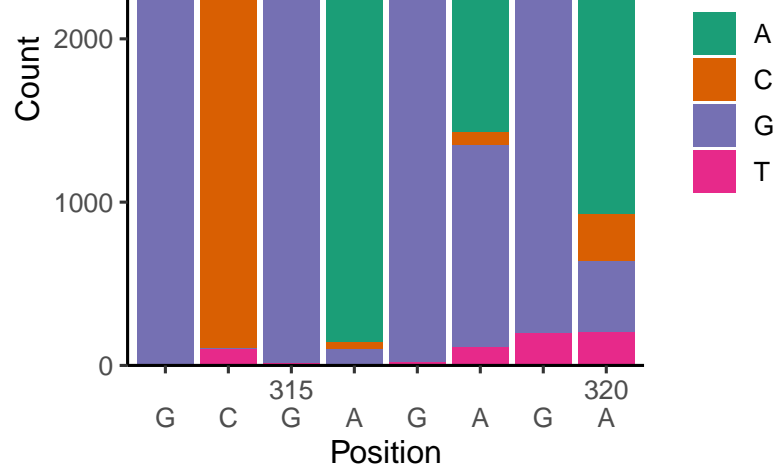
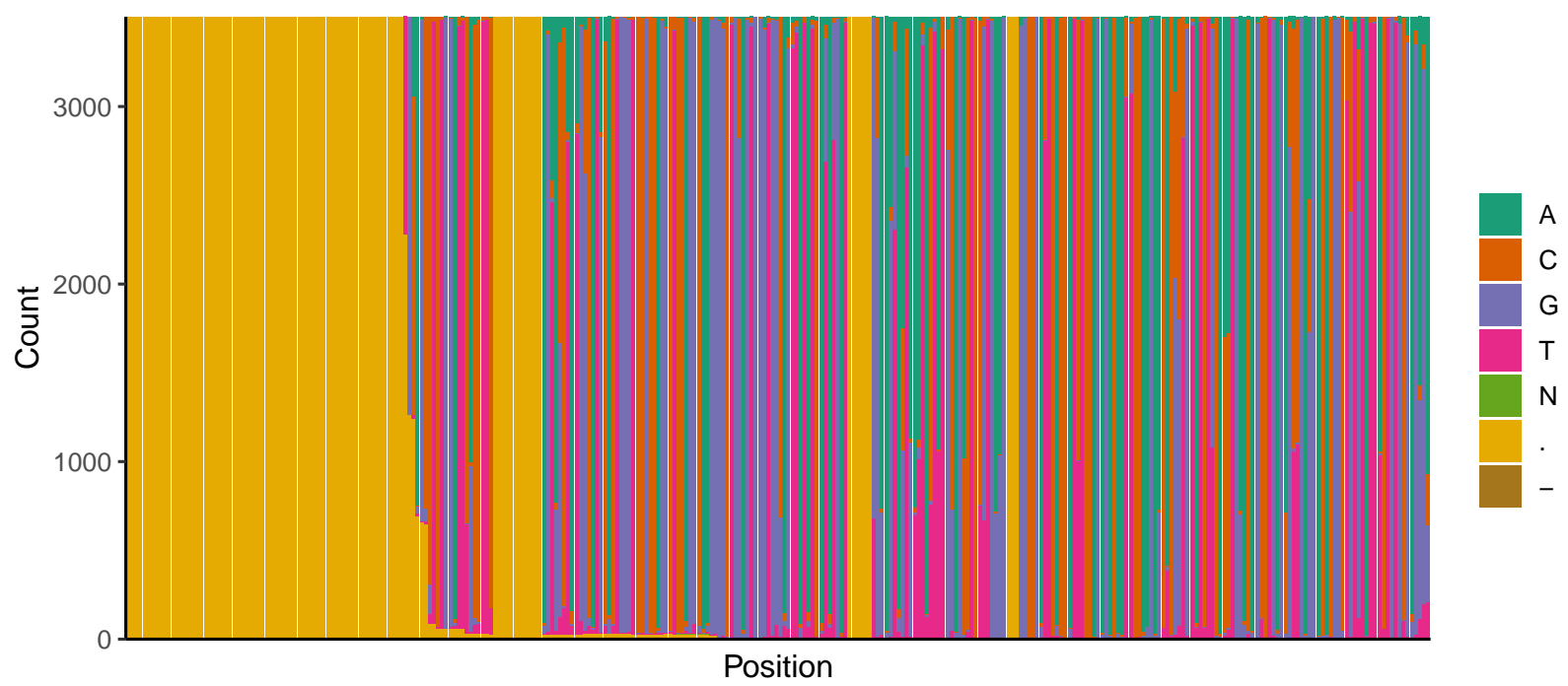


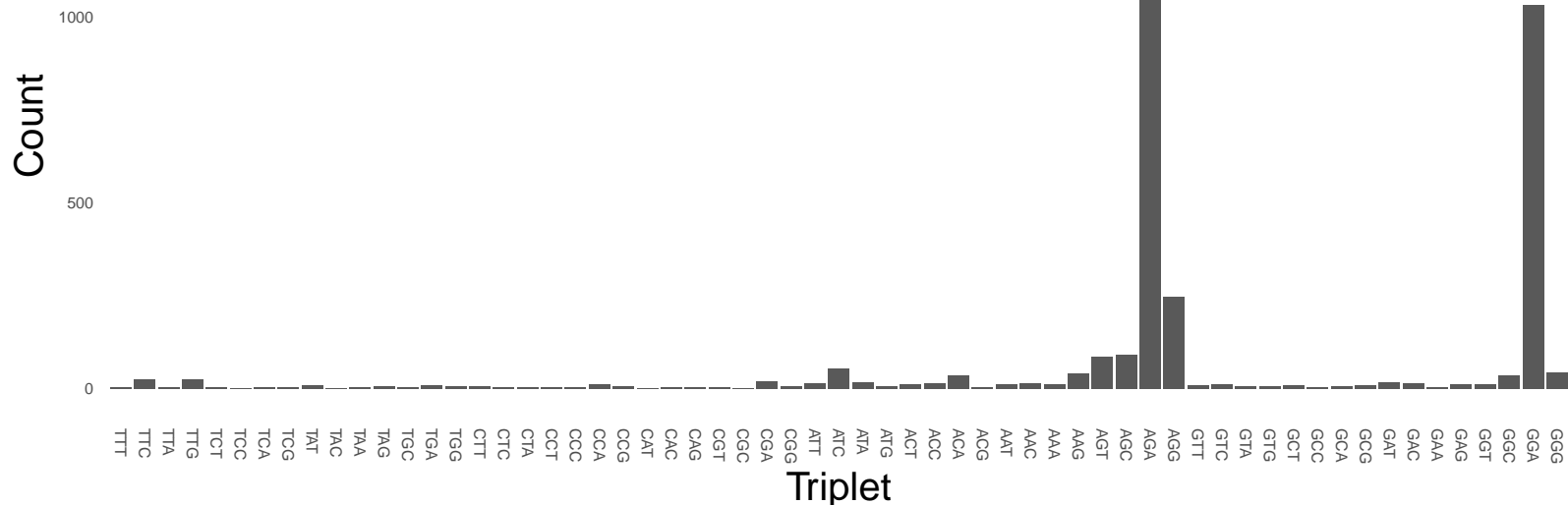
# Gene IGHV3-30\*03\_T288C



# Gene IGHV3-30\*03\_T288C

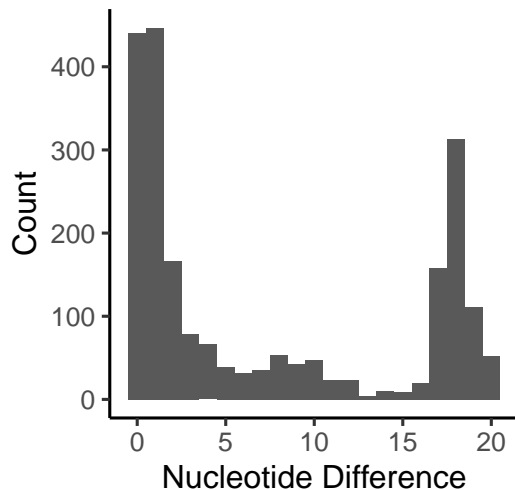


IGHV3-30\*03\_T288C- Final 3 nucleotides as a triplet



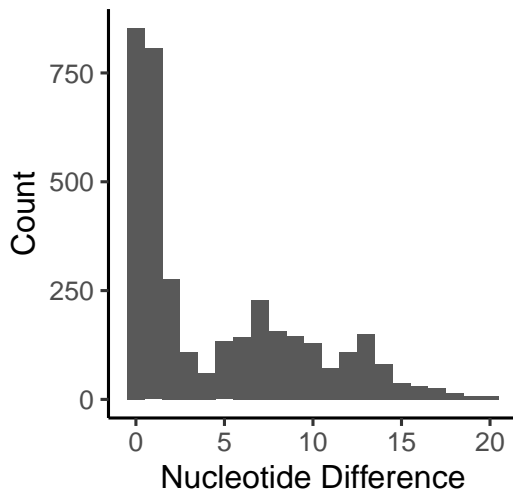
### IGHV1-2\*04

3046 sequences assigned  
441 (14.5%) exact matches, in which:  
375 unique CDR3  
6 unique J



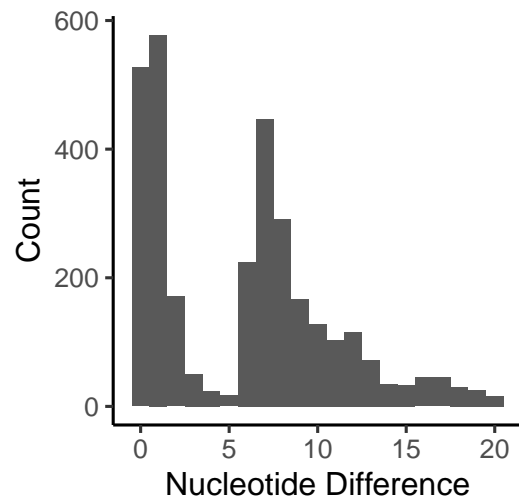
### IGHV1-8\*01

3876 sequences assigned  
854 (22%) exact matches, in which:  
701 unique CDR3  
6 unique J



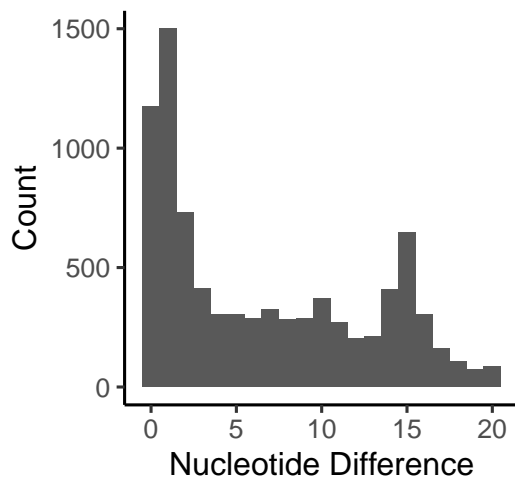
### IGHV1-24\*01

3208 sequences assigned  
527 (16.4%) exact matches, in which:  
433 unique CDR3  
6 unique J



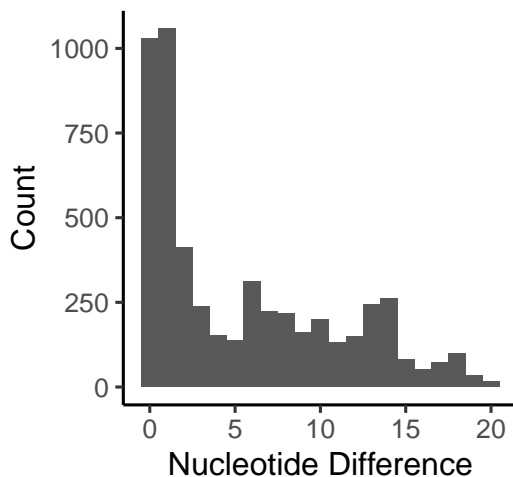
### IGHV1-2\*06

10631 sequences assigned  
1173 (11%) exact matches, in which:  
915 unique CDR3  
6 unique J



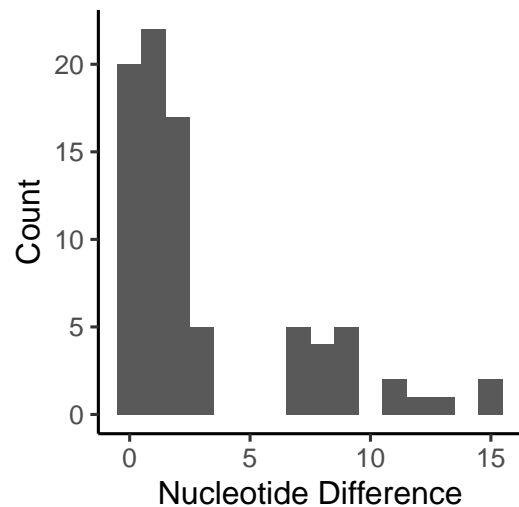
### IGHV1-18\*01

7125 sequences assigned  
1029 (14.4%) exact matches, in which:  
870 unique CDR3  
6 unique J



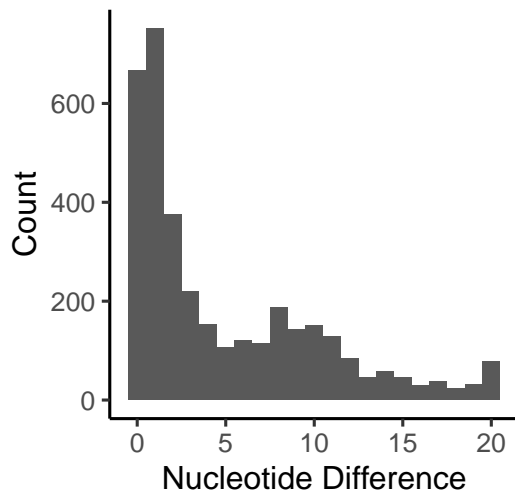
### IGHV1-45\*02

84 sequences assigned  
20 (23.8%) exact matches, in which:  
12 unique CDR3  
4 unique J



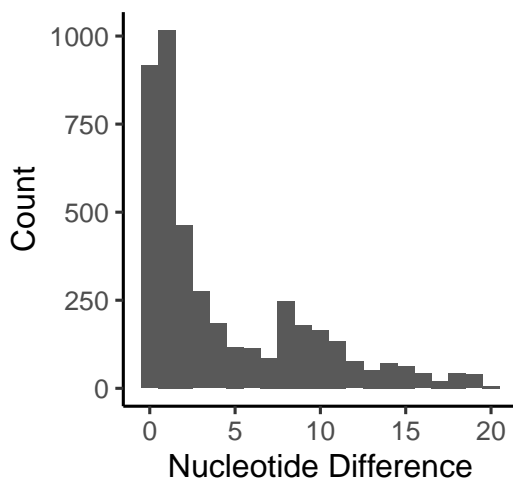
### IGHV1-3\*01\_05

4079 sequences assigned  
667 (16.4%) exact matches, in which:  
534 unique CDR3  
6 unique J



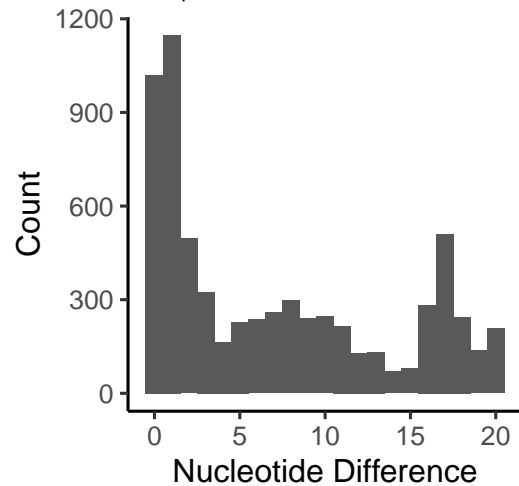
### IGHV1-18\*04

4535 sequences assigned  
916 (20.2%) exact matches, in which:  
759 unique CDR3  
6 unique J



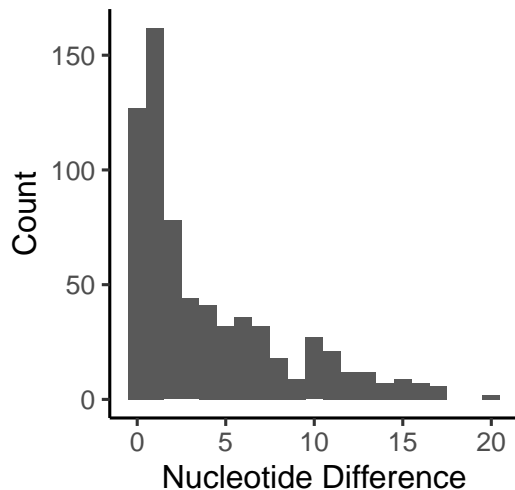
### IGHV1-46\*01

8125 sequences assigned  
1021 (12.6%) exact matches, in which:  
850 unique CDR3  
6 unique J



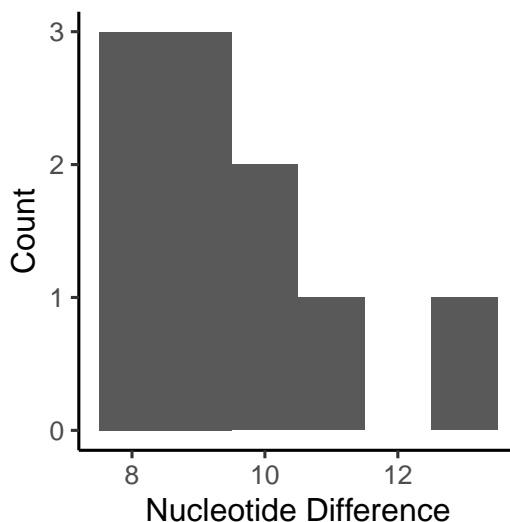
### IGHV1–58\*01\_03

879 sequences assigned  
127 (14.4%) exact matches, in which:  
117 unique CDR3  
5 unique J



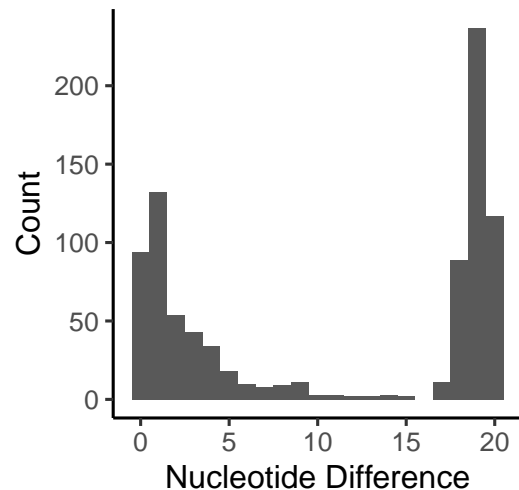
### IGHV1–NL1\*01

10 sequences assigned  
No exact matches.



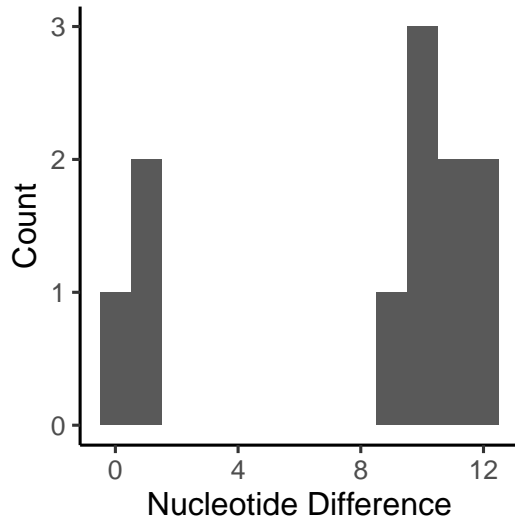
### IGHV2–70\*01

974 sequences assigned  
94 (9.7%) exact matches, in which:  
64 unique CDR3  
4 unique J



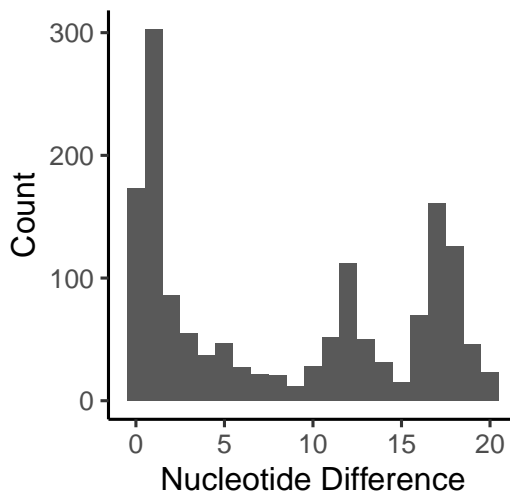
### IGHV1–69–2\*01

134 sequences assigned  
1 (0.7%) exact matches, in which:  
1 unique CDR3  
1 unique J



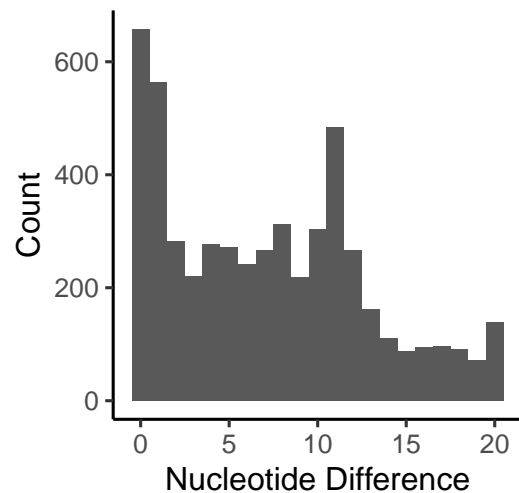
### IGHV2–5\*02

1603 sequences assigned  
173 (10.8%) exact matches, in which:  
133 unique CDR3  
6 unique J



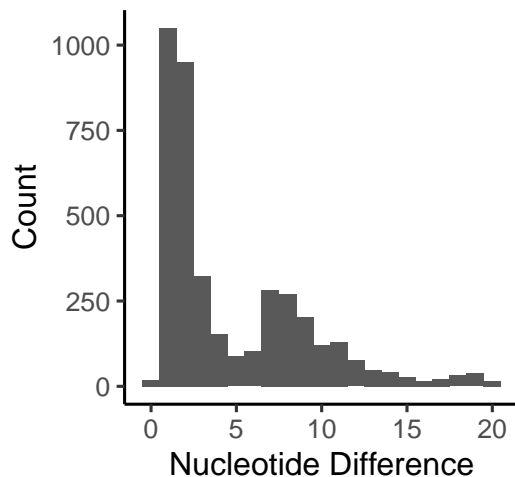
### IGHV3–7\*01

6894 sequences assigned  
658 (9.5%) exact matches, in which:  
470 unique CDR3  
6 unique J



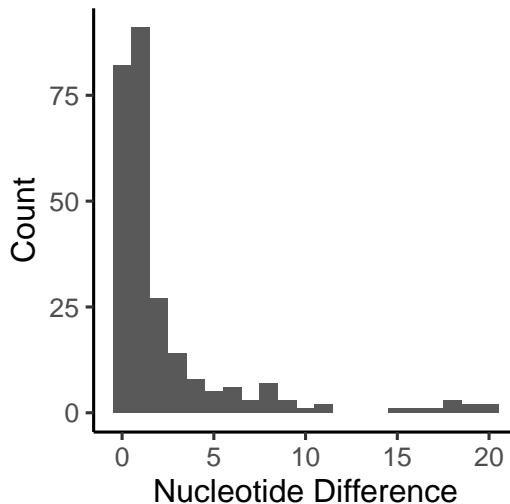
### IGHV1–69\*06\_14

4449 sequences assigned  
18 (0.4%) exact matches, in which:  
18 unique CDR3  
6 unique J



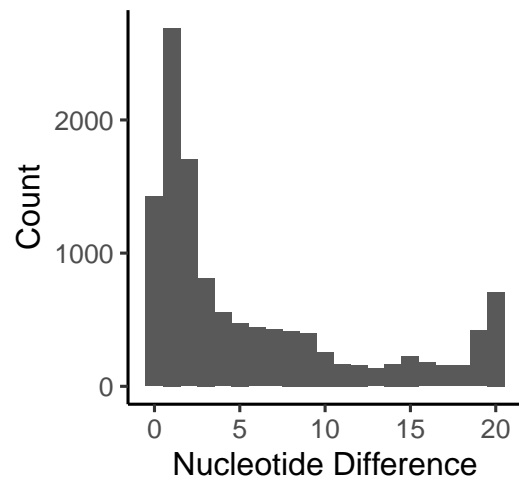
### IGHV2–26\*01

262 sequences assigned  
82 (31.3%) exact matches, in which:  
60 unique CDR3  
5 unique J



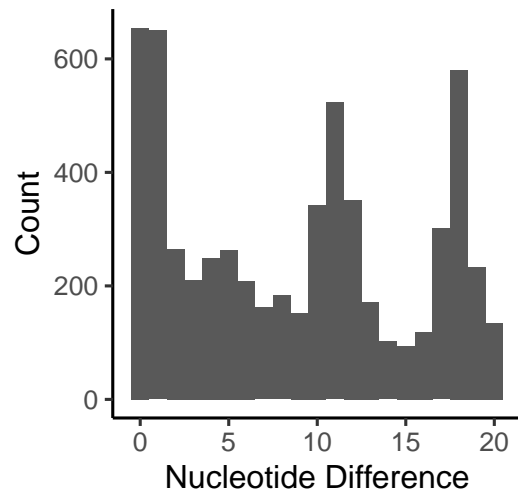
### IGHV3–7\*03

15571 sequences assigned  
1425 (9.2%) exact matches, in which:  
784 unique CDR3  
6 unique J



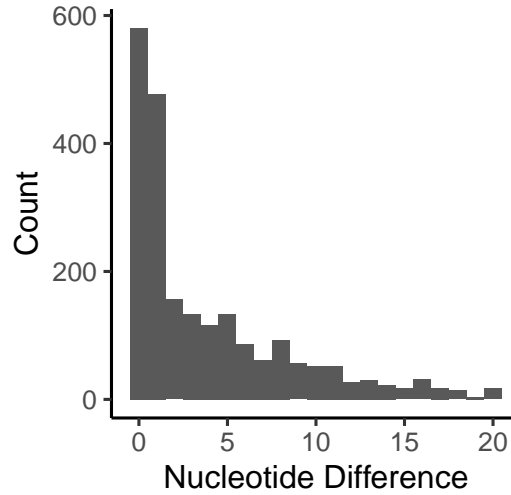
### IGHV3-9\*01

6400 sequences assigned  
655 (10.2%) exact matches, in which:  
393 unique CDR3  
6 unique J



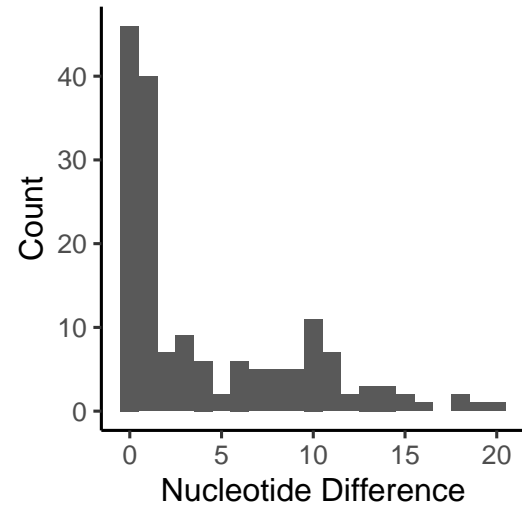
### IGHV3-11\*06

2994 sequences assigned  
581 (19.4%) exact matches, in which:  
388 unique CDR3  
6 unique J



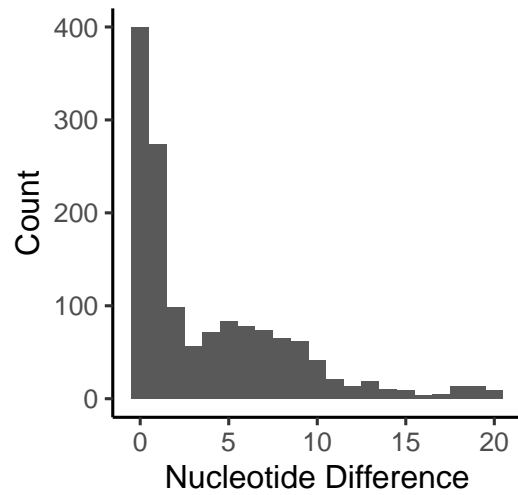
### IGHV3-13\*05

165 sequences assigned  
46 (27.9%) exact matches, in which:  
37 unique CDR3  
5 unique J



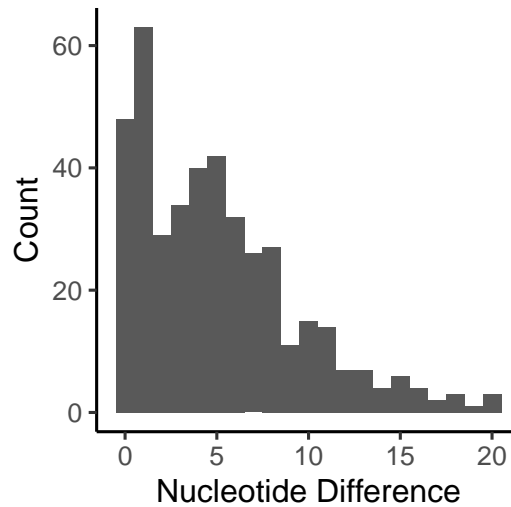
### IGHV3-11\*01

1515 sequences assigned  
400 (26.4%) exact matches, in which:  
274 unique CDR3  
6 unique J



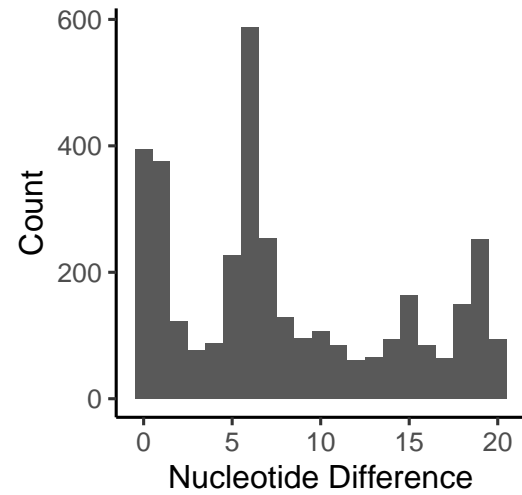
### IGHV3-11\*03\_05

481 sequences assigned  
48 (10%) exact matches, in which:  
45 unique CDR3  
6 unique J



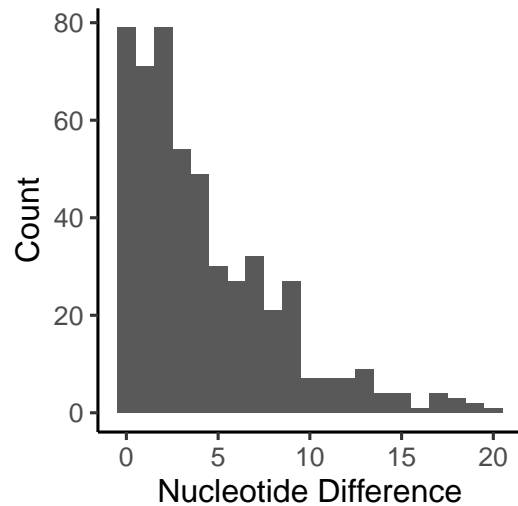
### IGHV3-15\*01\_02

3990 sequences assigned  
395 (9.9%) exact matches, in which:  
228 unique CDR3  
6 unique J



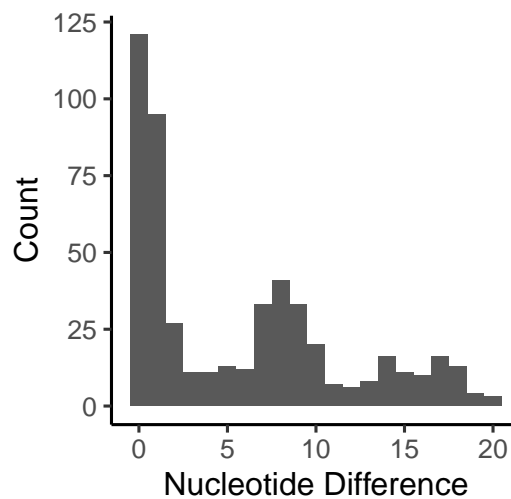
### IGHV3-11\*04

536 sequences assigned  
79 (14.7%) exact matches, in which:  
77 unique CDR3  
6 unique J



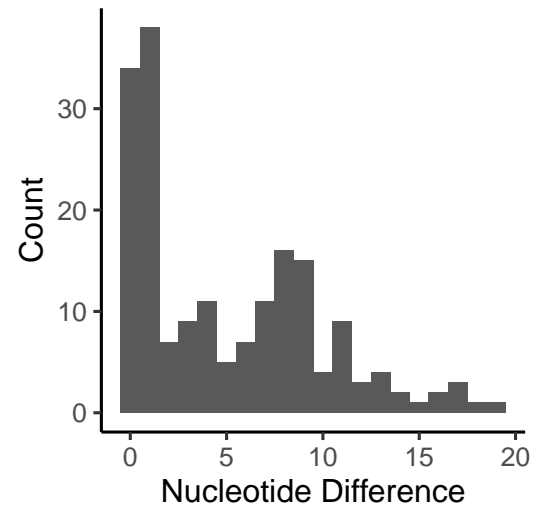
### IGHV3-13\*01

551 sequences assigned  
121 (22%) exact matches, in which:  
89 unique CDR3  
5 unique J



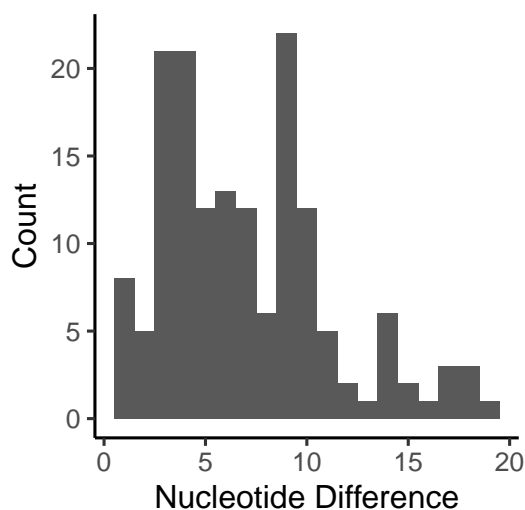
### IGHV3-20\*01\_02

204 sequences assigned  
34 (16.7%) exact matches, in which:  
16 unique CDR3  
4 unique J



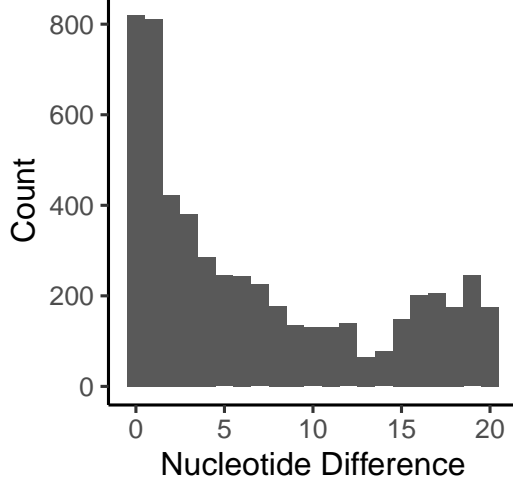
### IGHV3-20\*03\_04

158 sequences assigned  
No exact matches.



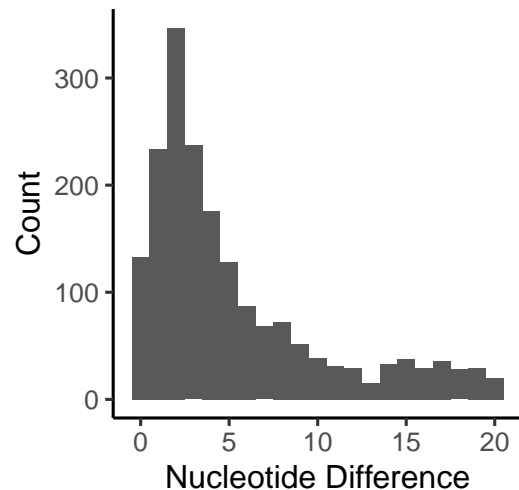
### IGHV3-30-3\*01

6699 sequences assigned  
821 (12.3%) exact matches, in which:  
550 unique CDR3  
6 unique J



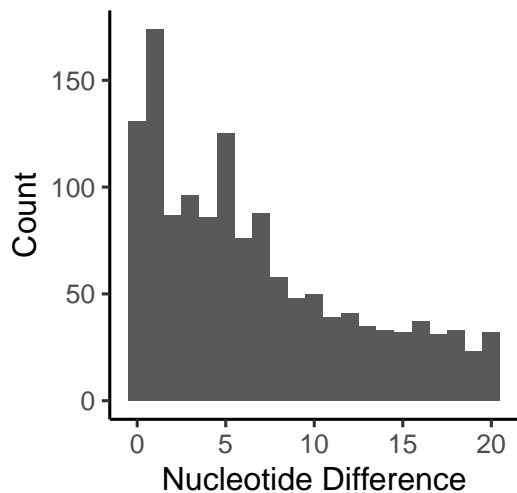
### IGHV3-33\*06

1977 sequences assigned  
133 (6.7%) exact matches, in which:  
123 unique CDR3  
6 unique J



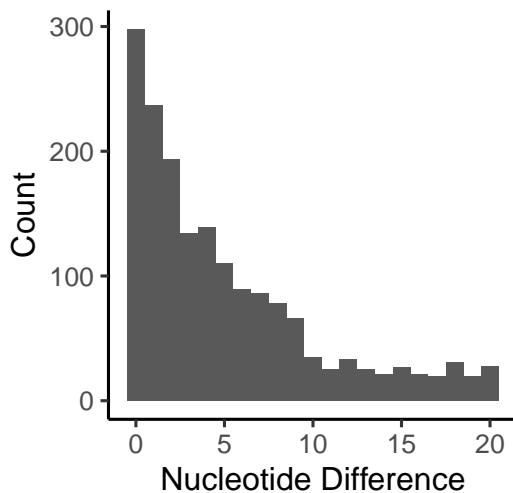
### IGHV3-21\*04

1882 sequences assigned  
131 (7%) exact matches, in which:  
114 unique CDR3  
6 unique J



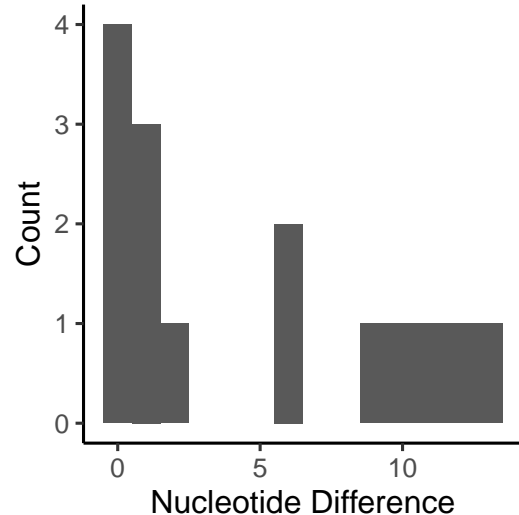
### IGHV3-30\*03\_T288C

3506 sequences assigned  
298 (8.5%) exact matches, in which:  
243 unique CDR3  
6 unique J



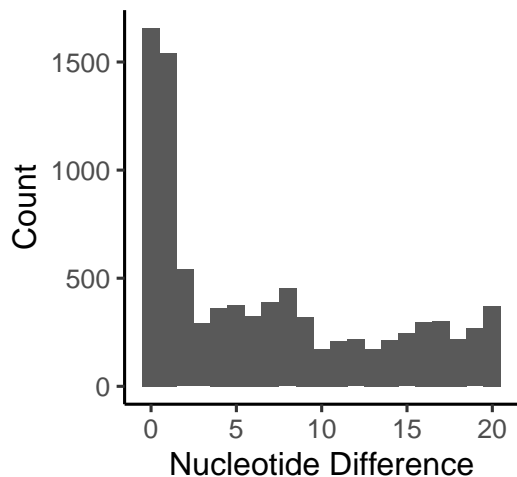
### IGHV3-35\*01

15 sequences assigned  
4 (26.7%) exact matches, in which:  
3 unique CDR3  
1 unique J



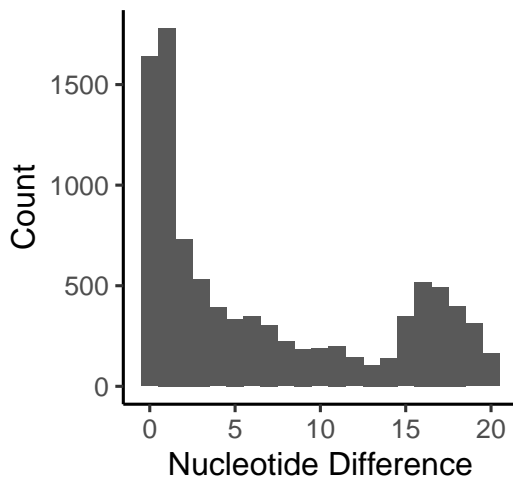
### IGHV3-21\*01\_02

11428 sequences assigned  
1657 (14.5%) exact matches, in which:  
1066 unique CDR3  
6 unique J



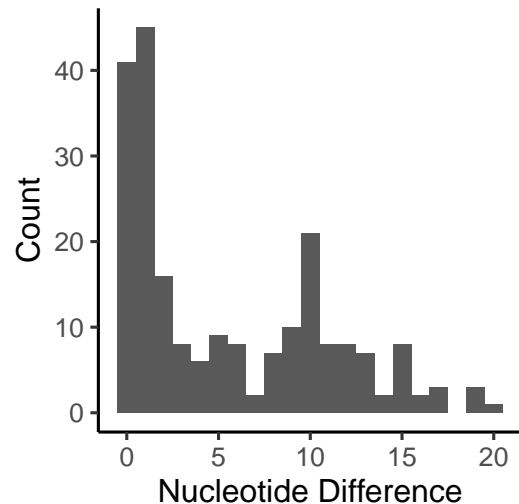
### IGHV3-33\*01

10461 sequences assigned  
1640 (15.7%) exact matches, in which:  
1048 unique CDR3  
6 unique J



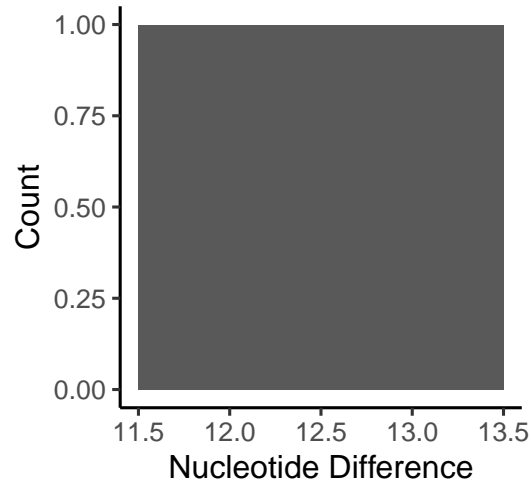
### IGHV3-43\*01

1301 sequences assigned  
41 (3.2%) exact matches, in which:  
25 unique CDR3  
3 unique J



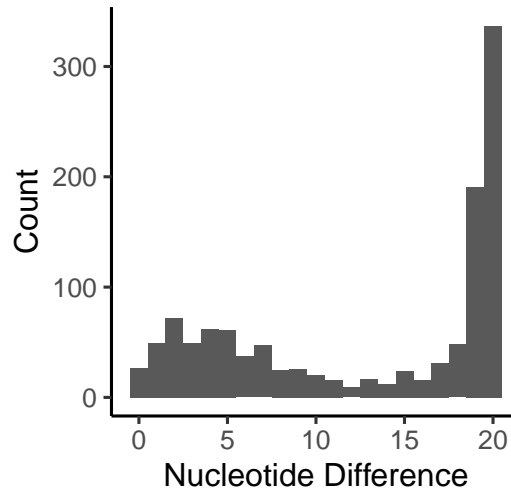
### IGHV3-47\*02

2 sequences assigned  
No exact matches.



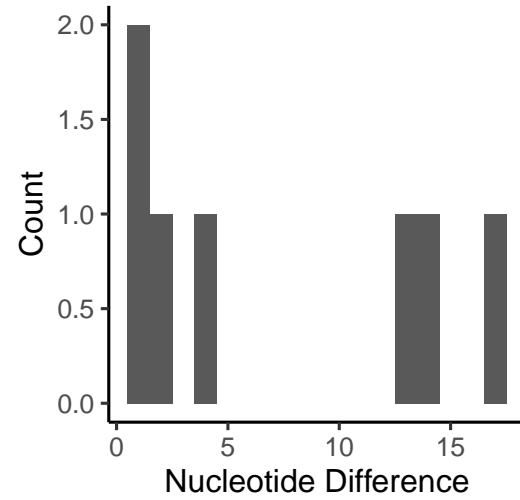
### IGHV3-48\*04

1362 sequences assigned  
27 (2%) exact matches, in which:  
27 unique CDR3  
4 unique J



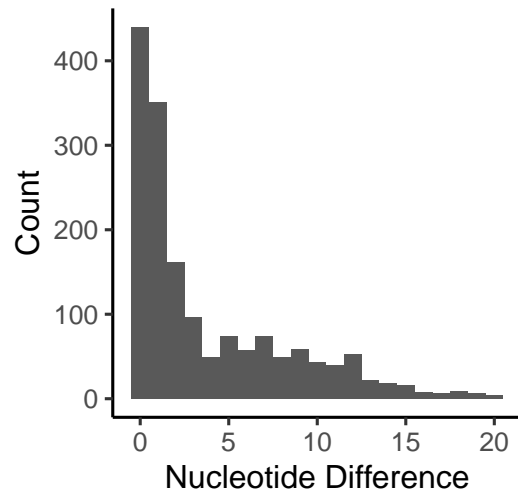
### IGHV3-52\*01\_03

7 sequences assigned  
No exact matches.



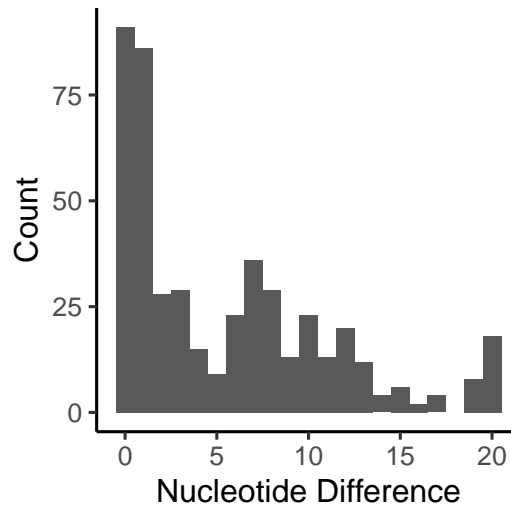
### IGHV3-48\*02

2932 sequences assigned  
440 (15%) exact matches, in which:  
283 unique CDR3  
6 unique J



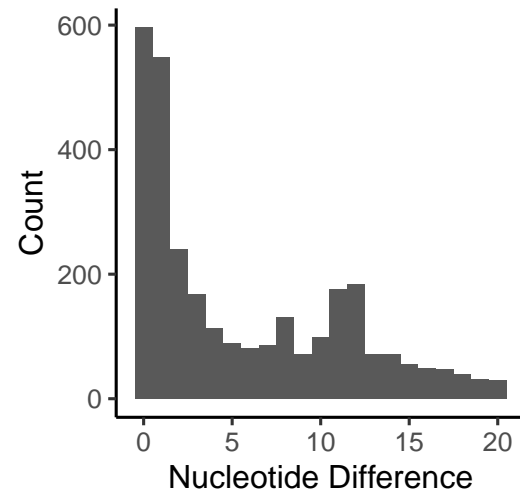
### IGHV3-49\*04

796 sequences assigned  
91 (11.4%) exact matches, in which:  
50 unique CDR3  
5 unique J



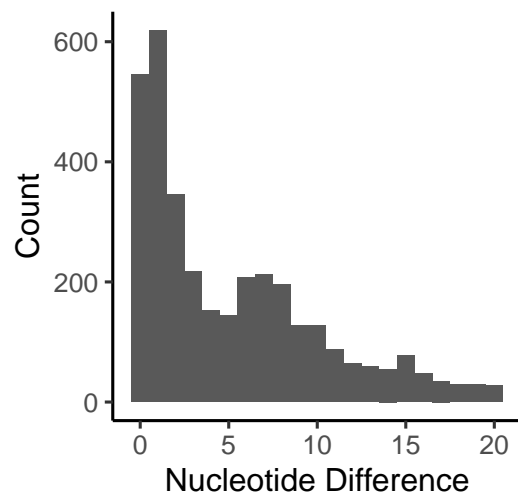
### IGHV3-53\*01\_02

3640 sequences assigned  
597 (16.4%) exact matches, in which:  
409 unique CDR3  
6 unique J



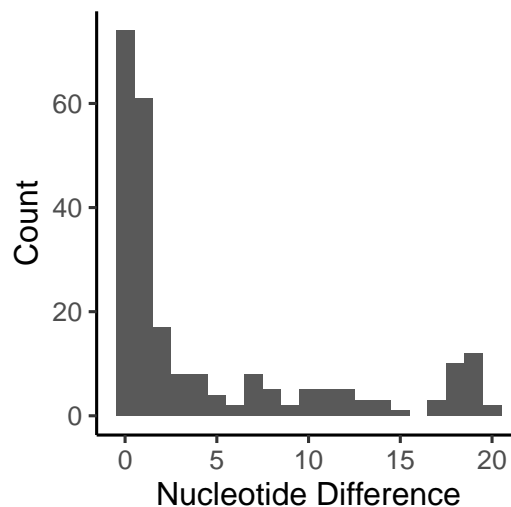
### IGHV3-48\*03

3682 sequences assigned  
546 (14.8%) exact matches, in which:  
338 unique CDR3  
6 unique J



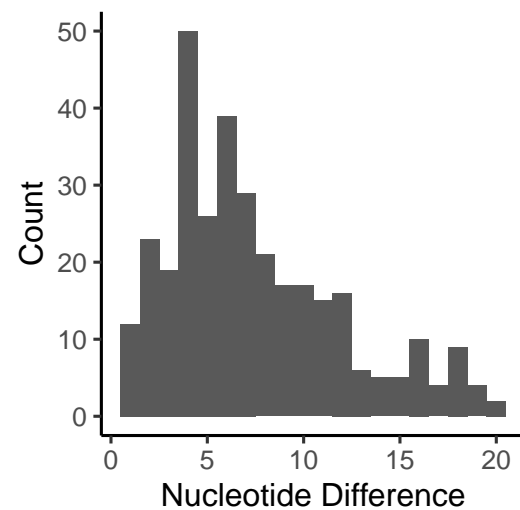
### IGHV3-49\*03\_05

247 sequences assigned  
74 (30%) exact matches, in which:  
46 unique CDR3  
5 unique J



### IGHV3-64\*04

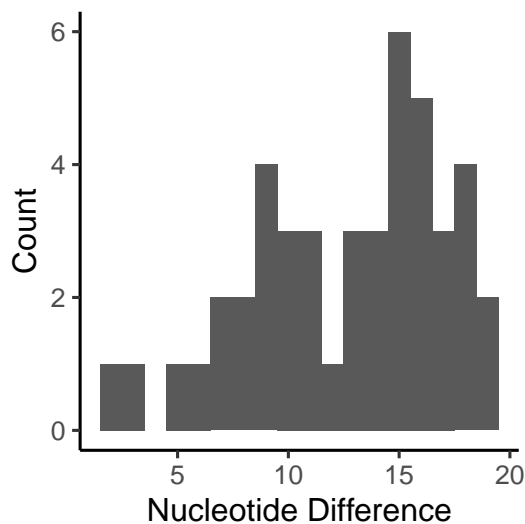
345 sequences assigned  
No exact matches.





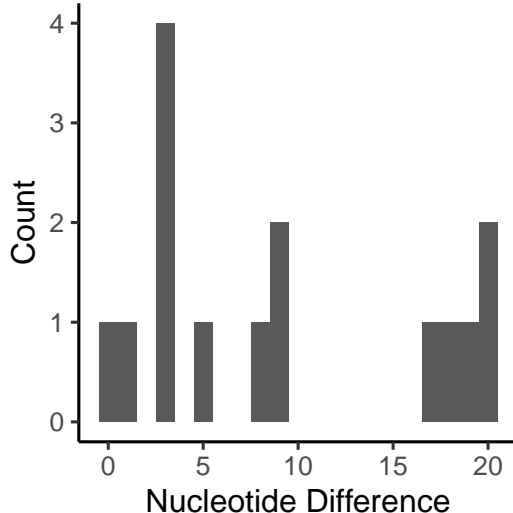
### IGHV3-66\*01

47 sequences assigned  
No exact matches.



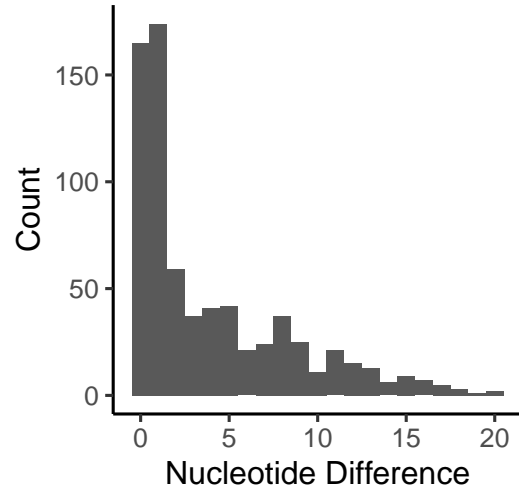
### IGHV3-69-1\*01

17 sequences assigned  
1 (5.9%) exact matches, in which:  
1 unique CDR3  
1 unique J



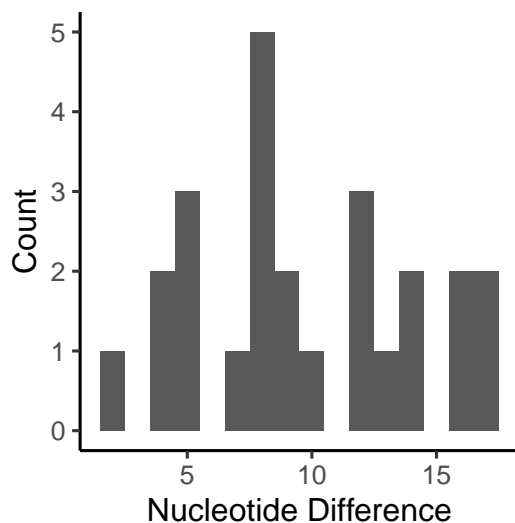
### IGHV3-73\*01\_02

752 sequences assigned  
165 (21.9%) exact matches, in which:  
115 unique CDR3  
6 unique J



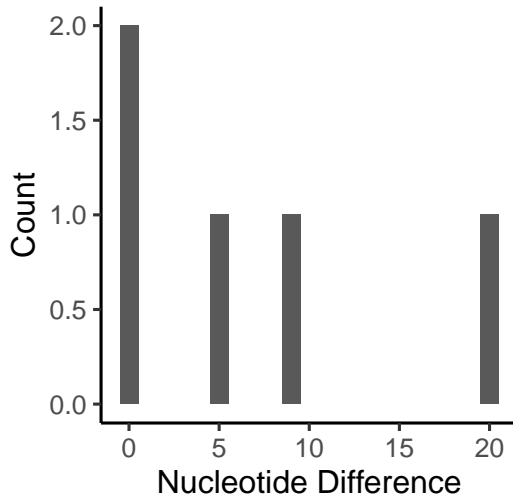
### IGHV3-66\*02

30 sequences assigned  
No exact matches.



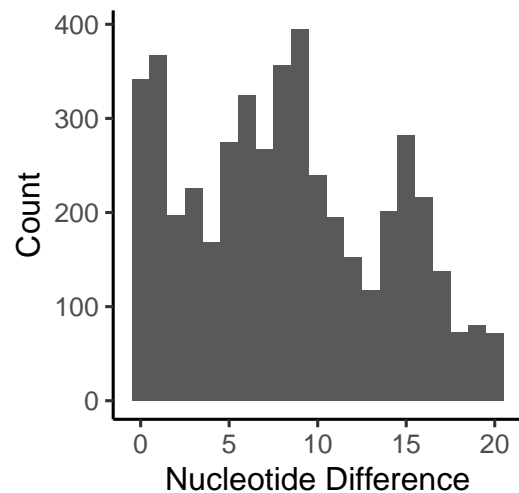
### IGHV3-69-1\*02

5 sequences assigned  
2 (40%) exact matches, in which:  
2 unique CDR3  
1 unique J



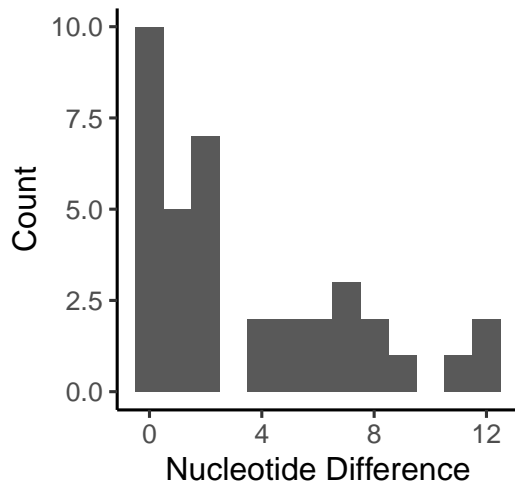
### IGHV3-74\*01\_02

4951 sequences assigned  
342 (6.9%) exact matches, in which:  
237 unique CDR3  
5 unique J



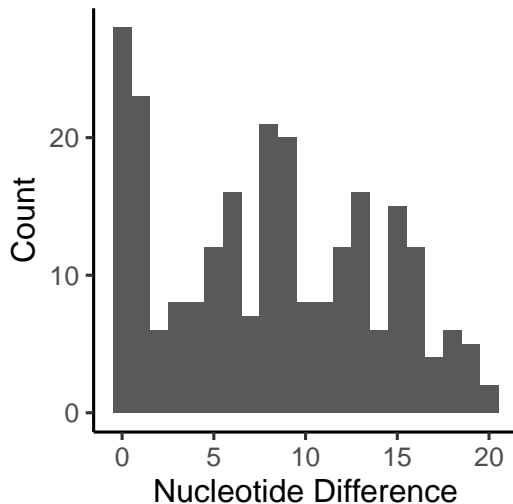
### IGHV3-66\*03

37 sequences assigned  
10 (27%) exact matches, in which:  
10 unique CDR3  
5 unique J



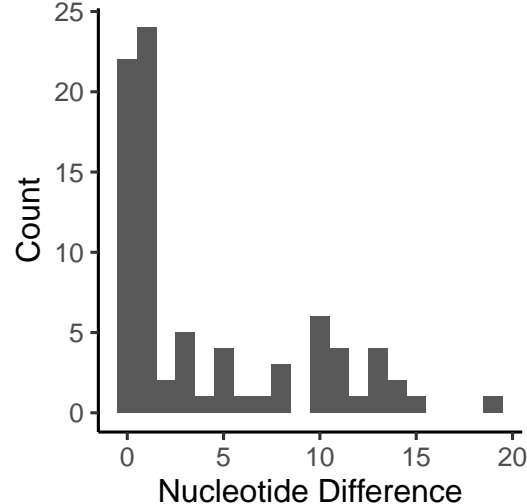
### IGHV3-72\*01

253 sequences assigned  
28 (11.1%) exact matches, in which:  
18 unique CDR3  
5 unique J



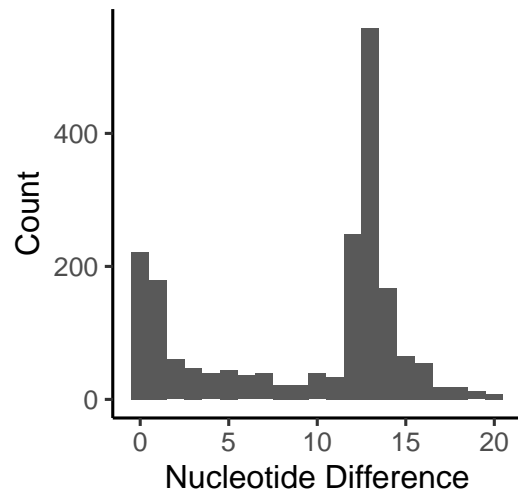
### IGHV3-43D\*04

82 sequences assigned  
22 (26.8%) exact matches, in which:  
13 unique CDR3  
3 unique J



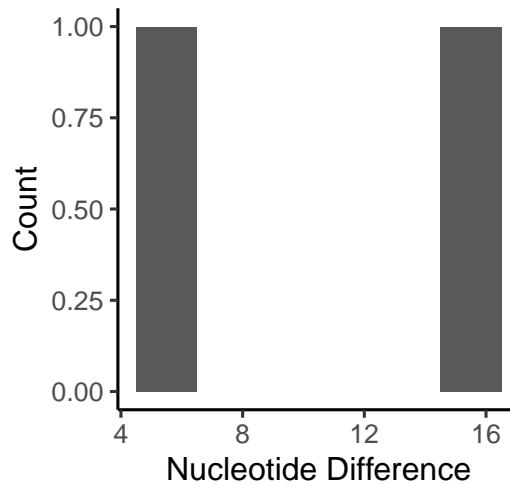
### IGHV3-64D\*06

2072 sequences assigned  
222 (10.7%) exact matches, in which:  
134 unique CDR3  
6 unique J



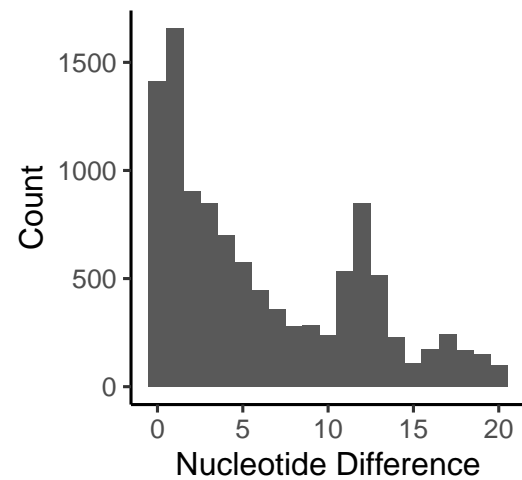
### IGHV4-28\*01\_07

4 sequences assigned  
No exact matches.



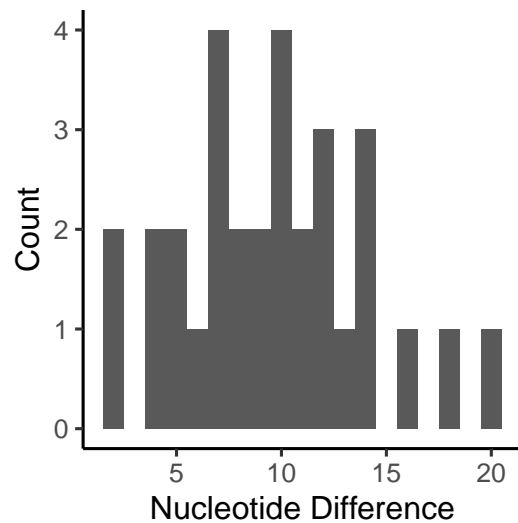
### IGHV4-31\*03\_04

14693 sequences assigned  
1415 (9.6%) exact matches, in which:  
1089 unique CDR3  
6 unique J



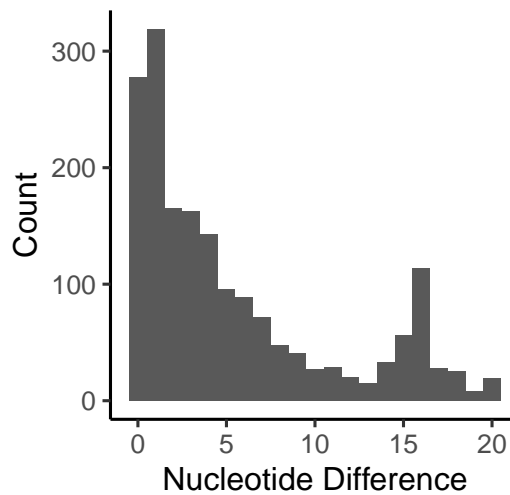
### IGHV3-NL1\*01

39 sequences assigned  
No exact matches.



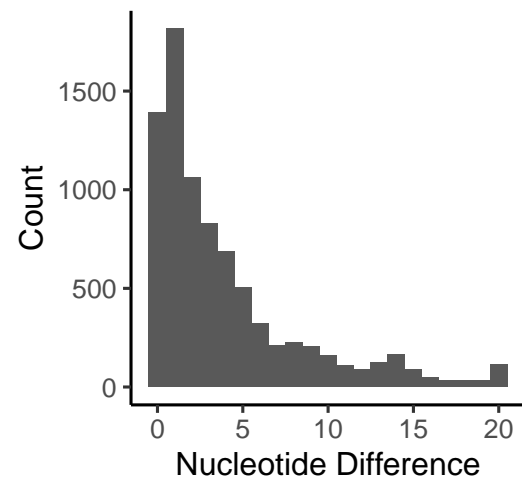
### IGHV4-30-4\*01

3197 sequences assigned  
278 (8.7%) exact matches, in which:  
210 unique CDR3  
6 unique J



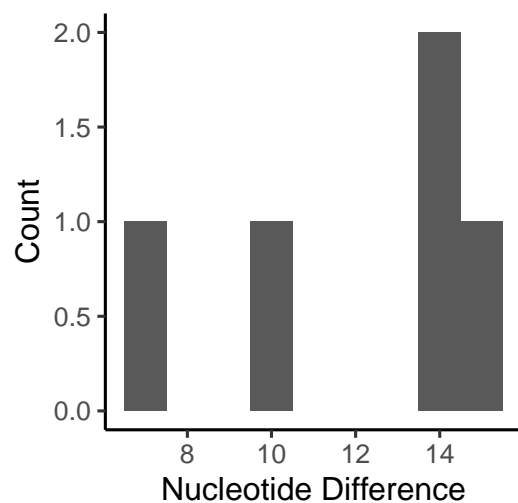
### IGHV4-34\*01\_02

9657 sequences assigned  
1393 (14.4%) exact matches, in which:  
959 unique CDR3  
6 unique J



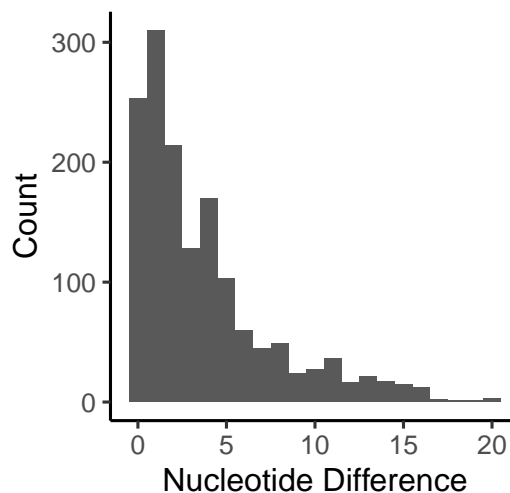
### IGHV4-28\*03

5 sequences assigned  
No exact matches.



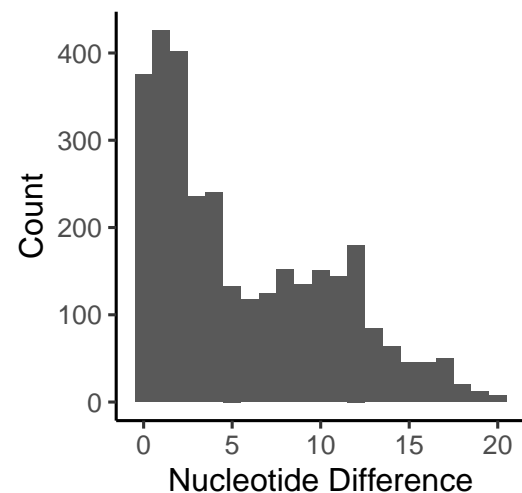
### IGHV4-30-2\*01

1544 sequences assigned  
253 (16.4%) exact matches, in which:  
192 unique CDR3  
6 unique J



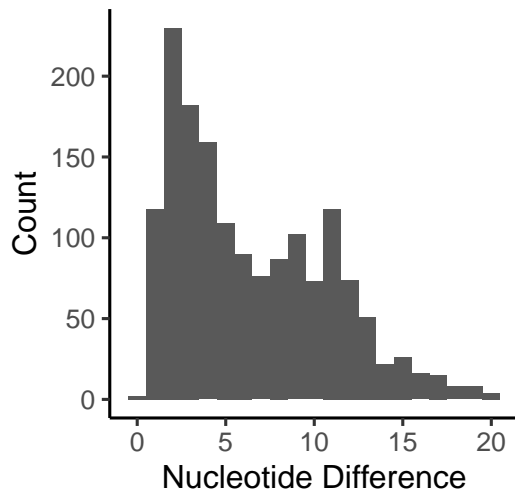
### IGHV4-38-2\*01

3218 sequences assigned  
375 (11.7%) exact matches, in which:  
275 unique CDR3  
6 unique J



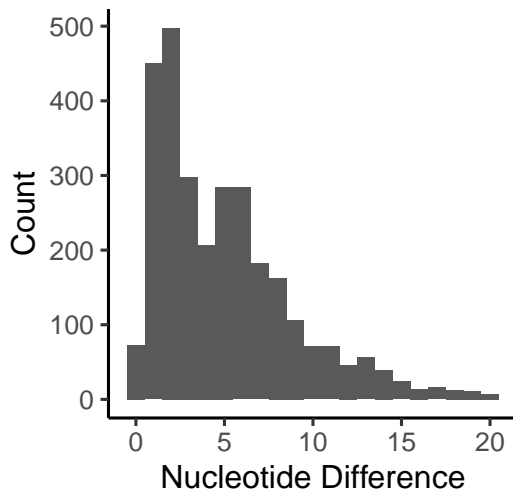
### IGHV4-39\*07

1845 sequences assigned  
2 (0.1%) exact matches, in which:  
2 unique CDR3  
2 unique J



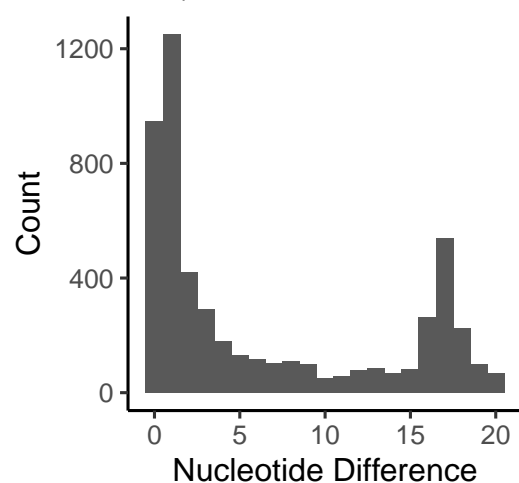
### IGHV4-59\*12

2988 sequences assigned  
73 (2.4%) exact matches, in which:  
72 unique CDR3  
6 unique J



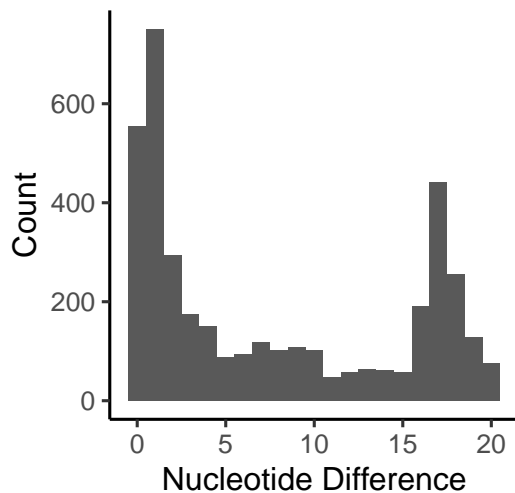
### IGHV5-10-1\*01\_03

6689 sequences assigned  
947 (14.2%) exact matches, in which:  
585 unique CDR3  
6 unique J



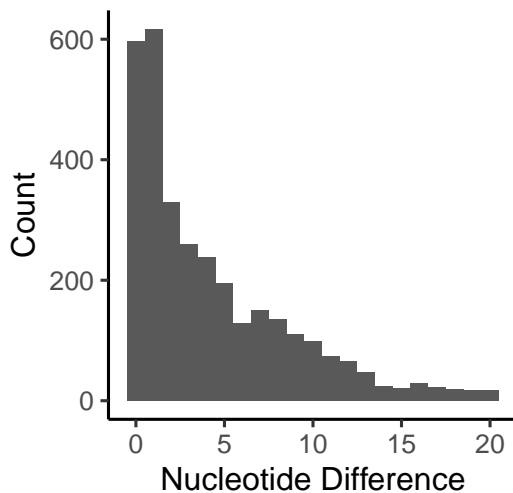
### IGHV4-39\*01\_05

4247 sequences assigned  
555 (13.1%) exact matches, in which:  
397 unique CDR3  
6 unique J



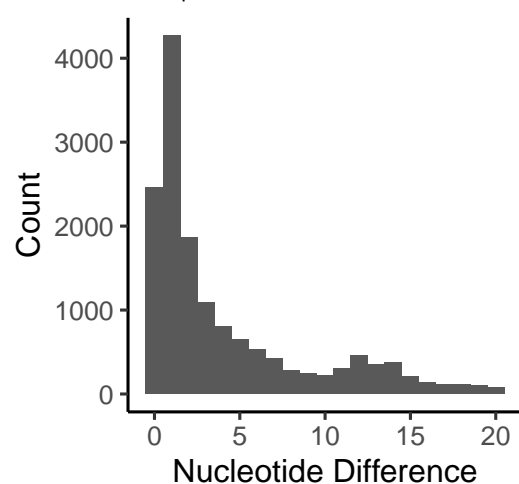
### IGHV4-61\*01

3753 sequences assigned  
596 (15.9%) exact matches, in which:  
501 unique CDR3  
6 unique J



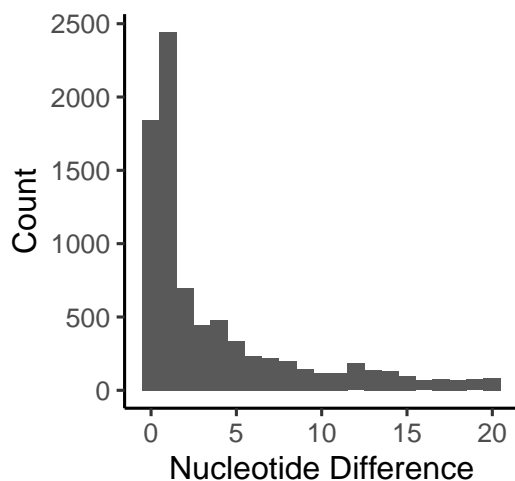
### IGHV5-51\*01\_03

15760 sequences assigned  
2456 (15.6%) exact matches, in which:  
1328 unique CDR3  
6 unique J



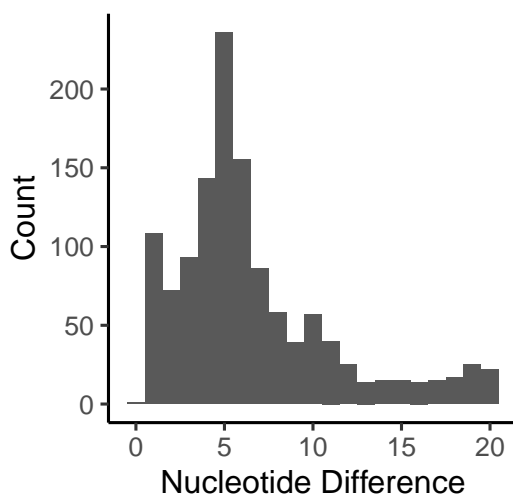
### IGHV4-59\*01\_07

9168 sequences assigned  
1845 (20.1%) exact matches, in which:  
1380 unique CDR3  
6 unique J



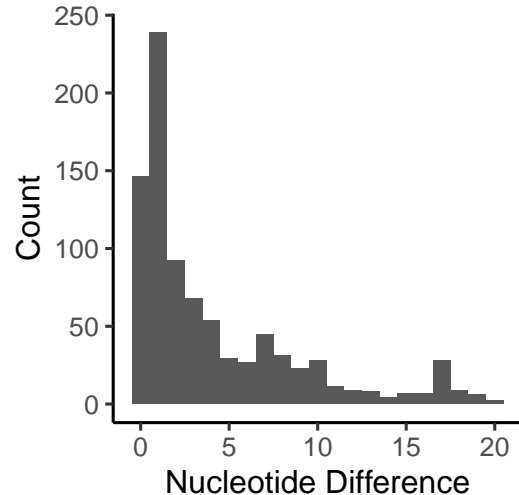
### IGHV4-61\*08

1318 sequences assigned  
1 (0.1%) exact matches, in which:  
1 unique CDR3  
1 unique J



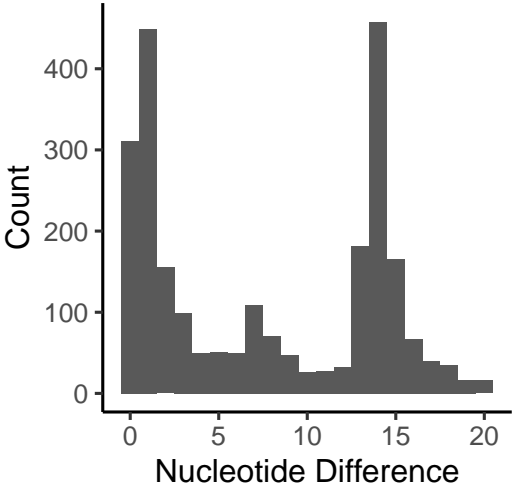
### IGHV6-1\*01\_02

934 sequences assigned  
146 (15.6%) exact matches, in which:  
125 unique CDR3  
4 unique J



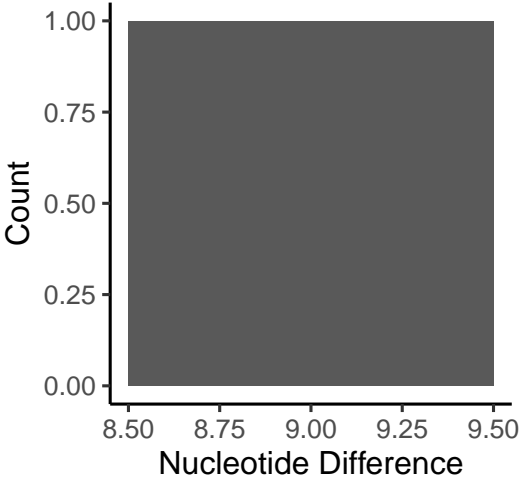
IGHV7-4-1\*02

2479 sequences assigned  
311 (12.5%) exact matches, in which:  
234 unique CDR3  
6 unique J



IGHV7-81\*01

1 sequences assigned  
No exact matches.





Warning – no inferred sequences found.

Novel sequence(s) IGHV3–33\*01\_G75C IGHV4–59\*02\_G88A IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3–33\*01\_G75C IGHV4–59\*02\_G88A IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3–30\*03\_T288C IGHV4–59\*02\_G88A IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1–69\*04\_09\_G112A IGHV4–59\*02\_G88A IGHV5–10–1\*01\_03\_T258C IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s) IGHV1–69\*08\_C191T IGHV3–48\*03\_T303G IGHV4–59\*02\_G88A IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s) IGHV3–30\*03\_T288C IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

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

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

Novel sequence(s) IGHV1–69\*04\_09\_G112A 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\*08\_C191T IGHV3–30\*03\_T288C IGHV3–30–3\*02\_G75C 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.