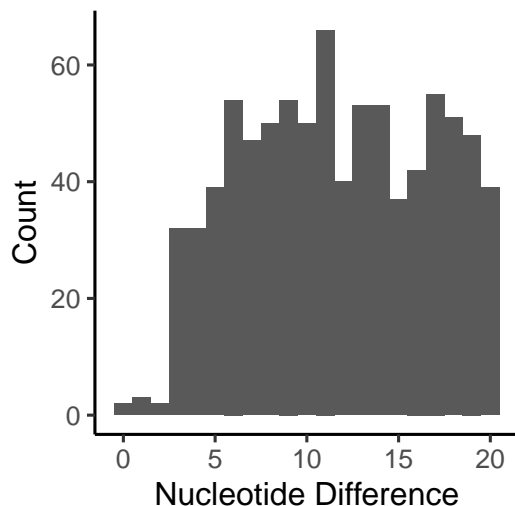


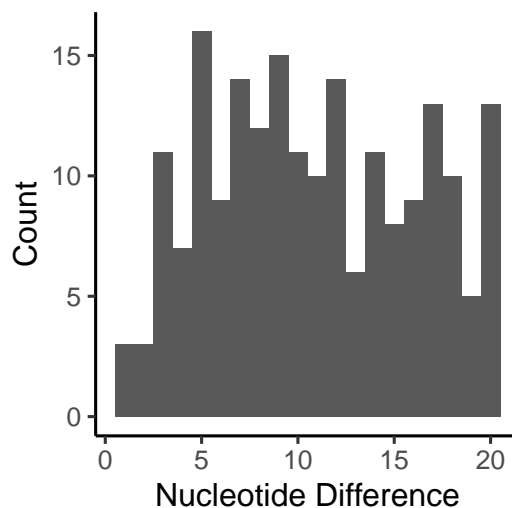
IGHV1-2*02

1098 sequences assigned
2 (0.2%) exact matches, in which:
2 unique CDR3
1 unique J



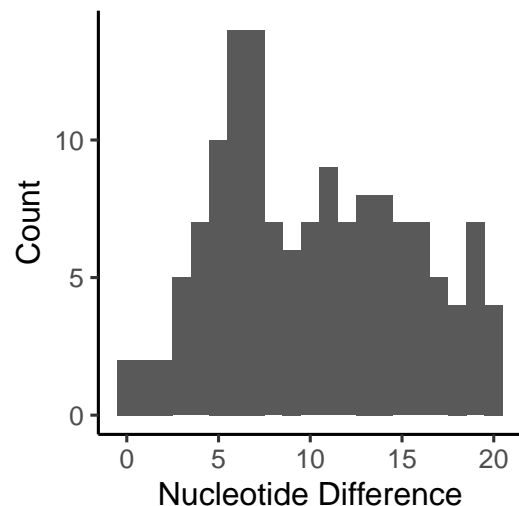
IGHV1-3*01_05

238 sequences assigned
No exact matches.



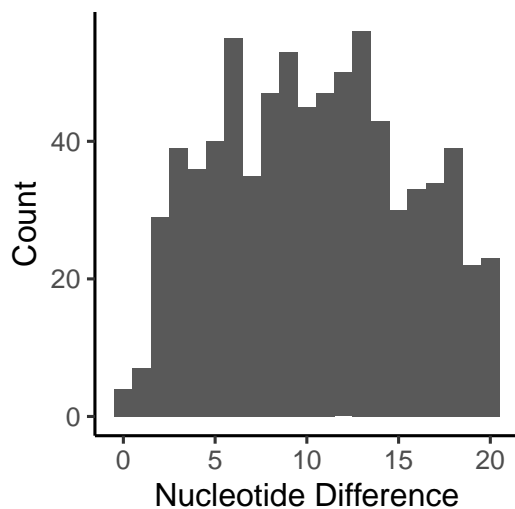
IGHV1-24*01

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



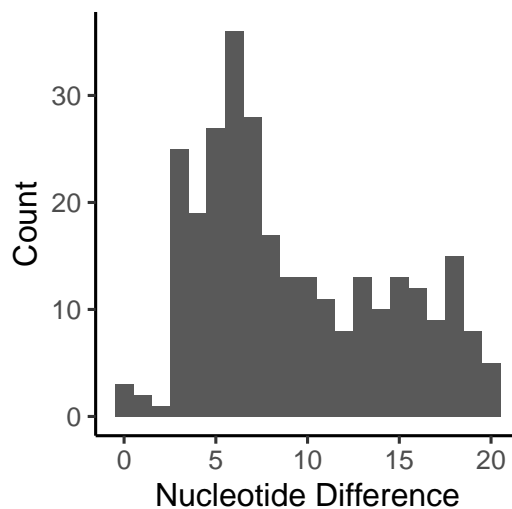
IGHV1-2*06

1007 sequences assigned
4 (0.4%) exact matches, in which:
3 unique CDR3
2 unique J



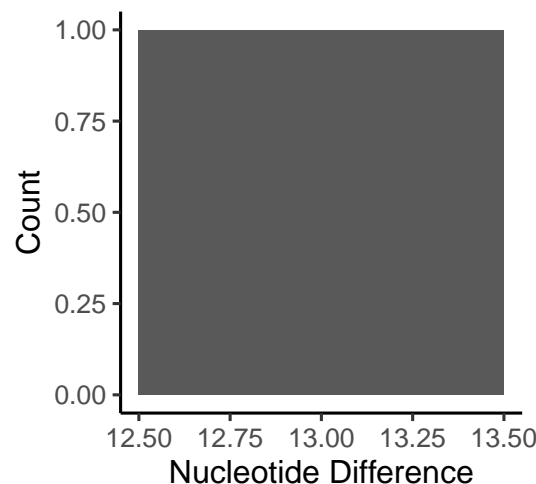
IGHV1-8*01

397 sequences assigned
3 (0.8%) exact matches, in which:
3 unique CDR3
2 unique J



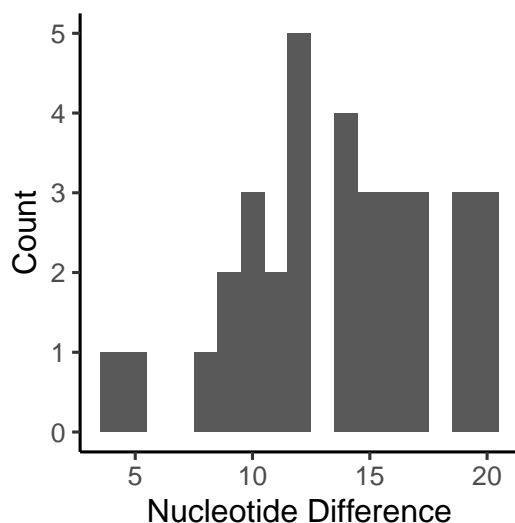
IGHV1-45*02

2 sequences assigned
No exact matches.



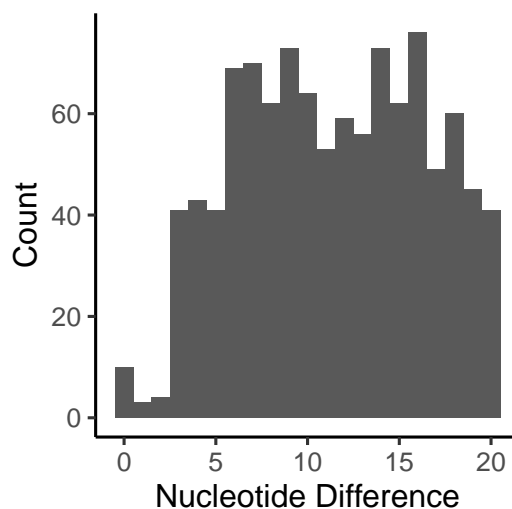
IGHV1-3*04

50 sequences assigned
No exact matches.



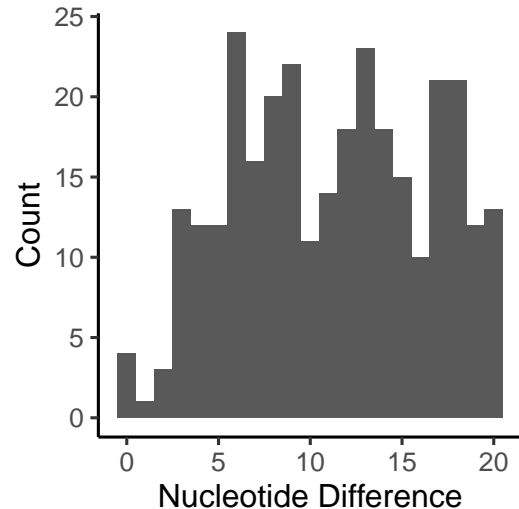
IGHV1-18*01

1435 sequences assigned
10 (0.7%) exact matches, in which:
10 unique CDR3
3 unique J



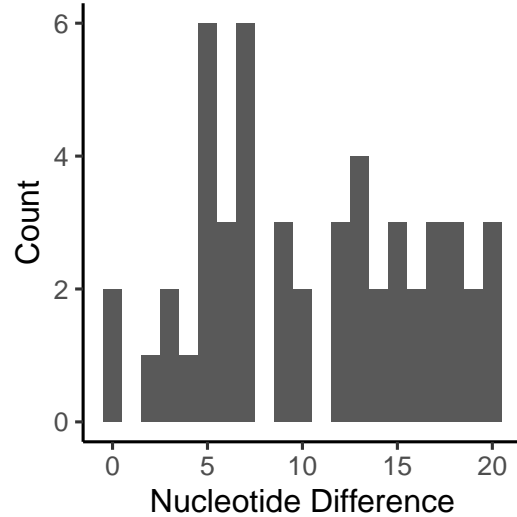
IGHV1-46*01

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



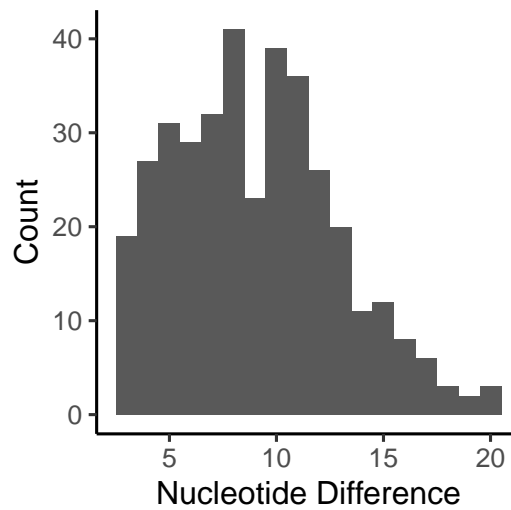
IGHV1-58*01_03

71 sequences assigned
2 (2.8%) exact matches, in which:
2 unique CDR3
2 unique J



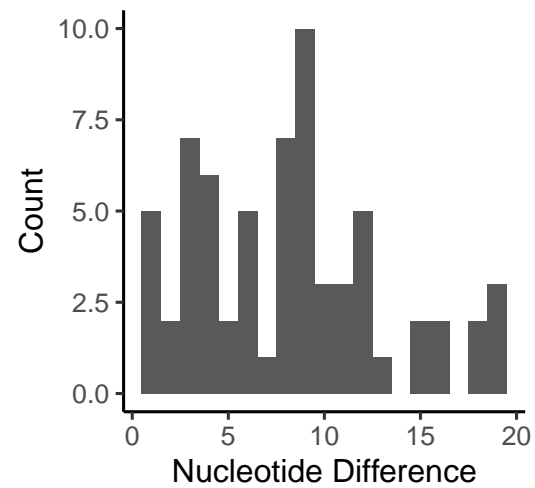
IGHV2-5*01

401 sequences assigned
No exact matches.



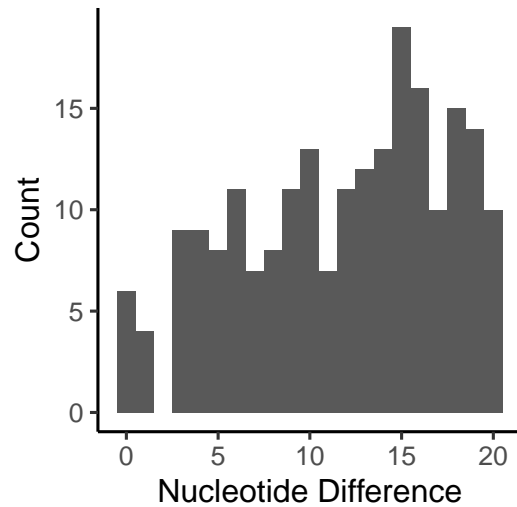
IGHV2-70*01

79 sequences assigned
No exact matches.



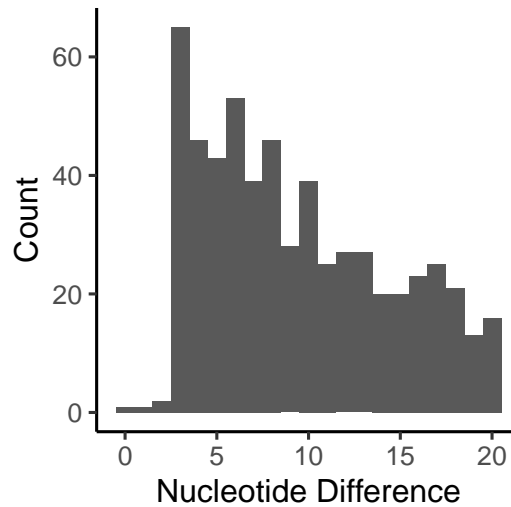
IGHV1-69*01_12_13

430 sequences assigned
6 (1.4%) exact matches, in which:
5 unique CDR3
1 unique J



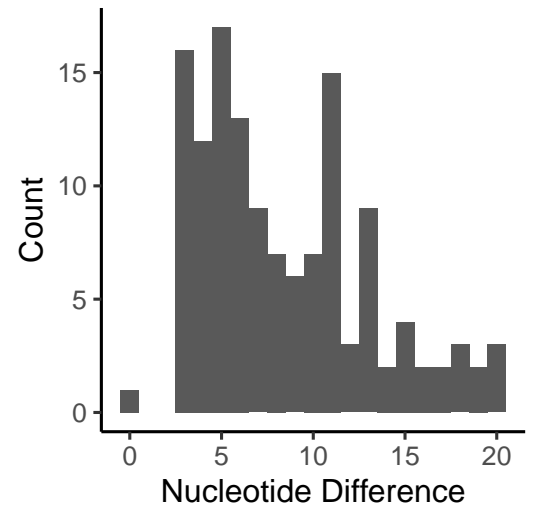
IGHV2-5*02

710 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



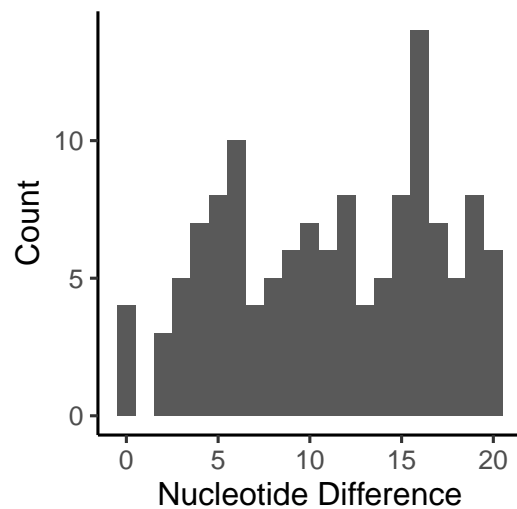
IGHV2-70*04

151 sequences assigned
1 (0.7%) exact matches, in which:
1 unique CDR3
1 unique J



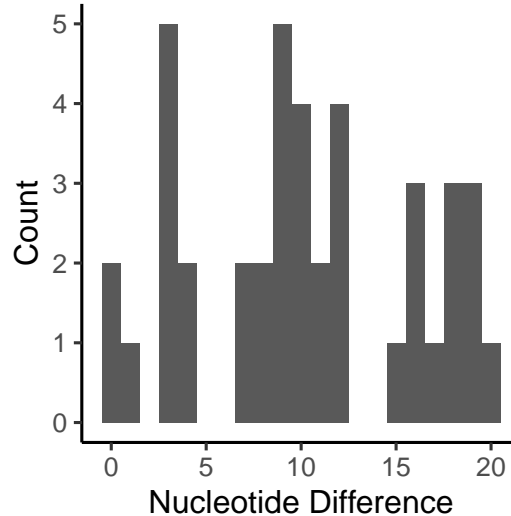
IGHV1-69*06_14

261 sequences assigned
4 (1.5%) exact matches, in which:
4 unique CDR3
2 unique J



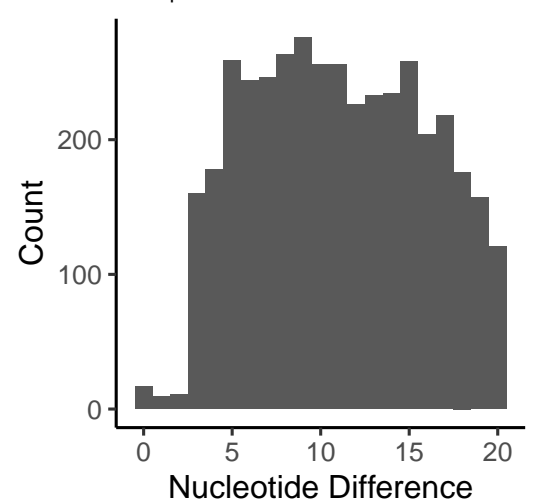
IGHV2-26*01

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



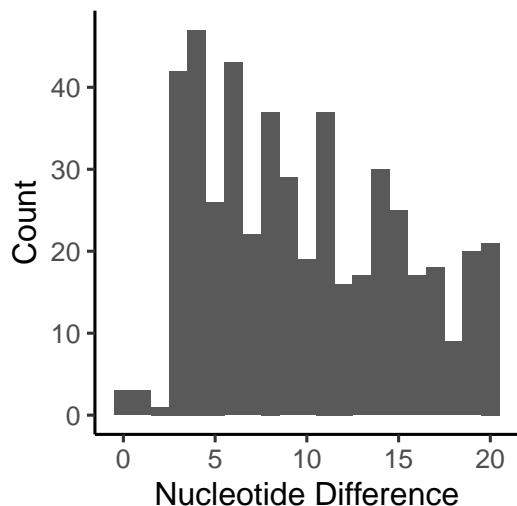
IGHV3-7*01

4652 sequences assigned
17 (0.4%) exact matches, in which:
12 unique CDR3
4 unique J



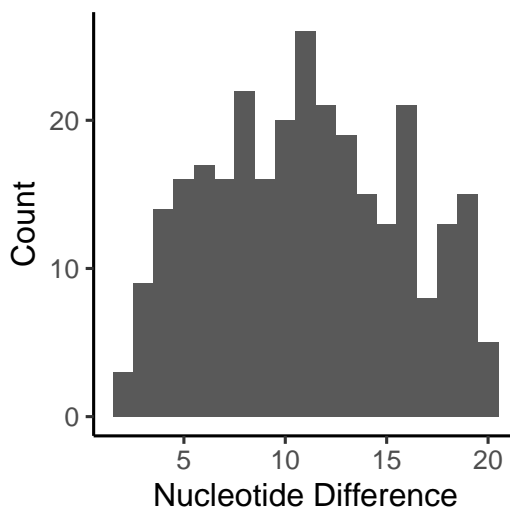
IGHV3-9*01

587 sequences assigned
3 (0.5%) exact matches, in which:
3 unique CDR3
2 unique J



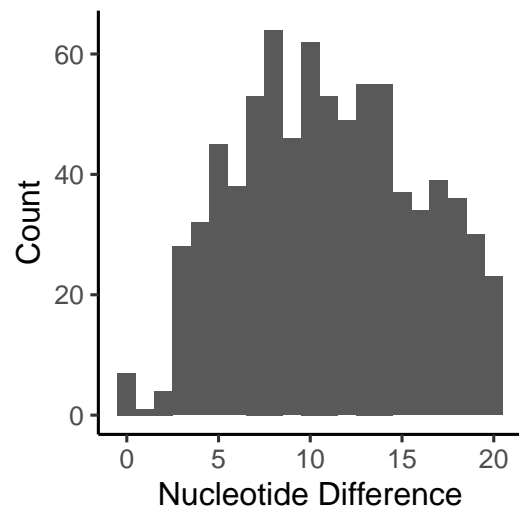
IGHV3-11*03_05

400 sequences assigned
No exact matches.



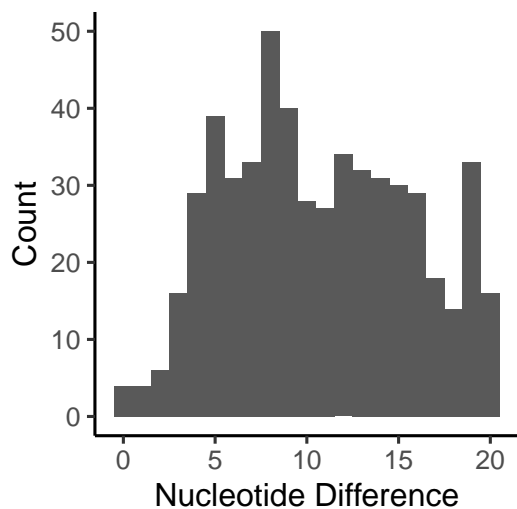
IGHV3-15*07

976 sequences assigned
7 (0.7%) exact matches, in which:
5 unique CDR3
3 unique J



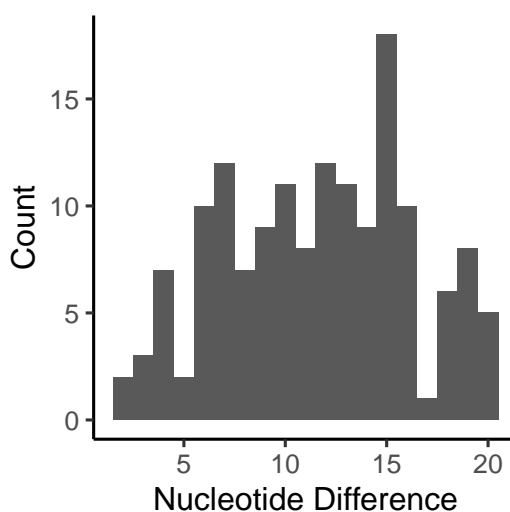
IGHV3-11*01

762 sequences assigned
4 (0.5%) exact matches, in which:
2 unique CDR3
2 unique J



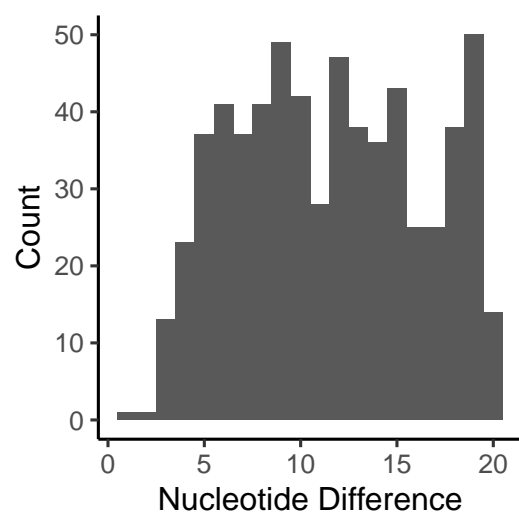
IGHV3-13*01

211 sequences assigned
No exact matches.



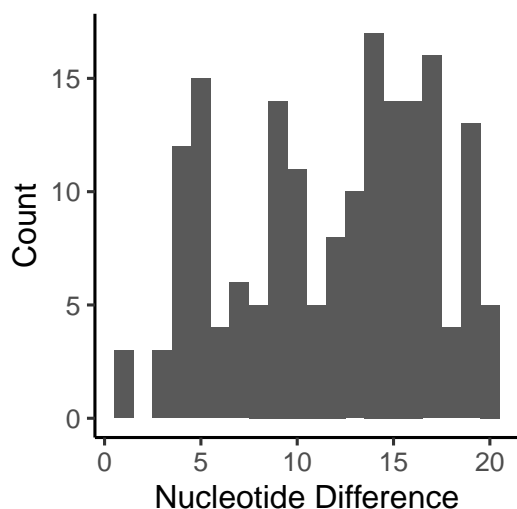
IGHV3-15*01_02

744 sequences assigned
No exact matches.



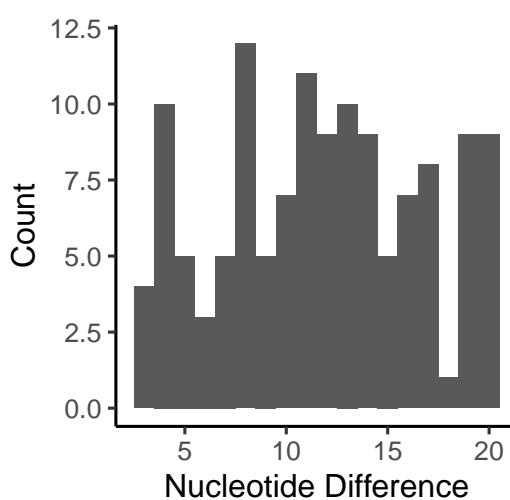
IGHV3-11*06

227 sequences assigned
No exact matches.



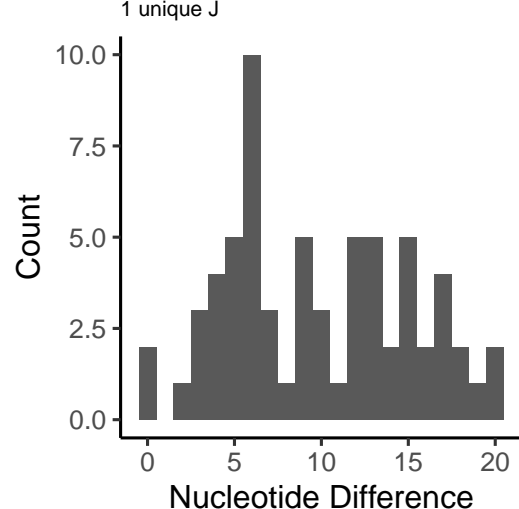
IGHV3-13*04

153 sequences assigned
No exact matches.



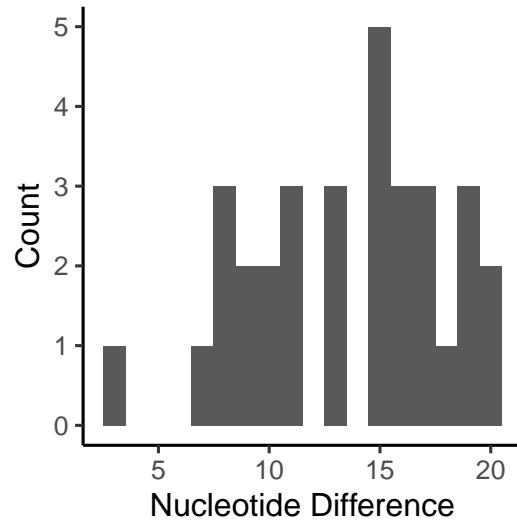
IGHV3-20*01_02

74 sequences assigned
2 (2.7%) exact matches, in which:
2 unique CDR3
1 unique J



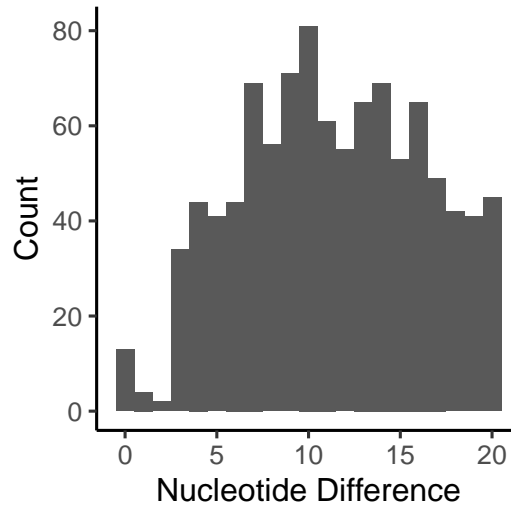
IGHV3-20*03_04

51 sequences assigned
No exact matches.



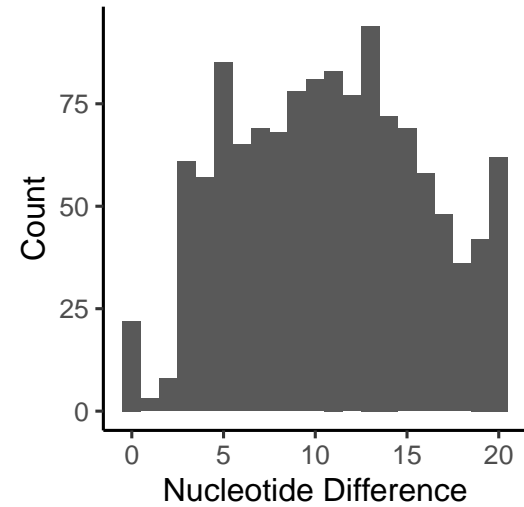
IGHV3-30-3*01

1295 sequences assigned
13 (1%) exact matches, in which:
8 unique CDR3
3 unique J



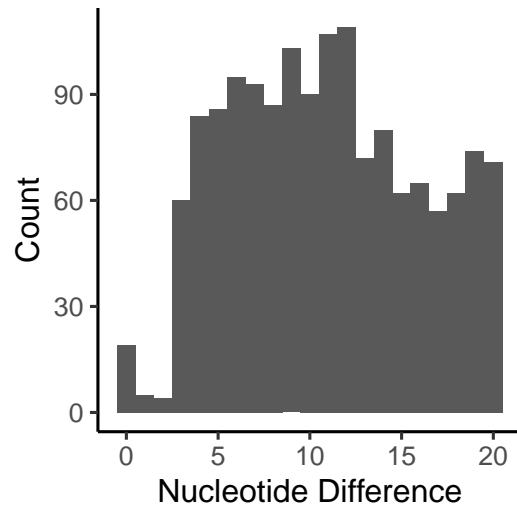
IGHV3-30*18

1589 sequences assigned
22 (1.4%) exact matches, in which:
15 unique CDR3
4 unique J



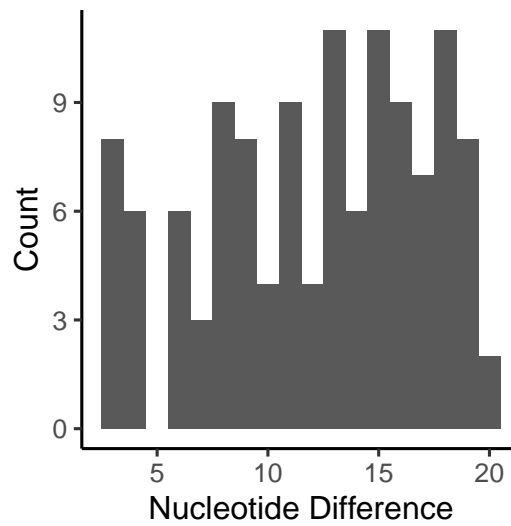
IGHV3-21*01_02

1961 sequences assigned
19 (1%) exact matches, in which:
9 unique CDR3
3 unique J



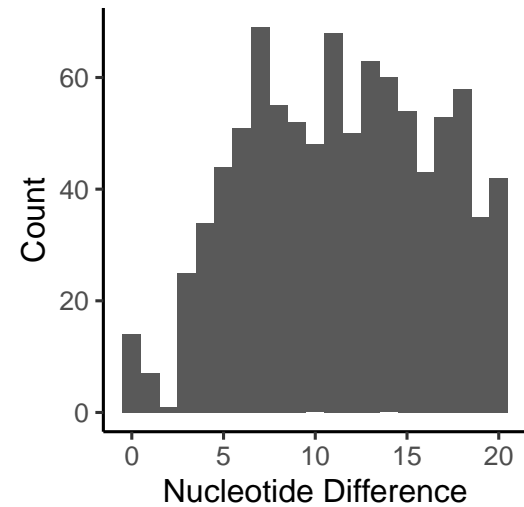
IGHV3-30*03

190 sequences assigned
No exact matches.



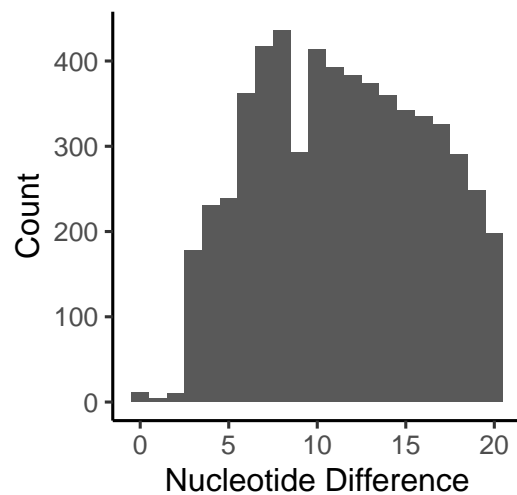
IGHV3-33*01

1229 sequences assigned
14 (1.1%) exact matches, in which:
9 unique CDR3
2 unique J



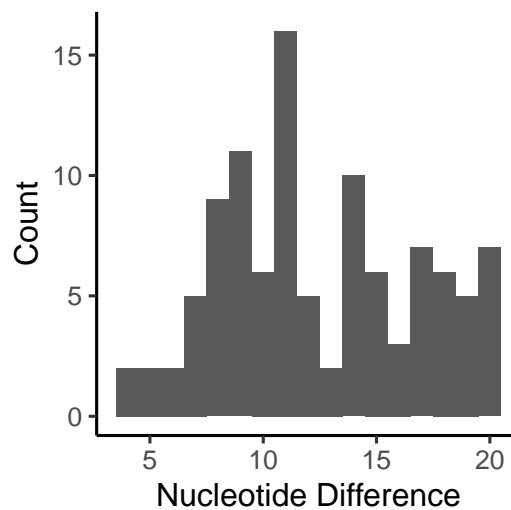
IGHV3-23*01_04

7393 sequences assigned
11 (0.1%) exact matches, in which:
7 unique CDR3
3 unique J



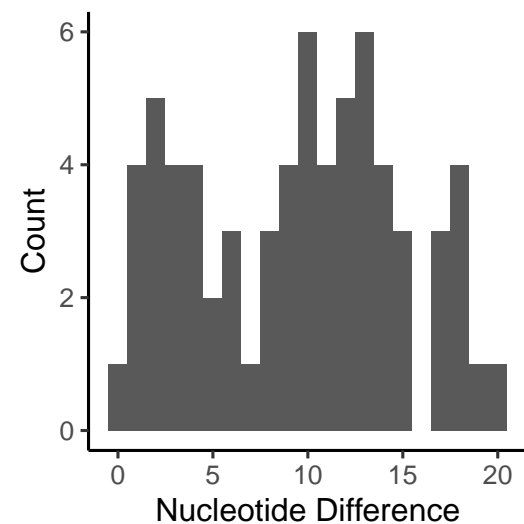
IGHV3-30*04

170 sequences assigned
No exact matches.



IGHV3-43*01

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



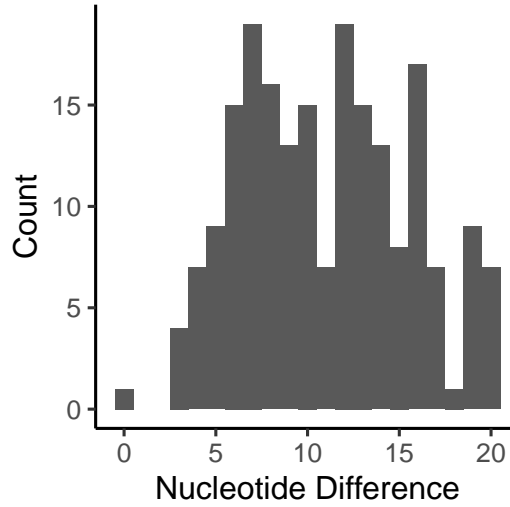
IGHV3-47*02

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



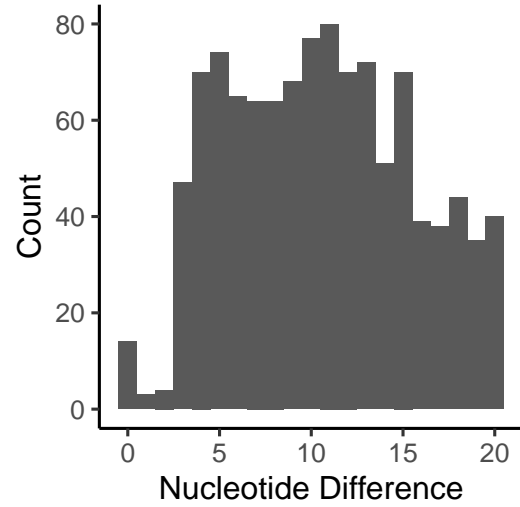
IGHV3-49*04

232 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



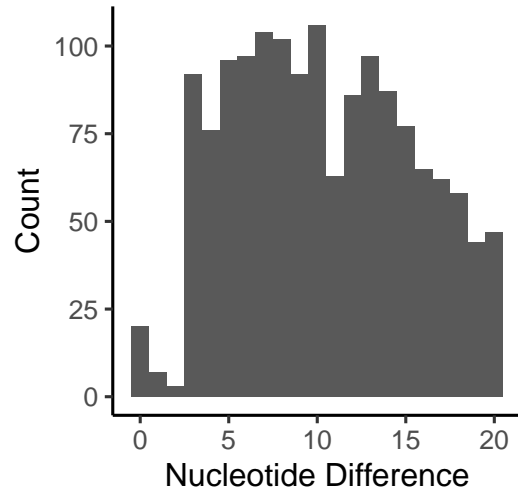
IGHV3-53*01_02

1278 sequences assigned
14 (1.1%) exact matches, in which:
8 unique CDR3
2 unique J



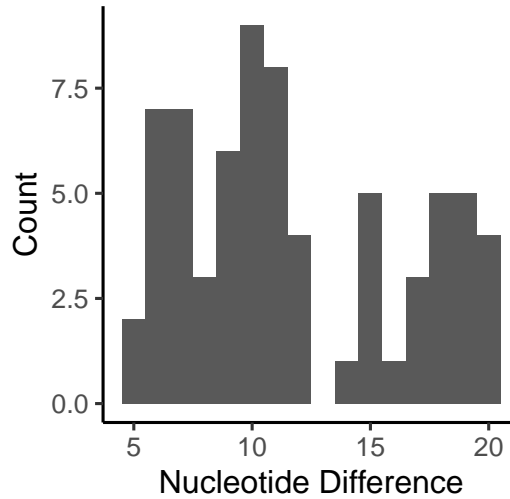
IGHV3-48*02

1910 sequences assigned
20 (1%) exact matches, in which:
9 unique CDR3
4 unique J



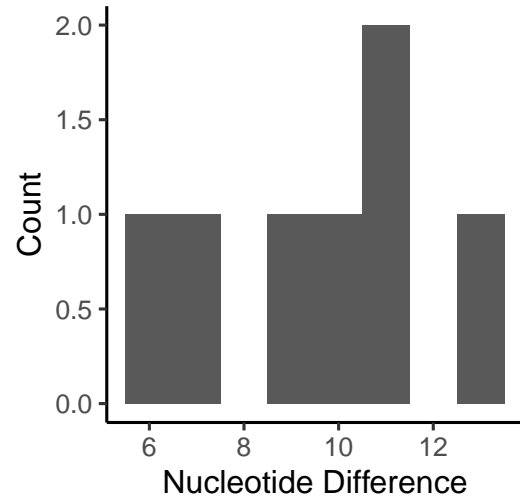
IGHV3-49*03_05

85 sequences assigned
No exact matches.



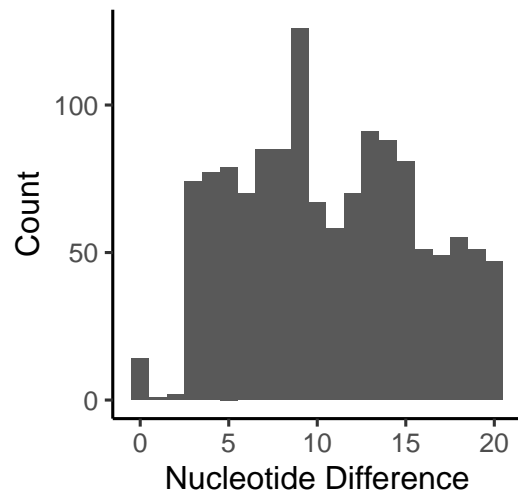
IGHV3-64*05

8 sequences assigned
No exact matches.



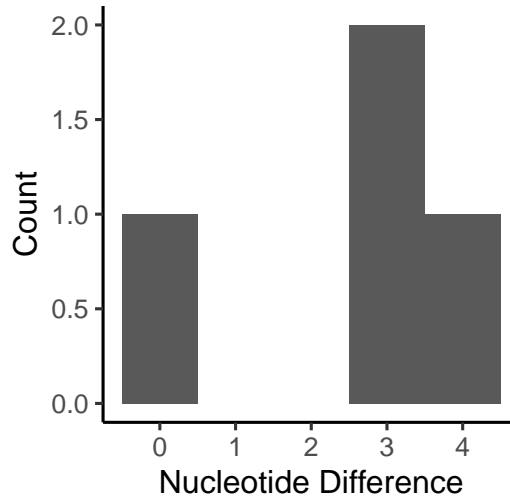
IGHV3-48*03

1645 sequences assigned
14 (0.9%) exact matches, in which:
7 unique CDR3
3 unique J



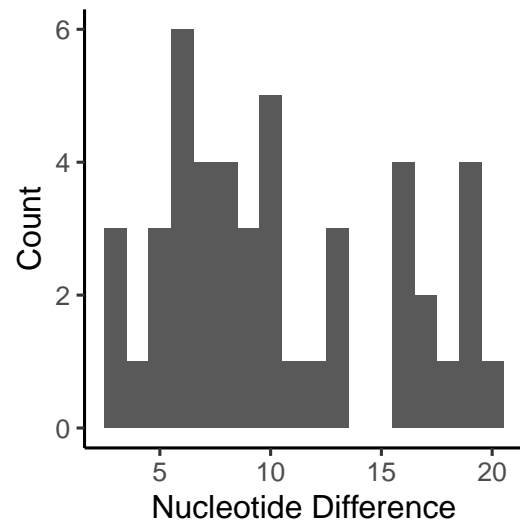
IGHV3-52*01_03

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



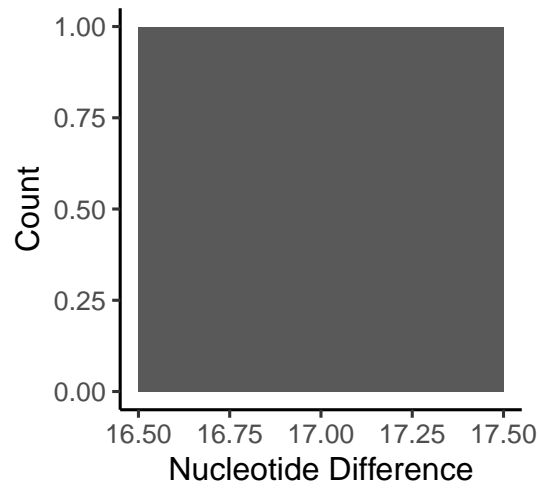
IGHV3-64*02_07

51 sequences assigned
No exact matches.



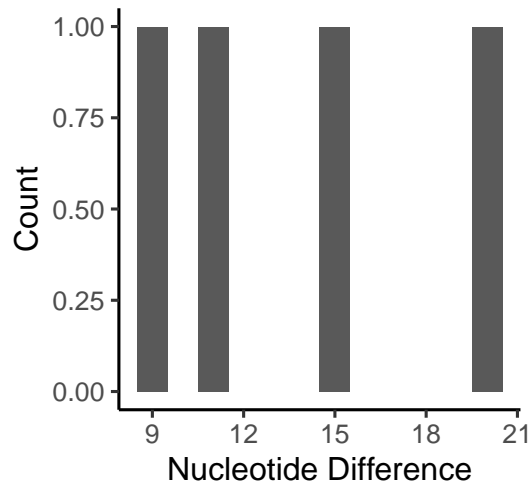
IGHV3-66*01

1 sequences assigned
No exact matches.



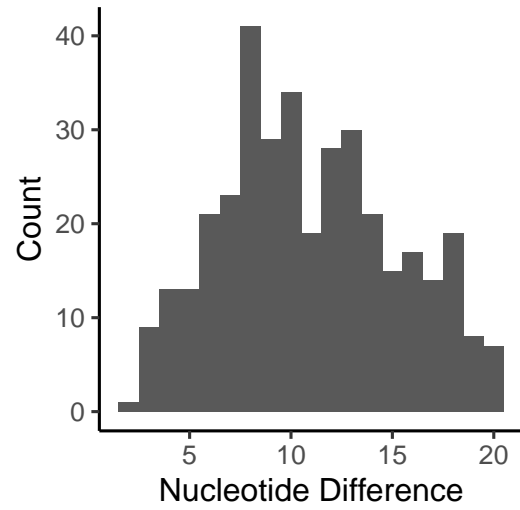
IGHV3-66*04

4 sequences assigned
No exact matches.



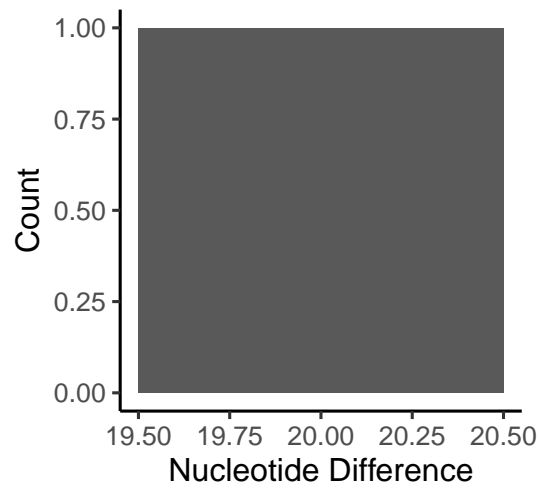
IGHV3-72*01

412 sequences assigned
No exact matches.



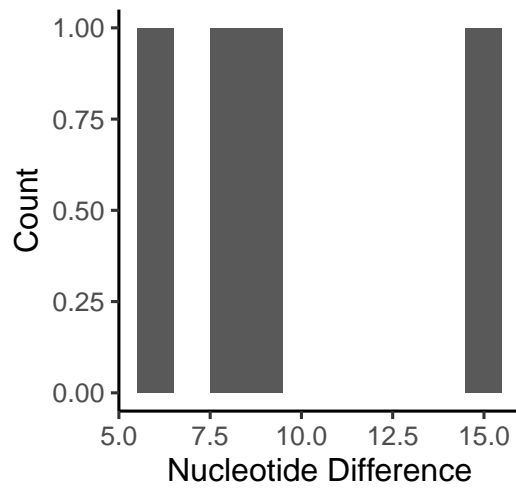
IGHV3-66*02

2 sequences assigned
No exact matches.



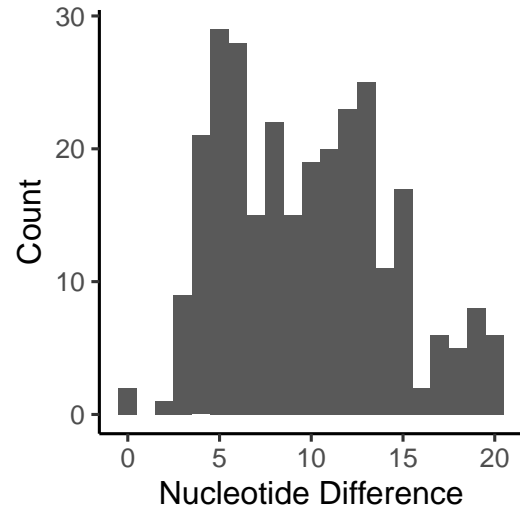
IGHV3-69-1*01

17 sequences assigned
No exact matches.



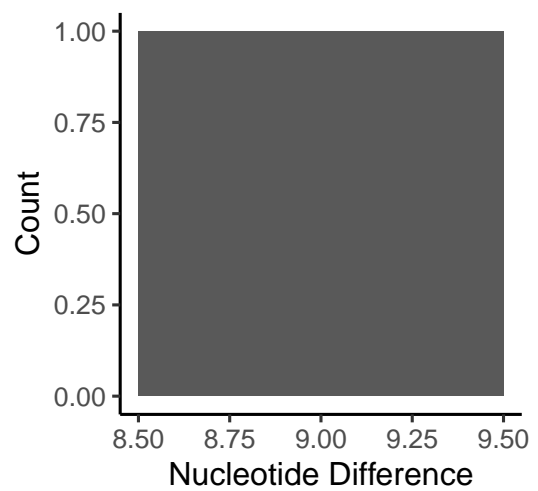
IGHV3-73*01_02

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



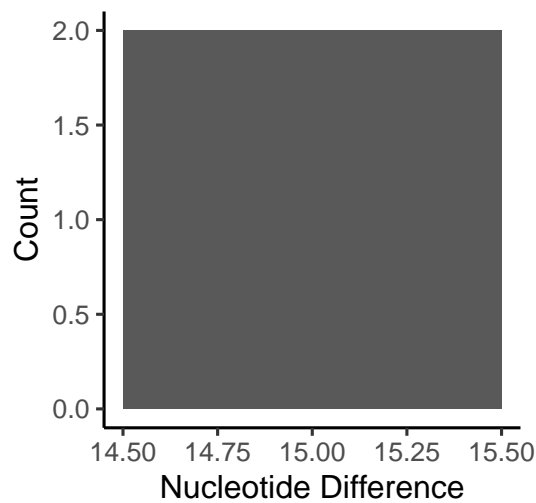
IGHV3-66*03

1 sequences assigned
No exact matches.



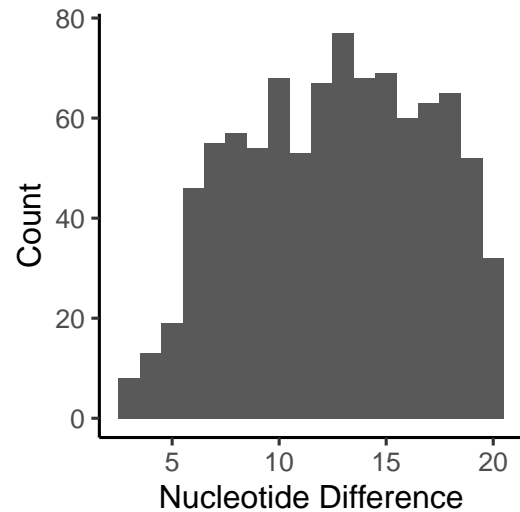
IGHV3-69-1*02

7 sequences assigned
No exact matches.



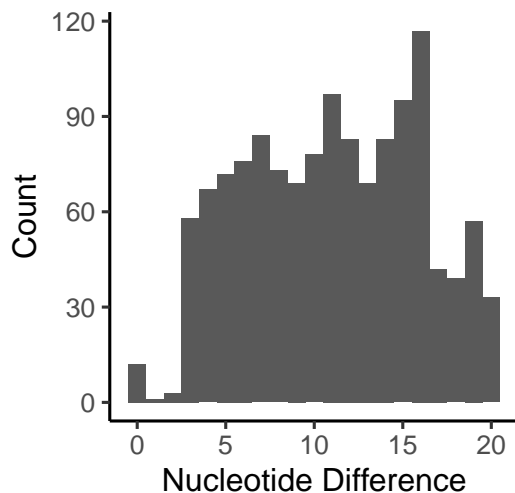
IGHV3-74*03

1141 sequences assigned
No exact matches.



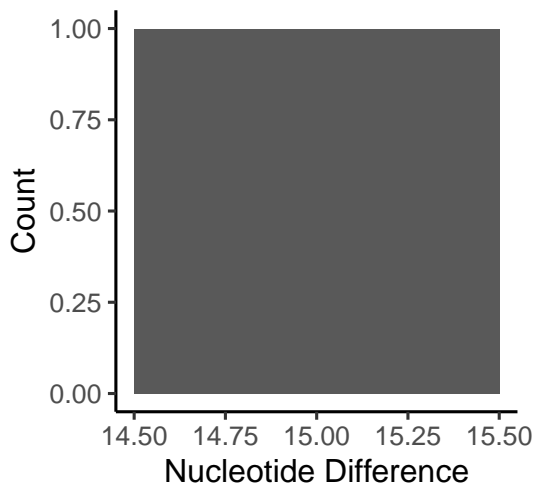
IGHV3-74*01_02

1615 sequences assigned
12 (0.7%) exact matches, in which:
6 unique CDR3
4 unique J



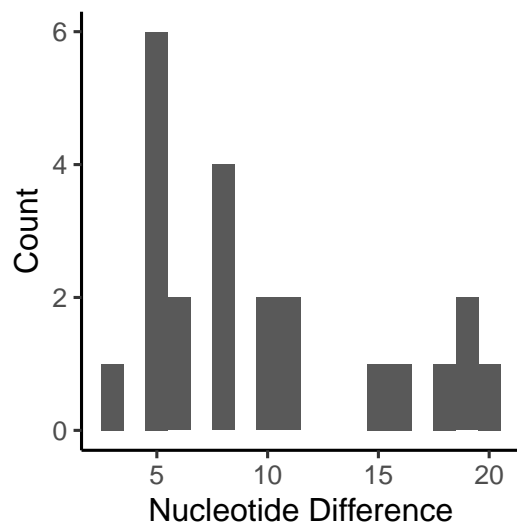
IGHV3-NL1*01

4 sequences assigned
No exact matches.



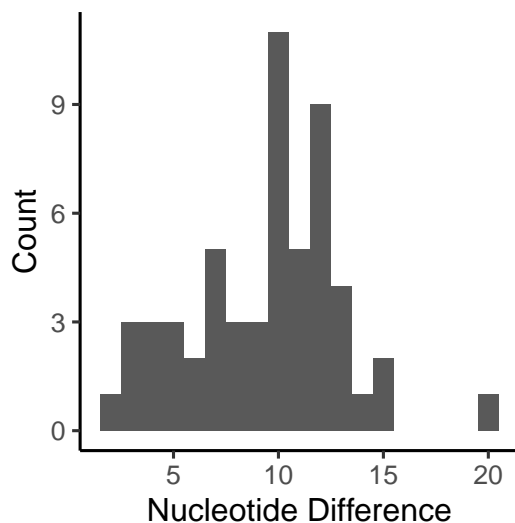
IGHV4-28*01_07

26 sequences assigned
No exact matches.



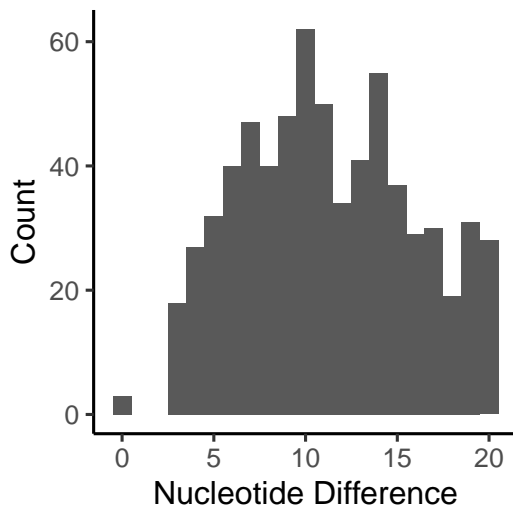
IGHV3-43D*04

68 sequences assigned
No exact matches.



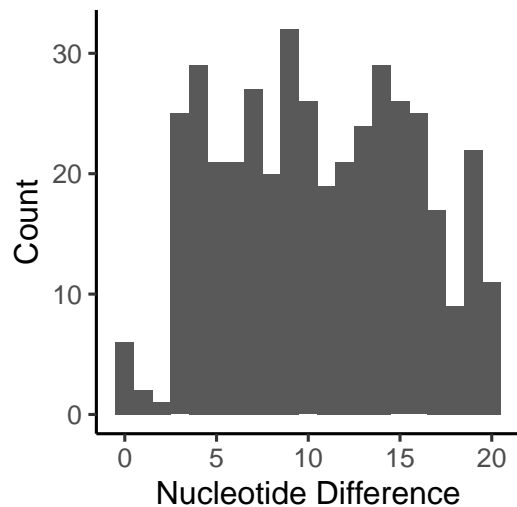
IGHV4-4*07

798 sequences assigned
3 (0.4%) exact matches, in which:
2 unique CDR3
2 unique J



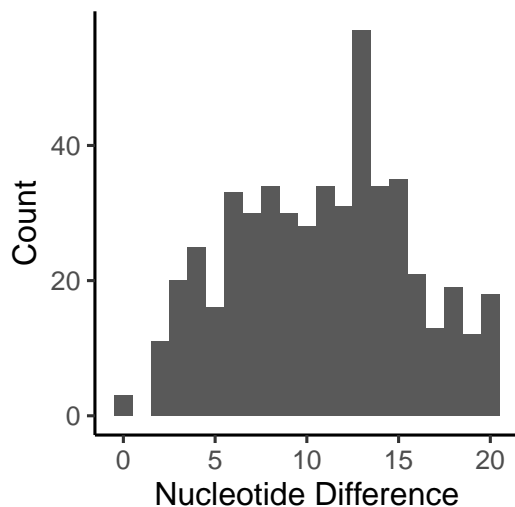
IGHV4-30-4*01

621 sequences assigned
6 (1%) exact matches, in which:
4 unique CDR3
2 unique J



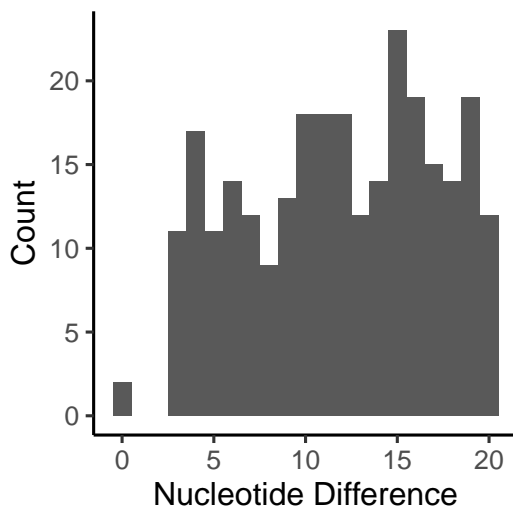
IGHV3-64D*09

724 sequences assigned
3 (0.4%) exact matches, in which:
2 unique CDR3
1 unique J



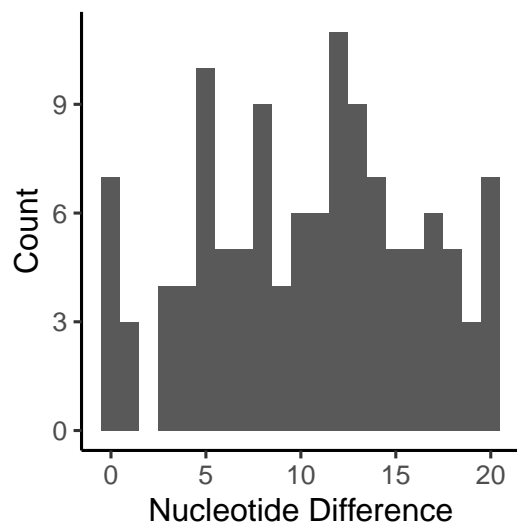
IGHV4-4*02_03

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



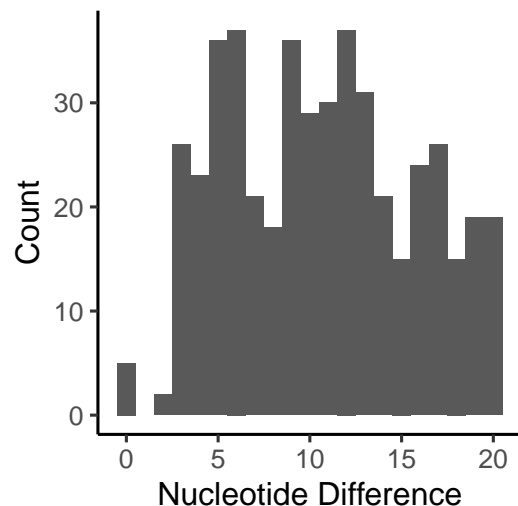
IGHV4-30-2*01

198 sequences assigned
7 (3.5%) exact matches, in which:
5 unique CDR3
3 unique J



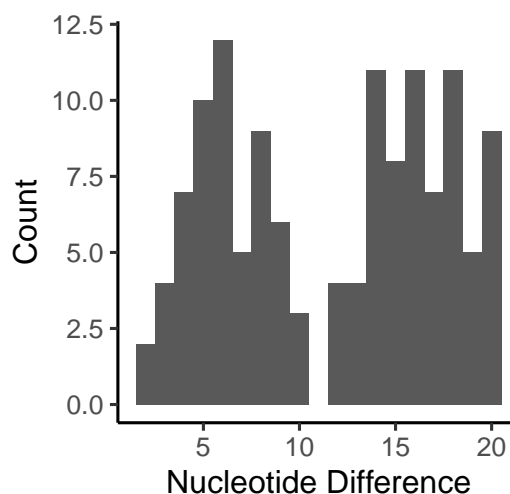
IGHV4-31*02

714 sequences assigned
5 (0.7%) exact matches, in which:
4 unique CDR3
2 unique J



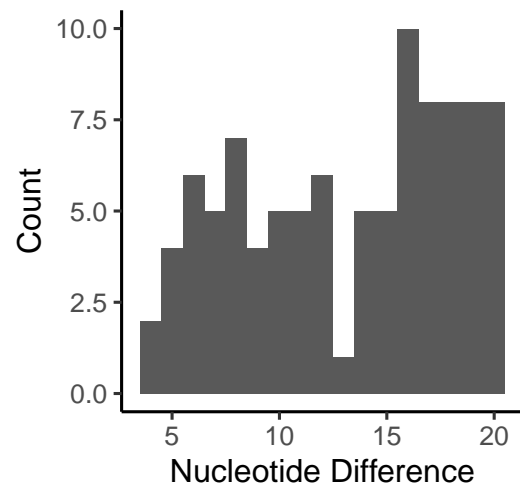
IGHV4-38-2*02

179 sequences assigned
No exact matches.



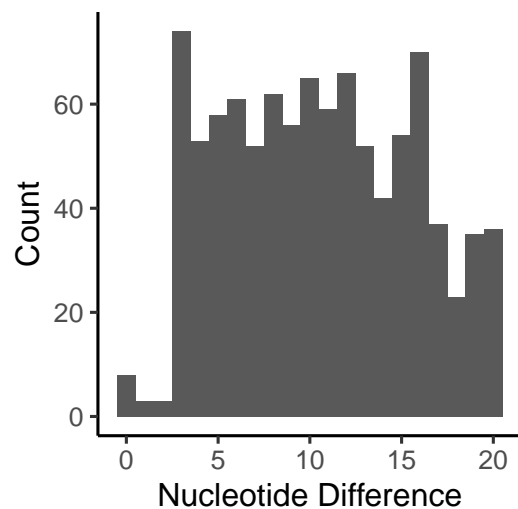
IGHV4-59*02

152 sequences assigned
No exact matches.



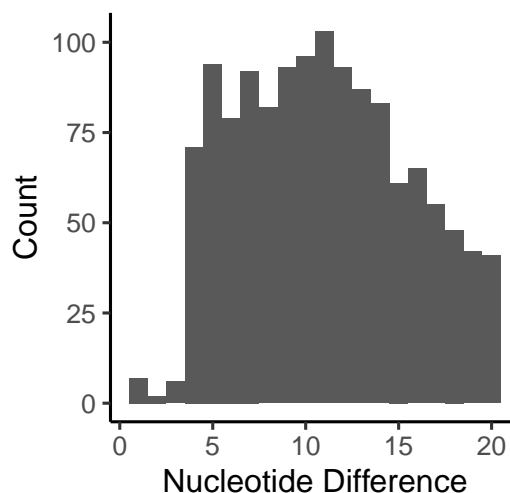
IGHV4-34*01_02

1296 sequences assigned
8 (0.6%) exact matches, in which:
5 unique CDR3
4 unique J



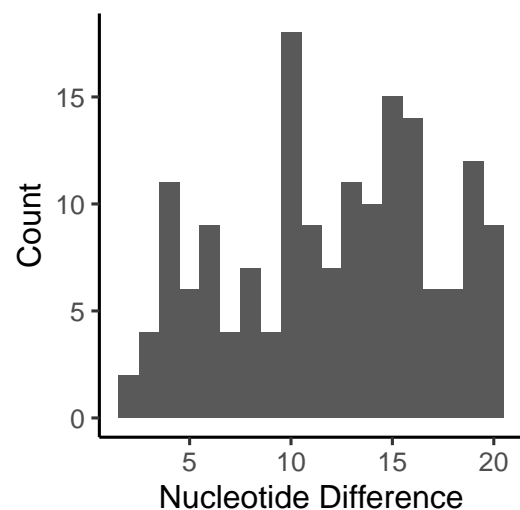
IGHV4-39*02

1645 sequences assigned
No exact matches.



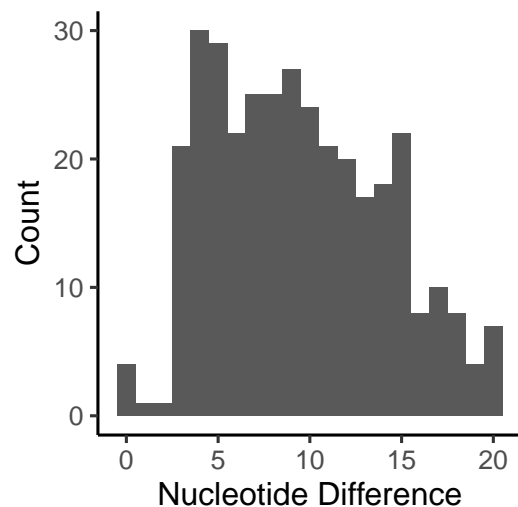
IGHV4-59*11

240 sequences assigned
No exact matches.



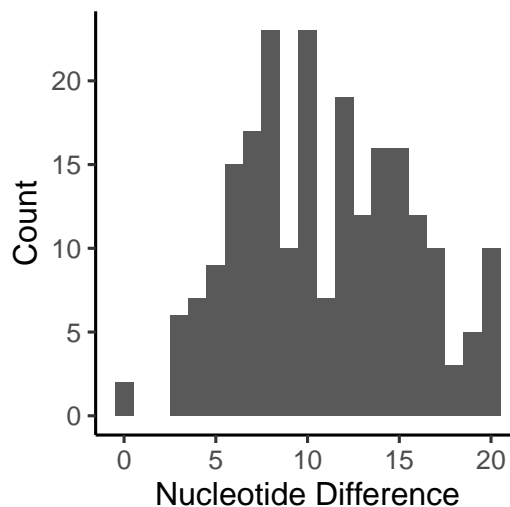
IGHV4-38-2*01

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



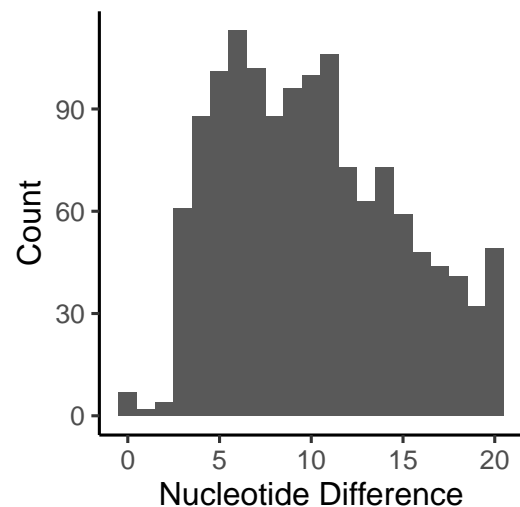
IGHV4-39*01_05

280 sequences assigned
2 (0.7%) exact matches, in which:
2 unique CDR3
1 unique J



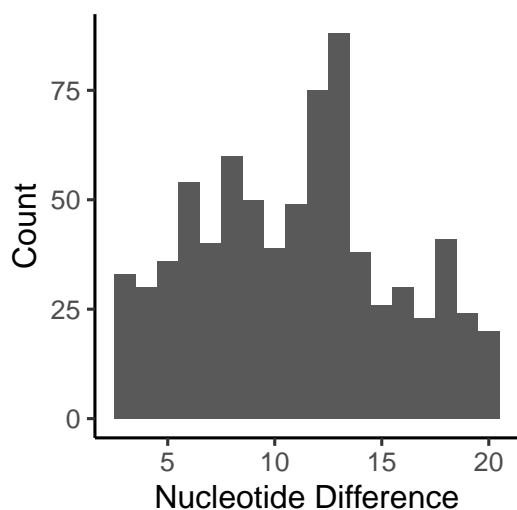
IGHV4-59*01_07

1607 sequences assigned
7 (0.4%) exact matches, in which:
7 unique CDR3
4 unique J



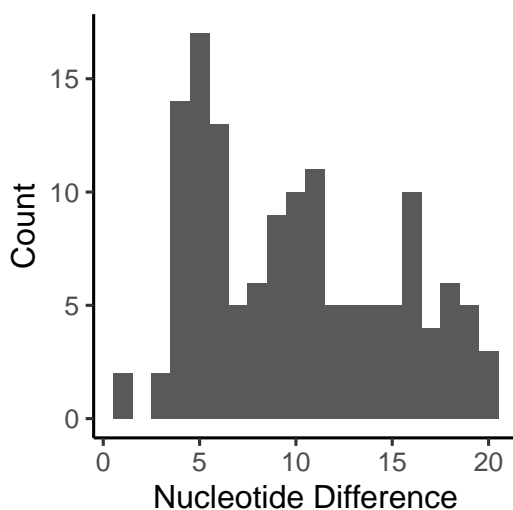
IGHV4-61*01

909 sequences assigned
No exact matches.



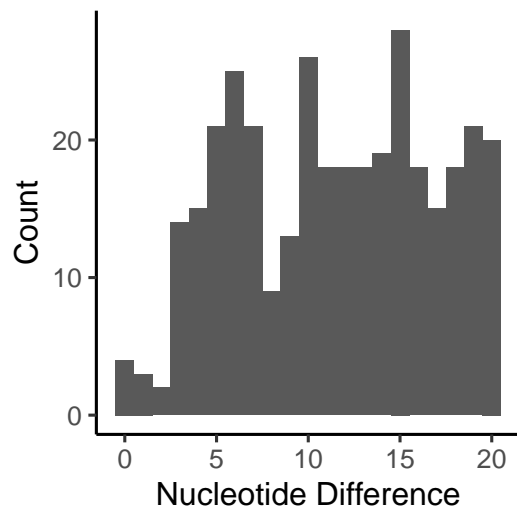
IGHV5-51*07

173 sequences assigned
No exact matches.



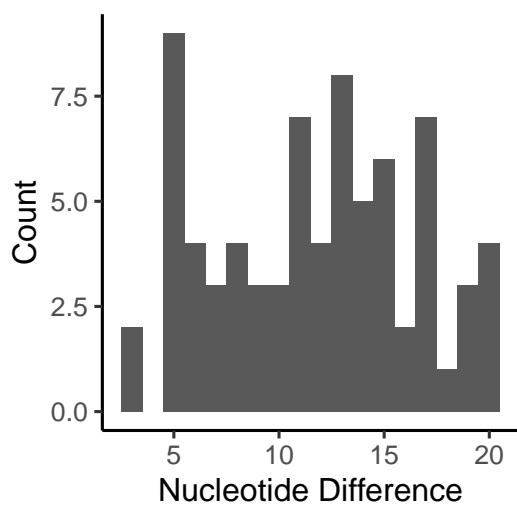
IGHV7-4-1*02

424 sequences assigned
4 (0.9%) exact matches, in which:
4 unique CDR3
2 unique J



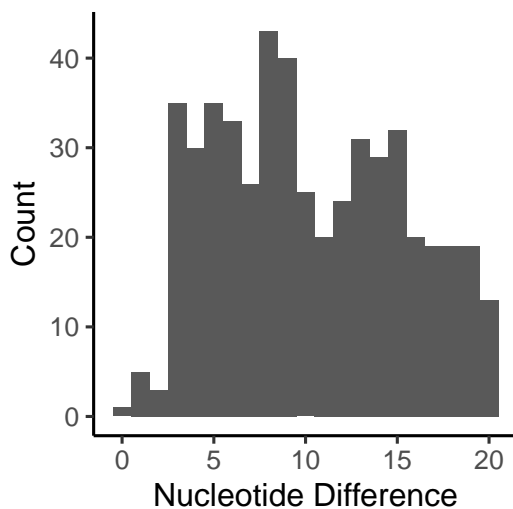
IGHV4-61*08

151 sequences assigned
No exact matches.



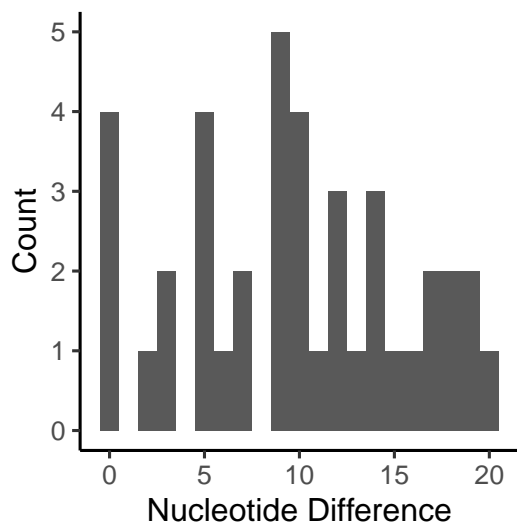
IGHV5-51*01_03

586 sequences assigned
1 (0.2%) exact matches, in which:
1 unique CDR3
1 unique J



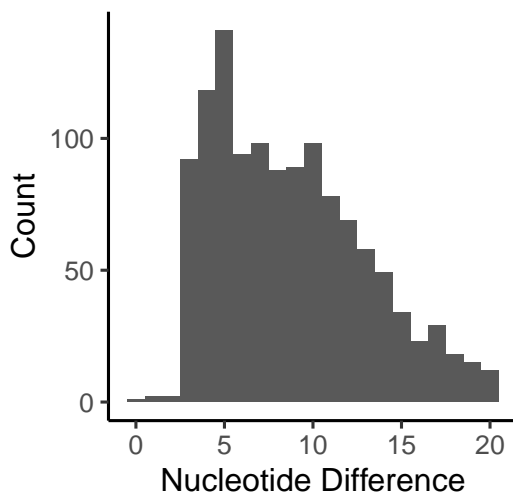
IGHV5-10-1*01_03

64 sequences assigned
4 (6.2%) exact matches, in which:
4 unique CDR3
2 unique J



IGHV6-1*01_02

1252 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J





Warning – no inferred sequences found.