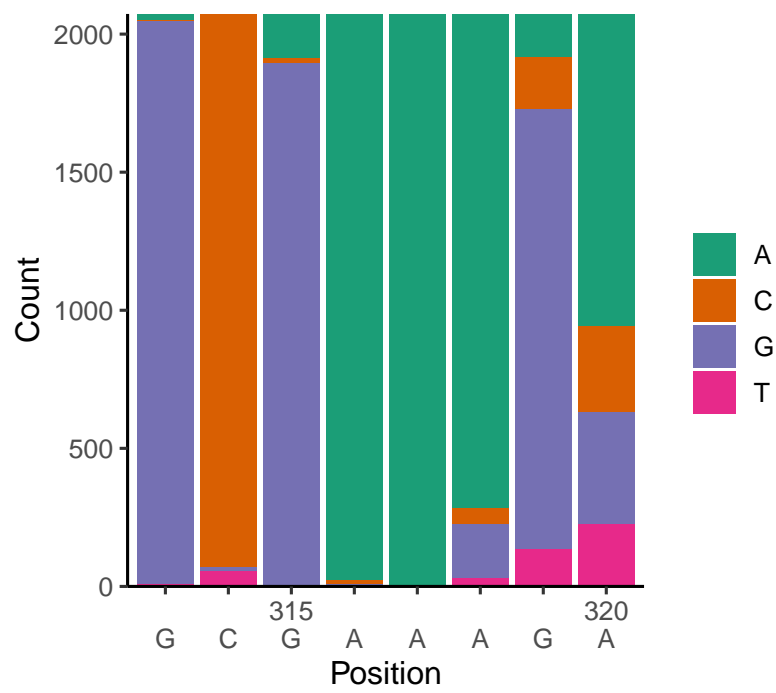


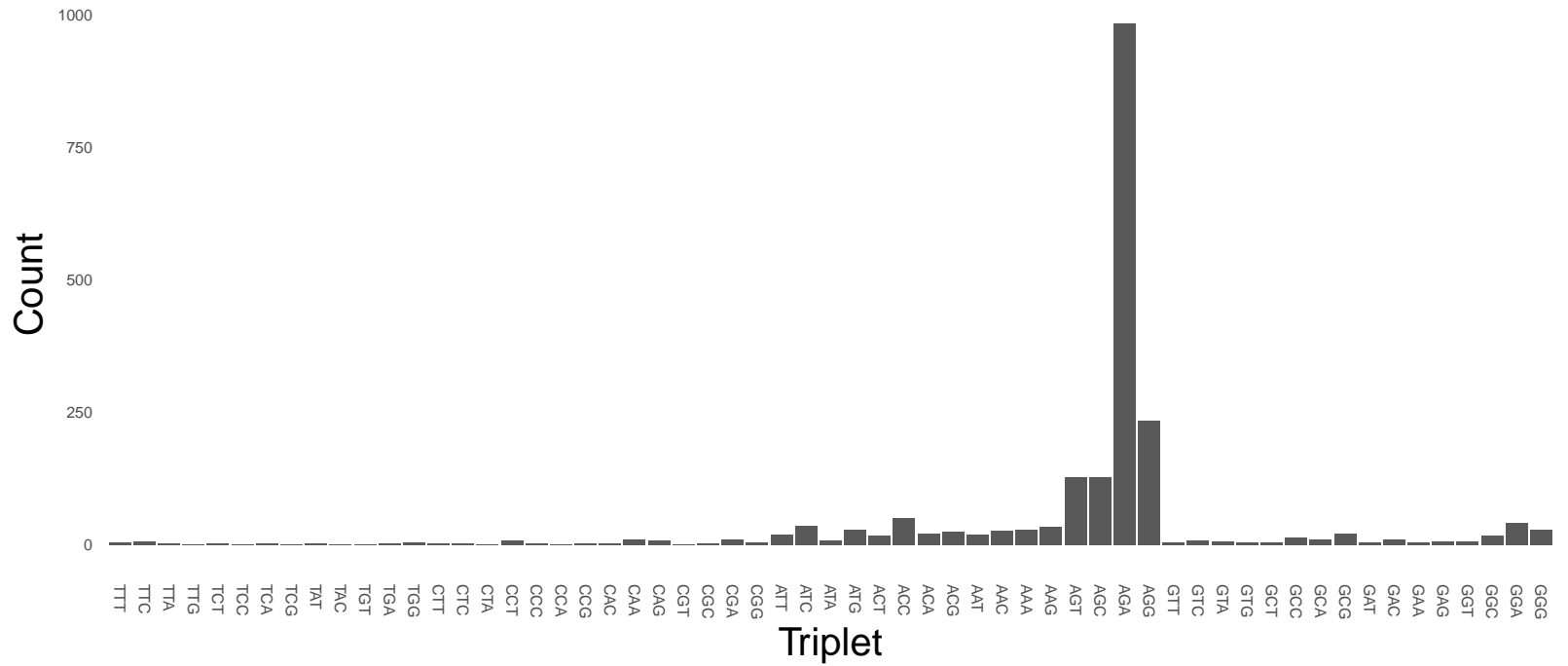
Gene IGHV3-30-3*02_G75C



Gene IGHV3-30-3*02_G75C

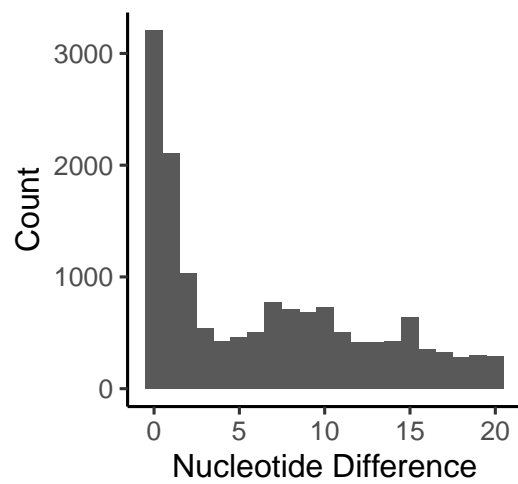


IGHV3-30-3*02_G75C- Final 3 nucleotides as a triplet



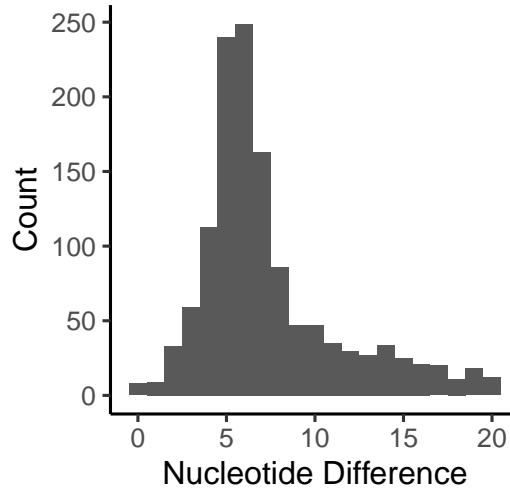
IGHV1-2*02

17240 sequences assigned
3206 (18.6%) exact matches, in which:
2933 unique CDR3
7 unique J



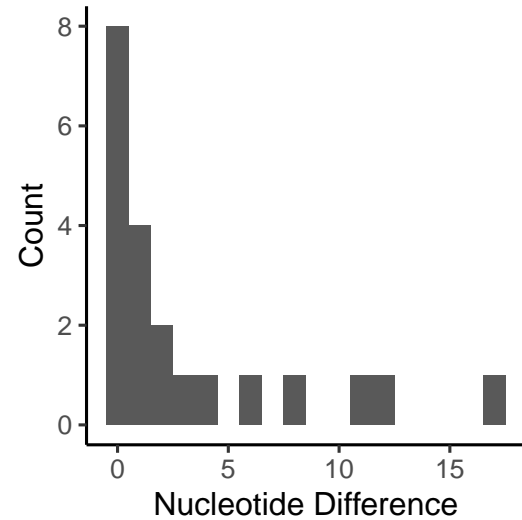
IGHV1-8*02

1393 sequences assigned
8 (0.6%) exact matches, in which:
8 unique CDR3
4 unique J



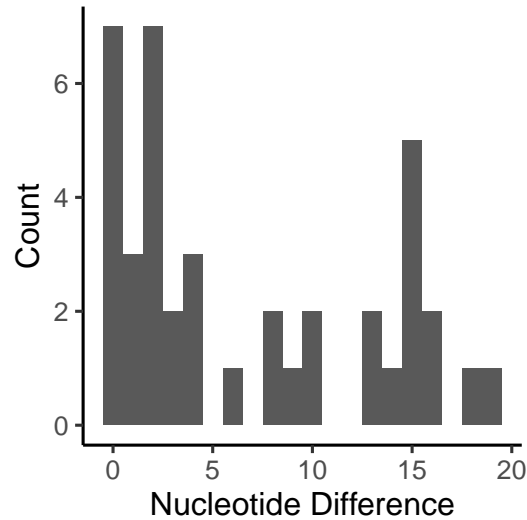
IGHV1-45*02

27 sequences assigned
8 (29.6%) exact matches, in which:
8 unique CDR3
4 unique J



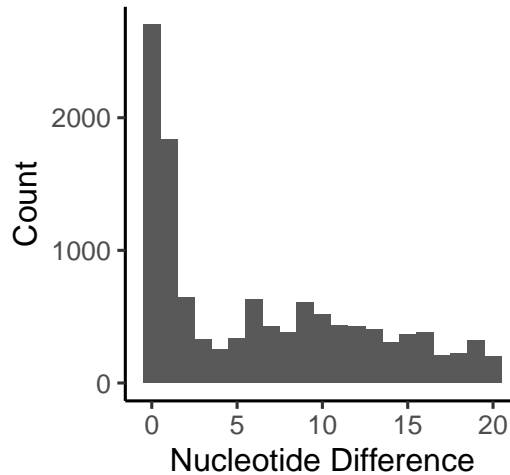
IGHV1-3*02

41 sequences assigned
7 (17.1%) exact matches, in which:
7 unique CDR3
3 unique J



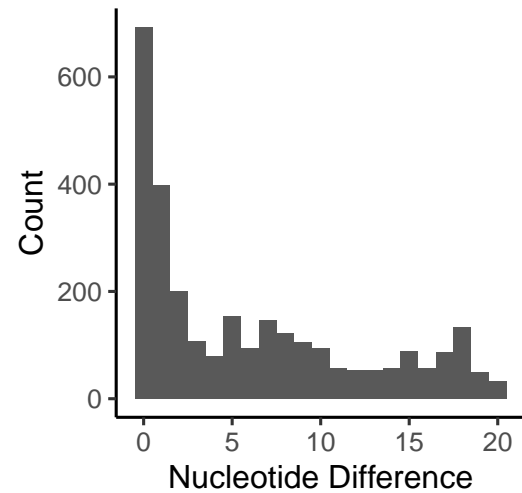
IGHV1-18*01

13496 sequences assigned
2701 (20%) exact matches, in which:
2493 unique CDR3
7 unique J



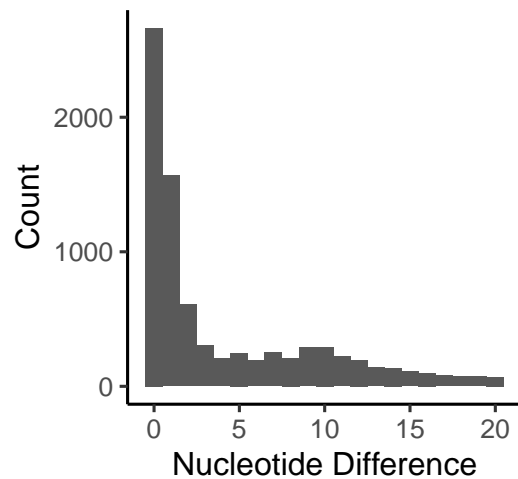
IGHV1-46*01

3156 sequences assigned
693 (22%) exact matches, in which:
650 unique CDR3
7 unique J



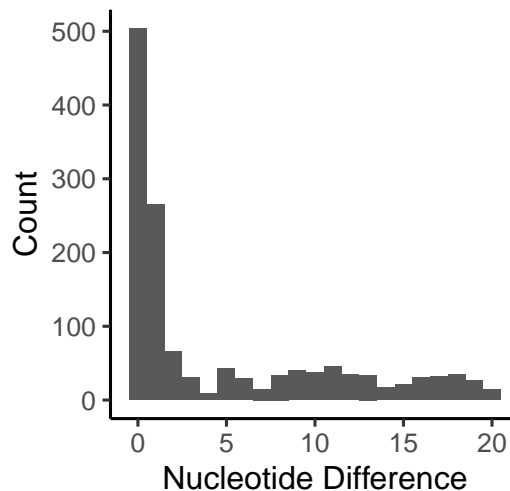
IGHV1-8*01

8538 sequences assigned
2663 (31.2%) exact matches, in which:
2497 unique CDR3
7 unique J



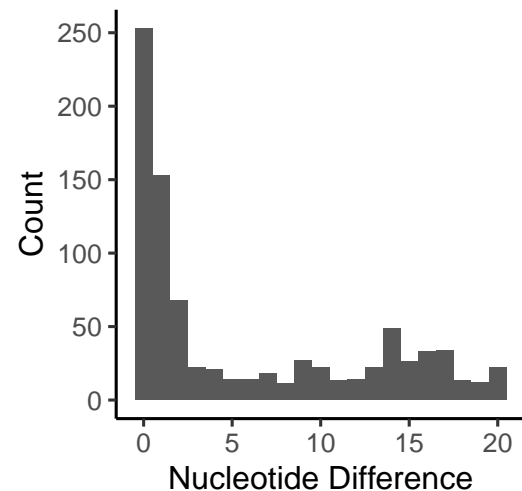
IGHV1-24*01

1525 sequences assigned
504 (33%) exact matches, in which:
472 unique CDR3
7 unique J



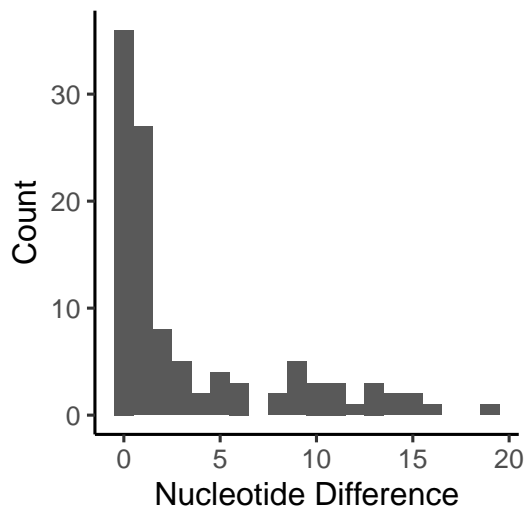
IGHV1-46*03

962 sequences assigned
253 (26.3%) exact matches, in which:
232 unique CDR3
7 unique J



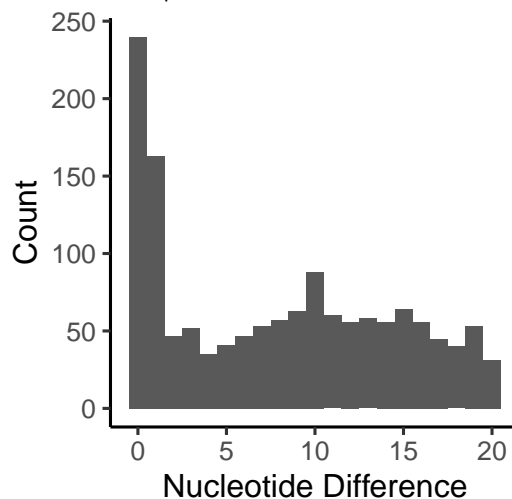
IGHV1-58*02

110 sequences assigned
36 (32.7%) exact matches, in which:
34 unique CDR3
4 unique J



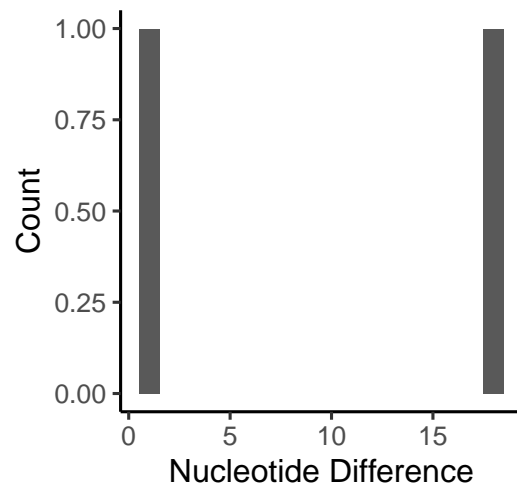
IGHV2-5*01

1685 sequences assigned
240 (14.2%) exact matches, in which:
232 unique CDR3
7 unique J



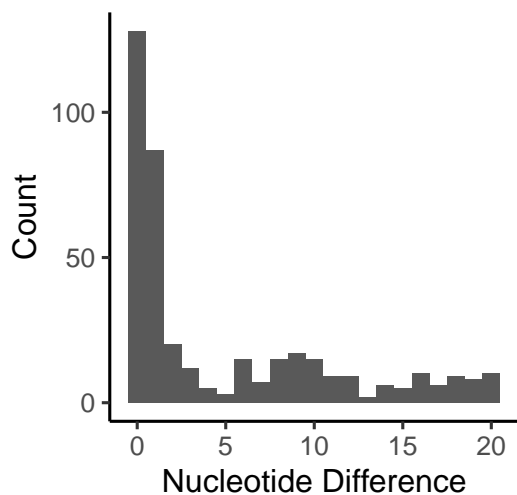
IGHV2-70D*04

2 sequences assigned
No exact matches.



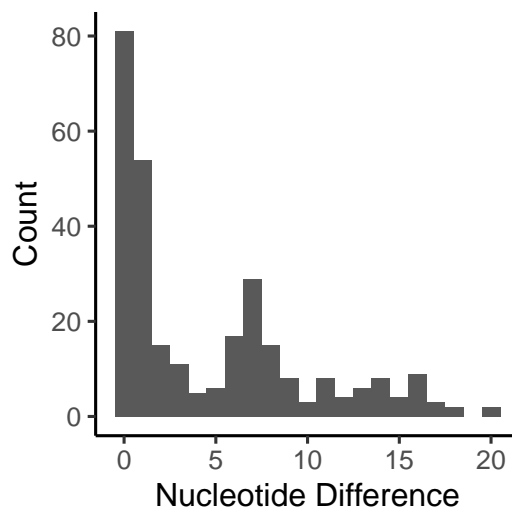
IGHV1-58*01_03

500 sequences assigned
128 (25.6%) exact matches, in which:
121 unique CDR3
7 unique J



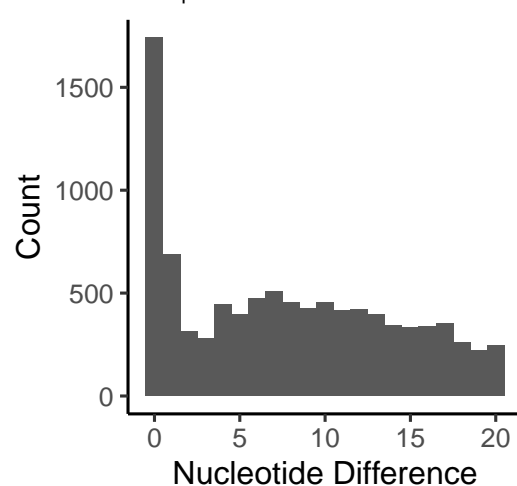
IGHV2-26*01

308 sequences assigned
81 (26.3%) exact matches, in which:
79 unique CDR3
6 unique J



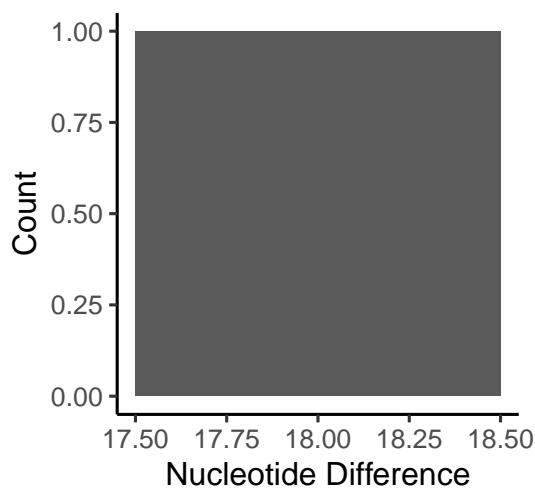
IGHV3-7*01

10783 sequences assigned
1741 (16.1%) exact matches, in which:
1315 unique CDR3
7 unique J



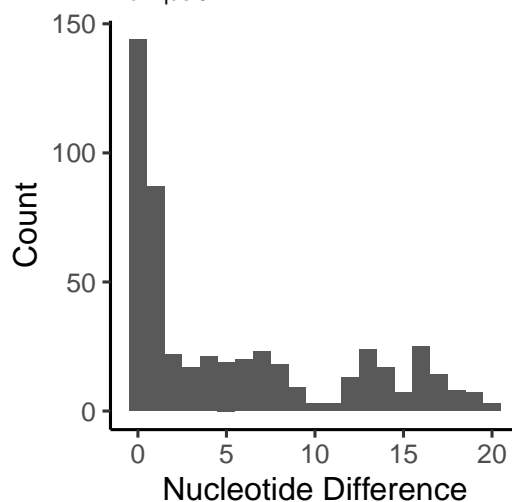
IGHV1-69-2*01

2 sequences assigned
No exact matches.



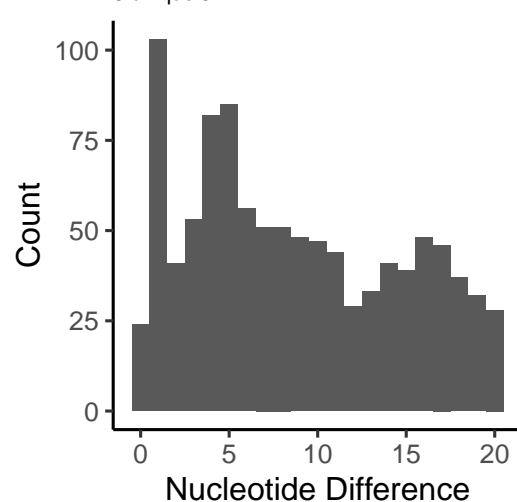
IGHV2-70*01

543 sequences assigned
144 (26.5%) exact matches, in which:
135 unique CDR3
7 unique J



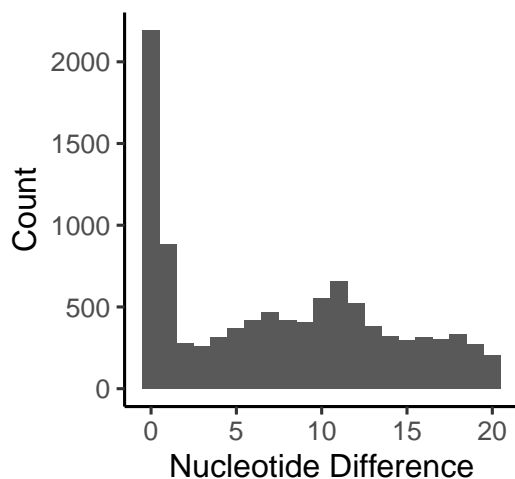
IGHV3-7*03

1162 sequences assigned
24 (2.1%) exact matches, in which:
24 unique CDR3
5 unique J



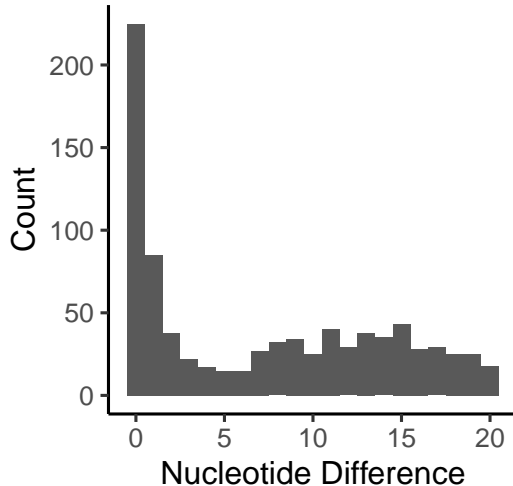
IGHV3-9*01

12041 sequences assigned
2192 (18.2%) exact matches, in which:
1501 unique CDR3
7 unique J



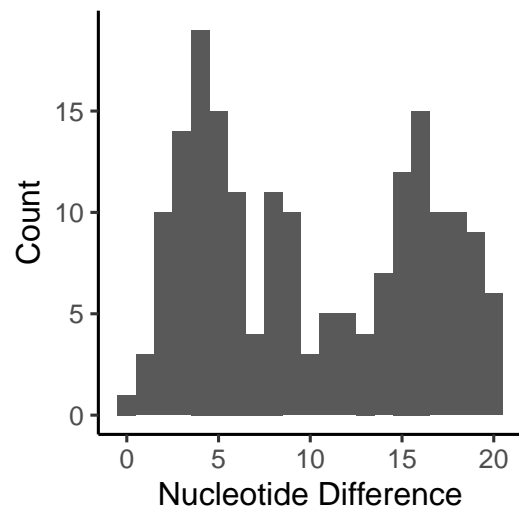
IGHV3-13*01

1057 sequences assigned
225 (21.3%) exact matches, in which:
155 unique CDR3
6 unique J



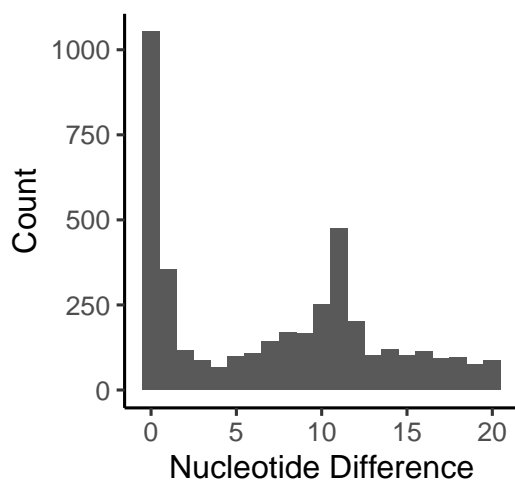
IGHV3-20*03_04

334 sequences assigned
1 (0.3%) exact matches, in which:
1 unique CDR3
1 unique J



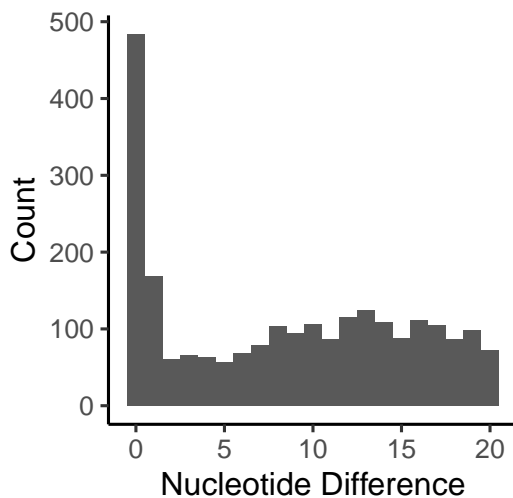
IGHV3-11*01

4727 sequences assigned
1053 (22.3%) exact matches, in which:
800 unique CDR3
7 unique J



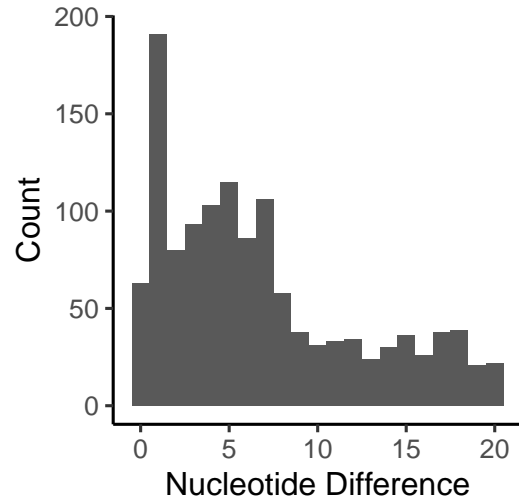
IGHV3-15*01_02

3271 sequences assigned
484 (14.8%) exact matches, in which:
342 unique CDR3
7 unique J



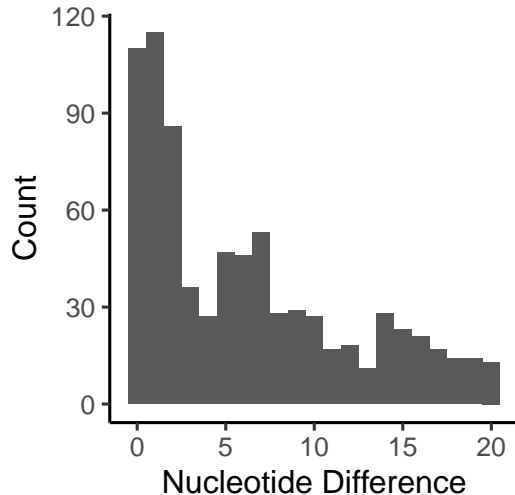
IGHV3-21*04

1456 sequences assigned
63 (4.3%) exact matches, in which:
63 unique CDR3
5 unique J



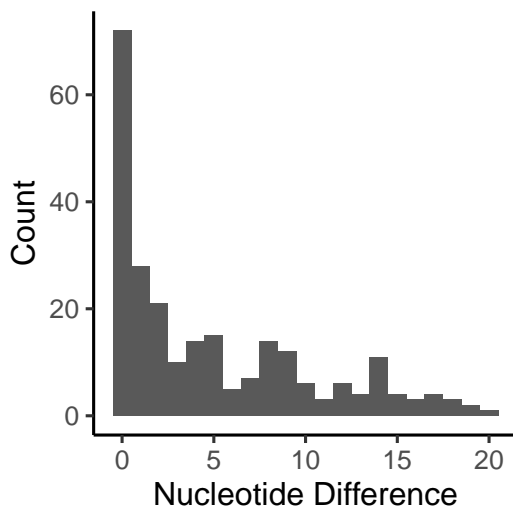
IGHV3-11*04

878 sequences assigned
110 (12.5%) exact matches, in which:
109 unique CDR3
6 unique J



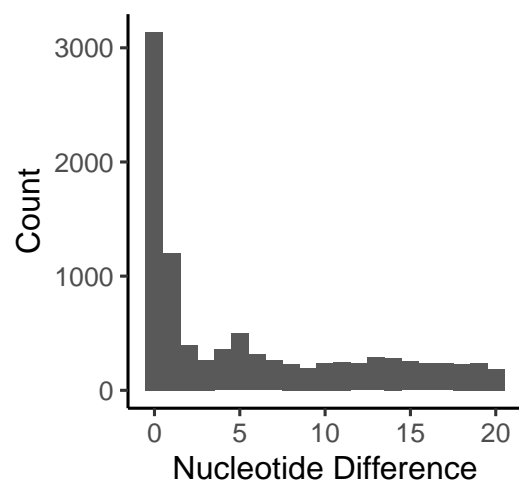
IGHV3-20*01_02

314 sequences assigned
72 (22.9%) exact matches, in which:
48 unique CDR3
6 unique J



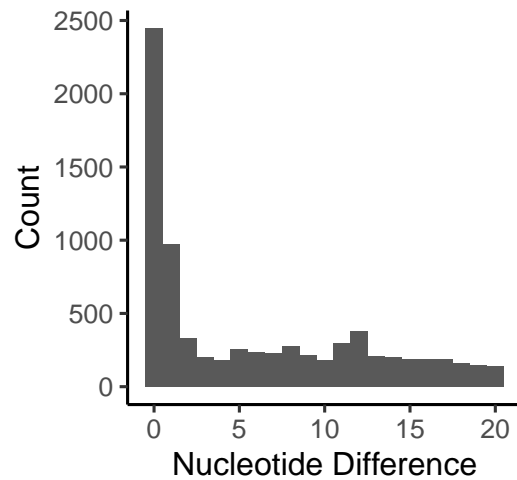
IGHV3-21*01_02

11271 sequences assigned
3138 (27.8%) exact matches, in which:
2273 unique CDR3
7 unique J



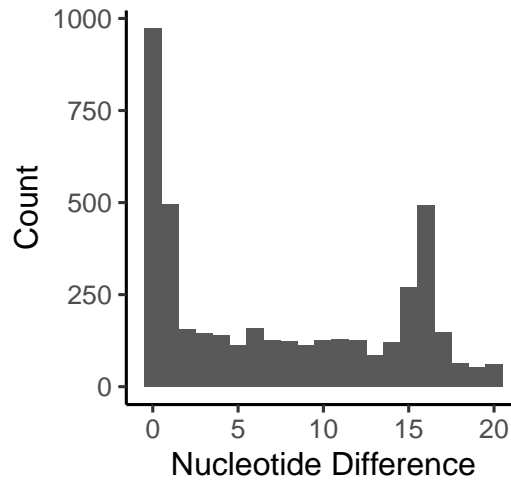
IGHV3-30-3*01

8768 sequences assigned
2446 (27.9%) exact matches, in which:
1774 unique CDR3
7 unique J



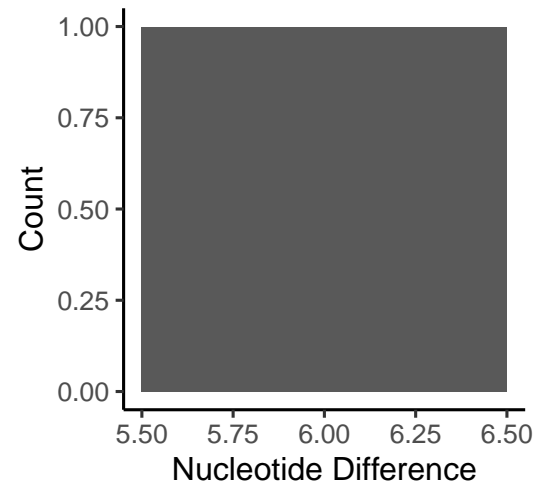
IGHV3-33*01

4980 sequences assigned
973 (19.5%) exact matches, in which:
737 unique CDR3
7 unique J



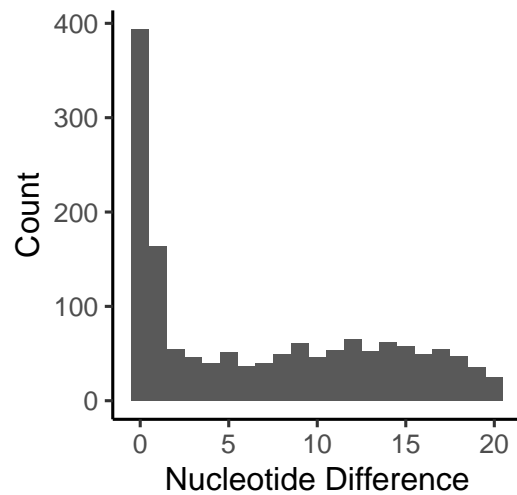
IGHV3-35*01

1 sequences assigned
No exact matches.



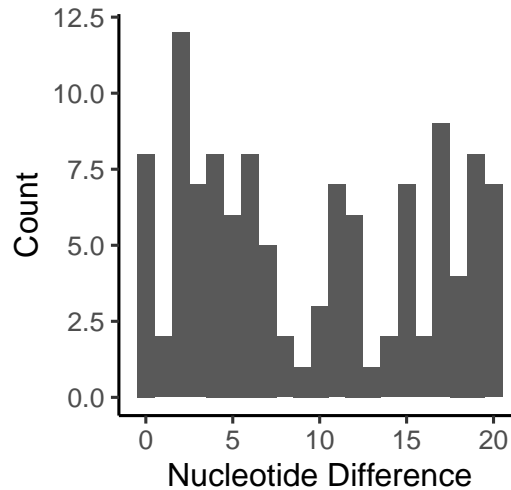
IGHV3-30*03

1988 sequences assigned
394 (19.8%) exact matches, in which:
374 unique CDR3
7 unique J



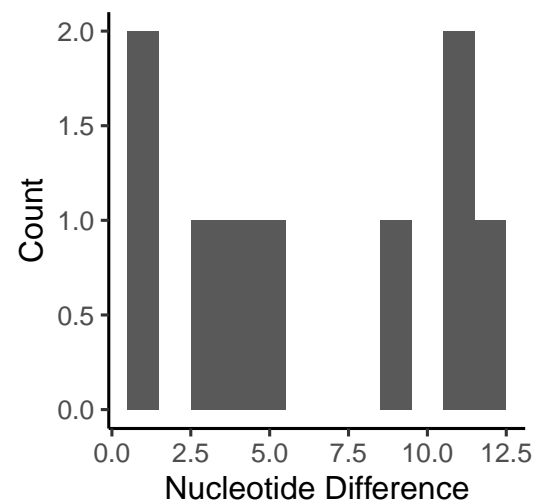
IGHV3-33*05

217 sequences assigned
8 (3.7%) exact matches, in which:
8 unique CDR3
4 unique J



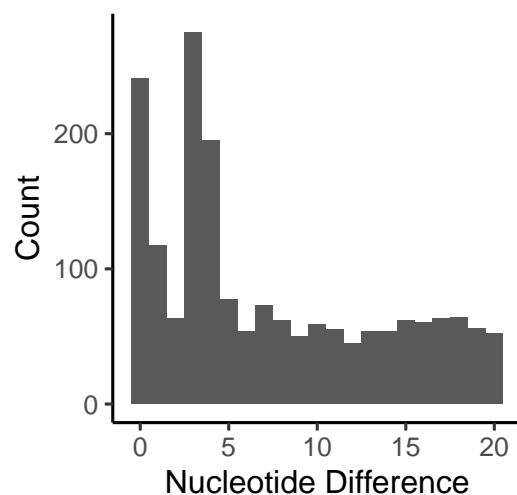
IGHV3-38-3*01

9 sequences assigned
No exact matches.



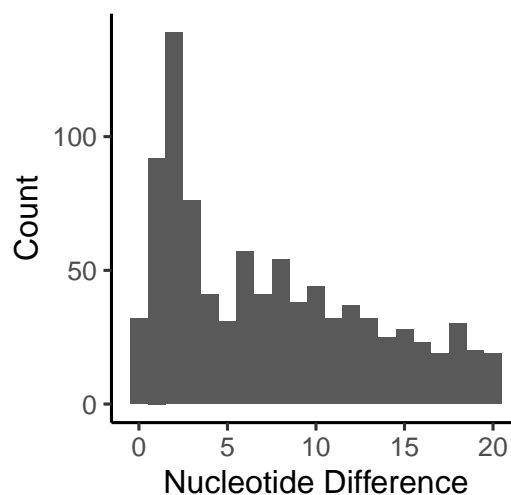
IGHV3-30-3*02_G75C

2073 sequences assigned
241 (11.6%) exact matches, in which:
233 unique CDR3
7 unique J



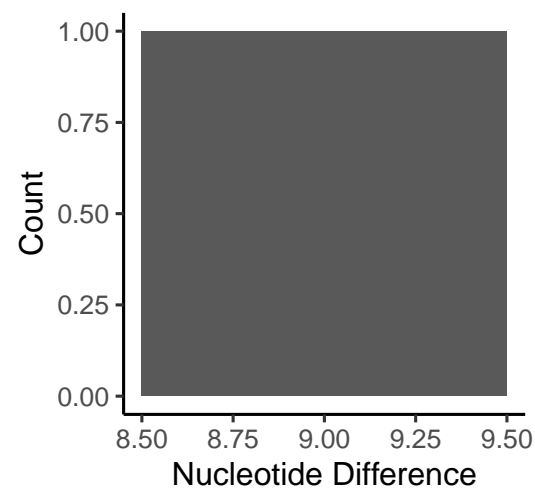
IGHV3-33*06

1022 sequences assigned
32 (3.1%) exact matches, in which:
32 unique CDR3
6 unique J



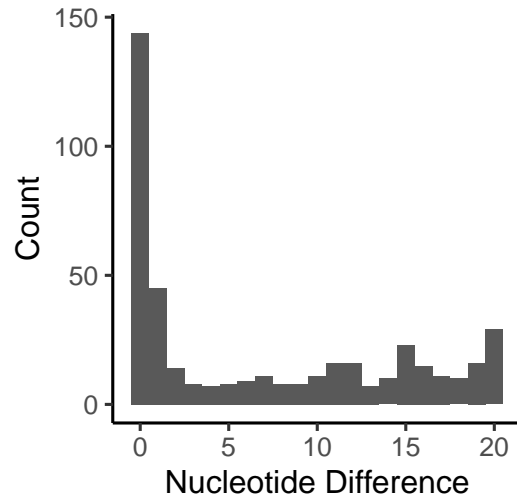
IGHV3-38*03

1 sequences assigned
No exact matches.



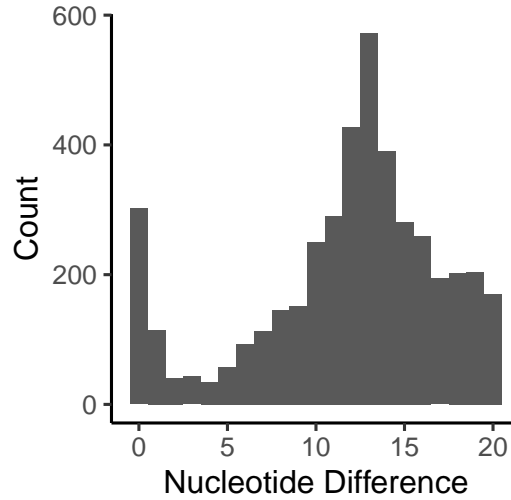
IGHV3-43*01

572 sequences assigned
144 (25.2%) exact matches, in which:
99 unique CDR3
7 unique J



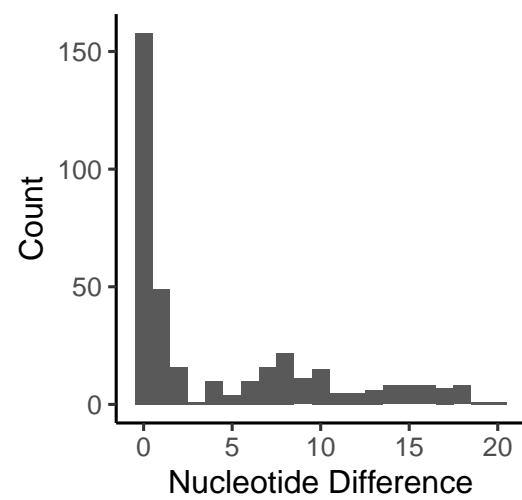
IGHV3-49*03_05

5079 sequences assigned
302 (5.9%) exact matches, in which:
222 unique CDR3
7 unique J



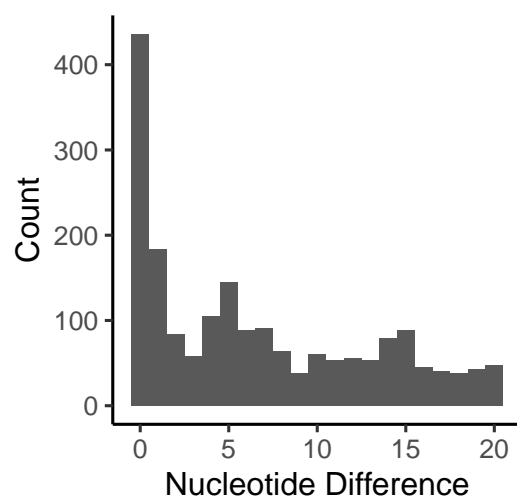
IGHV3-53*04

500 sequences assigned
158 (31.6%) exact matches, in which:
112 unique CDR3
6 unique J



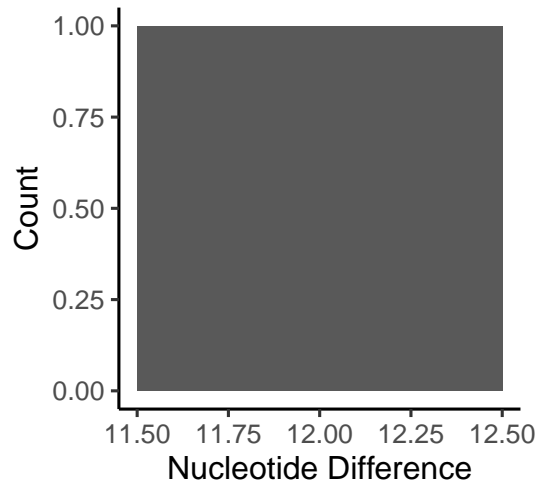
IGHV3-48*01

2247 sequences assigned
436 (19.4%) exact matches, in which:
321 unique CDR3
7 unique J



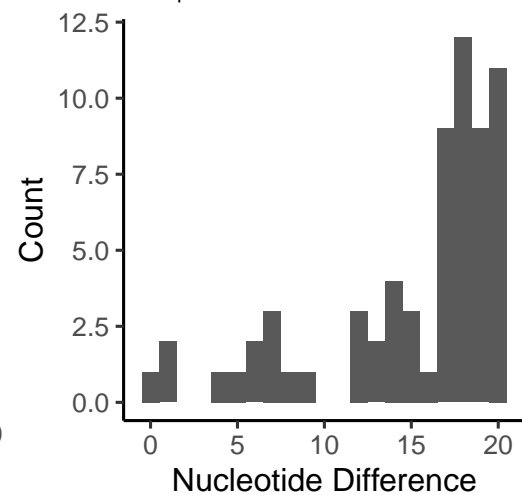
IGHV3-52*02

1 sequences assigned
No exact matches.



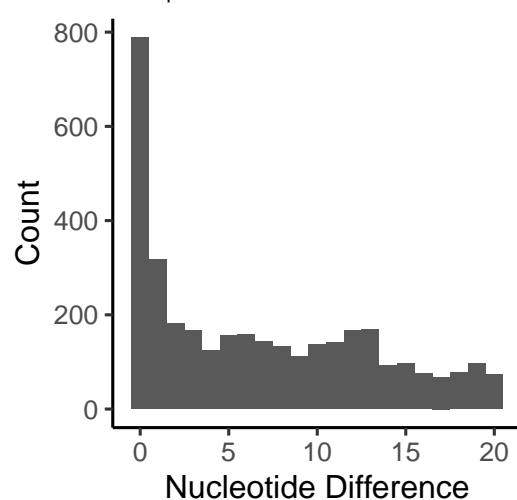
IGHV3-53*05

81 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



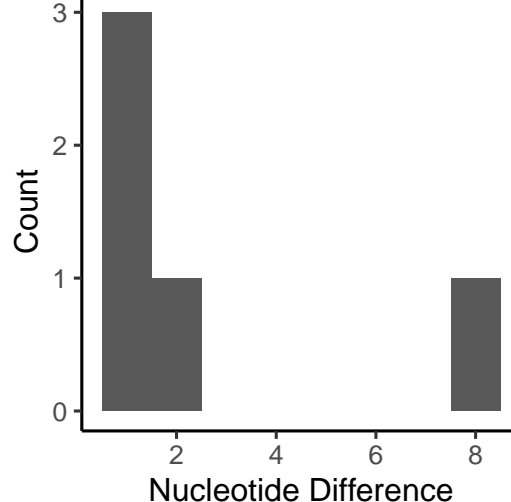
IGHV3-48*04

4412 sequences assigned
789 (17.9%) exact matches, in which:
613 unique CDR3
7 unique J



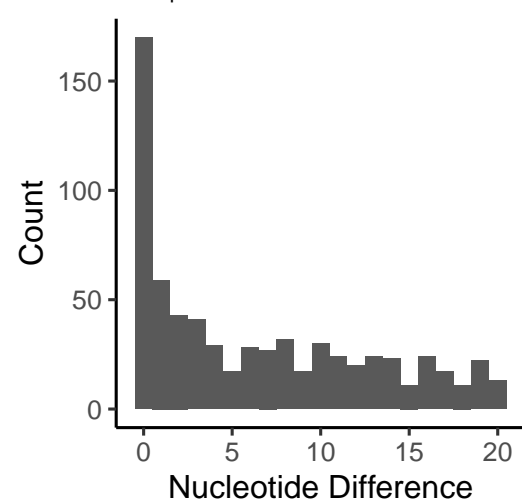
IGHV3-52*01_03

5 sequences assigned
No exact matches.



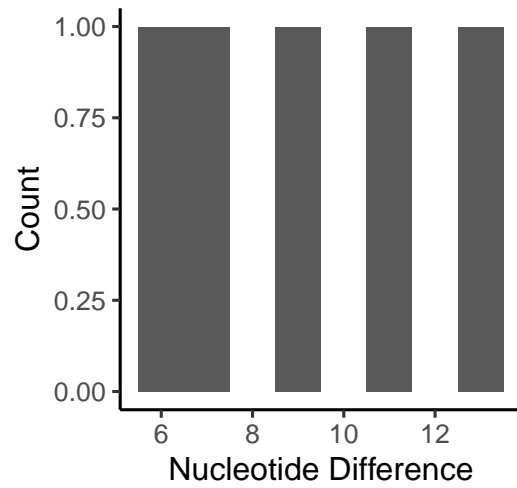
IGHV3-53*01_02

757 sequences assigned
170 (22.5%) exact matches, in which:
129 unique CDR3
7 unique J



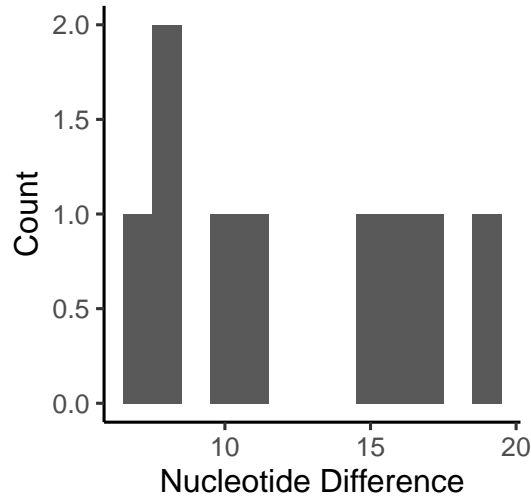
IGHV3-64*04

7 sequences assigned
No exact matches.



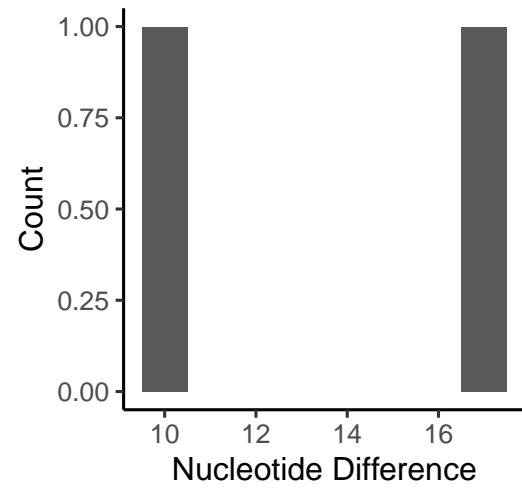
IGHV3-66*02

11 sequences assigned
No exact matches.



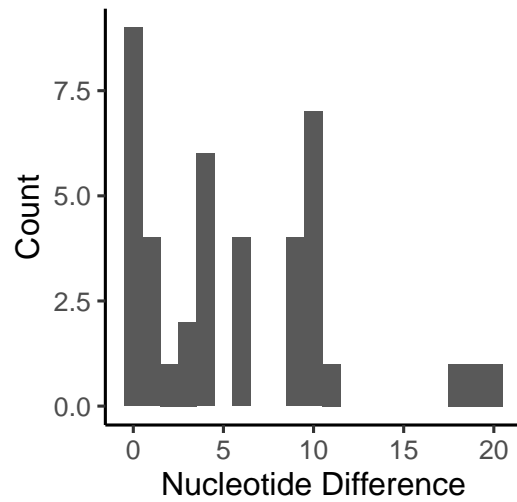
IGHV3-69-1*02

24 sequences assigned
No exact matches.



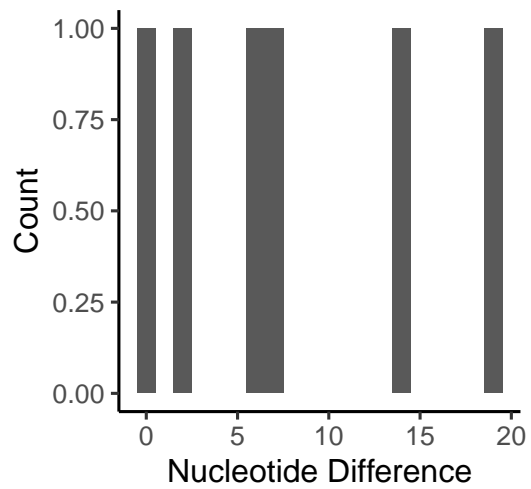
IGHV3-64*02_07

47 sequences assigned
9 (19.1%) exact matches, in which:
8 unique CDR3
3 unique J



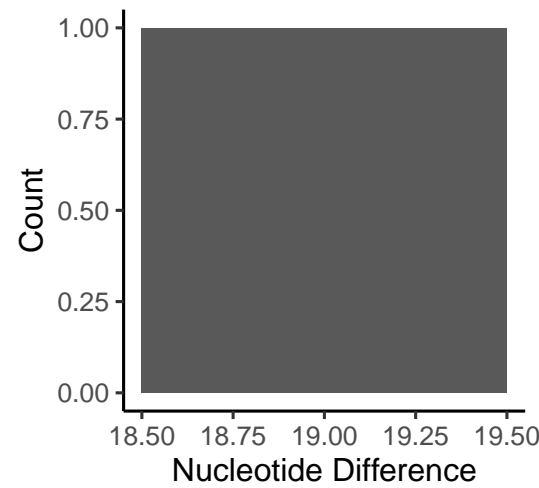
IGHV3-66*03

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



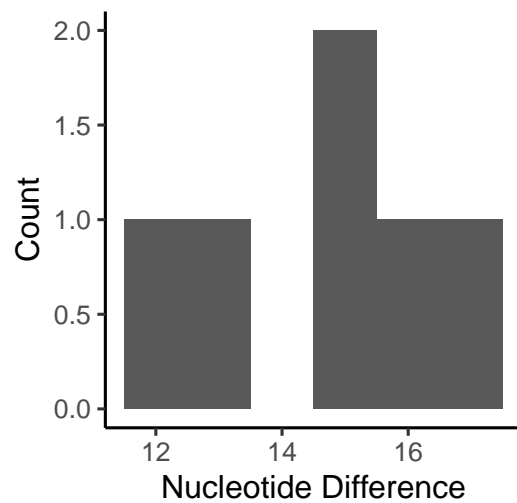
IGHV3-71*01_04

5 sequences assigned
No exact matches.



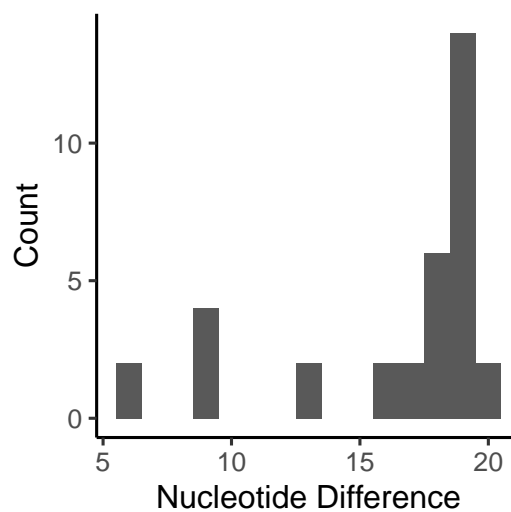
IGHV3-66*01

11 sequences assigned
No exact matches.



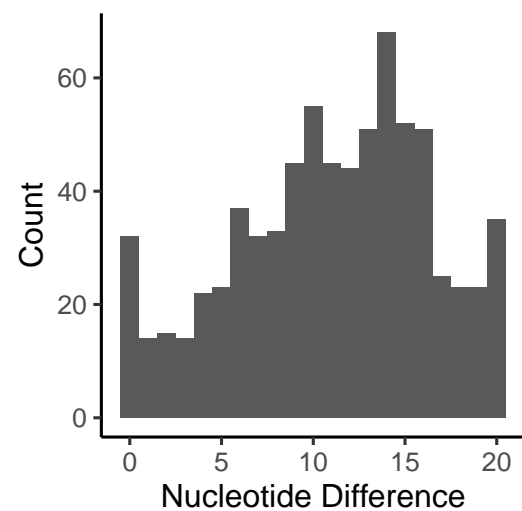
IGHV3-69-1*01

56 sequences assigned
No exact matches.



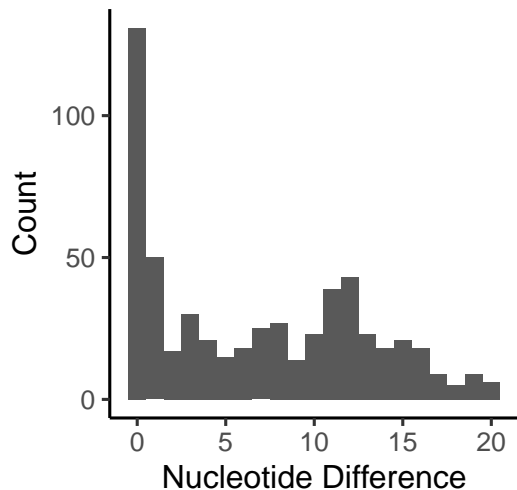
IGHV3-72*01

910 sequences assigned
32 (3.5%) exact matches, in which:
23 unique CDR3
5 unique J



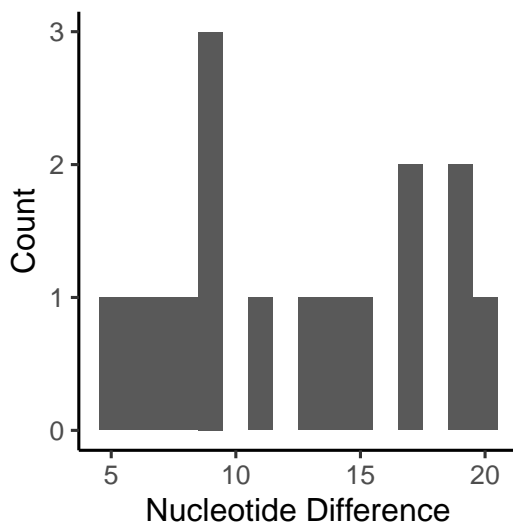
IGHV3-73*01_02

672 sequences assigned
131 (19.5%) exact matches, in which:
95 unique CDR3
7 unique J



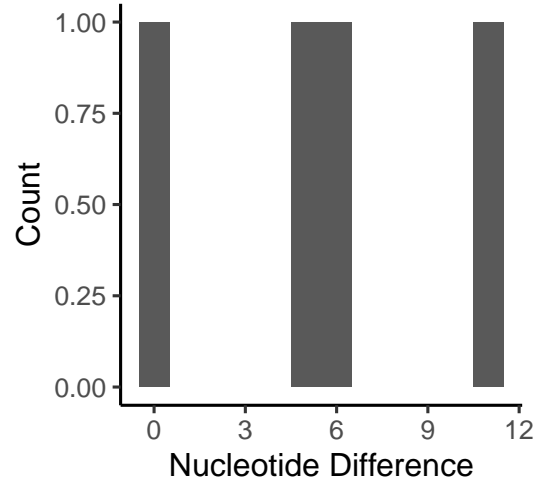
IGHV3-NL1*01

41 sequences assigned
No exact matches.



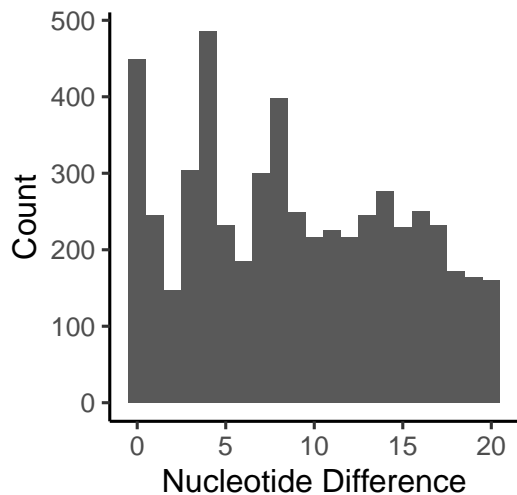
IGHV4-28*01_07

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



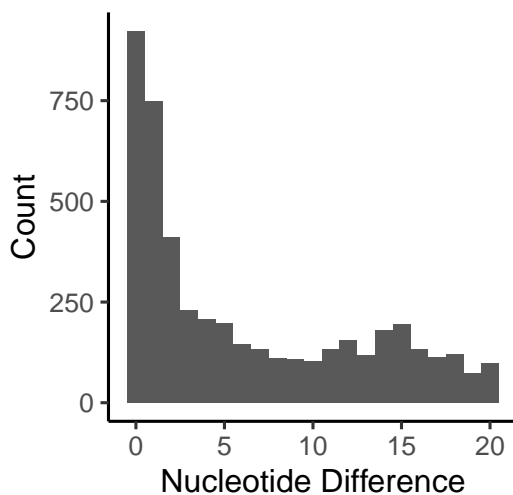
IGHV3-74*01_02

6647 sequences assigned
449 (6.8%) exact matches, in which:
319 unique CDR3
7 unique J



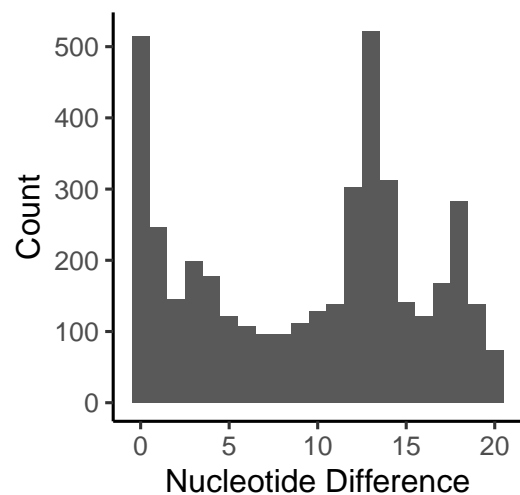
IGHV4-4*07

5471 sequences assigned
923 (16.9%) exact matches, in which:
866 unique CDR3
7 unique J



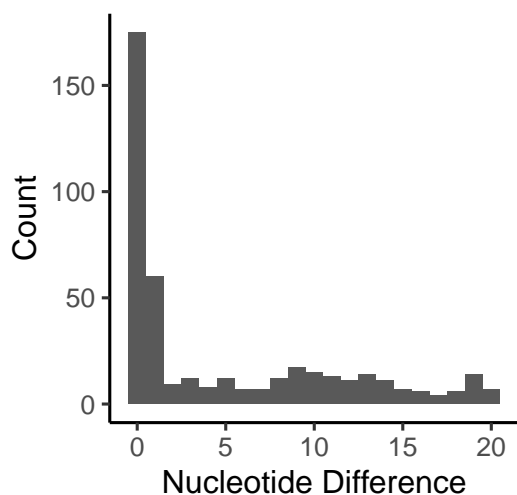
IGHV4-30-4*01

5646 sequences assigned
514 (9.1%) exact matches, in which:
483 unique CDR3
7 unique J



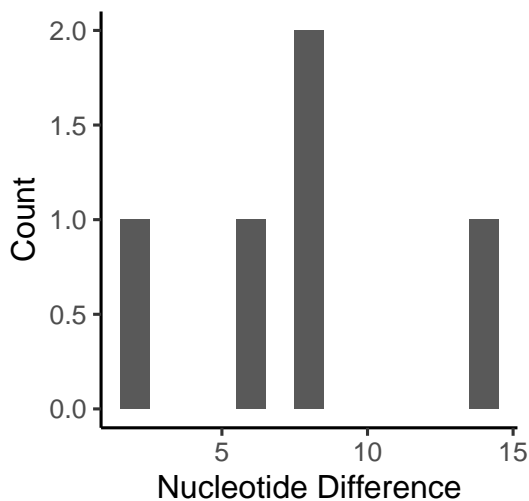
IGHV3-43D*03

537 sequences assigned
175 (32.6%) exact matches, in which:
119 unique CDR3
6 unique J



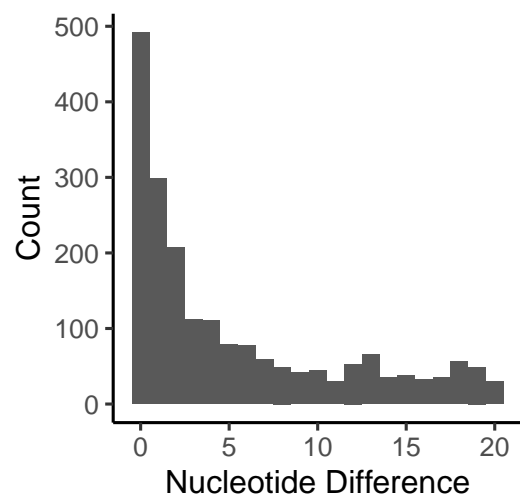
IGHV4-28*03

8 sequences assigned
No exact matches.



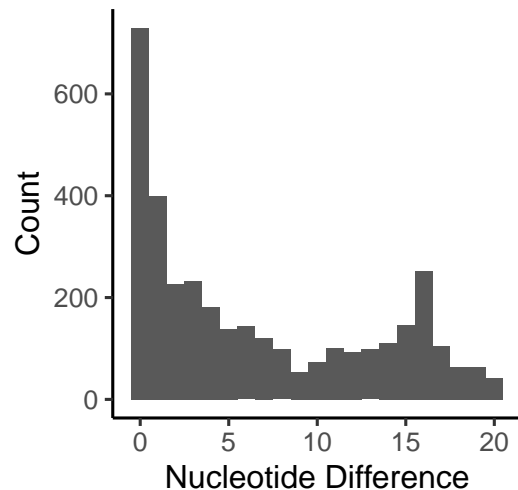
IGHV4-30-2*01

2349 sequences assigned
492 (20.9%) exact matches, in which:
417 unique CDR3
7 unique J



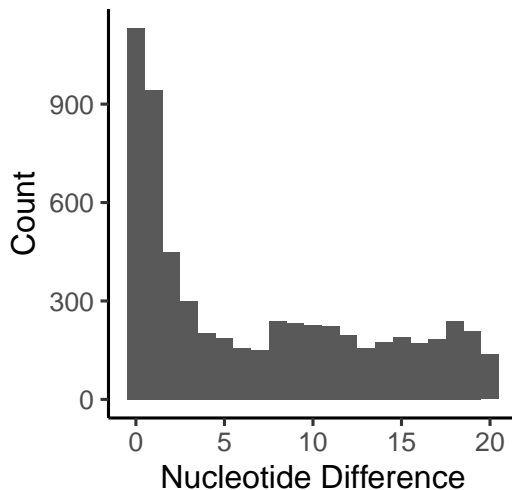
IGHV4-31*03_04

3929 sequences assigned
730 (18.6%) exact matches, in which:
674 unique CDR3
7 unique J



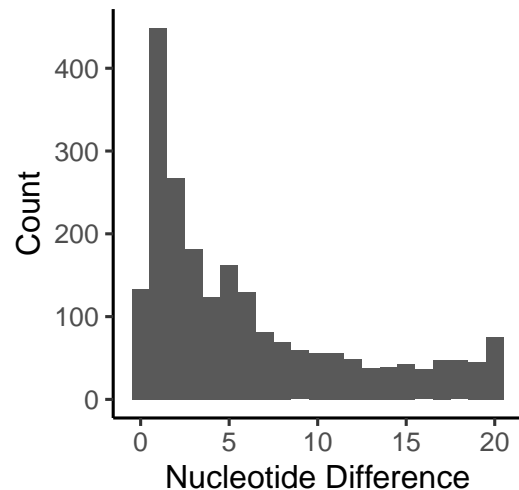
IGHV4-39*07

7784 sequences assigned
1133 (14.6%) exact matches, in which:
1040 unique CDR3
7 unique J



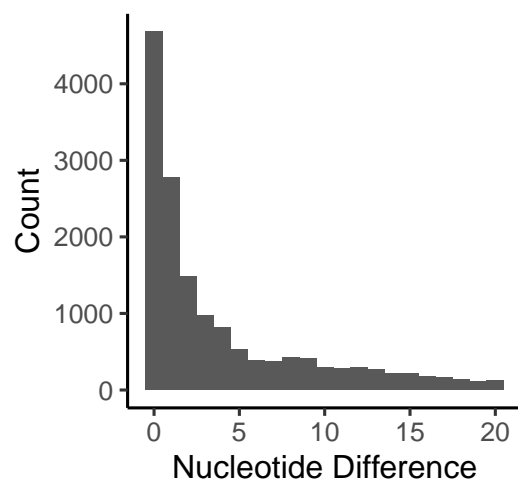
IGHV4-59*12

2612 sequences assigned
133 (5.1%) exact matches, in which:
133 unique CDR3
7 unique J



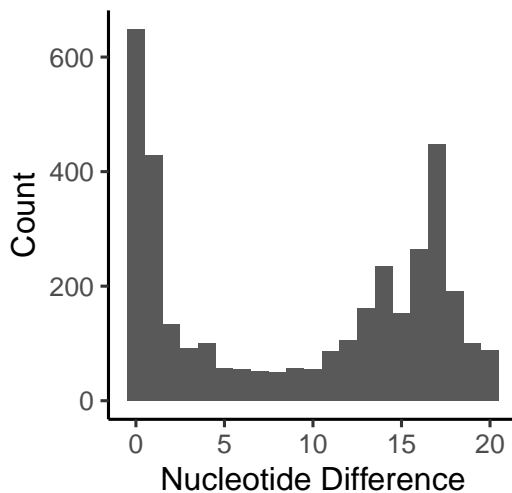
IGHV4-34*01_02

16021 sequences assigned
4680 (29.2%) exact matches, in which:
4203 unique CDR3
7 unique J



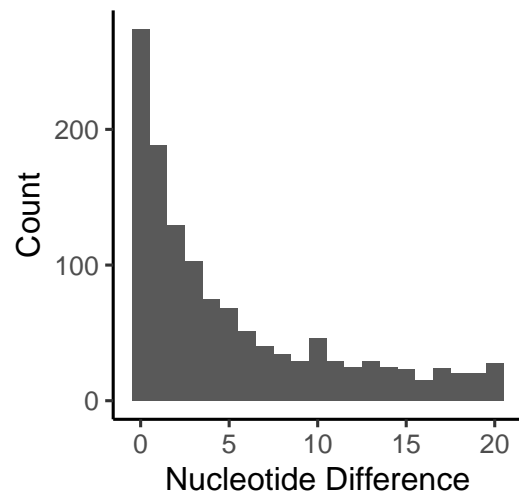
IGHV4-39*01_05

4334 sequences assigned
649 (15%) exact matches, in which:
608 unique CDR3
7 unique J



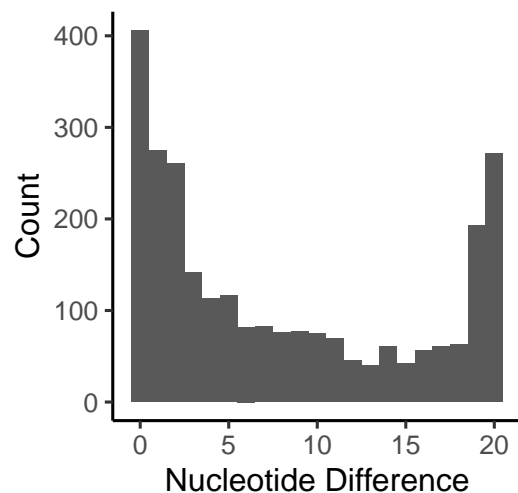
IGHV4-61*01

1451 sequences assigned
274 (18.9%) exact matches, in which:
260 unique CDR3
7 unique J



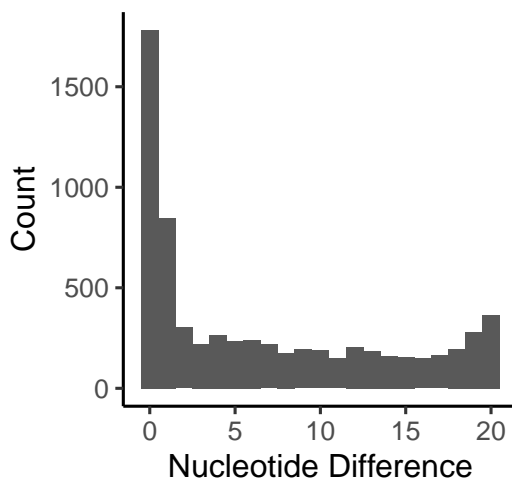
IGHV4-38-2*02

3036 sequences assigned
406 (13.4%) exact matches, in which:
383 unique CDR3
7 unique J



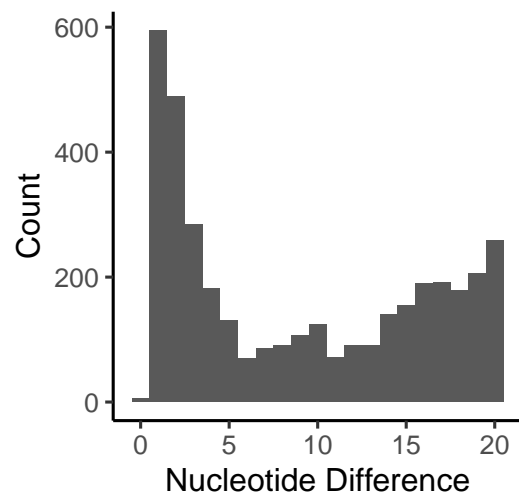
IGHV4-59*01_07

10750 sequences assigned
1782 (16.6%) exact matches, in which:
1672 unique CDR3
7 unique J



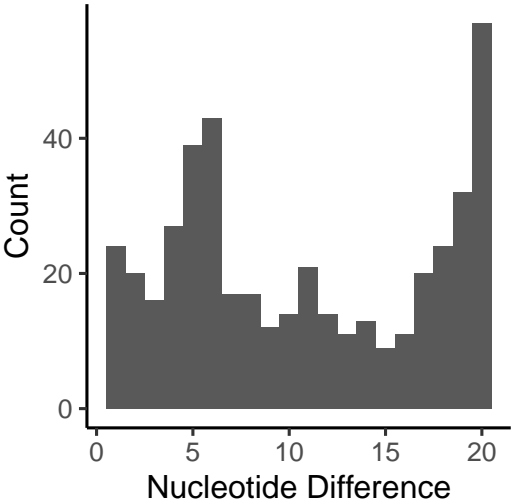
IGHV4-61*02

5679 sequences assigned
6 (0.1%) exact matches, in which:
6 unique CDR3
4 unique J



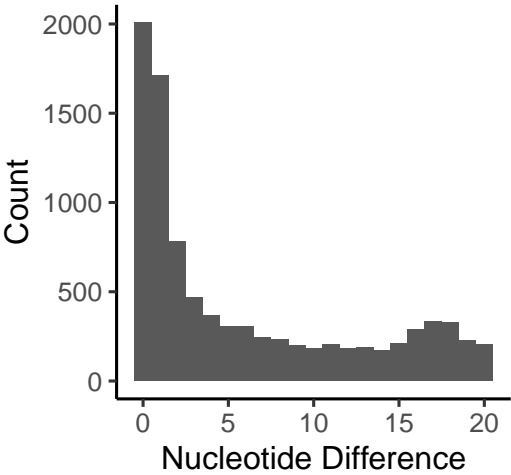
IGHV4–61*08

2206 sequences assigned
No exact matches.



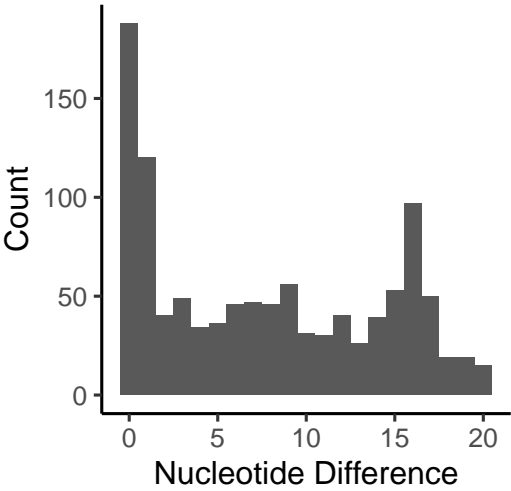
IGHV5–51*01_03

9886 sequences assigned
2007 (20.3%) exact matches, in which:
1763 unique CDR3
7 unique J

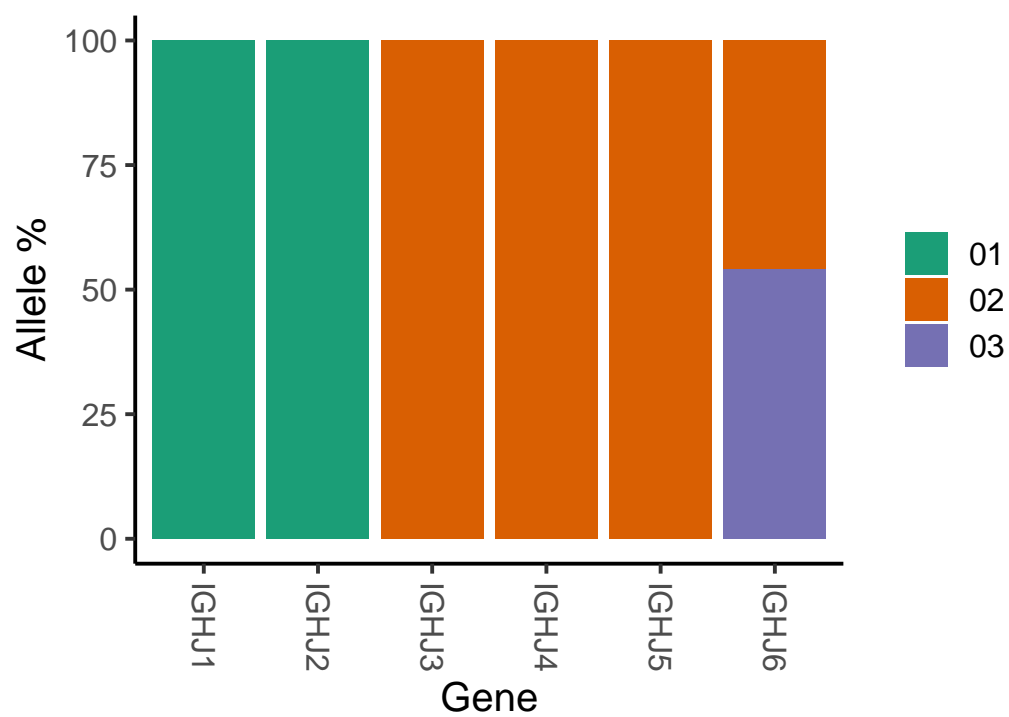


IGHV6–1*01_02

1121 sequences assigned
188 (16.8%) exact matches, in which:
178 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



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)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)IGHV7–4–1*02_T63C are not listed in the genotype and will be ignored.

Novel sequence(s)IGHV7–4–1*02_T63C are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning:IGHV4–31*02,IGHV4–31*03_04 have identical germline sequences.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning:IGHV4–31*02,IGHV4–31*03_04 have identical germline sequences.