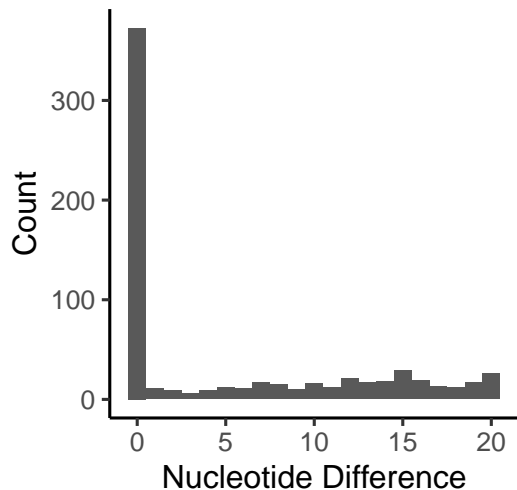


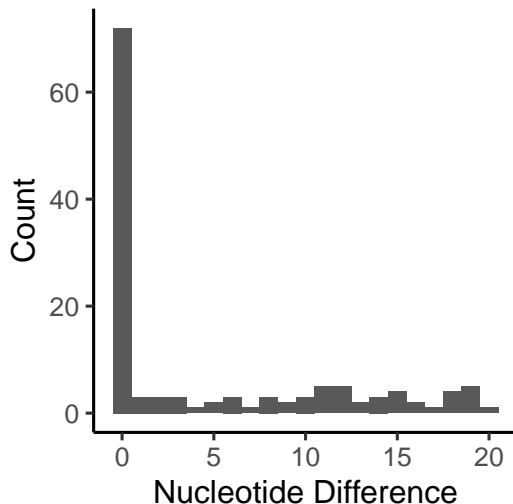
IGHV1-2*02

845 sequences assigned
373 (44.1%) exact matches, in which:
373 unique CDR3
6 unique J



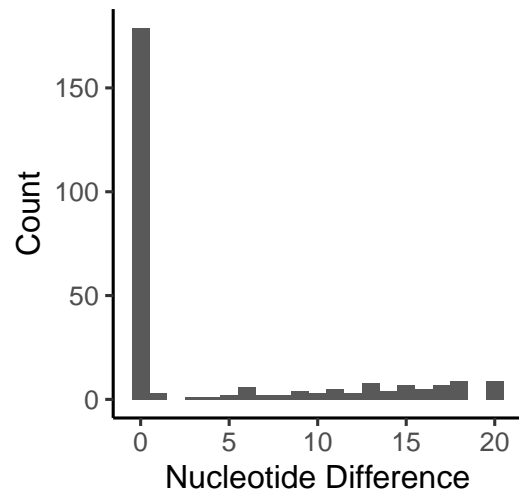
IGHV1-3*01_05

185 sequences assigned
72 (38.9%) exact matches, in which:
72 unique CDR3
5 unique J



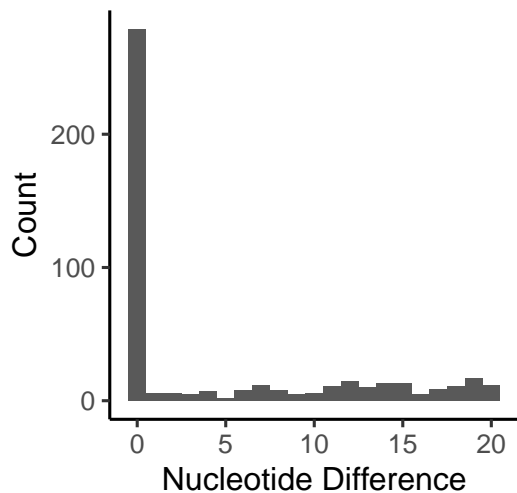
IGHV1-24*01

374 sequences assigned
179 (47.9%) exact matches, in which:
179 unique CDR3
7 unique J



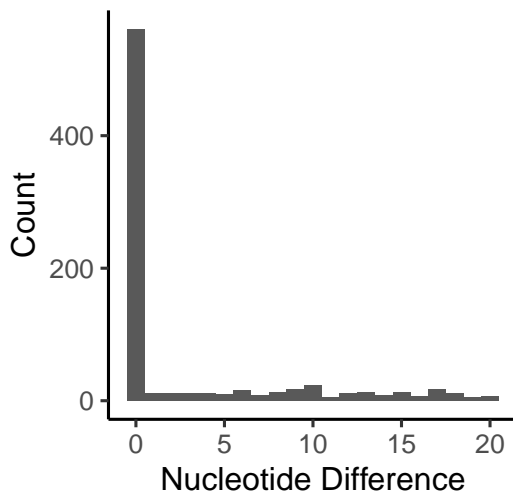
IGHV1-2*06

619 sequences assigned
279 (45.1%) exact matches, in which:
279 unique CDR3
7 unique J



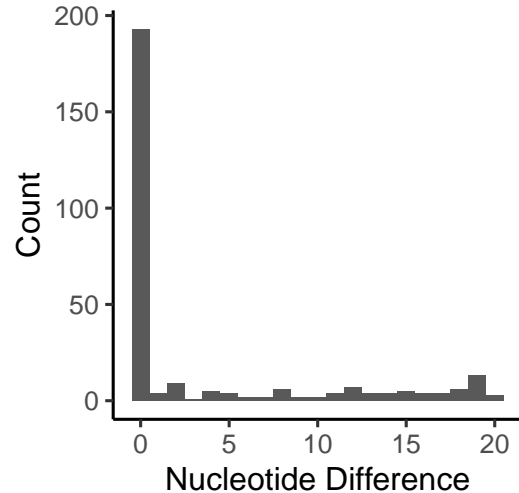
IGHV1-8*01

900 sequences assigned
561 (62.3%) exact matches, in which:
561 unique CDR3
7 unique J



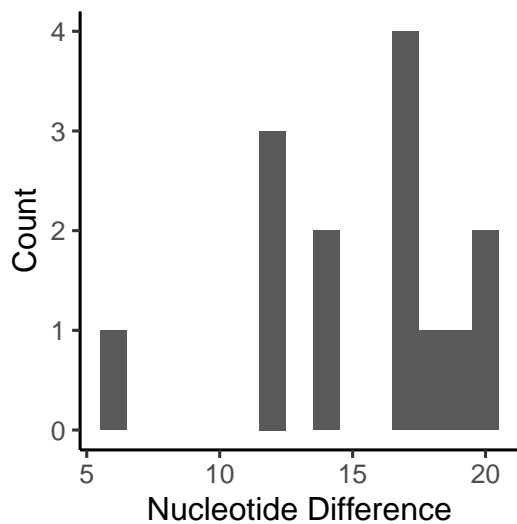
IGHV1-46*01

345 sequences assigned
193 (55.9%) exact matches, in which:
193 unique CDR3
6 unique J



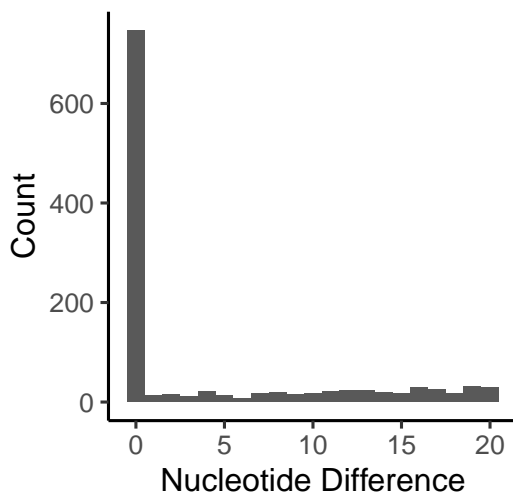
IGHV1-3*04

24 sequences assigned
No exact matches.



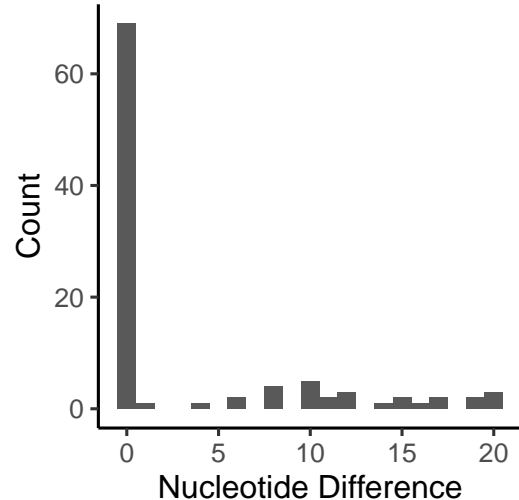
IGHV1-18*01

1450 sequences assigned
747 (51.5%) exact matches, in which:
747 unique CDR3
7 unique J



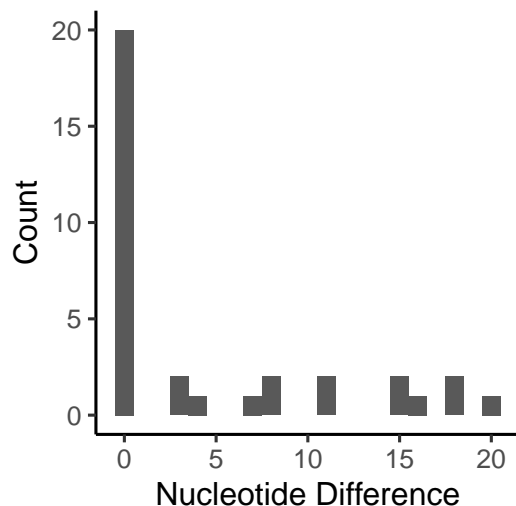
IGHV1-46*03

118 sequences assigned
69 (58.5%) exact matches, in which:
69 unique CDR3
6 unique J



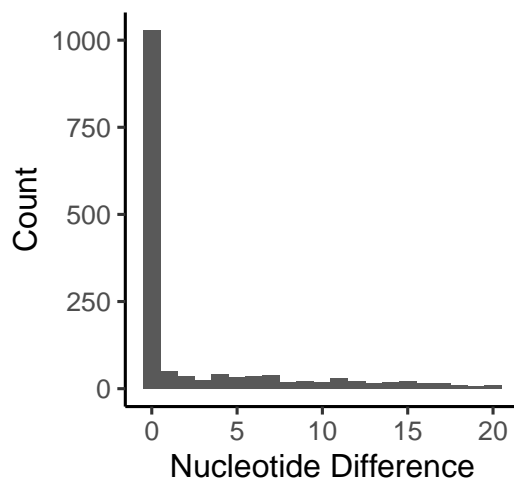
IGHV1-58*02

43 sequences assigned
20 (46.5%) exact matches, in which:
20 unique CDR3
5 unique J



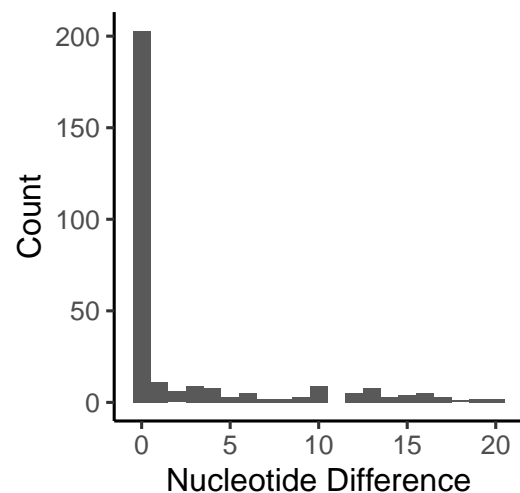
IGHV2-5*02

1620 sequences assigned
1028 (63.5%) exact matches, in which:
1026 unique CDR3
7 unique J



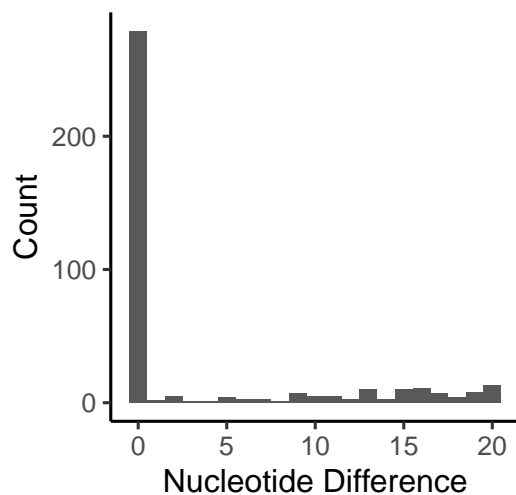
IGHV2-70*11_15

312 sequences assigned
203 (65.1%) exact matches, in which:
202 unique CDR3
7 unique J



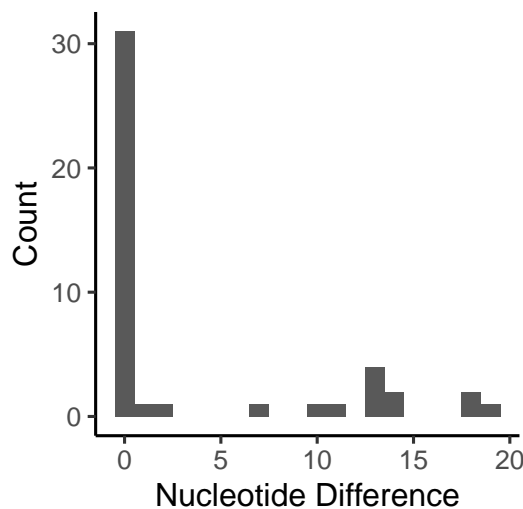
IGHV1-69*05

539 sequences assigned
279 (51.8%) exact matches, in which:
279 unique CDR3
6 unique J



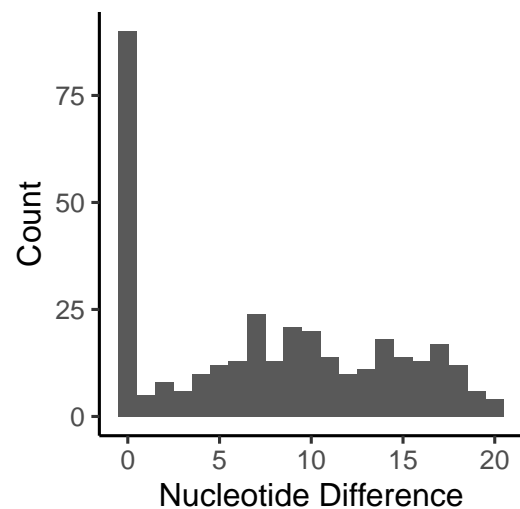
IGHV2-26*01

47 sequences assigned
31 (66%) exact matches, in which:
31 unique CDR3
5 unique J



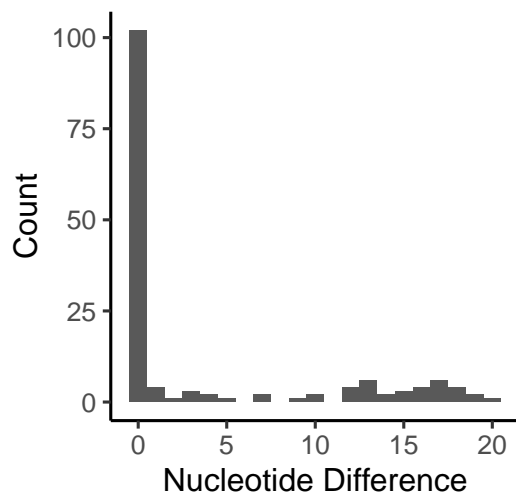
IGHV3-7*01

404 sequences assigned
90 (22.3%) exact matches, in which:
90 unique CDR3
5 unique J



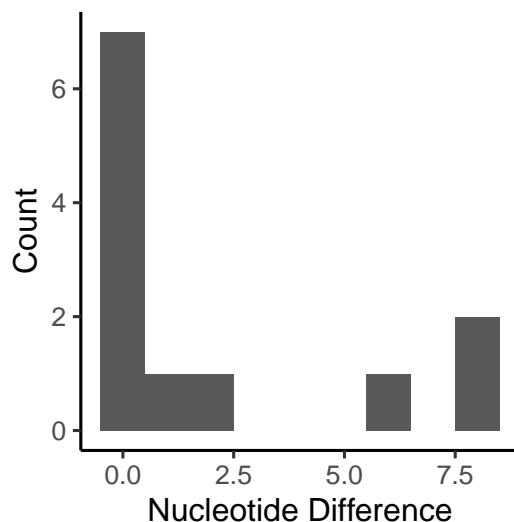
IGHV1-69*04_09

228 sequences assigned
102 (44.7%) exact matches, in which:
102 unique CDR3
6 unique J



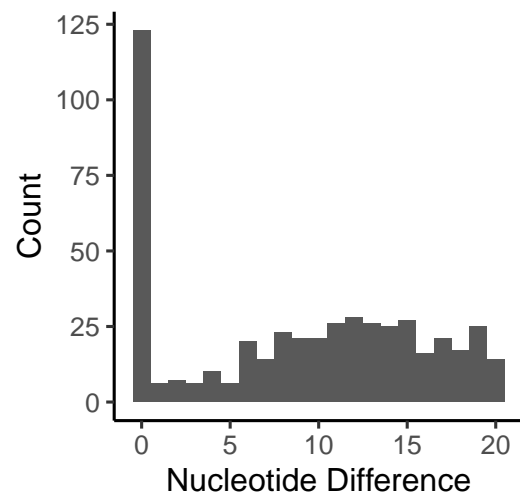
IGHV2-26*02

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



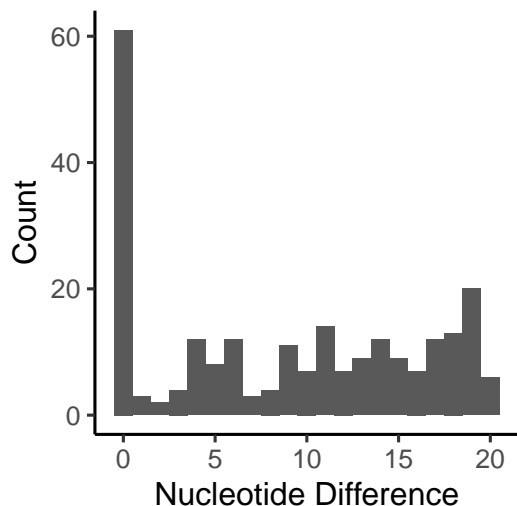
IGHV3-7*03

560 sequences assigned
123 (22%) exact matches, in which:
122 unique CDR3
6 unique J



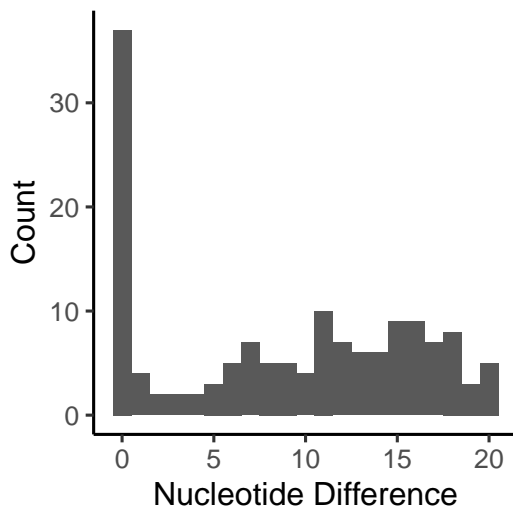
IGHV3-9*01

332 sequences assigned
61 (18.4%) exact matches, in which:
61 unique CDR3
6 unique J



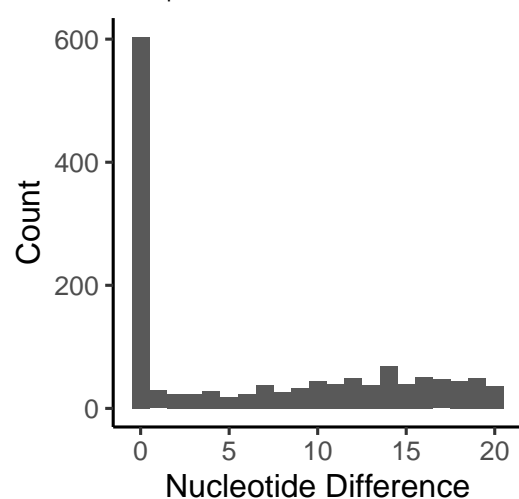
IGHV3-15*01_02

203 sequences assigned
37 (18.2%) exact matches, in which:
37 unique CDR3
6 unique J



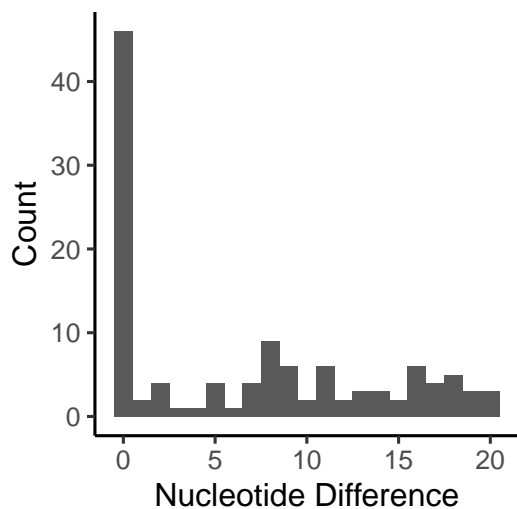
IGHV3-23*01_04

1846 sequences assigned
604 (32.7%) exact matches, in which:
599 unique CDR3
7 unique J



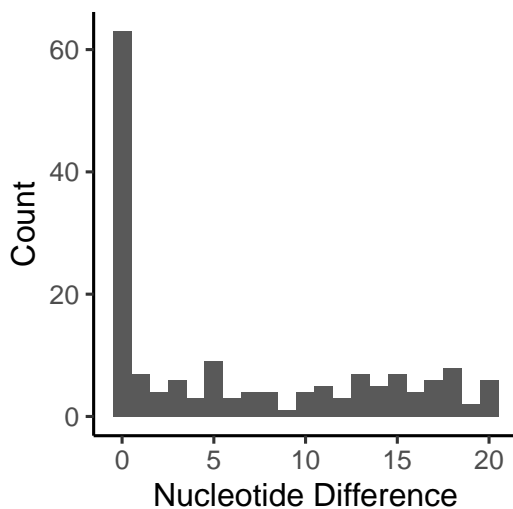
IGHV3-11*01

187 sequences assigned
46 (24.6%) exact matches, in which:
45 unique CDR3
6 unique J



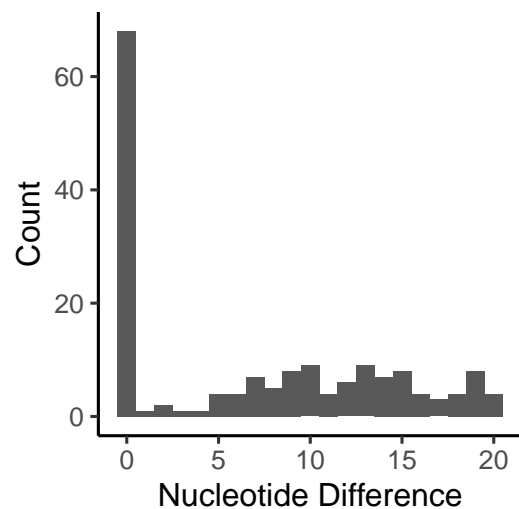
IGHV3-20*03_04

203 sequences assigned
63 (31%) exact matches, in which:
62 unique CDR3
5 unique J



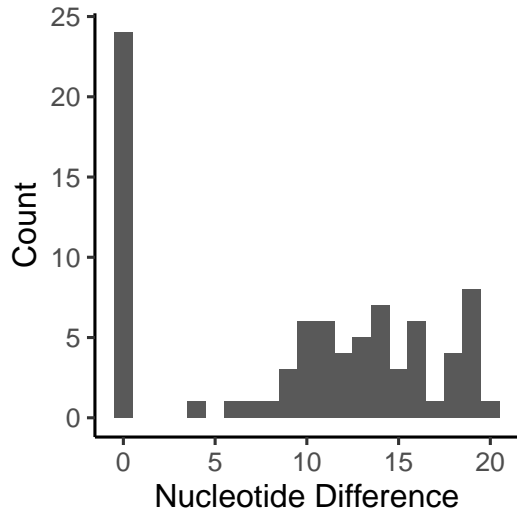
IGHV3-33*01

237 sequences assigned
68 (28.7%) exact matches, in which:
68 unique CDR3
6 unique J



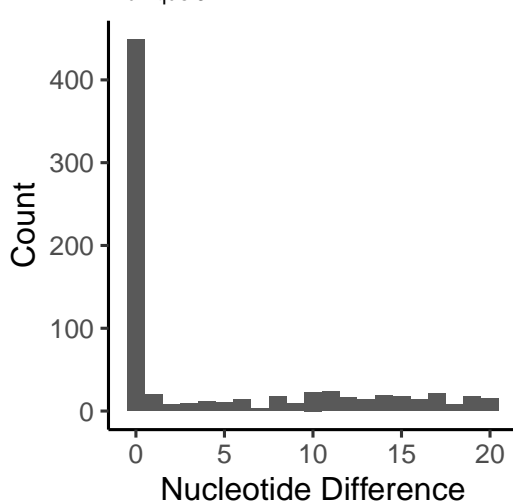
IGHV3-13*01

113 sequences assigned
24 (21.2%) exact matches, in which:
24 unique CDR3
6 unique J



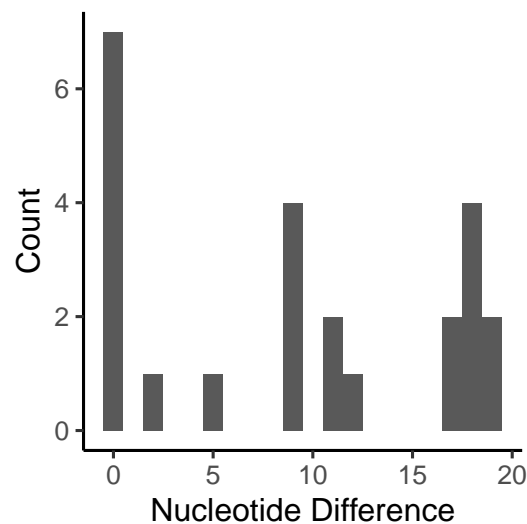
IGHV3-21*01_02

921 sequences assigned
449 (48.8%) exact matches, in which:
441 unique CDR3
7 unique J



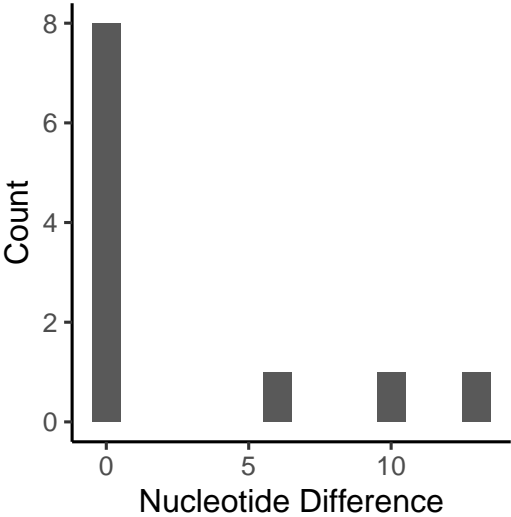
IGHV3-43*01

32 sequences assigned
7 (21.9%) exact matches, in which:
7 unique CDR3
3 unique J



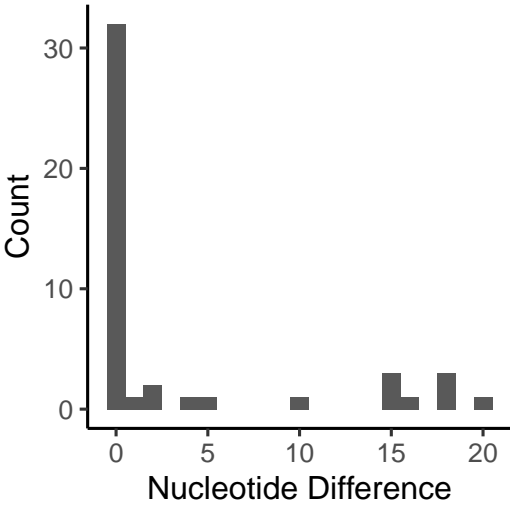
IGHV3-43*01_C137T

17 sequences assigned
8 (47.1%) exact matches, in which:
8 unique CDR3
3 unique J



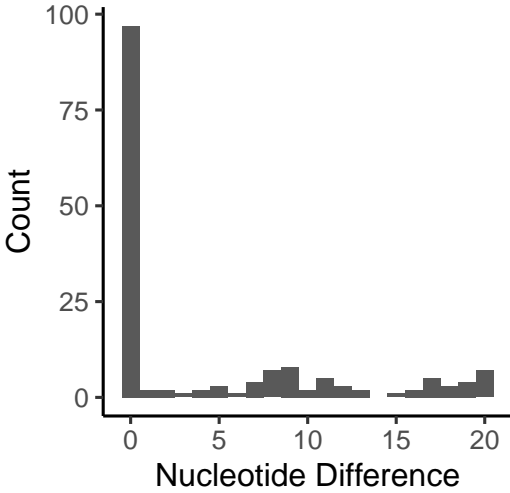
IGHV3-53*04

55 sequences assigned
32 (58.2%) exact matches, in which:
30 unique CDR3
5 unique J



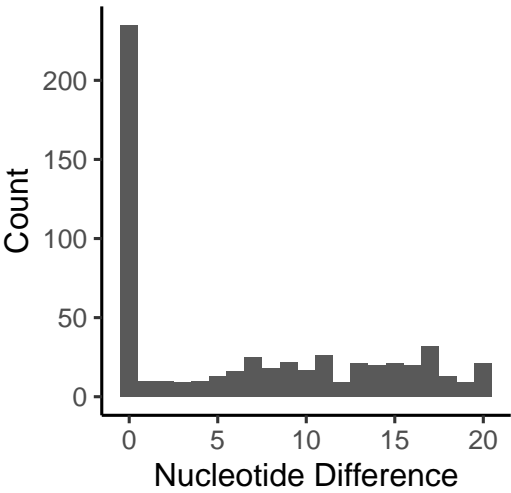
IGHV3-66*01_A193G

208 sequences assigned
97 (46.6%) exact matches, in which:
95 unique CDR3
6 unique J



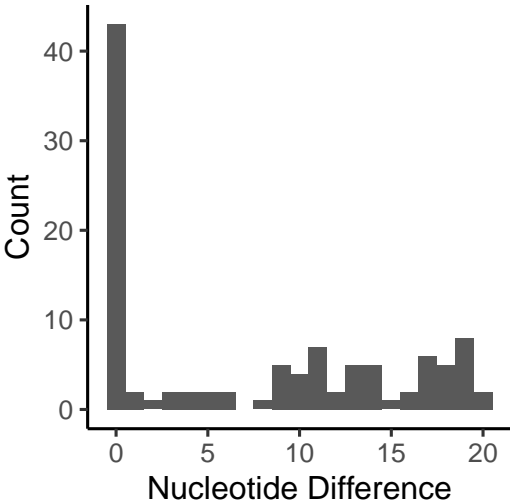
IGHV3-48*01

785 sequences assigned
235 (29.9%) exact matches, in which:
234 unique CDR3
7 unique J



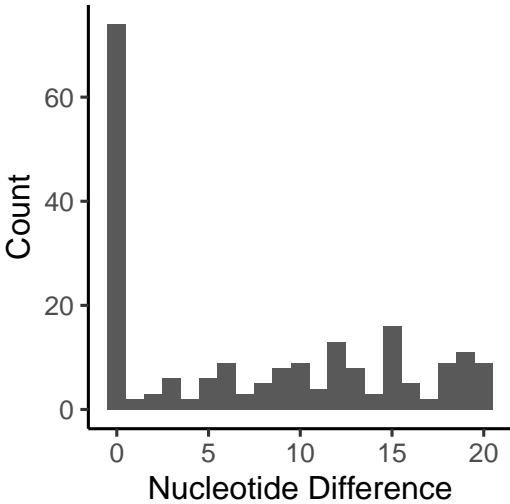
IGHV3-64*01

133 sequences assigned
43 (32.3%) exact matches, in which:
40 unique CDR3
7 unique J



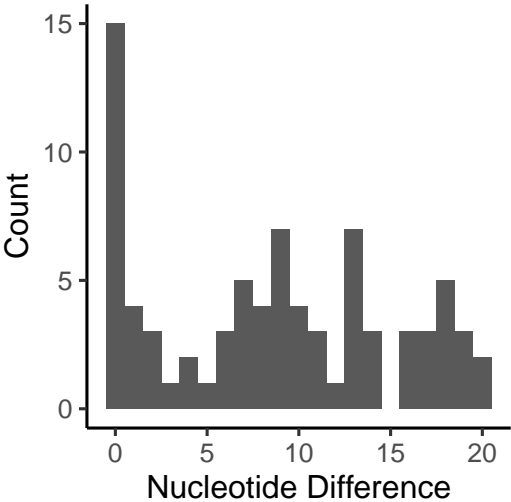
IGHV3-66*01_T300C

253 sequences assigned
74 (29.2%) exact matches, in which:
74 unique CDR3
6 unique J



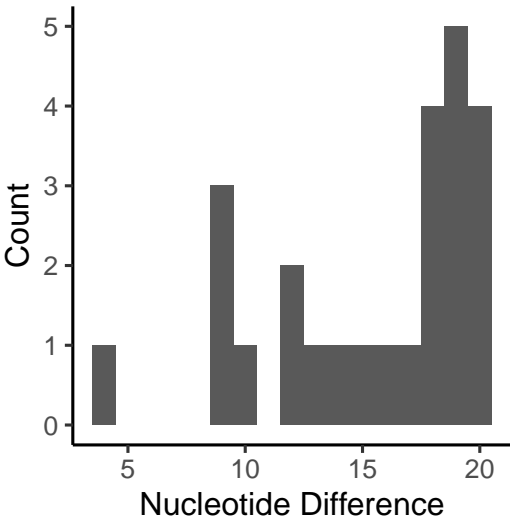
IGHV3-49*03_05

118 sequences assigned
15 (12.7%) exact matches, in which:
15 unique CDR3
5 unique J



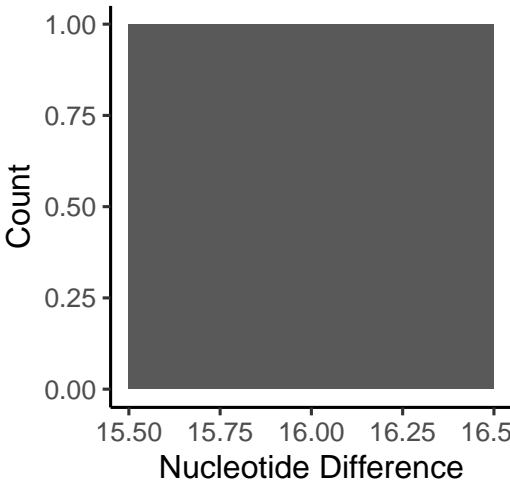
IGHV3-64*02_07

37 sequences assigned
No exact matches.



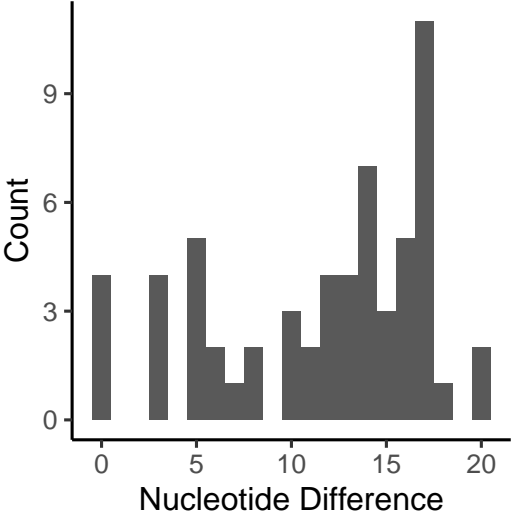
IGHV3-69-1*01

3 sequences assigned
No exact matches.



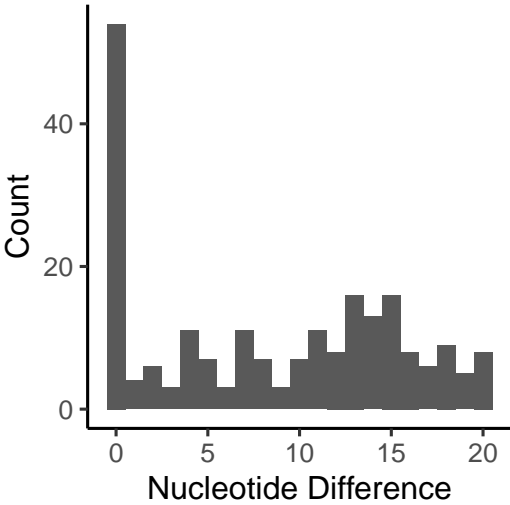
IGHV3-72*01

76 sequences assigned
4 (5.3%) exact matches, in which:
4 unique CDR3
2 unique J



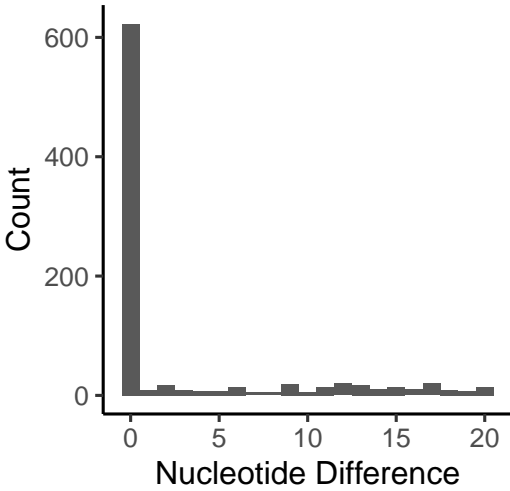
IGHV3-74*01_02

268 sequences assigned
54 (20.1%) exact matches, in which:
54 unique CDR3
6 unique J



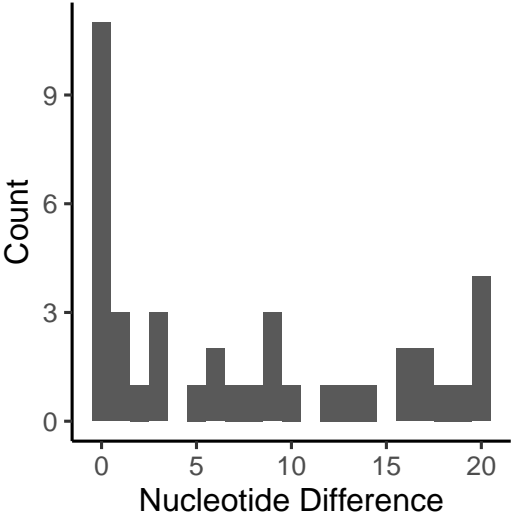
IGHV4-4*07

1014 sequences assigned
623 (61.4%) exact matches, in which:
621 unique CDR3
7 unique J



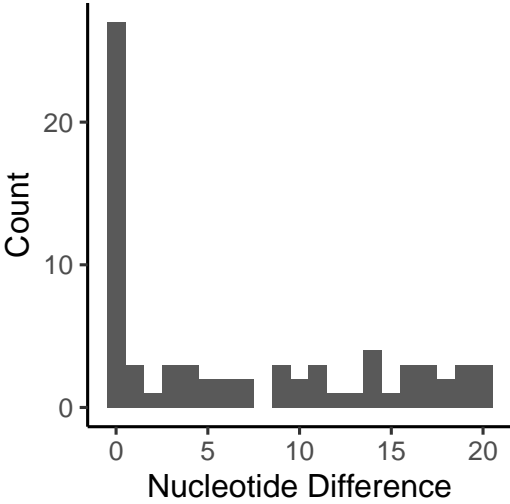
IGHV3-73*01_02

54 sequences assigned
11 (20.4%) exact matches, in which:
11 unique CDR3
4 unique J



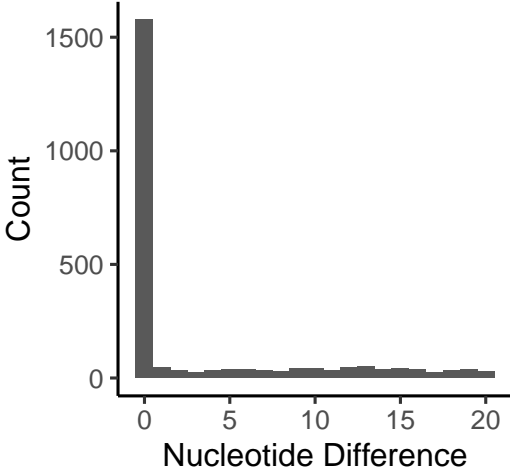
IGHV3-43D*04

94 sequences assigned
27 (28.7%) exact matches, in which:
27 unique CDR3
6 unique J



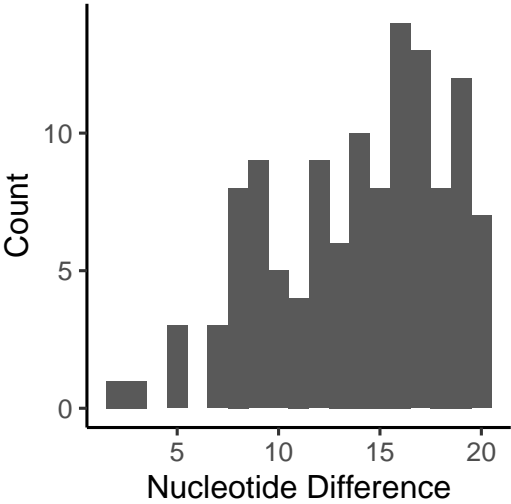
IGHV4-4*09

2660 sequences assigned
1577 (59.3%) exact matches, in which:
1559 unique CDR3
7 unique J



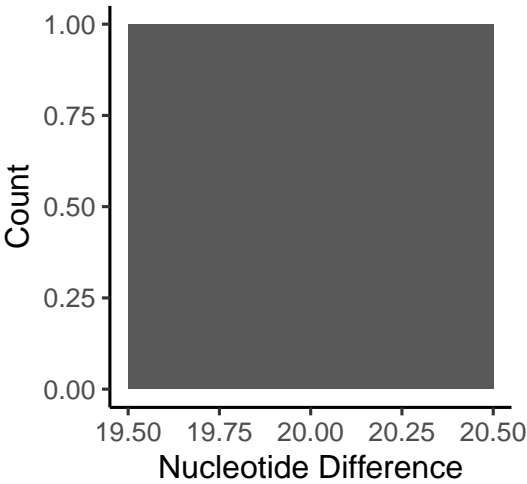
IGHV3-74*03

194 sequences assigned
No exact matches.



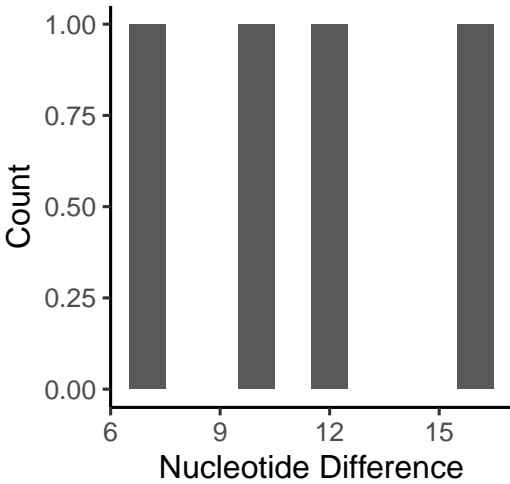
IGHV3-64D*06

1 sequences assigned
No exact matches.



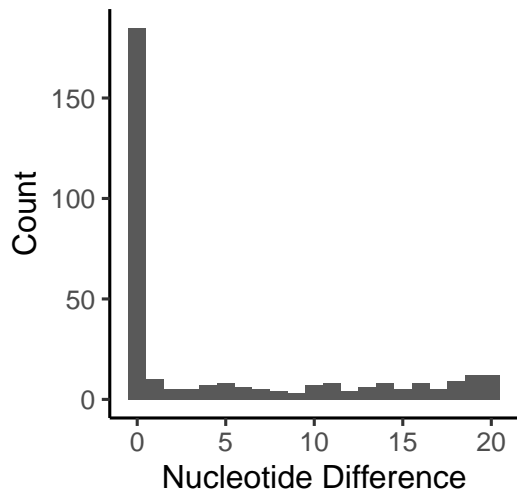
IGHV4-28*06

5 sequences assigned
No exact matches.



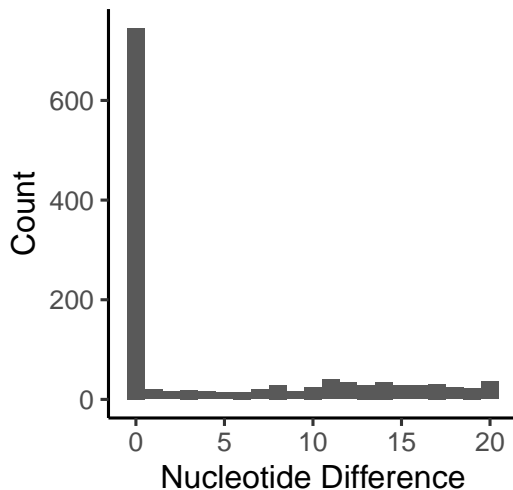
IGHV4–31*02

472 sequences assigned
185 (39.2%) exact matches, in which:
184 unique CDR3
6 unique J



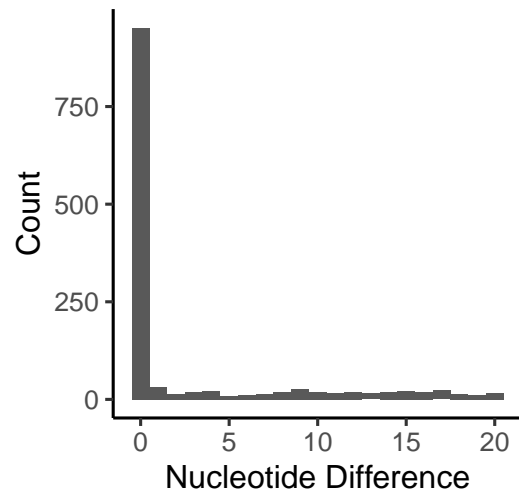
IGHV4–39*07

1593 sequences assigned
746 (46.8%) exact matches, in which:
741 unique CDR3
6 unique J



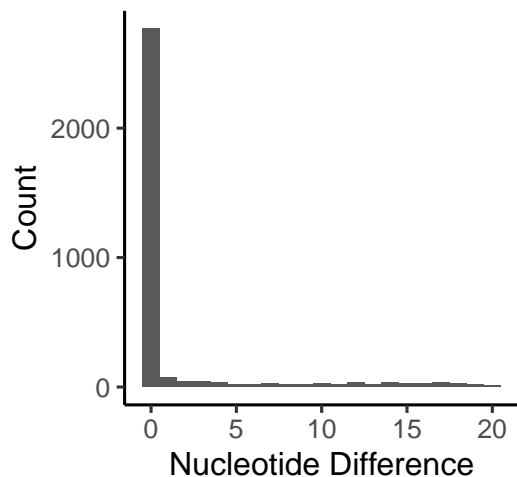
IGHV4–59*02_G88A

1570 sequences assigned
952 (60.6%) exact matches, in which:
944 unique CDR3
6 unique J



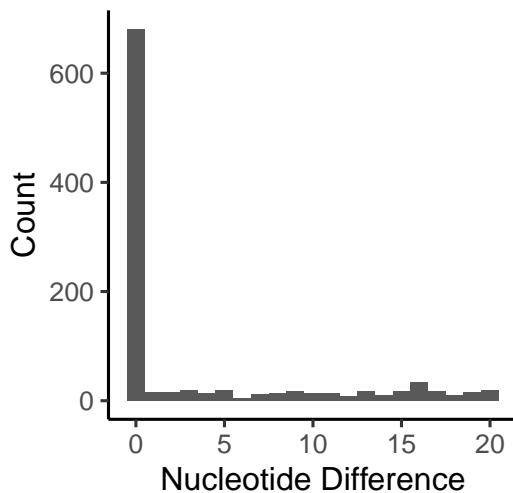
IGHV4–34*01_02

3603 sequences assigned
2768 (76.8%) exact matches, in which:
2754 unique CDR3
7 unique J



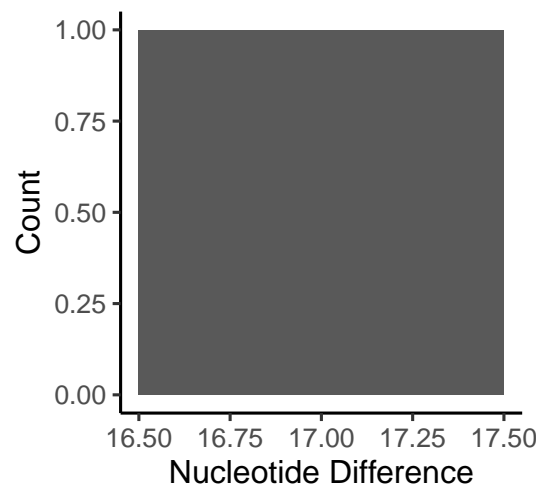
IGHV4–39*02_C258G

1239 sequences assigned
681 (55%) exact matches, in which:
678 unique CDR3
6 unique J



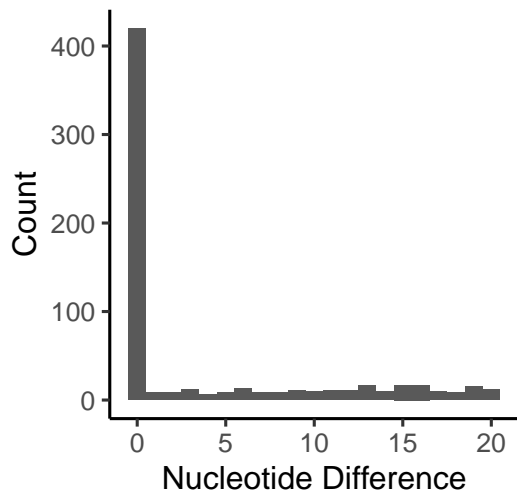
IGHV1/OR15–1*04

2 sequences assigned
No exact matches.



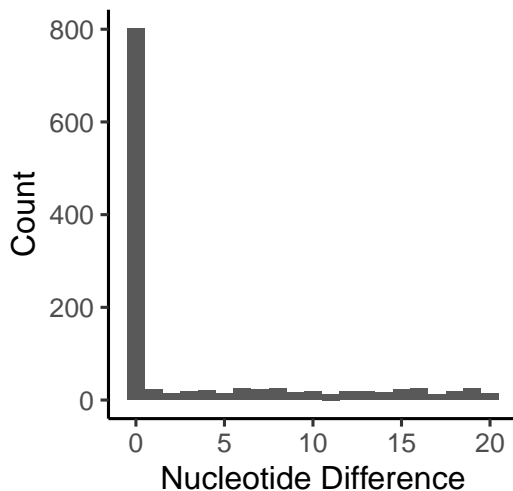
IGHV4–38–2*02_A70G

764 sequences assigned
420 (55%) exact matches, in which:
416 unique CDR3
6 unique J



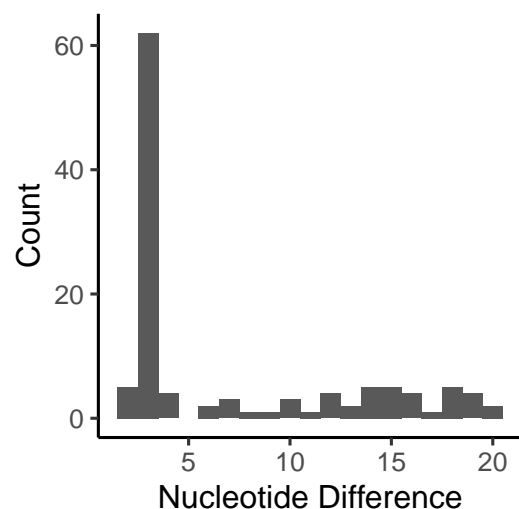
IGHV4–59*08

1426 sequences assigned
802 (56.2%) exact matches, in which:
793 unique CDR3
7 unique J



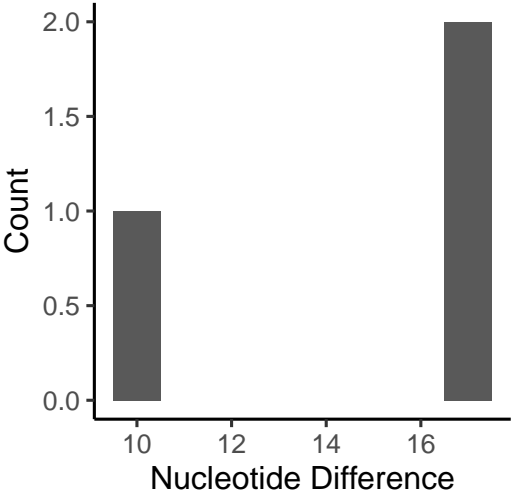
IGHV4/OR15–8*01

205 sequences assigned
No exact matches.



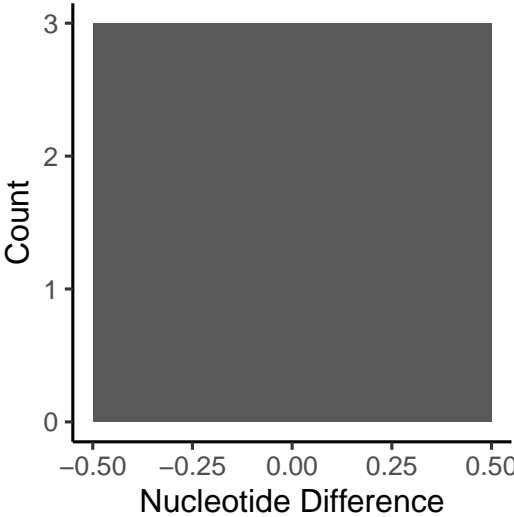
IGHV4/OR15-8*02

38 sequences assigned
No exact matches.



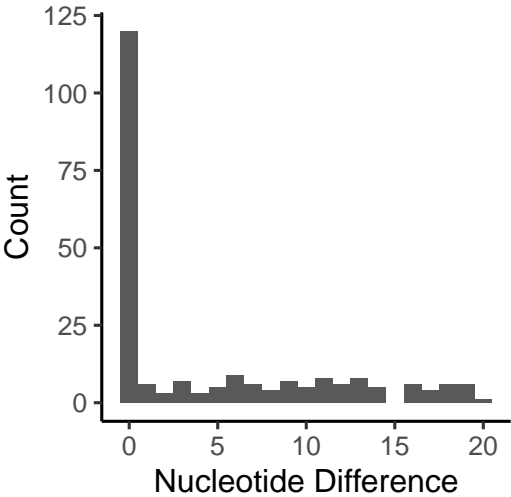
IGHV7-4-1*01

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



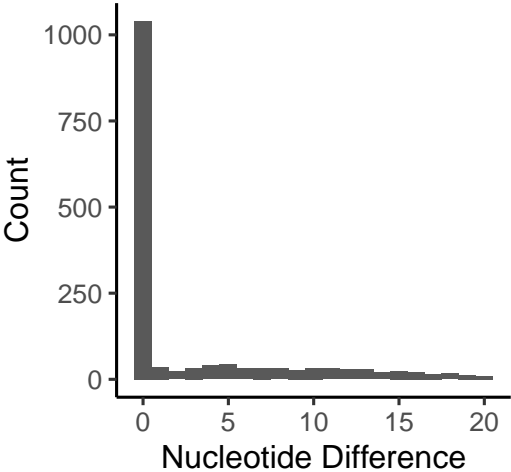
IGHV5-51*07_A128G

270 sequences assigned
120 (44.4%) exact matches, in which:
120 unique CDR3
7 unique J

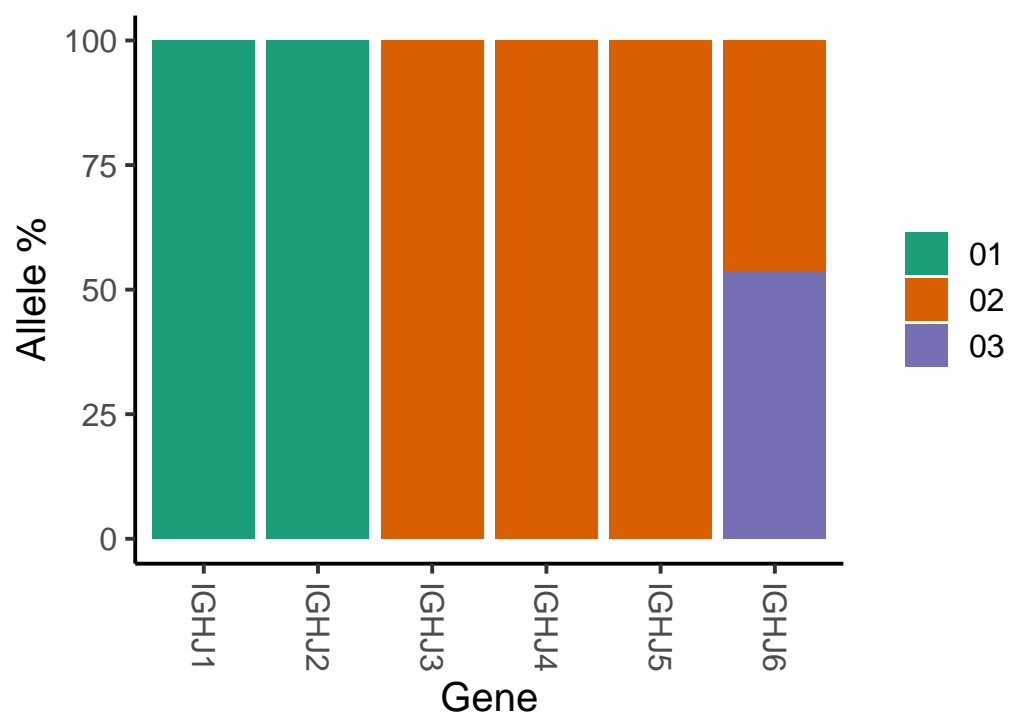


IGHV6-1*01_02

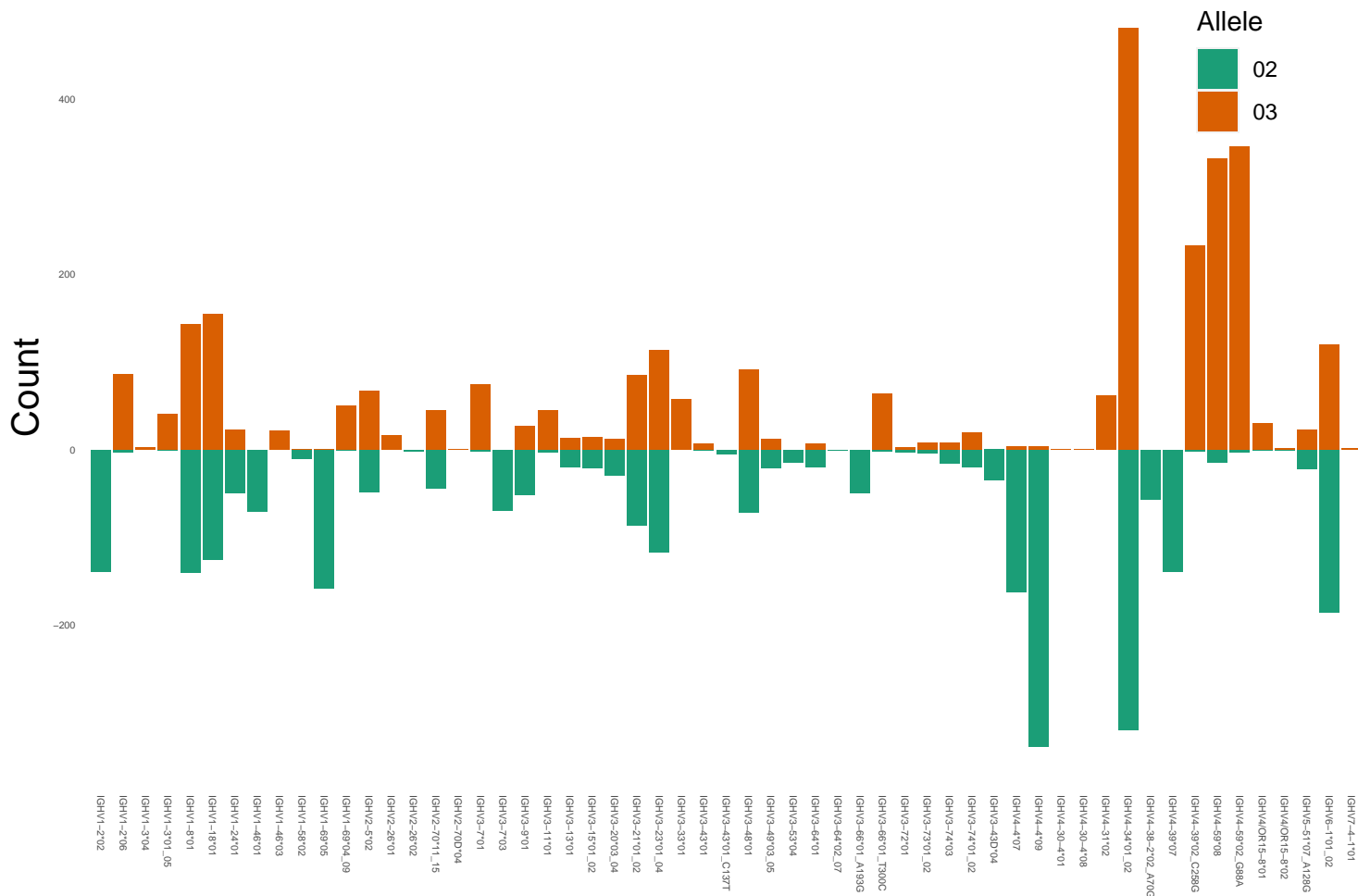
1632 sequences assigned
1040 (63.7%) exact matches, in which:
1039 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.