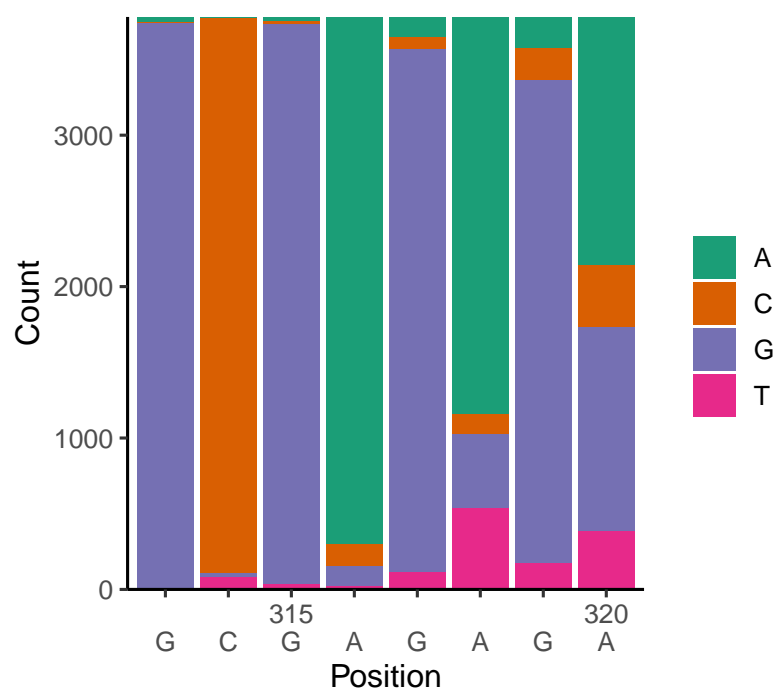
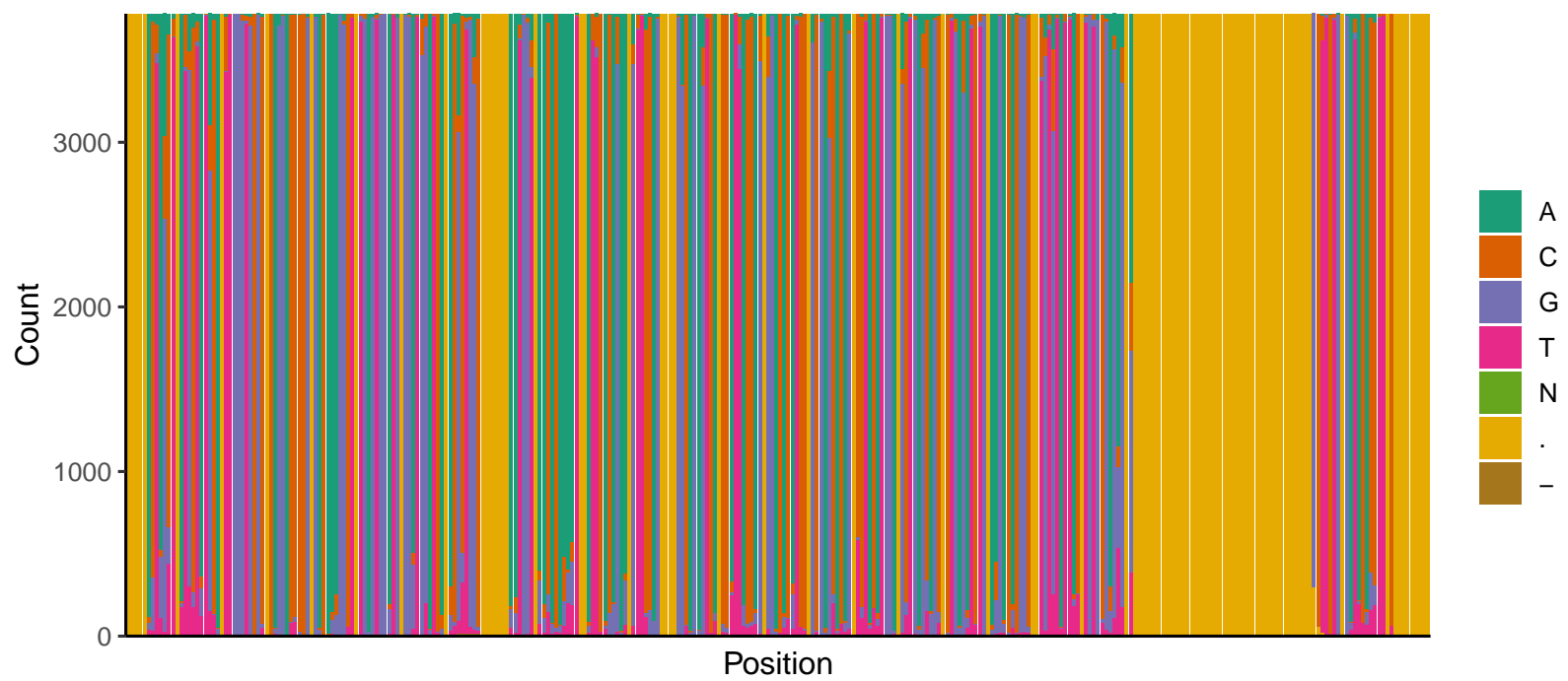


Gene IGHV1-3*01_05_C134A



Gene IGHV1-3*01_05_C134A



IGHV1-3*01_05_C134A- Final 3 nucleotides as a triplet

Count

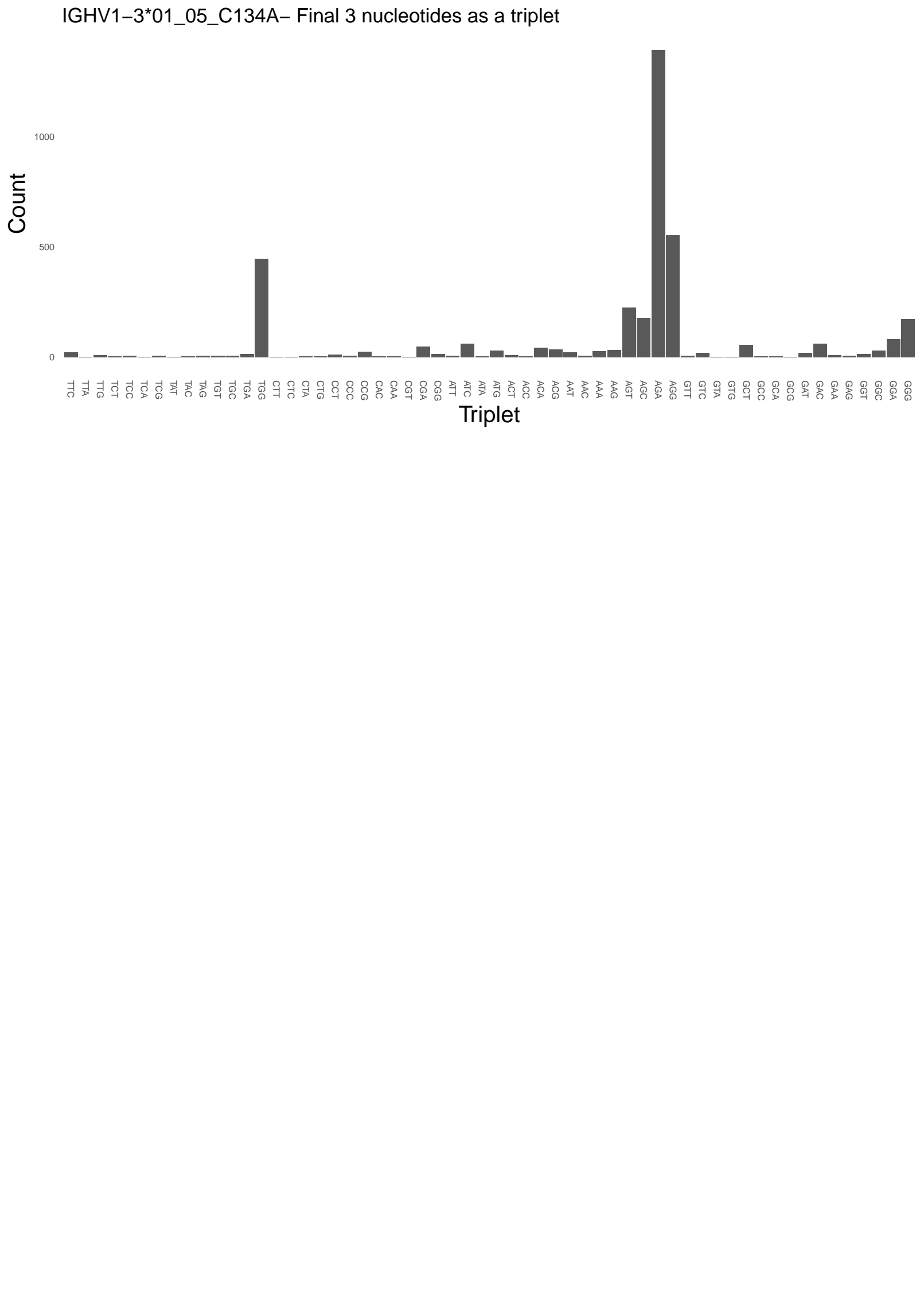
1000

500

0

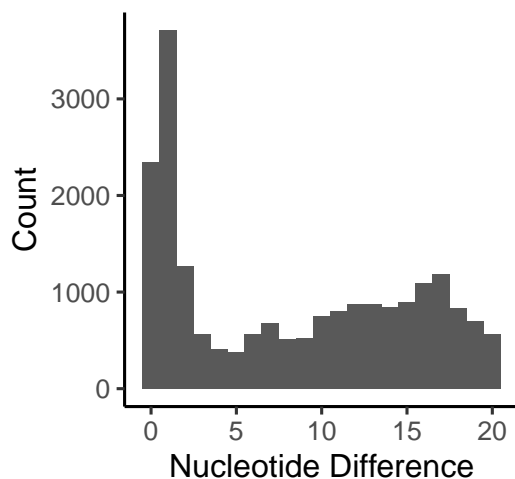
Triplet

TTC TTA TTG TCT TCA TCG TAT TAG TAC TGT TGC TGA TGG CTT CTC CTG CTA CCT CCC CCG CAC CAA CGT CGA CGG ATT ATC ATA ATG ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTC GTA GTG GCT GCC GCA GCG GAT GAC GAA GAG GGT GGC GGA GGG



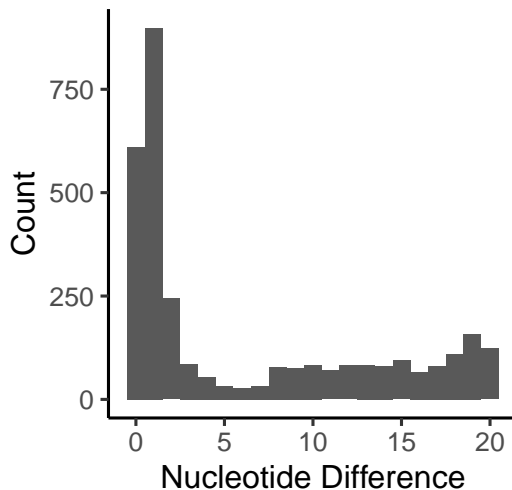
IGHV1-2*02

24999 sequences assigned
2341 (9.4%) exact matches, in which:
1605 unique CDR3
7 unique J



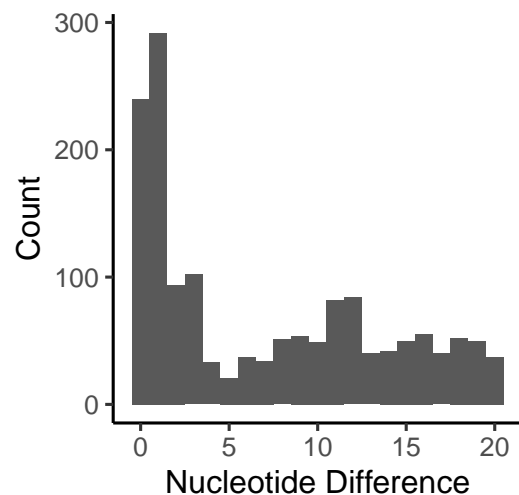
IGHV1-3*01_05_C134A

3781 sequences assigned
610 (16.1%) exact matches, in which:
416 unique CDR3
7 unique J



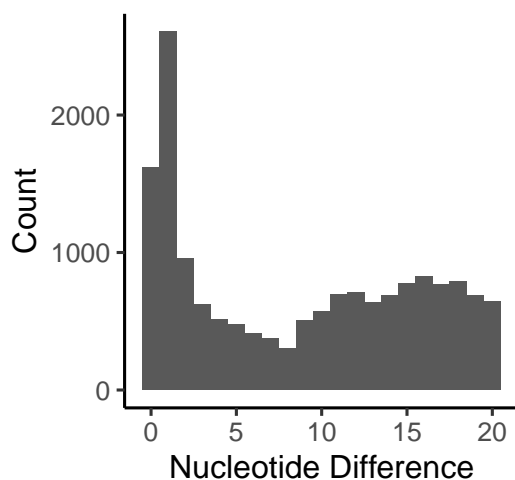
IGHV1-24*01

1658 sequences assigned
240 (14.5%) exact matches, in which:
183 unique CDR3
7 unique J



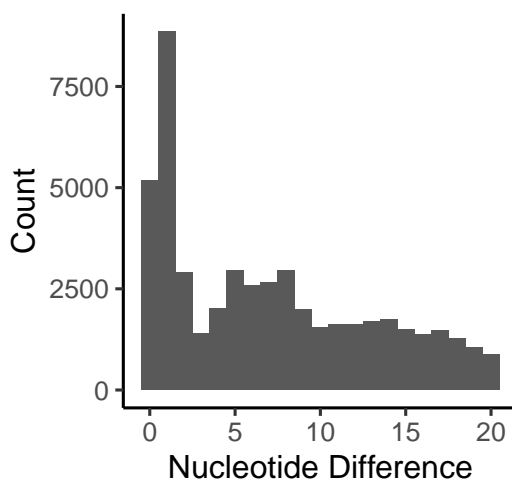
IGHV1-2*06

19808 sequences assigned
1620 (8.2%) exact matches, in which:
1087 unique CDR3
7 unique J



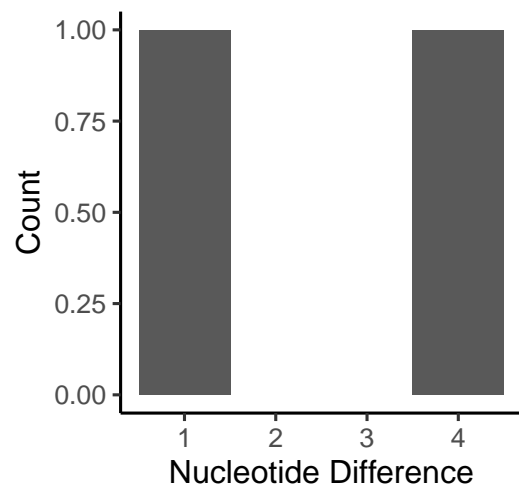
IGHV1-8*01

53364 sequences assigned
5183 (9.7%) exact matches, in which:
3349 unique CDR3
7 unique J



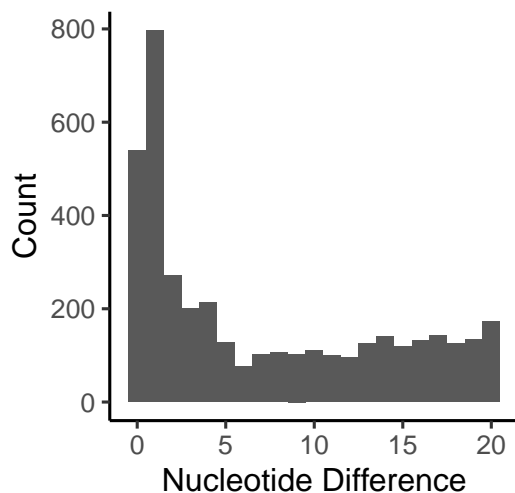
IGHV1-38-4*01

2 sequences assigned
No exact matches.



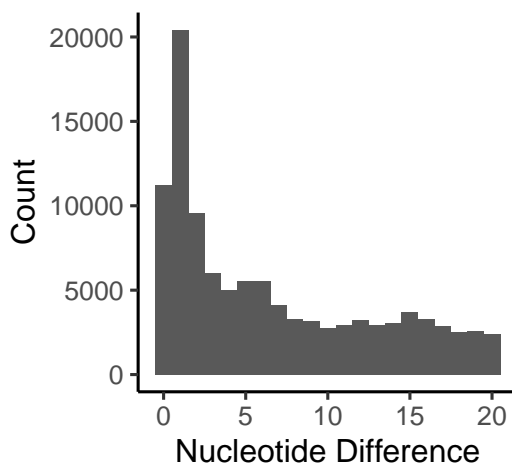
IGHV1-3*01_05

5033 sequences assigned
540 (10.7%) exact matches, in which:
398 unique CDR3
7 unique J



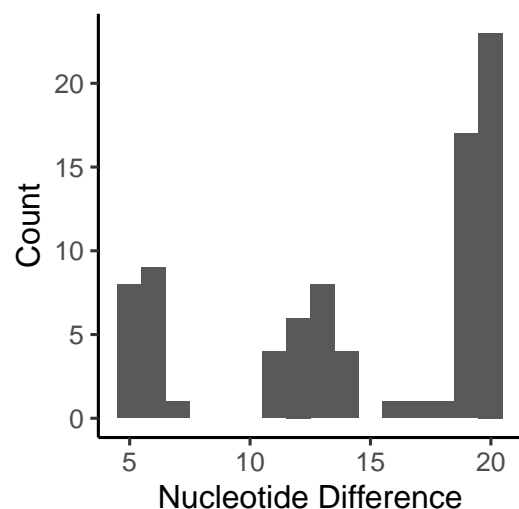
IGHV1-18*01

118874 sequences assigned
11204 (9.4%) exact matches, in which:
7234 unique CDR3
7 unique J



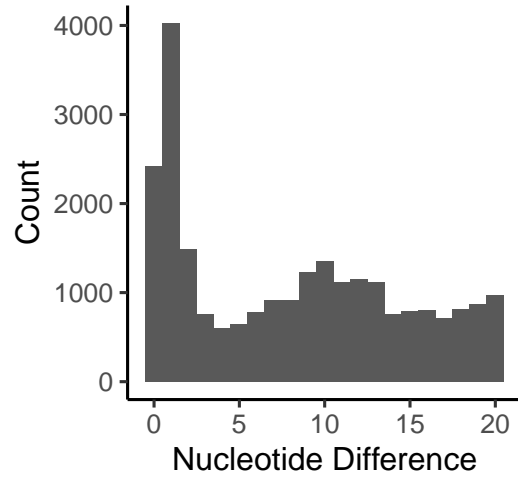
IGHV1-45*02

114 sequences assigned
No exact matches.



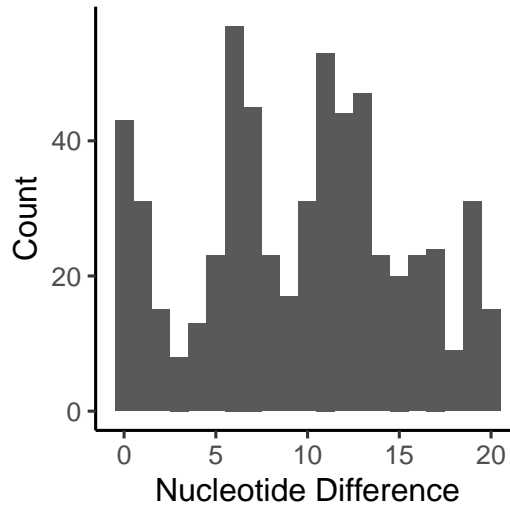
IGHV1-46*01

30418 sequences assigned
2415 (7.9%) exact matches, in which:
1660 unique CDR3
7 unique J



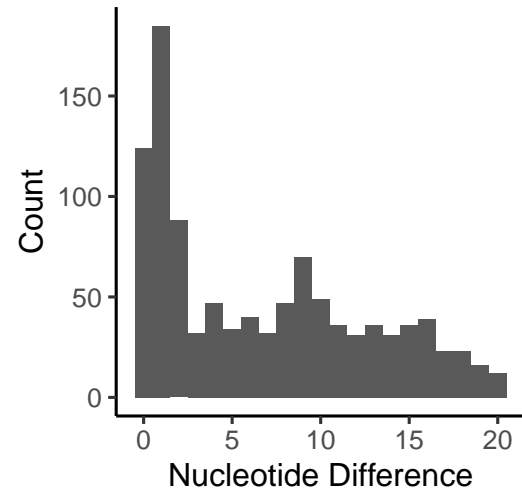
IGHV1-69-2*01

752 sequences assigned
43 (5.7%) exact matches, in which:
33 unique CDR3
5 unique J



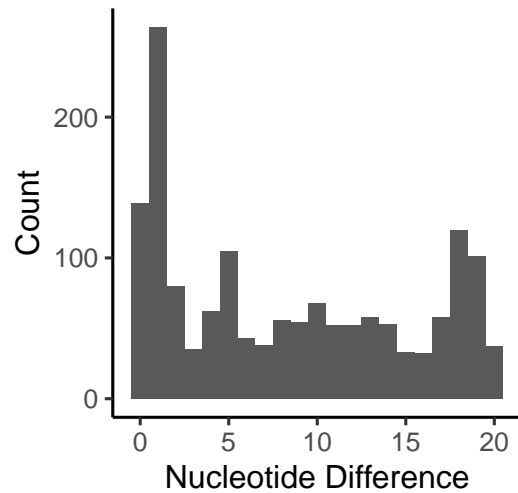
IGHV2-5*01

1084 sequences assigned
124 (11.4%) exact matches, in which:
99 unique CDR3
7 unique J



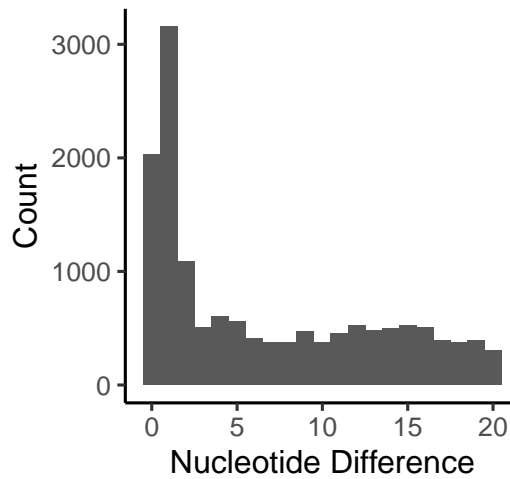
IGHV1-58*02

2244 sequences assigned
139 (6.2%) exact matches, in which:
86 unique CDR3
6 unique J



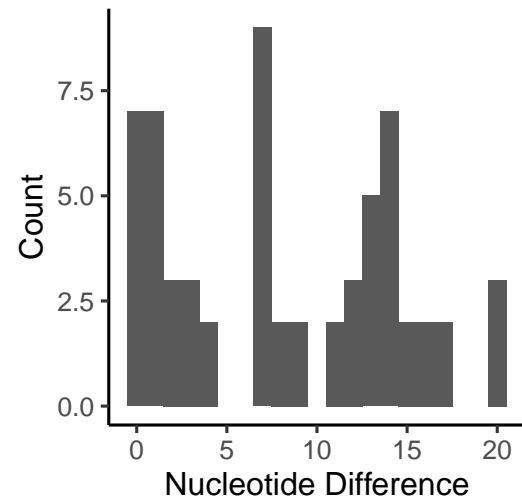
IGHV1-69*05

17556 sequences assigned
2034 (11.6%) exact matches, in which:
1385 unique CDR3
7 unique J



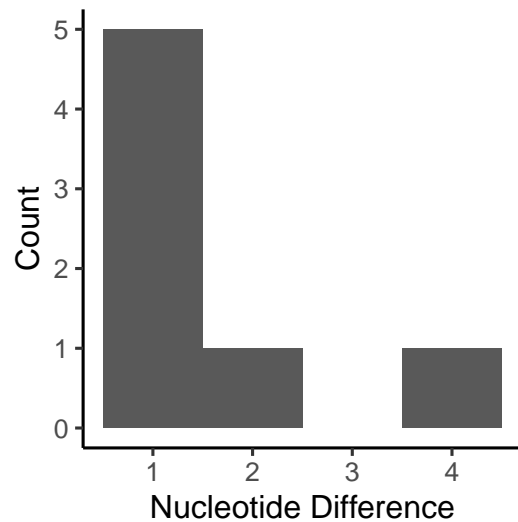
IGHV2-26*01

70 sequences assigned
7 (10%) exact matches, in which:
5 unique CDR3
3 unique J



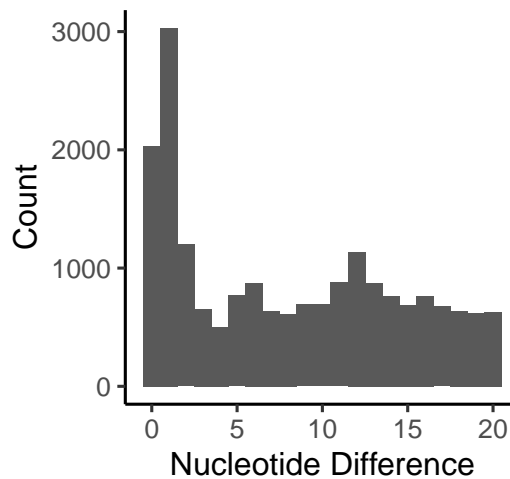
IGHV1-68*02_03

7 sequences assigned
No exact matches.



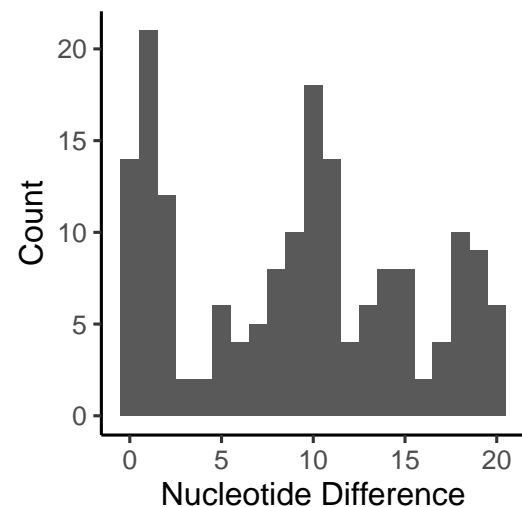
IGHV1-69*01_12_13

24734 sequences assigned
2030 (8.2%) exact matches, in which:
1400 unique CDR3
7 unique J



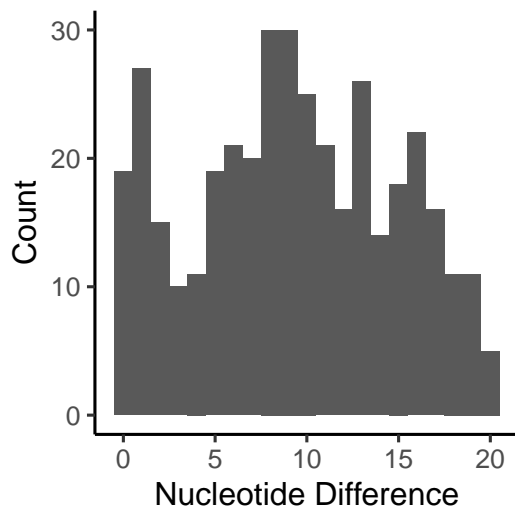
IGHV2-70*20

190 sequences assigned
14 (7.4%) exact matches, in which:
12 unique CDR3
3 unique J



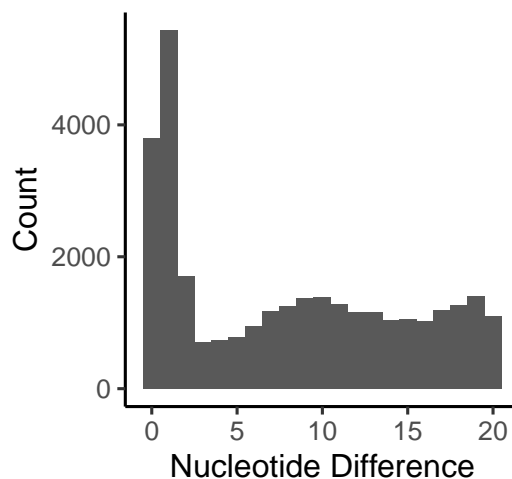
IGHV2-70*11_15

422 sequences assigned
19 (4.5%) exact matches, in which:
13 unique CDR3
3 unique J



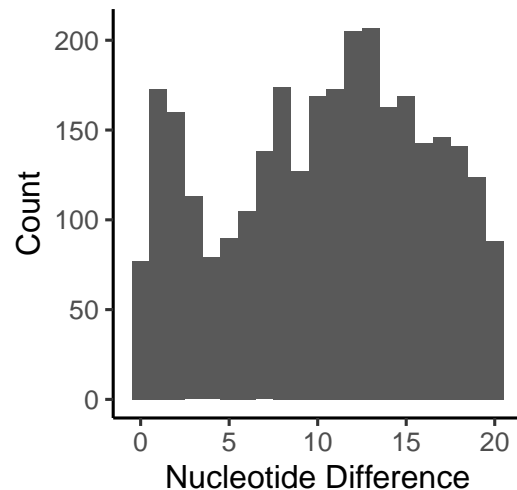
IGHV3-7*01

35367 sequences assigned
3803 (10.8%) exact matches, in which:
2517 unique CDR3
7 unique J



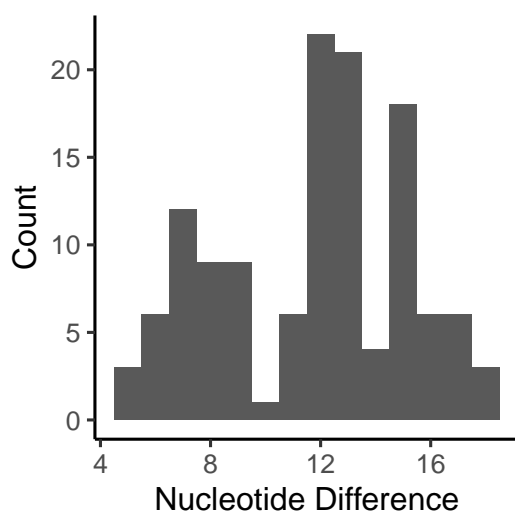
IGHV3-11*04

3441 sequences assigned
77 (2.2%) exact matches, in which:
77 unique CDR3
7 unique J



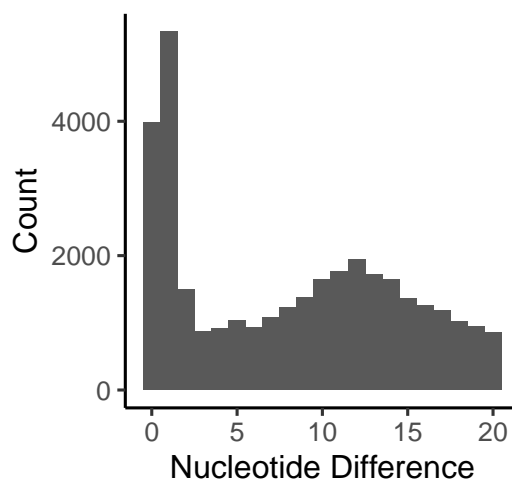
IGHV2-70*16_17

128 sequences assigned
No exact matches.



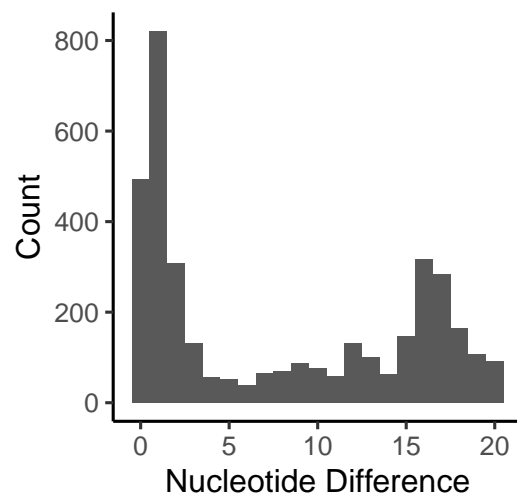
IGHV3-9*01

38466 sequences assigned
3976 (10.3%) exact matches, in which:
2653 unique CDR3
7 unique J



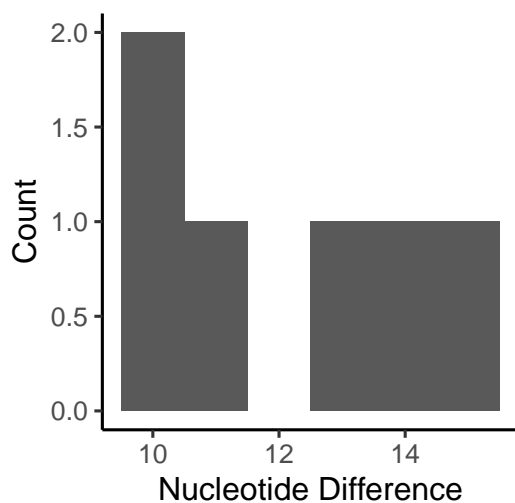
IGHV3-13*01

3940 sequences assigned
494 (12.5%) exact matches, in which:
310 unique CDR3
7 unique J



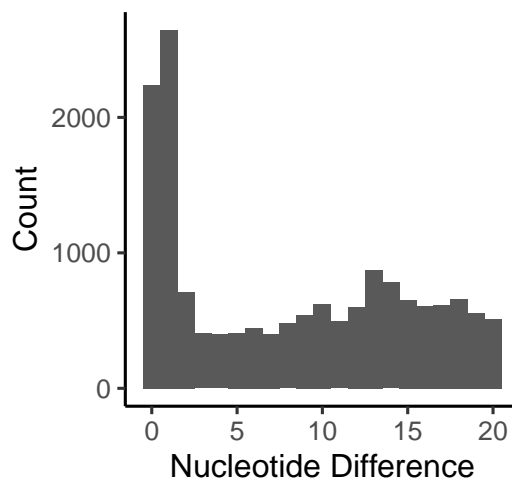
IGHV2-70D*04

8 sequences assigned
No exact matches.



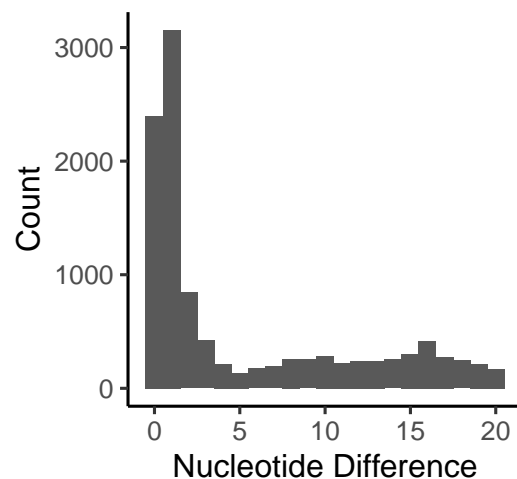
IGHV3-11*01

18094 sequences assigned
2241 (12.4%) exact matches, in which:
1557 unique CDR3
7 unique J



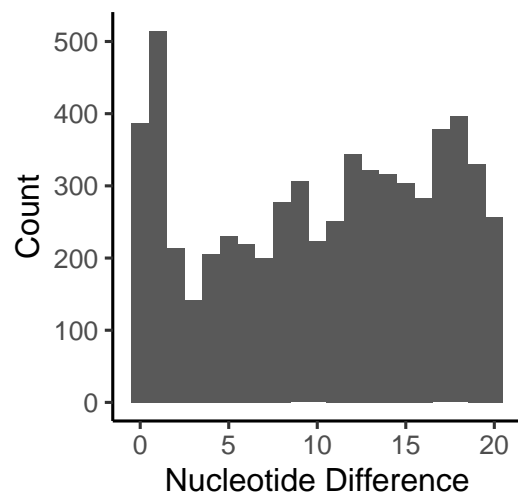
IGHV3-15*01_02

12291 sequences assigned
2396 (19.5%) exact matches, in which:
1628 unique CDR3
7 unique J



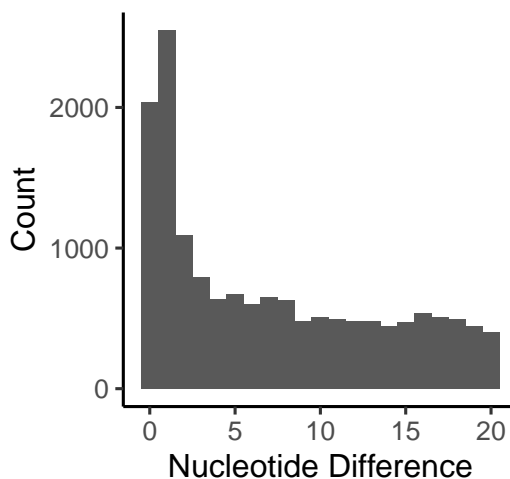
IGHV3-20*03_04

7136 sequences assigned
387 (5.4%) exact matches, in which:
259 unique CDR3
7 unique J



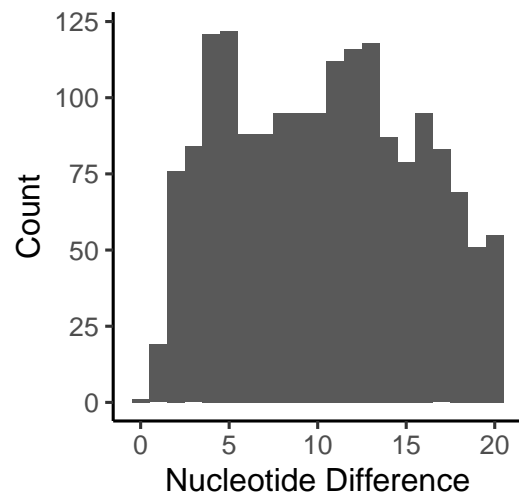
IGHV3-21*01_02

17278 sequences assigned
2037 (11.8%) exact matches, in which:
1436 unique CDR3
7 unique J



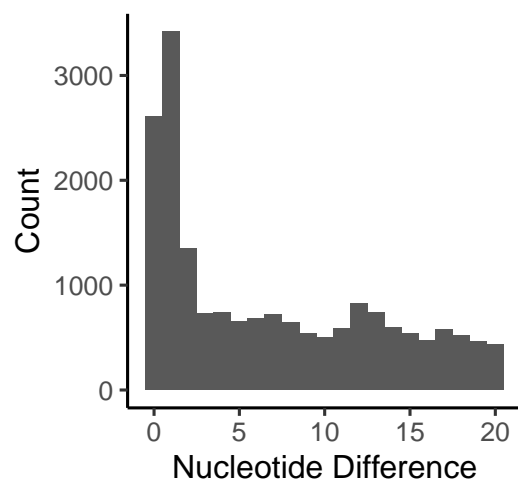
IGHV3-30-5*01

2304 sequences assigned
1 (0%) exact matches, in which:
1 unique CDR3
1 unique J



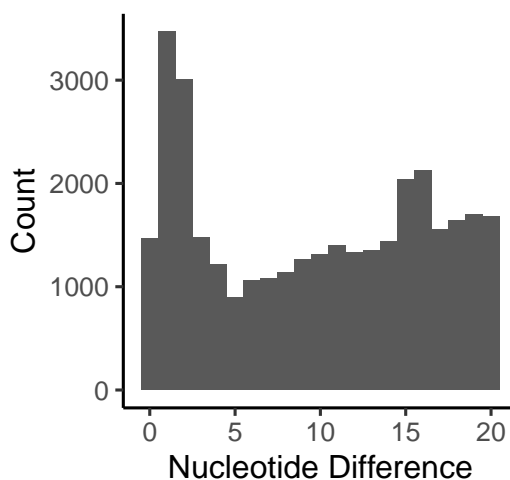
IGHV3-21*03

20169 sequences assigned
2612 (13%) exact matches, in which:
1687 unique CDR3
7 unique J



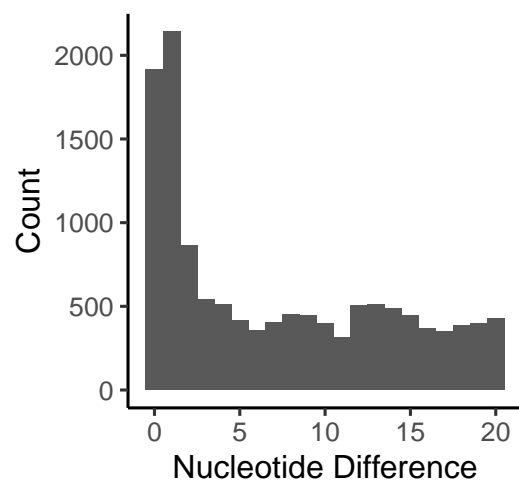
IGHV3-23*03

42732 sequences assigned
1468 (3.4%) exact matches, in which:
1025 unique CDR3
7 unique J



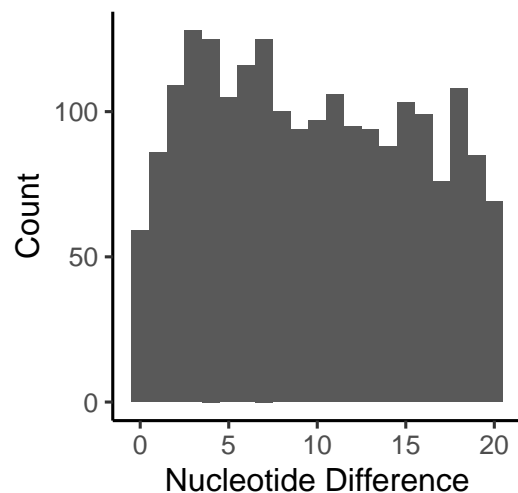
IGHV3-33*01

13761 sequences assigned
1914 (13.9%) exact matches, in which:
1312 unique CDR3
7 unique J



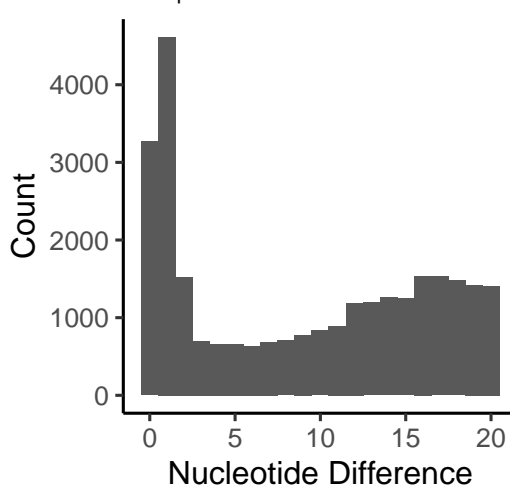
IGHV3-21*04

2554 sequences assigned
59 (2.3%) exact matches, in which:
59 unique CDR3
6 unique J



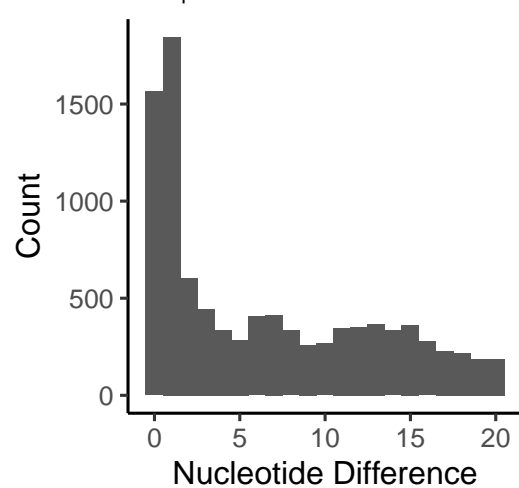
IGHV3-23*01_04

34669 sequences assigned
3270 (9.4%) exact matches, in which:
2111 unique CDR3
7 unique J



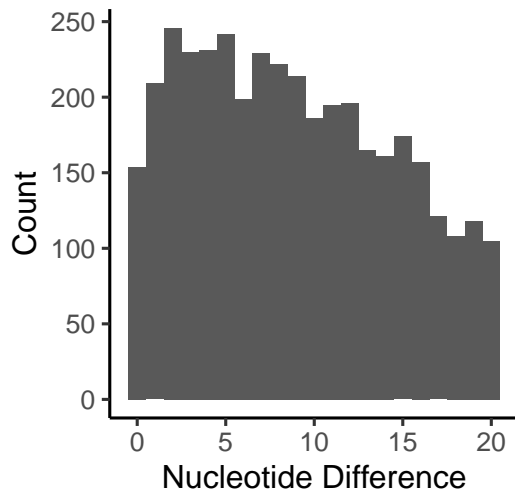
IGHV3-33*06

10423 sequences assigned
1564 (15%) exact matches, in which:
913 unique CDR3
7 unique J



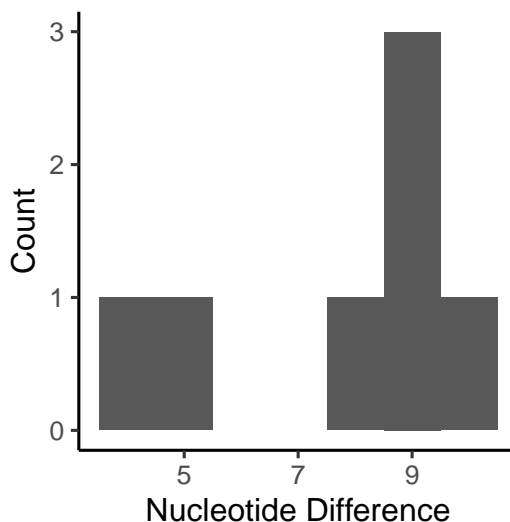
IGHV3–33*08

4307 sequences assigned
154 (3.6%) exact matches, in which:
144 unique CDR3
7 unique J



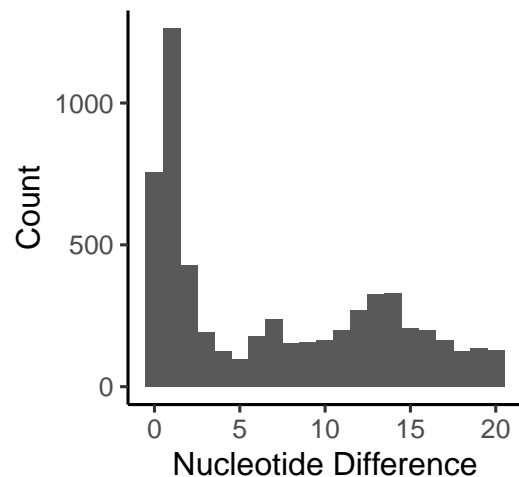
IGHV3–38*03

8 sequences assigned
No exact matches.



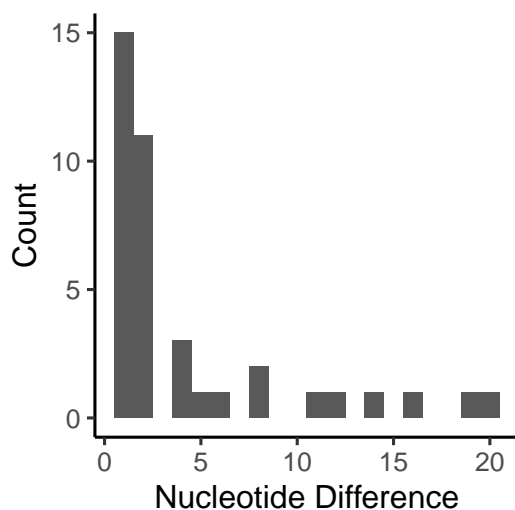
IGHV3–49*04

6984 sequences assigned
756 (10.8%) exact matches, in which:
460 unique CDR3
7 unique J



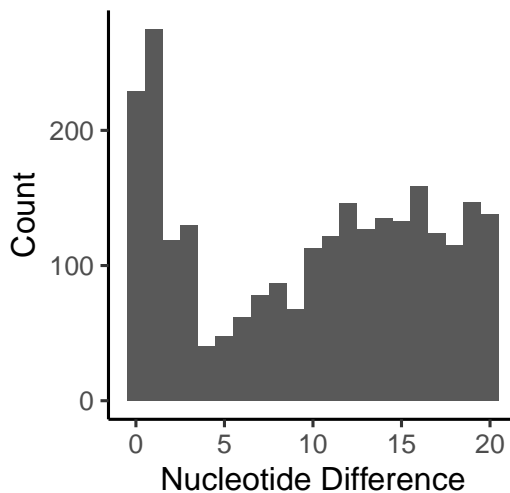
IGHV3–35*02

41 sequences assigned
No exact matches.



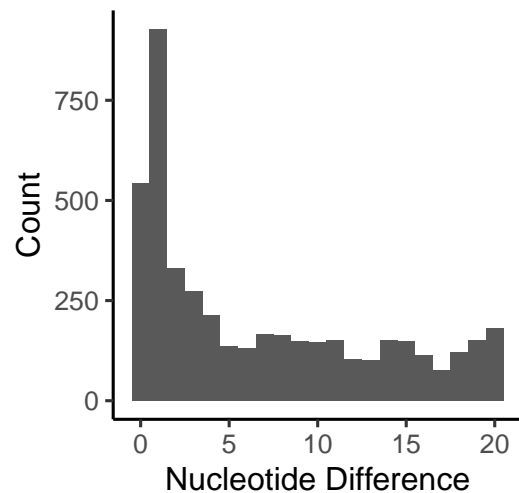
IGHV3–43*01

3285 sequences assigned
229 (7%) exact matches, in which:
176 unique CDR3
6 unique J



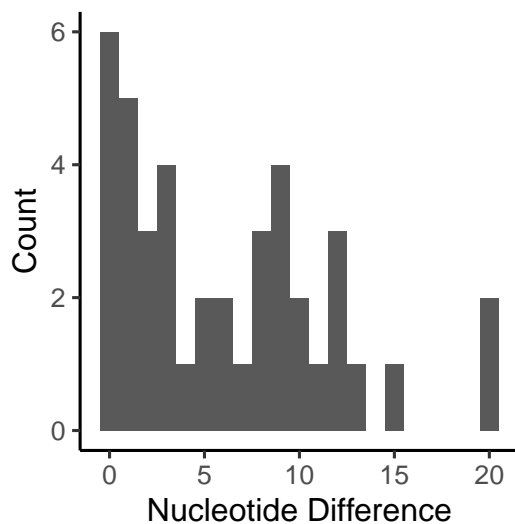
IGHV3–49*03_05

5134 sequences assigned
543 (10.6%) exact matches, in which:
347 unique CDR3
7 unique J



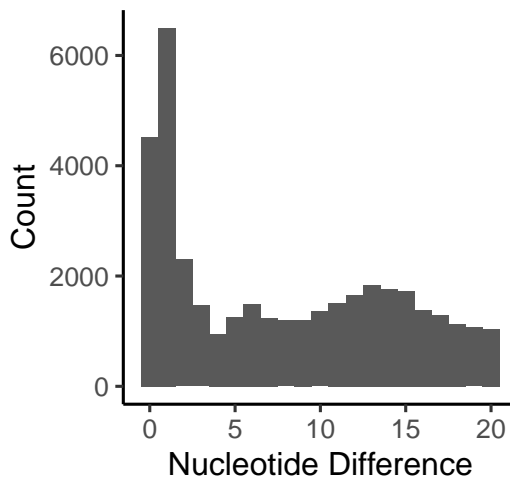
IGHV3–38–3*01

41 sequences assigned
6 (14.6%) exact matches, in which:
6 unique CDR3
3 unique J



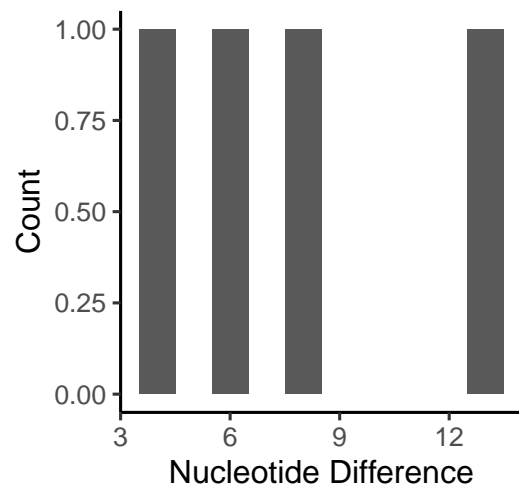
IGHV3–48*03

42959 sequences assigned
4522 (10.5%) exact matches, in which:
2922 unique CDR3
7 unique J



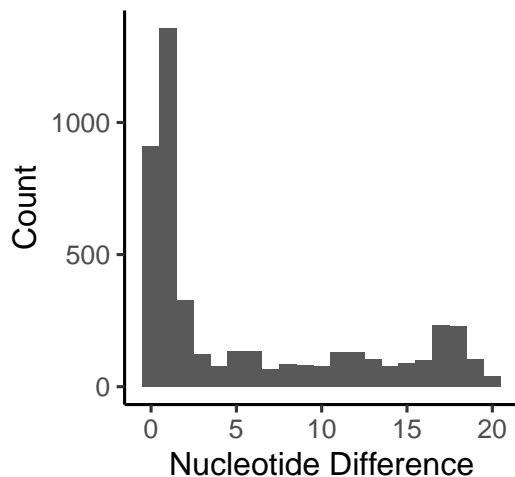
IGHV3–52*01_03

4 sequences assigned
No exact matches.



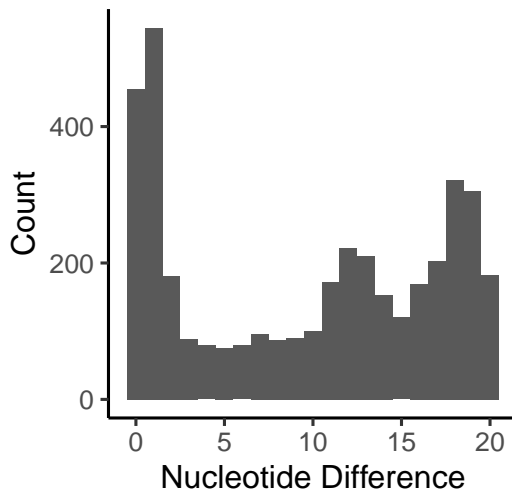
IGHV3-53*04

5054 sequences assigned
909 (18%) exact matches, in which:
570 unique CDR3
7 unique J



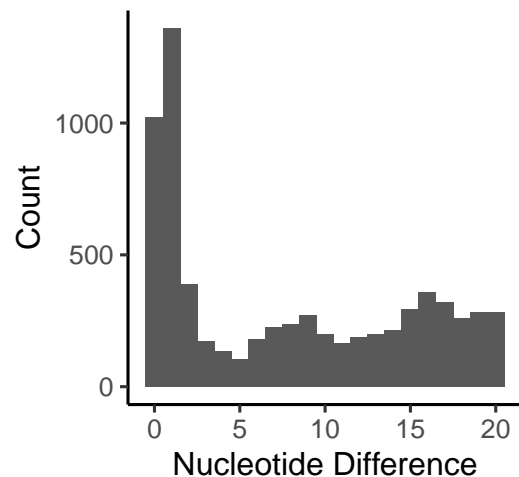
IGHV3-64*01

4644 sequences assigned
455 (9.8%) exact matches, in which:
313 unique CDR3
7 unique J



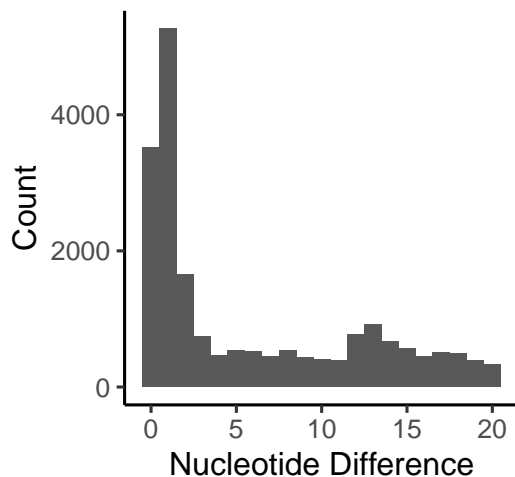
IGHV3-66*02

8415 sequences assigned
1023 (12.2%) exact matches, in which:
674 unique CDR3
7 unique J



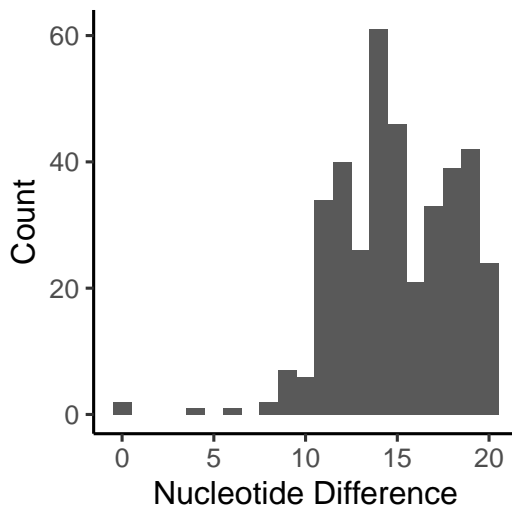
IGHV3-53*05

22547 sequences assigned
3526 (15.6%) exact matches, in which:
2257 unique CDR3
7 unique J



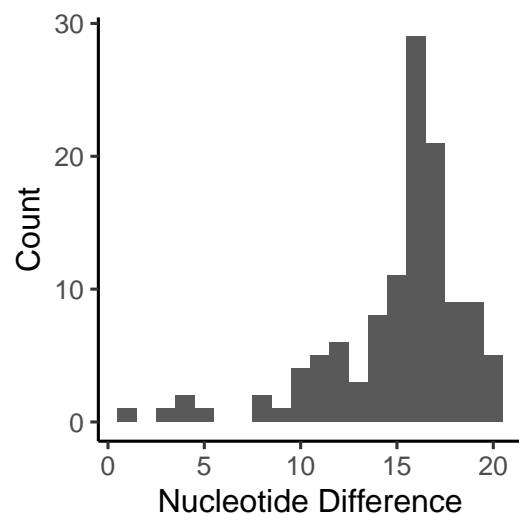
IGHV3-64*02_07

622 sequences assigned
2 (0.3%) exact matches, in which:
2 unique CDR3
1 unique J



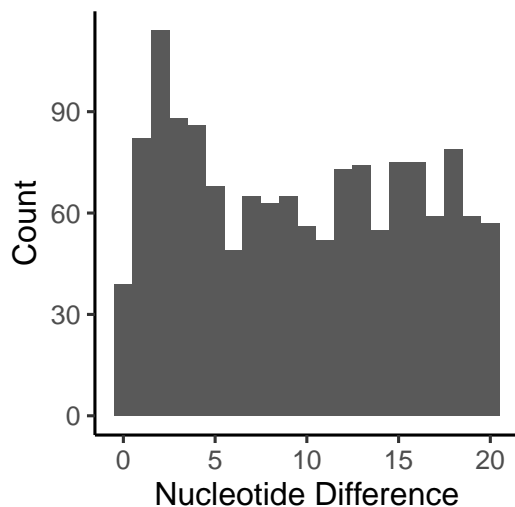
IGHV3-69-1*01

185 sequences assigned
No exact matches.



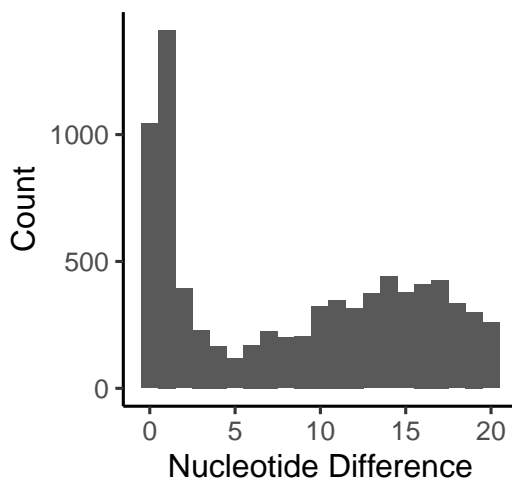
IGHV3-53*01_02

1870 sequences assigned
39 (2.1%) exact matches, in which:
38 unique CDR3
5 unique J



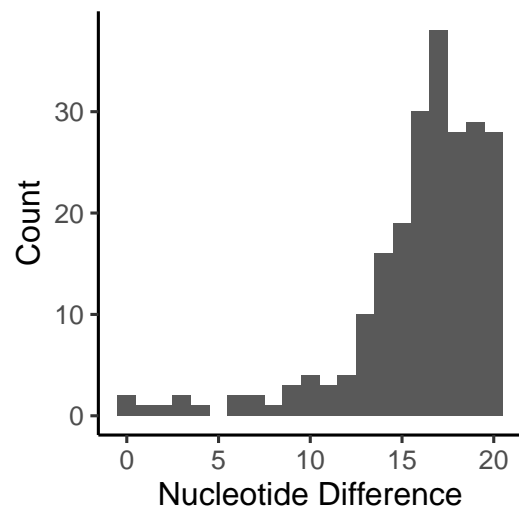
IGHV3-66*01

10177 sequences assigned
1044 (10.3%) exact matches, in which:
697 unique CDR3
7 unique J



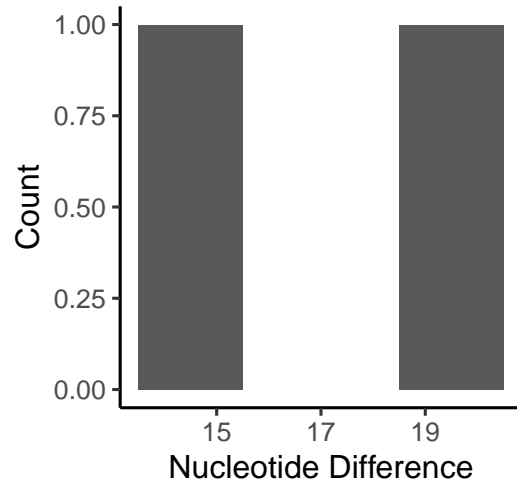
IGHV3-69-1*02

376 sequences assigned
2 (0.5%) exact matches, in which:
2 unique CDR3
1 unique J



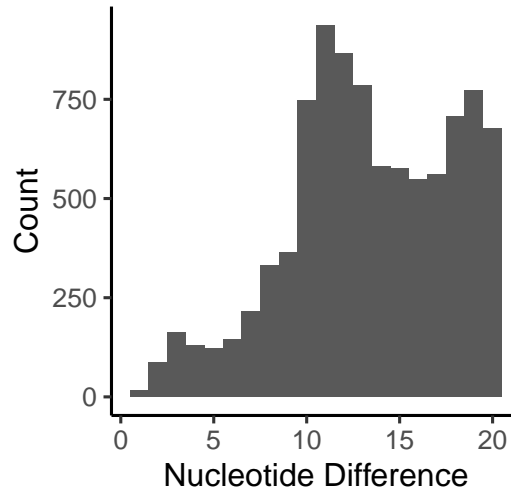
IGHV3-71*01_04

23 sequences assigned
No exact matches.



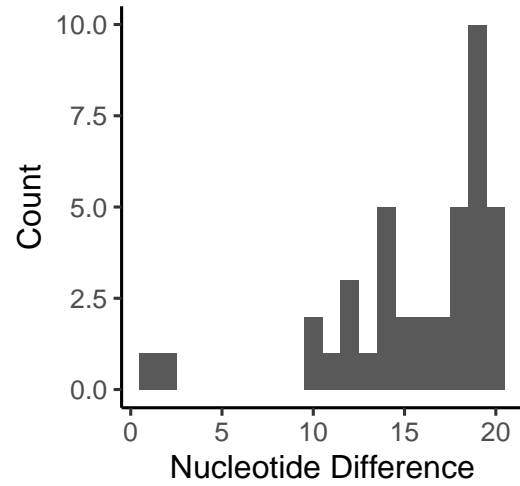
IGHV3-74*03

12883 sequences assigned
No exact matches.



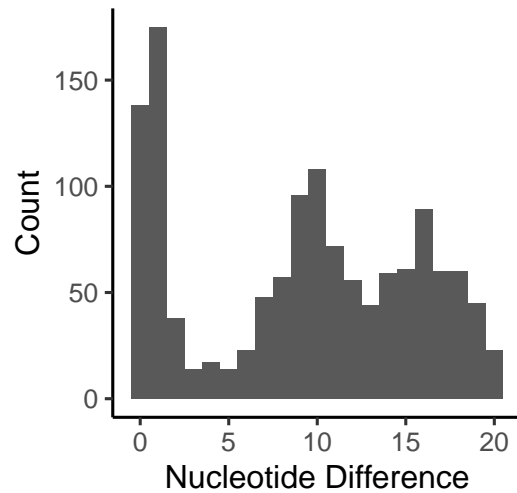
IGHV3-43D*04

89 sequences assigned
No exact matches.



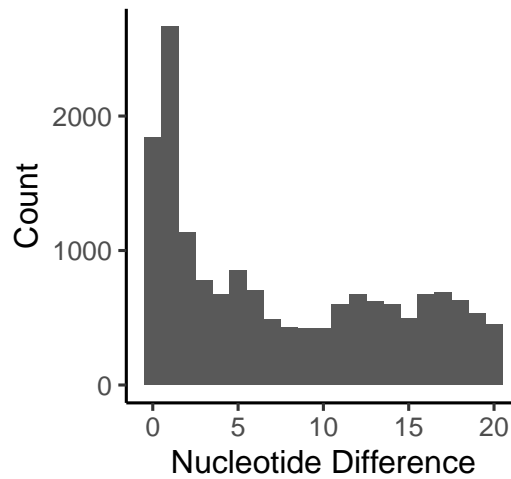
IGHV3-72*01

1921 sequences assigned
138 (7.2%) exact matches, in which:
101 unique CDR3
4 unique J



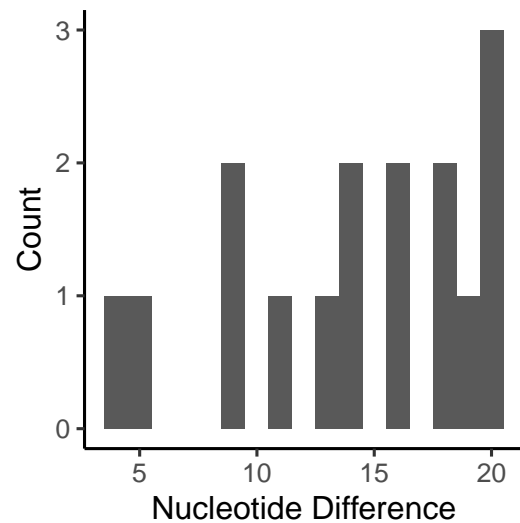
IGHV3-74*01_02

19118 sequences assigned
1837 (9.6%) exact matches, in which:
1199 unique CDR3
7 unique J



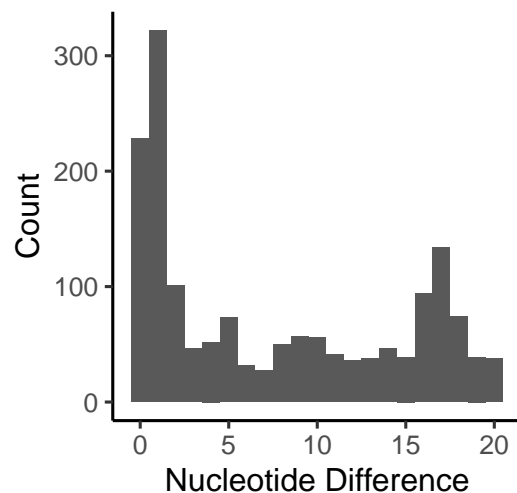
IGHV3-64D*06

19 sequences assigned
No exact matches.



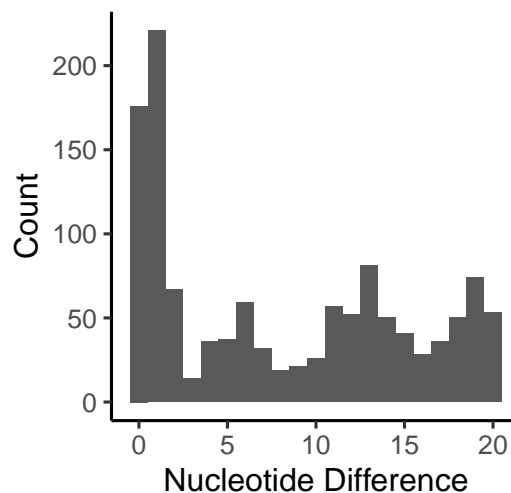
IGHV3-73*01_02

1942 sequences assigned
228 (11.7%) exact matches, in which:
155 unique CDR3
6 unique J



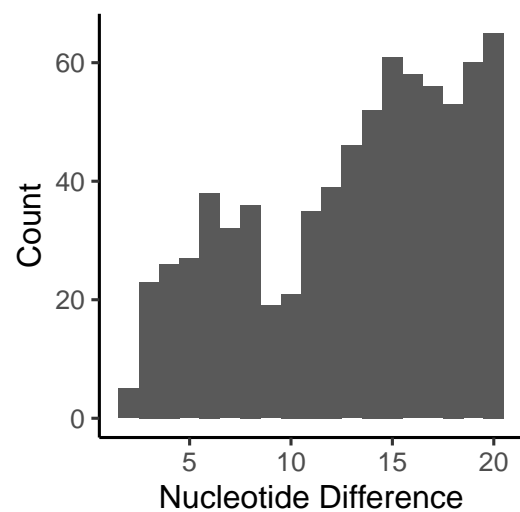
IGHV3-43D*03

1371 sequences assigned
176 (12.8%) exact matches, in which:
124 unique CDR3
7 unique J



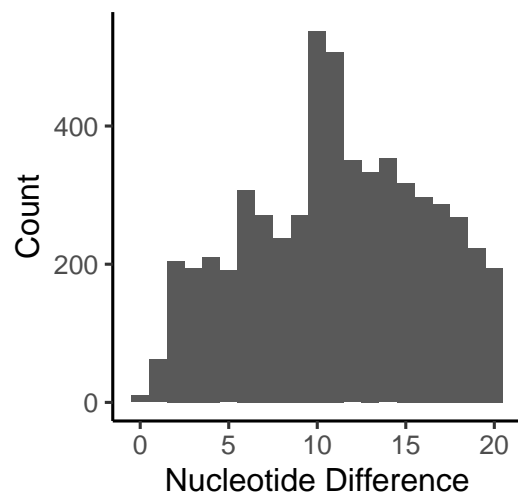
IGHV3-NL1*01

1076 sequences assigned
No exact matches.



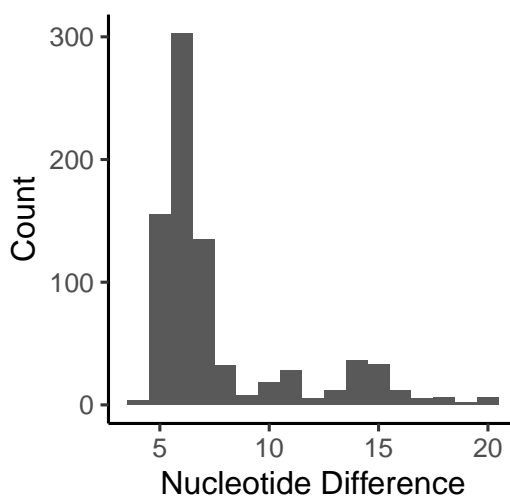
IGHV4-4*07

6437 sequences assigned
10 (0.2%) exact matches, in which:
10 unique CDR3
5 unique J



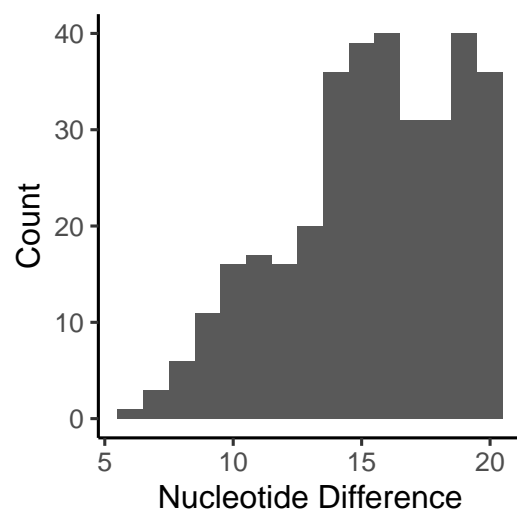
IGHV4-28*01_07

856 sequences assigned
No exact matches.



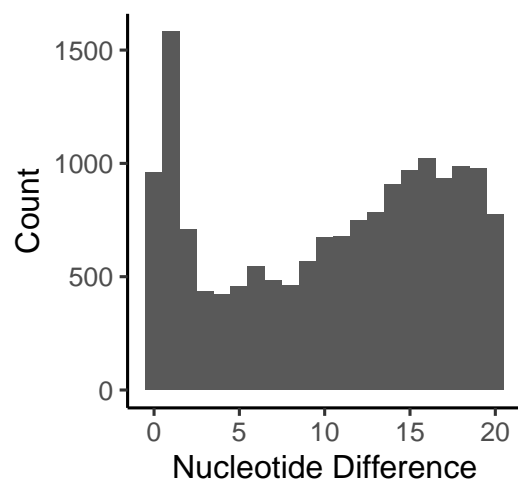
IGHV4-30-4*01

548 sequences assigned
No exact matches.



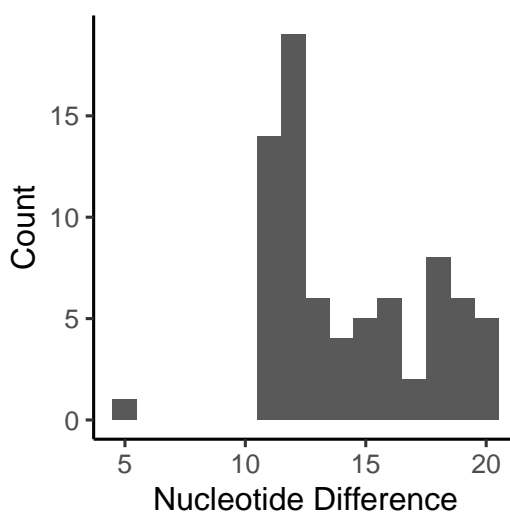
IGHV4-4*02_03

20011 sequences assigned
958 (4.8%) exact matches, in which:
607 unique CDR3
7 unique J



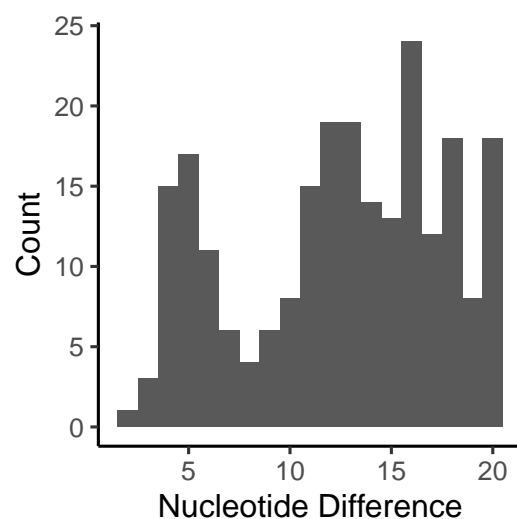
IGHV4-28*02_05

110 sequences assigned
No exact matches.



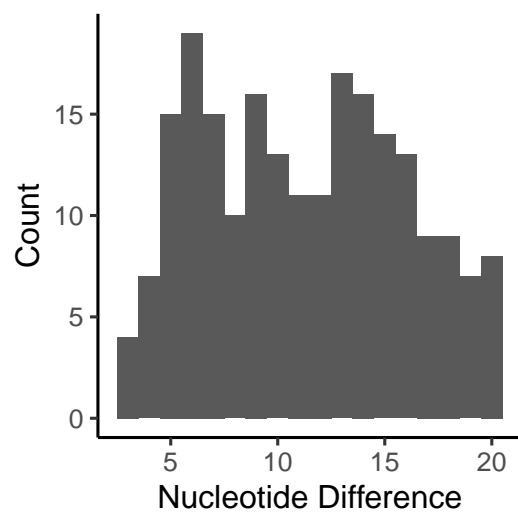
IGHV4-30-4*07

320 sequences assigned
No exact matches.



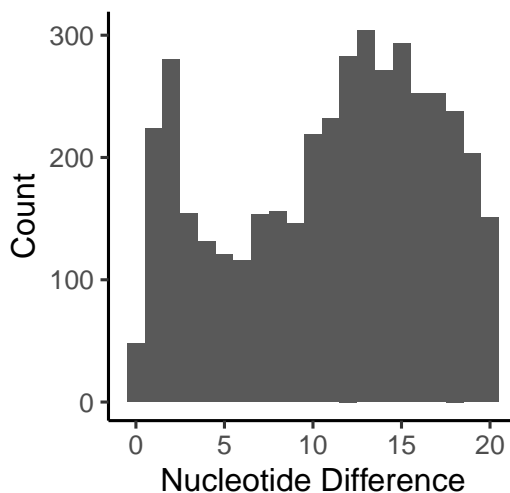
IGHV4-28*03

258 sequences assigned
No exact matches.



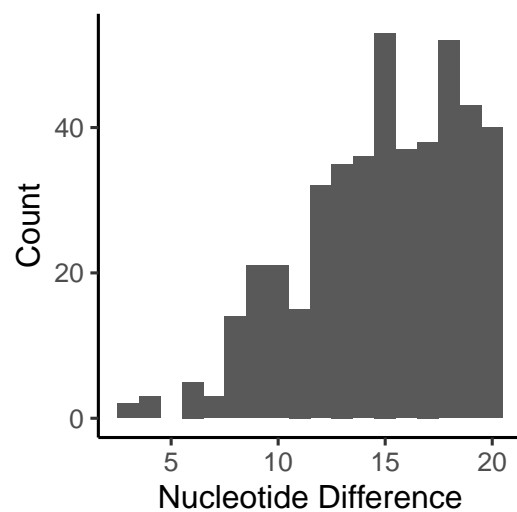
IGHV4-30-2*01

4742 sequences assigned
48 (1%) exact matches, in which:
48 unique CDR3
7 unique J



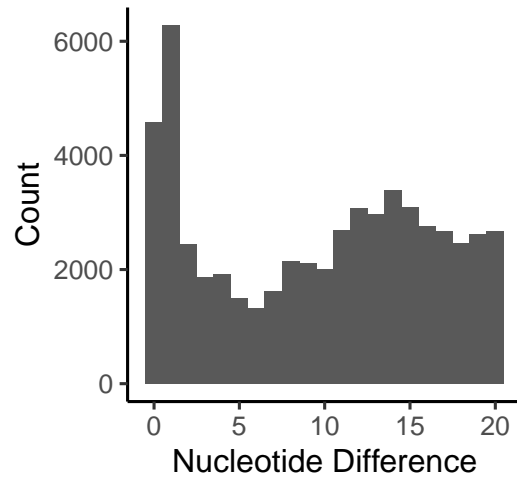
IGHV4-30-4*08

711 sequences assigned
No exact matches.



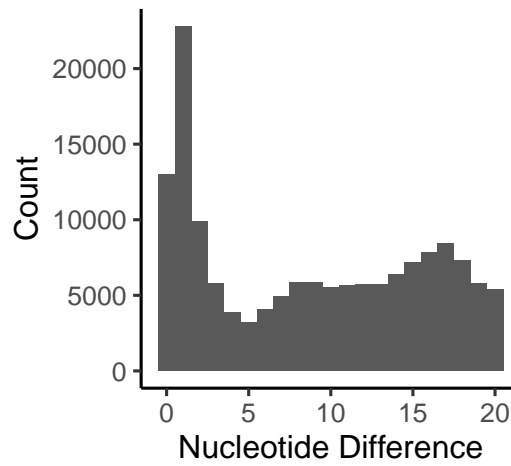
IGHV4-31*02

69445 sequences assigned
4585 (6.6%) exact matches, in which:
2922 unique CDR3
7 unique J



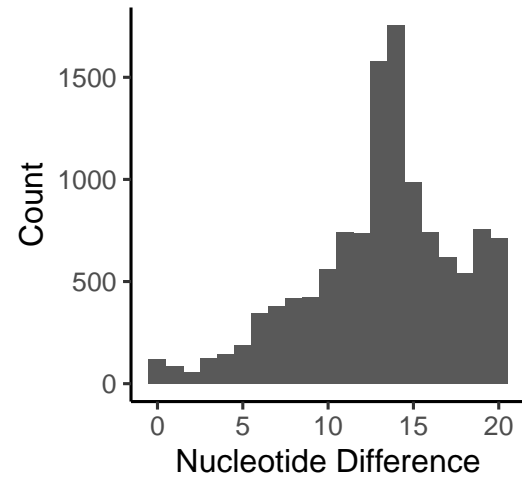
IGHV4-39*07

186692 sequences assigned
12987 (7%) exact matches, in which:
7873 unique CDR3
7 unique J



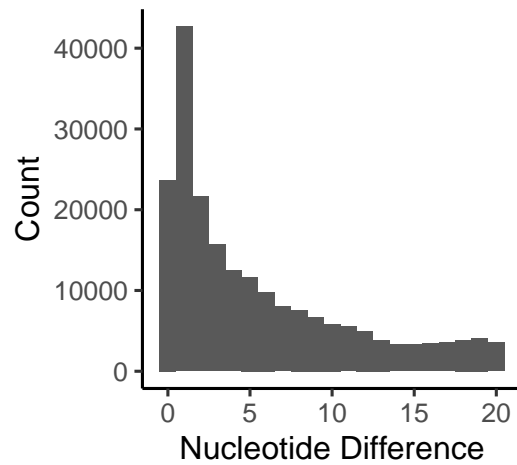
IGHV4-59*11

17898 sequences assigned
122 (0.7%) exact matches, in which:
106 unique CDR3
6 unique J



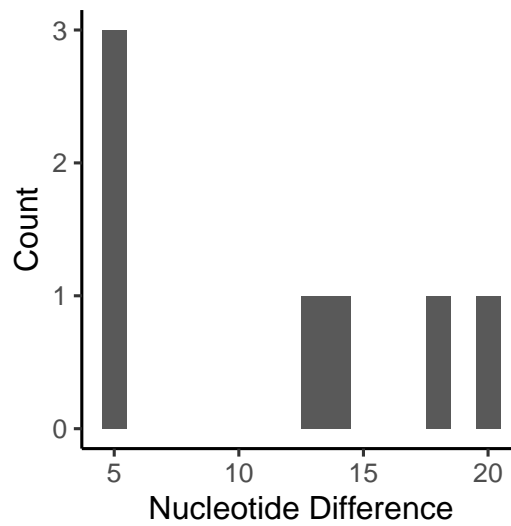
IGHV4-34*01_02

220510 sequences assigned
23668 (10.7%) exact matches, in which:
13900 unique CDR3
7 unique J



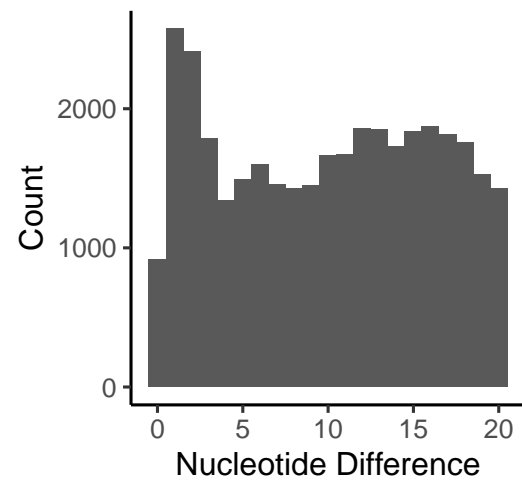
IGHV4-55*09

10 sequences assigned
No exact matches.



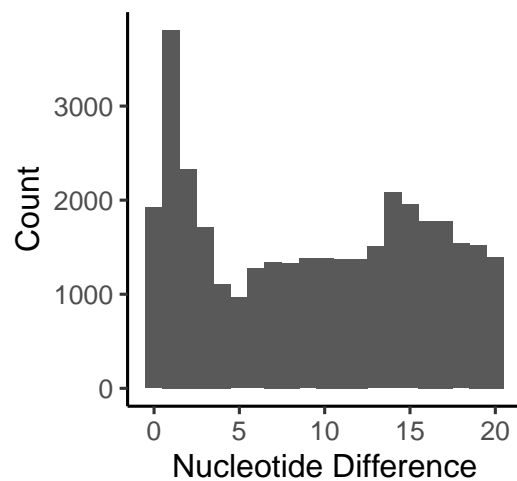
IGHV4-59*12

43198 sequences assigned
920 (2.1%) exact matches, in which:
768 unique CDR3
7 unique J



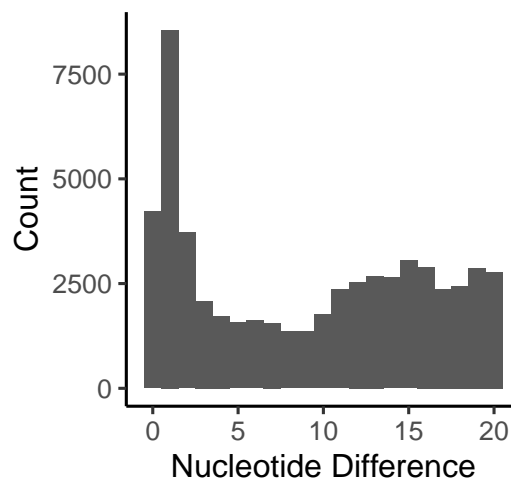
IGHV4-38-2*02

41641 sequences assigned
1921 (4.6%) exact matches, in which:
1242 unique CDR3
7 unique J



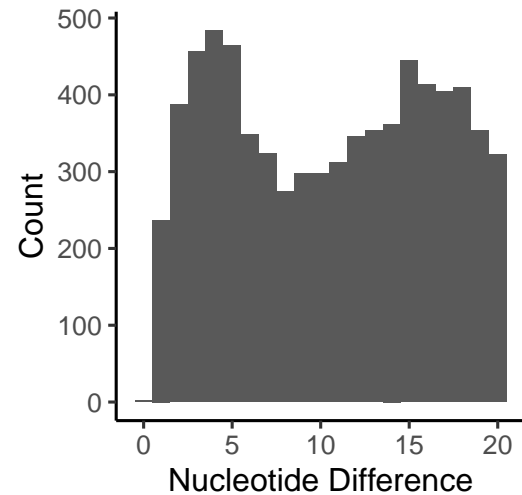
IGHV4-59*08

78729 sequences assigned
4221 (5.4%) exact matches, in which:
2521 unique CDR3
7 unique J



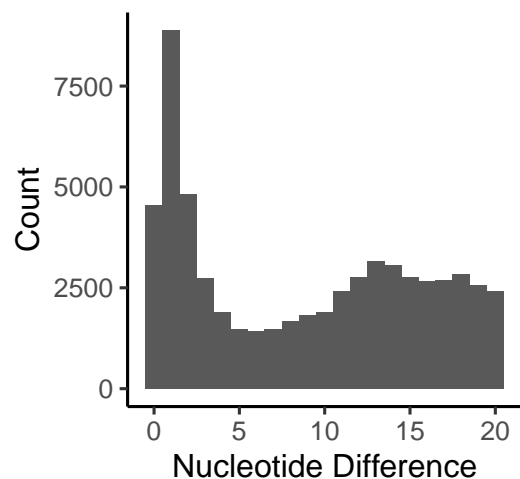
IGHV4-61*01

9145 sequences assigned
2 (0%) exact matches, in which:
1 unique CDR3
1 unique J



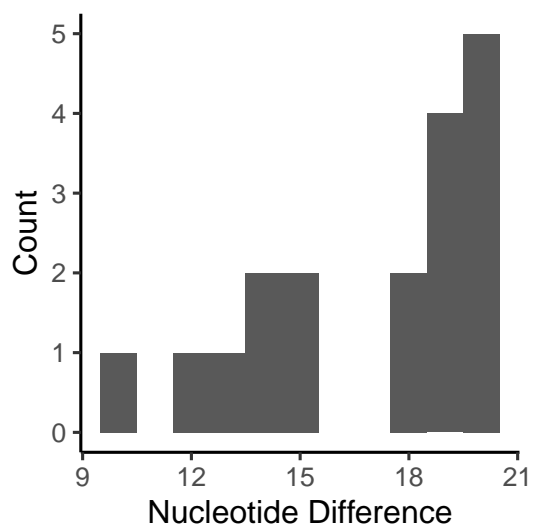
IGHV4-61*02

73130 sequences assigned
4542 (6.2%) exact matches, in which:
2835 unique CDR3
7 unique J



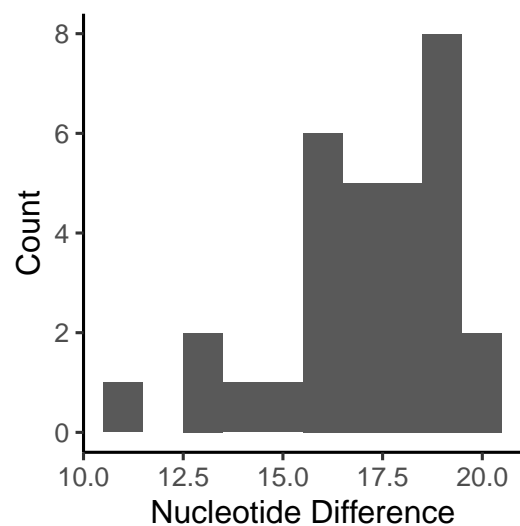
IGHV1/OR15-2*02_03

35 sequences assigned
No exact matches.



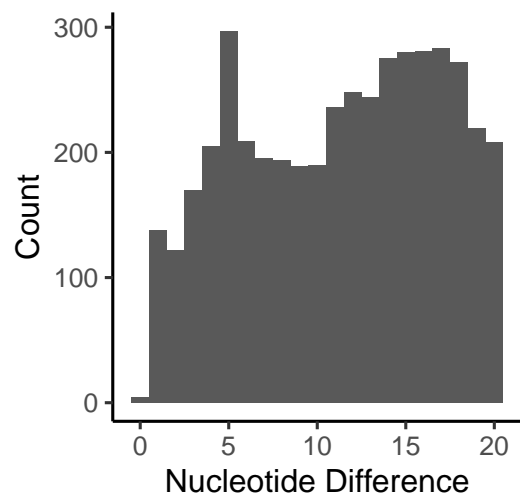
IGHV4/OR15-8*02

154 sequences assigned
No exact matches.



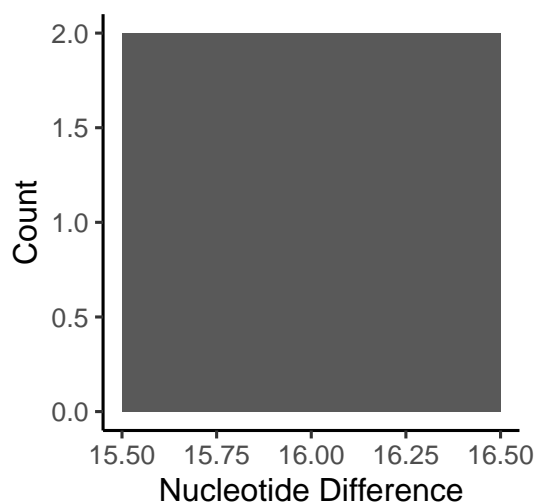
IGHV4-61*08

5656 sequences assigned
4 (0.1%) exact matches, in which:
4 unique CDR3
3 unique J



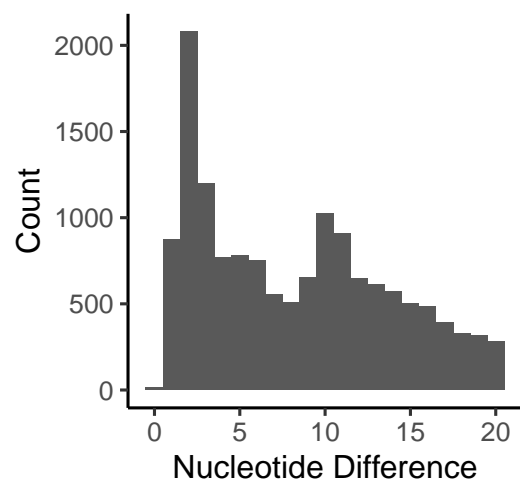
IGHV1/OR15-3*02

6 sequences assigned
No exact matches.



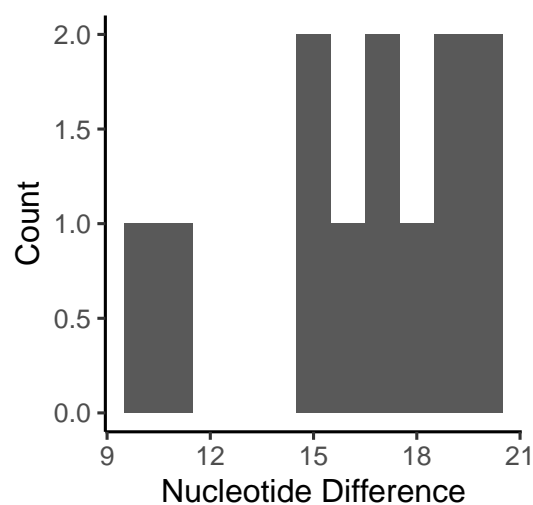
IGHV5-51*07

15688 sequences assigned
16 (0.1%) exact matches, in which:
16 unique CDR3
4 unique J



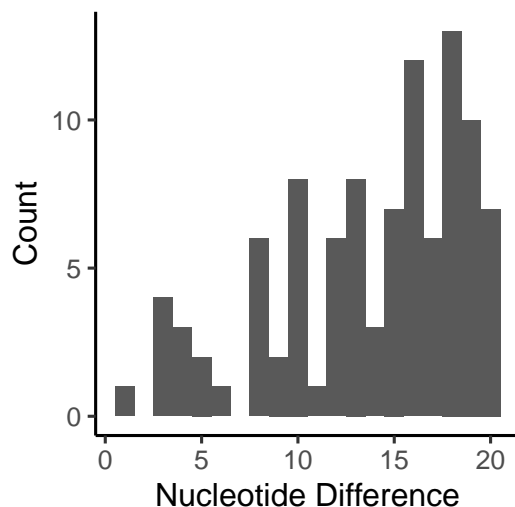
IGHV1/OR15-1*04

14 sequences assigned
No exact matches.



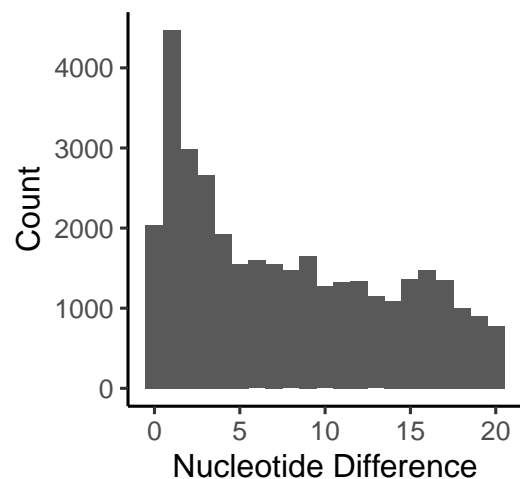
IGHV4/OR15-8*01

188 sequences assigned
No exact matches.



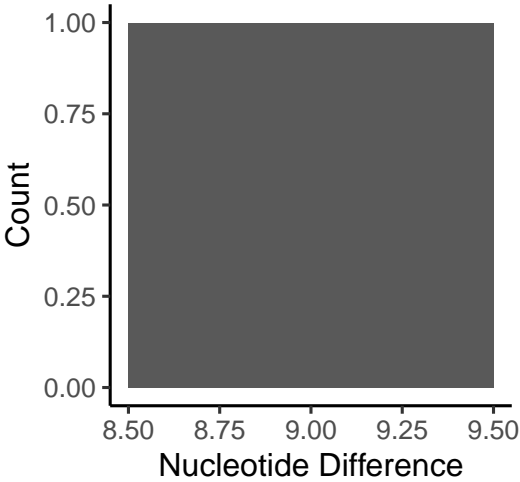
IGHV5-51*01_03

41397 sequences assigned
2041 (4.9%) exact matches, in which:
1334 unique CDR3
7 unique J



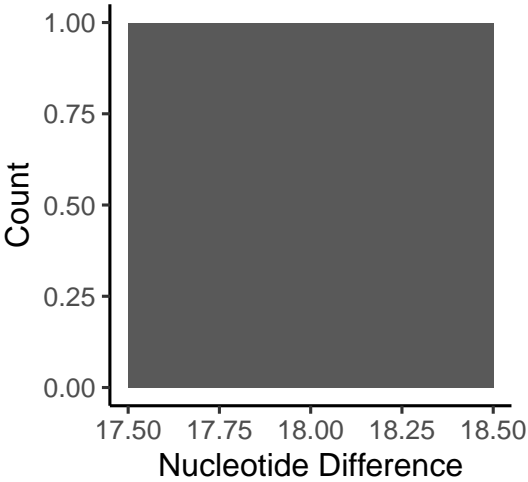
IGHV5-78*01

1 sequences assigned
No exact matches.



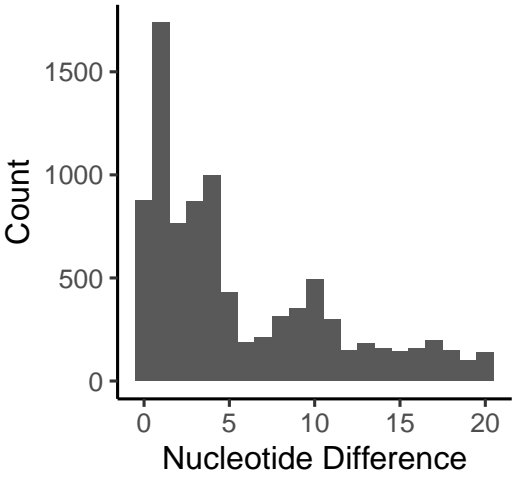
IGHV7-81*01

48 sequences assigned
No exact matches.



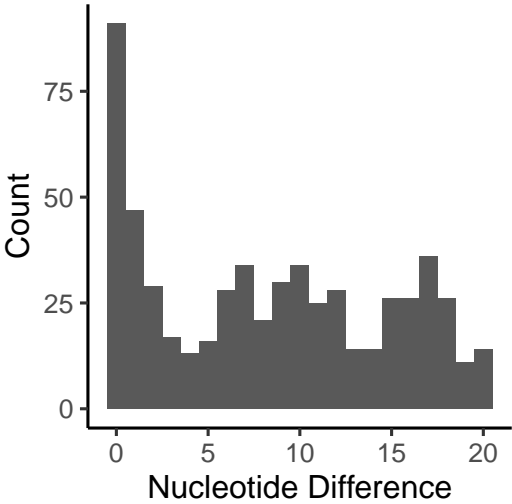
IGHV6-1*01_02

9496 sequences assigned
876 (9.2%) exact matches, in which:
546 unique CDR3
7 unique J

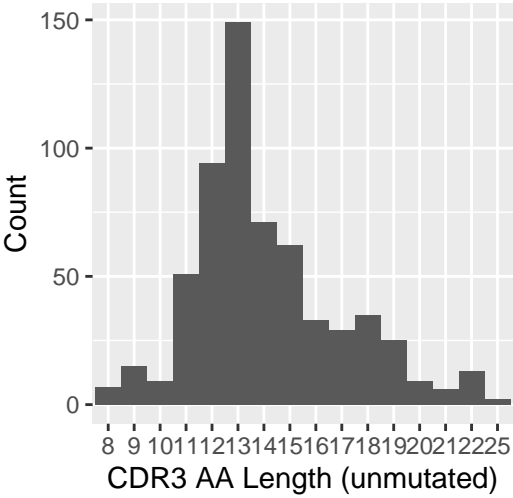


IGHV7-4-1*02

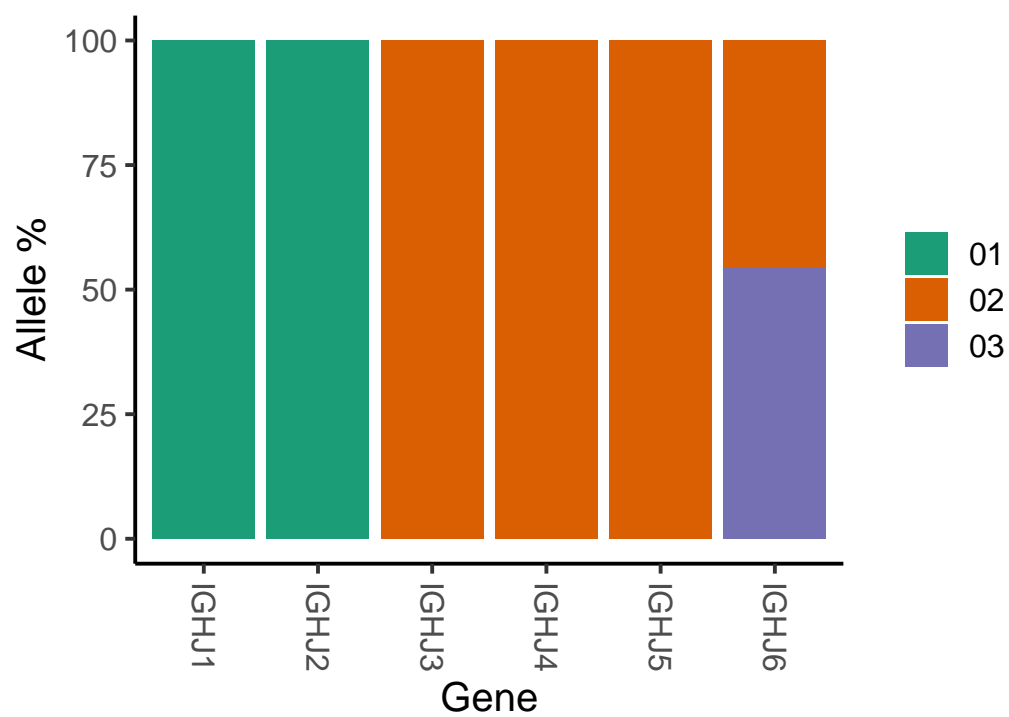
790 sequences assigned
91 (11.5%) exact matches, in which:
83 unique CDR3
5 unique J



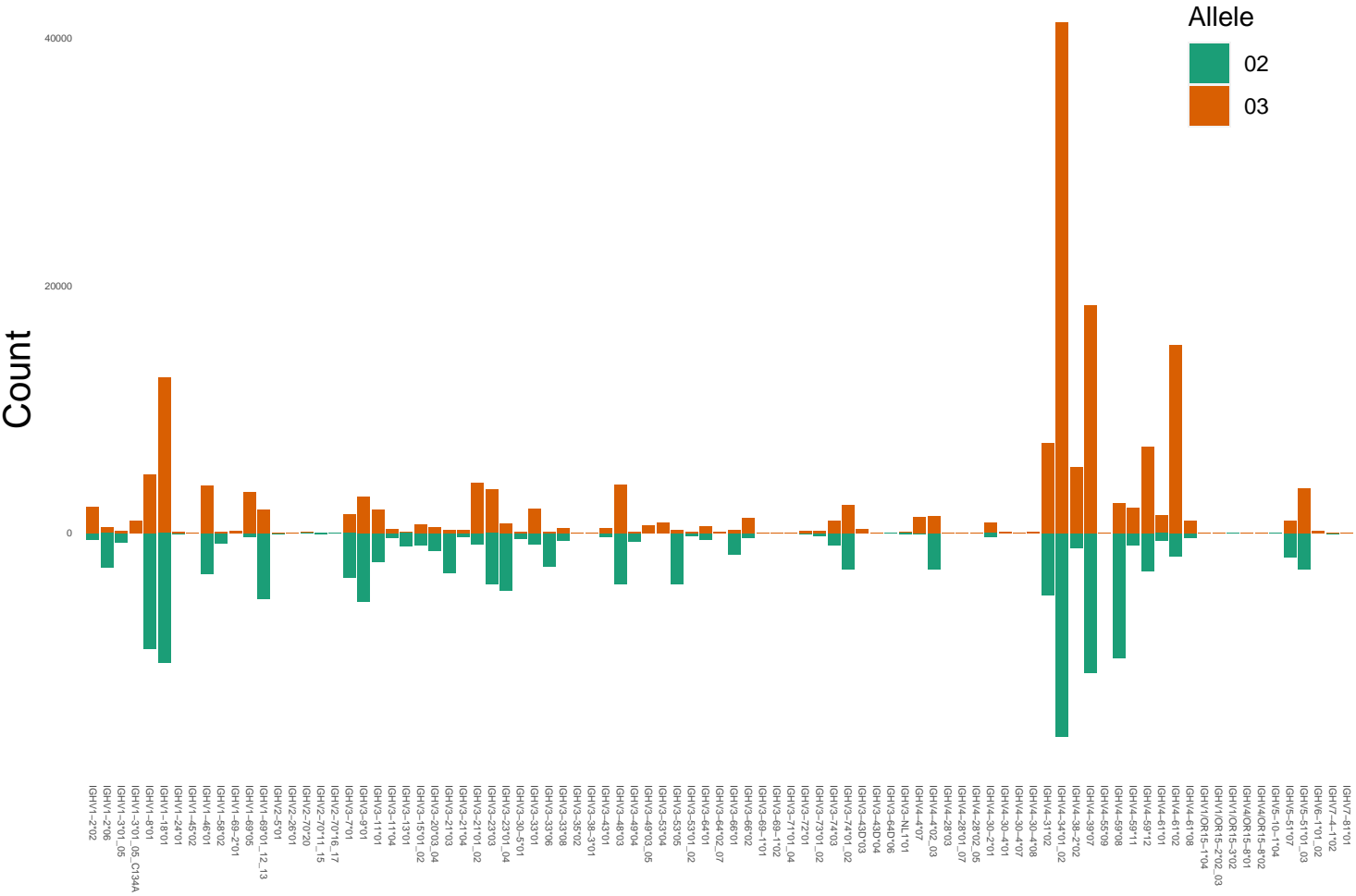
IGHV1-3*01_05_C134A



Allele Usage



Sequence Count by IGHJ6 allele usage



[illegible]