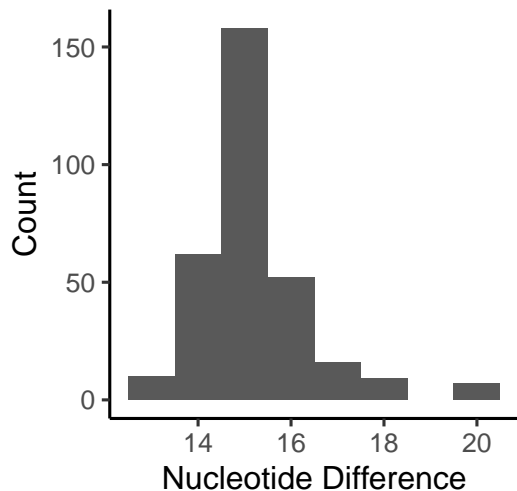


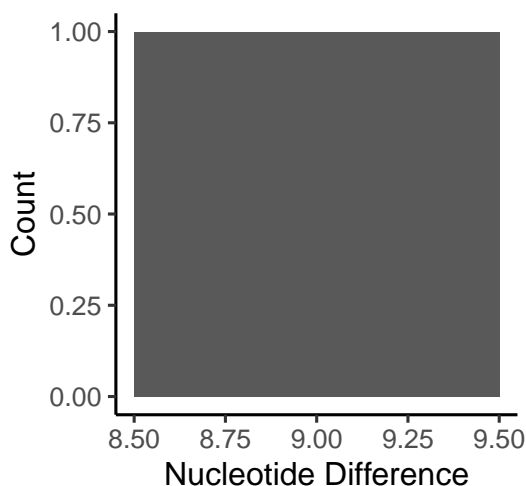
IGHV1–2*04

314 sequences assigned
No exact matches.



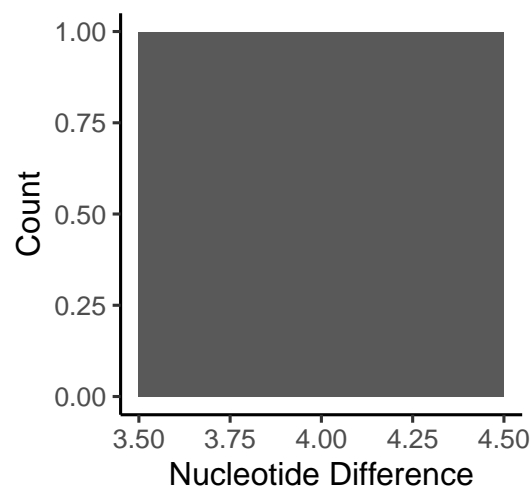
IGHV1–18*04

1 sequences assigned
No exact matches.



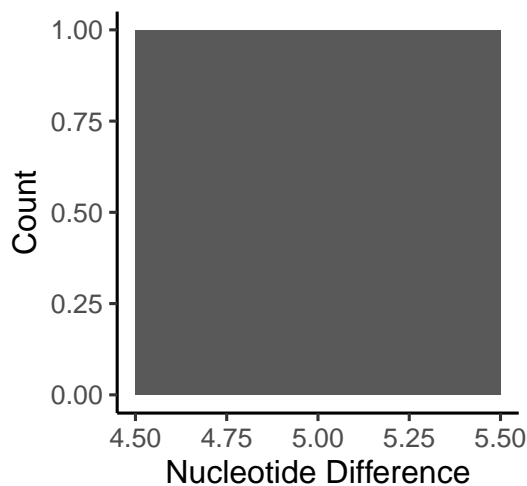
IGHV2–70*01

1 sequences assigned
No exact matches.



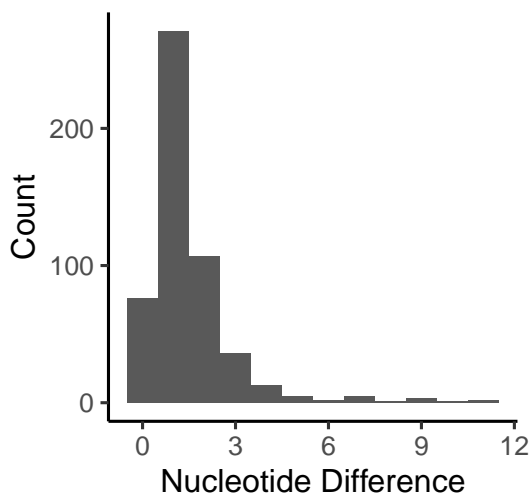
IGHV1–8*01

1 sequences assigned
No exact matches.



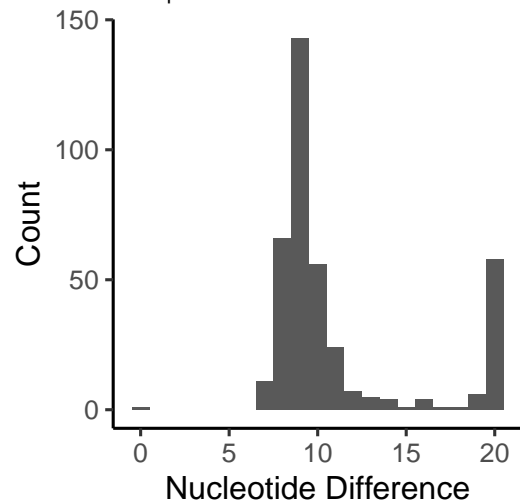
IGHV2–5*01

522 sequences assigned
76 (14.6%) exact matches, in which:
48 unique CDR3
1 unique J



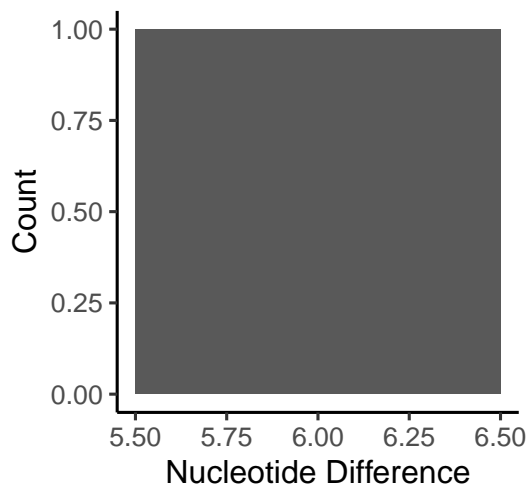
IGHV3–7*01

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



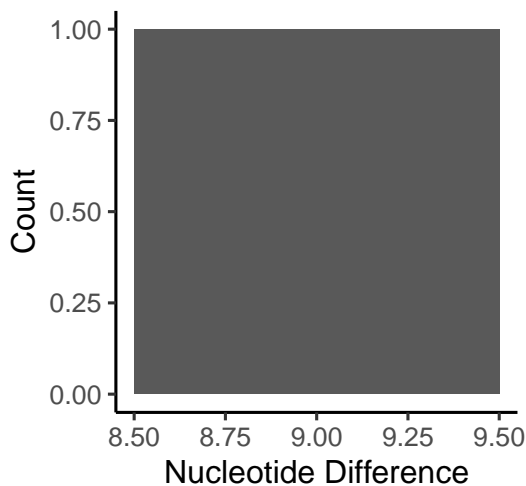
IGHV1–8*02

1 sequences assigned
No exact matches.



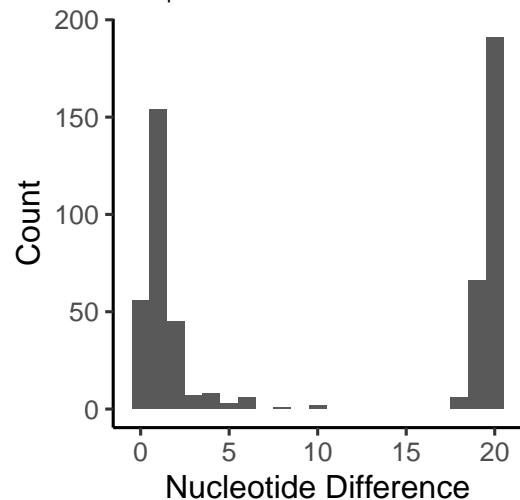
IGHV2–26*01

1 sequences assigned
No exact matches.



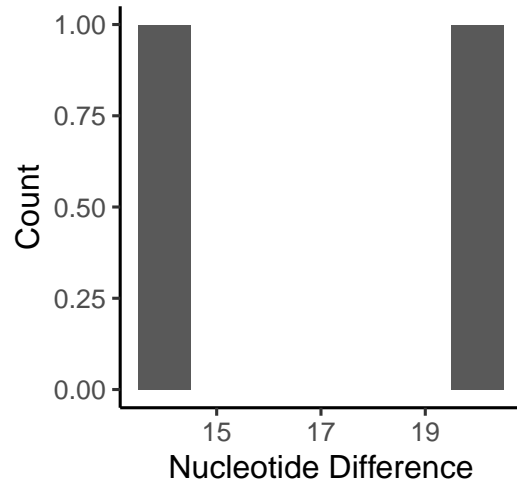
IGHV3–7*03

653 sequences assigned
56 (8.6%) exact matches, in which:
39 unique CDR3
1 unique J



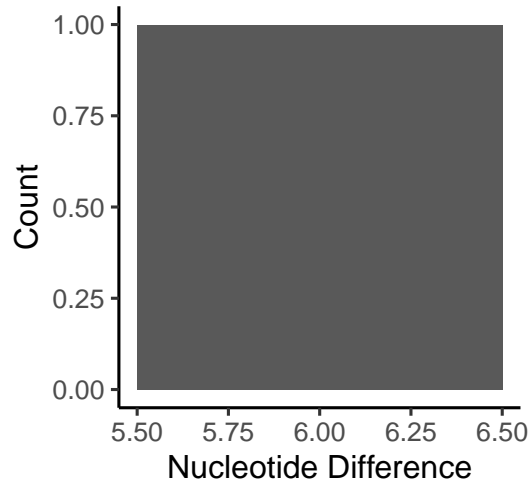
IGHV3-7*04

2 sequences assigned
No exact matches.



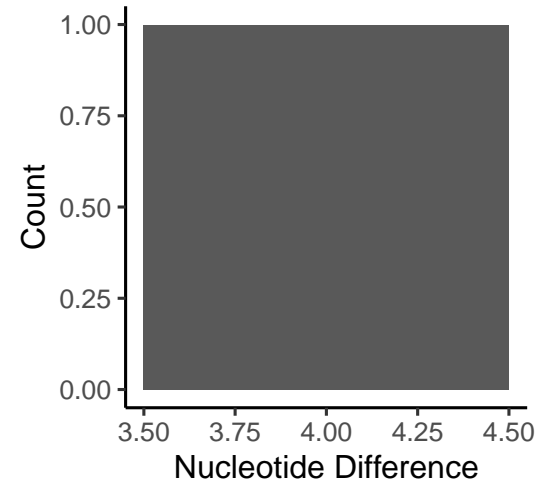
IGHV3-13*01

1 sequences assigned
No exact matches.



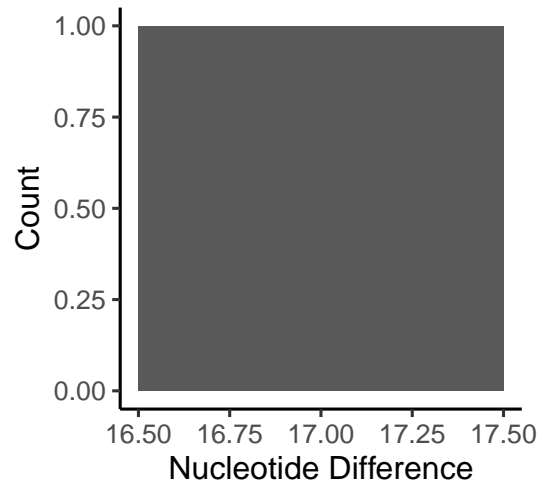
IGHV3-33*01

1 sequences assigned
No exact matches.



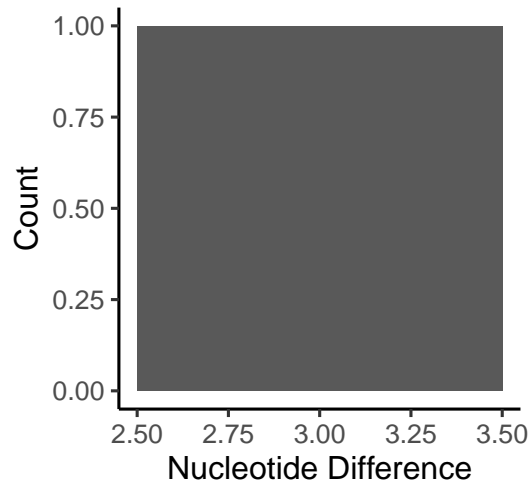
IGHV3-11*01

1 sequences assigned
No exact matches.



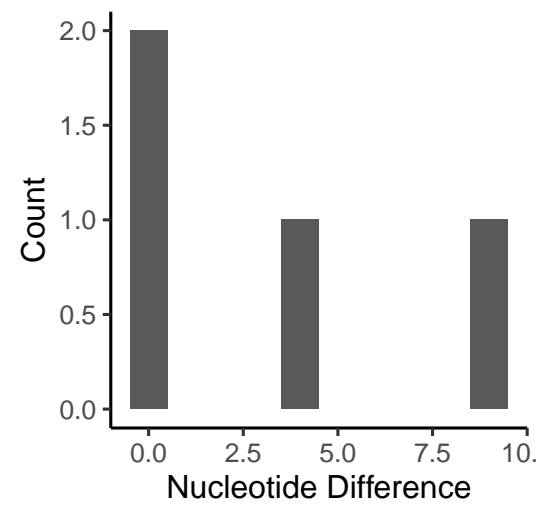
IGHV3-21*01_02

1 sequences assigned
No exact matches.



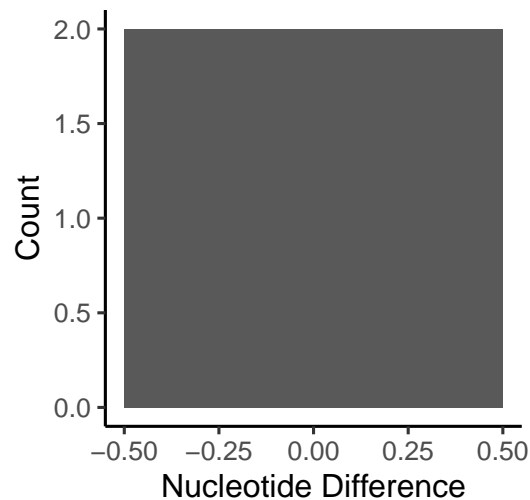
IGHV3-48*02

4 sequences assigned
2 (50%) exact matches, in which:
1 unique CDR3
1 unique J



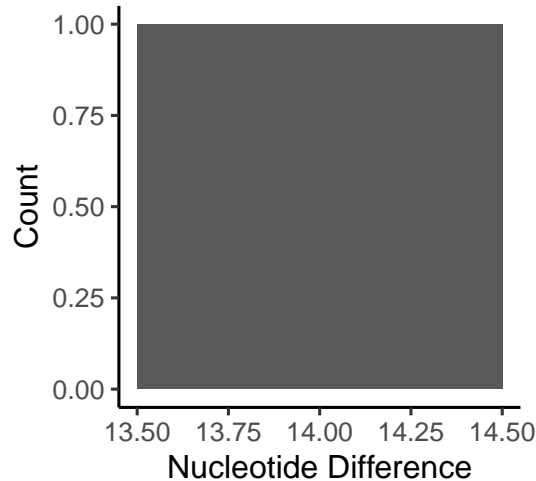
IGHV3-11*06

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
1 unique J



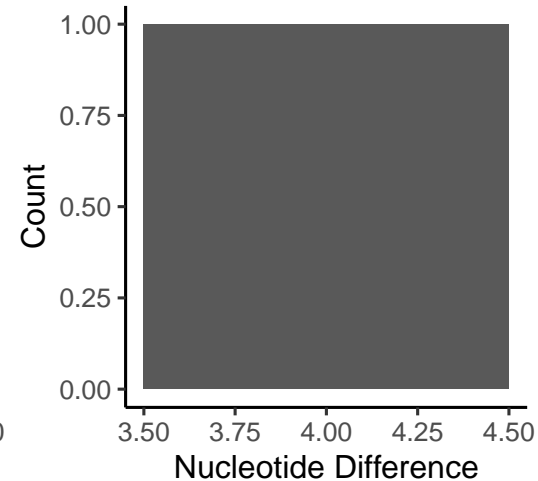
IGHV3-30-3*01

1 sequences assigned
No exact matches.



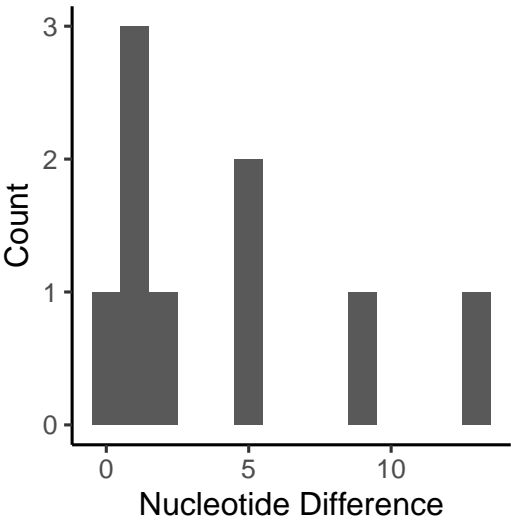
IGHV3-48*03

1 sequences assigned
No exact matches.



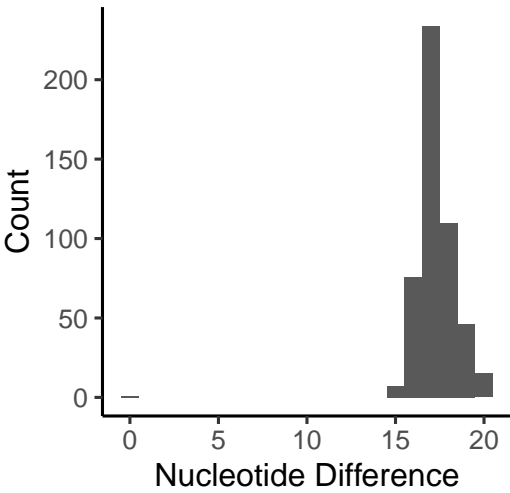
IGHV3–74*01_02

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



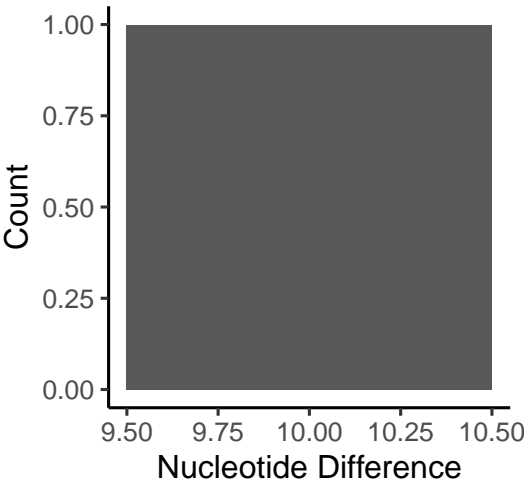
IGHV4–59*01_07

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



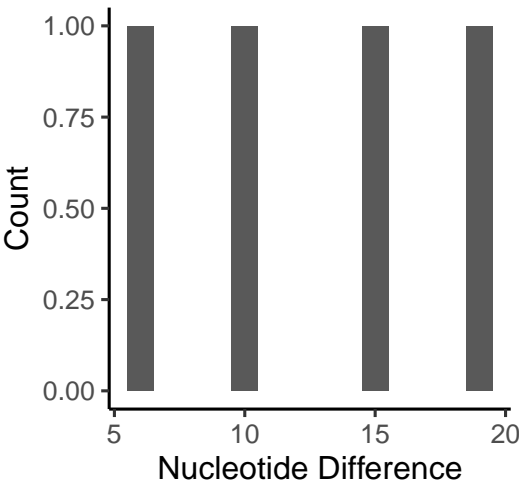
IGHV6–1*01_02

1 sequences assigned
No exact matches.



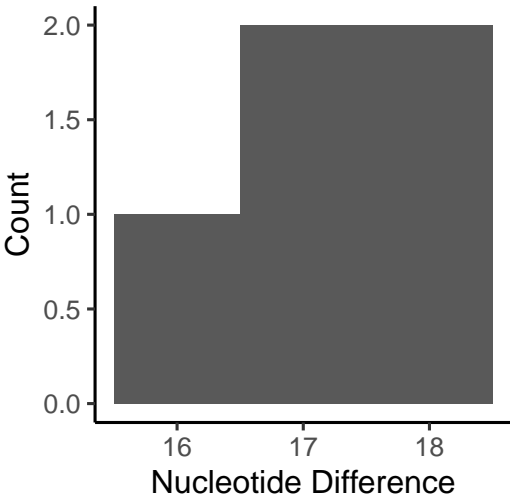
IGHV4–4*07

4 sequences assigned
No exact matches.



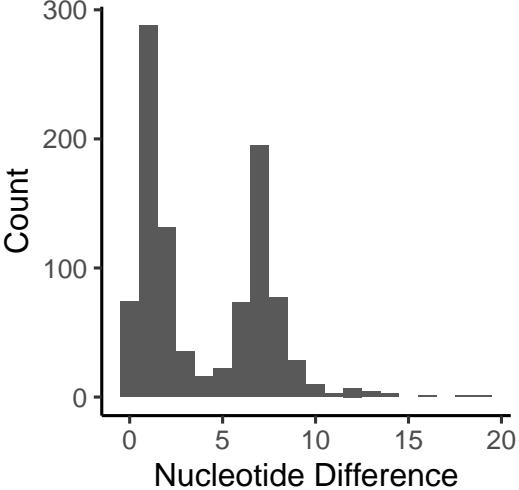
IGHV4–59*13

6 sequences assigned
No exact matches.



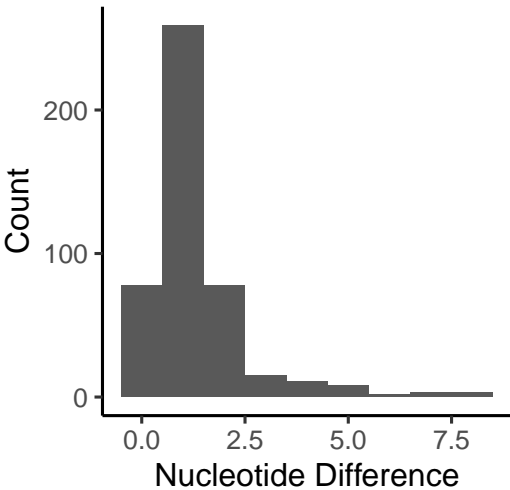
IGHV4–39*01_05

969 sequences assigned
74 (7.6%) exact matches, in which:
36 unique CDR3
1 unique J

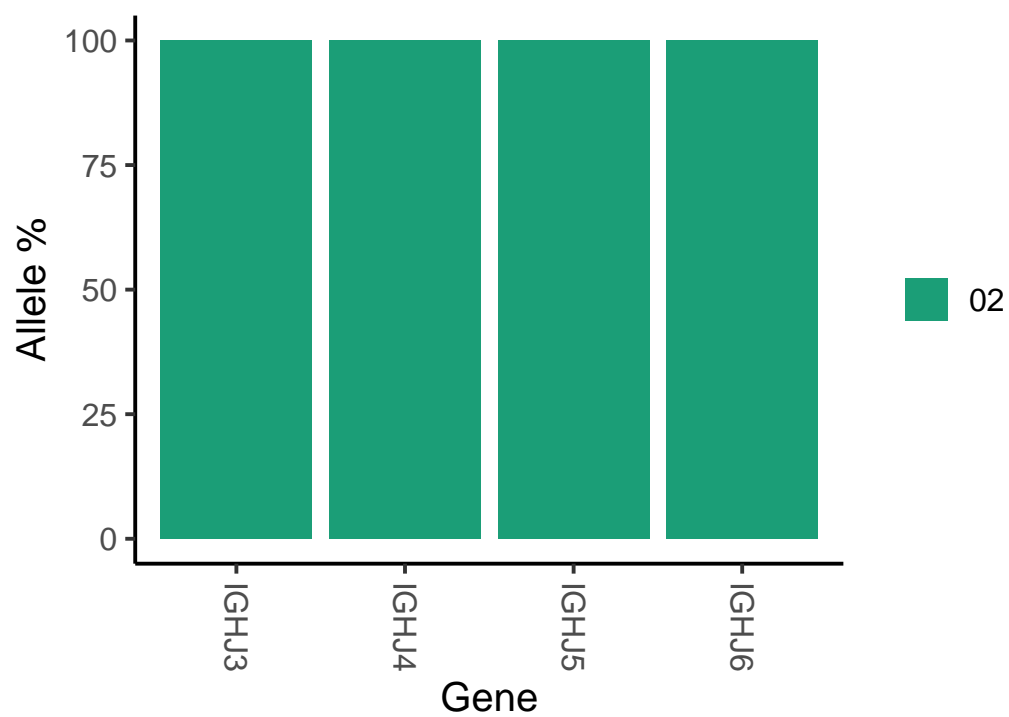


IGHV5–51*01_03

458 sequences assigned
78 (17%) exact matches, in which:
39 unique CDR3
1 unique J



Allele Usage



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)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)IGHV7–4–1*02_T63C are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV7–4–1*02_T63C are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning:IGHV4–31*02,IGHV4–31*03_04 have identical germline sequences.

Warning – no inferred sequences found.