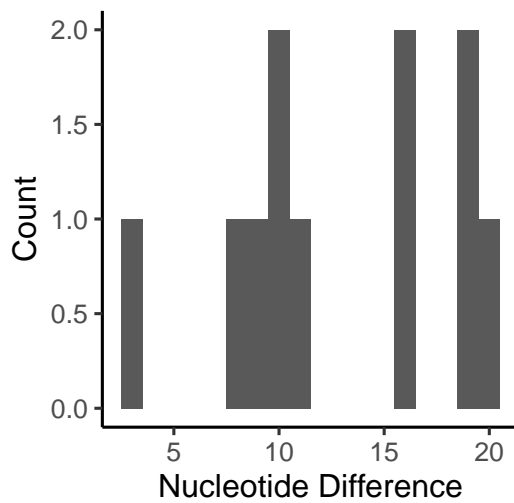


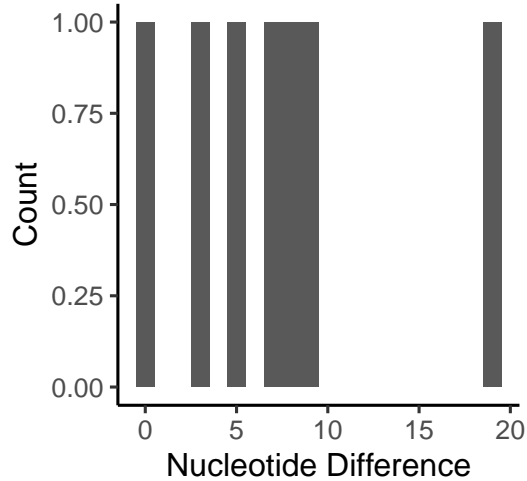
IGHV1-2*02

21 sequences assigned
No exact matches.



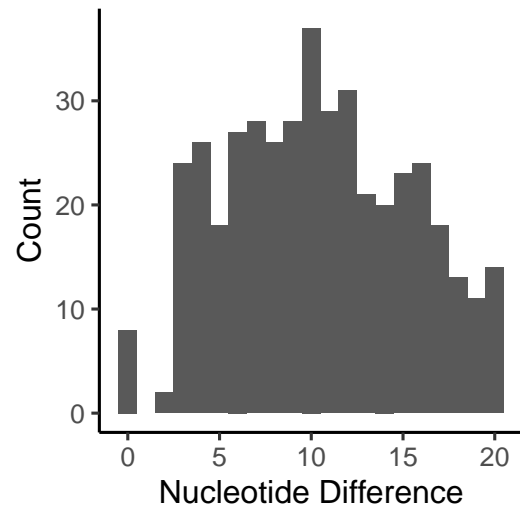
IGHV1-8*01

8 sequences assigned
1 (12.5%) exact matches, in which:
1 unique CDR3
1 unique J



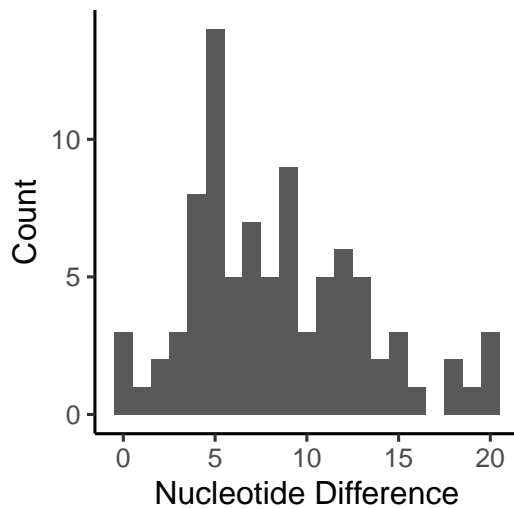
IGHV1-18*04

501 sequences assigned
8 (1.6%) exact matches, in which:
8 unique CDR3
2 unique J



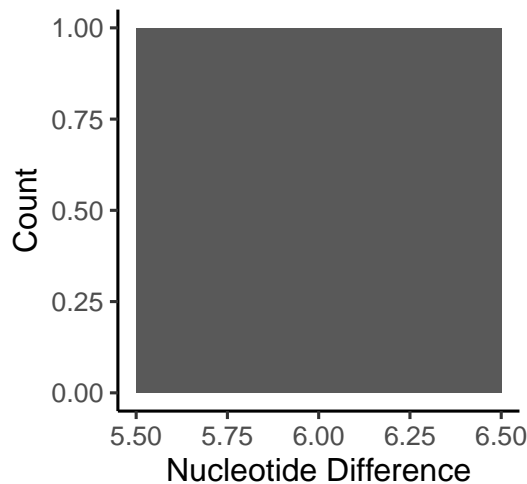
IGHV1-2*04

94 sequences assigned
3 (3.2%) exact matches, in which:
3 unique CDR3
2 unique J



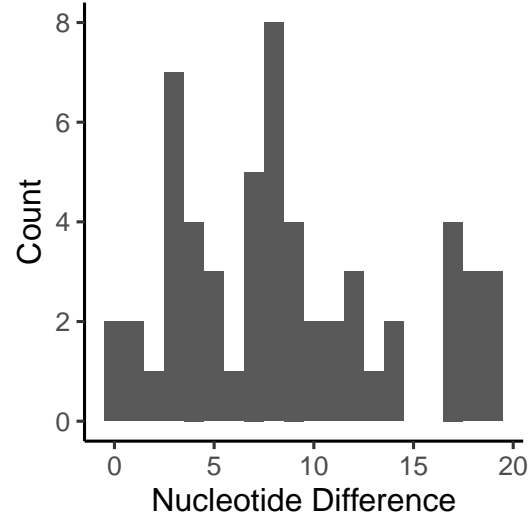
IGHV1-8*02

1 sequences assigned
No exact matches.



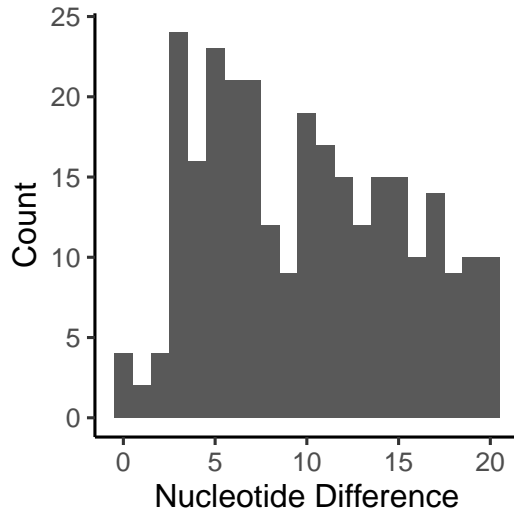
IGHV1-24*01

65 sequences assigned
2 (3.1%) exact matches, in which:
2 unique CDR3
1 unique J



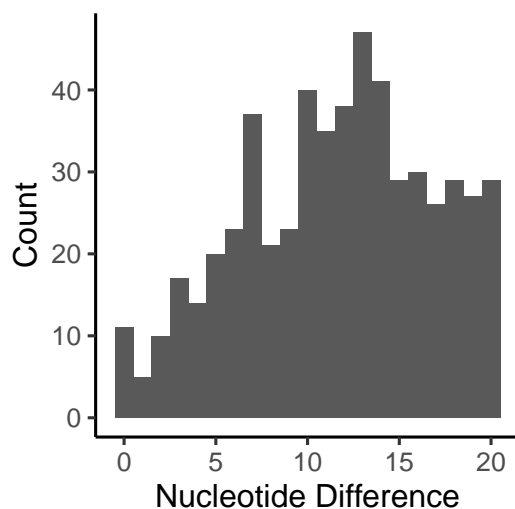
IGHV1-3*01_05

332 sequences assigned
4 (1.2%) exact matches, in which:
4 unique CDR3
2 unique J



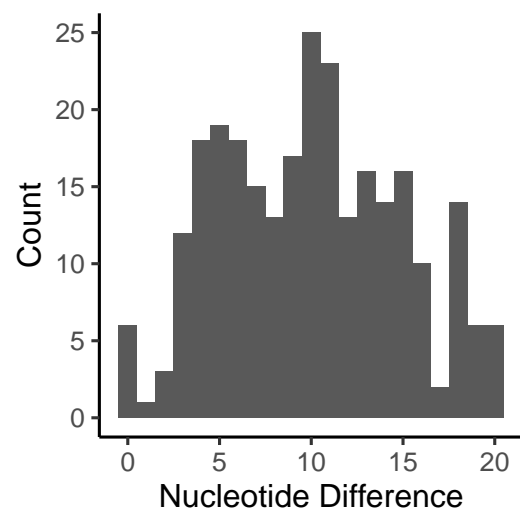
IGHV1-18*01

675 sequences assigned
11 (1.6%) exact matches, in which:
10 unique CDR3
3 unique J



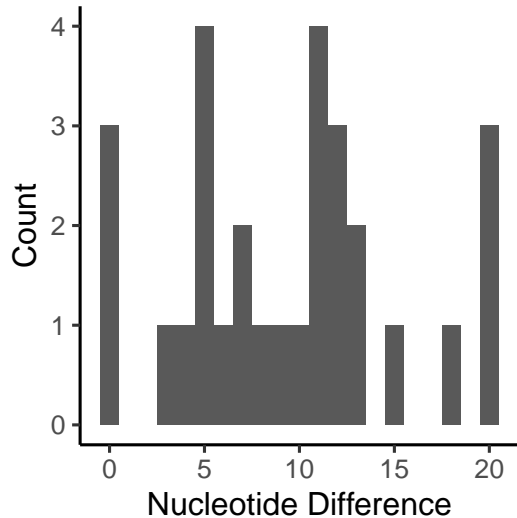
IGHV1-46*01

317 sequences assigned
6 (1.9%) exact matches, in which:
5 unique CDR3
2 unique J



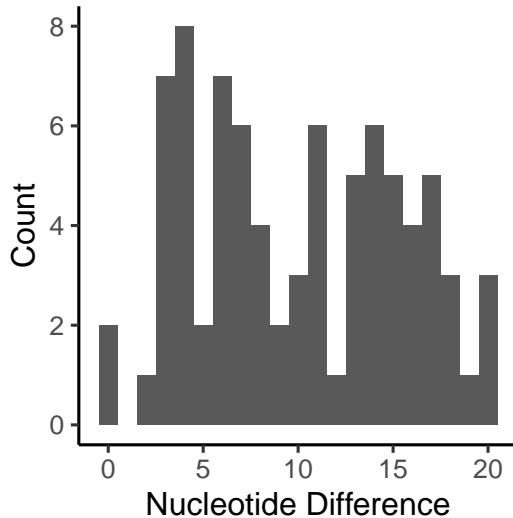
IGHV1-58*01_03

32 sequences assigned
3 (9.4%) exact matches, in which:
3 unique CDR3
3 unique J



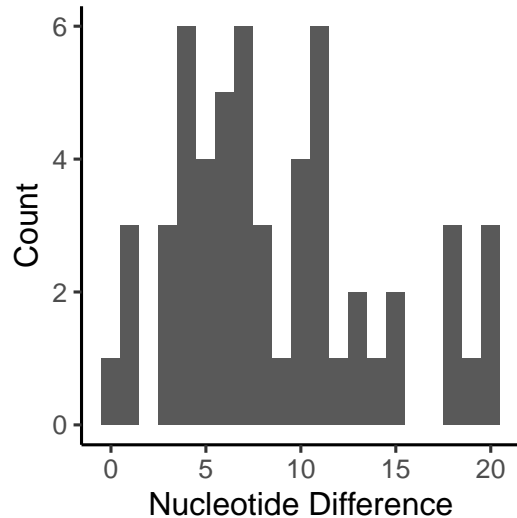
IGHV1-69*06_14

116 sequences assigned
2 (1.7%) exact matches, in which:
2 unique CDR3
2 unique J



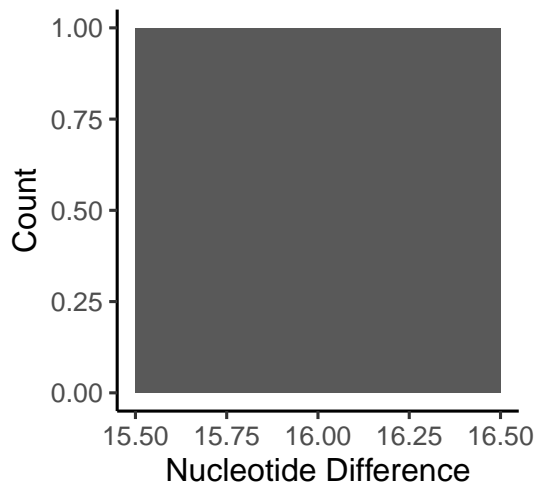
IGHV2-70*01

59 sequences assigned
1 (1.7%) exact matches, in which:
1 unique CDR3
1 unique J



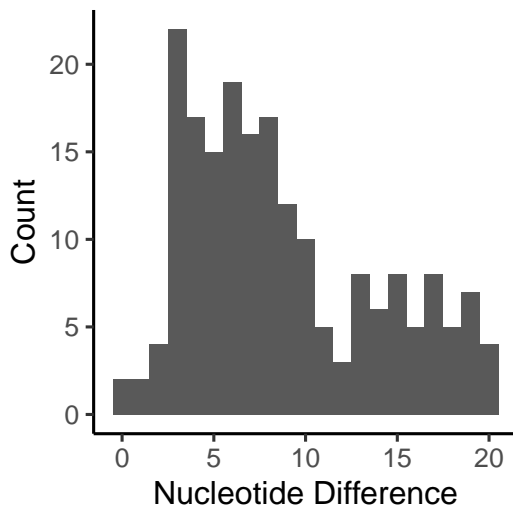
IGHV1-69-2*01

3 sequences assigned
No exact matches.



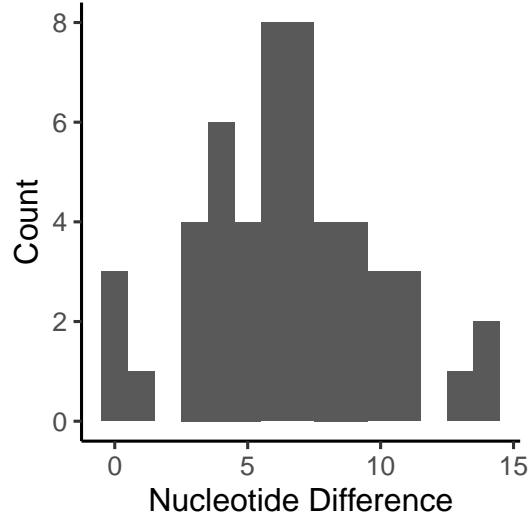
IGHV2-5*02

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



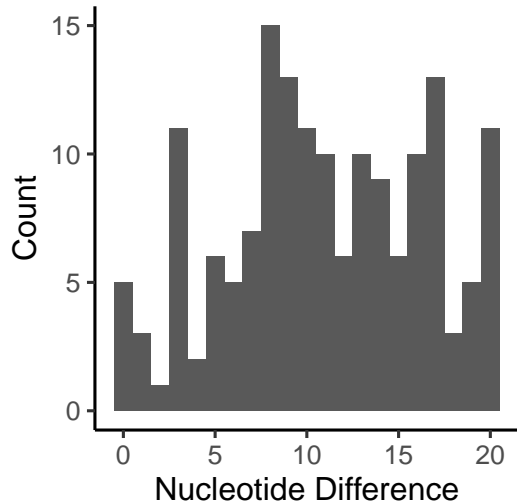
IGHV2-70*04

51 sequences assigned
3 (5.9%) exact matches, in which:
3 unique CDR3
3 unique J



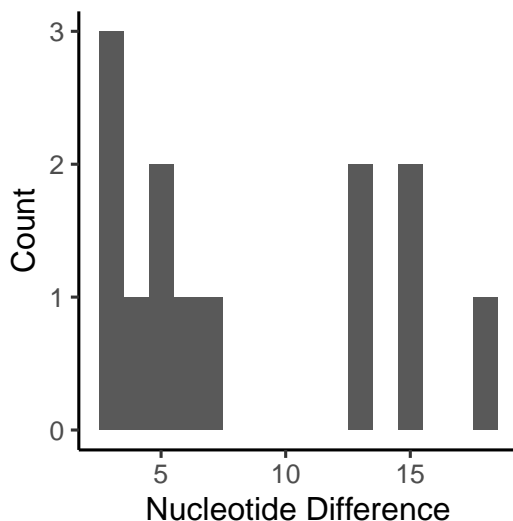
IGHV1-69*01_12_13

280 sequences assigned
5 (1.8%) exact matches, in which:
5 unique CDR3
3 unique J



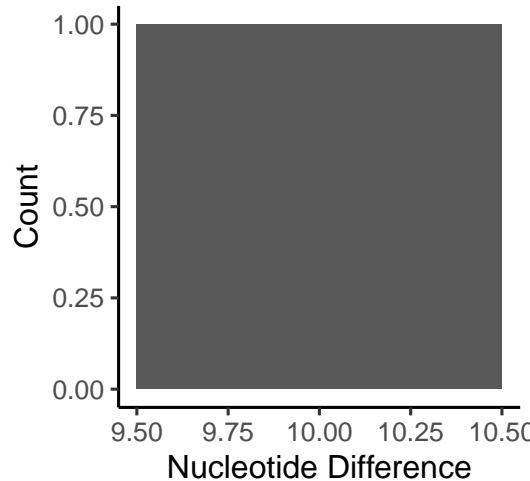
IGHV2-26*01

15 sequences assigned
No exact matches.



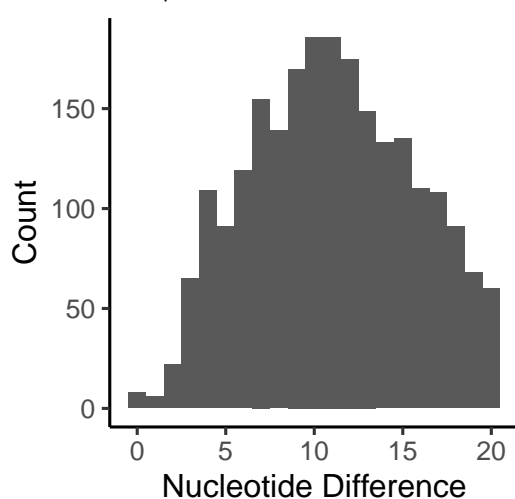
IGHV2-70D*14

1 sequences assigned
No exact matches.



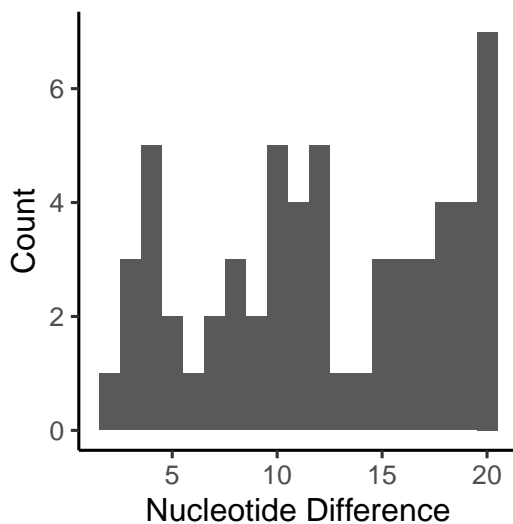
IGHV3-7*03

2528 sequences assigned
8 (0.3%) exact matches, in which:
7 unique CDR3
3 unique J



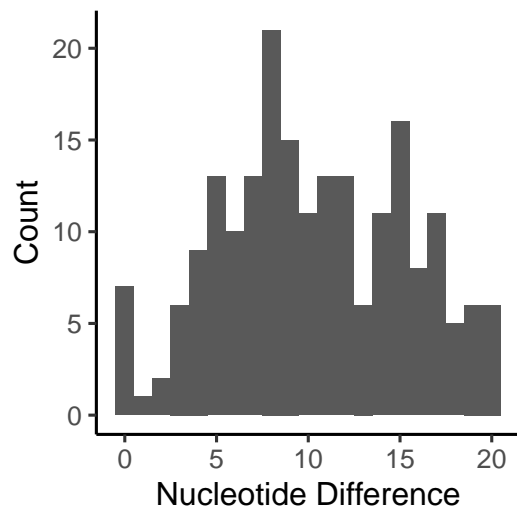
IGHV3-13*01

70 sequences assigned
No exact matches.



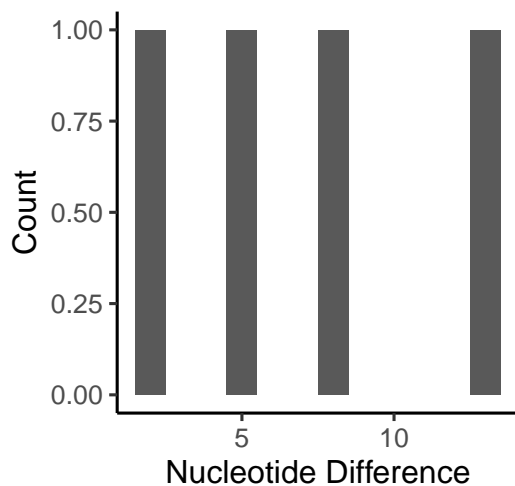
IGHV3-15*01_02

240 sequences assigned
7 (2.9%) exact matches, in which:
6 unique CDR3
4 unique J



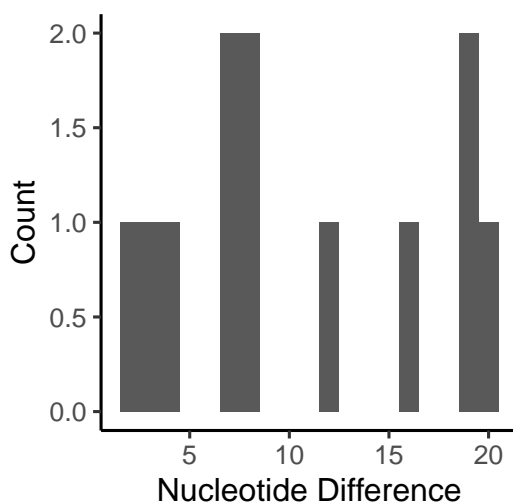
IGHV3-9*01

4 sequences assigned
No exact matches.



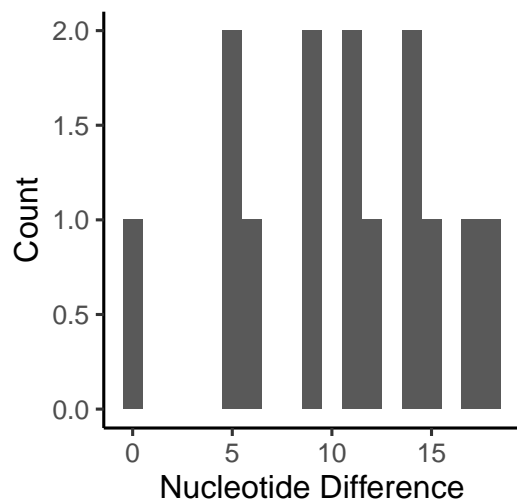
IGHV3-13*05

15 sequences assigned
No exact matches.



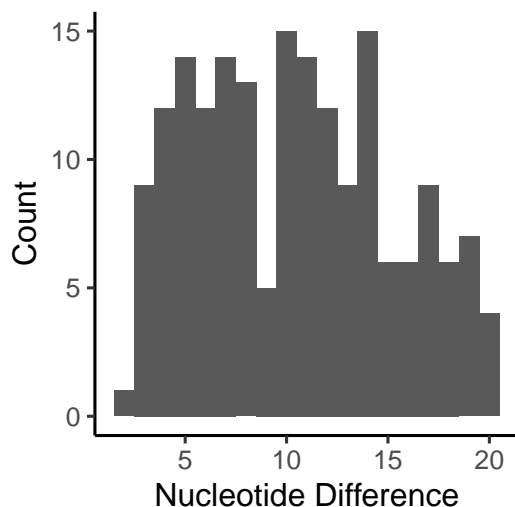
IGHV3-20*03_04

16 sequences assigned
1 (6.2%) exact matches, in which:
1 unique CDR3
1 unique J



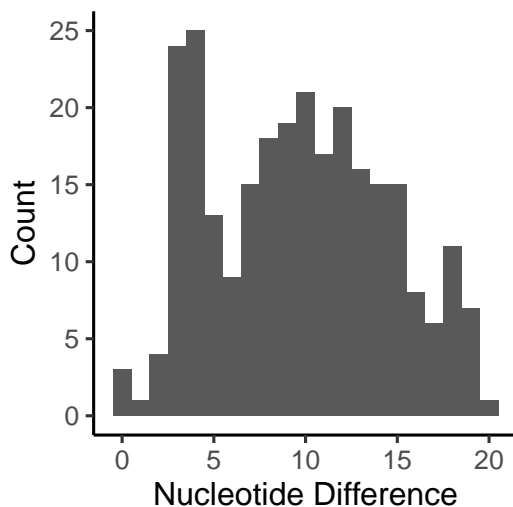
IGHV3-11*06

222 sequences assigned
No exact matches.



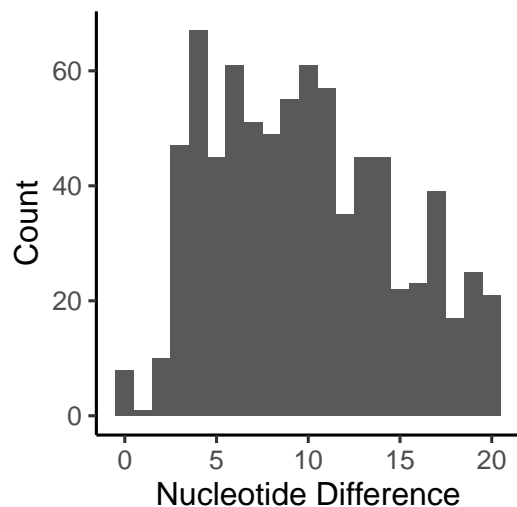
IGHV3-15*07

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



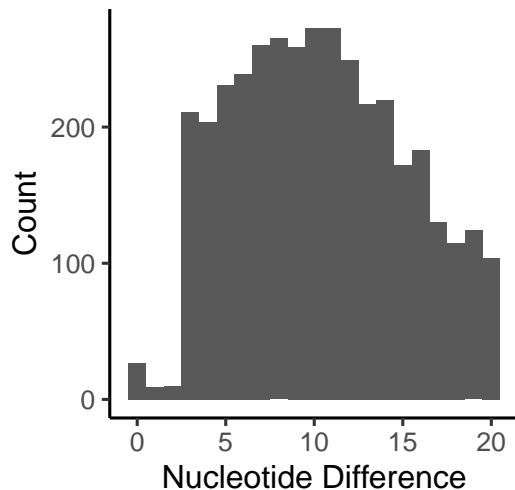
IGHV3-21*01_02

861 sequences assigned
8 (0.9%) exact matches, in which:
5 unique CDR3
2 unique J



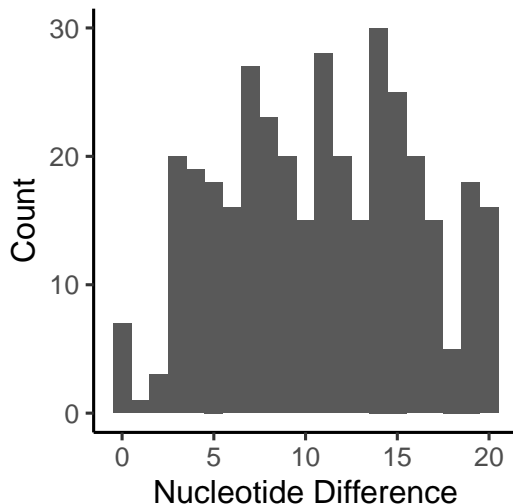
IGHV3-23*01_04

4302 sequences assigned
27 (0.6%) exact matches, in which:
18 unique CDR3
5 unique J



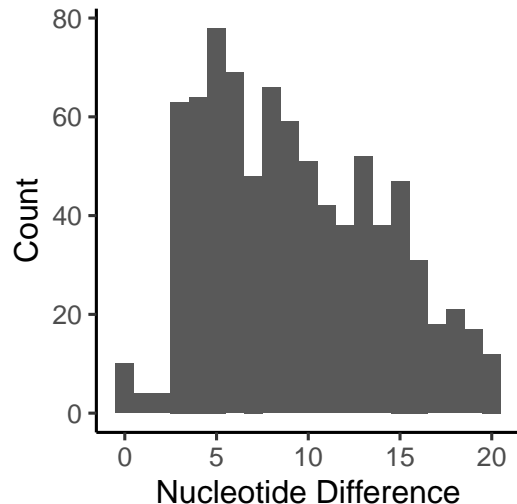
IGHV3-30*18

420 sequences assigned
7 (1.7%) exact matches, in which:
4 unique CDR3
2 unique J



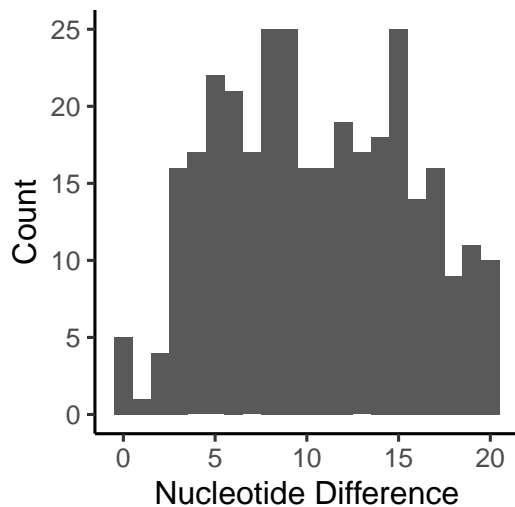
IGHV3-48*02

917 sequences assigned
10 (1.1%) exact matches, in which:
8 unique CDR3
3 unique J



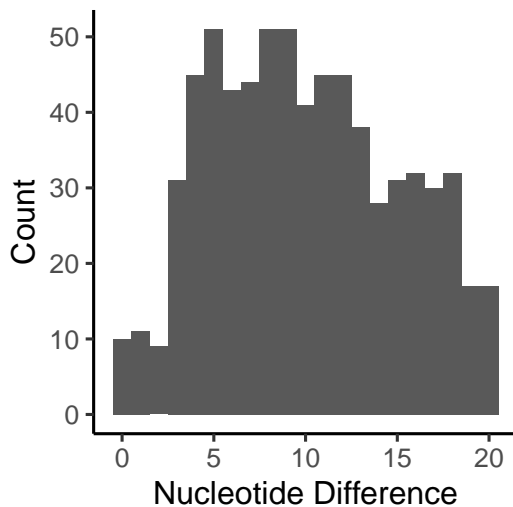
IGHV3-30-3*01

366 sequences assigned
5 (1.4%) exact matches, in which:
3 unique CDR3
2 unique J



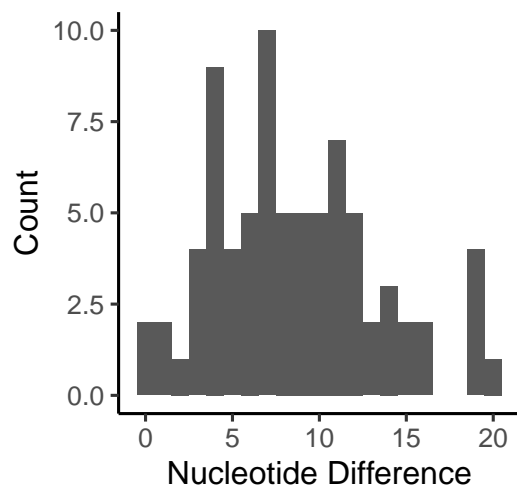
IGHV3-33*01

775 sequences assigned
10 (1.3%) exact matches, in which:
8 unique CDR3
3 unique J



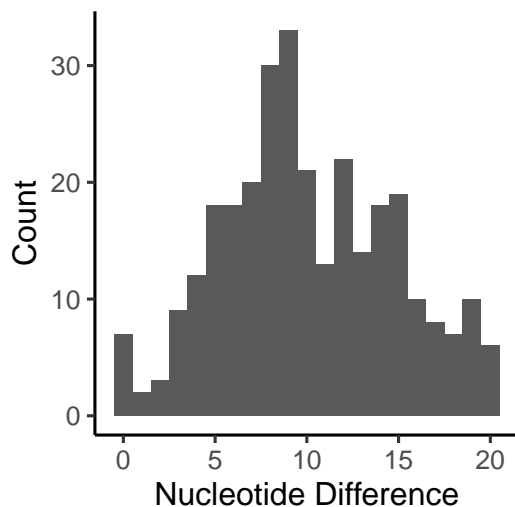
IGHV3-49*03_05

84 sequences assigned
2 (2.4%) exact matches, in which:
2 unique CDR3
1 unique J



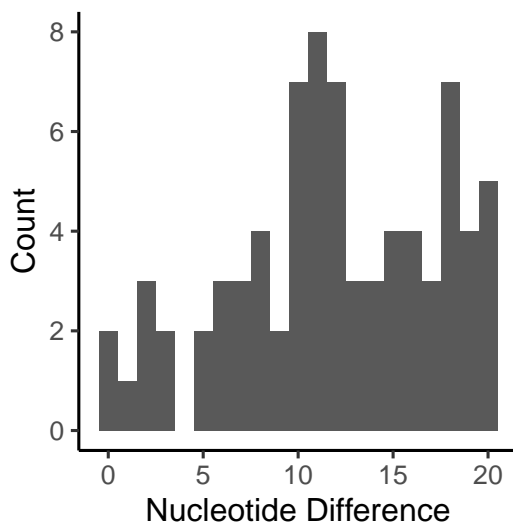
IGHV3-30*04

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



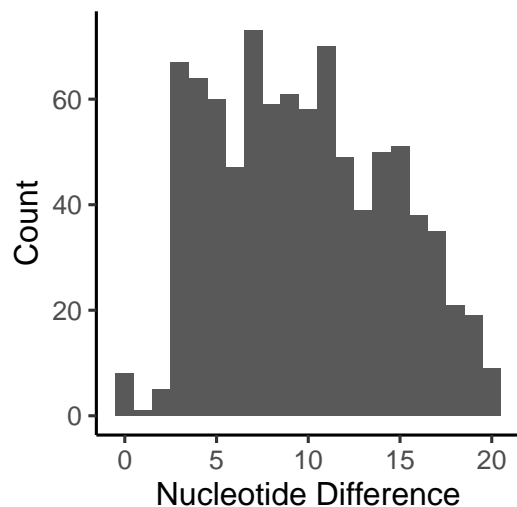
IGHV3-43*01

88 sequences assigned
2 (2.3%) exact matches, in which:
2 unique CDR3
2 unique J



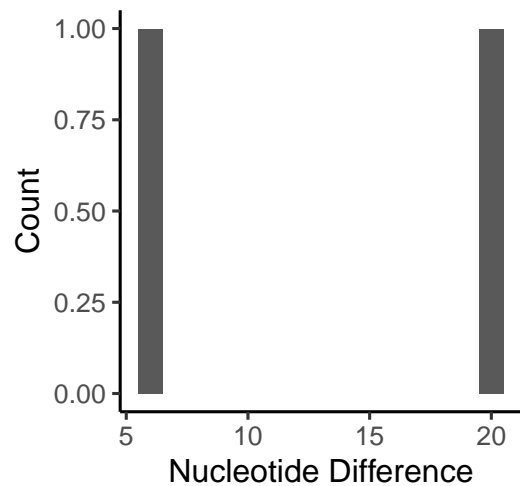
IGHV3-53*01_02

970 sequences assigned
8 (0.8%) exact matches, in which:
7 unique CDR3
4 unique J



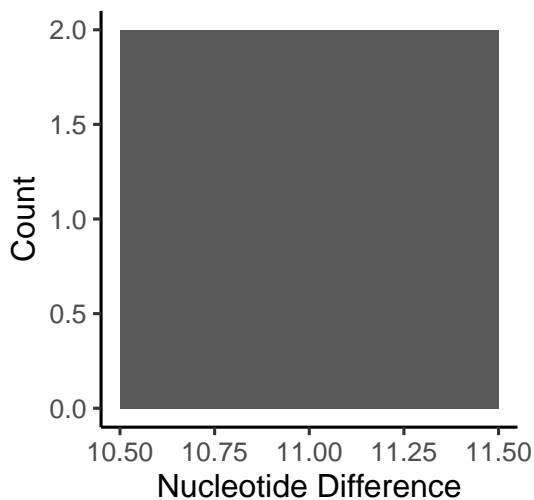
IGHV3-64*04

2 sequences assigned
No exact matches.



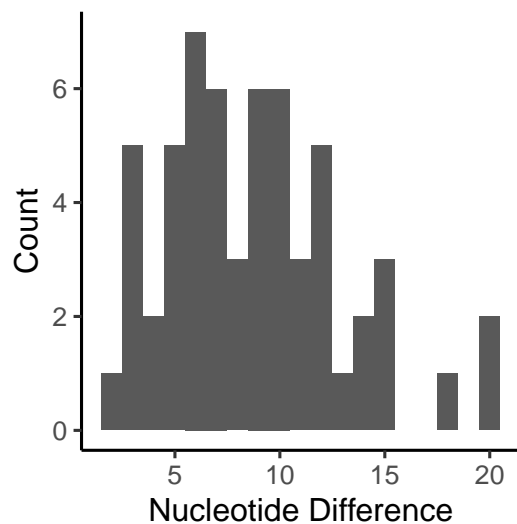
IGHV3-66*04

2 sequences assigned
No exact matches.



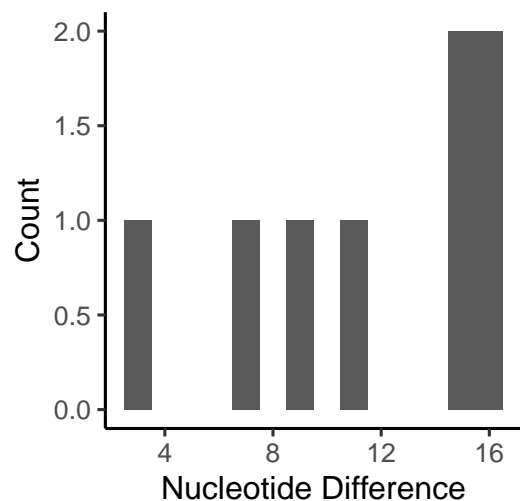
IGHV3-73*01_02

61 sequences assigned
No exact matches.



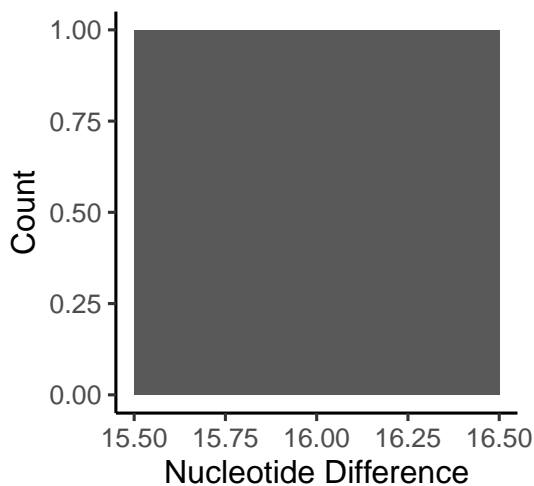
IGHV3-64*02_07

8 sequences assigned
No exact matches.



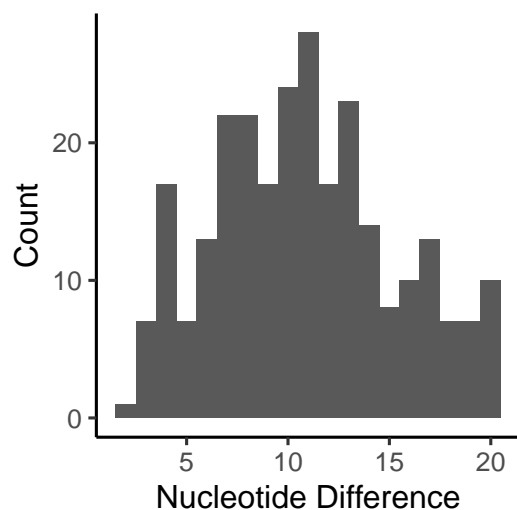
IGHV3-69-1*02

1 sequences assigned
No exact matches.



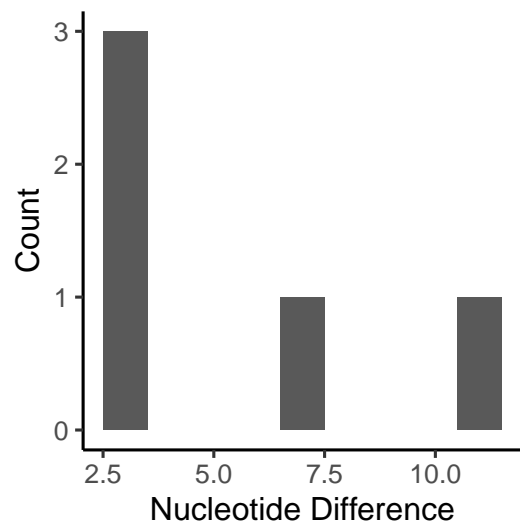
IGHV3-74*03

306 sequences assigned
No exact matches.



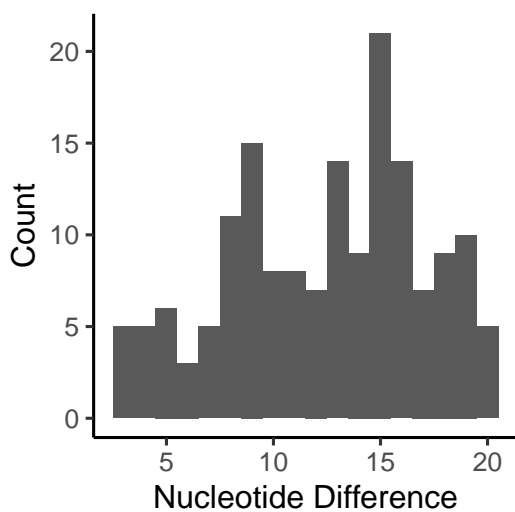
IGHV3-66*03

5 sequences assigned
No exact matches.



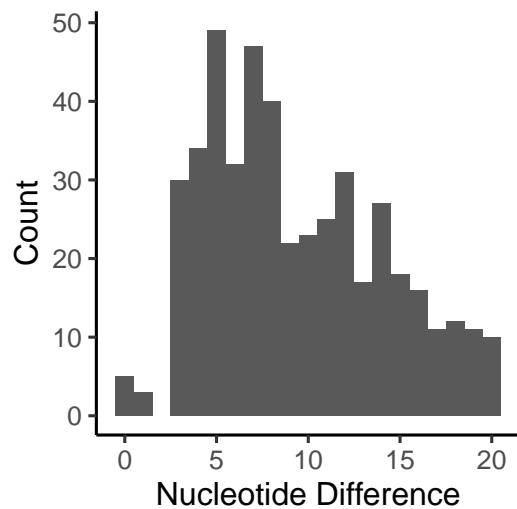
IGHV3-72*01

171 sequences assigned
No exact matches.



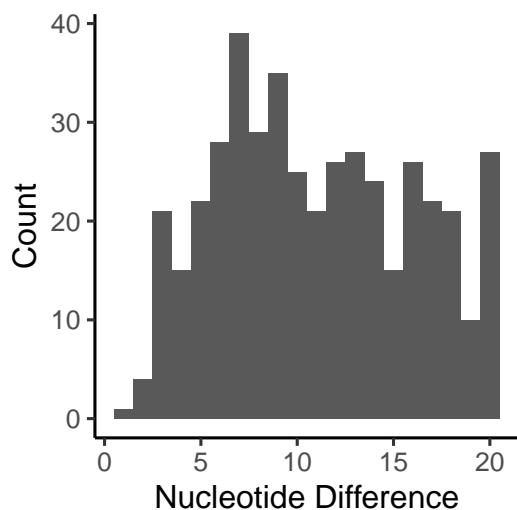
IGHV3-74*01_02

494 sequences assigned
5 (1%) exact matches, in which:
5 unique CDR3
3 unique J



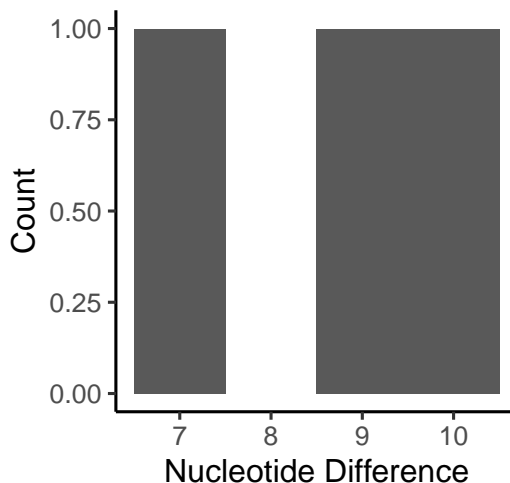
IGHV3-64D*06

510 sequences assigned
No exact matches.



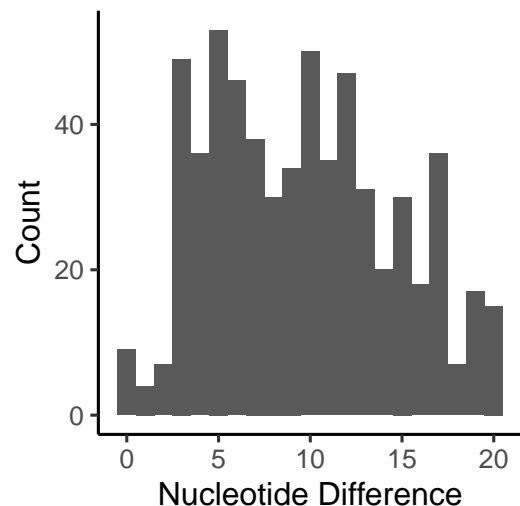
IGHV4-28*01_07

3 sequences assigned
No exact matches.



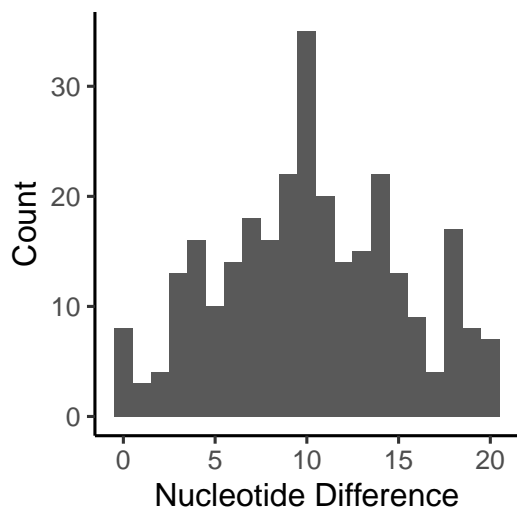
IGHV4-34*01_02

746 sequences assigned
9 (1.2%) exact matches, in which:
7 unique CDR3
3 unique J



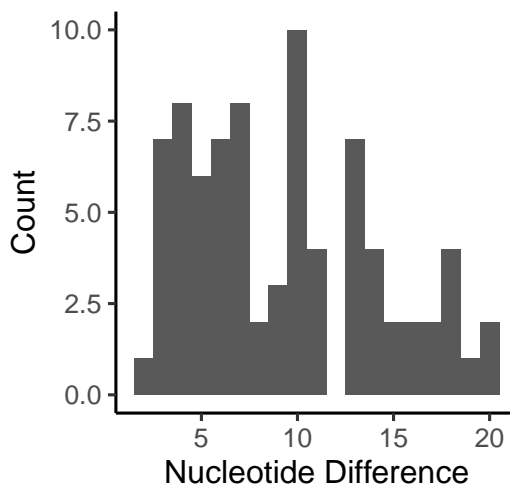
IGHV4-4*02_03

354 sequences assigned
8 (2.3%) exact matches, in which:
7 unique CDR3
3 unique J



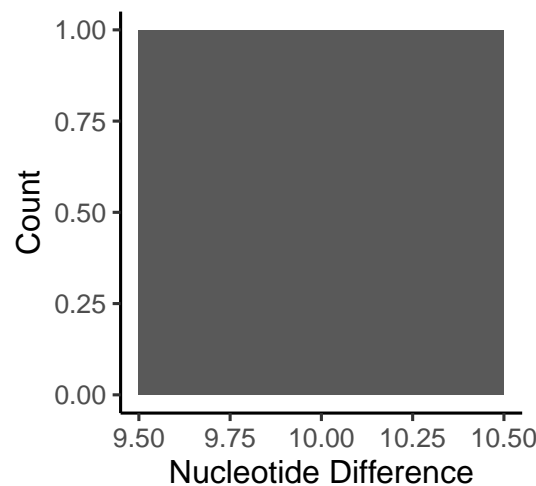
IGHV4-30-2*01

90 sequences assigned
No exact matches.



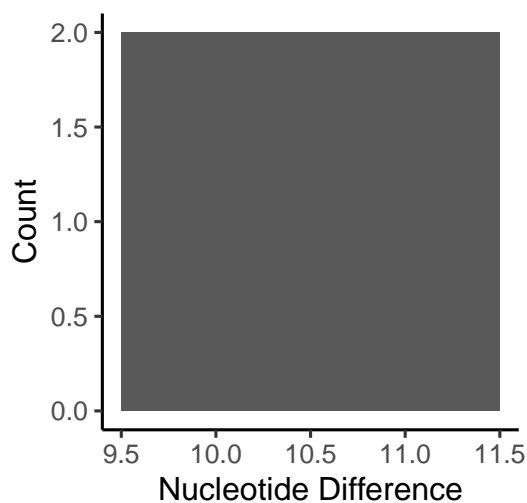
IGHV4-38-2*01

1 sequences assigned
No exact matches.



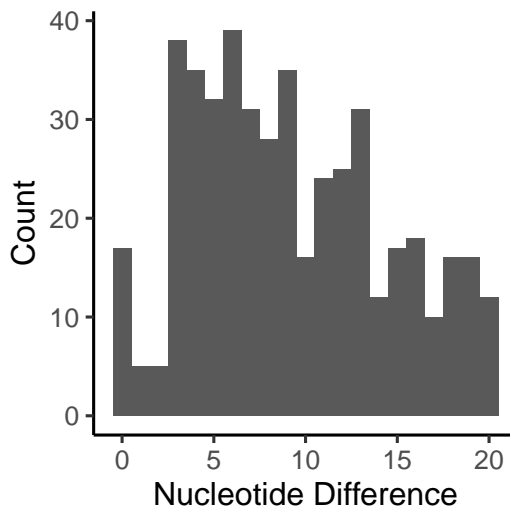
IGHV4-28*03

4 sequences assigned
No exact matches.



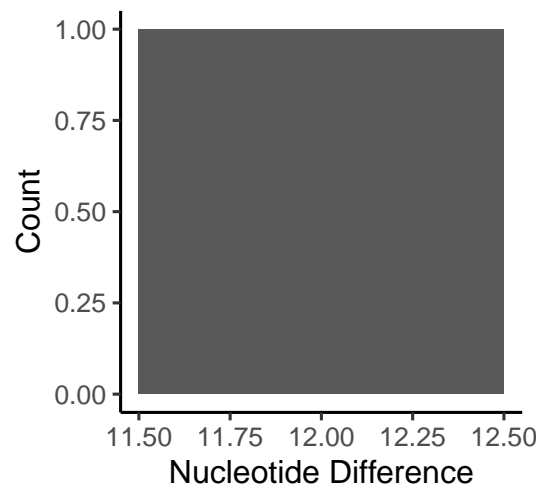
IGHV4-31*02

558 sequences assigned
17 (3%) exact matches, in which:
16 unique CDR3
5 unique J



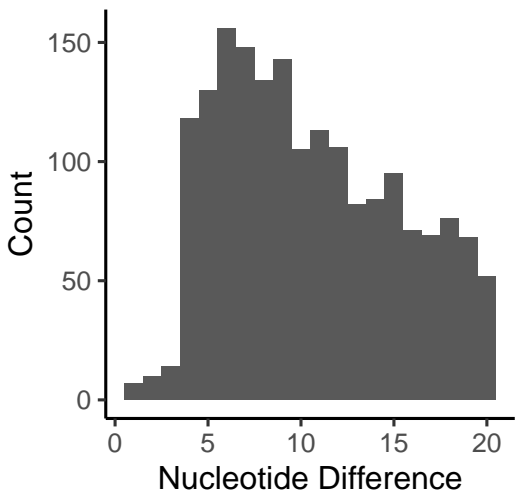
IGHV4-38-2*02

3 sequences assigned
No exact matches.



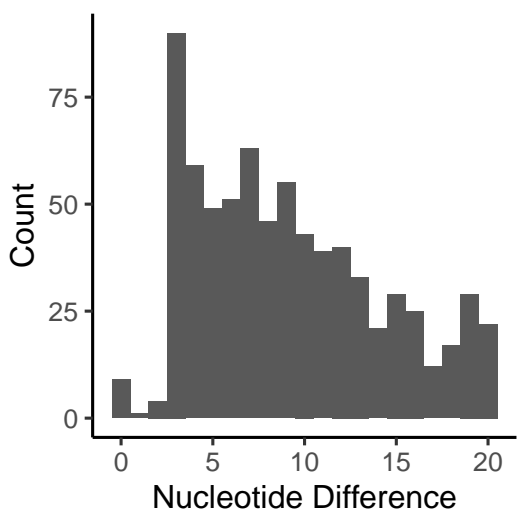
IGHV4-39*02

2070 sequences assigned
No exact matches.



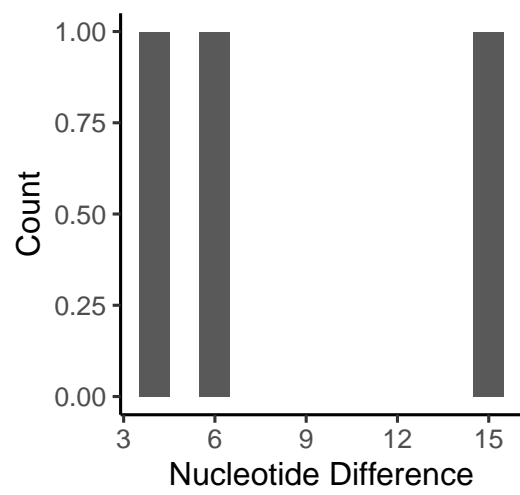
IGHV4-59*01_07

840 sequences assigned
9 (1.1%) exact matches, in which:
8 unique CDR3
3 unique J



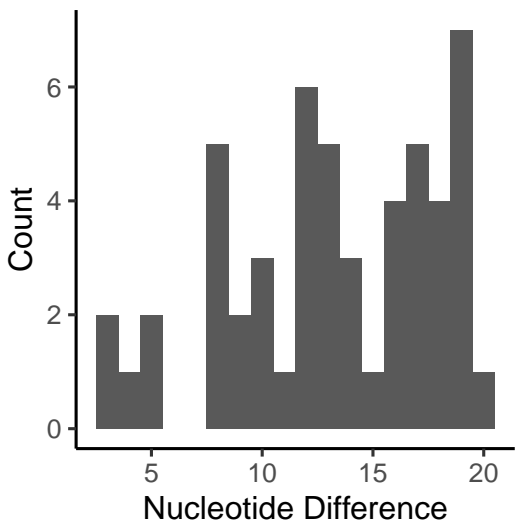
IGHV4/OR15-8*01

4 sequences assigned
No exact matches.



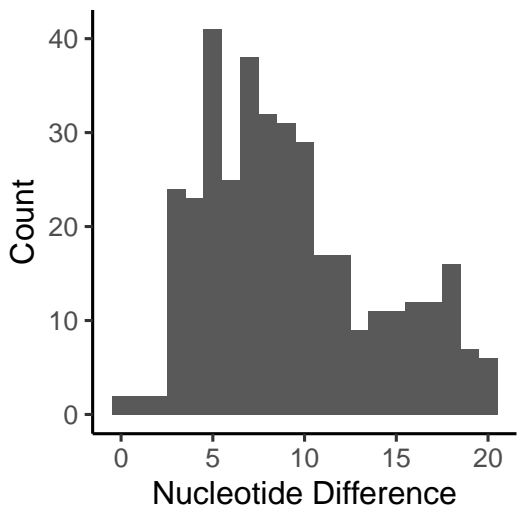
IGHV4-59*02

64 sequences assigned
No exact matches.



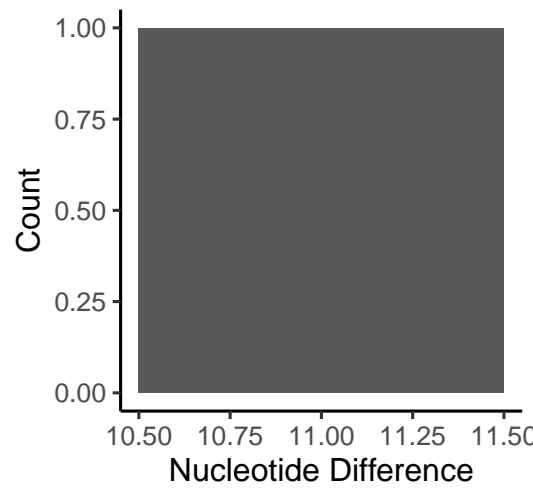
IGHV4-61*01

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



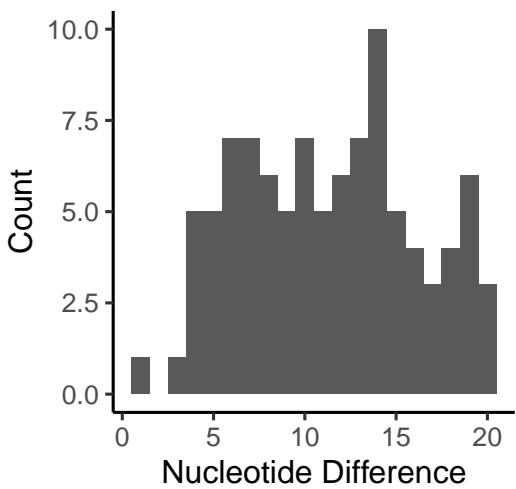
IGHV4/OR15-8*02

10 sequences assigned
No exact matches.



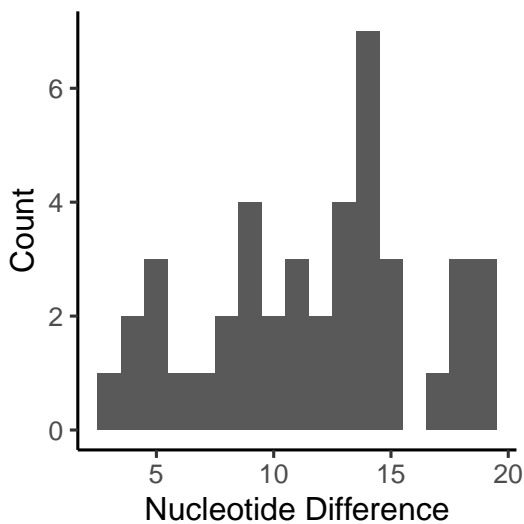
IGHV4-59*11

125 sequences assigned
No exact matches.



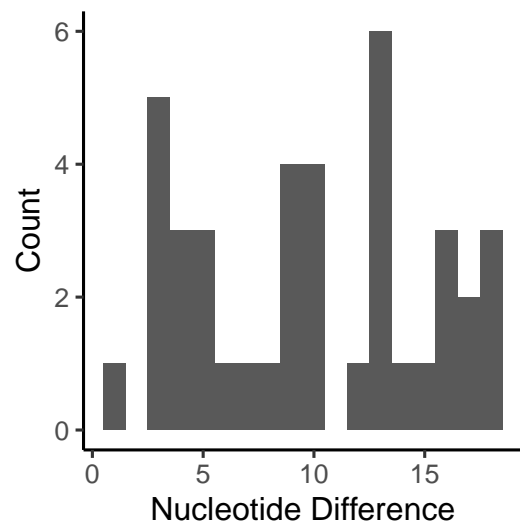
IGHV4-61*08

52 sequences assigned
No exact matches.



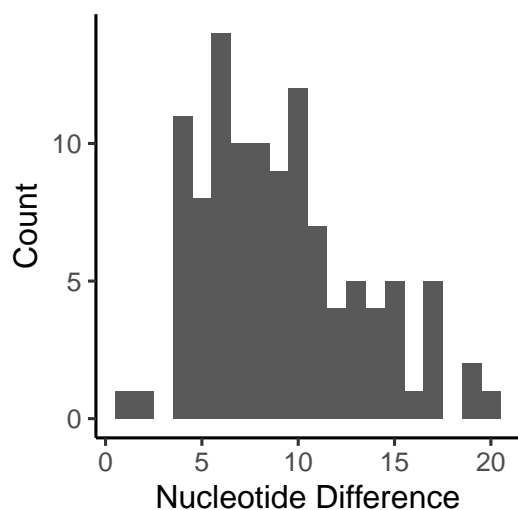
IGHV5-10-1*01_03

47 sequences assigned
No exact matches.



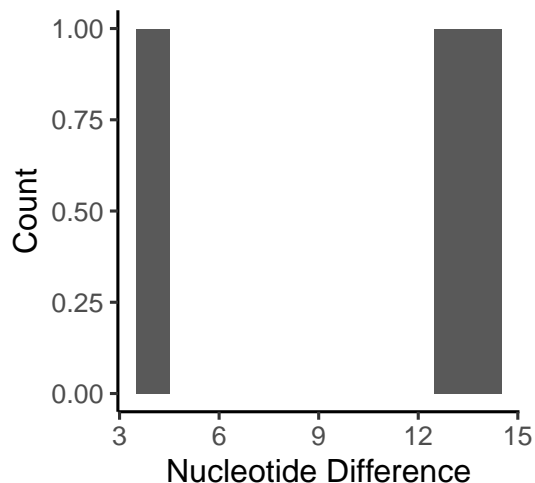
IGHV5-51*07

119 sequences assigned
No exact matches.



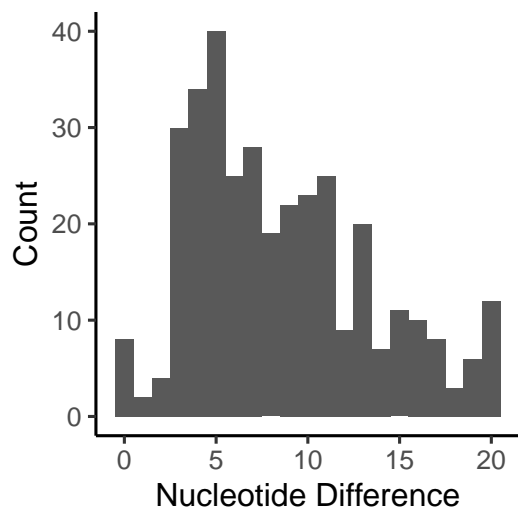
IGHV7-4-1*01

3 sequences assigned
No exact matches.



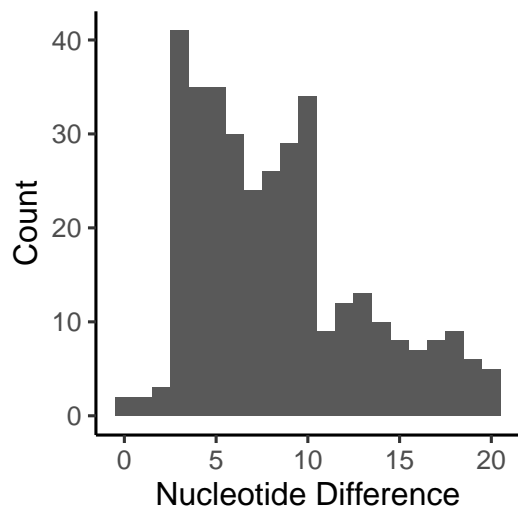
IGHV5-51*01_03

377 sequences assigned
8 (2.1%) exact matches, in which:
8 unique CDR3
3 unique J



IGHV6-1*01_02

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





Warning – no inferred sequences found.