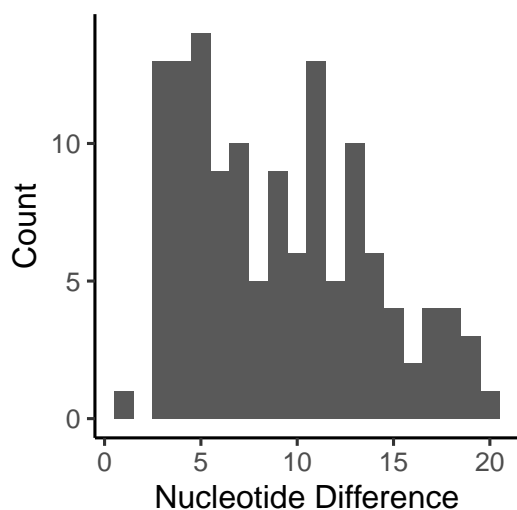


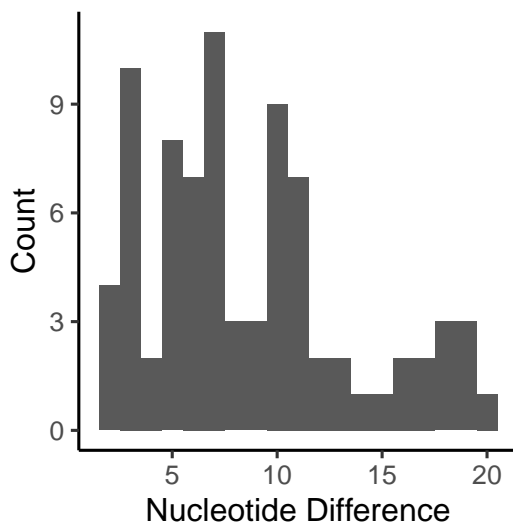
IGHV1-2*02

141 sequences assigned
No exact matches.



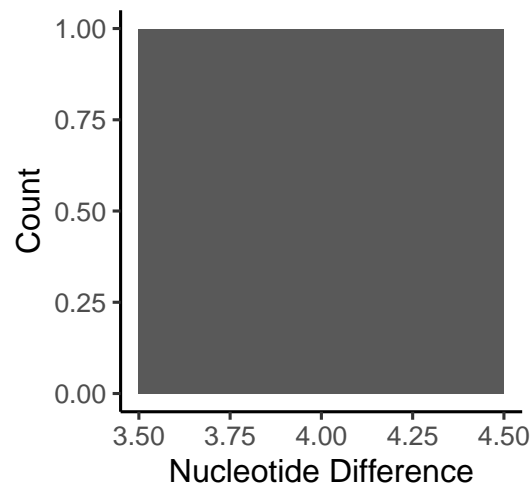
IGHV1-8*03

86 sequences assigned
No exact matches.



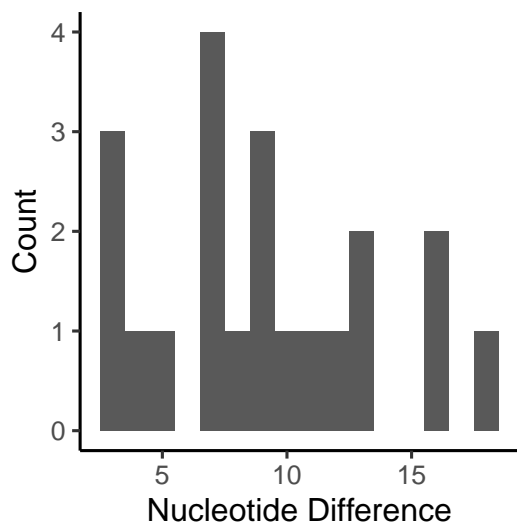
IGHV1-38-4*01

1 sequences assigned
No exact matches.



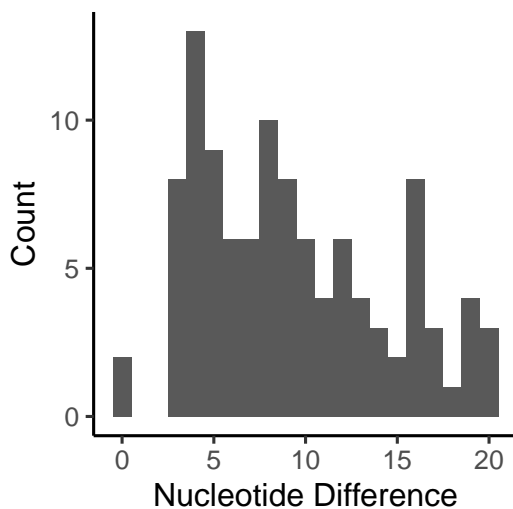
IGHV1-2*04

25 sequences assigned
No exact matches.



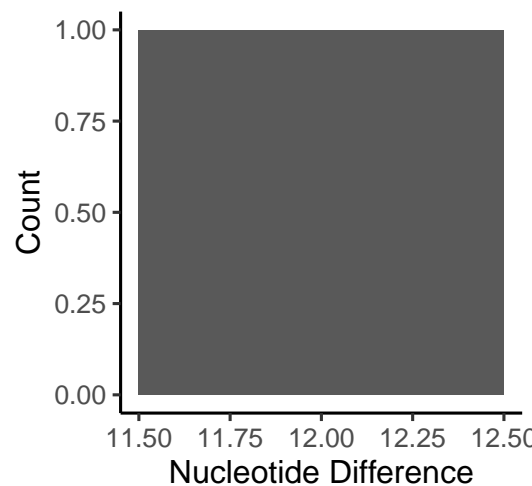
IGHV1-18*01

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



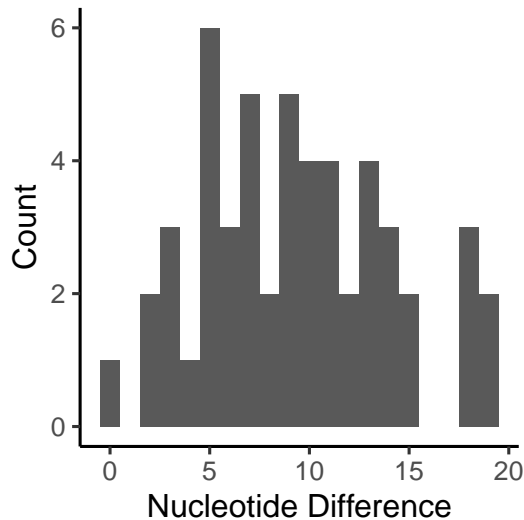
IGHV1-45*02

1 sequences assigned
No exact matches.



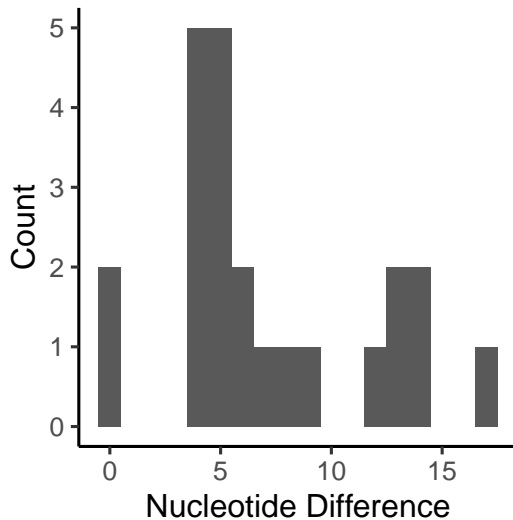
IGHV1-3*01_05

62 sequences assigned
1 (1.6%) exact matches, in which:
1 unique CDR3
1 unique J



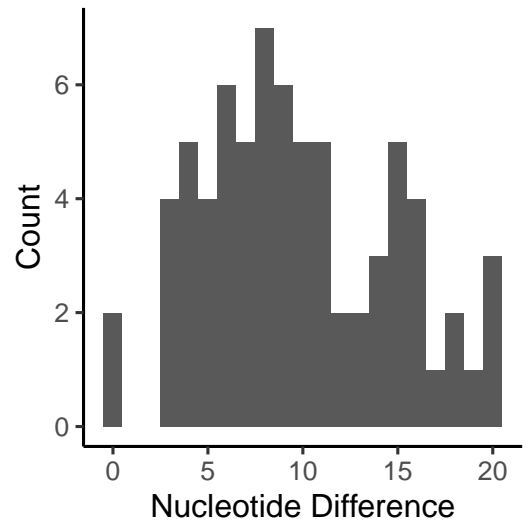
IGHV1-24*01

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



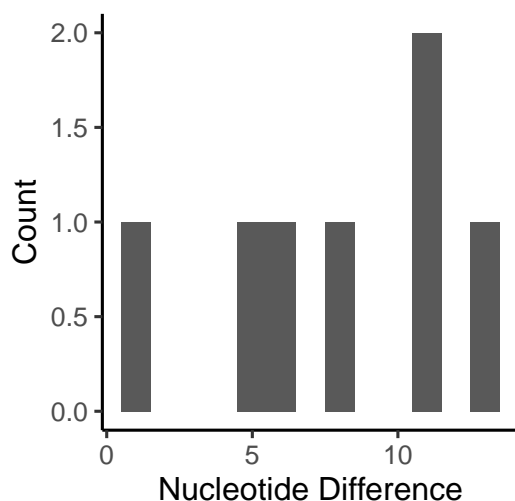
IGHV1-46*01

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



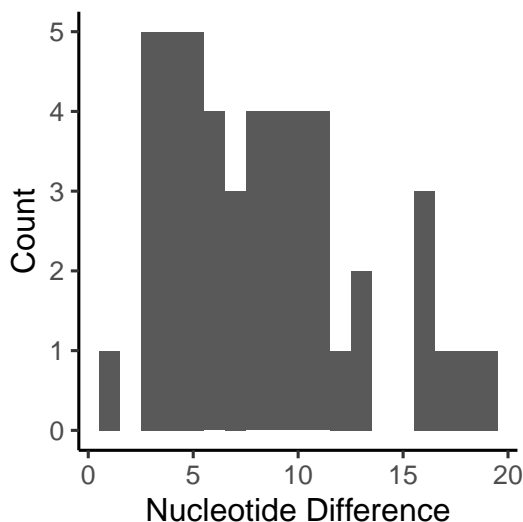
IGHV1-58*01_03

7 sequences assigned
No exact matches.



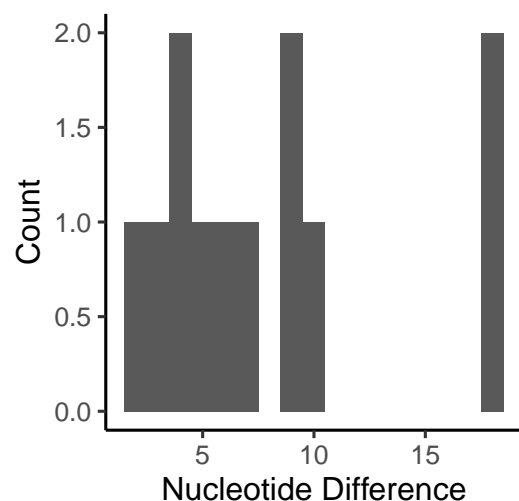
IGHV2-5*01

54 sequences assigned
No exact matches.



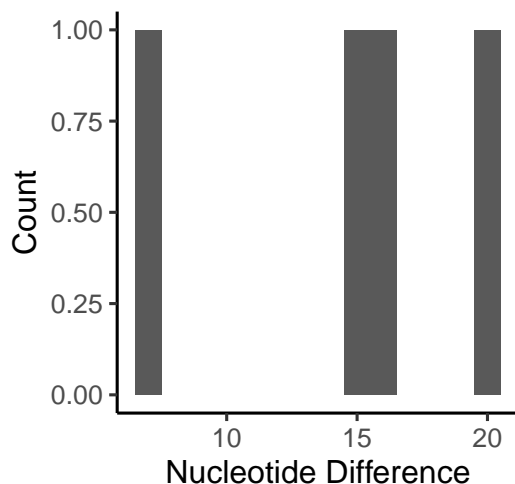
IGHV2-70*01

14 sequences assigned
No exact matches.



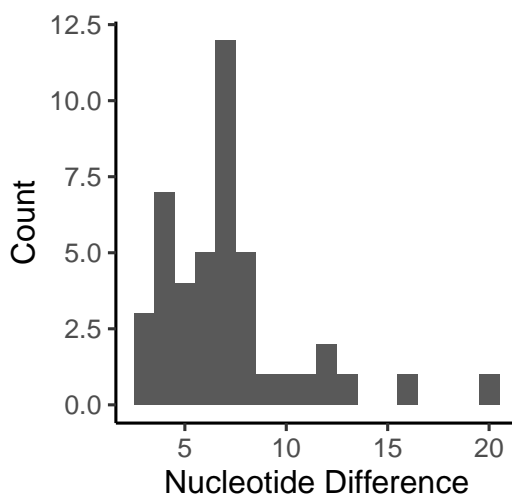
IGHV1-69-2*01

6 sequences assigned
No exact matches.



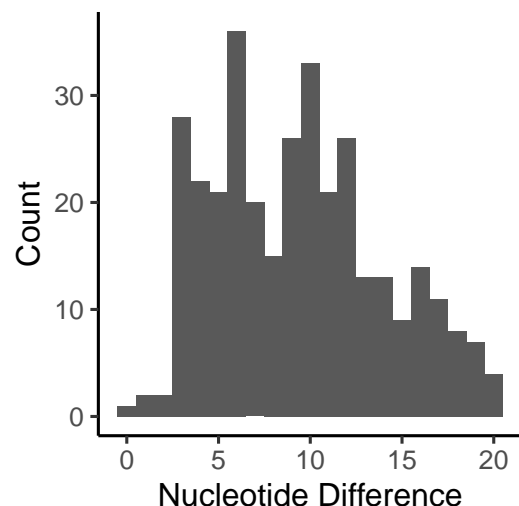
IGHV2-5*02

47 sequences assigned
No exact matches.



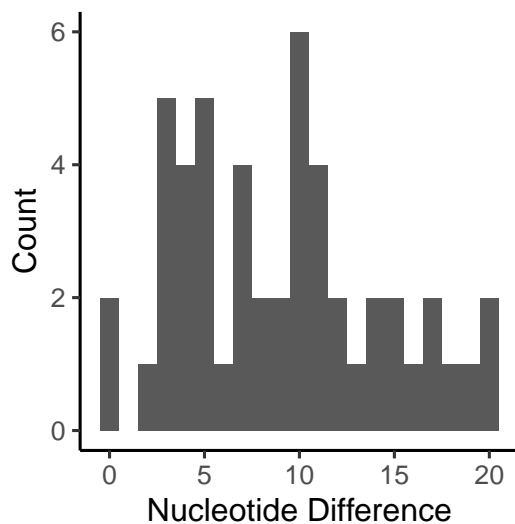
IGHV3-7*01

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



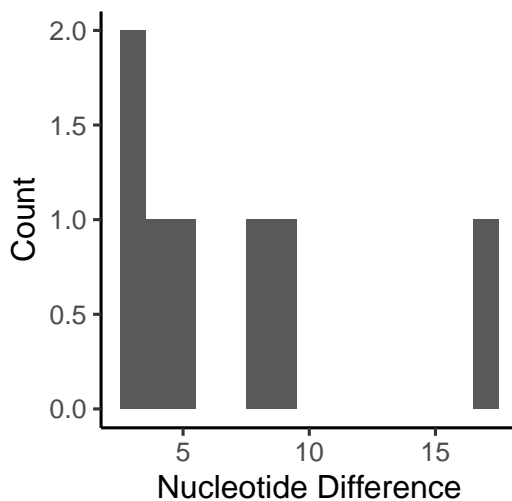
IGHV1-69*06_14

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



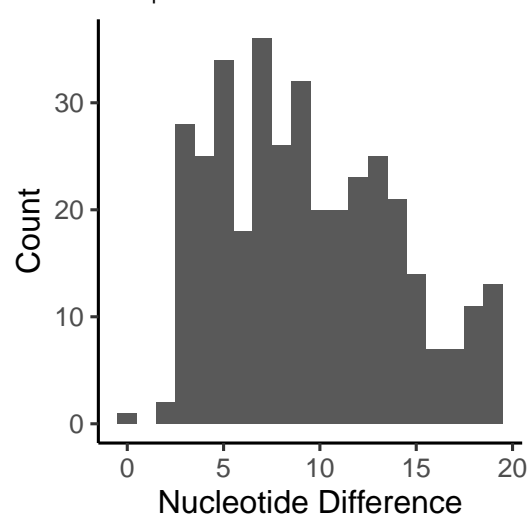
IGHV2-26*01

7 sequences assigned
No exact matches.



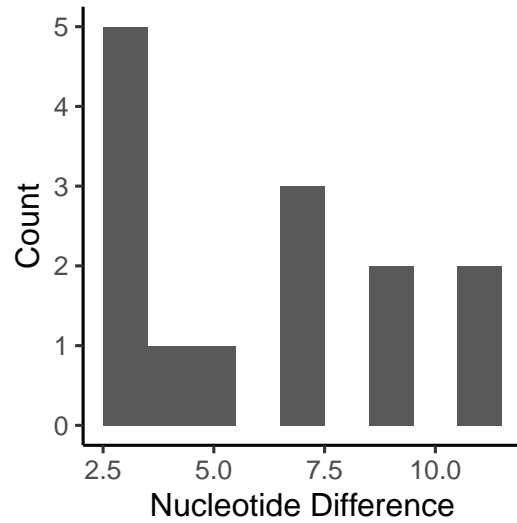
IGHV3-7*03

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



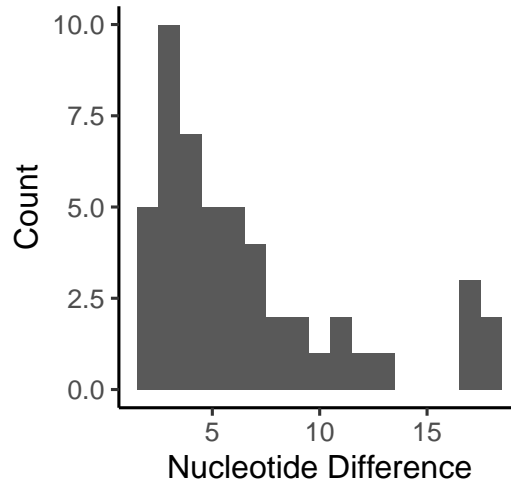
IGHV3-9*03

14 sequences assigned
No exact matches.



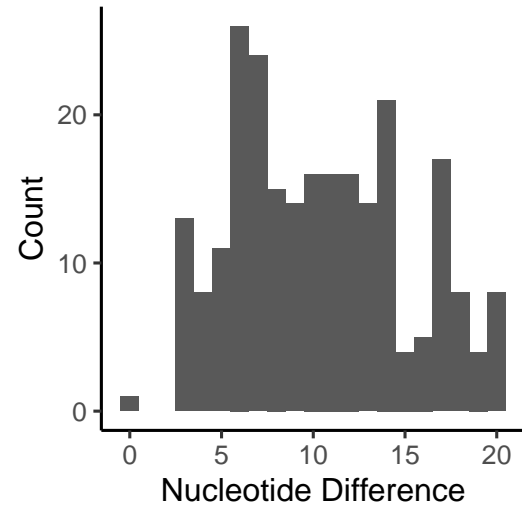
IGHV3-20*03_04

51 sequences assigned
No exact matches.



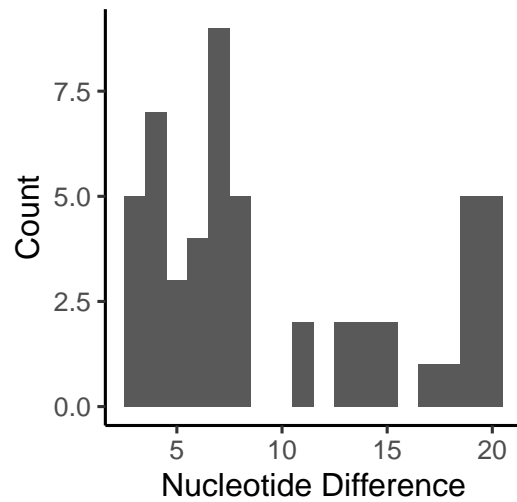
IGHV3-33*01

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



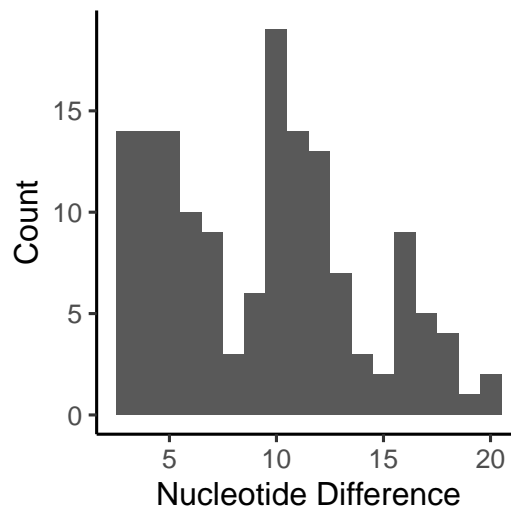
IGHV3-11*04

68 sequences assigned
No exact matches.



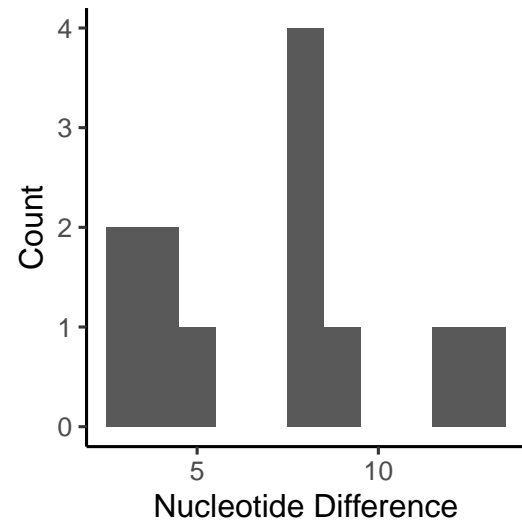
IGHV3-21*01_02

169 sequences assigned
No exact matches.



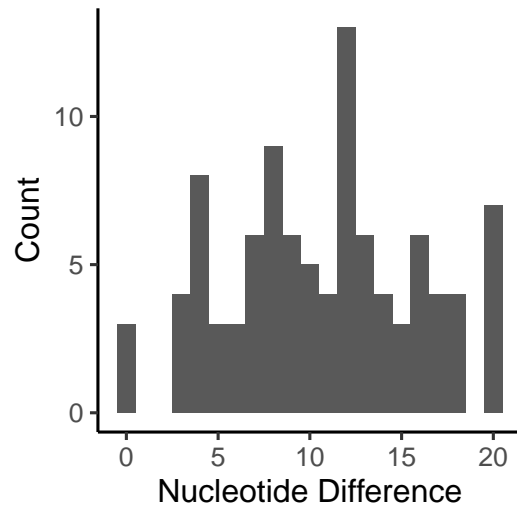
IGHV3-43*01

14 sequences assigned
No exact matches.



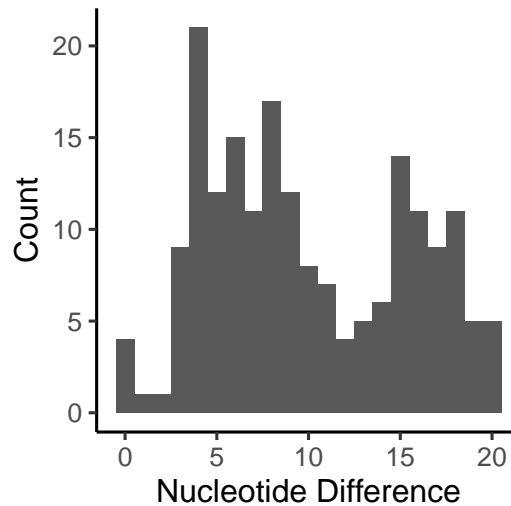
IGHV3-15*01_02

110 sequences assigned
3 (2.7%) exact matches, in which:
1 unique CDR3
1 unique J



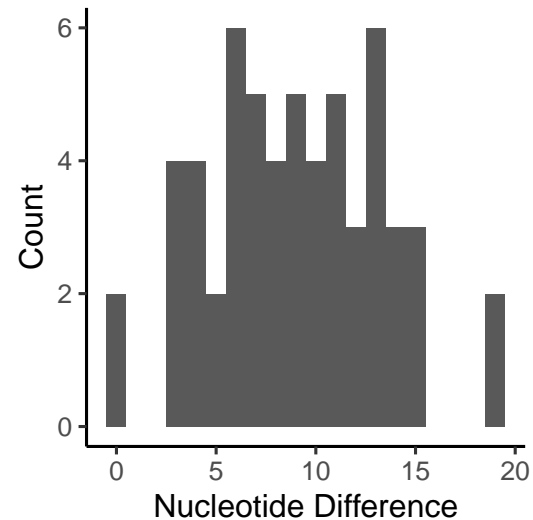
IGHV3-30-3*01

228 sequences assigned
4 (1.8%) exact matches, in which:
2 unique CDR3
2 unique J



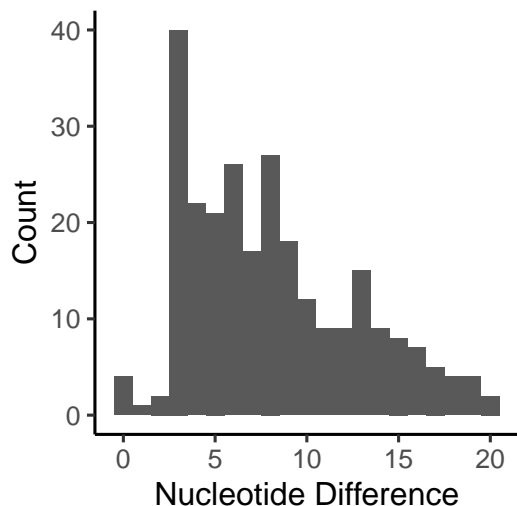
IGHV3-43*02

58 sequences assigned
2 (3.4%) exact matches, in which:
2 unique CDR3
1 unique J



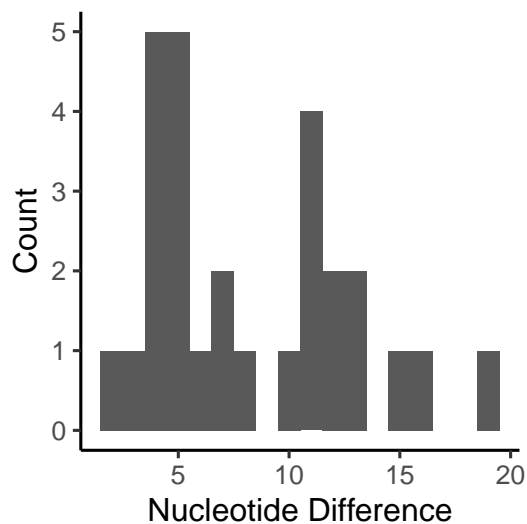
IGHV3-48*03

277 sequences assigned
4 (1.4%) exact matches, in which:
3 unique CDR3
2 unique J



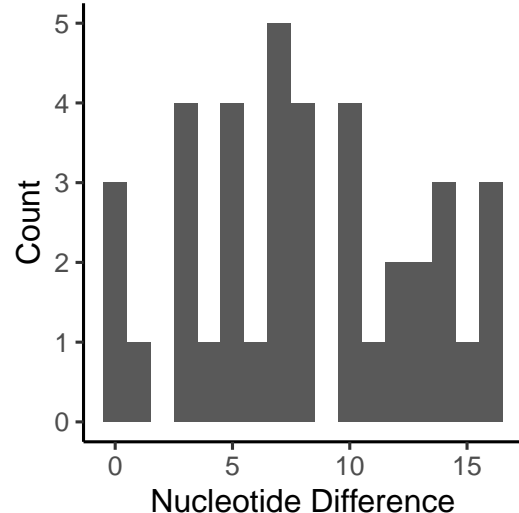
IGHV3-49*03_05

32 sequences assigned
No exact matches.



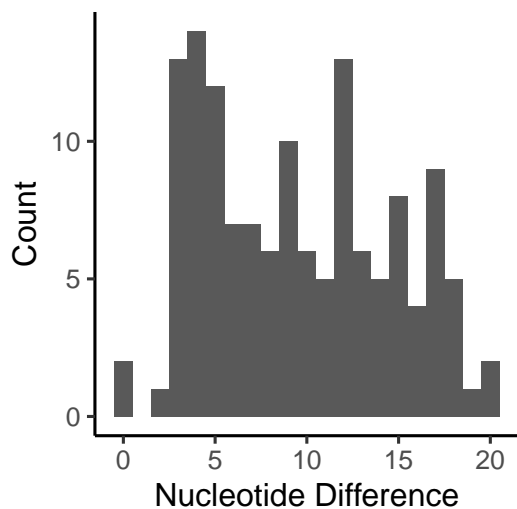
IGHV3-64*01

39 sequences assigned
3 (7.7%) exact matches, in which:
2 unique CDR3
2 unique J



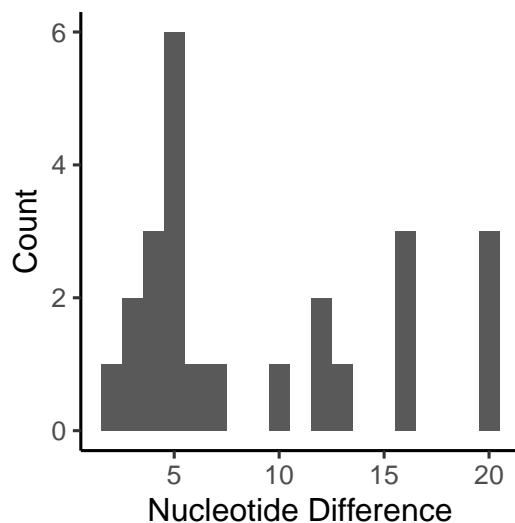
IGHV3-48*04

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



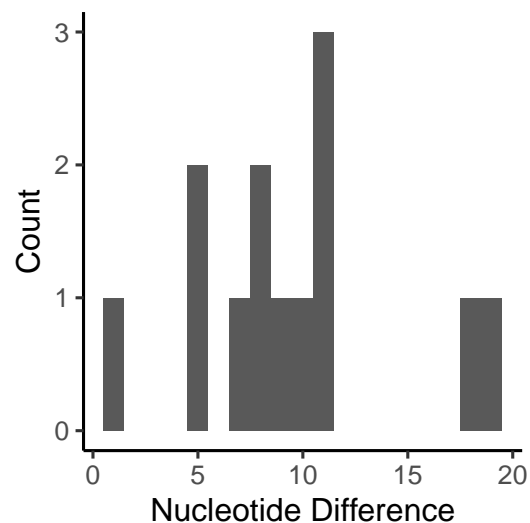
IGHV3-53*04

39 sequences assigned
No exact matches.



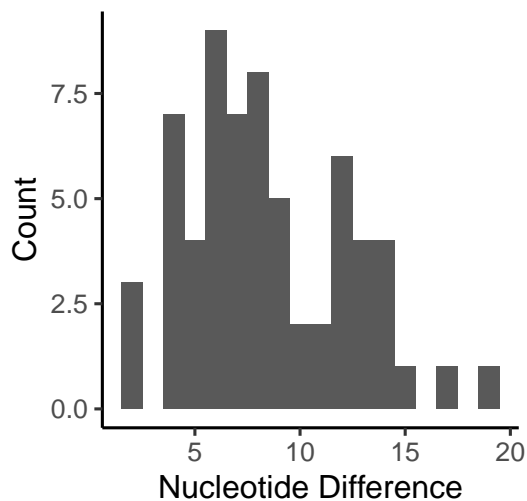
IGHV3-64*02_07

14 sequences assigned
No exact matches.



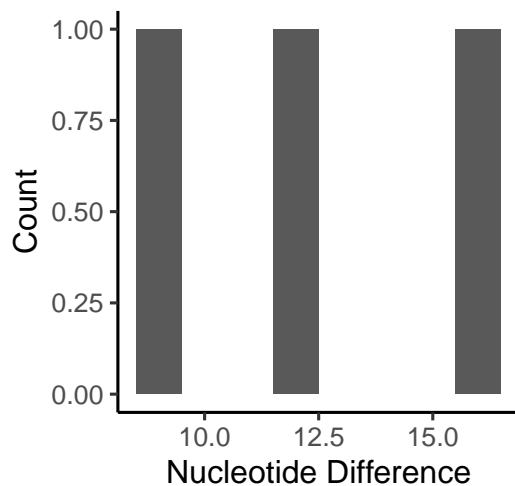
IGHV3-49*04

71 sequences assigned
No exact matches.



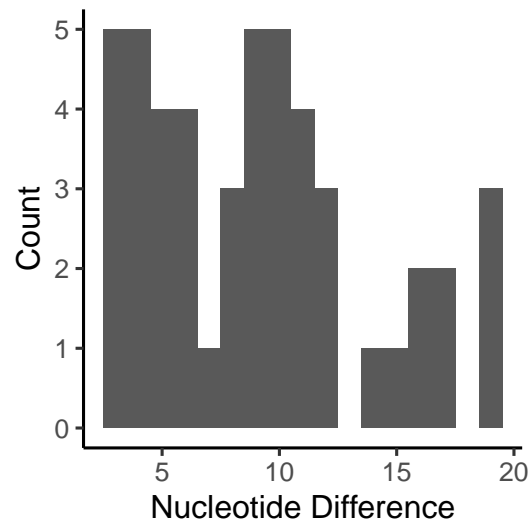
IGHV3-53*05

5 sequences assigned
No exact matches.



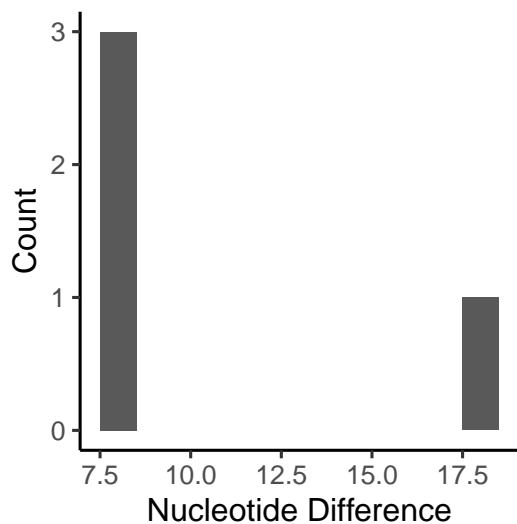
IGHV3-66*02

51 sequences assigned
No exact matches.



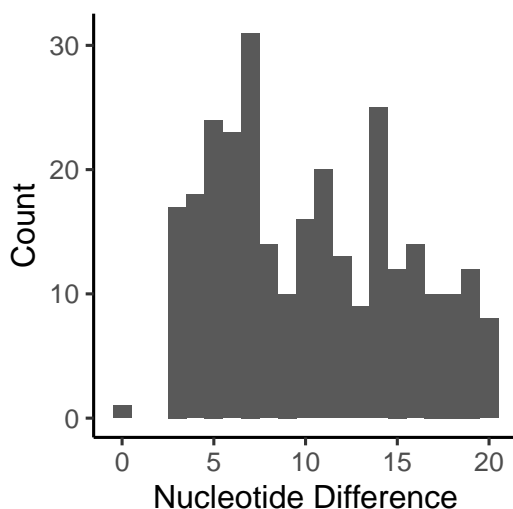
IGHV3-69-1*01

5 sequences assigned
No exact matches.



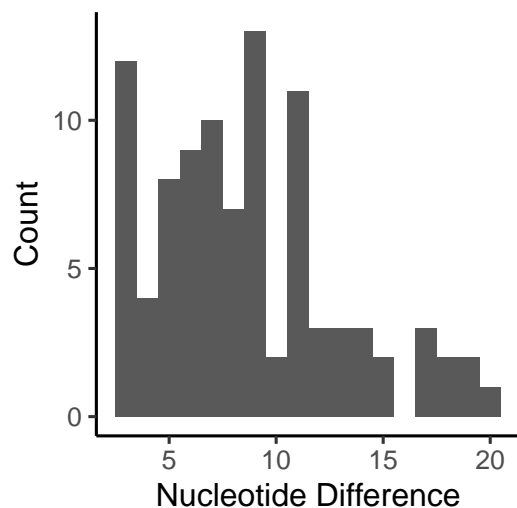
IGHV3-74*01_02

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



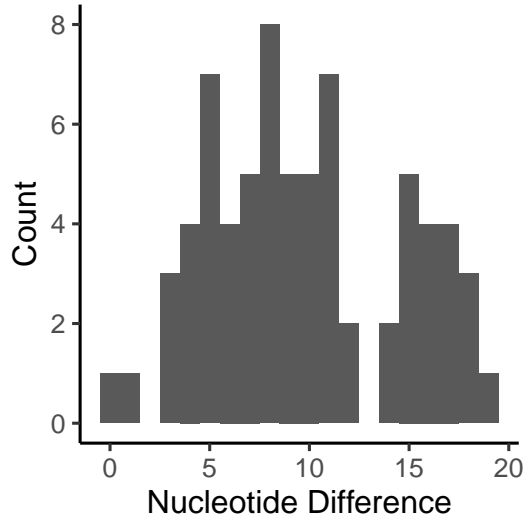
IGHV4-4*07

103 sequences assigned
No exact matches.



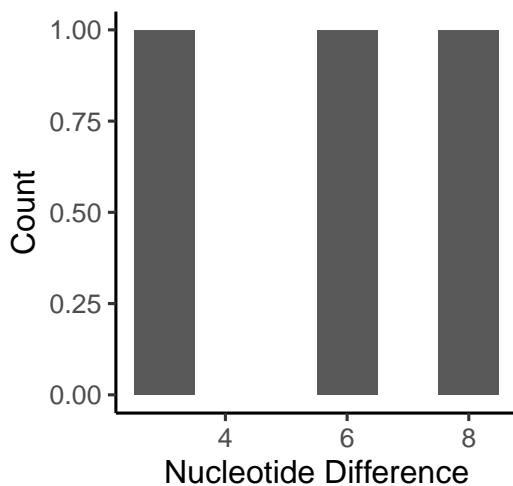
IGHV3-72*01

82 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



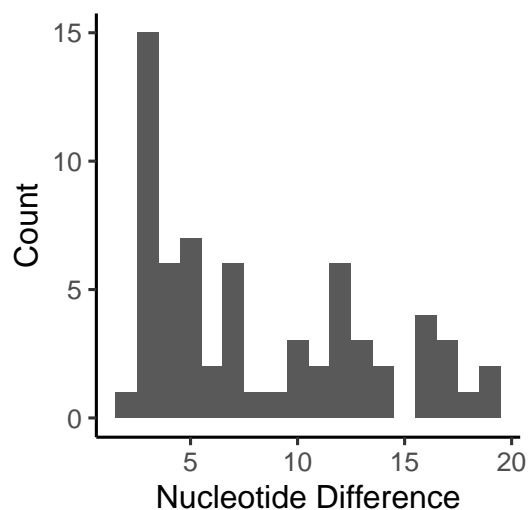
IGHV3-43D*03

4 sequences assigned
No exact matches.



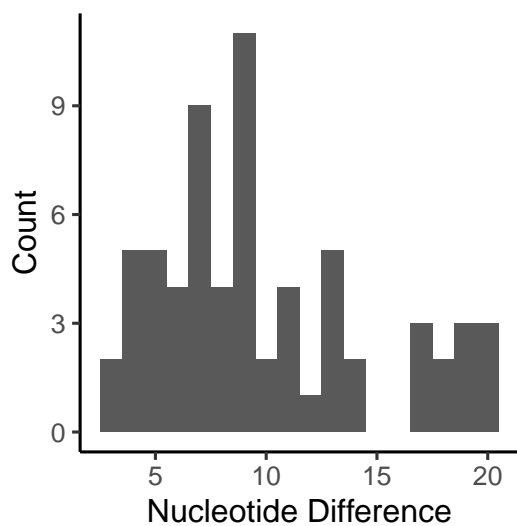
IGHV4-30-4*01

83 sequences assigned
No exact matches.



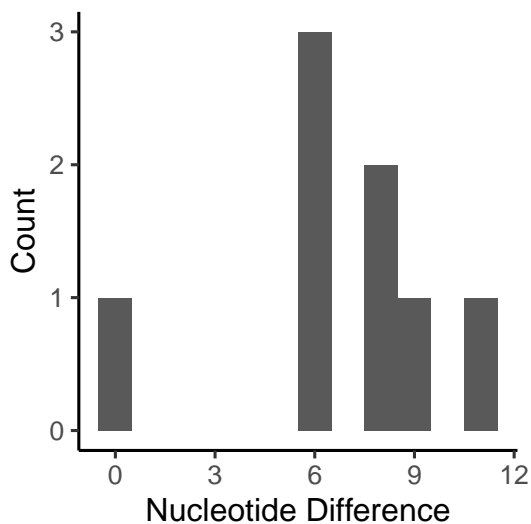
IGHV3-73*01_02

68 sequences assigned
No exact matches.



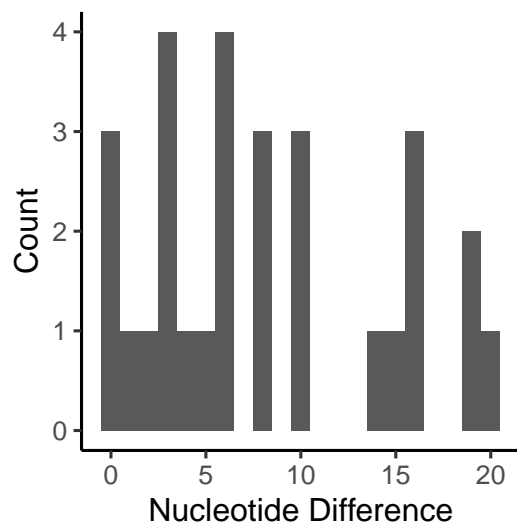
IGHV3-43D*04

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



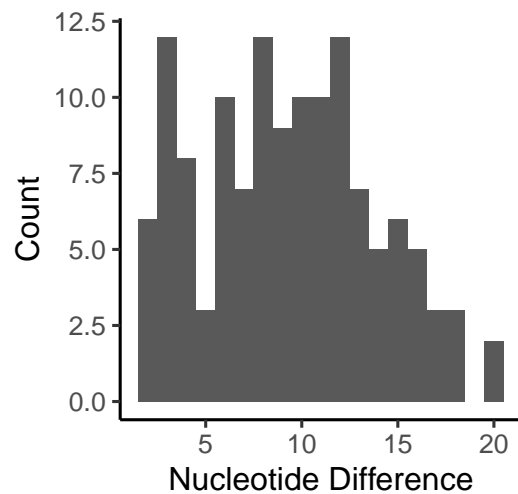
IGHV4-30-2*01

38 sequences assigned
3 (7.9%) exact matches, in which:
1 unique CDR3
1 unique J



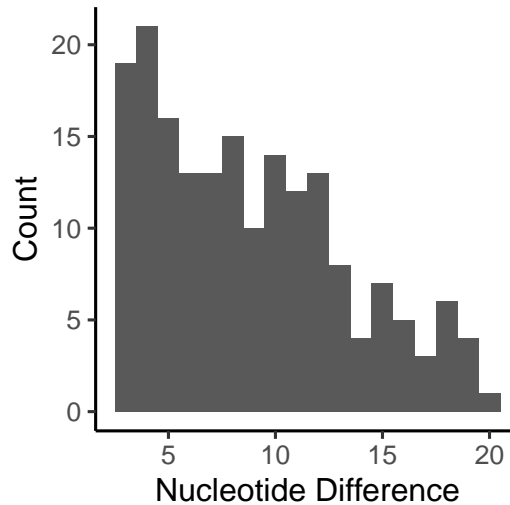
IGHV4-30-4*08

144 sequences assigned
No exact matches.



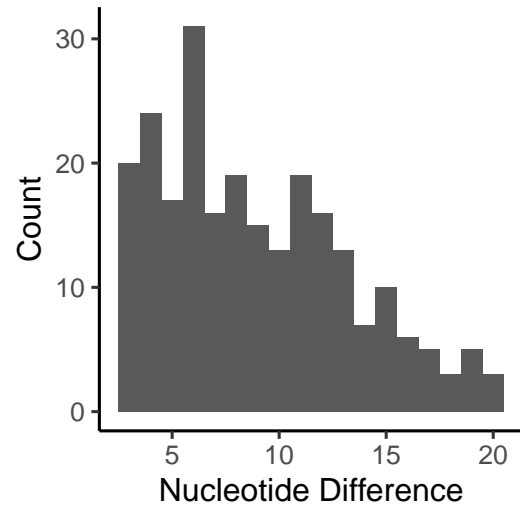
IGHV4-38-2*01

197 sequences assigned
No exact matches.



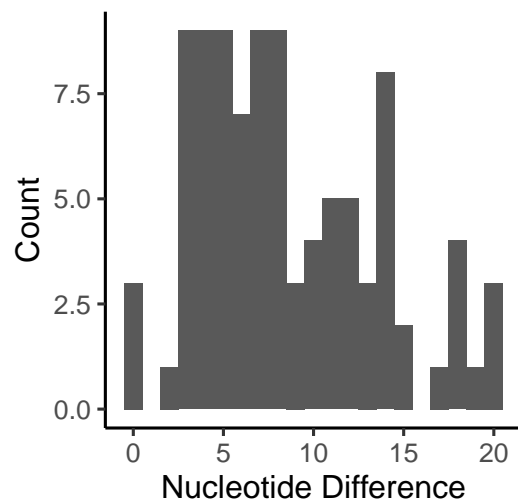
IGHV4-39*01_05

280 sequences assigned
No exact matches.



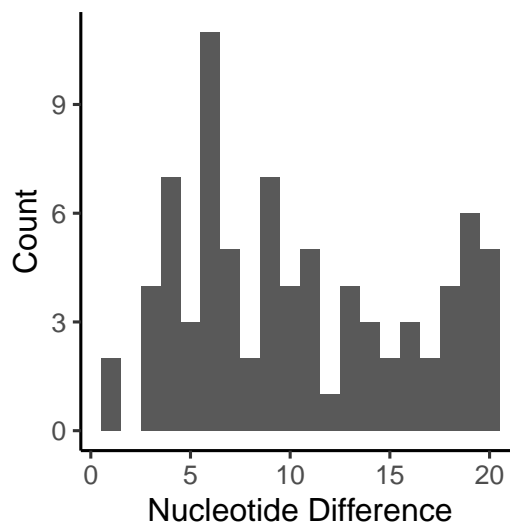
IGHV4-31*03_04

114 sequences assigned
3 (2.6%) exact matches, in which:
2 unique CDR3
1 unique J



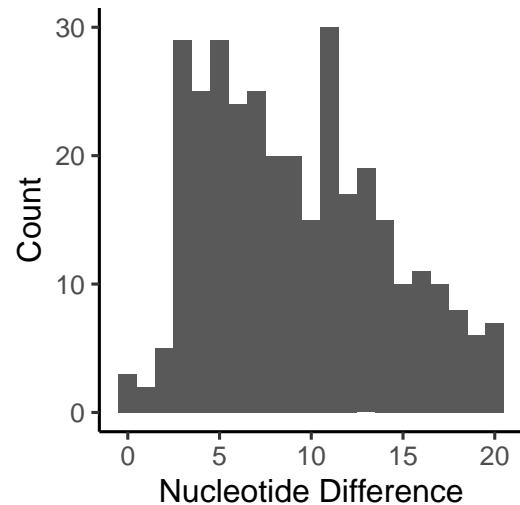
IGHV4-38-2*02

93 sequences assigned
No exact matches.



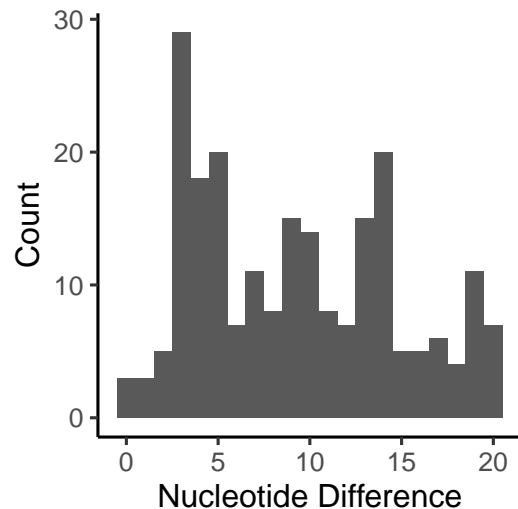
IGHV4-59*01_07

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



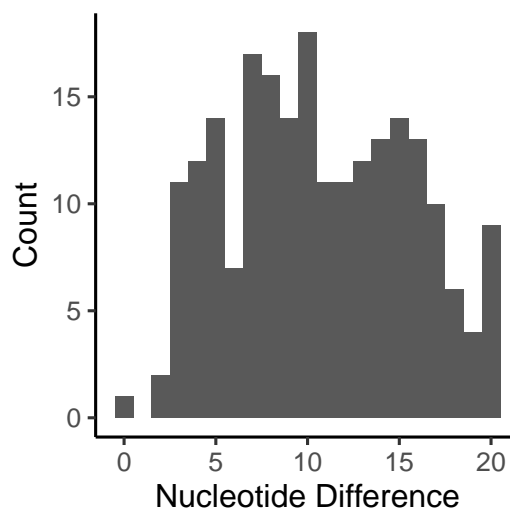
IGHV4-34*01_02

255 sequences assigned
3 (1.2%) exact matches, in which:
2 unique CDR3
2 unique J



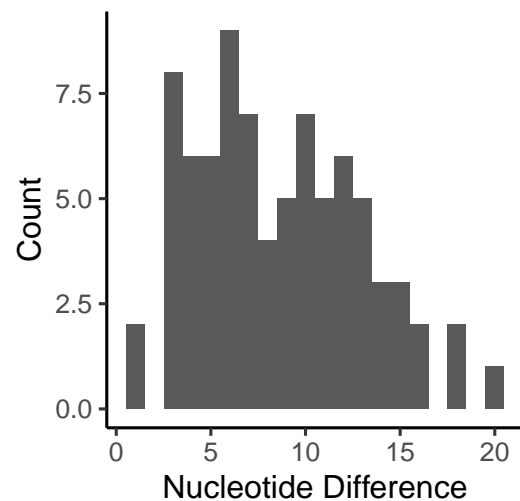
IGHV4-39*07

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



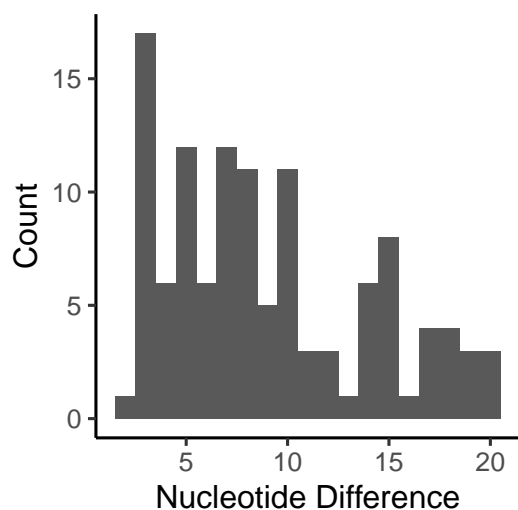
IGHV4-61*01

90 sequences assigned
No exact matches.



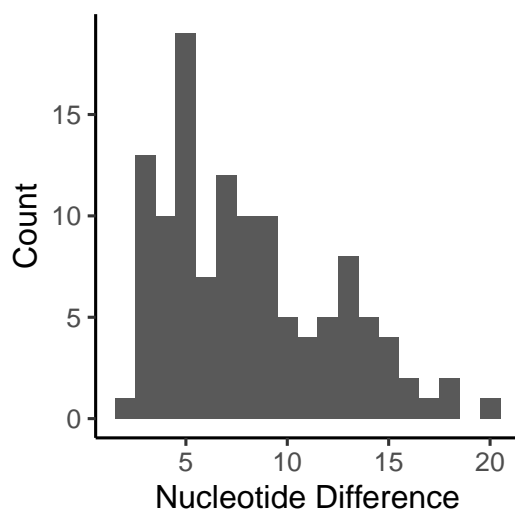
IGHV4-61*02

140 sequences assigned
No exact matches.



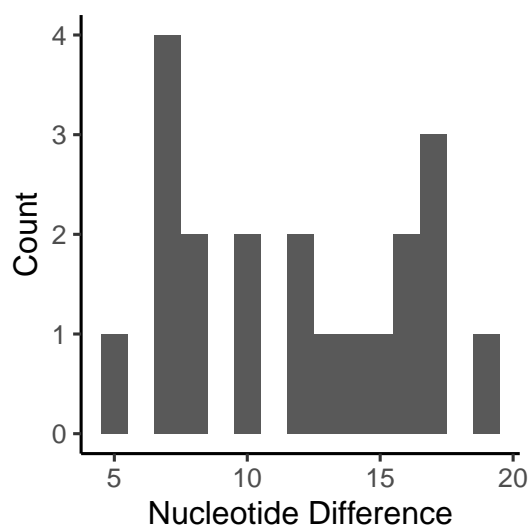
IGHV6-1*01_02

121 sequences assigned
No exact matches.



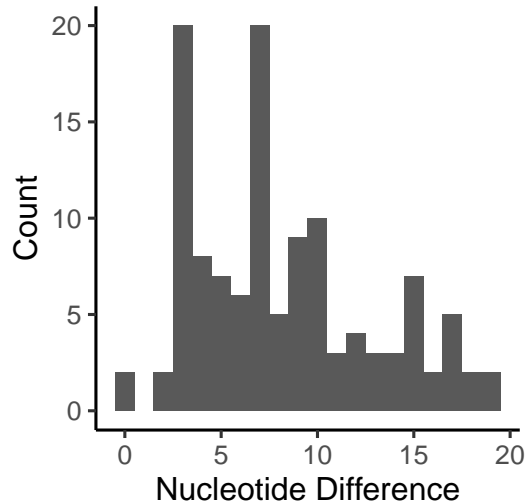
IGHV4-61*08

22 sequences assigned
No exact matches.

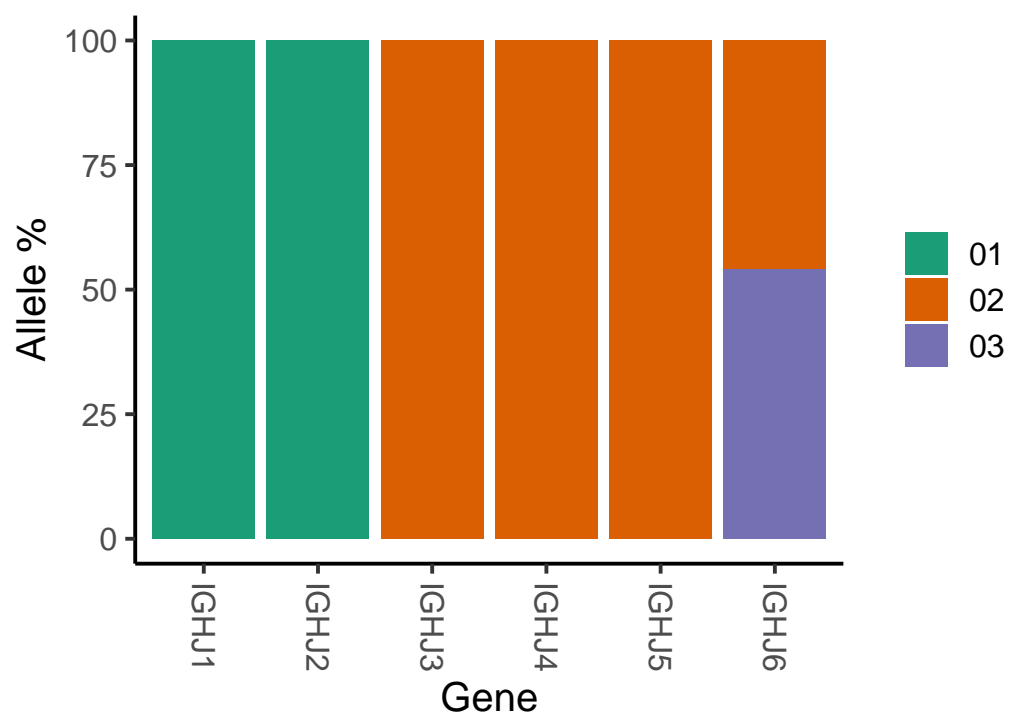


IGHV5-51*01_03

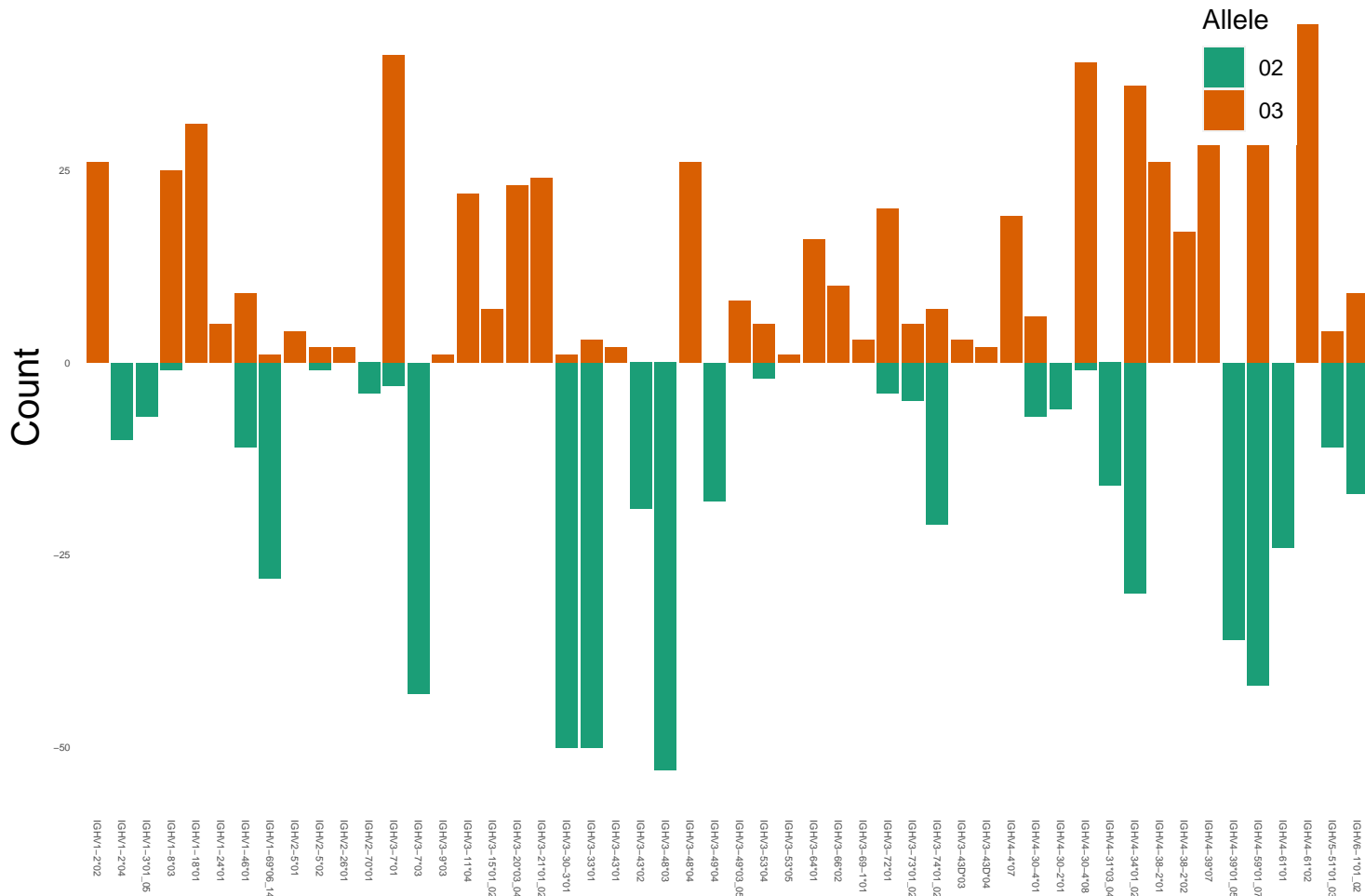
125 sequences assigned
2 (1.6%) exact matches, in which:
2 unique CDR3
1 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.