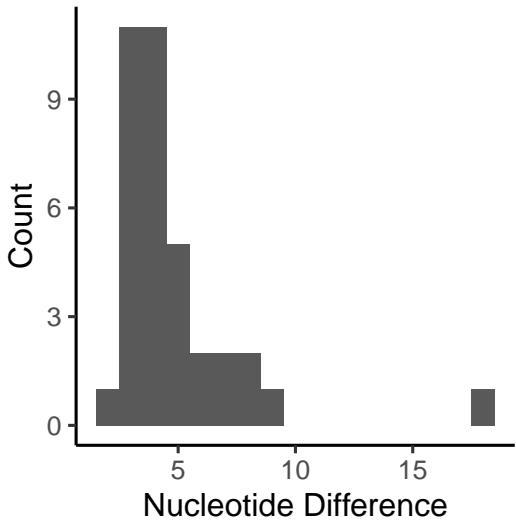


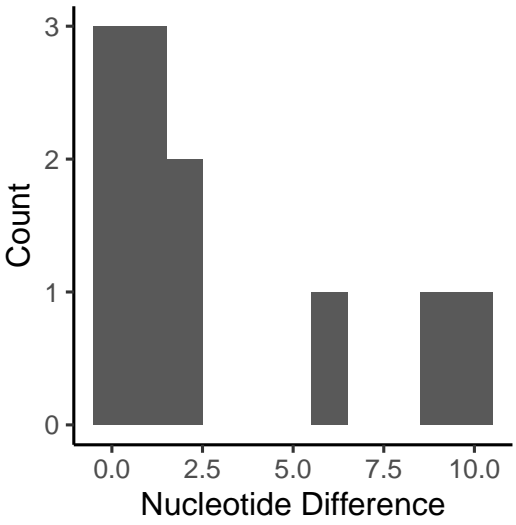
IGHV1-58*02

36 sequences assigned
No exact matches.



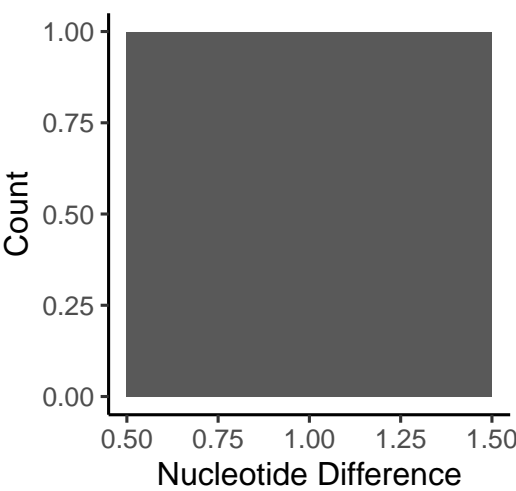
IGHV1-138*01_S6073

11 sequences assigned
3 (27.3%) exact matches, in which:
2 unique CDR3
1 unique J



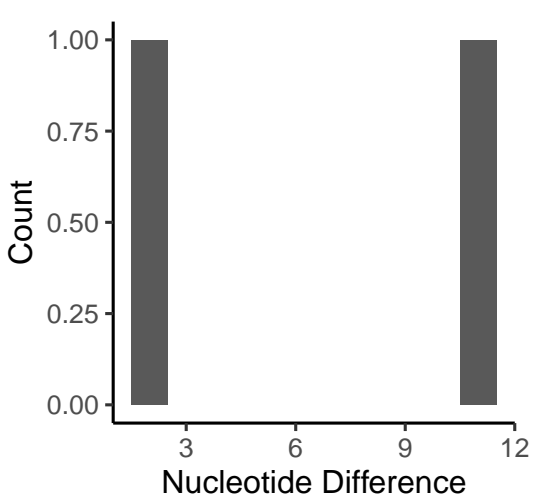
IGHV2-7*02_S1732

1 sequences assigned
No exact matches.



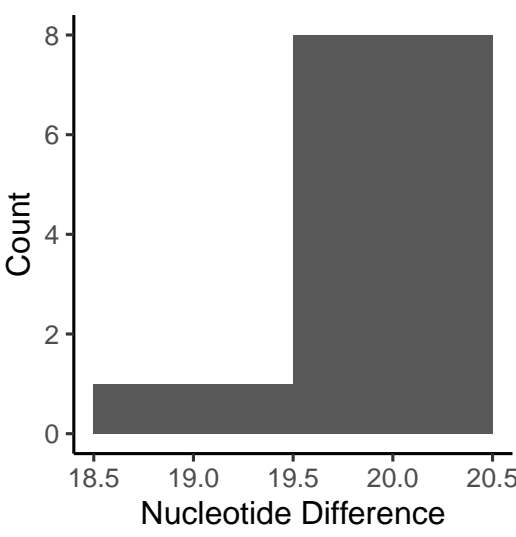
IGHV1-60*01_S1918

2 sequences assigned
No exact matches.



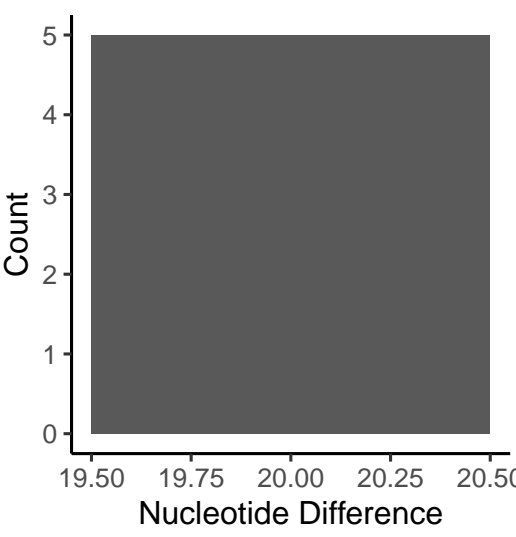
IGHV1-170*01_S3055

16 sequences assigned
No exact matches.



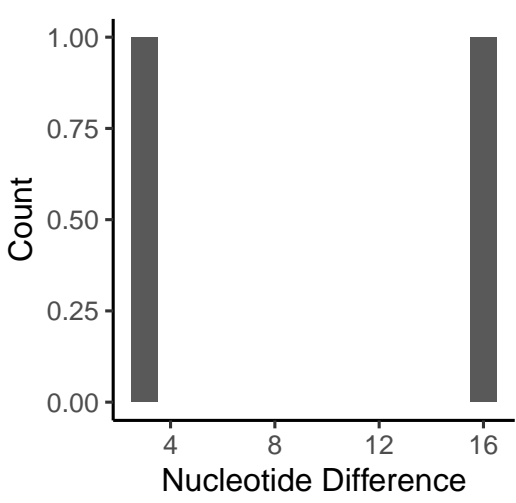
IGHV2-118*01_S4632

27 sequences assigned
No exact matches.



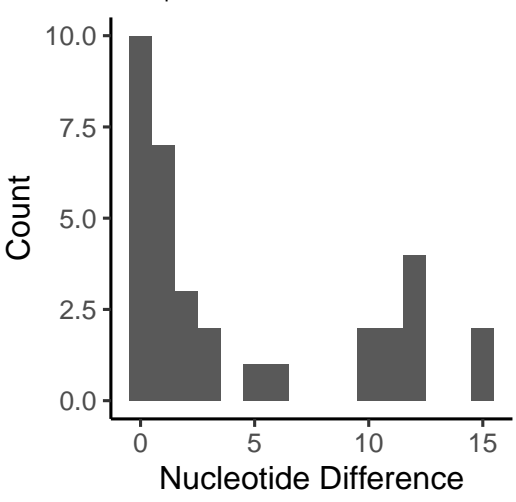
IGHV1-124*01_S7834

2 sequences assigned
No exact matches.



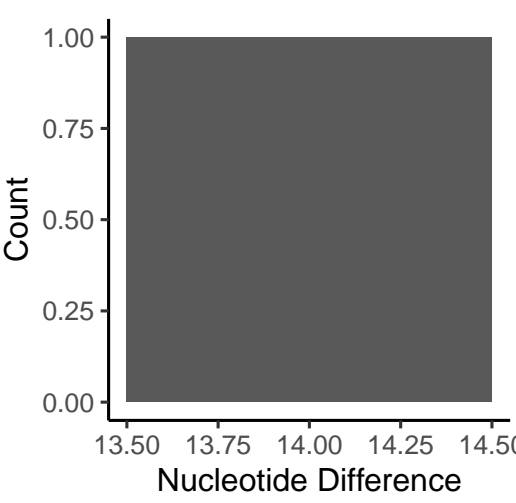
IGHV1-NL_1*01_S2052

34 sequences assigned
10 (29.4%) exact matches, in which:
7 unique CDR3
1 unique J



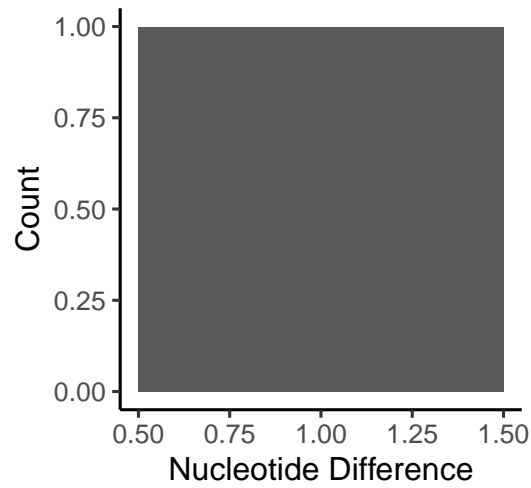
IGHV2-NL_1*01_S3296

1 sequences assigned
No exact matches.



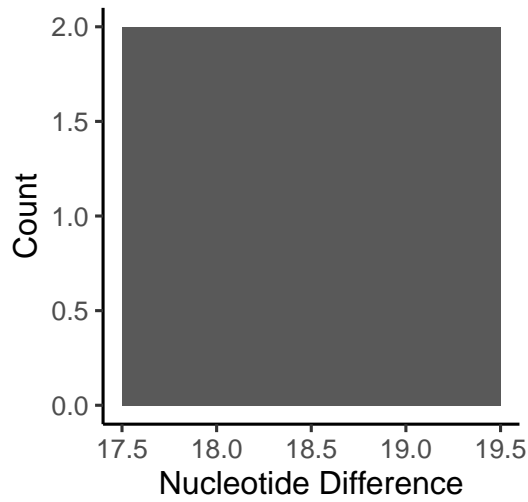
IGHV2-NL_1*01_S5779

1 sequences assigned
No exact matches.



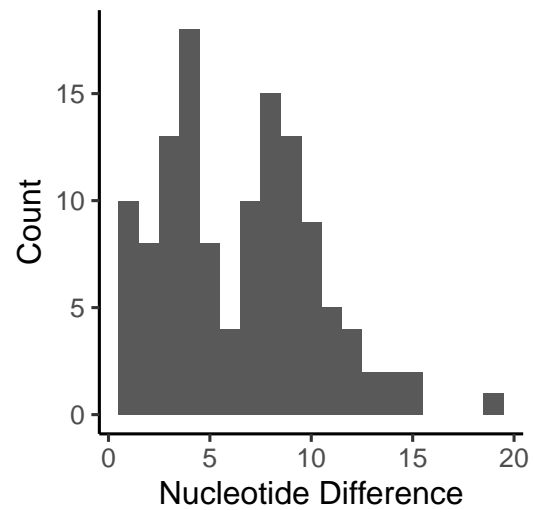
IGHV3-36*01

8 sequences assigned
No exact matches.



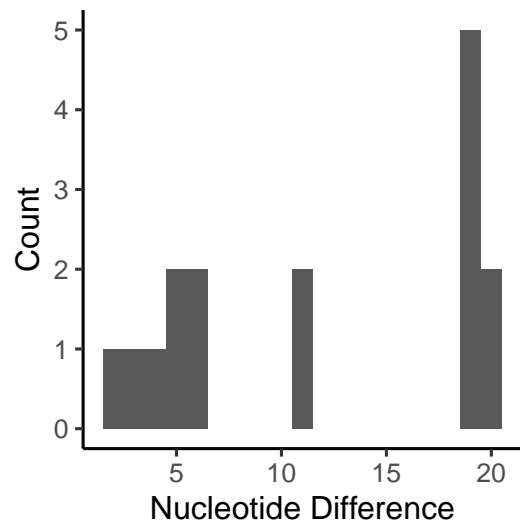
IGHV3-88*01_S4297

130 sequences assigned
No exact matches.



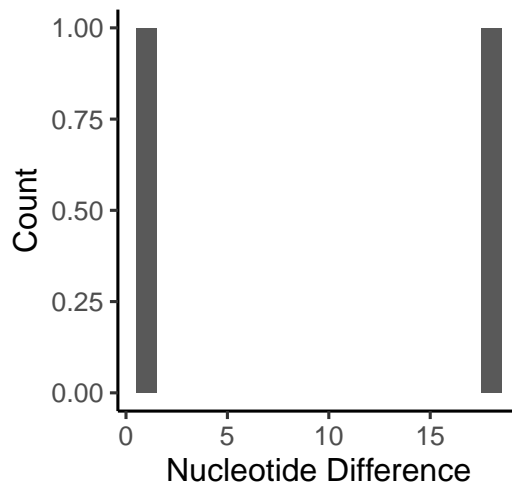
IGHV2-NL_2*01_S8873

35 sequences assigned
No exact matches.



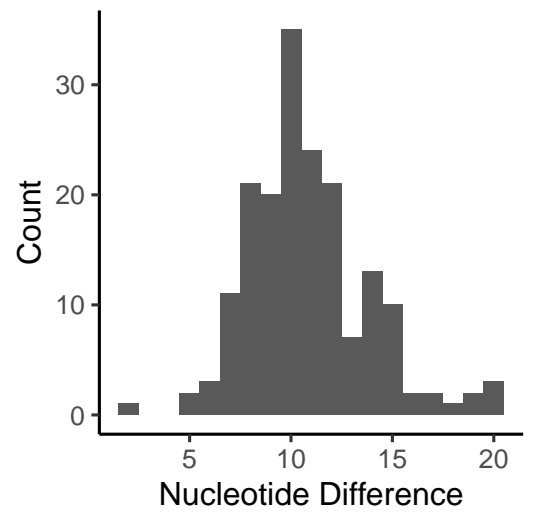
IGHV3-37*01_S4420

3 sequences assigned
No exact matches.



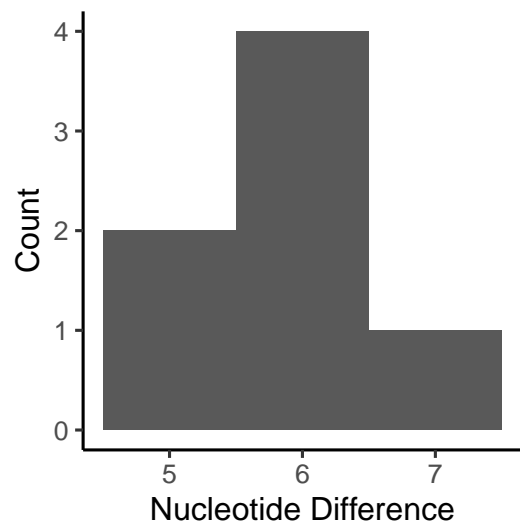
IGHV3-88*01_S9155

191 sequences assigned
No exact matches.



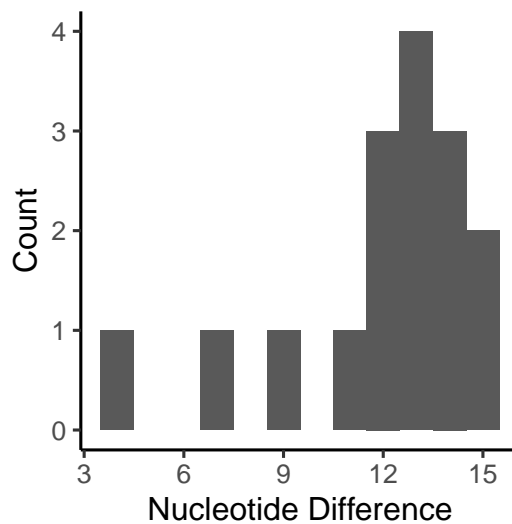
IGHV3-9*01_S0778

8 sequences assigned
No exact matches.



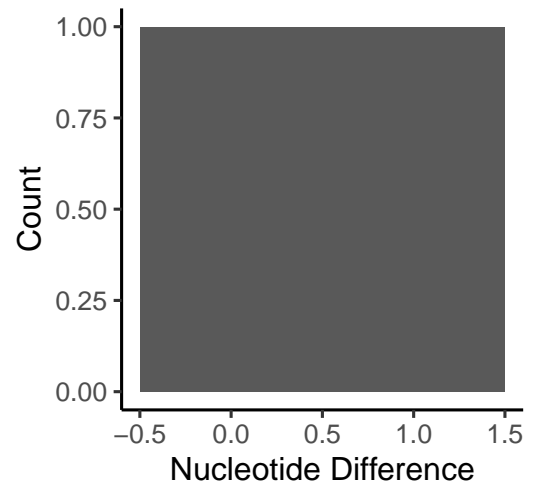
IGHV3-50*01_S4628

18 sequences assigned
No exact matches.



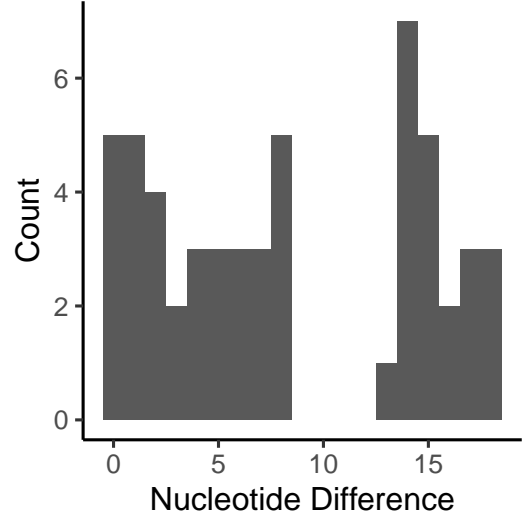
IGHV3-100*01_S4375

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



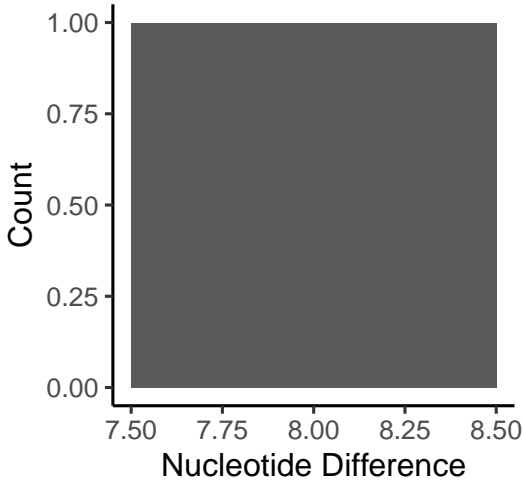
IGHV3-122*01_S8388

55 sequences assigned
5 (9.1%) exact matches, in which:
4 unique CDR3
1 unique J



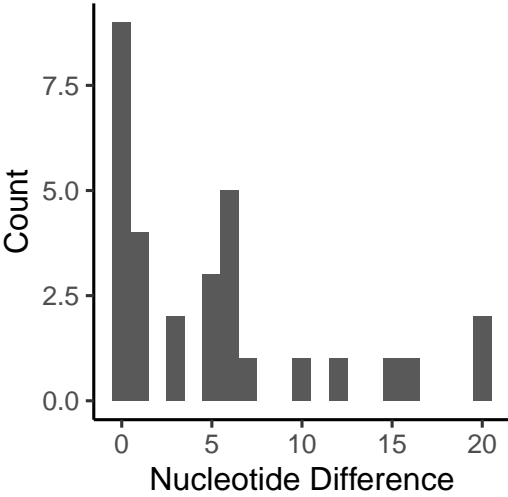
IGHV3-177*01_S1591

1 sequences assigned
No exact matches.



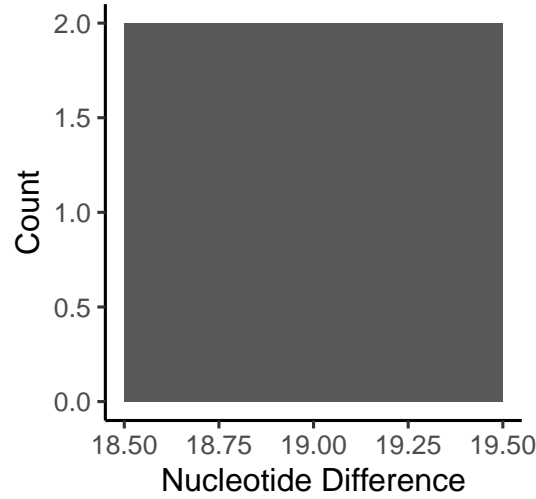
IGHV3-NL_1*01_S9854

37 sequences assigned
9 (24.3%) exact matches, in which:
5 unique CDR3
1 unique J



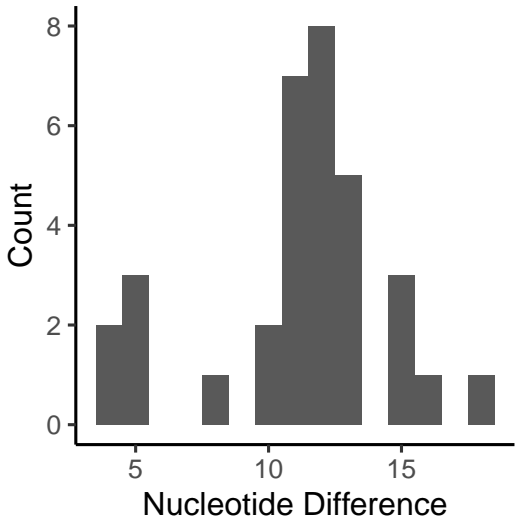
IGHV3-172*01_S1597

12 sequences assigned
No exact matches.



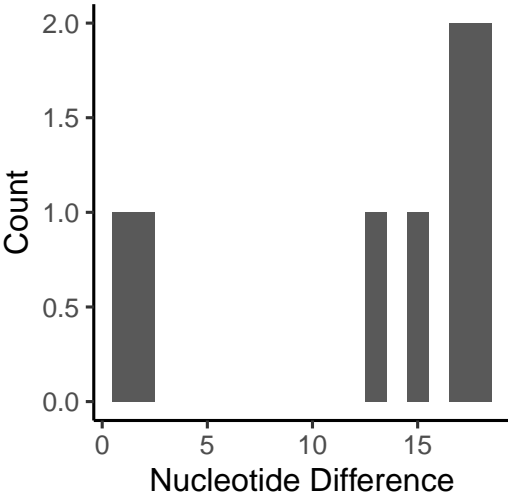
IGHV3-187*01_S4220

53 sequences assigned
No exact matches.



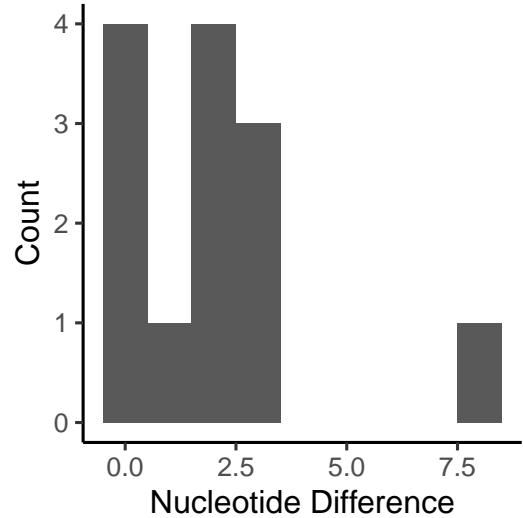
IGHV3-NL_11*01_S5714

11 sequences assigned
No exact matches.



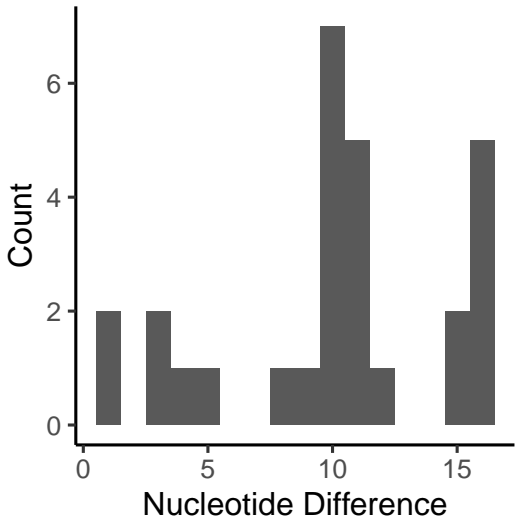
IGHV3-172*01_S2175

13 sequences assigned
4 (30.8%) exact matches, in which:
4 unique CDR3
1 unique J



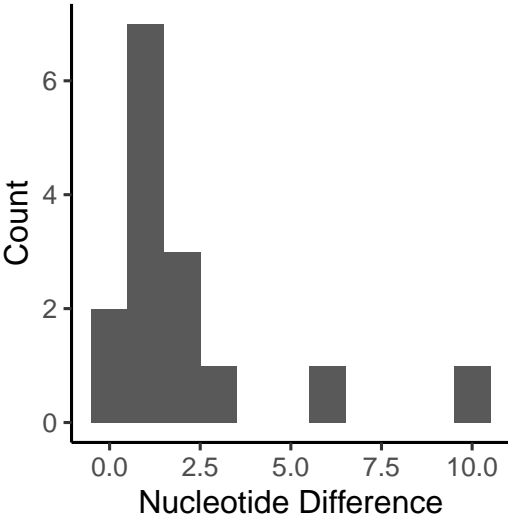
IGHV3-NL_1*01_S4549

28 sequences assigned
No exact matches.



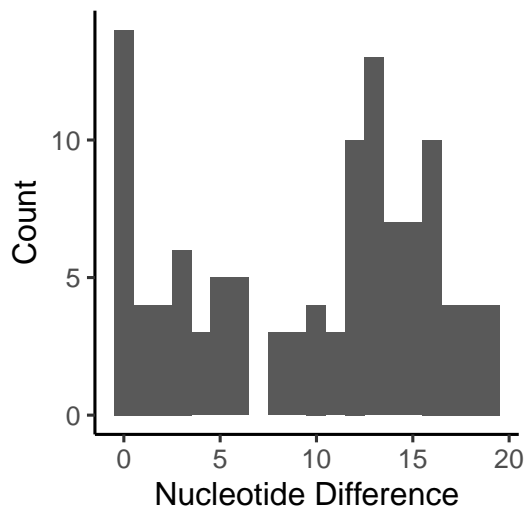
IGHV3-NL_14*01_S1113

15 sequences assigned
2 (13.3%) exact matches, in which:
2 unique CDR3
1 unique J



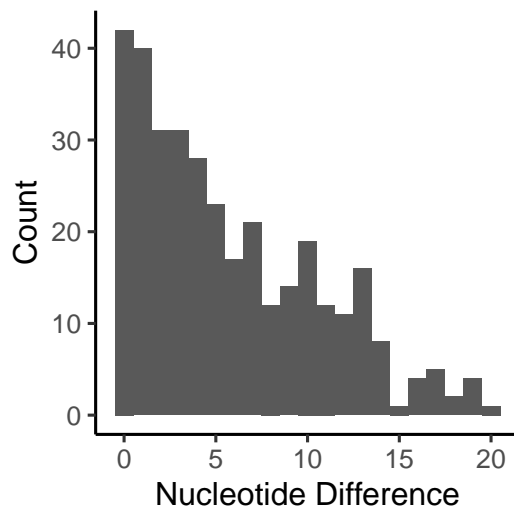
IGHV3–NL_17*01_S9589

115 sequences assigned
14 (12.2%) exact matches, in which:
6 unique CDR3
1 unique J



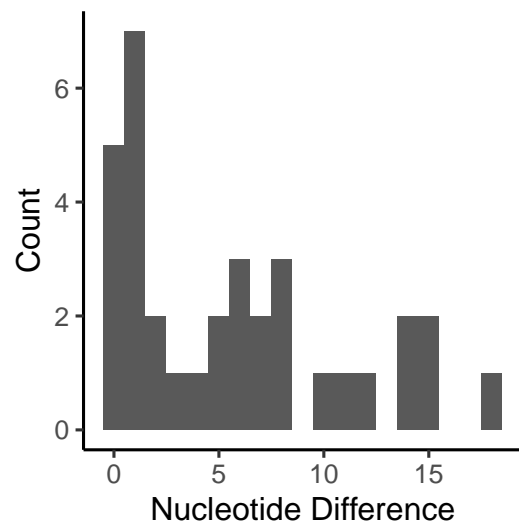
IGHV4–117*01_S4879

351 sequences assigned
42 (12%) exact matches, in which:
34 unique CDR3
1 unique J



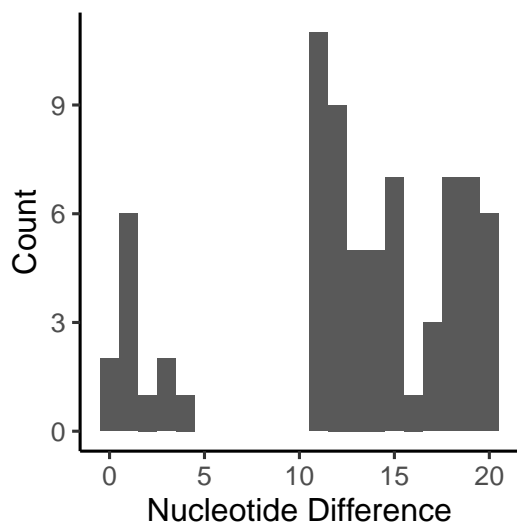
IGHV4–NL_1*02_S5220

35 sequences assigned
5 (14.3%) exact matches, in which:
5 unique CDR3
1 unique J



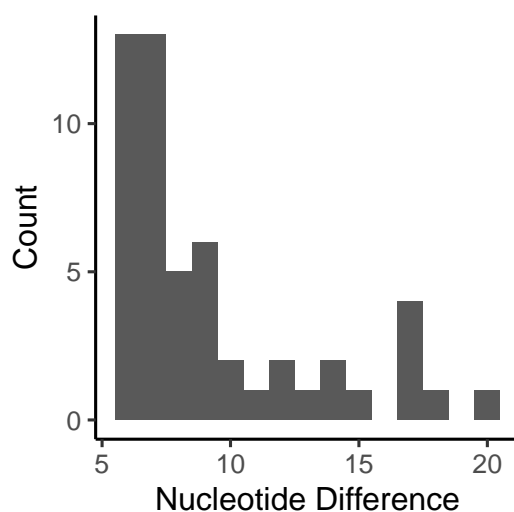
IGHV3–NL_9*01_S6098

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



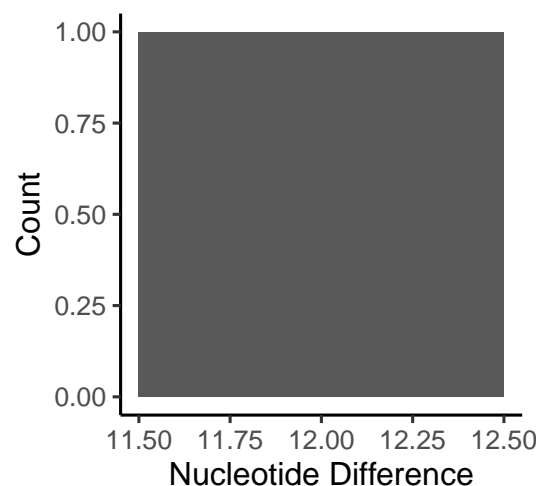
IGHV4–149*02_S8521

55 sequences assigned
No exact matches.



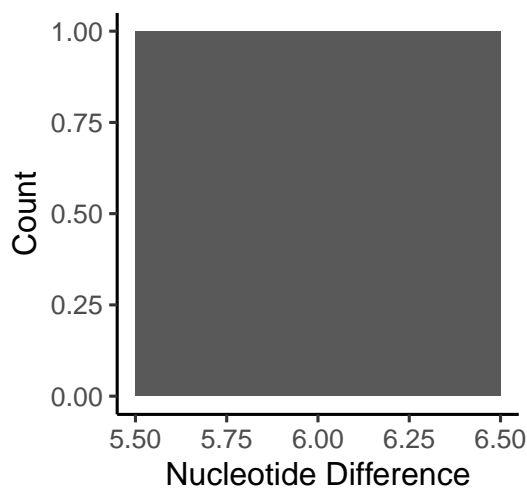
IGHV4–NL_12*01_S8068

2 sequences assigned
No exact matches.



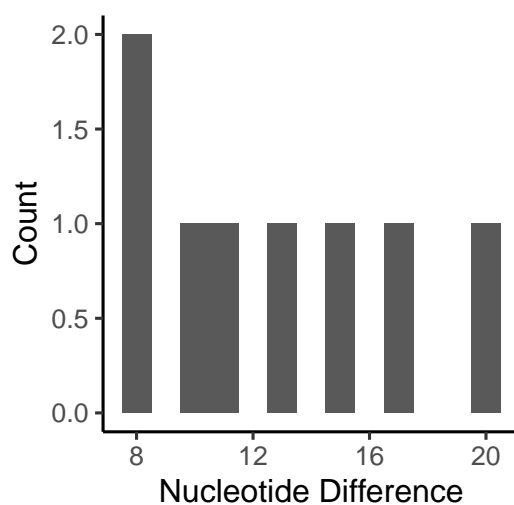
IGHV4–93*01_S5203

1 sequences assigned
No exact matches.



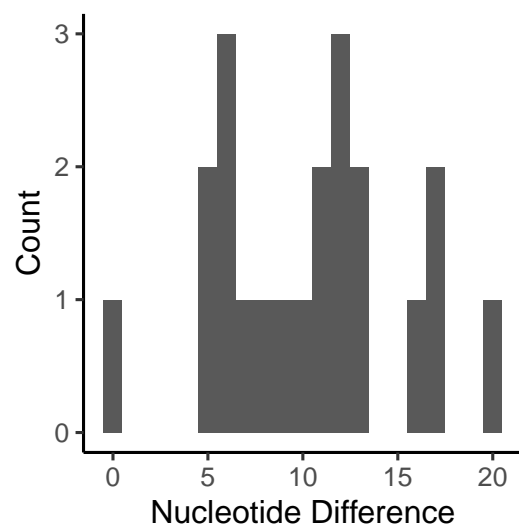
IGHV4–174*02_S5400

8 sequences assigned
No exact matches.



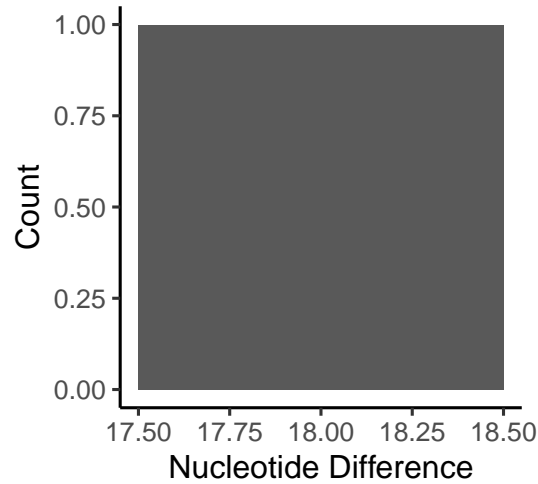
IGHV4–NL_16*01_S2138

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



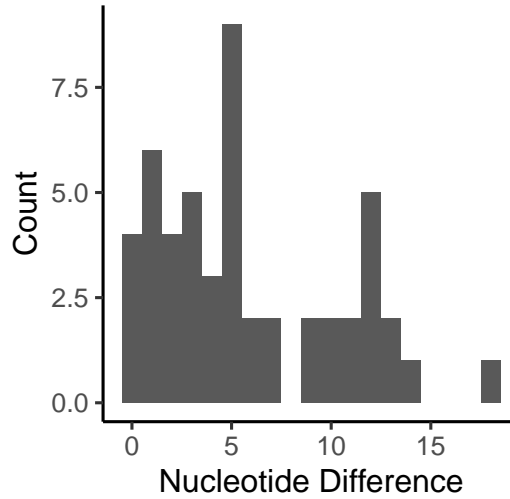
IGHV4-NL_17*01_S2080

1 sequences assigned
No exact matches.



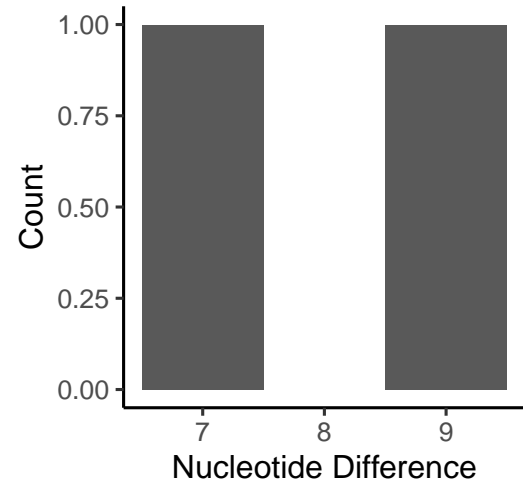
IGHV4-NL_23*01_S7678

52 sequences assigned
4 (7.7%) exact matches, in which:
4 unique CDR3
1 unique J



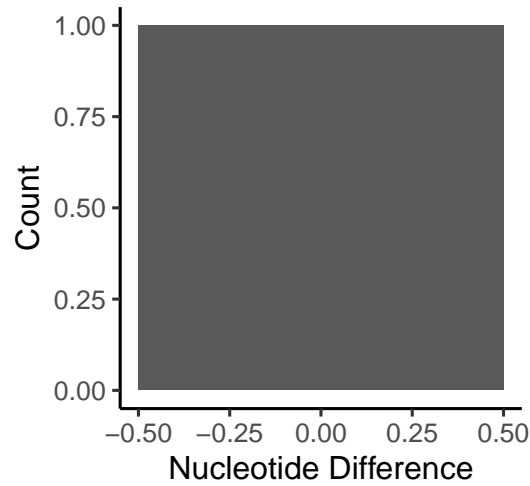
IGHV4-NL_33*01_S4377

3 sequences assigned
No exact matches.



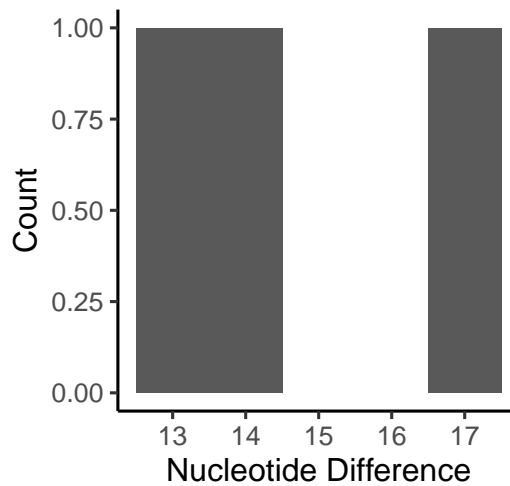
IGHV4-NL_17*01_S4095

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



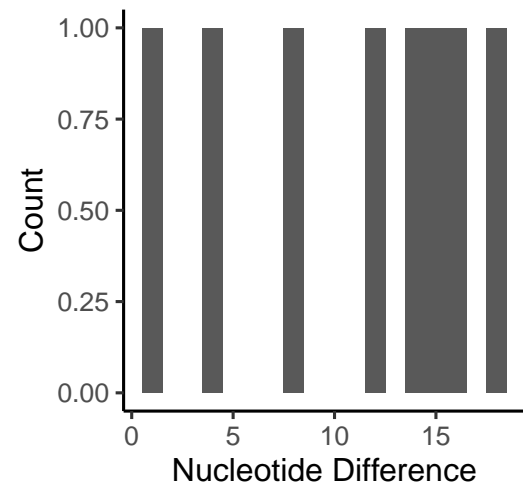
IGHV4-NL_25*01_S6604

5 sequences assigned
No exact matches.



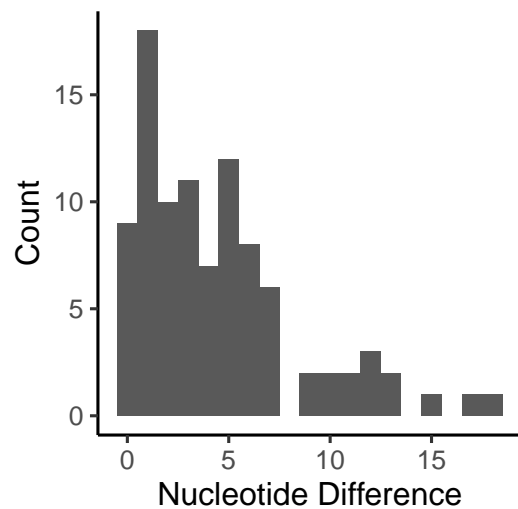
IGHV4-NL_33*01_S5535

8 sequences assigned
No exact matches.



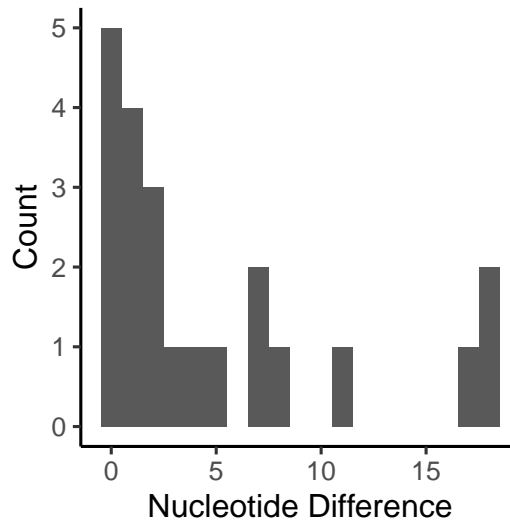
IGHV4-NL_20*01_S4754

117 sequences assigned
9 (7.7%) exact matches, in which:
8 unique CDR3
1 unique J



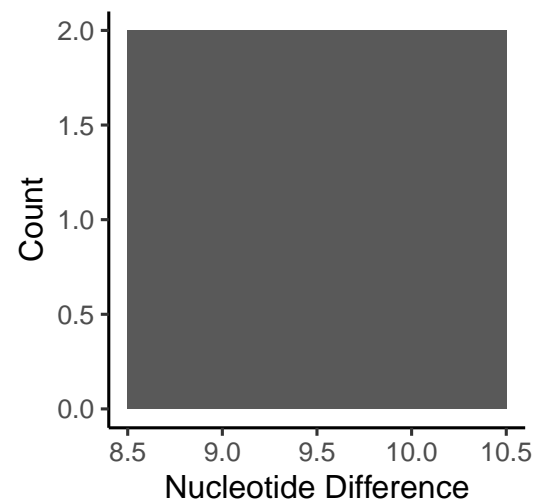
IGHV4-NL_27*01_S4348

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



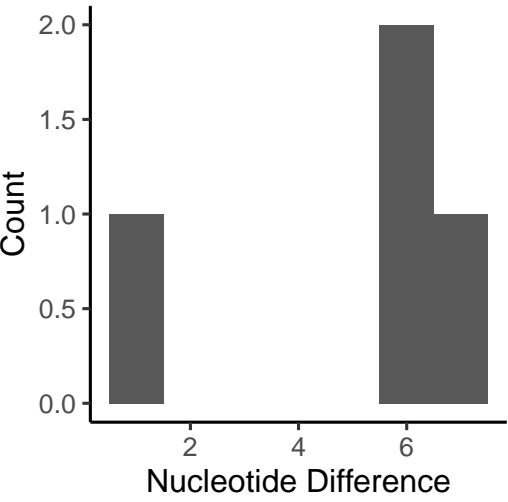
IGHV4-NL_36*01_S6687

4 sequences assigned
No exact matches.



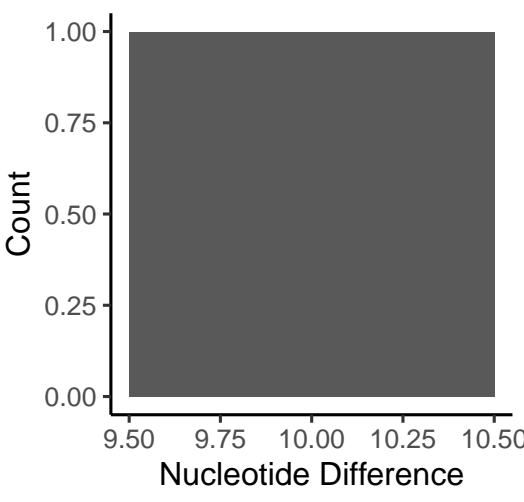
IGHV4-NL_36*01_S6973

4 sequences assigned
No exact matches.



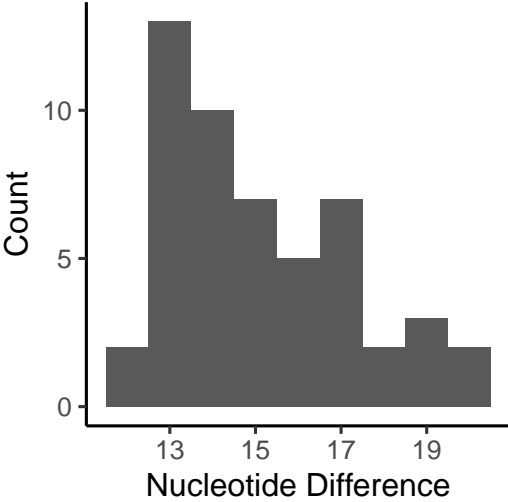
IGHV4-NL_38*01_S9244

1 sequences assigned
No exact matches.



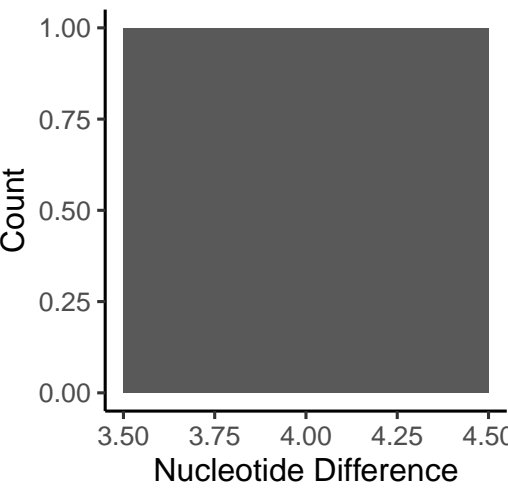
IGHV4-NL_43*01_S4510

53 sequences assigned
No exact matches.



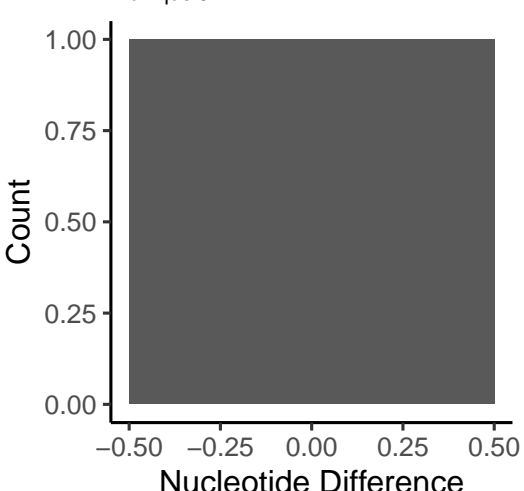
IGHV4-NL_36*01_S8200

1 sequences assigned
No exact matches.



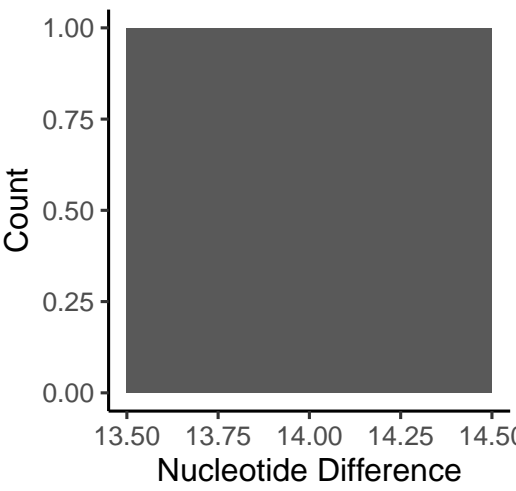
IGHV4-NL_40*01_S6927

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



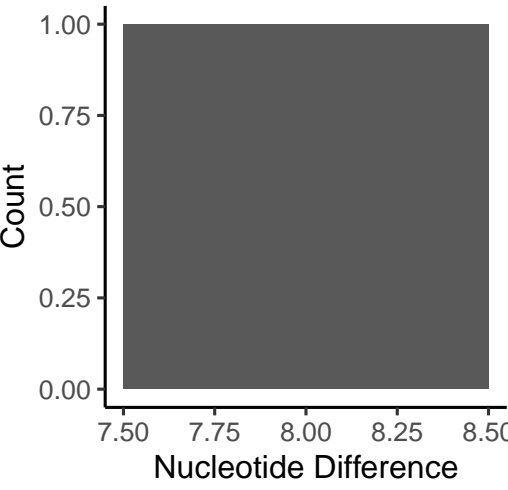
IGHV4-NL_5*01_S2634

1 sequences assigned
No exact matches.



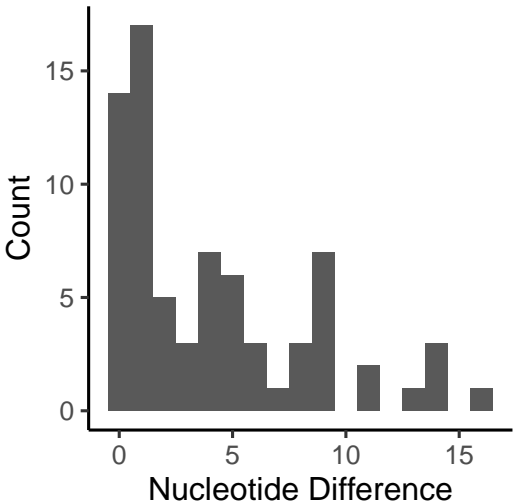
IGHV4-NL_38*01_S5467

1 sequences assigned
No exact matches.



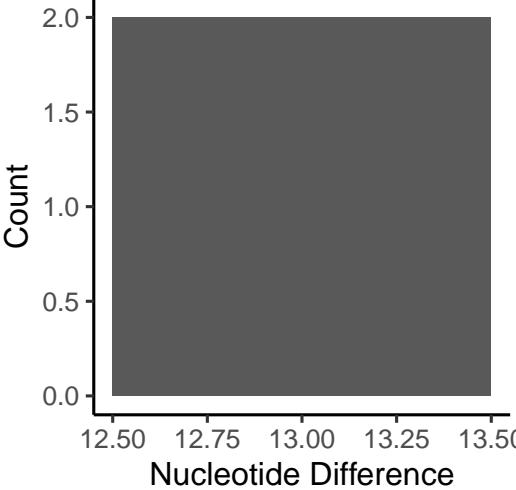
IGHV4-NL_42*01_S3076

74 sequences assigned
14 (18.9%) exact matches, in which:
11 unique CDR3
1 unique J



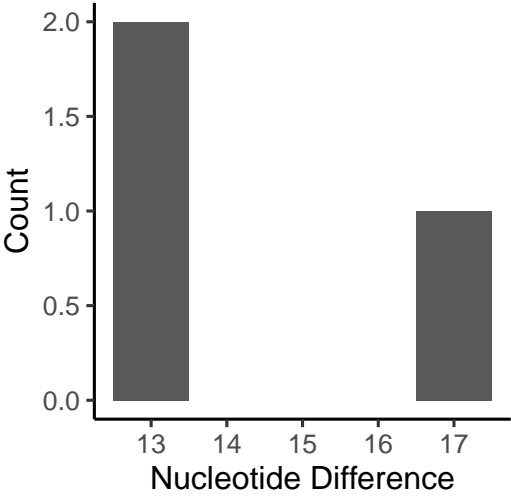
IGHV4-NL_5*01_S5442

3 sequences assigned
No exact matches.



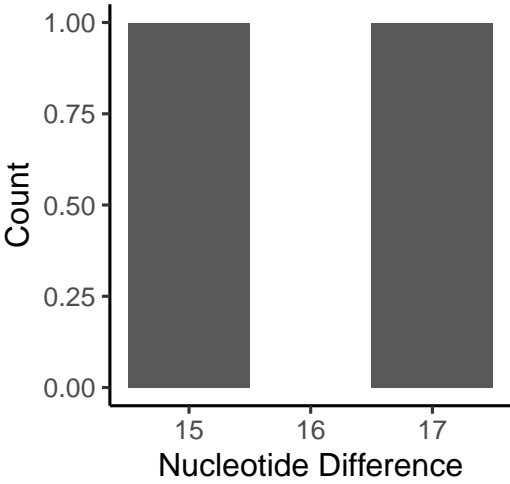
IGHV4–NL_5*01_S8913

15 sequences assigned
No exact matches.



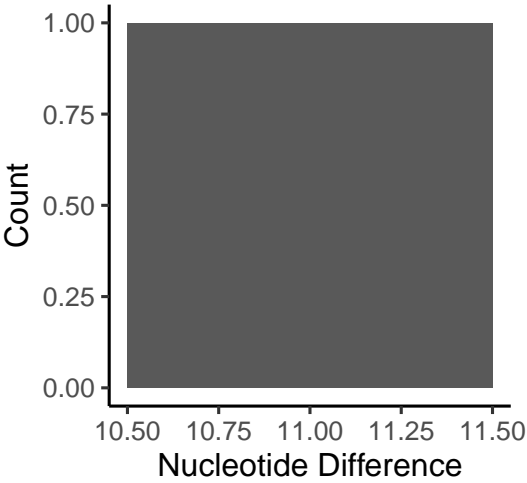
IGHV4–NL_9*01_S4990

3 sequences assigned
No exact matches.



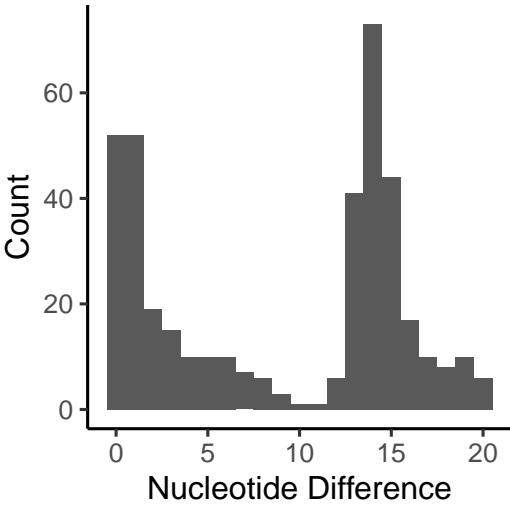
IGHV4–NL_6*01_S0677

1 sequences assigned
No exact matches.



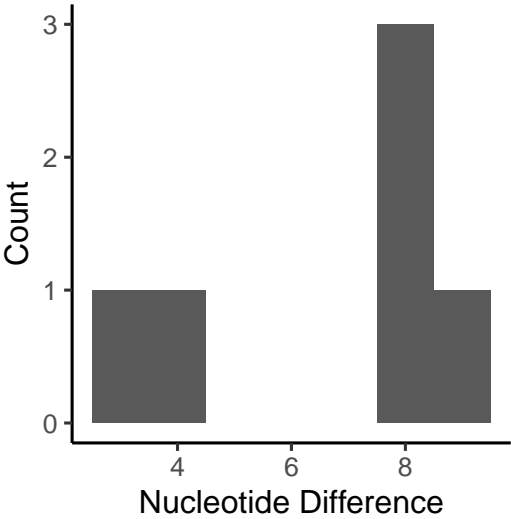
IGHV5–15*01_S9061

435 sequences assigned
52 (12%) exact matches, in which:
32 unique CDR3
1 unique J

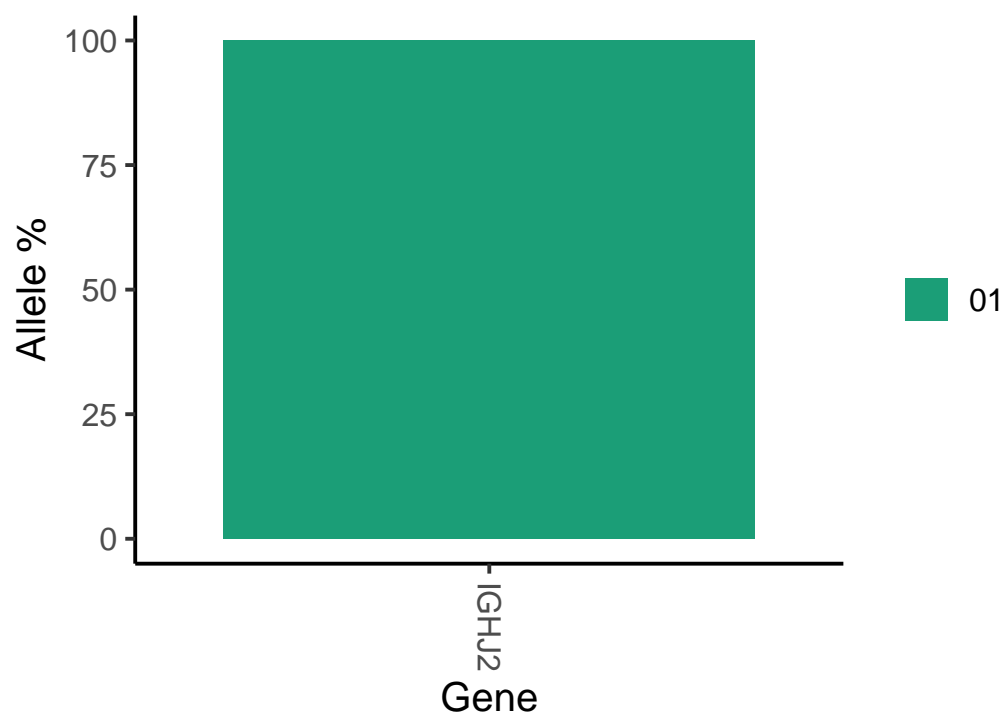


IGHV4–NL_9*01_S3502

6 sequences assigned
No exact matches.



Allele Usage



Warning – no inferred sequences found.