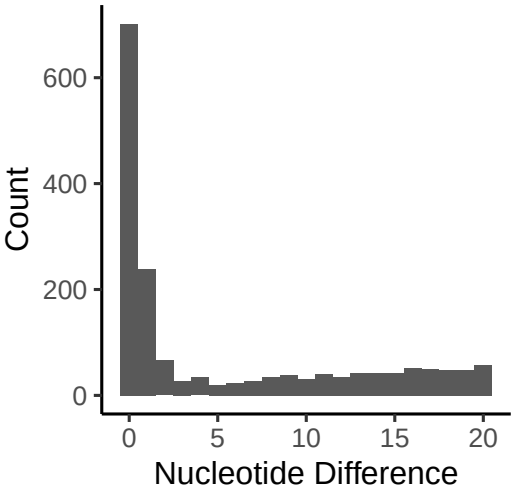
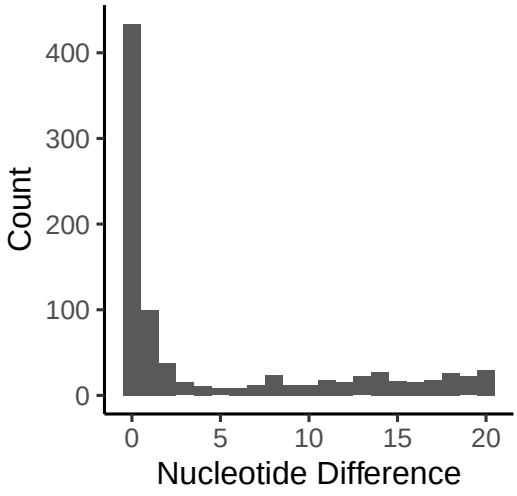
IGHV1−2*02

3600 sequences assigned
702 (19.5%) exact matches, in which:
684 unique CDR3
6 unique J



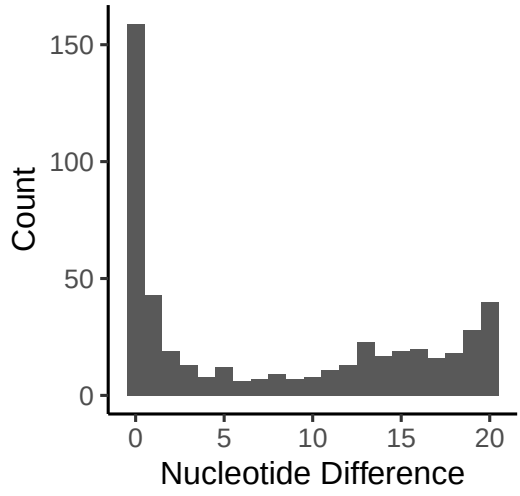
IGHV1−18*01

1575 sequences assigned
434 (27.6%) exact matches, in which:
426 unique CDR3
6 unique J



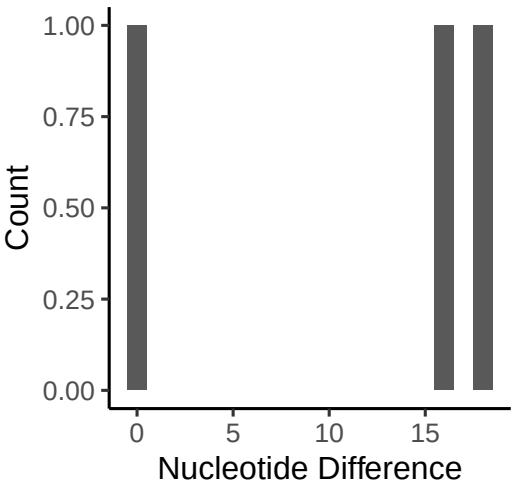
IGHV1−46*01

959 sequences assigned
159 (16.6%) exact matches, in which:
154 unique CDR3
5 unique J



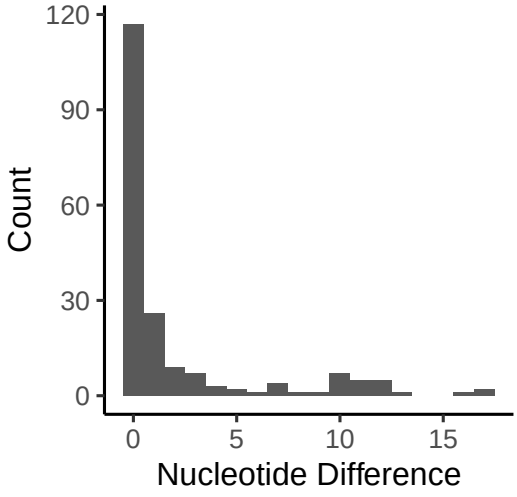
IGHV1−3*02

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



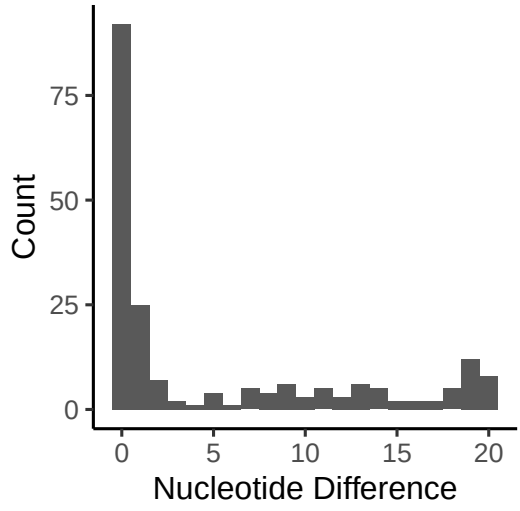
IGHV1−24*01

226 sequences assigned
117 (51.8%) exact matches, in which:
114 unique CDR3
6 unique J



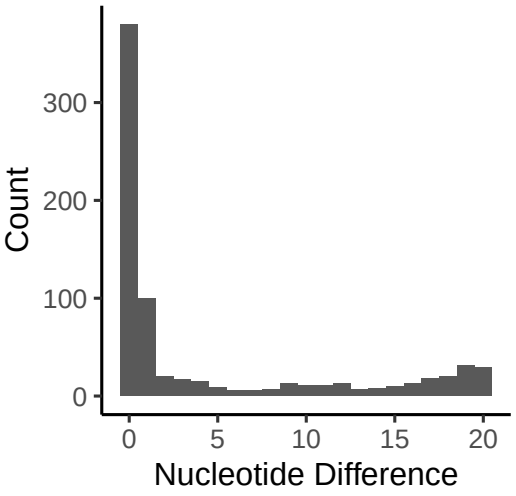
IGHV1−46*03

262 sequences assigned
92 (35.1%) exact matches, in which:
89 unique CDR3
5 unique J



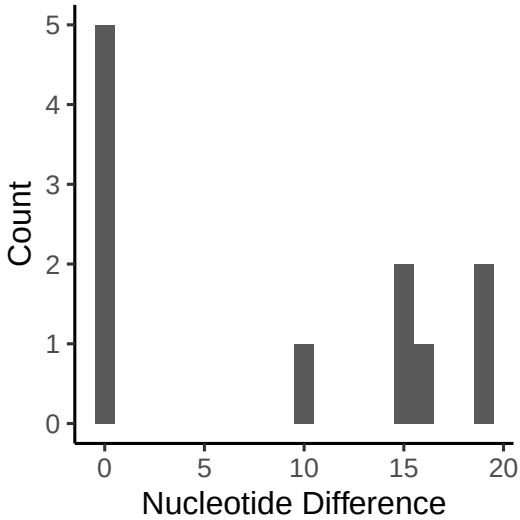
IGHV1−8*01

1406 sequences assigned
380 (27%) exact matches, in which:
373 unique CDR3
5 unique J



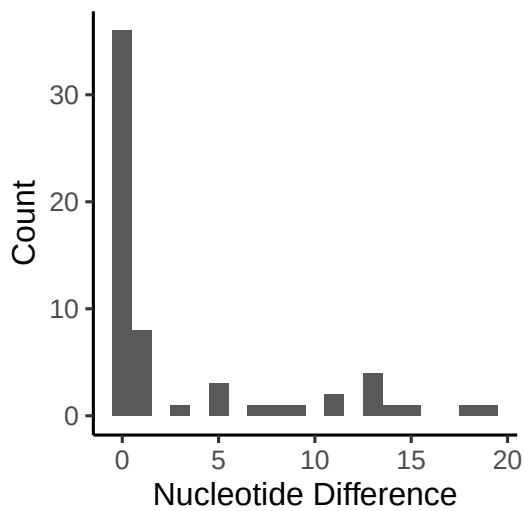
IGHV1−45*02

14 sequences assigned
5 (35.7%) exact matches, in which:
5 unique CDR3
3 unique J



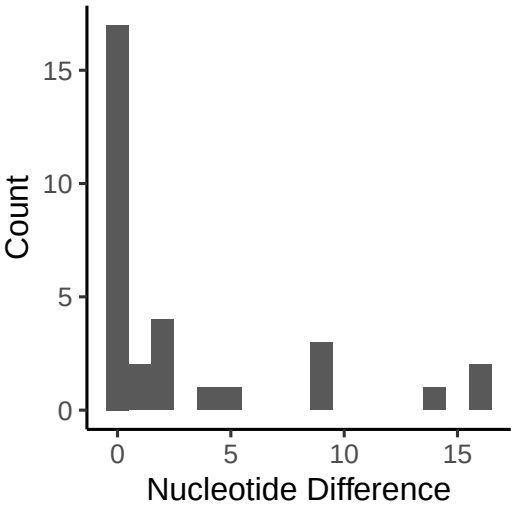
IGHV1−58*01

82 sequences assigned
36 (43.9%) exact matches, in which:
35 unique CDR3
4 unique J



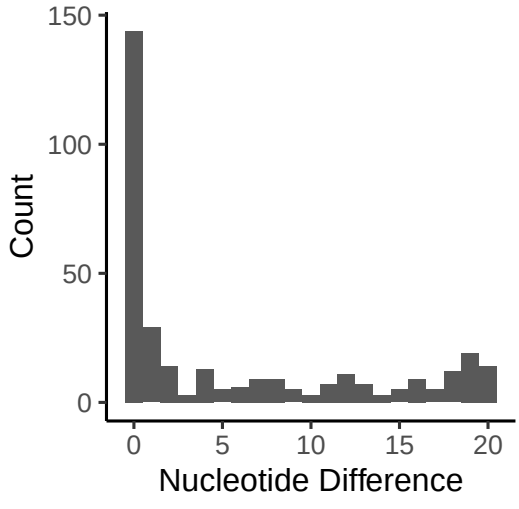
IGHV1−58*02

37 sequences assigned
17 (45.9%) exact matches, in which:
16 unique CDR3
4 unique J



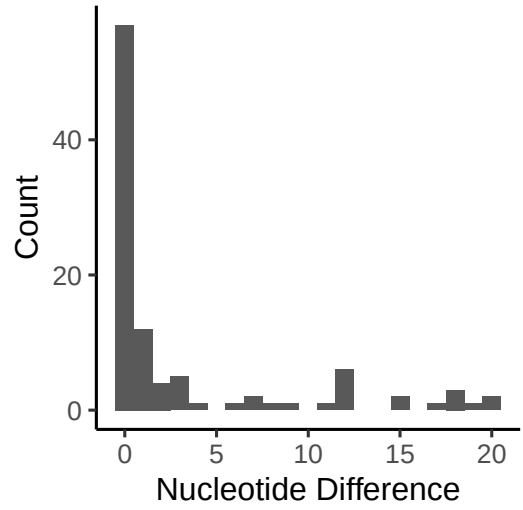
IGHV2−5*01

443 sequences assigned
144 (32.5%) exact matches, in which:
142 unique CDR3
5 unique J



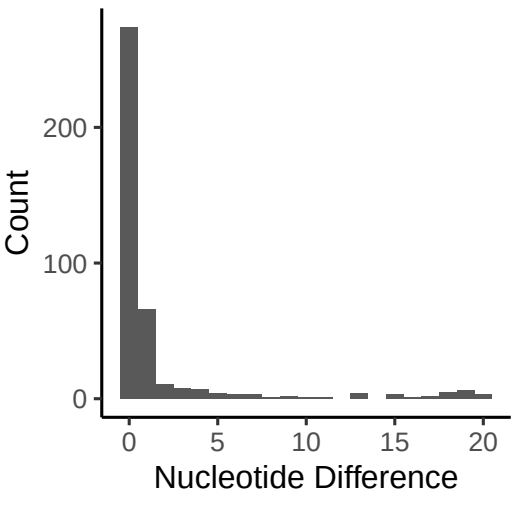
IGHV2−70*01

121 sequences assigned
57 (47.1%) exact matches, in which:
56 unique CDR3
4 unique J



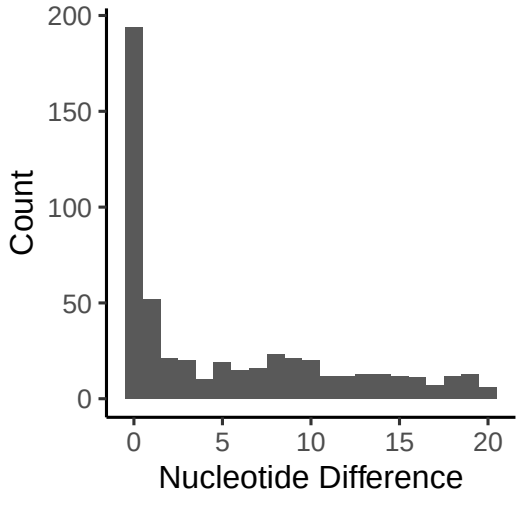
IGHV1−69*04

556 sequences assigned
274 (49.3%) exact matches, in which:
266 unique CDR3
6 unique J



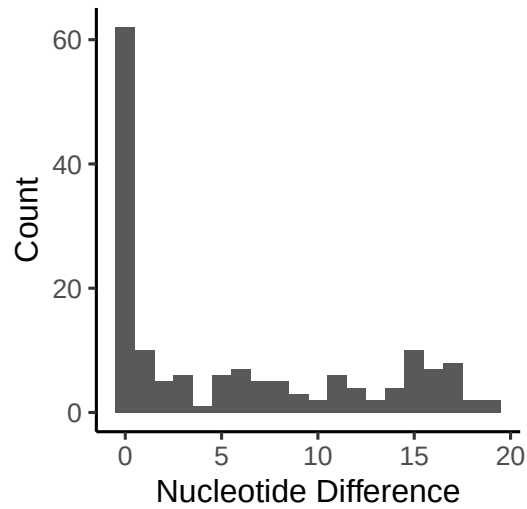
IGHV2−5*02

765 sequences assigned
194 (25.4%) exact matches, in which:
193 unique CDR3
6 unique J



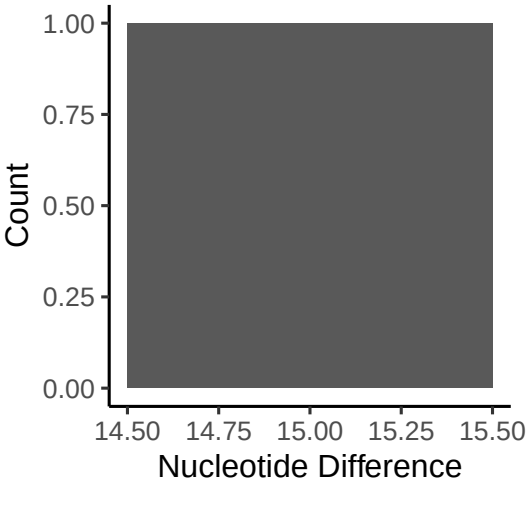
IGHV2−70*15

187 sequences assigned
62 (33.2%) exact matches, in which:
62 unique CDR3
4 unique J



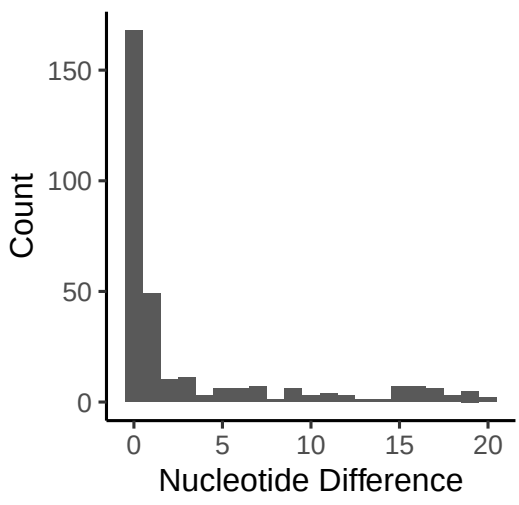
IGHV1−NL1*01

1 sequences assigned
No exact matches.



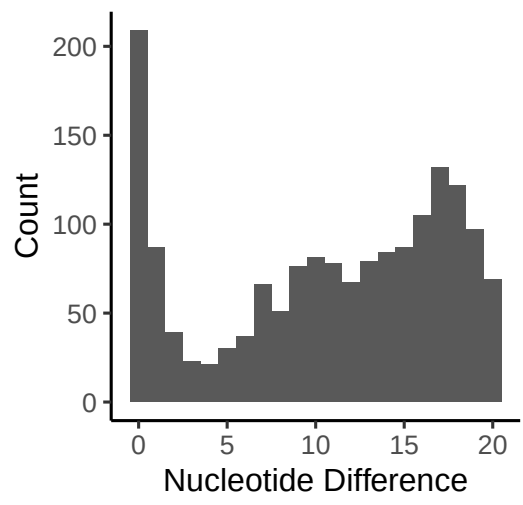
IGHV2−26*01

364 sequences assigned
168 (46.2%) exact matches, in which:
166 unique CDR3
6 unique J



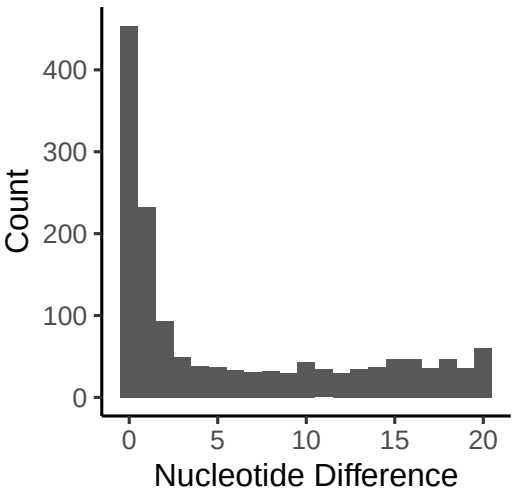
IGHV3−7*01

4004 sequences assigned
209 (5.2%) exact matches, in which:
196 unique CDR3
6 unique J



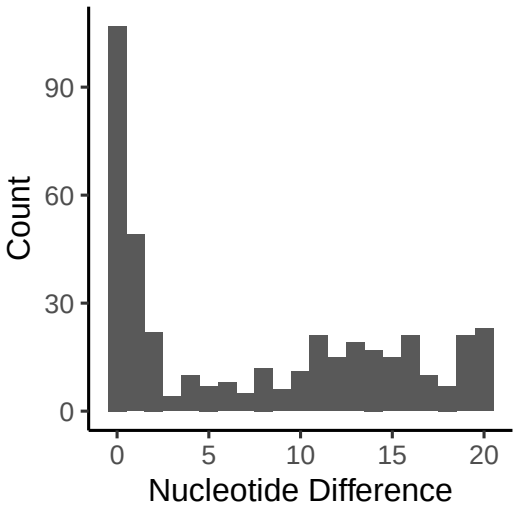
IGHV3−9*01

2409 sequences assigned
454 (18.8%) exact matches, in which:
433 unique CDR3
6 unique J



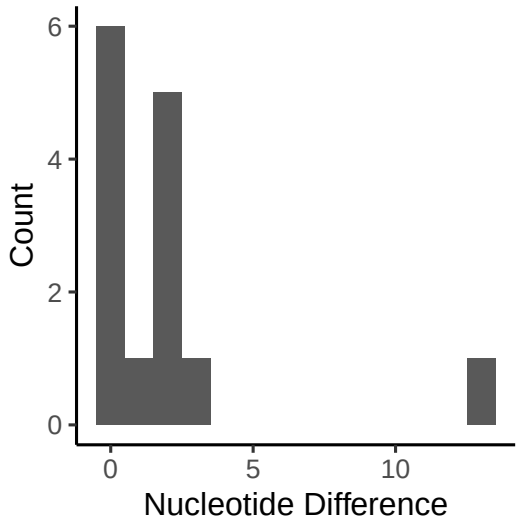
IGHV3−15*01

754 sequences assigned
107 (14.2%) exact matches, in which:
95 unique CDR3
4 unique J



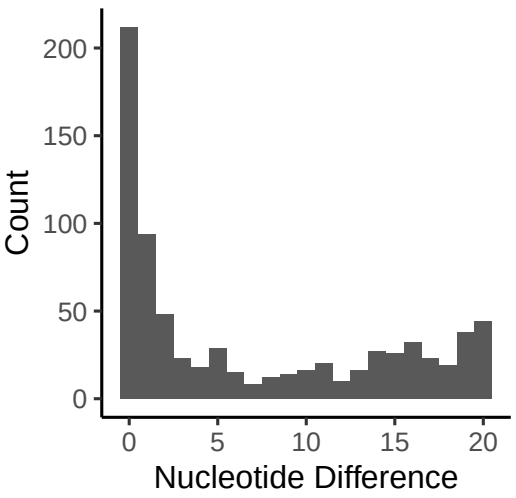
IGHV3−20*04

22 sequences assigned
6 (27.3%) exact matches, in which:
6 unique CDR3
2 unique J



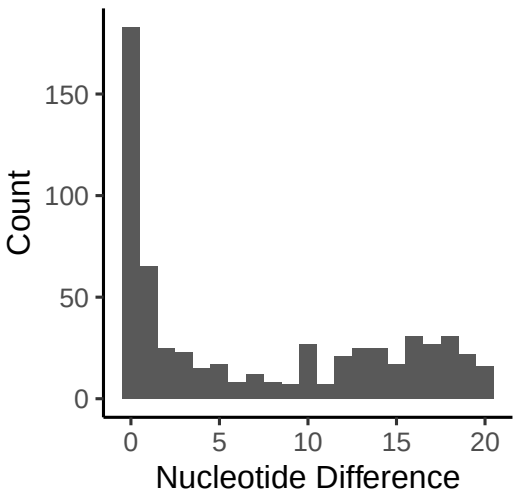
IGHV3−11*01

1129 sequences assigned
212 (18.8%) exact matches, in which:
194 unique CDR3
6 unique J



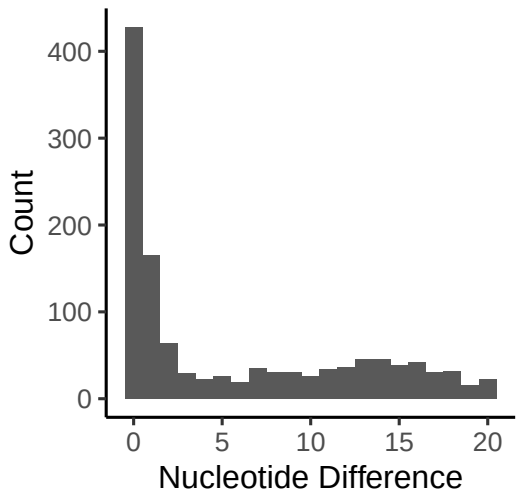
IGHV3−15*07

1295 sequences assigned
183 (14.1%) exact matches, in which:
180 unique CDR3
6 unique J



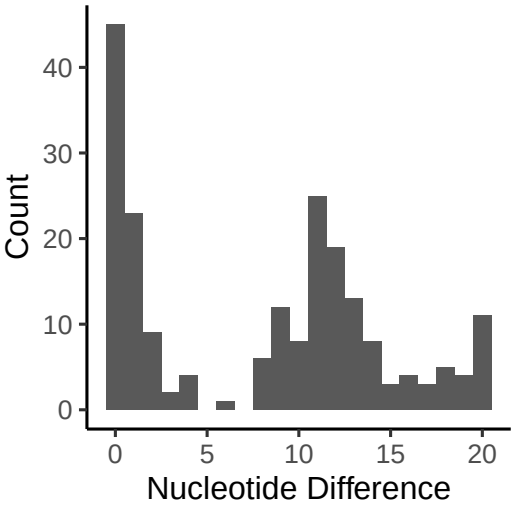
IGHV3−21*01

1780 sequences assigned
428 (24%) exact matches, in which:
404 unique CDR3
6 unique J



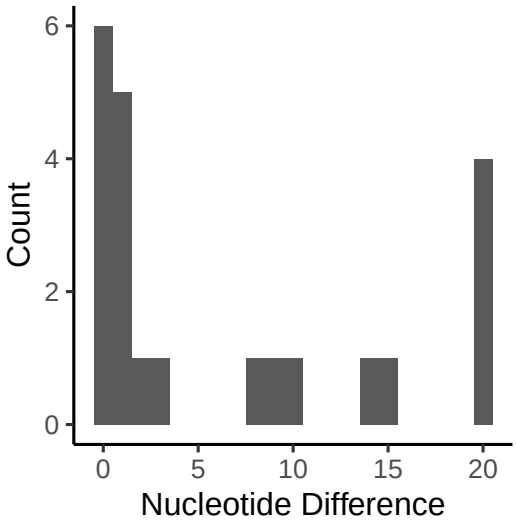
IGHV3−13*01

312 sequences assigned
45 (14.4%) exact matches, in which:
45 unique CDR3
5 unique J



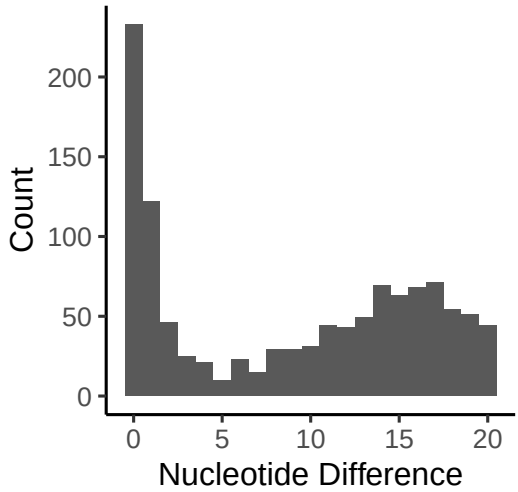
IGHV3−20*01

28 sequences assigned
6 (21.4%) exact matches, in which:
6 unique CDR3
3 unique J



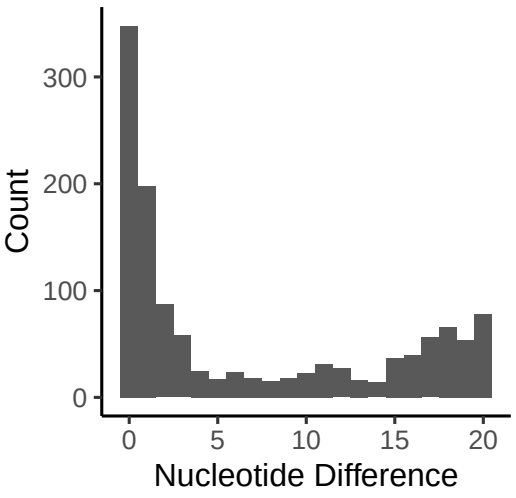
IGHV3−23*04

1689 sequences assigned
233 (13.8%) exact matches, in which:
231 unique CDR3
6 unique J



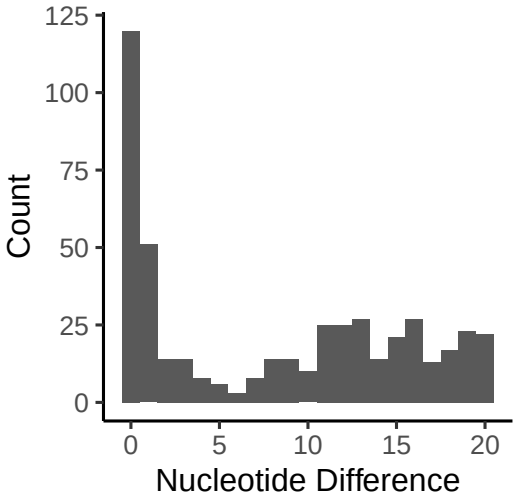
IGHV3−33*01

2273 sequences assigned
348 (15.3%) exact matches, in which:
338 unique CDR3
6 unique J



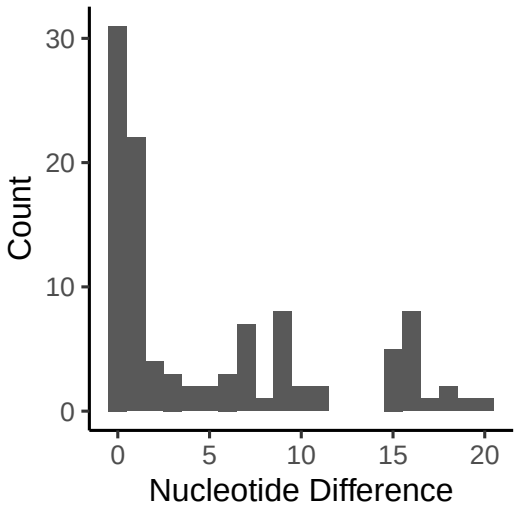
IGHV3−48*01

842 sequences assigned
120 (14.3%) exact matches, in which:
119 unique CDR3
6 unique J



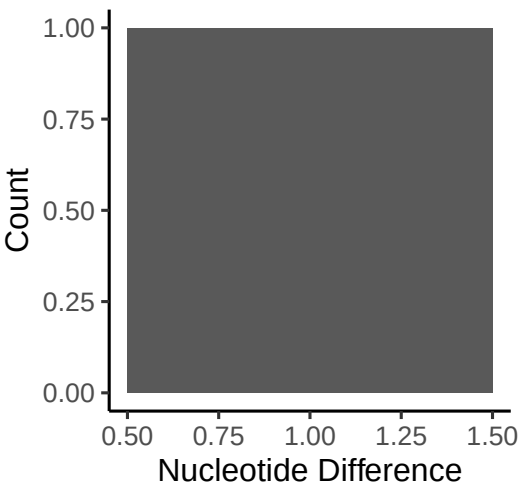
IGHV3−49*05

140 sequences assigned
31 (22.1%) exact matches, in which:
31 unique CDR3
4 unique J



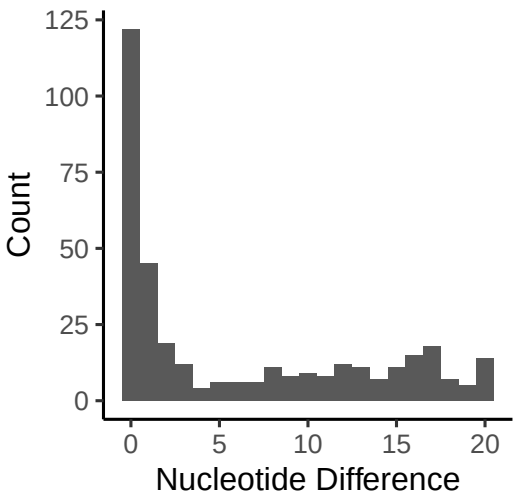
IGHV3−35*01

1 sequences assigned
No exact matches.



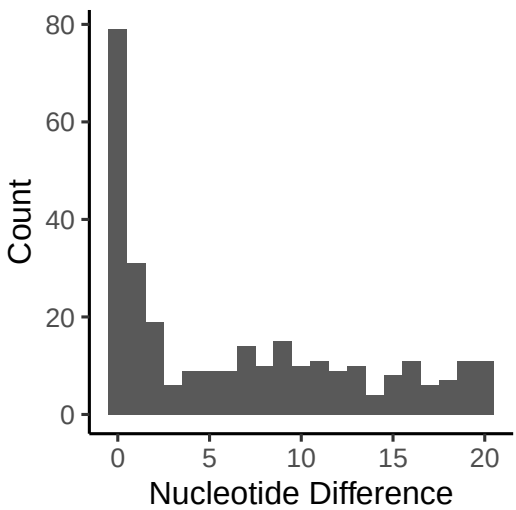
IGHV3−48*02

701 sequences assigned
122 (17.4%) exact matches, in which:
120 unique CDR3
5 unique J



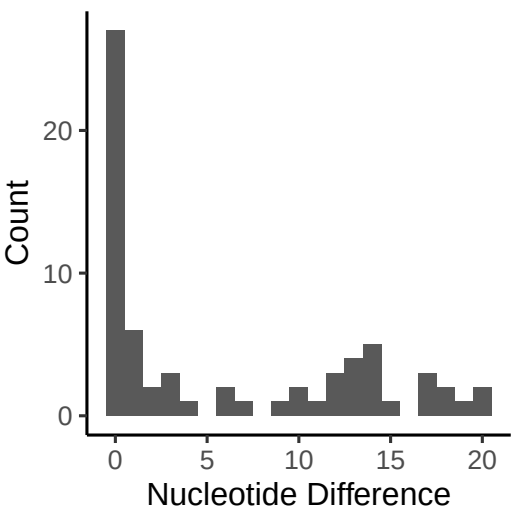
IGHV3−53*01

434 sequences assigned
79 (18.2%) exact matches, in which:
78 unique CDR3
4 unique J



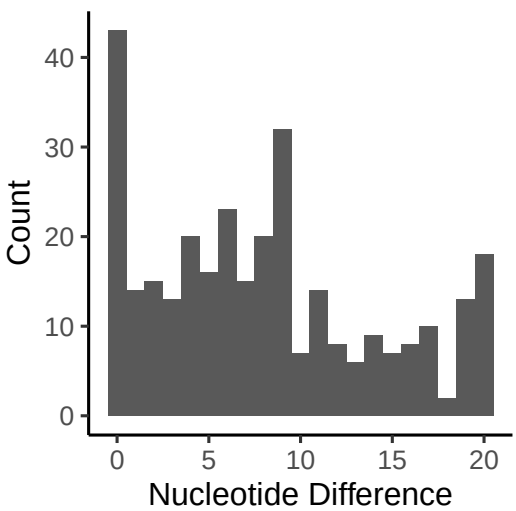
IGHV3−43*01

118 sequences assigned
27 (22.9%) exact matches, in which:
27 unique CDR3
5 unique J



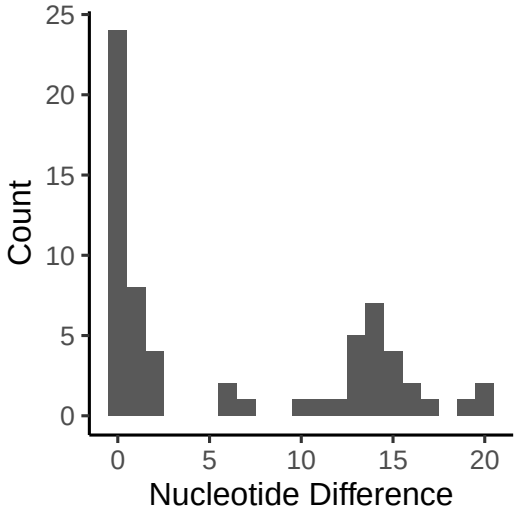
IGHV3−49*03

419 sequences assigned
43 (10.3%) exact matches, in which:
41 unique CDR3
6 unique J



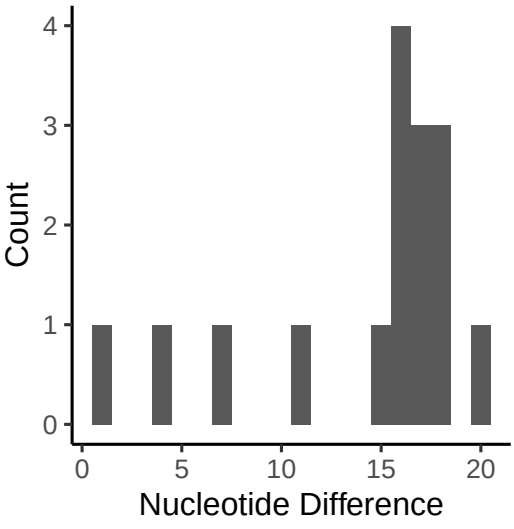
IGHV3−64*01

120 sequences assigned
24 (20%) exact matches, in which:
24 unique CDR3
4 unique J



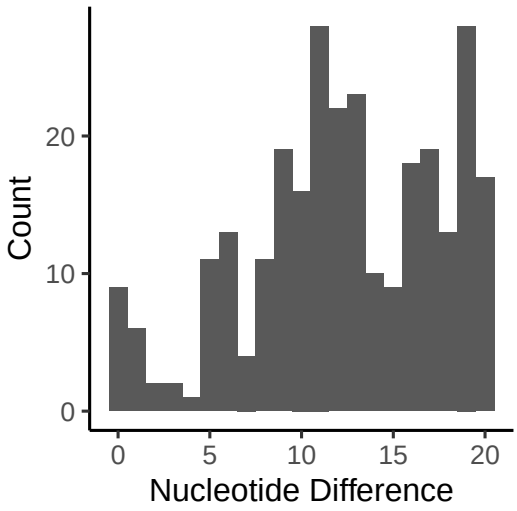
IGHV3−64*07

79 sequences assigned
No exact matches.



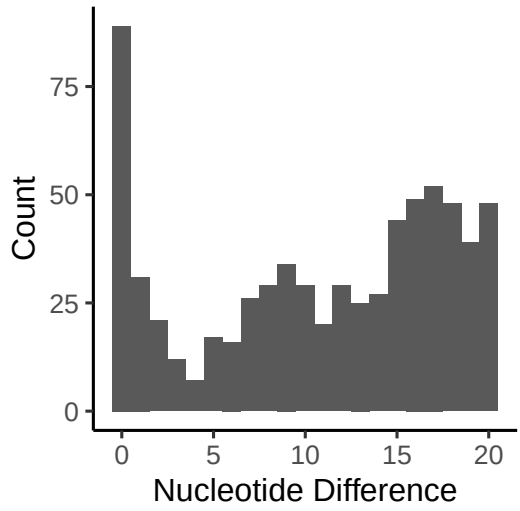
IGHV3−72*01

504 sequences assigned
9 (1.8%) exact matches, in which:
9 unique CDR3
3 unique J



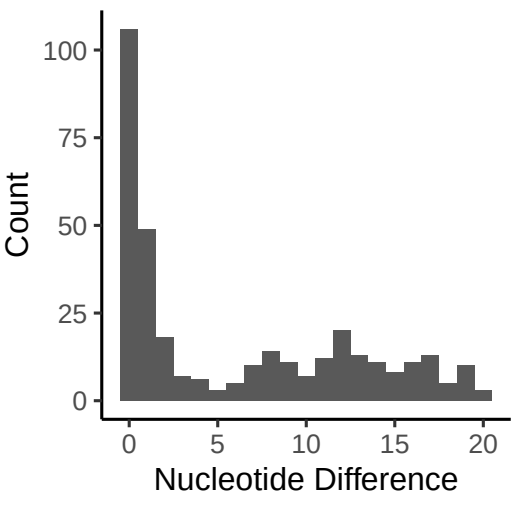
IGHV3−74*01

1306 sequences assigned
89 (6.8%) exact matches, in which:
84 unique CDR3
5 unique J



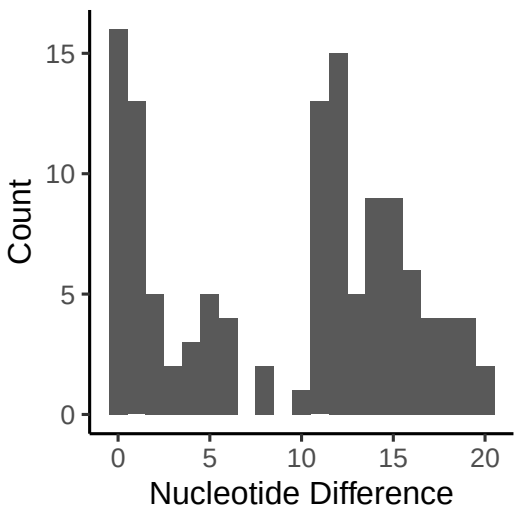
IGHV3−66*01

476 sequences assigned
106 (22.3%) exact matches, in which:
105 unique CDR3
6 unique J



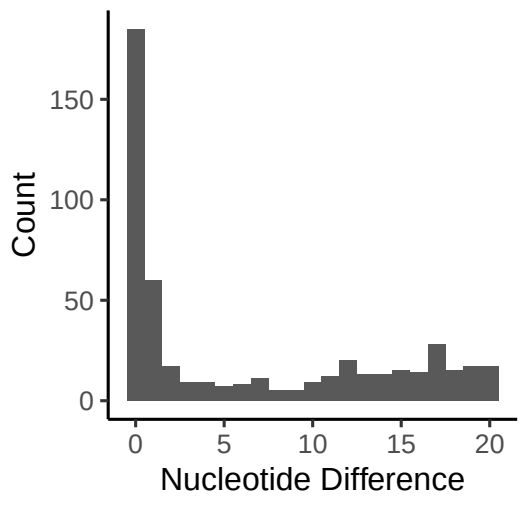
IGHV3−73*01

143 sequences assigned
16 (11.2%) exact matches, in which:
15 unique CDR3
4 unique J



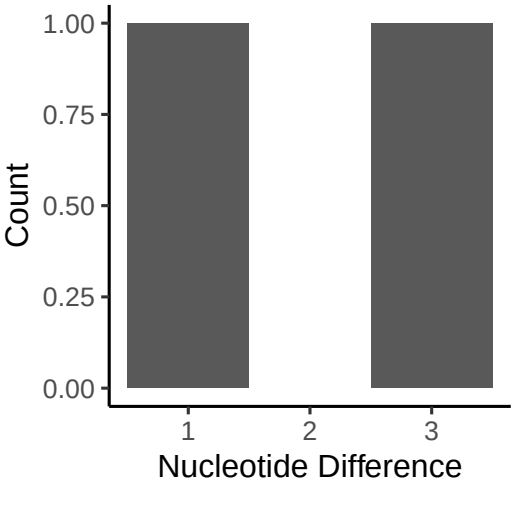
IGHV4−4*07

842 sequences assigned
185 (22%) exact matches, in which:
184 unique CDR3
6 unique J



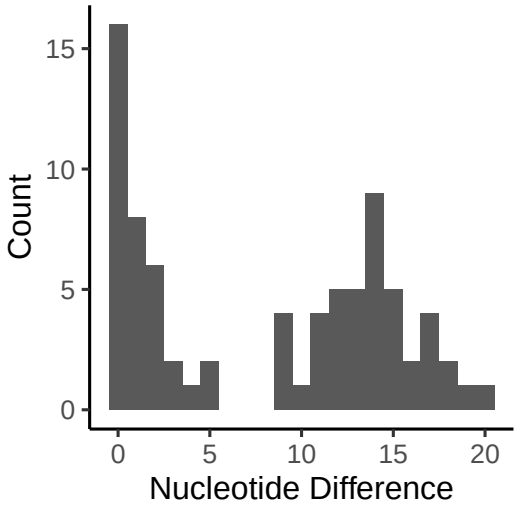
IGHV3−69−1*02

2 sequences assigned
No exact matches.



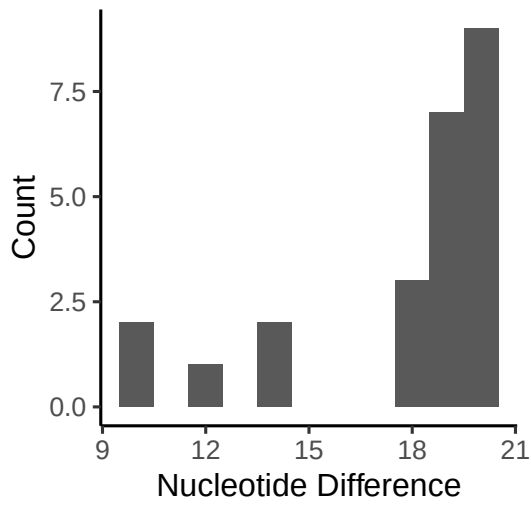
IGHV3−73*02

119 sequences assigned
16 (13.4%) exact matches, in which:
16 unique CDR3
4 unique J



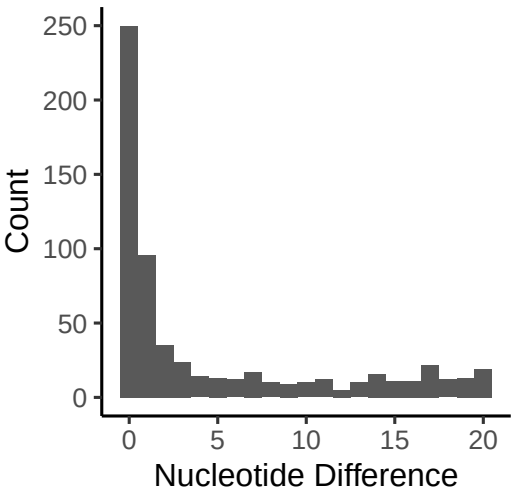
IGHV4−28*01

96 sequences assigned
No exact matches.



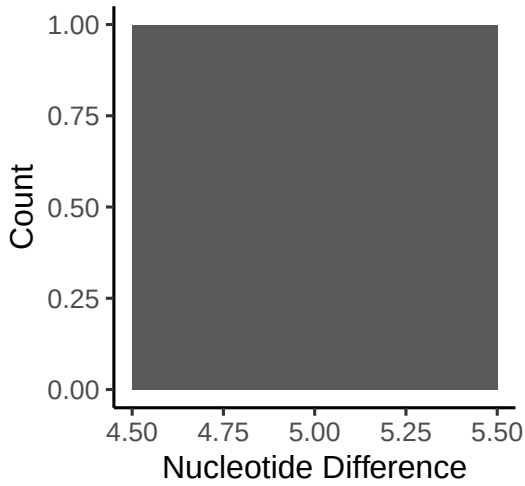
IGHV4−31*03

959 sequences assigned
250 (26.1%) exact matches, in which:
249 unique CDR3
6 unique J



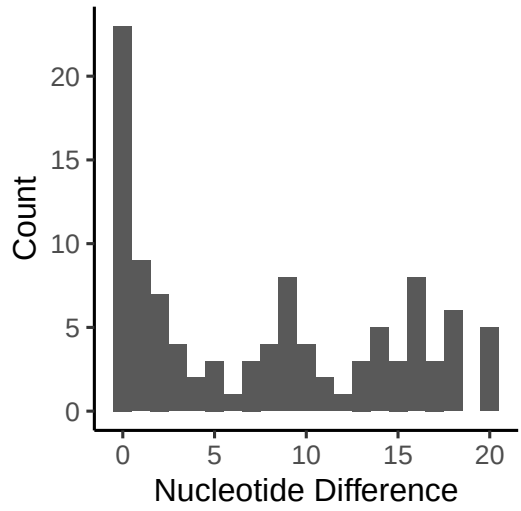
IGHV4−55*08

1 sequences assigned
No exact matches.



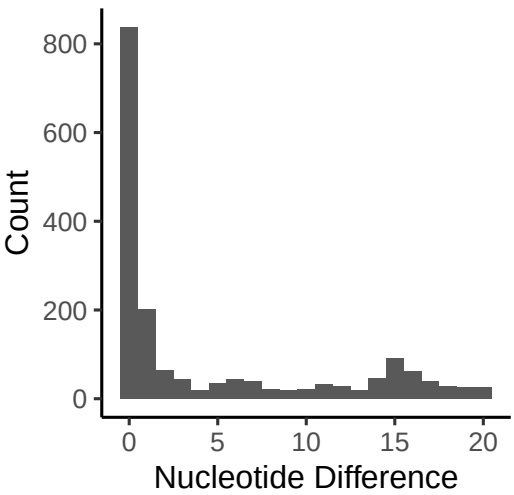
IGHV4−61*01

150 sequences assigned
23 (15.3%) exact matches, in which:
23 unique CDR3
4 unique J



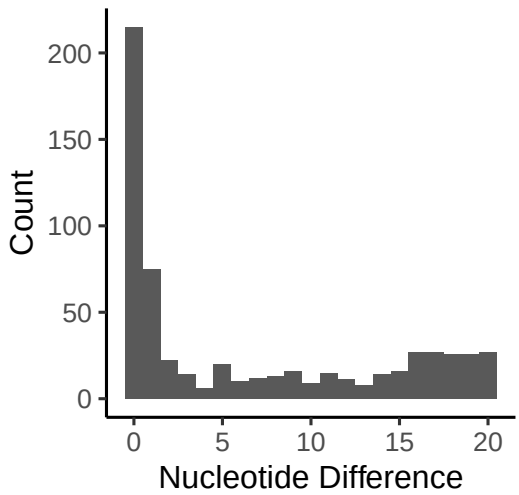
IGHV4−34*01

2271 sequences assigned
838 (36.9%) exact matches, in which:
824 unique CDR3
6 unique J



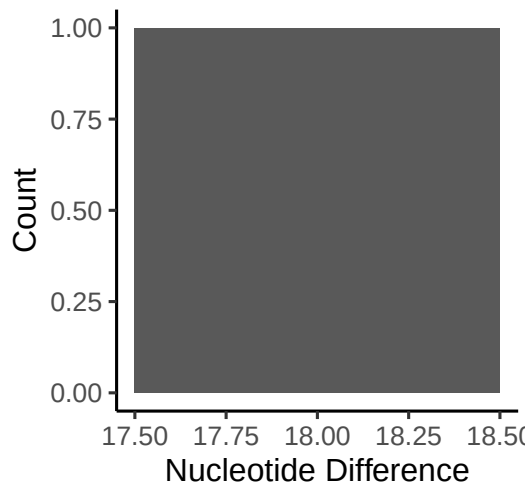
IGHV4−59*01

1088 sequences assigned
215 (19.8%) exact matches, in which:
210 unique CDR3
5 unique J



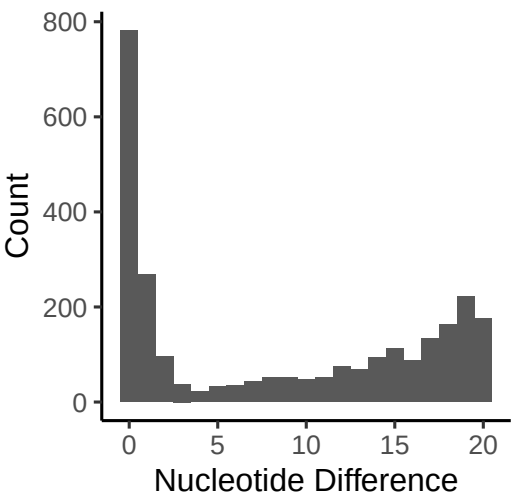
IGHV4/OR15−8*02

2 sequences assigned
No exact matches.



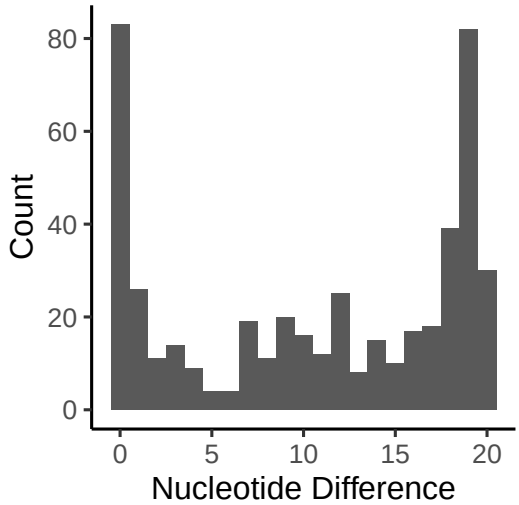
IGHV4−39*01

5576 sequences assigned
782 (14%) exact matches, in which:
763 unique CDR3
6 unique J



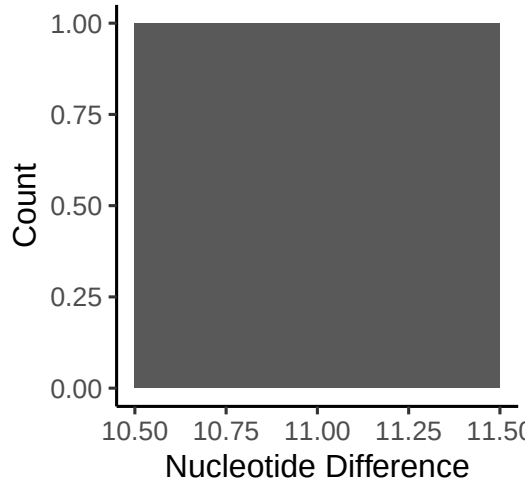
IGHV4−59*08

865 sequences assigned
83 (9.6%) exact matches, in which:
81 unique CDR3
5 unique J



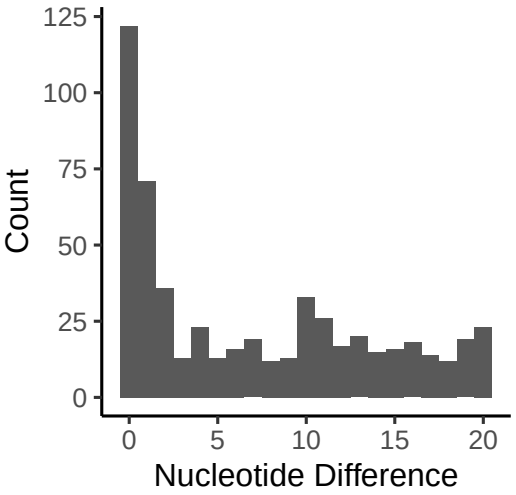
IGHV1/OR15−9*01

2 sequences assigned
No exact matches.



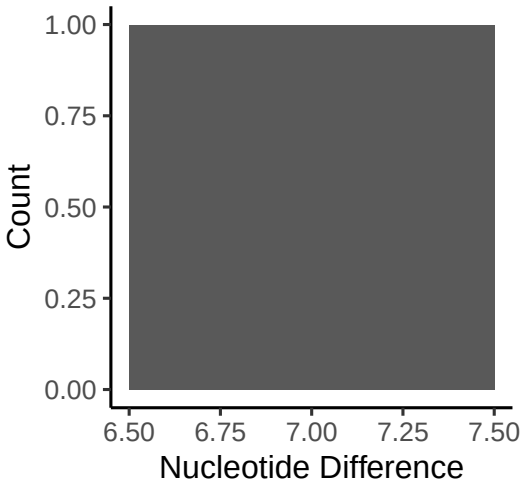
IGHV5−51*01

710 sequences assigned
122 (17.2%) exact matches, in which:
120 unique CDR3
5 unique J



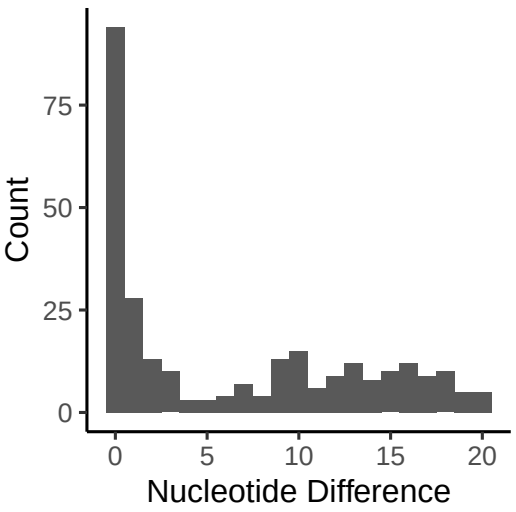
IGHV3/OR16−9*01

1 sequences assigned
No exact matches.



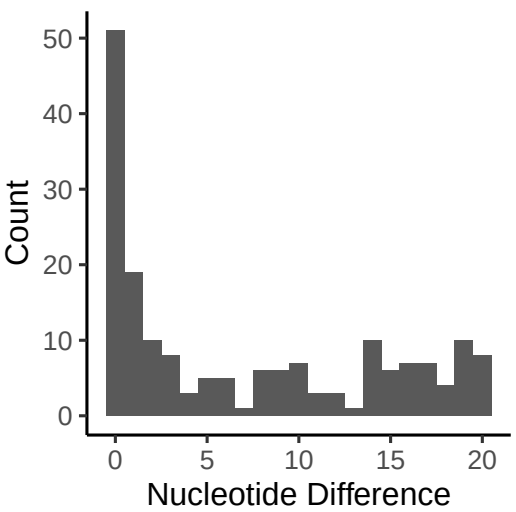
IGHV5−51*03

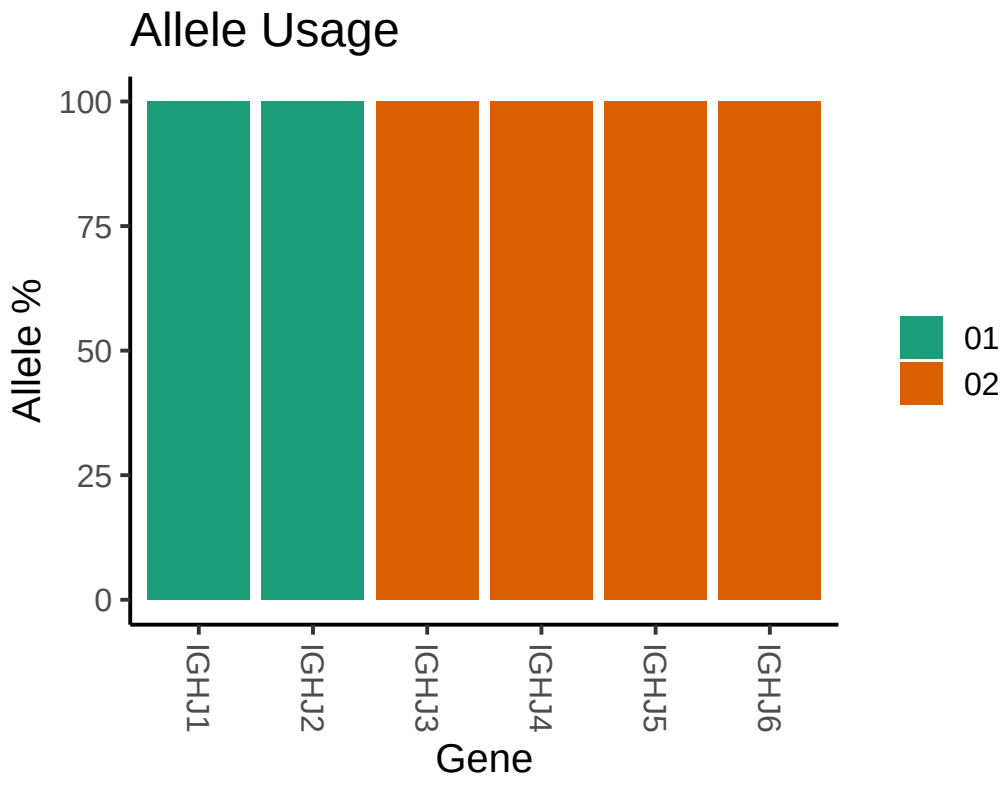
387 sequences assigned
94 (24.3%) exact matches, in which:
93 unique CDR3
6 unique J



IGHV6−1*01

257 sequences assigned
51 (19.8%) exact matches, in which:
49 unique CDR3
4 unique J




Allele Usage
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IGHJ2
IGHJ3
IGHJ4
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Warning − no inferred sequences found.

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Warning − no inferred sequences found.