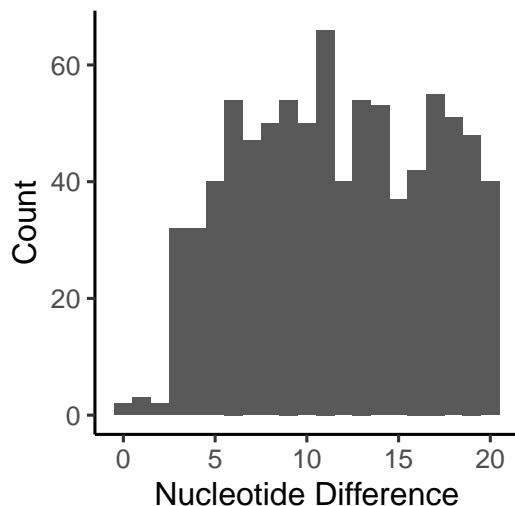


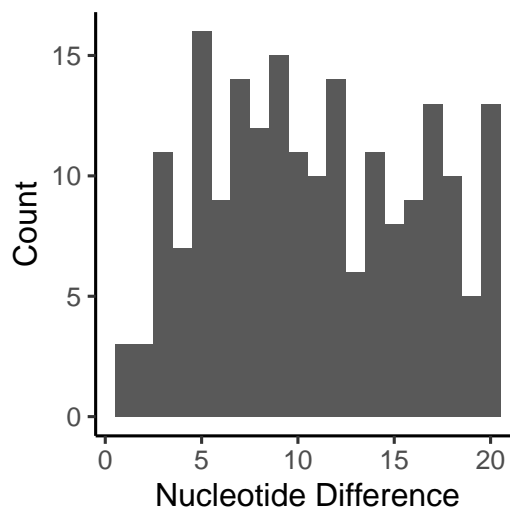
IGHV1-2*02

1101 sequences assigned
2 (0.2%) exact matches, in which:
2 unique CDR3
1 unique J



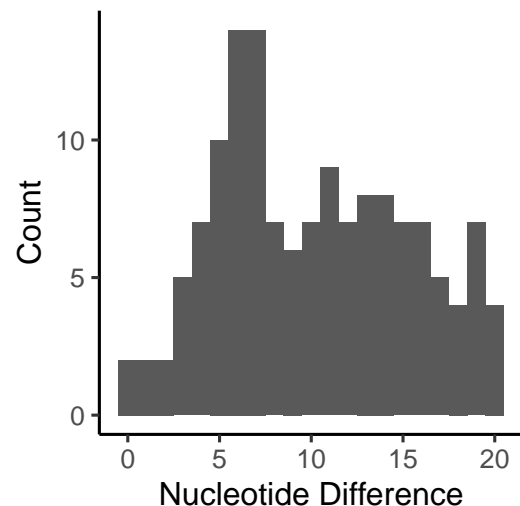
IGHV1-3*01_05

238 sequences assigned
No exact matches.



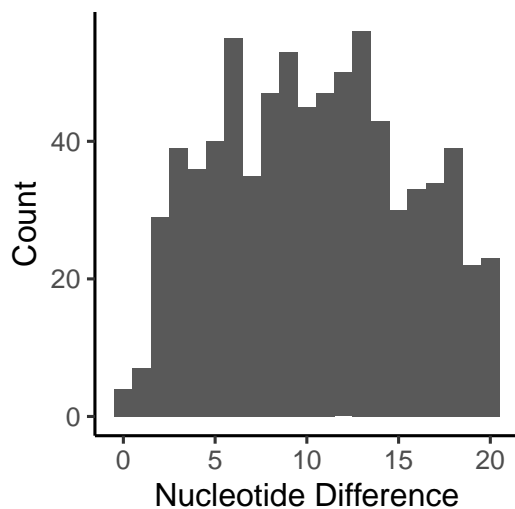
IGHV1-24*01

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



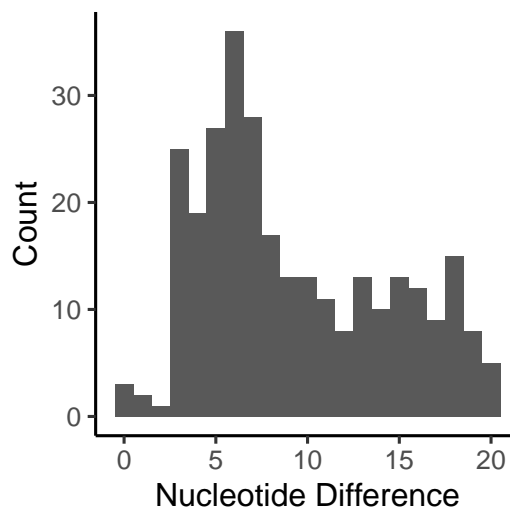
IGHV1-2*06

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



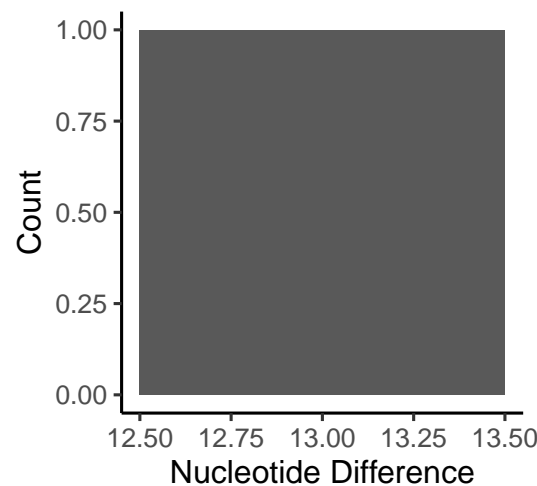
IGHV1-8*01

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



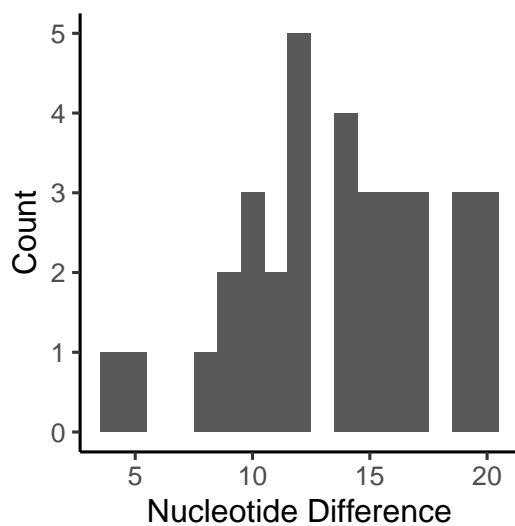
IGHV1-45*02

3 sequences assigned
No exact matches.



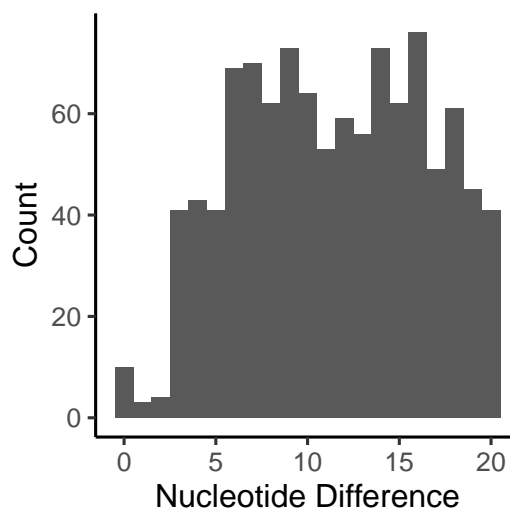
IGHV1-3*04

50 sequences assigned
No exact matches.



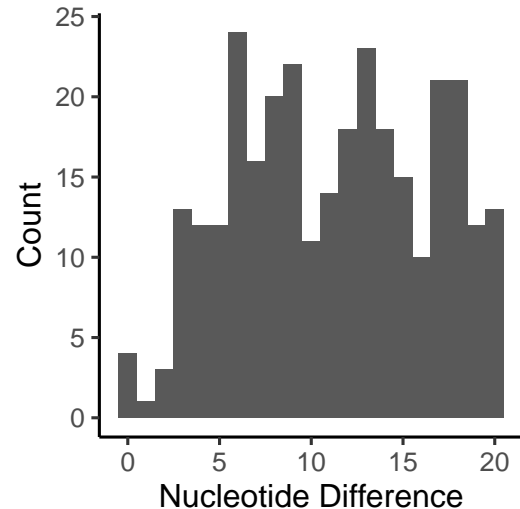
IGHV1-18*01

1436 sequences assigned
10 (0.7%) exact matches, in which:
10 unique CDR3
3 unique J



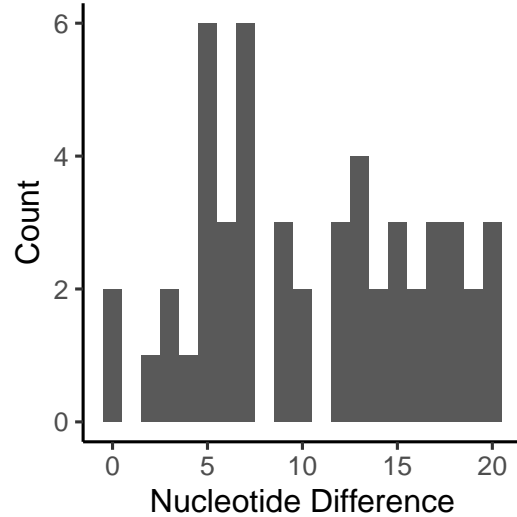
IGHV1-46*01

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



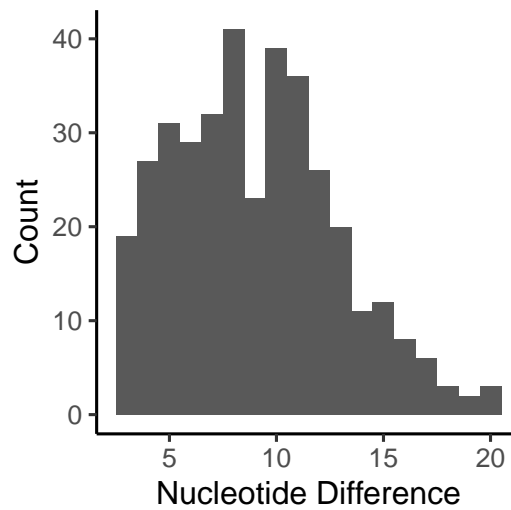
IGHV1-58*01_03

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



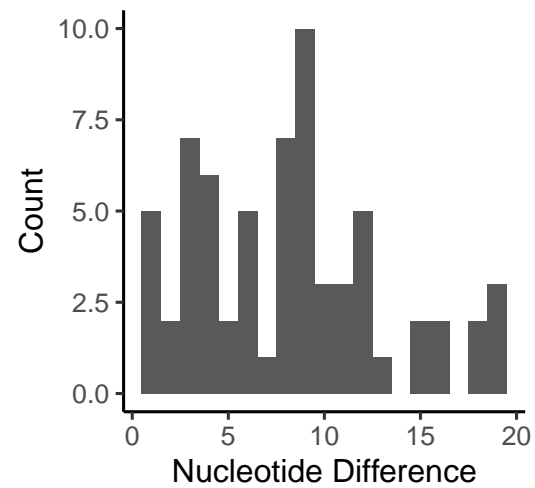
IGHV2-5*01

401 sequences assigned
No exact matches.



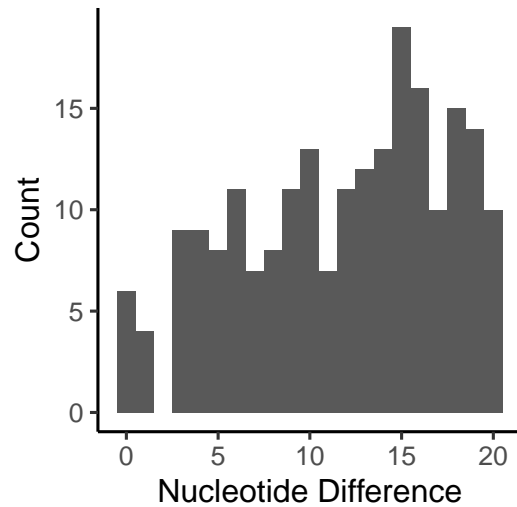
IGHV2-70*01

79 sequences assigned
No exact matches.



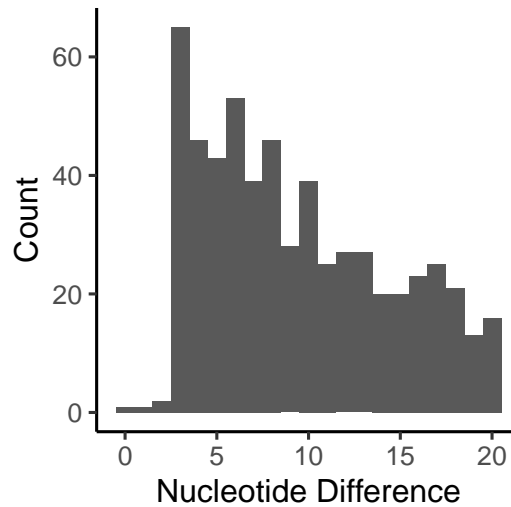
IGHV1-69*01_12_13

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



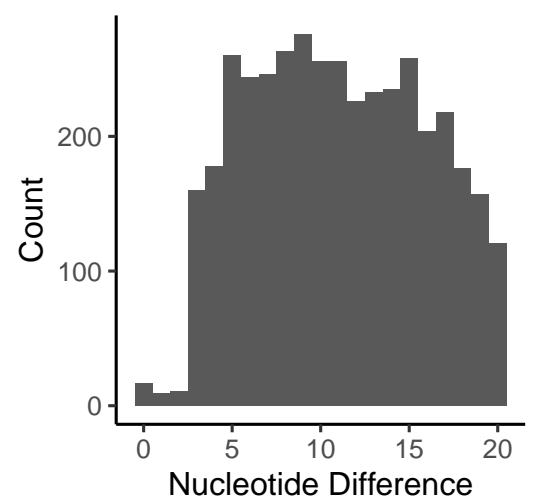
IGHV2-5*02

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



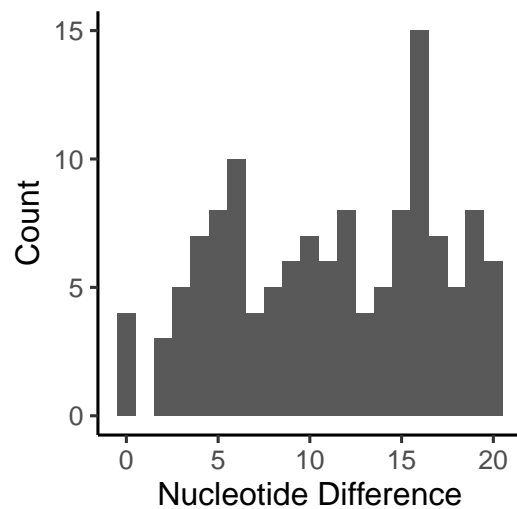
IGHV3-7*01

4654 sequences assigned
17 (0.4%) exact matches, in which:
12 unique CDR3
4 unique J



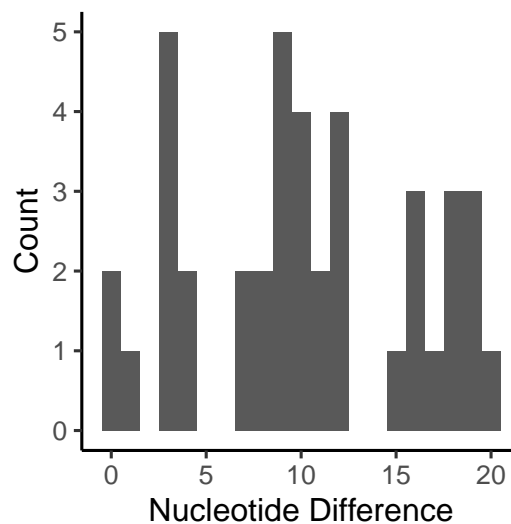
IGHV1-69*06_14

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



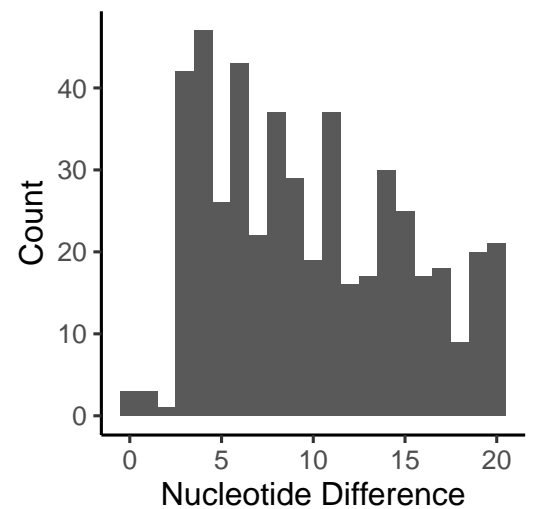
IGHV2-26*01

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



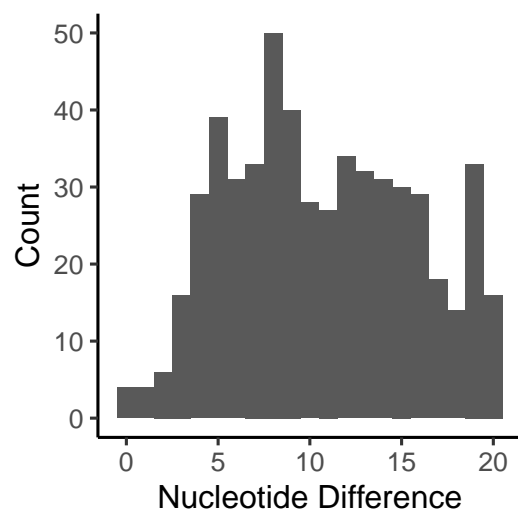
IGHV3-9*01

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



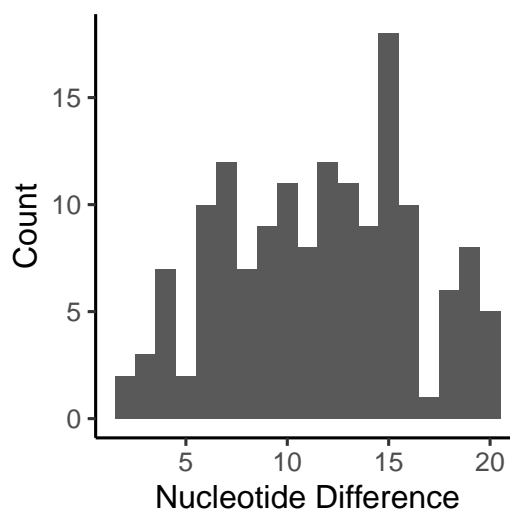
IGHV3-11*01

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



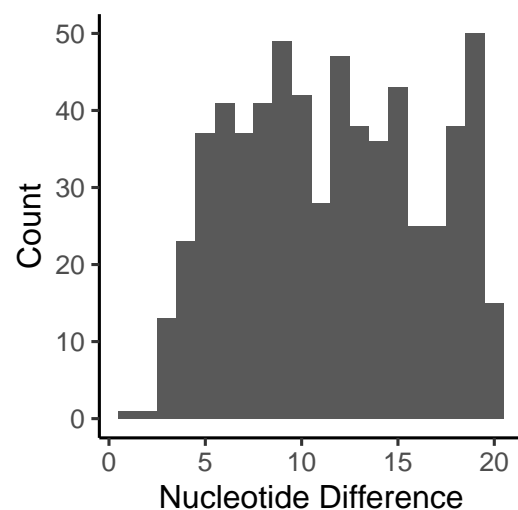
IGHV3-13*01

211 sequences assigned
No exact matches.



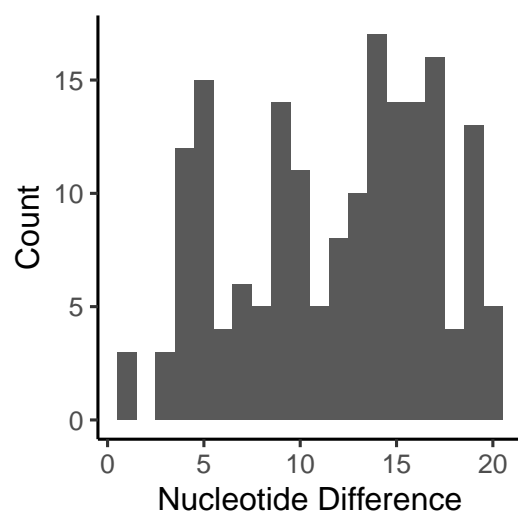
IGHV3-15*01_02

745 sequences assigned
No exact matches.



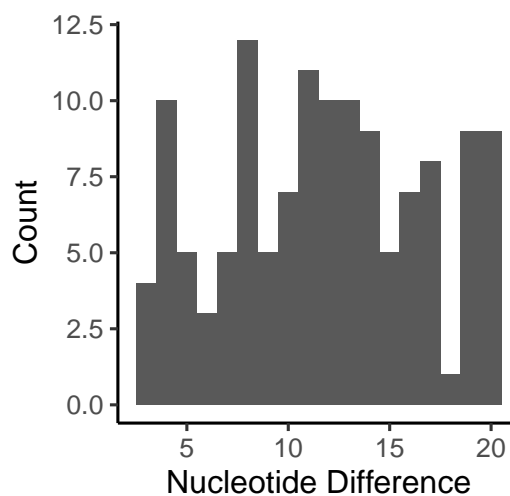
IGHV3-11*06

227 sequences assigned
No exact matches.



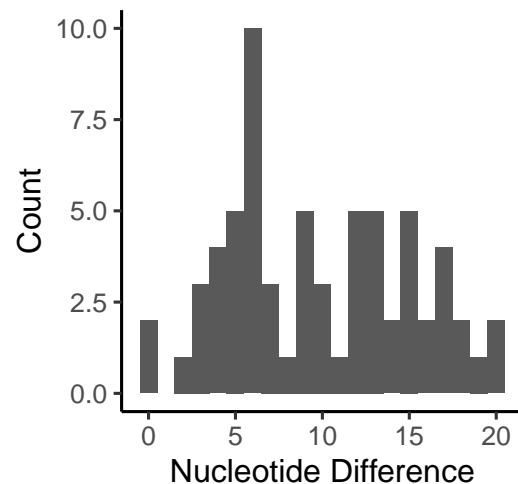
IGHV3-13*04

154 sequences assigned
No exact matches.



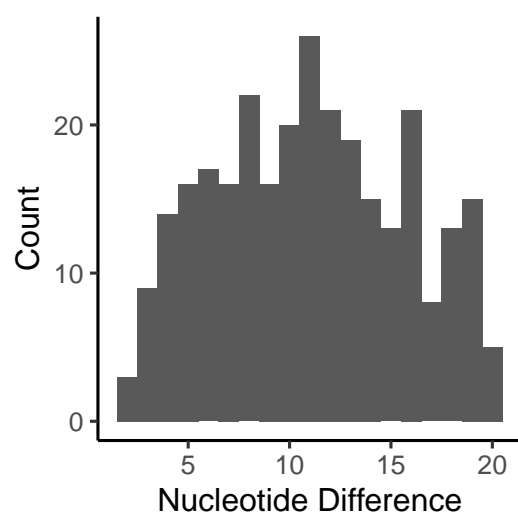
IGHV3-20*01_02

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



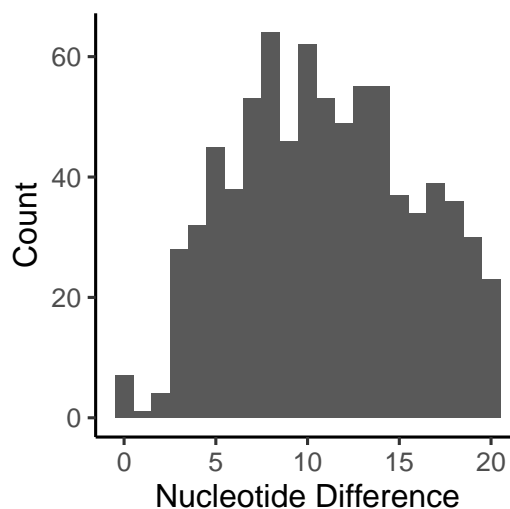
IGHV3-11*03_05

400 sequences assigned
No exact matches.



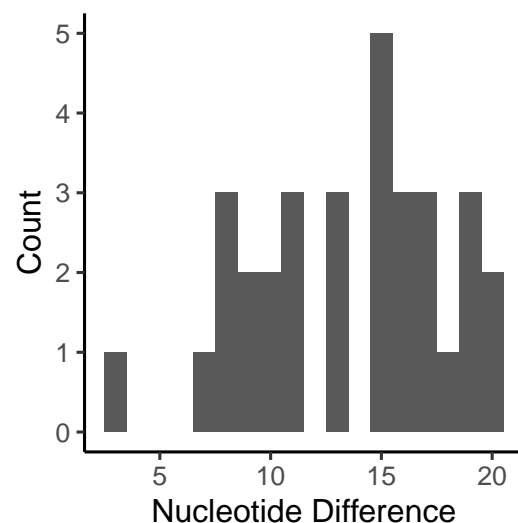
IGHV3-15*07

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



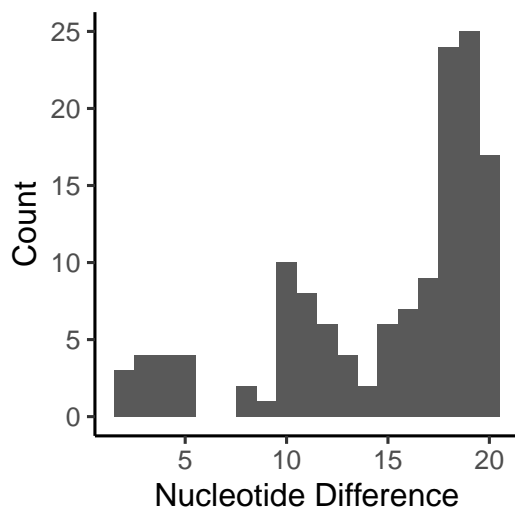
IGHV3-20*03_04

51 sequences assigned
No exact matches.



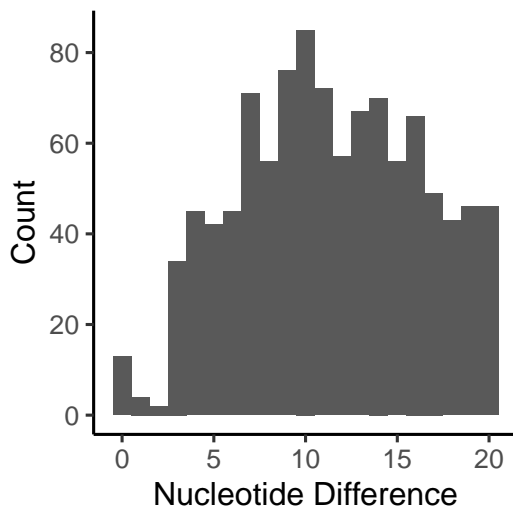
IGHV3-21*06

233 sequences assigned
No exact matches.



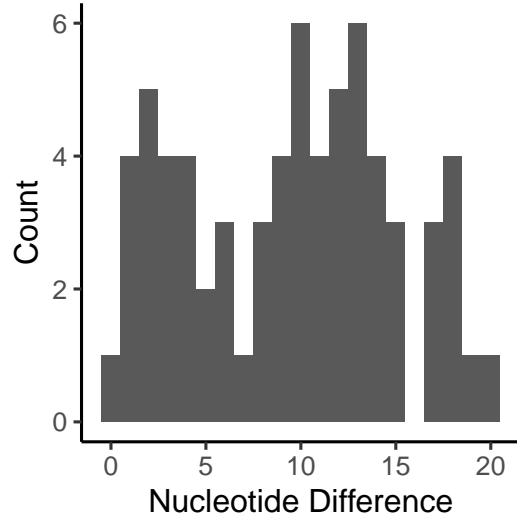
IGHV3-30-3*01

1363 sequences assigned
13 (1%) exact matches, in which:
8 unique CDR3
3 unique J



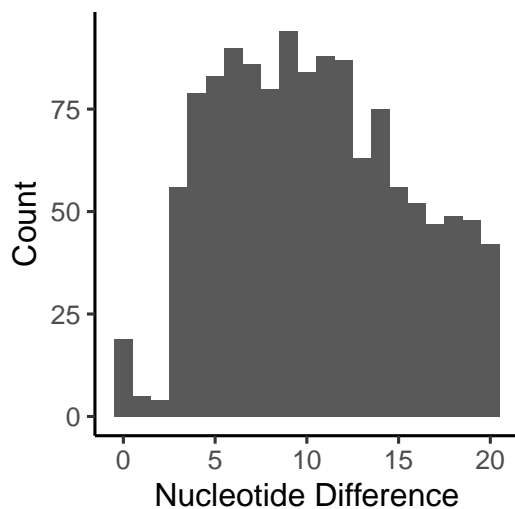
IGHV3-43*01

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



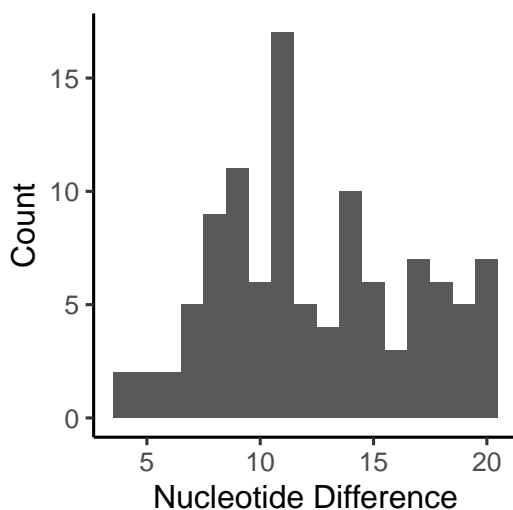
IGHV3-21*01_02

1602 sequences assigned
19 (1.2%) exact matches, in which:
9 unique CDR3
3 unique J



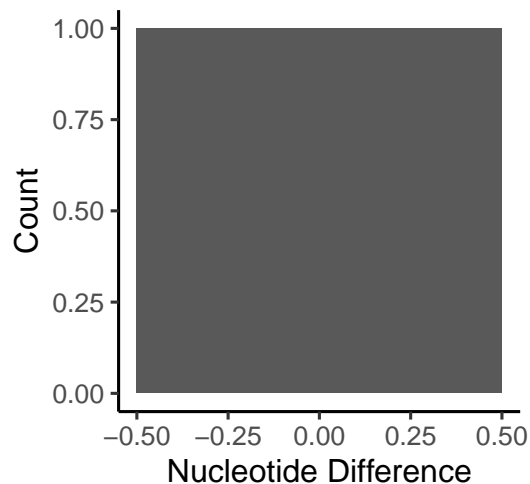
IGHV3-30*04

198 sequences assigned
No exact matches.



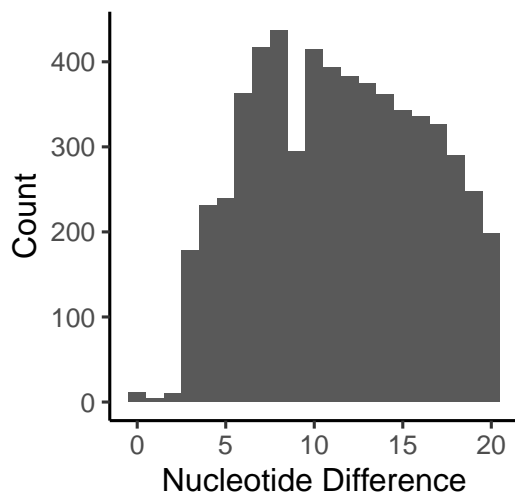
IGHV3-47*02

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



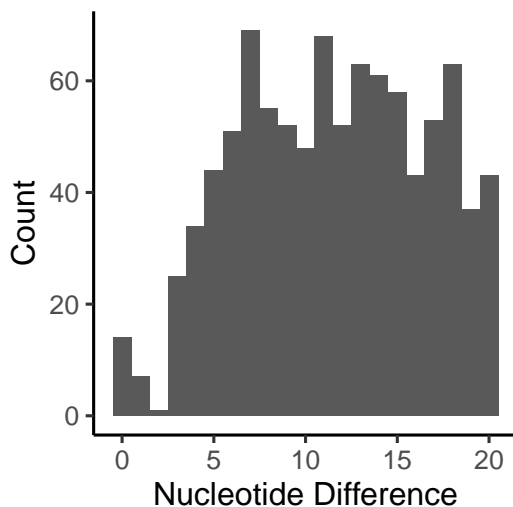
IGHV3-23*01_04

7403 sequences assigned
11 (0.1%) exact matches, in which:
7 unique CDR3
3 unique J



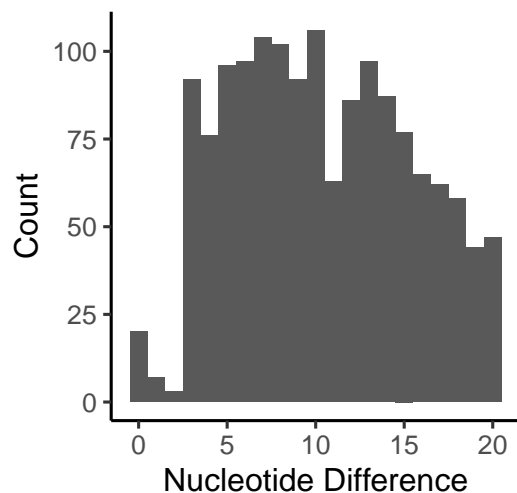
IGHV3-33*01

1257 sequences assigned
14 (1.1%) exact matches, in which:
9 unique CDR3
2 unique J



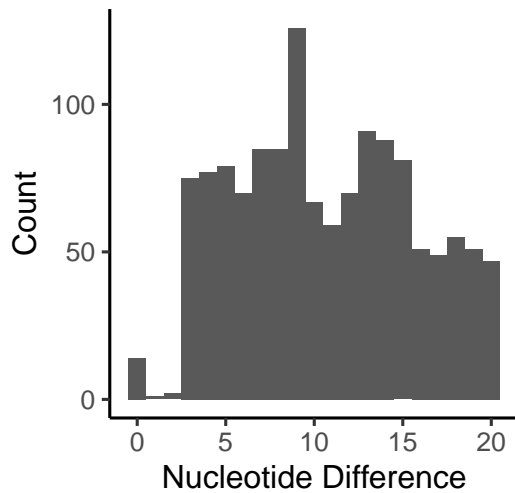
IGHV3-48*02

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



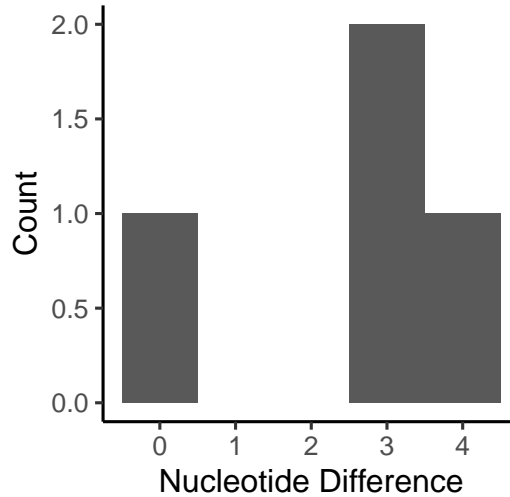
IGHV3-48*03

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



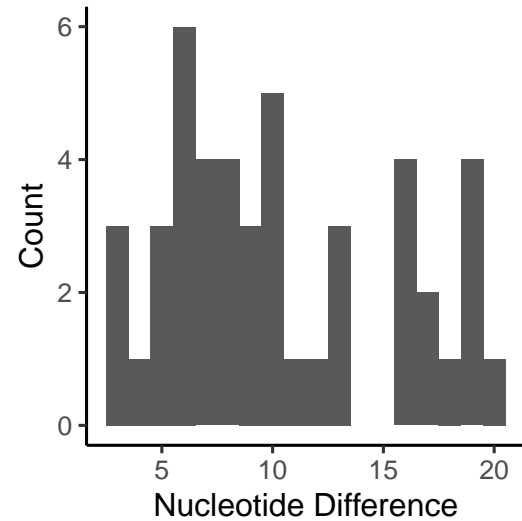
IGHV3-52*01_03

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



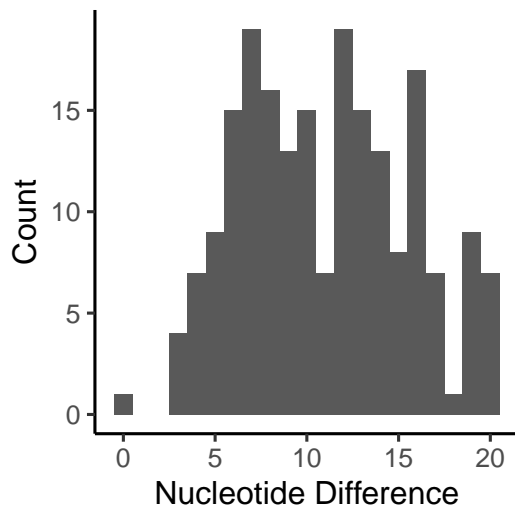
IGHV3-64*02_07

51 sequences assigned
No exact matches.



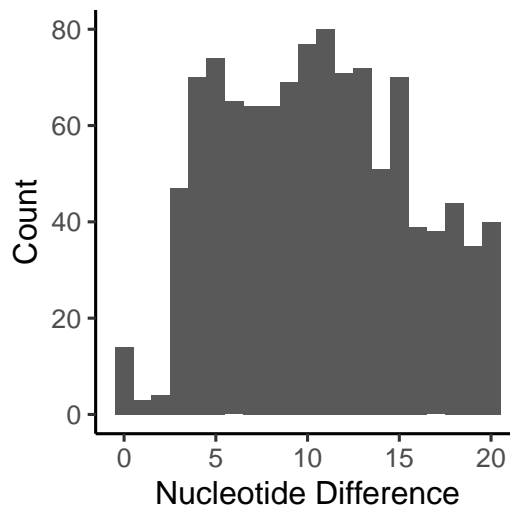
IGHV3-49*04

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



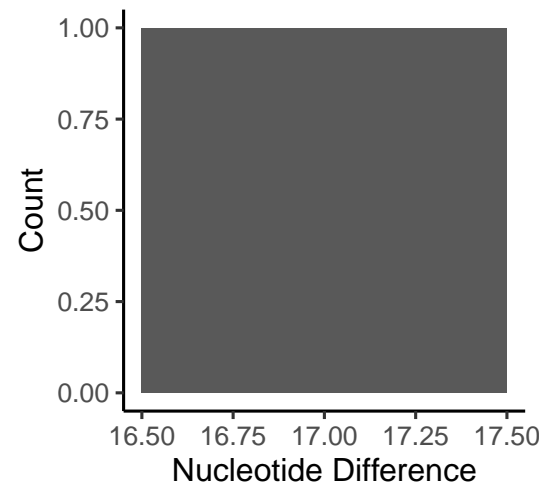
IGHV3-53*01_02

1280 sequences assigned
14 (1.1%) exact matches, in which:
8 unique CDR3
2 unique J



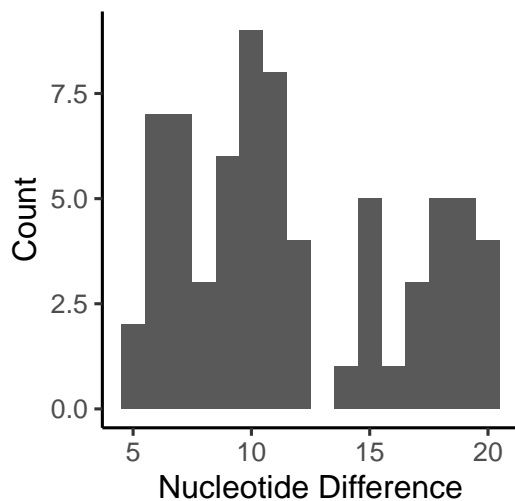
IGHV3-66*01

1 sequences assigned
No exact matches.



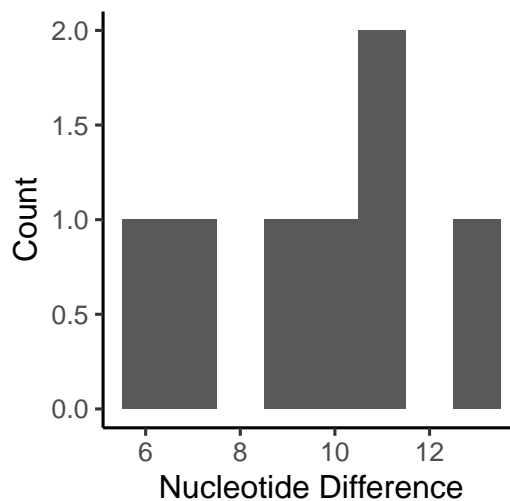
IGHV3-49*03_05

85 sequences assigned
No exact matches.



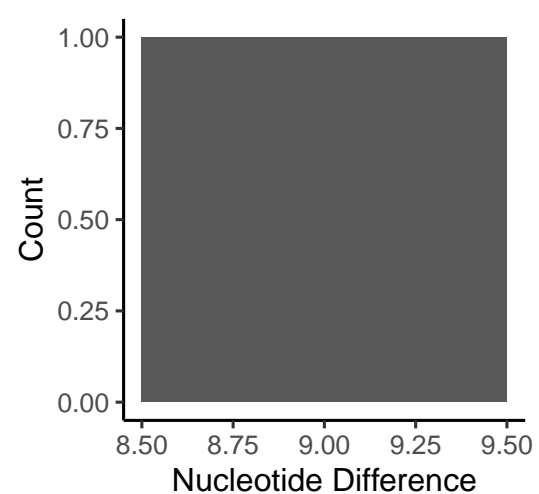
IGHV3-64*05

8 sequences assigned
No exact matches.



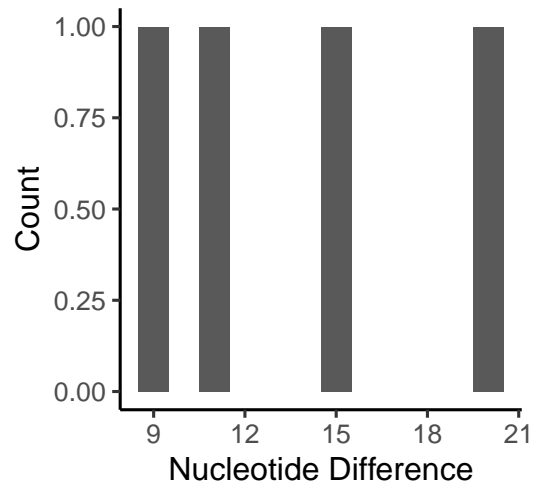
IGHV3-66*03

2 sequences assigned
No exact matches.



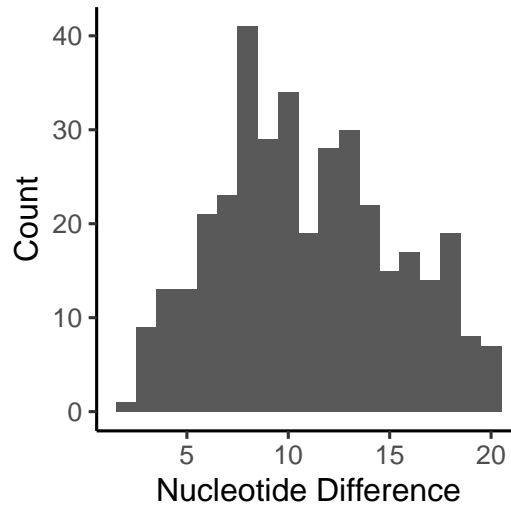
IGHV3-66*04

4 sequences assigned
No exact matches.



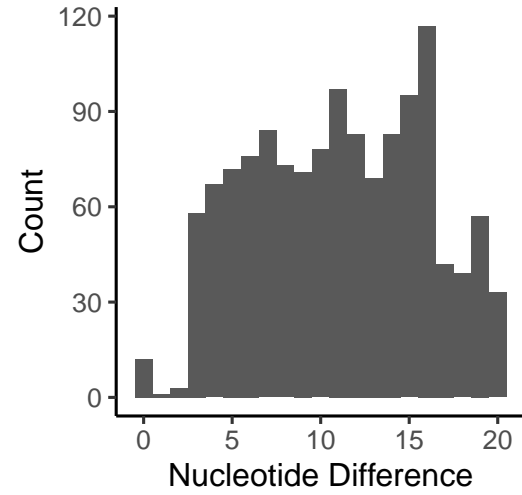
IGHV3-72*01

413 sequences assigned
No exact matches.



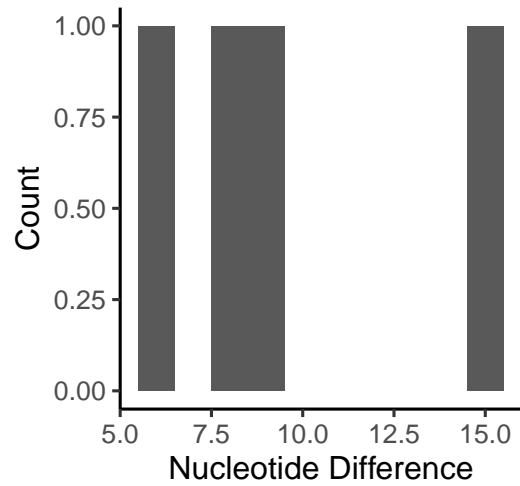
IGHV3-74*01_02

1619 sequences assigned
12 (0.7%) exact matches, in which:
6 unique CDR3
4 unique J



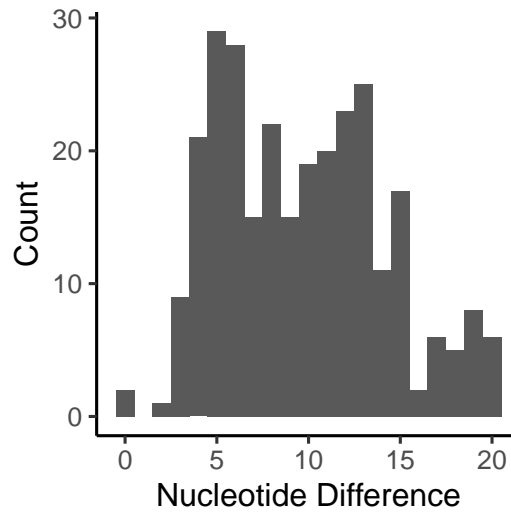
IGHV3-69-1*01

17 sequences assigned
No exact matches.



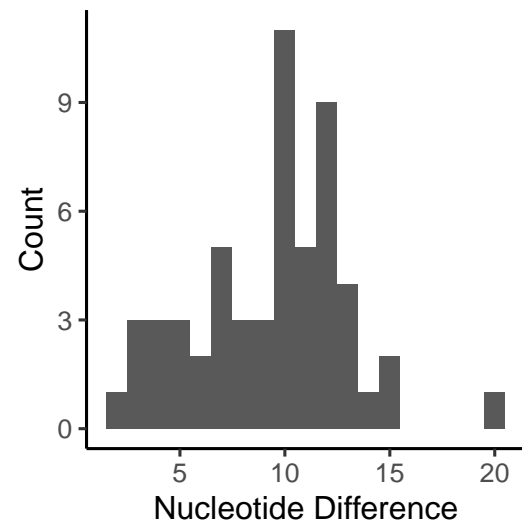
IGHV3-73*01_02

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



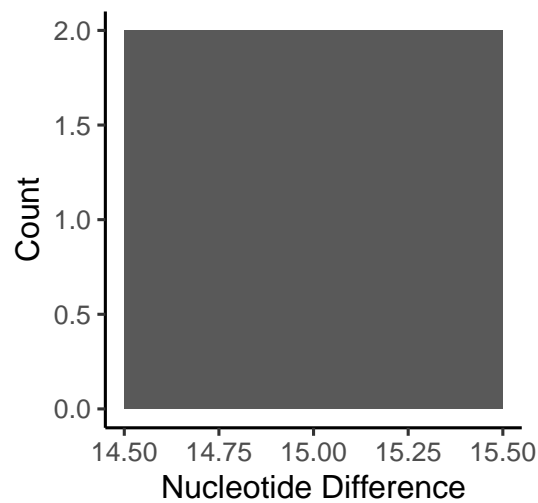
IGHV3-43D*04

68 sequences assigned
No exact matches.



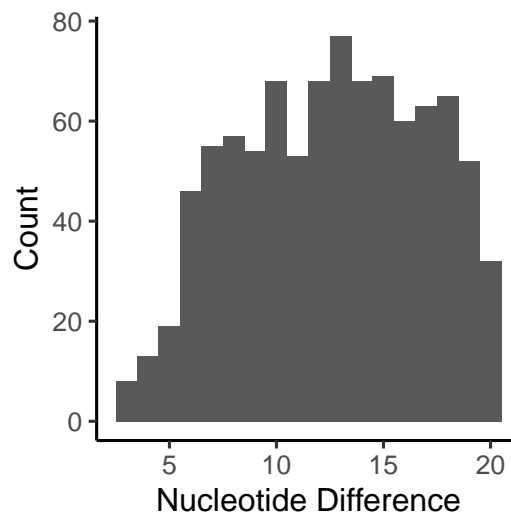
IGHV3-69-1*02

7 sequences assigned
No exact matches.



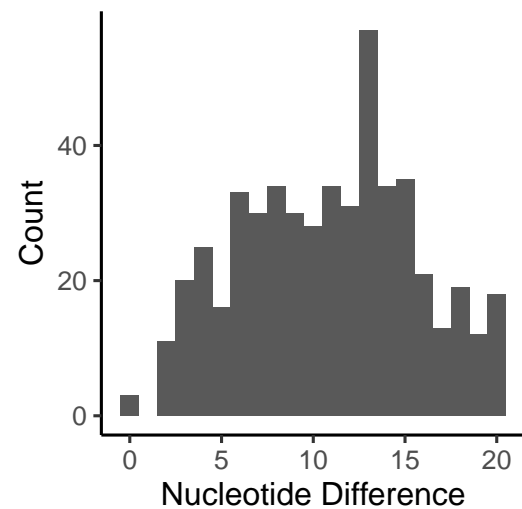
IGHV3-74*03

1142 sequences assigned
No exact matches.



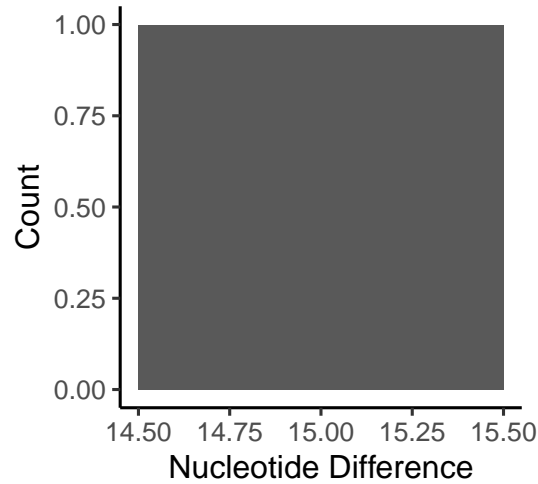
IGHV3-64D*09

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



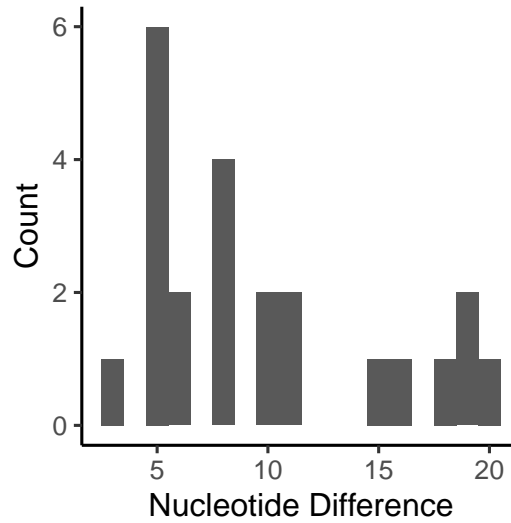
IGHV3–NL1*01

4 sequences assigned
No exact matches.



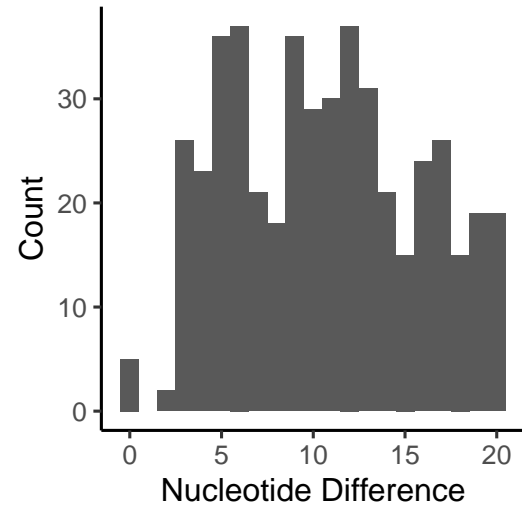
IGHV4–28*01_07

26 sequences assigned
No exact matches.



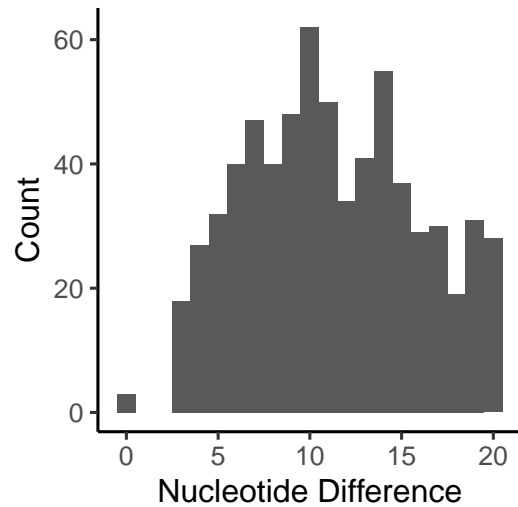
IGHV4–31*02

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



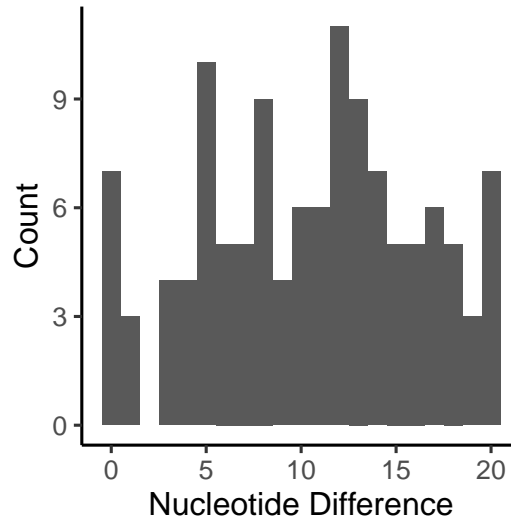
IGHV4–4*07

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



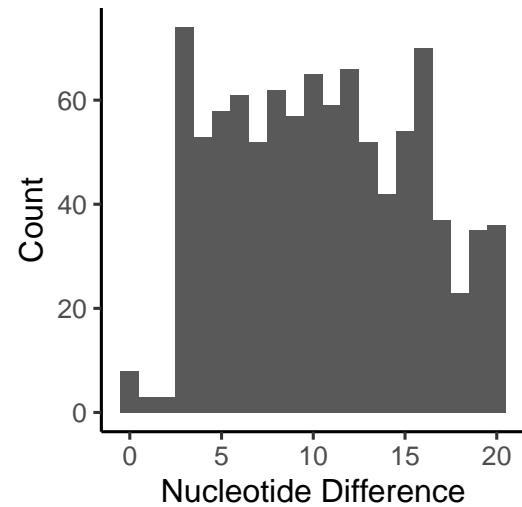
IGHV4–30–2*01

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



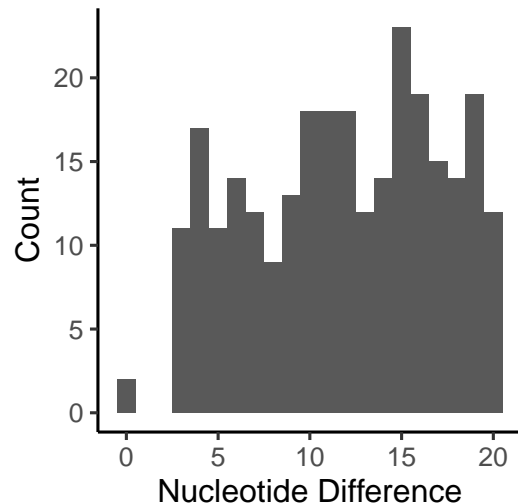
IGHV4–34*01_02

1299 sequences assigned
8 (0.6%) exact matches, in which:
5 unique CDR3
4 unique J



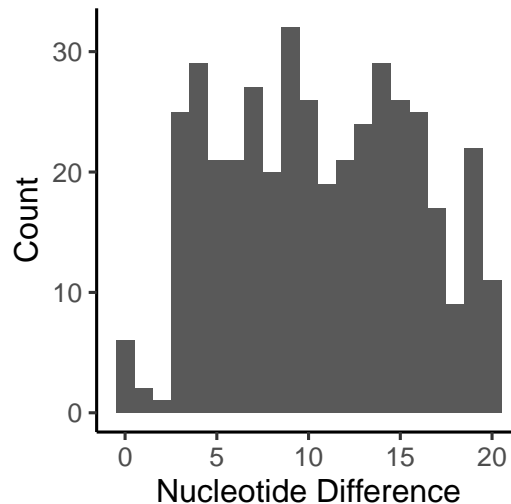
IGHV4–4*02_03

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



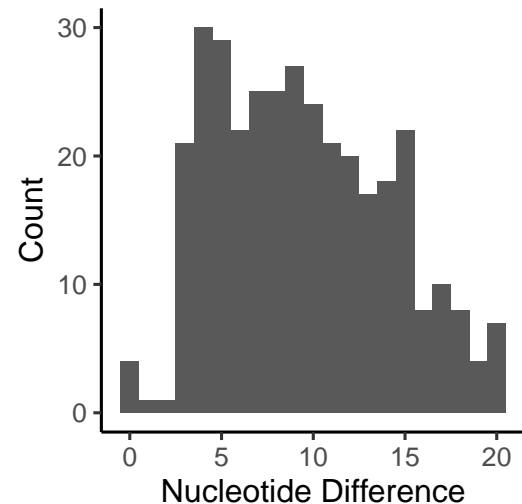
IGHV4–30–4*01

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



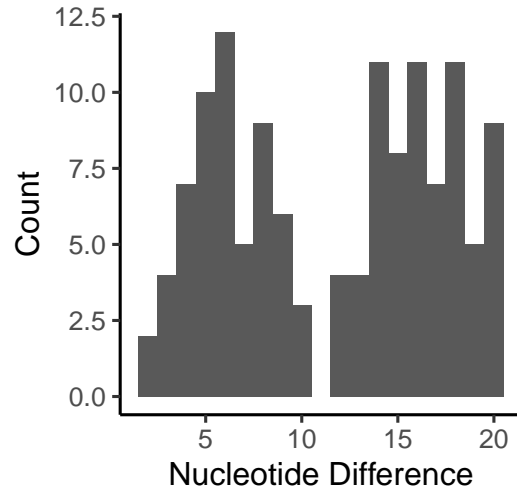
IGHV4–38–2*01

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



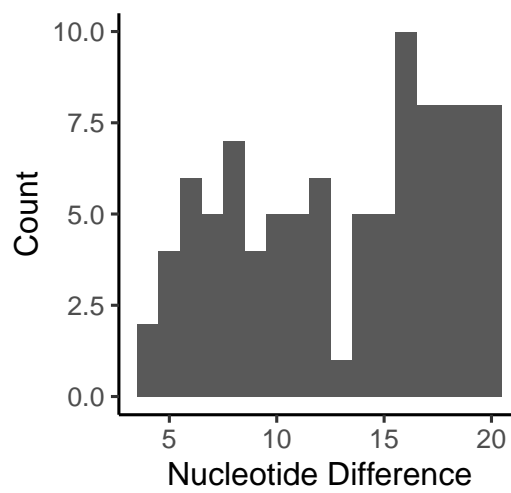
IGHV4-38-2*02

179 sequences assigned
No exact matches.



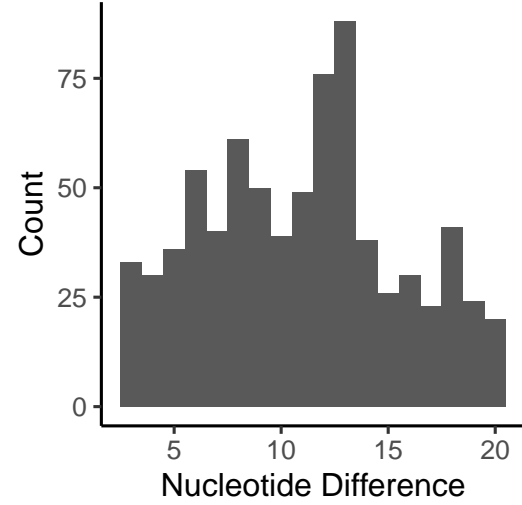
IGHV4-59*02

152 sequences assigned
No exact matches.



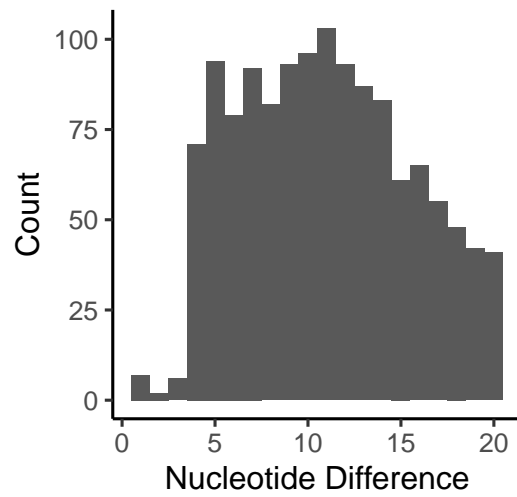
IGHV4-61*01

911 sequences assigned
No exact matches.



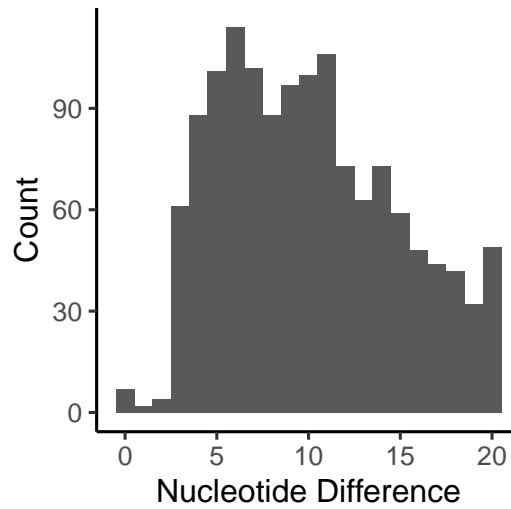
IGHV4-39*02

1646 sequences assigned
No exact matches.



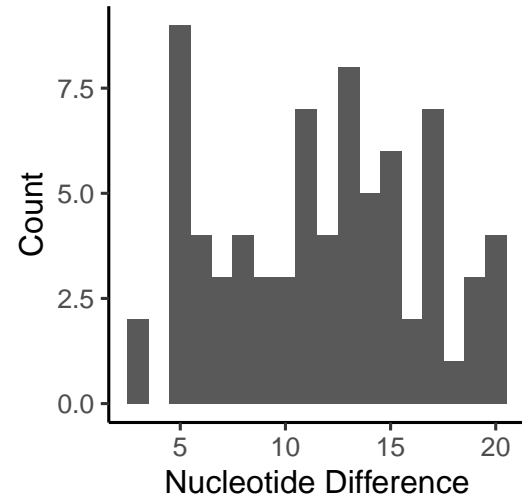
IGHV4-59*01_07

1610 sequences assigned
7 (0.4%) exact matches, in which:
7 unique CDR3
4 unique J



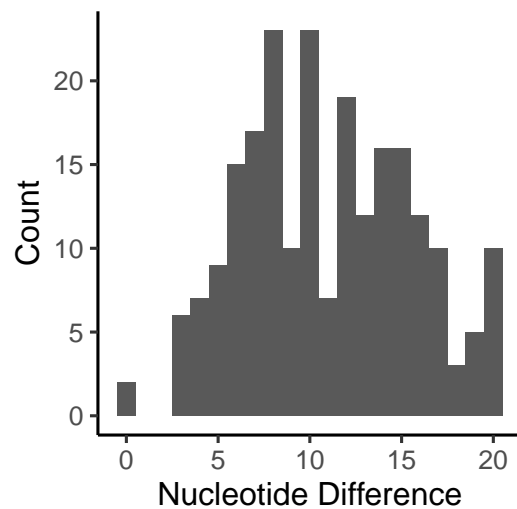
IGHV4-61*08

152 sequences assigned
No exact matches.



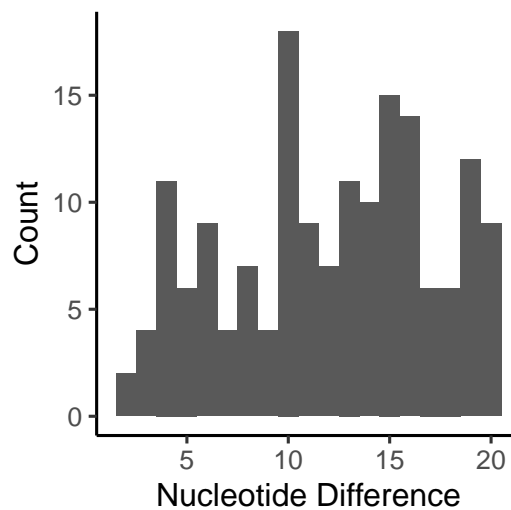
IGHV4-39*01_05

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



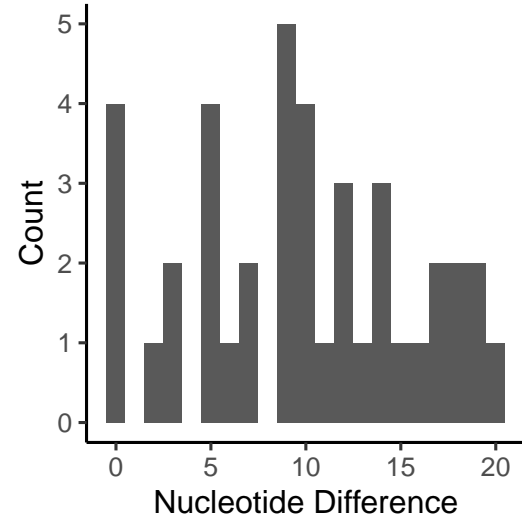
IGHV4-59*11

240 sequences assigned
No exact matches.



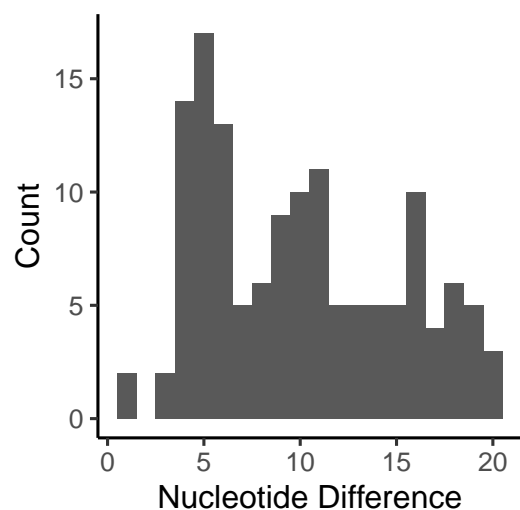
IGHV5-10-1*01_03

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



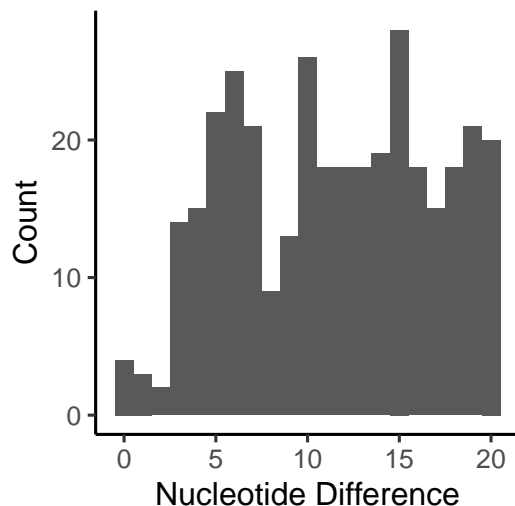
IGHV5-51*07

173 sequences assigned
No exact matches.



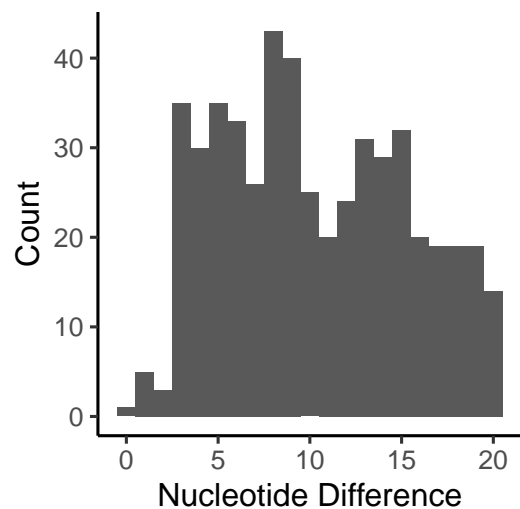
IGHV7-4-1*02

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



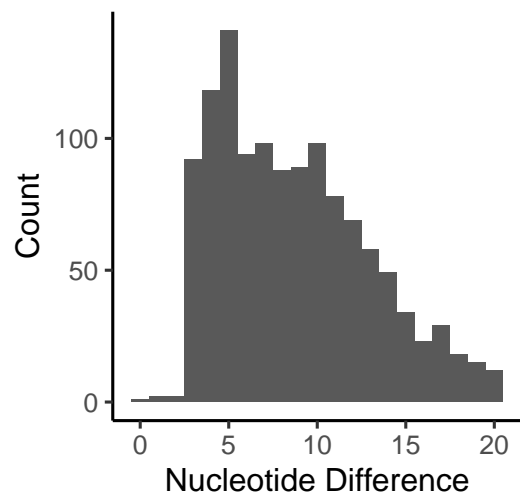
IGHV5-51*01_03

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



IGHV6-1*01_02

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





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