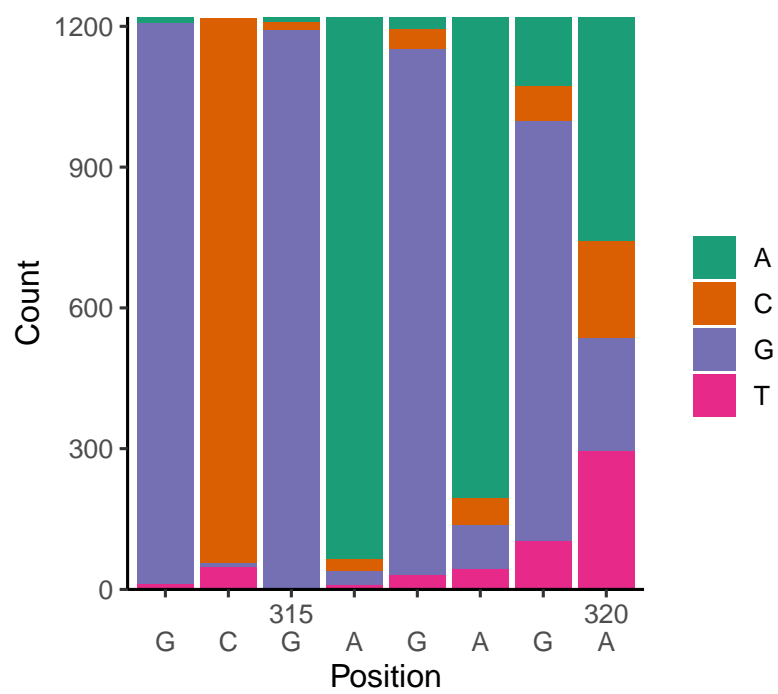


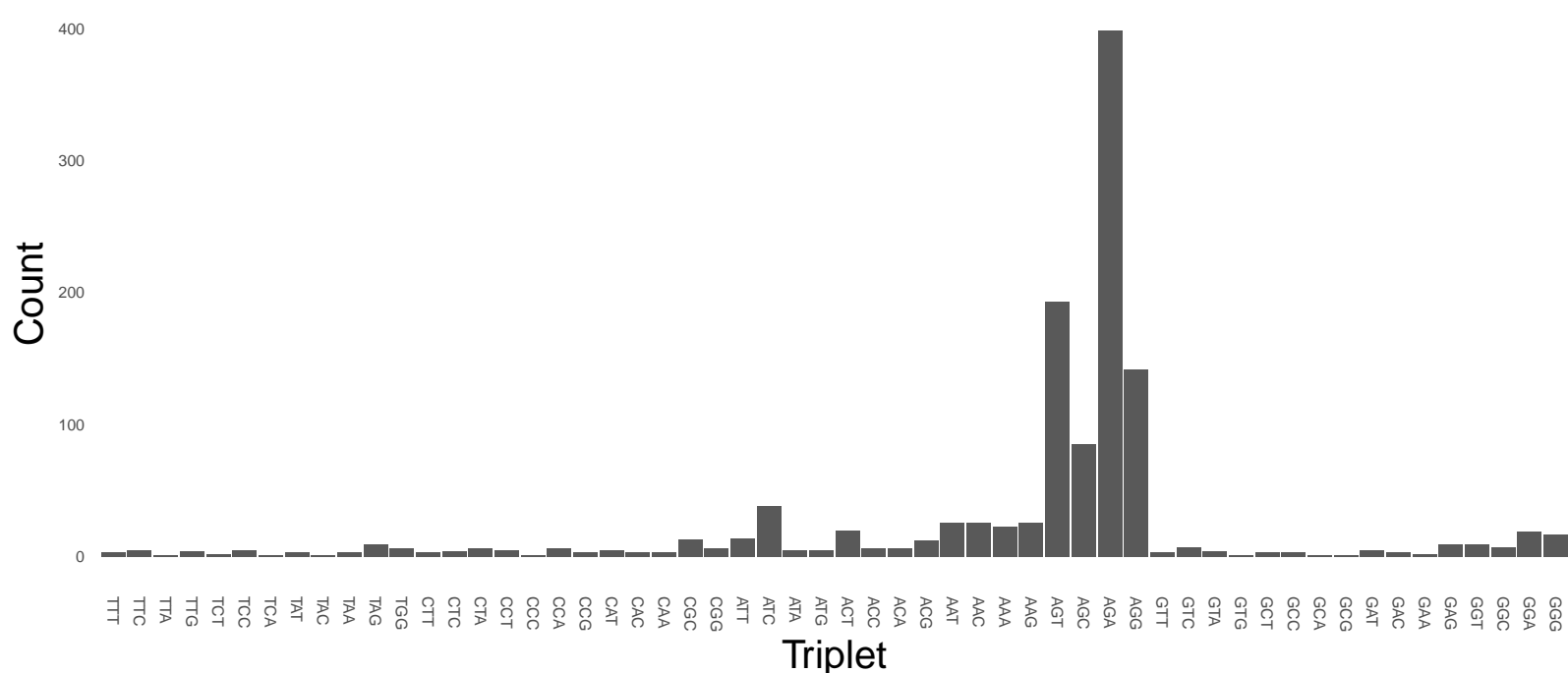
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

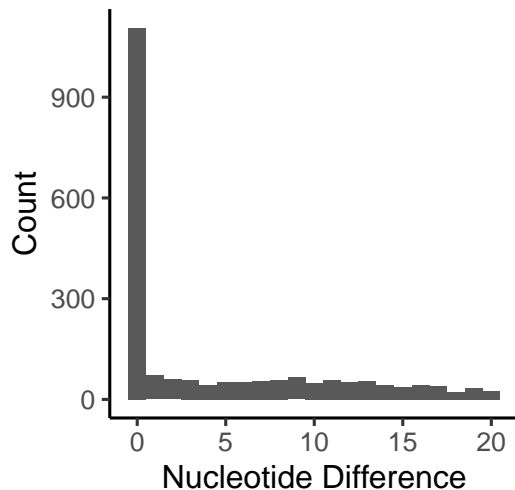


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



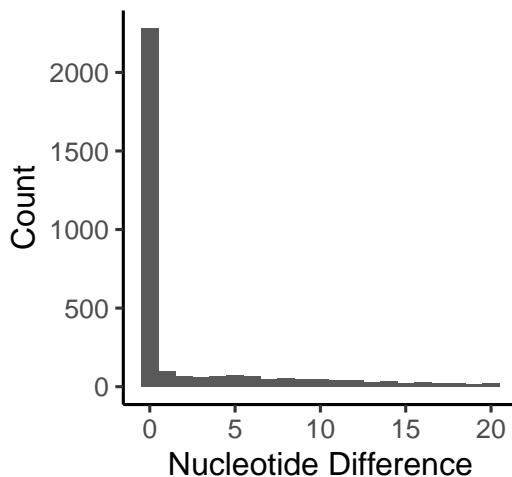
IGHV1-2*02

2239 sequences assigned
1107 (49.4%) exact matches, in which:
1106 unique CDR3
6 unique J



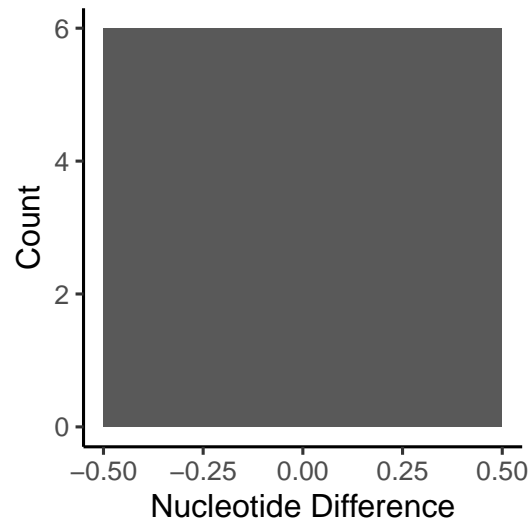
IGHV1-8*01

3293 sequences assigned
2280 (69.2%) exact matches, in which:
2274 unique CDR3
6 unique J



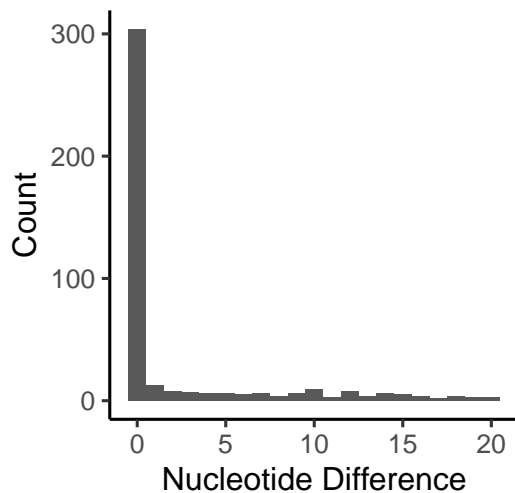
IGHV1-45*02

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



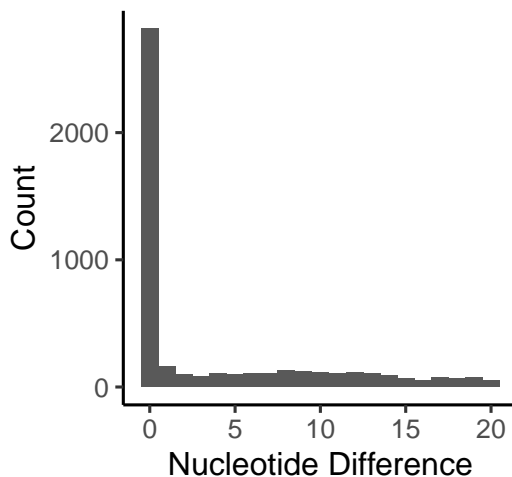
IGHV1-2*04

439 sequences assigned
304 (69.2%) exact matches, in which:
304 unique CDR3
6 unique J



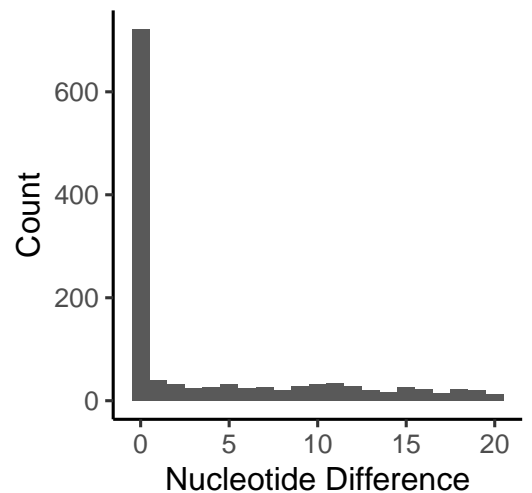
IGHV1-18*01

5169 sequences assigned
2817 (54.5%) exact matches, in which:
2799 unique CDR3
6 unique J



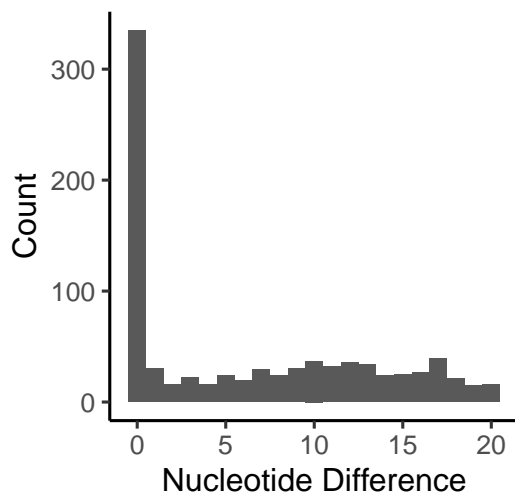
IGHV1-46*01

1335 sequences assigned
722 (54.1%) exact matches, in which:
720 unique CDR3
6 unique J



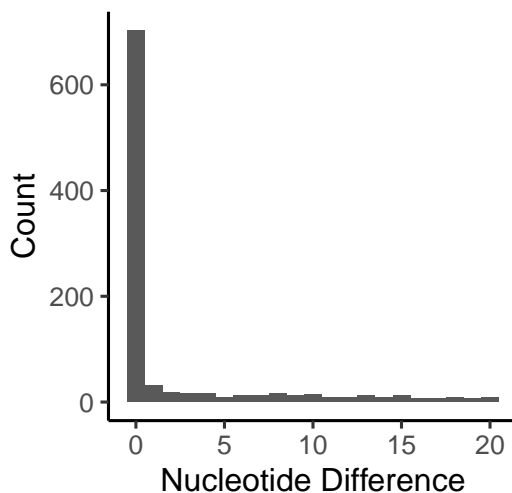
IGHV1-3*01_05

935 sequences assigned
335 (35.8%) exact matches, in which:
335 unique CDR3
6 unique J



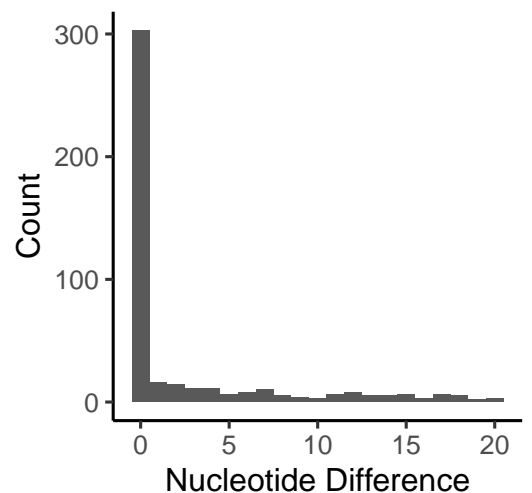
IGHV1-24*01

983 sequences assigned
703 (71.5%) exact matches, in which:
702 unique CDR3
6 unique J



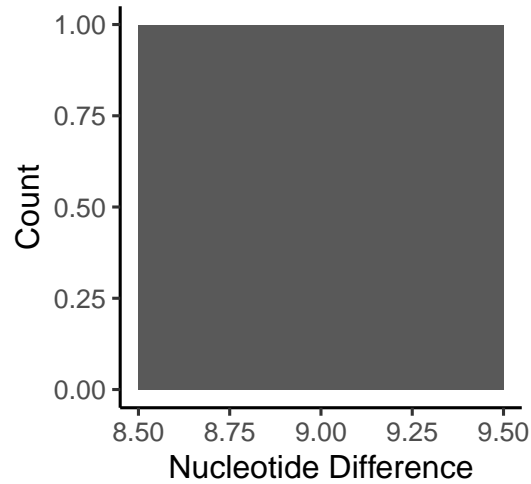
IGHV1-58*01_03

465 sequences assigned
303 (65.2%) exact matches, in which:
303 unique CDR3
6 unique J



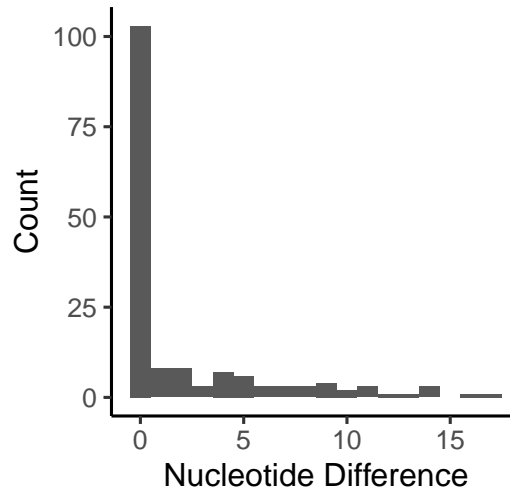
IGHV1–NL1*01

2 sequences assigned
No exact matches.



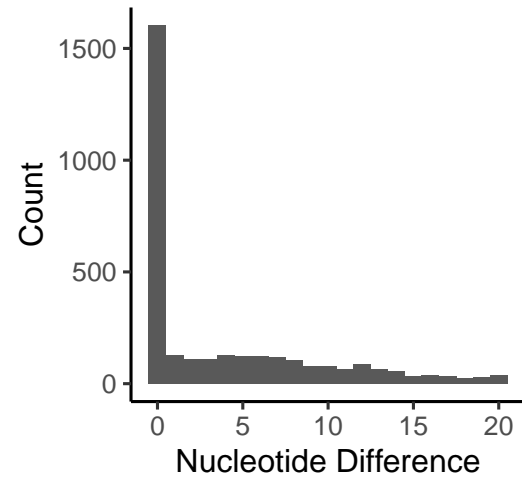
IGHV2–26*01

162 sequences assigned
103 (63.6%) exact matches, in which:
103 unique CDR3
5 unique J



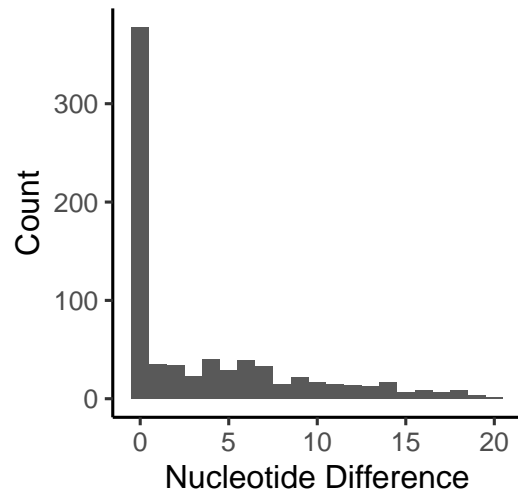
IGHV3–9*01

3372 sequences assigned
1603 (47.5%) exact matches, in which:
1557 unique CDR3
6 unique J



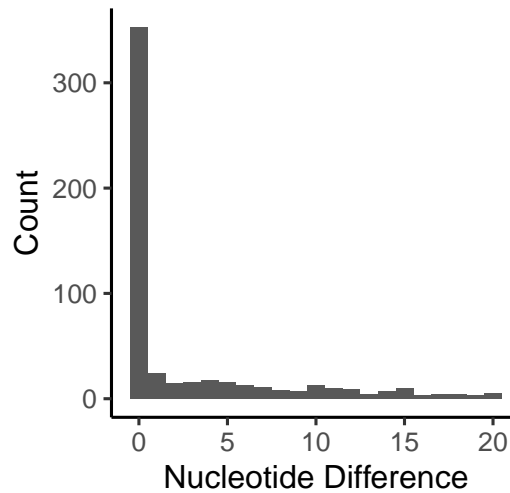
IGHV2–5*01

780 sequences assigned
378 (48.5%) exact matches, in which:
377 unique CDR3
6 unique J



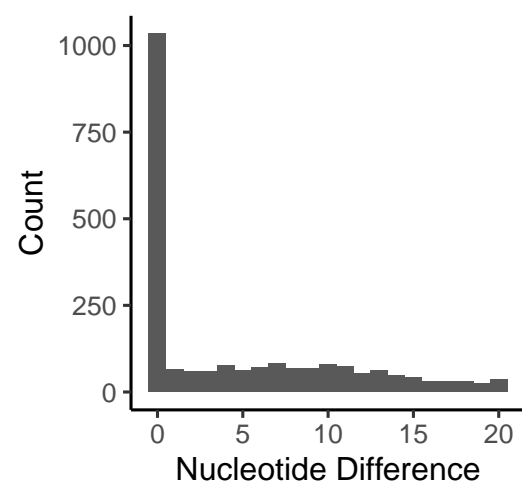
IGHV2–70*01

566 sequences assigned
353 (62.4%) exact matches, in which:
349 unique CDR3
6 unique J



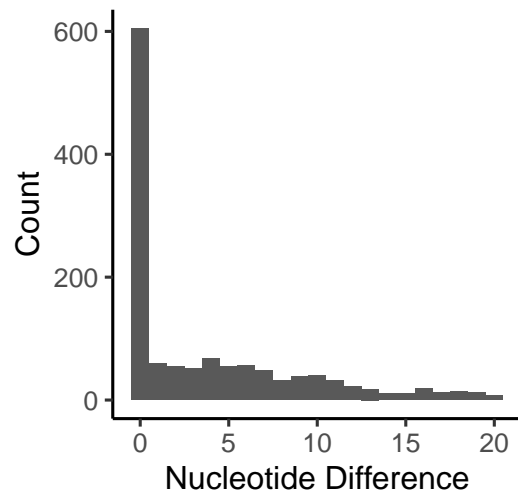
IGHV3–11*01

2348 sequences assigned
1034 (44%) exact matches, in which:
1004 unique CDR3
6 unique J



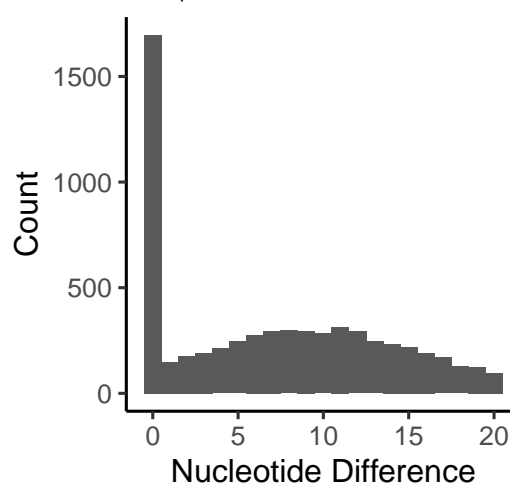
IGHV2–5*02

1313 sequences assigned
605 (46.1%) exact matches, in which:
602 unique CDR3
6 unique J



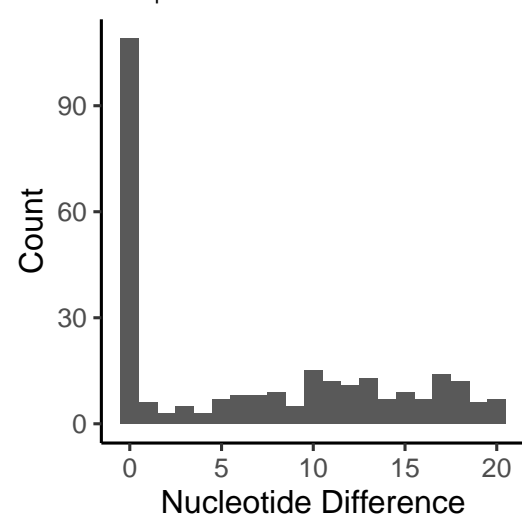
IGHV3–7*01

6591 sequences assigned
1696 (25.7%) exact matches, in which:
1614 unique CDR3
6 unique J



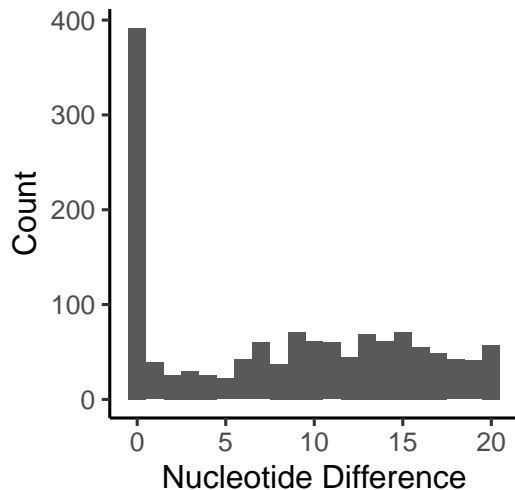
IGHV3–13*01

312 sequences assigned
109 (34.9%) exact matches, in which:
105 unique CDR3
5 unique J



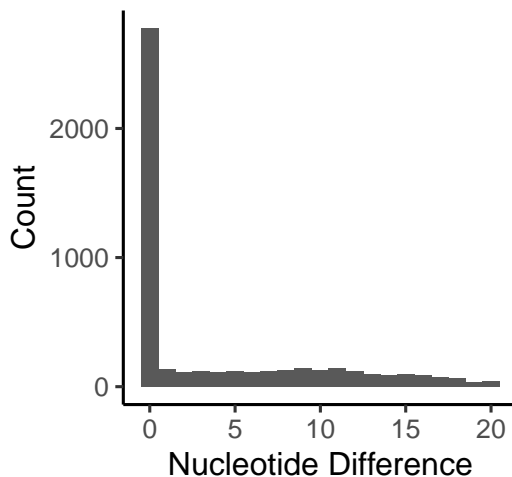
IGHV3-15*01_02

1638 sequences assigned
392 (23.9%) exact matches, in which:
386 unique CDR3
6 unique J



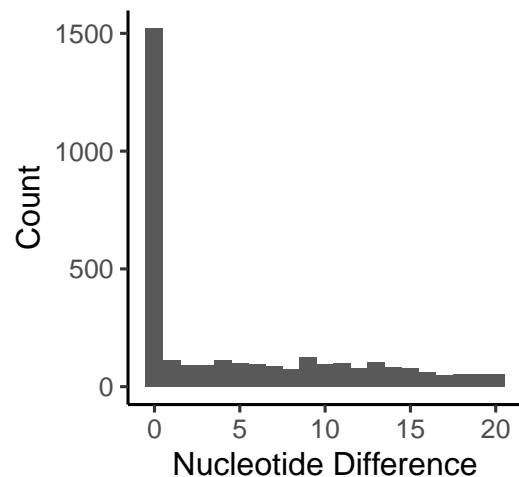
IGHV3-21*01_02

5127 sequences assigned
2775 (54.1%) exact matches, in which:
2654 unique CDR3
6 unique J



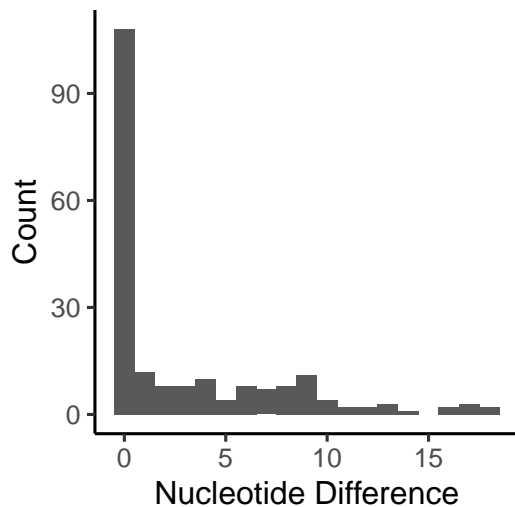
IGHV3-33*01

3505 sequences assigned
1521 (43.4%) exact matches, in which:
1484 unique CDR3
6 unique J



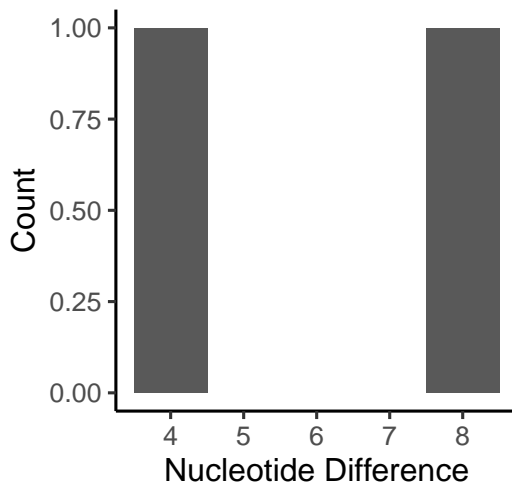
IGHV3-20*01_02

214 sequences assigned
108 (50.5%) exact matches, in which:
102 unique CDR3
5 unique J



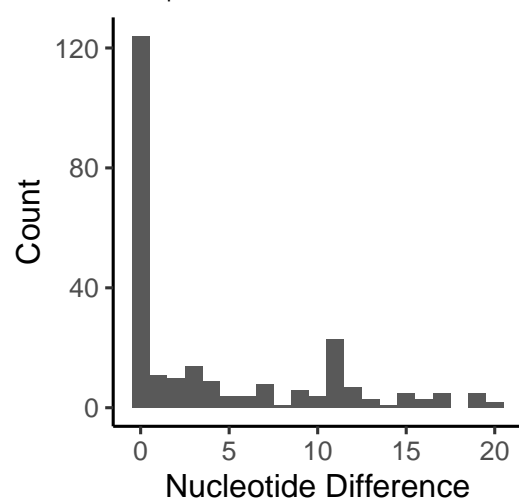
IGHV3-30-3*01

2 sequences assigned
No exact matches.



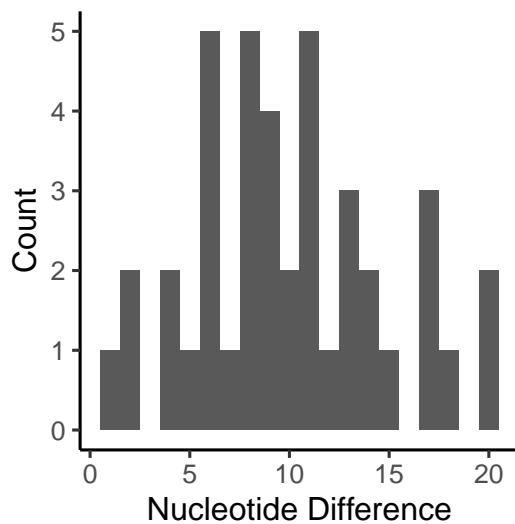
IGHV3-43*01

279 sequences assigned
124 (44.4%) exact matches, in which:
118 unique CDR3
6 unique J



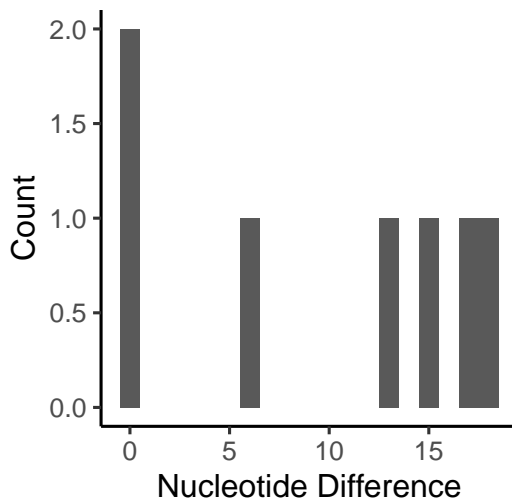
IGHV3-20*03_04

49 sequences assigned
No exact matches.



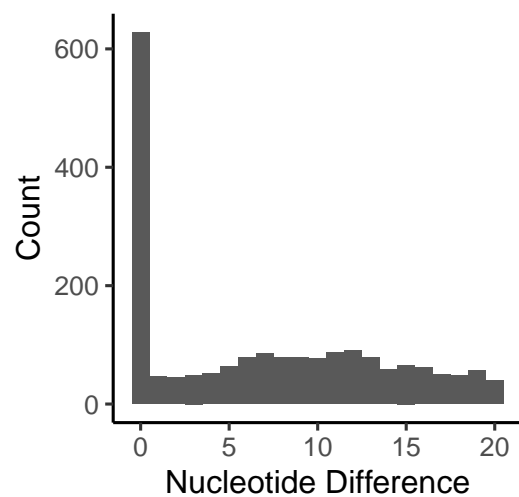
IGHV3-30-3*03

15 sequences assigned
2 (13.3%) exact matches, in which:
2 unique CDR3
2 unique J



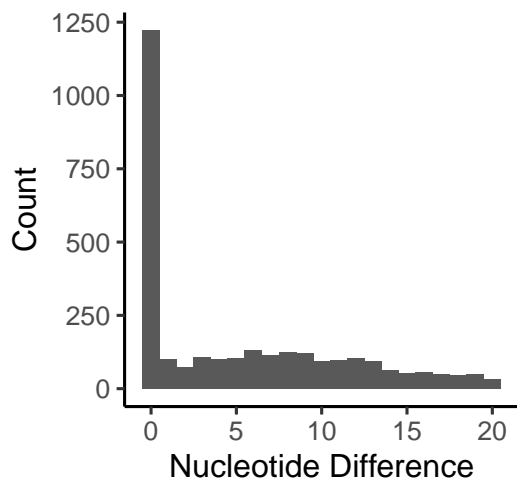
IGHV3-48*02

2205 sequences assigned
628 (28.5%) exact matches, in which:
608 unique CDR3
6 unique J



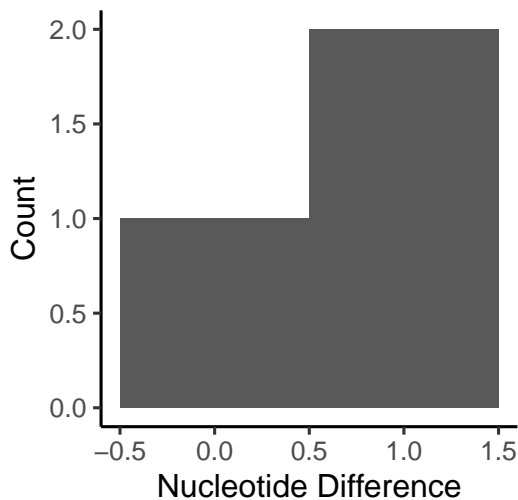
IGHV3-48*03

3187 sequences assigned
1222 (38.3%) exact matches, in which:
1178 unique CDR3
6 unique J



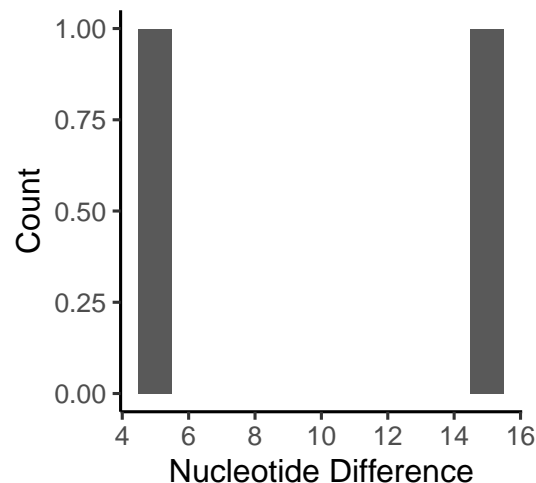
IGHV3-52*01_03

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



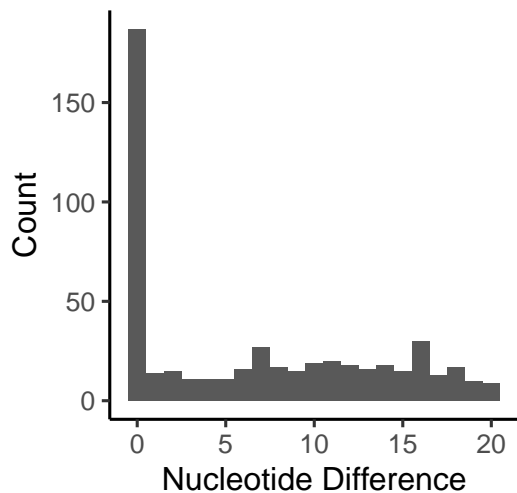
IGHV3-66*02

2 sequences assigned
No exact matches.



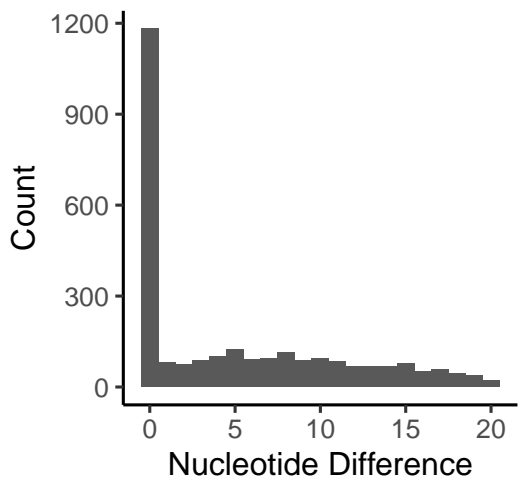
IGHV3-49*04

592 sequences assigned
187 (31.6%) exact matches, in which:
185 unique CDR3
5 unique J



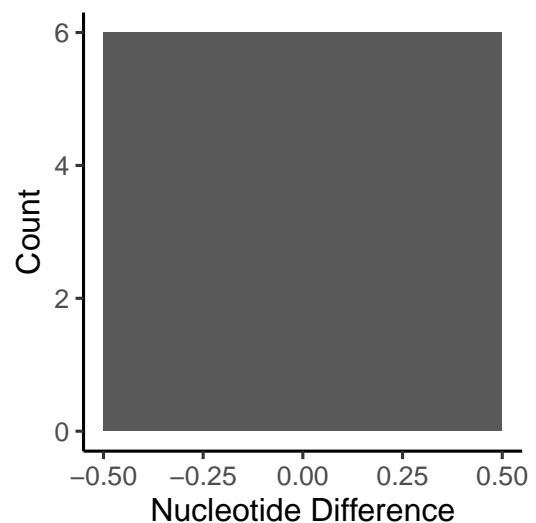
IGHV3-53*01_02

2952 sequences assigned
1182 (40%) exact matches, in which:
1135 unique CDR3
6 unique J



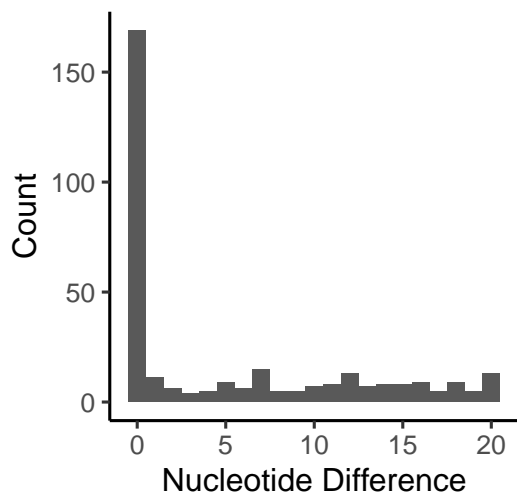
IGHV3-66*03

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



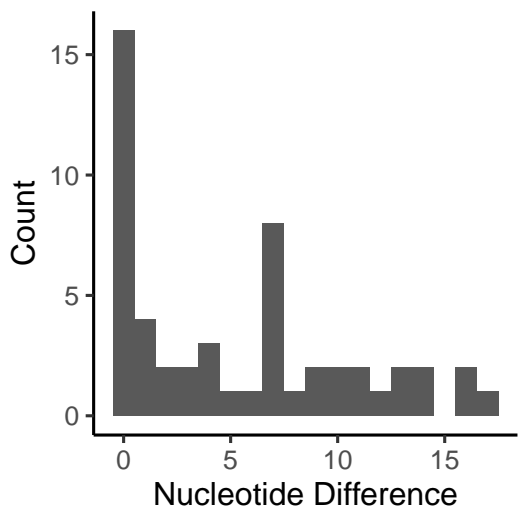
IGHV3-49*03_05

363 sequences assigned
169 (46.6%) exact matches, in which:
165 unique CDR3
6 unique J



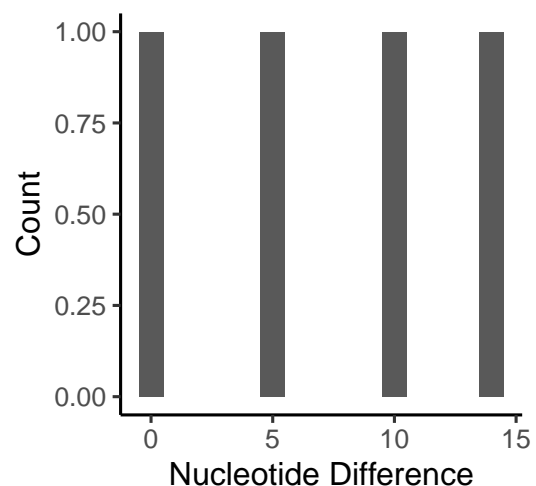
IGHV3-64*02_07

57 sequences assigned
16 (28.1%) exact matches, in which:
16 unique CDR3
4 unique J



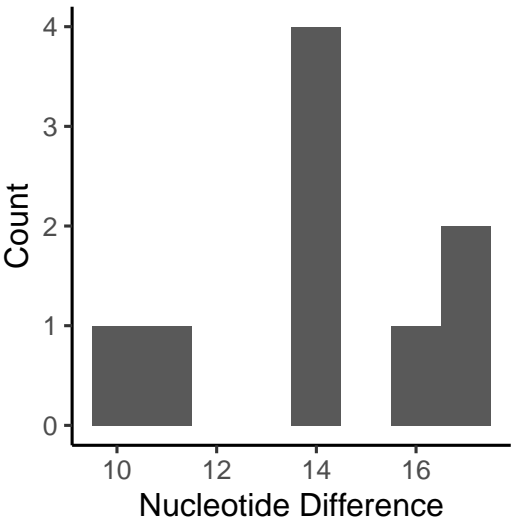
IGHV3-66*04

7 sequences assigned
1 (14.3%) exact matches, in which:
1 unique CDR3
1 unique J



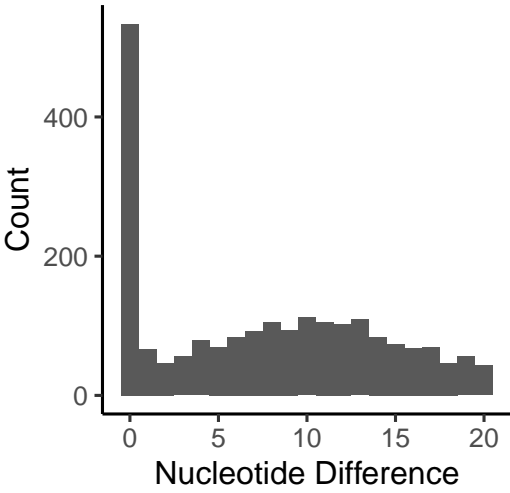
IGHV3-69-1*01

15 sequences assigned
No exact matches.



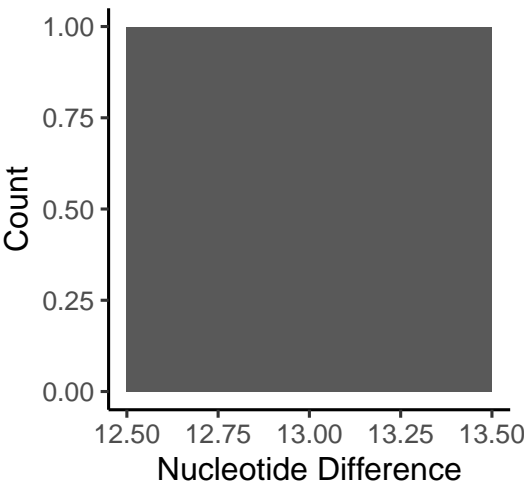
IGHV3-74*01_02

2379 sequences assigned
534 (22.4%) exact matches, in which:
520 unique CDR3
6 unique J



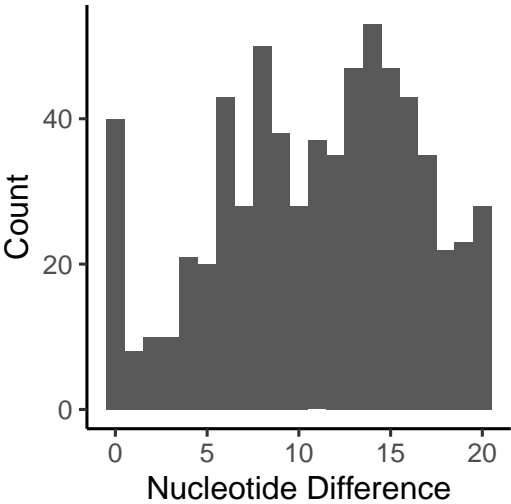
IGHV3-64D*08

1 sequences assigned
No exact matches.



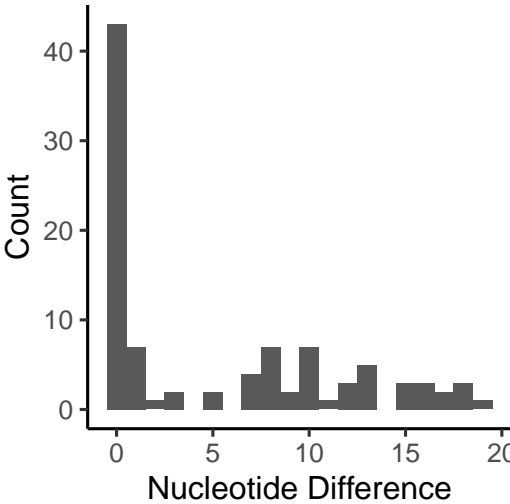
IGHV3-72*01

791 sequences assigned
40 (5.1%) exact matches, in which:
40 unique CDR3
5 unique J



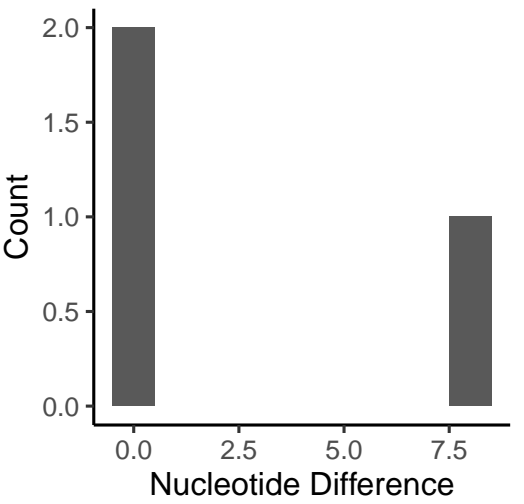
IGHV3-43D*04

103 sequences assigned
43 (41.7%) exact matches, in which:
42 unique CDR3
4 unique J



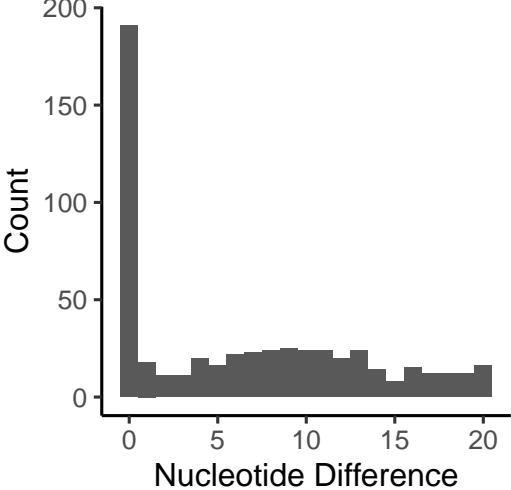
IGHV3-64D*09

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



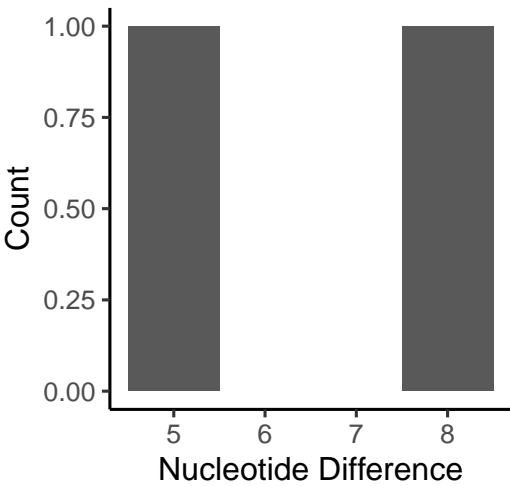
IGHV3-73*01_02

610 sequences assigned
191 (31.3%) exact matches, in which:
183 unique CDR3
6 unique J



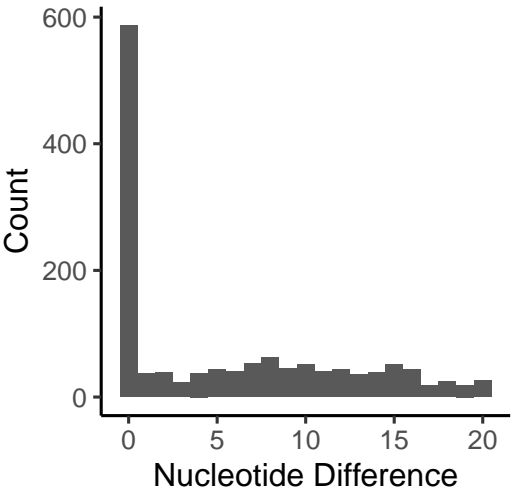
IGHV3-64D*06

2 sequences assigned
No exact matches.



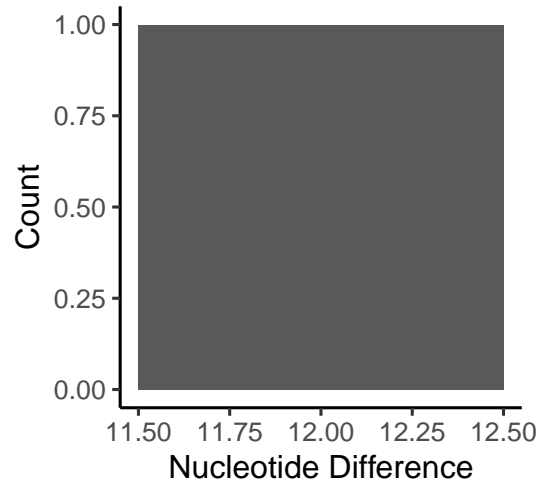
IGHV4-4*07

1514 sequences assigned
587 (38.8%) exact matches, in which:
581 unique CDR3
6 unique J



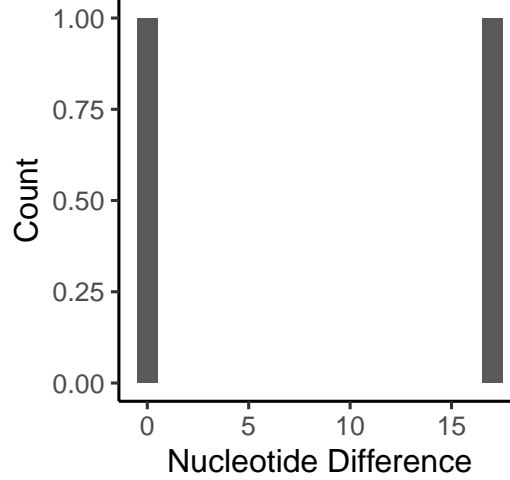
IGHV4-28*03

1 sequences assigned
No exact matches.



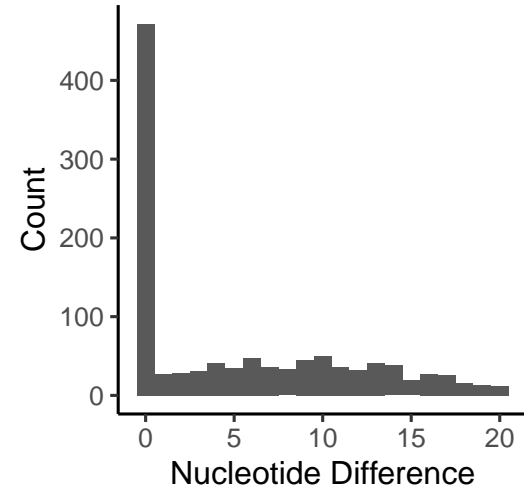
IGHV4-30-2*01

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



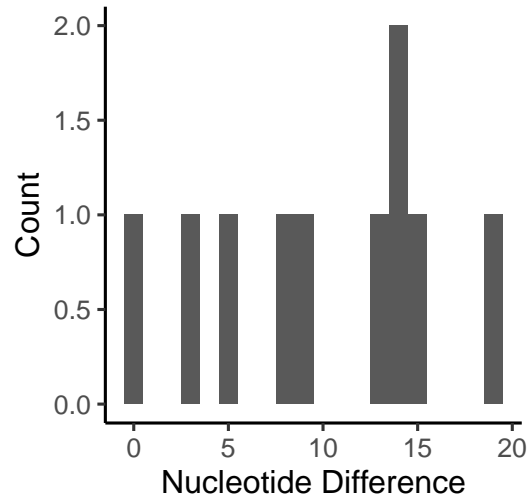
IGHV4-38-2*02_A70G

1220 sequences assigned
472 (38.7%) exact matches, in which:
465 unique CDR3
6 unique J



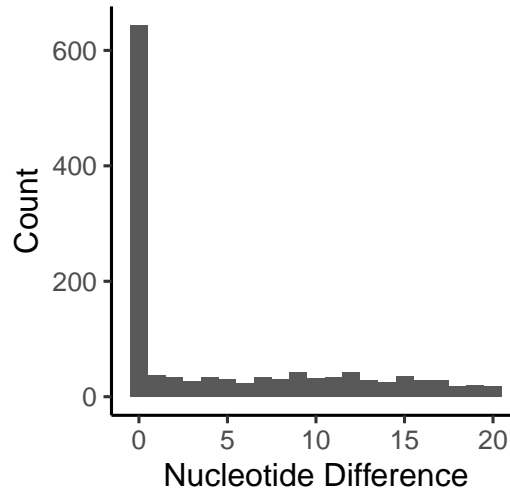
IGHV4-28*01_07

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



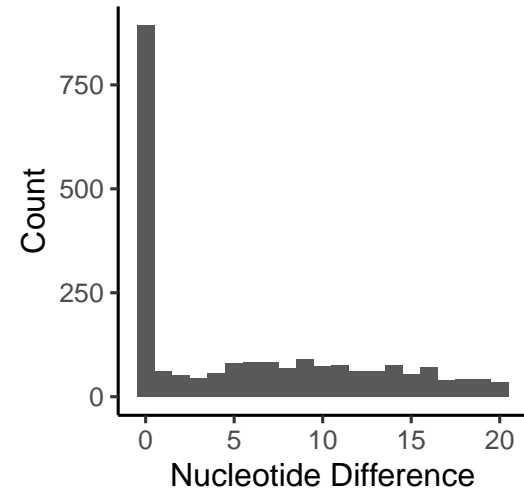
IGHV4-31*03_04

1384 sequences assigned
644 (46.5%) exact matches, in which:
637 unique CDR3
6 unique J



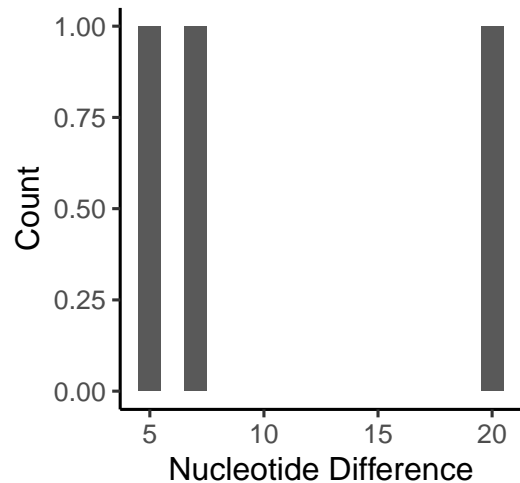
IGHV4-39*01_05

2485 sequences assigned
894 (36%) exact matches, in which:
882 unique CDR3
6 unique J



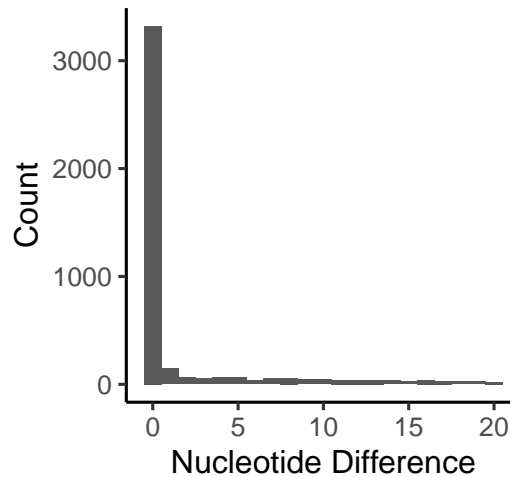
IGHV4-28*02_05

3 sequences assigned
No exact matches.



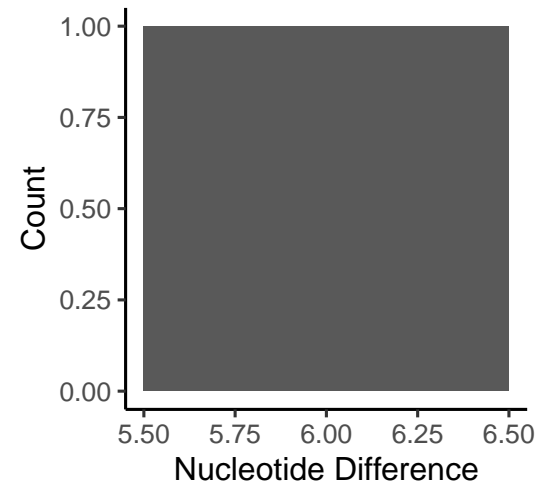
IGHV4-34*01_02

4484 sequences assigned
3321 (74.1%) exact matches, in which:
3234 unique CDR3
6 unique J



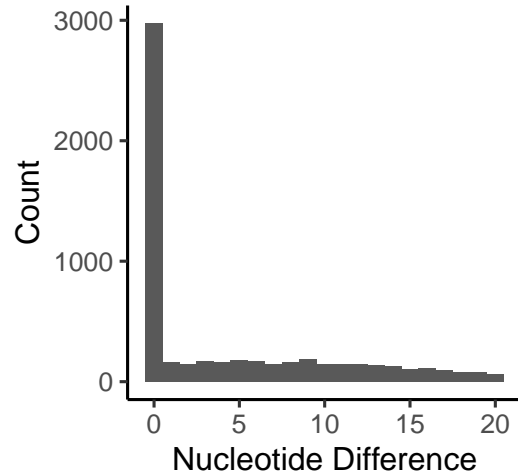
IGHV4-55*02_04_08

3 sequences assigned
No exact matches.



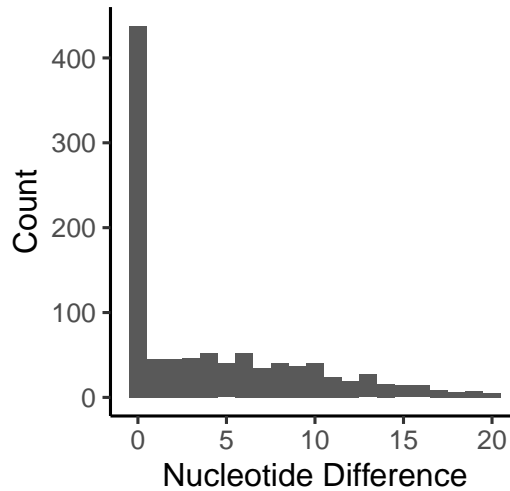
IGHV4-59*01_07

6151 sequences assigned
2974 (48.3%) exact matches, in which:
2885 unique CDR3
6 unique J



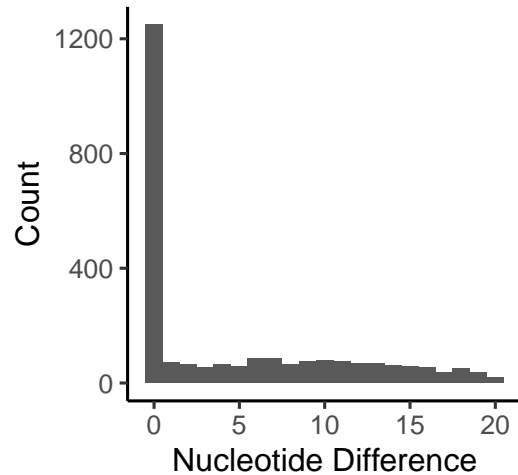
IGHV6-1*01_02

1041 sequences assigned
438 (42.1%) exact matches, in which:
438 unique CDR3
6 unique J



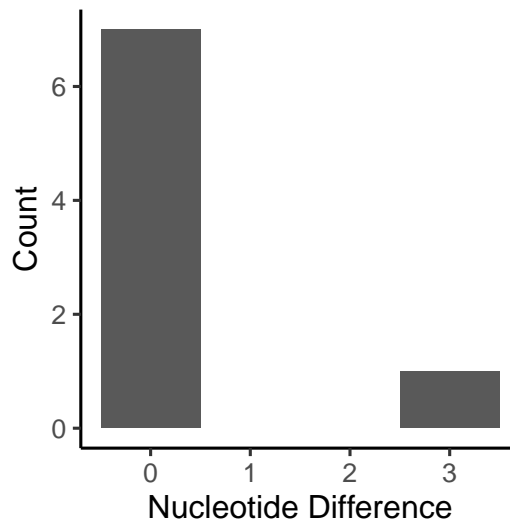
IGHV4-61*01

2635 sequences assigned
1249 (47.4%) exact matches, in which:
1209 unique CDR3
6 unique J



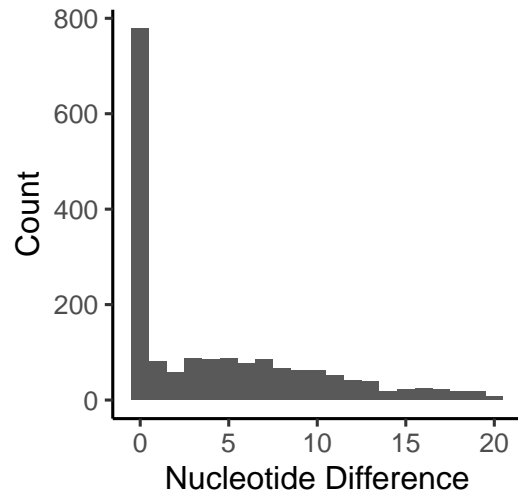
IGHV7-4-1*01

8 sequences assigned
7 (87.5%) exact matches, in which:
7 unique CDR3
3 unique J



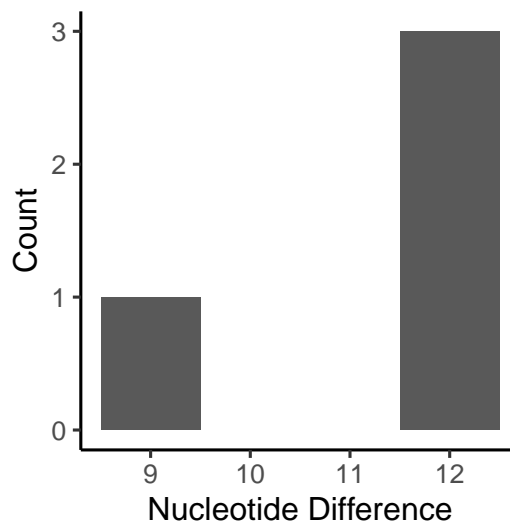
IGHV5-51*01_03

1853 sequences assigned
779 (42%) exact matches, in which:
779 unique CDR3
6 unique J



IGHV7-4-1*02

4 sequences assigned
No exact matches.





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.

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.

Novel sequence(s)IGHV3–11*06_T300CIGHV4–38–2*02_A70GIGHV4–39*02_C258GIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Novel sequence(s)IGHV4–39*02_C258GIGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.