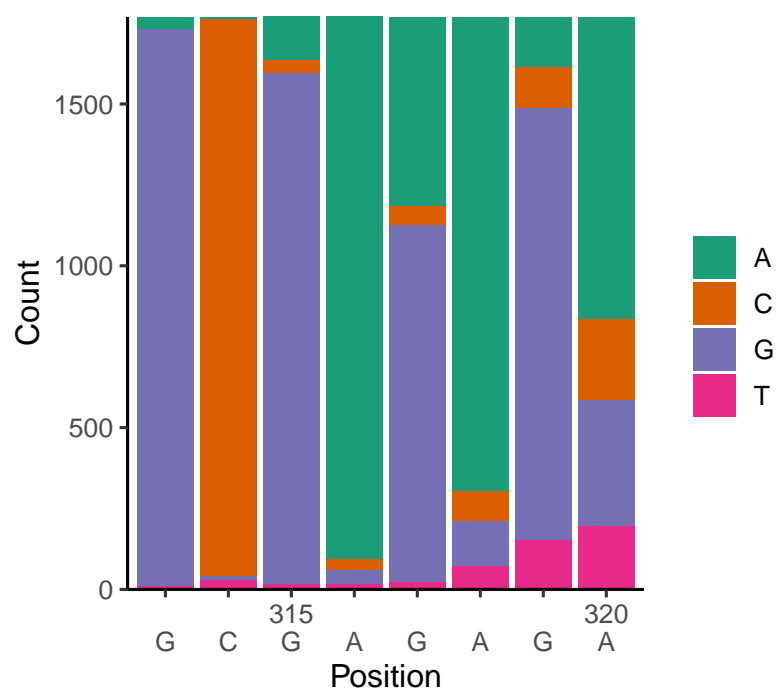


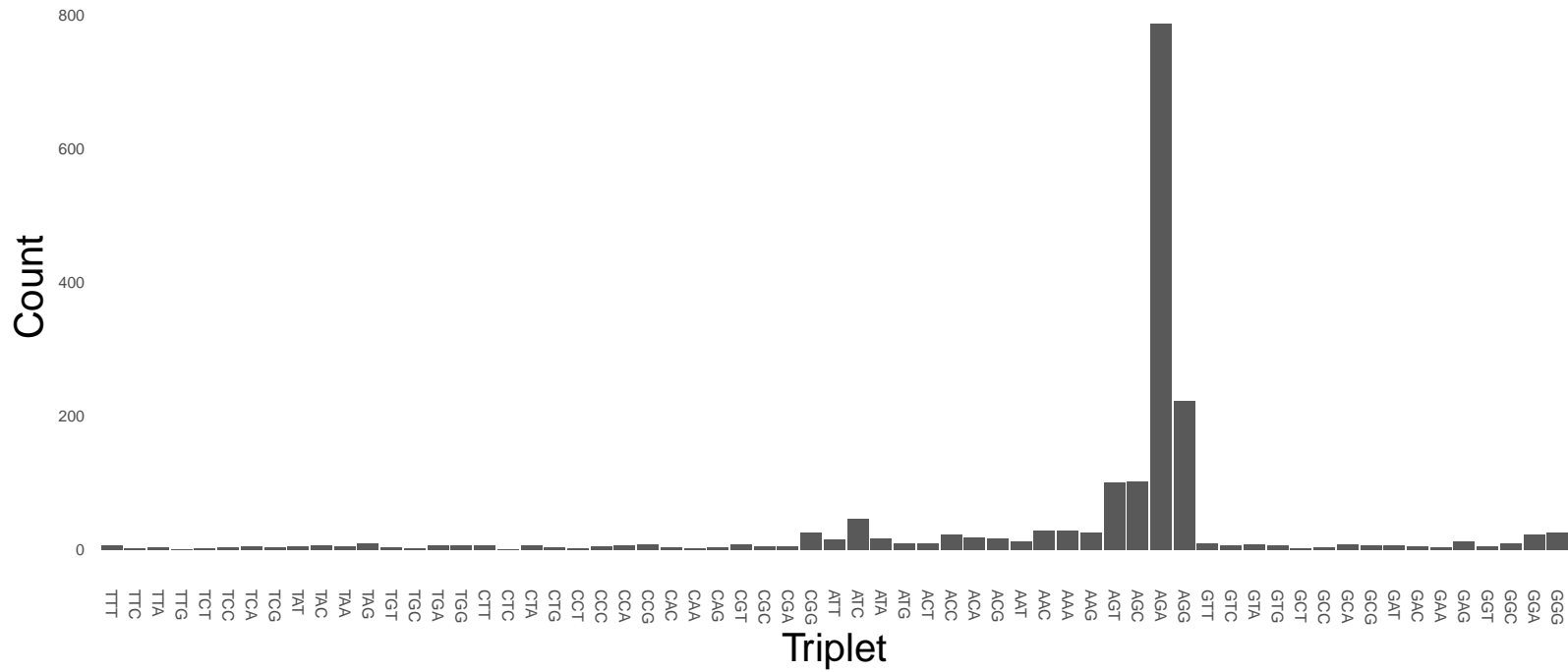
Gene IGHV3-30-3*01_T288C



Gene IGHV3-30-3*01_T288C

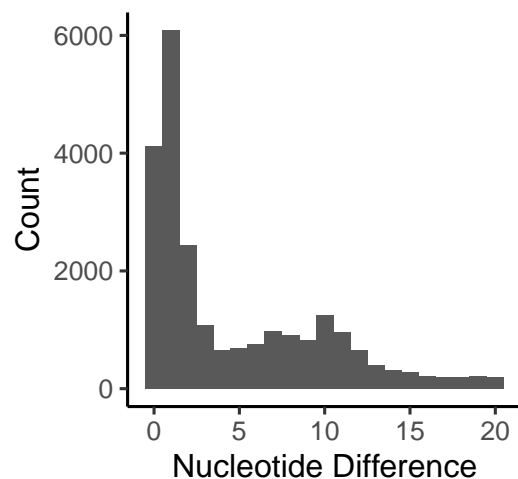


IGHV3-30-3*01_T288C- Final 3 nucleotides as a triplet



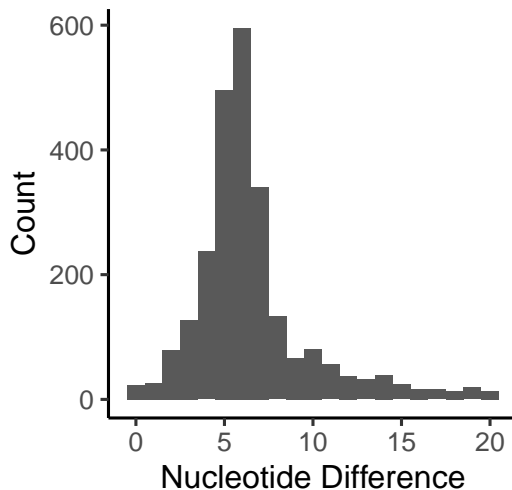
IGHV1-2*02

24084 sequences assigned
4114 (17.1%) exact matches, in which:
3161 unique CDR3
6 unique J



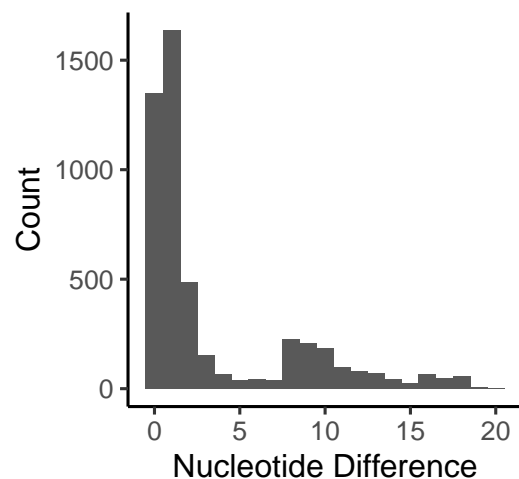
IGHV1-8*02

2648 sequences assigned
23 (0.9%) exact matches, in which:
23 unique CDR3
4 unique J



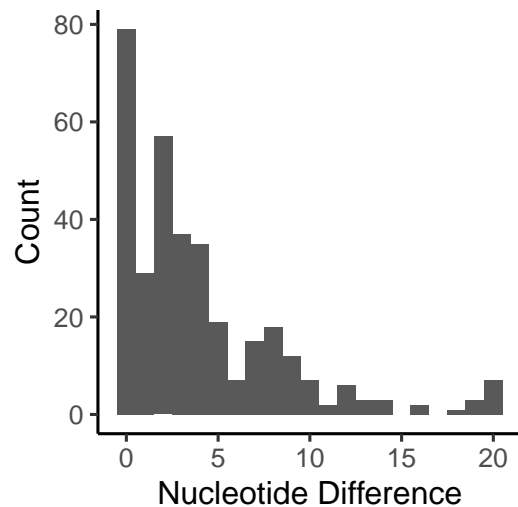
IGHV1-24*01

4967 sequences assigned
1351 (27.2%) exact matches, in which:
1105 unique CDR3
6 unique J



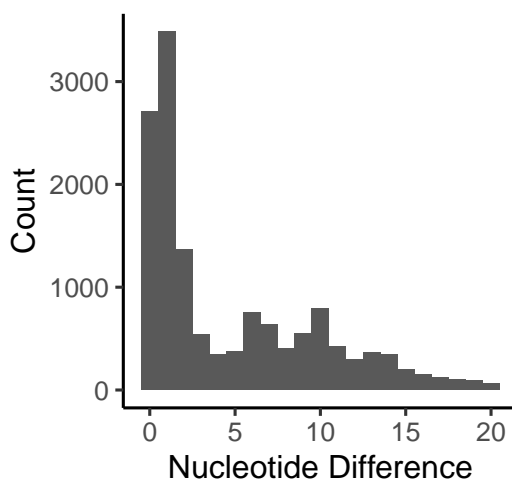
IGHV1-3*02

352 sequences assigned
79 (22.4%) exact matches, in which:
76 unique CDR3
6 unique J



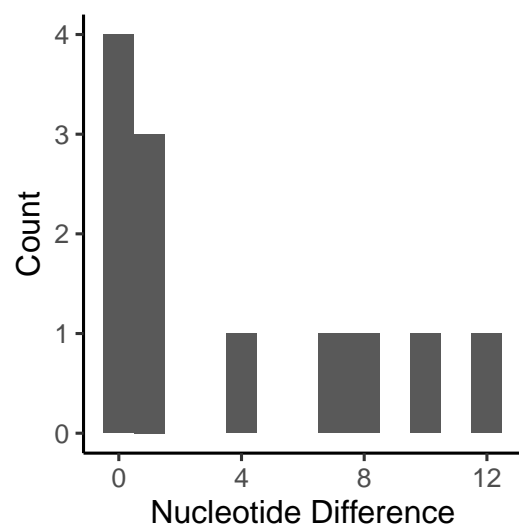
IGHV1-18*01

14523 sequences assigned
2712 (18.7%) exact matches, in which:
2202 unique CDR3
6 unique J



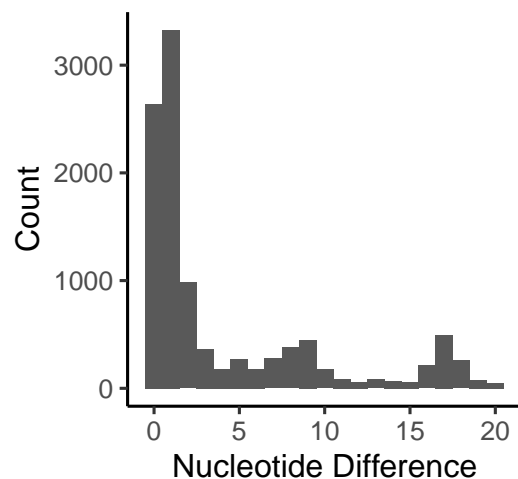
IGHV1-45*03

12 sequences assigned
4 (33.3%) exact matches, in which:
4 unique CDR3
2 unique J



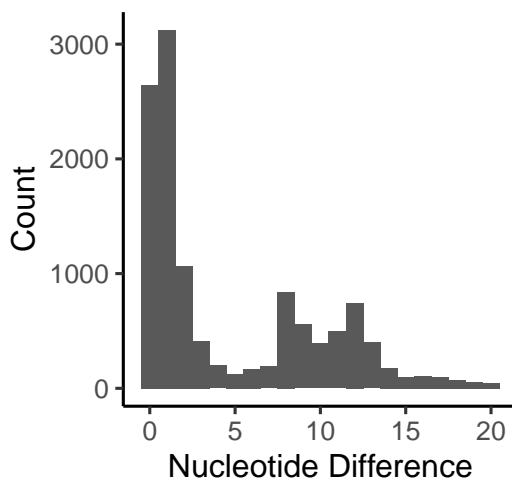
IGHV1-8*01

10889 sequences assigned
2639 (24.2%) exact matches, in which:
2124 unique CDR3
6 unique J



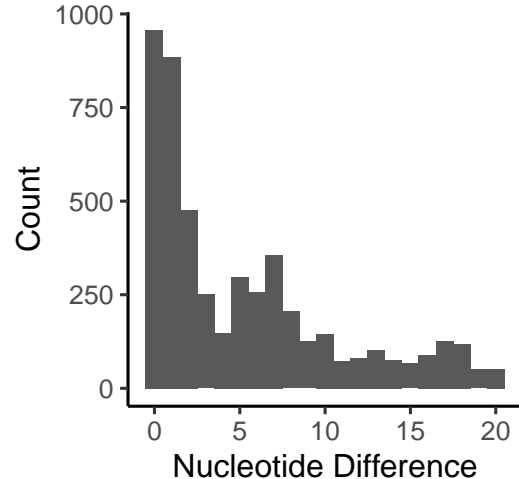
IGHV1-18*04

12732 sequences assigned
2644 (20.8%) exact matches, in which:
2133 unique CDR3
6 unique J



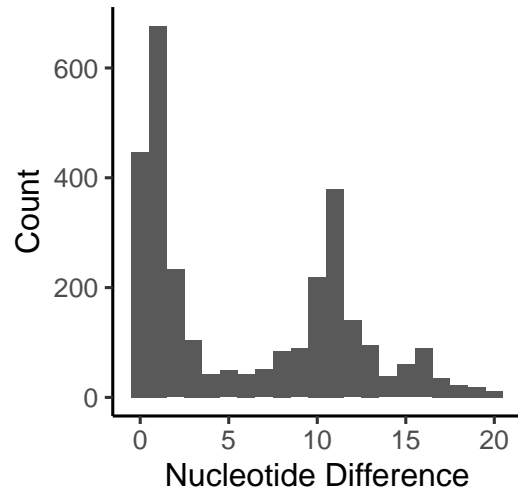
IGHV1-46*01

5218 sequences assigned
957 (18.3%) exact matches, in which:
849 unique CDR3
6 unique J



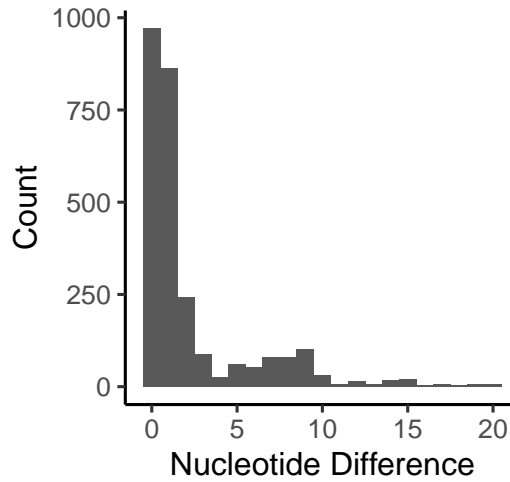
IGHV1-46*03

2980 sequences assigned
447 (15%) exact matches, in which:
320 unique CDR3
6 unique J



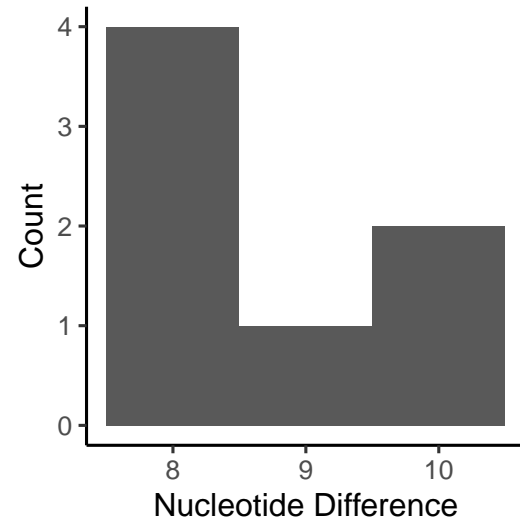
IGHV1-69*02

2703 sequences assigned
971 (35.9%) exact matches, in which:
831 unique CDR3
6 unique J



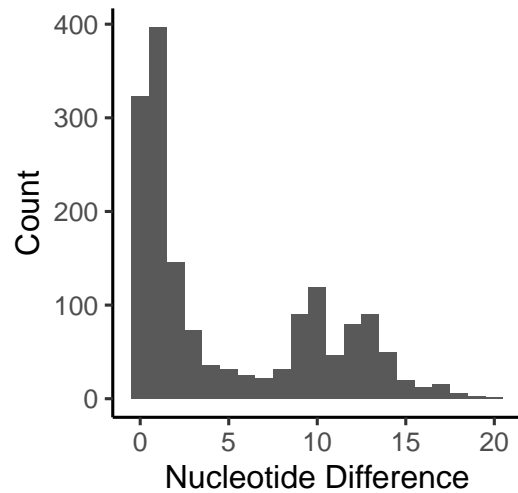
IGHV1-NL1*01

7 sequences assigned
No exact matches.



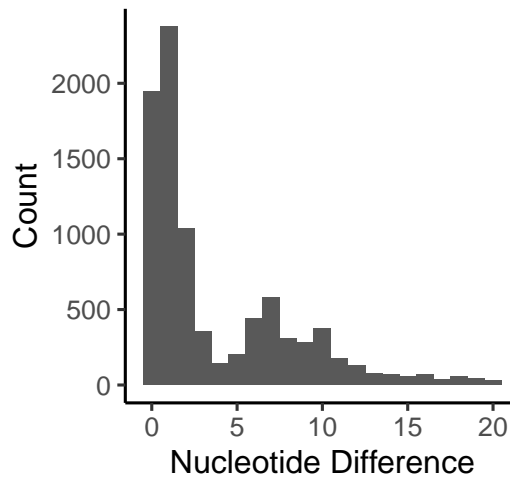
IGHV1-58*02

1663 sequences assigned
323 (19.4%) exact matches, in which:
271 unique CDR3
6 unique J



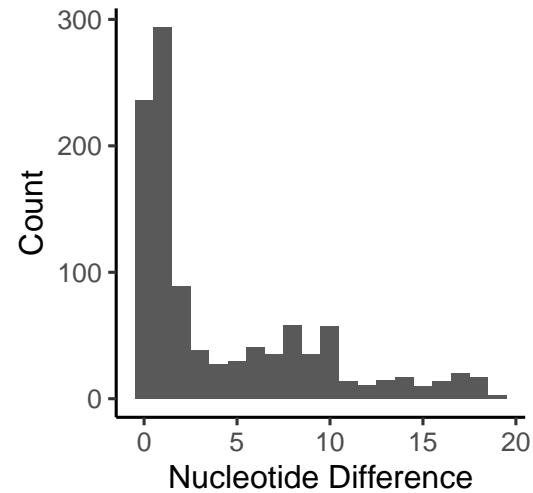
IGHV1-69*04_09

8904 sequences assigned
1944 (21.8%) exact matches, in which:
1652 unique CDR3
6 unique J



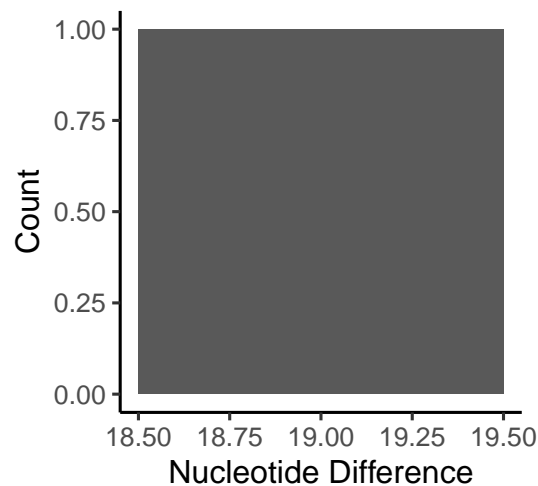
IGHV2-5*01

1097 sequences assigned
236 (21.5%) exact matches, in which:
182 unique CDR3
6 unique J



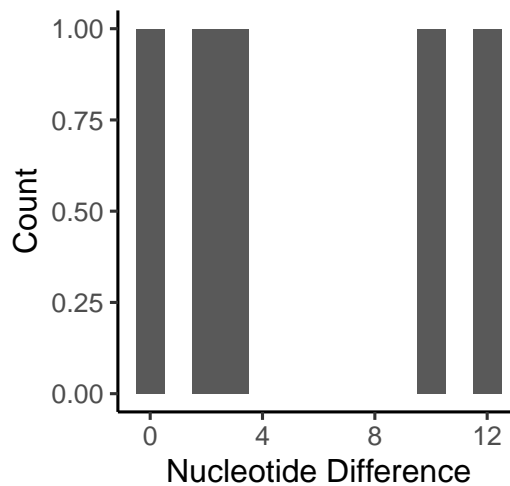
IGHV1-69-2*01

1 sequences assigned
No exact matches.



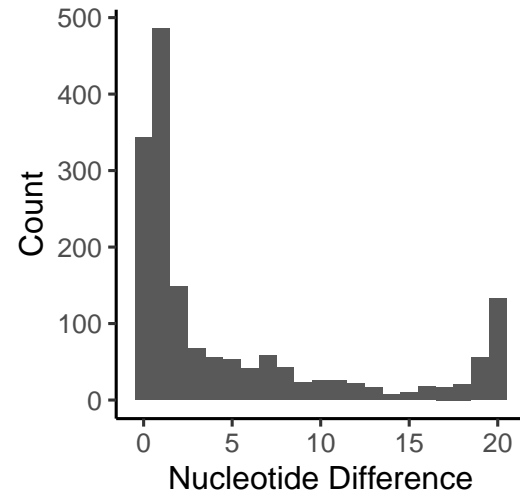
IGHV1-69D*01

39 sequences assigned
1 (2.6%) exact matches, in which:
1 unique CDR3
1 unique J



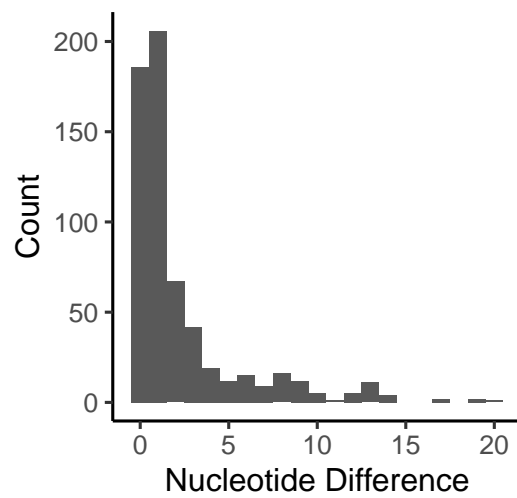
IGHV2-5*02

1871 sequences assigned
343 (18.3%) exact matches, in which:
247 unique CDR3
6 unique J



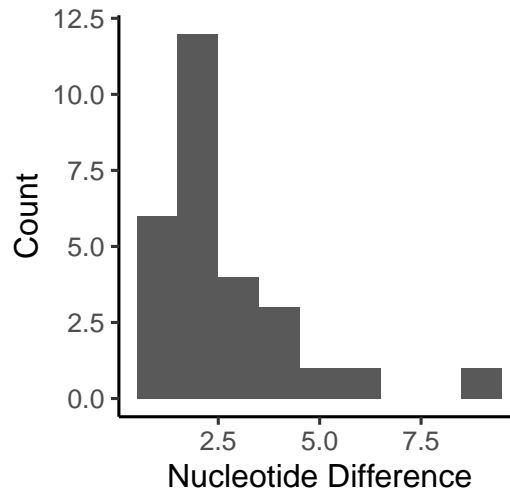
IGHV2-26*01

625 sequences assigned
186 (29.8%) exact matches, in which:
141 unique CDR3
6 unique J



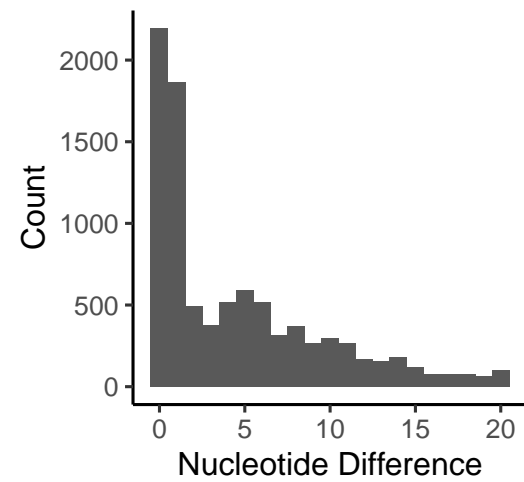
IGHV2-70D*04

28 sequences assigned
No exact matches.



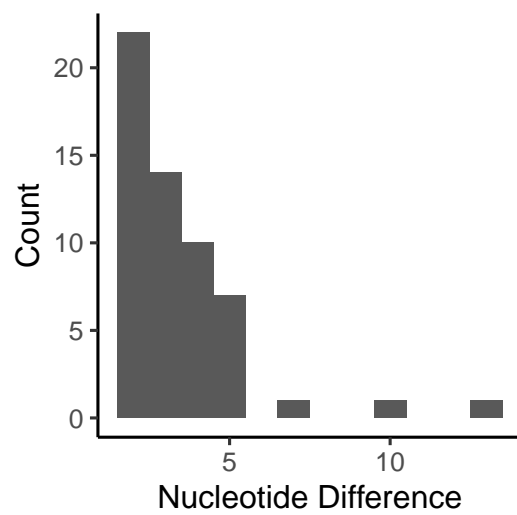
IGHV3-9*01

11277 sequences assigned
2194 (19.5%) exact matches, in which:
1272 unique CDR3
6 unique J



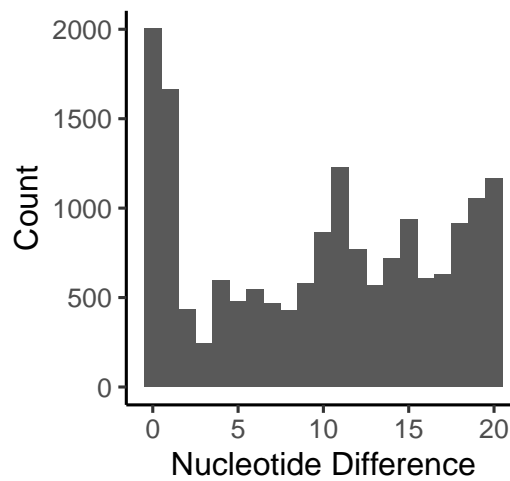
IGHV2-70*12

56 sequences assigned
No exact matches.



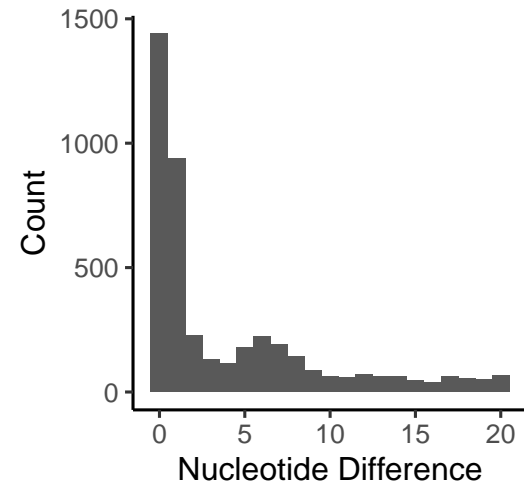
IGHV3-7*01

21067 sequences assigned
2003 (9.5%) exact matches, in which:
1371 unique CDR3
6 unique J



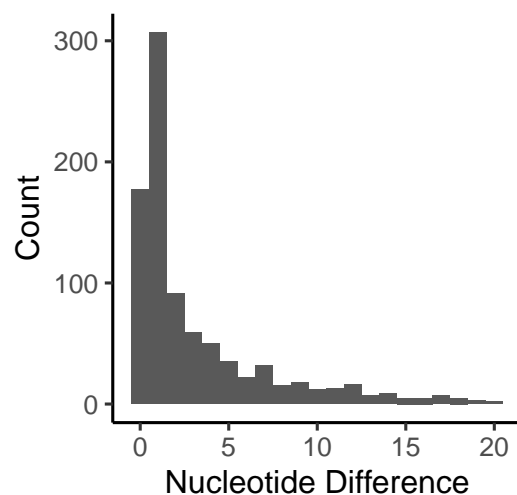
IGHV3-11*01

4997 sequences assigned
1440 (28.8%) exact matches, in which:
954 unique CDR3
6 unique J



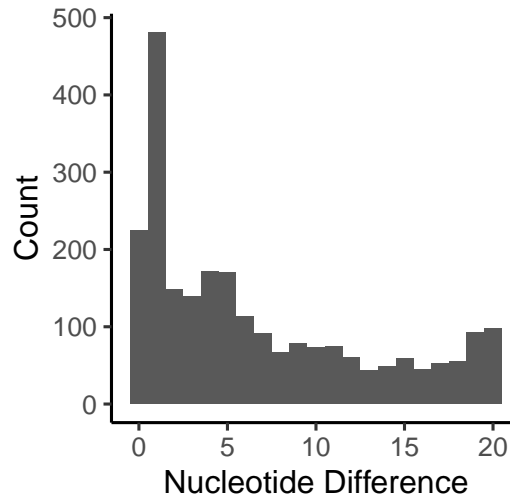
IGHV2-70*11_15

987 sequences assigned
177 (17.9%) exact matches, in which:
118 unique CDR3
6 unique J



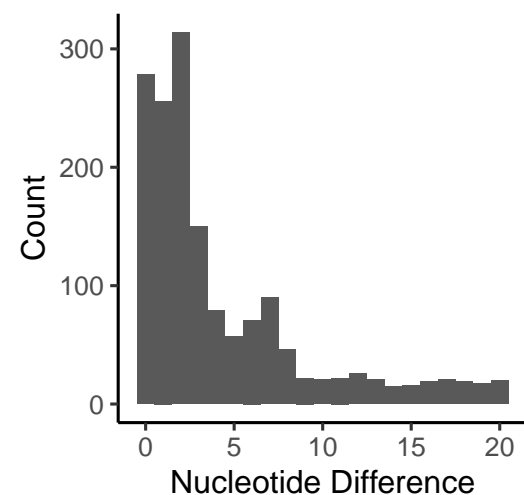
IGHV3-7*03

3129 sequences assigned
224 (7.2%) exact matches, in which:
164 unique CDR3
6 unique J



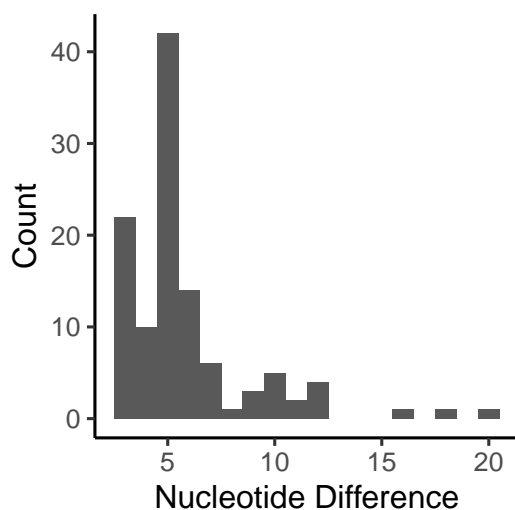
IGHV3-11*04

1668 sequences assigned
278 (16.7%) exact matches, in which:
258 unique CDR3
6 unique J



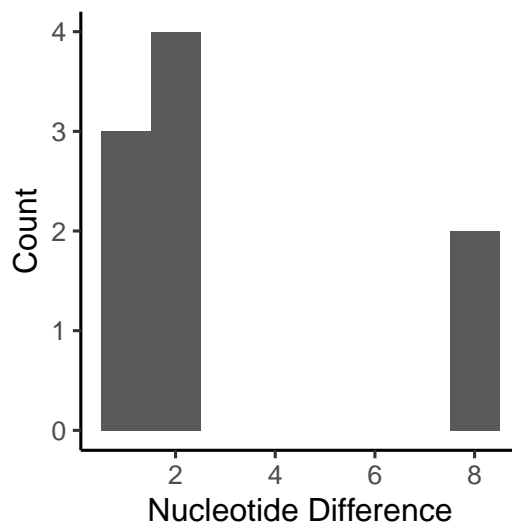
IGHV3-11*06

125 sequences assigned
No exact matches.



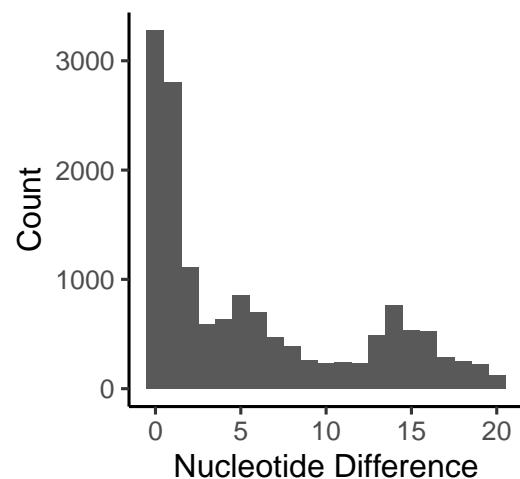
IGHV3-19*01

9 sequences assigned
No exact matches.



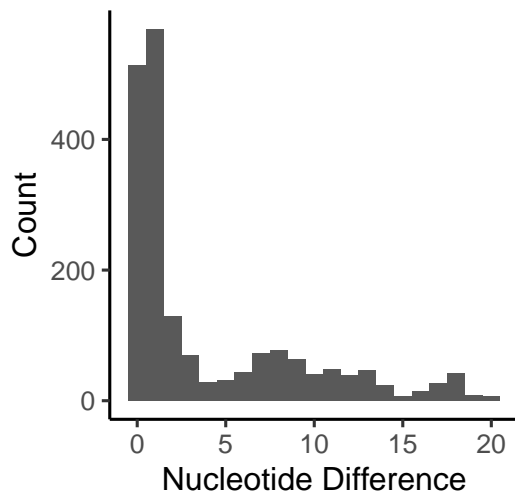
IGHV3-21*01_02

15660 sequences assigned
3278 (20.9%) exact matches, in which:
2054 unique CDR3
6 unique J



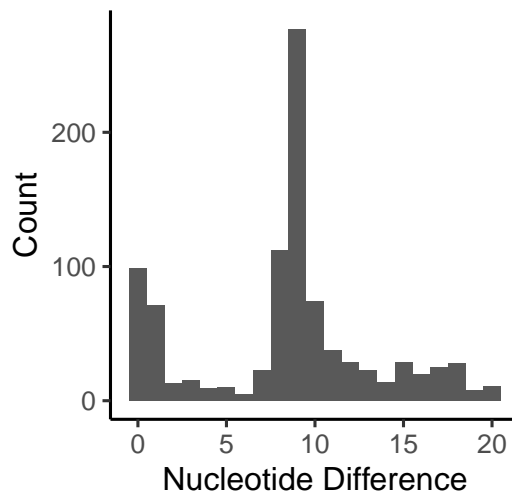
IGHV3-13*01

1942 sequences assigned
513 (26.4%) exact matches, in which:
317 unique CDR3
6 unique J



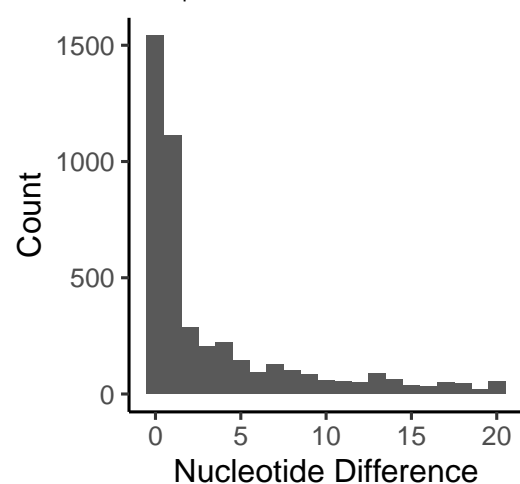
IGHV3-20*01_02

960 sequences assigned
99 (10.3%) exact matches, in which:
60 unique CDR3
5 unique J



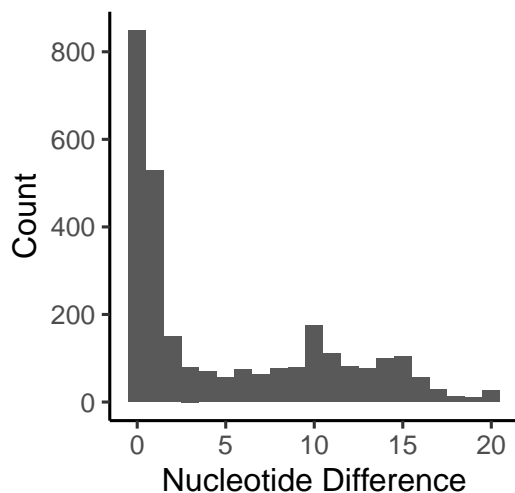
IGHV3-30-3*01

4741 sequences assigned
1541 (32.5%) exact matches, in which:
1020 unique CDR3
6 unique J



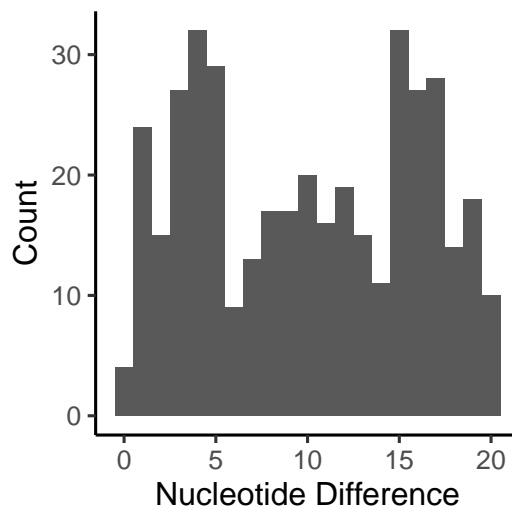
IGHV3-15*01_02

3538 sequences assigned
849 (24%) exact matches, in which:
517 unique CDR3
6 unique J



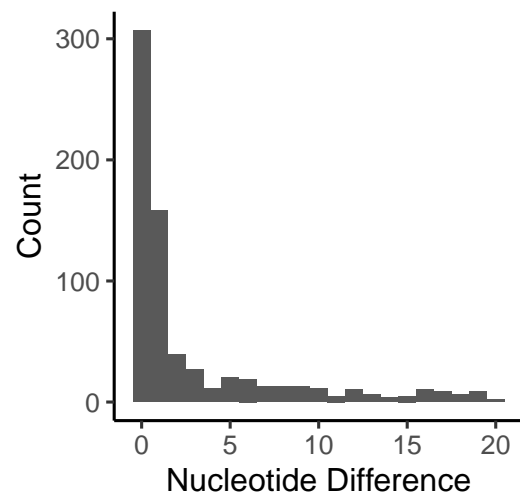
IGHV3-20*03_04

457 sequences assigned
4 (0.9%) exact matches, in which:
4 unique CDR3
2 unique J



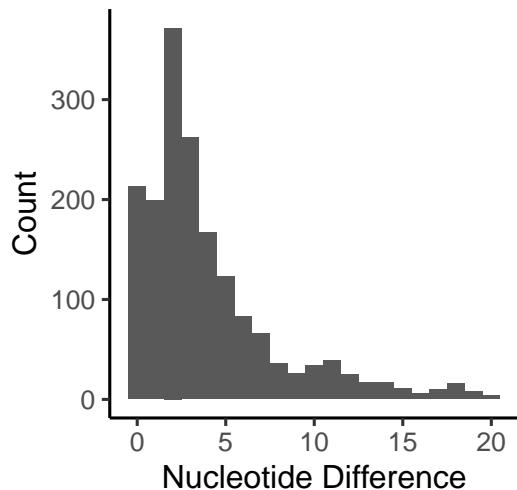
IGHV3-30*03

763 sequences assigned
307 (40.2%) exact matches, in which:
283 unique CDR3
6 unique J



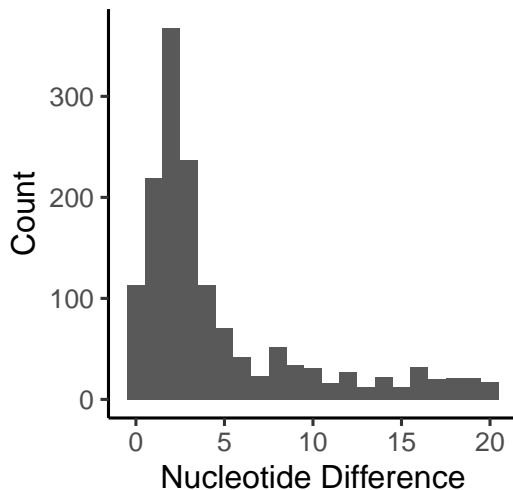
IGHV3–30–3*01_T288C

1769 sequences assigned
213 (12%) exact matches, in which:
193 unique CDR3
6 unique J



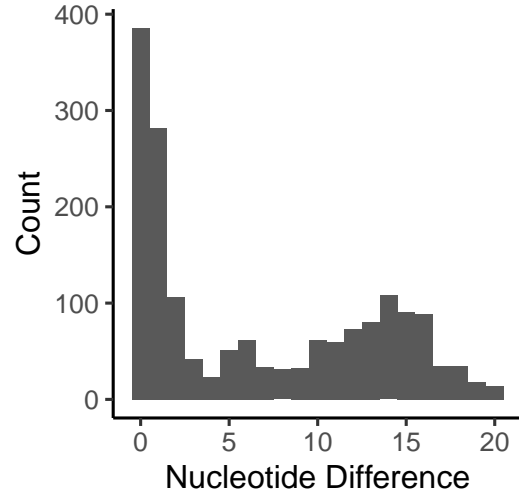
IGHV3–33*06

1680 sequences assigned
113 (6.7%) exact matches, in which:
105 unique CDR3
5 unique J



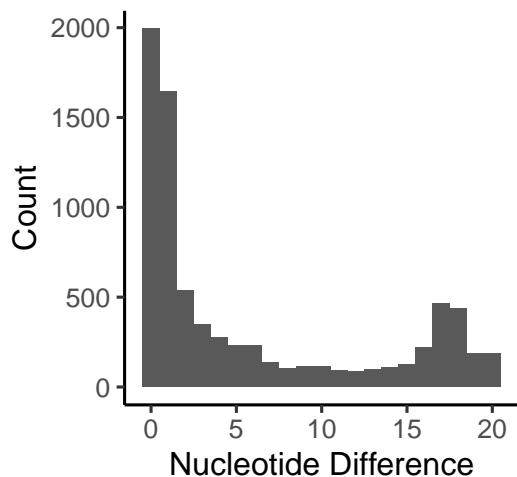
IGHV3–43*02

2332 sequences assigned
386 (16.6%) exact matches, in which:
240 unique CDR3
6 unique J



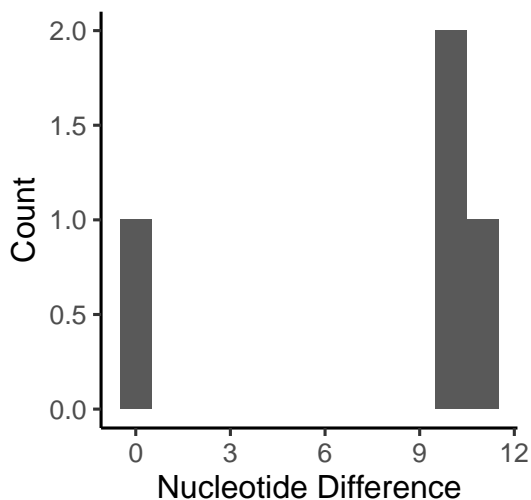
IGHV3–33*01

8362 sequences assigned
1994 (23.8%) exact matches, in which:
1304 unique CDR3
6 unique J



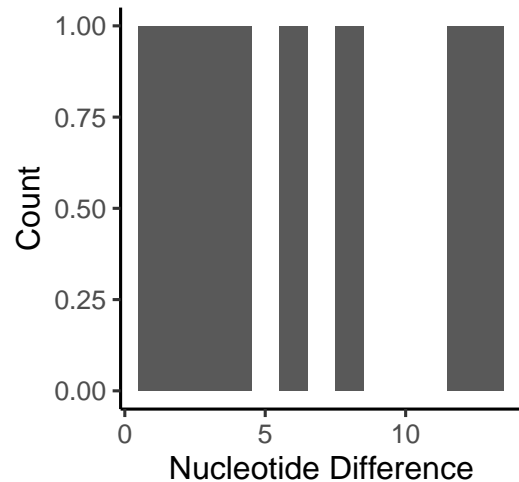
IGHV3–35*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



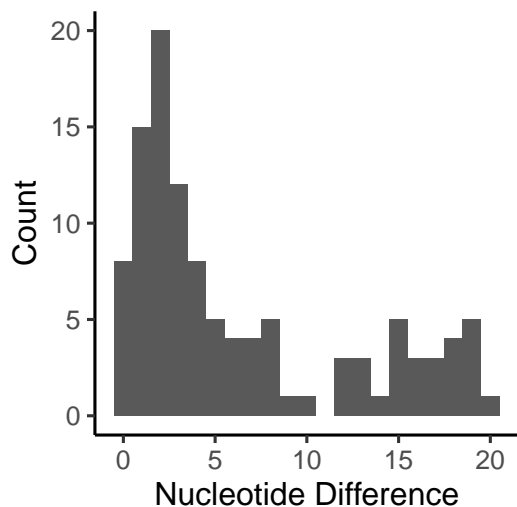
IGHV3–47*02

8 sequences assigned
No exact matches.



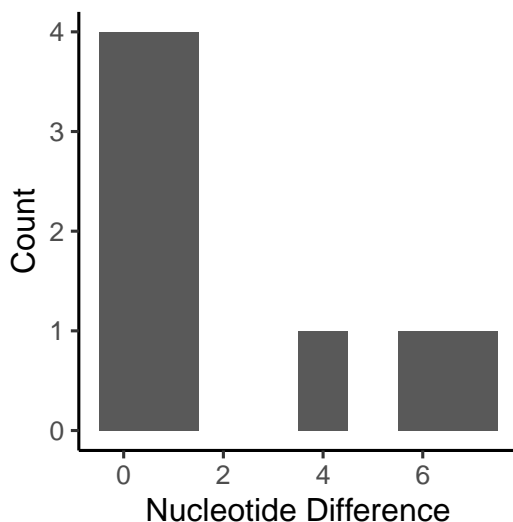
IGHV3–33*05

118 sequences assigned
8 (6.8%) exact matches, in which:
8 unique CDR3
2 unique J



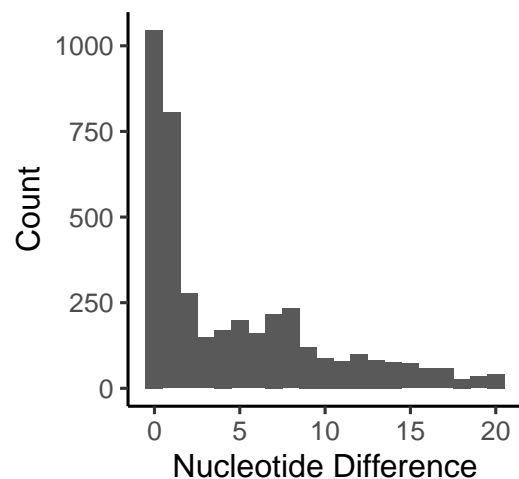
IGHV3–38*02

11 sequences assigned
4 (36.4%) exact matches, in which:
3 unique CDR3
3 unique J



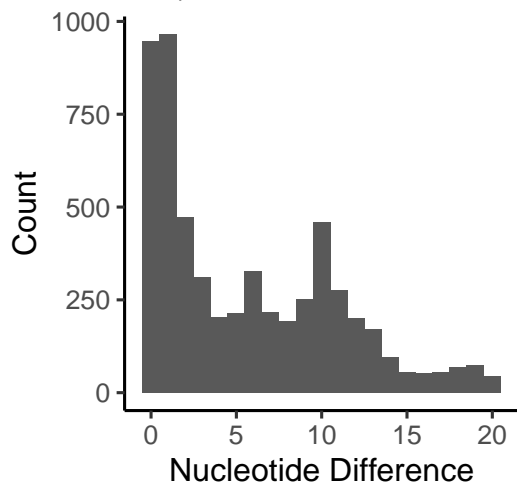
IGHV3–48*01

4191 sequences assigned
1046 (25%) exact matches, in which:
682 unique CDR3
6 unique J



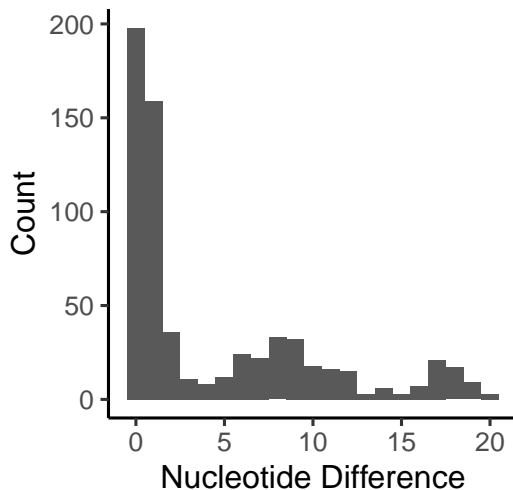
IGHV3-48*03

6035 sequences assigned
946 (15.7%) exact matches, in which:
569 unique CDR3
6 unique J



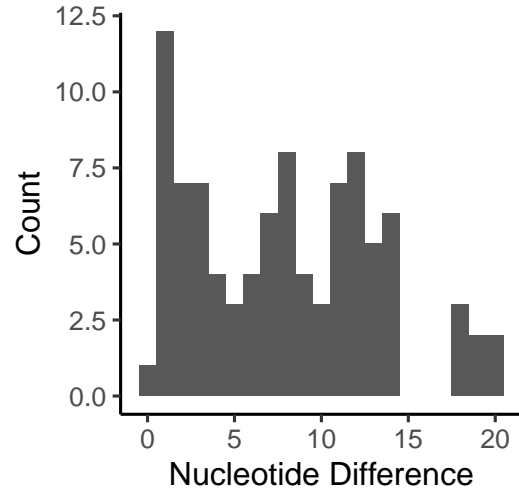
IGHV3-49*03_05

671 sequences assigned
198 (29.5%) exact matches, in which:
131 unique CDR3
5 unique J



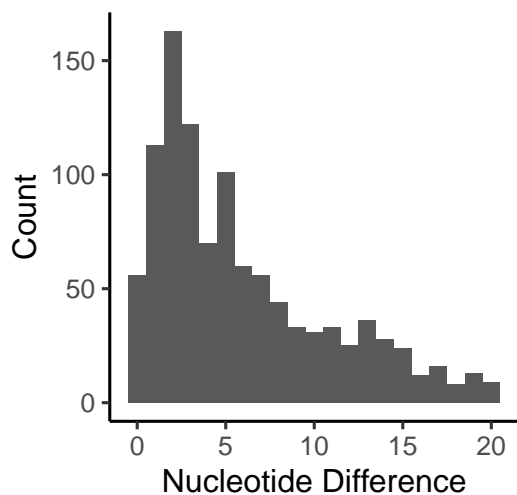
IGHV3-53*05

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



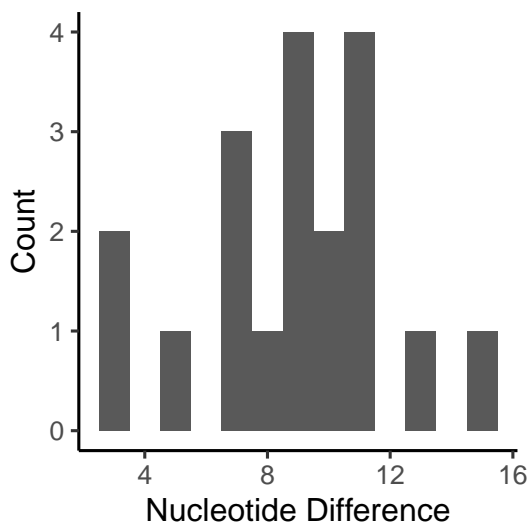
IGHV3-48*04

1094 sequences assigned
56 (5.1%) exact matches, in which:
53 unique CDR3
6 unique J



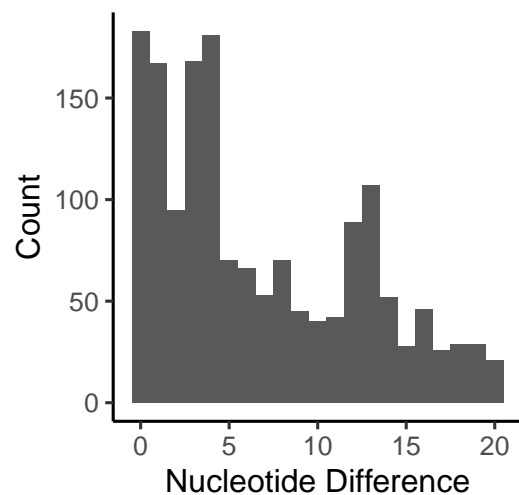
IGHV3-52*01_03

19 sequences assigned
No exact matches.



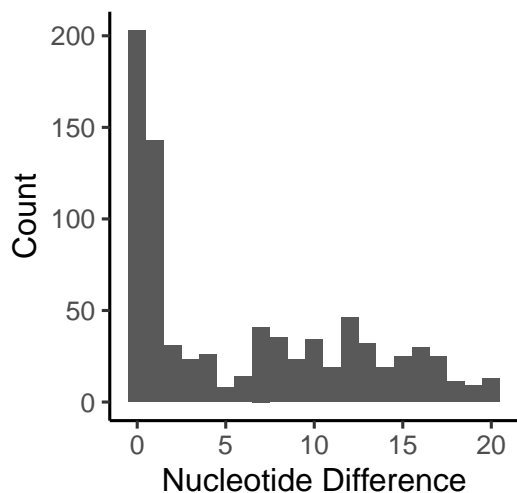
IGHV3-53*01_02

1695 sequences assigned
183 (10.8%) exact matches, in which:
117 unique CDR3
6 unique J



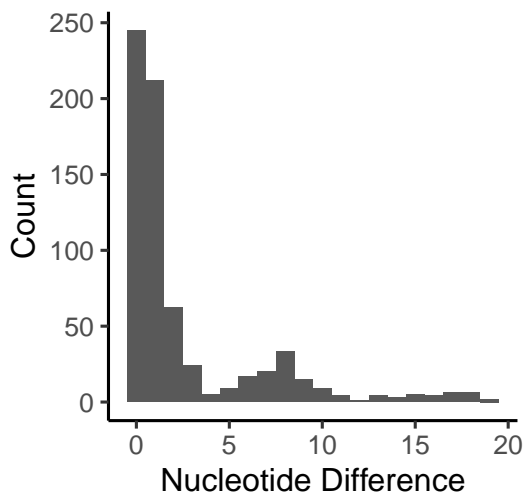
IGHV3-49*04

877 sequences assigned
203 (23.1%) exact matches, in which:
129 unique CDR3
6 unique J



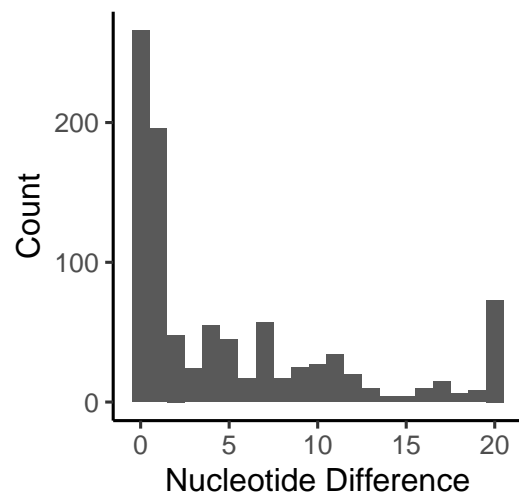
IGHV3-53*04

691 sequences assigned
245 (35.5%) exact matches, in which:
164 unique CDR3
6 unique J



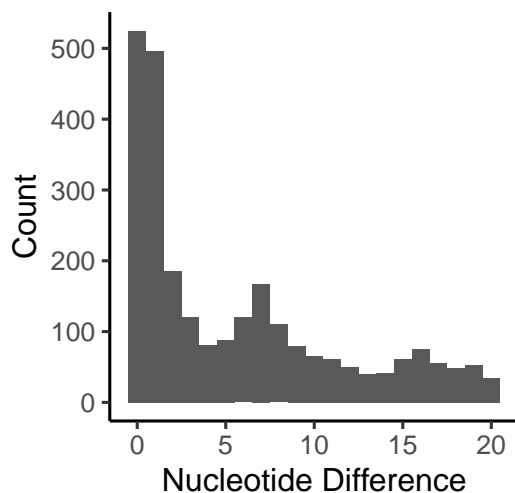
IGHV3-64*01

1243 sequences assigned
266 (21.4%) exact matches, in which:
179 unique CDR3
6 unique J



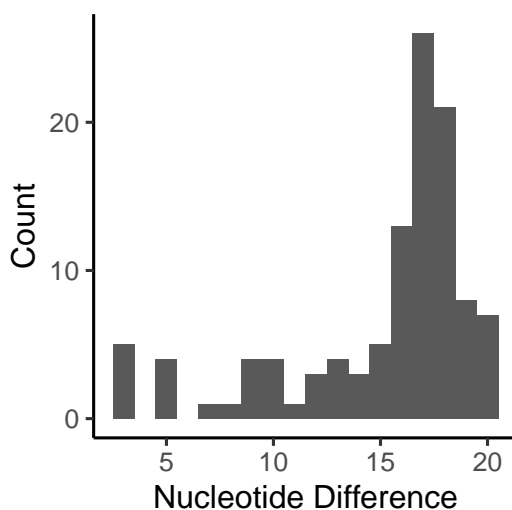
IGHV3-66*01

3421 sequences assigned
525 (15.3%) exact matches, in which:
349 unique CDR3
6 unique J



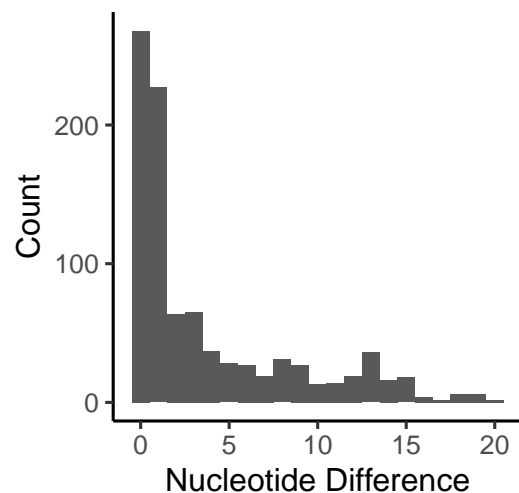
IGHV3-69-1*01

128 sequences assigned
No exact matches.



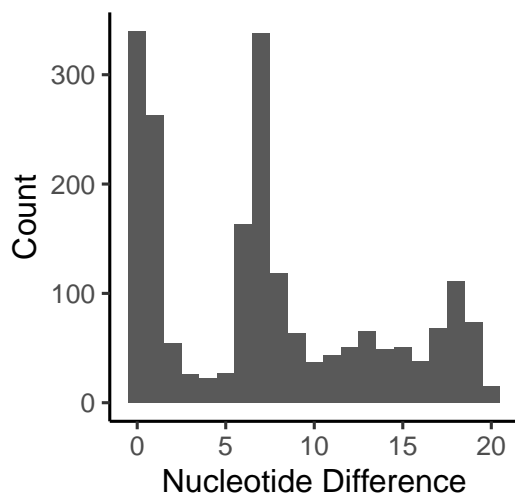
IGHV3-73*01_02

936 sequences assigned
268 (28.6%) exact matches, in which:
160 unique CDR3
5 unique J



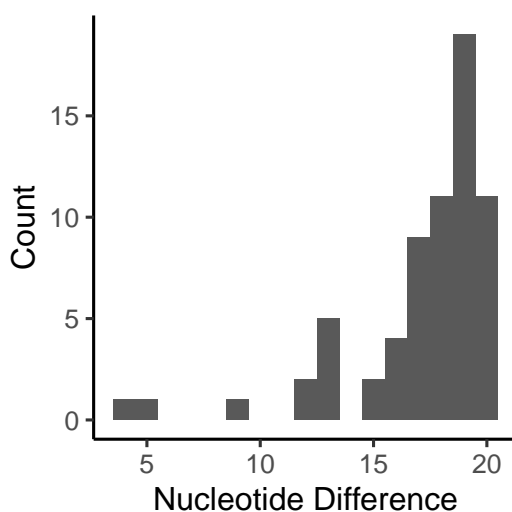
IGHV3-66*02

2255 sequences assigned
340 (15.1%) exact matches, in which:
234 unique CDR3
6 unique J



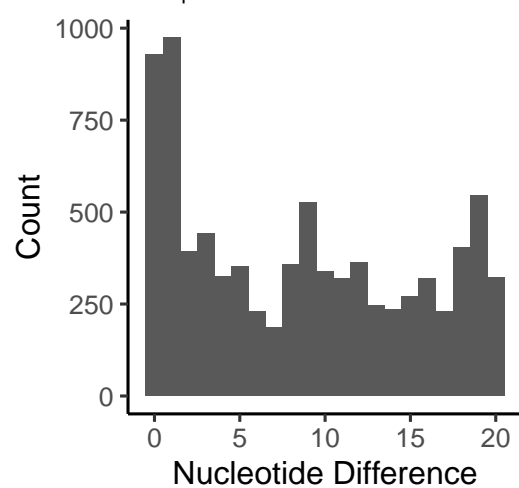
IGHV3-69-1*02

88 sequences assigned
No exact matches.



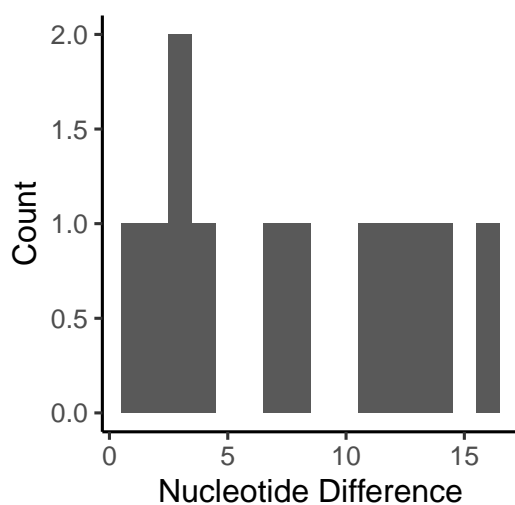
IGHV3-74*01_02

10490 sequences assigned
929 (8.9%) exact matches, in which:
613 unique CDR3
6 unique J



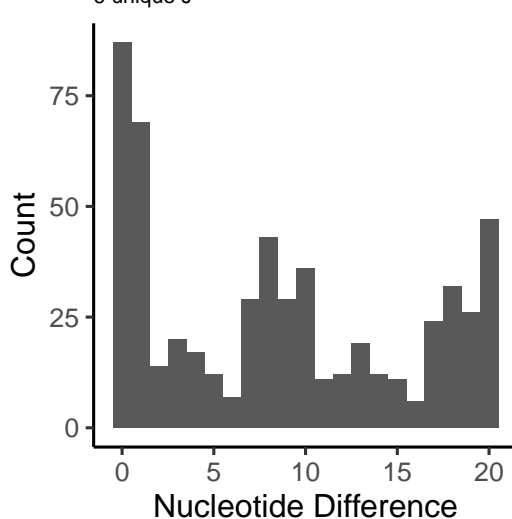
IGHV3-66*03

14 sequences assigned
No exact matches.



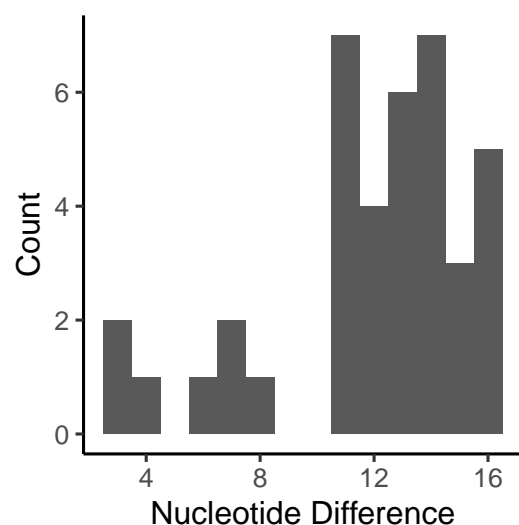
IGHV3-72*01

691 sequences assigned
87 (12.6%) exact matches, in which:
50 unique CDR3
6 unique J



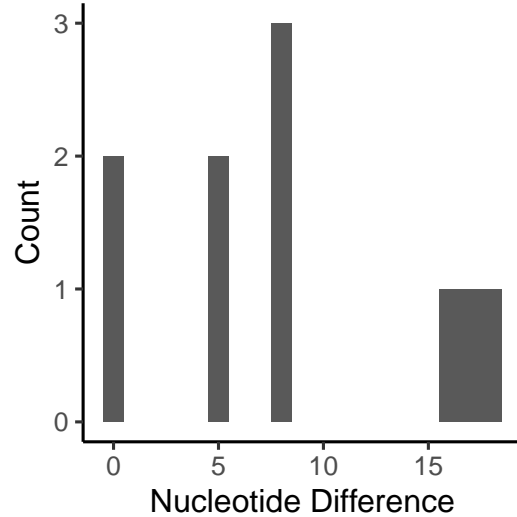
IGHV3-43D*04

39 sequences assigned
No exact matches.



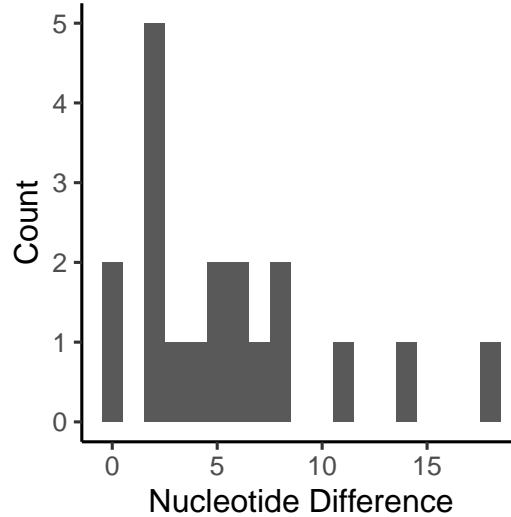
IGHV3-64D*06

22 sequences assigned
2 (9.1%) exact matches, in which:
2 unique CDR3
1 unique J



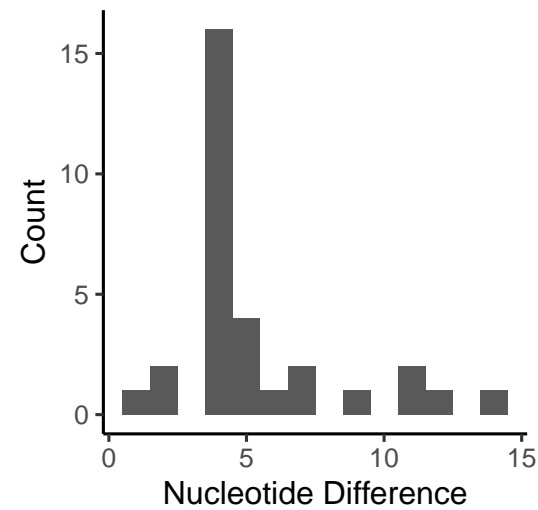
IGHV4-28*03

27 sequences assigned
2 (7.4%) exact matches, in which:
2 unique CDR3
2 unique J



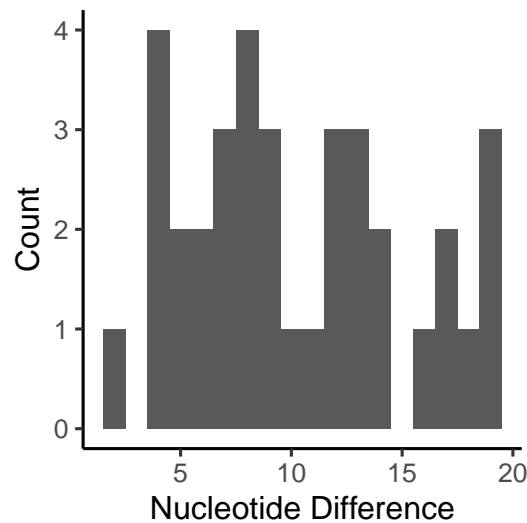
IGHV4-30-4*07

31 sequences assigned
No exact matches.



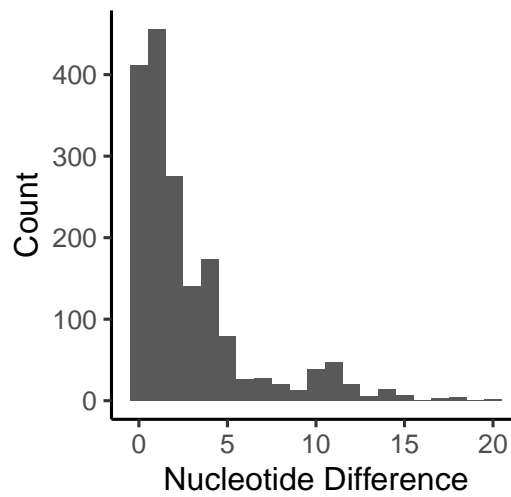
IGHV3-NL1*01

43 sequences assigned
No exact matches.



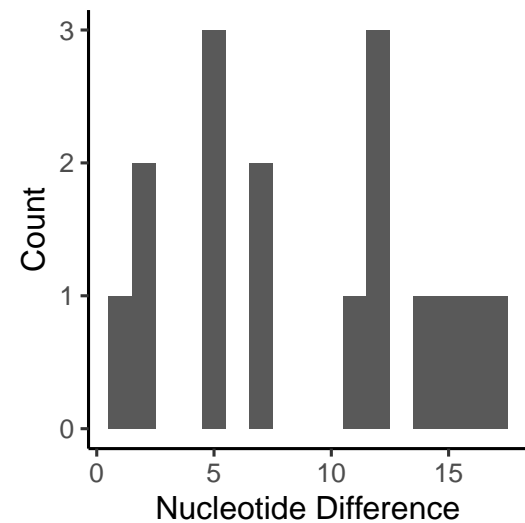
IGHV4-30-2*01

1780 sequences assigned
411 (23.1%) exact matches, in which:
296 unique CDR3
6 unique J



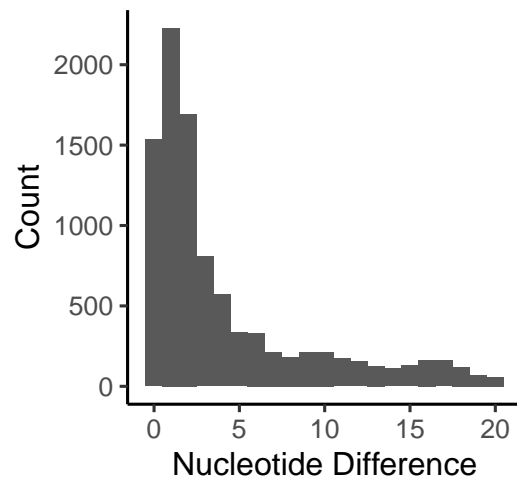
IGHV4-30-4*08

23 sequences assigned
No exact matches.



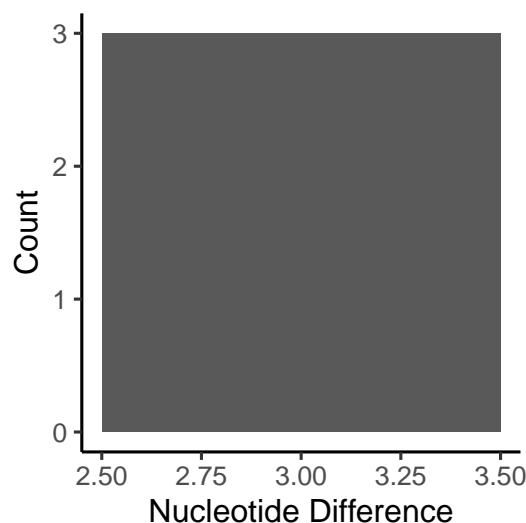
IGHV4-4*07

10281 sequences assigned
1535 (14.9%) exact matches, in which:
1234 unique CDR3
6 unique J



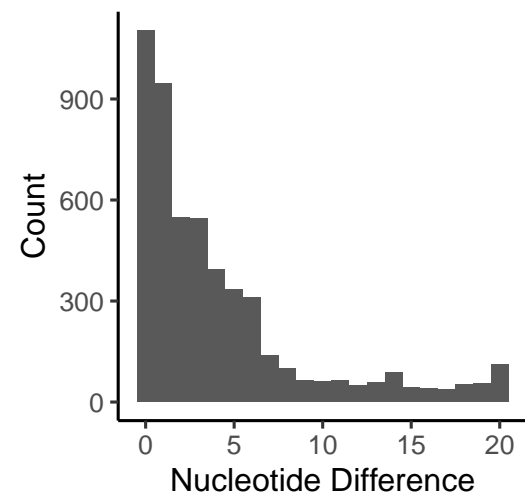
IGHV4-30-4*05

3 sequences assigned
No exact matches.



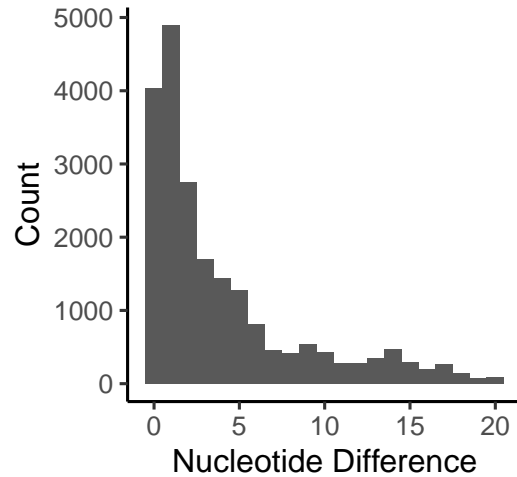
IGHV4-31*03_04

5592 sequences assigned
1104 (19.7%) exact matches, in which:
917 unique CDR3
6 unique J



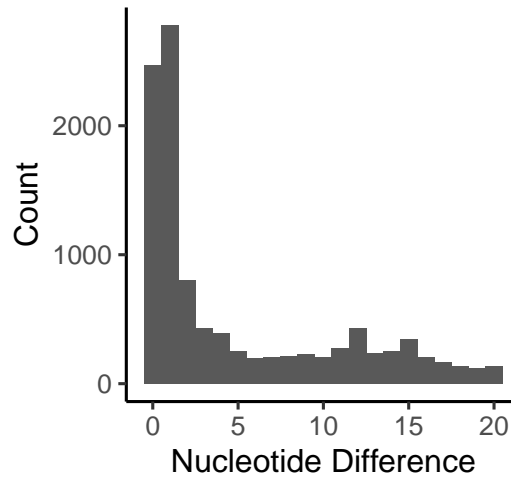
IGHV4-34*01_02

21708 sequences assigned
4030 (18.6%) exact matches, in which:
2684 unique CDR3
6 unique J



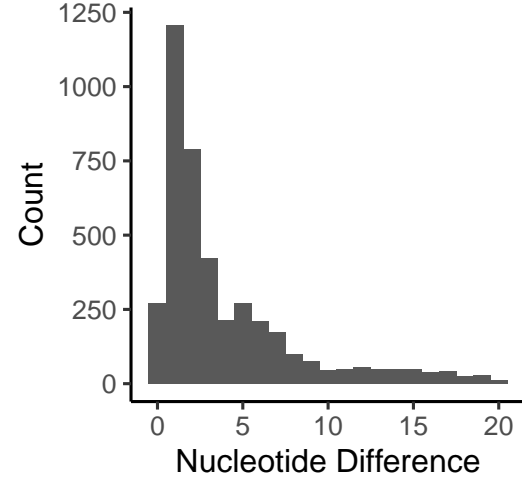
IGHV4-39*01_05

11496 sequences assigned
2471 (21.5%) exact matches, in which:
1799 unique CDR3
6 unique J



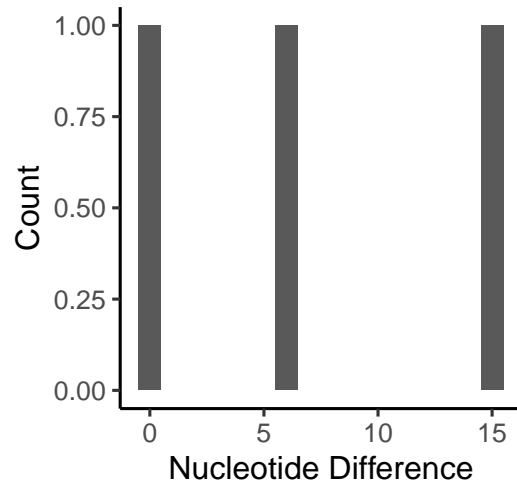
IGHV4-59*12

4299 sequences assigned
271 (6.3%) exact matches, in which:
255 unique CDR3
6 unique J



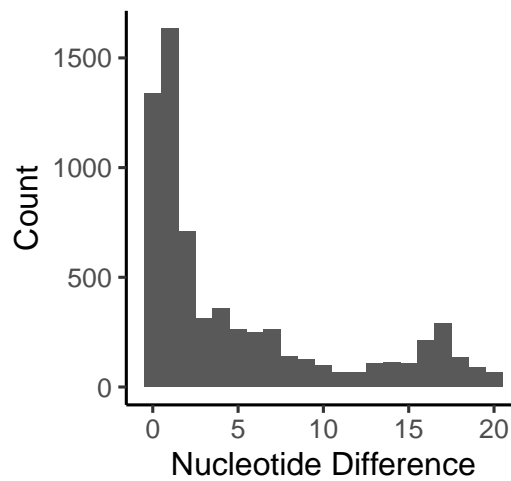
IGHV4-38-2*02

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



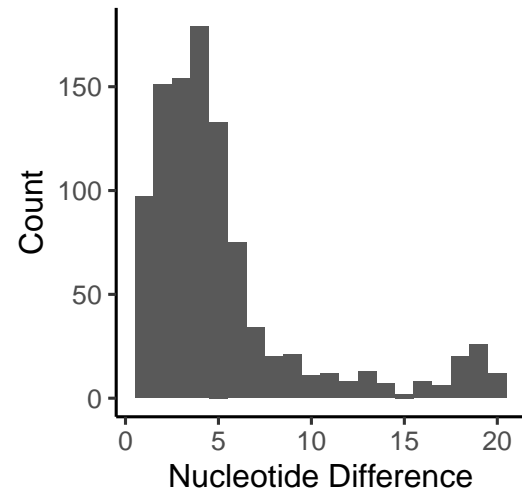
IGHV4-59*08

7501 sequences assigned
1340 (17.9%) exact matches, in which:
1069 unique CDR3
6 unique J



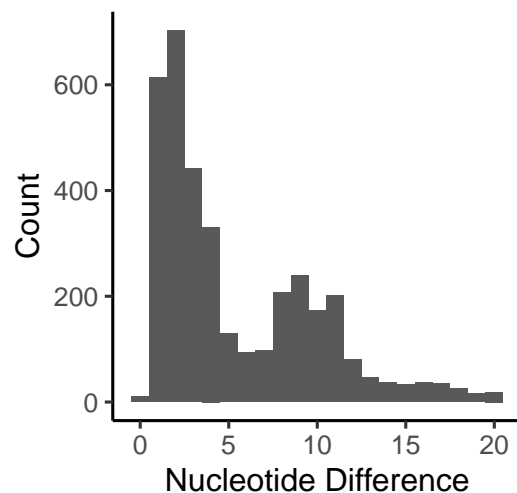
IGHV4-61*01

1044 sequences assigned
No exact matches.



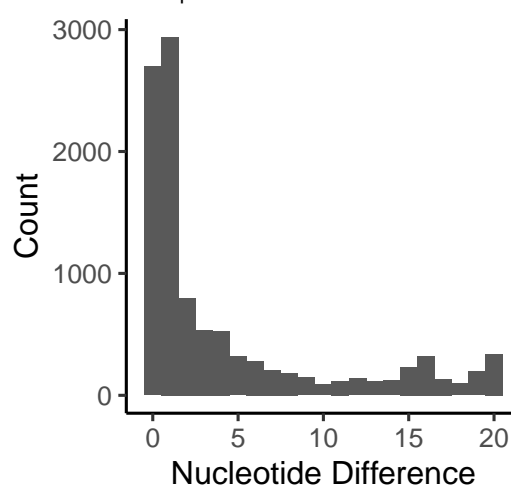
IGHV4-39*07

3626 sequences assigned
11 (0.3%) exact matches, in which:
11 unique CDR3
4 unique J



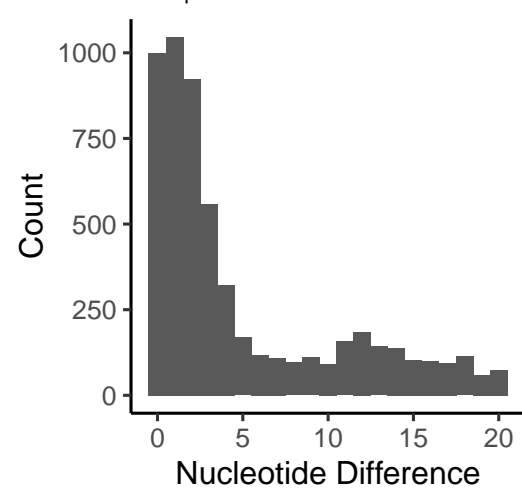
IGHV4-59*01_07

11713 sequences assigned
2697 (23%) exact matches, in which:
2140 unique CDR3
6 unique J



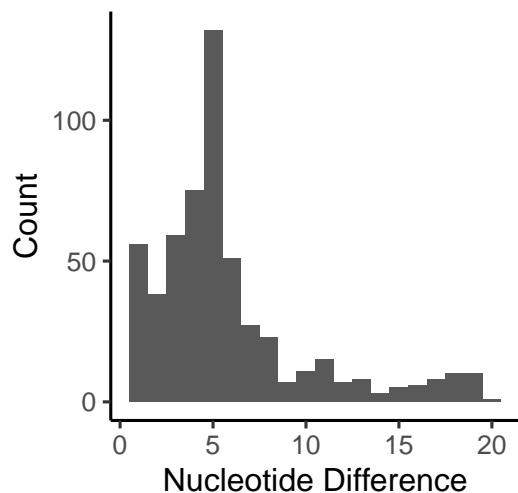
IGHV4-61*02

6857 sequences assigned
1000 (14.6%) exact matches, in which:
866 unique CDR3
6 unique J



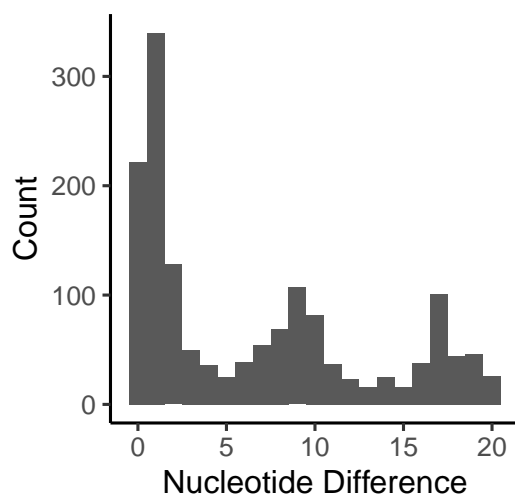
IGHV4-61*08

576 sequences assigned
No exact matches.



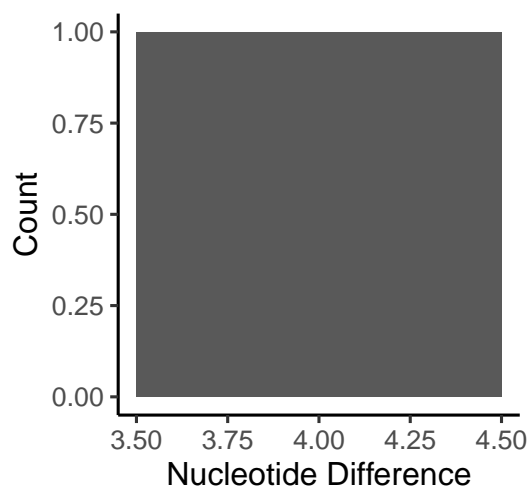
IGHV6-1*01_02

1614 sequences assigned
222 (13.8%) exact matches, in which:
180 unique CDR3
6 unique J



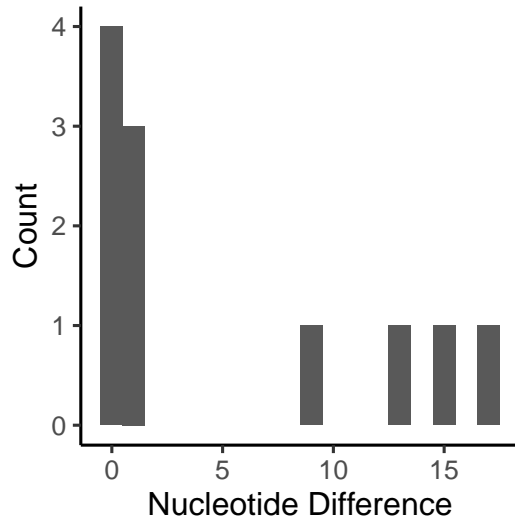
IGHV5-10-1*01_03

2 sequences assigned
No exact matches.



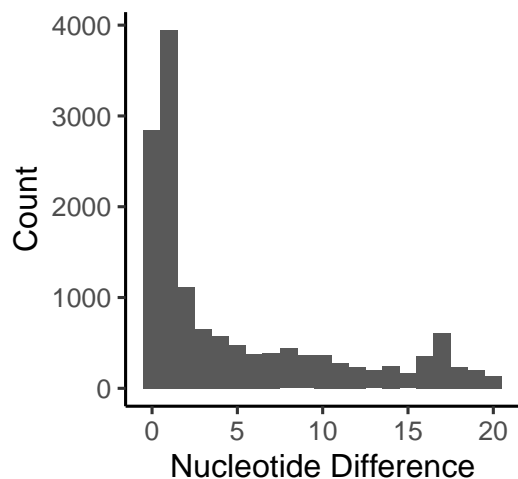
IGHV7-4-1*02

11 sequences assigned
4 (36.4%) exact matches, in which:
3 unique CDR3
1 unique J



IGHV5-51*01_03

14754 sequences assigned
2842 (19.3%) exact matches, in which:
1458 unique CDR3
6 unique J





Warning – no inferred sequences found.

Novel sequence(s)IGHV3–33*01_G75CIGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV3–33*01_G75CIGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV3–30*03_T288CIGHV4–59*02_G88AIGHV5–51*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_G112AIGHV4–59*02_G88AIGHV5–10–1*01_03_T258CIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV1–69*08_C191TIGHV3–48*03_T303GIGHV4–59*02_G88AIGHV5–51*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_T288CIGHV5–51*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_C191TIGHV3–30*03_T288CIGHV3–30–3*02_G75CIGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

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