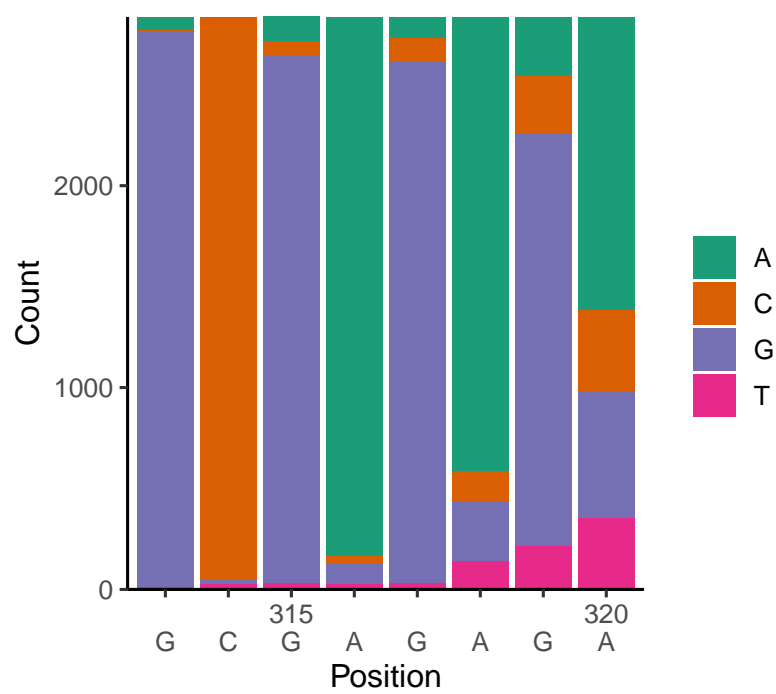


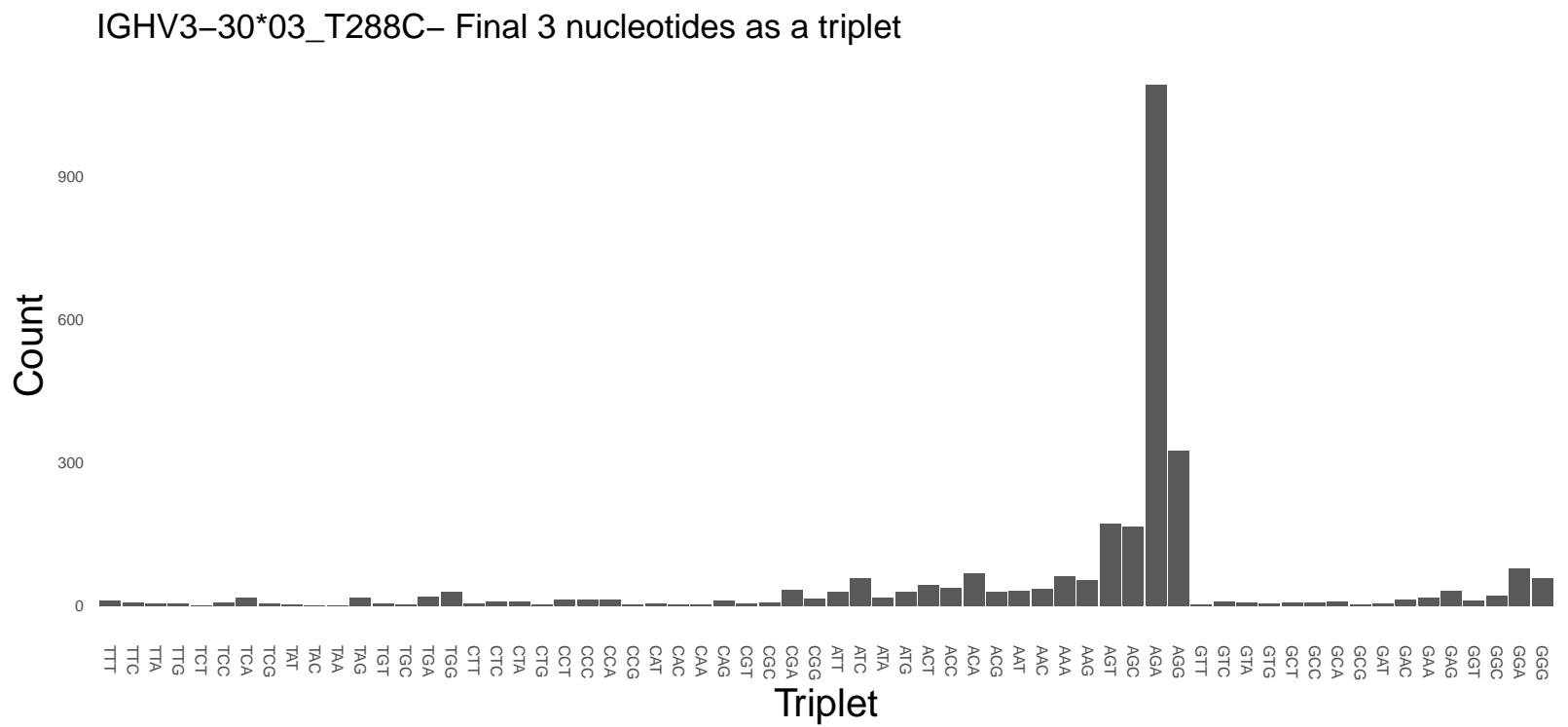
Gene IGHV3-30*03_T288C



Gene IGHV3-30*03_T288C

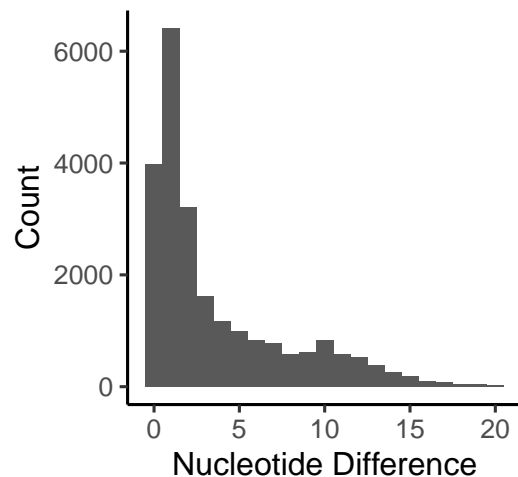


IGHV3-30*03_T288C- Final 3 nucleotides as a triplet



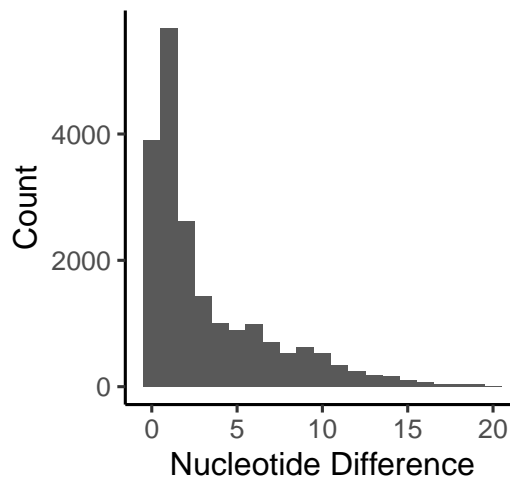
IGHV1-2*02

23329 sequences assigned
3972 (17%) exact matches, in which:
3290 unique CDR3
7 unique J



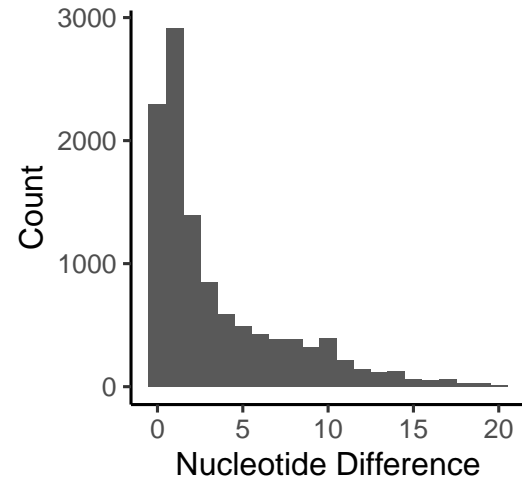
IGHV1-18*01

20186 sequences assigned
3899 (19.3%) exact matches, in which:
3200 unique CDR3
7 unique J



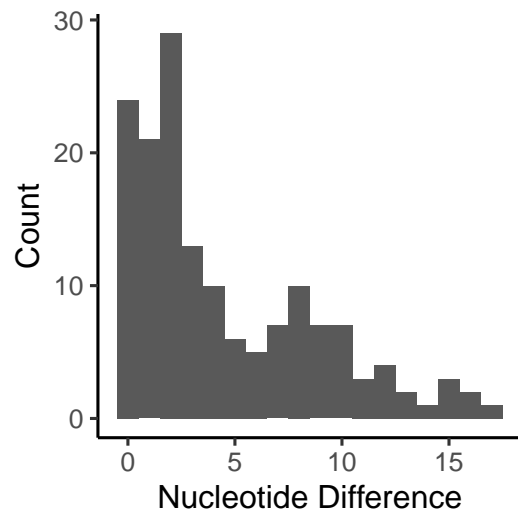
IGHV1-46*01

11377 sequences assigned
2300 (20.2%) exact matches, in which:
1970 unique CDR3
7 unique J



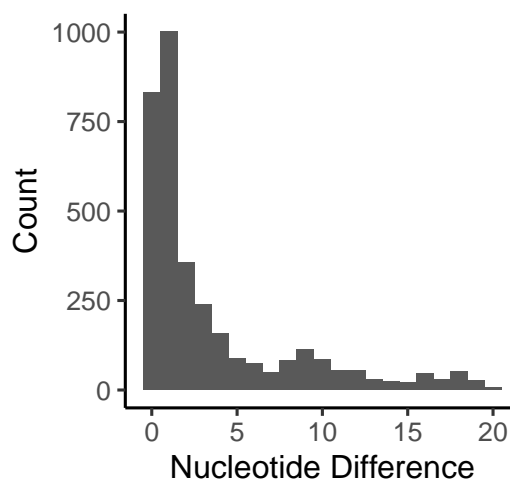
IGHV1-3*02

157 sequences assigned
24 (15.3%) exact matches, in which:
23 unique CDR3
6 unique J



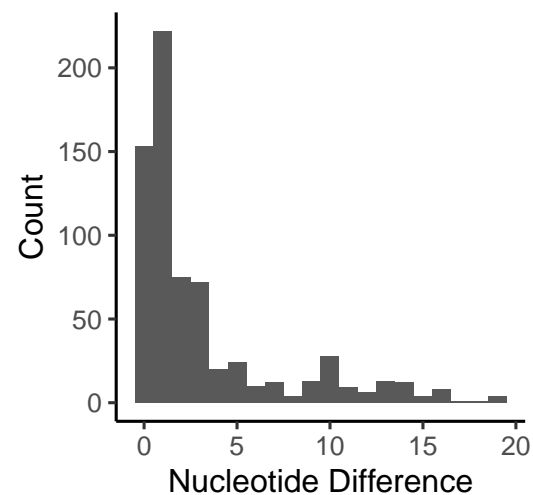
IGHV1-24*01

3445 sequences assigned
832 (24.2%) exact matches, in which:
698 unique CDR3
7 unique J



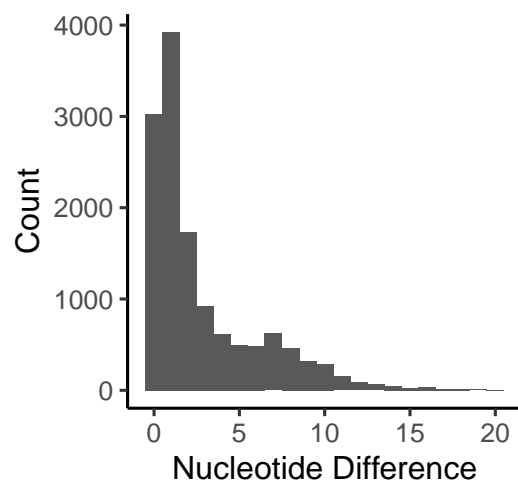
IGHV1-58*02

694 sequences assigned
153 (22%) exact matches, in which:
133 unique CDR3
6 unique J



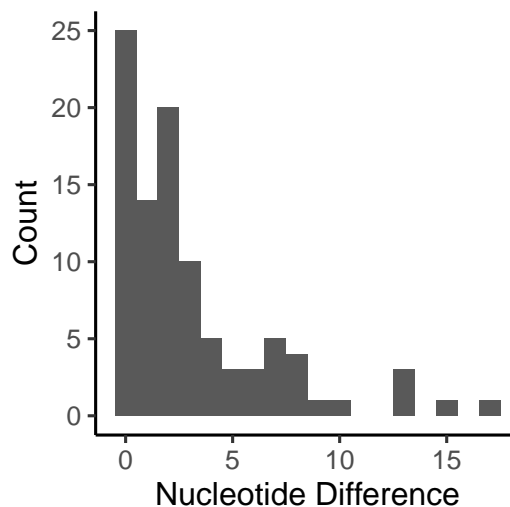
IGHV1-8*01

13366 sequences assigned
3029 (22.7%) exact matches, in which:
2593 unique CDR3
7 unique J



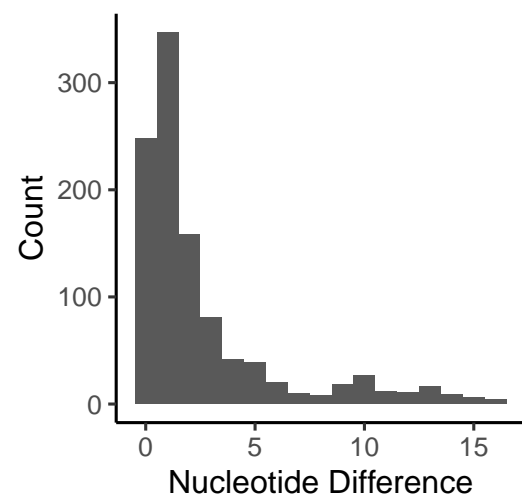
IGHV1-45*02

96 sequences assigned
25 (26%) exact matches, in which:
24 unique CDR3
5 unique J



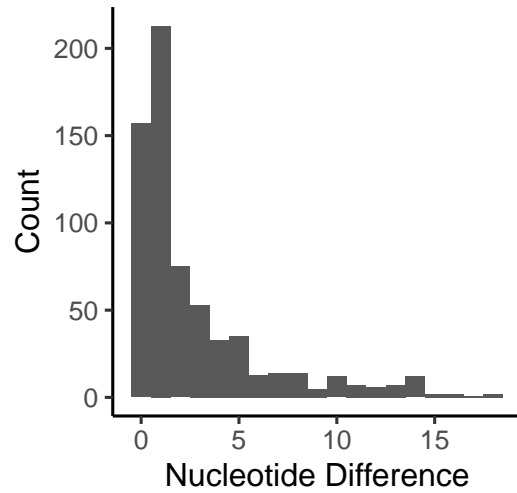
IGHV1-58*01_03

1057 sequences assigned
248 (23.5%) exact matches, in which:
215 unique CDR3
7 unique J



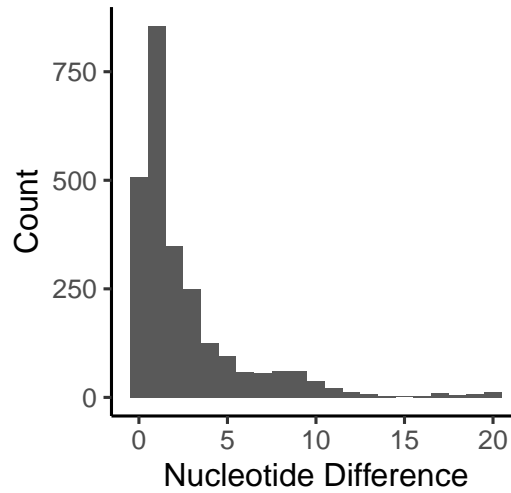
IGHV1-69-2*01

666 sequences assigned
157 (23.6%) exact matches, in which:
129 unique CDR3
7 unique J



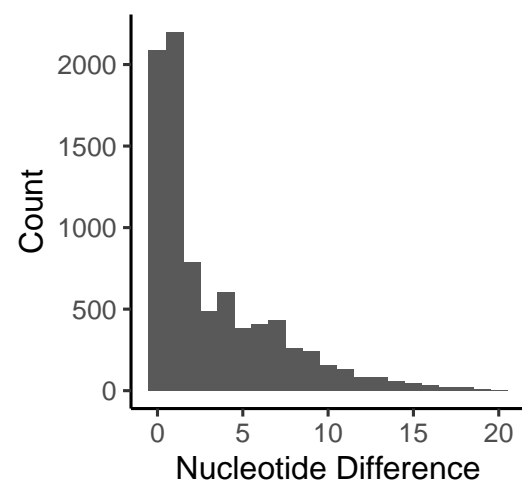
IGHV2-26*01

2611 sequences assigned
507 (19.4%) exact matches, in which:
394 unique CDR3
7 unique J



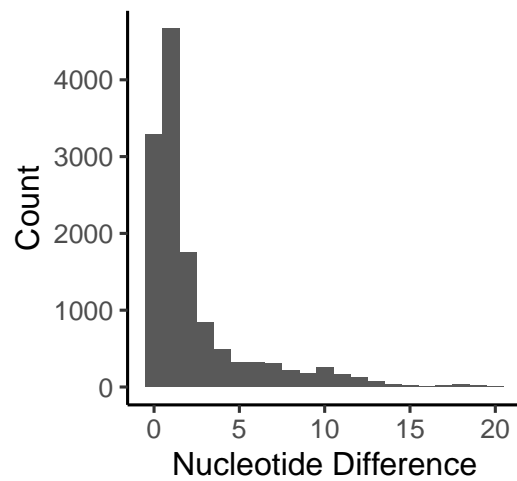
IGHV3-7*01

8606 sequences assigned
2086 (24.2%) exact matches, in which:
1805 unique CDR3
7 unique J



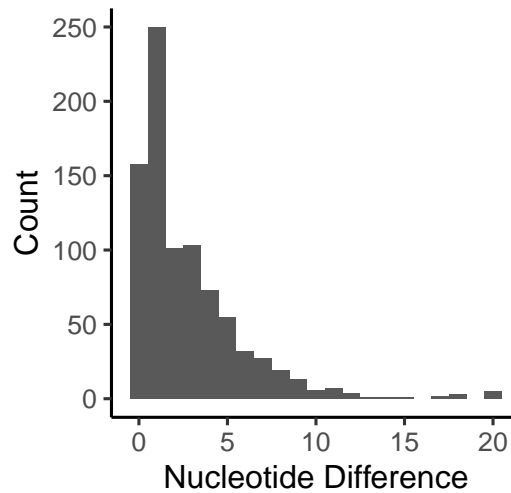
IGHV1-69*04_09

13107 sequences assigned
3283 (25%) exact matches, in which:
2764 unique CDR3
7 unique J



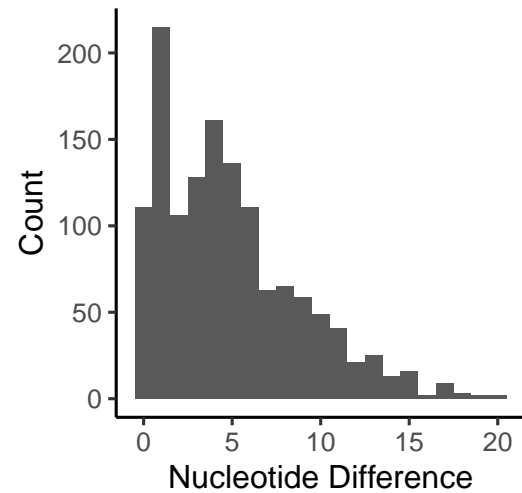
IGHV2-70*01

884 sequences assigned
158 (17.9%) exact matches, in which:
130 unique CDR3
6 unique J



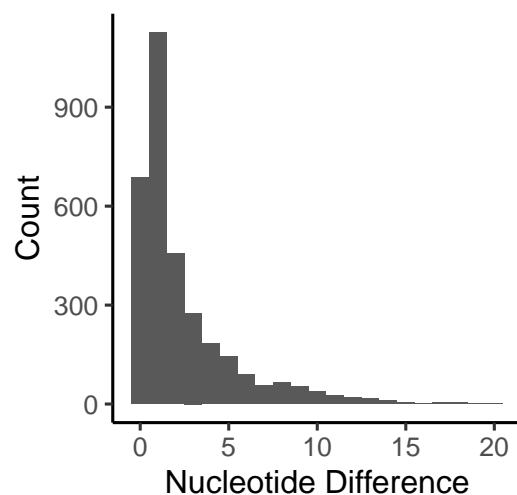
IGHV3-7*03

1342 sequences assigned
111 (8.3%) exact matches, in which:
110 unique CDR3
6 unique J



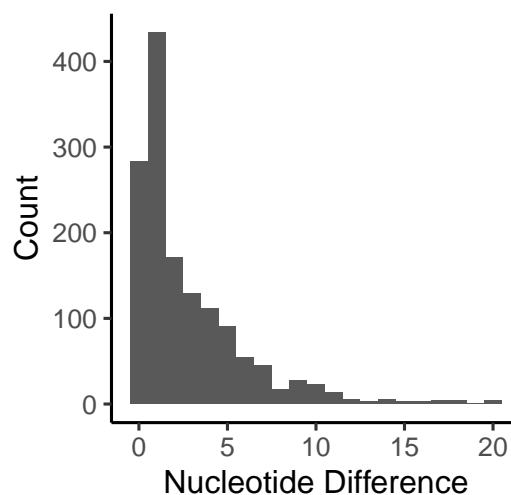
IGHV2-5*01

3300 sequences assigned
687 (20.8%) exact matches, in which:
549 unique CDR3
7 unique J



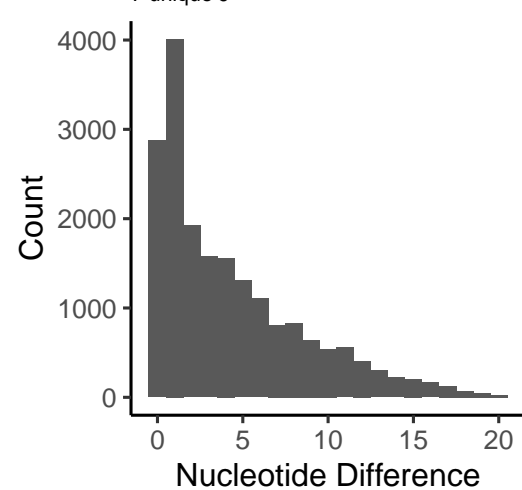
IGHV2-70*11_15

1468 sequences assigned
283 (19.3%) exact matches, in which:
226 unique CDR3
7 unique J



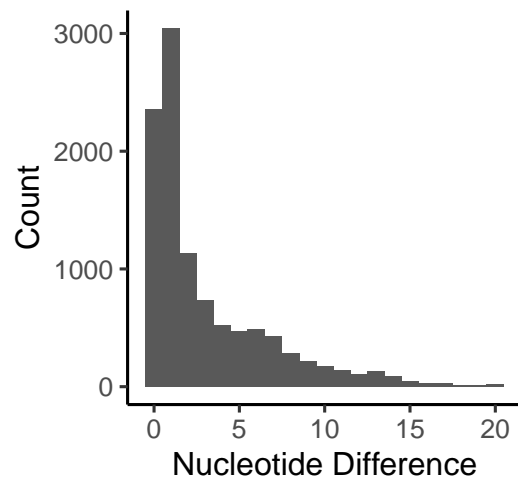
IGHV3-9*01

19379 sequences assigned
2874 (14.8%) exact matches, in which:
2362 unique CDR3
7 unique J



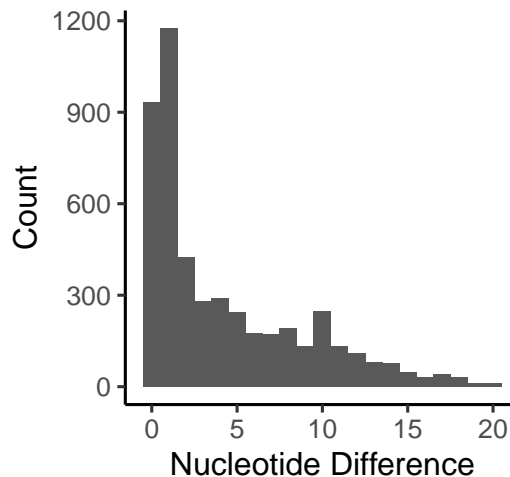
IGHV3-11*01

10526 sequences assigned
2357 (22.4%) exact matches, in which:
2020 unique CDR3
7 unique J



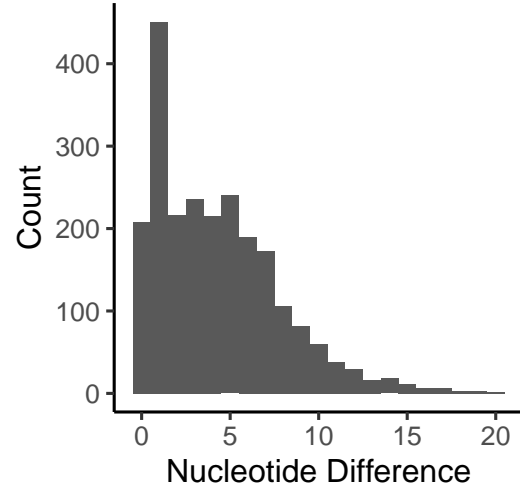
IGHV3-15*01_02

4870 sequences assigned
933 (19.2%) exact matches, in which:
785 unique CDR3
7 unique J



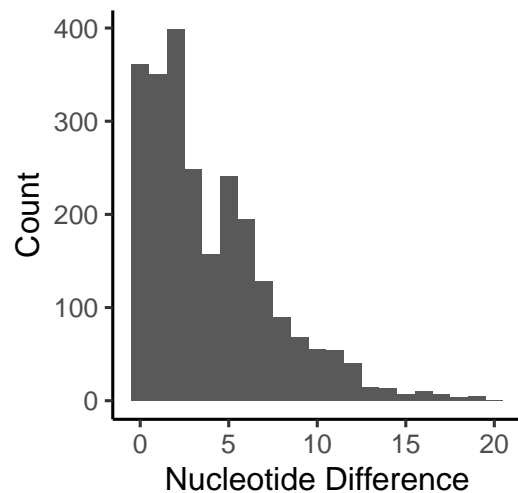
IGHV3-21*04

2317 sequences assigned
208 (9%) exact matches, in which:
206 unique CDR3
7 unique J



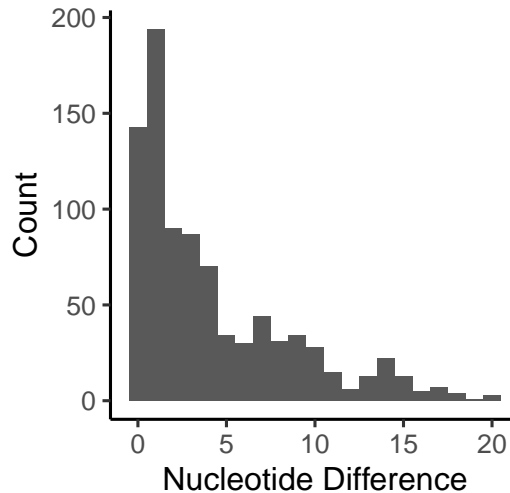
IGHV3-11*04

2451 sequences assigned
361 (14.7%) exact matches, in which:
359 unique CDR3
7 unique J



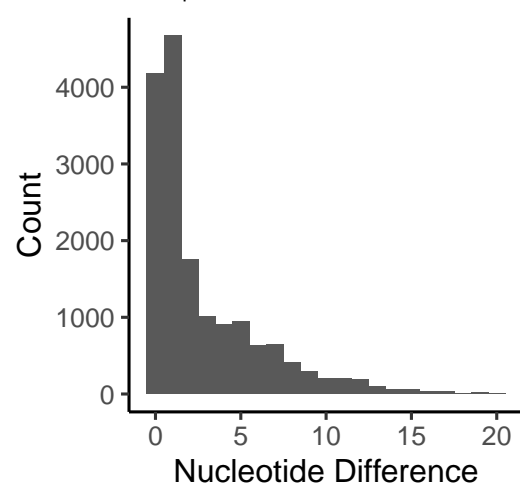
IGHV3-20*01_02

875 sequences assigned
143 (16.3%) exact matches, in which:
110 unique CDR3
6 unique J



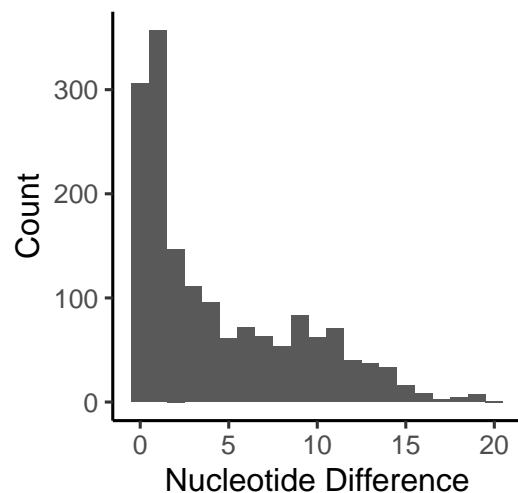
IGHV3-21*01_02

16369 sequences assigned
4179 (25.5%) exact matches, in which:
3531 unique CDR3
7 unique J



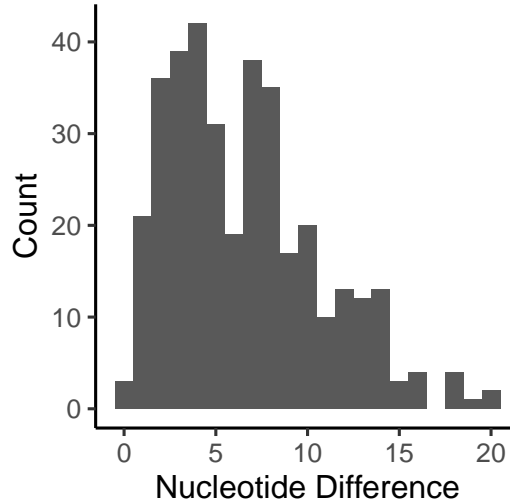
IGHV3-13*01

1633 sequences assigned
306 (18.7%) exact matches, in which:
253 unique CDR3
6 unique J



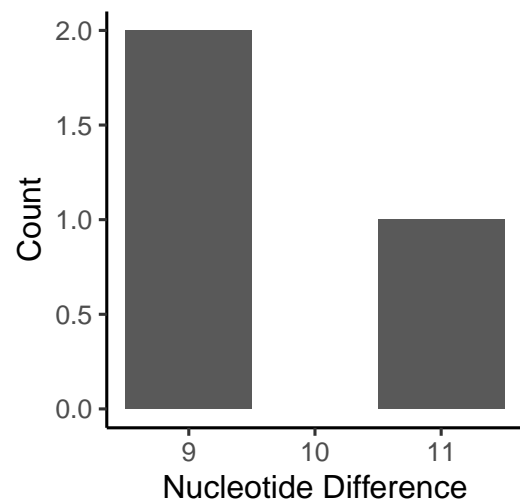
IGHV3-20*03_04

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



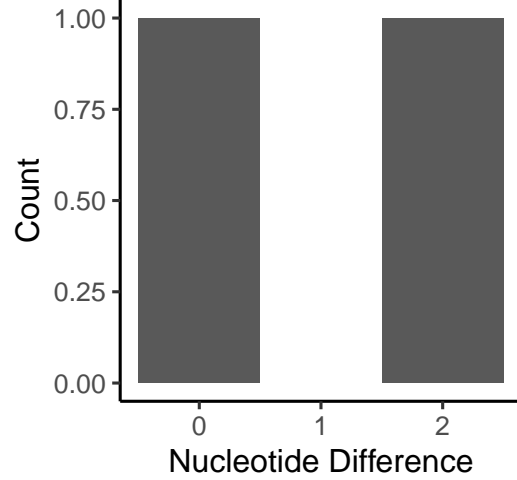
IGHV3-22*01_02

3 sequences assigned
No exact matches.



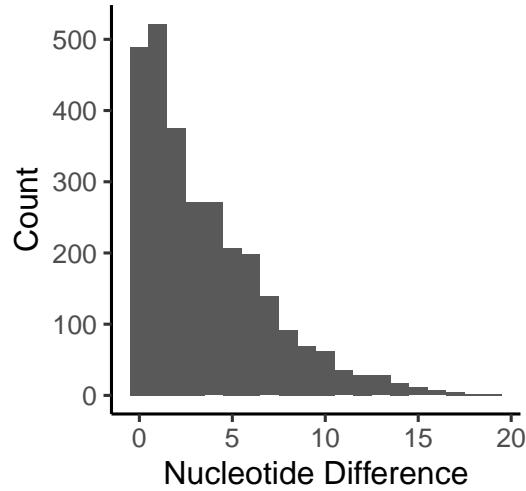
IGHV3-30-3*01

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



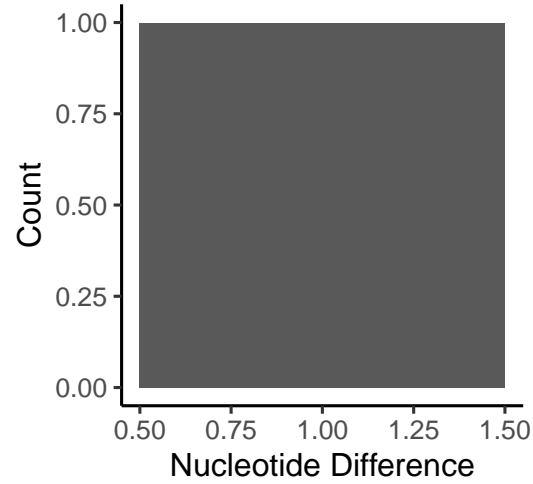
IGHV3-30*03_T288C

2836 sequences assigned
489 (17.2%) exact matches, in which:
485 unique CDR3
7 unique J



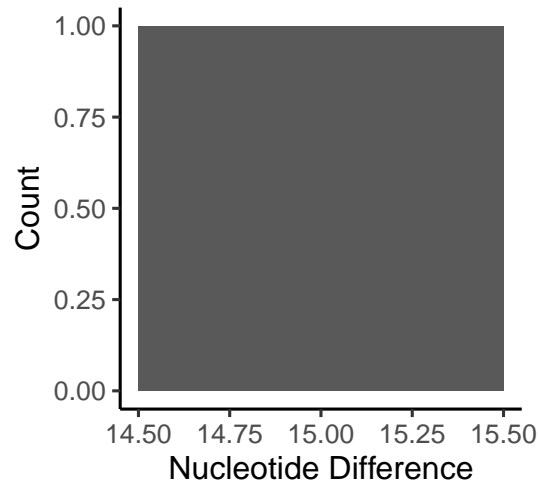
IGHV3-35*01

1 sequences assigned
No exact matches.



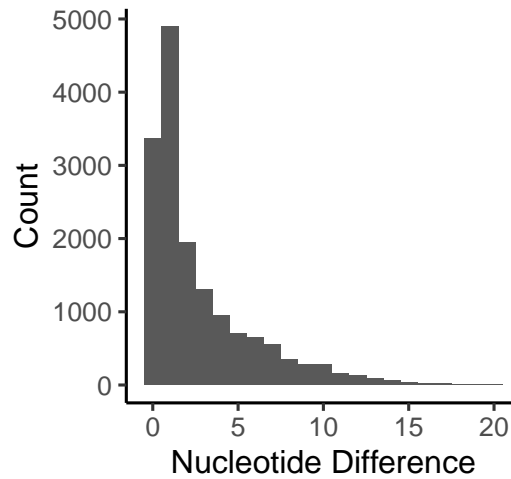
IGHV3-30-3*02

1 sequences assigned
No exact matches.



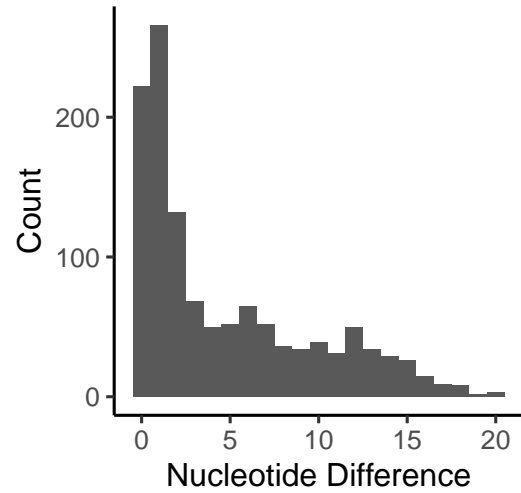
IGHV3-33*01

15831 sequences assigned
3371 (21.3%) exact matches, in which:
2823 unique CDR3
7 unique J



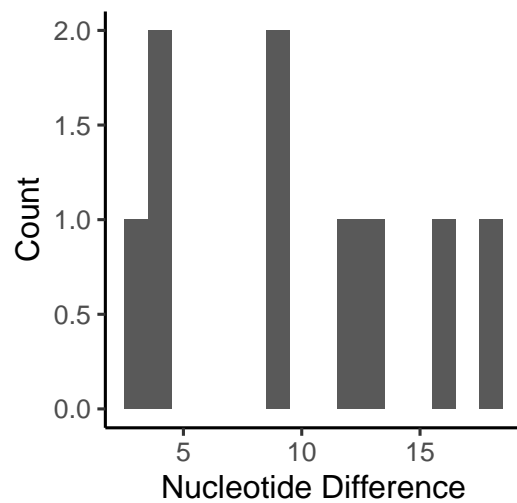
IGHV3-43*01

1228 sequences assigned
222 (18.1%) exact matches, in which:
197 unique CDR3
7 unique J



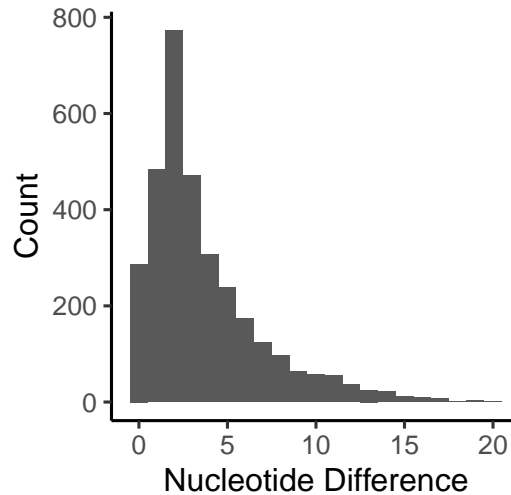
IGHV3-30-3*03

9 sequences assigned
No exact matches.



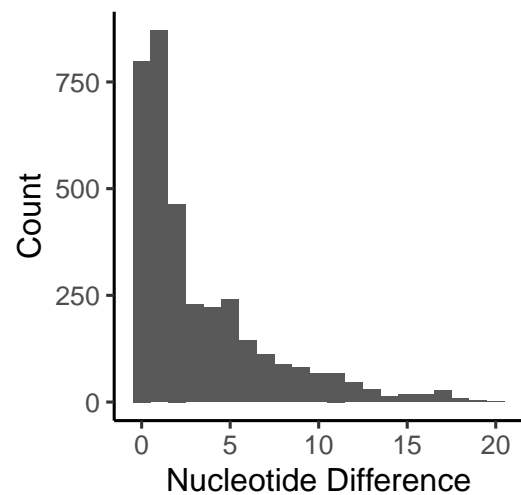
IGHV3-33*06

3252 sequences assigned
287 (8.8%) exact matches, in which:
285 unique CDR3
7 unique J



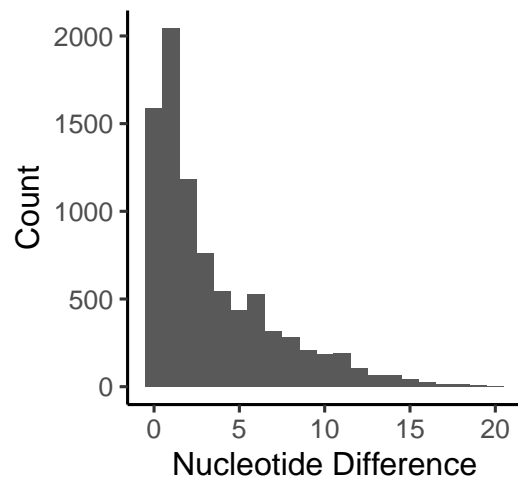
IGHV3-48*01

3550 sequences assigned
799 (22.5%) exact matches, in which:
682 unique CDR3
7 unique J



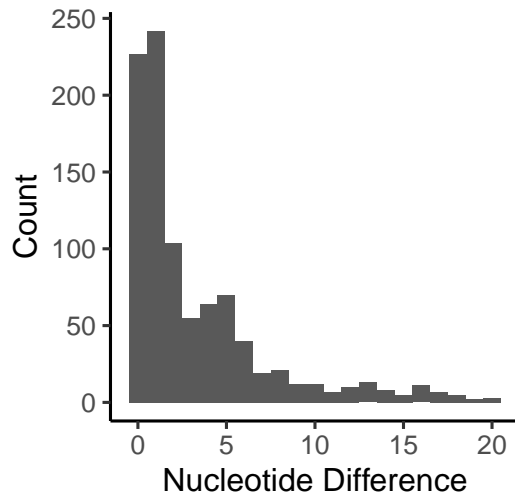
IGHV3-48*03

8630 sequences assigned
1586 (18.4%) exact matches, in which:
1354 unique CDR3
7 unique J



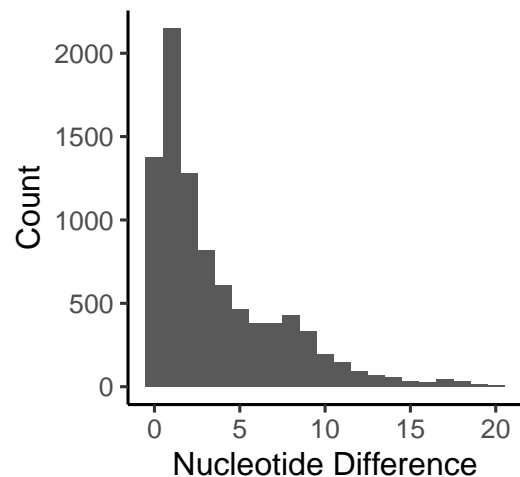
IGHV3-49*03_05

941 sequences assigned
227 (24.1%) exact matches, in which:
193 unique CDR3
6 unique J



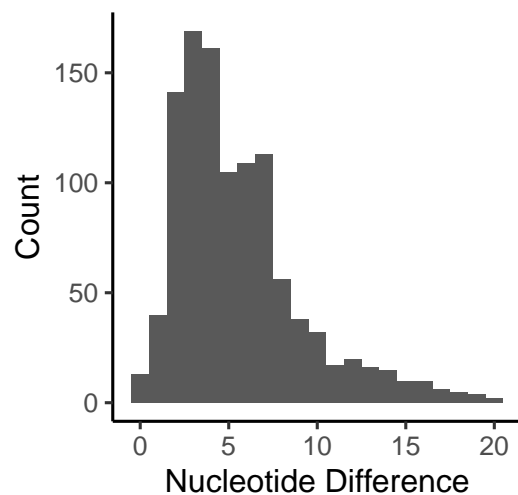
IGHV3-53*01_02

8970 sequences assigned
1375 (15.3%) exact matches, in which:
1130 unique CDR3
7 unique J



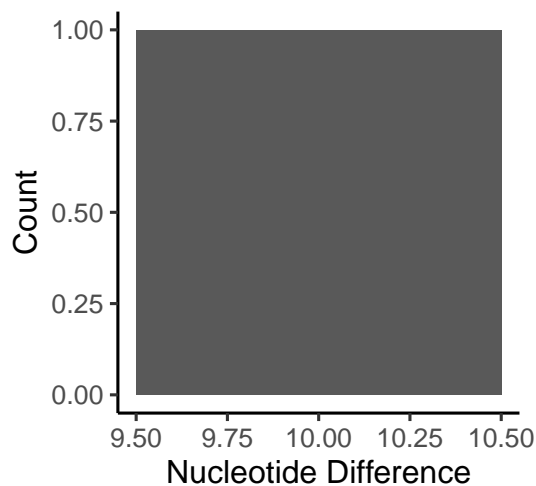
IGHV3-48*04

1088 sequences assigned
13 (1.2%) exact matches, in which:
13 unique CDR3
5 unique J



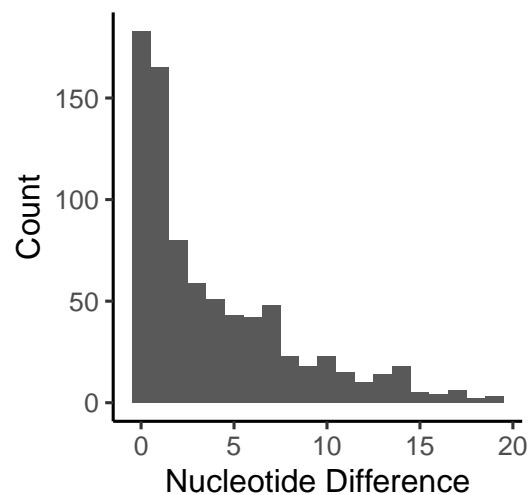
IGHV3-52*01_03

1 sequences assigned
No exact matches.



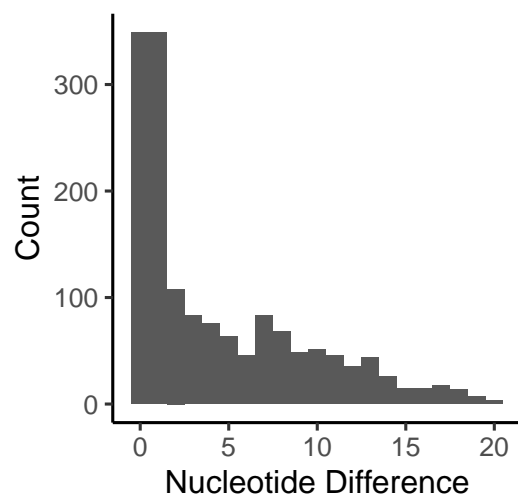
IGHV3-64*01

816 sequences assigned
183 (22.4%) exact matches, in which:
162 unique CDR3
6 unique J



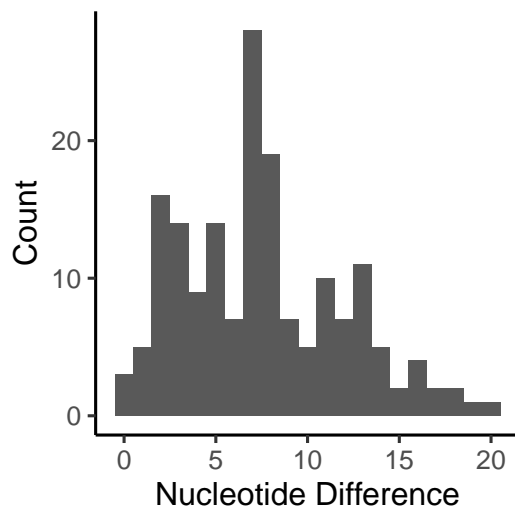
IGHV3-49*04

1554 sequences assigned
349 (22.5%) exact matches, in which:
293 unique CDR3
7 unique J



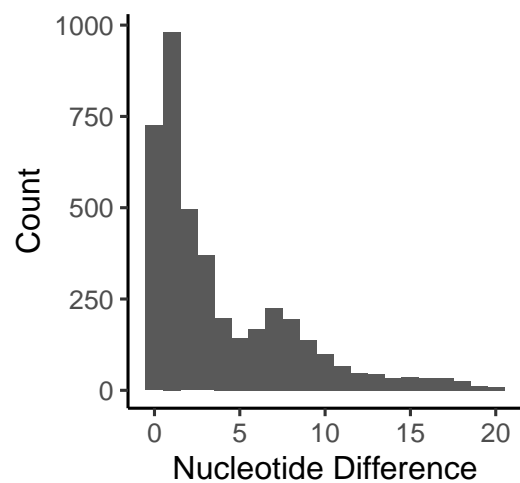
IGHV3-53*05

175 sequences assigned
3 (1.7%) exact matches, in which:
3 unique CDR3
1 unique J



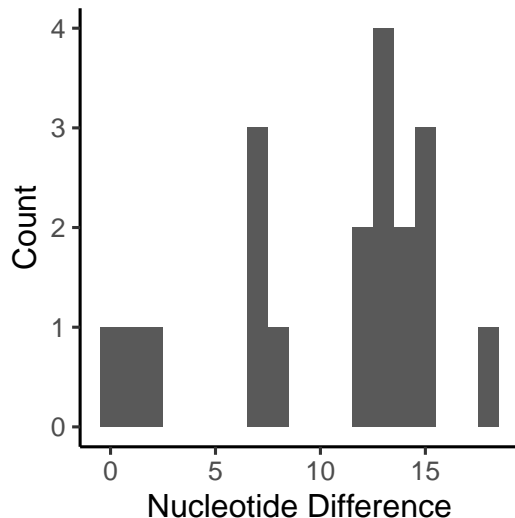
IGHV3-66*01

4098 sequences assigned
725 (17.7%) exact matches, in which:
612 unique CDR3
7 unique J



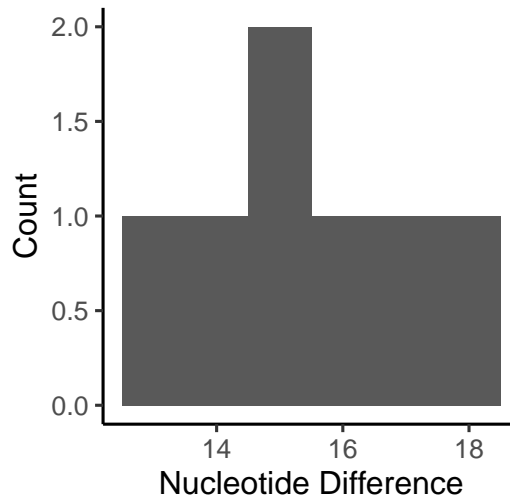
IGHV3-66*03

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



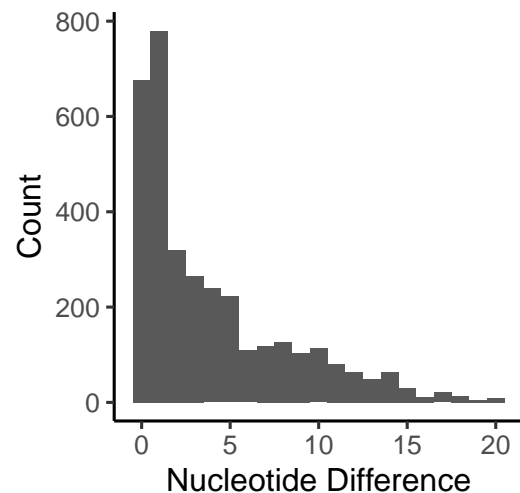
IGHV3-71*01_04

10 sequences assigned
No exact matches.



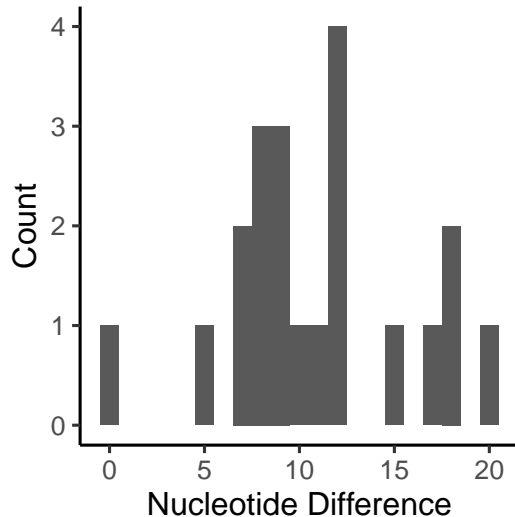
IGHV3-74*01_02

3424 sequences assigned
676 (19.7%) exact matches, in which:
588 unique CDR3
7 unique J



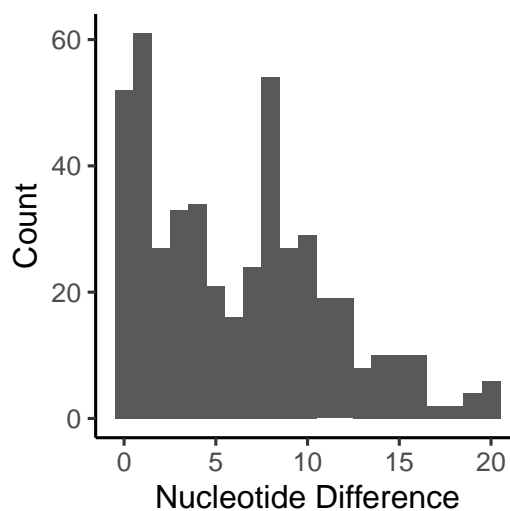
IGHV3-69-1*01

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



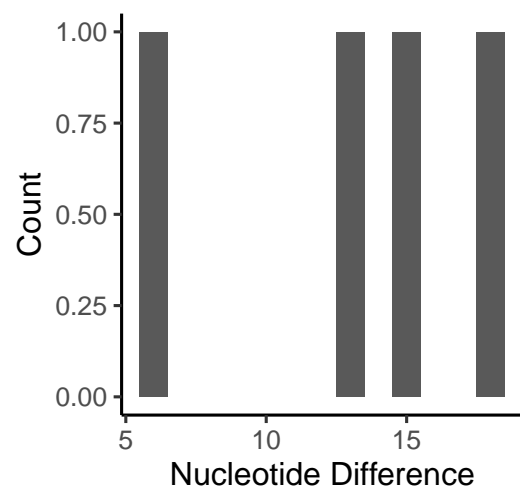
IGHV3-72*01

472 sequences assigned
52 (11%) exact matches, in which:
41 unique CDR3
5 unique J



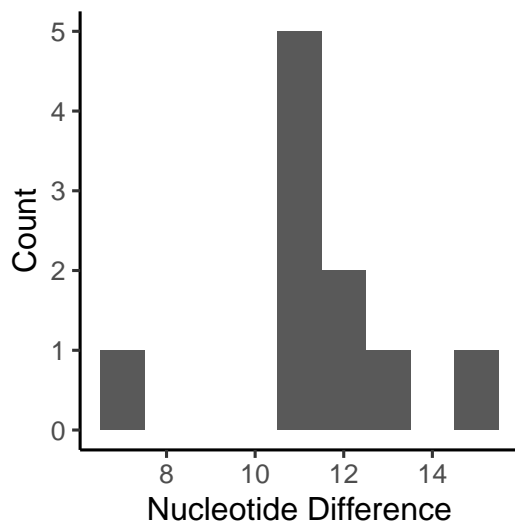
IGHV3-43D*04

4 sequences assigned
No exact matches.



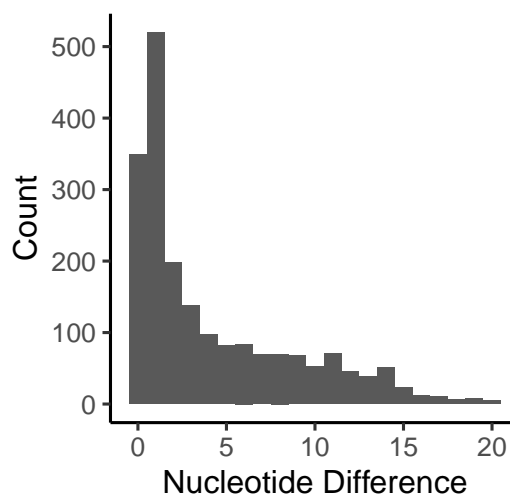
IGHV3-69-1*02

10 sequences assigned
No exact matches.



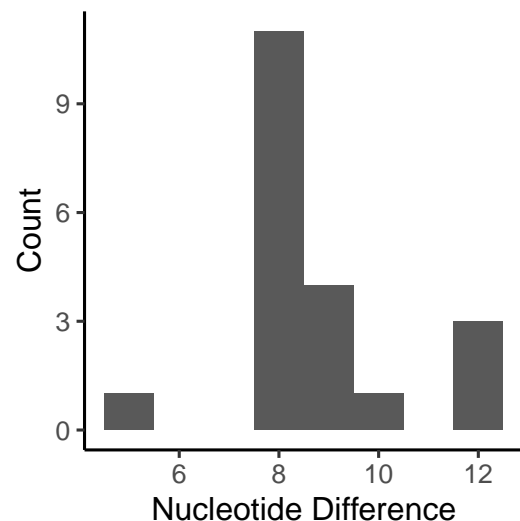
IGHV3-73*01_02

2016 sequences assigned
349 (17.3%) exact matches, in which:
287 unique CDR3
7 unique J



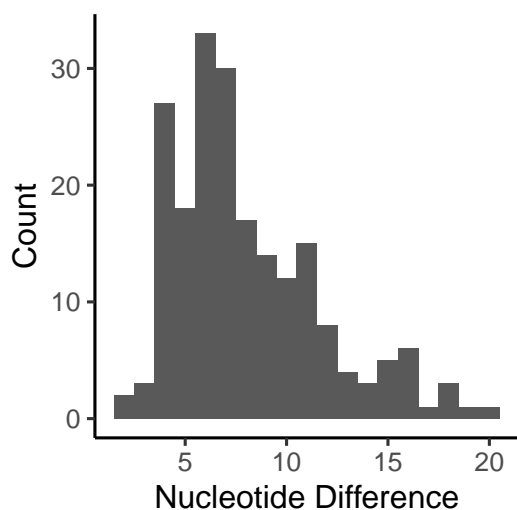
IGHV3-64D*06

21 sequences assigned
No exact matches.



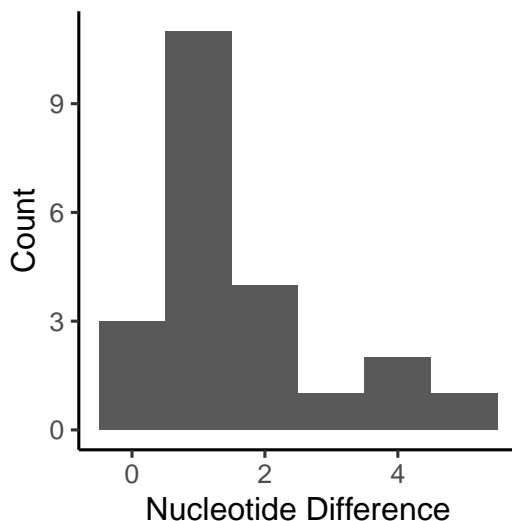
IGHV3-NL1*01

205 sequences assigned
No exact matches.



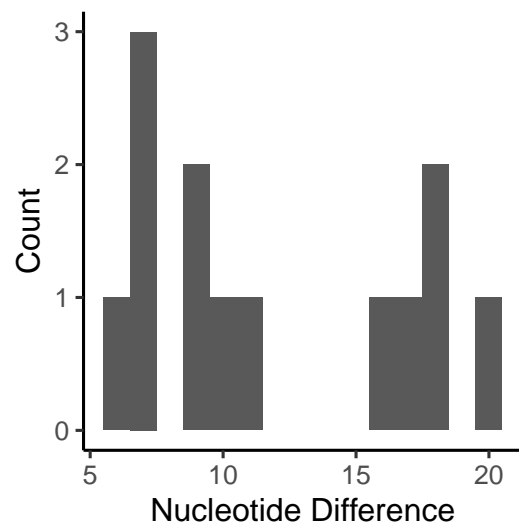
IGHV4-28*01_07

22 sequences assigned
3 (13.6%) exact matches, in which:
2 unique CDR3
1 unique J



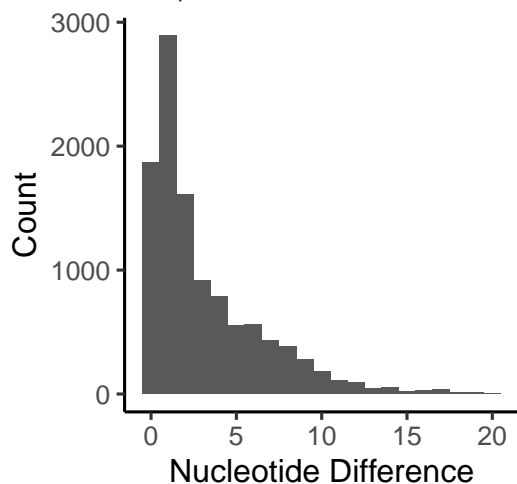
IGHV4-30-2*03

14 sequences assigned
No exact matches.



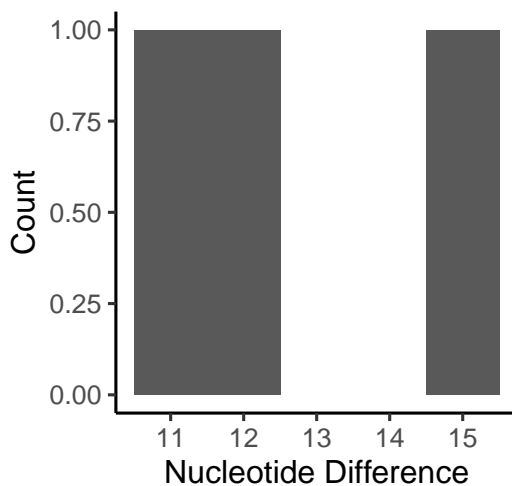
IGHV4-4*07

10895 sequences assigned
1866 (17.1%) exact matches, in which:
1544 unique CDR3
7 unique J



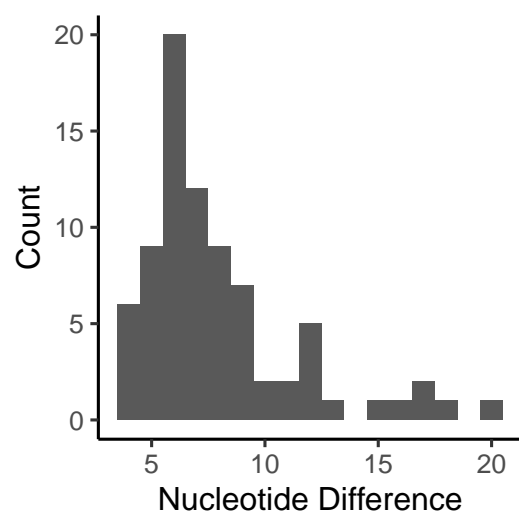
IGHV4-30-2*01

3 sequences assigned
No exact matches.



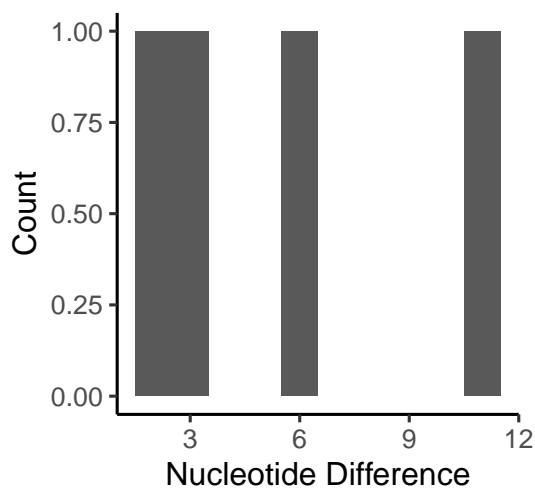
IGHV4-30-4*08

79 sequences assigned
No exact matches.



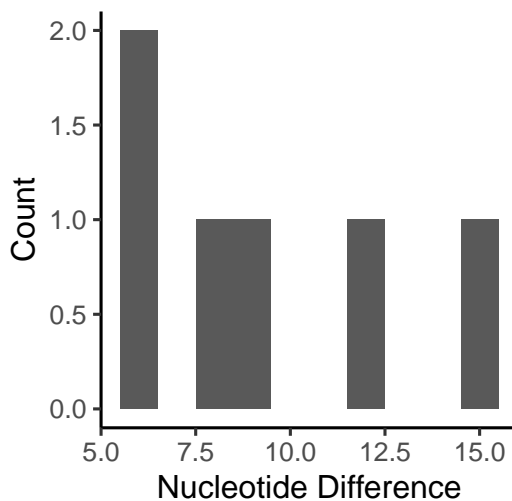
IGHV4-28*03

4 sequences assigned
No exact matches.



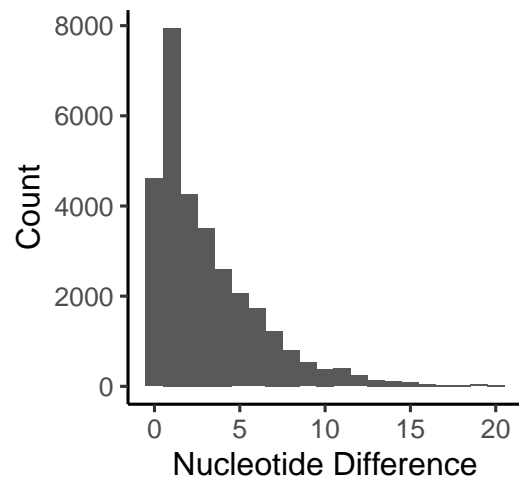
IGHV4-30-4*01

7 sequences assigned
No exact matches.



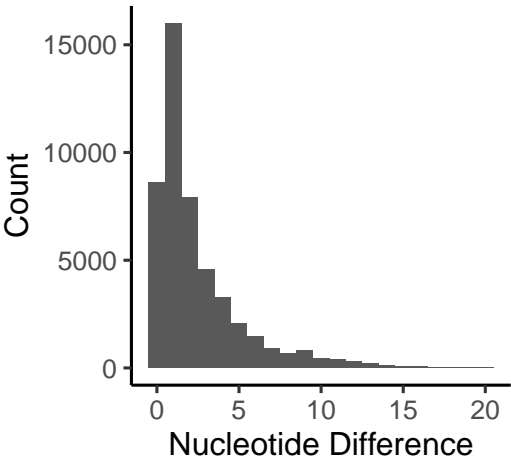
IGHV4-31*03_04

30840 sequences assigned
4608 (14.9%) exact matches, in which:
3719 unique CDR3
7 unique J



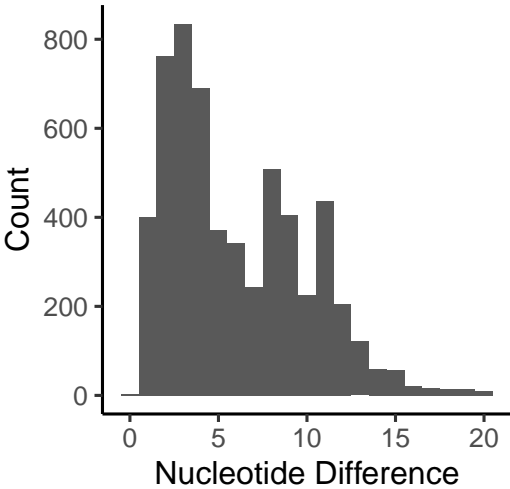
IGHV4-34*01_02

48003 sequences assigned
8596 (17.9%) exact matches, in which:
6847 unique CDR3
7 unique J



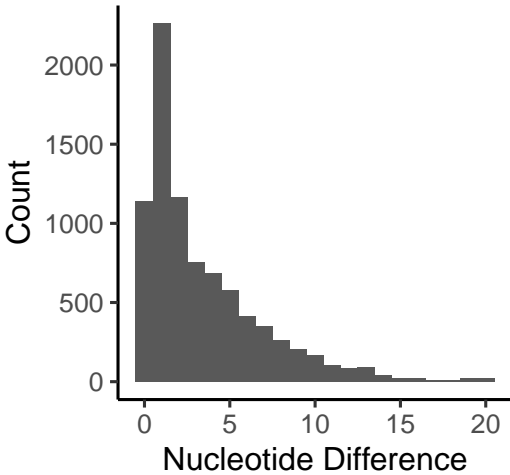
IGHV4-39*07

5763 sequences assigned
4 (0.1%) exact matches, in which:
4 unique CDR3
3 unique J



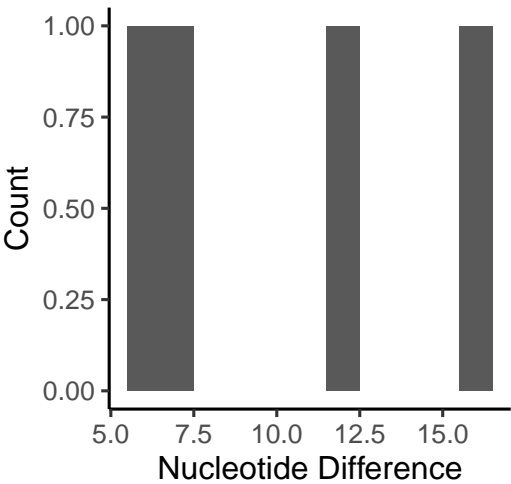
IGHV4-59*08

8438 sequences assigned
1139 (13.5%) exact matches, in which:
925 unique CDR3
7 unique J



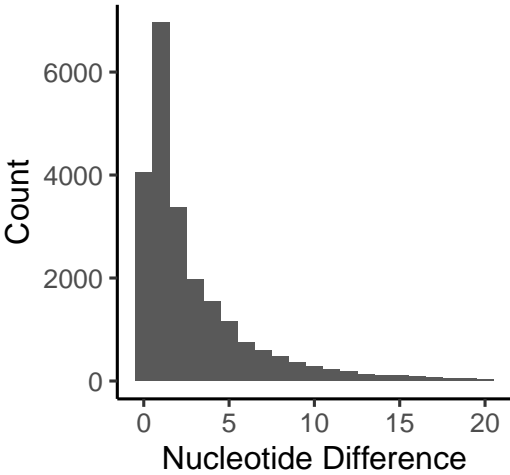
IGHV4-38-2*01

4 sequences assigned
No exact matches.



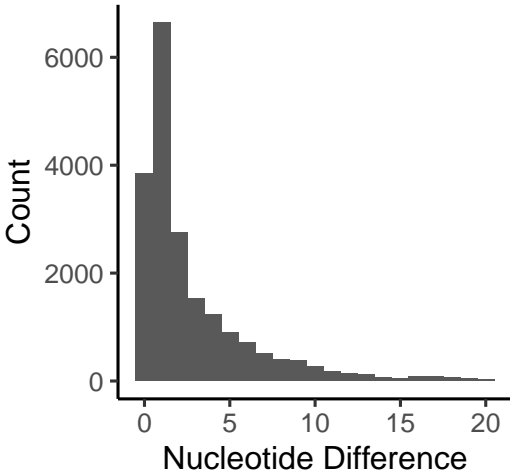
IGHV4-39*01_05

22587 sequences assigned
4054 (17.9%) exact matches, in which:
3212 unique CDR3
7 unique J



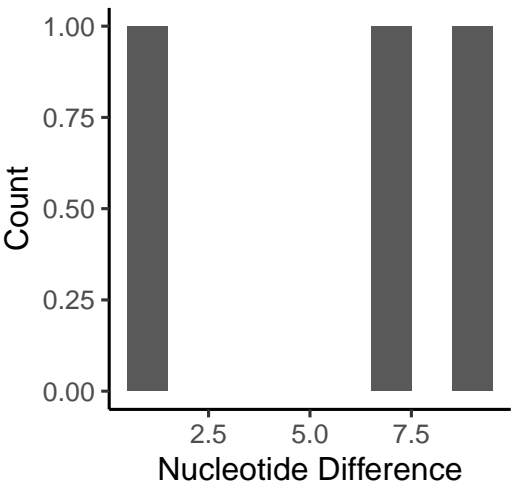
IGHV4-59*01_07

20092 sequences assigned
3848 (19.2%) exact matches, in which:
3144 unique CDR3
7 unique J



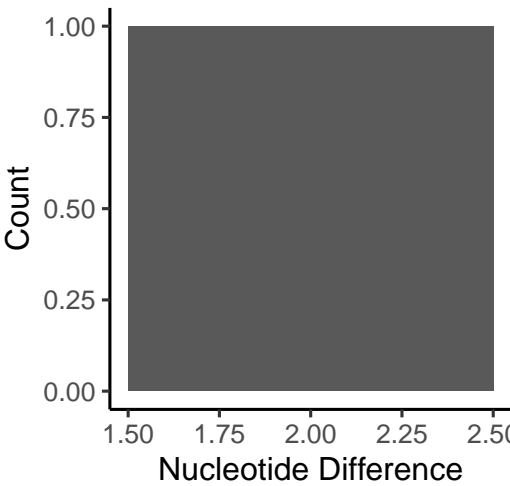
IGHV4-38-2*02

4 sequences assigned
No exact matches.



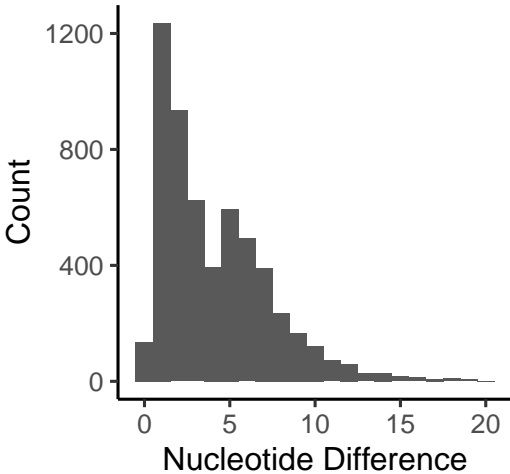
IGHV4-55*01_05

1 sequences assigned
No exact matches.



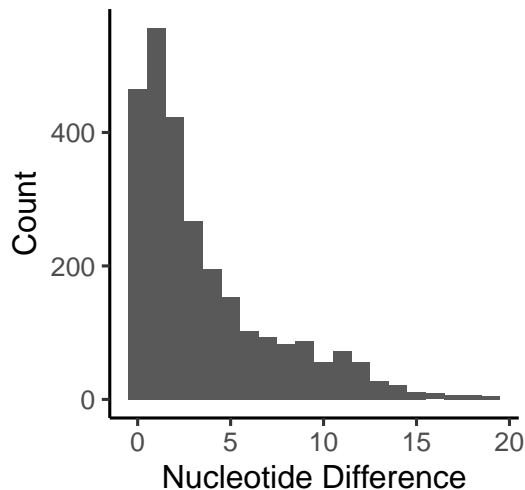
IGHV4-59*12

5580 sequences assigned
135 (2.4%) exact matches, in which:
135 unique CDR3
7 unique J



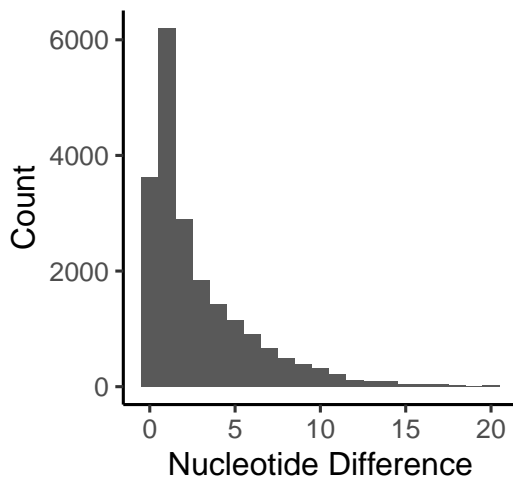
IGHV4-61*01

2702 sequences assigned
465 (17.2%) exact matches, in which:
422 unique CDR3
7 unique J



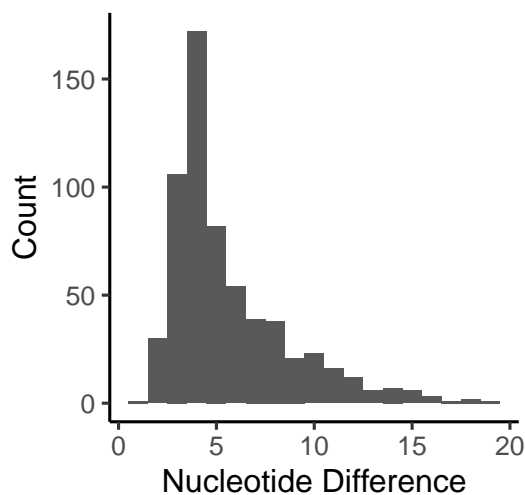
IGHV5-51*01_03

20655 sequences assigned
3619 (17.5%) exact matches, in which:
2309 unique CDR3
7 unique J



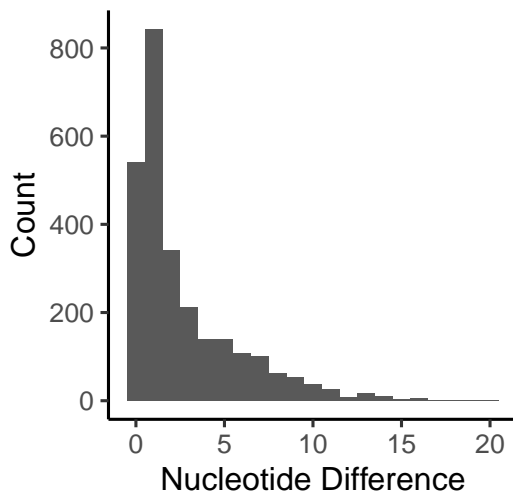
IGHV4-61*05

624 sequences assigned
No exact matches.



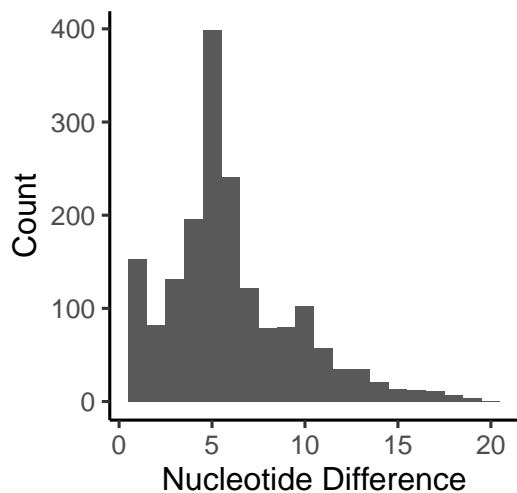
IGHV6-1*01_02

2654 sequences assigned
541 (20.4%) exact matches, in which:
462 unique CDR3
7 unique J



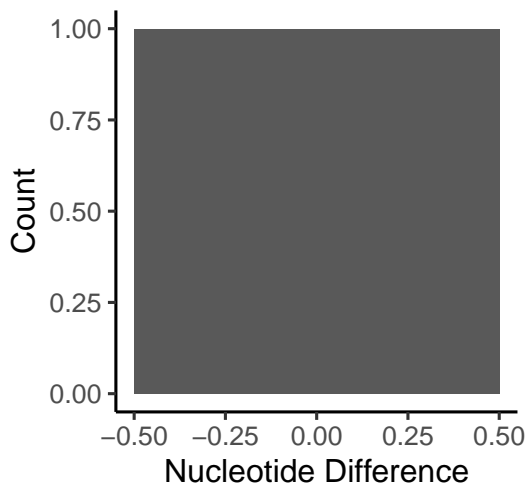
IGHV4-61*08

1788 sequences assigned
No exact matches.

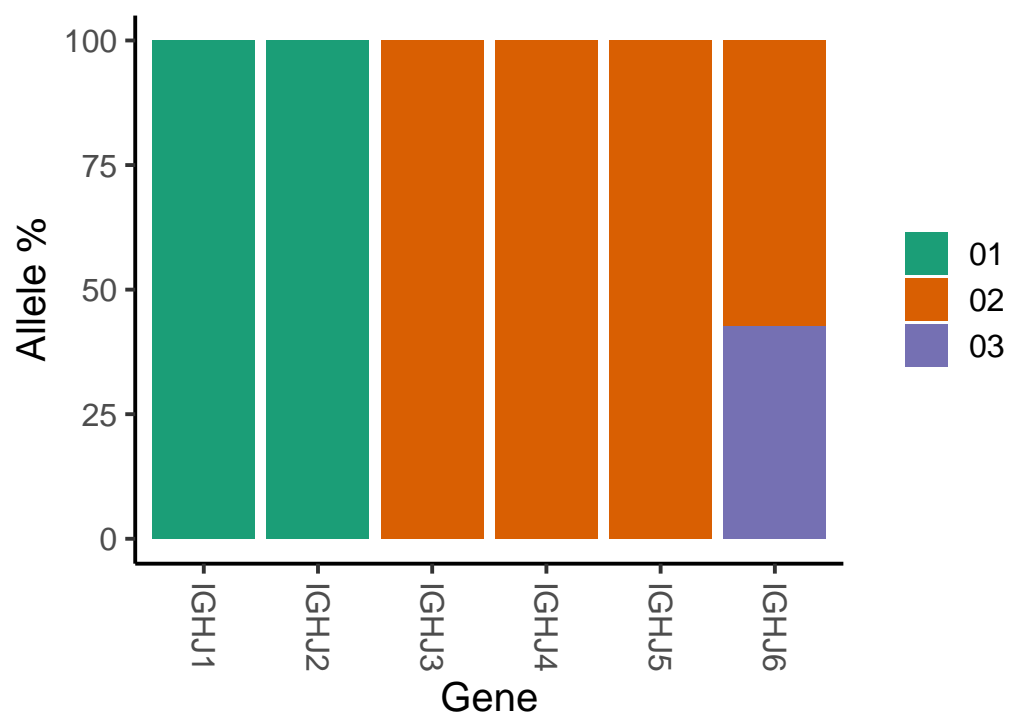


IGHV7-81*01

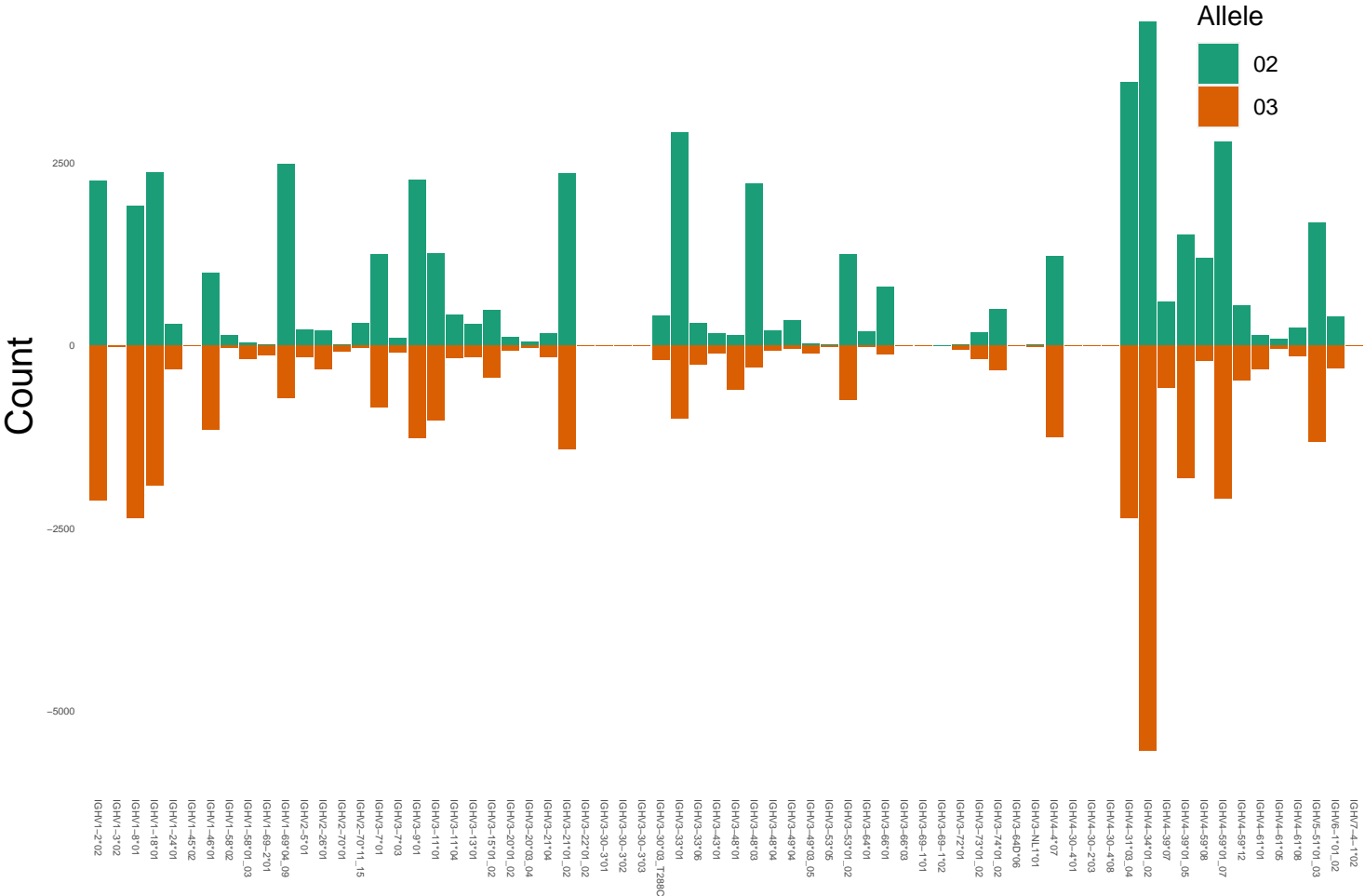
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Novel sequence(s)IGHV1-69*08_C191TIGHV3-11*06_T300CIGHV4-59*02_G88AIGHV5-51*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)IGHV3-53*05_C300T are not listed in the genotype and will be ignored.