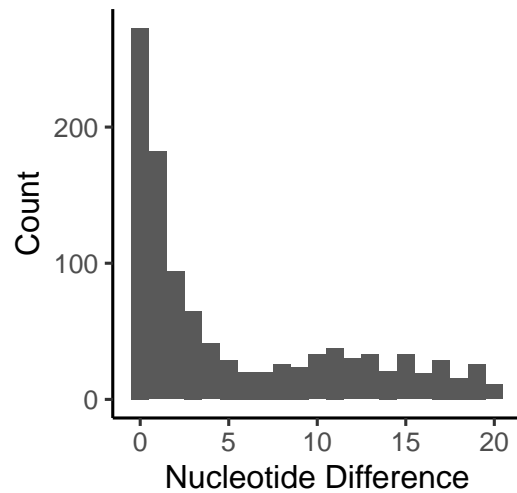


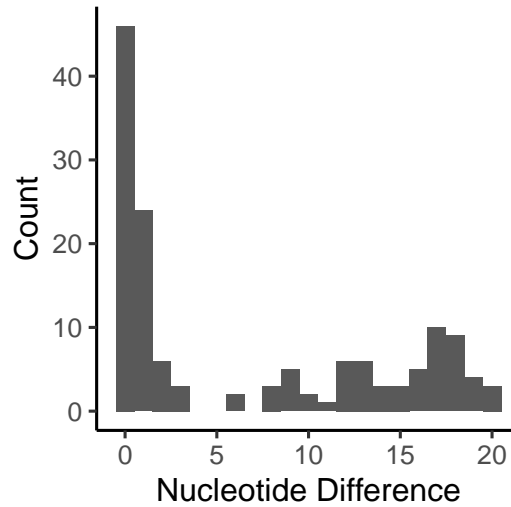
IGHV1-60*01_S7772

1114 sequences assigned
273 (24.5%) exact matches, in which:
201 unique CDR3
9 unique J



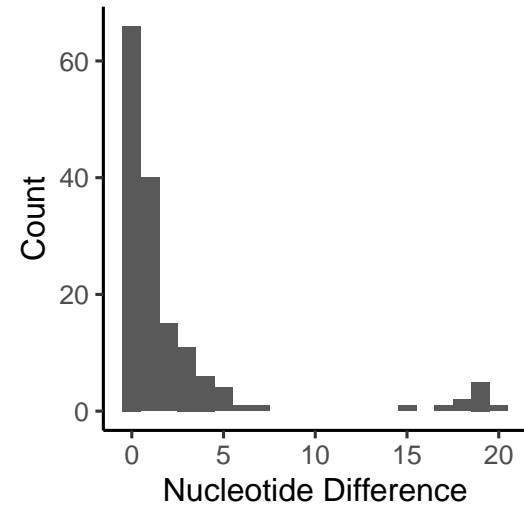
IGHV1-124*01_S6748

161 sequences assigned
46 (28.6%) exact matches, in which:
29 unique CDR3
4 unique J



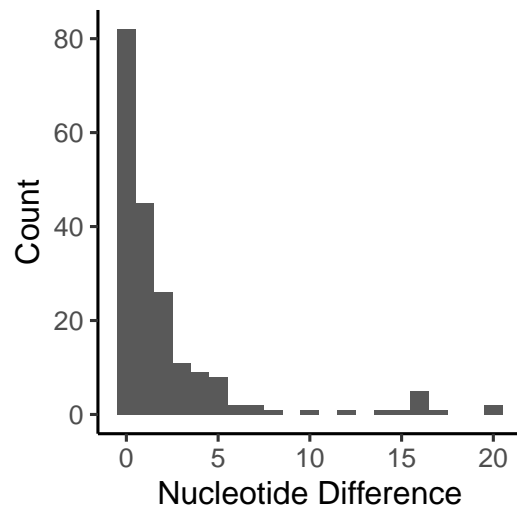
IGHV1-138*02_S9625

156 sequences assigned
66 (42.3%) exact matches, in which:
53 unique CDR3
6 unique J



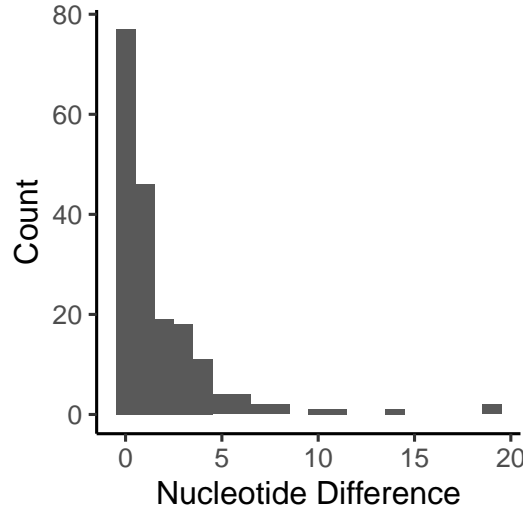
IGHV1-84*01_S2078

215 sequences assigned
82 (38.1%) exact matches, in which:
51 unique CDR3
6 unique J



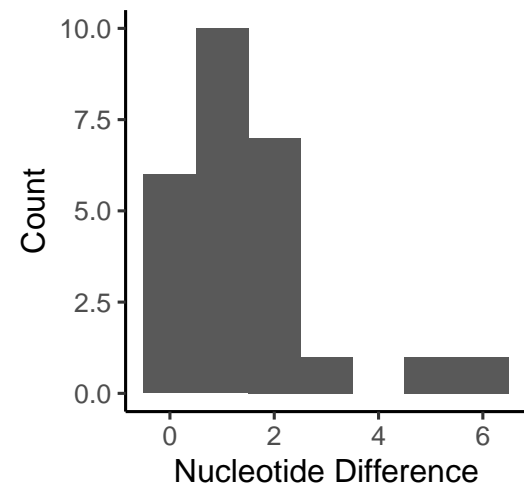
IGHV1-138*01_S2054

188 sequences assigned
77 (41%) exact matches, in which:
60 unique CDR3
6 unique J



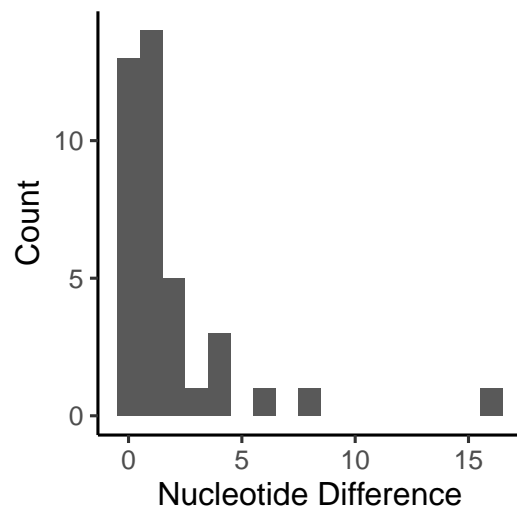
IGHV1-170*01_S3055

26 sequences assigned
6 (23.1%) exact matches, in which:
5 unique CDR3
2 unique J



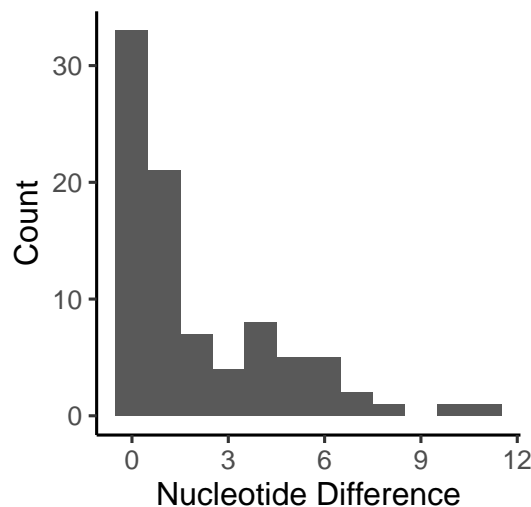
IGHV1-84*01_S4048

40 sequences assigned
13 (32.5%) exact matches, in which:
7 unique CDR3
4 unique J



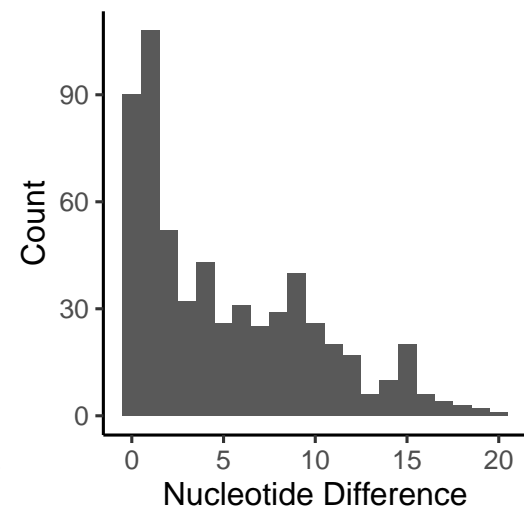
IGHV1-138*01_S6073

89 sequences assigned
33 (37.1%) exact matches, in which:
32 unique CDR3
5 unique J



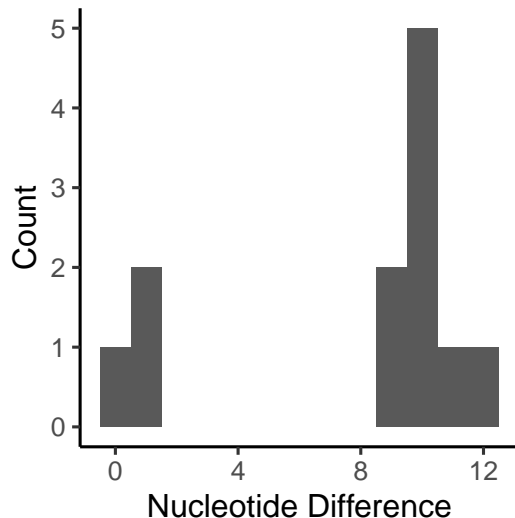
IGHV1-NL_1*01_S5433

599 sequences assigned
90 (15%) exact matches, in which:
61 unique CDR3
7 unique J



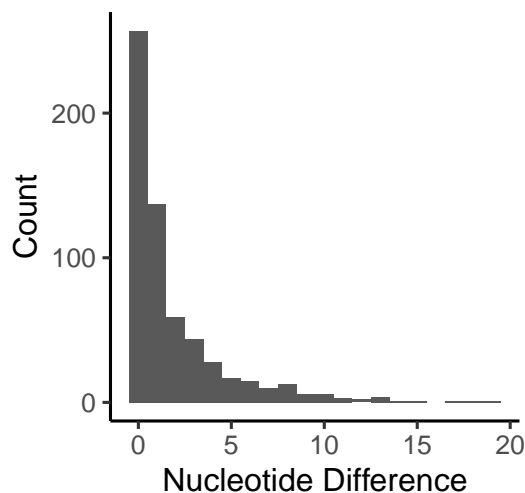
IGHV1–NL_2*01_S2245

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



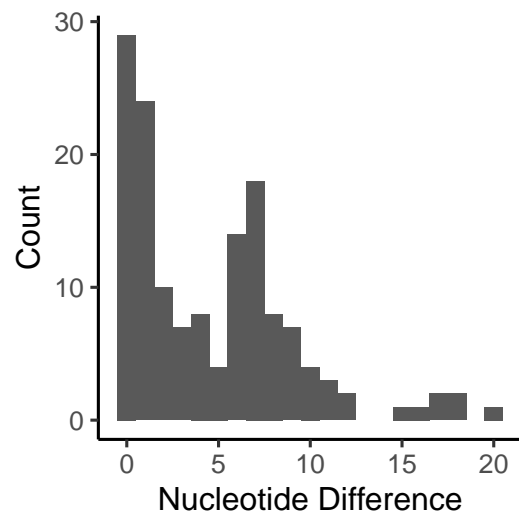
IGHV2–7*02_S3534_G29

611 sequences assigned
257 (42.1%) exact matches, in which:
226 unique CDR3
8 unique J



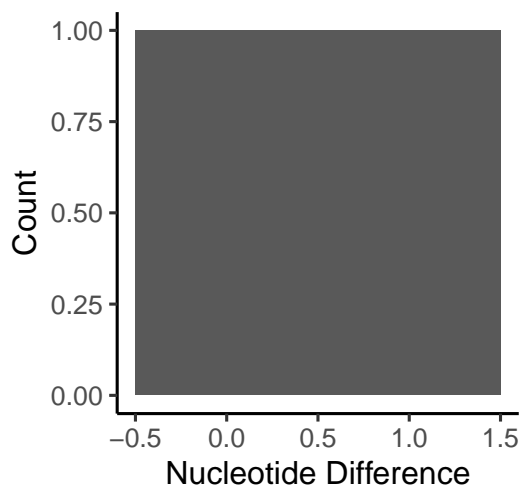
IGHV2–118*01_S1355

146 sequences assigned
29 (19.9%) exact matches, in which:
24 unique CDR3
3 unique J



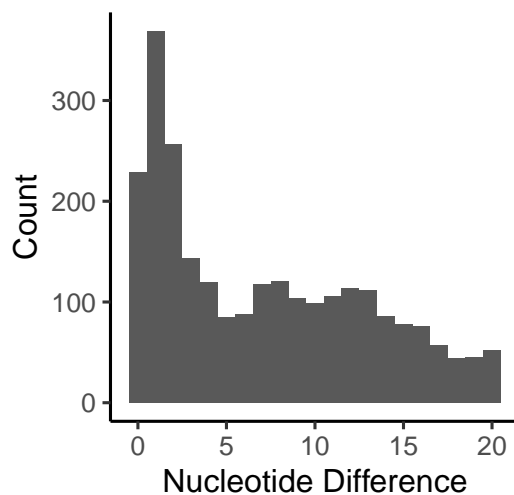
IGHV1–NL_2*01_S9602

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



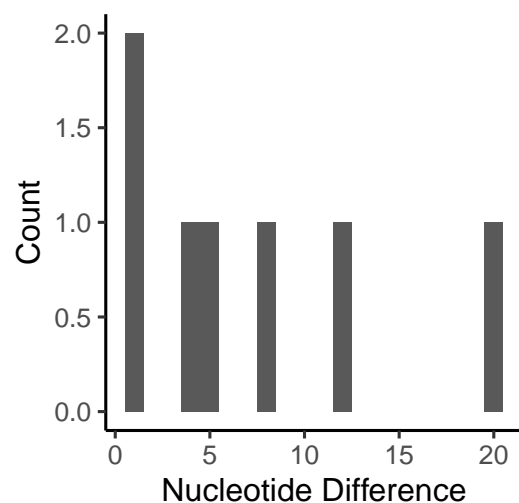
IGHV2–69*01_S0230

2741 sequences assigned
229 (8.4%) exact matches, in which:
153 unique CDR3
6 unique J



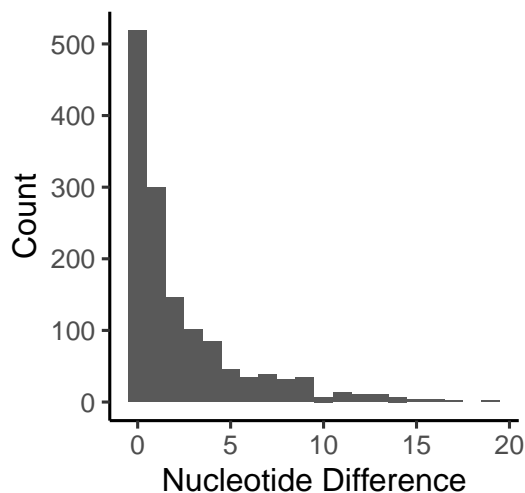
IGHV2–173*01_S2781

7 sequences assigned
No exact matches.



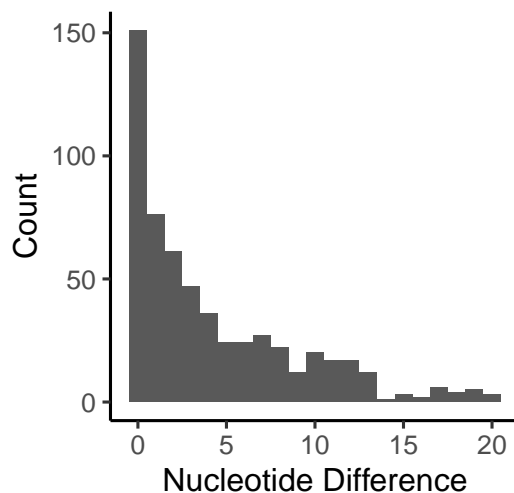
IGHV2–7*02_S3534

1396 sequences assigned
519 (37.2%) exact matches, in which:
365 unique CDR3
7 unique J



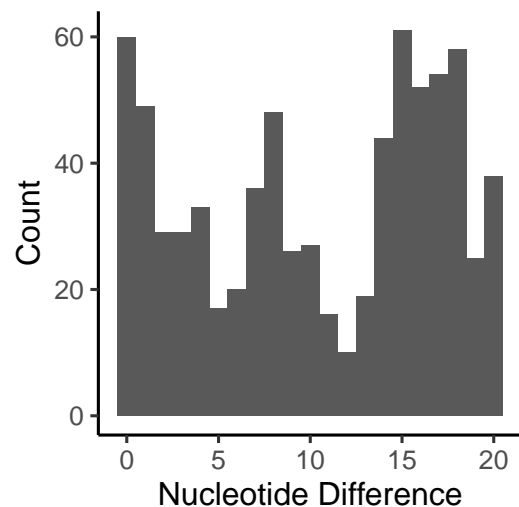
IGHV2–69*01_S2648

599 sequences assigned
151 (25.2%) exact matches, in which:
106 unique CDR3
8 unique J



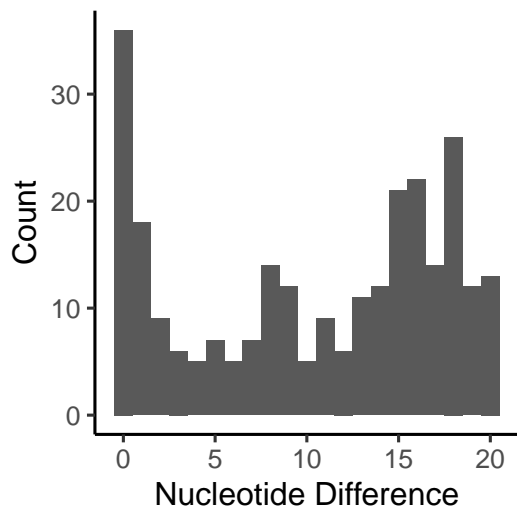
IGHV2–NL_1*01_S4605

811 sequences assigned
60 (7.4%) exact matches, in which:
48 unique CDR3
7 unique J



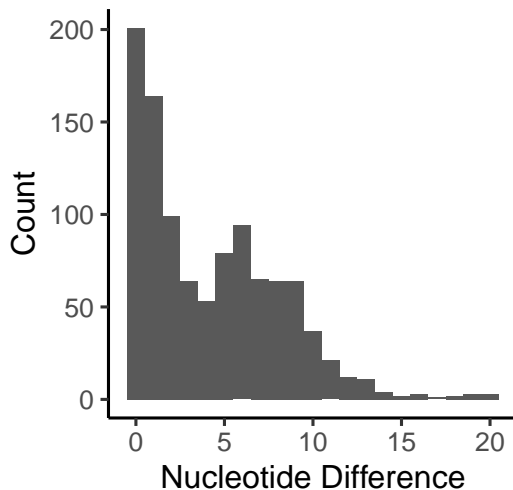
IGHV2–NL_1*01_S4605_()

298 sequences assigned
36 (12.1%) exact matches, in which:
33 unique CDR3
6 unique J



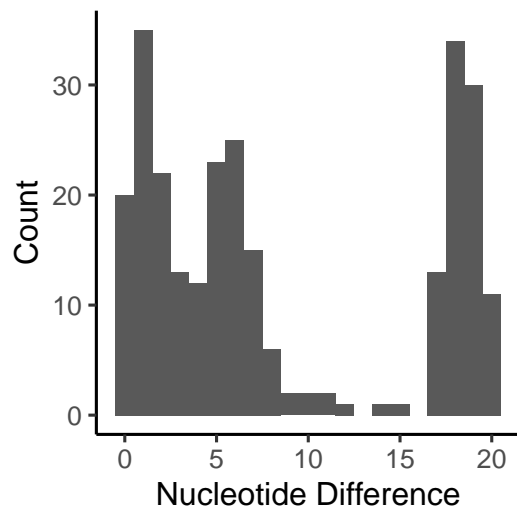
IGHV2–NL_2*01_S2193

1062 sequences assigned
201 (18.9%) exact matches, in which:
114 unique CDR3
7 unique J



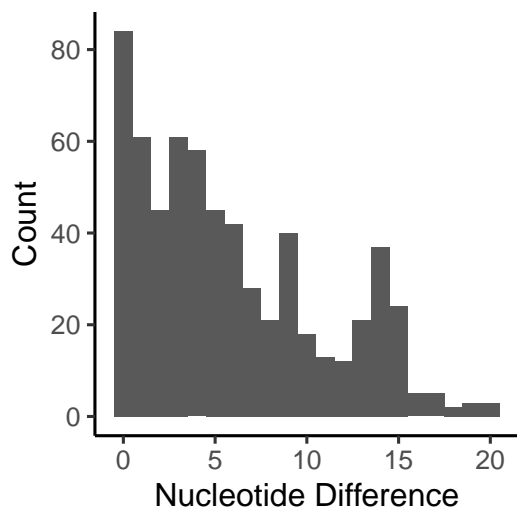
IGHV3–5*01_S1720

290 sequences assigned
20 (6.9%) exact matches, in which:
12 unique CDR3
4 unique J



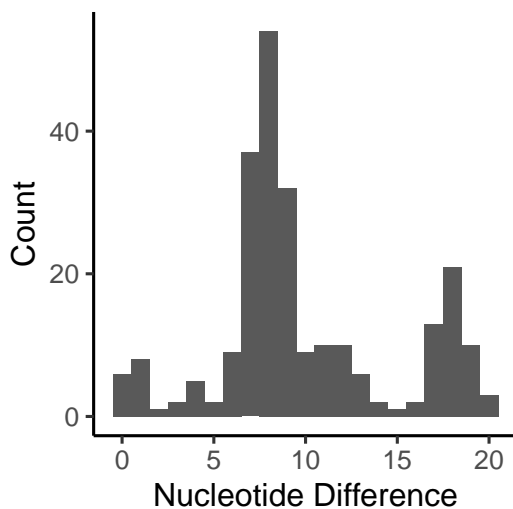
IGHV2–NL_1*01_S7937

649 sequences assigned
84 (12.9%) exact matches, in which:
59 unique CDR3
7 unique J



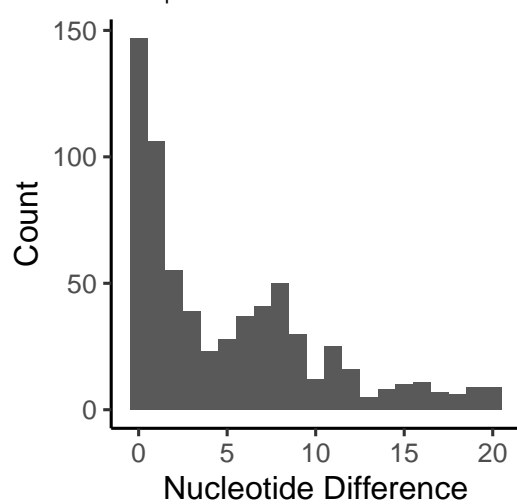
IGHV2–NL_2*01_S2193_()

257 sequences assigned
6 (2.3%) exact matches, in which:
6 unique CDR3
6 unique J



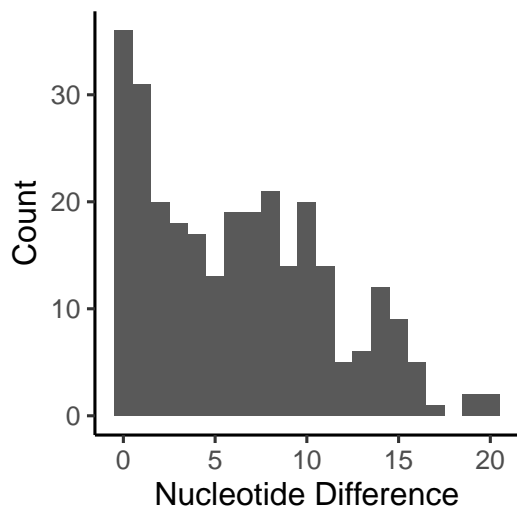
IGHV3–9*01_S0778

715 sequences assigned
147 (20.6%) exact matches, in which:
103 unique CDR3
7 unique J



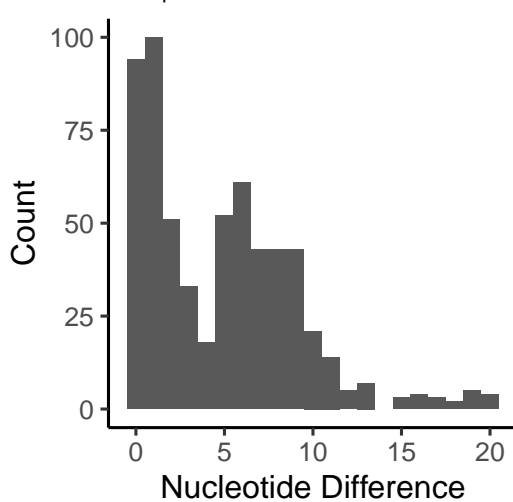
IGHV2–NL_1*01_S7937_()

291 sequences assigned
36 (12.4%) exact matches, in which:
36 unique CDR3
6 unique J



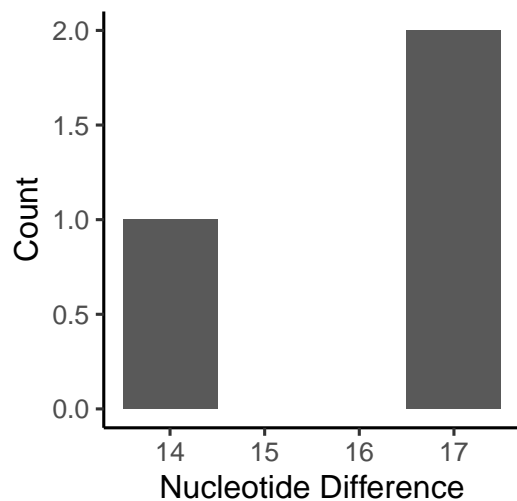
IGHV2–NL_2*01_S2193_

611 sequences assigned
94 (15.4%) exact matches, in which:
70 unique CDR3
6 unique J



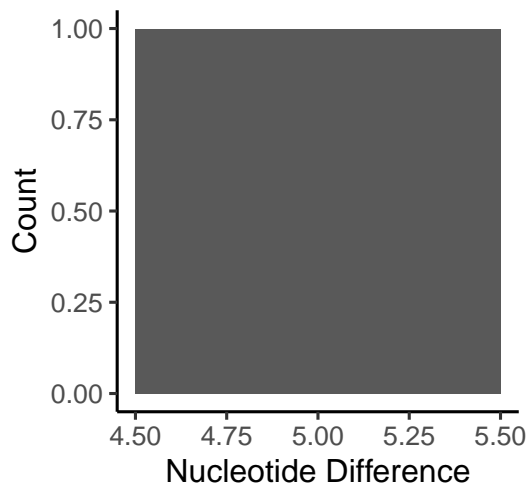
IGHV3–28*01_S3617

5 sequences assigned
No exact matches.



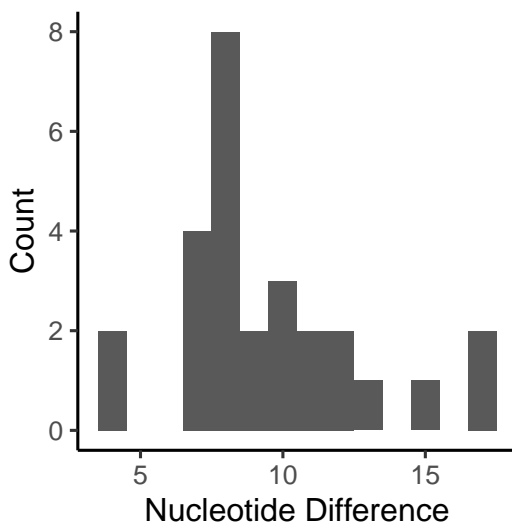
IGHV3-34*02_S0799

2 sequences assigned
No exact matches.



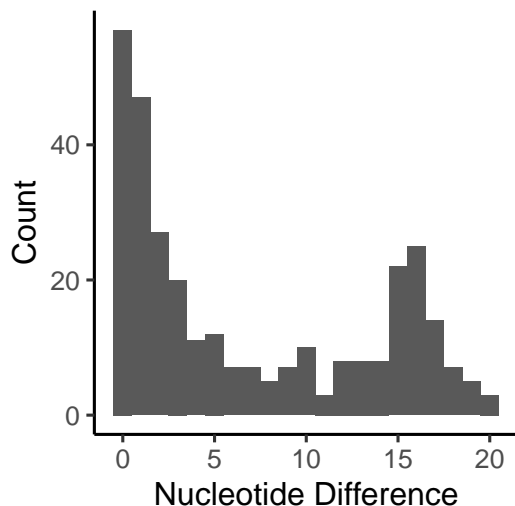
IGHV3-37*01_S0586

27 sequences assigned
No exact matches.



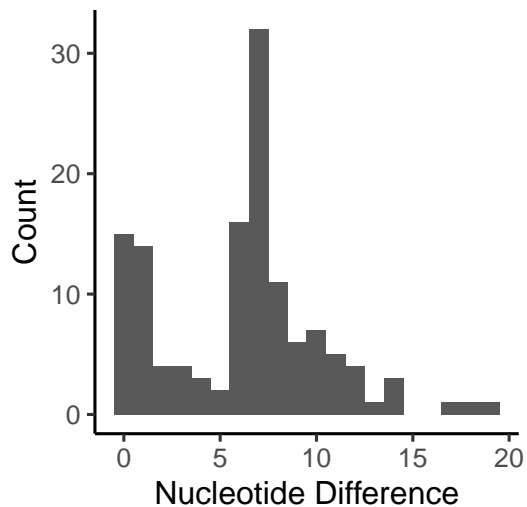
IGHV3-52*02_S4550

325 sequences assigned
57 (17.5%) exact matches, in which:
45 unique CDR3
6 unique J



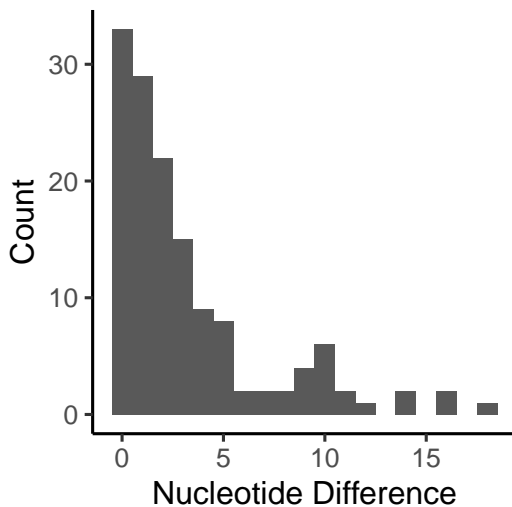
IGHV3-36*01_S1803

133 sequences assigned
15 (11.3%) exact matches, in which:
13 unique CDR3
5 unique J



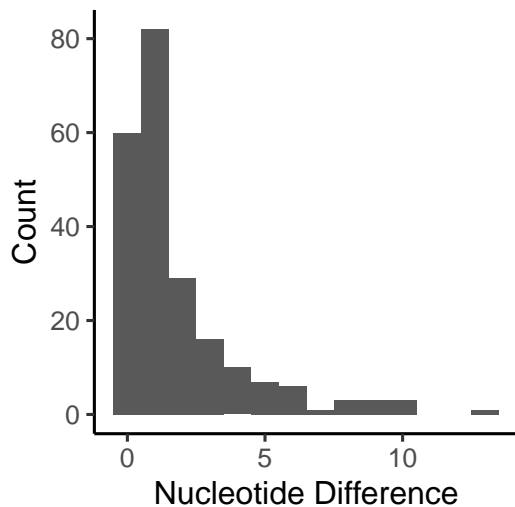
IGHV3-50*01_S8418

142 sequences assigned
33 (23.2%) exact matches, in which:
20 unique CDR3
5 unique J



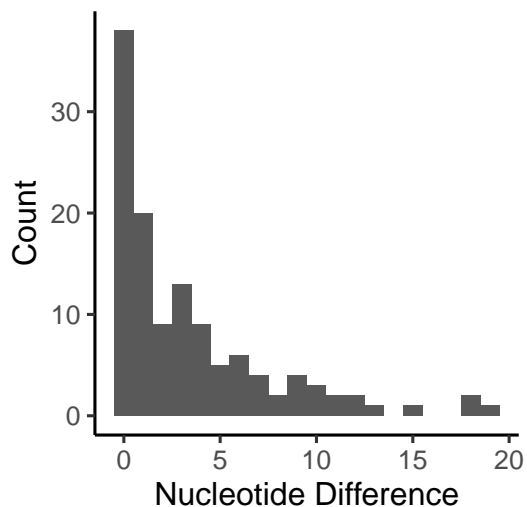
IGHV3-52*02_S6213

221 sequences assigned
60 (27.1%) exact matches, in which:
38 unique CDR3
6 unique J



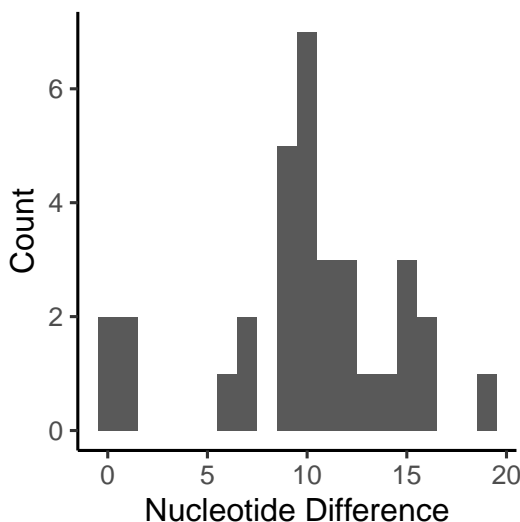
IGHV3-36*01_S6740

123 sequences assigned
38 (30.9%) exact matches, in which:
34 unique CDR3
7 unique J



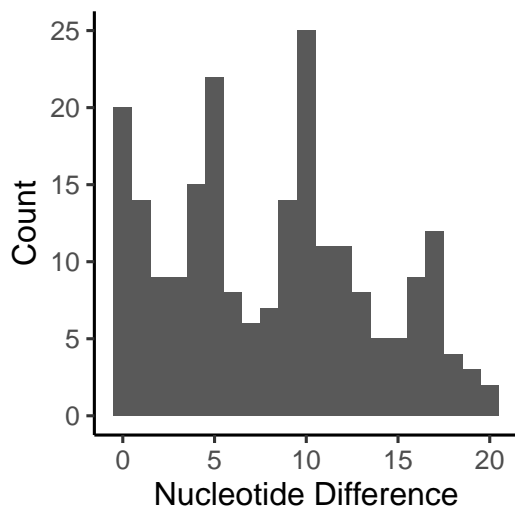
IGHV3-50*01_T114C_T161

38 sequences assigned
2 (5.3%) exact matches, in which:
2 unique CDR3
1 unique J



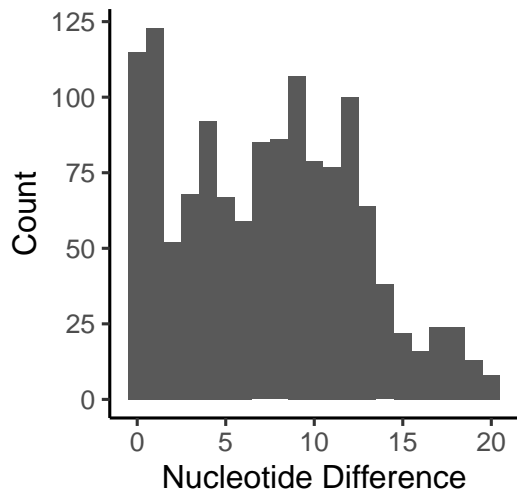
IGHV3-53*01_S2905

281 sequences assigned
20 (7.1%) exact matches, in which:
13 unique CDR3
5 unique J



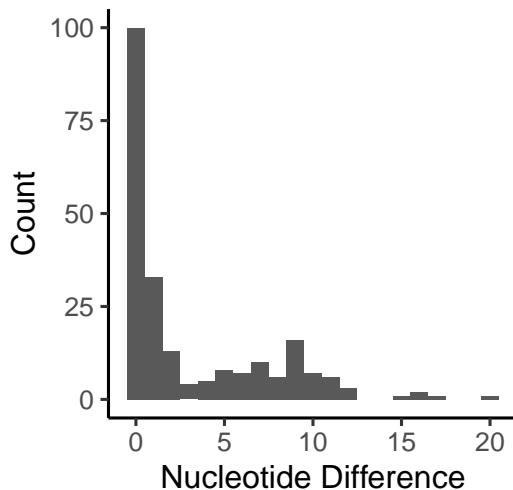
IGHV3-53*01_S3647

1345 sequences assigned
115 (8.6%) exact matches, in which:
81 unique CDR3
6 unique J



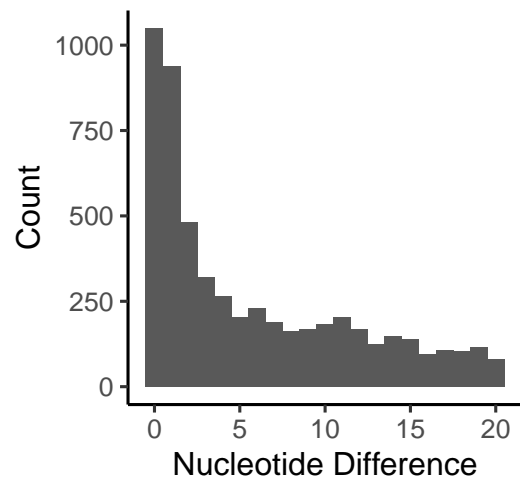
IGHV3-73*02_S7500

231 sequences assigned
100 (43.3%) exact matches, in which:
66 unique CDR3
7 unique J



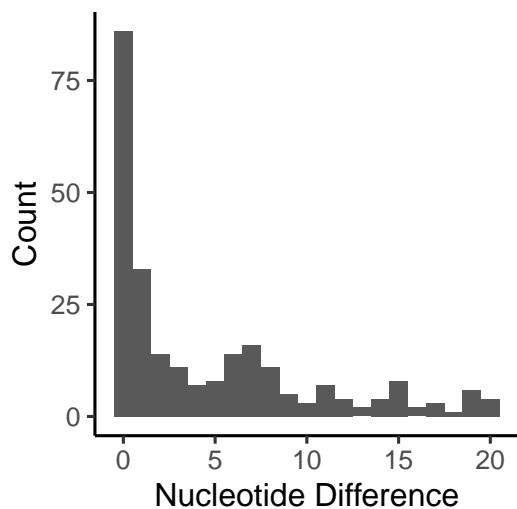
IGHV3-76*02_S4190_A

5770 sequences assigned
1049 (18.2%) exact matches, in which:
910 unique CDR3
9 unique J



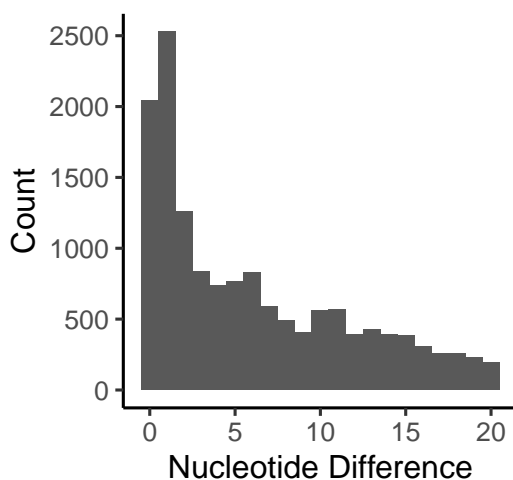
IGHV3-73*02_S2538

276 sequences assigned
86 (31.2%) exact matches, in which:
60 unique CDR3
6 unique J



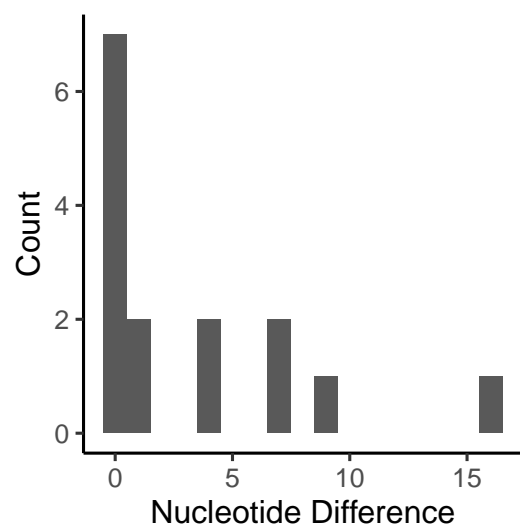
IGHV3-76*01_S9591

16237 sequences assigned
2041 (12.6%) exact matches, in which:
1400 unique CDR3
10 unique J



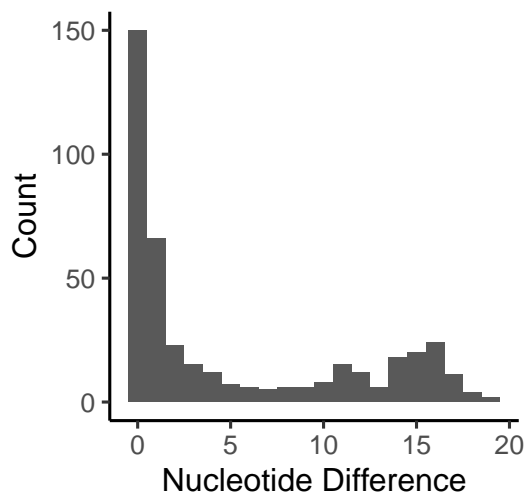
IGHV3-83*01_S5932

15 sequences assigned
7 (46.7%) exact matches, in which:
6 unique CDR3
4 unique J



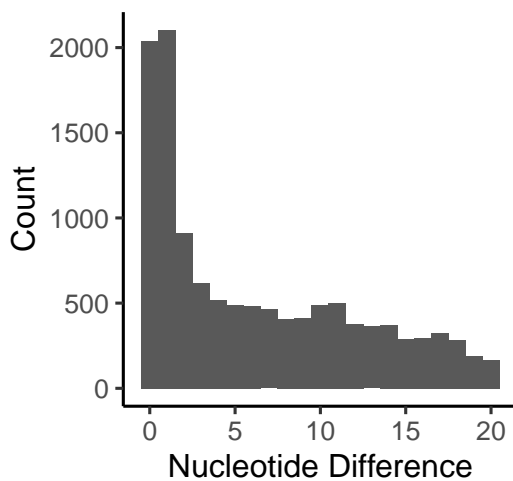
IGHV3-73*02_S4889

431 sequences assigned
150 (34.8%) exact matches, in which:
102 unique CDR3
7 unique J



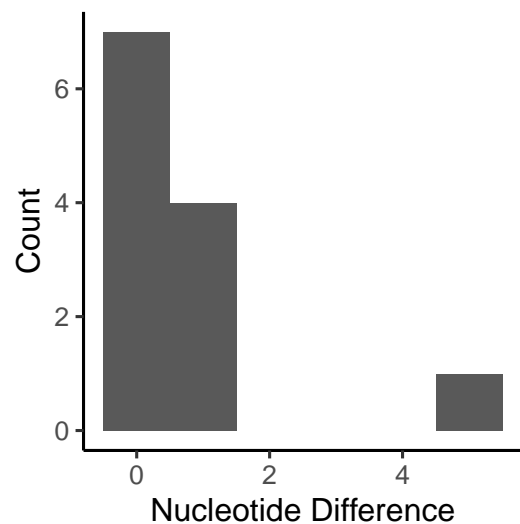
IGHV3-76*02_S4190

12681 sequences assigned
2040 (16.1%) exact matches, in which:
1450 unique CDR3
11 unique J



IGHV3-83*02_S1476

12 sequences assigned
7 (58.3%) exact matches, in which:
6 unique CDR3
4 unique J



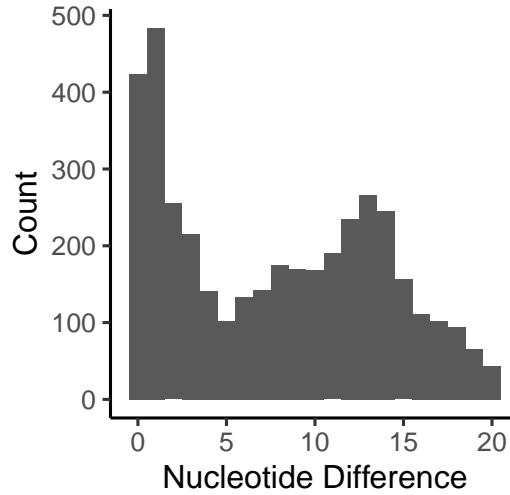
IGHV3-83*02_S3364

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
1 unique J



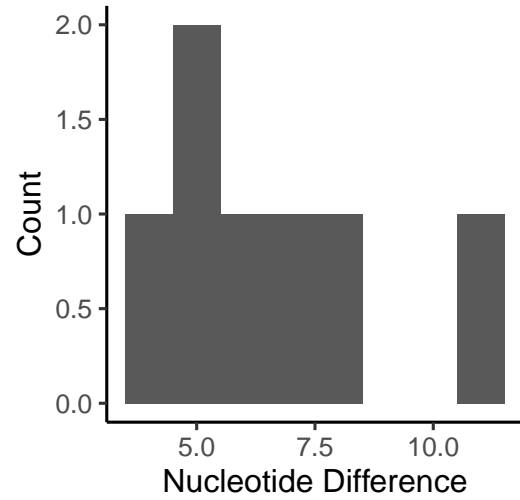
IGHV3-88*02_S1054

4319 sequences assigned
424 (9.8%) exact matches, in which:
282 unique CDR3
8 unique J



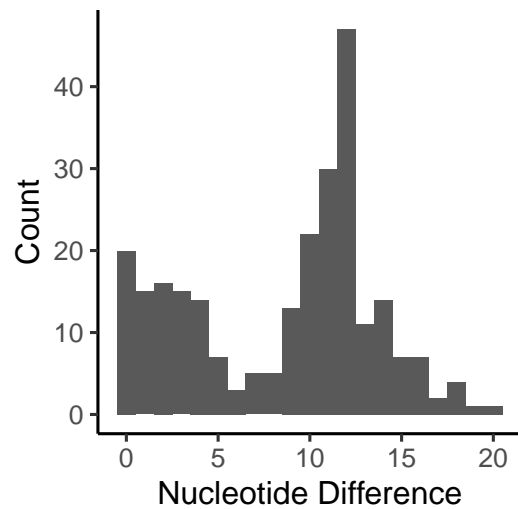
IGHV3-103*01_S6076

7 sequences assigned
No exact matches.



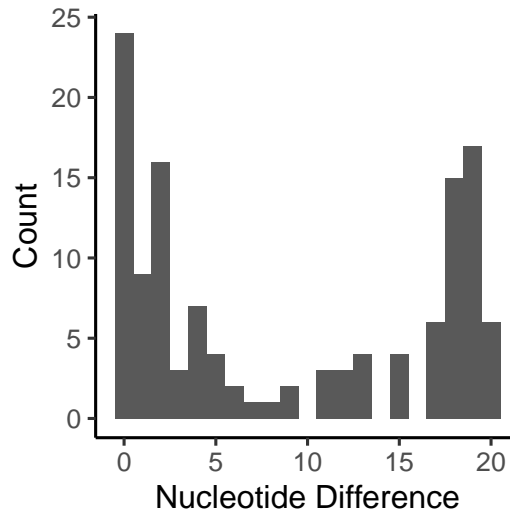
IGHV3-87*01_S1401

265 sequences assigned
20 (7.5%) exact matches, in which:
12 unique CDR3
3 unique J



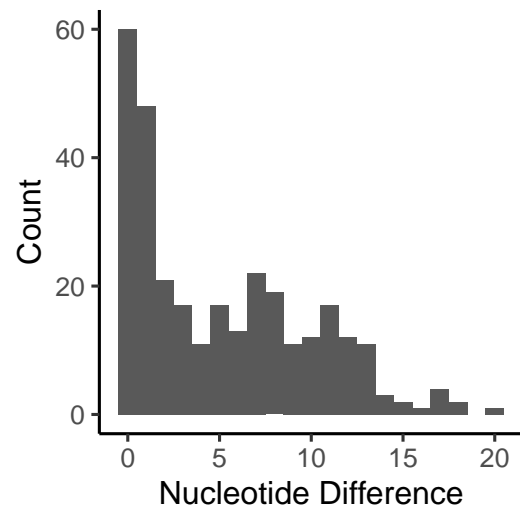
IGHV3-100*01_S4375

166 sequences assigned
24 (14.5%) exact matches, in which:
17 unique CDR3
4 unique J



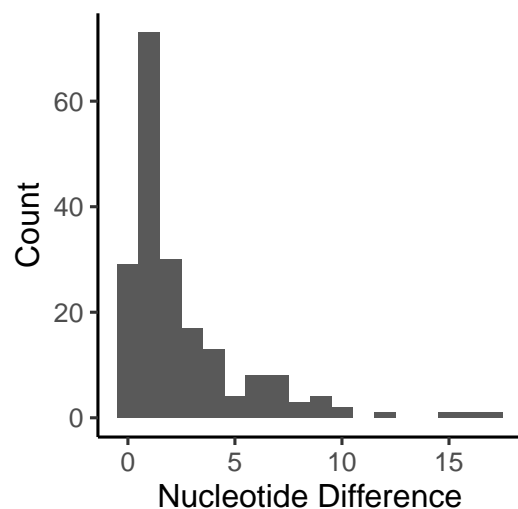
IGHV3-119*01_S5944

316 sequences assigned
60 (19%) exact matches, in which:
39 unique CDR3
4 unique J



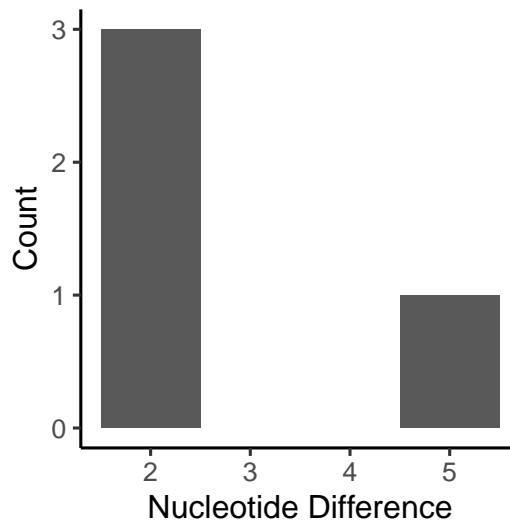
IGHV3-87*01_S2131

197 sequences assigned
29 (14.7%) exact matches, in which:
15 unique CDR3
3 unique J



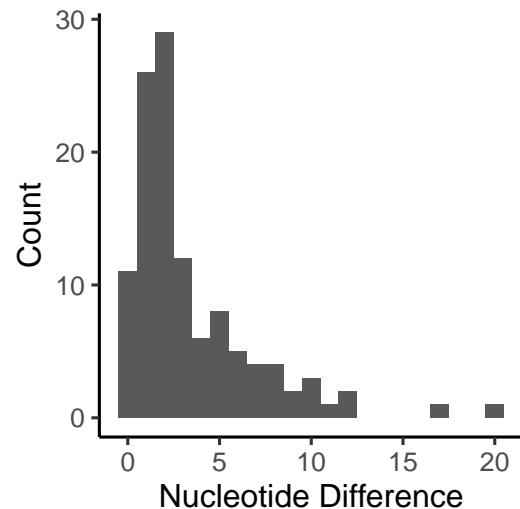
IGHV3-103*01_S1165

6 sequences assigned
No exact matches.



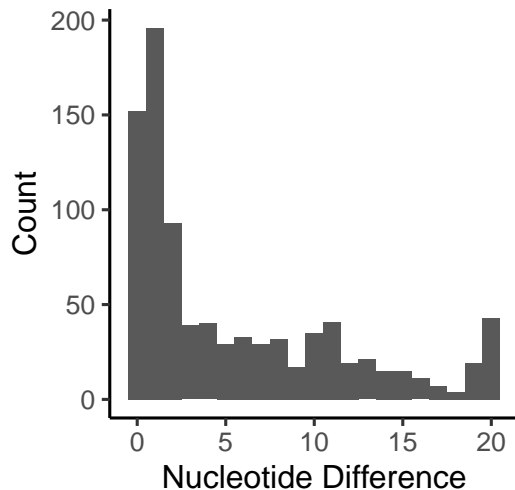
IGHV3-120*01_S7674

115 sequences assigned
11 (9.6%) exact matches, in which:
7 unique CDR3
4 unique J



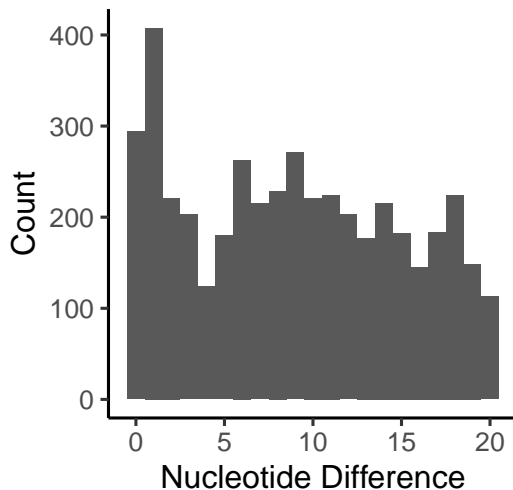
IGHV3-122*01_S0584

936 sequences assigned
152 (16.2%) exact matches, in which:
111 unique CDR3
7 unique J



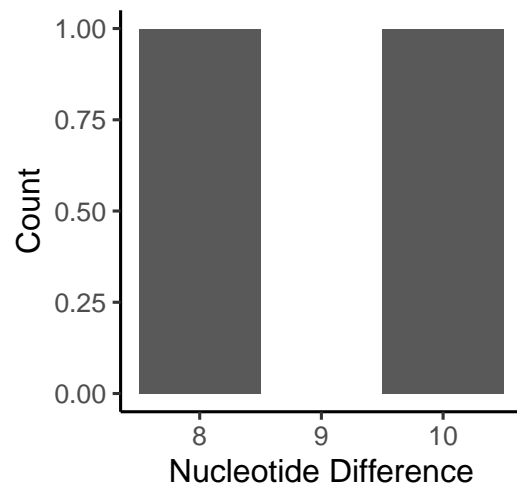
IGHV3-128*01_S3124

4926 sequences assigned
294 (6%) exact matches, in which:
173 unique CDR3
5 unique J



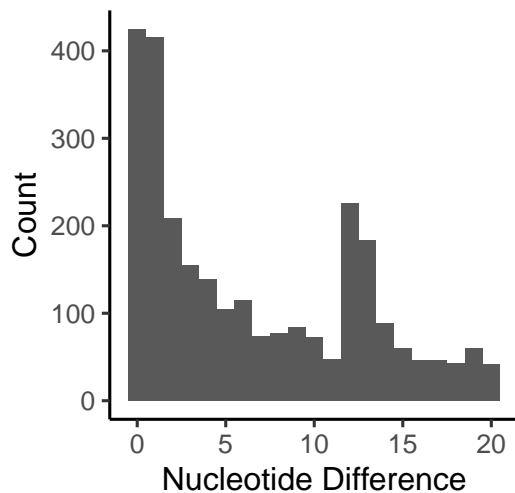
IGHV3-143*01_S1591

2 sequences assigned
No exact matches.



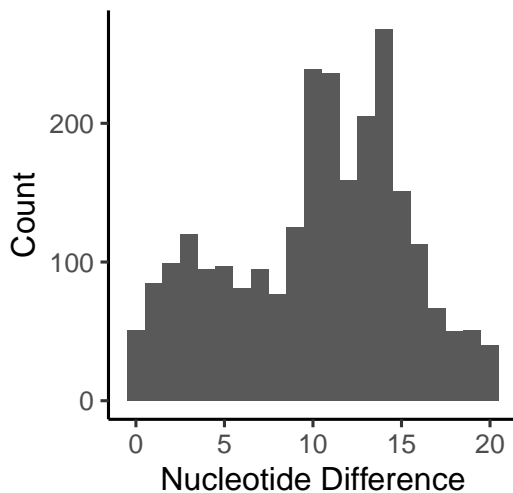
IGHV3-122*01_S8388

2840 sequences assigned
425 (15%) exact matches, in which:
310 unique CDR3
7 unique J



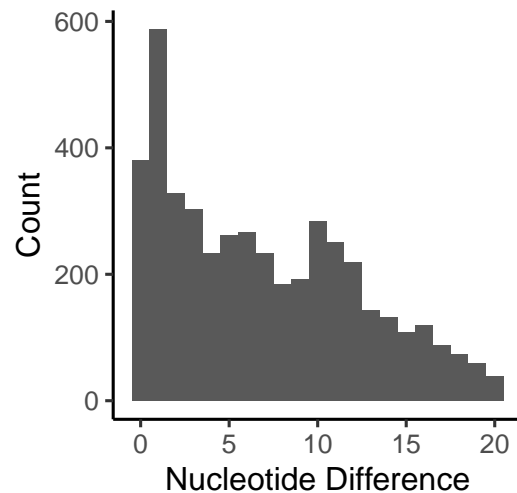
IGHV3-128*01_S6300

2628 sequences assigned
51 (1.9%) exact matches, in which:
29 unique CDR3
5 unique J



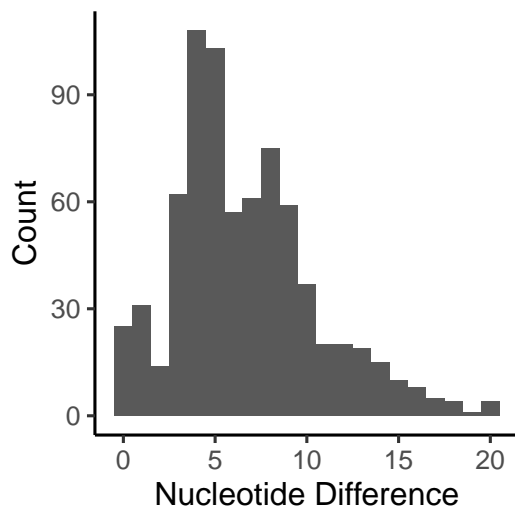
IGHV3-152*01_S7388

4722 sequences assigned
381 (8.1%) exact matches, in which:
206 unique CDR3
7 unique J



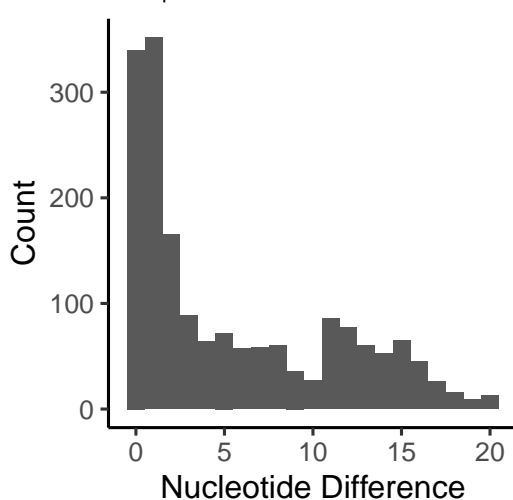
IGHV3-127*01_S6769

761 sequences assigned
25 (3.3%) exact matches, in which:
18 unique CDR3
7 unique J



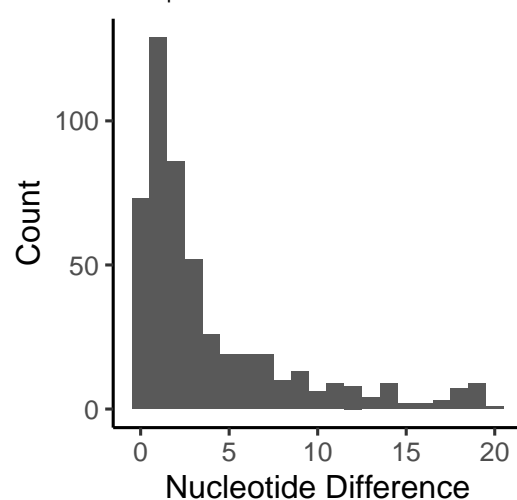
IGHV3-141*01_S8690

1819 sequences assigned
340 (18.7%) exact matches, in which:
254 unique CDR3
8 unique J



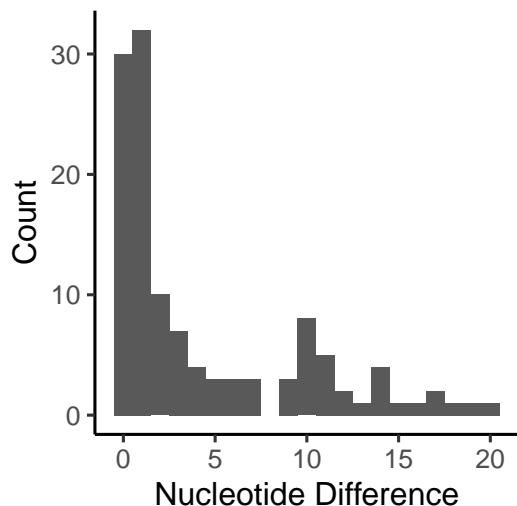
IGHV3-172*01_S1597

520 sequences assigned
73 (14%) exact matches, in which:
34 unique CDR3
6 unique J



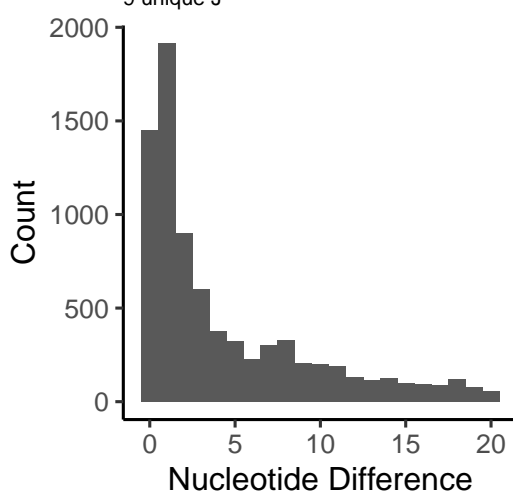
IGHV3-172*01_S8488

124 sequences assigned
30 (24.2%) exact matches, in which:
23 unique CDR3
5 unique J



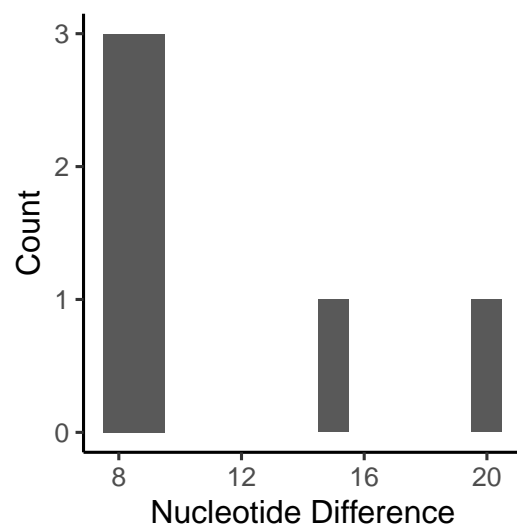
IGHV3-NL_1*01_S1988

8306 sequences assigned
1450 (17.5%) exact matches, in which:
982 unique CDR3
9 unique J



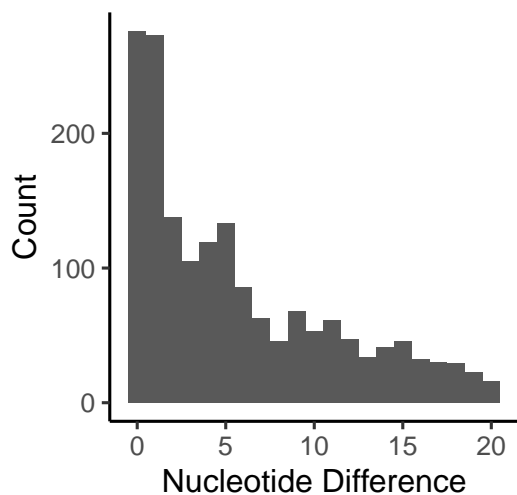
IGHV3-NL_10*02_S3155

11 sequences assigned
No exact matches.



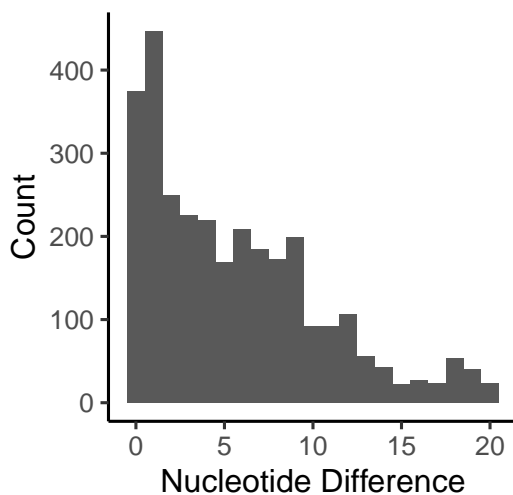
IGHV3-177*01_S8409

1772 sequences assigned
276 (15.6%) exact matches, in which:
193 unique CDR3
7 unique J



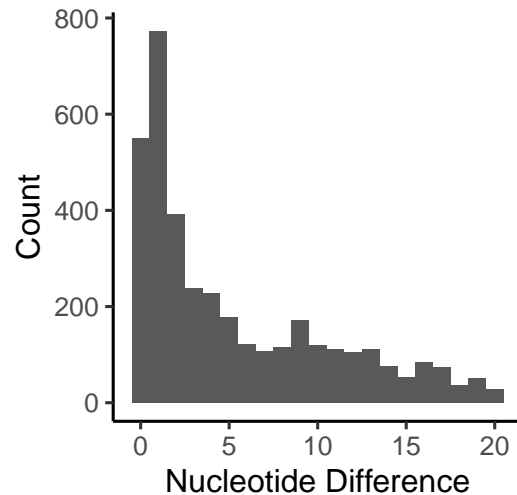
IGHV3-NL_1*01_S4906

3085 sequences assigned
374 (12.1%) exact matches, in which:
239 unique CDR3
7 unique J



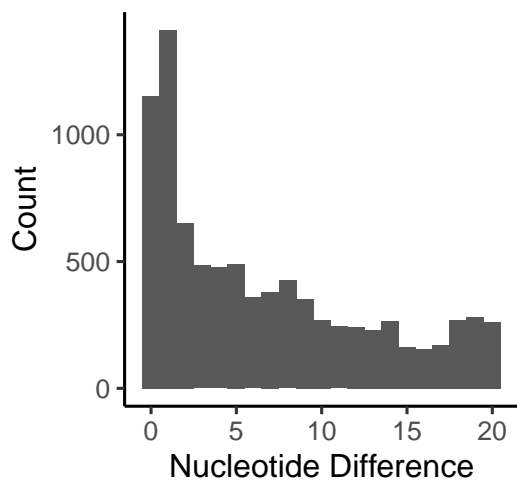
IGHV3-NL_11*01_S4380

3909 sequences assigned
551 (14.1%) exact matches, in which:
396 unique CDR3
9 unique J



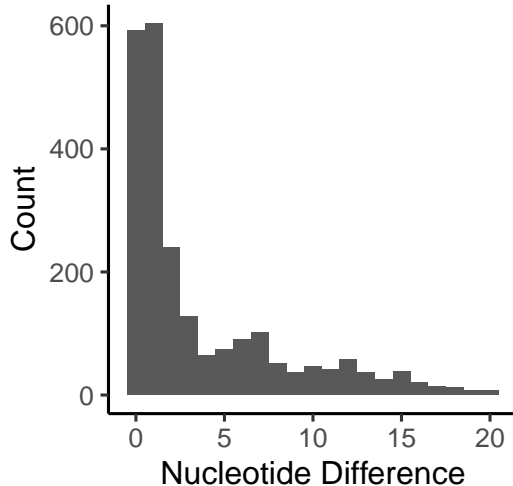
IGHV3-187*01_S6641

10122 sequences assigned
1152 (11.4%) exact matches, in which:
694 unique CDR3
9 unique J



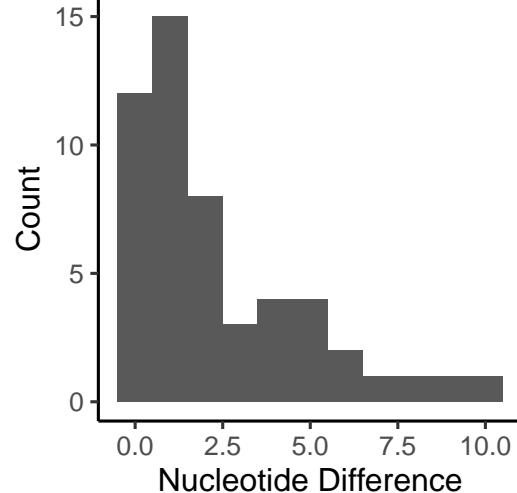
IGHV3-NL_1*01_S6560

2311 sequences assigned
592 (25.6%) exact matches, in which:
412 unique CDR3
8 unique J



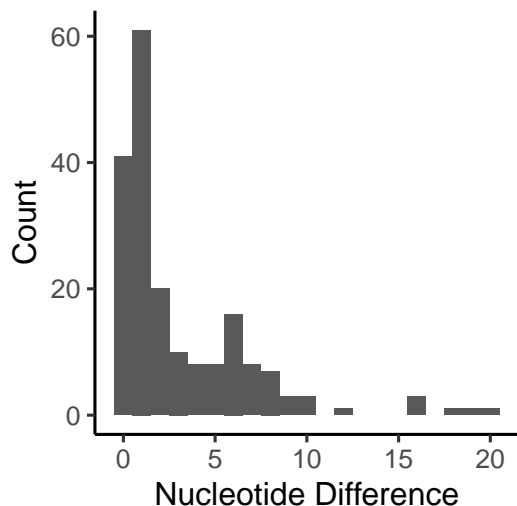
IGHV3-NL_12*02_S5246

52 sequences assigned
12 (23.1%) exact matches, in which:
10 unique CDR3
4 unique J



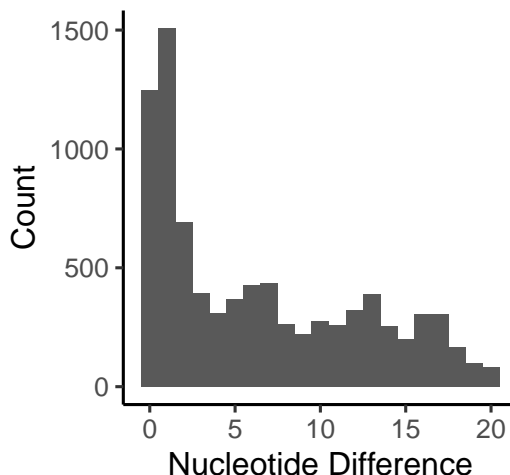
IGHV3-NL_13*01_S3277

194 sequences assigned
41 (21.1%) exact matches, in which:
29 unique CDR3
6 unique J



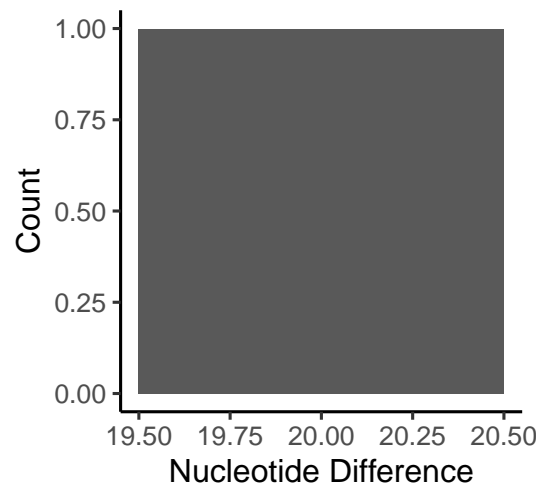
IGHV3-NL_17*01_S425

8753 sequences assigned
1247 (14.2%) exact matches, in which:
755 unique CDR3
7 unique J



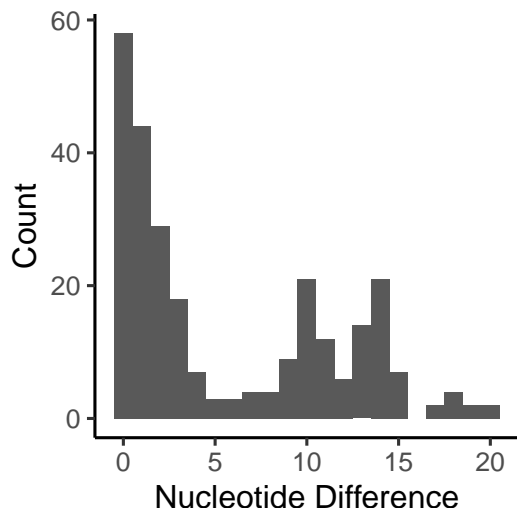
IGHV3-NL_19*01_S2160

1 sequences assigned
No exact matches.



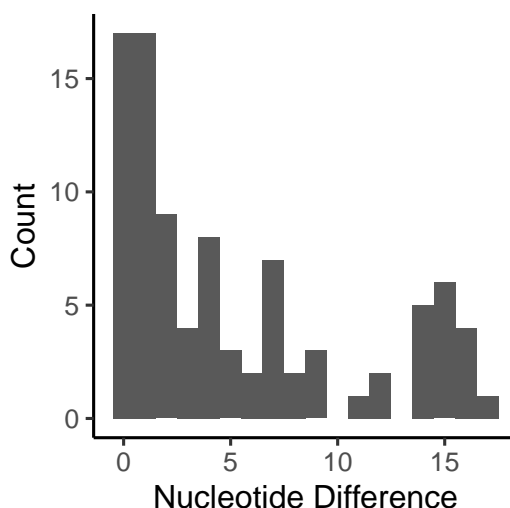
IGHV3-NL_16*01_S7825

285 sequences assigned
58 (20.4%) exact matches, in which:
47 unique CDR3
6 unique J



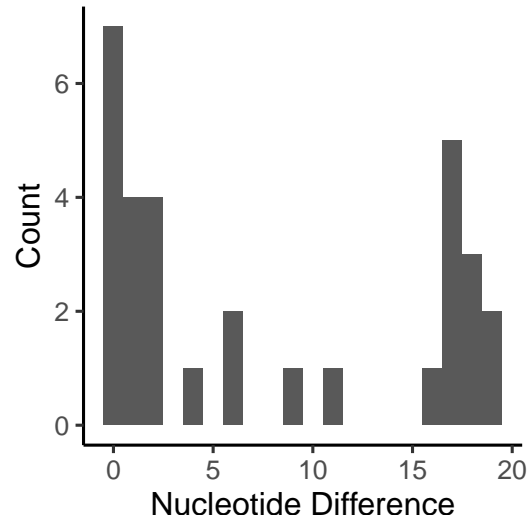
IGHV3-NL_18*01_S6396

95 sequences assigned
17 (17.9%) exact matches, in which:
13 unique CDR3
6 unique J



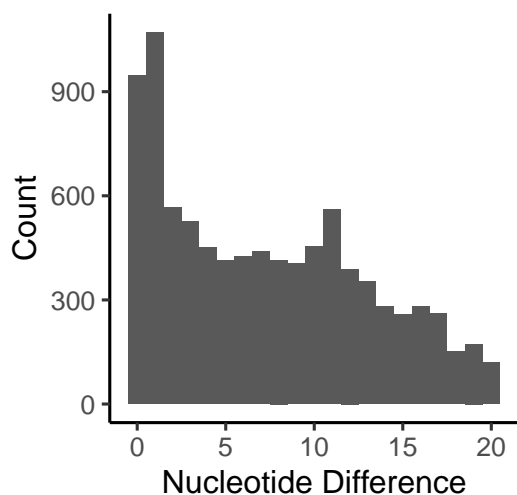
IGHV3-NL_2*01_S9710

56 sequences assigned
7 (12.5%) exact matches, in which:
3 unique CDR3
2 unique J



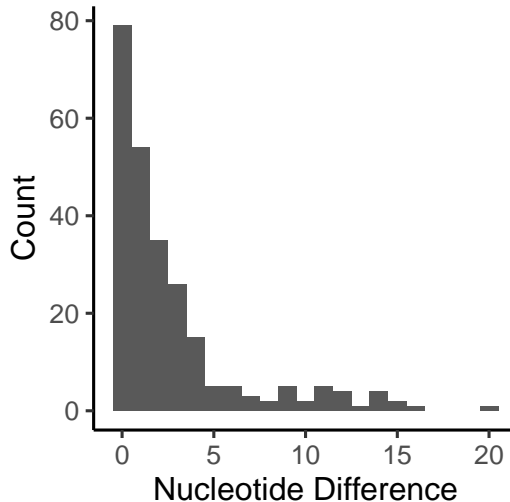
IGHV3-NL_17*01_S1342

9292 sequences assigned
947 (10.2%) exact matches, in which:
602 unique CDR3
8 unique J



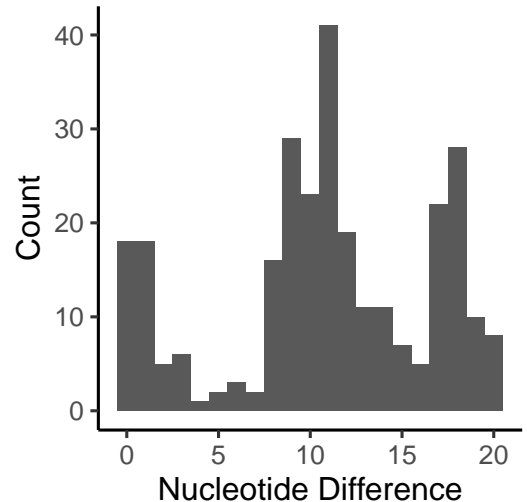
IGHV3-NL_18*01_S7220

251 sequences assigned
79 (31.5%) exact matches, in which:
65 unique CDR3
5 unique J



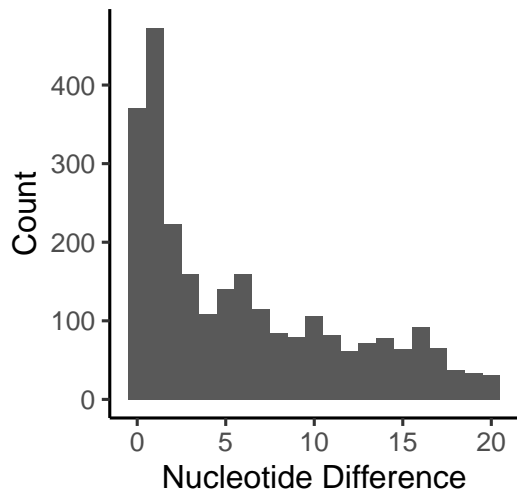
IGHV3-NL_4*01_S6875

311 sequences assigned
18 (5.8%) exact matches, in which:
13 unique CDR3
4 unique J



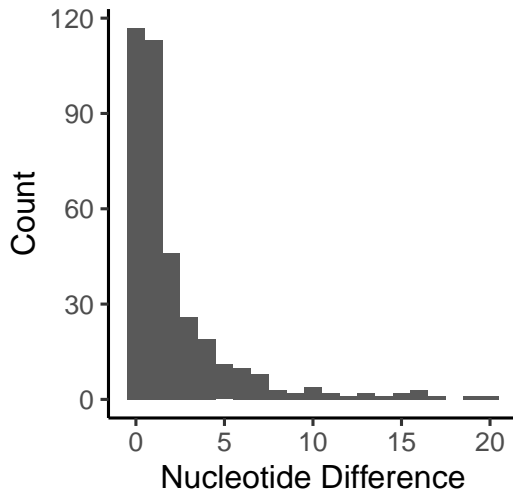
IGHV3–NL_5*01_S4429

2849 sequences assigned
371 (13%) exact matches, in which:
222 unique CDR3
7 unique J



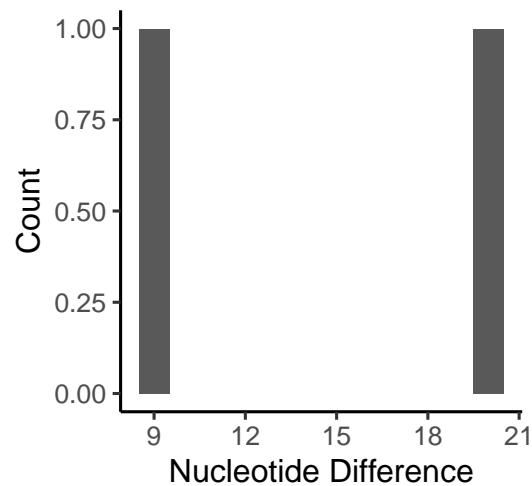
IGHV3–NL_8*01_S9584

377 sequences assigned
117 (31%) exact matches, in which:
82 unique CDR3
7 unique J



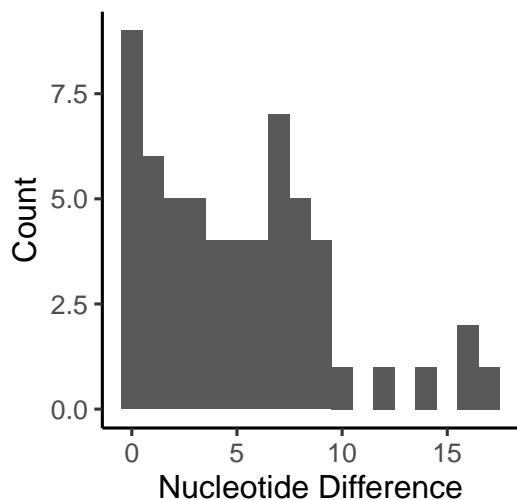
IGHV4–67*02_S1312

3 sequences assigned
No exact matches.



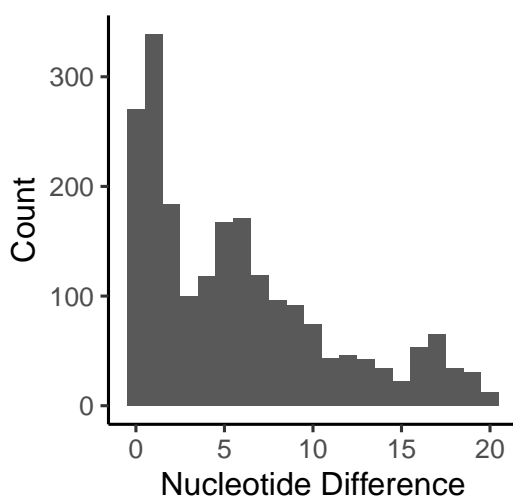
IGHV3–NL_6*02_S6474

61 sequences assigned
9 (14.8%) exact matches, in which:
9 unique CDR3
6 unique J



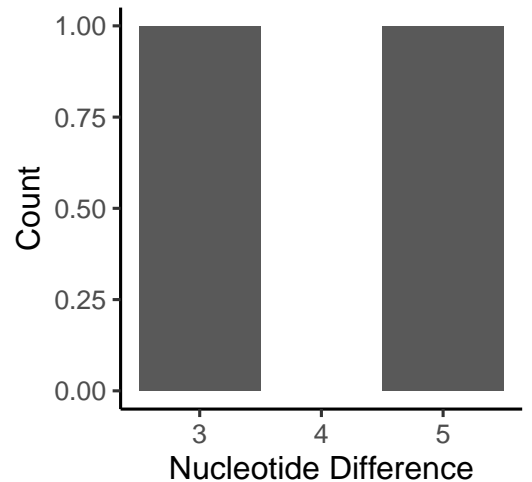
IGHV3–NL_9*01_S6098

2575 sequences assigned
270 (10.5%) exact matches, in which:
192 unique CDR3
7 unique J



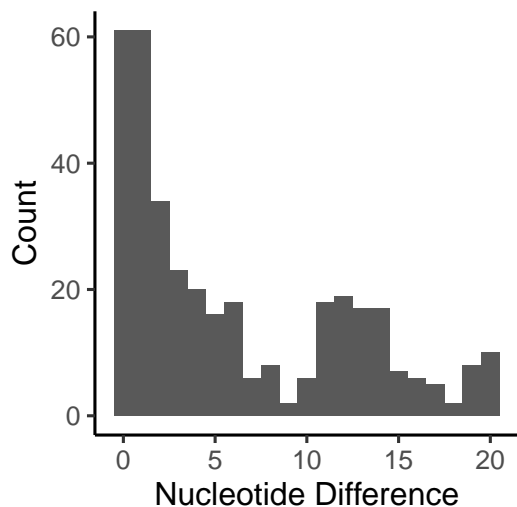
IGHV4–67*02_S6848

2 sequences assigned
No exact matches.



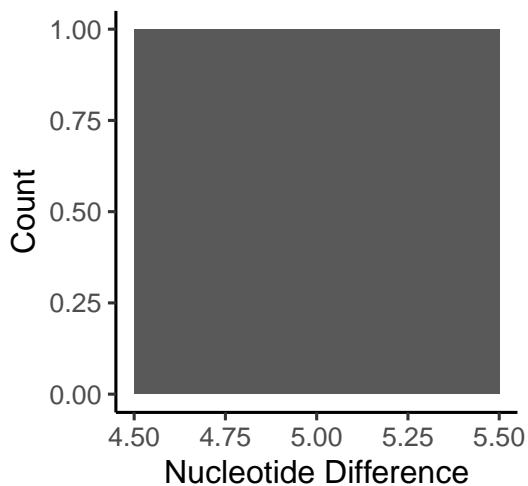
IGHV3–NL_8*01_S7415

402 sequences assigned
61 (15.2%) exact matches, in which:
44 unique CDR3
6 unique J



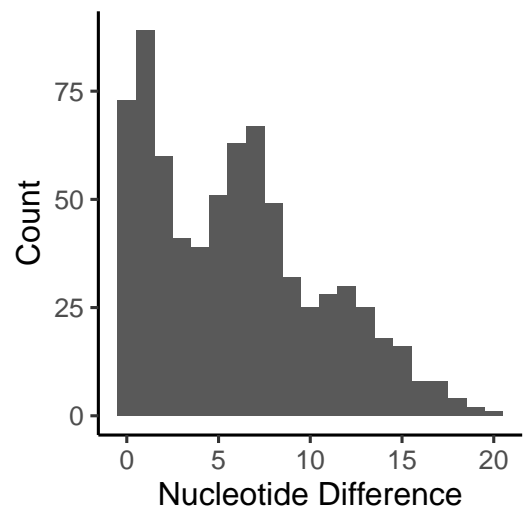
IGHV4–67*01_S6570

1 sequences assigned
No exact matches.



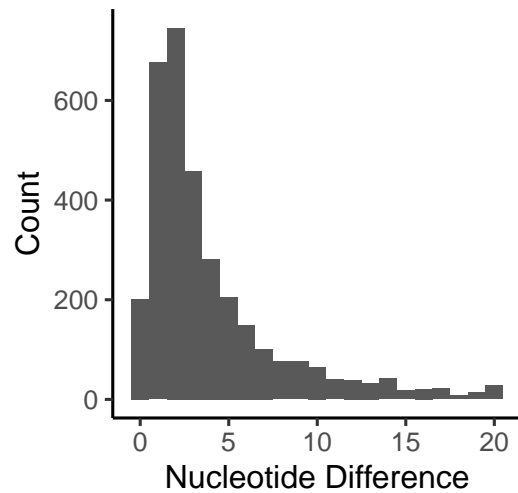
IGHV4–72*01_S8261

776 sequences assigned
73 (9.4%) exact matches, in which:
58 unique CDR3
7 unique J



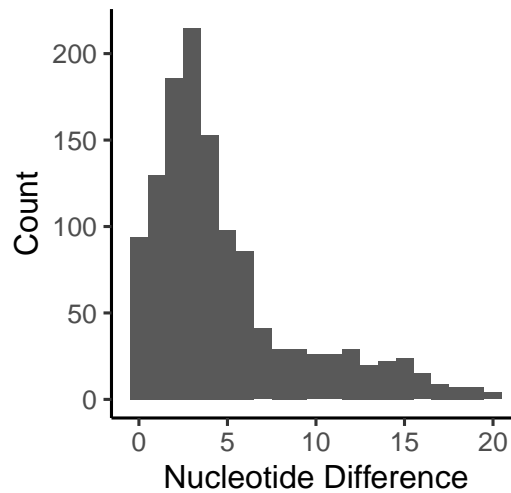
IGHV4-79*01_S6884

3555 sequences assigned
201 (5.7%) exact matches, in which:
176 unique CDR3
9 unique J



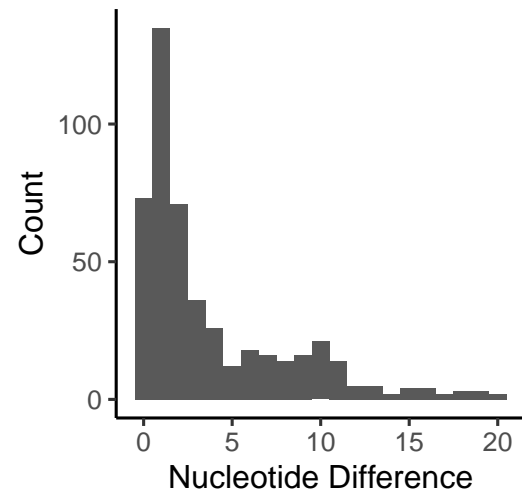
IGHV4-117*01_S3455

1273 sequences assigned
94 (7.4%) exact matches, in which:
77 unique CDR3
7 unique J



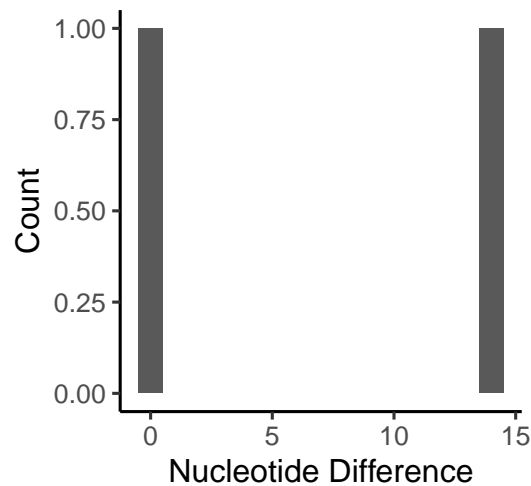
IGHV4-144*01_S1446

499 sequences assigned
73 (14.6%) exact matches, in which:
61 unique CDR3
6 unique J



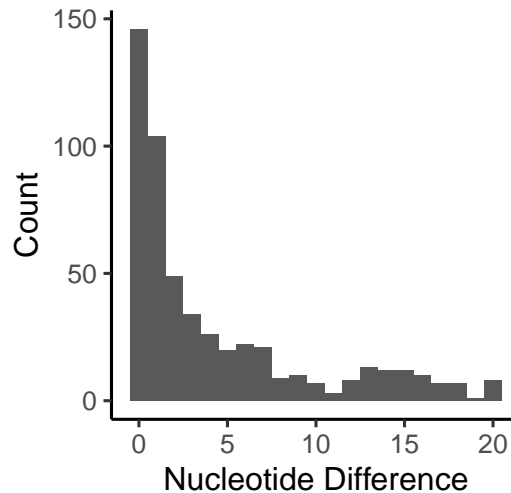
IGHV4-93*01_S1164

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



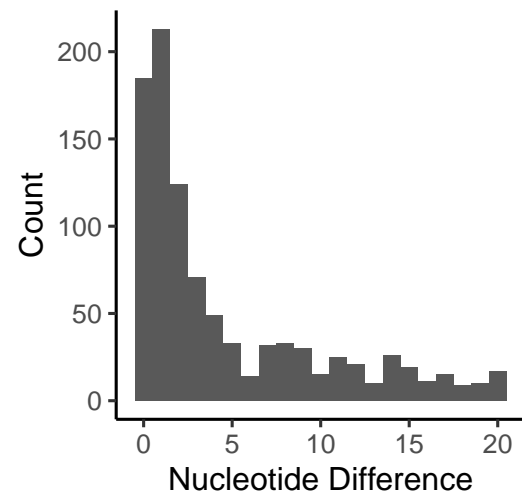
IGHV4-117*01_S6852

550 sequences assigned
146 (26.5%) exact matches, in which:
122 unique CDR3
7 unique J



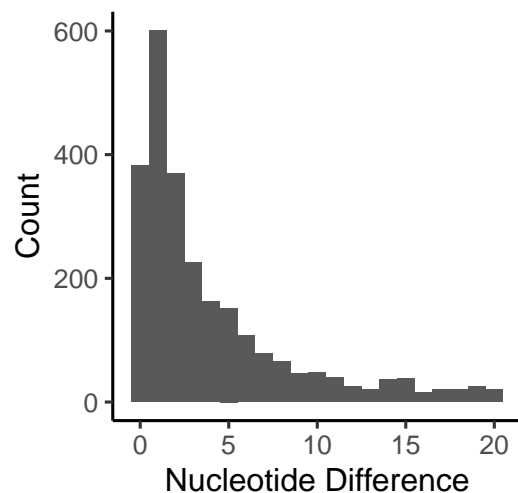
IGHV4-144*01_S6192

1045 sequences assigned
185 (17.7%) exact matches, in which:
155 unique CDR3
7 unique J



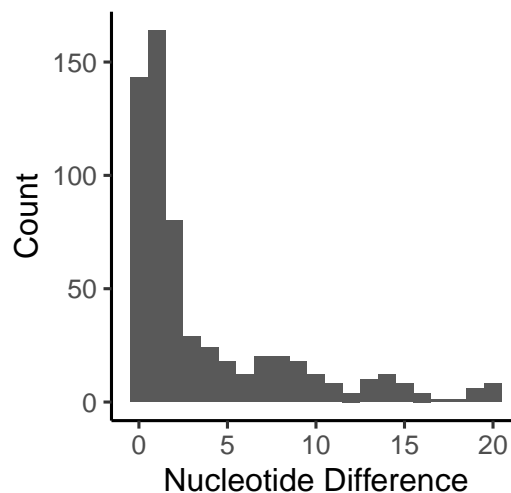
IGHV4-117*01_S2181

2666 sequences assigned
382 (14.3%) exact matches, in which:
324 unique CDR3
7 unique J



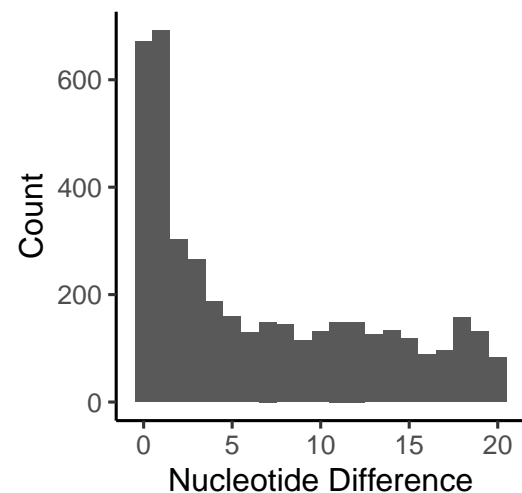
IGHV4-144*01_S0885

631 sequences assigned
143 (22.7%) exact matches, in which:
111 unique CDR3
7 unique J



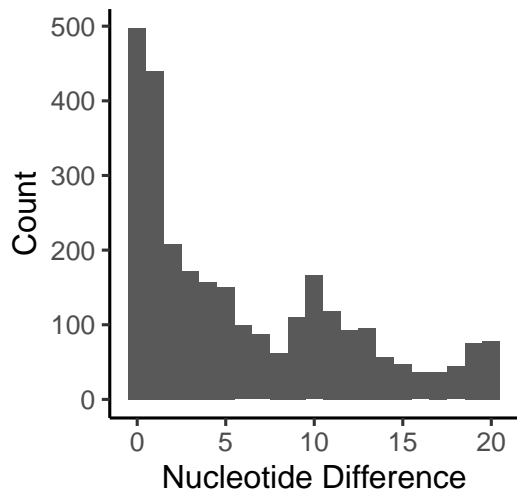
IGHV4-149*01_S2615

4732 sequences assigned
672 (14.2%) exact matches, in which:
524 unique CDR3
8 unique J



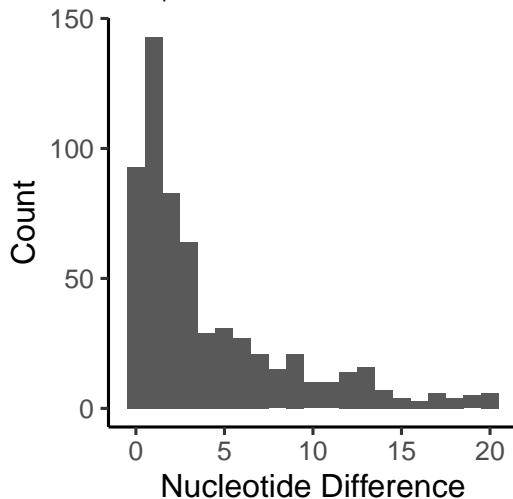
IGHV4-149*01_S4098

3287 sequences assigned
498 (15.2%) exact matches, in which:
418 unique CDR3
8 unique J



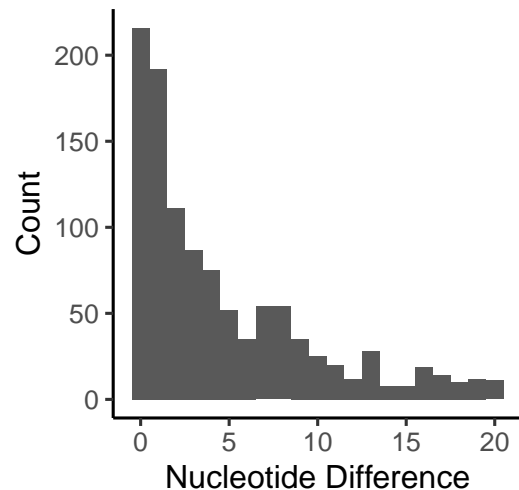
IGHV4-NL_1*01_S5641

625 sequences assigned
93 (14.9%) exact matches, in which:
76 unique CDR3
6 unique J



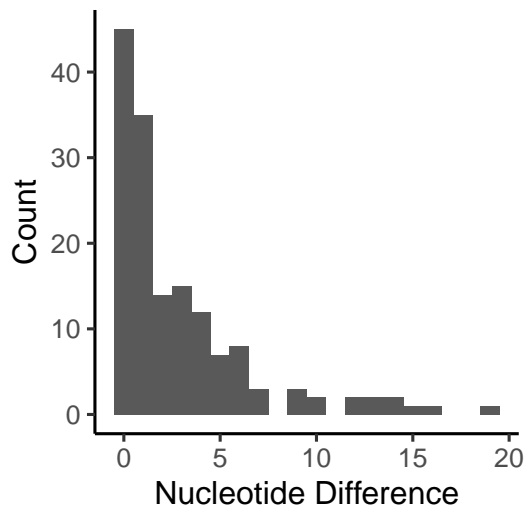
IGHV4-NL_1*02_S9550

1114 sequences assigned
216 (19.4%) exact matches, in which:
180 unique CDR3
7 unique J



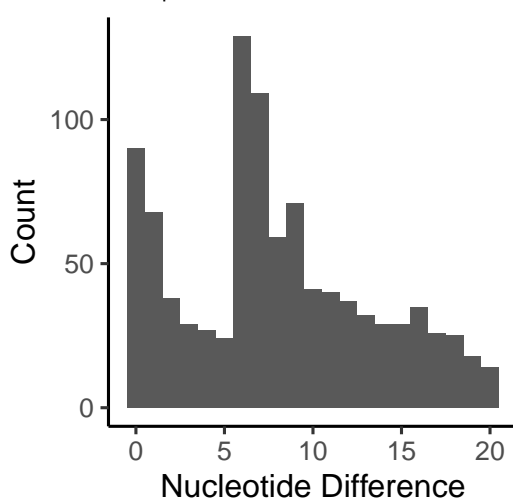
IGHV4-150*01_S4911

153 sequences assigned
45 (29.4%) exact matches, in which:
37 unique CDR3
7 unique J



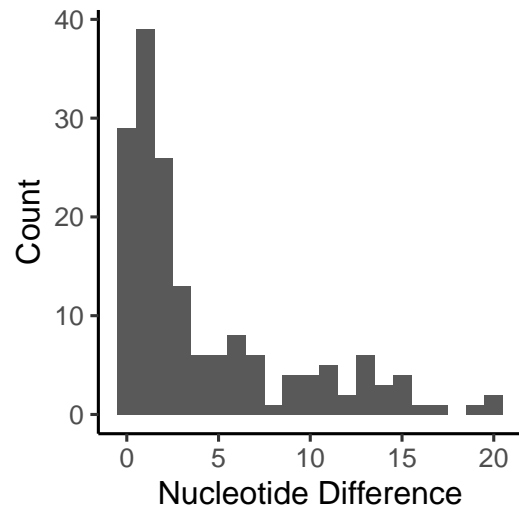
IGHV4-NL_1*01_S8520

1063 sequences assigned
90 (8.5%) exact matches, in which:
82 unique CDR3
6 unique J



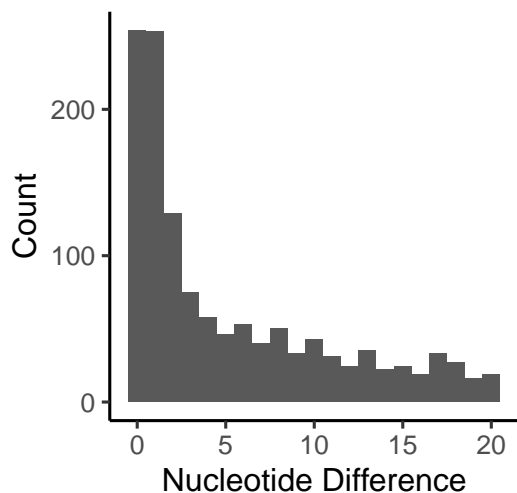
IGHV4-NL_10*01_S4826

170 sequences assigned
29 (17.1%) exact matches, in which:
25 unique CDR3
6 unique J



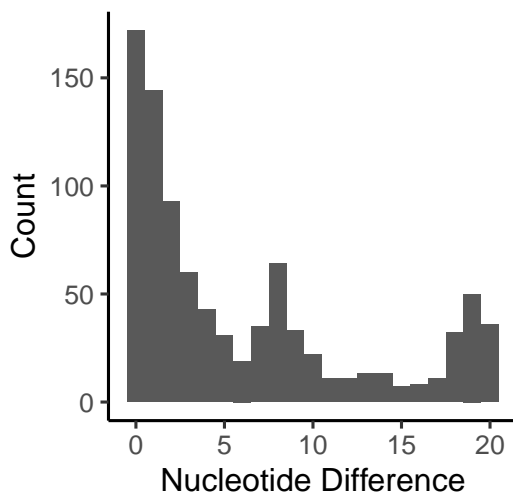
IGHV4-174*02_S7573

1385 sequences assigned
254 (18.3%) exact matches, in which:
211 unique CDR3
7 unique J



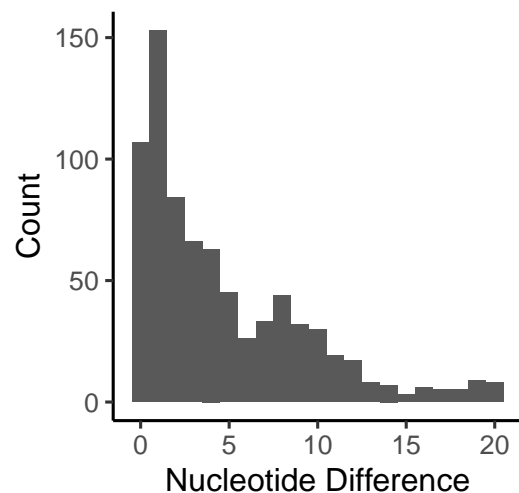
IGHV4-NL_1*01_S9616

1017 sequences assigned
172 (16.9%) exact matches, in which:
128 unique CDR3
7 unique J



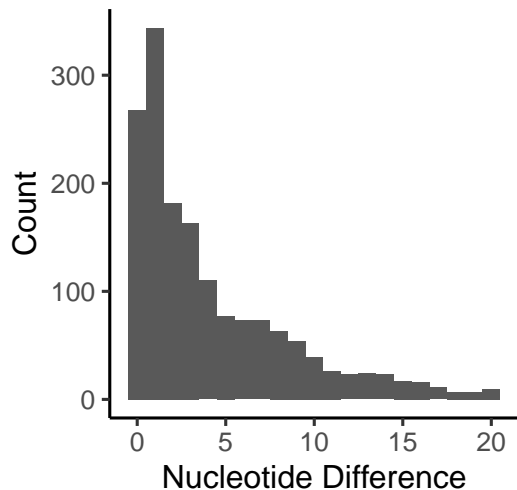
IGHV4-NL_12*01_S6471

812 sequences assigned
107 (13.2%) exact matches, in which:
92 unique CDR3
8 unique J



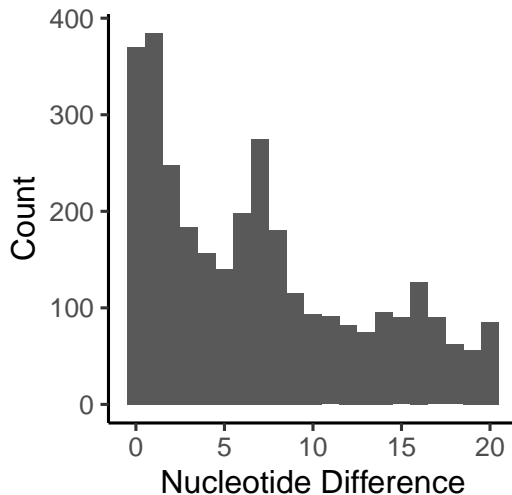
IGHV4–NL_13*01_S9273

1692 sequences assigned
268 (15.8%) exact matches, in which:
231 unique CDR3
9 unique J



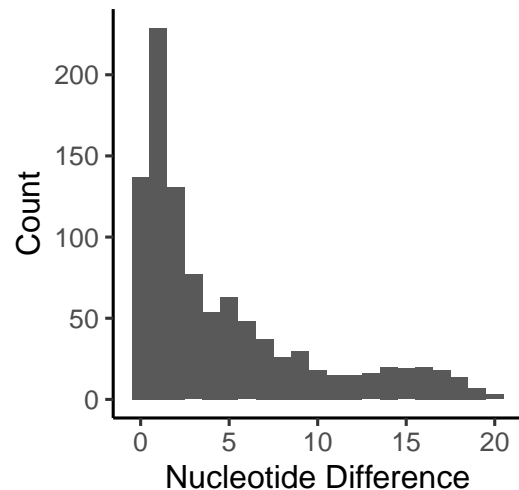
IGHV4–NL_18*01_S3907

3524 sequences assigned
370 (10.5%) exact matches, in which:
278 unique CDR3
8 unique J



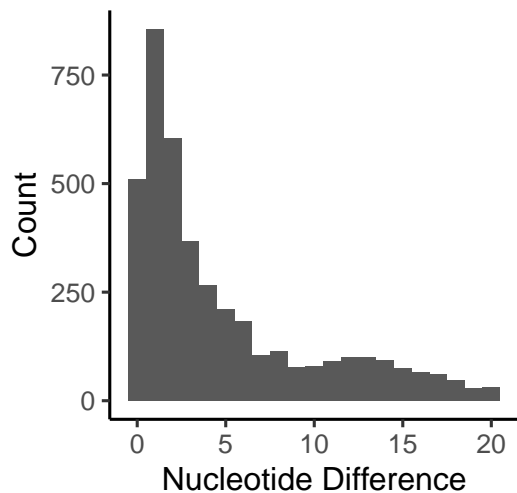
IGHV4–NL_22*01_S1072

1053 sequences assigned
137 (13%) exact matches, in which:
127 unique CDR3
7 unique J



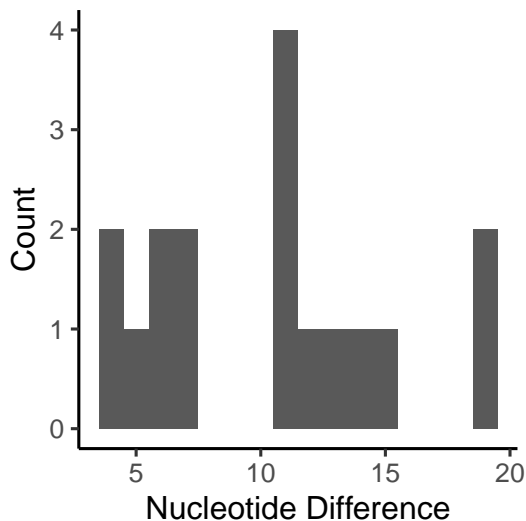
IGHV4–NL_16*01_S2138

4219 sequences assigned
509 (12.1%) exact matches, in which:
404 unique CDR3
7 unique J



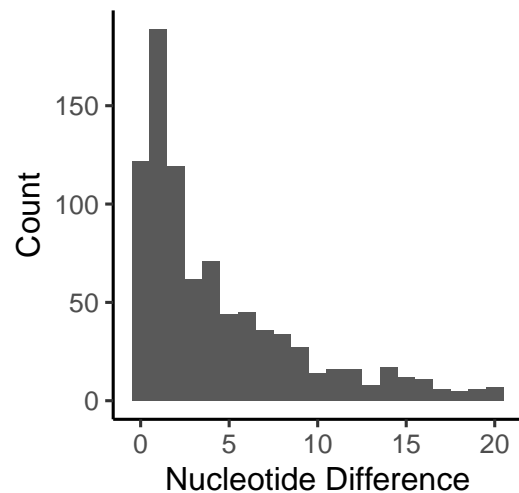
IGHV4–NL_21*01_S0138

18 sequences assigned
No exact matches.



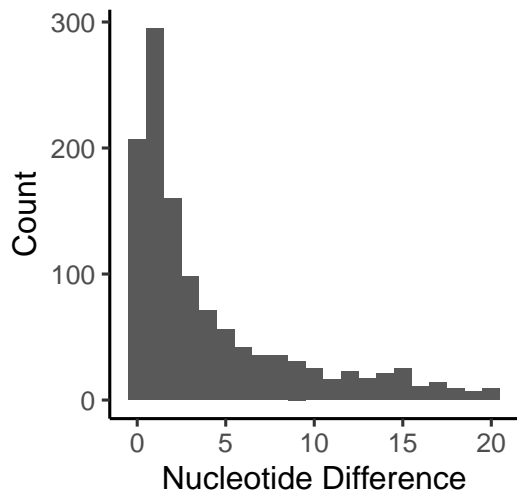
IGHV4–NL_22*01_S2393

884 sequences assigned
122 (13.8%) exact matches, in which:
99 unique CDR3
7 unique J



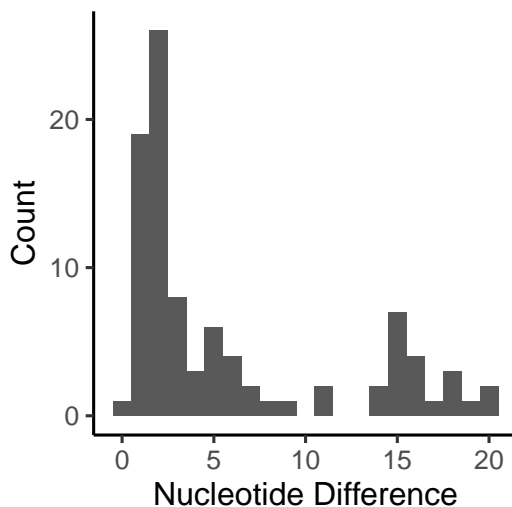
IGHV4–NL_17*01_S6249

1319 sequences assigned
207 (15.7%) exact matches, in which:
180 unique CDR3
7 unique J



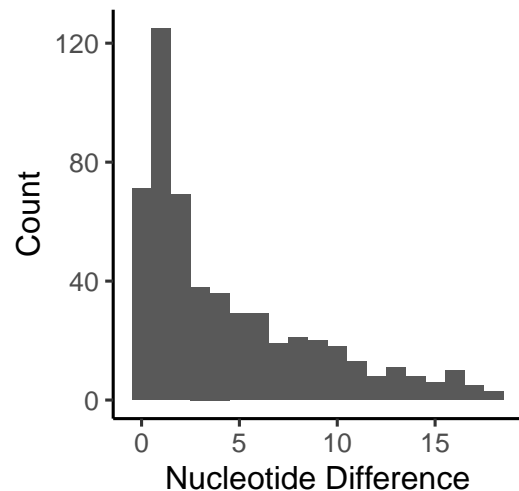
IGHV4–NL_21*01_S5257

93 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



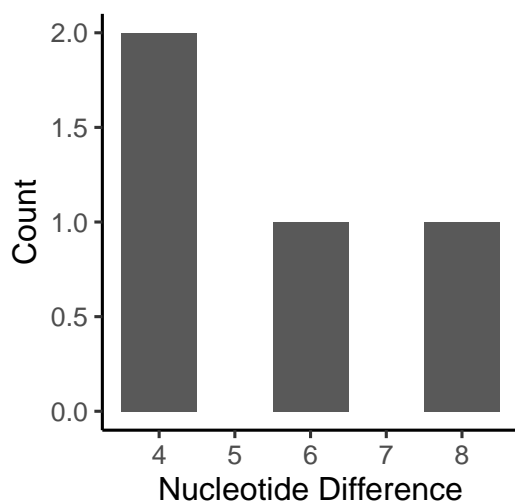
IGHV4–NL_22*01_S4706

544 sequences assigned
71 (13.1%) exact matches, in which:
67 unique CDR3
7 unique J



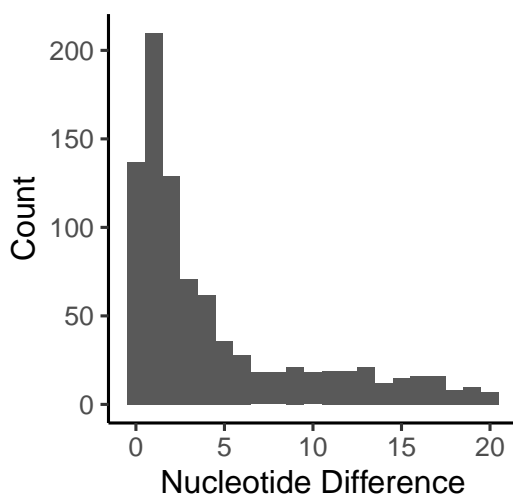
IGHV4-NL_24*01_S5697

4 sequences assigned
No exact matches.



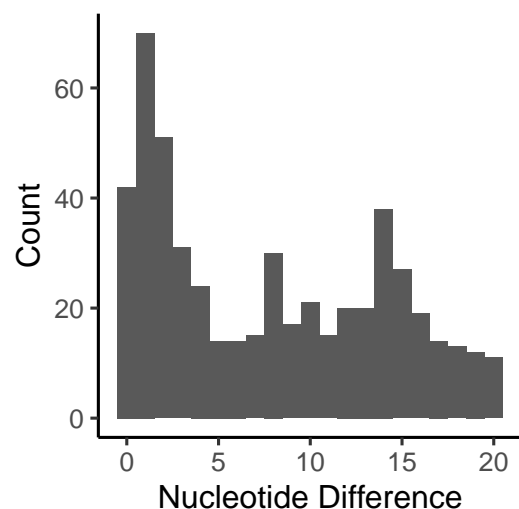
IGHV4-NL_27*01_S1515

955 sequences assigned
137 (14.3%) exact matches, in which:
122 unique CDR3
7 unique J



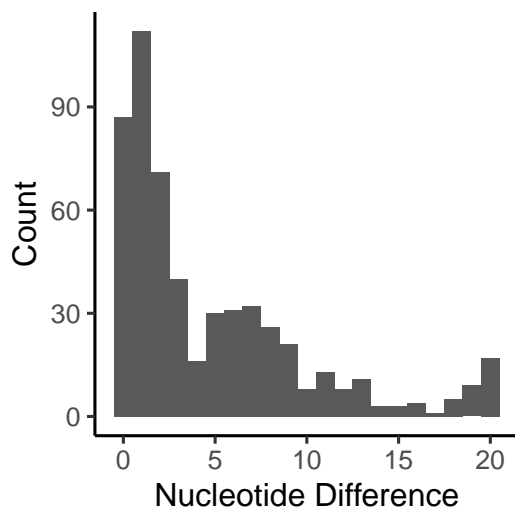
IGHV4-NL_28*01_S0629

582 sequences assigned
42 (7.2%) exact matches, in which:
36 unique CDR3
6 unique J



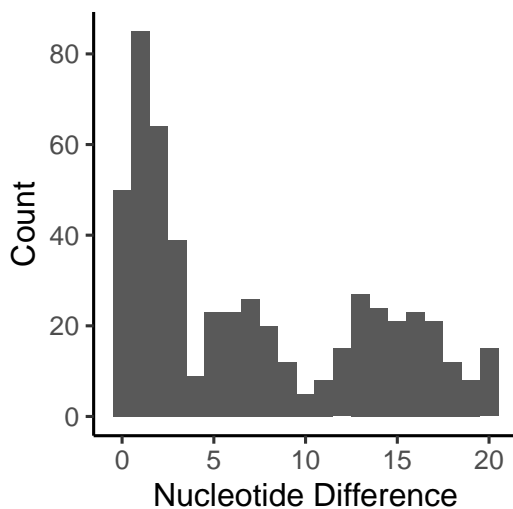
IGHV4-NL_25*01_S1514

761 sequences assigned
87 (11.4%) exact matches, in which:
80 unique CDR3
7 unique J



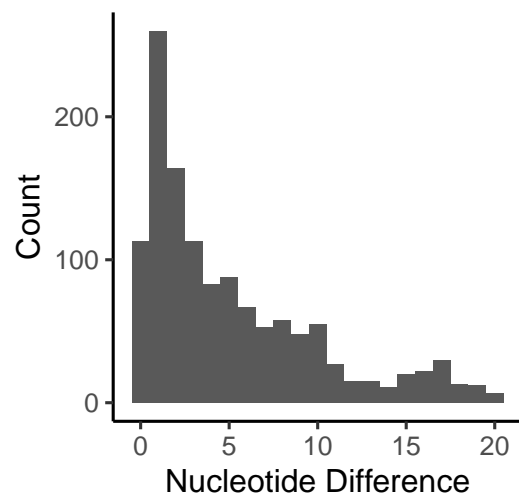
IGHV4-NL_27*01_S5217

559 sequences assigned
50 (8.9%) exact matches, in which:
40 unique CDR3
7 unique J



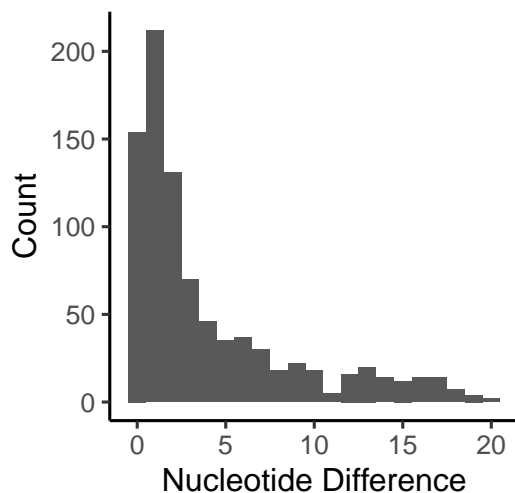
IGHV4-NL_28*01_S1005

1314 sequences assigned
113 (8.6%) exact matches, in which:
100 unique CDR3
6 unique J



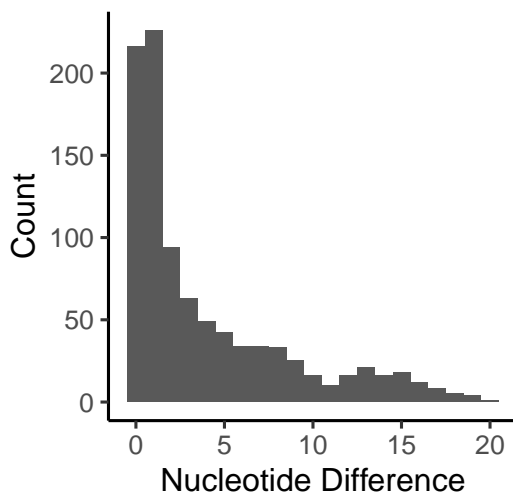
IGHV4-NL_27*01_S0482

947 sequences assigned
154 (16.3%) exact matches, in which:
136 unique CDR3
7 unique J



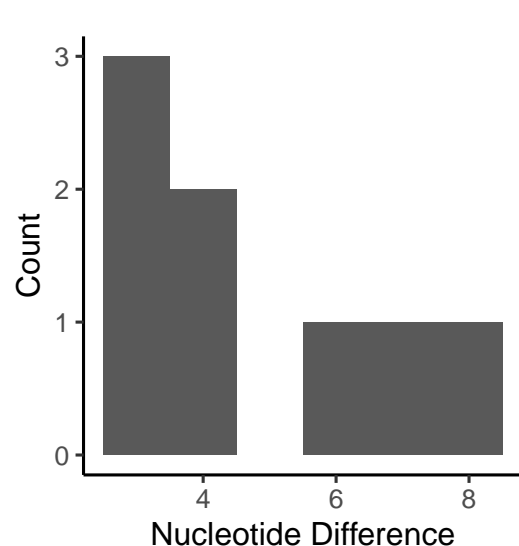
IGHV4-NL_27*01_S6960

1065 sequences assigned
216 (20.3%) exact matches, in which:
186 unique CDR3
7 unique J



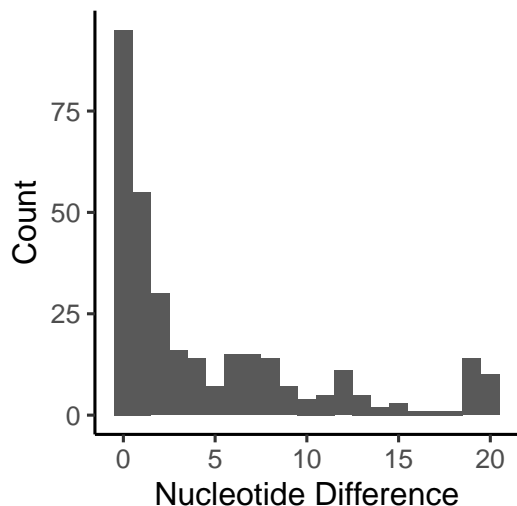
IGHV4-NL_3*01_S5200

8 sequences assigned
No exact matches.



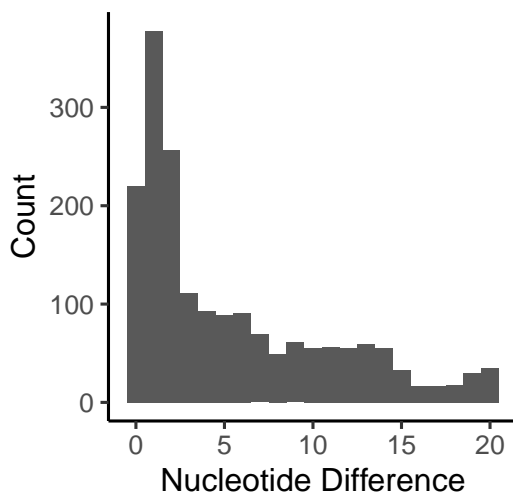
IGHV4–NL_30*01_S1240

335 sequences assigned
95 (28.4%) exact matches, in which:
80 unique CDR3
7 unique J



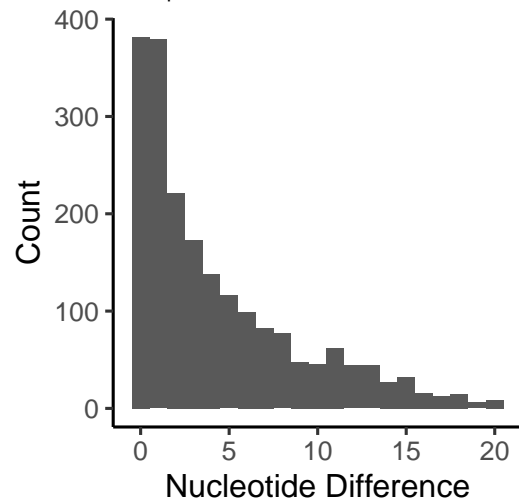
IGHV4–NL_33*01_S9333

1977 sequences assigned
220 (11.1%) exact matches, in which:
184 unique CDR3
7 unique J



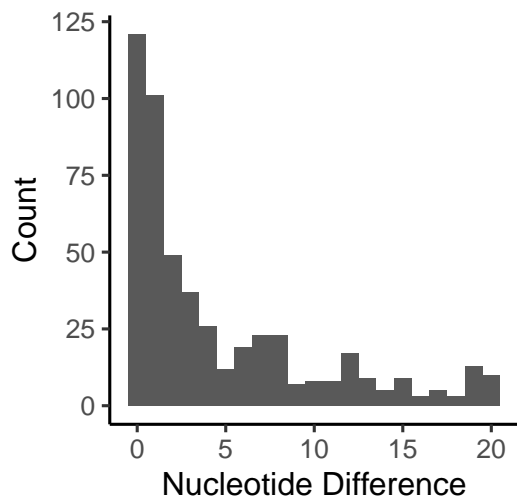
IGHV4–NL_37*01_S0997

2059 sequences assigned
382 (18.6%) exact matches, in which:
303 unique CDR3
8 unique J



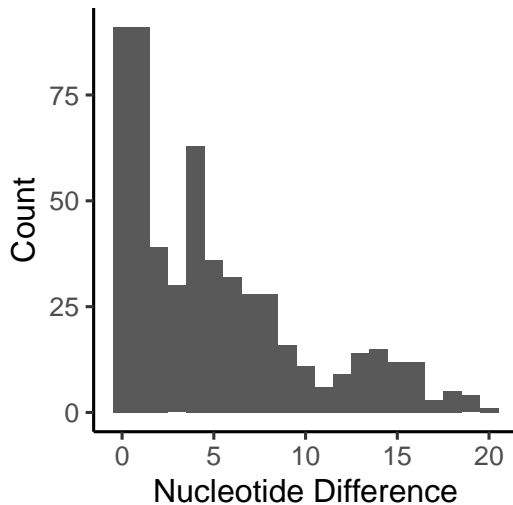
IGHV4–NL_30*01_S1240

534 sequences assigned
121 (22.7%) exact matches, in which:
107 unique CDR3
7 unique J



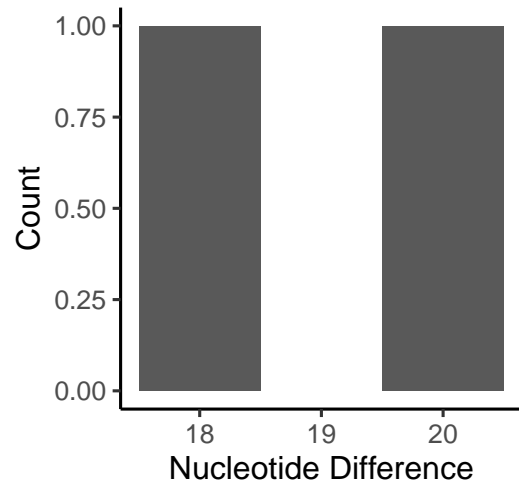
IGHV4–NL_36*01_S1694

573 sequences assigned
91 (15.9%) exact matches, in which:
68 unique CDR3
8 unique J



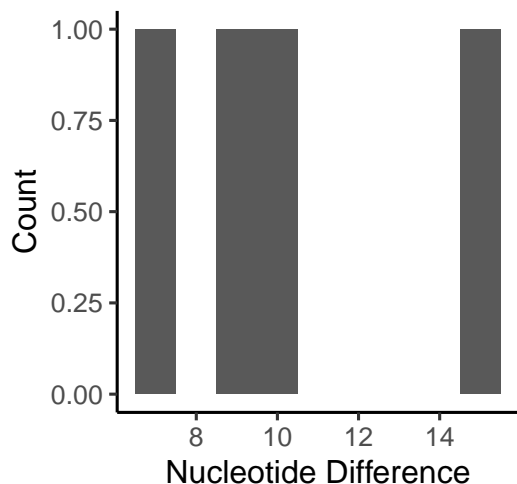
IGHV4–NL_38*01_S9225

2 sequences assigned
No exact matches.



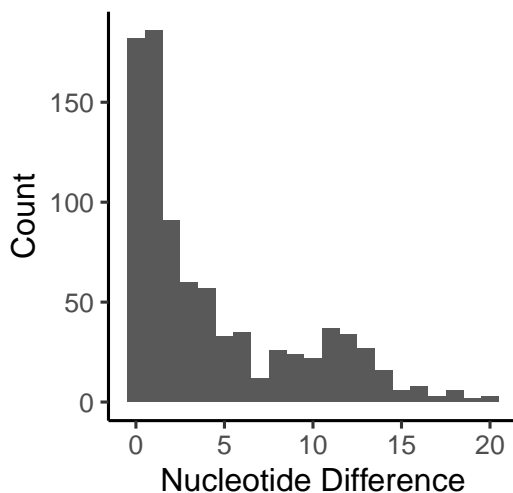
IGHV4–NL_31*01_S7693

4 sequences assigned
No exact matches.



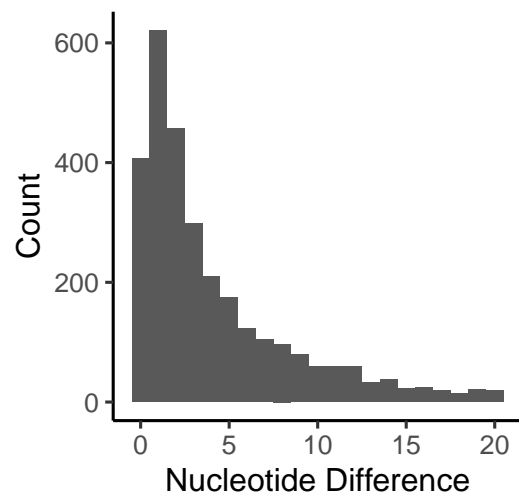
IGHV4–NL_37*01_S0071

883 sequences assigned
182 (20.6%) exact matches, in which:
146 unique CDR3
8 unique J



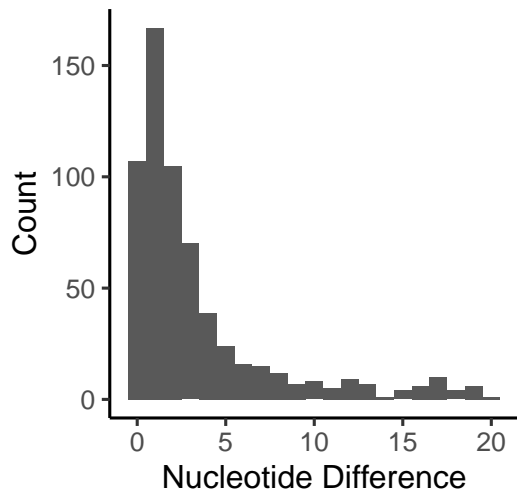
IGHV4–NL_40*01_S9020

3020 sequences assigned
407 (13.5%) exact matches, in which:
346 unique CDR3
8 unique J



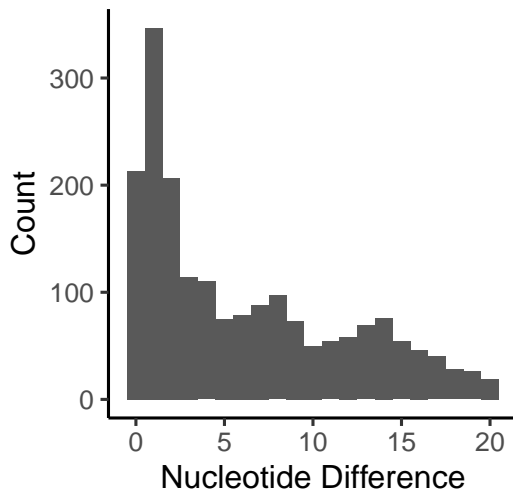
IGHV4–NL_41*01_S4457

632 sequences assigned
107 (16.9%) exact matches, in which:
84 unique CDR3
7 unique J



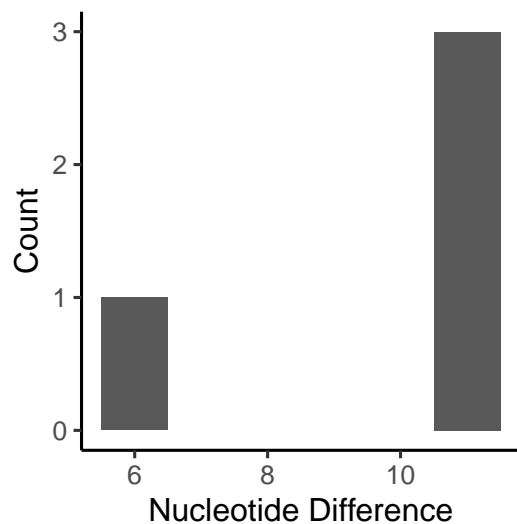
IGHV4–NL_5*01_S0908

2064 sequences assigned
213 (10.3%) exact matches, in which:
182 unique CDR3
7 unique J



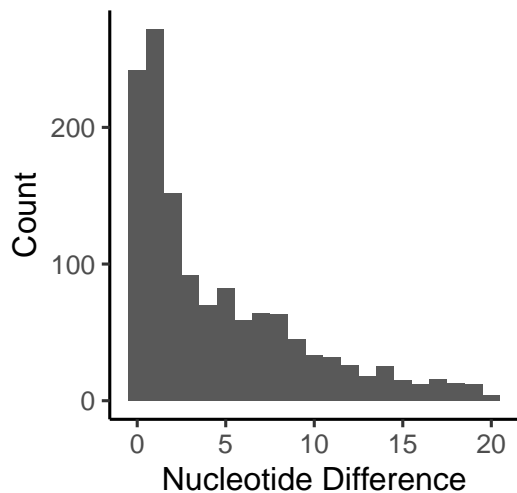
IGHV4–NL_9*01_S2406

4 sequences assigned
No exact matches.



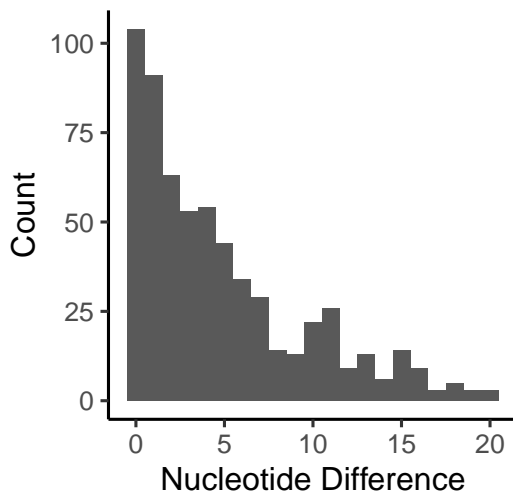
IGHV4–NL_42*01_S8550

1358 sequences assigned
242 (17.8%) exact matches, in which:
189 unique CDR3
6 unique J



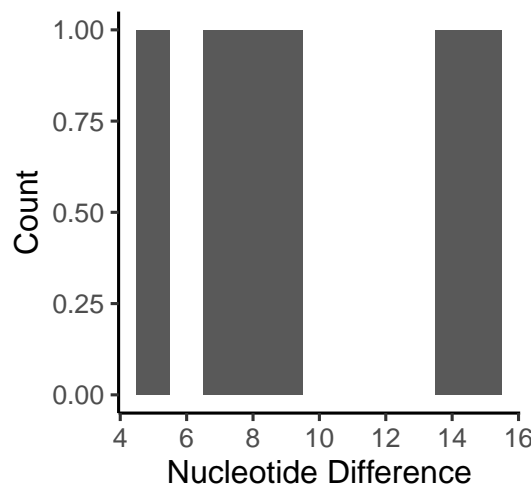
IGHV4–NL_5*01_S6337

626 sequences assigned
104 (16.6%) exact matches, in which:
91 unique CDR3
7 unique J



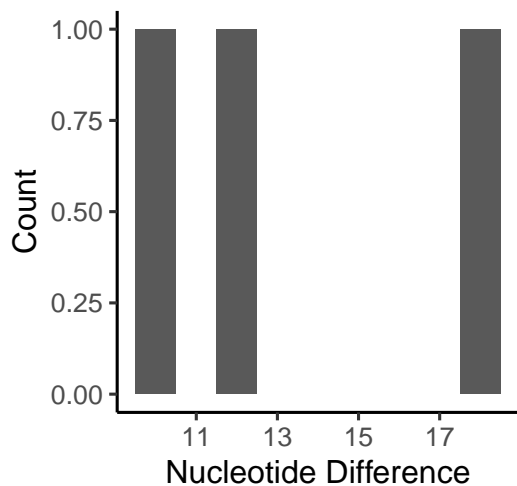
IGHV4–NL_9*01_S6608

7 sequences assigned
No exact matches.



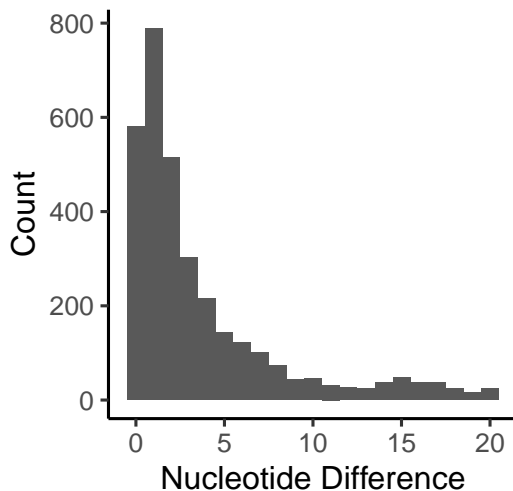
IGHV4–NL_43*01_S3820

3 sequences assigned
No exact matches.



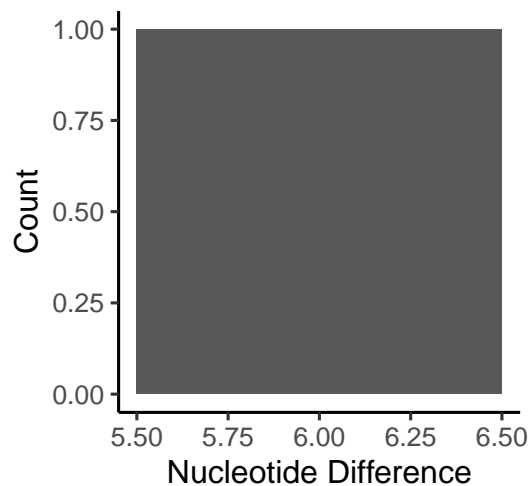
IGHV4–NL_5*01_S6960

3345 sequences assigned
580 (17.3%) exact matches, in which:
485 unique CDR3
8 unique J



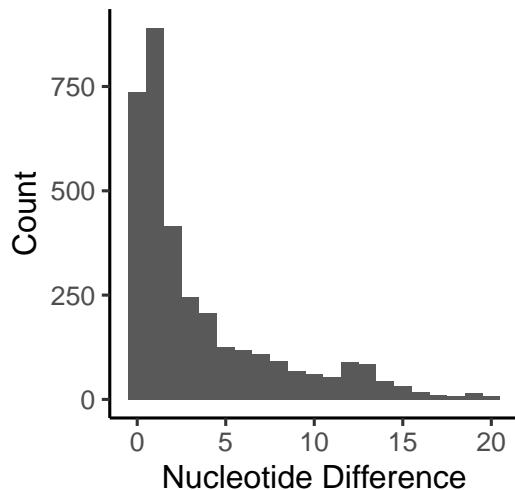
IGHV4–NL_9*02_S2874

1 sequences assigned
No exact matches.



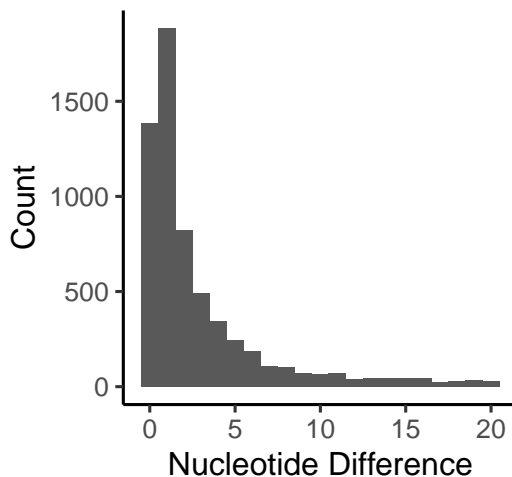
IGHV5-15*01_S8661

3458 sequences assigned
736 (21.3%) exact matches, in which:
489 unique CDR3
9 unique J



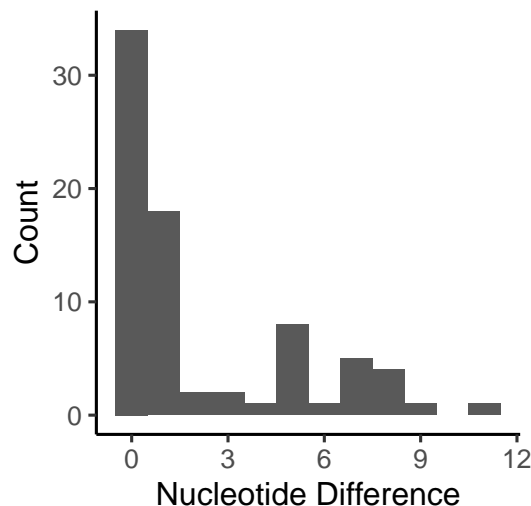
IGHV5-NL_1*02_S5699

6164 sequences assigned
1384 (22.5%) exact matches, in which:
851 unique CDR3
10 unique J



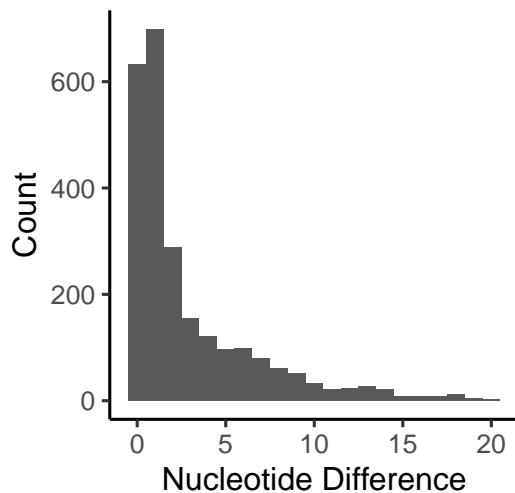
IGHV6-1*02_S6792

77 sequences assigned
34 (44.2%) exact matches, in which:
18 unique CDR3
4 unique J



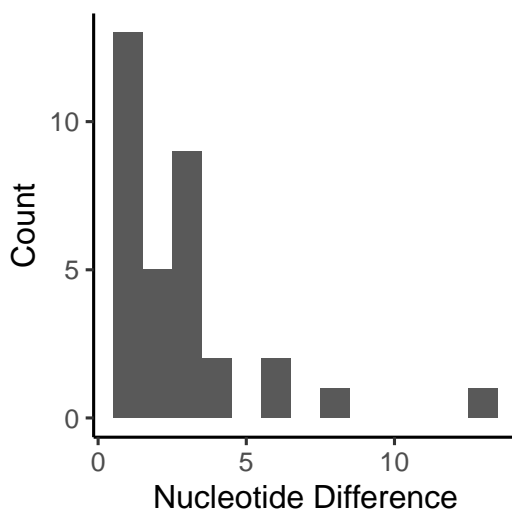
IGHV5-157*01_S5362

2467 sequences assigned
633 (25.7%) exact matches, in which:
361 unique CDR3
8 unique J



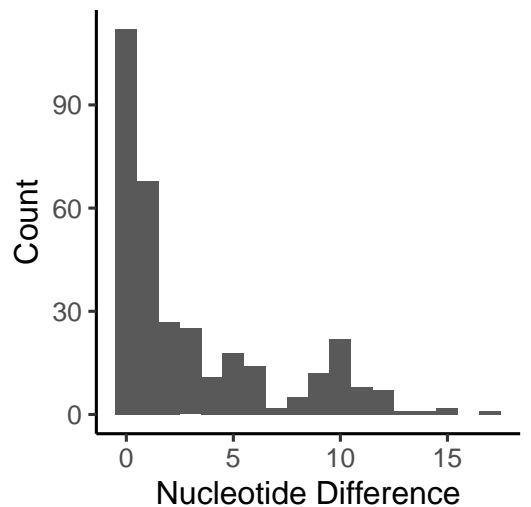
IGHV6-1*01_S5053

33 sequences assigned
No exact matches.



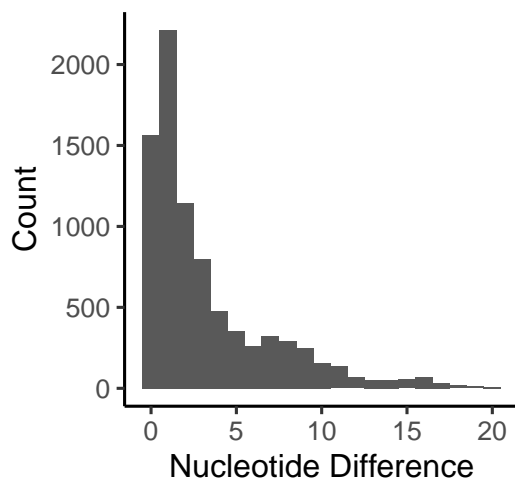
IGHV7-86*01_S5062

341 sequences assigned
112 (32.8%) exact matches, in which:
61 unique CDR3
7 unique J



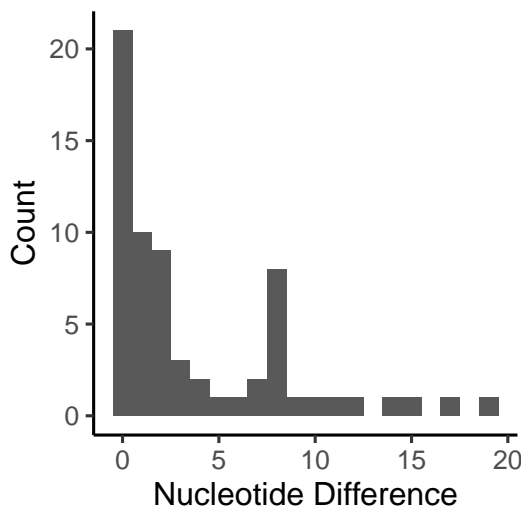
IGHV5-157*02_S3096

8363 sequences assigned
1564 (18.7%) exact matches, in which:
895 unique CDR3
10 unique J



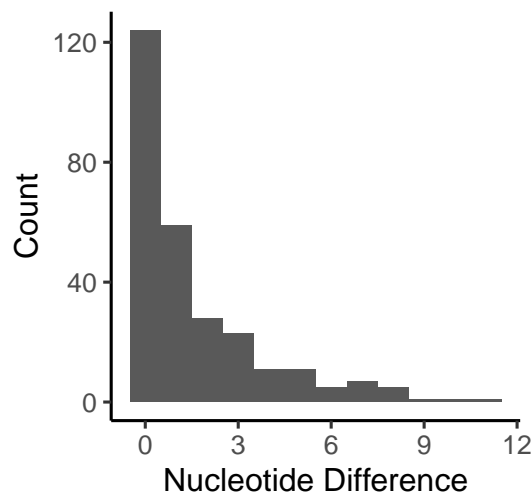
IGHV6-1*02_G227A_G28

65 sequences assigned
21 (32.3%) exact matches, in which:
16 unique CDR3
4 unique J



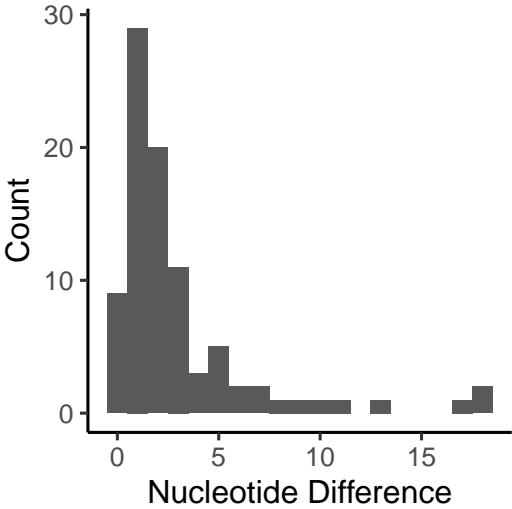
IGHV7-86*02_S1706

276 sequences assigned
124 (44.9%) exact matches, in which:
83 unique CDR3
6 unique J

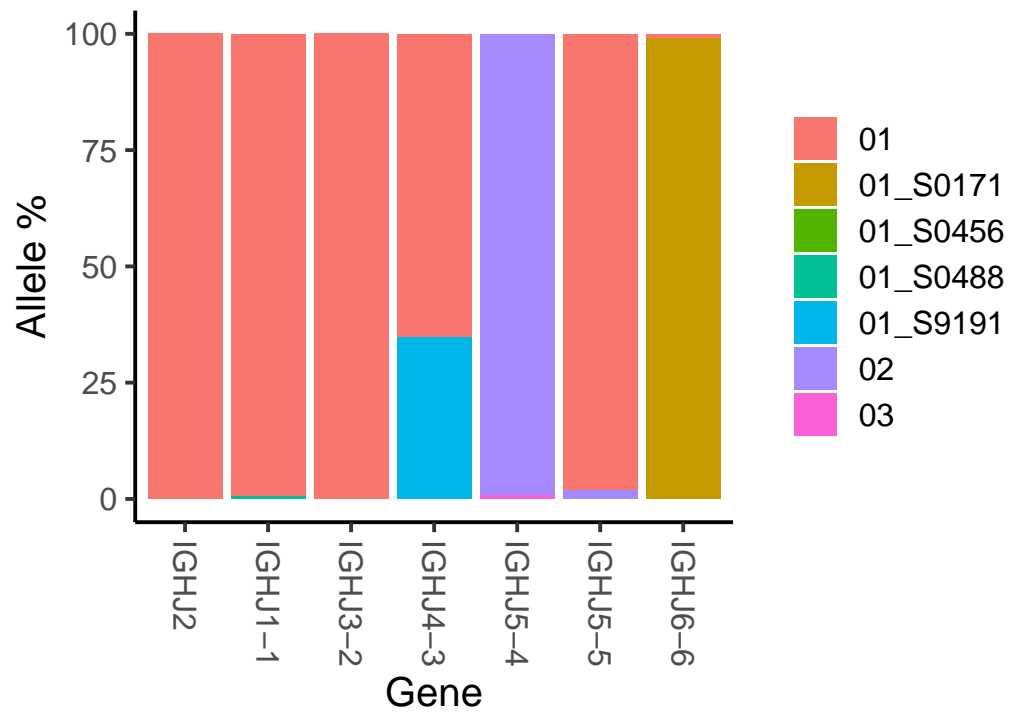


IGHV7-135*01_S9086

89 sequences assigned
9 (10.1%) exact matches, in which:
6 unique CDR3
4 unique J



Allele Usage



Sequence Count by IGHJ4-3 allele usage



Warning – no inferred sequences found.