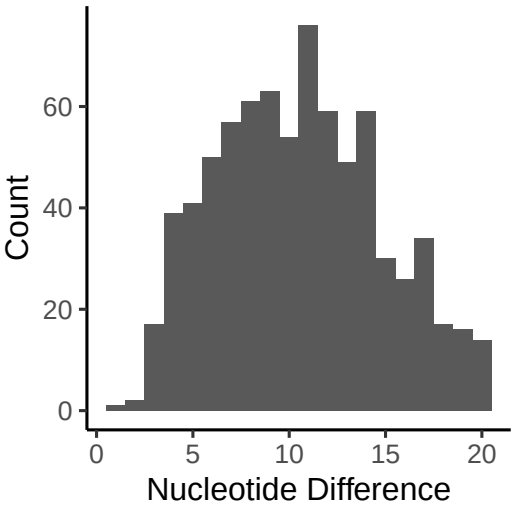
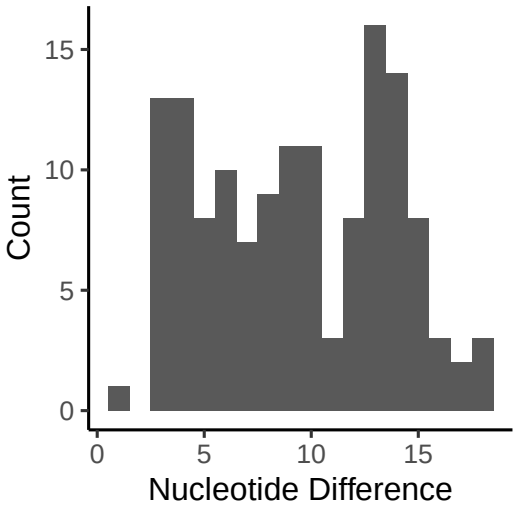
## IGHV1−2*02

846 sequences assigned
No exact matches.



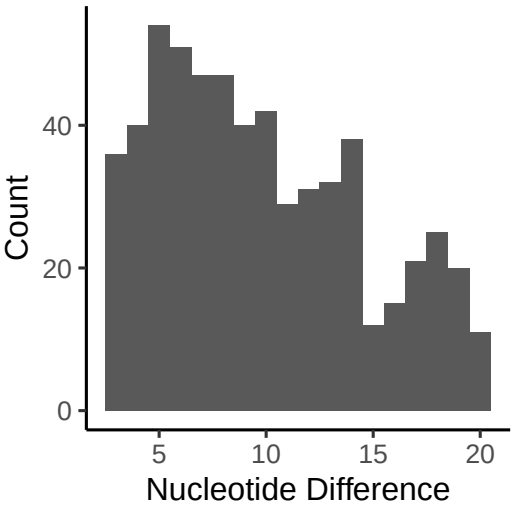

## IGHV1−8*01

157 sequences assigned
No exact matches.



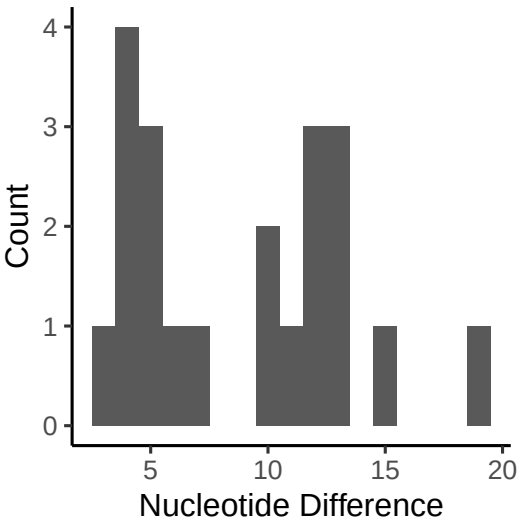

## IGHV1−46*01

681 sequences assigned
No exact matches.



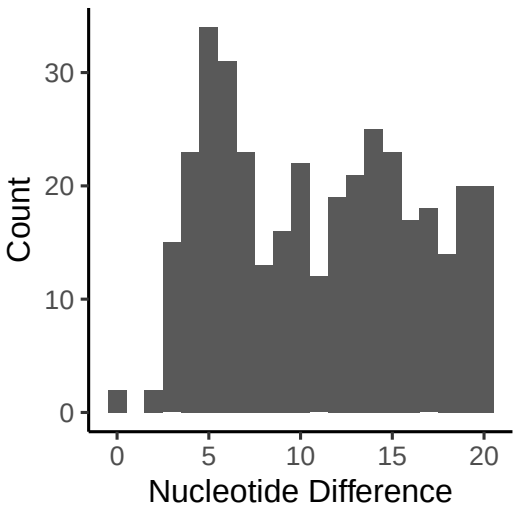

## IGHV1−3*04

29 sequences assigned
No exact matches.



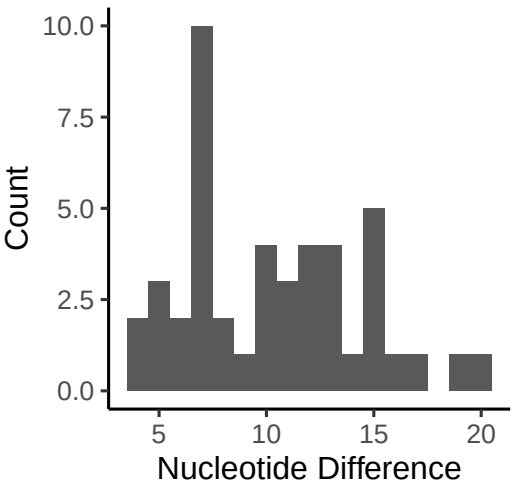

## IGHV1−18*01

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



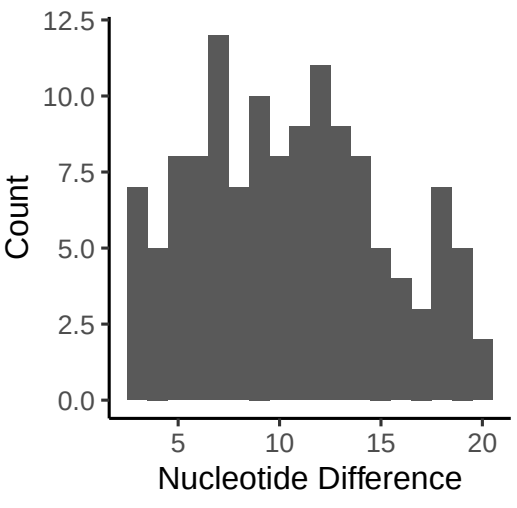

## IGHV1−58*01_03

49 sequences assigned
No exact matches.



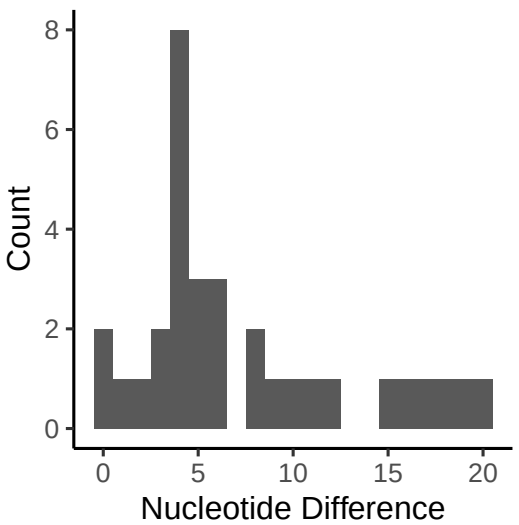

## IGHV1−3*01_05

163 sequences assigned
No exact matches.



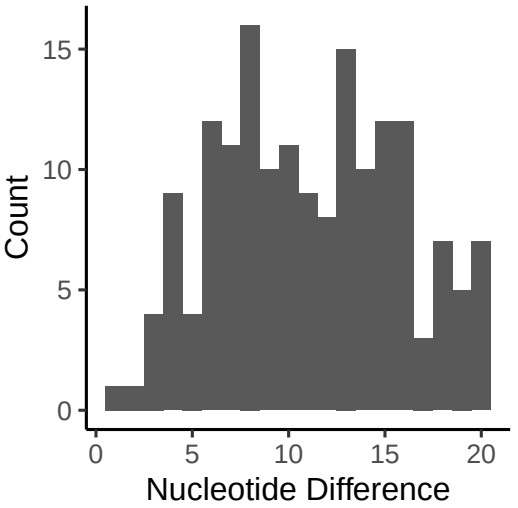

## IGHV1−24*01

48 sequences assigned
2 (4.2%) exact matches, in which:
2 unique CDR3
1 unique J



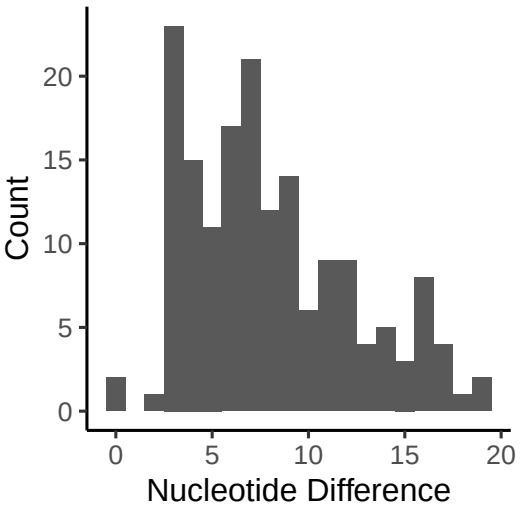

## IGHV1−69*04_09

225 sequences assigned
No exact matches.



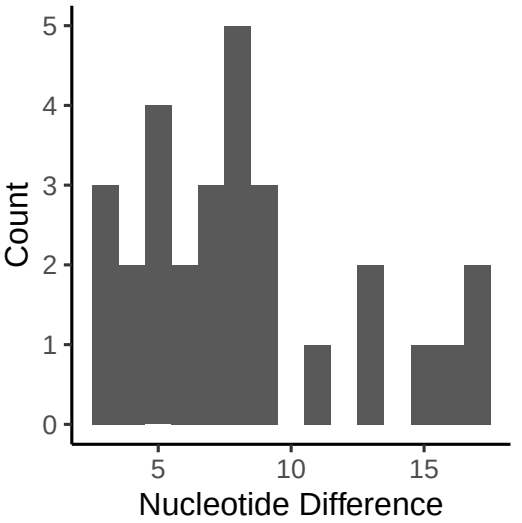
## IGHV2−5*01

179 sequences assigned
2 (1.1%) exact matches, in which:
2 unique CDR3
1 unique J



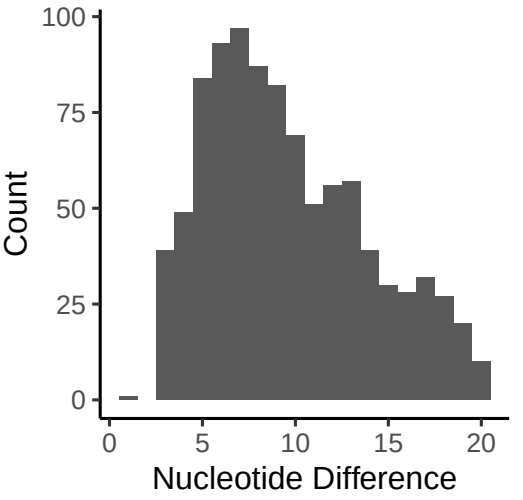

## IGHV2−70*01

34 sequences assigned
No exact matches.



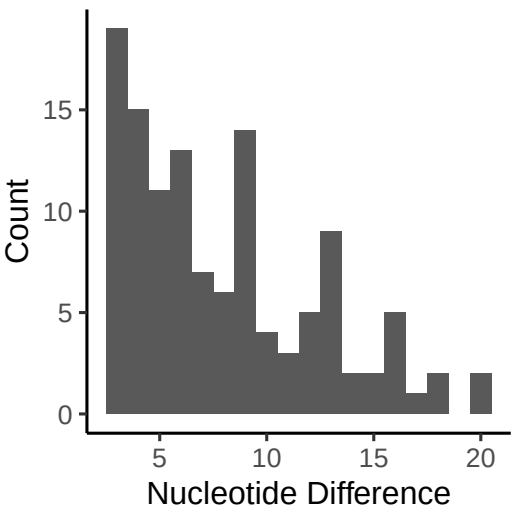

## IGHV3−7*01

1045 sequences assigned
No exact matches.



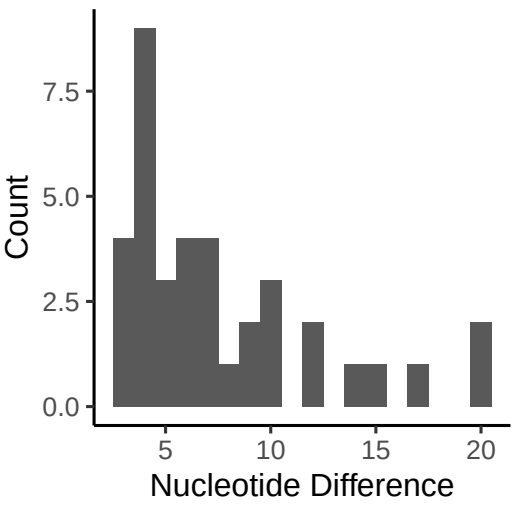

## IGHV2−5*02

137 sequences assigned
No exact matches.



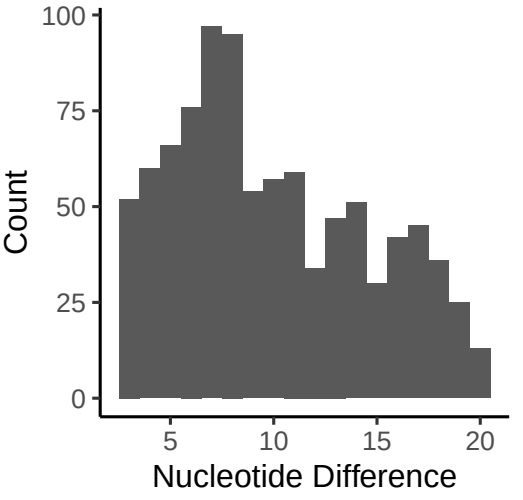

## IGHV2−70*11_15

43 sequences assigned
No exact matches.



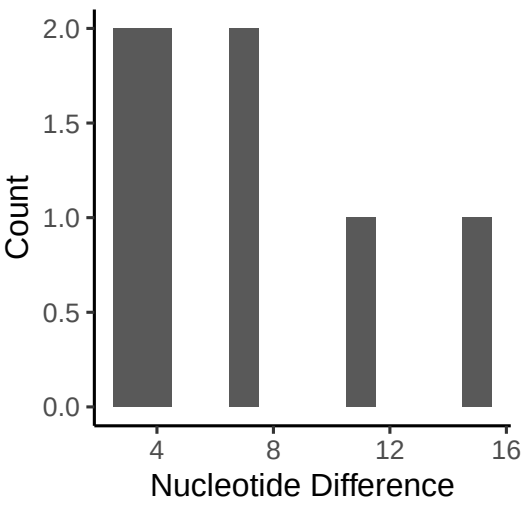

## IGHV3−7*03

1044 sequences assigned
No exact matches.



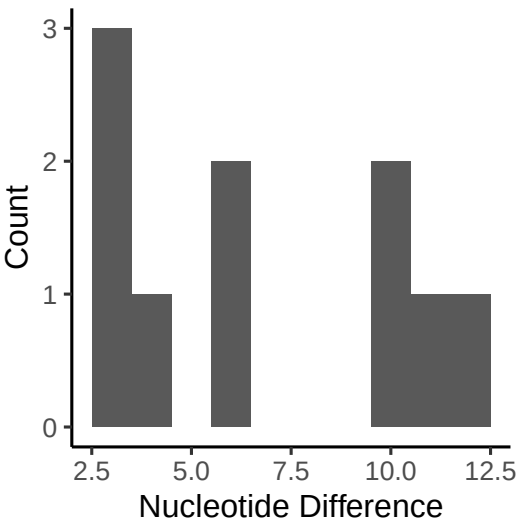

## IGHV2−26*01

11 sequences assigned
No exact matches.



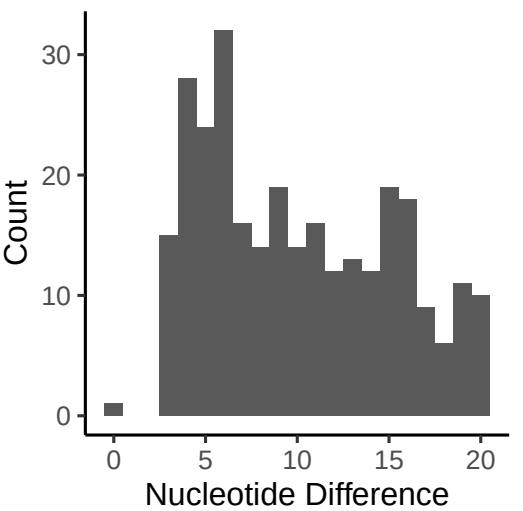

## IGHV2−70*16_17

12 sequences assigned
No exact matches.



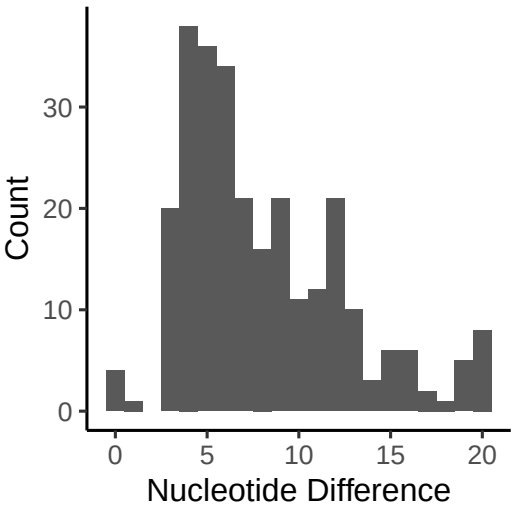

## IGHV3−9*01

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



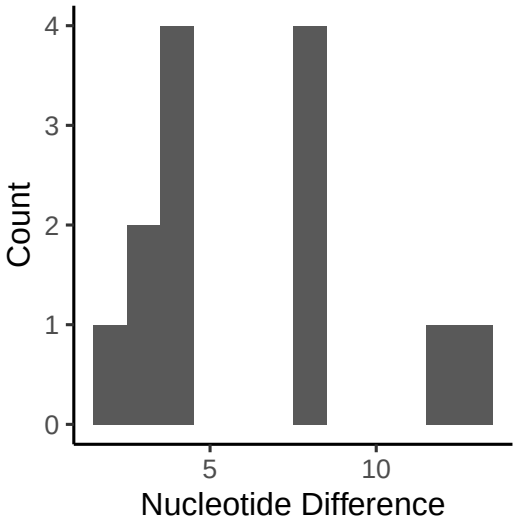
## IGHV3−11*01

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



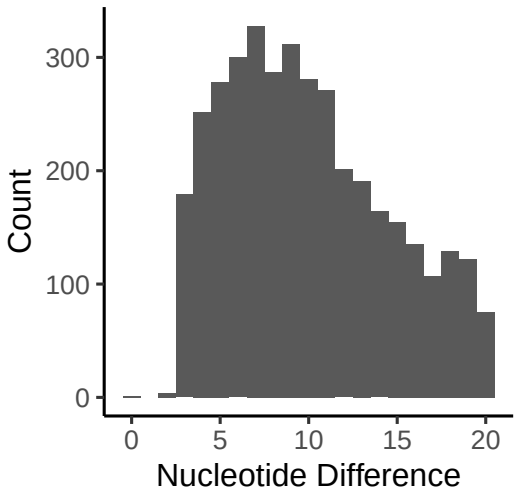

## IGHV3−20*01_02

13 sequences assigned
No exact matches.



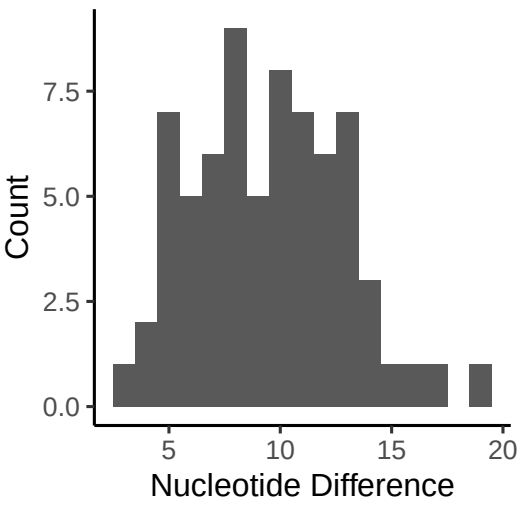

## IGHV3−23*01_04

4199 sequences assigned
1 (0%) exact matches, in which:
1 unique CDR3
1 unique J



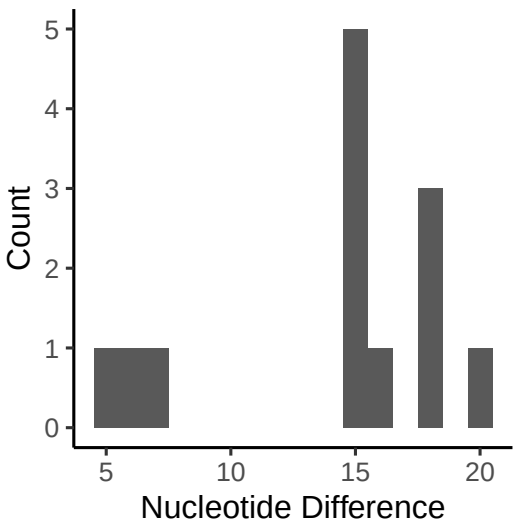

## IGHV3−13*01

90 sequences assigned
No exact matches.



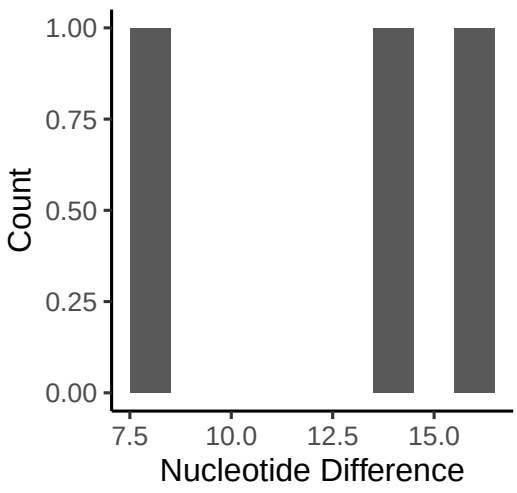

## IGHV3−20*03_04

17 sequences assigned
No exact matches.



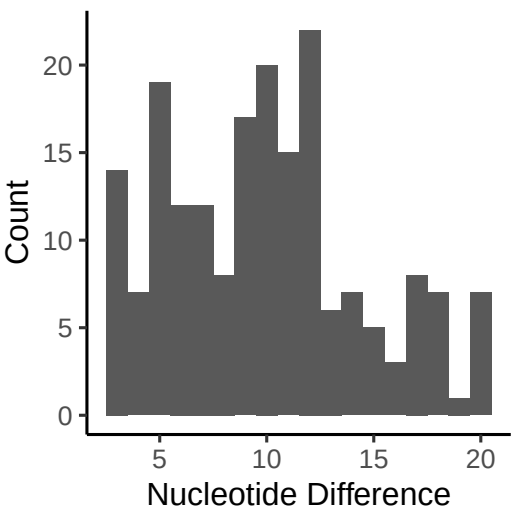

## IGHV3−30−3*03

5 sequences assigned
No exact matches.



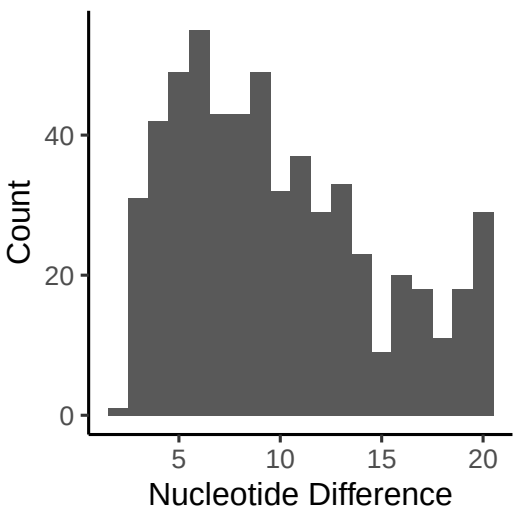

## IGHV3−15*01_02

213 sequences assigned
No exact matches.



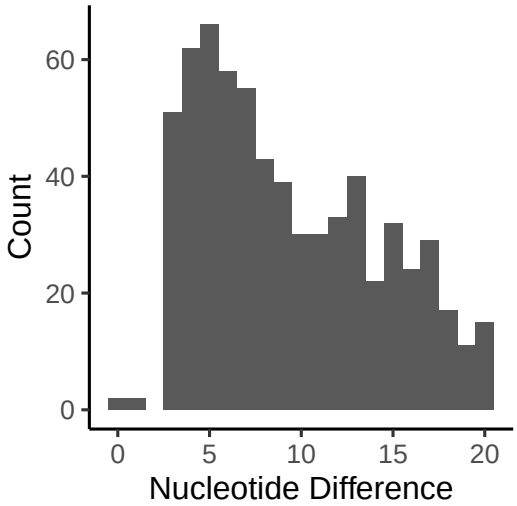

## IGHV3−21*01_02

656 sequences assigned
No exact matches.



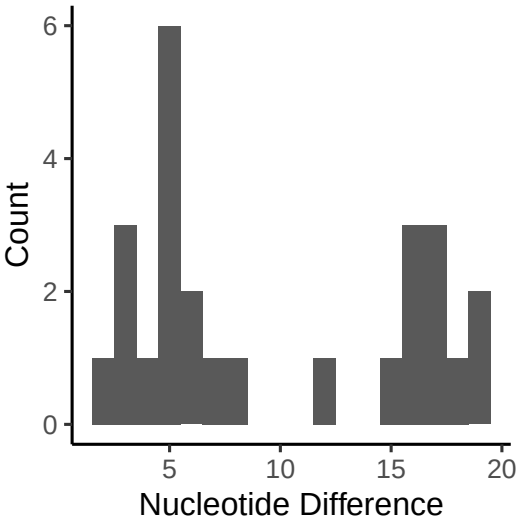

## IGHV3−33*01

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



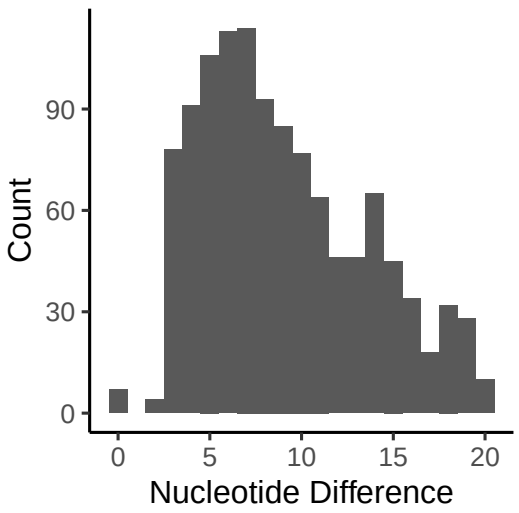
## IGHV3−43*01

37 sequences assigned
No exact matches.



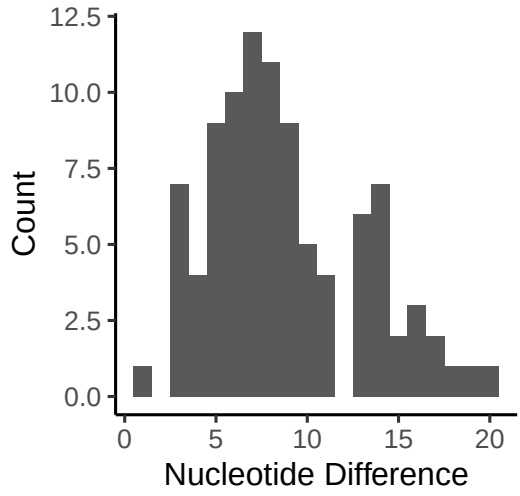

## IGHV3−48*03

1273 sequences assigned
7 (0.5%) exact matches, in which:
3 unique CDR3
2 unique J



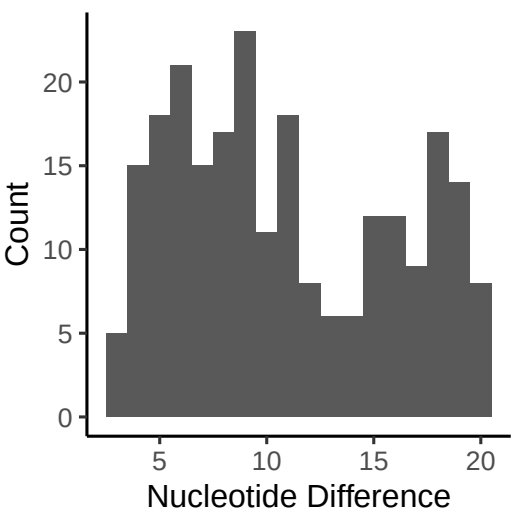

## IGHV3−53*04

102 sequences assigned
No exact matches.



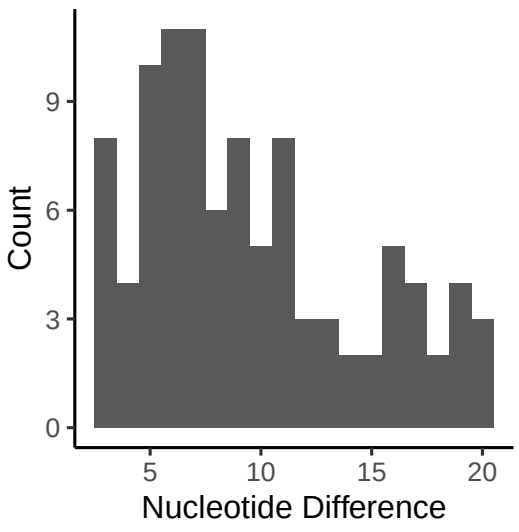

## IGHV3−43*02

416 sequences assigned
No exact matches.



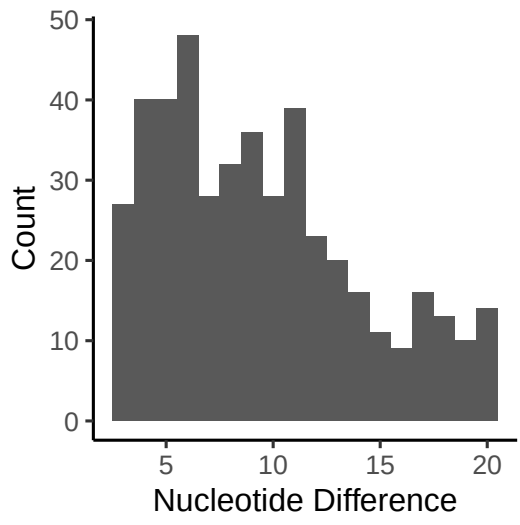

## IGHV3−49*04

117 sequences assigned
No exact matches.



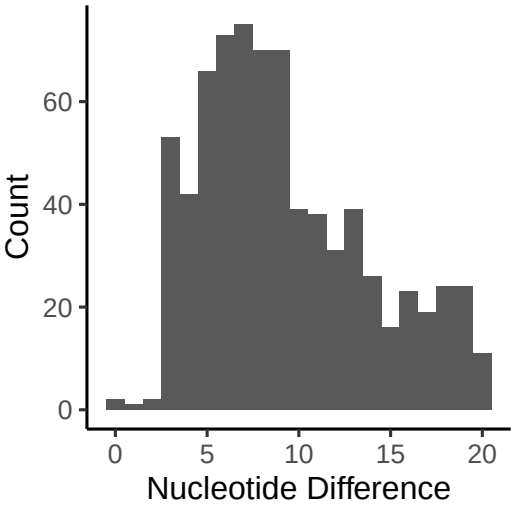

## IGHV3−53*01_02

622 sequences assigned
No exact matches.



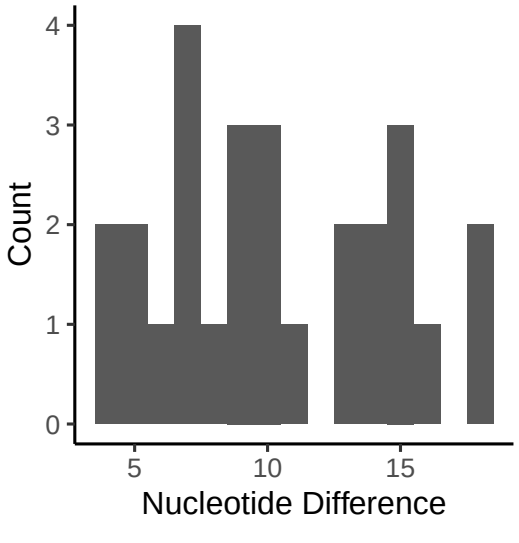

## IGHV3−48*02

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



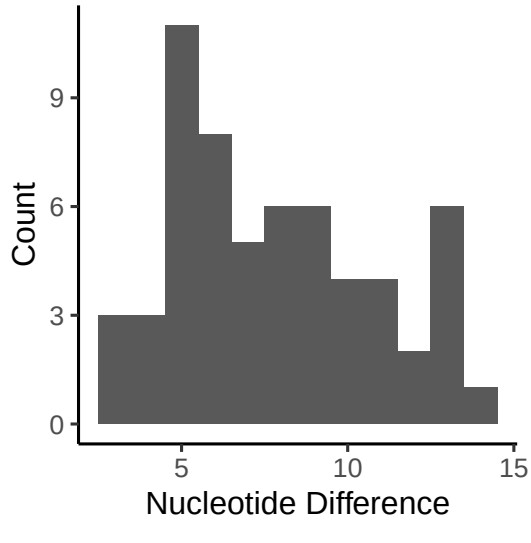

## IGHV3−49*03_05

33 sequences assigned
No exact matches.



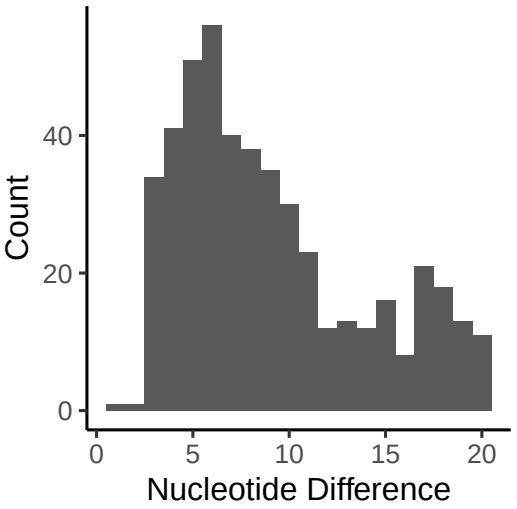

## IGHV3−64*02_07

60 sequences assigned
No exact matches.



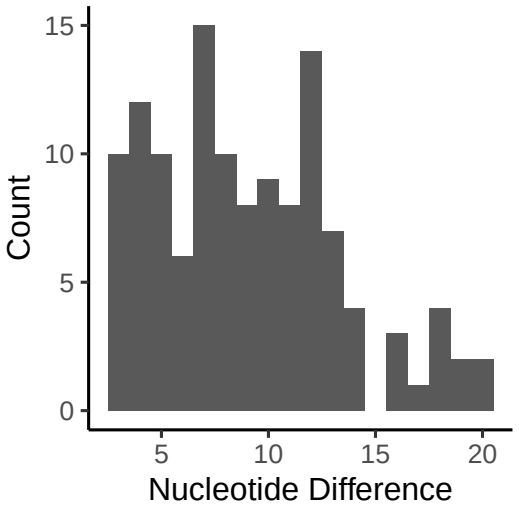
## IGHV3−66*01

529 sequences assigned
No exact matches.



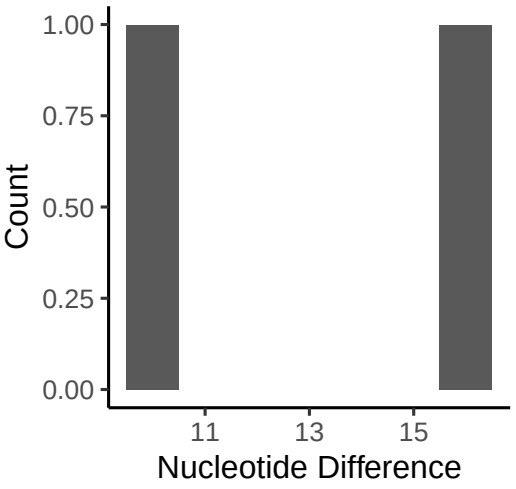

## IGHV3−73*01_02

141 sequences assigned
No exact matches.



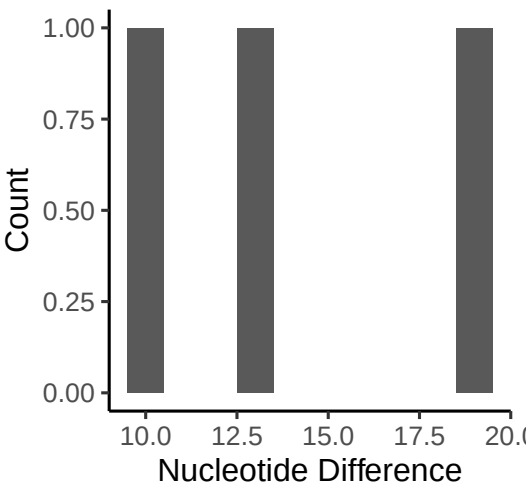

## IGHV3−64D*06

2 sequences assigned
No exact matches.



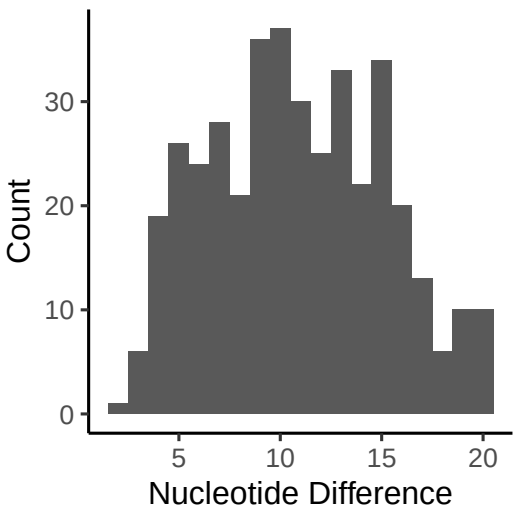

## IGHV3−69−1*01

3 sequences assigned
No exact matches.



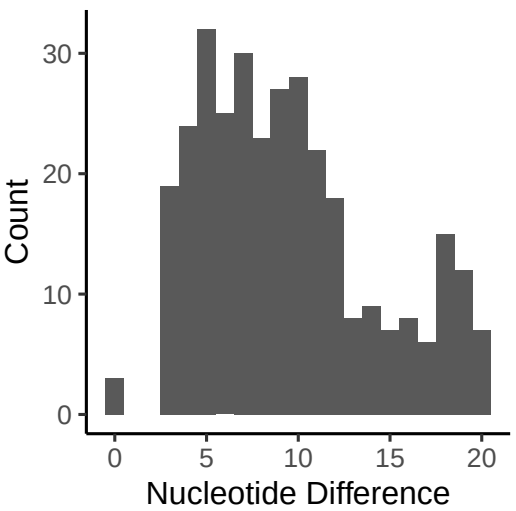

## IGHV3−74*03

466 sequences assigned
No exact matches.



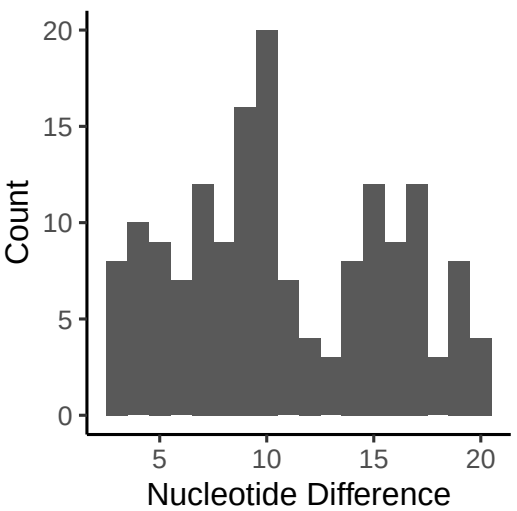

## IGHV4−4*07

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



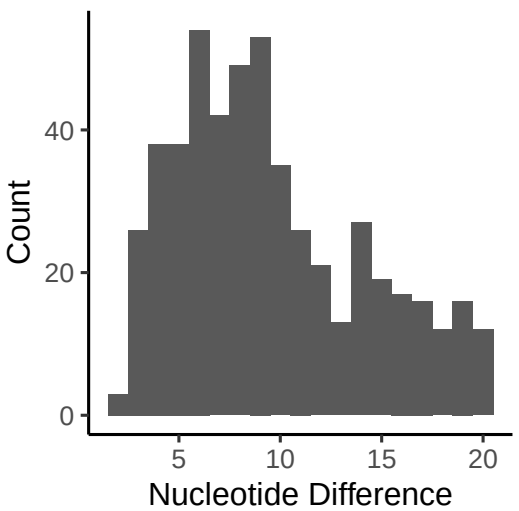

## IGHV3−72*01

193 sequences assigned
No exact matches.



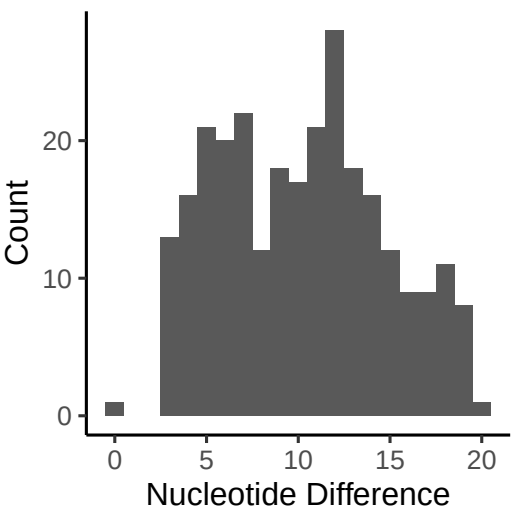

## IGHV3−74*01_02

611 sequences assigned
No exact matches.



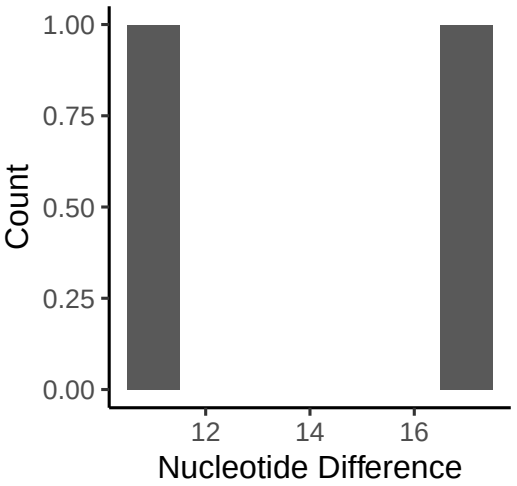

## IGHV4−4*02_03

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



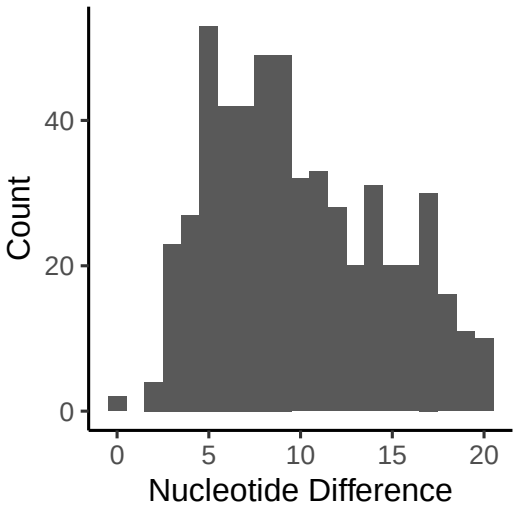
## IGHV4−30−2*03

5 sequences assigned
No exact matches.



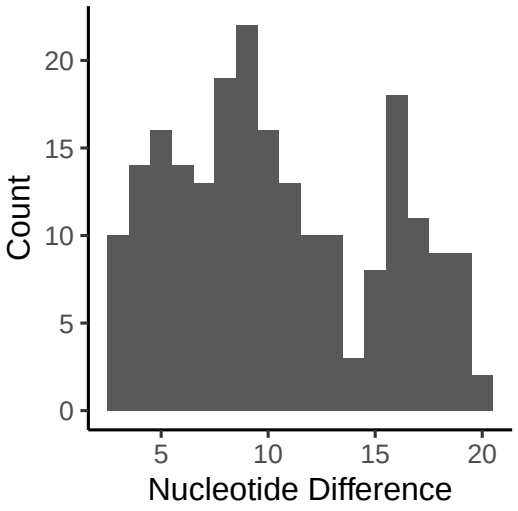

## IGHV4−34*01_02

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



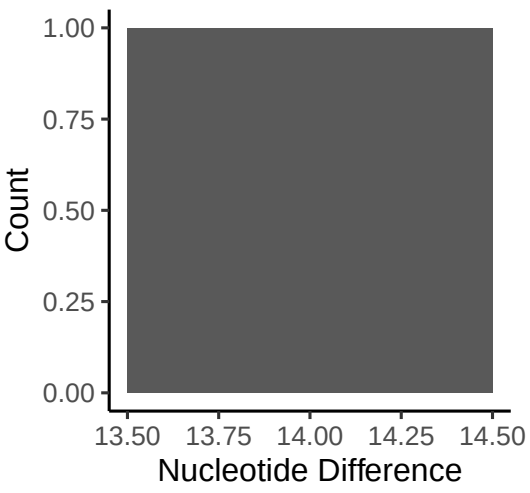

## IGHV4−39*01_05

263 sequences assigned
No exact matches.



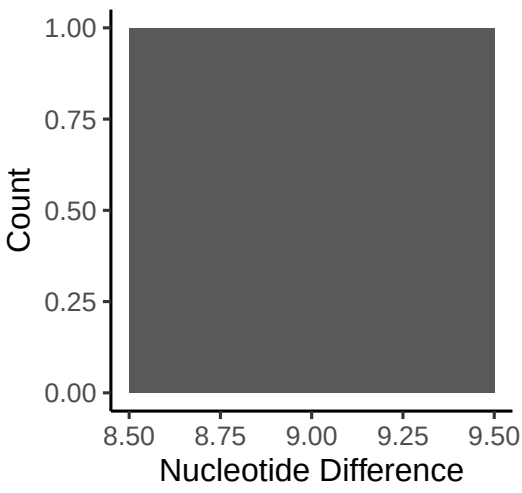

## IGHV4−30−4*07

1 sequences assigned
No exact matches.



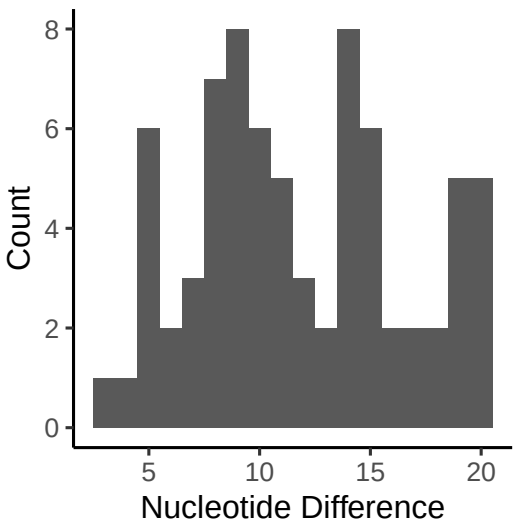

## IGHV4−38−2*02

1 sequences assigned
No exact matches.



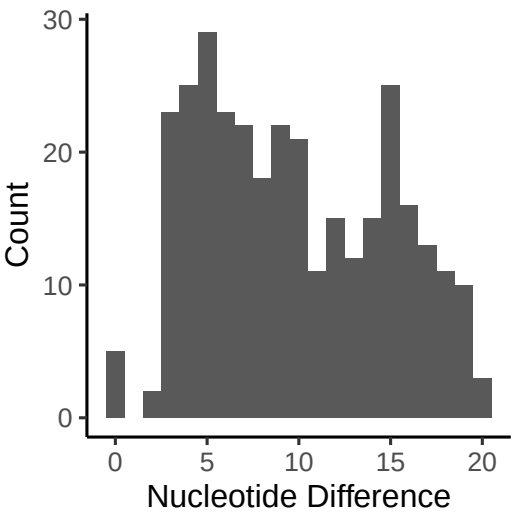

## IGHV4−59*02

105 sequences assigned
No exact matches.



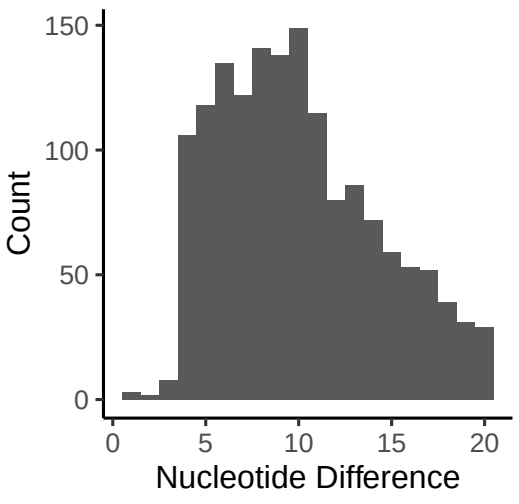

## IGHV4−31*02

405 sequences assigned
5 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



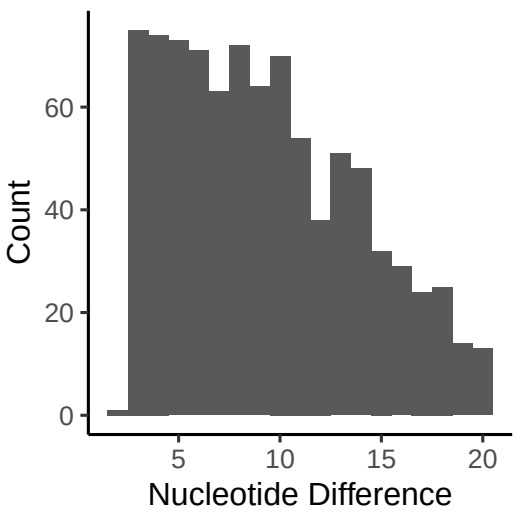

## IGHV4−39*02

1838 sequences assigned
No exact matches.



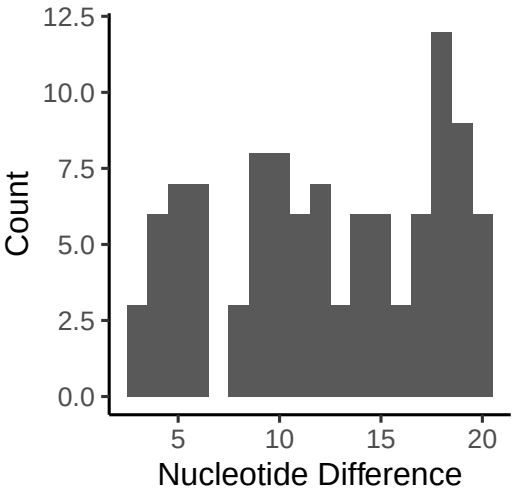

## IGHV4−59*01_07

1048 sequences assigned
No exact matches.



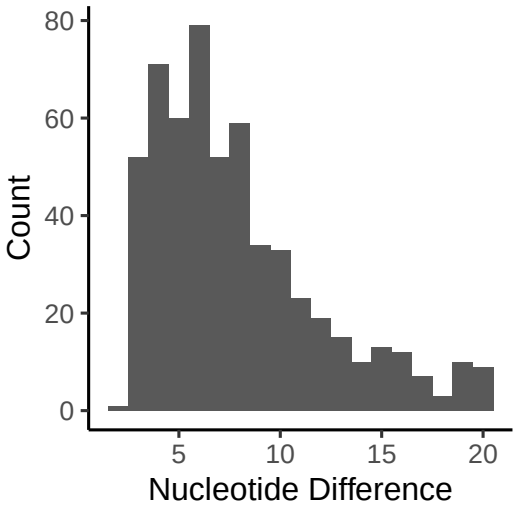
## IGHV4−59*11

132 sequences assigned
No exact matches.



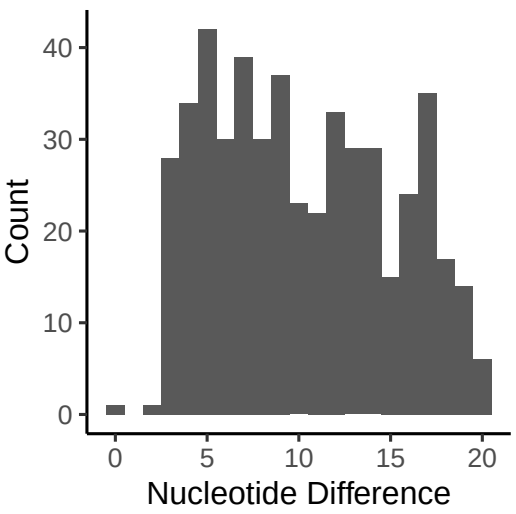

## IGHV5−51*01_03

601 sequences assigned
No exact matches.



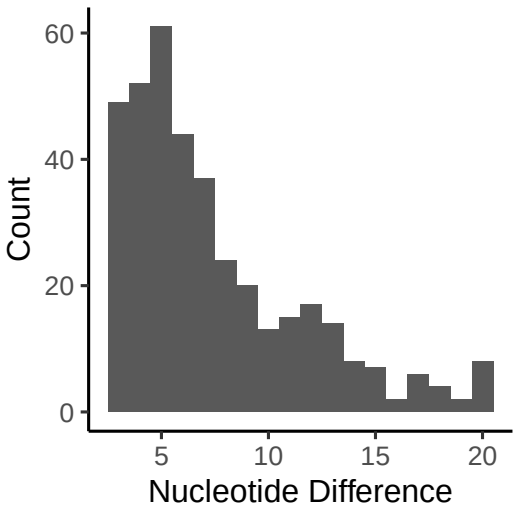

## IGHV4−61*01

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



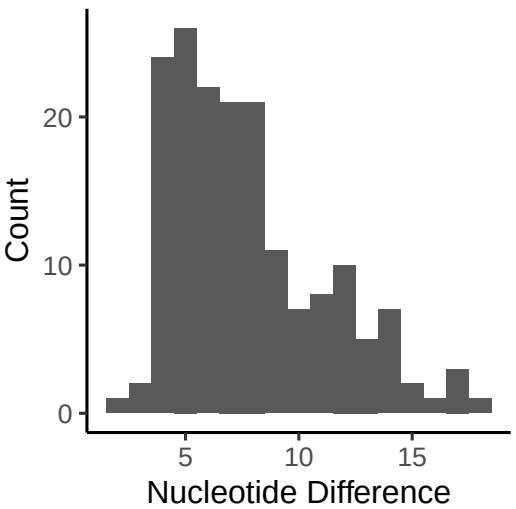

## IGHV6−1*01_02

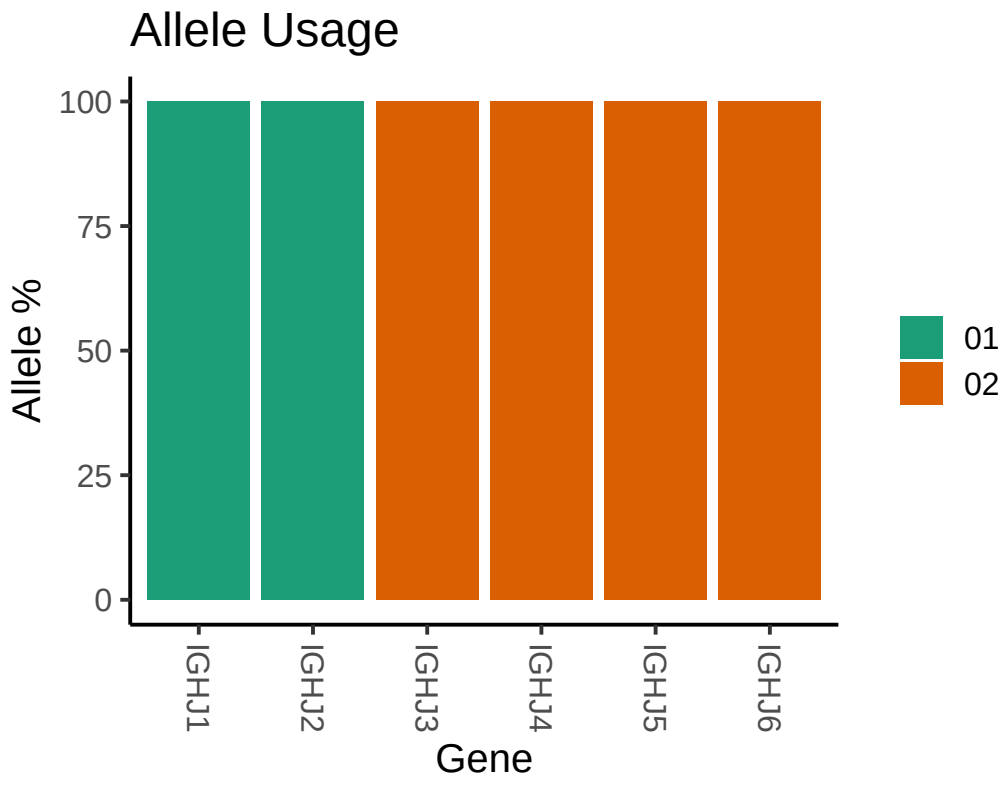
393 sequences assigned
No exact matches.




## IGHV5−51*07

176 sequences assigned
No exact matches.




Allele Usage
100
75
50
25
0
Allele %
IGHJ1
IGHJ2
IGHJ3
IGHJ4
IGHJ5
IGHJ6
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.