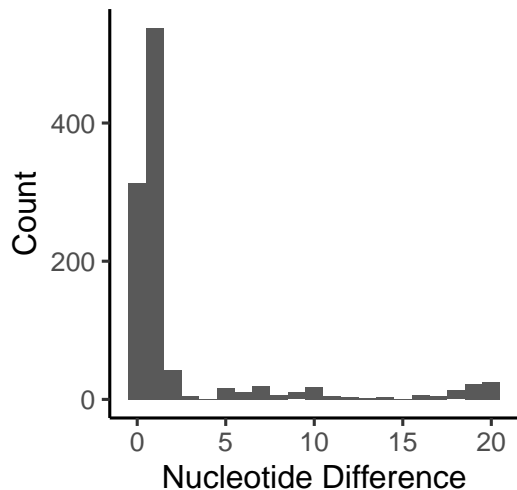


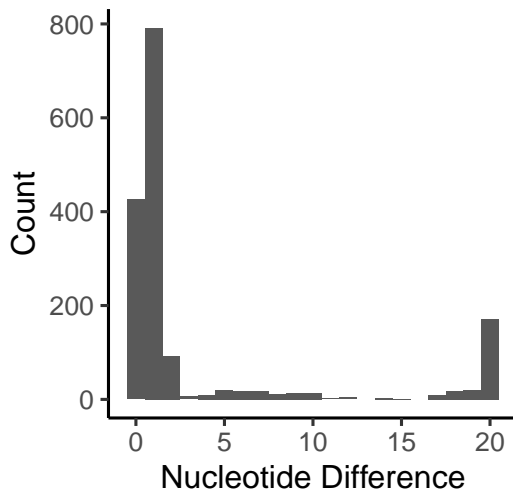
IGHV1-2*02

1618 sequences assigned
313 (19.3%) exact matches, in which:
231 unique CDR3
6 unique J



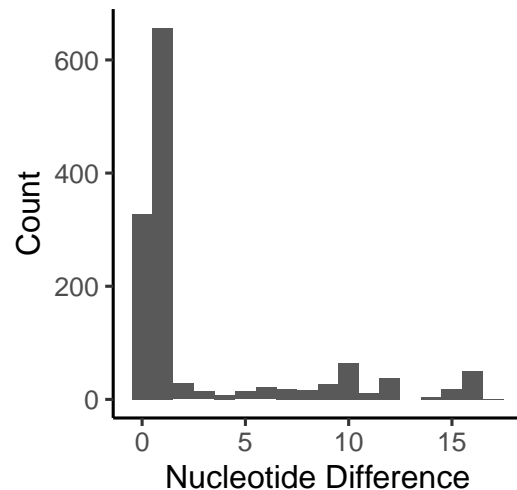
IGHV1-8*01

2058 sequences assigned
426 (20.7%) exact matches, in which:
300 unique CDR3
6 unique J



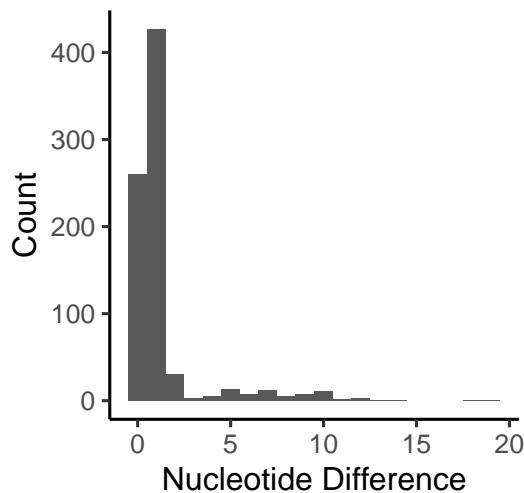
IGHV1-46*01

1349 sequences assigned
327 (24.2%) exact matches, in which:
220 unique CDR3
7 unique J



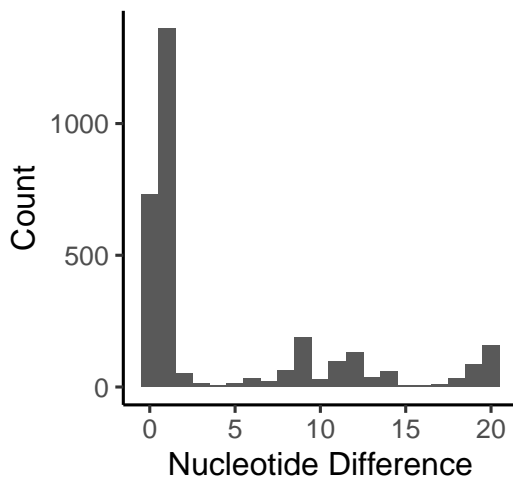
IGHV1-2*06

1469 sequences assigned
260 (17.7%) exact matches, in which:
188 unique CDR3
6 unique J



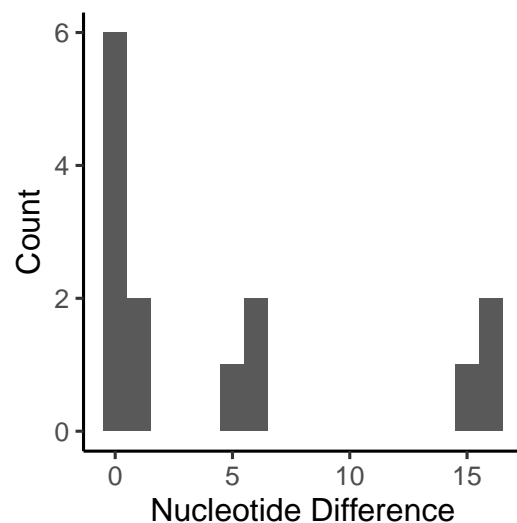
IGHV1-18*01

3531 sequences assigned
730 (20.7%) exact matches, in which:
496 unique CDR3
7 unique J



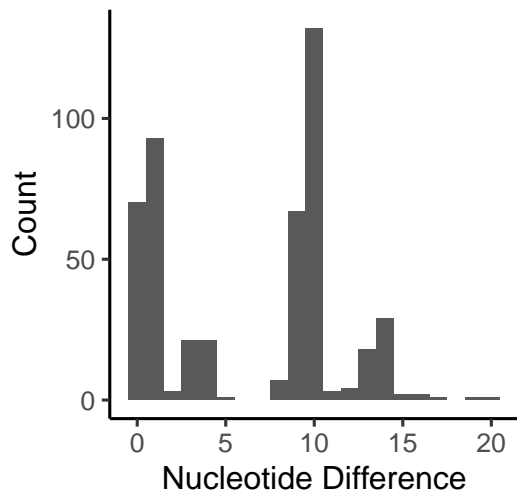
IGHV1-58*01_03

15 sequences assigned
6 (40%) exact matches, in which:
6 unique CDR3
4 unique J



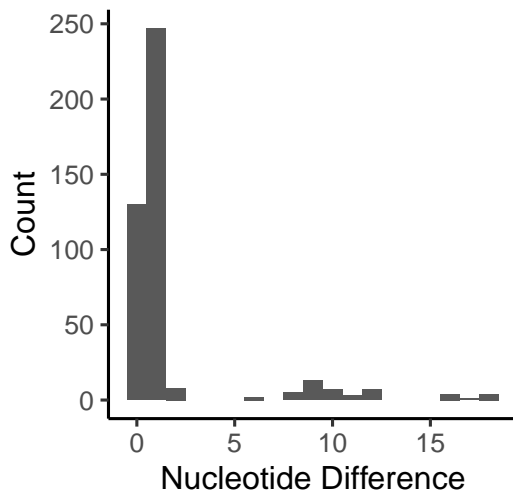
IGHV1-3*01_05

479 sequences assigned
70 (14.6%) exact matches, in which:
51 unique CDR3
5 unique J



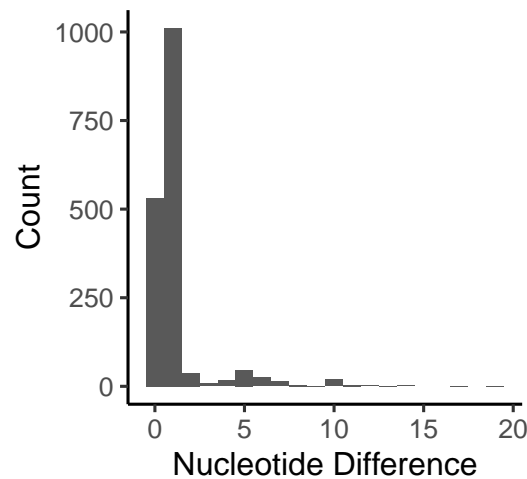
IGHV1-24*01

431 sequences assigned
130 (30.2%) exact matches, in which:
92 unique CDR3
6 unique J



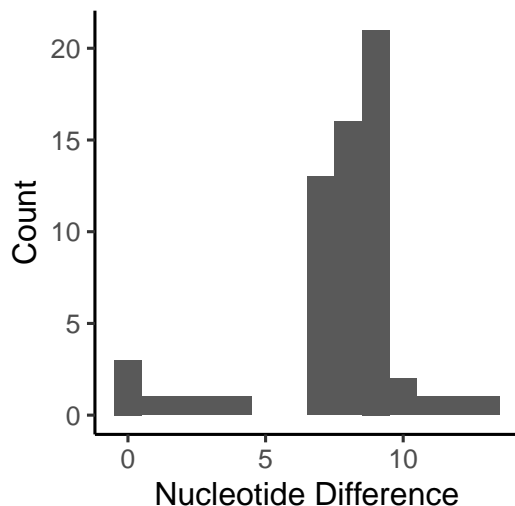
IGHV1-69*01_12_13

1738 sequences assigned
531 (30.6%) exact matches, in which:
386 unique CDR3
6 unique J



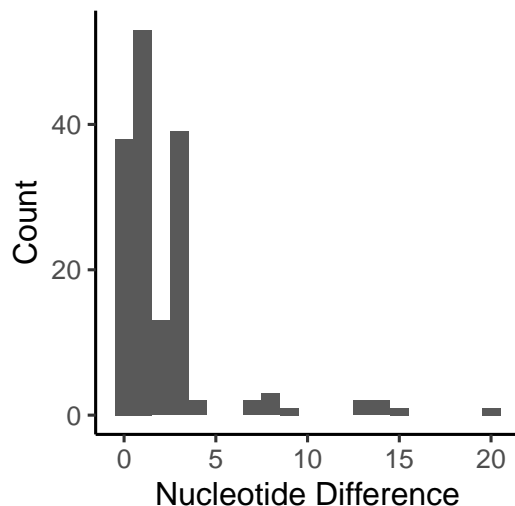
IGHV1-69*06_14

62 sequences assigned
3 (4.8%) exact matches, in which:
3 unique CDR3
2 unique J



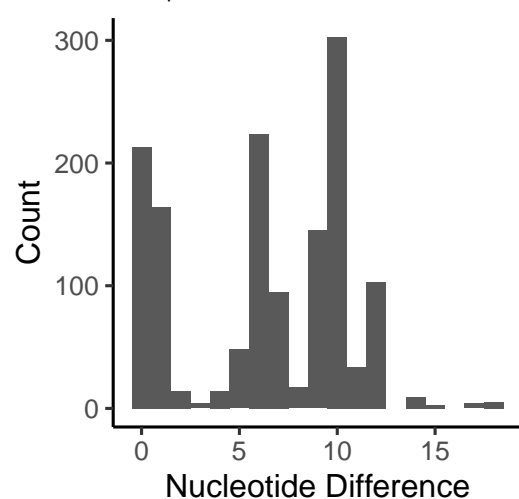
IGHV2-5*02

182 sequences assigned
38 (20.9%) exact matches, in which:
32 unique CDR3
4 unique J



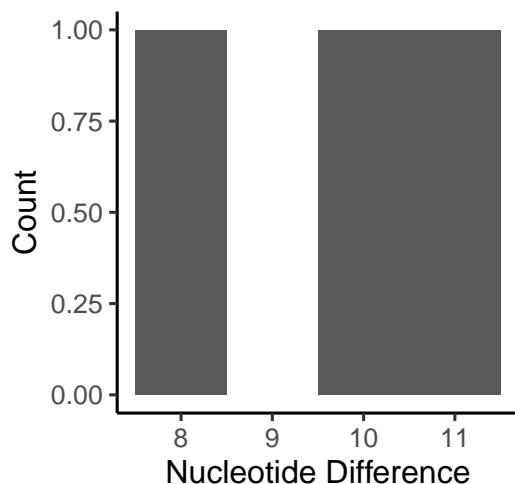
IGHV3-7*01

1419 sequences assigned
213 (15%) exact matches, in which:
120 unique CDR3
7 unique J



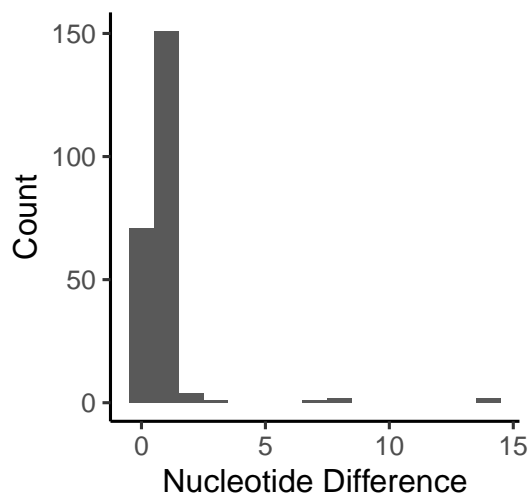
IGHV1-NL1*01

3 sequences assigned
No exact matches.



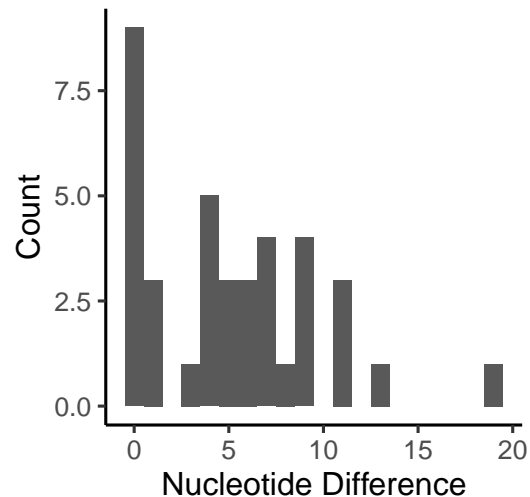
IGHV2-26*01

234 sequences assigned
71 (30.3%) exact matches, in which:
47 unique CDR3
5 unique J



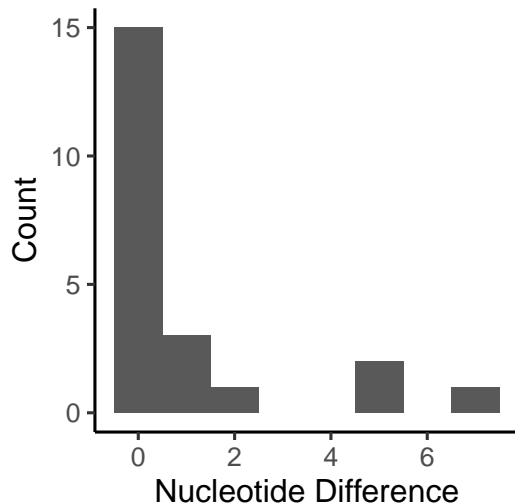
IGHV3-7*03

43 sequences assigned
9 (20.9%) exact matches, in which:
6 unique CDR3
4 unique J



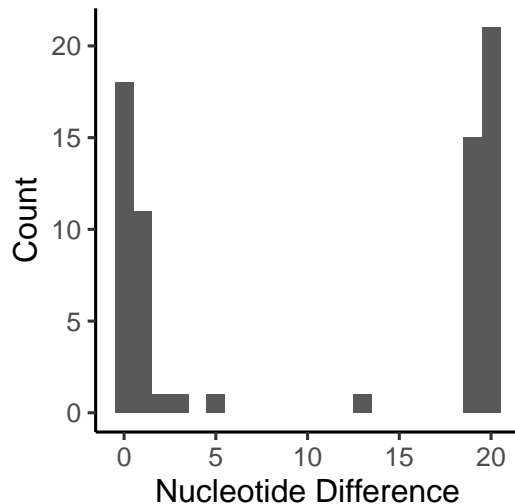
IGHV2-5*01

24 sequences assigned
15 (62.5%) exact matches, in which:
15 unique CDR3
4 unique J



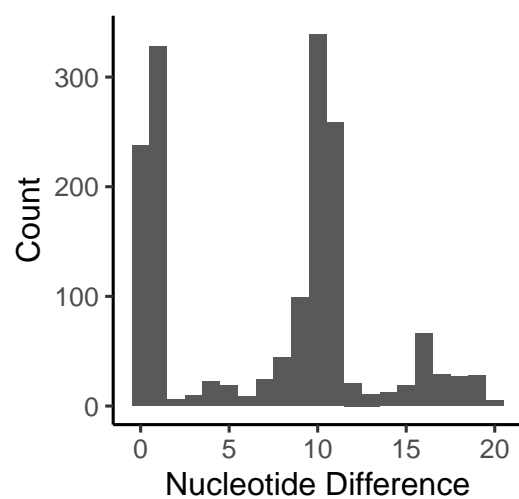
IGHV2-70*01

70 sequences assigned
18 (25.7%) exact matches, in which:
18 unique CDR3
4 unique J



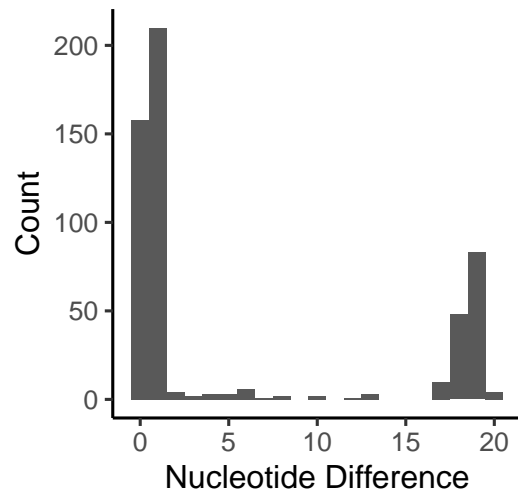
IGHV3-9*01

1761 sequences assigned
238 (13.5%) exact matches, in which:
114 unique CDR3
6 unique J



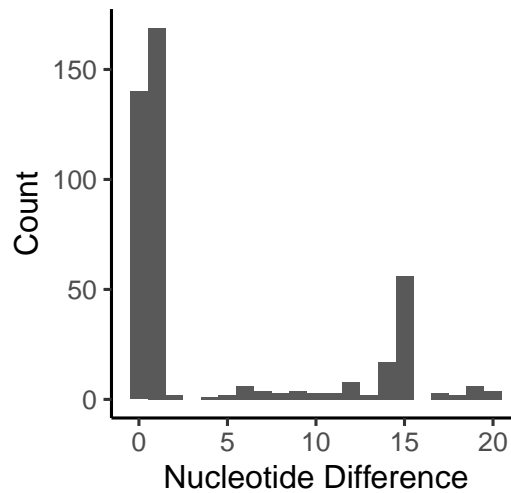
IGHV3-11*01

607 sequences assigned
158 (26%) exact matches, in which:
90 unique CDR3
6 unique J



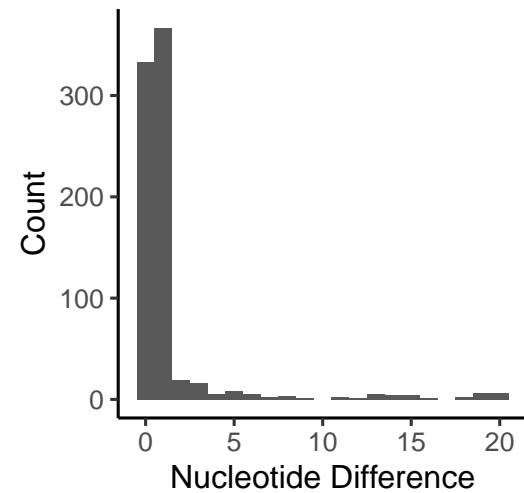
IGHV3-15*01_02

458 sequences assigned
140 (30.6%) exact matches, in which:
86 unique CDR3
7 unique J



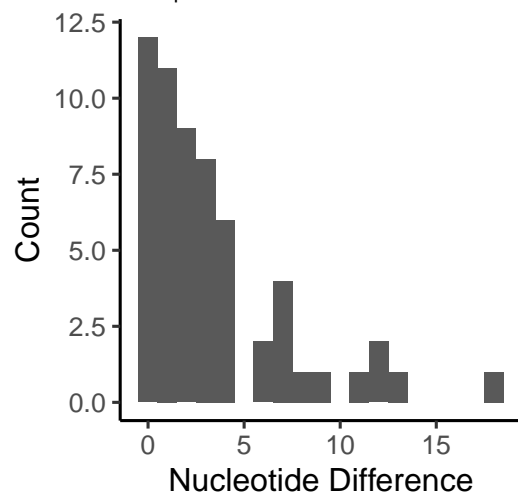
IGHV3-21*01_02

808 sequences assigned
333 (41.2%) exact matches, in which:
154 unique CDR3
7 unique J



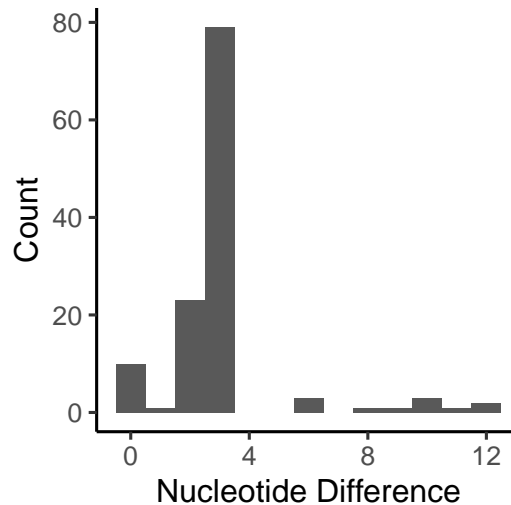
IGHV3-11*04

59 sequences assigned
12 (20.3%) exact matches, in which:
10 unique CDR3
5 unique J



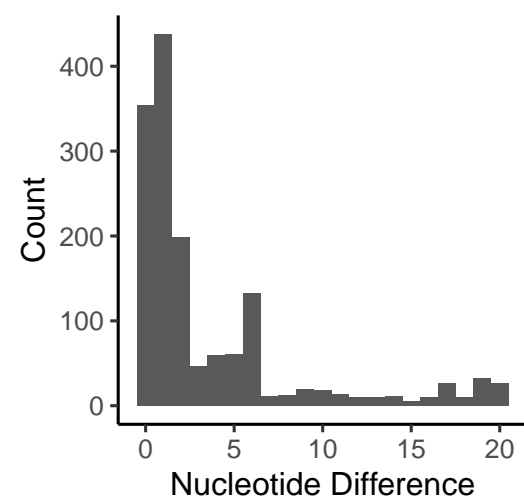
IGHV3-20*01_02

124 sequences assigned
10 (8.1%) exact matches, in which:
5 unique CDR3
4 unique J



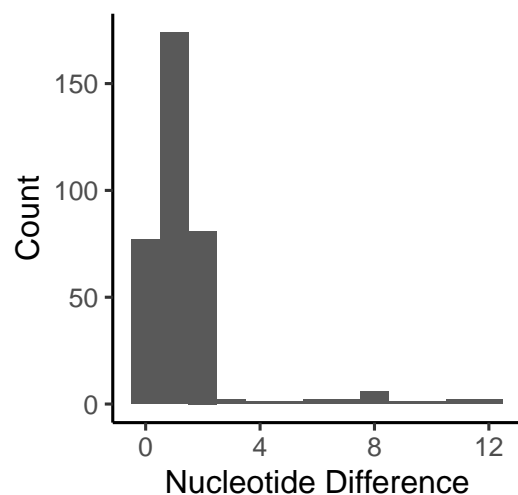
IGHV3-23*01_04

3038 sequences assigned
354 (11.7%) exact matches, in which:
182 unique CDR3
7 unique J



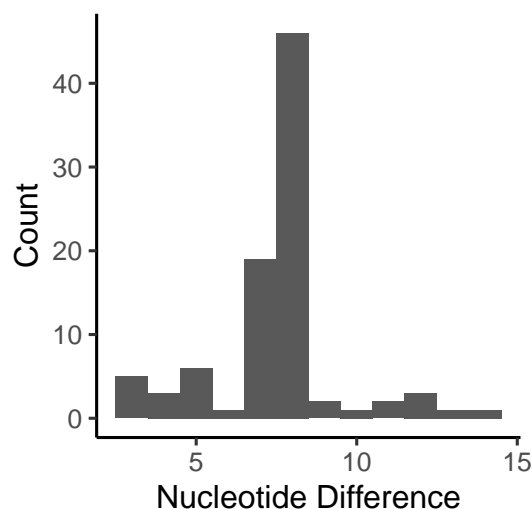
IGHV3-13*01

358 sequences assigned
77 (21.5%) exact matches, in which:
33 unique CDR3
4 unique J



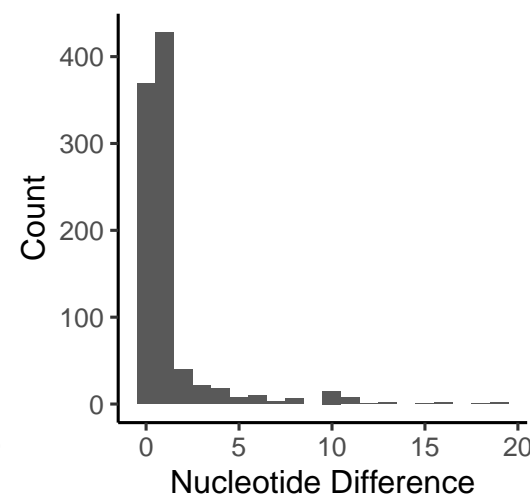
IGHV3-20*03_04

90 sequences assigned
No exact matches.



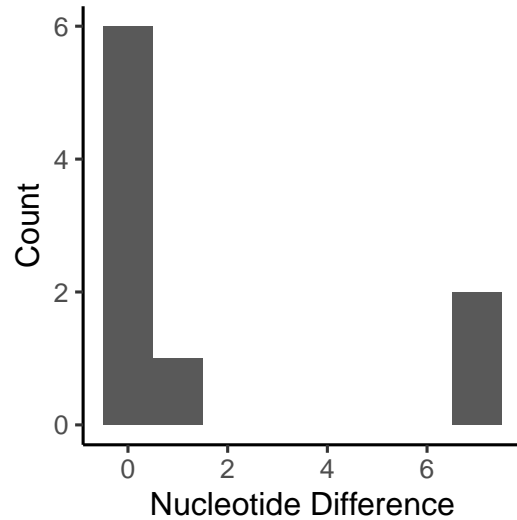
IGHV3-33*01

973 sequences assigned
369 (37.9%) exact matches, in which:
190 unique CDR3
7 unique J



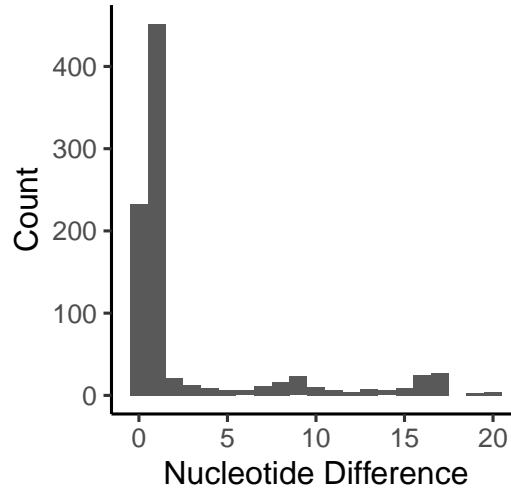
IGHV3-43*01

9 sequences assigned
6 (66.7%) exact matches, in which:
3 unique CDR3
2 unique J



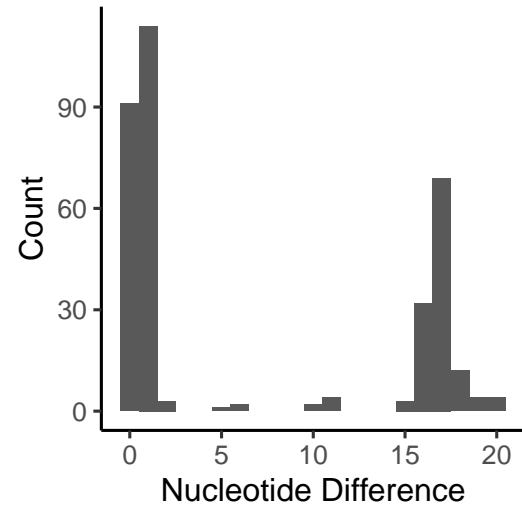
IGHV3-48*03

967 sequences assigned
233 (24.1%) exact matches, in which:
106 unique CDR3
5 unique J



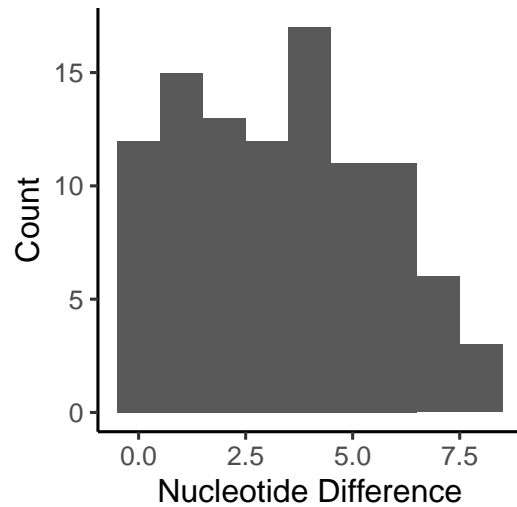
IGHV3-53*01_02

397 sequences assigned
91 (22.9%) exact matches, in which:
45 unique CDR3
6 unique J



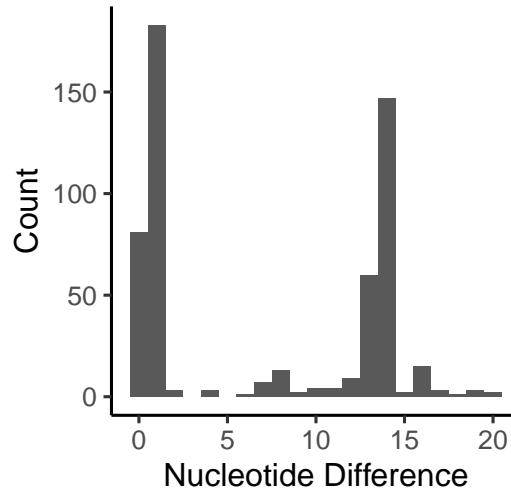
IGHV3-48*01

100 sequences assigned
12 (12%) exact matches, in which:
8 unique CDR3
3 unique J



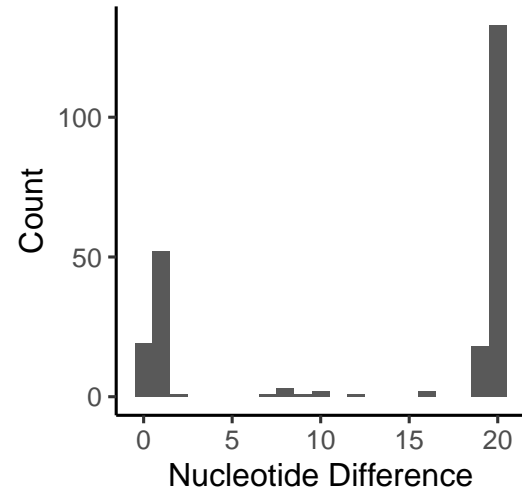
IGHV3-49*04

557 sequences assigned
81 (14.5%) exact matches, in which:
36 unique CDR3
5 unique J



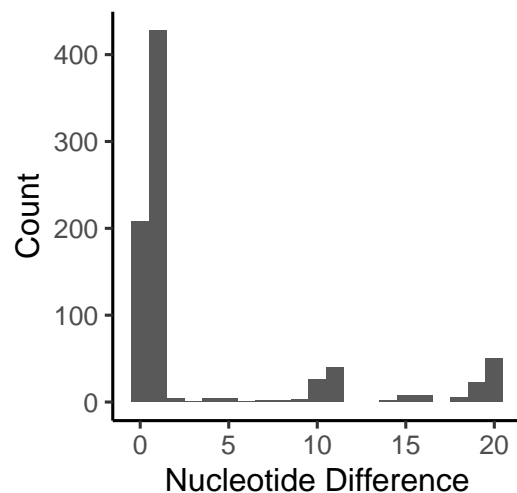
IGHV3-72*01

621 sequences assigned
19 (3.1%) exact matches, in which:
9 unique CDR3
1 unique J



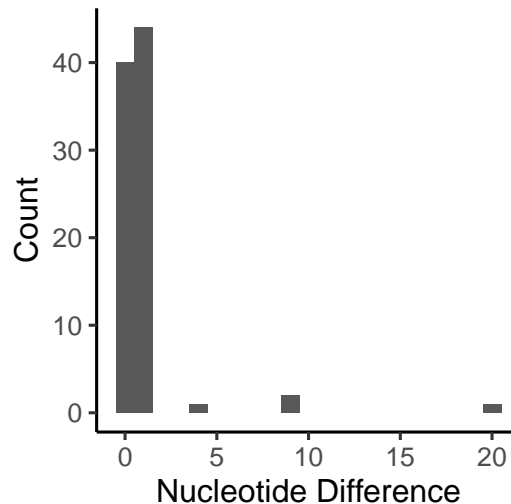
IGHV3-48*02

865 sequences assigned
208 (24%) exact matches, in which:
83 unique CDR3
6 unique J



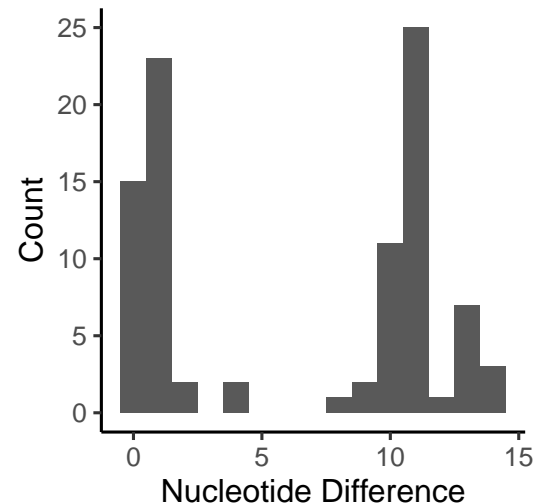
IGHV3-49*03_05

114 sequences assigned
40 (35.1%) exact matches, in which:
21 unique CDR3
3 unique J



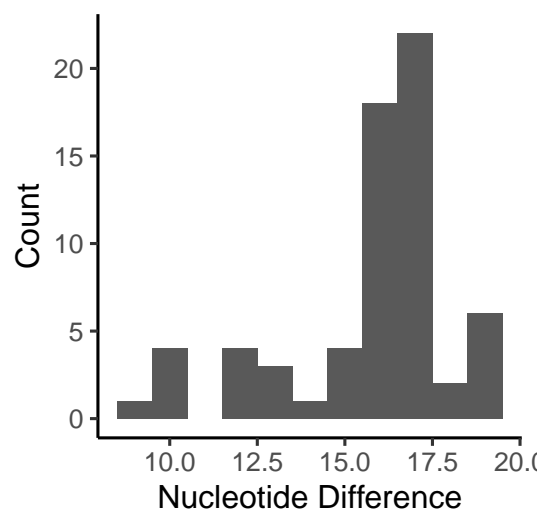
IGHV3-73*01_02

197 sequences assigned
15 (7.6%) exact matches, in which:
6 unique CDR3
3 unique J



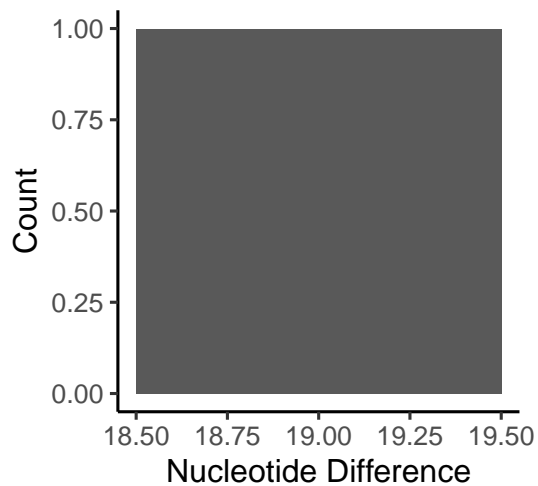
IGHV3-74*03

242 sequences assigned
No exact matches.



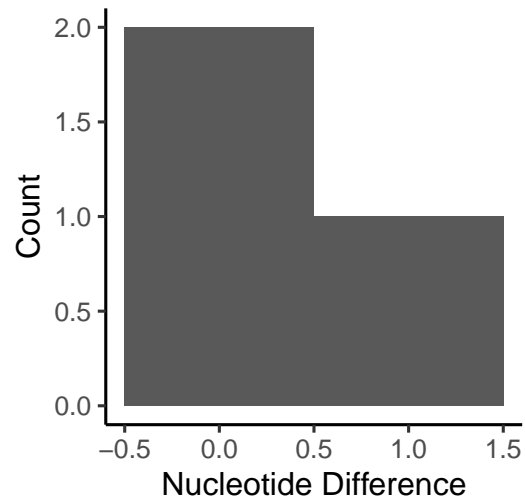
IGHV3-NL1*01

4 sequences assigned
No exact matches.



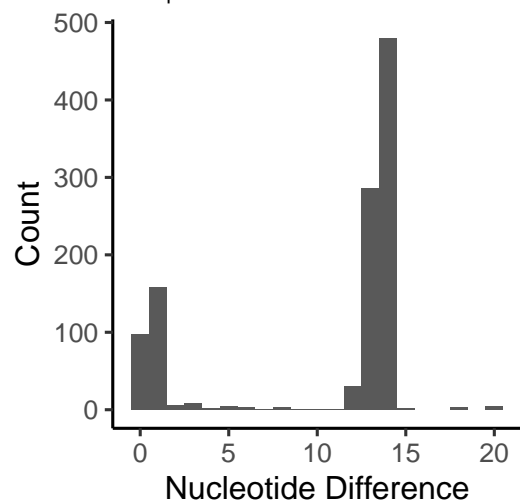
IGHV4-28*02_05

3 sequences assigned
2 (66.7%) exact matches, in which:
1 unique CDR3
1 unique J



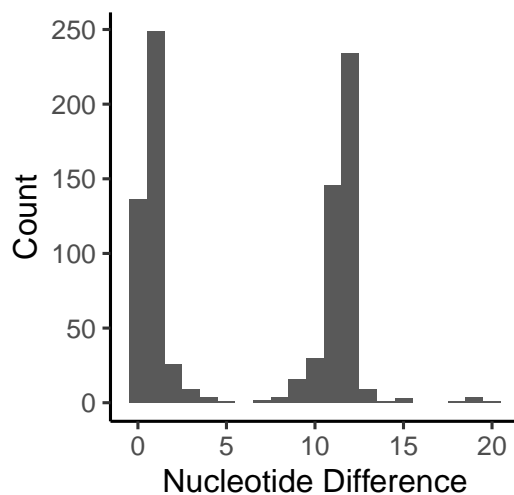
IGHV3-74*01_02

1183 sequences assigned
98 (8.3%) exact matches, in which:
46 unique CDR3
7 unique J



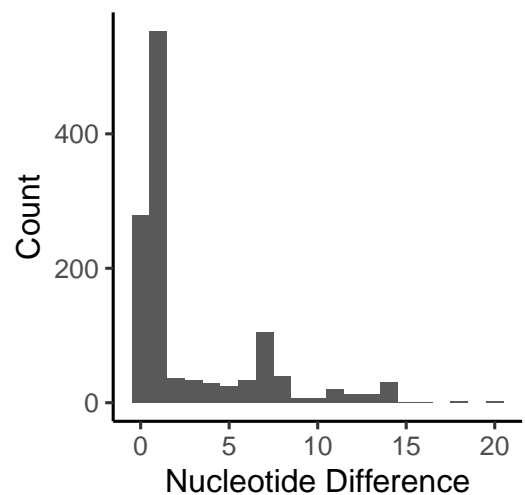
IGHV4-4*07

880 sequences assigned
136 (15.5%) exact matches, in which:
91 unique CDR3
6 unique J



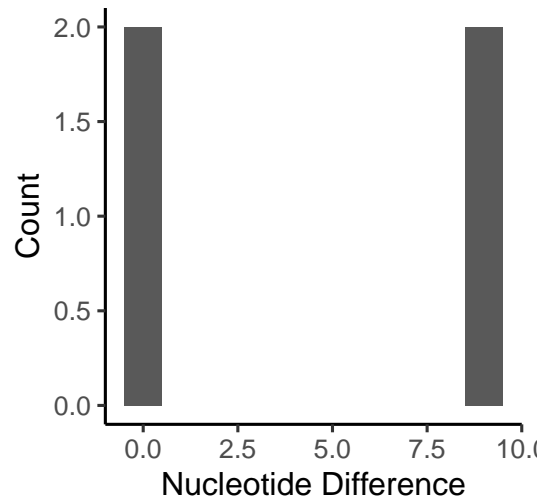
IGHV4-31*02

1253 sequences assigned
279 (22.3%) exact matches, in which:
177 unique CDR3
7 unique J



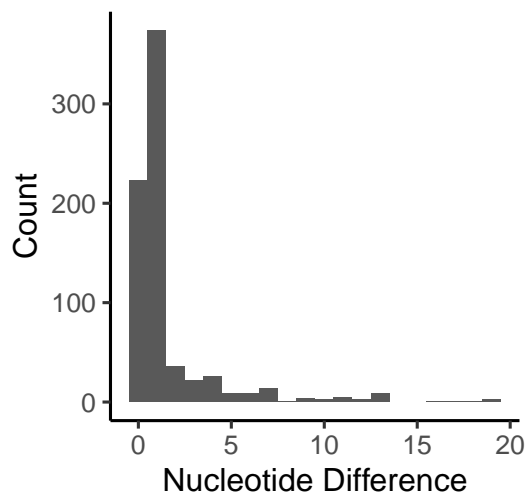
IGHV3-43D*04

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



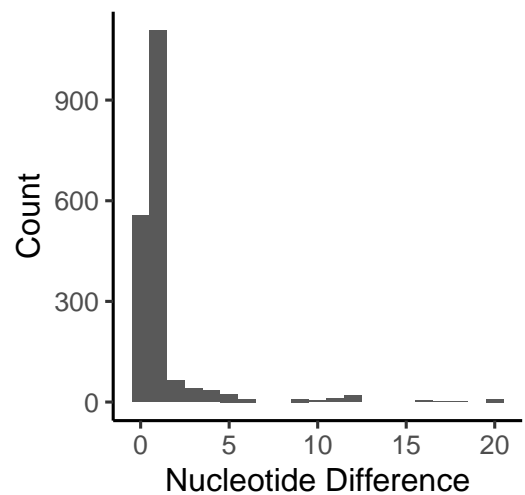
IGHV4-4*02_03

834 sequences assigned
223 (26.7%) exact matches, in which:
144 unique CDR3
7 unique J



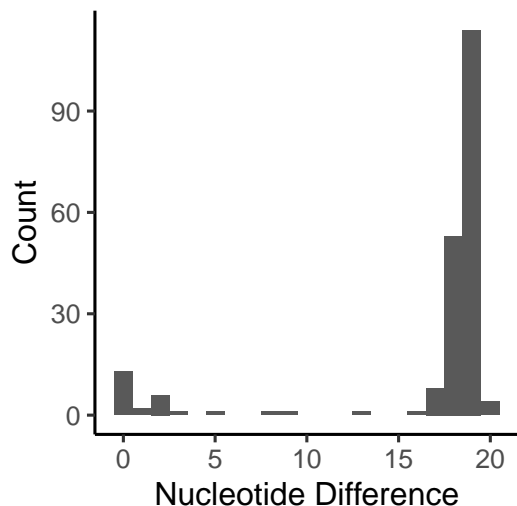
IGHV4-34*01_02

1951 sequences assigned
555 (28.4%) exact matches, in which:
329 unique CDR3
7 unique J



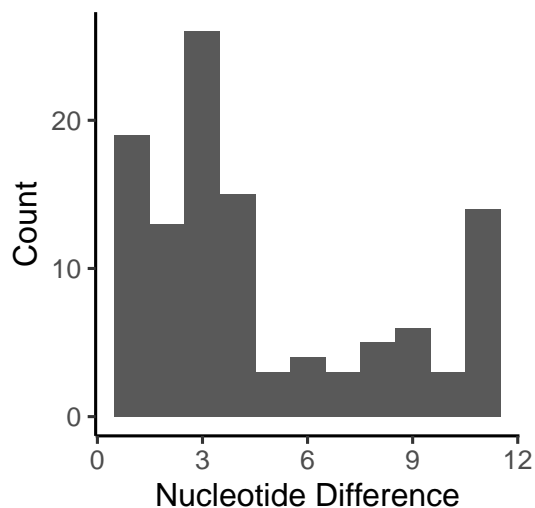
IGHV4-38-2*01

373 sequences assigned
13 (3.5%) exact matches, in which:
13 unique CDR3
5 unique J



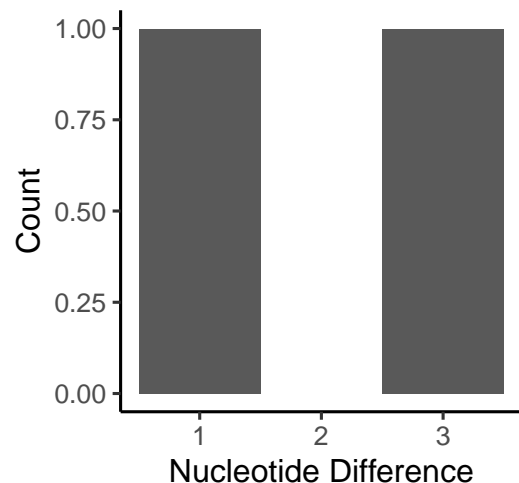
IGHV4-39*07

112 sequences assigned
No exact matches.



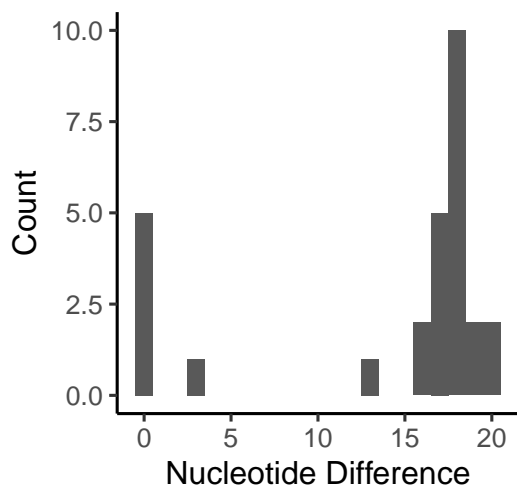
IGHV4/OR15-8*01

2 sequences assigned
No exact matches.



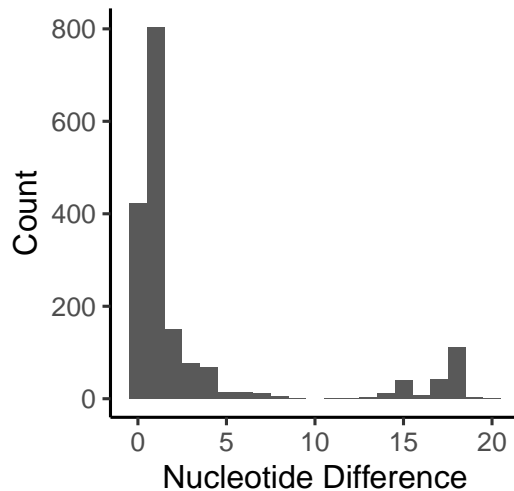
IGHV4-38-2*02

29 sequences assigned
5 (17.2%) exact matches, in which:
5 unique CDR3
4 unique J



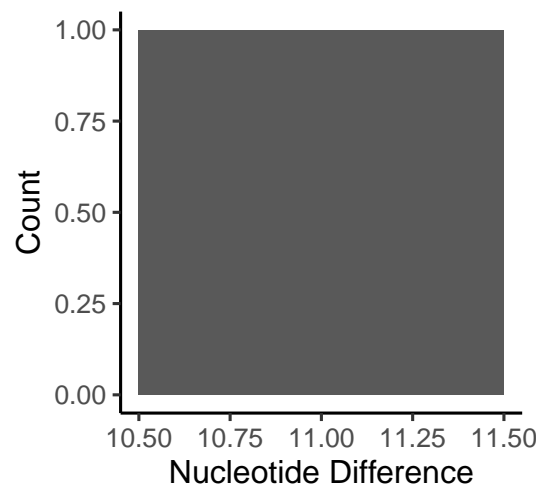
IGHV4-59*02_G88A

1855 sequences assigned
423 (22.8%) exact matches, in which:
271 unique CDR3
6 unique J



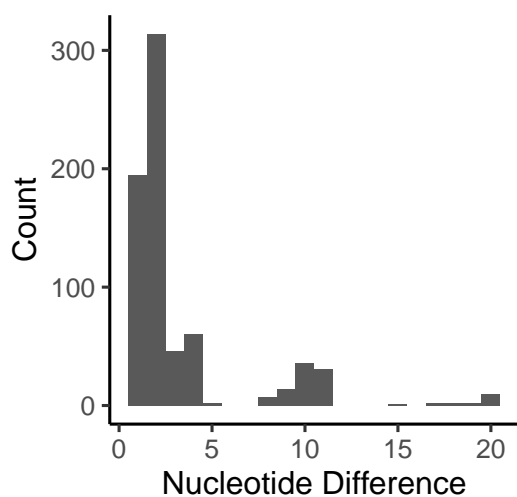
IGHV1/OR15-9*01

1 sequences assigned
No exact matches.



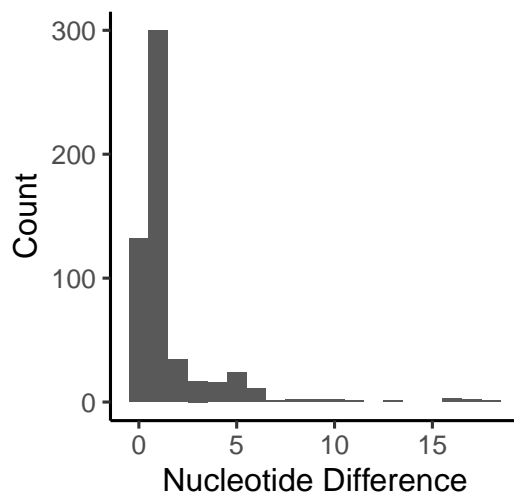
IGHV4-39*02

830 sequences assigned
No exact matches.



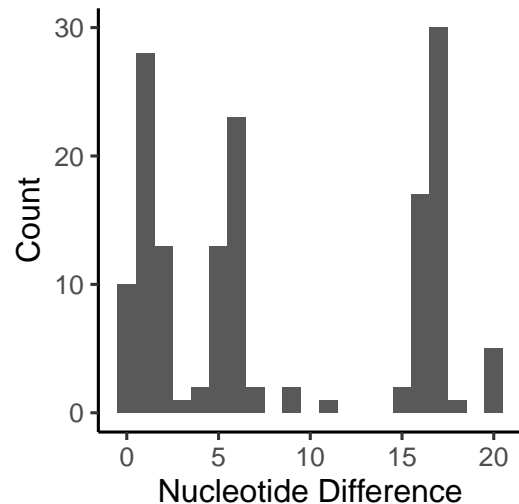
IGHV4-61*01

898 sequences assigned
132 (14.7%) exact matches, in which:
88 unique CDR3
6 unique J



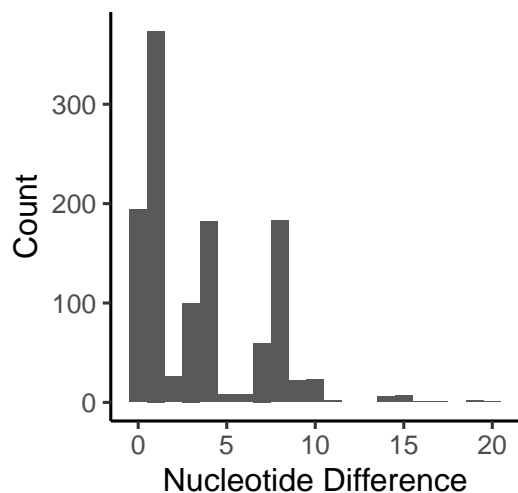
IGHV5-51*07

182 sequences assigned
10 (5.5%) exact matches, in which:
10 unique CDR3
4 unique J



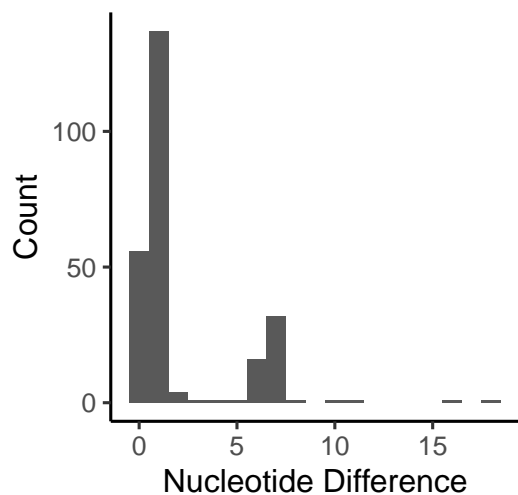
IGHV5–51*01_03

1203 sequences assigned
194 (16.1%) exact matches, in which:
104 unique CDR3
5 unique J



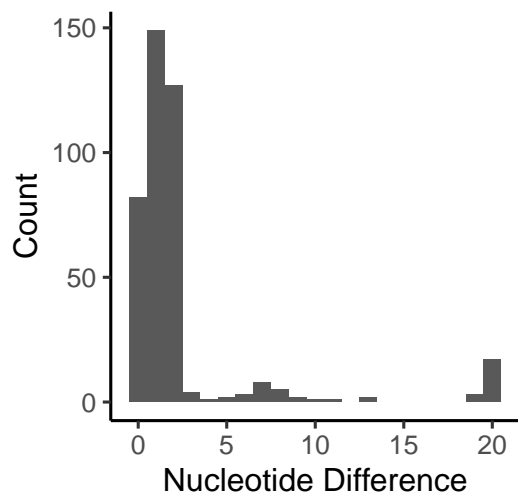
IGHV6–1*01_02

254 sequences assigned
56 (22%) exact matches, in which:
39 unique CDR3
5 unique J

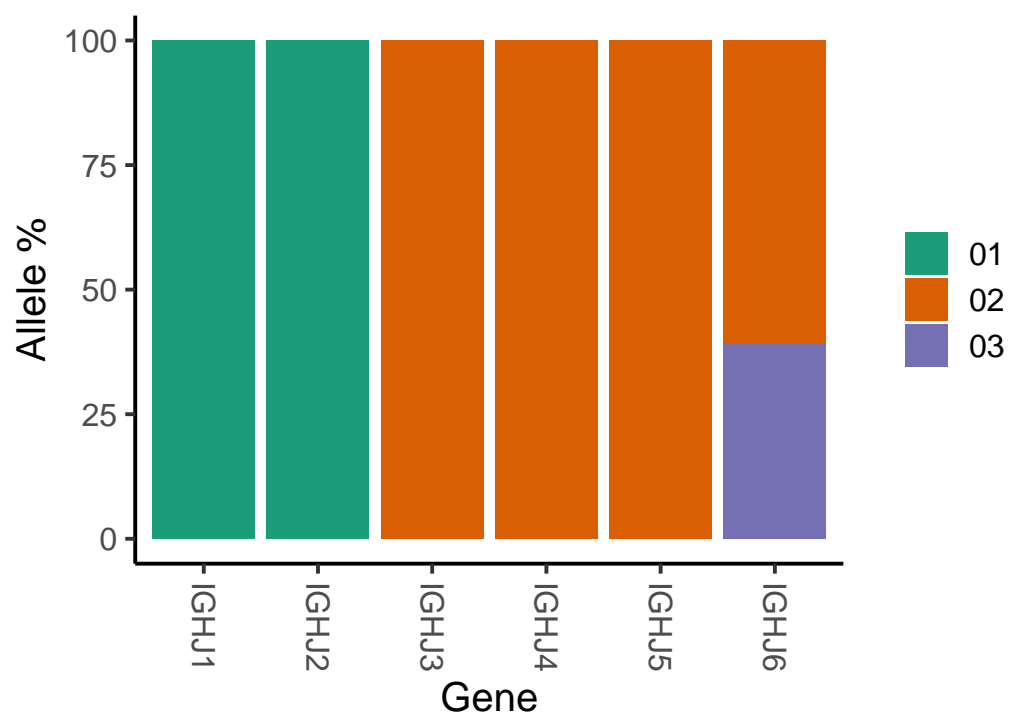


IGHV7–4–1*02

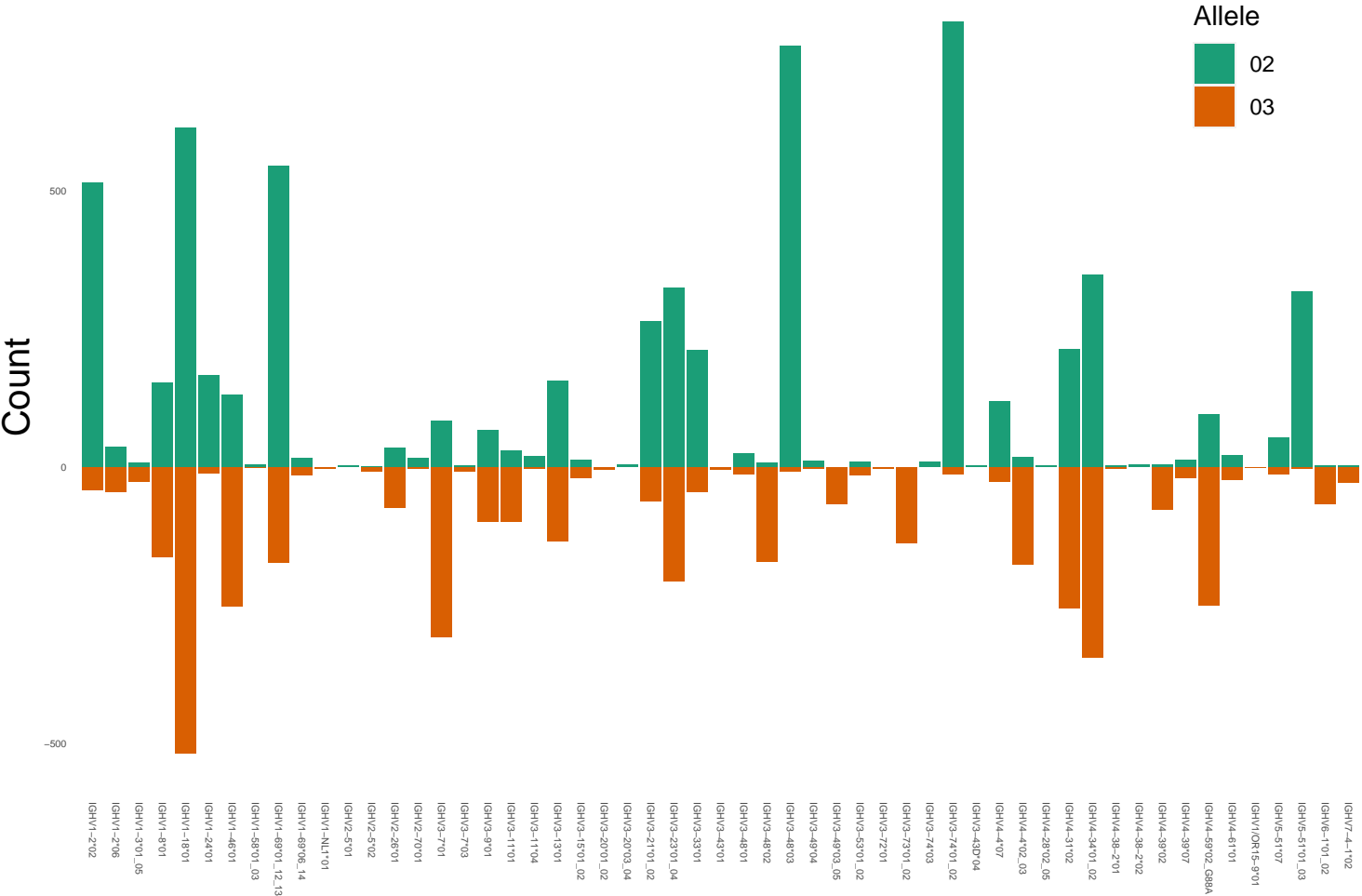
455 sequences assigned
82 (18%) exact matches, in which:
62 unique CDR3
4 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.