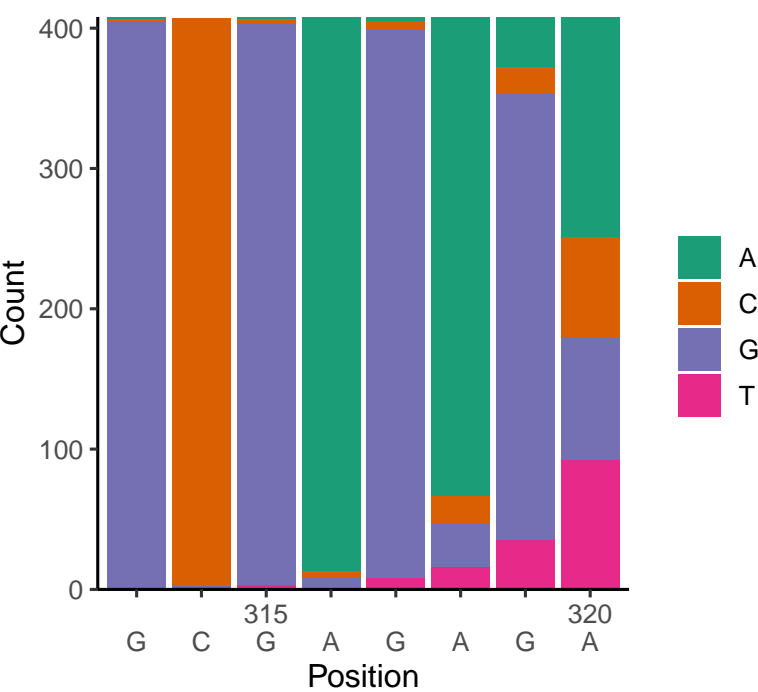
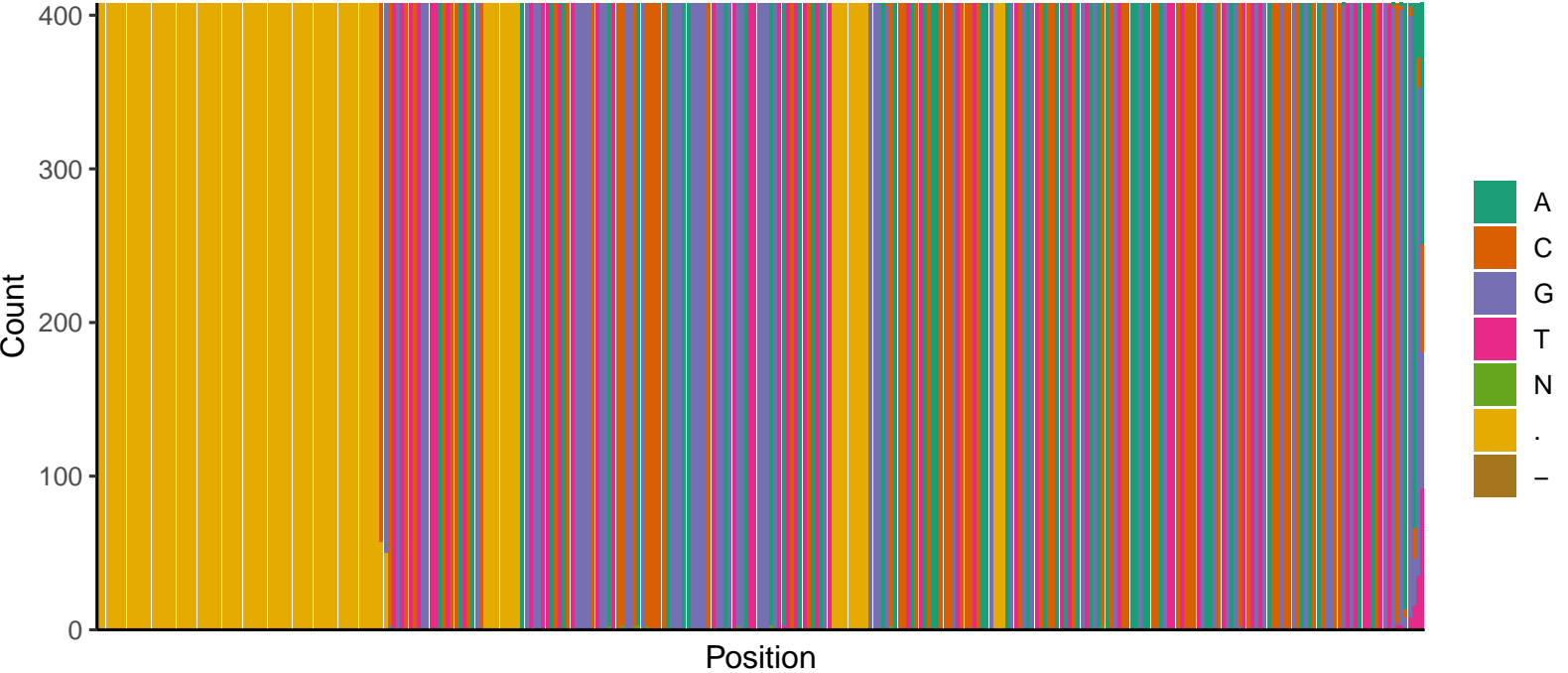


Gene IGHV4-38-2\*02\_A70G



Gene IGHV4-38-2\*02\_A70G



IGHV4-38-2\*02\_A70G- Final 3 nucleotides as a triplet

Count

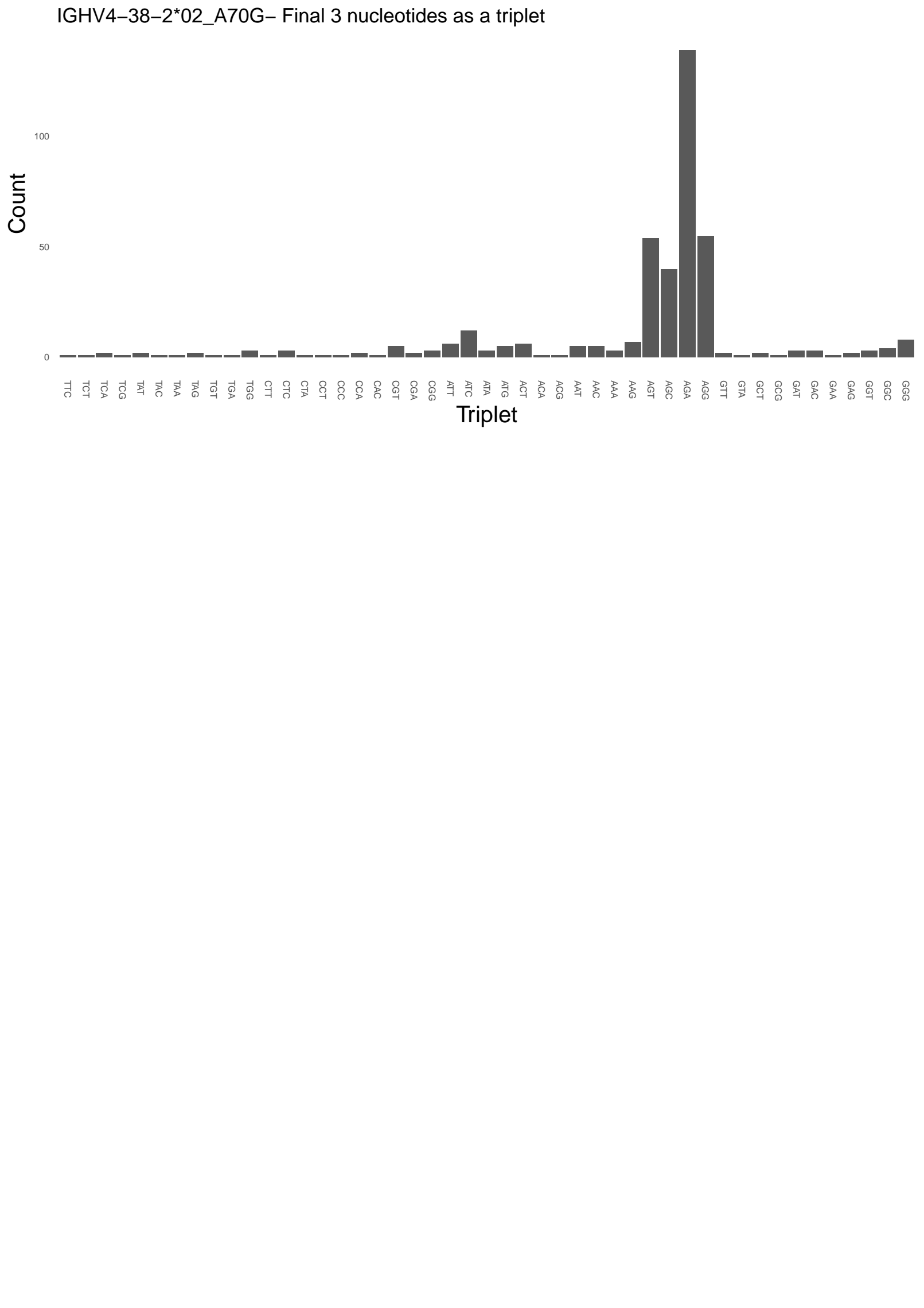
100

50

0

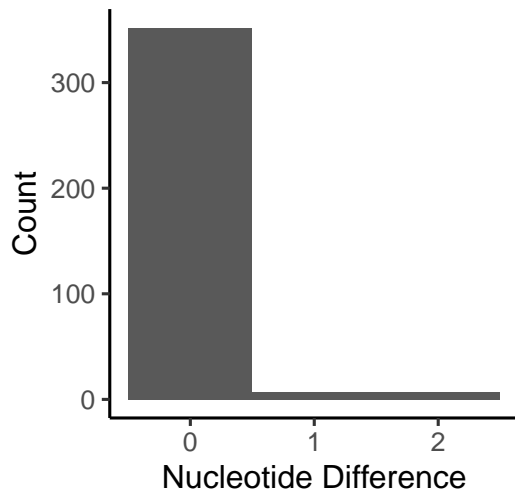
Triplet

TTC TCT TCA TCG TAT TAC TAA TAG TGT TGA TGG CTT CTC CTA CCT CCC CCA CAC CGT CGA CGG ATT ATC ATA ATG ACT ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTA GCT GCG GAT GAC GAA GAG GGT GGC GGG



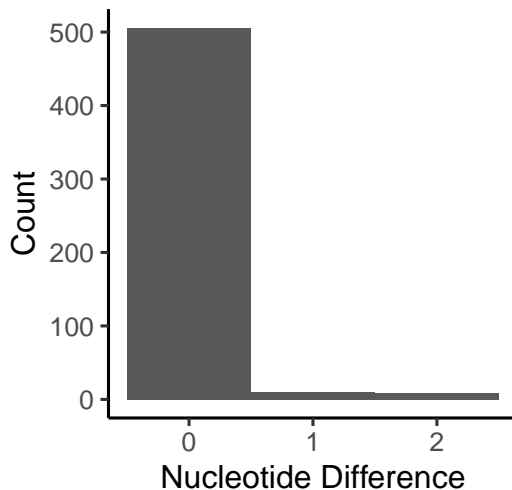
### IGHV1–2\*02

366 sequences assigned  
352 (96.2%) exact matches, in which:  
352 unique CDR3  
6 unique J



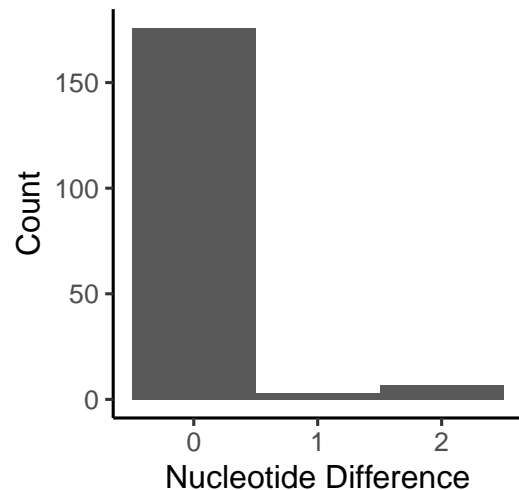
### IGHV1–8\*01

525 sequences assigned  
506 (96.4%) exact matches, in which:  
506 unique CDR3  
7 unique J



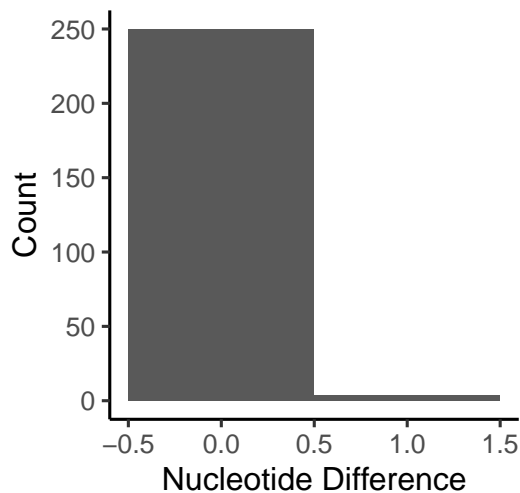
### IGHV1–46\*01

186 sequences assigned  
176 (94.6%) exact matches, in which:  
176 unique CDR3  
6 unique J



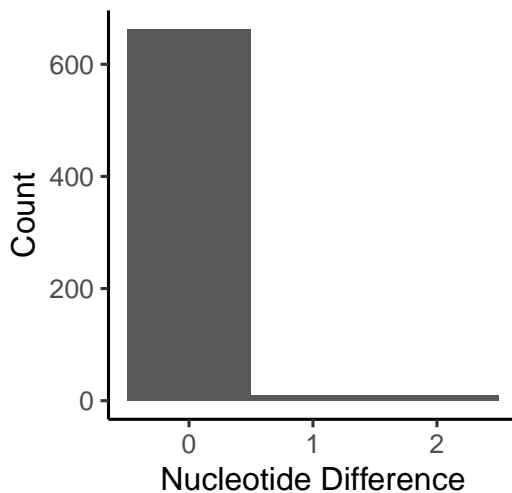
### IGHV1–2\*06

254 sequences assigned  
250 (98.4%) exact matches, in which:  
250 unique CDR3  
7 unique J



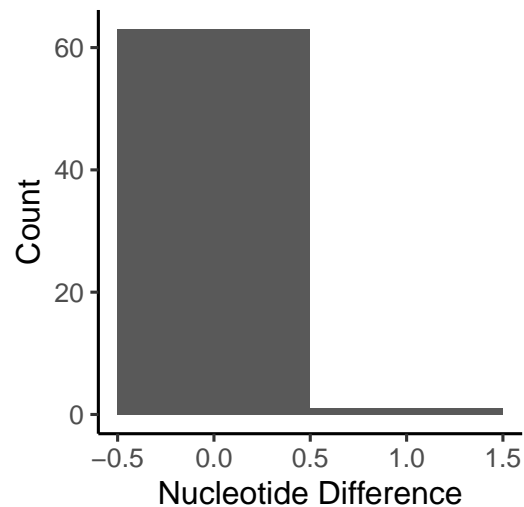
### IGHV1–18\*01

683 sequences assigned  
663 (97.1%) exact matches, in which:  
663 unique CDR3  
7 unique J



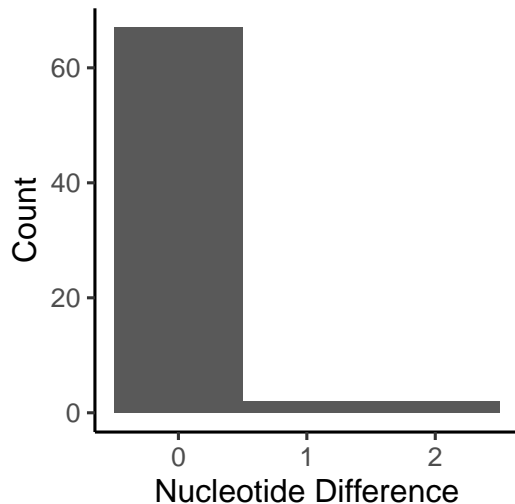
### IGHV1–46\*03

64 sequences assigned  
63 (98.4%) exact matches, in which:  
63 unique CDR3  
6 unique J



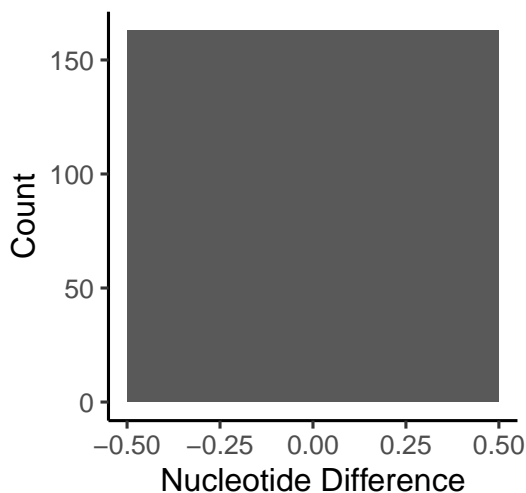
### IGHV1–3\*01\_05

71 sequences assigned  
67 (94.4%) exact matches, in which:  
67 unique CDR3  
4 unique J



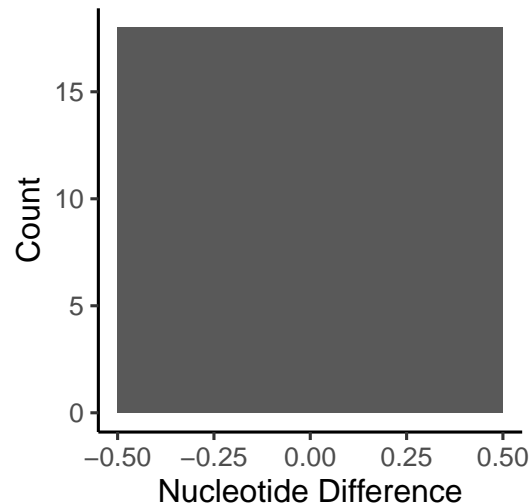
### IGHV1–24\*01

163 sequences assigned  
163 (100%) exact matches, in which:  
163 unique CDR3  
7 unique J



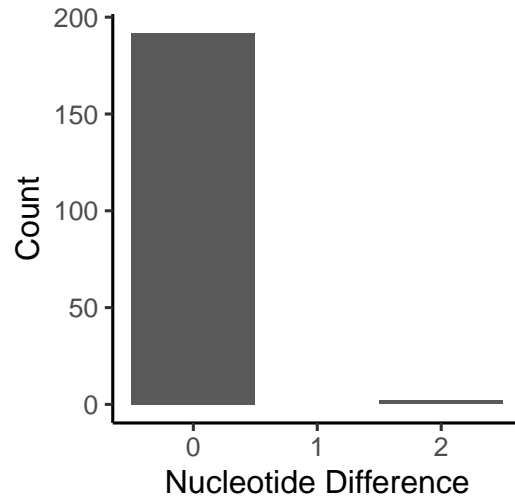
### IGHV1–58\*02

18 sequences assigned  
18 (100%) exact matches, in which:  
18 unique CDR3  
5 unique J



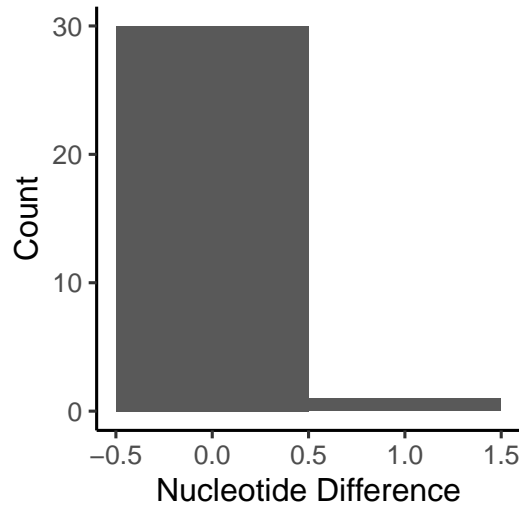
### IGHV1–69\*05

194 sequences assigned  
192 (99%) exact matches, in which:  
192 unique CDR3  
6 unique J



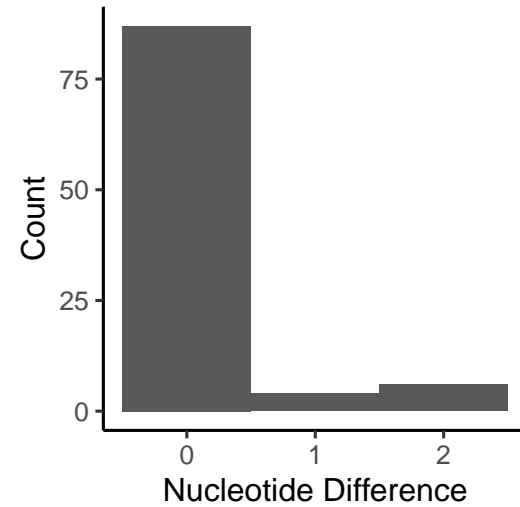
### IGHV2–26\*01

31 sequences assigned  
30 (96.8%) exact matches, in which:  
30 unique CDR3  
5 unique J



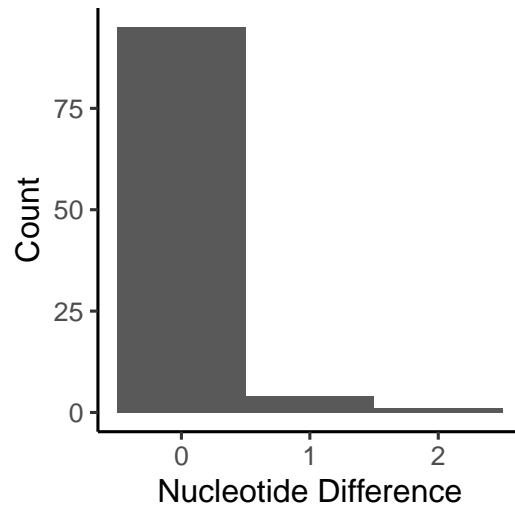
### IGHV3–7\*01

97 sequences assigned  
87 (89.7%) exact matches, in which:  
87 unique CDR3  
5 unique J



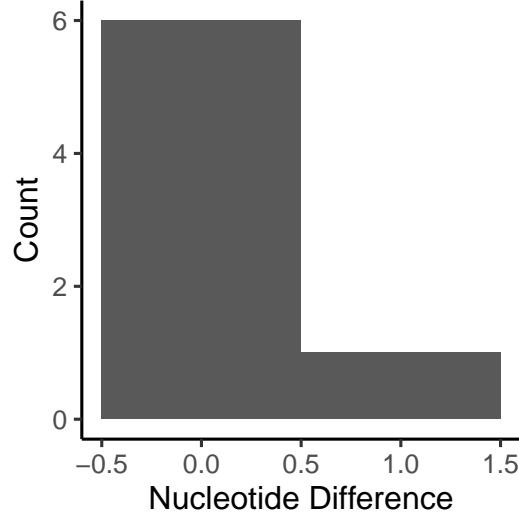
### IGHV1–69\*04\_09

100 sequences assigned  
95 (95%) exact matches, in which:  
95 unique CDR3  
6 unique J



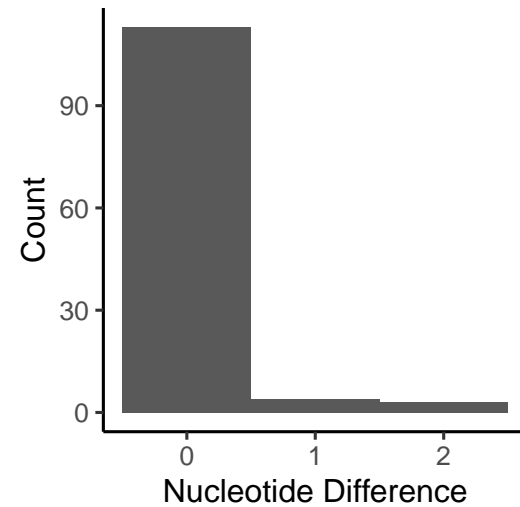
### IGHV2–26\*02

7 sequences assigned  
6 (85.7%) exact matches, in which:  
6 unique CDR3  
2 unique J



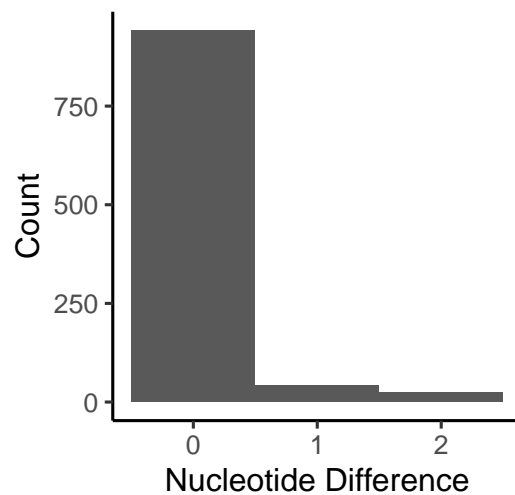
### IGHV3–7\*03

120 sequences assigned  
113 (94.2%) exact matches, in which:  
113 unique CDR3  
6 unique J



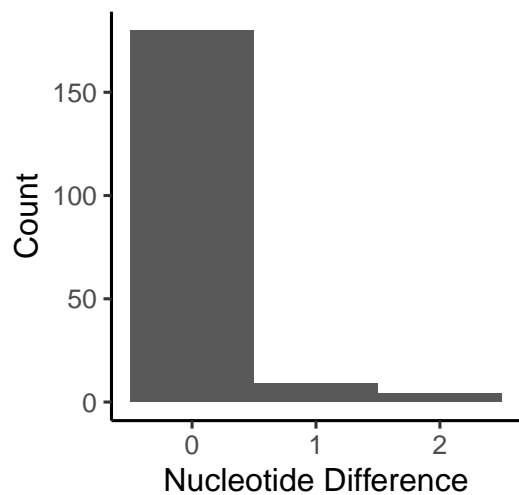
### IGHV2–5\*02

1007 sequences assigned  
942 (93.5%) exact matches, in which:  
940 unique CDR3  
7 unique J



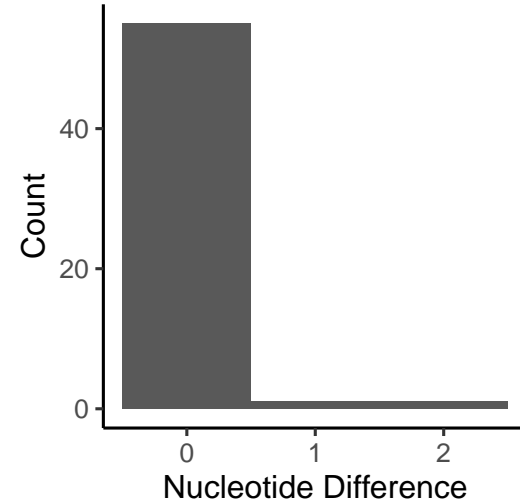
### IGHV2–70\*11\_15

193 sequences assigned  
180 (93.3%) exact matches, in which:  
179 unique CDR3  
7 unique J



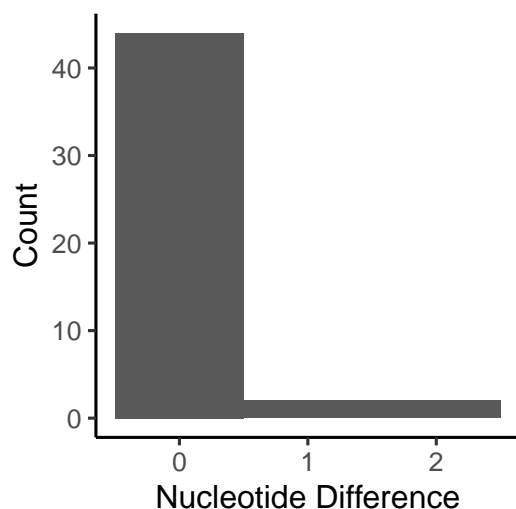
### IGHV3–9\*01

57 sequences assigned  
55 (96.5%) exact matches, in which:  
55 unique CDR3  
6 unique J



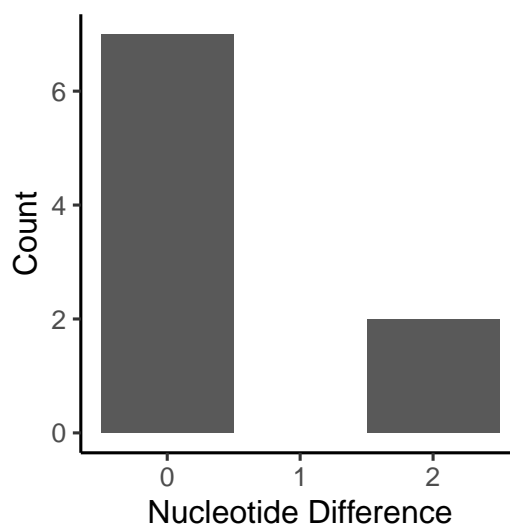
### IGHV3-11\*01

48 sequences assigned  
44 (91.7%) exact matches, in which:  
43 unique CDR3  
5 unique J



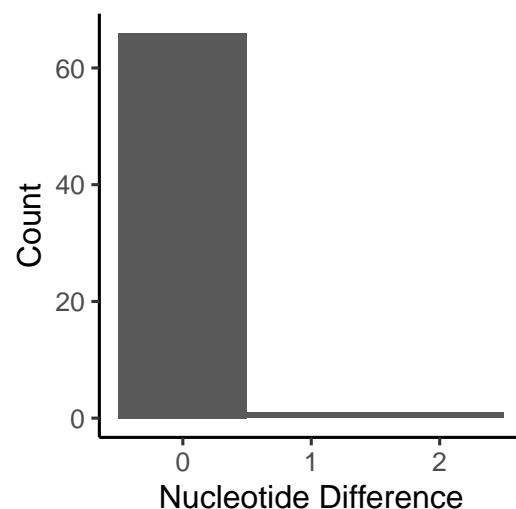
### IGHV3-20\*01\_02

9 sequences assigned  
7 (77.8%) exact matches, in which:  
7 unique CDR3  
4 unique J



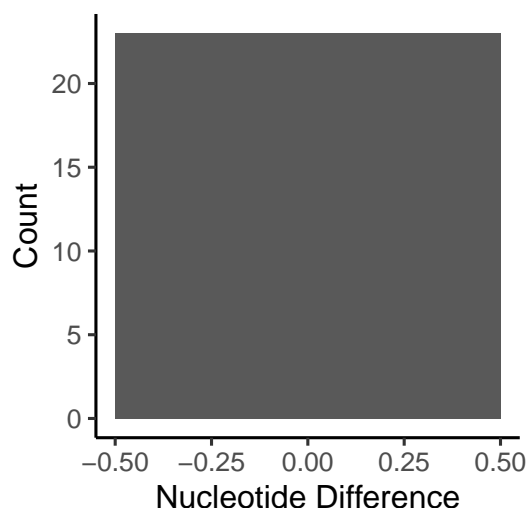
### IGHV3-33\*01

68 sequences assigned  
66 (97.1%) exact matches, in which:  
66 unique CDR3  
6 unique J



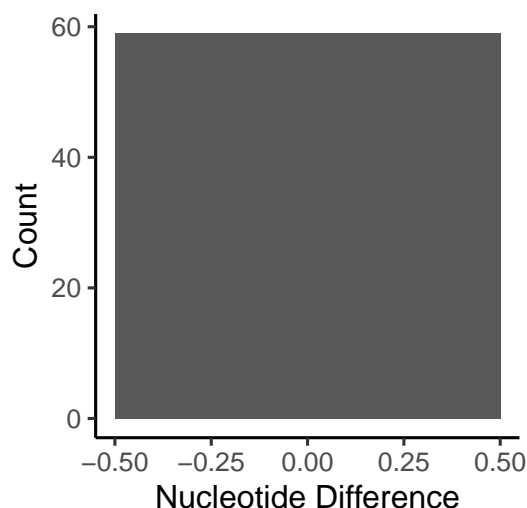
### IGHV3-13\*01

23 sequences assigned  
23 (100%) exact matches, in which:  
23 unique CDR3  
6 unique J



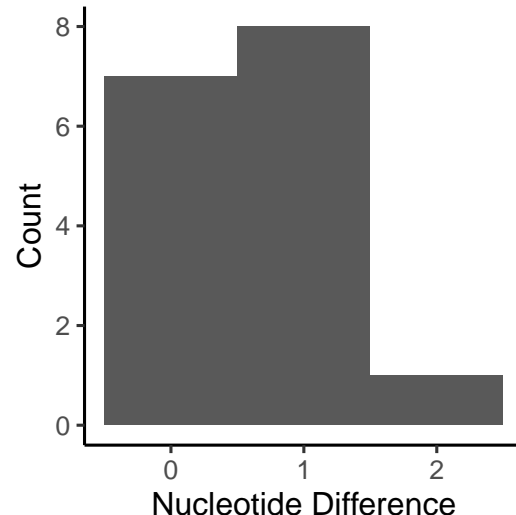
### IGHV3-20\*03\_04

59 sequences assigned  
59 (100%) exact matches, in which:  
59 unique CDR3  
5 unique J



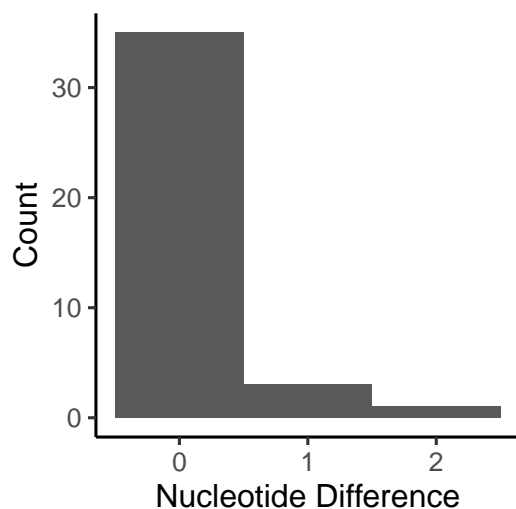
### IGHV3-43\*01

16 sequences assigned  
7 (43.8%) exact matches, in which:  
7 unique CDR3  
3 unique J



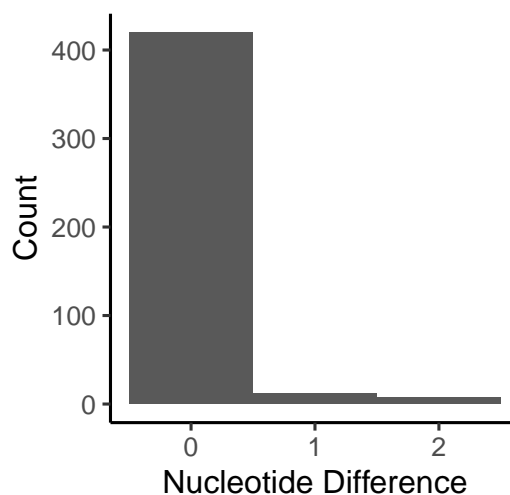
### IGHV3-15\*01\_02

39 sequences assigned  
35 (89.7%) exact matches, in which:  
35 unique CDR3  
6 unique J



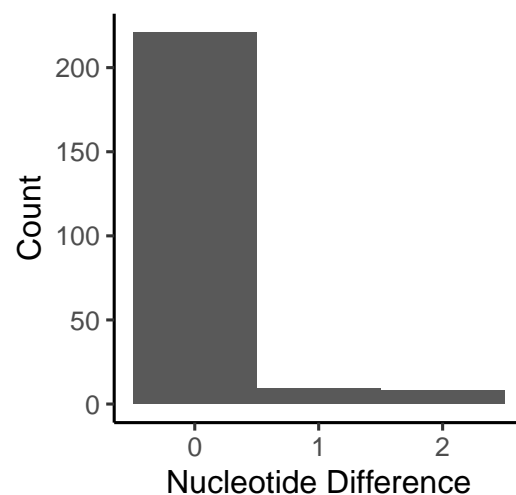
### IGHV3-21\*01\_02

439 sequences assigned  
420 (95.7%) exact matches, in which:  
412 unique CDR3  
7 unique J



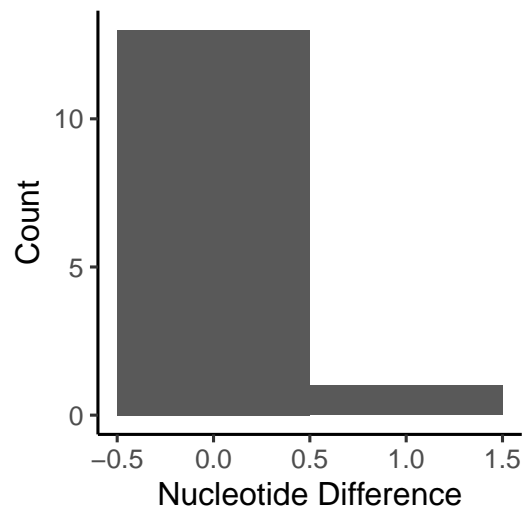
### IGHV3-48\*01

238 sequences assigned  
221 (92.9%) exact matches, in which:  
220 unique CDR3  
7 unique J



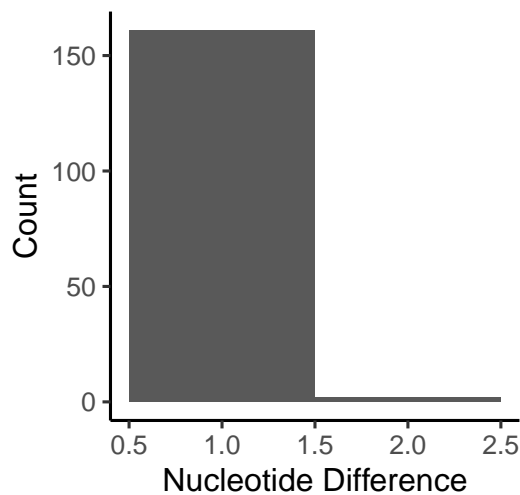
### IGHV3-49\*03\_05

14 sequences assigned  
13 (92.9%) exact matches, in which:  
13 unique CDR3  
5 unique J



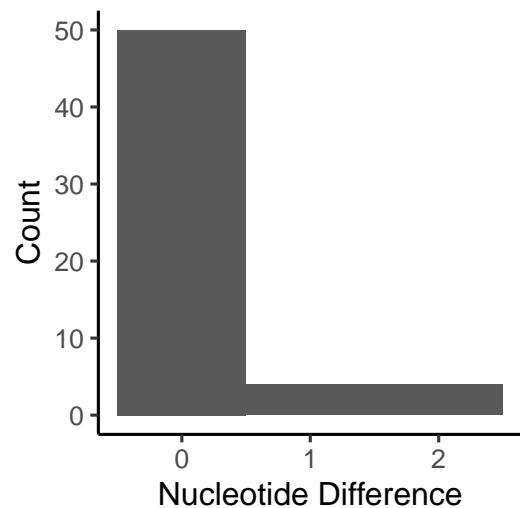
### IGHV3-66\*01

163 sequences assigned  
No exact matches.



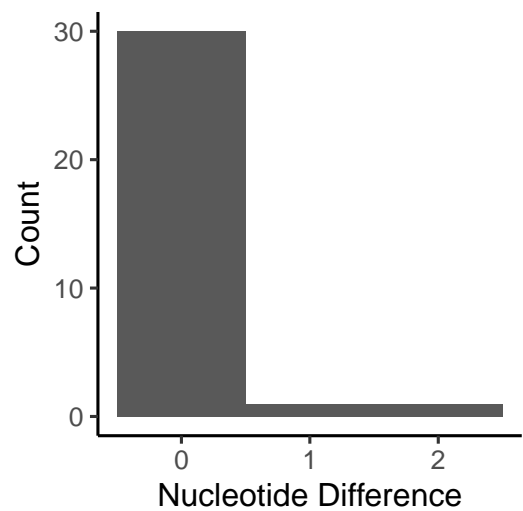
### IGHV3-74\*01\_02

58 sequences assigned  
50 (86.2%) exact matches, in which:  
50 unique CDR3  
6 unique J



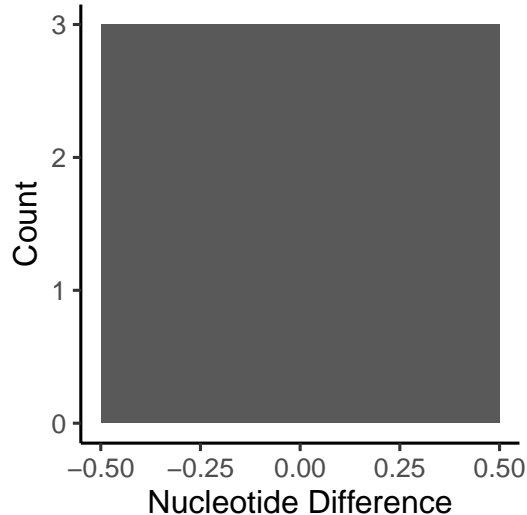
### IGHV3-53\*04

32 sequences assigned  
30 (93.8%) exact matches, in which:  
28 unique CDR3  
5 unique J



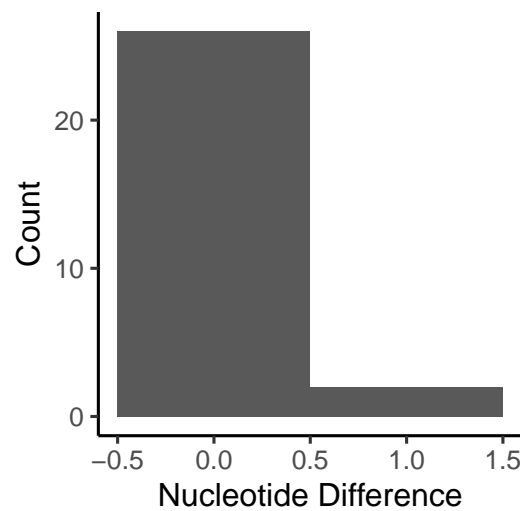
### IGHV3-72\*01

3 sequences assigned  
3 (100%) exact matches, in which:  
3 unique CDR3  
2 unique J



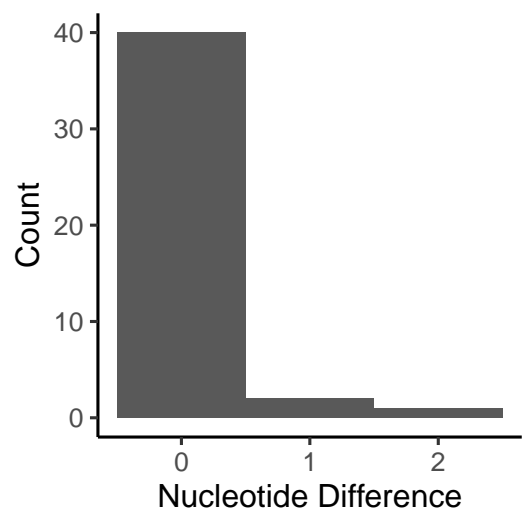
### IGHV3-43D\*04

28 sequences assigned  
26 (92.9%) exact matches, in which:  
26 unique CDR3  
5 unique J



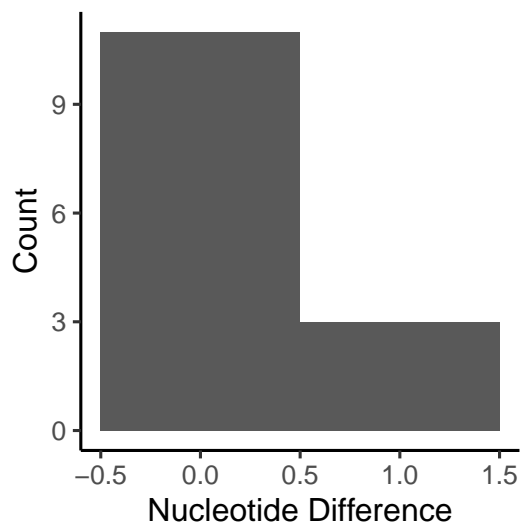
### IGHV3-64\*01

43 sequences assigned  
40 (93%) exact matches, in which:  
38 unique CDR3  
7 unique J



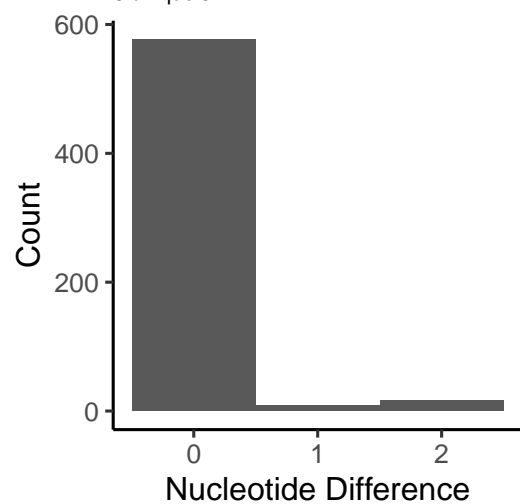
### IGHV3-73\*01\_02

14 sequences assigned  
11 (78.6%) exact matches, in which:  
11 unique CDR3  
4 unique J



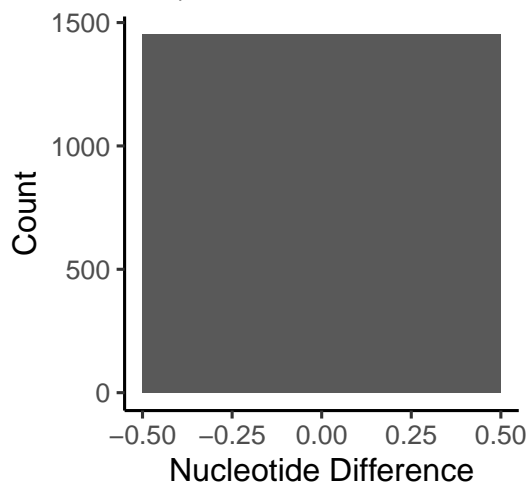
### IGHV4-4\*07

601 sequences assigned  
577 (96%) exact matches, in which:  
575 unique CDR3  
6 unique J



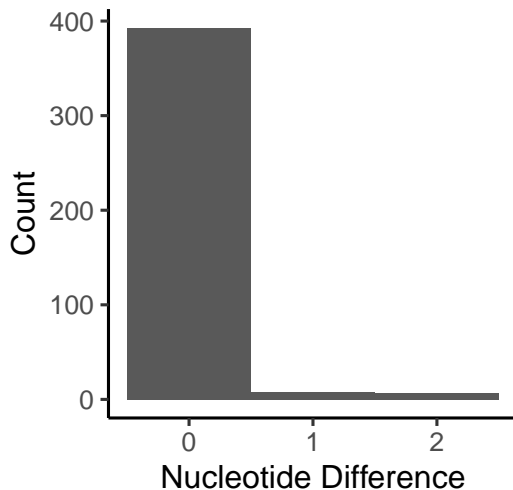
### IGHV4-4\*09

1452 sequences assigned  
1452 (100%) exact matches, in which:  
1435 unique CDR3  
7 unique J



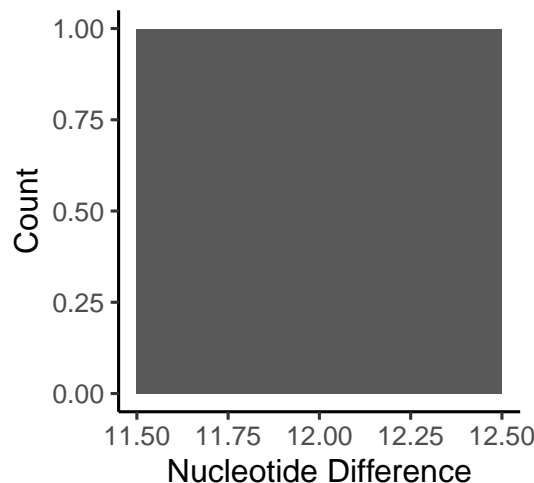
### IGHV4-38-2\*02\_A70G

408 sequences assigned  
393 (96.3%) exact matches, in which:  
390 unique CDR3  
6 unique J



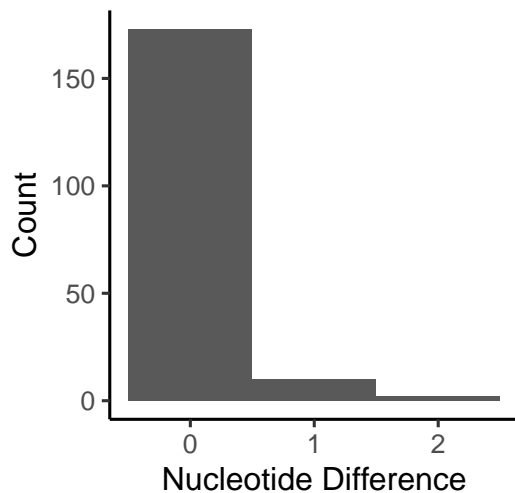
### IGHV4-55\*09

1 sequences assigned  
No exact matches.



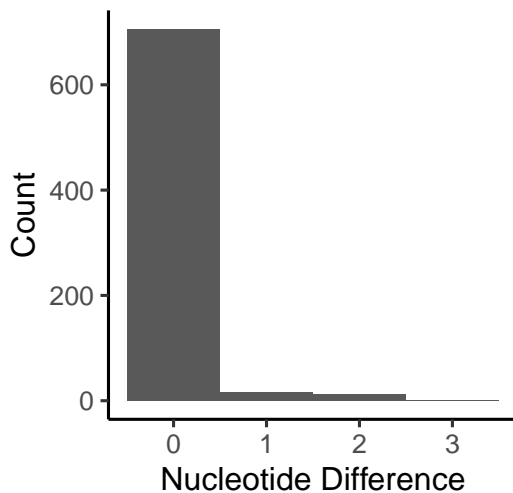
### IGHV4-31\*03\_04

185 sequences assigned  
173 (93.5%) exact matches, in which:  
172 unique CDR3  
6 unique J



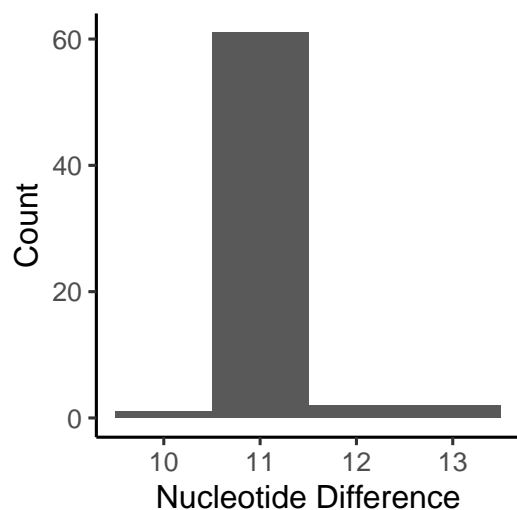
### IGHV4-39\*07

735 sequences assigned  
706 (96.1%) exact matches, in which:  
702 unique CDR3  
6 unique J



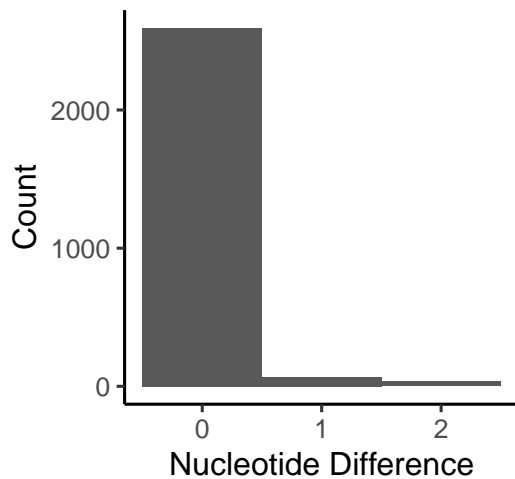
### IGHV4-55\*02\_04\_08

66 sequences assigned  
No exact matches.



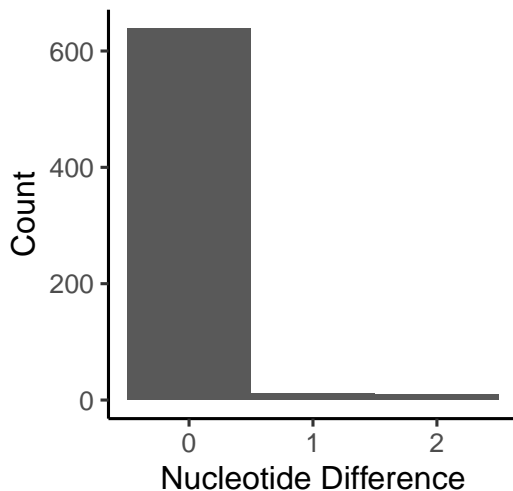
### IGHV4-34\*01\_02

2697 sequences assigned  
2593 (96.1%) exact matches, in which:  
2580 unique CDR3  
7 unique J



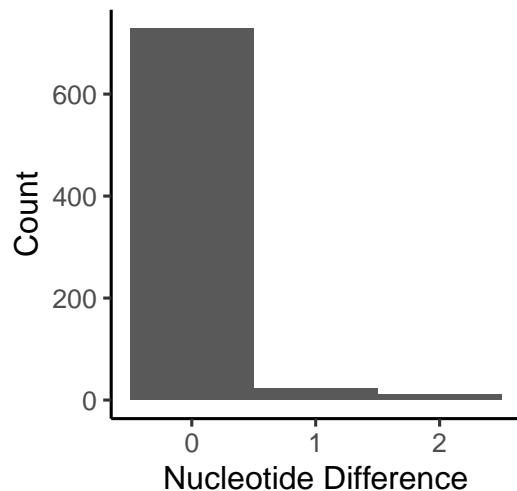
### IGHV4-39\*01\_05

662 sequences assigned  
639 (96.5%) exact matches, in which:  
636 unique CDR3  
6 unique J



### IGHV4-59\*08

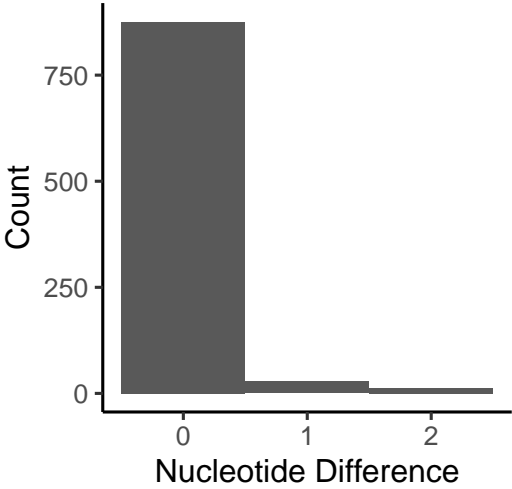
762 sequences assigned  
729 (95.7%) exact matches, in which:  
724 unique CDR3  
7 unique J





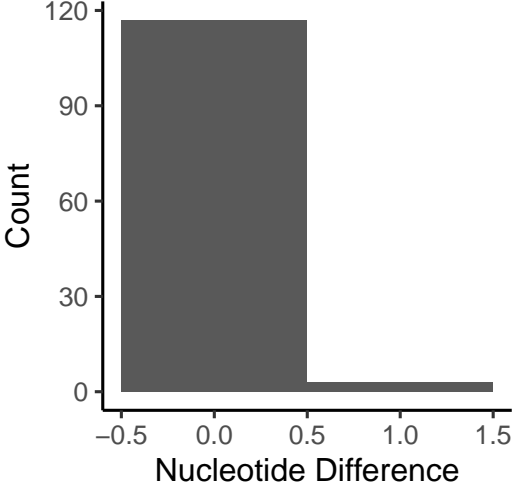
### IGHV4–59\*01\_07

917 sequences assigned  
876 (95.5%) exact matches, in which:  
872 unique CDR3  
6 unique J



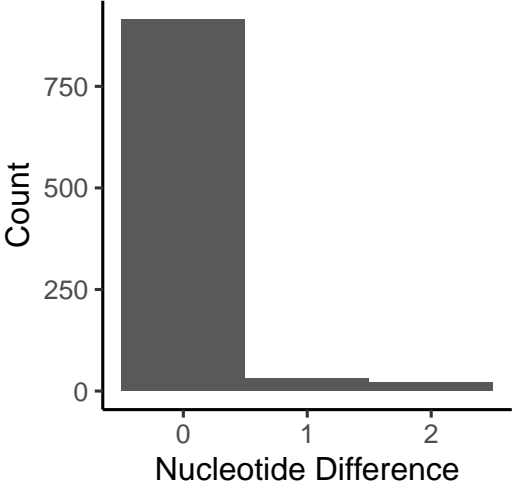
### IGHV5–51\*01\_03

120 sequences assigned  
117 (97.5%) exact matches, in which:  
117 unique CDR3  
7 unique J

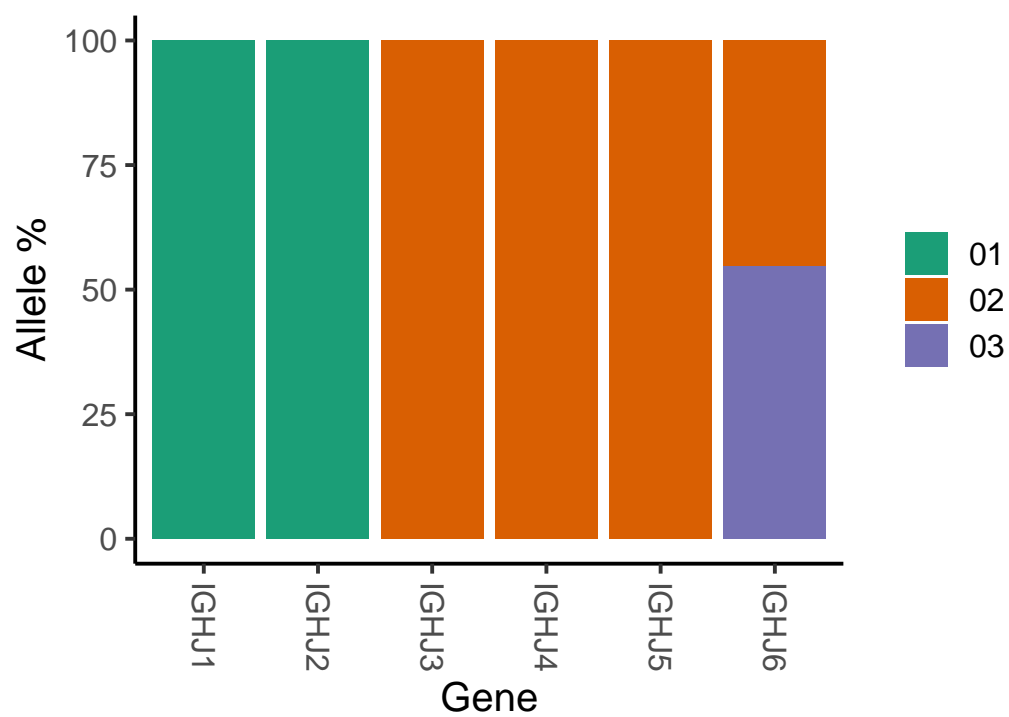


### IGHV6–1\*01\_02

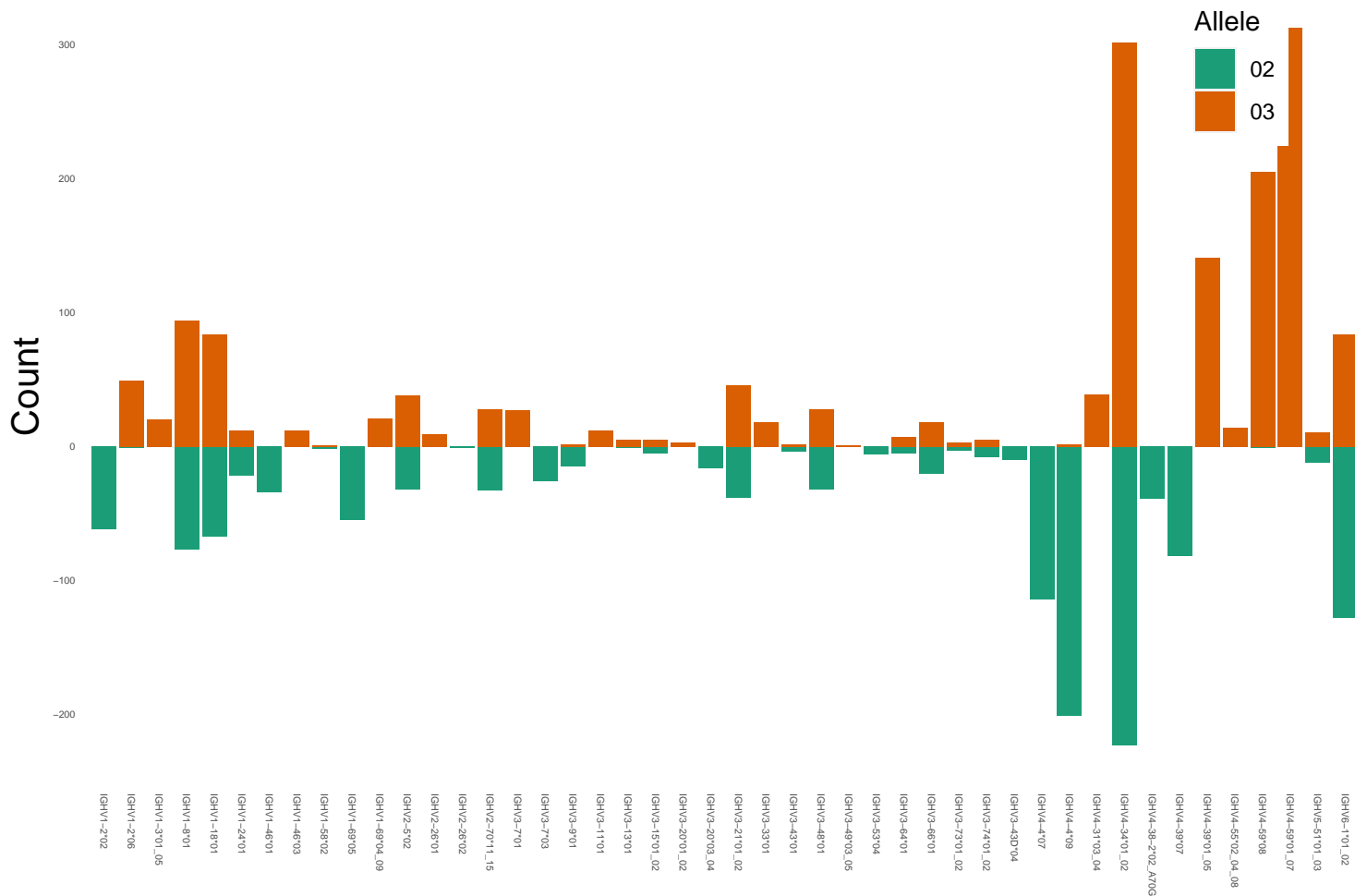
967 sequences assigned  
915 (94.6%) exact matches, in which:  
914 unique CDR3  
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Novel sequence(s)IGHV4–59\*02\_G88AIGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4–59\*02\_G88AIGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.