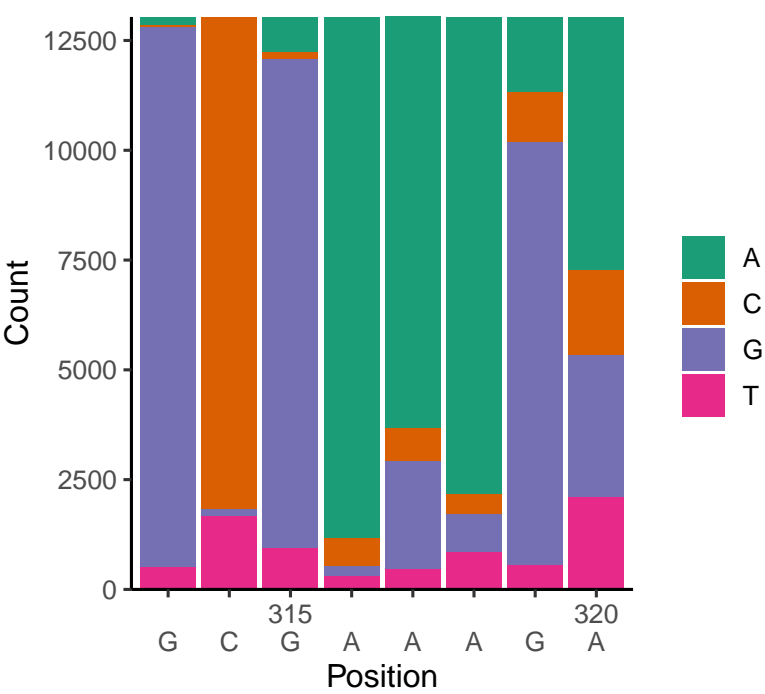


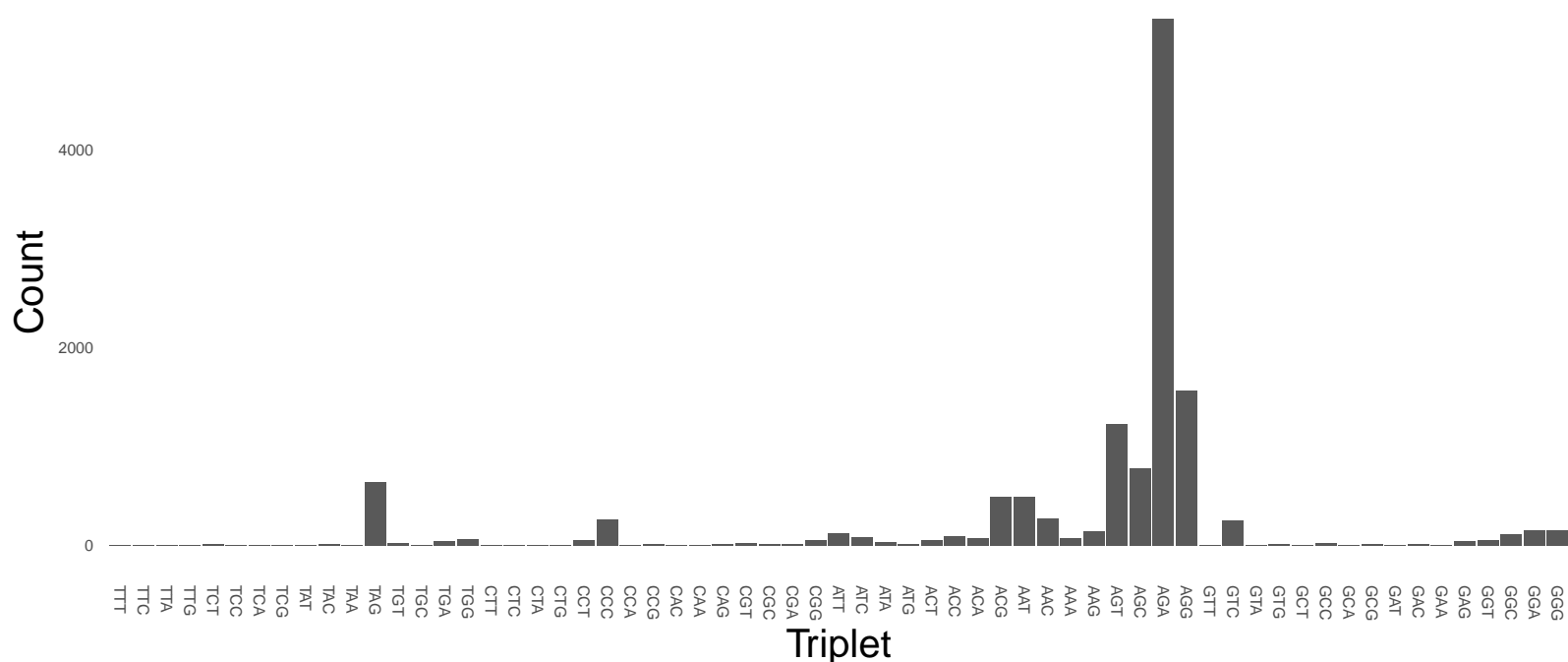
Gene IGHV3-30\*02\_T201C



Gene IGHV3-30\*02\_T201C

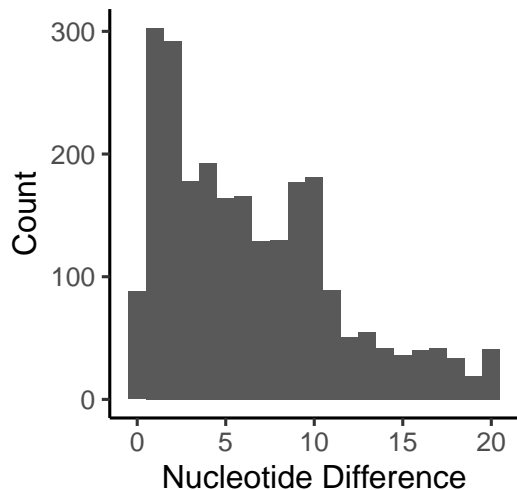


IGHV3-30\*02\_T201C- Final 3 nucleotides as a triplet



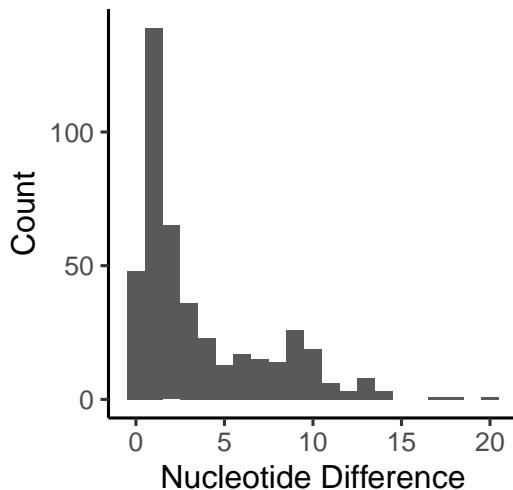
### IGHV1-2\*02

2718 sequences assigned  
88 (3.2%) exact matches, in which:  
67 unique CDR3  
7 unique J



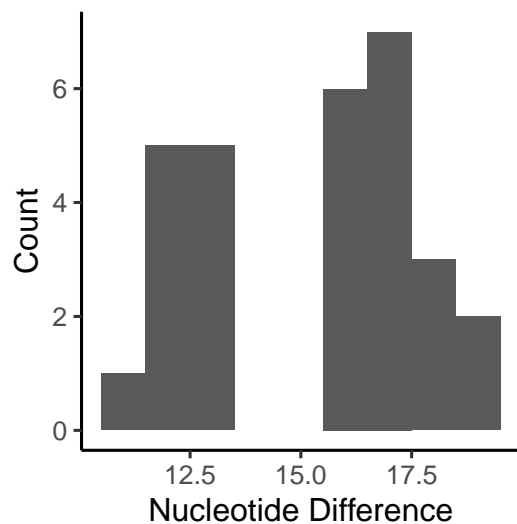
### IGHV1-8\*03

442 sequences assigned  
48 (10.9%) exact matches, in which:  
28 unique CDR3  
1 unique J



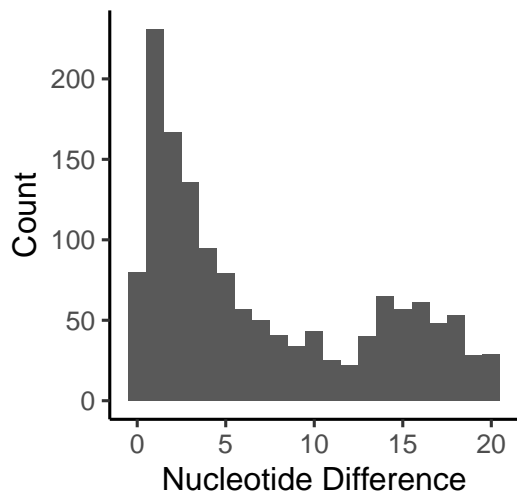
### IGHV1-45\*02

102 sequences assigned  
No exact matches.



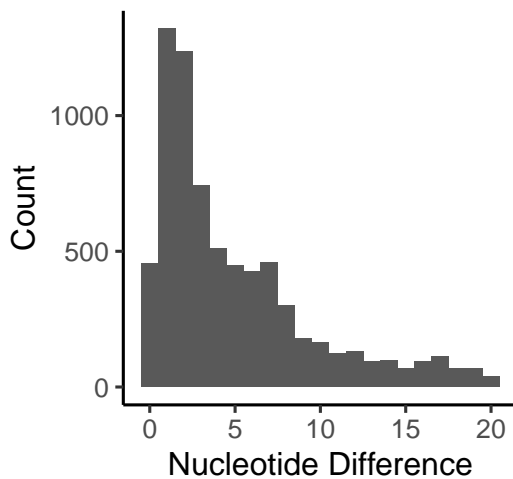
### IGHV1-3\*01\_05

1619 sequences assigned  
80 (4.9%) exact matches, in which:  
54 unique CDR3  
4 unique J



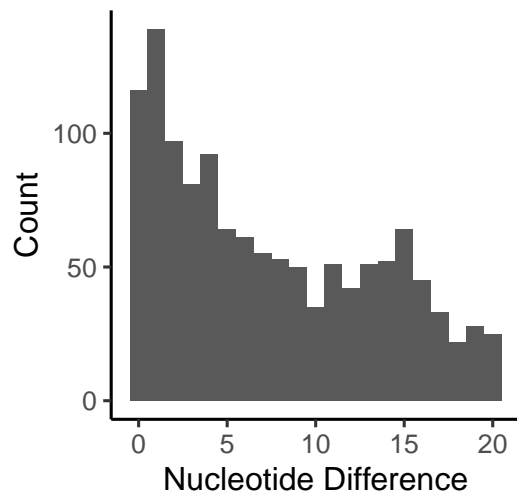
### IGHV1-18\*01

7615 sequences assigned  
455 (6%) exact matches, in which:  
309 unique CDR3  
7 unique J



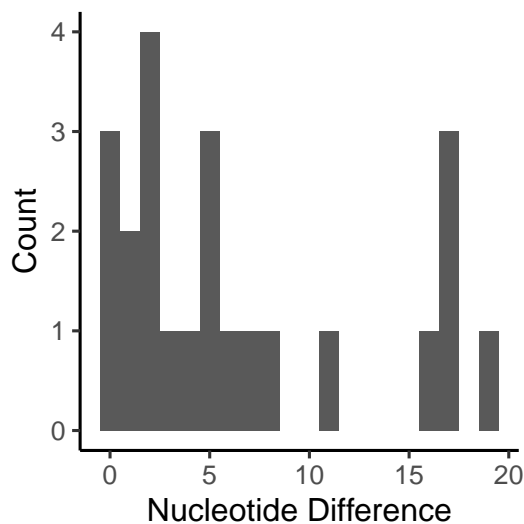
### IGHV1-46\*01

1529 sequences assigned  
116 (7.6%) exact matches, in which:  
98 unique CDR3  
7 unique J



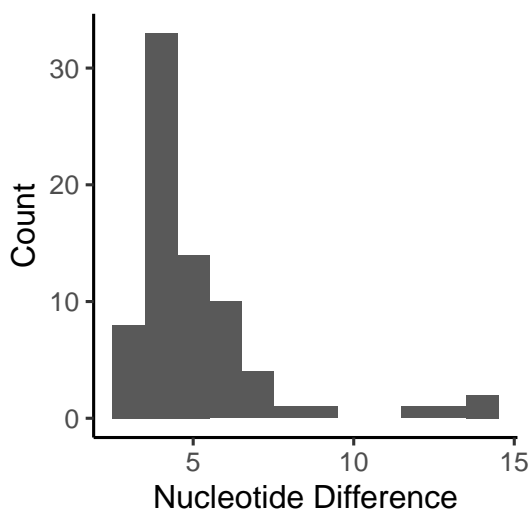
### IGHV1-8\*01

35 sequences assigned  
3 (8.6%) exact matches, in which:  
3 unique CDR3  
2 unique J



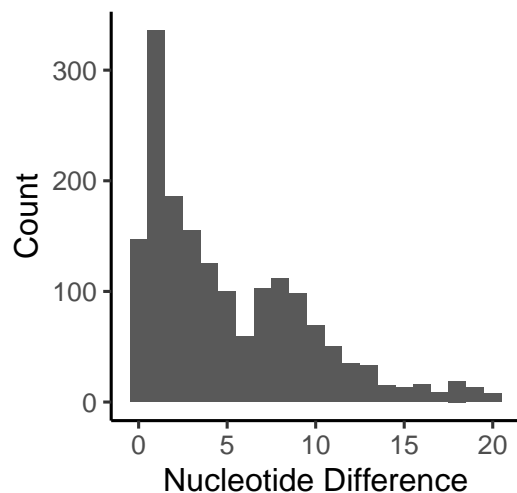
### IGHV1-24\*01

75 sequences assigned  
No exact matches.



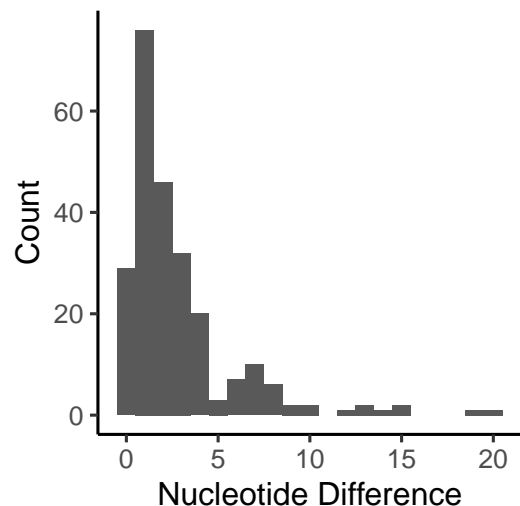
### IGHV1-46\*03

2049 sequences assigned  
147 (7.2%) exact matches, in which:  
83 unique CDR3  
6 unique J



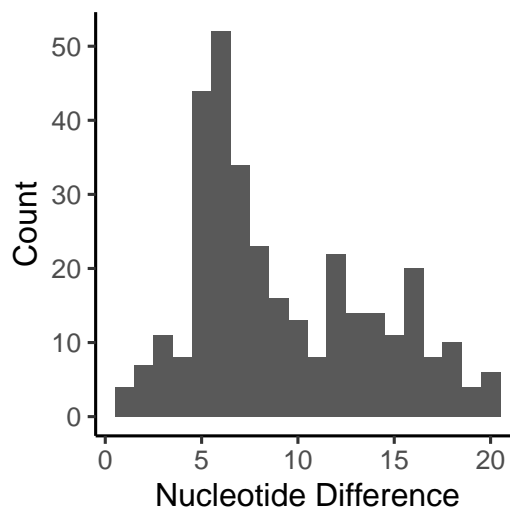
### IGHV1-58\*02

250 sequences assigned  
29 (11.6%) exact matches, in which:  
24 unique CDR3  
5 unique J



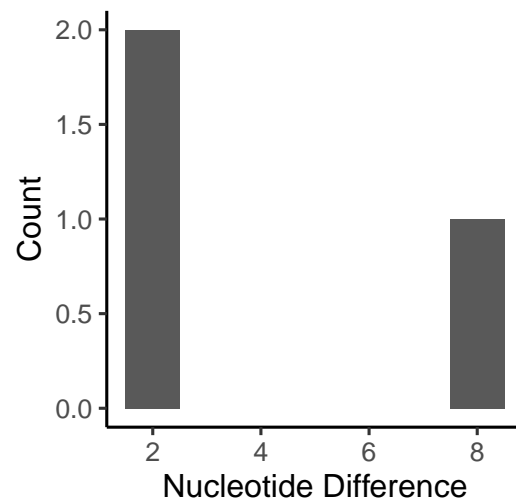
### IGHV1-69\*16

550 sequences assigned  
No exact matches.



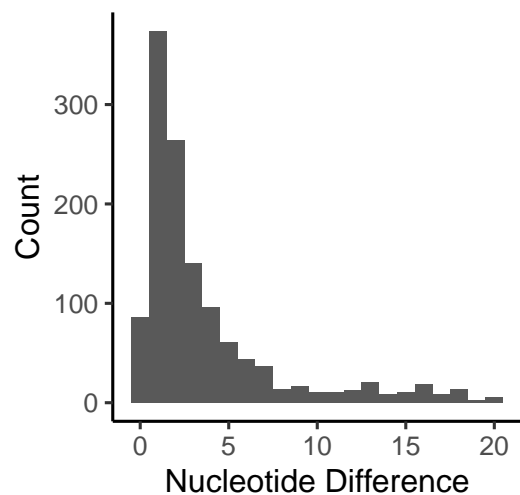
### IGHV2-70\*11\_15

3 sequences assigned  
No exact matches.



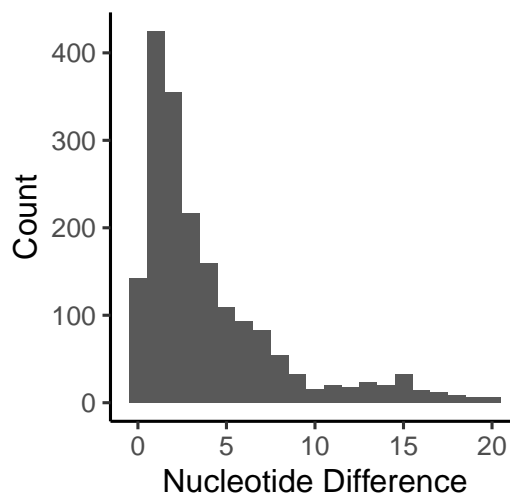
### IGHV1-69-2\*01

1424 sequences assigned  
86 (6%) exact matches, in which:  
46 unique CDR3  
4 unique J



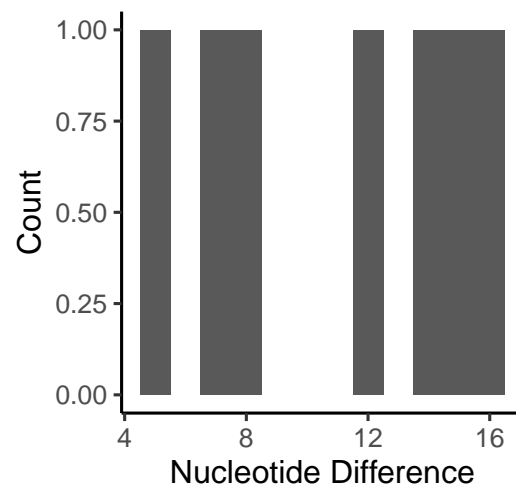
### IGHV1-69\*06\_14

1871 sequences assigned  
142 (7.6%) exact matches, in which:  
102 unique CDR3  
7 unique J



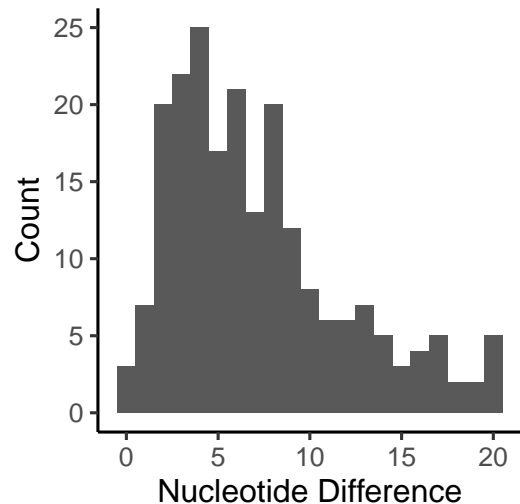
### IGHV2-70\*16\_17

7 sequences assigned  
No exact matches.



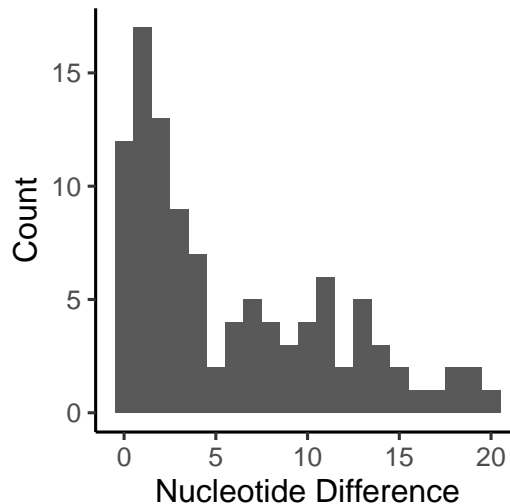
### IGHV1-69\*10

274 sequences assigned  
3 (1.1%) exact matches, in which:  
3 unique CDR3  
3 unique J



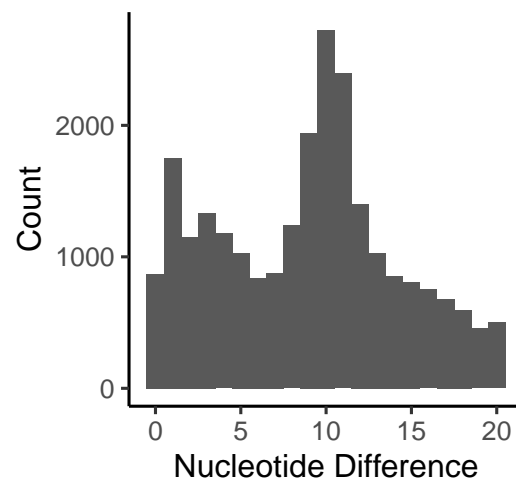
### IGHV2-5\*01

125 sequences assigned  
12 (9.6%) exact matches, in which:  
11 unique CDR3  
4 unique J



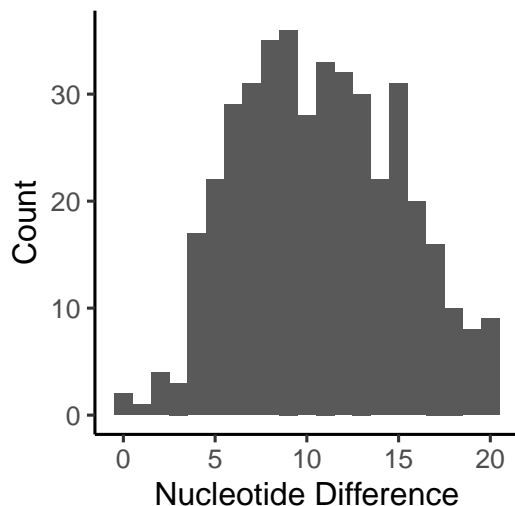
### IGHV3-7\*01

27625 sequences assigned  
871 (3.2%) exact matches, in which:  
564 unique CDR3  
7 unique J



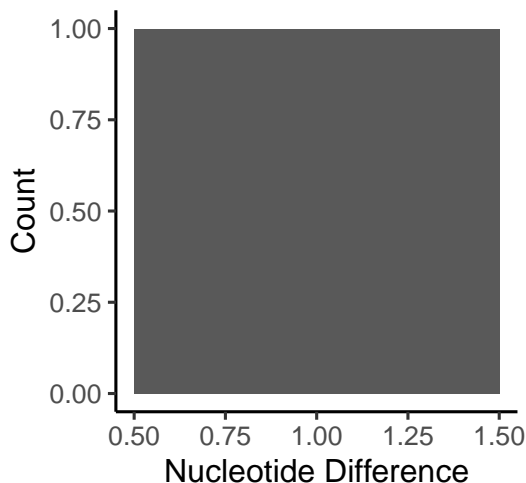
### IGHV3-9\*01

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



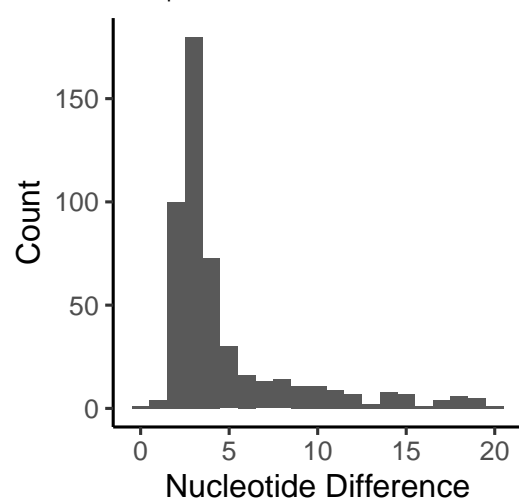
### IGHV3-13\*01

1 sequences assigned  
No exact matches.



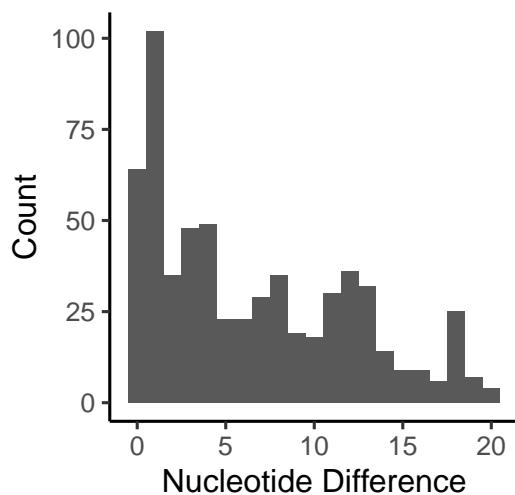
### IGHV3-20\*03\_04

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



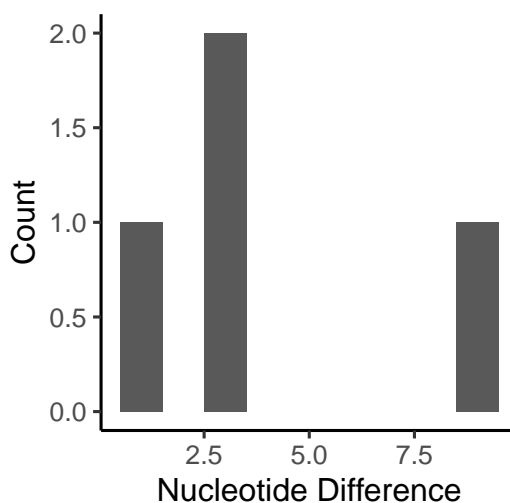
### IGHV3-9\*03

663 sequences assigned  
64 (9.7%) exact matches, in which:  
41 unique CDR3  
4 unique J



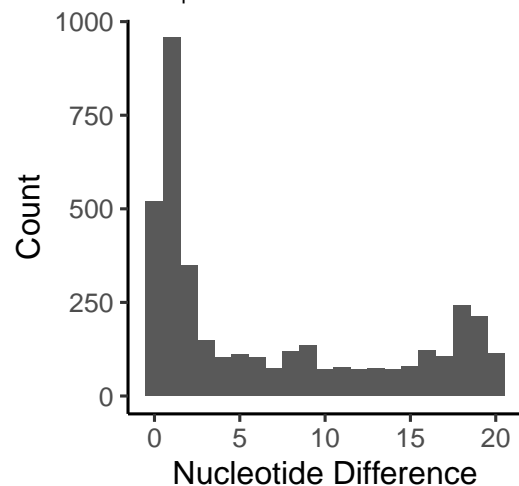
### IGHV3-13\*03

4 sequences assigned  
No exact matches.



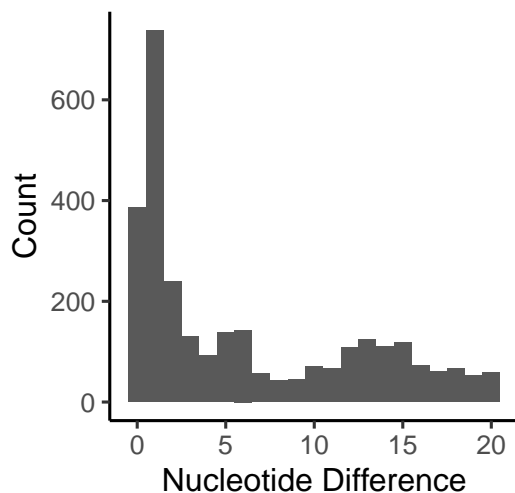
### IGHV3-21\*01\_02

4253 sequences assigned  
520 (12.2%) exact matches, in which:  
312 unique CDR3  
7 unique J



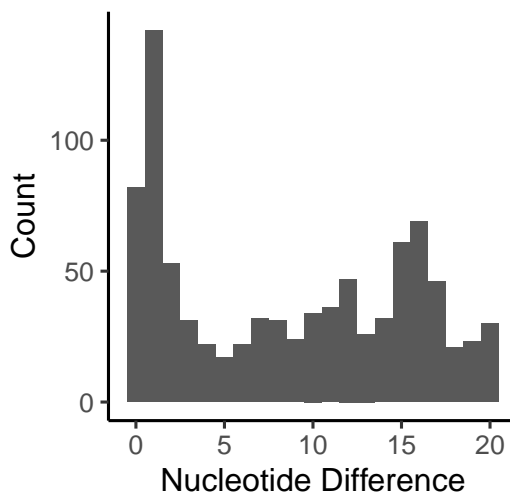
### IGHV3-11\*04

3861 sequences assigned  
387 (10%) exact matches, in which:  
241 unique CDR3  
7 unique J



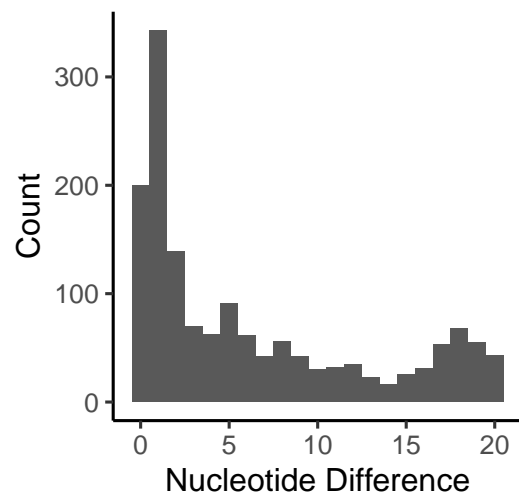
### IGHV3-15\*01\_02

1189 sequences assigned  
82 (6.9%) exact matches, in which:  
56 unique CDR3  
4 unique J



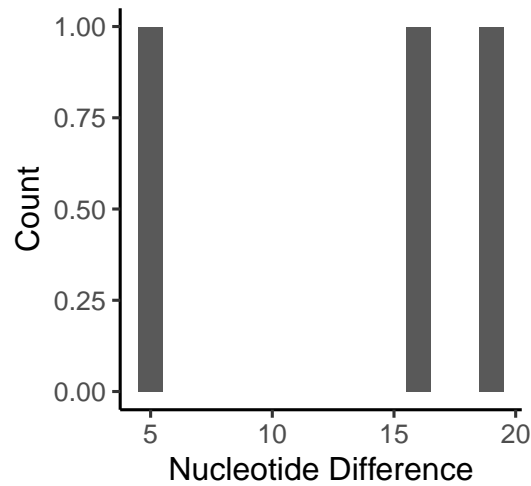
### IGHV3-23\*03

2013 sequences assigned  
200 (9.9%) exact matches, in which:  
122 unique CDR3  
7 unique J



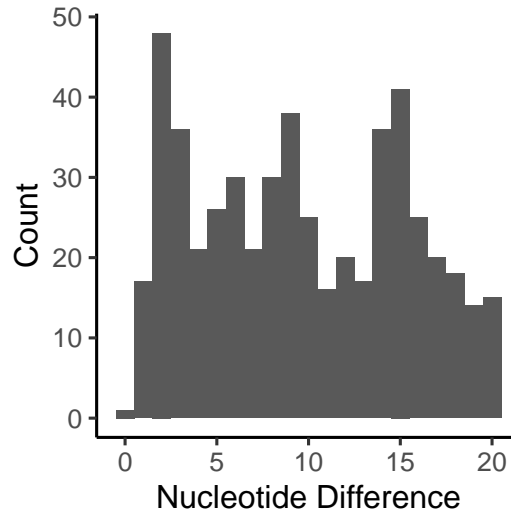
### IGHV3-30-3\*01

10 sequences assigned  
No exact matches.



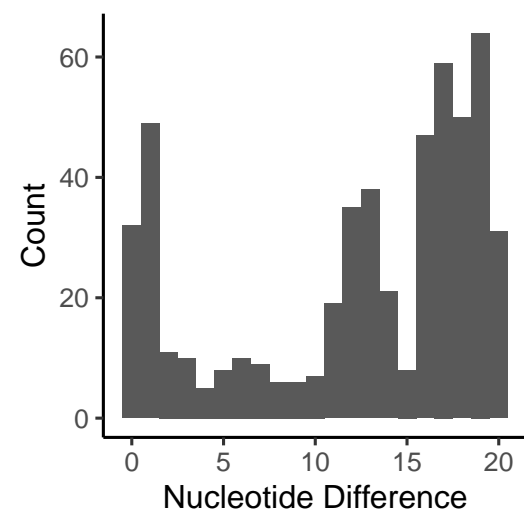
### IGHV3-33\*01

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



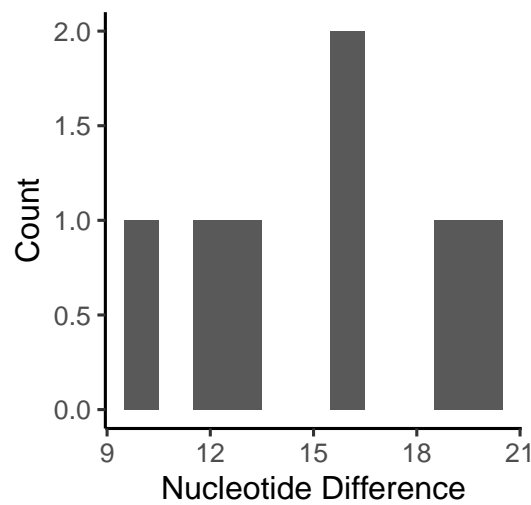
### IGHV3-43\*01

1035 sequences assigned  
32 (3.1%) exact matches, in which:  
18 unique CDR3  
3 unique J



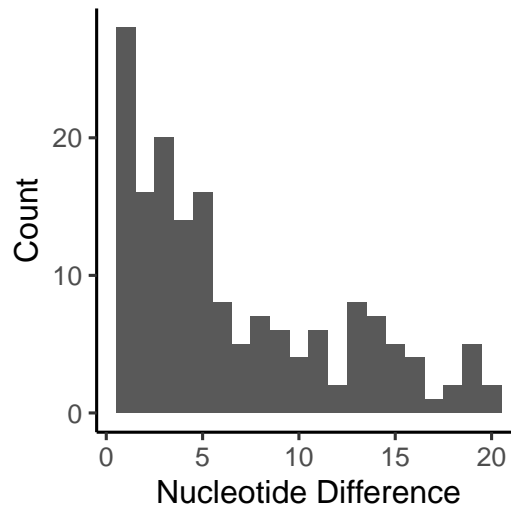
### IGHV3-30-3\*03

19 sequences assigned  
No exact matches.



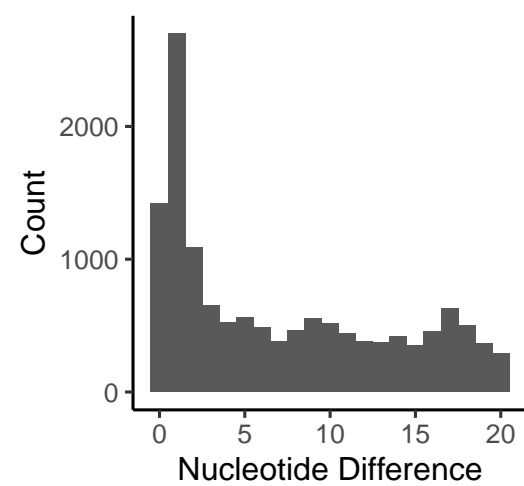
### IGHV3-33\*06

186 sequences assigned  
No exact matches.



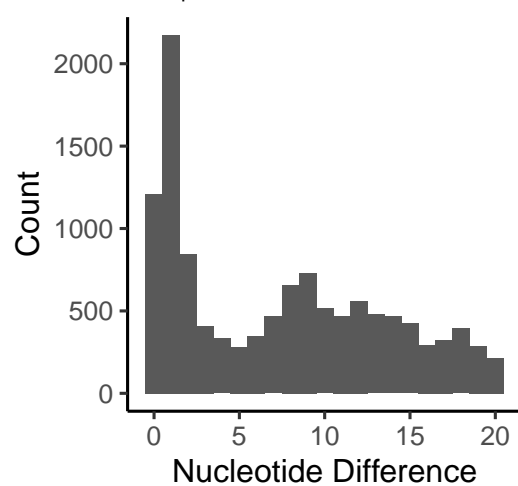
### IGHV3-48\*01

15576 sequences assigned  
1416 (9.1%) exact matches, in which:  
843 unique CDR3  
7 unique J



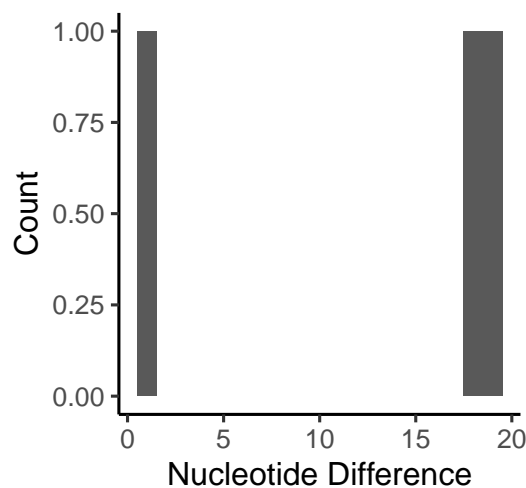
### IGHV3-30\*02\_T201C

13036 sequences assigned  
1210 (9.3%) exact matches, in which:  
730 unique CDR3  
7 unique J



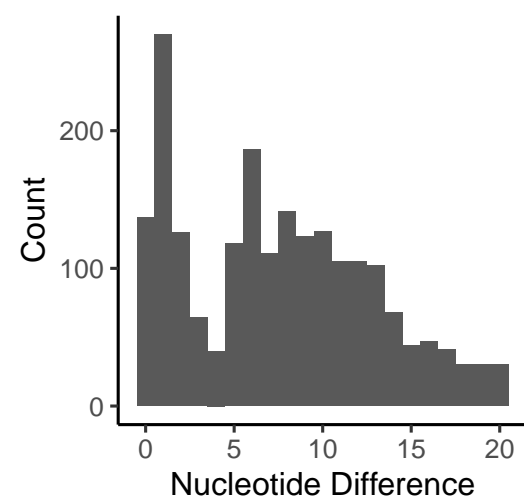
### IGHV3-38-3\*01

15 sequences assigned  
No exact matches.



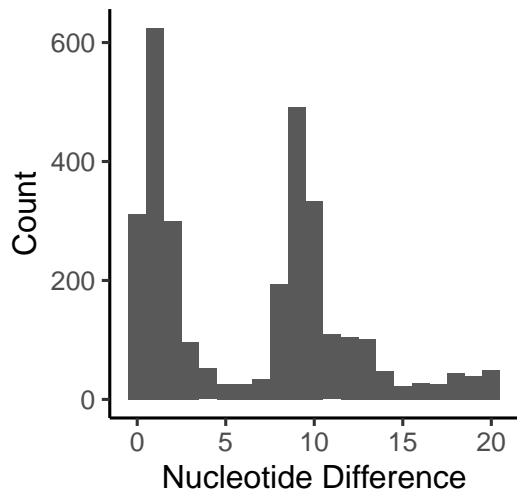
### IGHV3-49\*04

2227 sequences assigned  
137 (6.2%) exact matches, in which:  
91 unique CDR3  
5 unique J



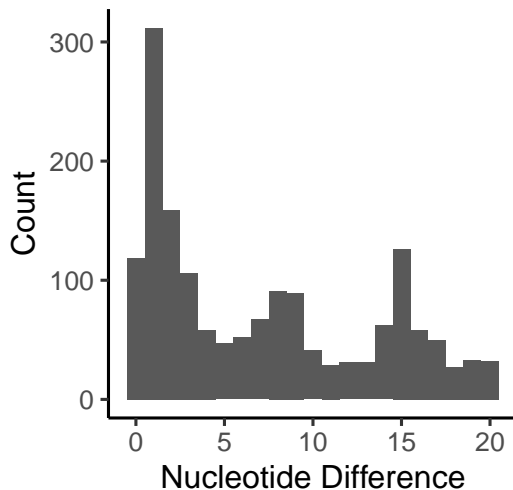
### IGHV3-49\*03\_05

3616 sequences assigned  
312 (8.6%) exact matches, in which:  
216 unique CDR3  
7 unique J



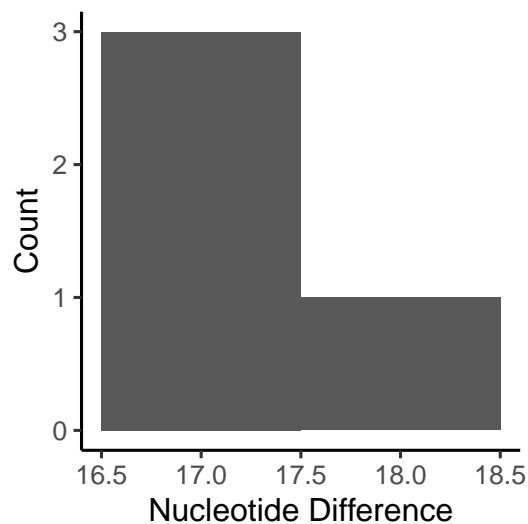
### IGHV3-53\*01\_02

1808 sequences assigned  
119 (6.6%) exact matches, in which:  
69 unique CDR3  
2 unique J



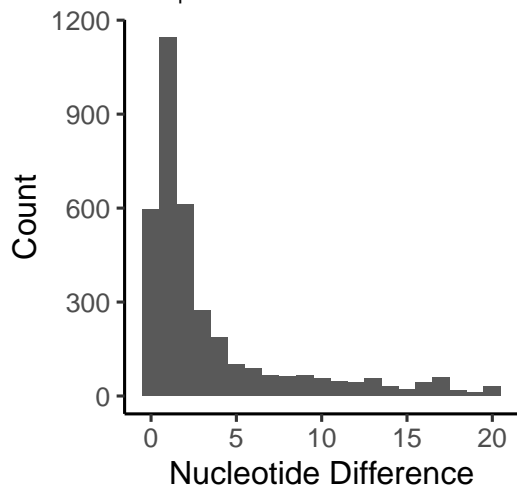
### IGHV3-64\*02\_07

51 sequences assigned  
No exact matches.



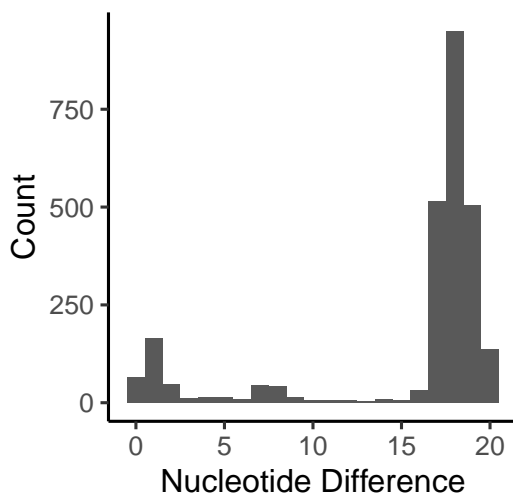
### IGHV3-53\*04

3676 sequences assigned  
595 (16.2%) exact matches, in which:  
377 unique CDR3  
7 unique J



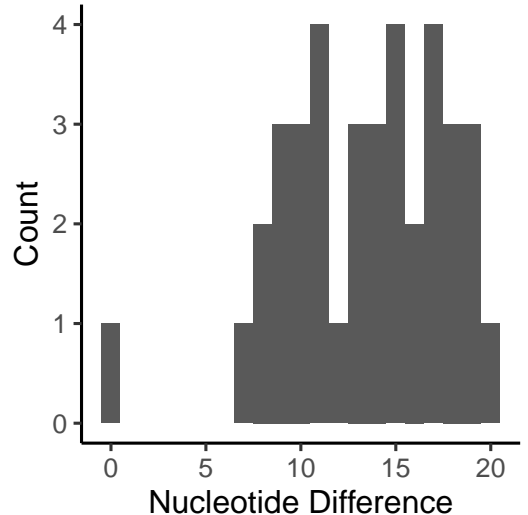
### IGHV3-64\*01

2844 sequences assigned  
66 (2.3%) exact matches, in which:  
50 unique CDR3  
4 unique J



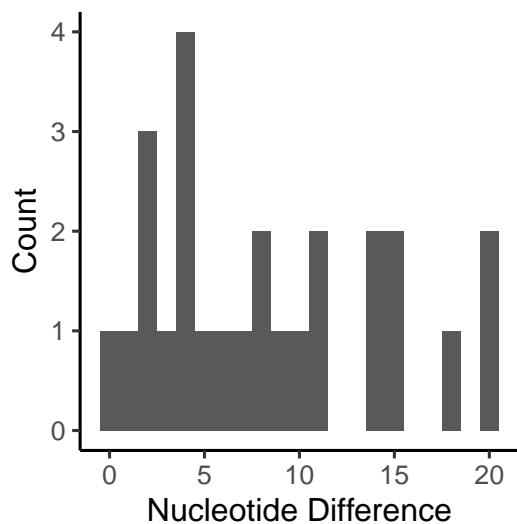
### IGHV3-66\*01

48 sequences assigned  
1 (2.1%) exact matches, in which:  
1 unique CDR3  
1 unique J



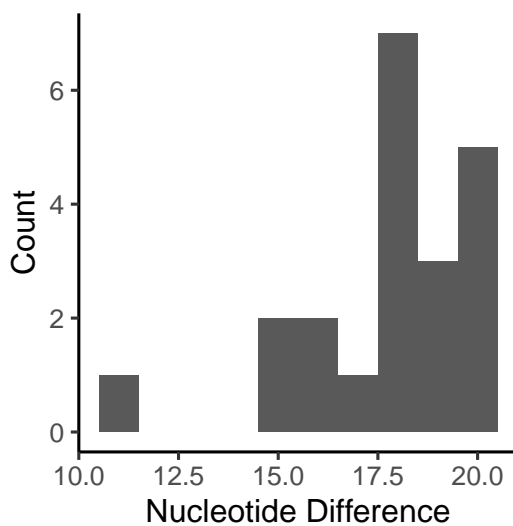
### IGHV3-53\*05

43 sequences assigned  
1 (2.3%) exact matches, in which:  
1 unique CDR3  
0 unique J



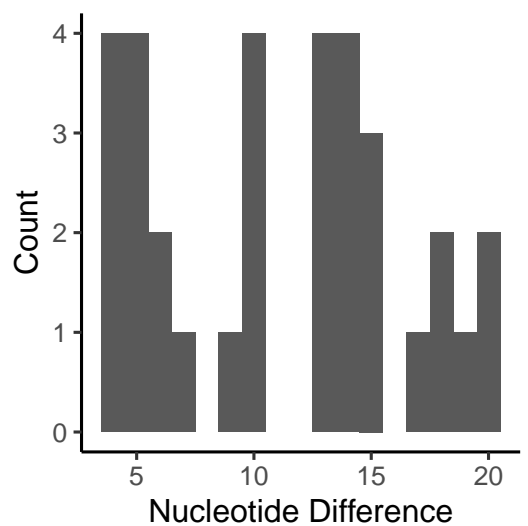
### IGHV3-64\*04

27 sequences assigned  
No exact matches.



### IGHV3-66\*02

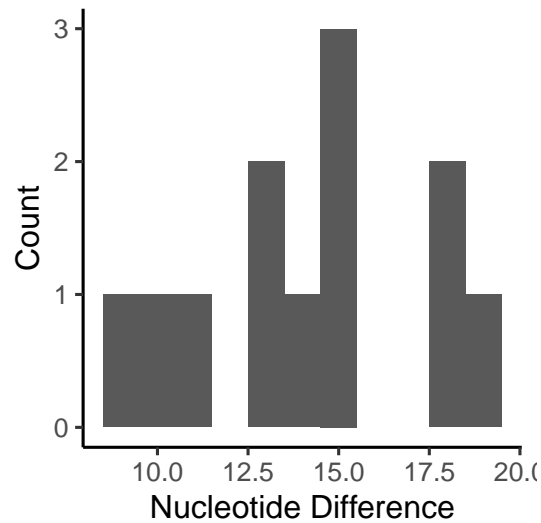
34 sequences assigned  
No exact matches.





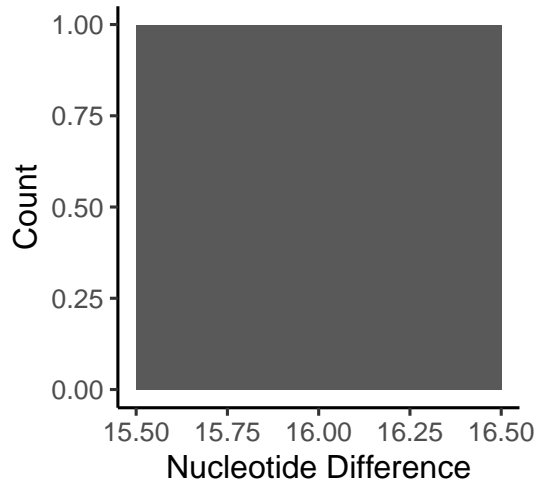
### IGHV3-66\*03

13 sequences assigned  
No exact matches.



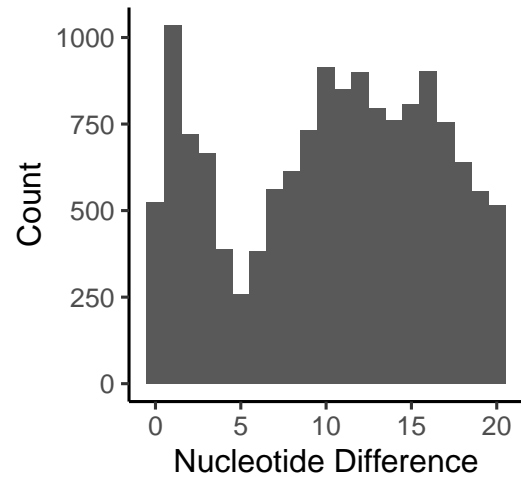
### IGHV3-71\*01\_04

5 sequences assigned  
No exact matches.



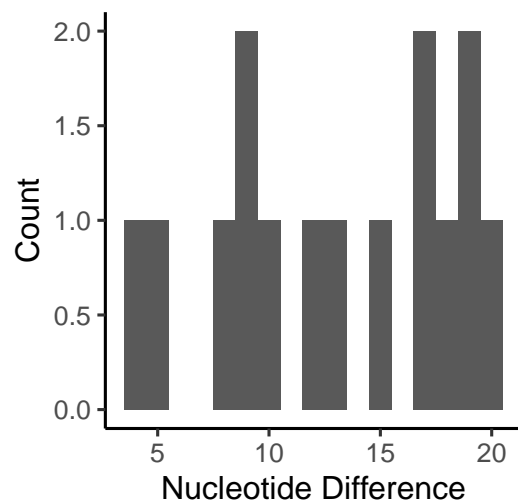
### IGHV3-74\*01\_02

16610 sequences assigned  
524 (3.2%) exact matches, in which:  
330 unique CDR3  
6 unique J



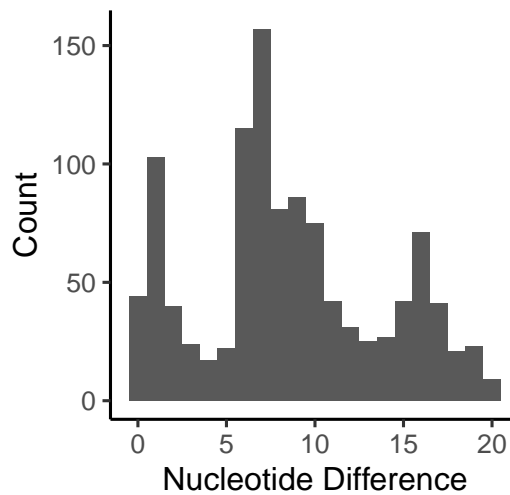
### IGHV3-69-1\*01

26 sequences assigned  
No exact matches.



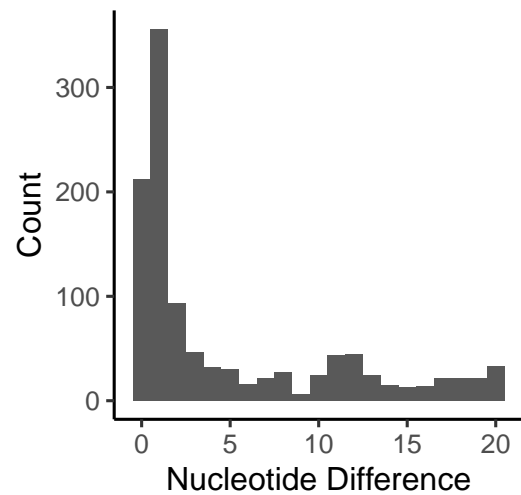
### IGHV3-72\*01

1277 sequences assigned  
44 (3.4%) exact matches, in which:  
29 unique CDR3  
5 unique J



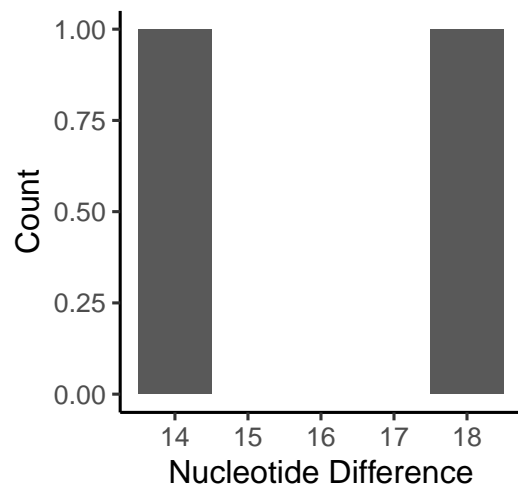
### IGHV3-43D\*04

1140 sequences assigned  
212 (18.6%) exact matches, in which:  
117 unique CDR3  
3 unique J



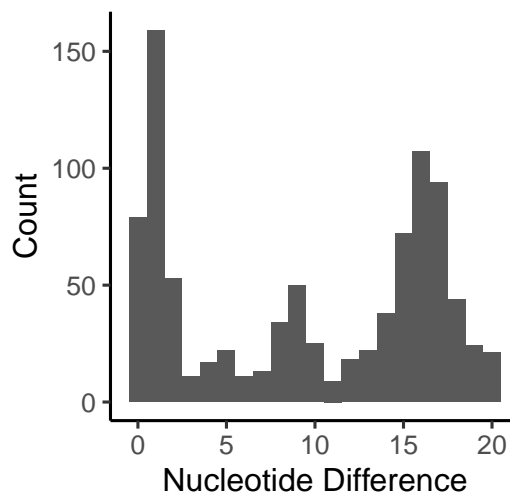
### IGHV3-69-1\*02

38 sequences assigned  
No exact matches.



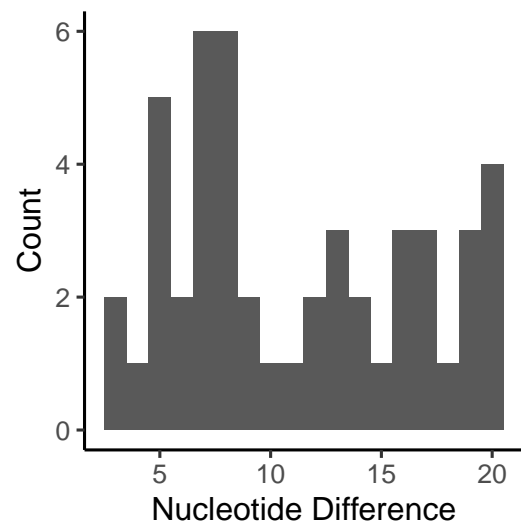
### IGHV3-73\*01\_02

1110 sequences assigned  
79 (7.1%) exact matches, in which:  
52 unique CDR3  
5 unique J



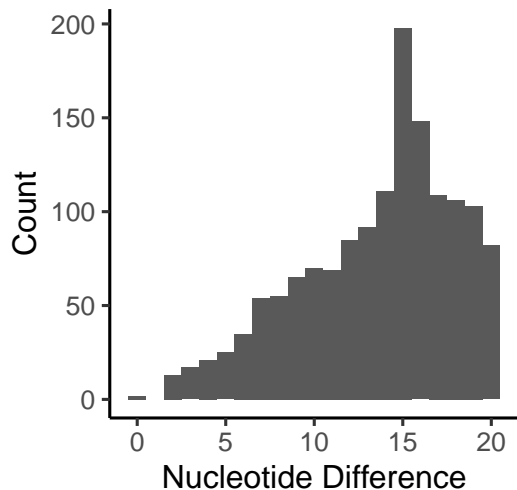
### IGHV3-NL1\*01

80 sequences assigned  
No exact matches.



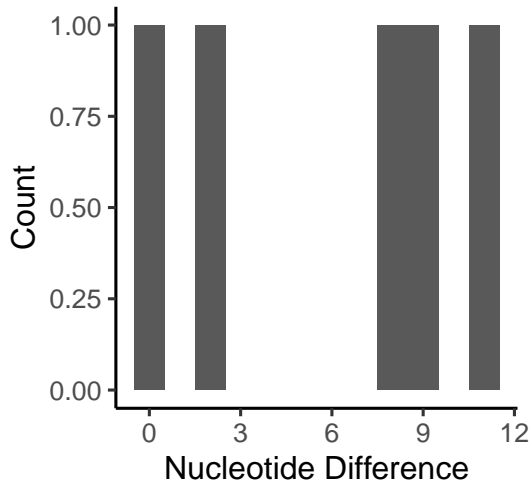
### IGHV4-4\*07

2063 sequences assigned  
2 (0.1%) exact matches, in which:  
2 unique CDR3  
1 unique J



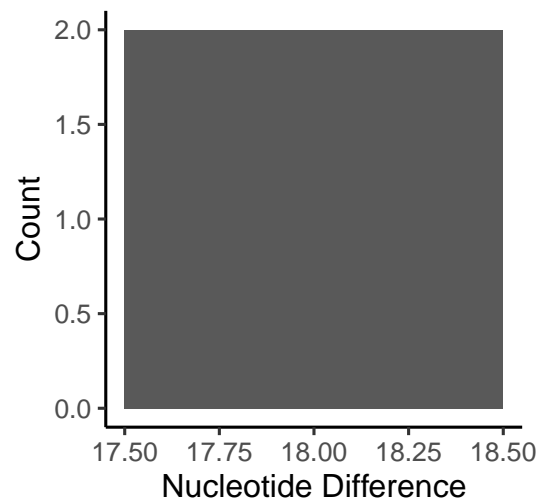
### IGHV4-30-2\*01

10 sequences assigned  
1 (10%) exact matches, in which:  
1 unique CDR3  
1 unique J



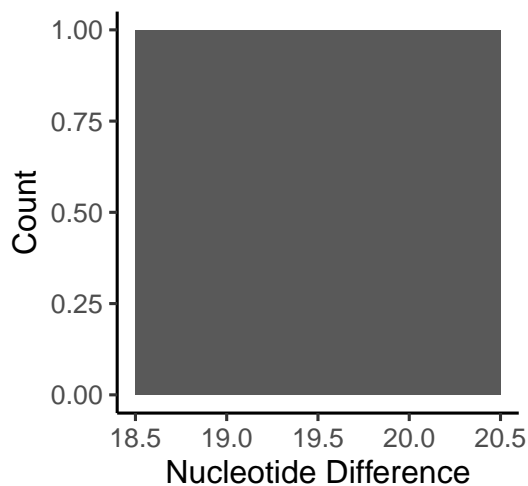
### IGHV4-30-2\*04

3 sequences assigned  
No exact matches.



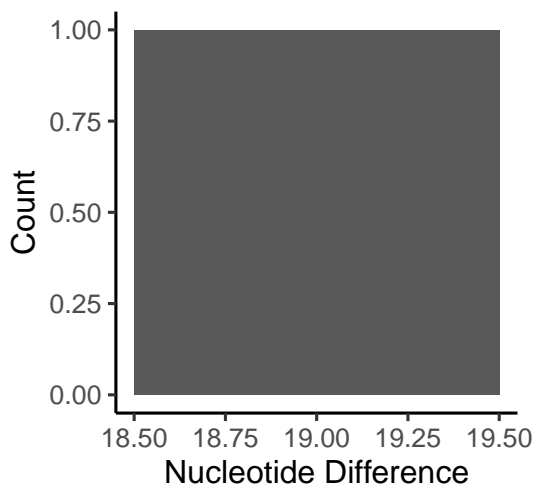
### IGHV4-28\*03

26 sequences assigned  
No exact matches.



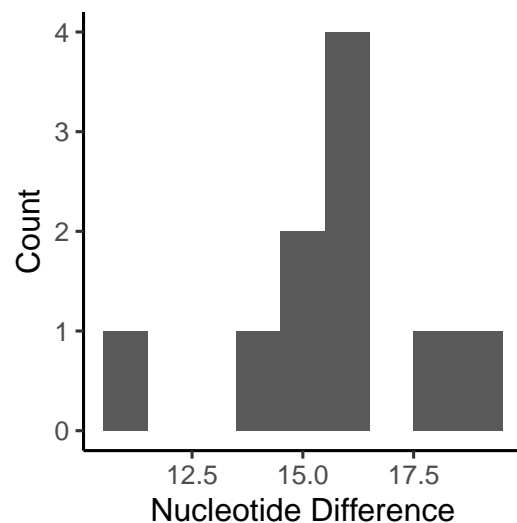
### IGHV4-30-4\*01

2 sequences assigned  
No exact matches.



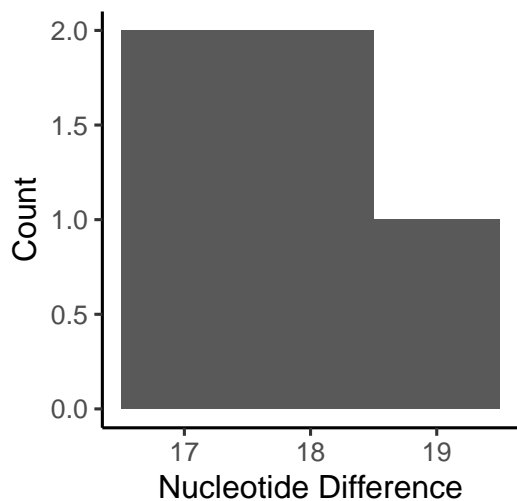
### IGHV4-30-4\*08

13 sequences assigned  
No exact matches.



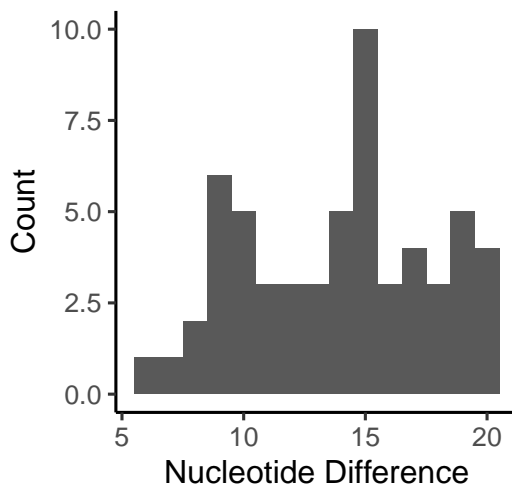
### IGHV4-28\*06

5 sequences assigned  
No exact matches.



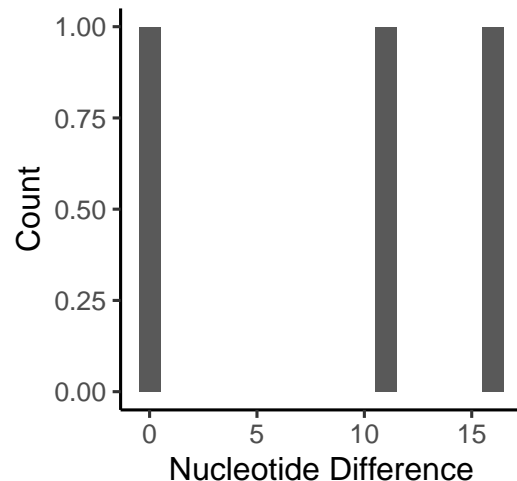
### IGHV4-30-2\*03

86 sequences assigned  
No exact matches.



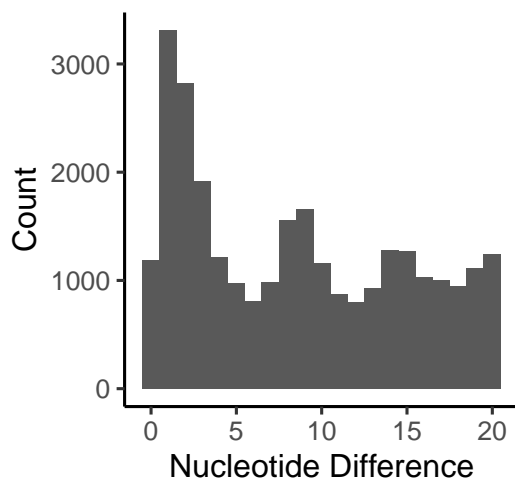
### IGHV4-31\*03\_04

3 sequences assigned  
1 (33.3%) exact matches, in which:  
1 unique CDR3  
1 unique J



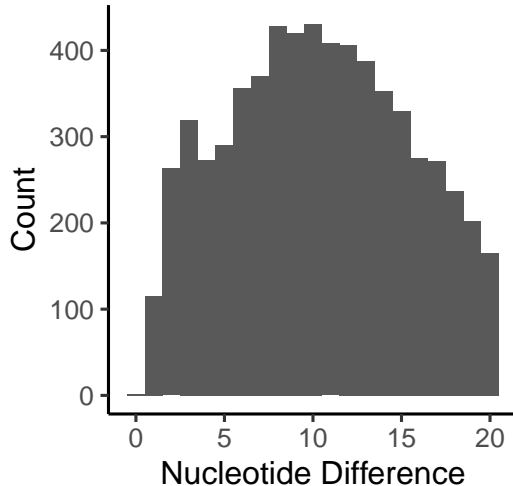
### IGHV4-34\*01\_02

34261 sequences assigned  
1191 (3.5%) exact matches, in which:  
671 unique CDR3  
7 unique J



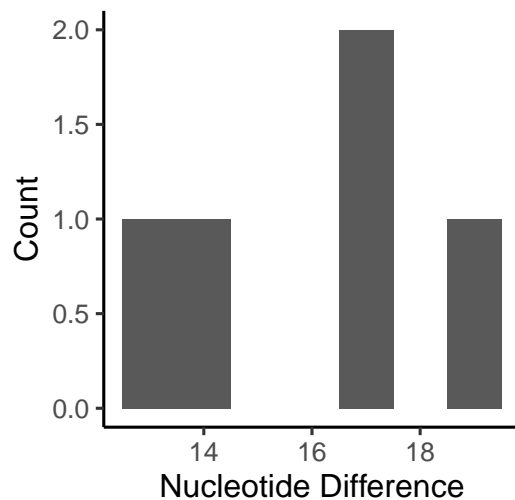
### IGHV4-39\*07

7162 sequences assigned  
2 (0%) exact matches, in which:  
2 unique CDR3  
1 unique J



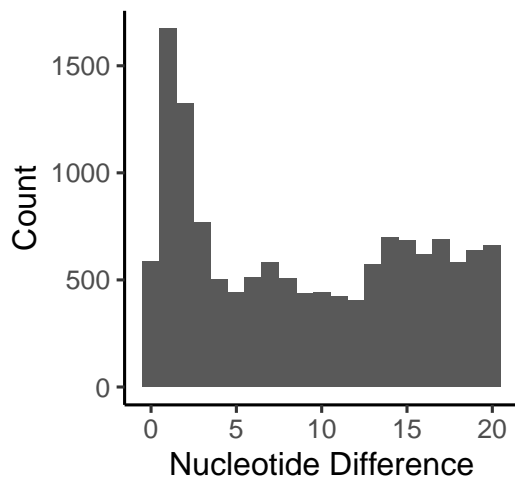
### IGHV4-55\*02\_04\_08

6 sequences assigned  
No exact matches.



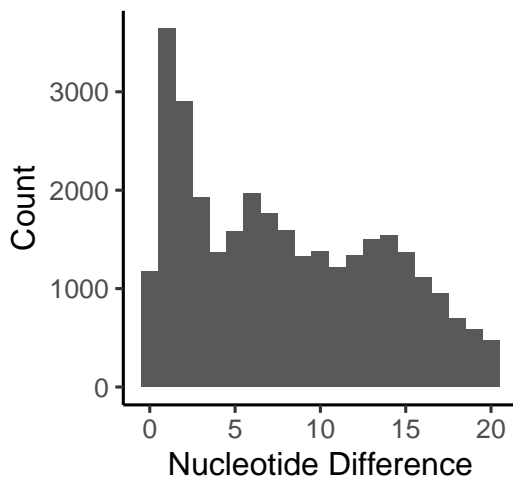
### IGHV4-38-2\*01

18669 sequences assigned  
588 (3.1%) exact matches, in which:  
354 unique CDR3  
7 unique J



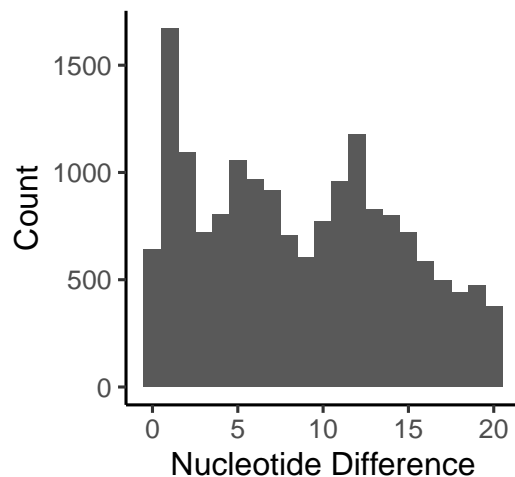
### IGHV4-39\*01\_05

34539 sequences assigned  
1175 (3.4%) exact matches, in which:  
666 unique CDR3  
7 unique J



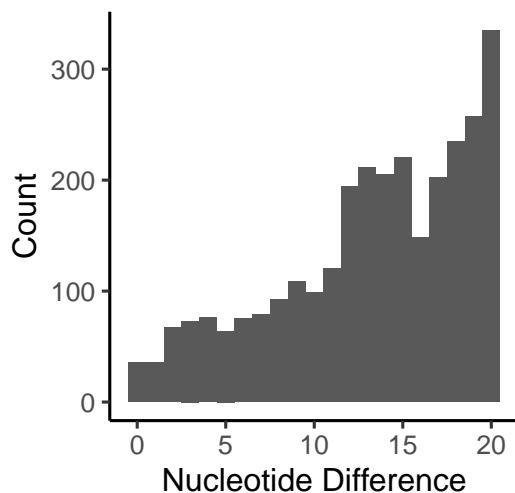
### IGHV4-59\*08

18997 sequences assigned  
639 (3.4%) exact matches, in which:  
408 unique CDR3  
7 unique J



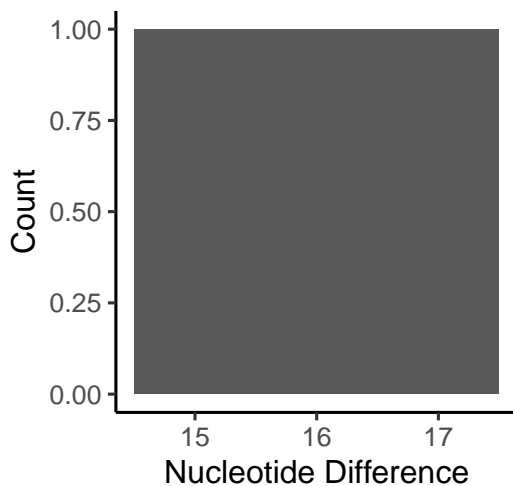
### IGHV4-38-2\*02

4809 sequences assigned  
36 (0.7%) exact matches, in which:  
28 unique CDR3  
6 unique J



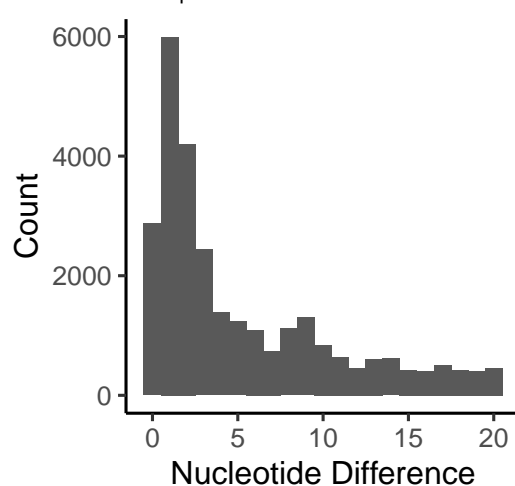
### IGHV4-55\*09

3 sequences assigned  
No exact matches.



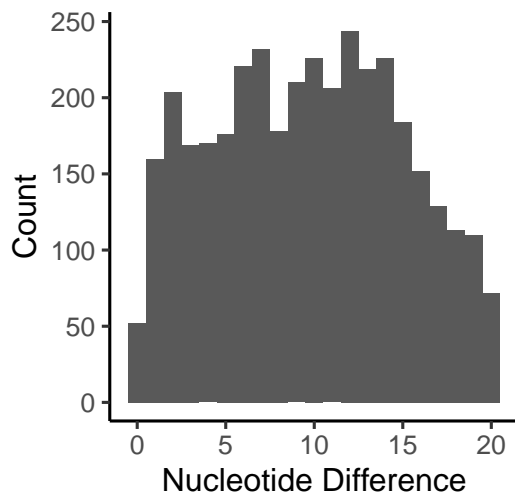
### IGHV4-59\*01\_07

29778 sequences assigned  
2876 (9.7%) exact matches, in which:  
1507 unique CDR3  
7 unique J



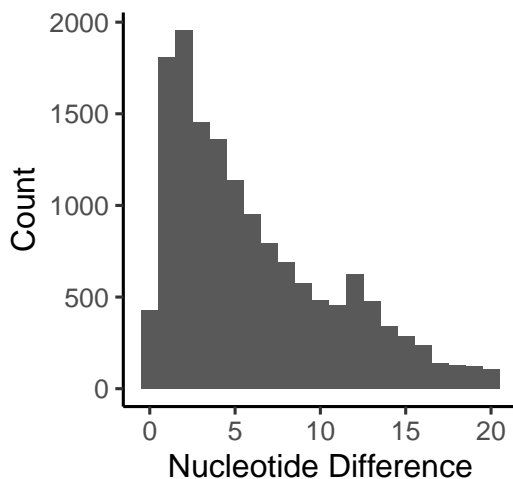
### IGHV4–59\*12

4128 sequences assigned  
52 (1.3%) exact matches, in which:  
40 unique CDR3  
6 unique J



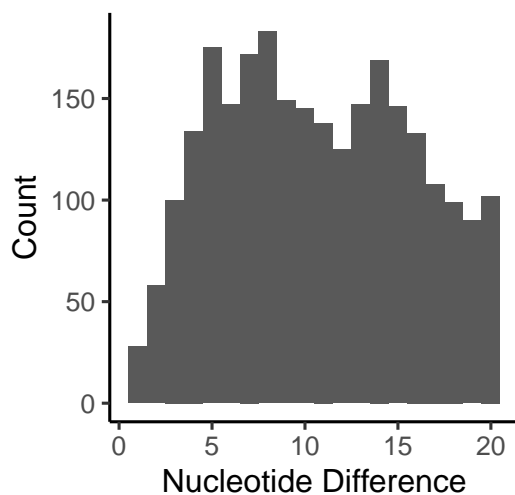
### IGHV5–51\*01\_03

15253 sequences assigned  
431 (2.8%) exact matches, in which:  
240 unique CDR3  
7 unique J



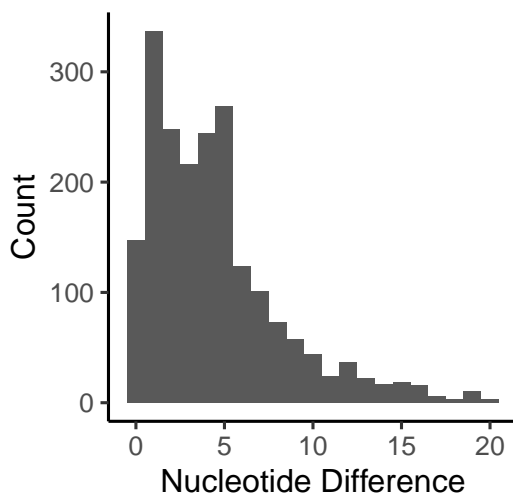
### IGHV4–61\*01

3235 sequences assigned  
No exact matches.



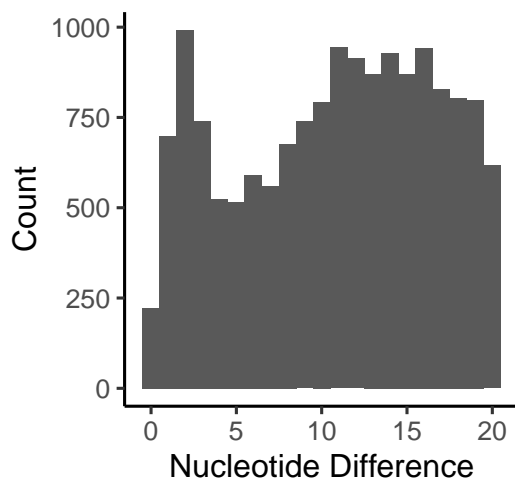
### IGHV6–1\*01\_02

2974 sequences assigned  
147 (4.9%) exact matches, in which:  
96 unique CDR3  
7 unique J



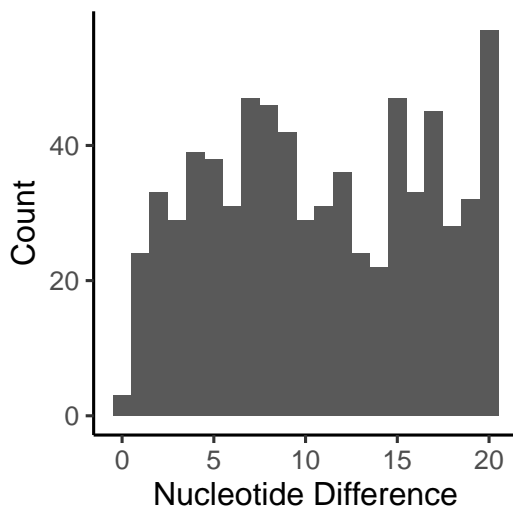
### IGHV4–61\*02

16858 sequences assigned  
223 (1.3%) exact matches, in which:  
142 unique CDR3  
7 unique J

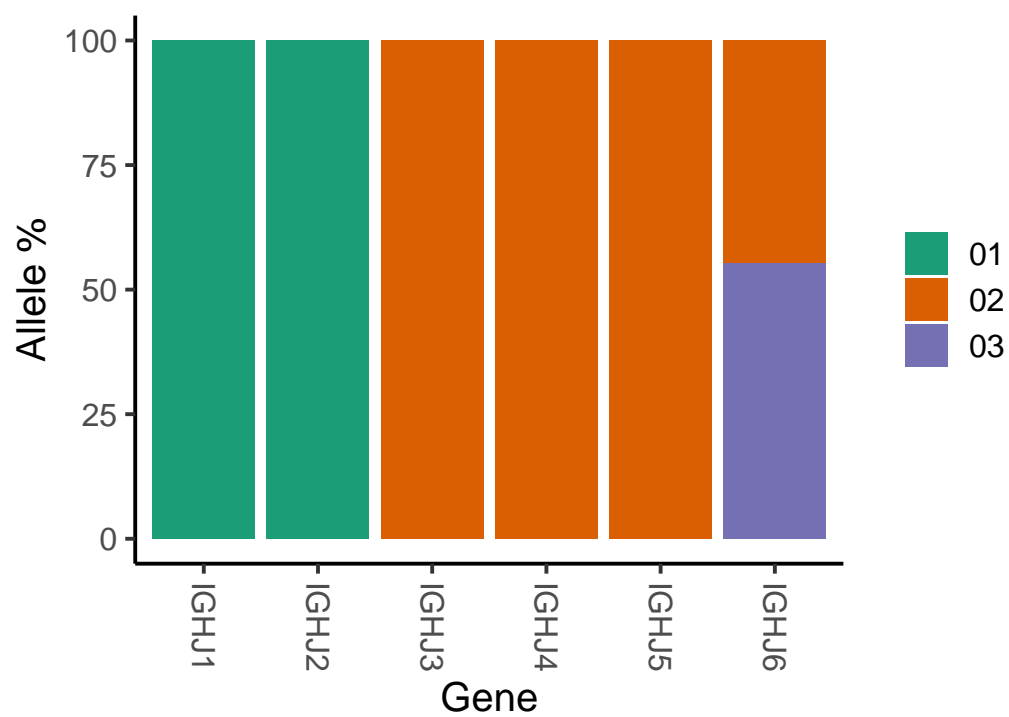


### IGHV7–4–1\*02

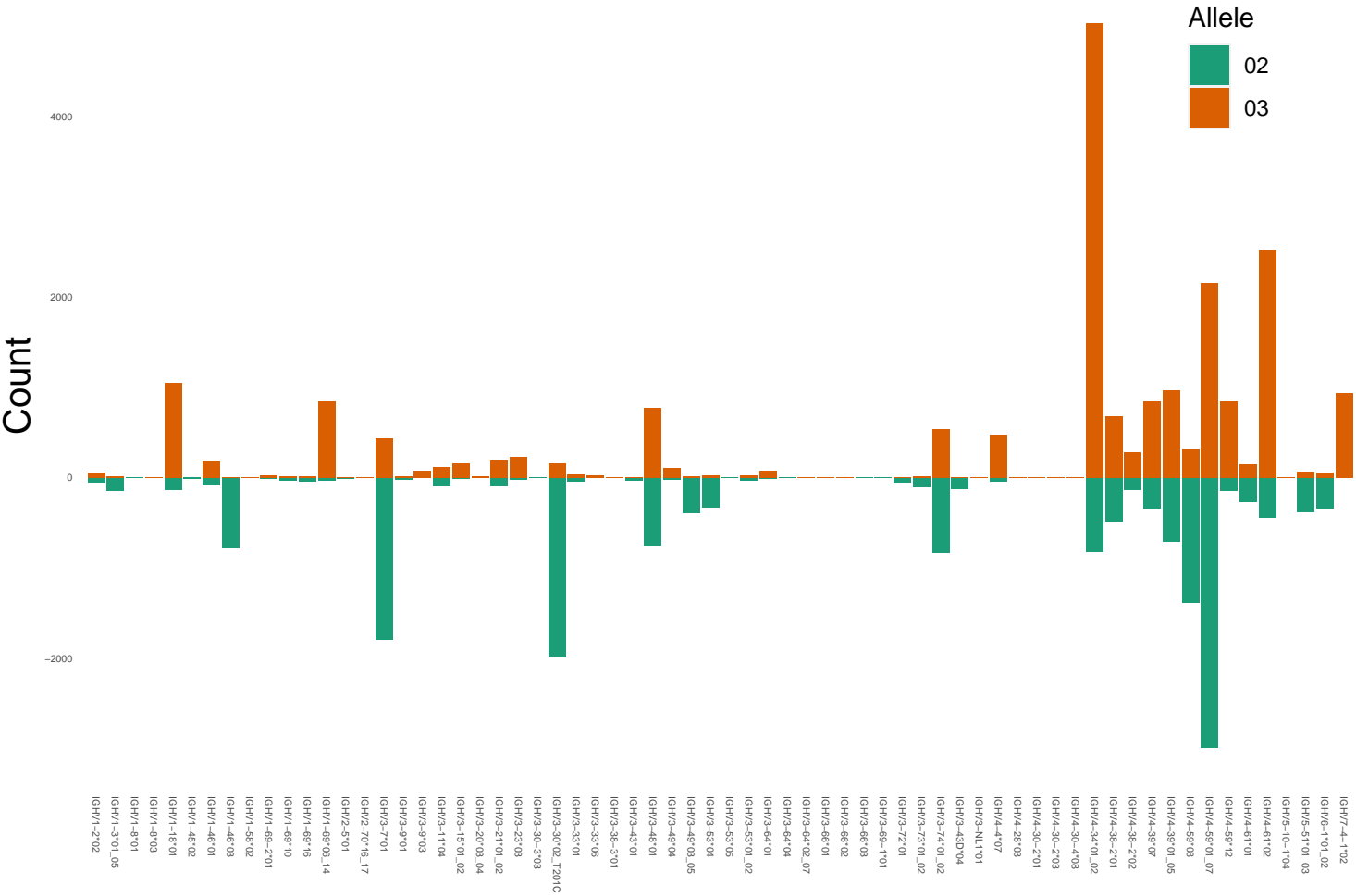
1843 sequences assigned  
3 (0.2%) exact matches, in which:  
3 unique CDR3  
3 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.

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

Warning – no inferred sequences found.

Warning – no inferred sequences found.

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

Warning – no inferred sequences found.

Novel sequence(s)IGHV3–30\*02\_T201C are not listed in the genotype and will be ignored.