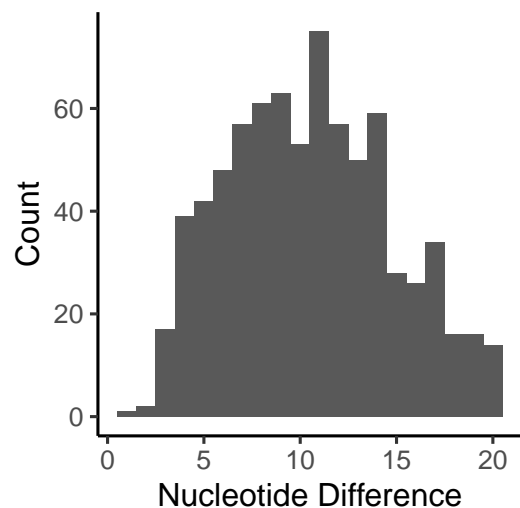


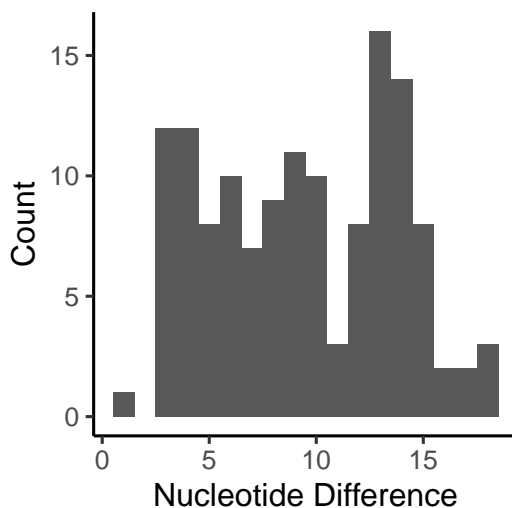
IGHV1-2*02

839 sequences assigned
No exact matches.



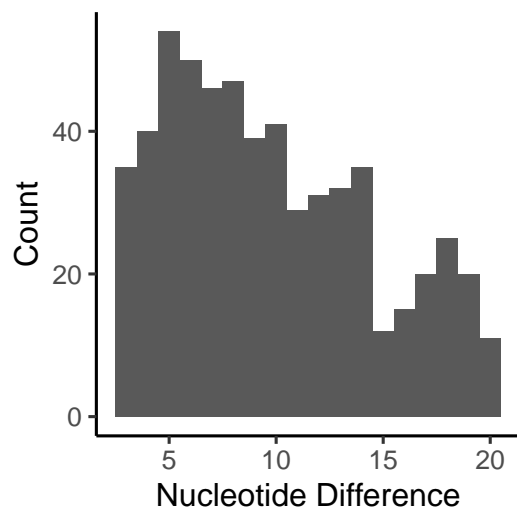
IGHV1-8*01

153 sequences assigned
No exact matches.



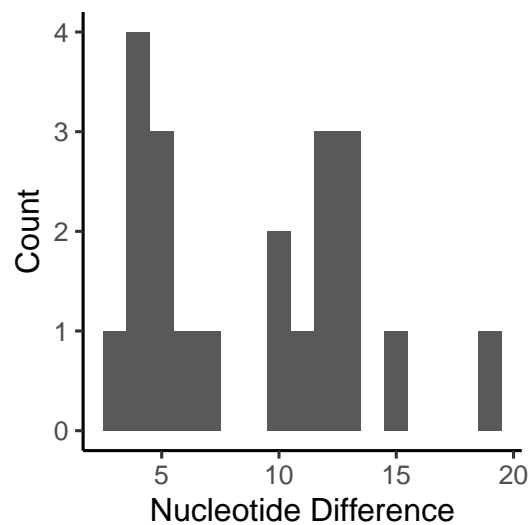
IGHV1-46*01

670 sequences assigned
No exact matches.



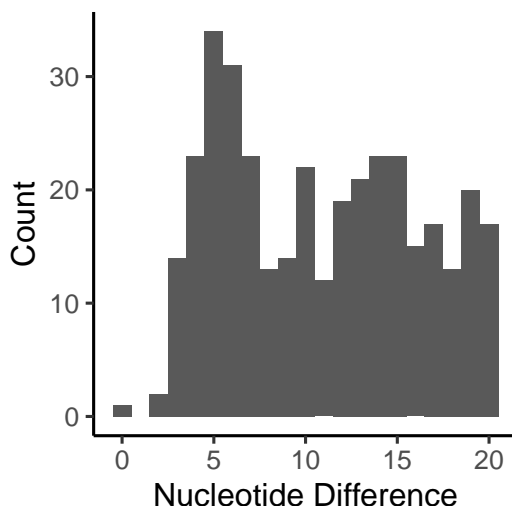
IGHV1-3*04

29 sequences assigned
No exact matches.



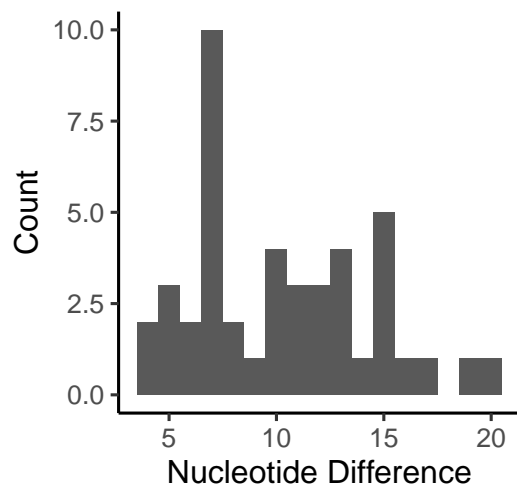
IGHV1-18*01

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



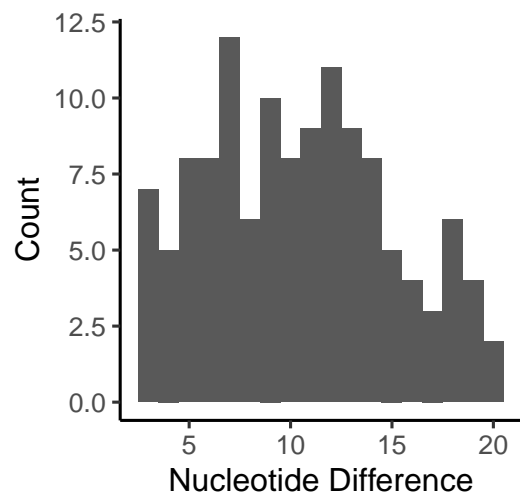
IGHV1-58*01_03

48 sequences assigned
No exact matches.



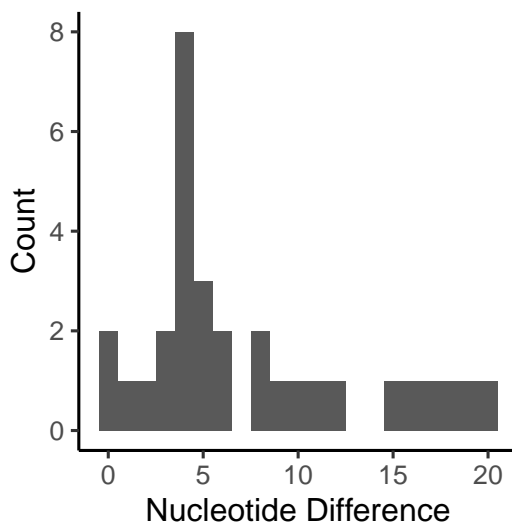
IGHV1-3*01_05

159 sequences assigned
No exact matches.



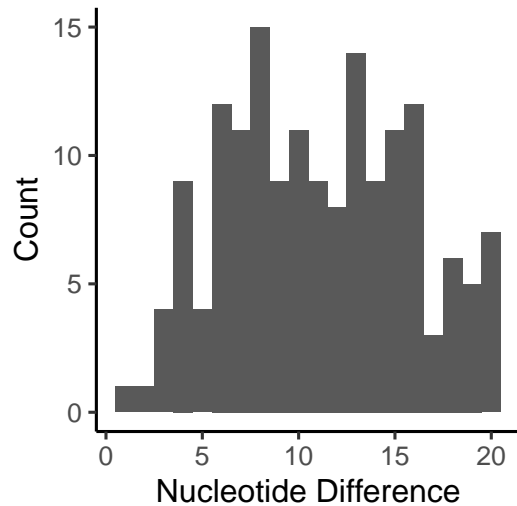
IGHV1-24*01

47 sequences assigned
2 (4.3%) exact matches, in which:
2 unique CDR3
1 unique J



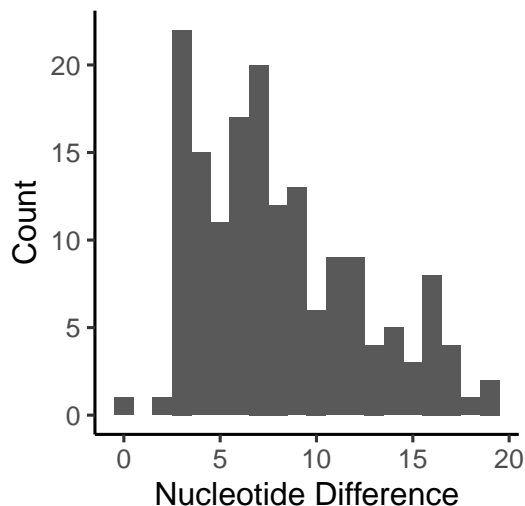
IGHV1-69*04_09

216 sequences assigned
No exact matches.



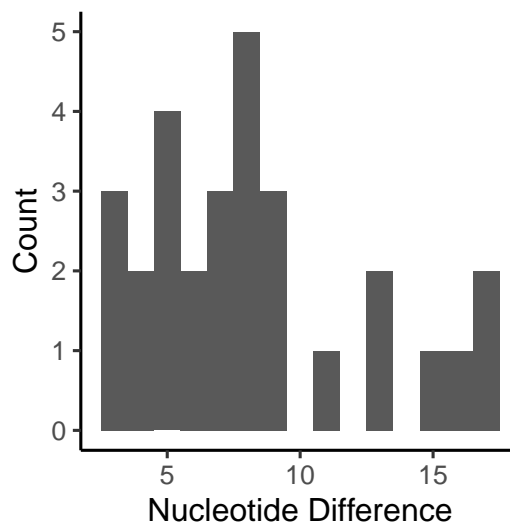
IGHV2-5*01

174 sequences assigned
1 (0.6%) exact matches, in which:
1 unique CDR3
1 unique J



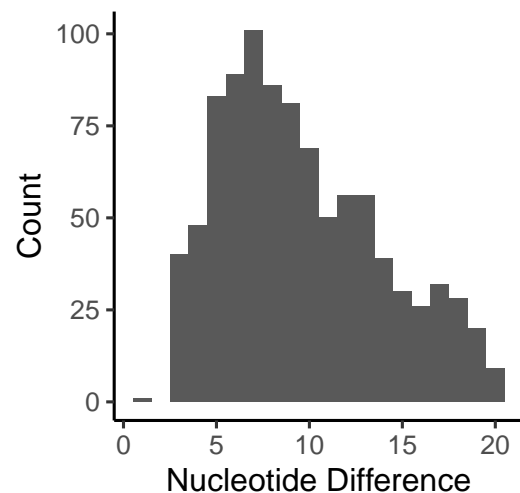
IGHV2-70*01

34 sequences assigned
No exact matches.



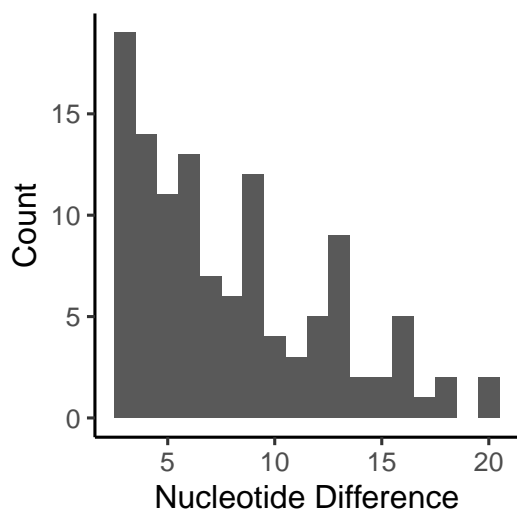
IGHV3-7*01

1037 sequences assigned
No exact matches.



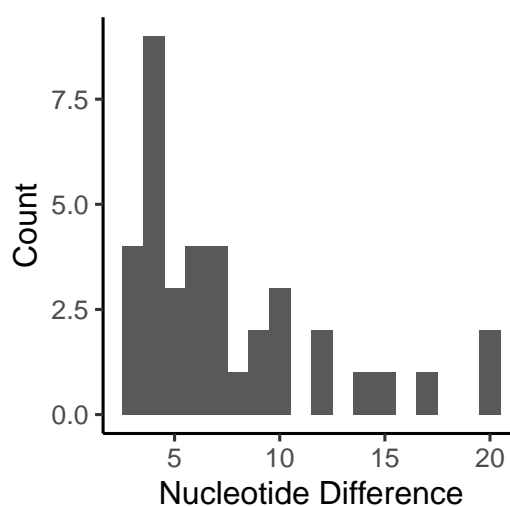
IGHV2-5*02

134 sequences assigned
No exact matches.



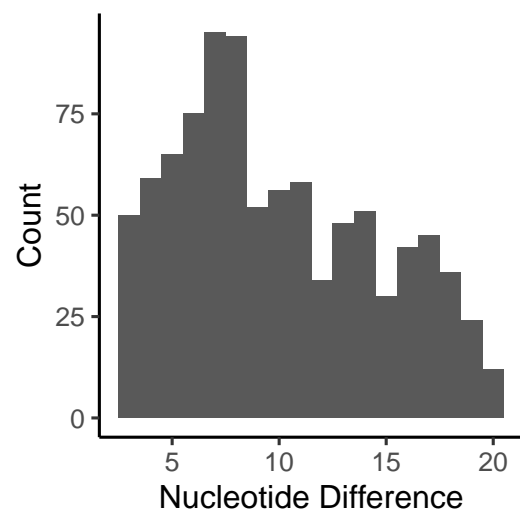
IGHV2-70*11_15

42 sequences assigned
No exact matches.



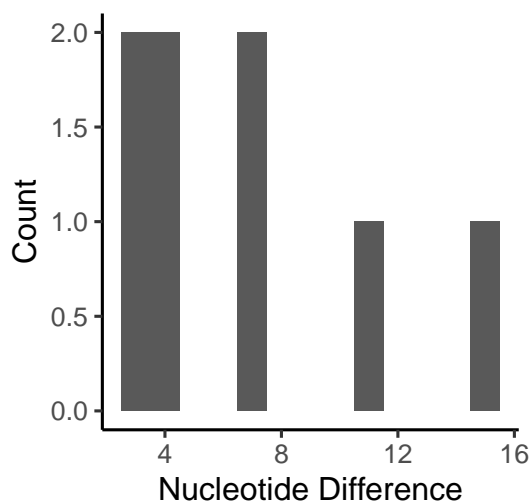
IGHV3-7*03

1031 sequences assigned
No exact matches.



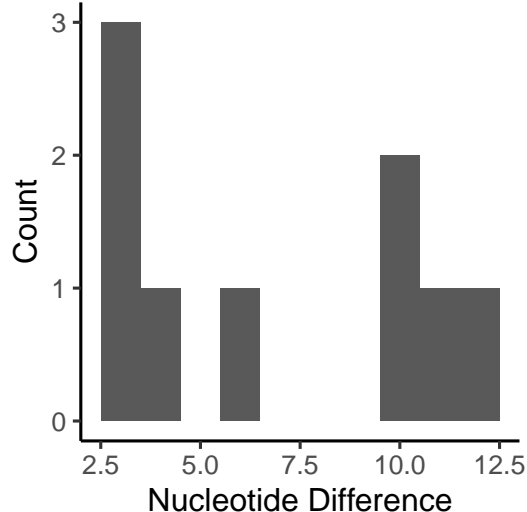
IGHV2-26*01

11 sequences assigned
No exact matches.



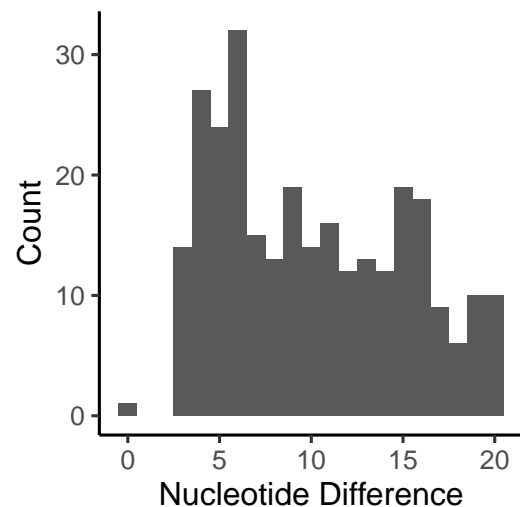
IGHV2-70*16_17

11 sequences assigned
No exact matches.



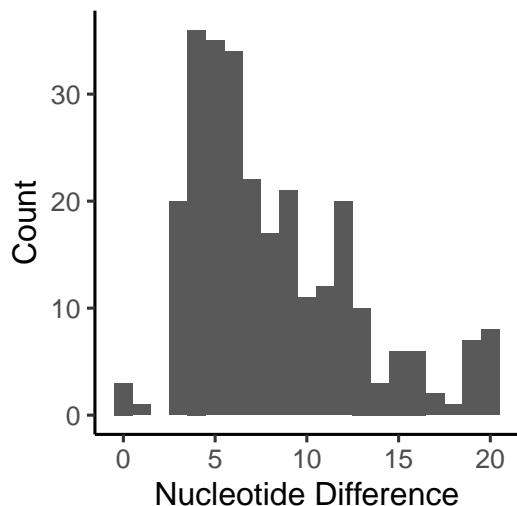
IGHV3-9*01

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



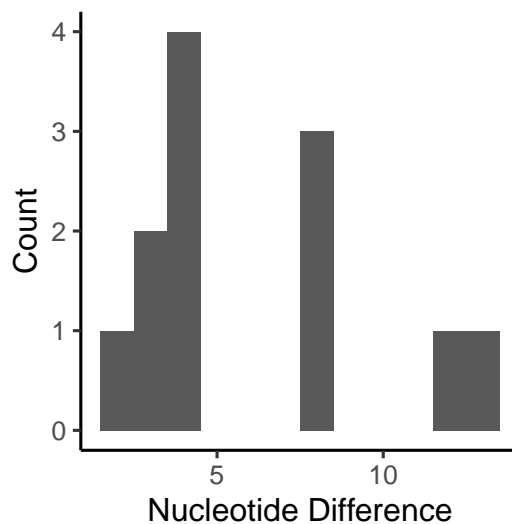
IGHV3-11*01

325 sequences assigned
3 (0.9%) exact matches, in which:
1 unique CDR3
1 unique J



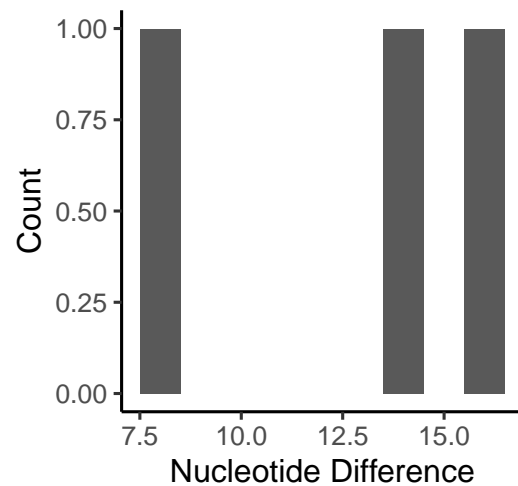
IGHV3-20*01_02

12 sequences assigned
No exact matches.



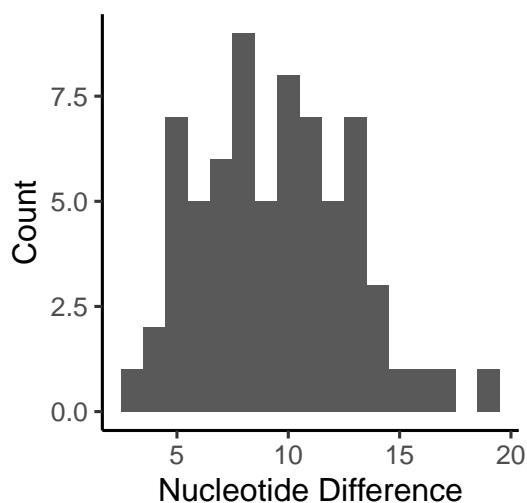
IGHV3-30-3*03

5 sequences assigned
No exact matches.



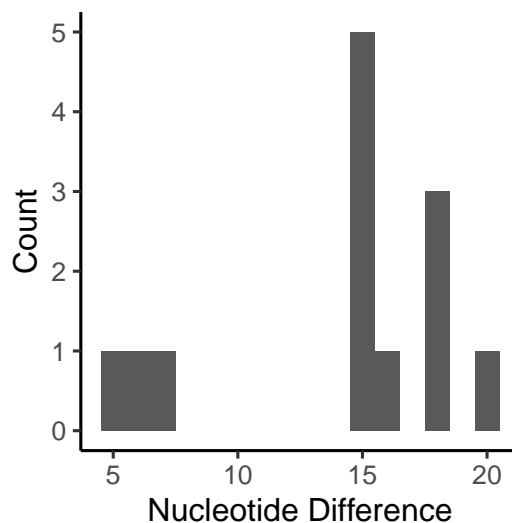
IGHV3-13*01

89 sequences assigned
No exact matches.



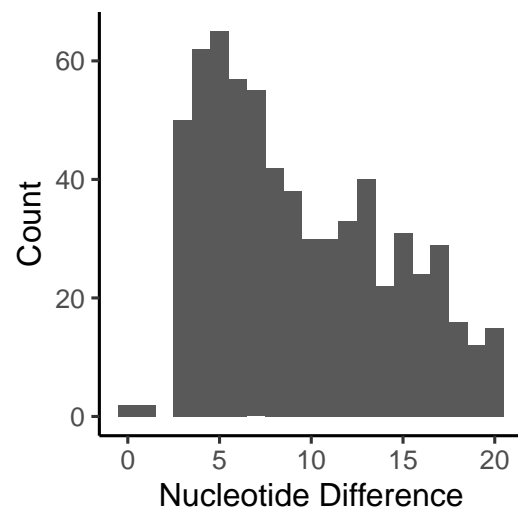
IGHV3-20*03_04

17 sequences assigned
No exact matches.



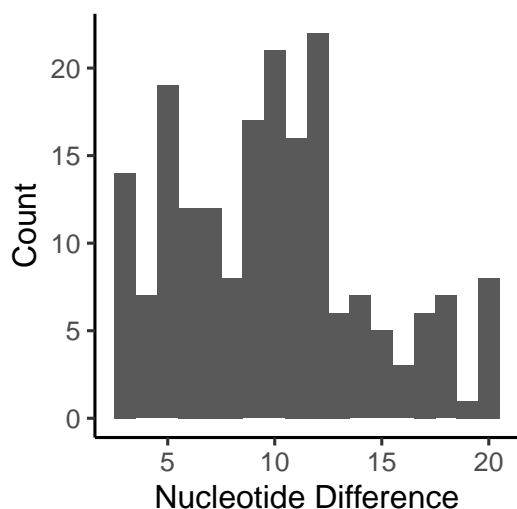
IGHV3-33*01

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



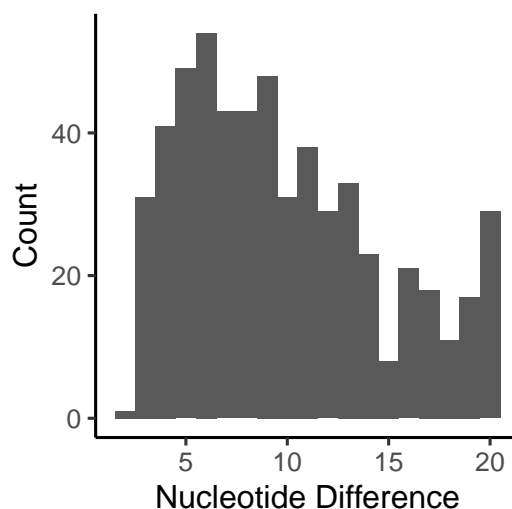
IGHV3-15*01_02

212 sequences assigned
No exact matches.



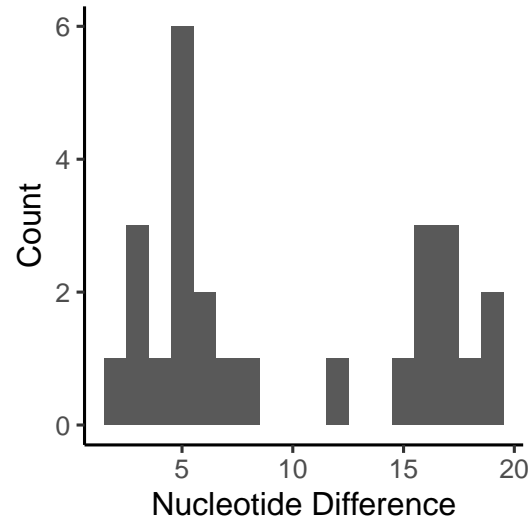
IGHV3-21*01_02

653 sequences assigned
No exact matches.



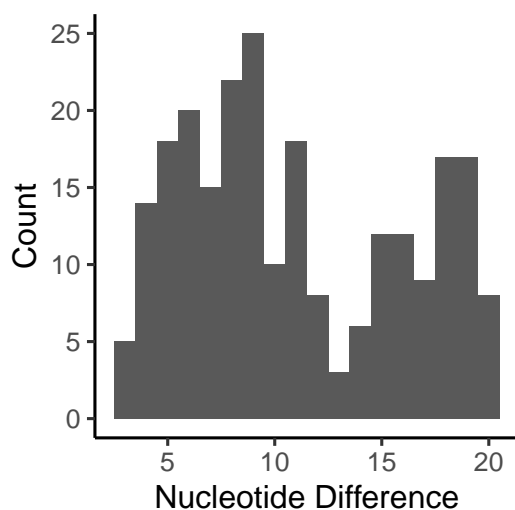
IGHV3-43*01

37 sequences assigned
No exact matches.



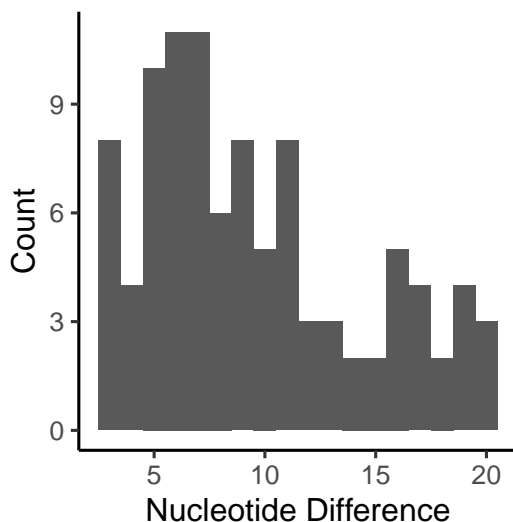
IGHV3-43*02

421 sequences assigned
No exact matches.



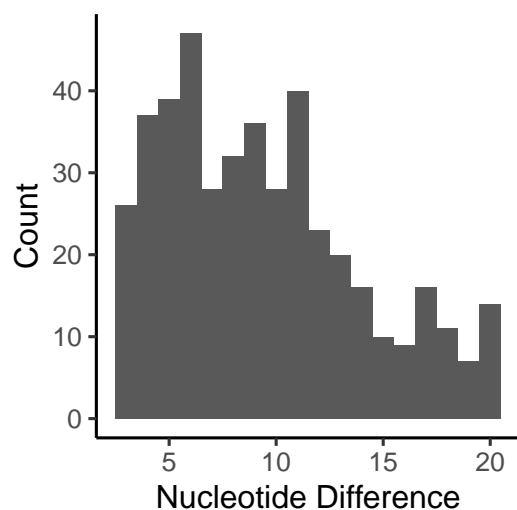
IGHV3-49*04

117 sequences assigned
No exact matches.



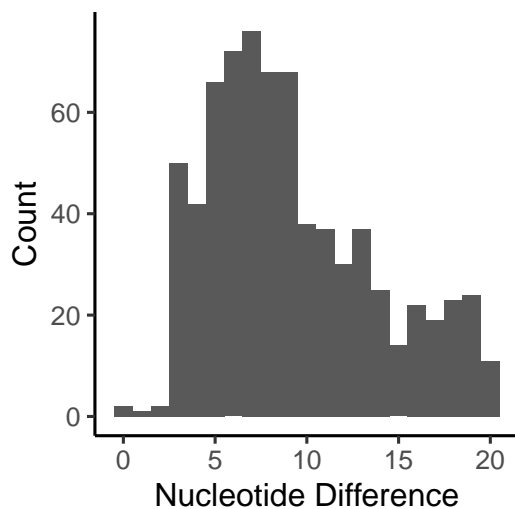
IGHV3-53*01_02

609 sequences assigned
No exact matches.



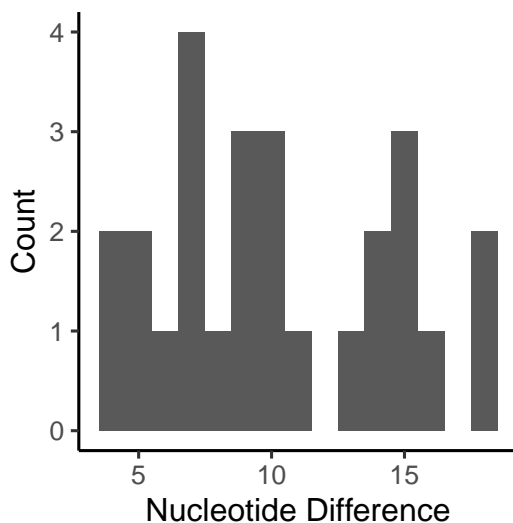
IGHV3-48*02

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



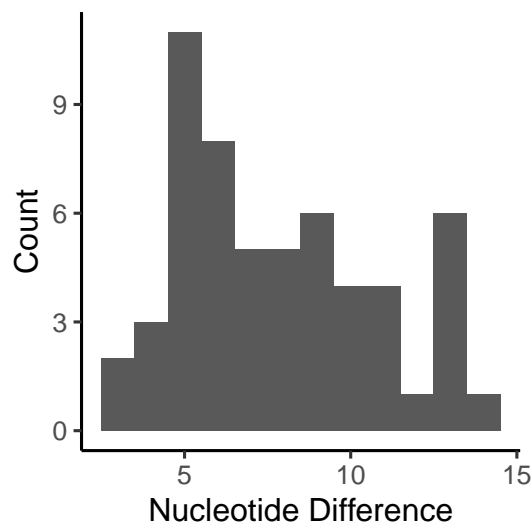
IGHV3-49*03_05

32 sequences assigned
No exact matches.



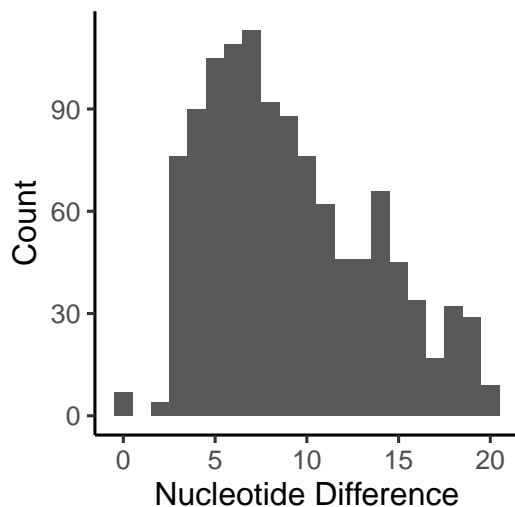
IGHV3-64*02_07

57 sequences assigned
No exact matches.



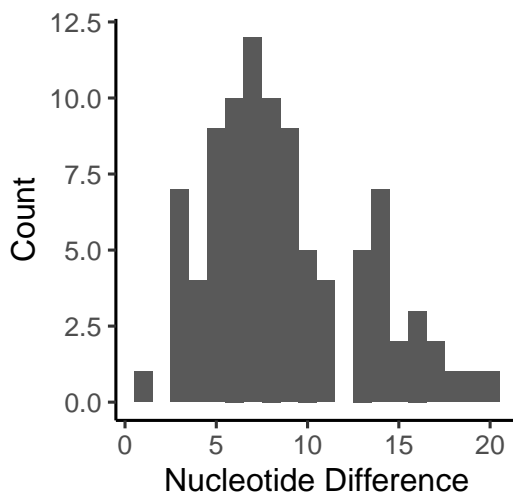
IGHV3-48*03

1262 sequences assigned
7 (0.6%) exact matches, in which:
3 unique CDR3
2 unique J



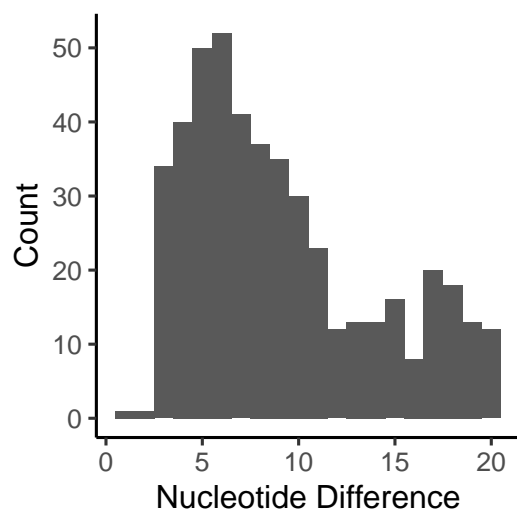
IGHV3-53*04

100 sequences assigned
No exact matches.



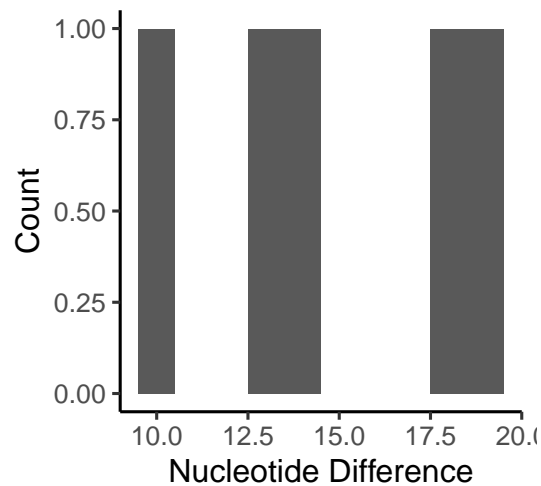
IGHV3-66*01

524 sequences assigned
No exact matches.



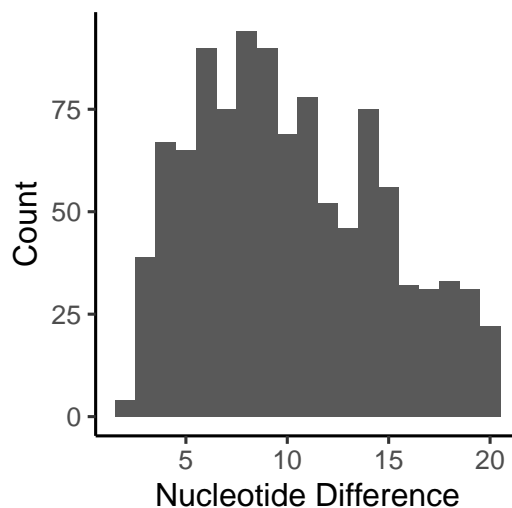
IGHV3-69-1*01

12 sequences assigned
No exact matches.



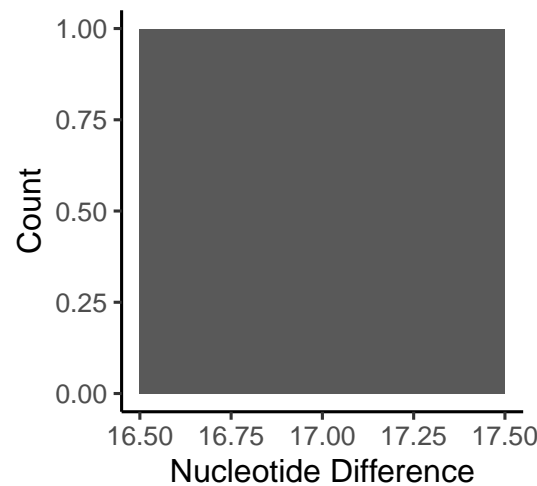
IGHV3-74*01_02

1211 sequences assigned
No exact matches.



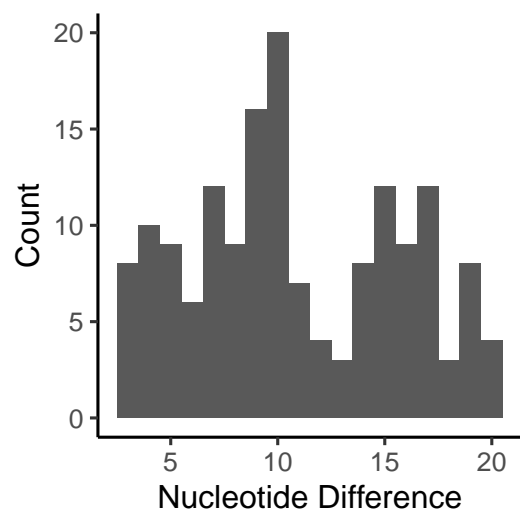
IGHV4-30-2*01

1 sequences assigned
No exact matches.



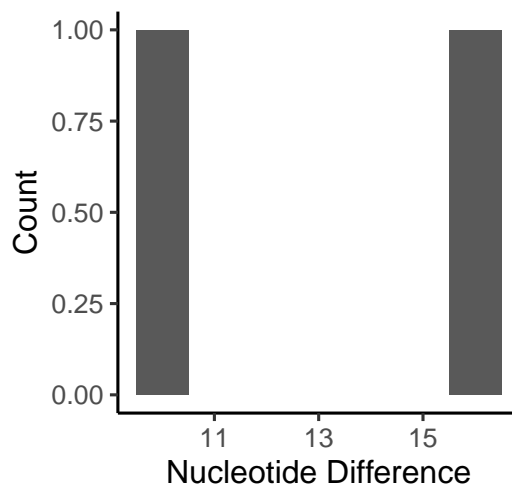
IGHV3-72*01

191 sequences assigned
No exact matches.



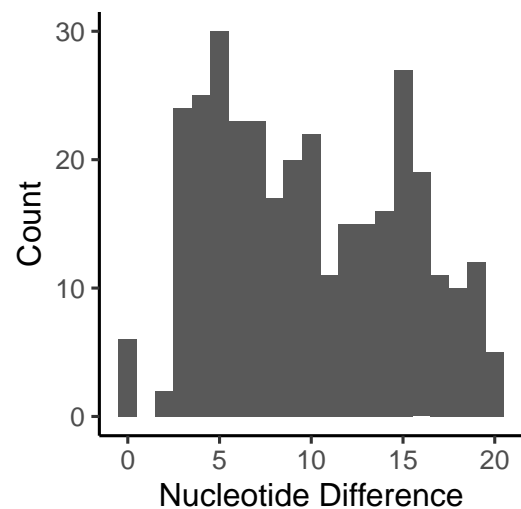
IGHV3-64D*06

2 sequences assigned
No exact matches.



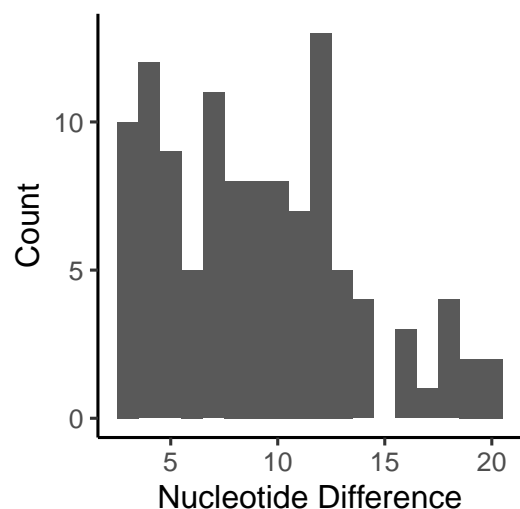
IGHV4-31*03_04

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



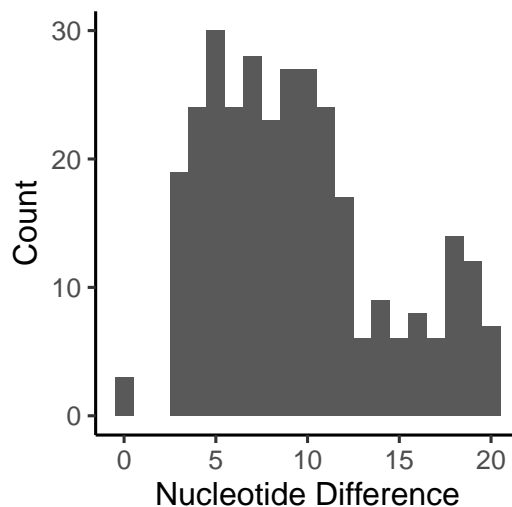
IGHV3-73*01_02

128 sequences assigned
No exact matches.



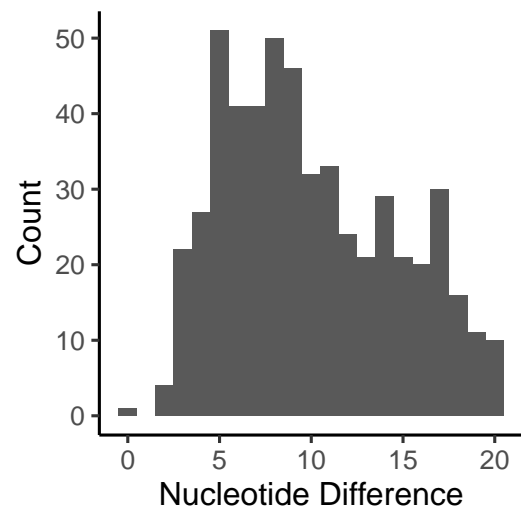
IGHV4-4*07

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



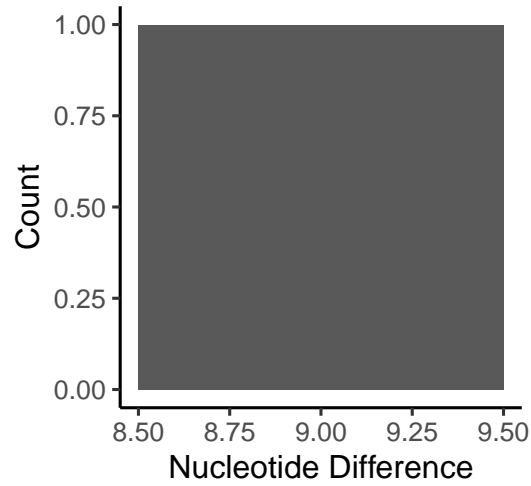
IGHV4-34*01_02

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



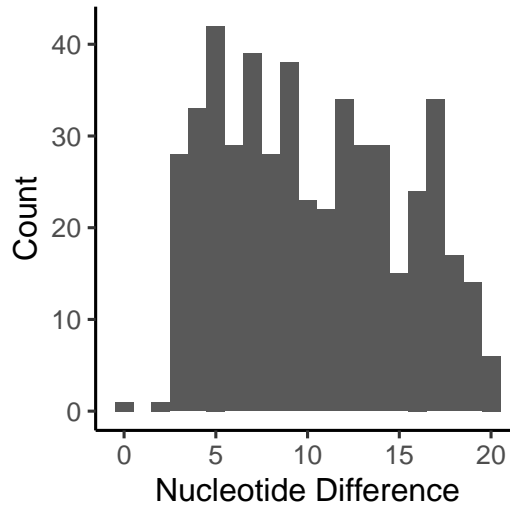
IGHV4-38-2*02

1 sequences assigned
No exact matches.



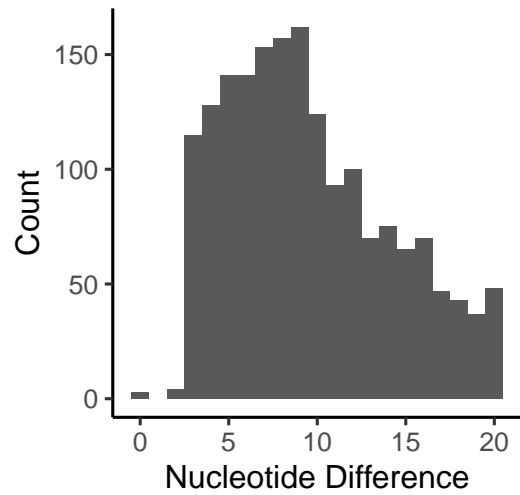
IGHV4-61*01

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



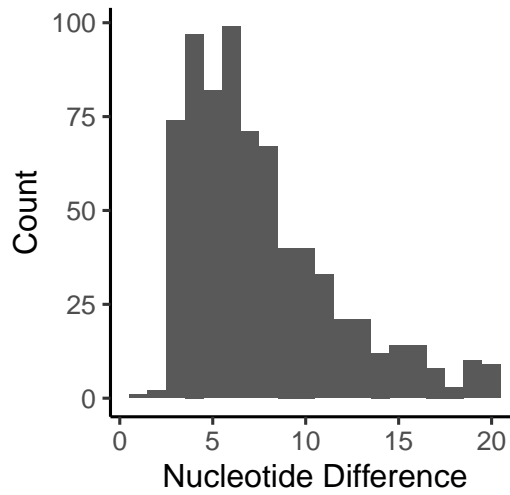
IGHV4-39*01_05

2085 sequences assigned
3 (0.1%) exact matches, in which:
2 unique CDR3
2 unique J



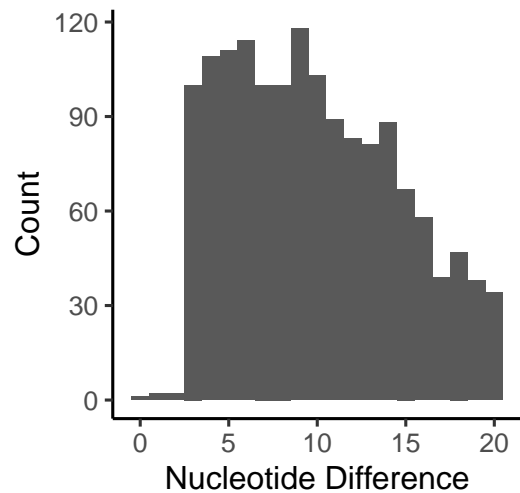
IGHV5-51*01_03

762 sequences assigned
No exact matches.



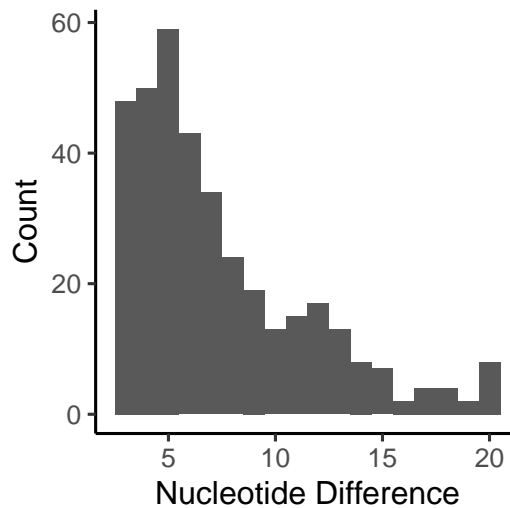
IGHV4-59*01_07

1783 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



IGHV6-1*01_02

381 sequences assigned
No exact matches.





Warning – no inferred sequences found.

Novel sequence(s) IGHV4–39*02_C258G IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1–69*04_09_G112A IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59*02_G88A IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.