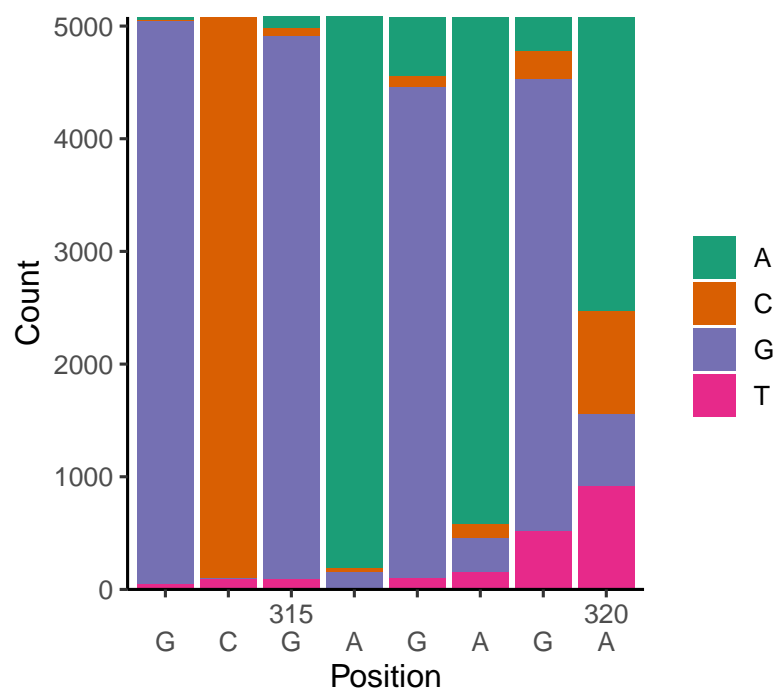
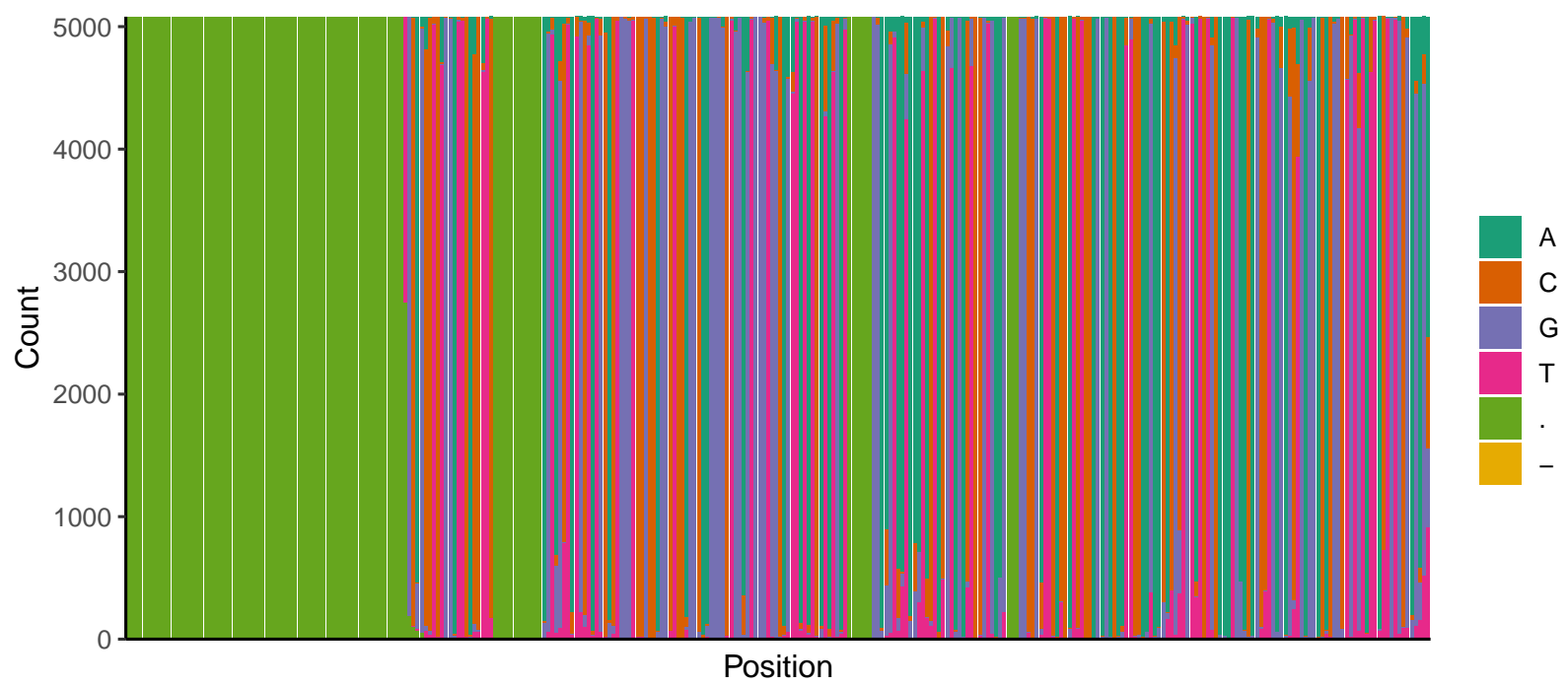


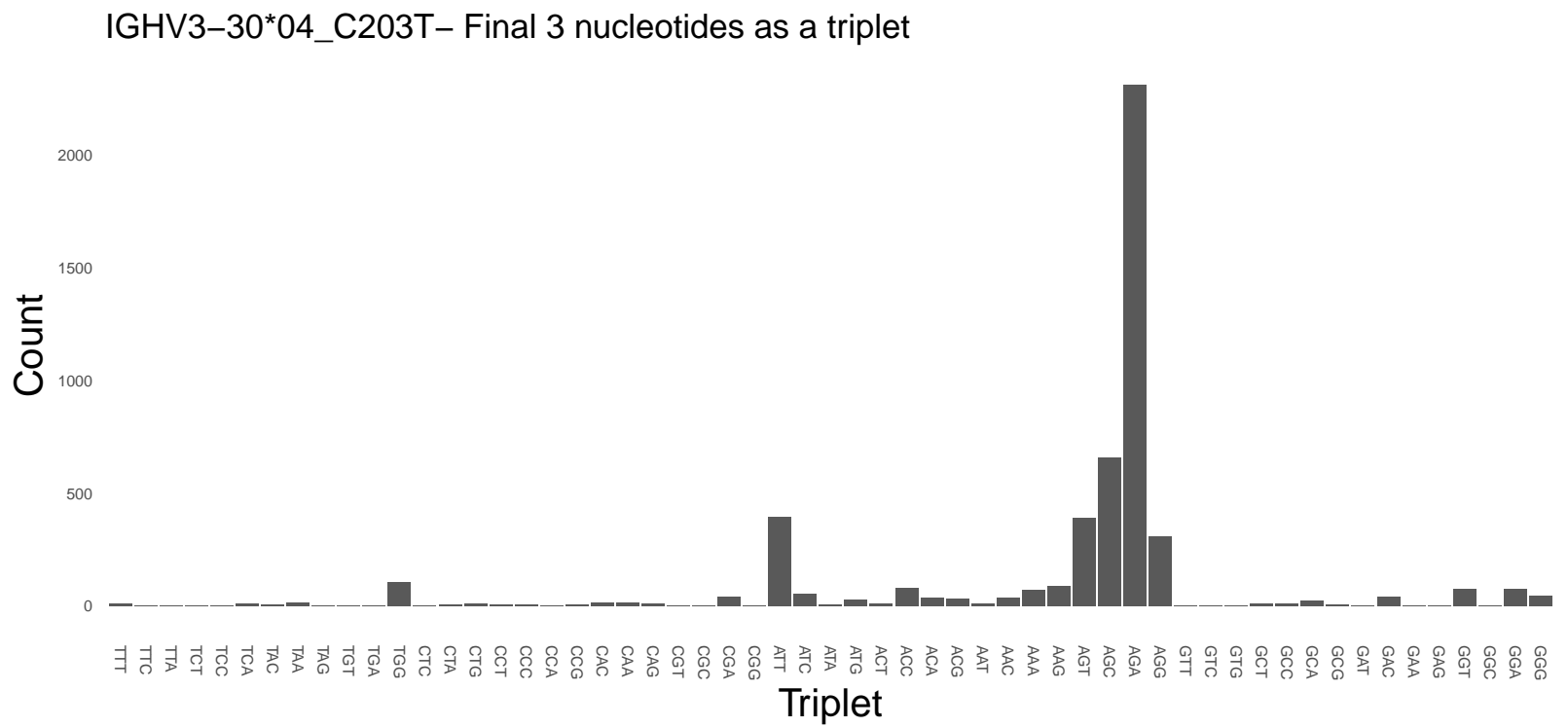
Gene IGHV3-30*04_C203T



Gene IGHV3-30*04_C203T

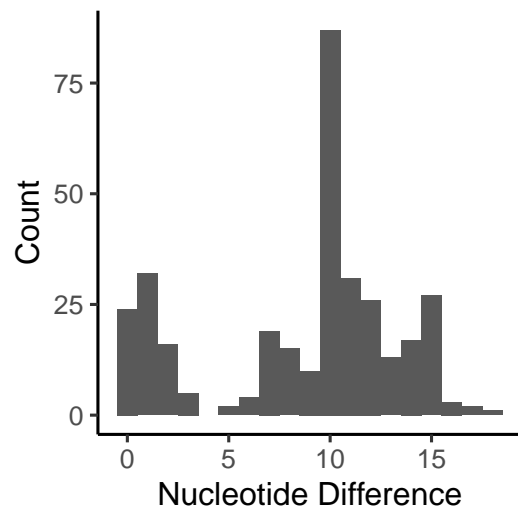


IGHV3-30*04_C203T- Final 3 nucleotides as a triplet



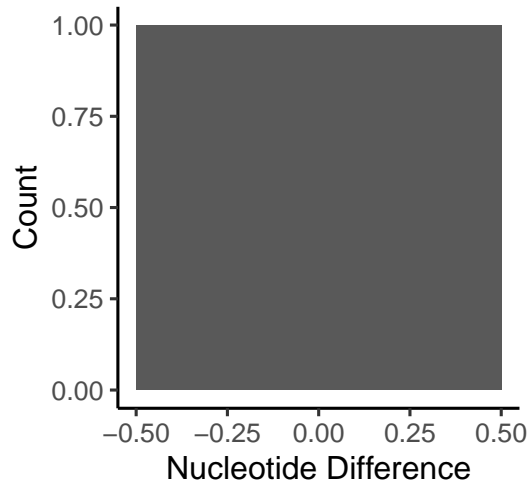
IGHV1-2*02

336 sequences assigned
24 (7.1%) exact matches, in which:
19 unique CDR3
4 unique J



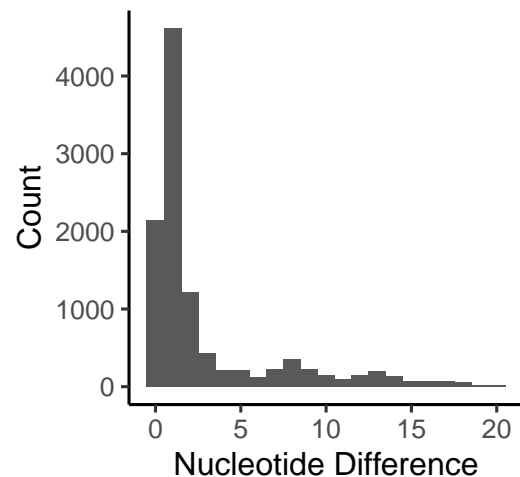
IGHV1-8*01

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



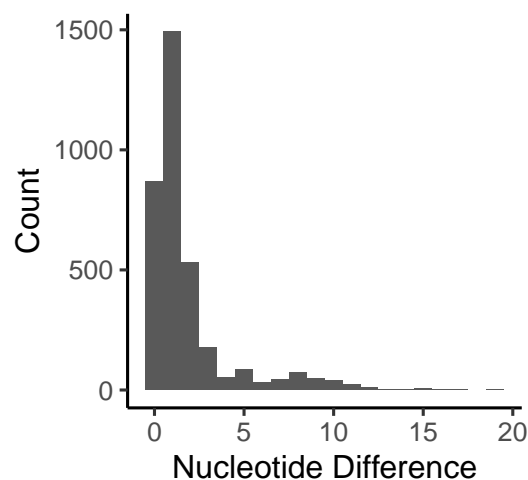
IGHV1-18*04

11246 sequences assigned
2146 (19.1%) exact matches, in which:
1414 unique CDR3
6 unique J



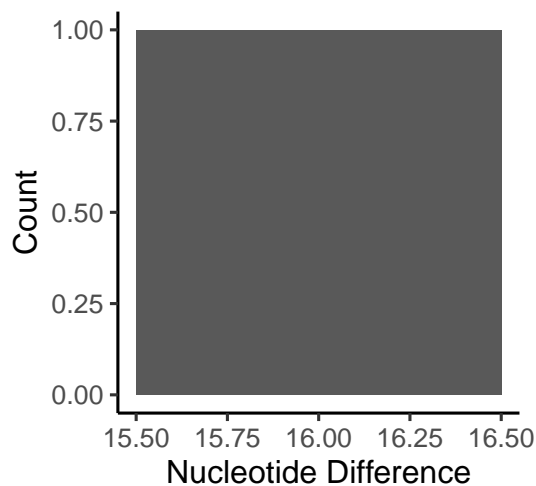
IGHV1-2*04

3580 sequences assigned
870 (24.3%) exact matches, in which:
639 unique CDR3
5 unique J



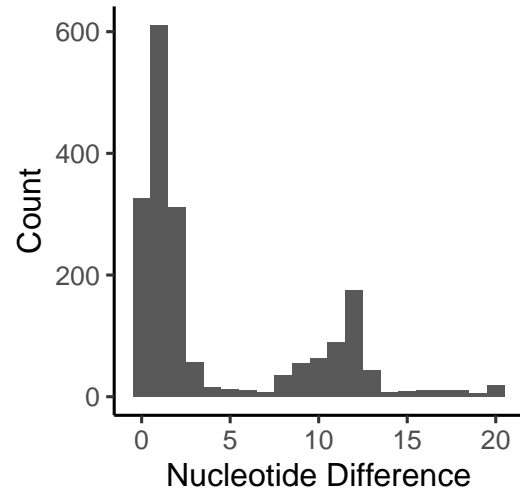
IGHV1-8*02

1 sequences assigned
No exact matches.



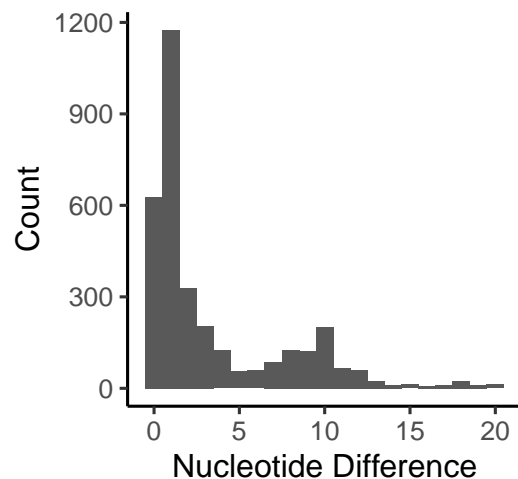
IGHV1-24*01

1989 sequences assigned
326 (16.4%) exact matches, in which:
236 unique CDR3
6 unique J



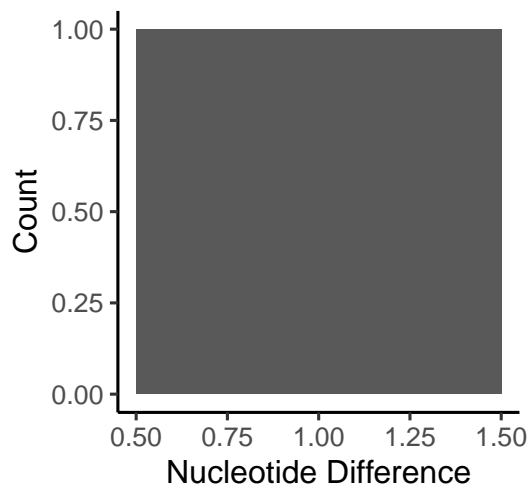
IGHV1-3*01_05

3388 sequences assigned
627 (18.5%) exact matches, in which:
431 unique CDR3
6 unique J



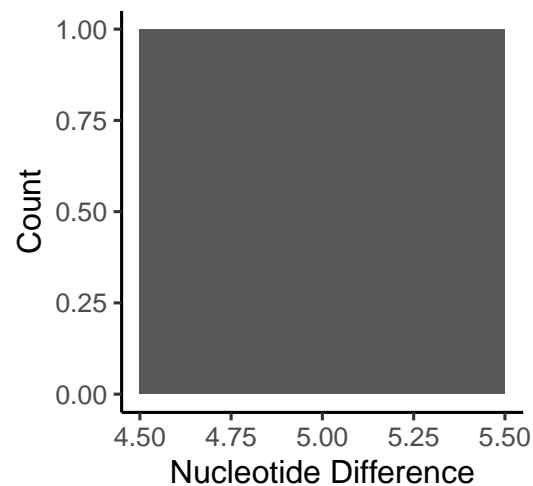
IGHV1-8*03

1 sequences assigned
No exact matches.



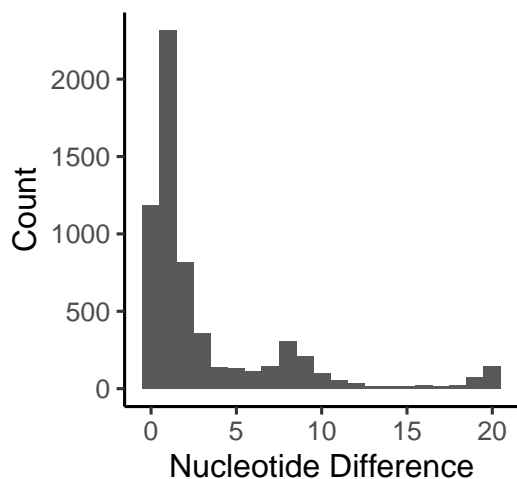
IGHV1-45*02

1 sequences assigned
No exact matches.



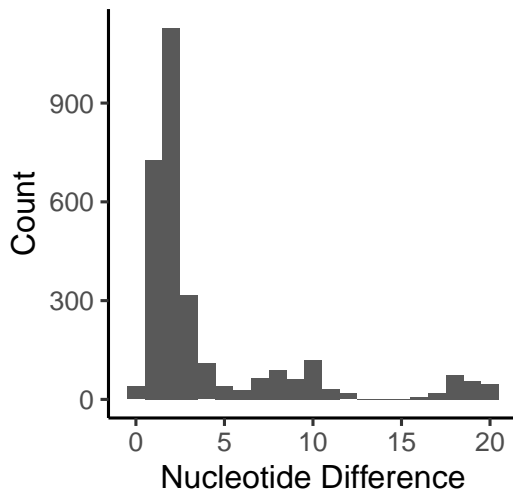
IGHV1-46*01

6607 sequences assigned
1185 (17.9%) exact matches, in which:
815 unique CDR3
6 unique J



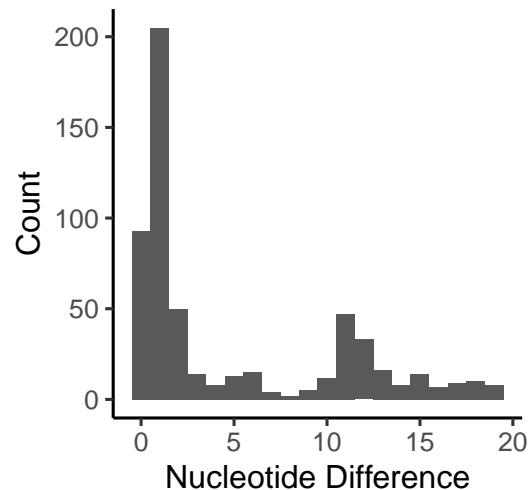
IGHV1-69*04_09

3049 sequences assigned
39 (1.3%) exact matches, in which:
37 unique CDR3
6 unique J



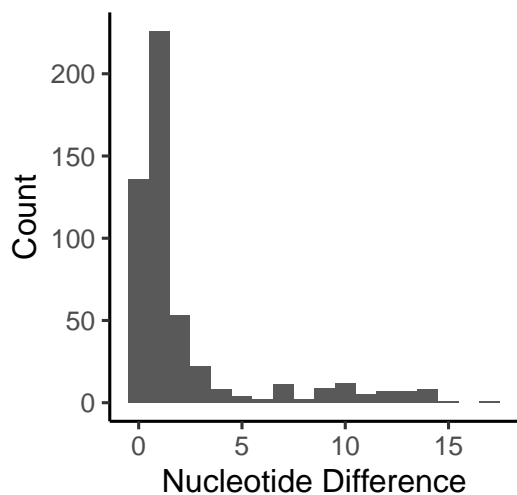
IGHV2-70*01

582 sequences assigned
93 (16%) exact matches, in which:
47 unique CDR3
4 unique J



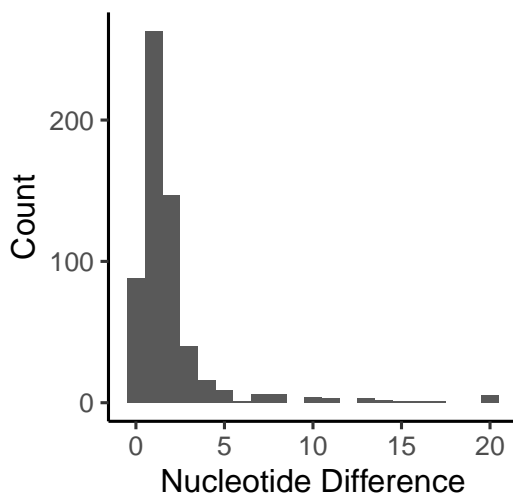
IGHV1-58*02

839 sequences assigned
136 (16.2%) exact matches, in which:
95 unique CDR3
6 unique J



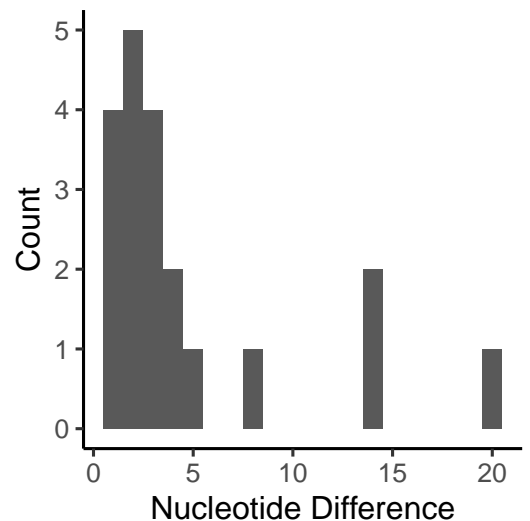
IGHV2-5*02

745 sequences assigned
88 (11.8%) exact matches, in which:
54 unique CDR3
4 unique J



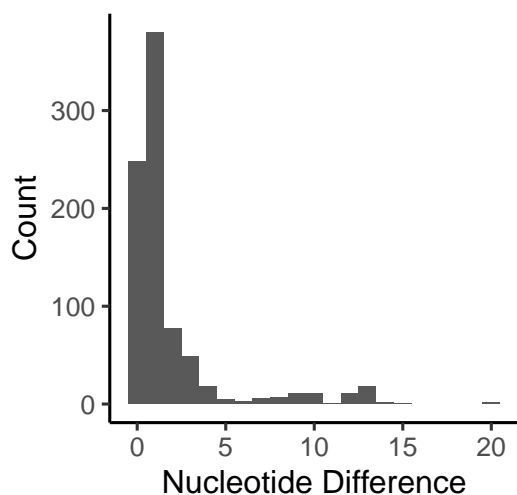
IGHV2-70*12

99 sequences assigned
No exact matches.



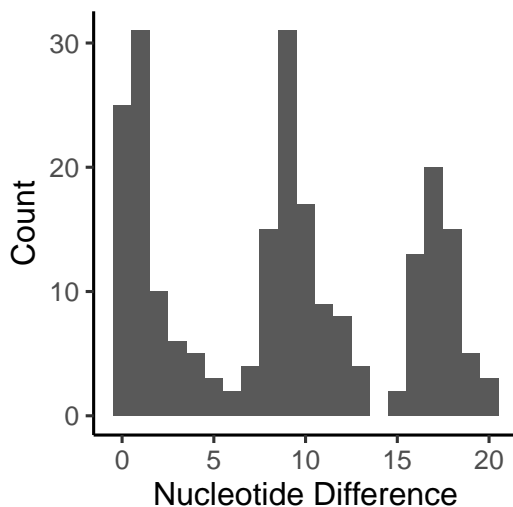
IGHV1-58*01_03

850 sequences assigned
248 (29.2%) exact matches, in which:
183 unique CDR3
6 unique J



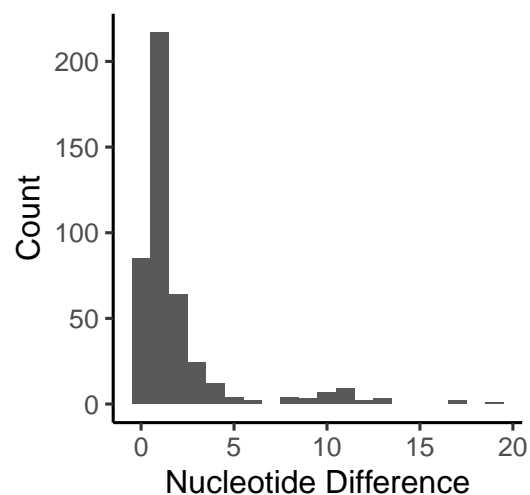
IGHV2-26*01

236 sequences assigned
25 (10.6%) exact matches, in which:
14 unique CDR3
3 unique J



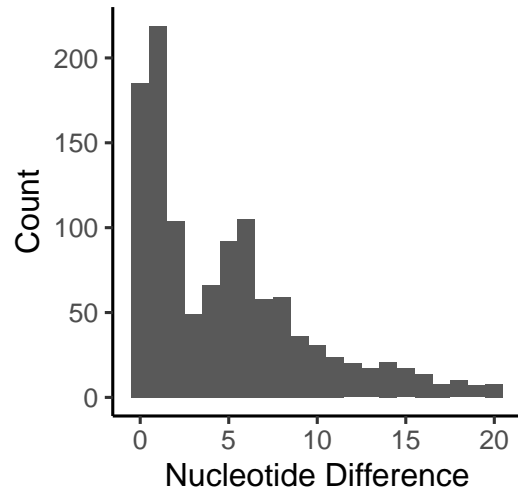
IGHV2-70*11_15

454 sequences assigned
85 (18.7%) exact matches, in which:
49 unique CDR3
6 unique J



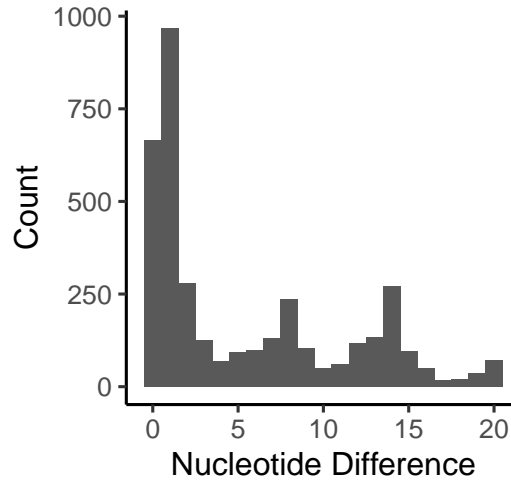
IGHV3-7*01

1181 sequences assigned
185 (15.7%) exact matches, in which:
137 unique CDR3
5 unique J



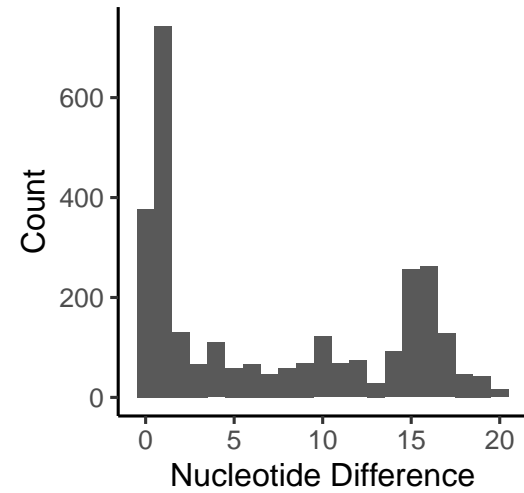
IGHV3-11*06

3883 sequences assigned
665 (17.1%) exact matches, in which:
400 unique CDR3
6 unique J



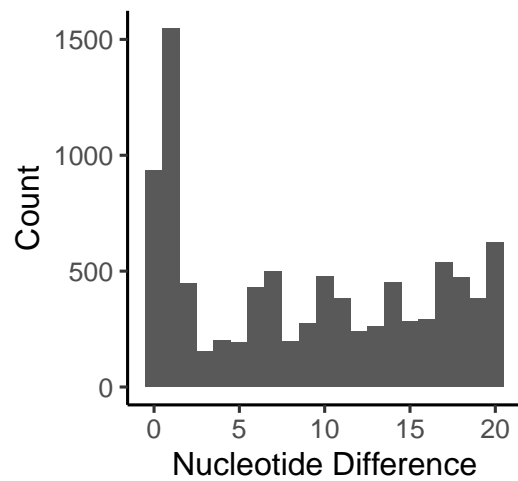
IGHV3-15*01_02

3070 sequences assigned
377 (12.3%) exact matches, in which:
202 unique CDR3
6 unique J



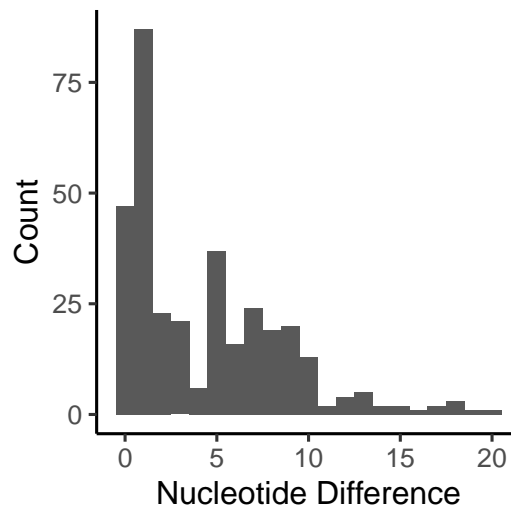
IGHV3-7*03

11228 sequences assigned
934 (8.3%) exact matches, in which:
587 unique CDR3
6 unique J



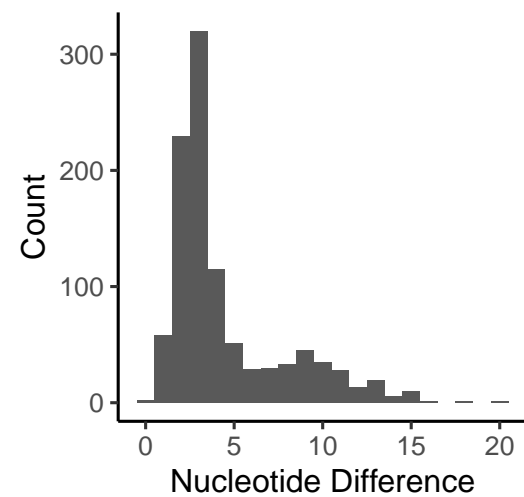
IGHV3-11*03_05

410 sequences assigned
47 (11.5%) exact matches, in which:
38 unique CDR3
6 unique J



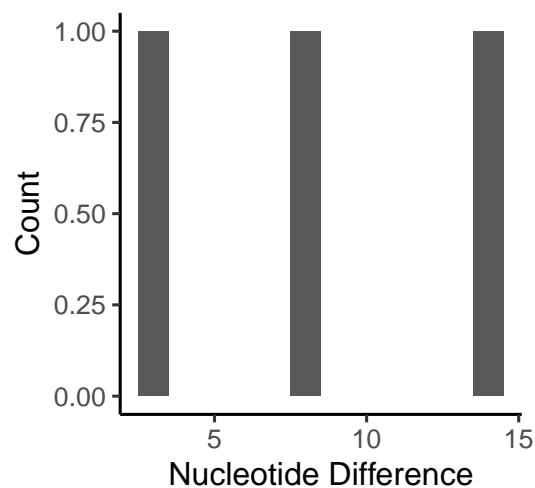
IGHV3-20*03_04

1182 sequences assigned
2 (0.2%) exact matches, in which:
2 unique CDR3
2 unique J



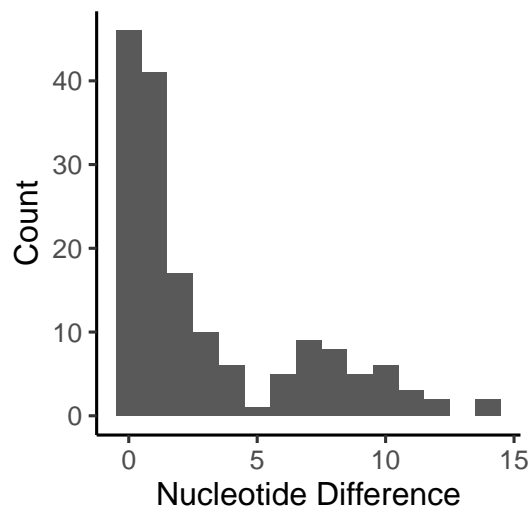
IGHV3-9*01

5 sequences assigned
No exact matches.



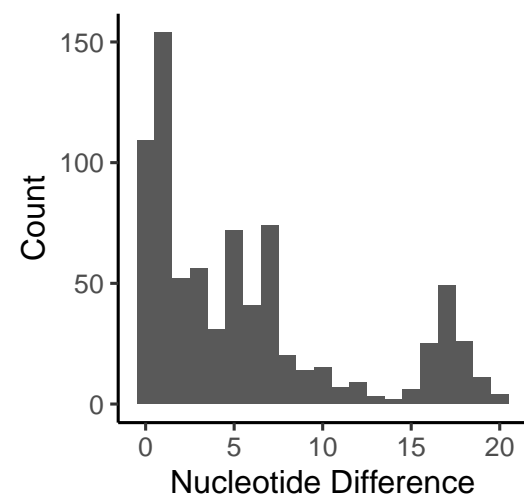
IGHV3-13*05

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



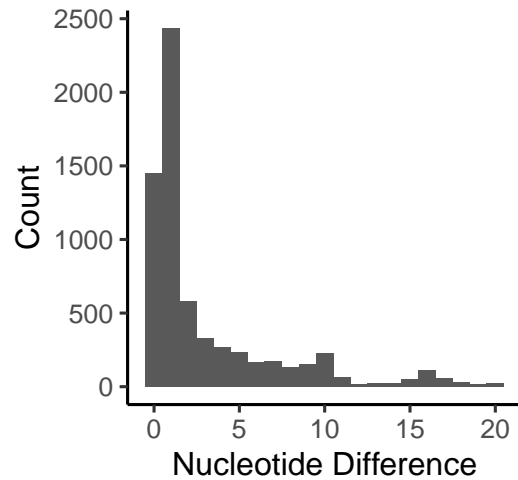
IGHV3-21*04

806 sequences assigned
109 (13.5%) exact matches, in which:
82 unique CDR3
6 unique J



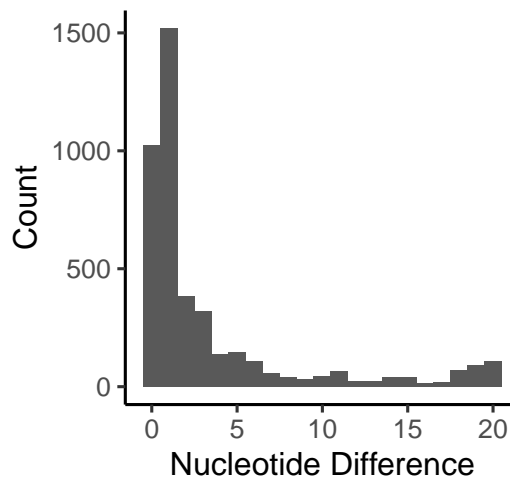
IGHV3-21*01_02

7785 sequences assigned
1454 (18.7%) exact matches, in which:
842 unique CDR3
6 unique J



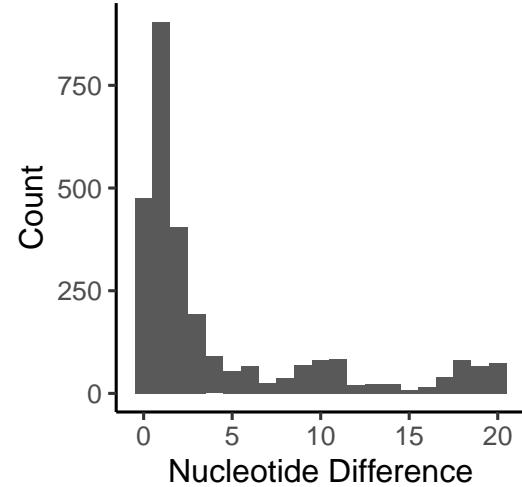
IGHV3-30*04_C203T

5081 sequences assigned
1025 (20.2%) exact matches, in which:
638 unique CDR3
6 unique J



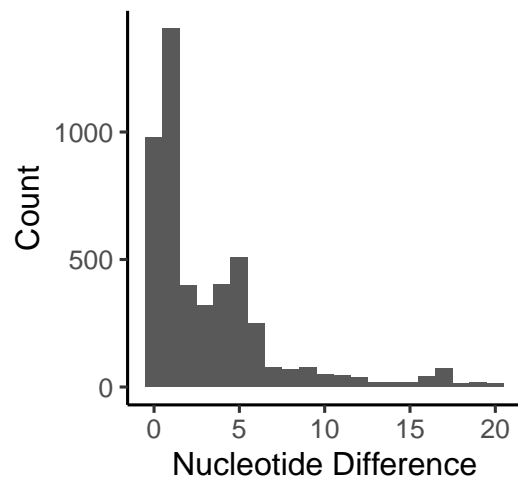
IGHV3-33*06

2959 sequences assigned
476 (16.1%) exact matches, in which:
283 unique CDR3
6 unique J



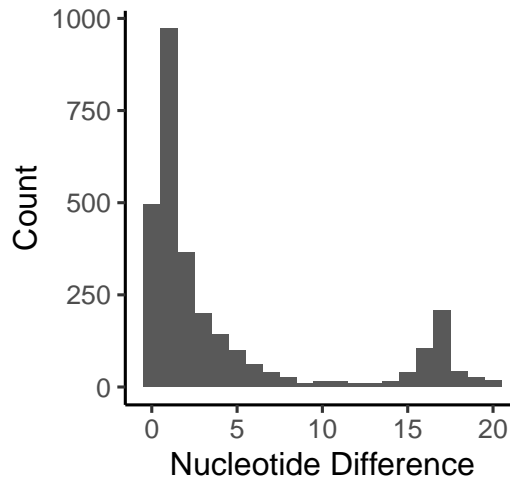
IGHV3-30-3*01

5164 sequences assigned
977 (18.9%) exact matches, in which:
627 unique CDR3
6 unique J



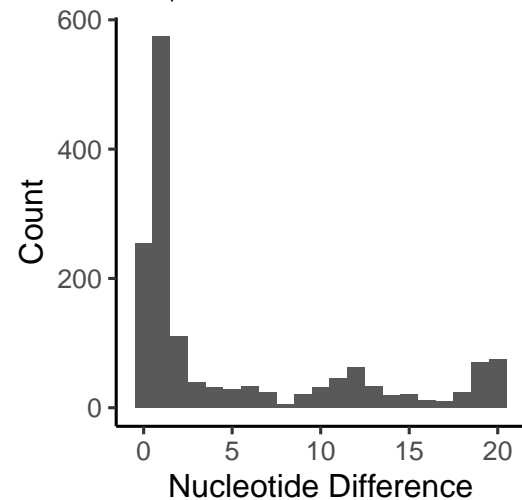
IGHV3-33*01

3240 sequences assigned
494 (15.2%) exact matches, in which:
321 unique CDR3
6 unique J



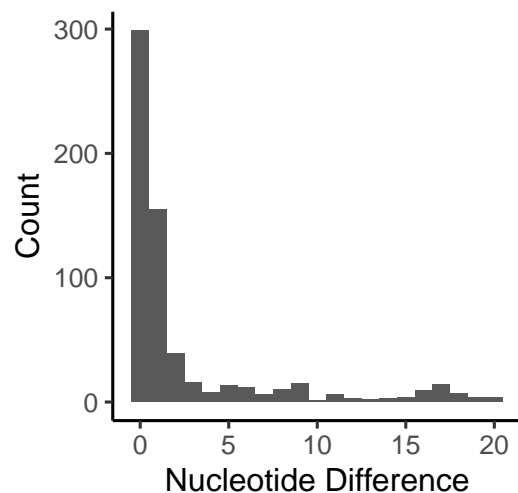
IGHV3-43*01

1627 sequences assigned
255 (15.7%) exact matches, in which:
128 unique CDR3
5 unique J



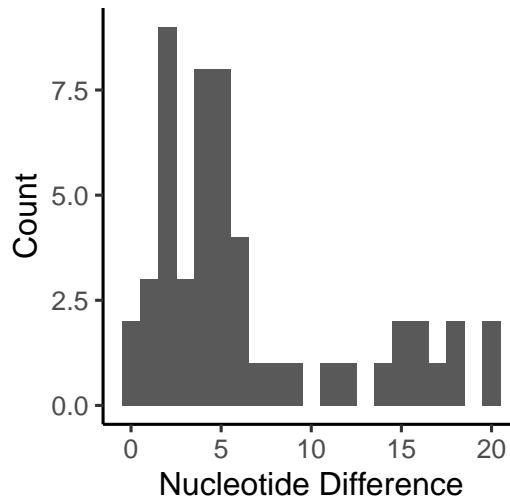
IGHV3-30*03

695 sequences assigned
299 (43%) exact matches, in which:
225 unique CDR3
6 unique J



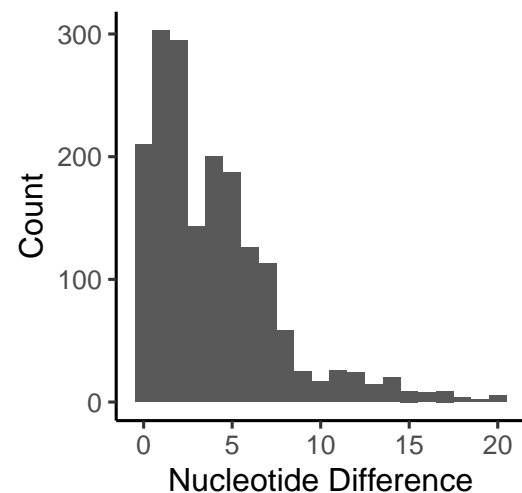
IGHV3-33*05

62 sequences assigned
2 (3.2%) exact matches, in which:
2 unique CDR3
2 unique J



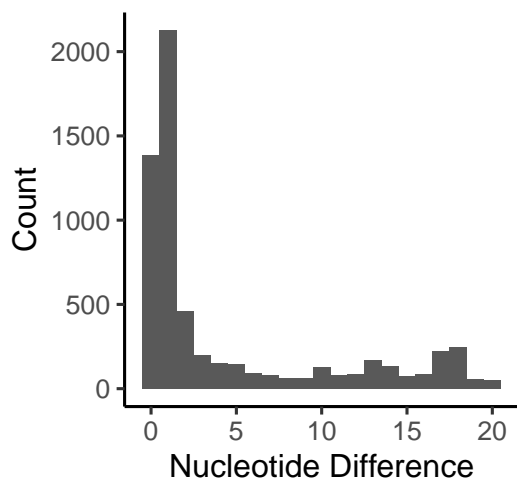
IGHV3-48*01

1819 sequences assigned
210 (11.5%) exact matches, in which:
146 unique CDR3
5 unique J



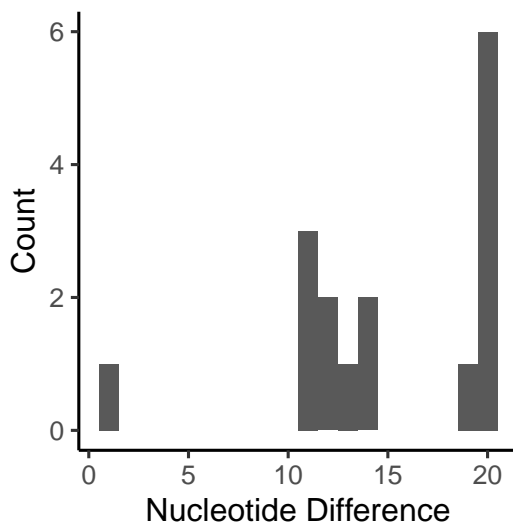
IGHV3-48*02

7280 sequences assigned
1387 (19.1%) exact matches, in which:
759 unique CDR3
6 unique J



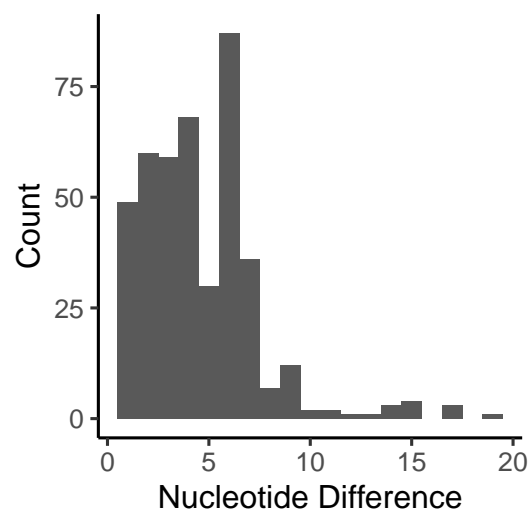
IGHV3-53*05

23 sequences assigned
No exact matches.



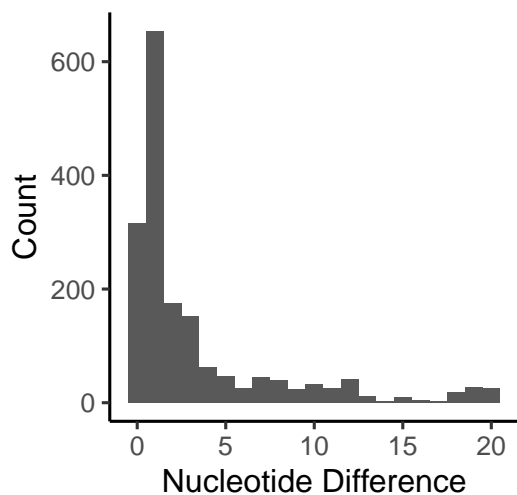
IGHV3-64*04

429 sequences assigned
No exact matches.



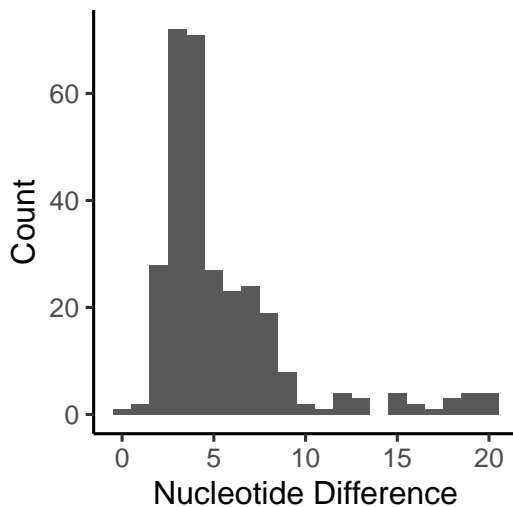
IGHV3-49*04

1815 sequences assigned
315 (17.4%) exact matches, in which:
168 unique CDR3
5 unique J



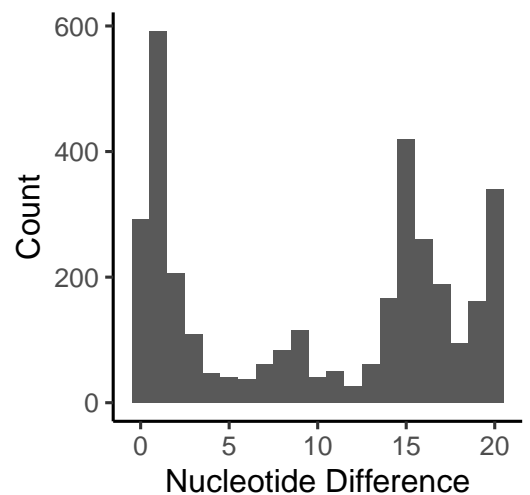
IGHV3-53*01_02

421 sequences assigned
1 (0.2%) exact matches, in which:
1 unique CDR3
0 unique J



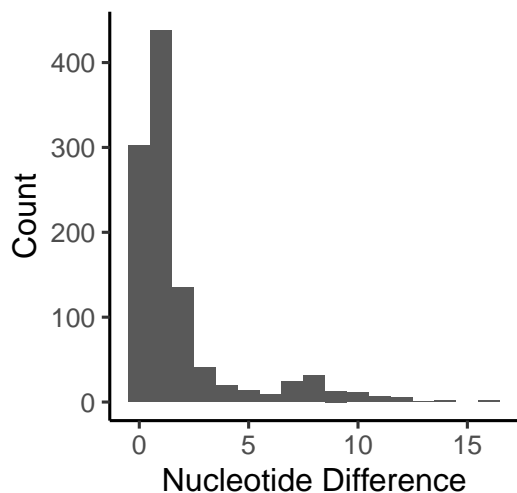
IGHV3-66*01

4516 sequences assigned
292 (6.5%) exact matches, in which:
196 unique CDR3
5 unique J



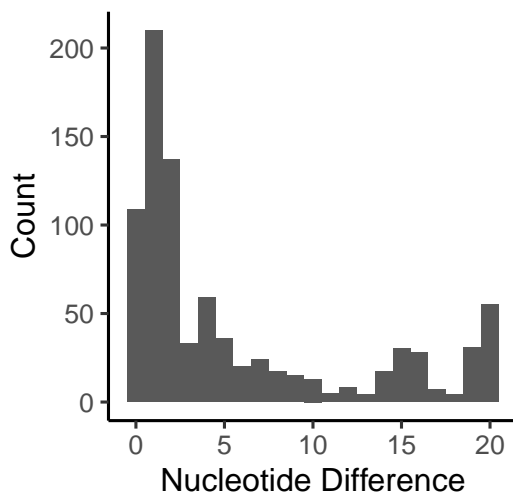
IGHV3-53*04

1064 sequences assigned
302 (28.4%) exact matches, in which:
217 unique CDR3
5 unique J



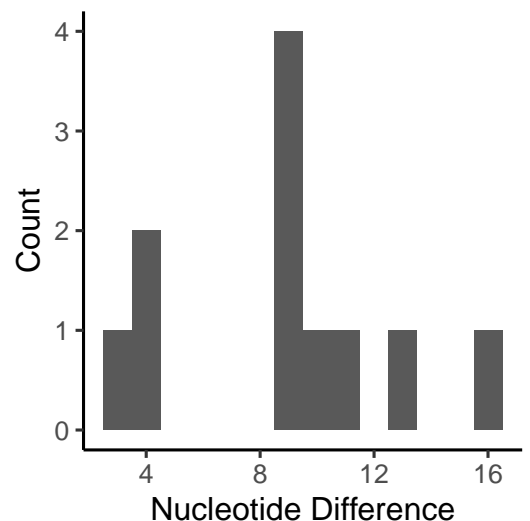
IGHV3-64*01

930 sequences assigned
109 (11.7%) exact matches, in which:
66 unique CDR3
6 unique J



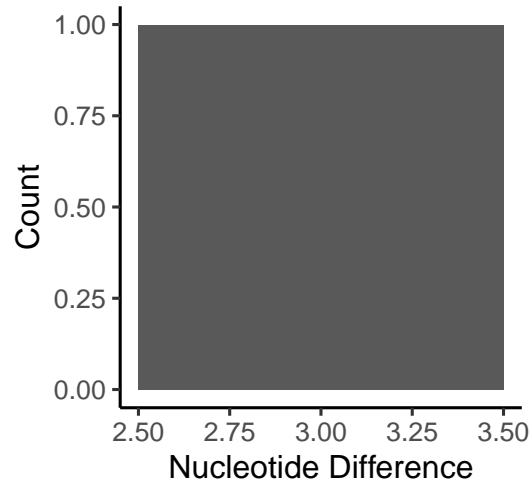
IGHV3-69-1*01

46 sequences assigned
No exact matches.



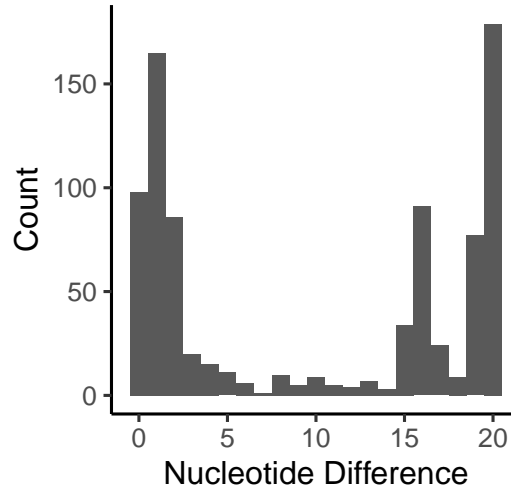
IGHV3-71*03

1 sequences assigned
No exact matches.



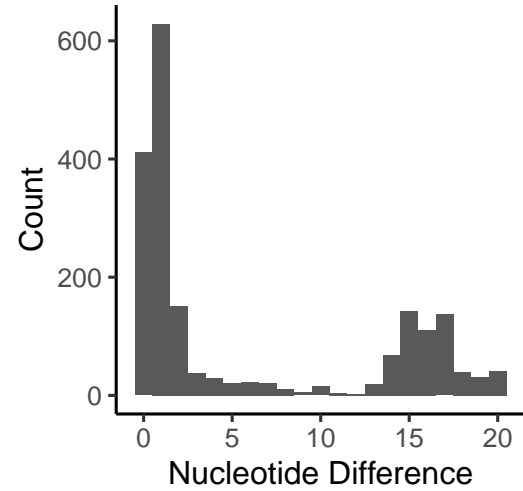
IGHV3-73*01_02

1176 sequences assigned
98 (8.3%) exact matches, in which:
62 unique CDR3
5 unique J



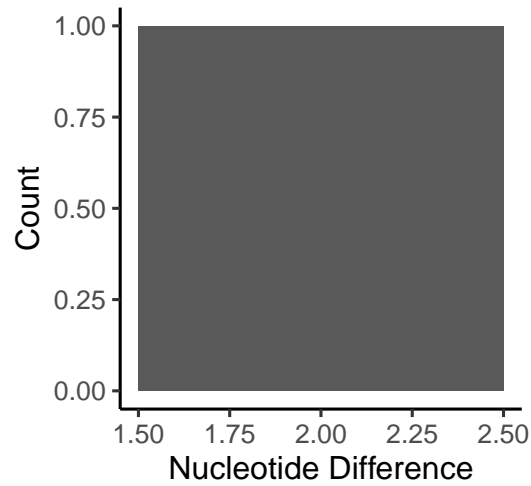
IGHV3-64D*06

2043 sequences assigned
411 (20.1%) exact matches, in which:
238 unique CDR3
6 unique J



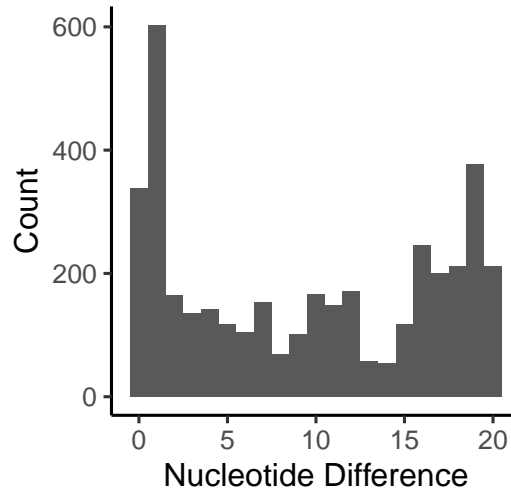
IGHV3-71*01_04

1 sequences assigned
No exact matches.



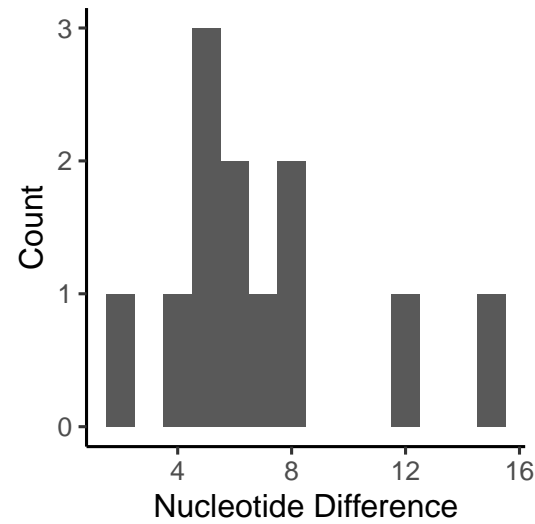
IGHV3-74*01_02

4636 sequences assigned
338 (7.3%) exact matches, in which:
226 unique CDR3
5 unique J



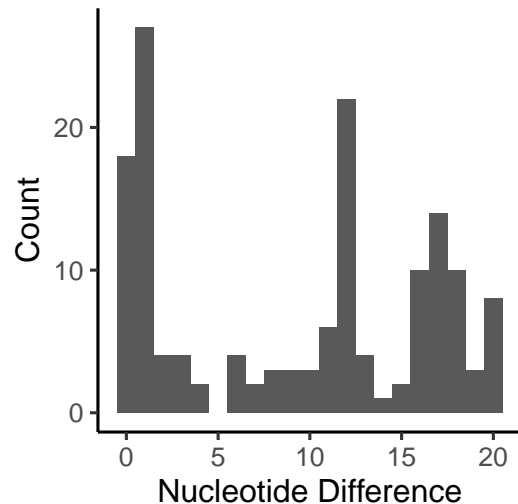
IGHV3-NL1*01

12 sequences assigned
No exact matches.



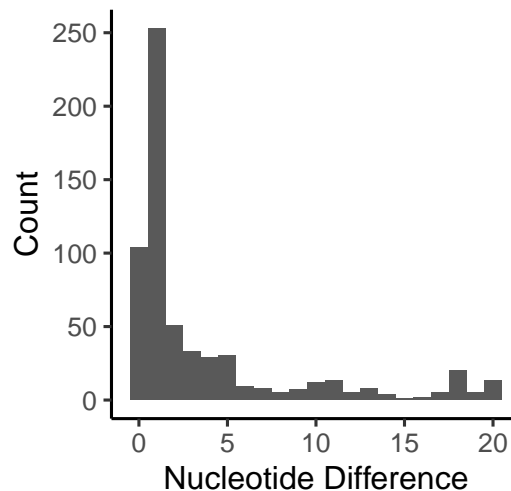
IGHV3-72*01

465 sequences assigned
18 (3.9%) exact matches, in which:
9 unique CDR3
3 unique J



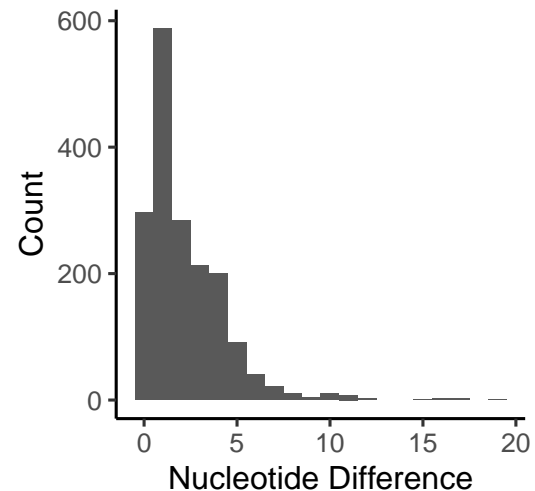
IGHV3-43D*03

805 sequences assigned
104 (12.9%) exact matches, in which:
54 unique CDR3
4 unique J



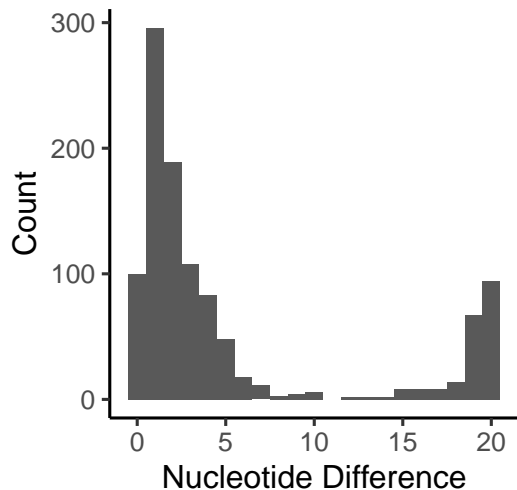
IGHV4-30-4*01

1780 sequences assigned
297 (16.7%) exact matches, in which:
224 unique CDR3
6 unique J



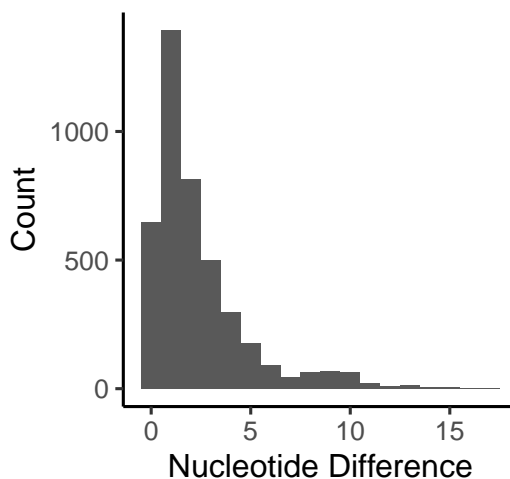
IGHV4-30-2*01

1367 sequences assigned
100 (7.3%) exact matches, in which:
68 unique CDR3
6 unique J



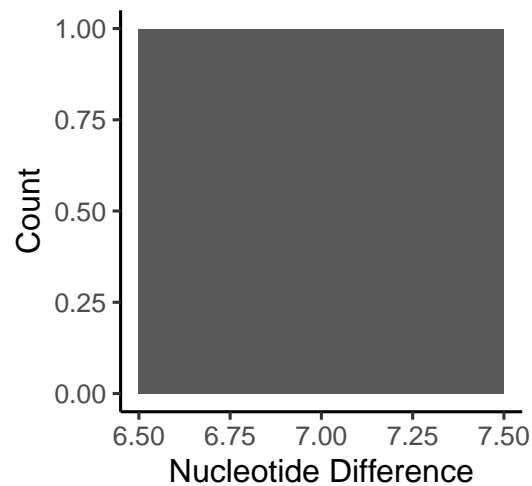
IGHV4-38-2*02

4951 sequences assigned
646 (13%) exact matches, in which:
445 unique CDR3
6 unique J



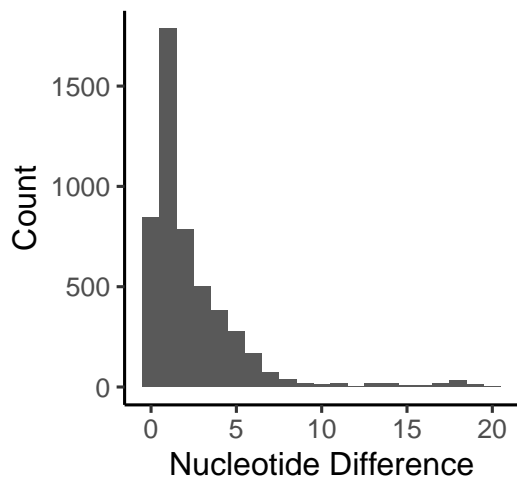
IGHV4-55*09

1 sequences assigned
No exact matches.



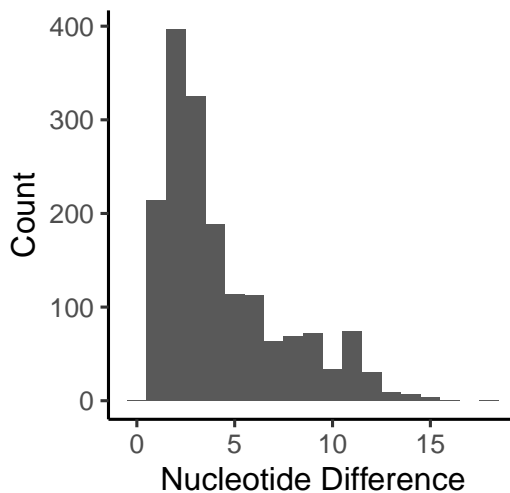
IGHV4-31*03_04

5825 sequences assigned
846 (14.5%) exact matches, in which:
595 unique CDR3
6 unique J



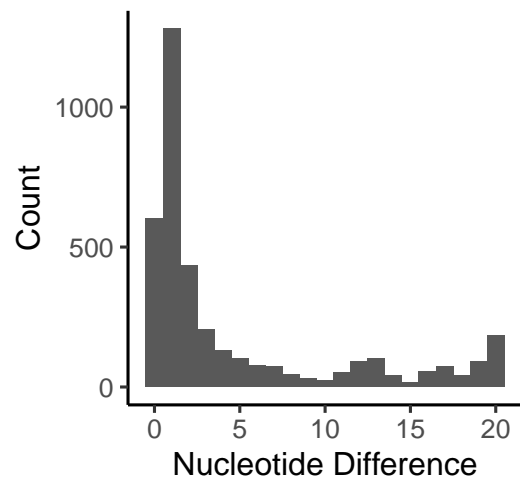
IGHV4-39*07

1731 sequences assigned
1 (0.1%) exact matches, in which:
1 unique CDR3
1 unique J



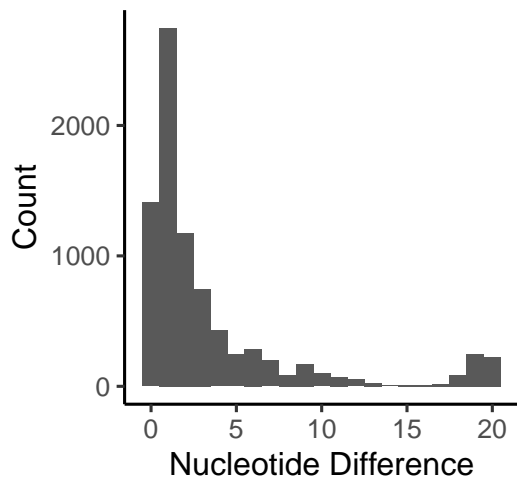
IGHV4-59*08

4023 sequences assigned
601 (14.9%) exact matches, in which:
417 unique CDR3
6 unique J



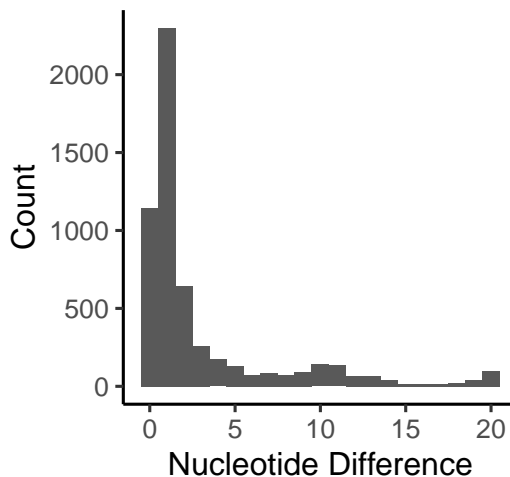
IGHV4-34*01_02

10164 sequences assigned
1409 (13.9%) exact matches, in which:
947 unique CDR3
6 unique J



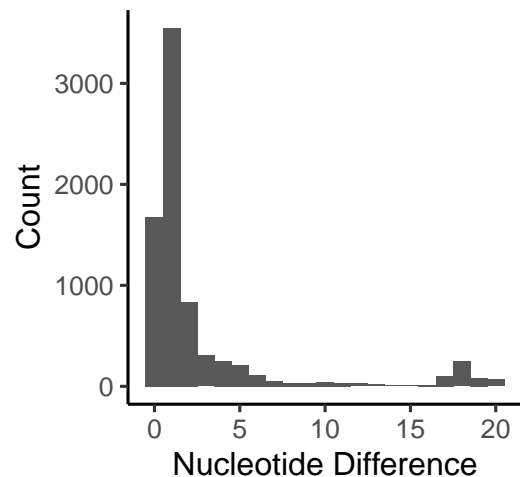
IGHV4-39*01_05

8368 sequences assigned
1144 (13.7%) exact matches, in which:
734 unique CDR3
6 unique J



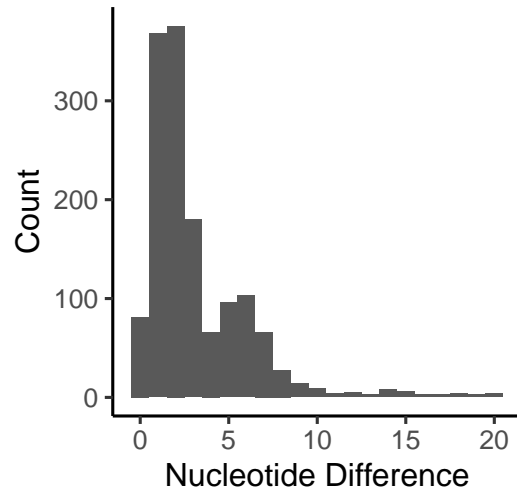
IGHV4-59*01_07

8134 sequences assigned
1678 (20.6%) exact matches, in which:
1092 unique CDR3
6 unique J



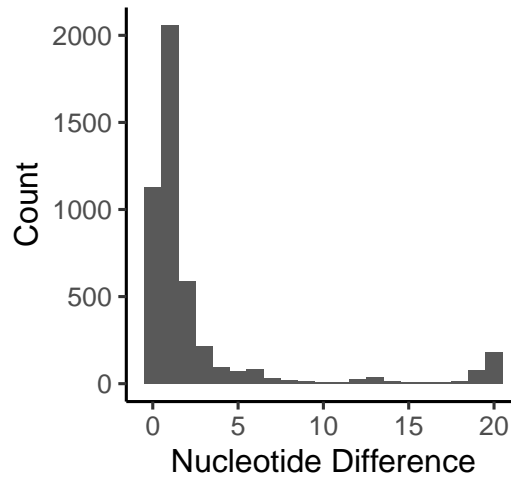
IGHV4-59*12

1773 sequences assigned
81 (4.6%) exact matches, in which:
78 unique CDR3
5 unique J



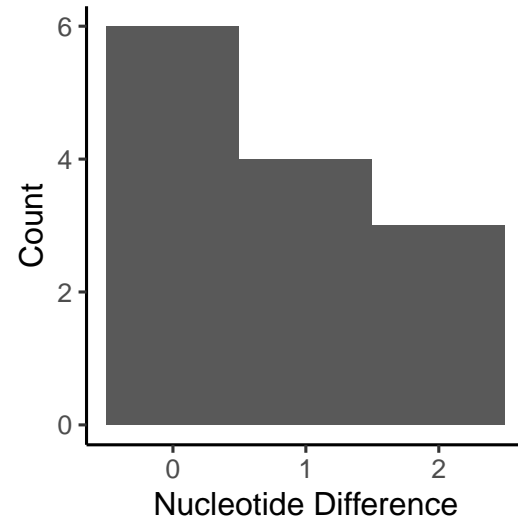
IGHV5-10-1*01_03

5214 sequences assigned
1129 (21.7%) exact matches, in which:
632 unique CDR3
6 unique J



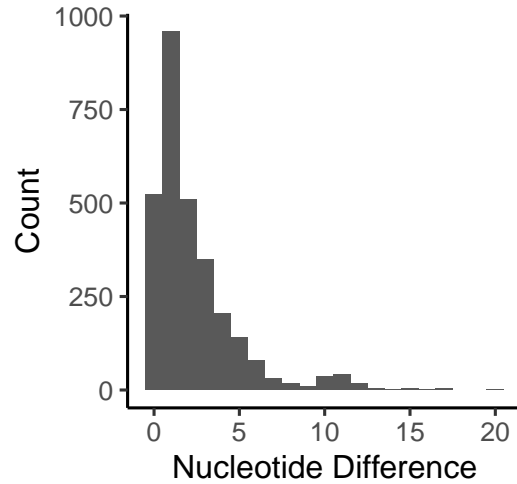
IGHV7-4-1*01

13 sequences assigned
6 (46.2%) exact matches, in which:
5 unique CDR3
2 unique J



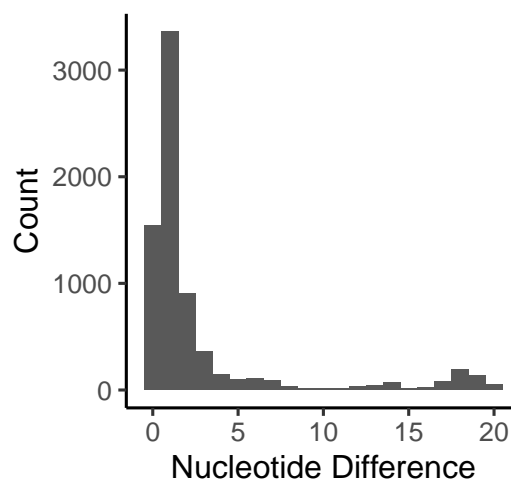
IGHV4-61*01

2999 sequences assigned
523 (17.4%) exact matches, in which:
393 unique CDR3
6 unique J



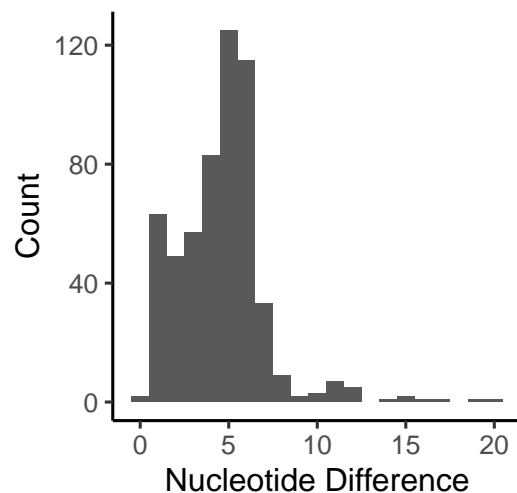
IGHV5-51*01_03

8390 sequences assigned
1546 (18.4%) exact matches, in which:
776 unique CDR3
5 unique J



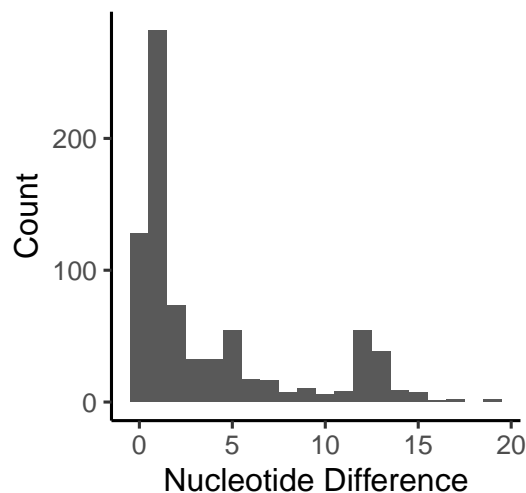
IGHV4-61*08

562 sequences assigned
2 (0.4%) exact matches, in which:
2 unique CDR3
2 unique J



IGHV6-1*01_02

785 sequences assigned
128 (16.3%) exact matches, in which:
86 unique CDR3
5 unique J





Novel sequence(s)IGHV1–69*01_12_13_G238AIGHV3–48*03_T303G 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)IGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV4–59*02_G88A are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV3–30–3*01_T288CIGHV4–59*02_G88AIGHV5–51*07_A128G are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV3–30*03_T288C 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.

Warning – no inferred sequences found.