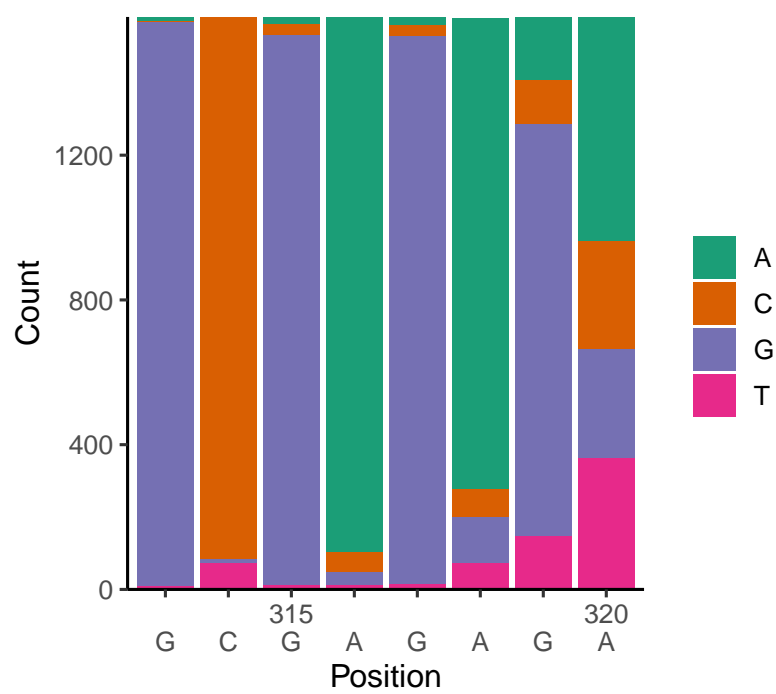


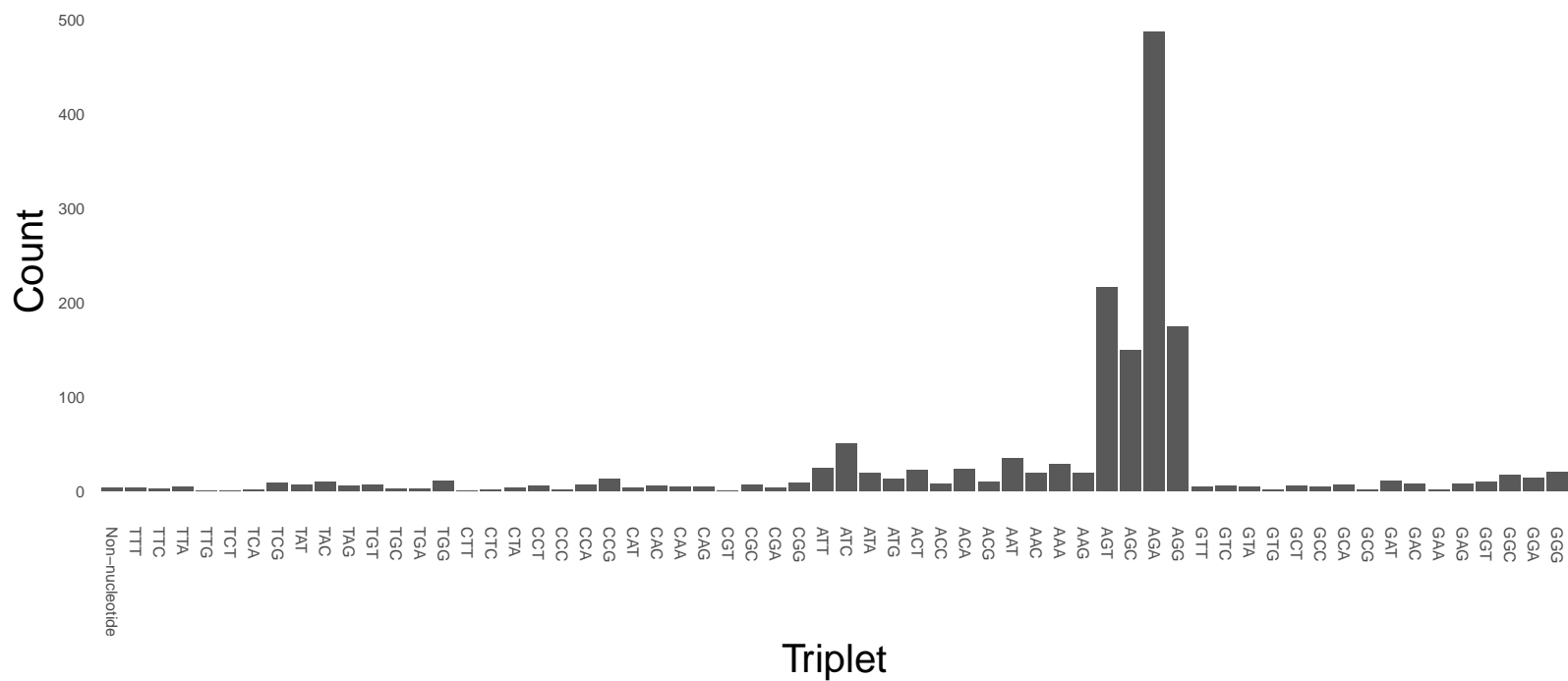
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

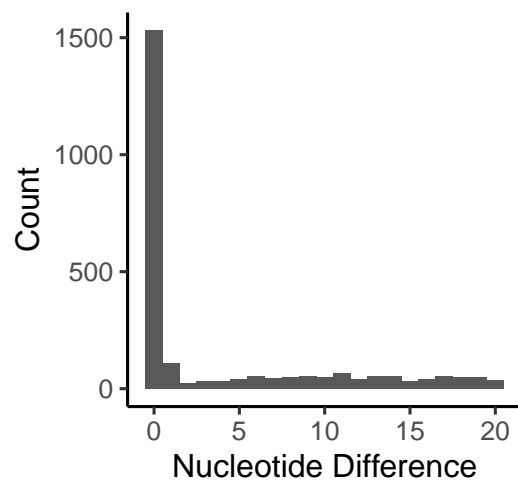


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



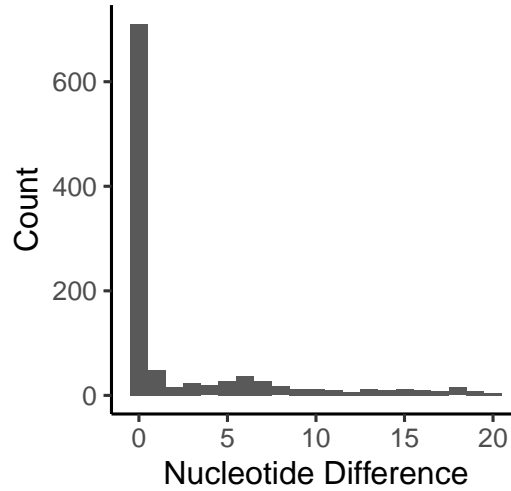
IGHV1-2*02

2738 sequences assigned
1531 (55.9%) exact matches, in which:
1522 unique CDR3
6 unique J



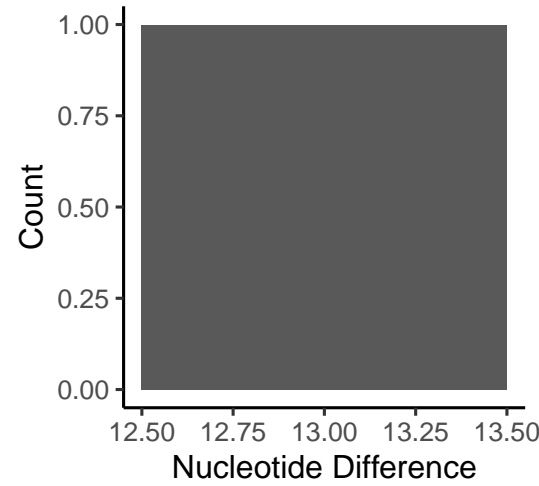
IGHV1-8*01

1161 sequences assigned
711 (61.2%) exact matches, in which:
711 unique CDR3
6 unique J



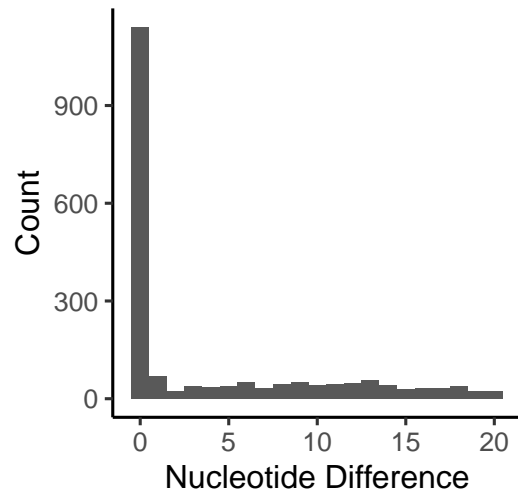
IGHV1-45*02

3 sequences assigned
No exact matches.



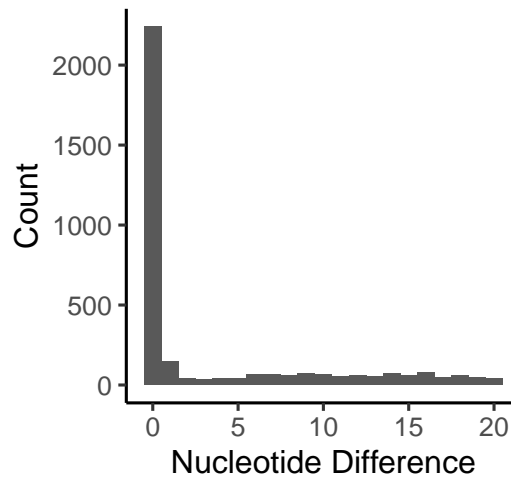
IGHV1-2*06

2176 sequences assigned
1141 (52.4%) exact matches, in which:
1139 unique CDR3
6 unique J



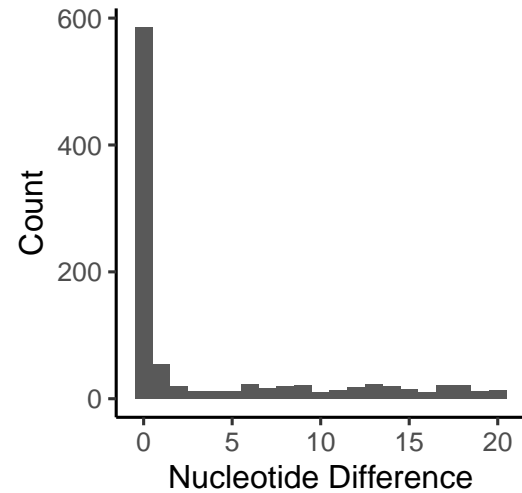
IGHV1-18*01

3815 sequences assigned
2240 (58.7%) exact matches, in which:
2231 unique CDR3
6 unique J



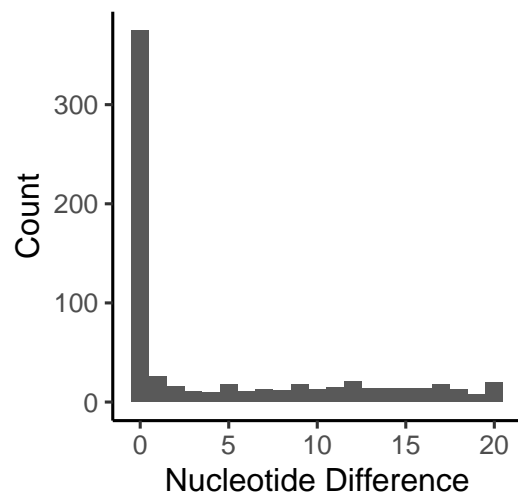
IGHV1-46*01

1062 sequences assigned
586 (55.2%) exact matches, in which:
585 unique CDR3
6 unique J



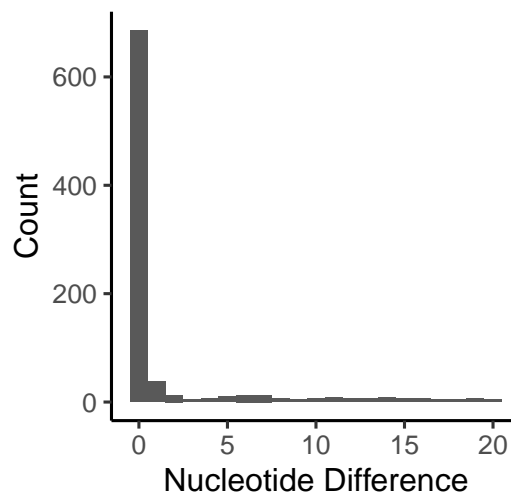
IGHV1-3*01_05

739 sequences assigned
375 (50.7%) exact matches, in which:
373 unique CDR3
6 unique J



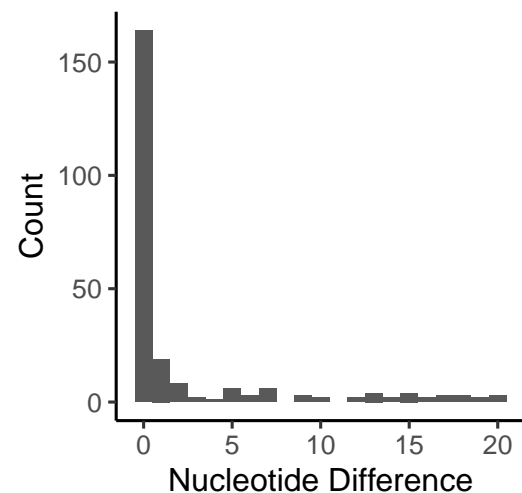
IGHV1-24*01

923 sequences assigned
686 (74.3%) exact matches, in which:
686 unique CDR3
6 unique J



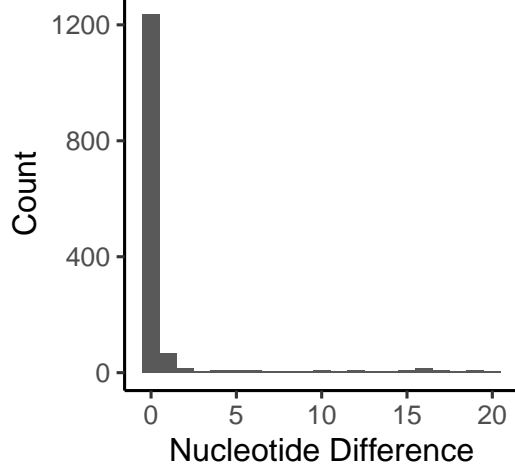
IGHV1-58*01_03

259 sequences assigned
164 (63.3%) exact matches, in which:
163 unique CDR3
6 unique J



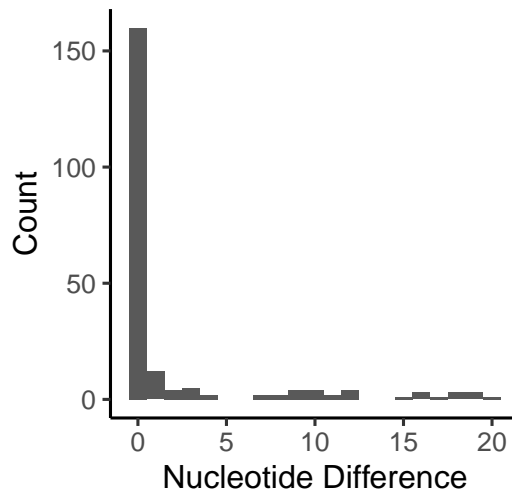
IGHV1-69*06_14

1572 sequences assigned
1236 (78.6%) exact matches, in which:
1232 unique CDR3
6 unique J



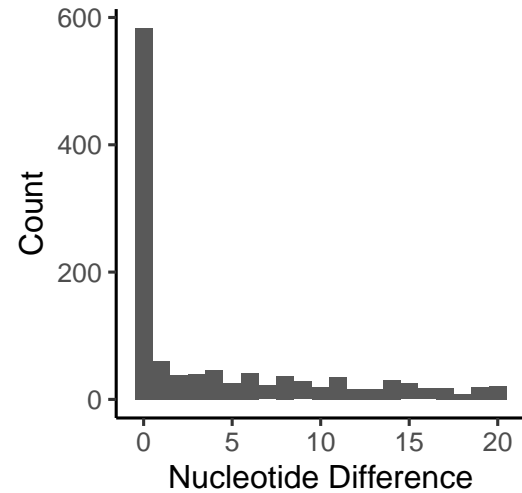
IGHV2-26*01

239 sequences assigned
160 (66.9%) exact matches, in which:
160 unique CDR3
5 unique J



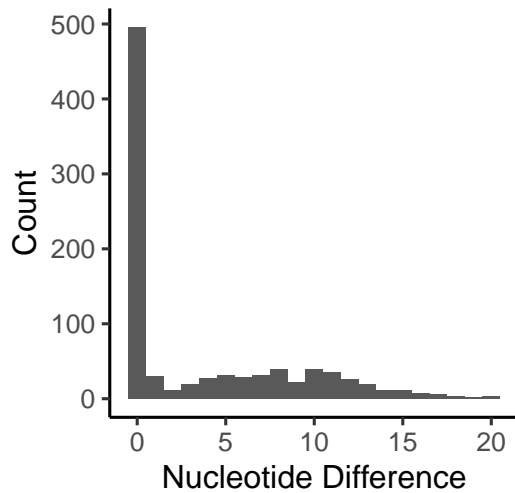
IGHV3-9*01

1251 sequences assigned
584 (46.7%) exact matches, in which:
569 unique CDR3
6 unique J



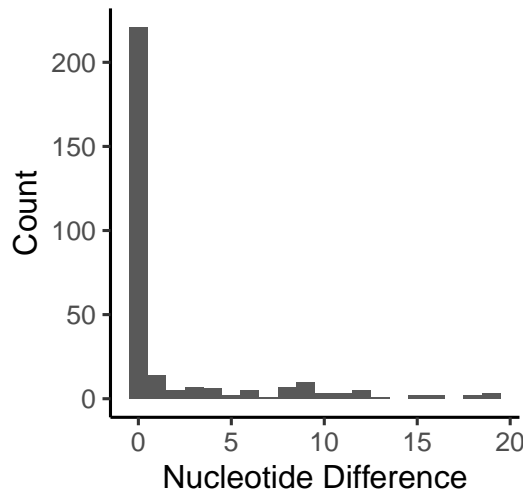
IGHV2-5*01

935 sequences assigned
496 (53%) exact matches, in which:
493 unique CDR3
6 unique J



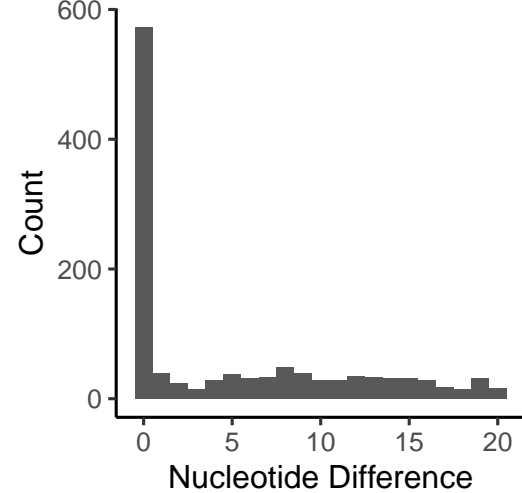
IGHV2-70*01

312 sequences assigned
221 (70.8%) exact matches, in which:
220 unique CDR3
5 unique J



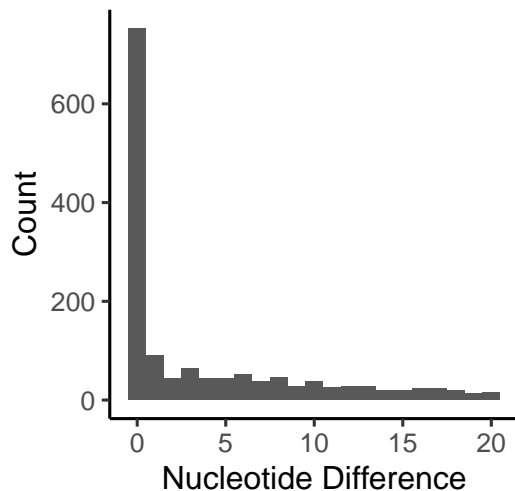
IGHV3-11*01

1363 sequences assigned
573 (42%) exact matches, in which:
557 unique CDR3
6 unique J



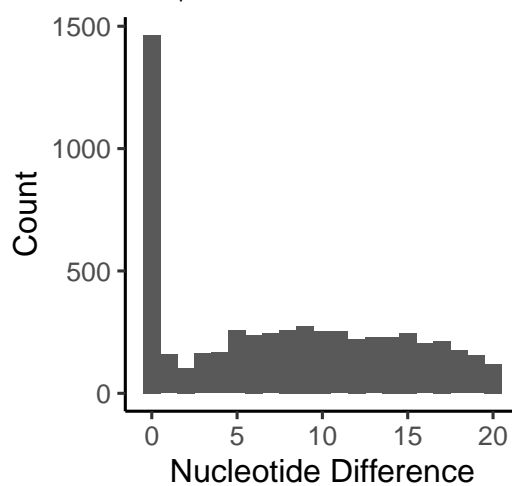
IGHV2-5*02

1579 sequences assigned
753 (47.7%) exact matches, in which:
749 unique CDR3
6 unique J



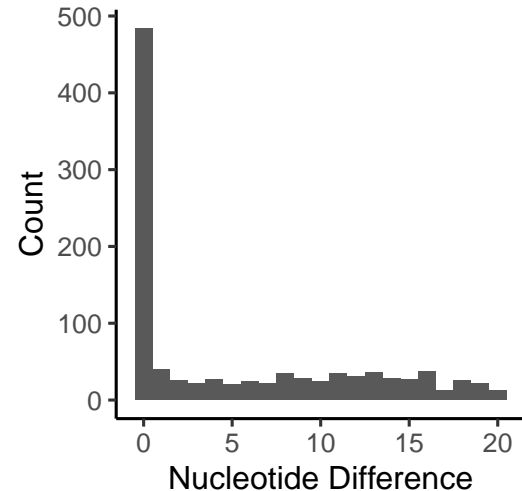
IGHV3-7*01

6271 sequences assigned
1464 (23.3%) exact matches, in which:
1412 unique CDR3
6 unique J



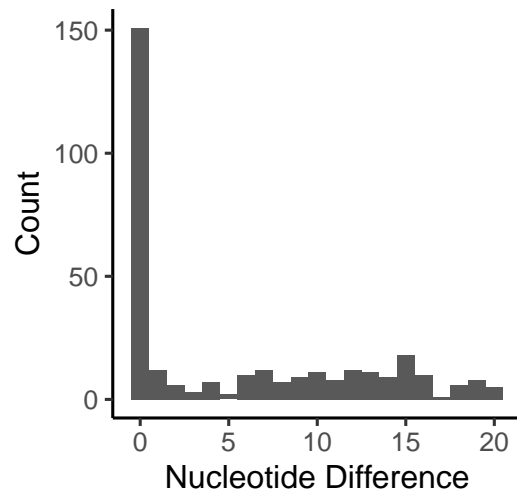
IGHV3-11*03_05

1185 sequences assigned
484 (40.8%) exact matches, in which:
469 unique CDR3
6 unique J



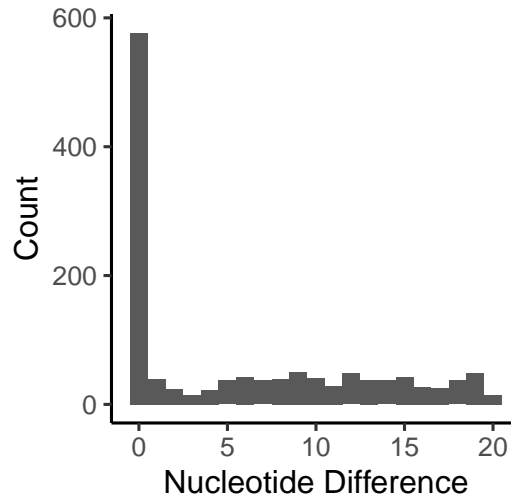
IGHV3-13*01

378 sequences assigned
151 (39.9%) exact matches, in which:
144 unique CDR3
5 unique J



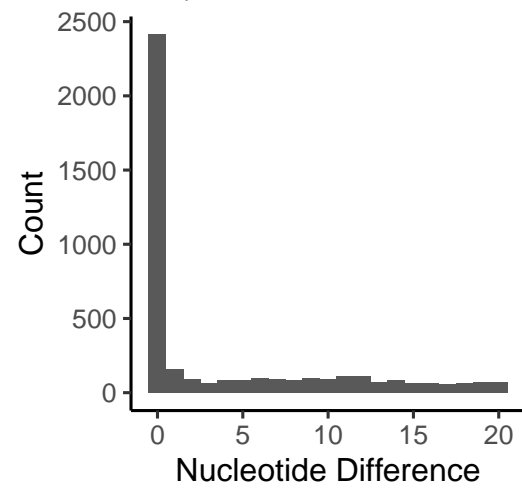
IGHV3-15*01_02

1390 sequences assigned
577 (41.5%) exact matches, in which:
560 unique CDR3
6 unique J



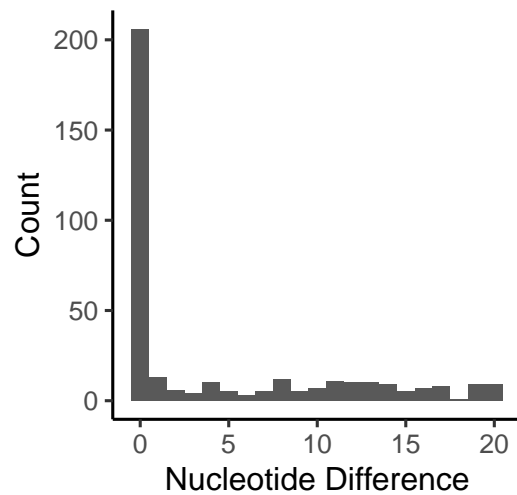
IGHV3-21*01_02

4569 sequences assigned
2414 (52.8%) exact matches, in which:
2292 unique CDR3
6 unique J



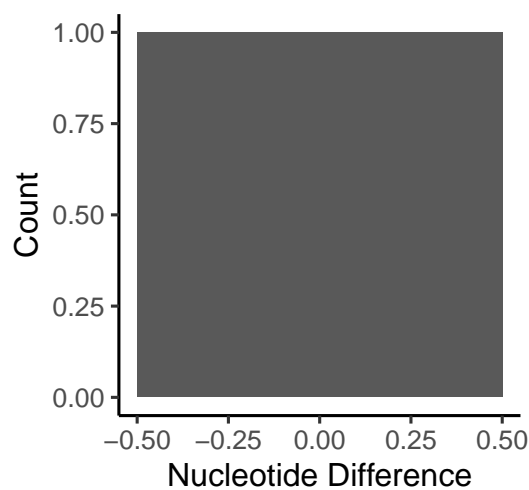
IGHV3-13*04

379 sequences assigned
206 (54.4%) exact matches, in which:
200 unique CDR3
5 unique J



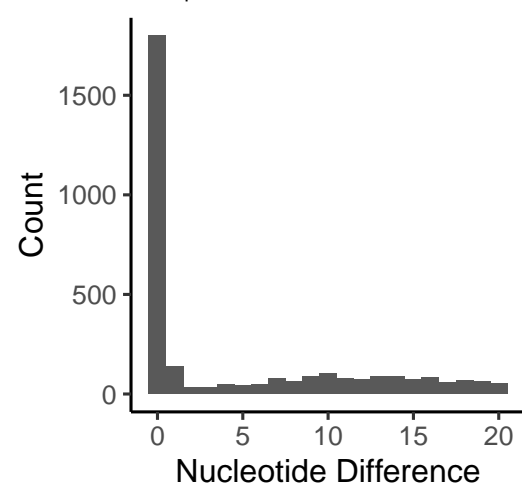
IGHV3-19*01

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



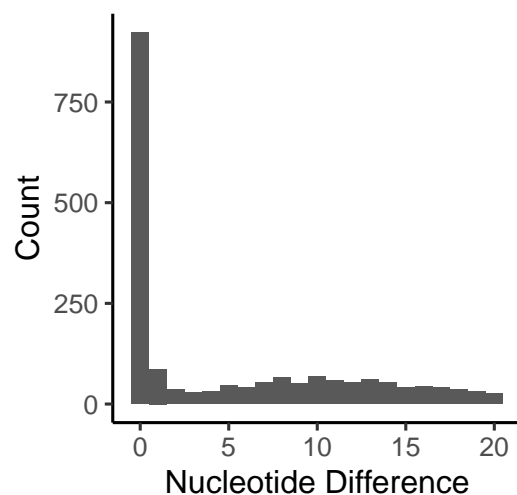
IGHV3-30-3*01

3661 sequences assigned
1799 (49.1%) exact matches, in which:
1757 unique CDR3
6 unique J



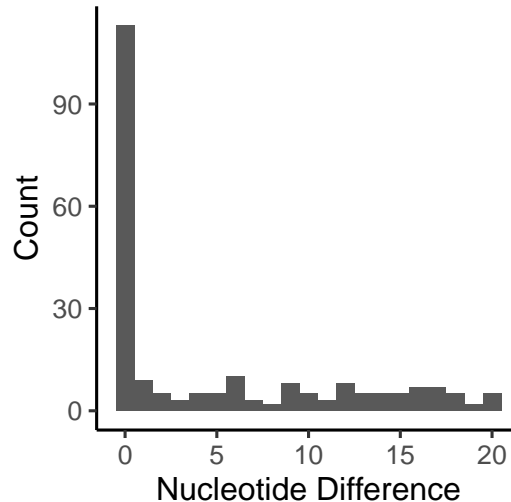
IGHV3-15*07

2059 sequences assigned
923 (44.8%) exact matches, in which:
886 unique CDR3
6 unique J



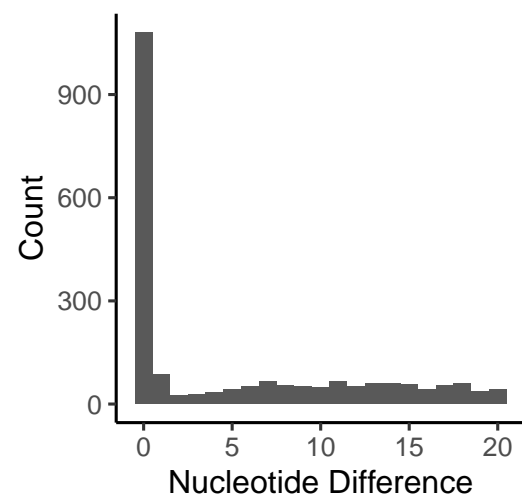
IGHV3-20*01_02

248 sequences assigned
113 (45.6%) exact matches, in which:
106 unique CDR3
5 unique J



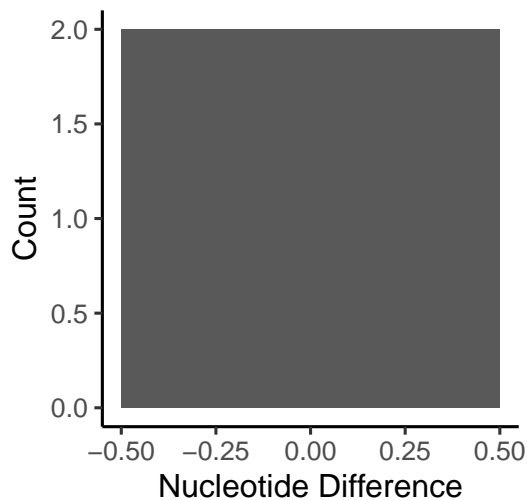
IGHV3-33*01

2413 sequences assigned
1081 (44.8%) exact matches, in which:
1051 unique CDR3
6 unique J



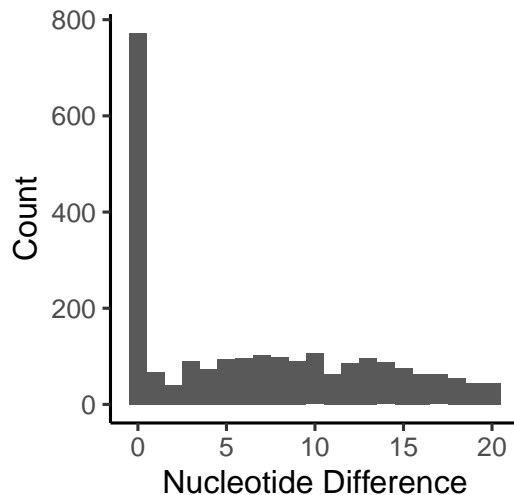
IGHV3-35*01

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



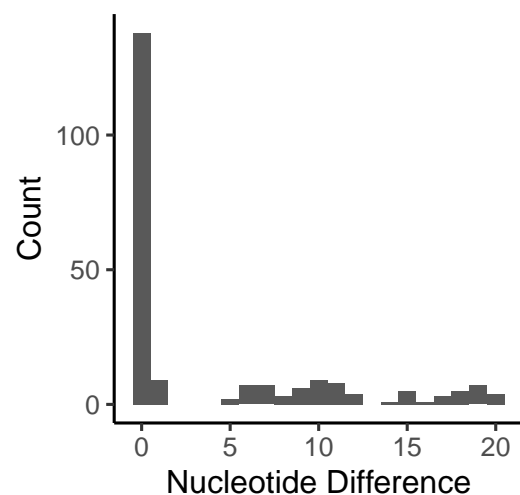
IGHV3-48*02

2727 sequences assigned
773 (28.3%) exact matches, in which:
732 unique CDR3
6 unique J



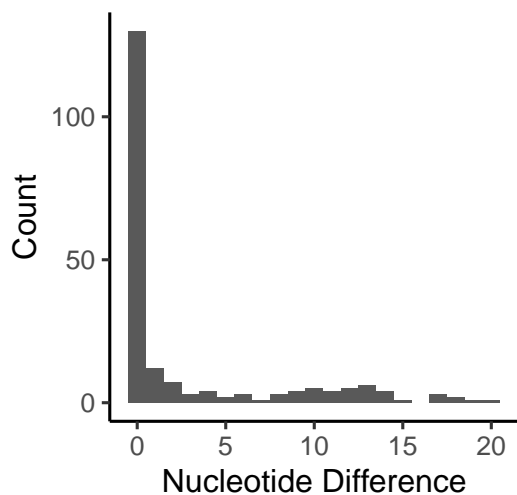
IGHV3-49*03_05

234 sequences assigned
138 (59%) exact matches, in which:
136 unique CDR3
5 unique J



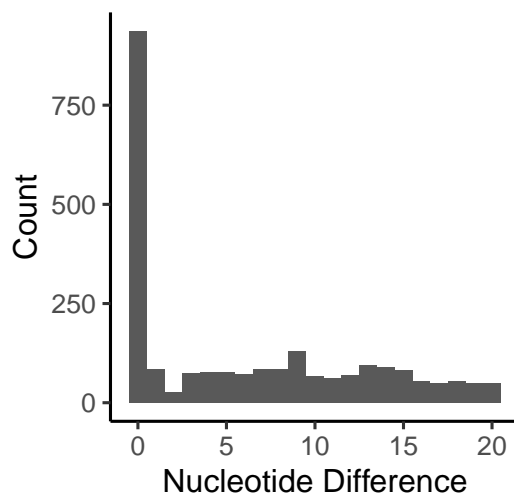
IGHV3-43*01

229 sequences assigned
130 (56.8%) exact matches, in which:
126 unique CDR3
6 unique J



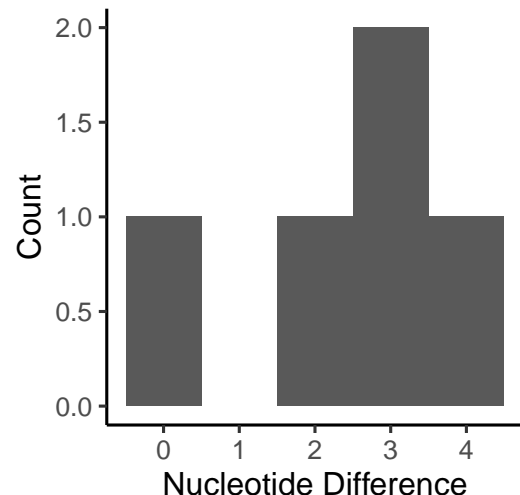
IGHV3-48*03

2681 sequences assigned
937 (34.9%) exact matches, in which:
898 unique CDR3
6 unique J



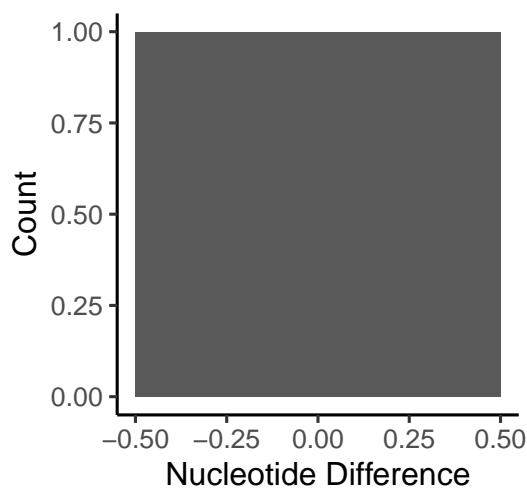
IGHV3-52*01_03

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



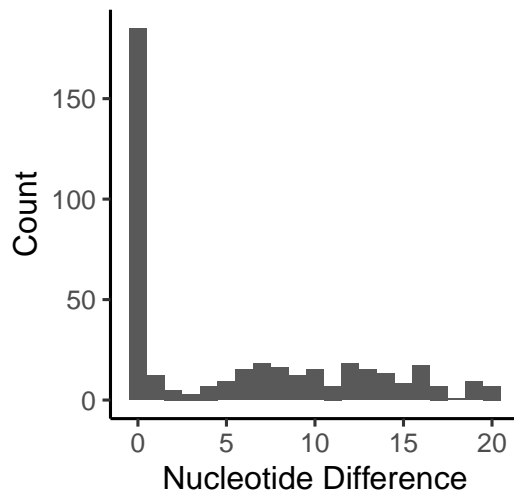
IGHV3-47*02

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



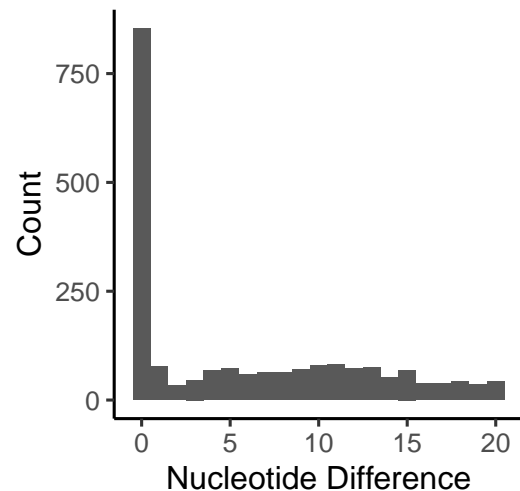
IGHV3-49*04

429 sequences assigned
185 (43.1%) exact matches, in which:
185 unique CDR3
6 unique J



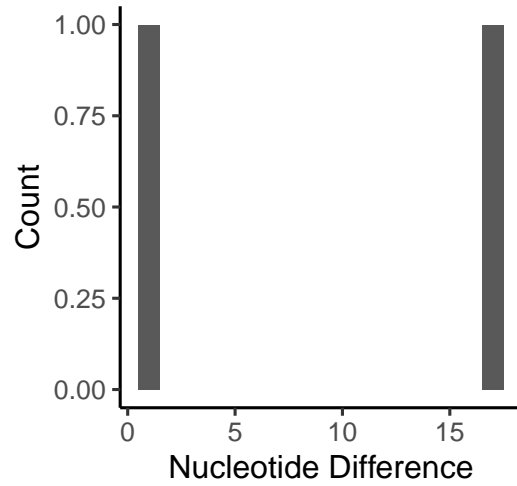
IGHV3-53*01_02

2233 sequences assigned
854 (38.2%) exact matches, in which:
808 unique CDR3
6 unique J



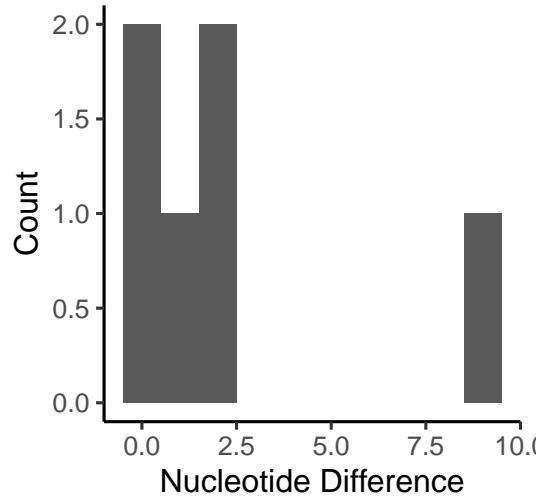
IGHV3-64*04

6 sequences assigned
No exact matches.



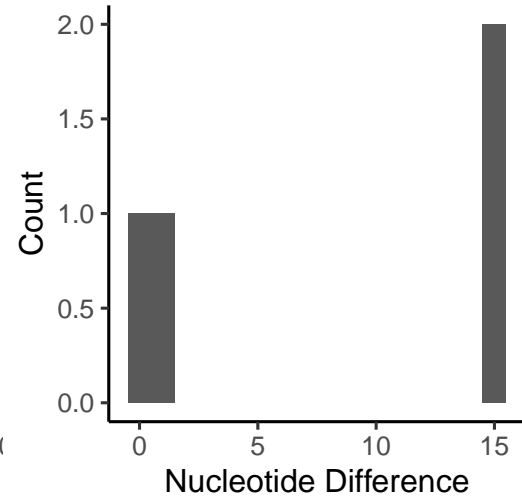
IGHV3-66*03

7 sequences assigned
2 (28.6%) exact matches, in which:
2 unique CDR3
2 unique J



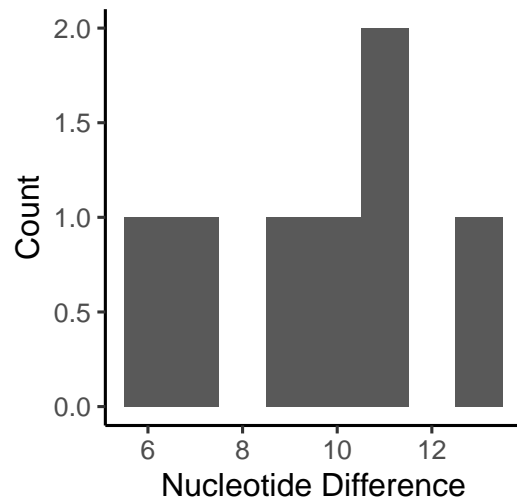
IGHV3-69-1*02

9 sequences assigned
1 (11.1%) exact matches, in which:
1 unique CDR3
1 unique J



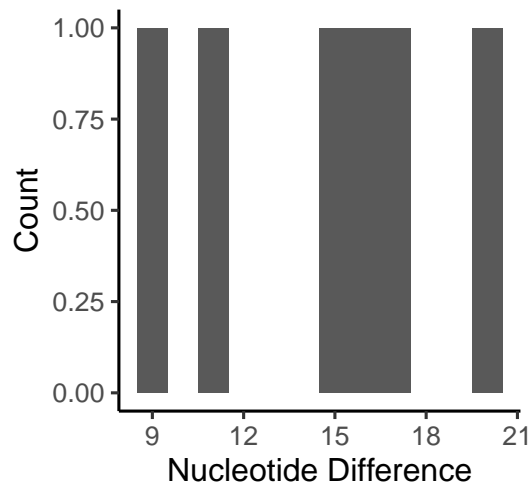
IGHV3-64*05

8 sequences assigned
No exact matches.



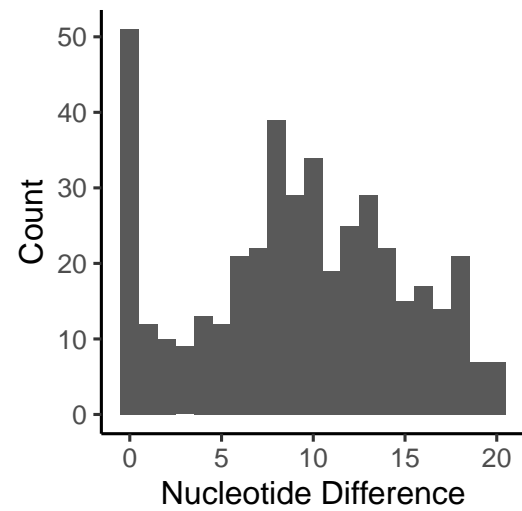
IGHV3-66*04

8 sequences assigned
No exact matches.



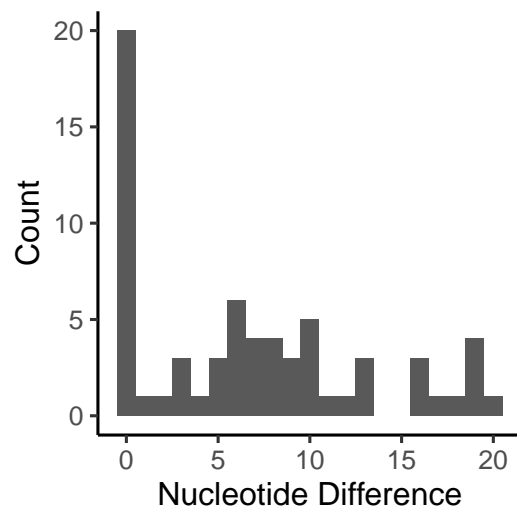
IGHV3-72*01

477 sequences assigned
51 (10.7%) exact matches, in which:
48 unique CDR3
5 unique J



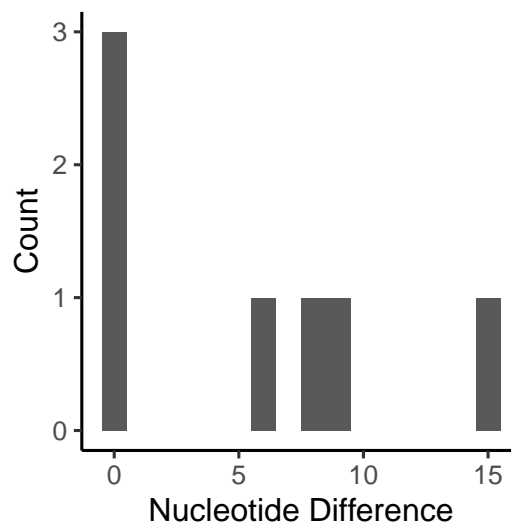
IGHV3-64*02_07

71 sequences assigned
20 (28.2%) exact matches, in which:
19 unique CDR3
4 unique J



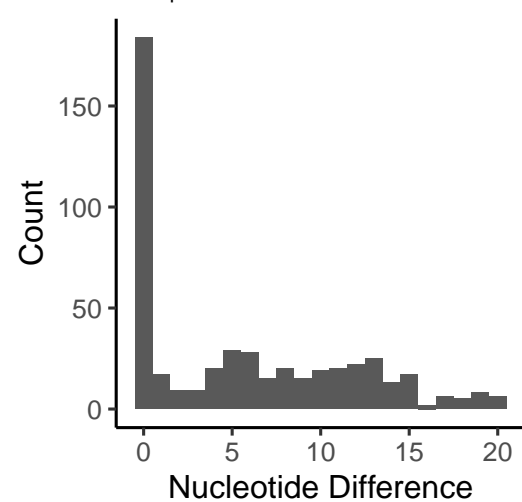
IGHV3-69-1*01

20 sequences assigned
3 (15%) exact matches, in which:
3 unique CDR3
2 unique J



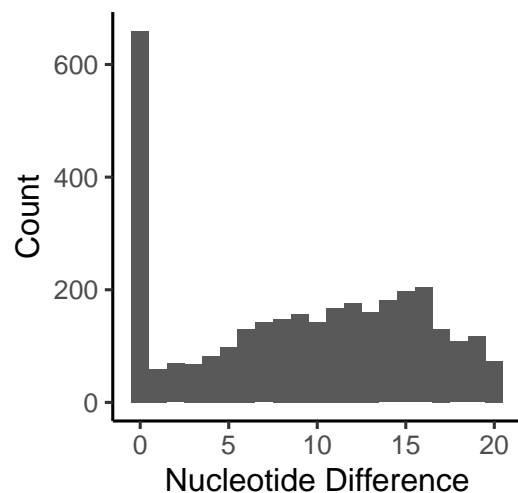
IGHV3-73*01_02

572 sequences assigned
184 (32.2%) exact matches, in which:
182 unique CDR3
6 unique J



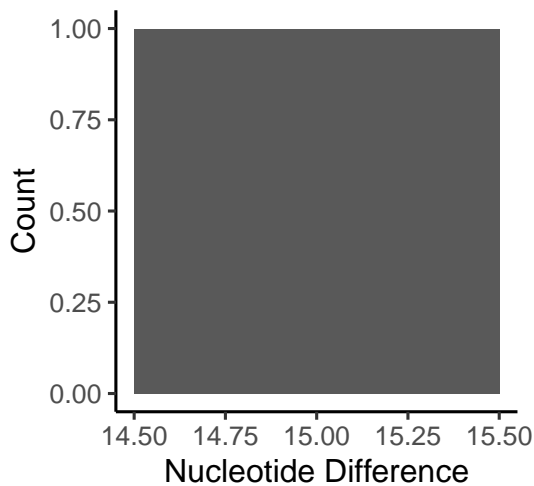
IGHV3-74*01_02

3819 sequences assigned
660 (17.3%) exact matches, in which:
625 unique CDR3
6 unique J



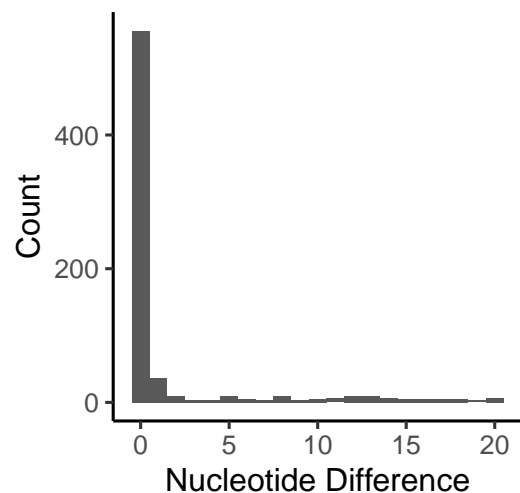
IGHV3-NL1*01

4 sequences assigned
No exact matches.



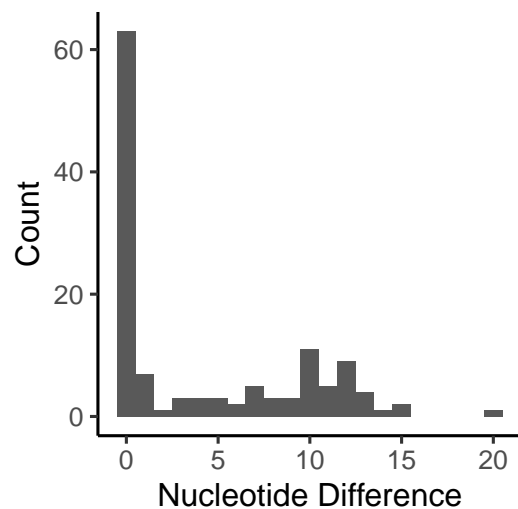
IGHV4-30-2*01

784 sequences assigned
556 (70.9%) exact matches, in which:
543 unique CDR3
6 unique J



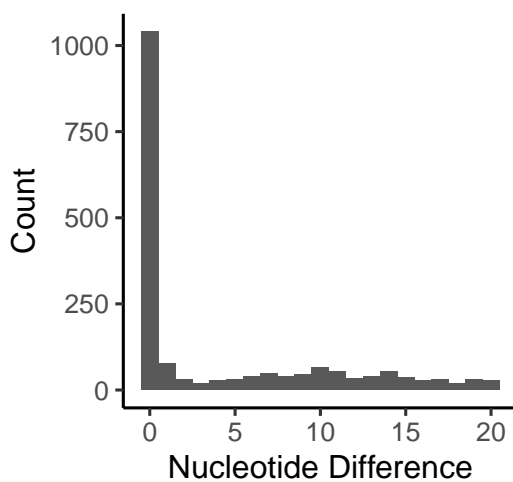
IGHV3-43D*04

138 sequences assigned
63 (45.7%) exact matches, in which:
61 unique CDR3
6 unique J



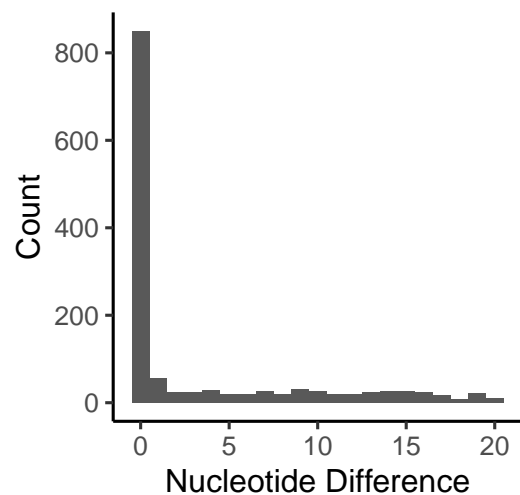
IGHV4-4*07

1936 sequences assigned
1040 (53.7%) exact matches, in which:
1012 unique CDR3
6 unique J



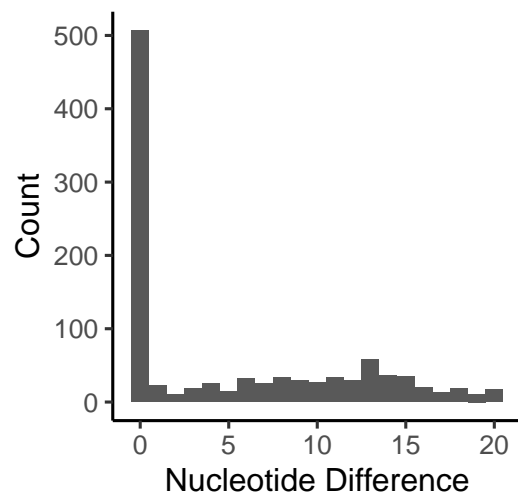
IGHV4-30-4*01

1529 sequences assigned
850 (55.6%) exact matches, in which:
834 unique CDR3
6 unique J



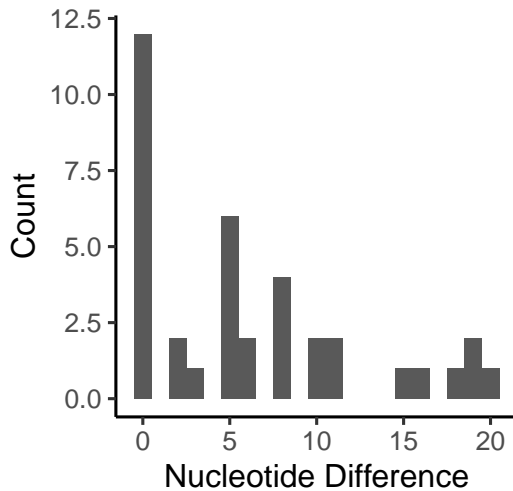
IGHV3-64D*09

1225 sequences assigned
507 (41.4%) exact matches, in which:
498 unique CDR3
6 unique J



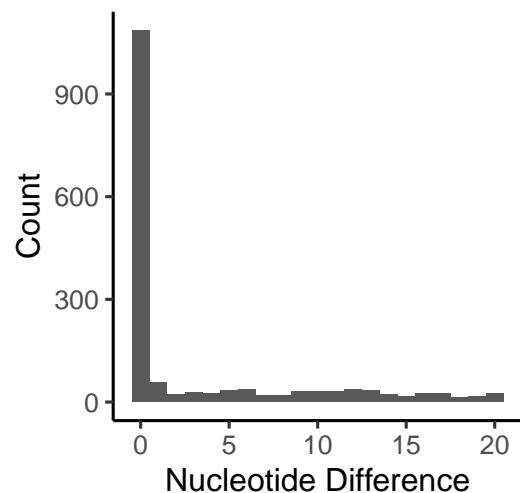
IGHV4-28*01_07

40 sequences assigned
12 (30%) exact matches, in which:
11 unique CDR3
5 unique J



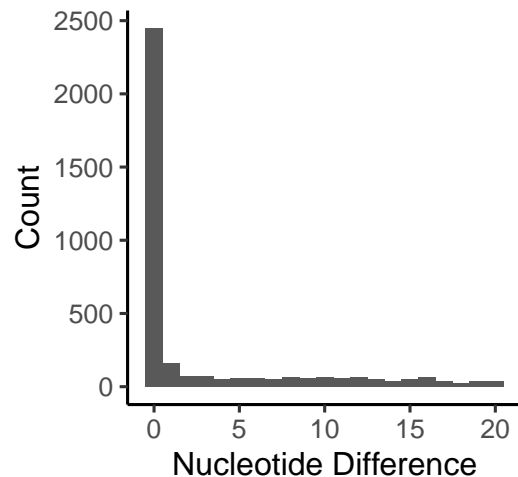
IGHV4-31*03_04

1897 sequences assigned
1086 (57.2%) exact matches, in which:
1071 unique CDR3
6 unique J



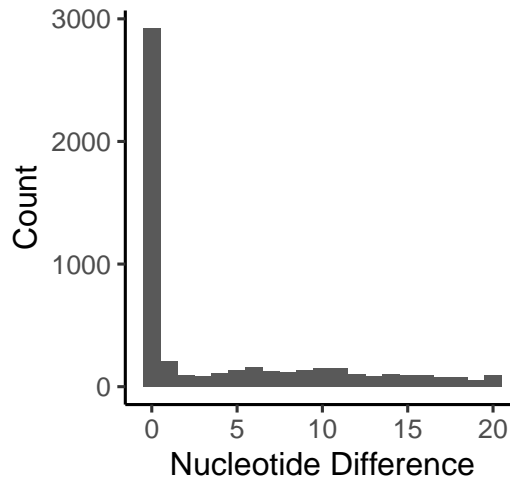
IGHV4-34*01_02

3938 sequences assigned
2447 (62.1%) exact matches, in which:
2385 unique CDR3
6 unique J



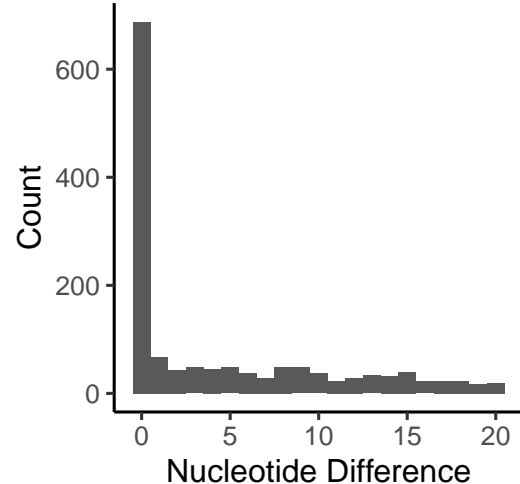
IGHV4-59*01_07

5687 sequences assigned
2922 (51.4%) exact matches, in which:
2828 unique CDR3
6 unique J



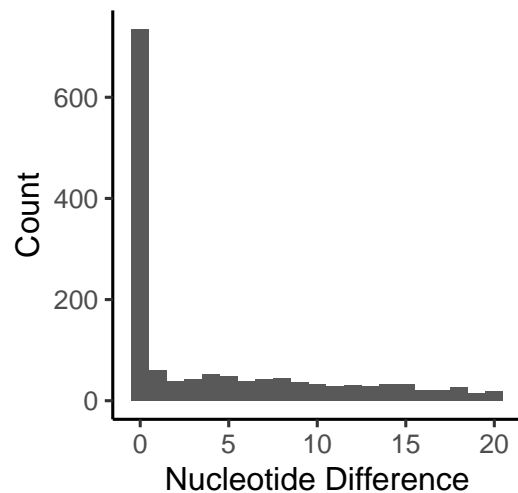
IGHV5-51*01_03

1516 sequences assigned
688 (45.4%) exact matches, in which:
686 unique CDR3
6 unique J



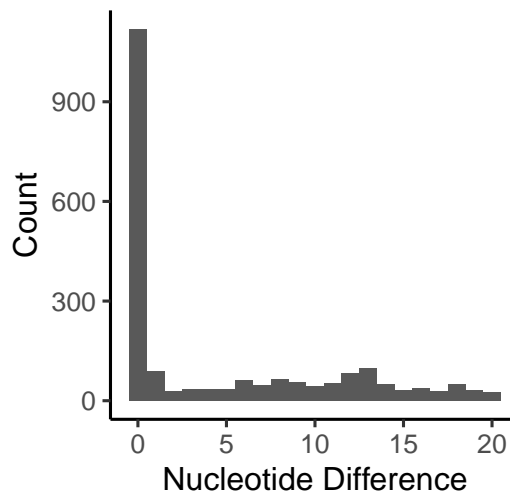
IGHV4-38-2*02_A70G

1582 sequences assigned
735 (46.5%) exact matches, in which:
720 unique CDR3
6 unique J



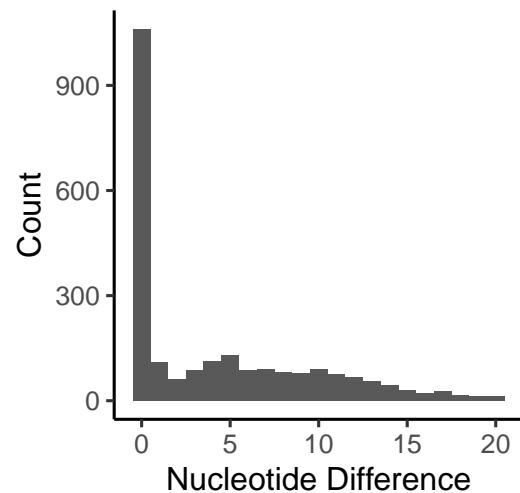
IGHV4-61*01

2371 sequences assigned
1119 (47.2%) exact matches, in which:
1086 unique CDR3
6 unique J



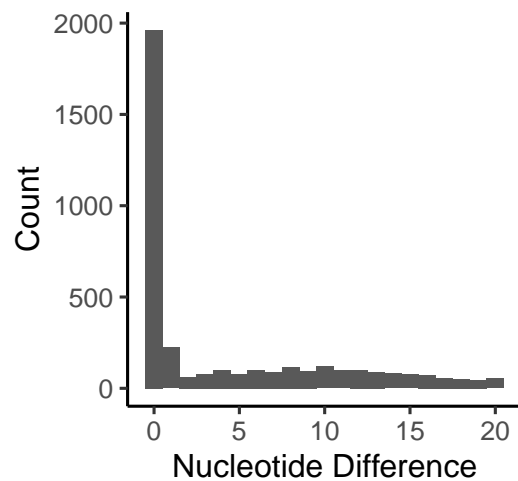
IGHV6-1*01_02

2385 sequences assigned
1061 (44.5%) exact matches, in which:
1056 unique CDR3
6 unique J



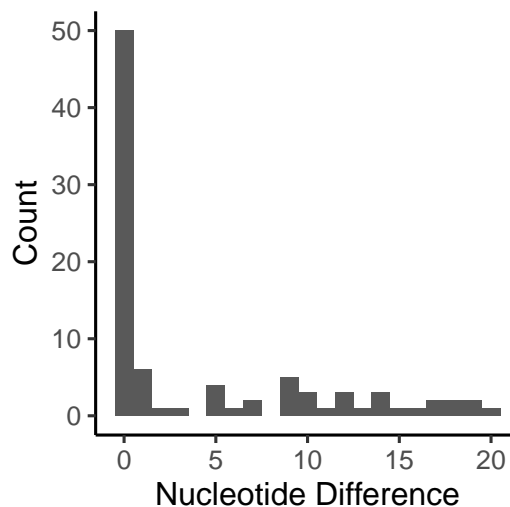
IGHV4-39*01_05

4123 sequences assigned
1962 (47.6%) exact matches, in which:
1909 unique CDR3
6 unique J



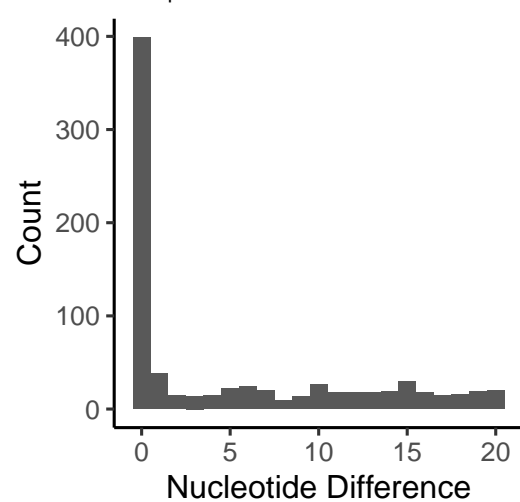
IGHV5-10-1*01_03

114 sequences assigned
50 (43.9%) exact matches, in which:
50 unique CDR3
5 unique J



IGHV7-4-1*02

863 sequences assigned
399 (46.2%) exact matches, in which:
398 unique CDR3
6 unique J





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.