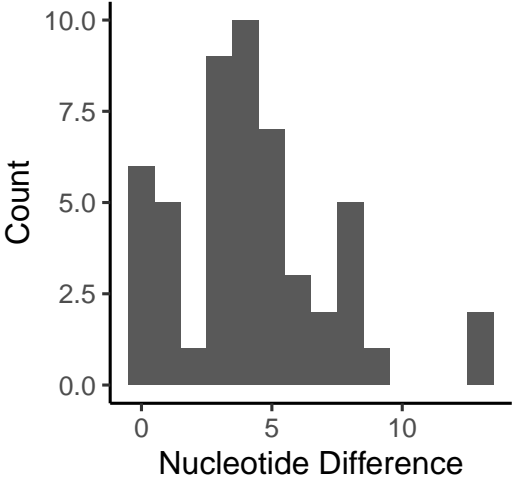


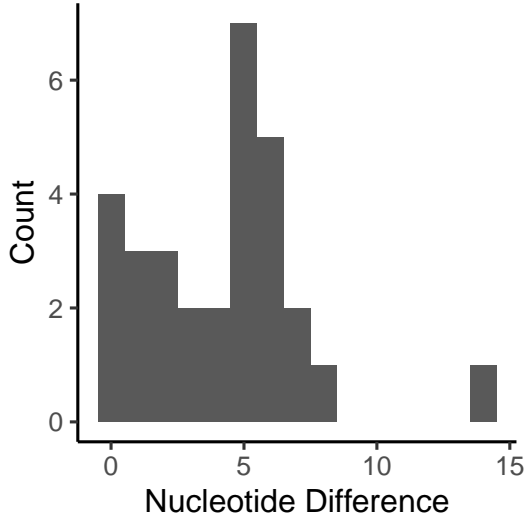
IGHV1-138*01_S2054

51 sequences assigned
6 (11.8%) exact matches, in which:
4 unique CDR3
1 unique J



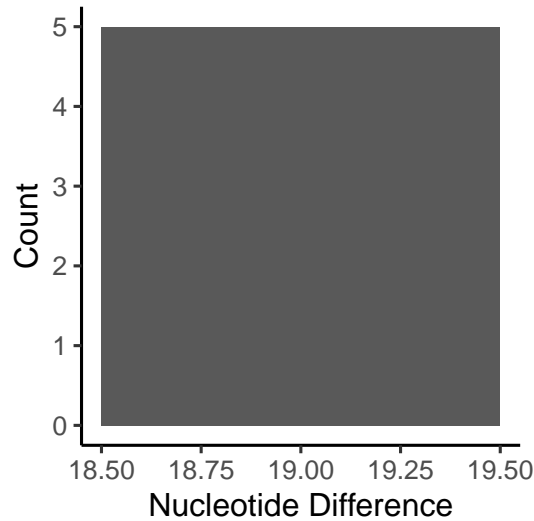
IGHV2-7*02_S1732

31 sequences assigned
4 (12.9%) exact matches, in which:
3 unique CDR3
1 unique J



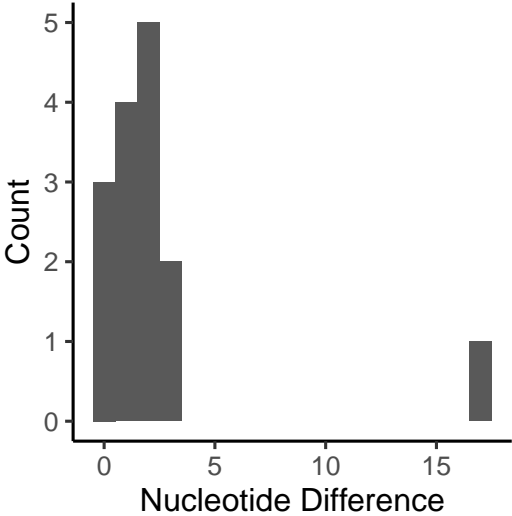
IGHV3-36*01

7 sequences assigned
No exact matches.



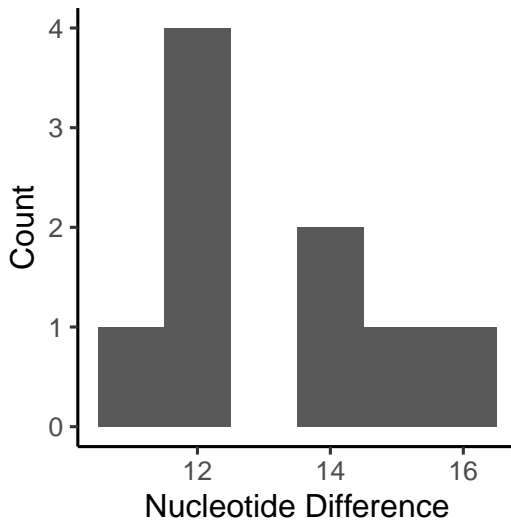
IGHV1-NL_1*01_S2052

15 sequences assigned
3 (20%) exact matches, in which:
3 unique CDR3
1 unique J



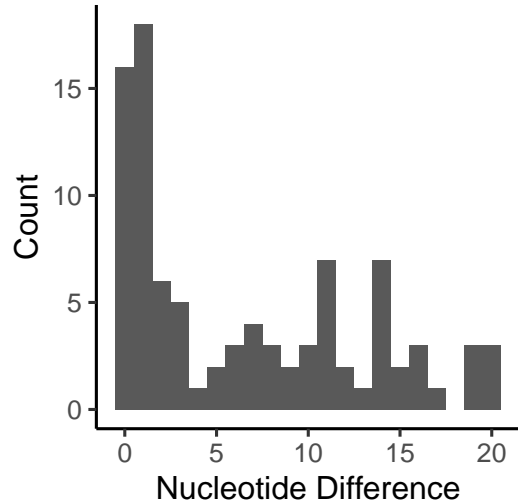
IGHV2-NL_1*01_S5779

11 sequences assigned
No exact matches.



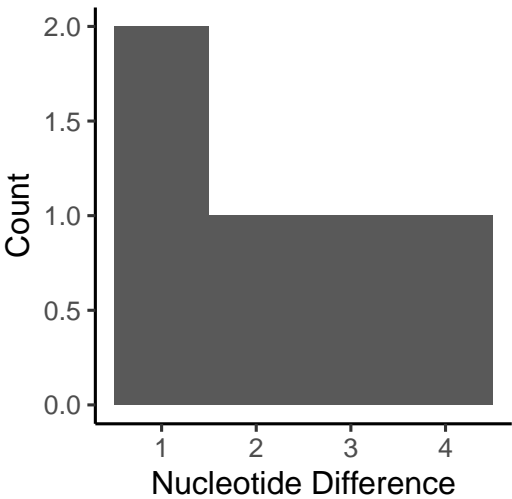
IGHV3-50*01_S1879

93 sequences assigned
16 (17.2%) exact matches, in which:
12 unique CDR3
1 unique J



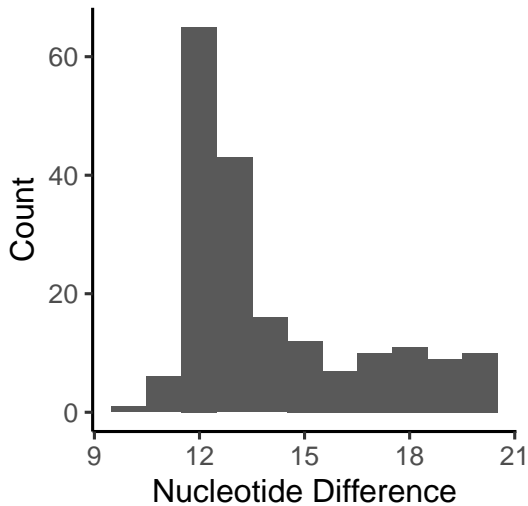
IGHV1-NL_1*01_S8523

5 sequences assigned
No exact matches.



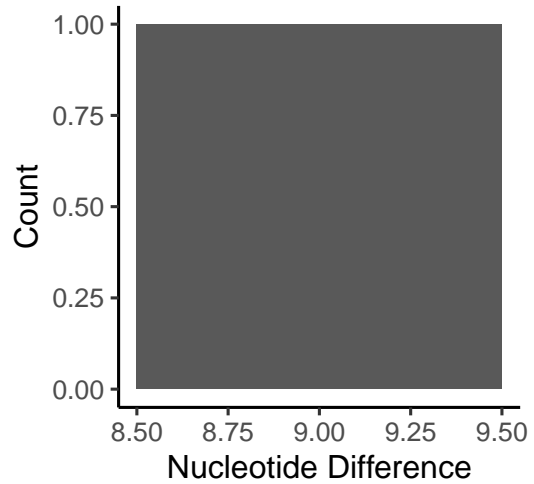
IGHV2-NL_1*01_S9725

254 sequences assigned
No exact matches.



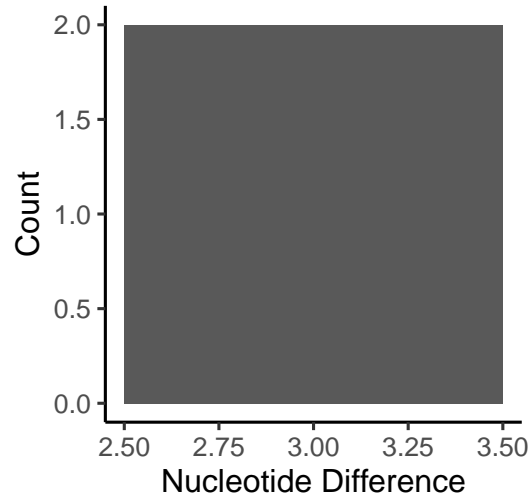
IGHV3-141*01_S3493

2 sequences assigned
No exact matches.



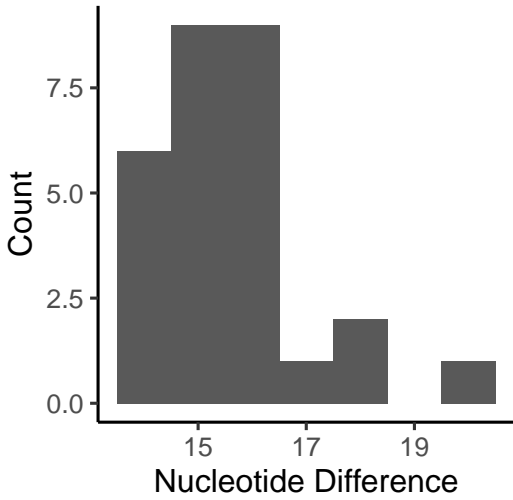
IGHV3-141*01_S8690

2 sequences assigned
No exact matches.



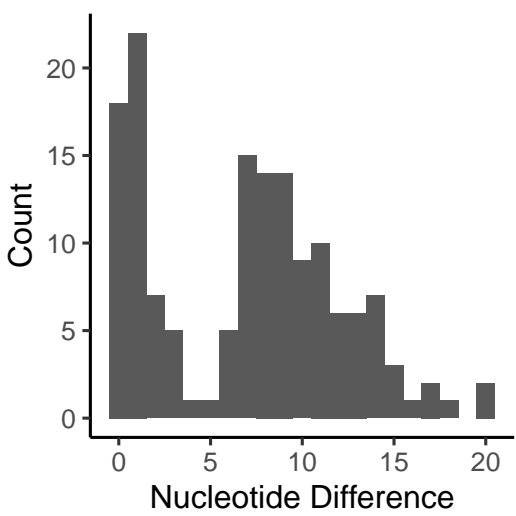
IGHV3-177*01_S8970

31 sequences assigned
No exact matches.



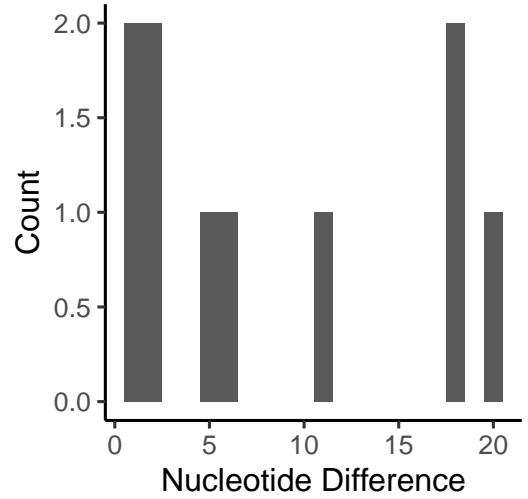
IGHV3-NL_11*01_S3736

153 sequences assigned
18 (11.8%) exact matches, in which:
12 unique CDR3
1 unique J



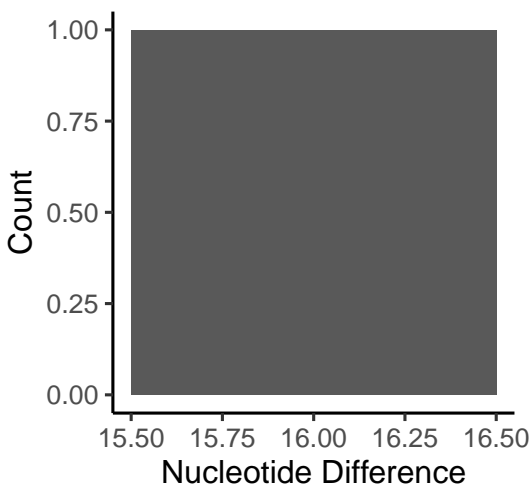
IGHV3-172*01_S1597

23 sequences assigned
No exact matches.



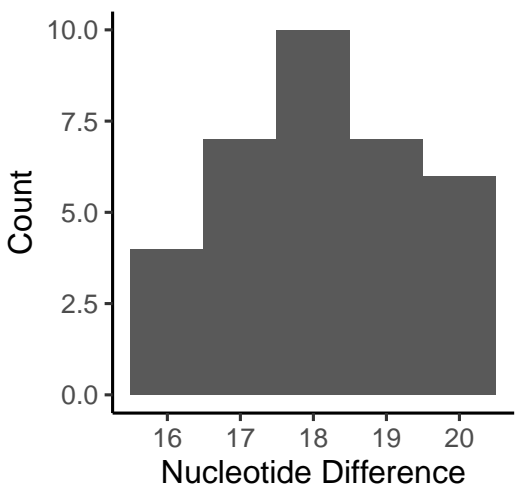
IGHV3-NL_1*01_S9422

1 sequences assigned
No exact matches.



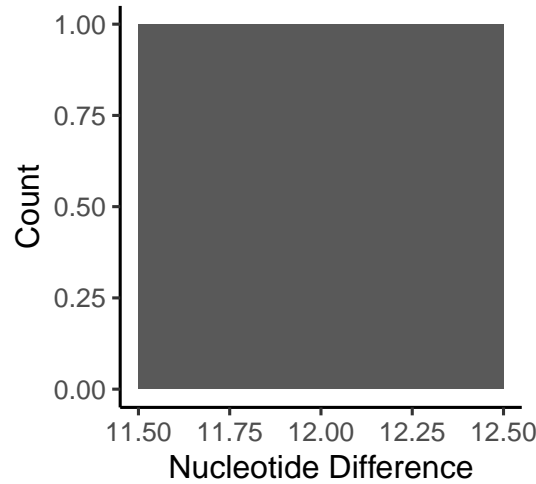
IGHV3-NL_12*02_S6994

54 sequences assigned
No exact matches.



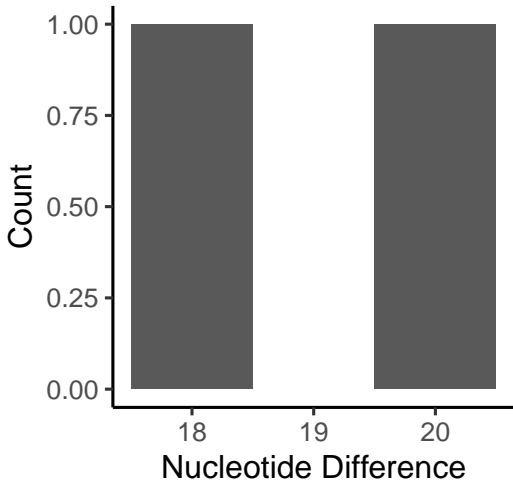
IGHV3-177*01_S8387

1 sequences assigned
No exact matches.



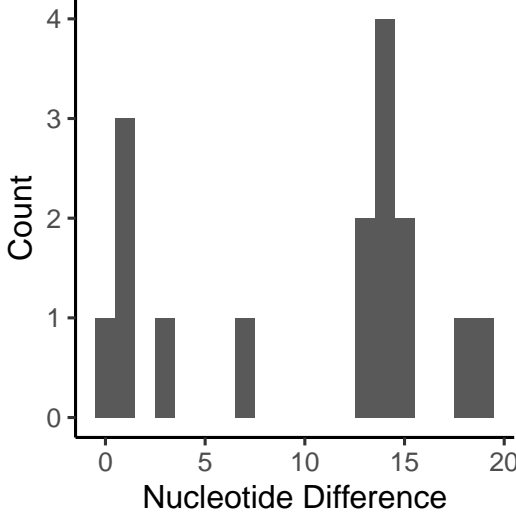
IGHV3-NL_10*02_S2212

5 sequences assigned
No exact matches.



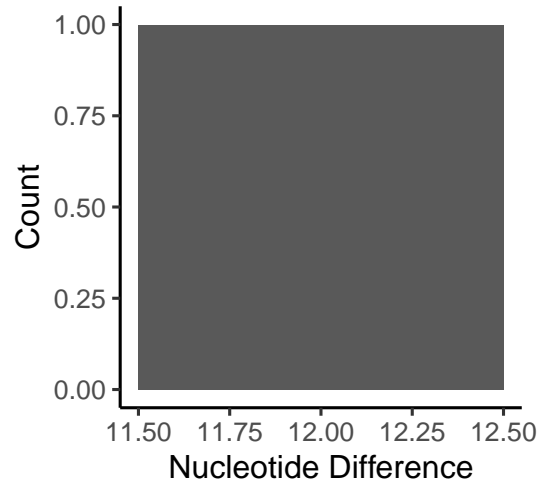
IGHV3-NL_17*01_S4250

17 sequences assigned
1 (5.9%) exact matches, in which:
1 unique CDR3
1 unique J



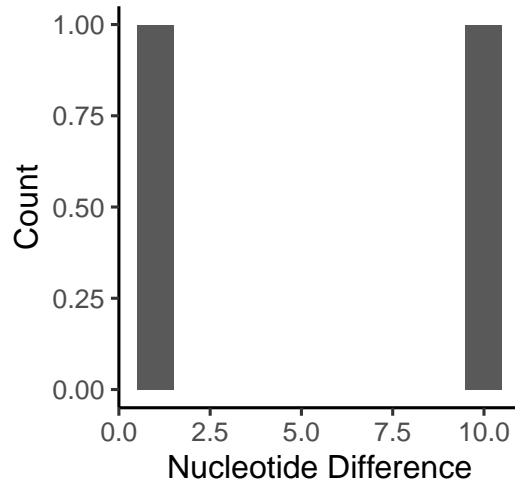
IGHV3–NL_4*01_S6405

2 sequences assigned
No exact matches.



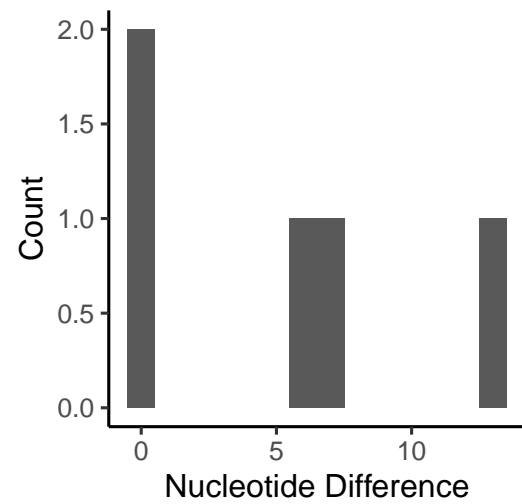
IGHV4–67*02_S8671

2 sequences assigned
No exact matches.



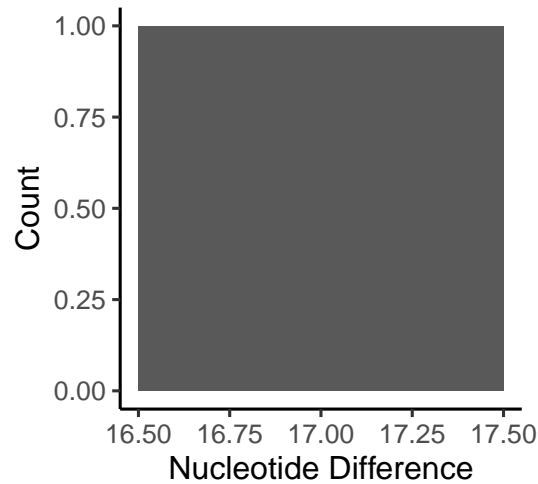
IGHV4–150*01_S8038

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



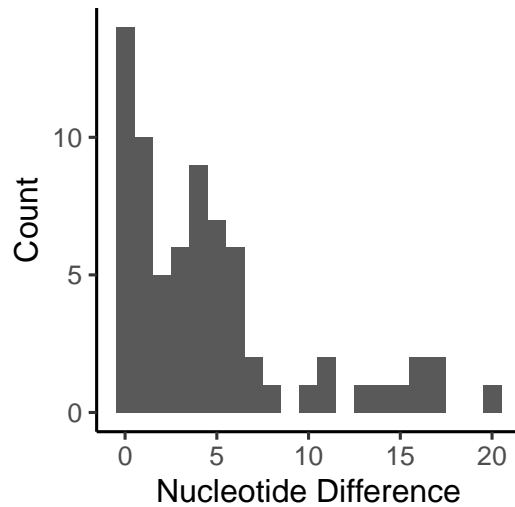
IGHV3–NL_4*01_S9067

1 sequences assigned
No exact matches.



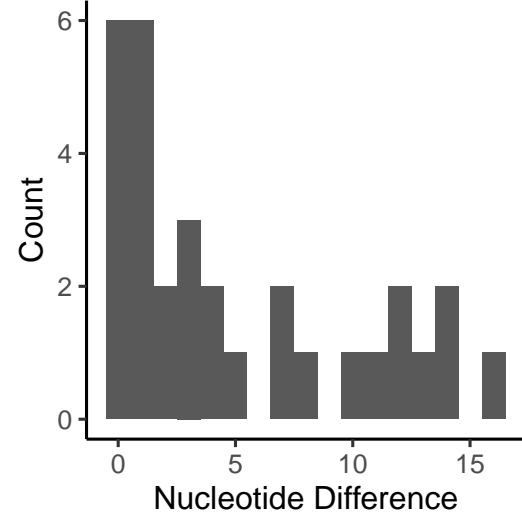
IGHV4–149*01_S1992

75 sequences assigned
14 (18.7%) exact matches, in which:
9 unique CDR3
1 unique J



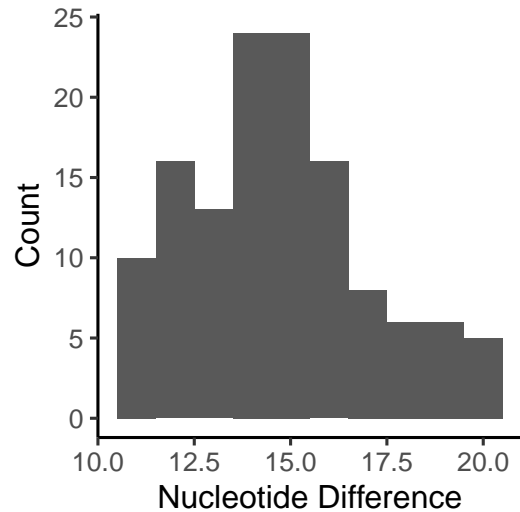
IGHV4–NL_1*01_S1134

31 sequences assigned
6 (19.4%) exact matches, in which:
5 unique CDR3
1 unique J



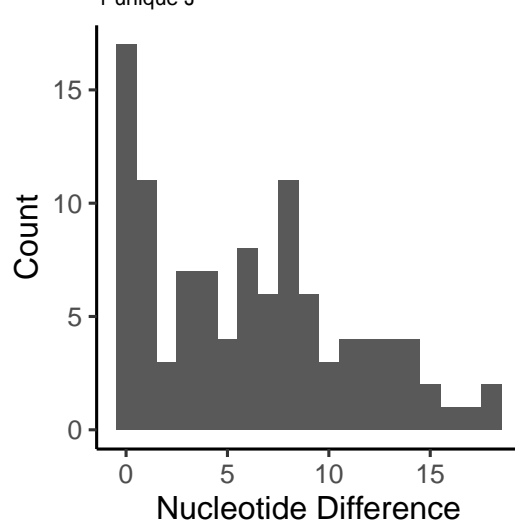
IGHV3–NL_9*01_S6098

171 sequences assigned
No exact matches.



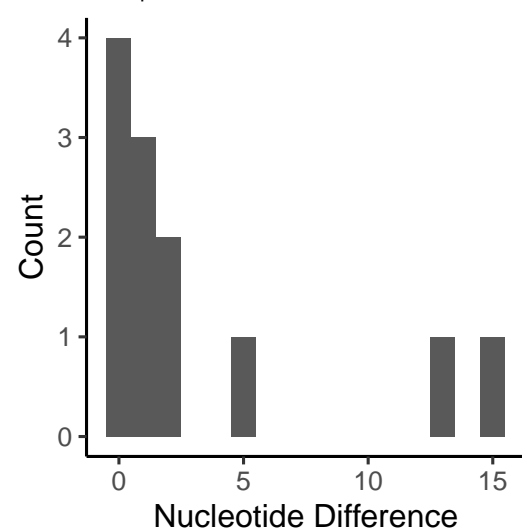
IGHV4–149*01_S5861

108 sequences assigned
17 (15.7%) exact matches, in which:
15 unique CDR3
1 unique J



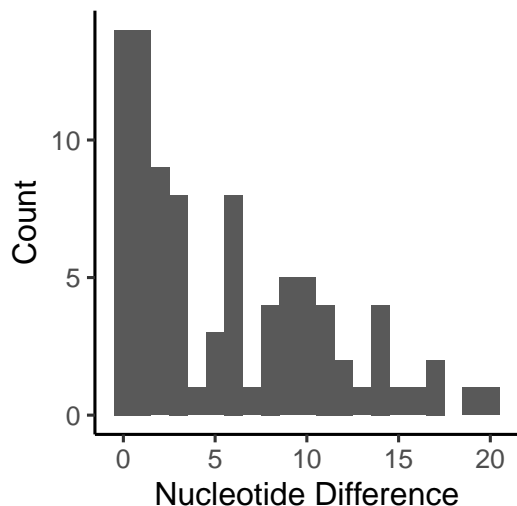
IGHV4–NL_1*01_S7297

12 sequences assigned
4 (33.3%) exact matches, in which:
4 unique CDR3
1 unique J



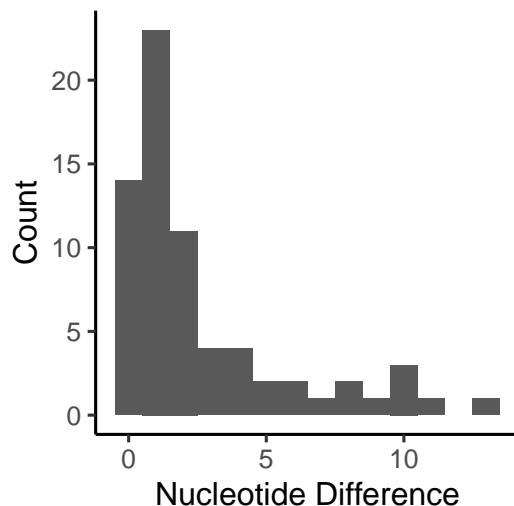
IGHV4–NL_1*01_S8720

91 sequences assigned
14 (15.4%) exact matches, in which:
12 unique CDR3
1 unique J



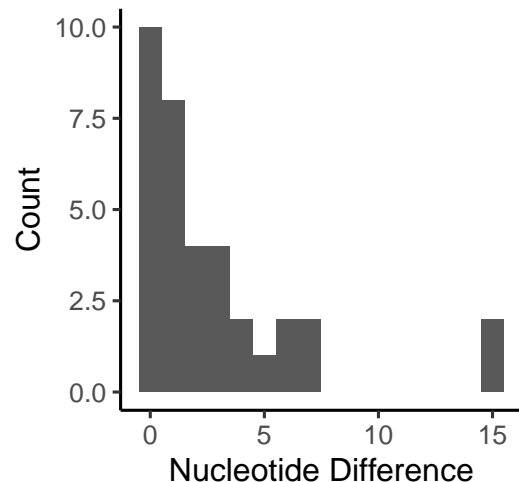
IGHV4–NL_17*01_S2142

73 sequences assigned
14 (19.2%) exact matches, in which:
14 unique CDR3
1 unique J



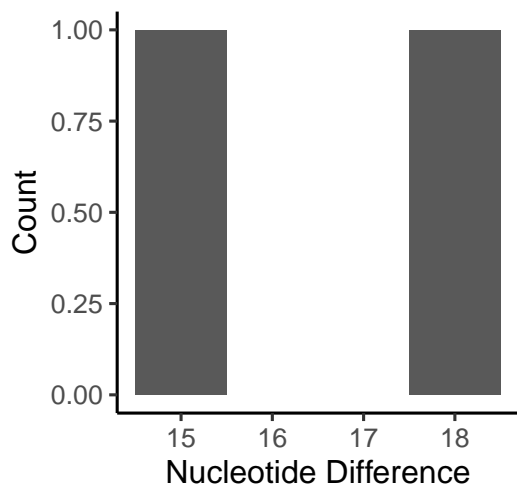
IGHV4–NL_21*01_S0138

35 sequences assigned
10 (28.6%) exact matches, in which:
9 unique CDR3
1 unique J



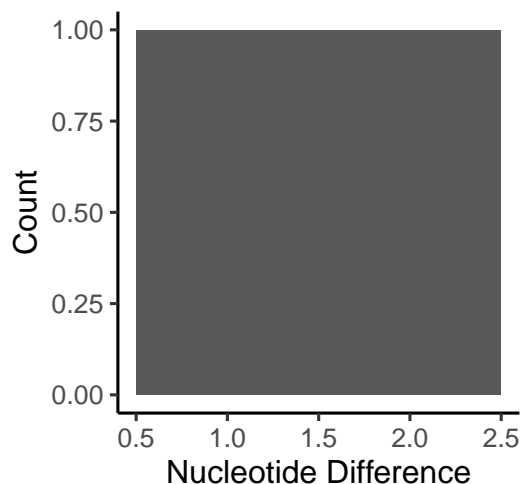
IGHV4–NL_11*01_S5570

2 sequences assigned
No exact matches.



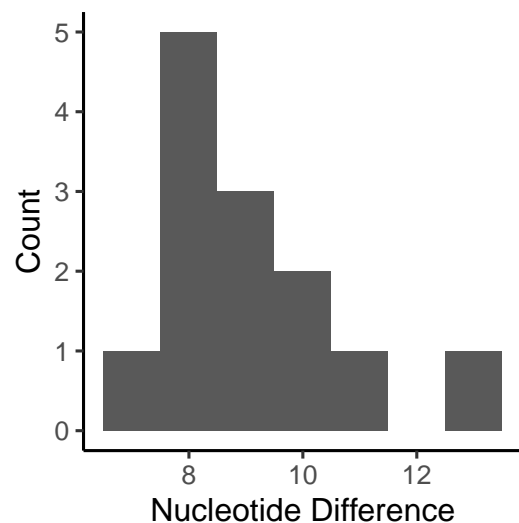
IGHV4–NL_19*01_S2667

2 sequences assigned
No exact matches.



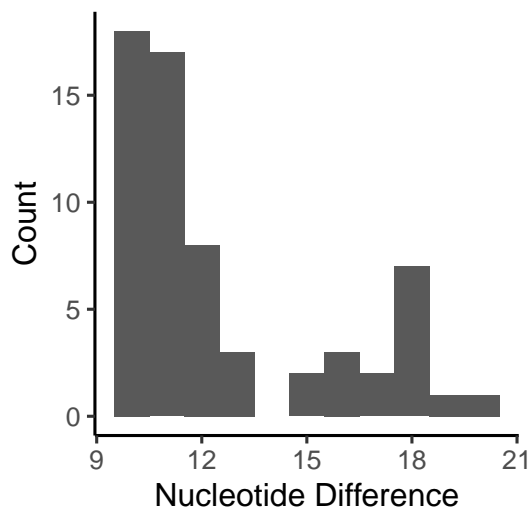
IGHV4–NL_21*01_S1118

13 sequences assigned
No exact matches.



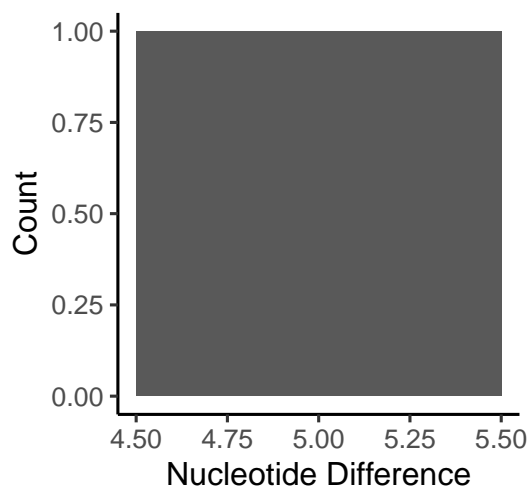
IGHV4–NL_13*01_S9744

83 sequences assigned
No exact matches.



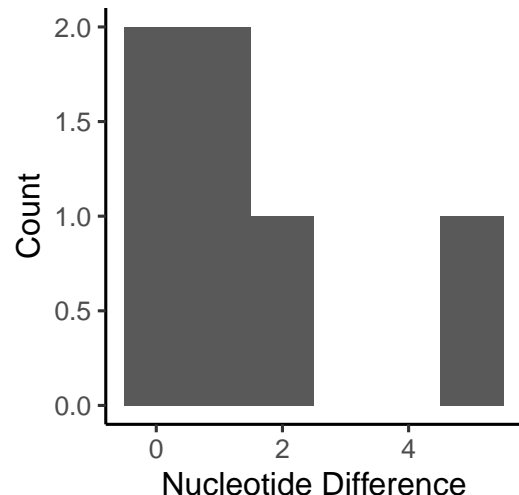
IGHV4–NL_20*01_S4754

1 sequences assigned
No exact matches.



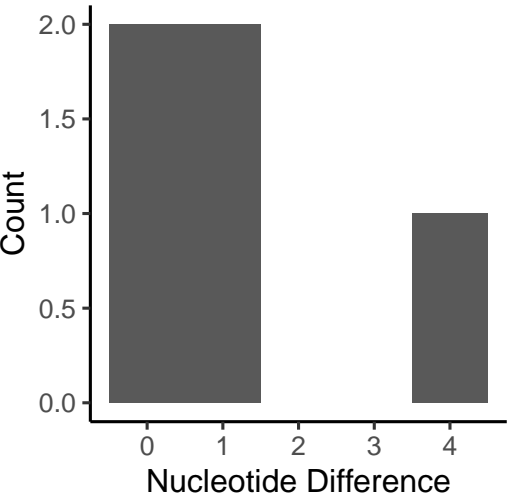
IGHV4–NL_21*01_S6308

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



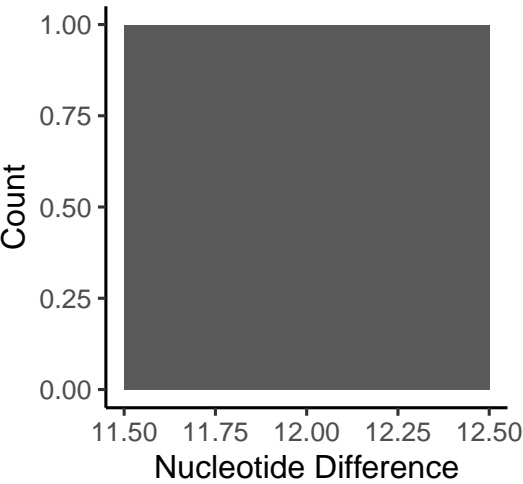
IGHV4-NL_24*01_S7468

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



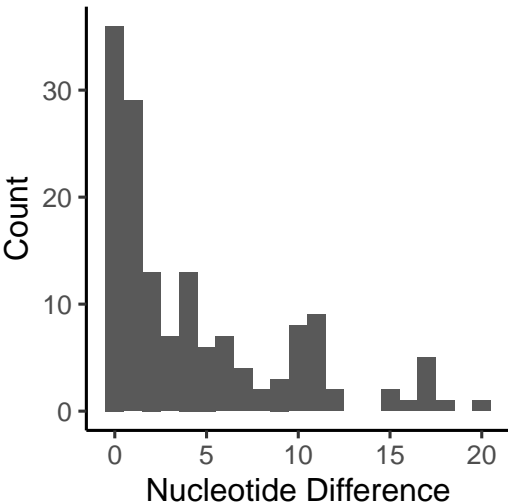
IGHV4-NL_32*01_S3033

1 sequences assigned
No exact matches.



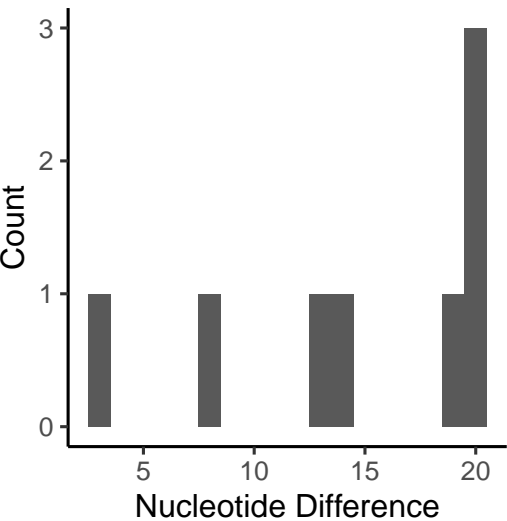
IGHV4-NL_36*01_S8200

159 sequences assigned
36 (22.6%) exact matches, in which:
25 unique CDR3
1 unique J



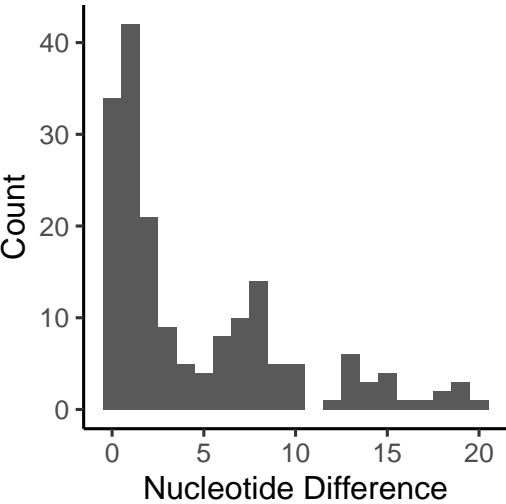
IGHV4-NL_25*01_S2780

9 sequences assigned
No exact matches.



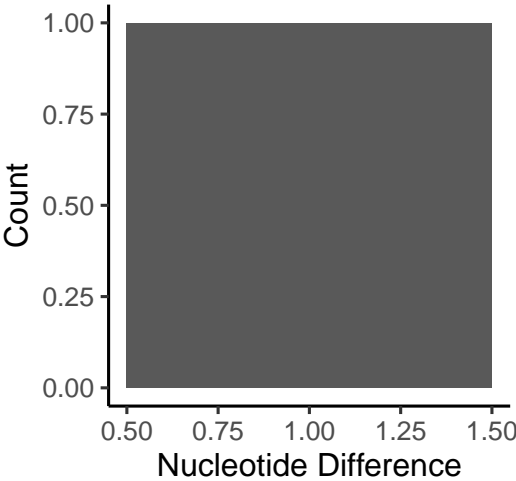
IGHV4-NL_33*01_S4377

203 sequences assigned
34 (16.7%) exact matches, in which:
23 unique CDR3
1 unique J



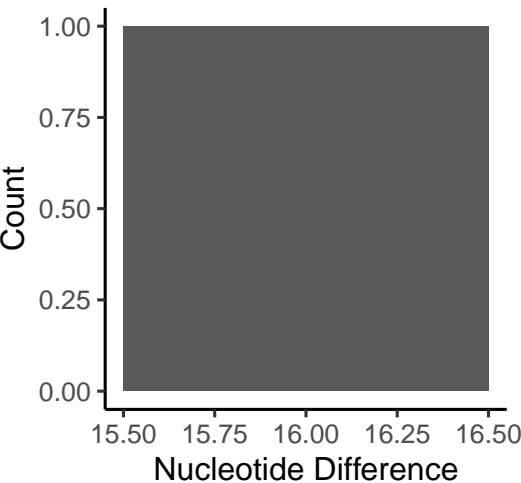
IGHV4-NL_38*01_S9244

1 sequences assigned
No exact matches.



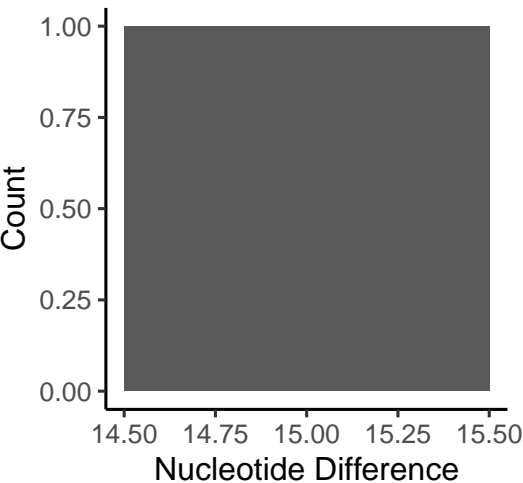
IGHV4-NL_29*01_S3763

1 sequences assigned
No exact matches.



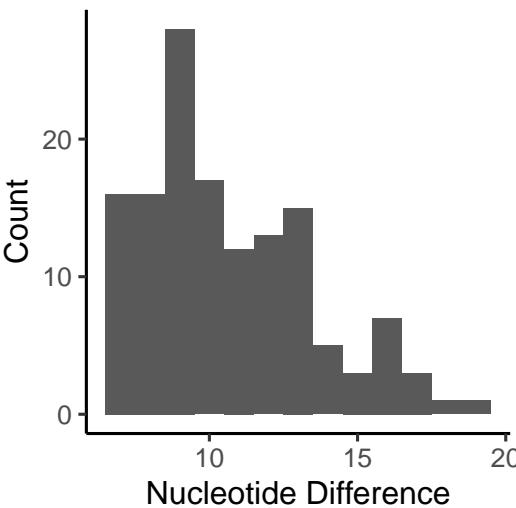
IGHV4-NL_34*01_S4745

2 sequences assigned
No exact matches.



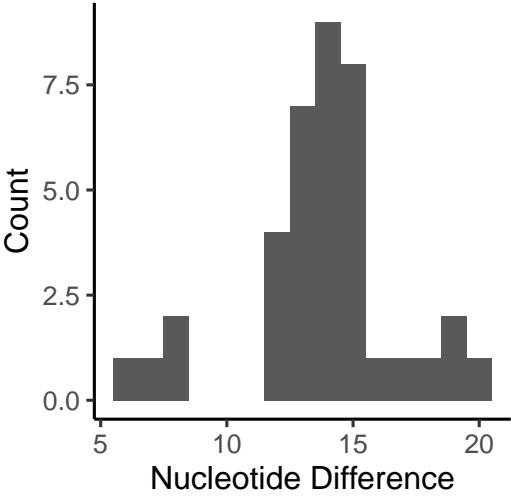
IGHV4-NL_4*01_S5211

156 sequences assigned
No exact matches.



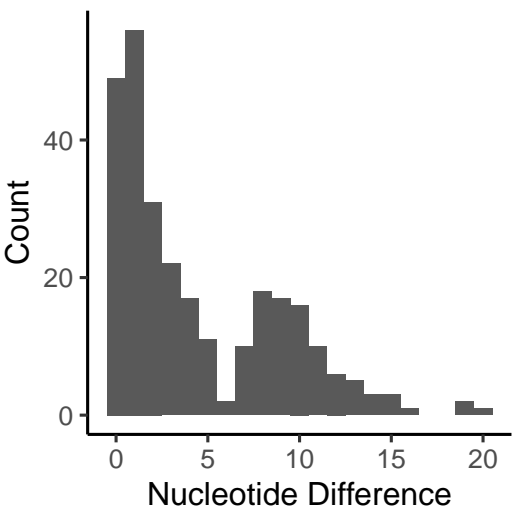
IGHV4–NL_43*01_S4510

70 sequences assigned
No exact matches.



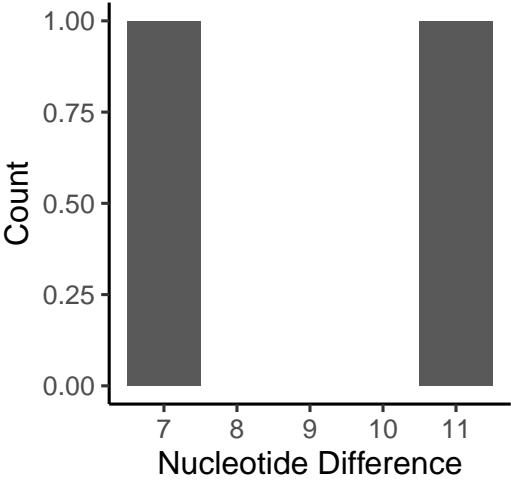
IGHV5–15*01_S4790

280 sequences assigned
49 (17.5%) exact matches, in which:
29 unique CDR3
1 unique J



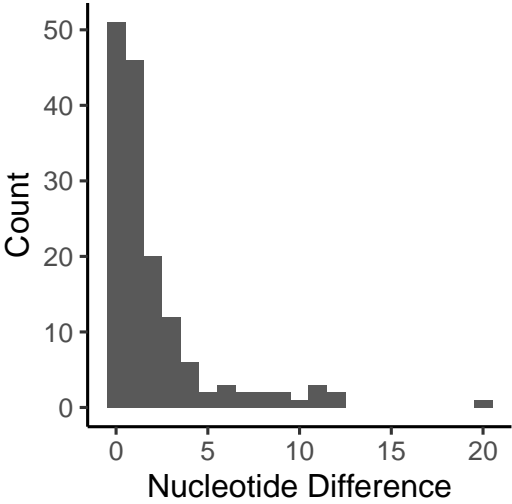
IGHV4–NL_5*01_S8078

3 sequences assigned
No exact matches.



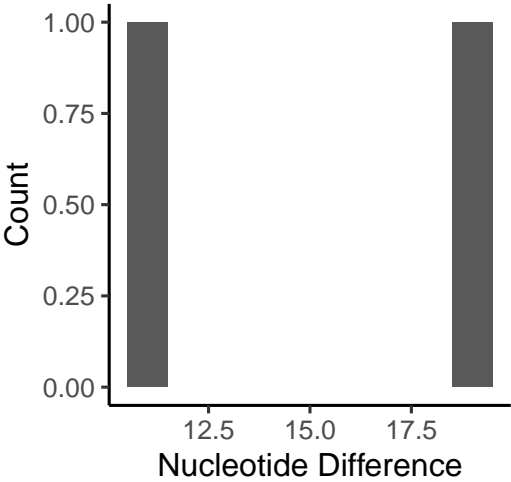
IGHV5–157*01_S8185

153 sequences assigned
51 (33.3%) exact matches, in which:
26 unique CDR3
1 unique J

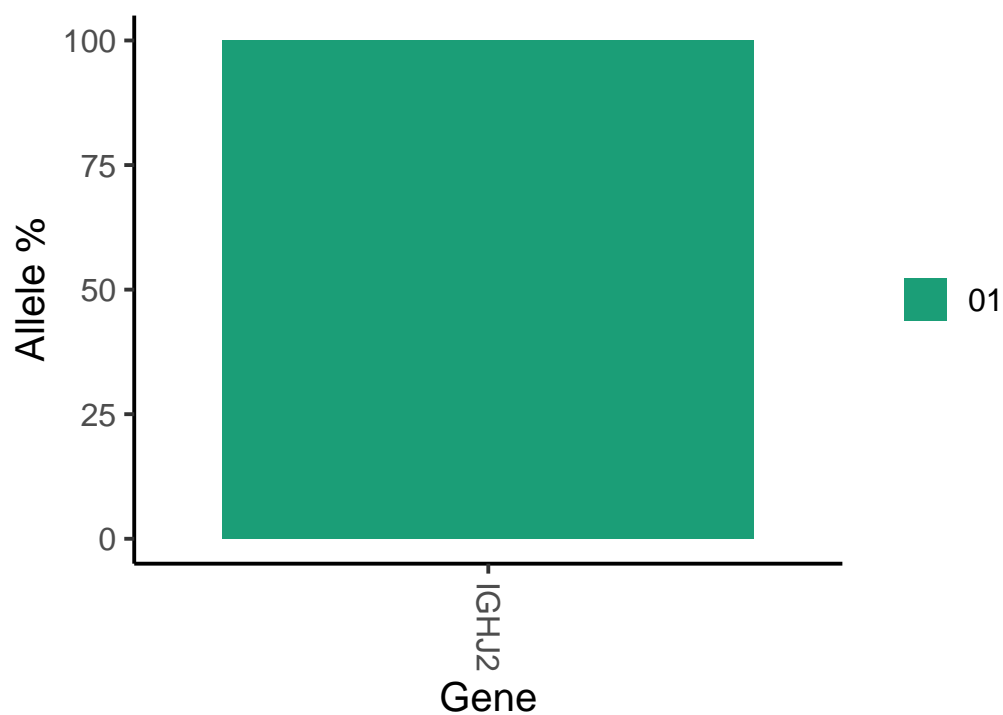


IGHV4–NL_5*01_S8645

2 sequences assigned
No exact matches.



Allele Usage



Warning – no inferred sequences found.