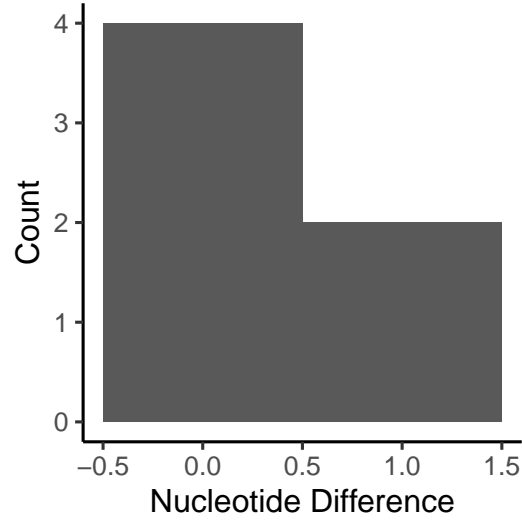


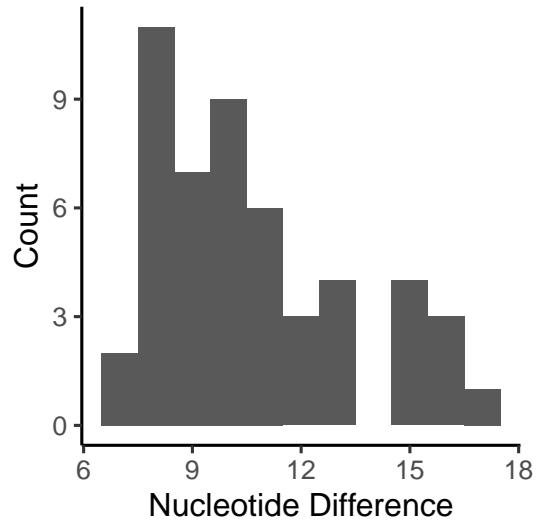
IGHV1-124*01_S6748

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
1 unique J



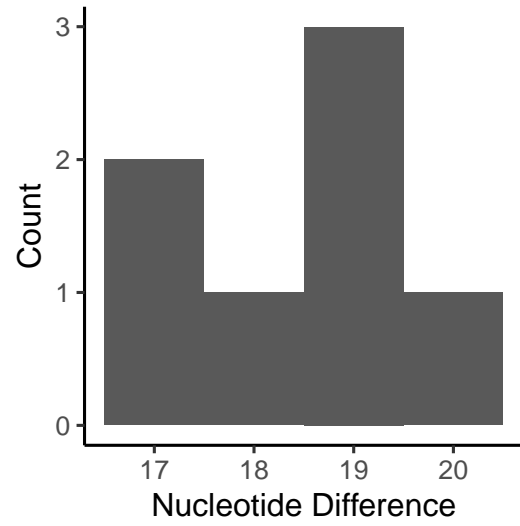
IGHV2-NL_1*01_S2133

52 sequences assigned
No exact matches.



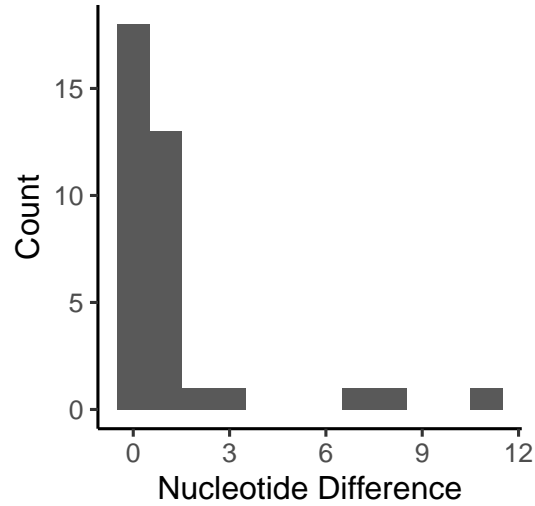
IGHV2-NL_1*01_S9725

11 sequences assigned
No exact matches.



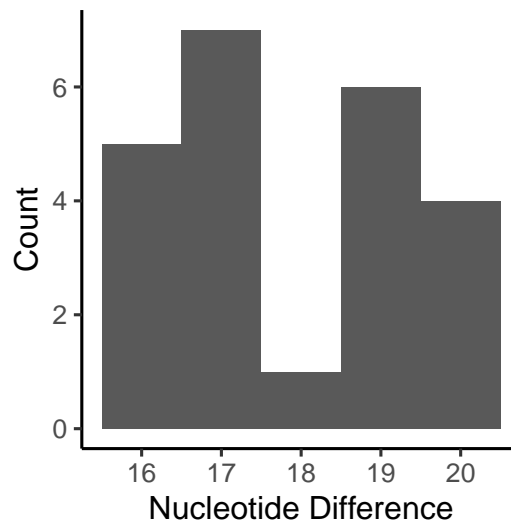
IGHV1-138*01_S2054

36 sequences assigned
18 (50%) exact matches, in which:
15 unique CDR3
1 unique J



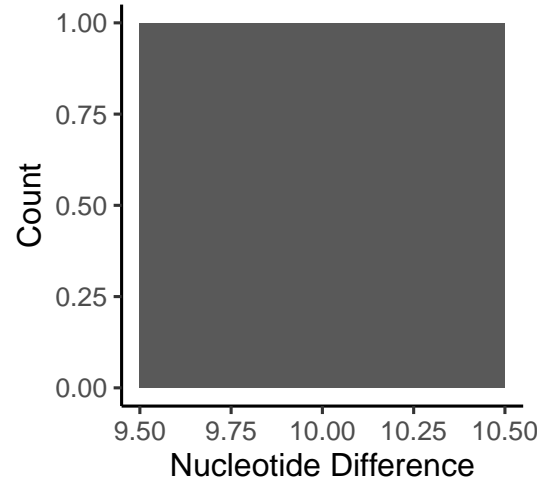
IGHV2-NL_1*01_S4514

38 sequences assigned
No exact matches.



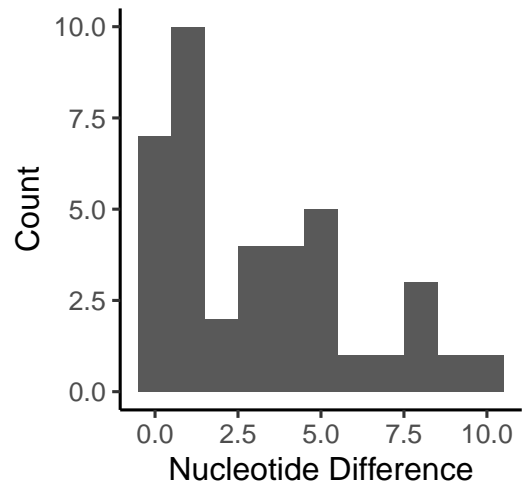
IGHV3-28*01_S3792

3 sequences assigned
No exact matches.



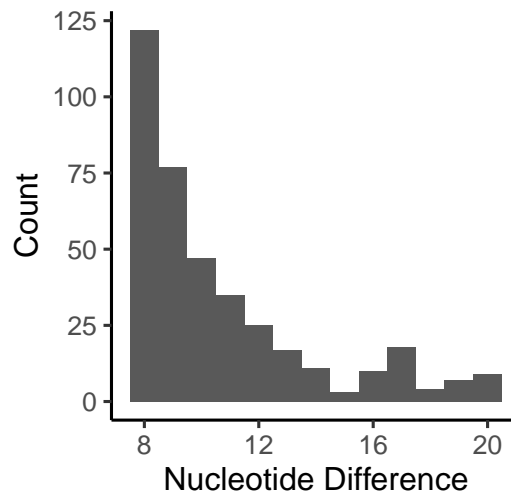
IGHV2-7*02_S1732

39 sequences assigned
7 (17.9%) exact matches, in which:
5 unique CDR3
1 unique J



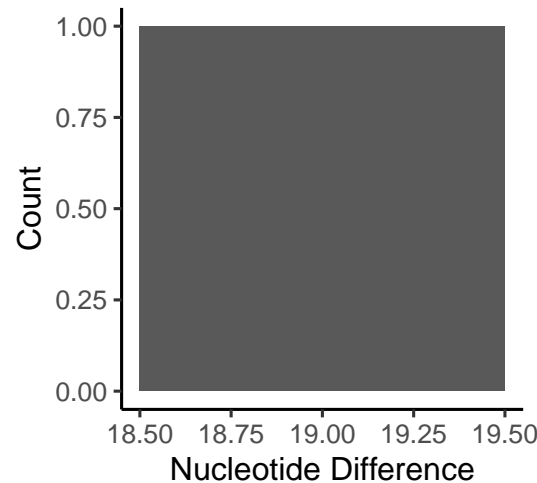
IGHV2-NL_1*01_S5431

408 sequences assigned
No exact matches.



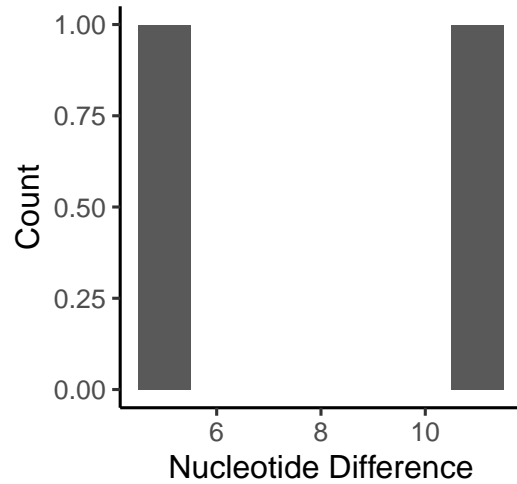
IGHV3-36*01

2 sequences assigned
No exact matches.



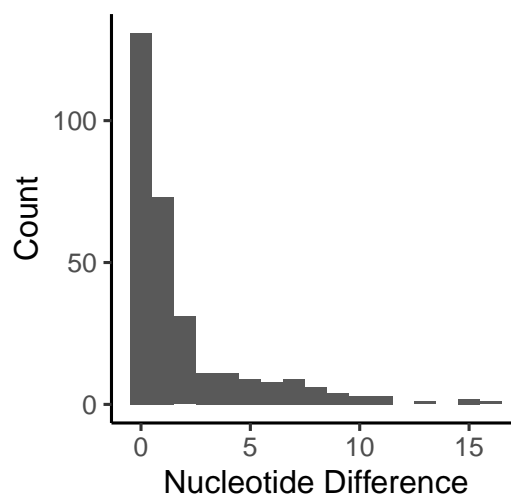
IGHV3-37*01_S6630

3 sequences assigned
No exact matches.



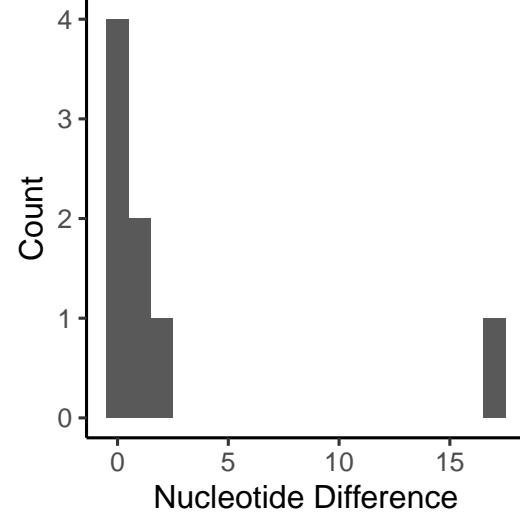
IGHV3-94*01_S4458

306 sequences assigned
131 (42.8%) exact matches, in which:
98 unique CDR3
1 unique J



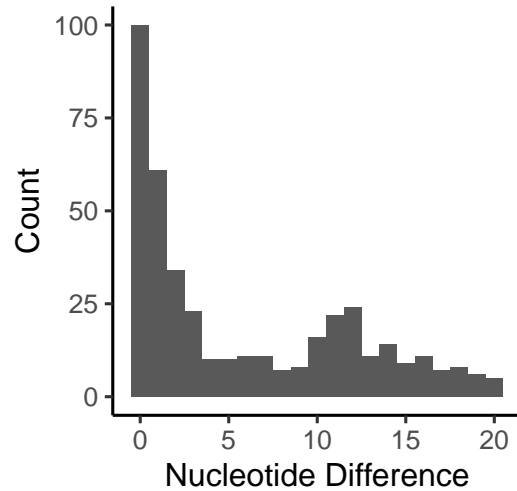
IGHV3-177*01_S1591

8 sequences assigned
4 (50%) exact matches, in which:
3 unique CDR3
1 unique J



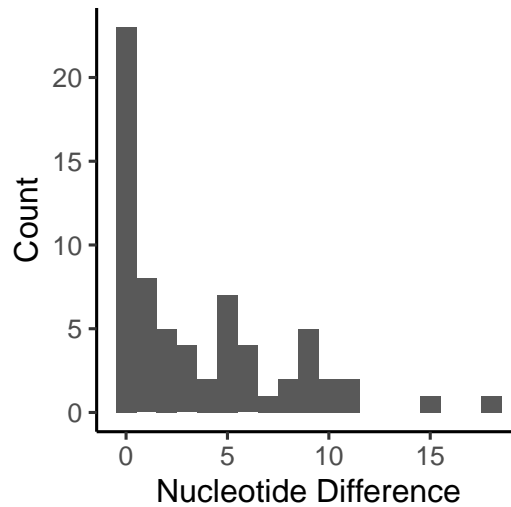
IGHV3-50*01_S1879

422 sequences assigned
100 (23.7%) exact matches, in which:
68 unique CDR3
1 unique J



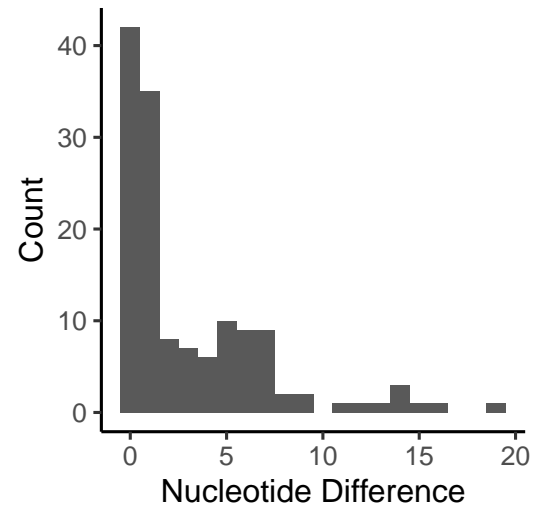
IGHV3-122*01_S8388

68 sequences assigned
23 (33.8%) exact matches, in which:
15 unique CDR3
1 unique J



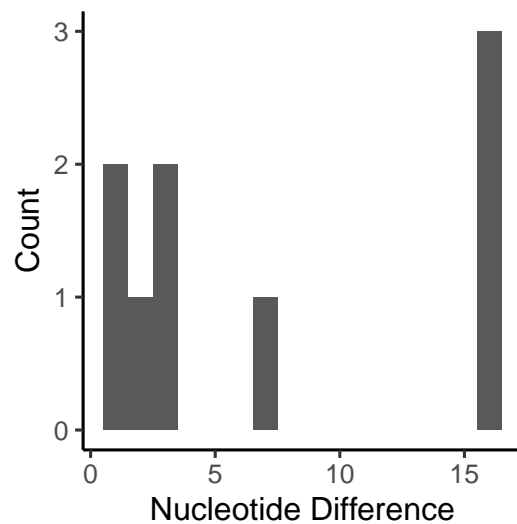
IGHV3-187*01_S1133

139 sequences assigned
42 (30.2%) exact matches, in which:
31 unique CDR3
1 unique J



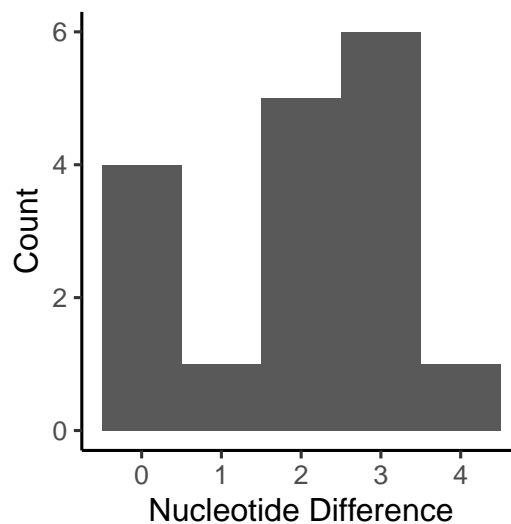
IGHV3-53*01_S3647

14 sequences assigned
No exact matches.



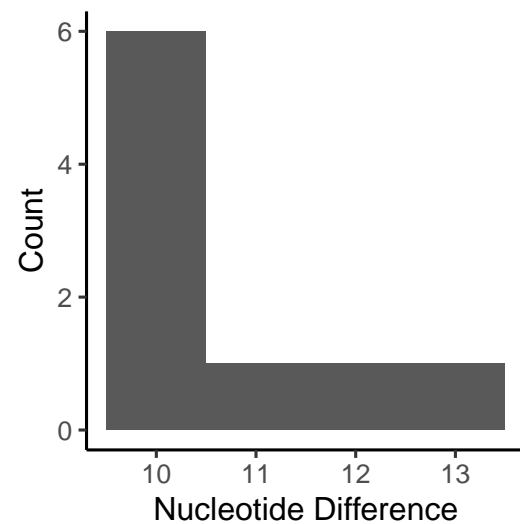
IGHV3-127*01_S3553

17 sequences assigned
4 (23.5%) exact matches, in which:
3 unique CDR3
1 unique J



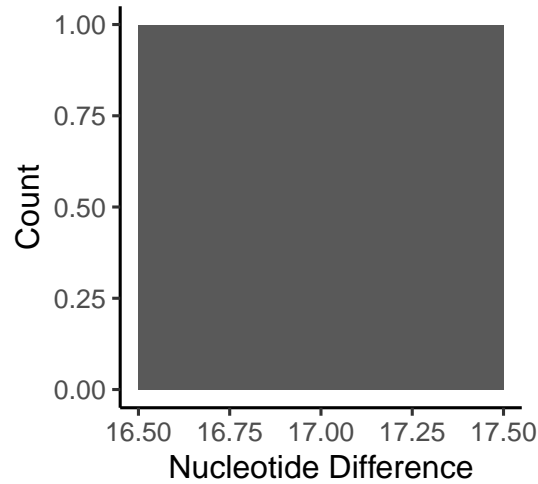
IGHV3-NL_1*01_S4331

20 sequences assigned
No exact matches.



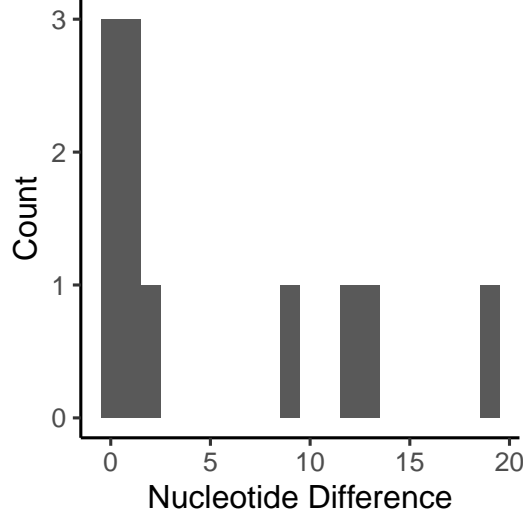
IGHV3–NL_1*01_S9422

6 sequences assigned
No exact matches.



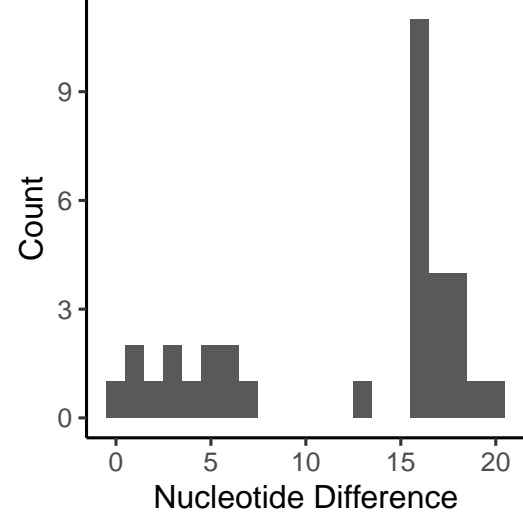
IGHV3–NL_17*01_S0507

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



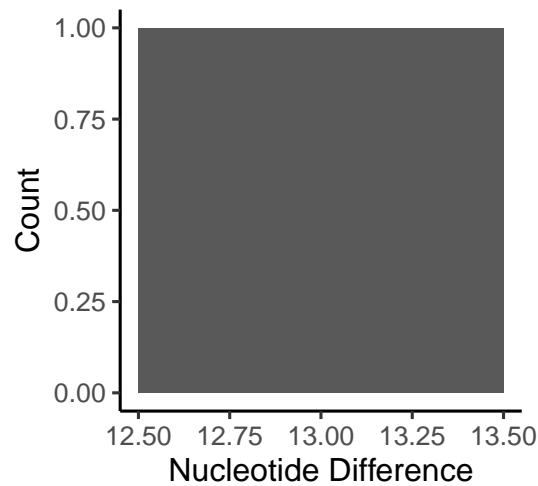
IGHV4–149*02_S6878

39 sequences assigned
1 (2.6%) exact matches, in which:
1 unique CDR3
1 unique J



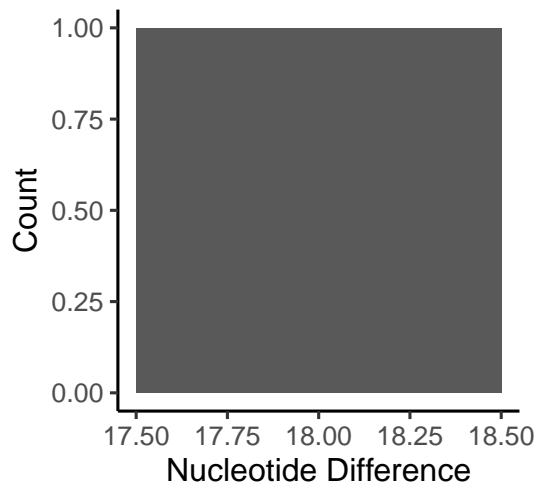
IGHV3–NL_11*01_S6390

18 sequences assigned
No exact matches.



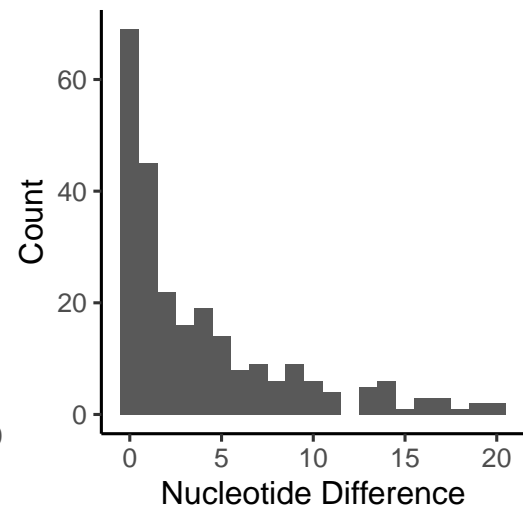
IGHV3–NL_5*01_S8361

81 sequences assigned
No exact matches.



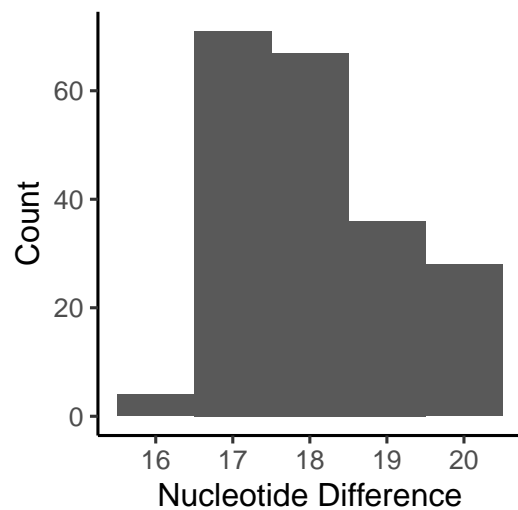
IGHV4–NL_1*01_S7297

252 sequences assigned
69 (27.4%) exact matches, in which:
64 unique CDR3
1 unique J



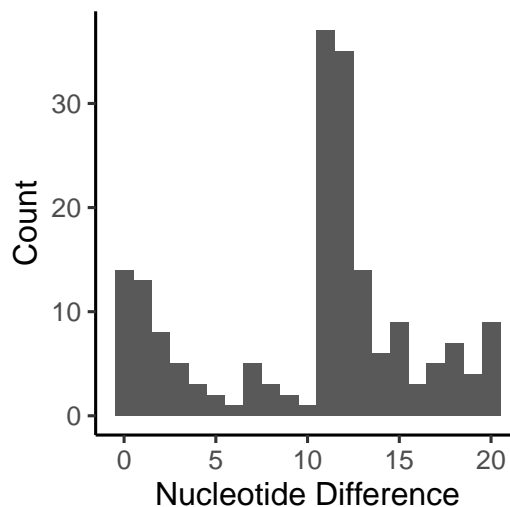
IGHV3–NL_12*02_S6994

496 sequences assigned
No exact matches.



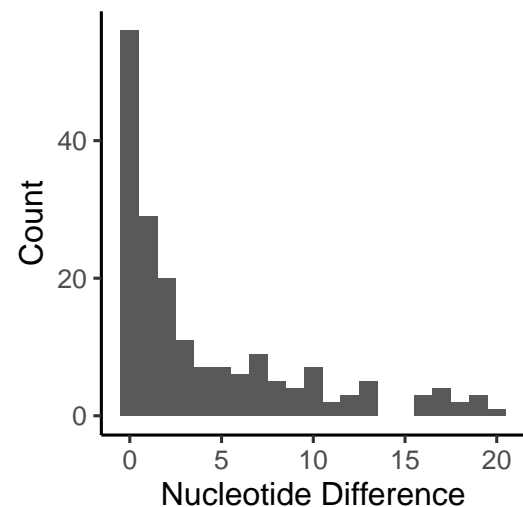
IGHV3–NL_9*01_S6098

252 sequences assigned
14 (5.6%) exact matches, in which:
10 unique CDR3
1 unique J



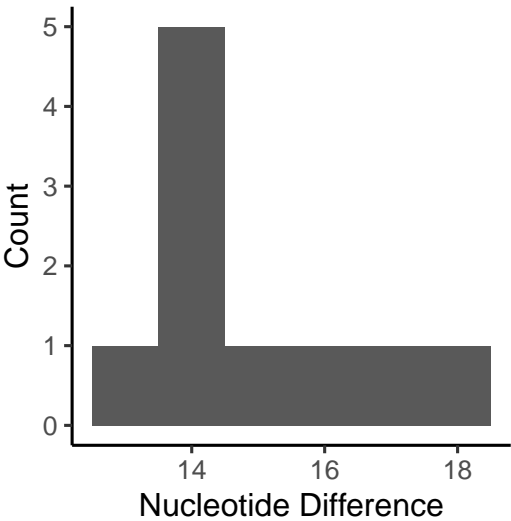
IGHV4–NL_1*01_S8720

192 sequences assigned
56 (29.2%) exact matches, in which:
51 unique CDR3
1 unique J



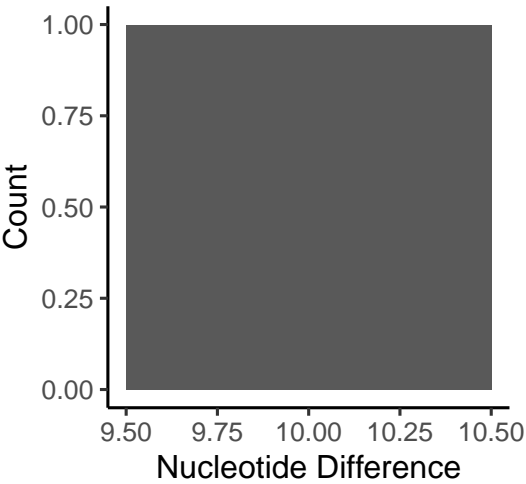
IGHV4–NL_11*01_S9942

12 sequences assigned
No exact matches.



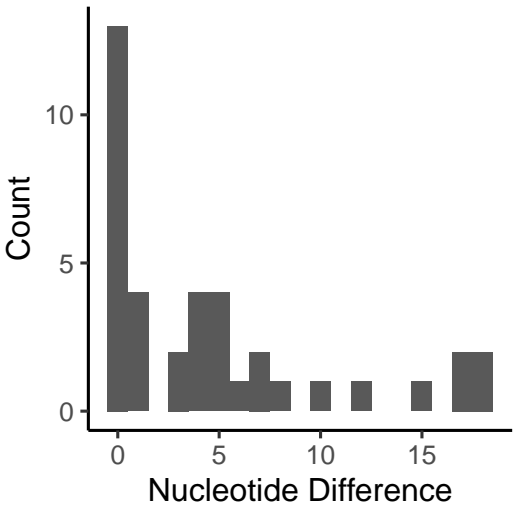
IGHV4–NL_13*01_S9624

2 sequences assigned
No exact matches.



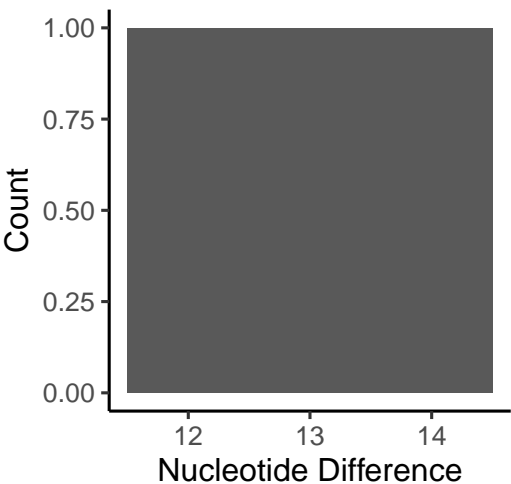
IGHV4–NL_16*01_S2324

39 sequences assigned
13 (33.3%) exact matches, in which:
12 unique CDR3
1 unique J



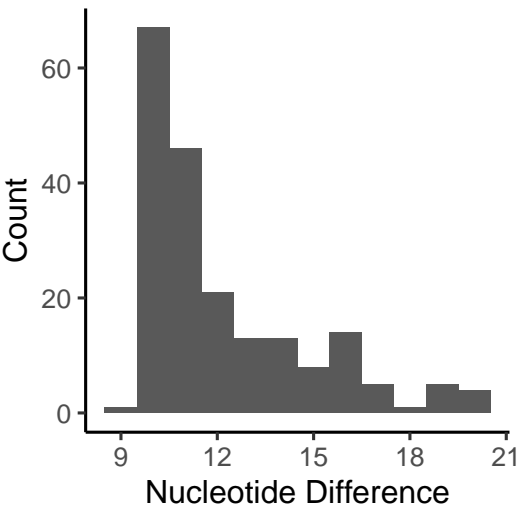
IGHV4–NL_12*01_S5174

33 sequences assigned
No exact matches.



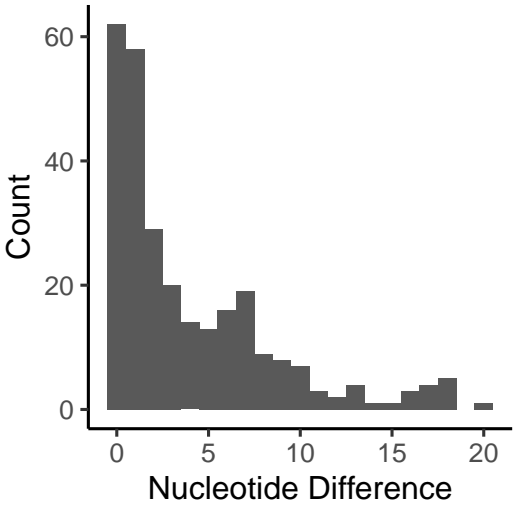
IGHV4–NL_13*01_S9744

220 sequences assigned
No exact matches.



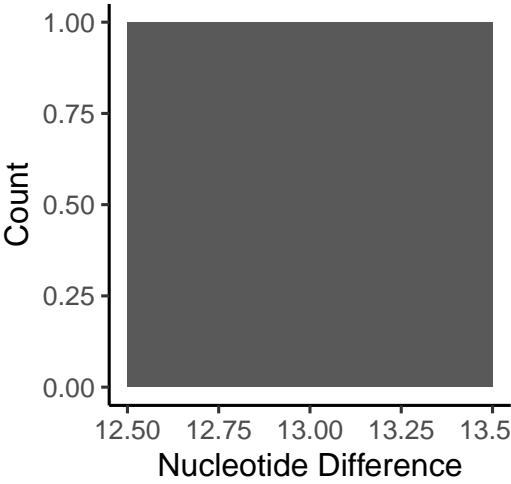
IGHV4–NL_17*01_S4099

279 sequences assigned
62 (22.2%) exact matches, in which:
52 unique CDR3
1 unique J



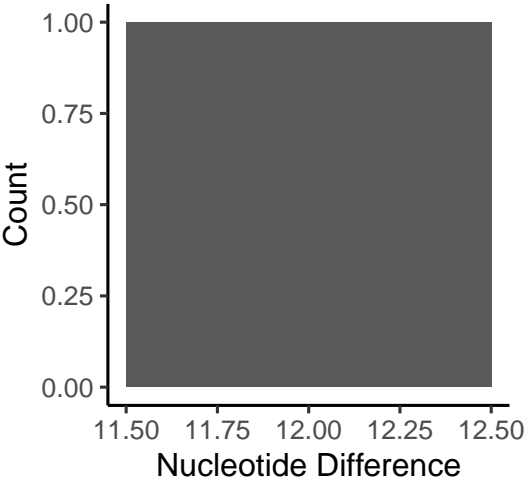
IGHV4–NL_12*01_S8068

1 sequences assigned
No exact matches.



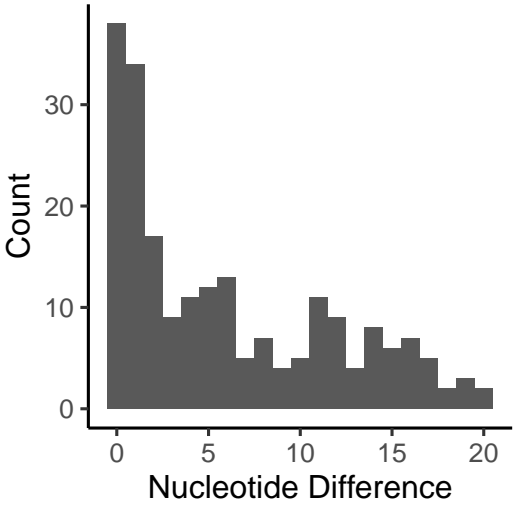
IGHV4–NL_15*01_S5717

2 sequences assigned
No exact matches.



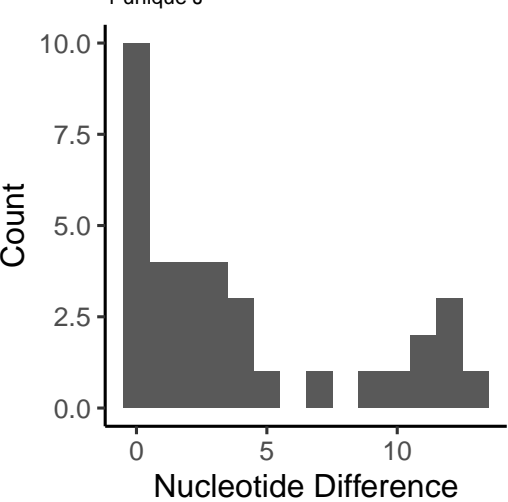
IGHV4–NL_21*01_S0138

223 sequences assigned
38 (17%) exact matches, in which:
36 unique CDR3
1 unique J



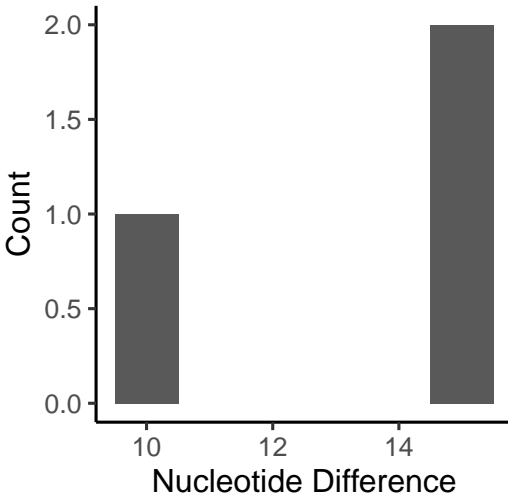
IGHV4-NL_23*01_S1296

40 sequences assigned
10 (25%) exact matches, in which:
9 unique CDR3
1 unique J



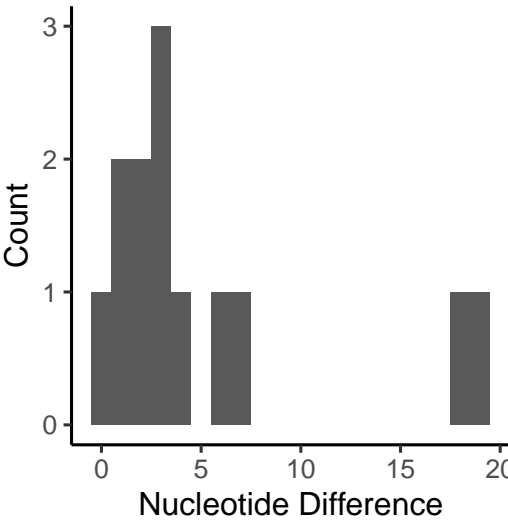
IGHV4-NL_32*01_S3033

3 sequences assigned
No exact matches.



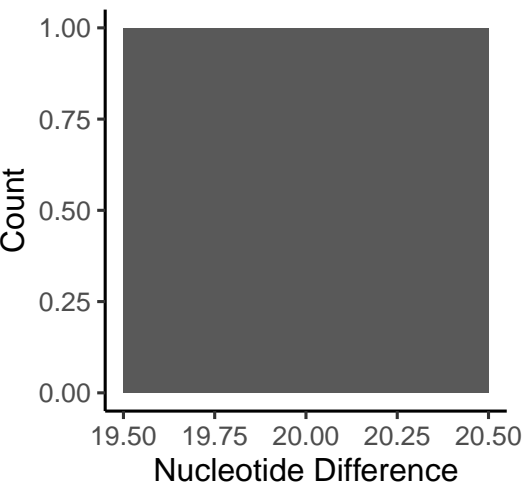
IGHV4-NL_38*01_S8437

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



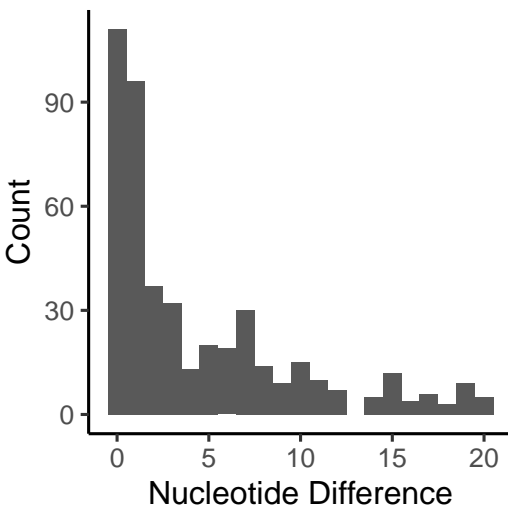
IGHV4-NL_29*01_S5315

3 sequences assigned
No exact matches.



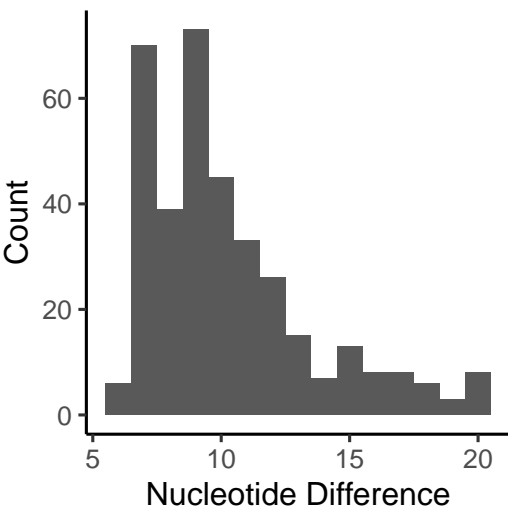
IGHV4-NL_33*01_S4377

526 sequences assigned
111 (21.1%) exact matches, in which:
84 unique CDR3
1 unique J



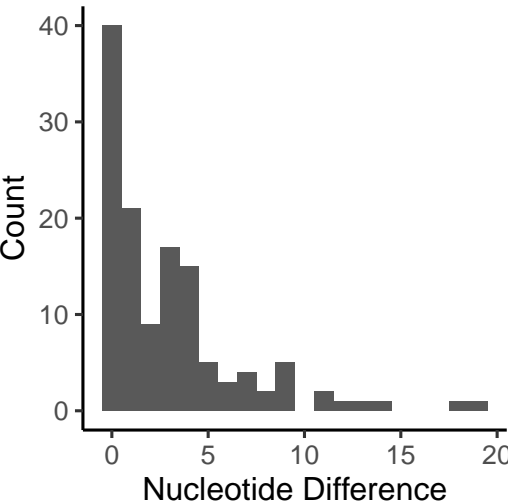
IGHV4-NL_4*01_S5211

416 sequences assigned
No exact matches.



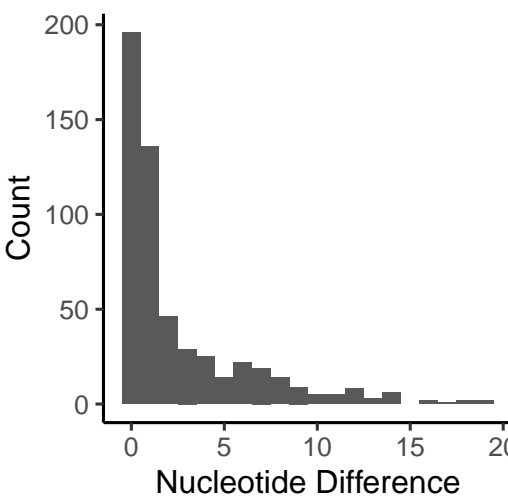
IGHV4-NL_31*01_S7693

131 sequences assigned
40 (30.5%) exact matches, in which:
34 unique CDR3
1 unique J



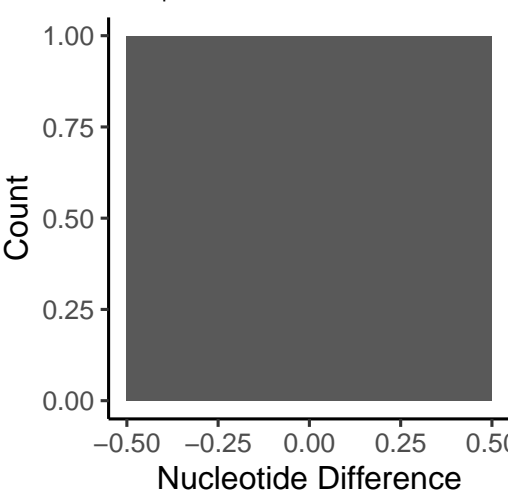
IGHV4-NL_36*01_S8200

565 sequences assigned
196 (34.7%) exact matches, in which:
176 unique CDR3
1 unique J



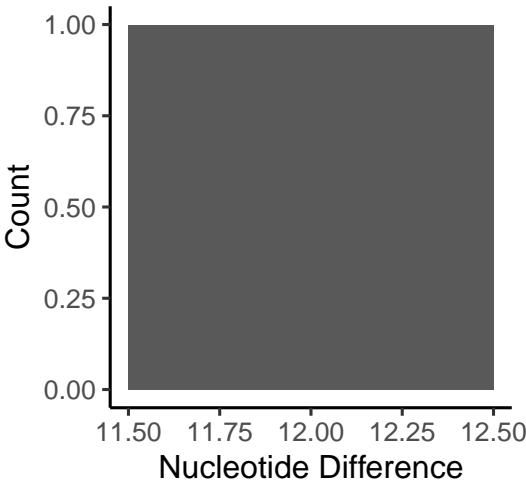
IGHV4-NL_40*01_S6922

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



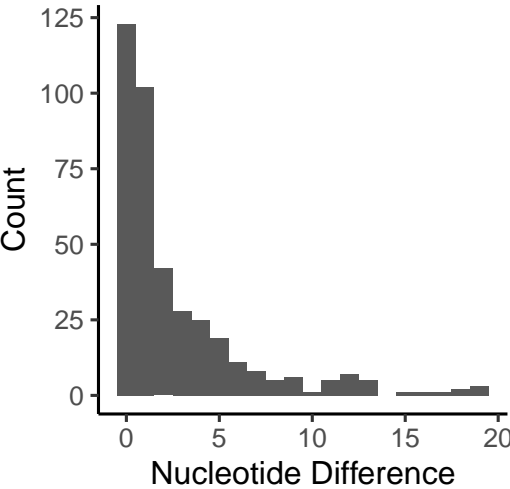
IGHV4–NL_43*01_S4510

1 sequences assigned
No exact matches.



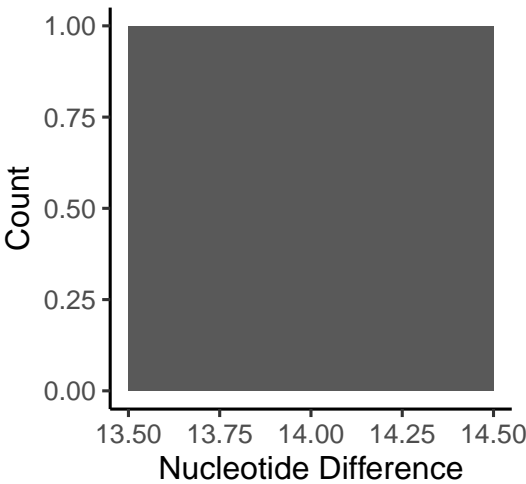
IGHV5–15*01_S0203

399 sequences assigned
123 (30.8%) exact matches, in which:
81 unique CDR3
1 unique J



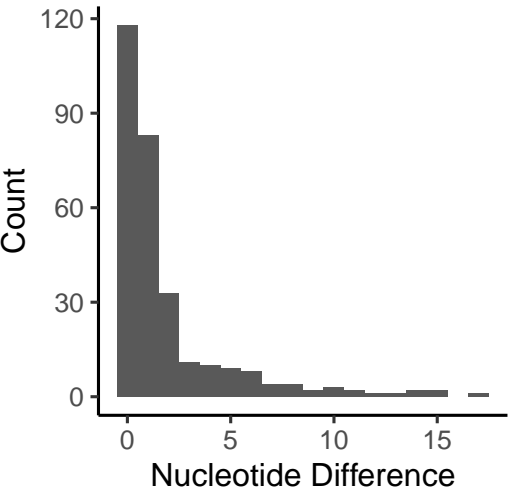
IGHV4–NL_5*01_S5308

1 sequences assigned
No exact matches.



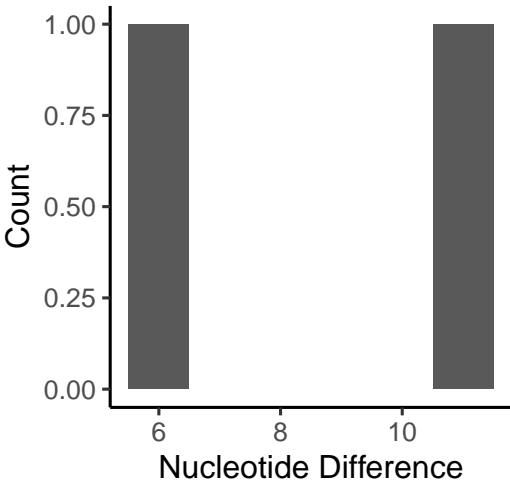
IGHV5–157*01_S3631

296 sequences assigned
118 (39.9%) exact matches, in which:
67 unique CDR3
1 unique J

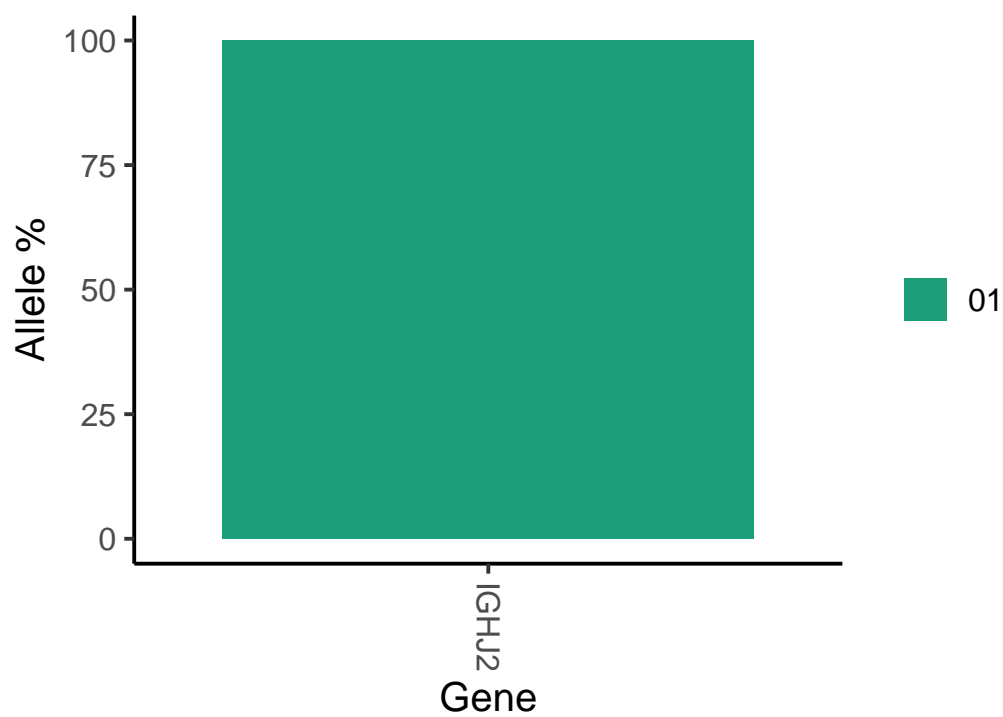


IGHV4–NL_9*01_S4567

20 sequences assigned
No exact matches.



Allele Usage



Warning – no inferred sequences found.