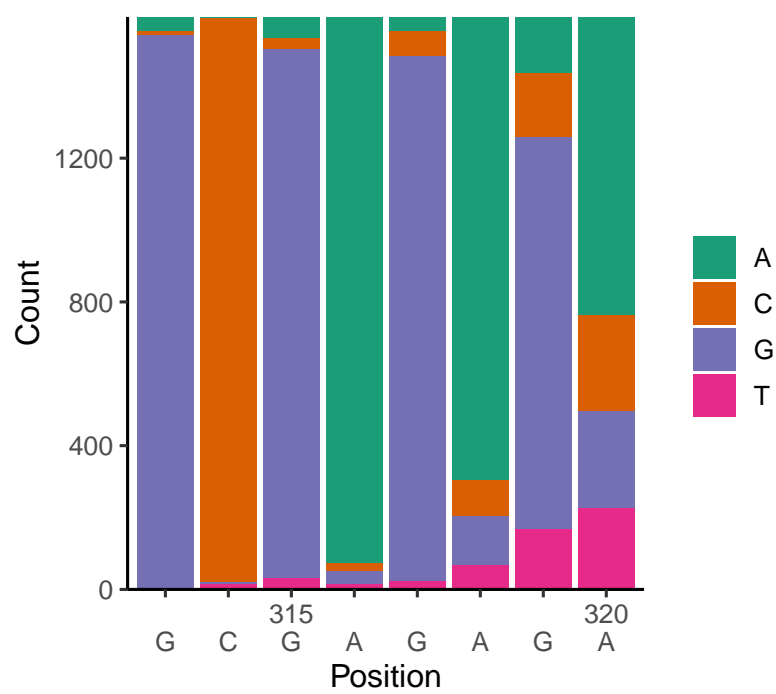
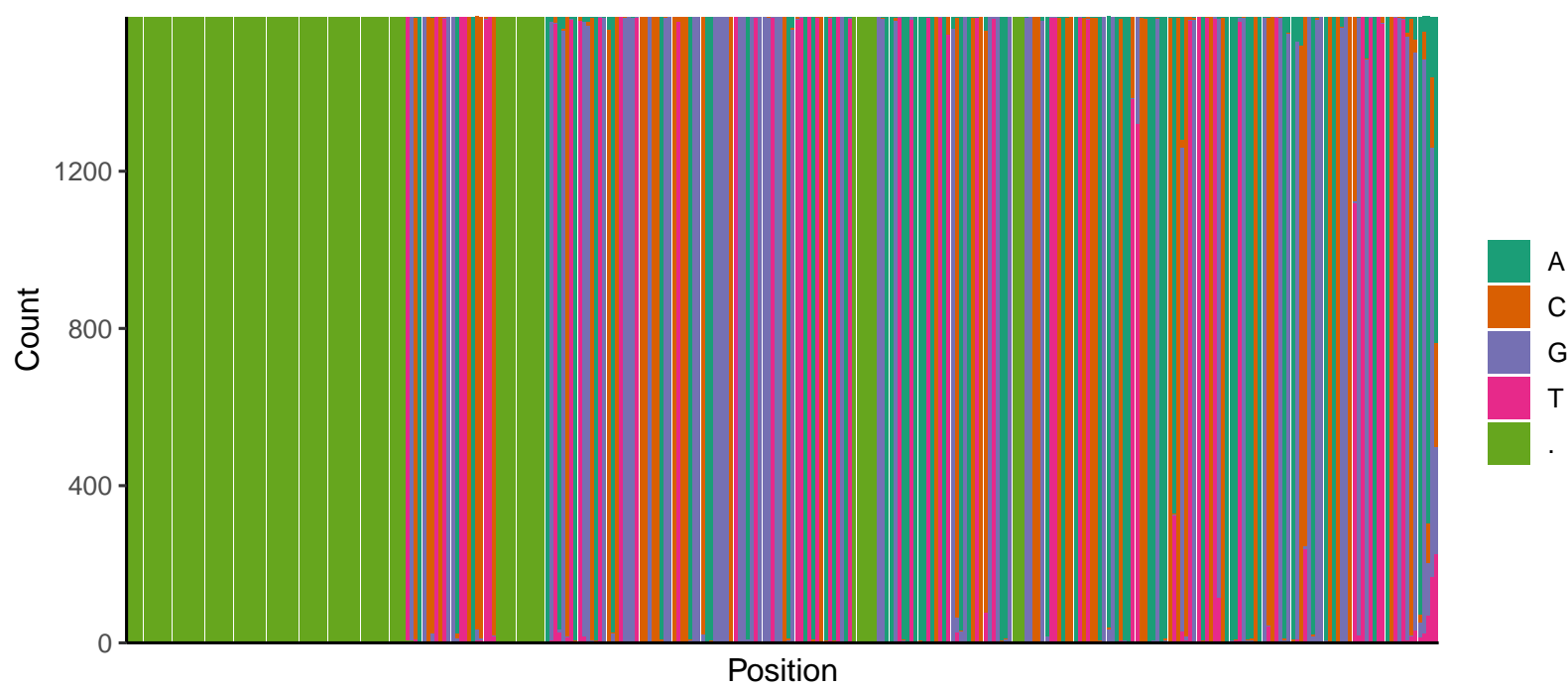


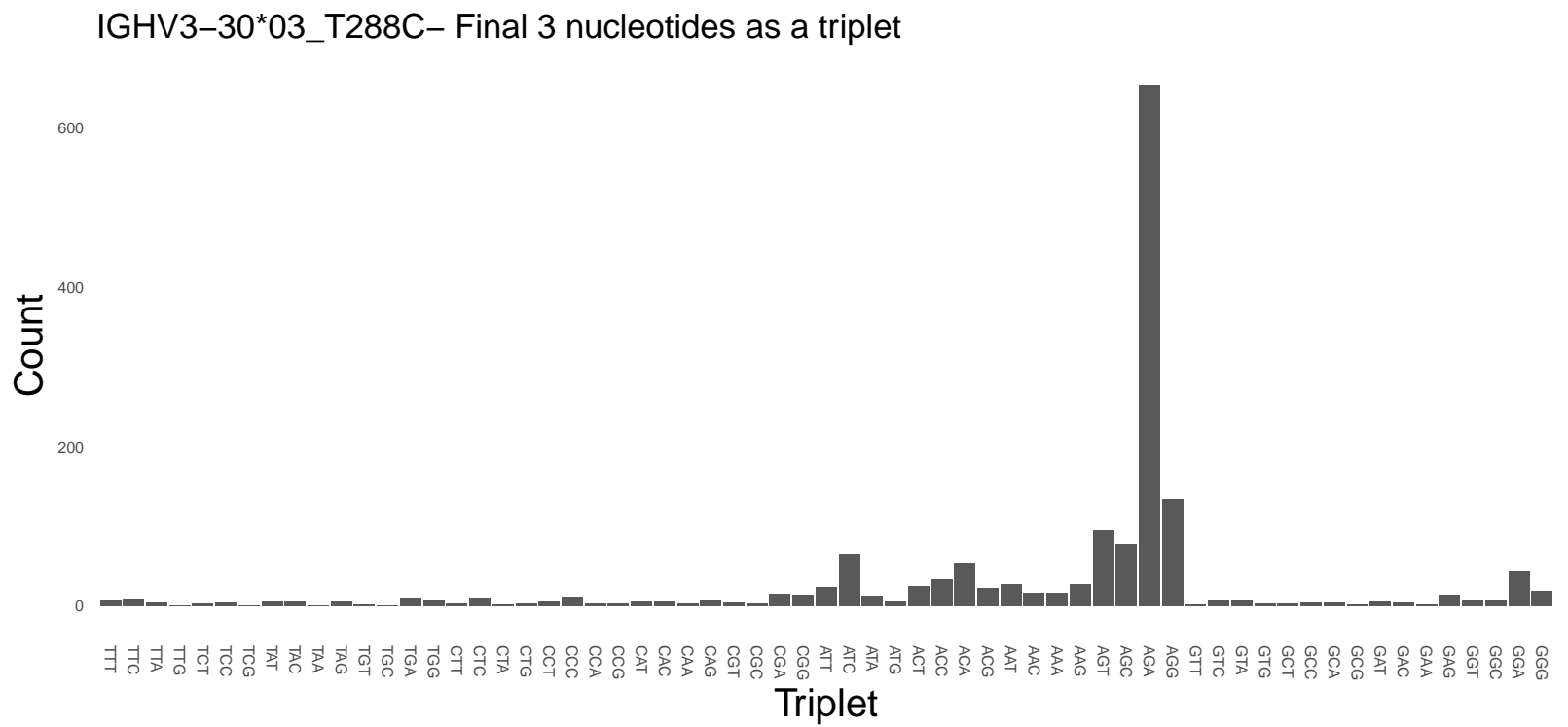
Gene IGHV3-30*03_T288C



Gene IGHV3-30*03_T288C

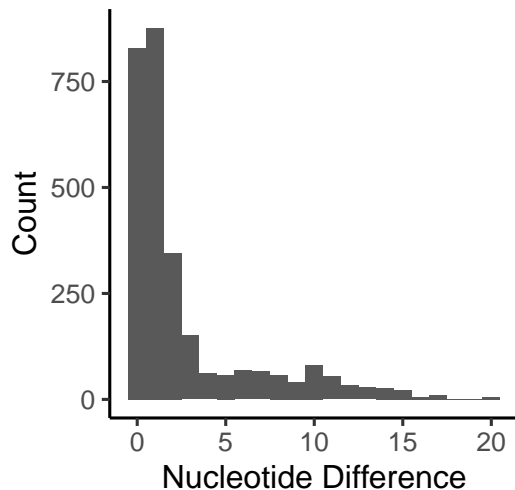


IGHV3-30*03_T288C- Final 3 nucleotides as a triplet



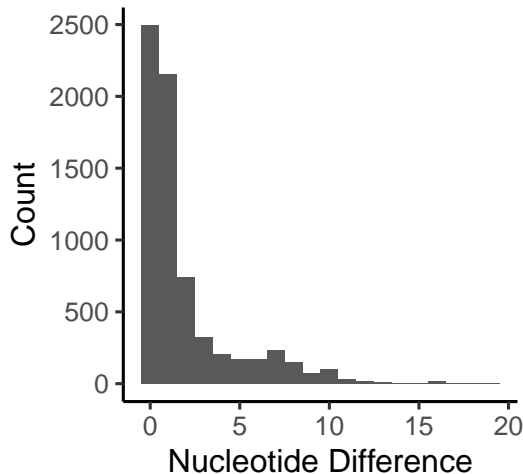
IGHV1-2*04

2827 sequences assigned
829 (29.3%) exact matches, in which:
710 unique CDR3
6 unique J



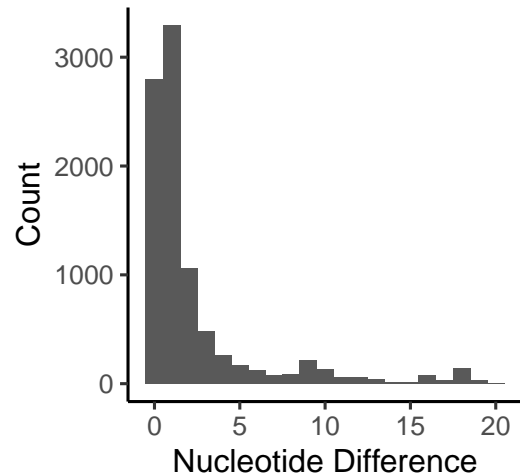
IGHV1-8*01

6926 sequences assigned
2494 (36%) exact matches, in which:
2169 unique CDR3
6 unique J



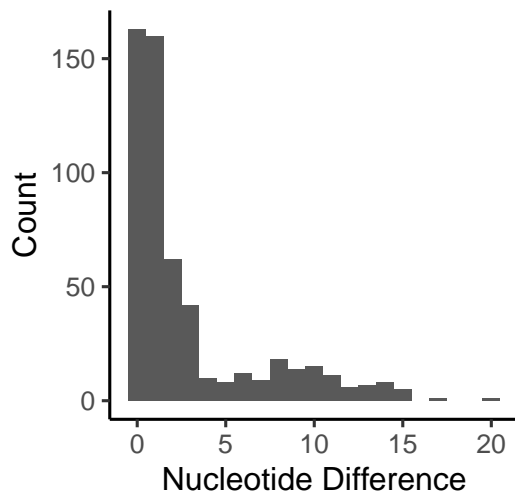
IGHV1-24*01

9201 sequences assigned
2795 (30.4%) exact matches, in which:
2392 unique CDR3
6 unique J



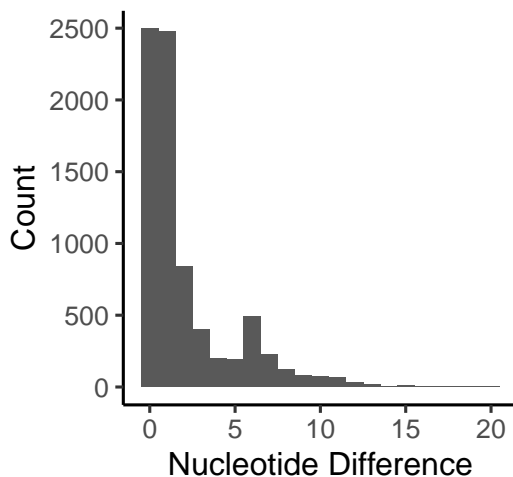
IGHV1-2*05

552 sequences assigned
163 (29.5%) exact matches, in which:
147 unique CDR3
4 unique J



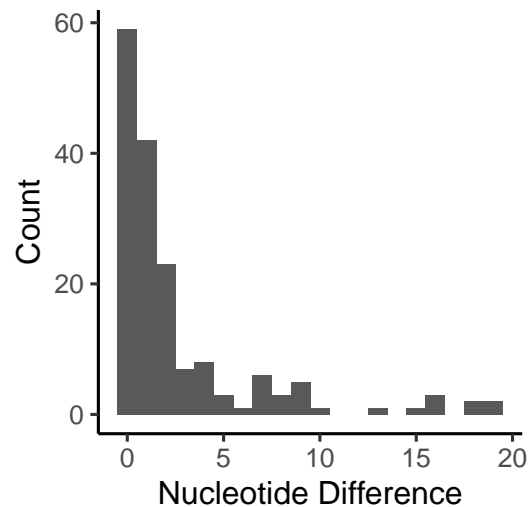
IGHV1-18*01

7768 sequences assigned
2496 (32.1%) exact matches, in which:
2161 unique CDR3
6 unique J



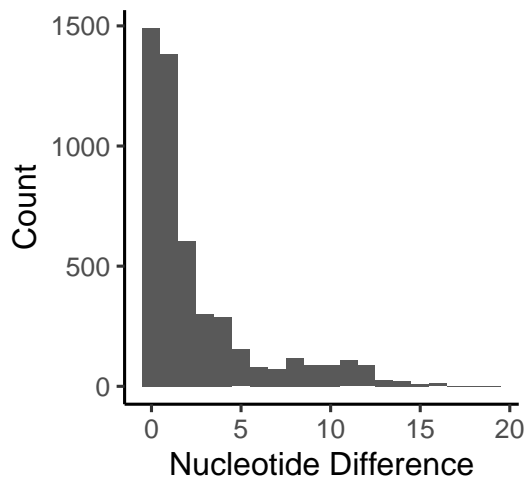
IGHV1-45*02

167 sequences assigned
59 (35.3%) exact matches, in which:
52 unique CDR3
4 unique J



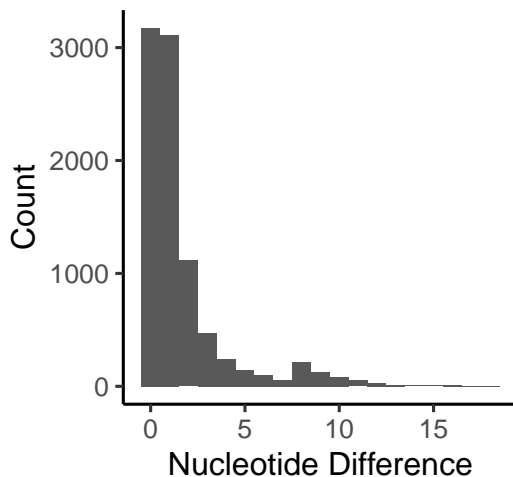
IGHV1-3*01_05

4943 sequences assigned
1491 (30.2%) exact matches, in which:
1326 unique CDR3
6 unique J



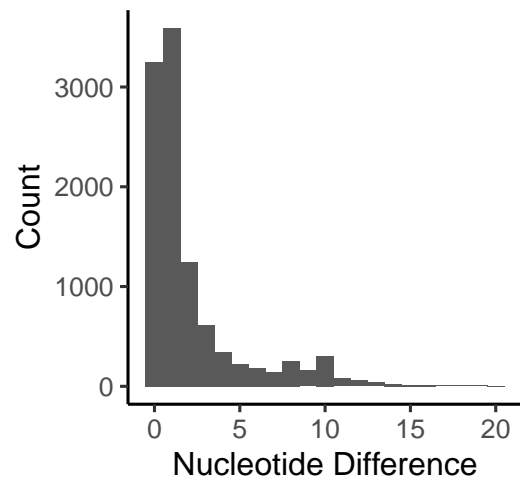
IGHV1-18*04

8967 sequences assigned
3173 (35.4%) exact matches, in which:
2725 unique CDR3
6 unique J



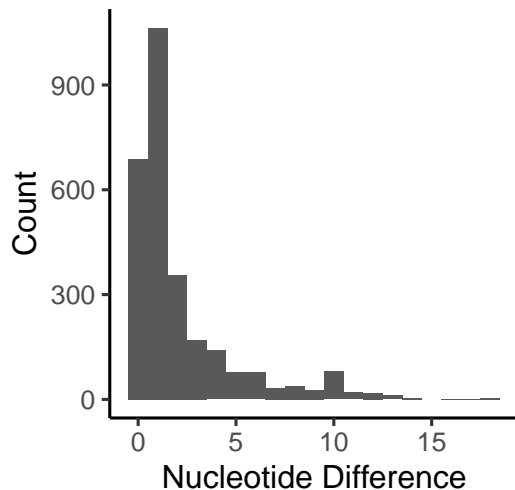
IGHV1-46*01

10584 sequences assigned
3250 (30.7%) exact matches, in which:
2841 unique CDR3
6 unique J



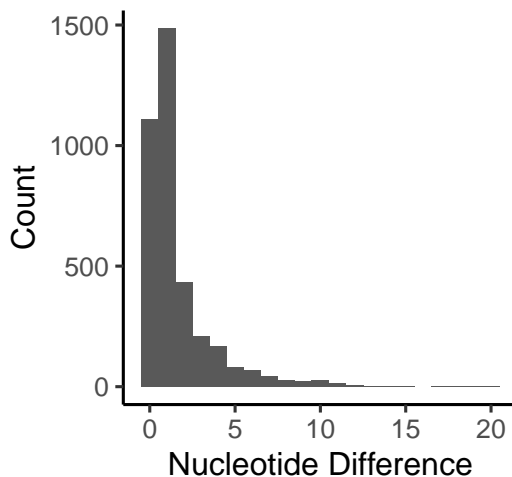
IGHV1–46*03

2816 sequences assigned
688 (24.4%) exact matches, in which:
559 unique CDR3
6 unique J



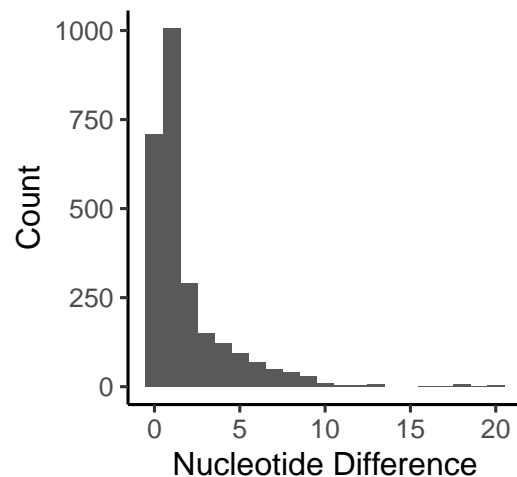
IGHV2–5*01

3739 sequences assigned
1109 (29.7%) exact matches, in which:
911 unique CDR3
6 unique J



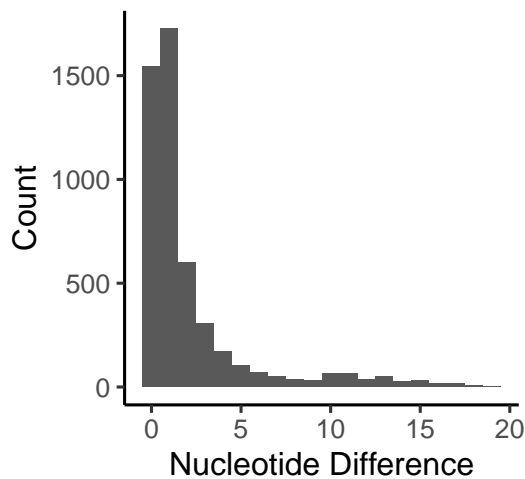
IGHV2–70*01

2635 sequences assigned
710 (26.9%) exact matches, in which:
607 unique CDR3
6 unique J



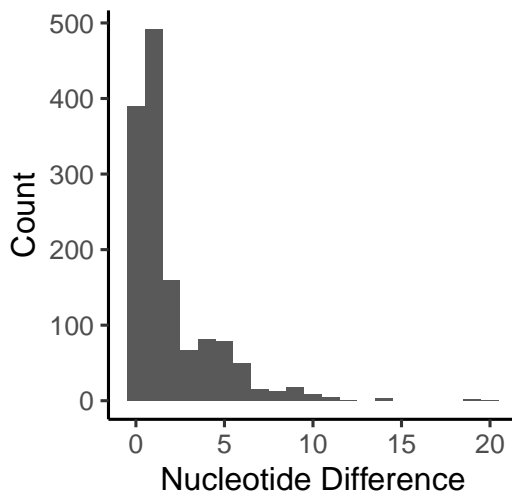
IGHV1–58*01_03

4950 sequences assigned
1544 (31.2%) exact matches, in which:
1273 unique CDR3
6 unique J



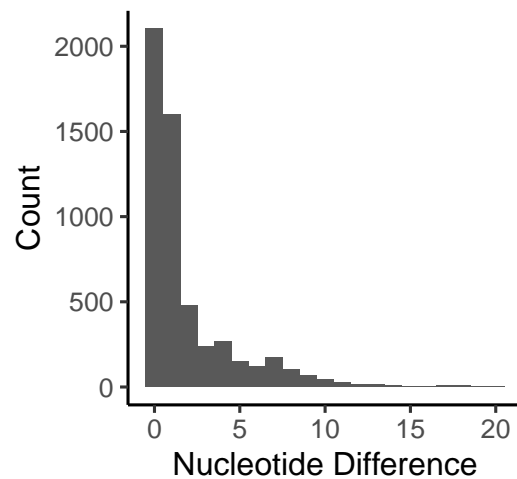
IGHV2–5*02

1391 sequences assigned
390 (28%) exact matches, in which:
326 unique CDR3
6 unique J



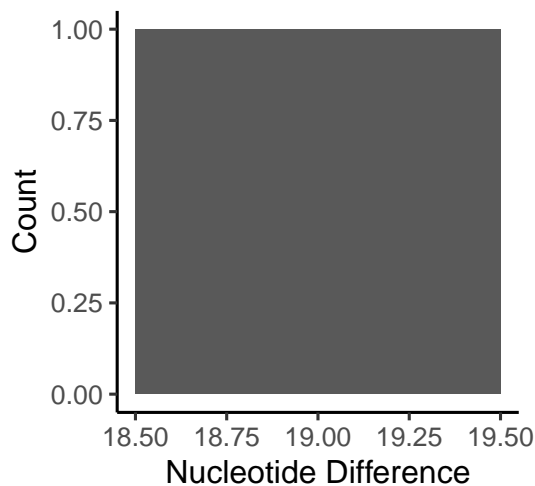
IGHV3–7*01

5438 sequences assigned
2103 (38.7%) exact matches, in which:
1873 unique CDR3
6 unique J



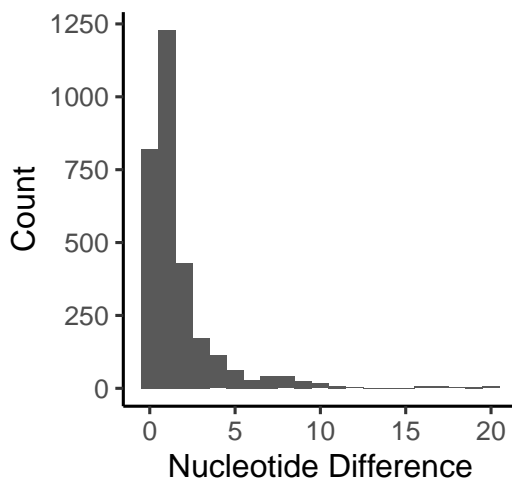
IGHV1–69–2*01

1 sequences assigned
No exact matches.



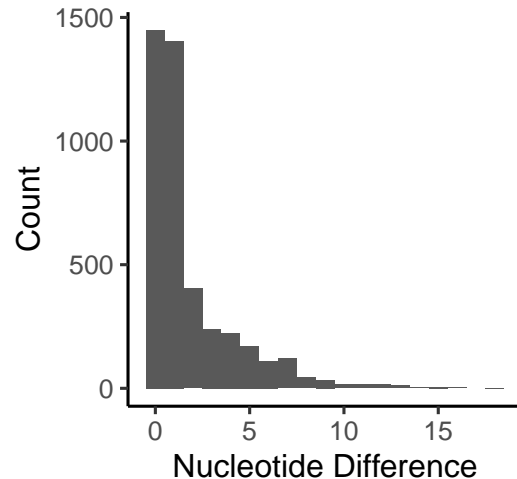
IGHV2–26*01

3061 sequences assigned
820 (26.8%) exact matches, in which:
658 unique CDR3
6 unique J



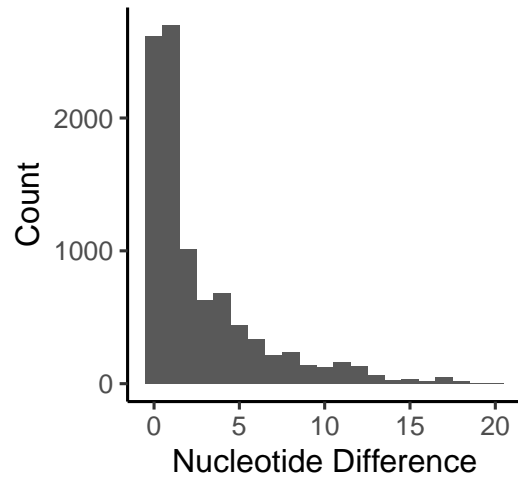
IGHV3–7*03

4278 sequences assigned
1449 (33.9%) exact matches, in which:
1289 unique CDR3
6 unique J



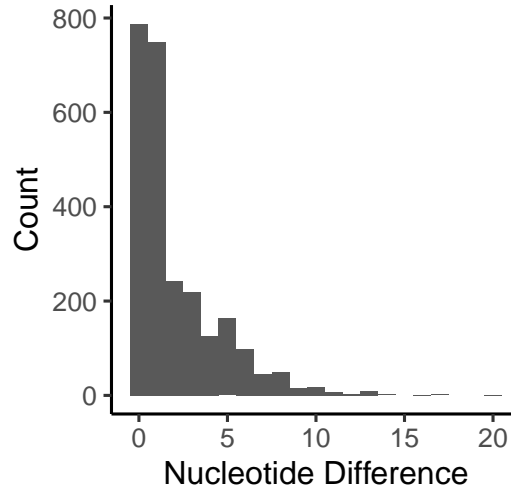
IGHV3-9*01

9655 sequences assigned
2615 (27.1%) exact matches, in which:
2227 unique CDR3
6 unique J



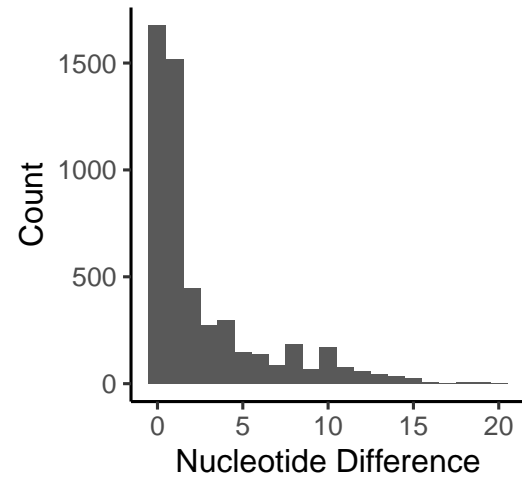
IGHV3-11*06

2546 sequences assigned
788 (31%) exact matches, in which:
689 unique CDR3
6 unique J



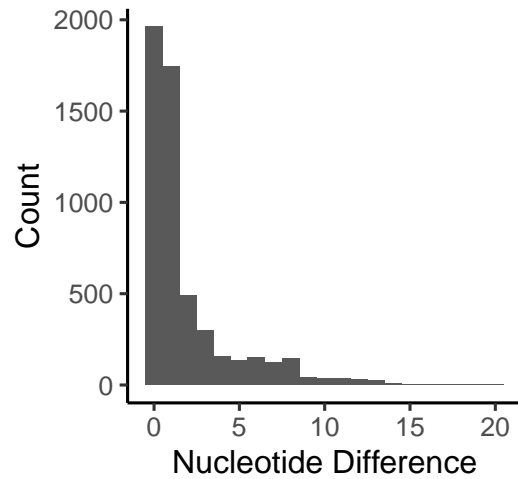
IGHV3-15*01_02

5282 sequences assigned
1676 (31.7%) exact matches, in which:
1411 unique CDR3
6 unique J



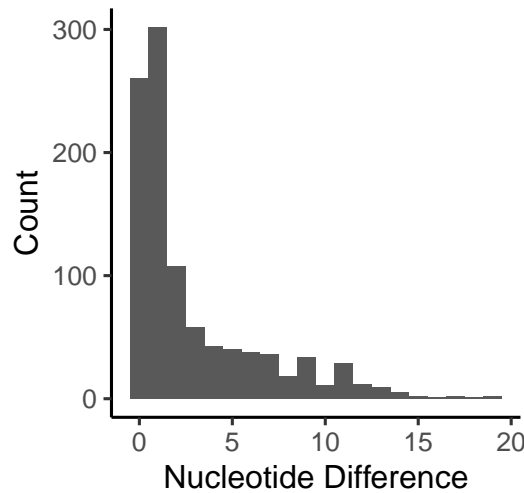
IGHV3-11*01

5393 sequences assigned
1962 (36.4%) exact matches, in which:
1700 unique CDR3
6 unique J



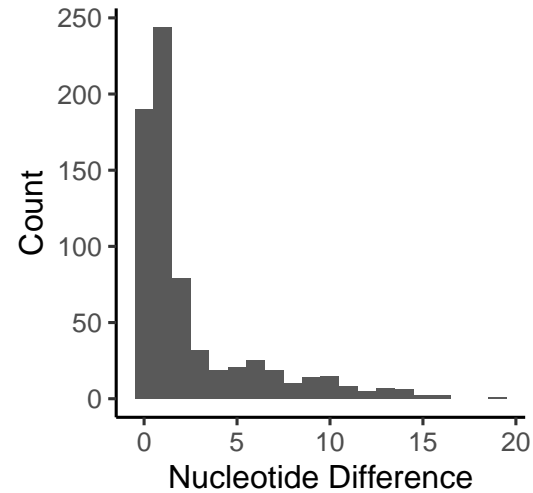
IGHV3-13*01

1013 sequences assigned
260 (25.7%) exact matches, in which:
222 unique CDR3
6 unique J



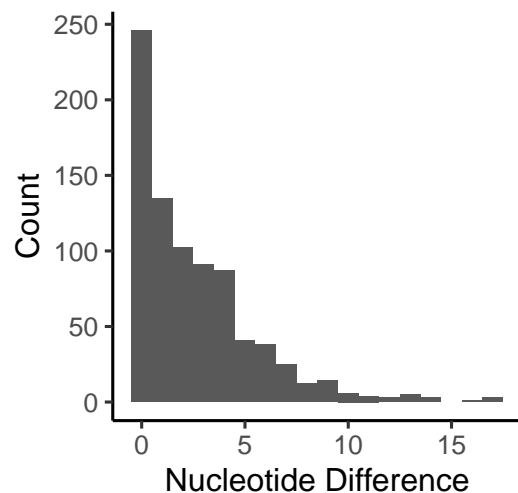
IGHV3-20*01_02

700 sequences assigned
190 (27.1%) exact matches, in which:
168 unique CDR3
5 unique J



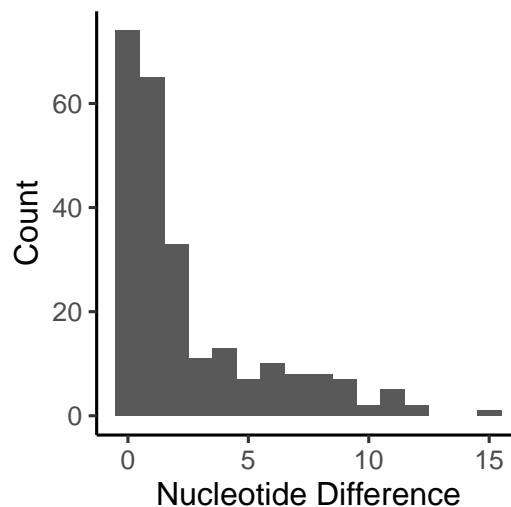
IGHV3-11*04

816 sequences assigned
246 (30.1%) exact matches, in which:
245 unique CDR3
6 unique J



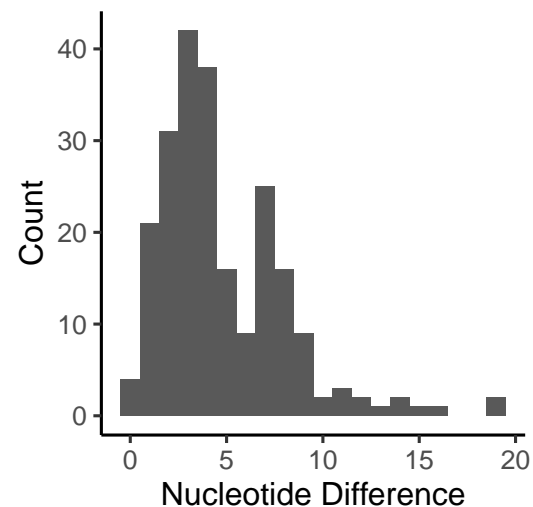
IGHV3-13*05

246 sequences assigned
74 (30.1%) exact matches, in which:
65 unique CDR3
5 unique J



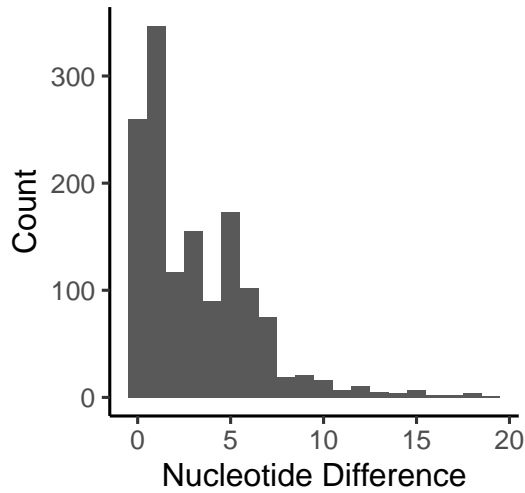
IGHV3-20*03_04

226 sequences assigned
4 (1.8%) exact matches, in which:
4 unique CDR3
3 unique J



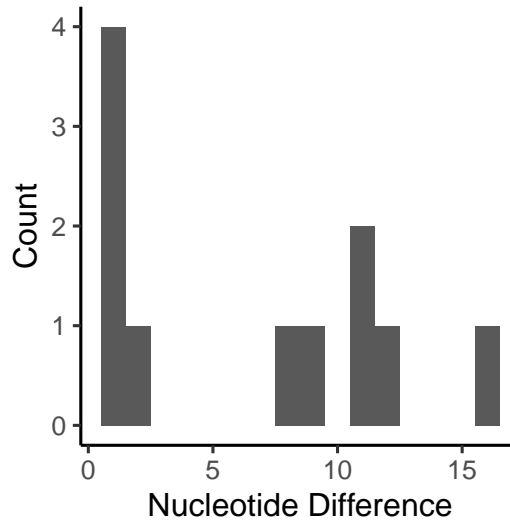
IGHV3-21*04

1421 sequences assigned
260 (18.3%) exact matches, in which:
260 unique CDR3
6 unique J



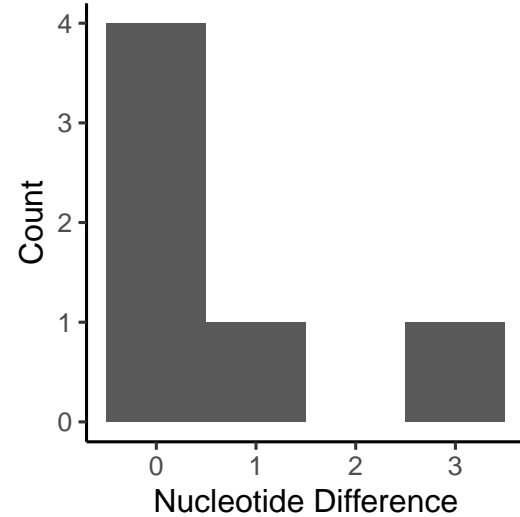
IGHV3-30-3*03

11 sequences assigned
No exact matches.



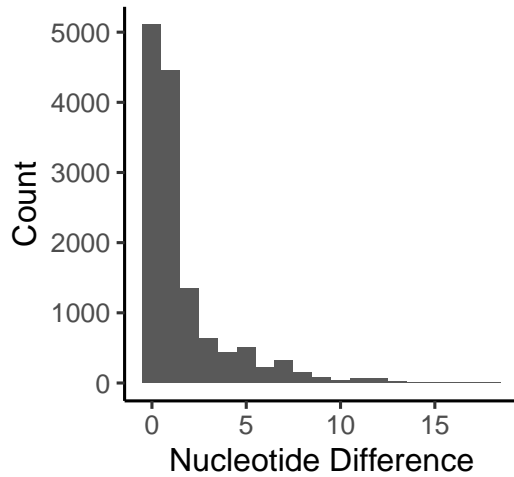
IGHV3-35*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
2 unique J



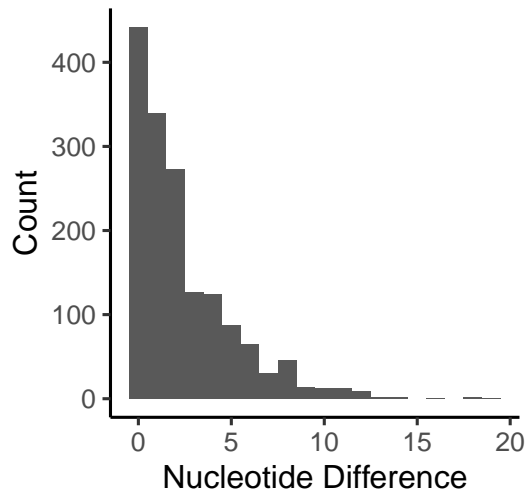
IGHV3-21*01_02

13509 sequences assigned
5106 (37.8%) exact matches, in which:
4351 unique CDR3
6 unique J



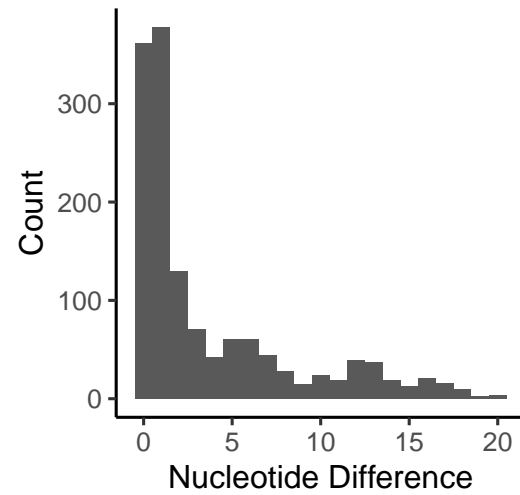
IGHV3-30*03_T288C

1593 sequences assigned
442 (27.7%) exact matches, in which:
437 unique CDR3
6 unique J



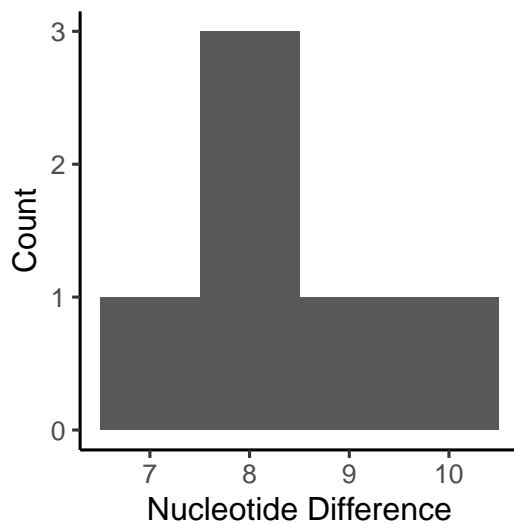
IGHV3-43*01

1405 sequences assigned
361 (25.7%) exact matches, in which:
307 unique CDR3
6 unique J



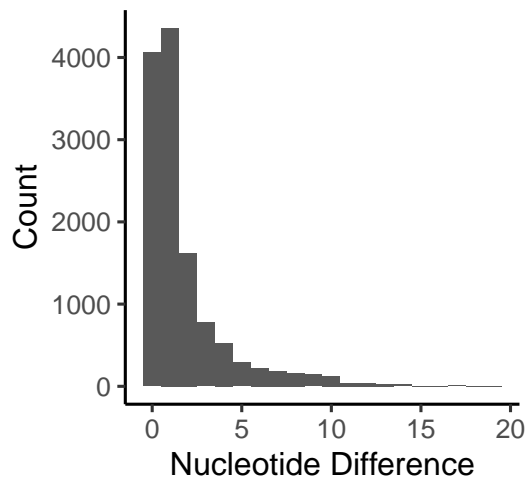
IGHV3-22*01_02

6 sequences assigned
No exact matches.



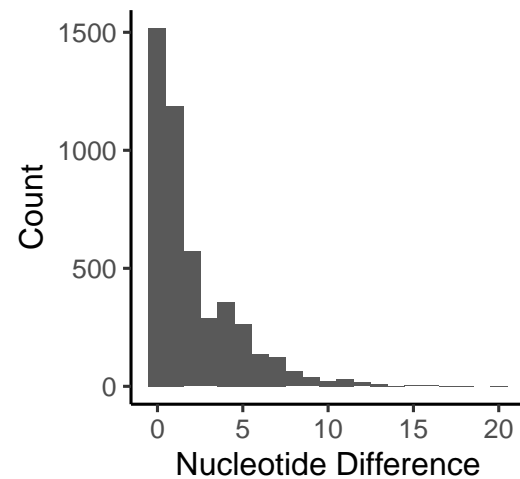
IGHV3-33*01

12634 sequences assigned
4061 (32.1%) exact matches, in which:
3498 unique CDR3
6 unique J



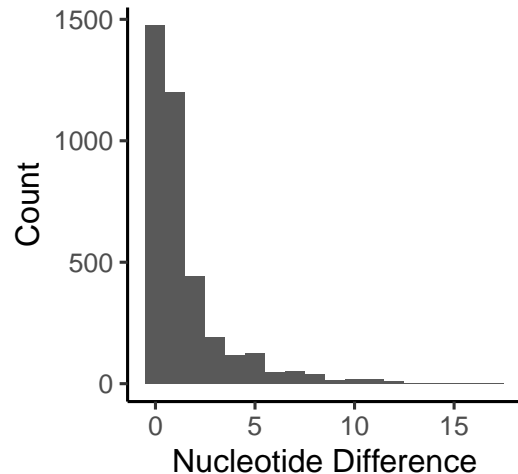
IGHV3-48*01

4645 sequences assigned
1518 (32.7%) exact matches, in which:
1305 unique CDR3
6 unique J



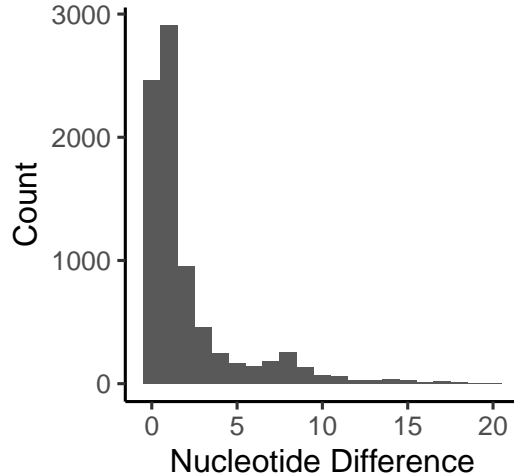
IGHV3-48*02

3771 sequences assigned
1475 (39.1%) exact matches, in which:
1245 unique CDR3
6 unique J



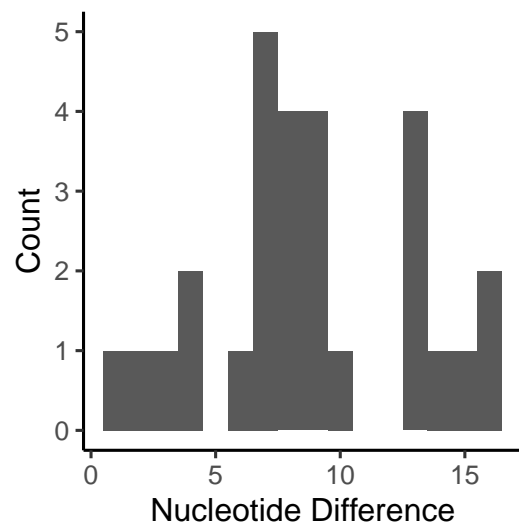
IGHV3-53*01_02

8221 sequences assigned
2465 (30%) exact matches, in which:
2062 unique CDR3
6 unique J



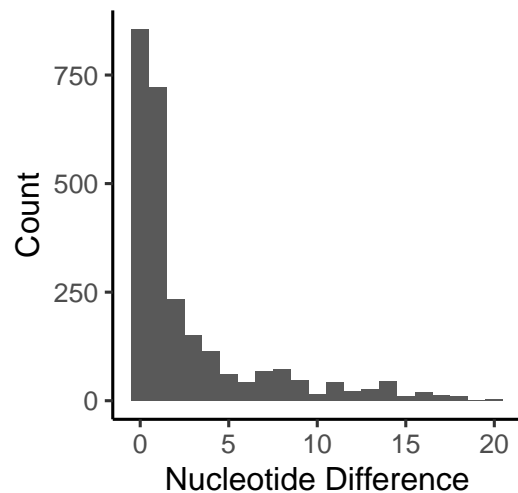
IGHV3-66*01

28 sequences assigned
No exact matches.



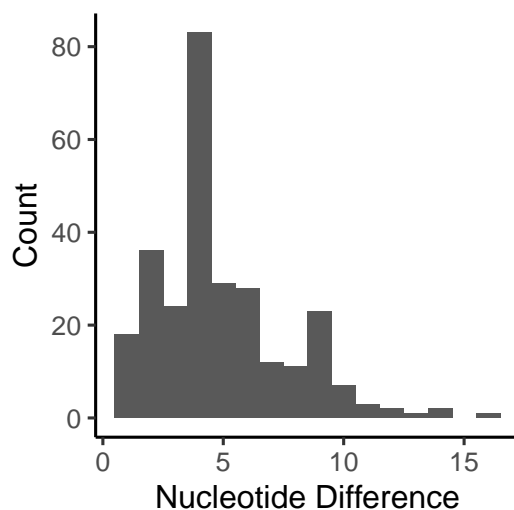
IGHV3-49*03_05

2579 sequences assigned
856 (33.2%) exact matches, in which:
705 unique CDR3
6 unique J



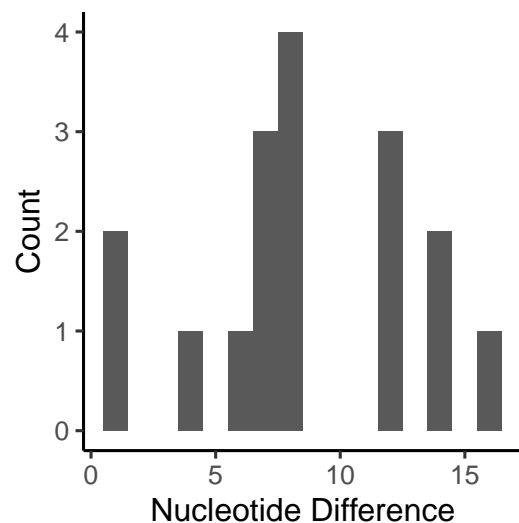
IGHV3-64*04

282 sequences assigned
No exact matches.



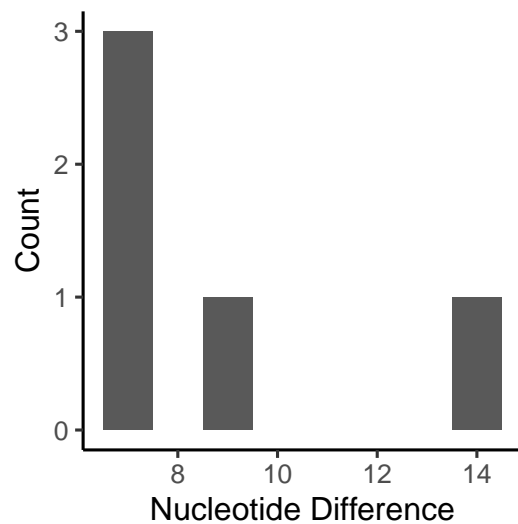
IGHV3-66*02

17 sequences assigned
No exact matches.



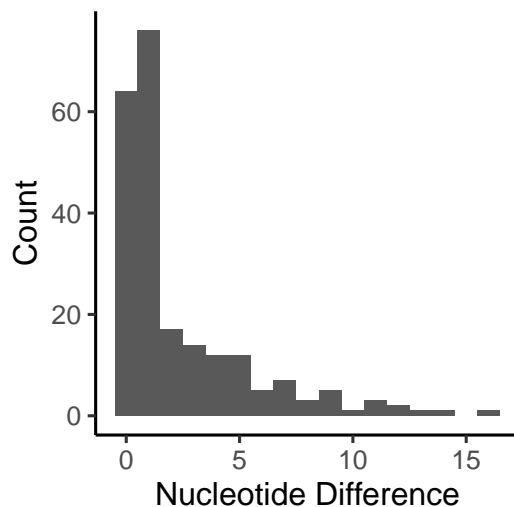
IGHV3-52*01_03

5 sequences assigned
No exact matches.



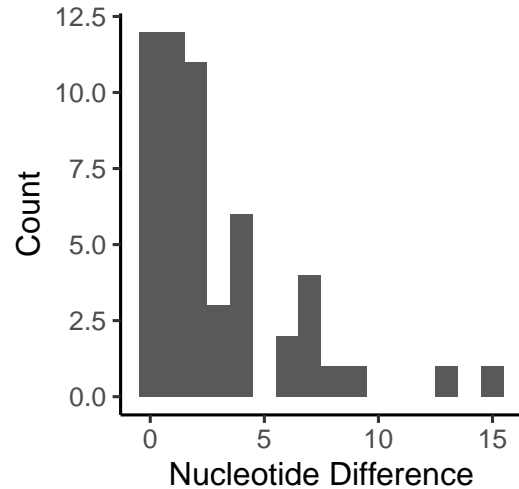
IGHV3-64*02_07

224 sequences assigned
64 (28.6%) exact matches, in which:
56 unique CDR3
5 unique J



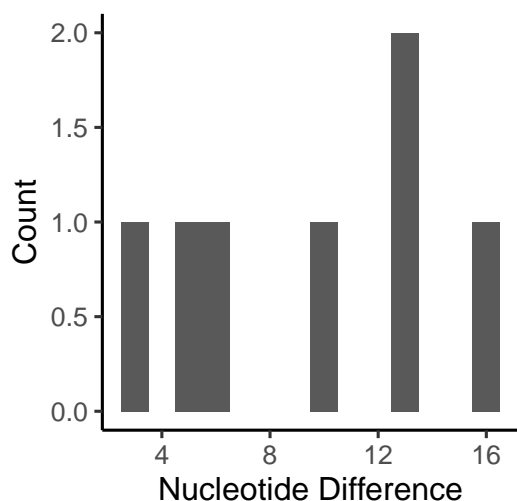
IGHV3-66*03

54 sequences assigned
12 (22.2%) exact matches, in which:
12 unique CDR3
4 unique J



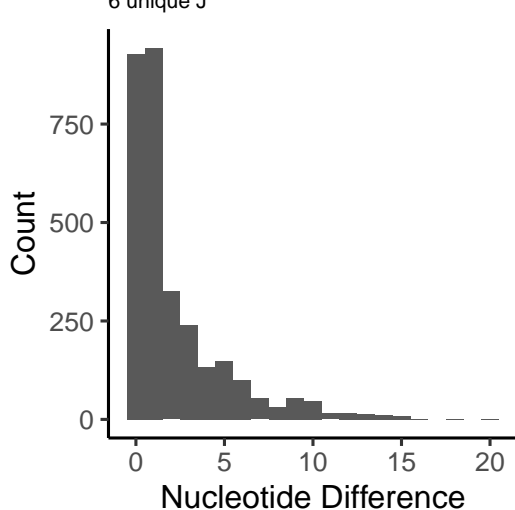
IGHV3-69-1*01

7 sequences assigned
No exact matches.



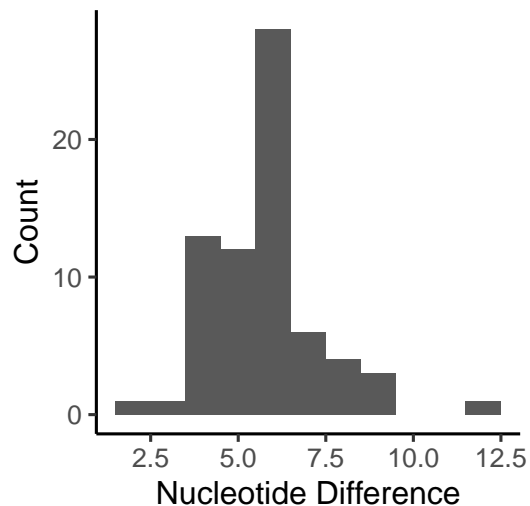
IGHV3-74*01_02

3074 sequences assigned
927 (30.2%) exact matches, in which:
804 unique CDR3
6 unique J



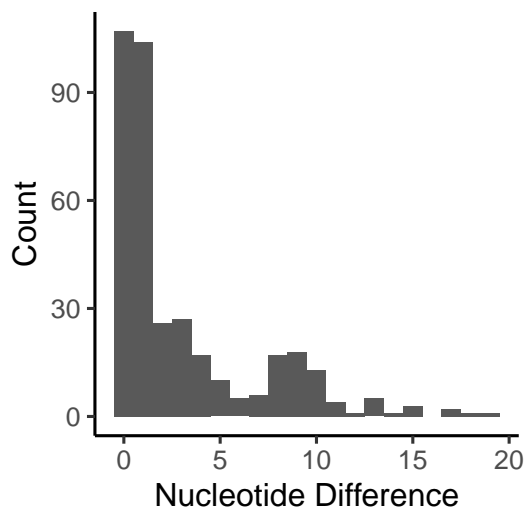
IGHV3-NL1*01

69 sequences assigned
No exact matches.



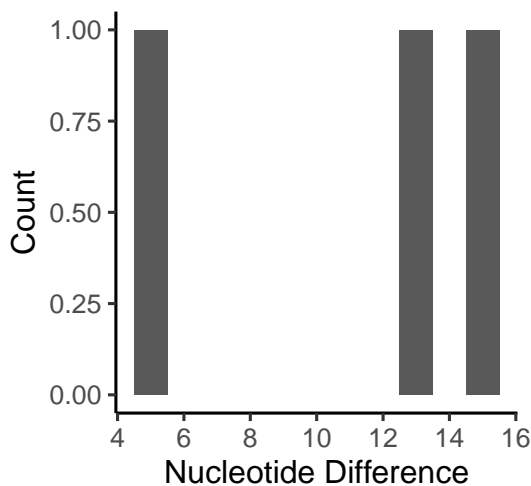
IGHV3-72*01

373 sequences assigned
107 (28.7%) exact matches, in which:
93 unique CDR3
6 unique J



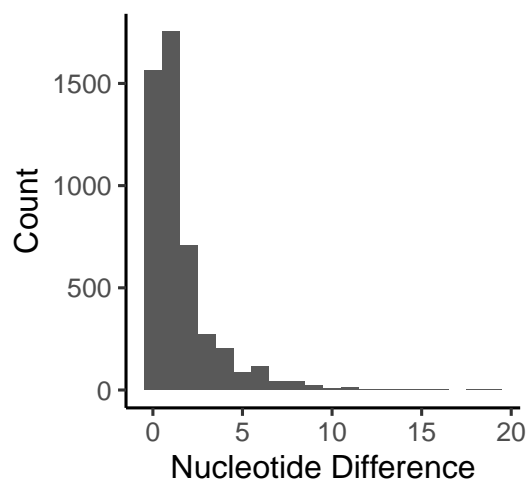
IGHV3-43D*04

3 sequences assigned
No exact matches.



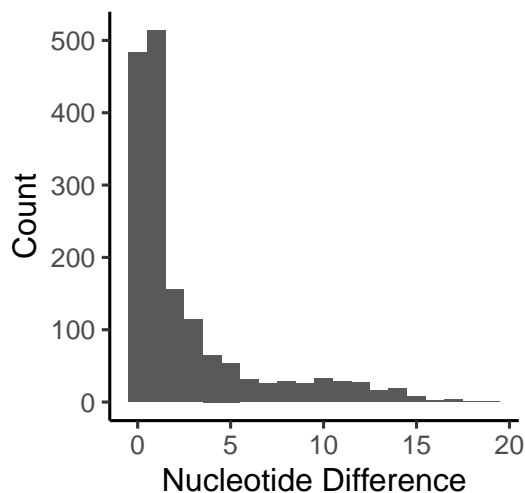
IGHV4-4*07

4851 sequences assigned
1563 (32.2%) exact matches, in which:
1277 unique CDR3
6 unique J



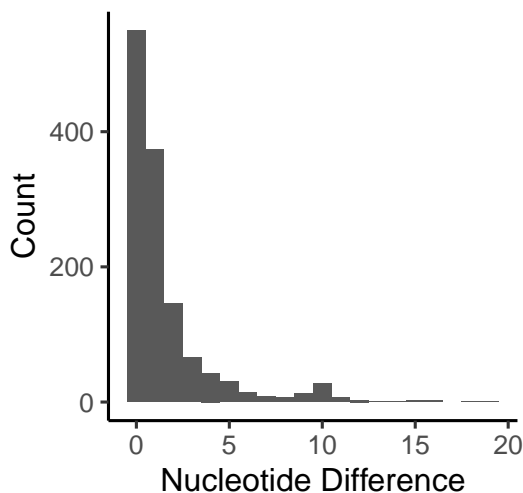
IGHV3-73*01_02

1636 sequences assigned
483 (29.5%) exact matches, in which:
424 unique CDR3
6 unique J



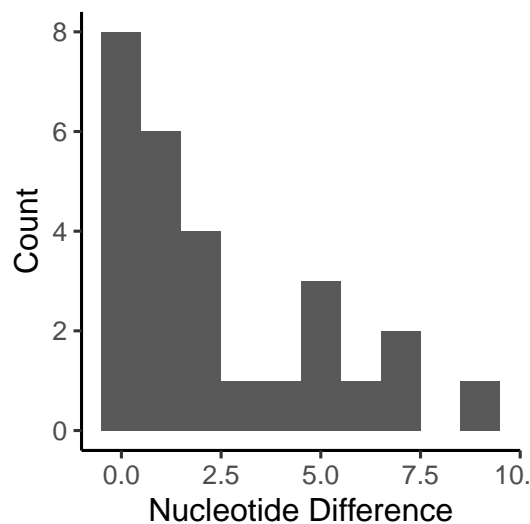
IGHV3-64D*06

1298 sequences assigned
550 (42.4%) exact matches, in which:
447 unique CDR3
6 unique J



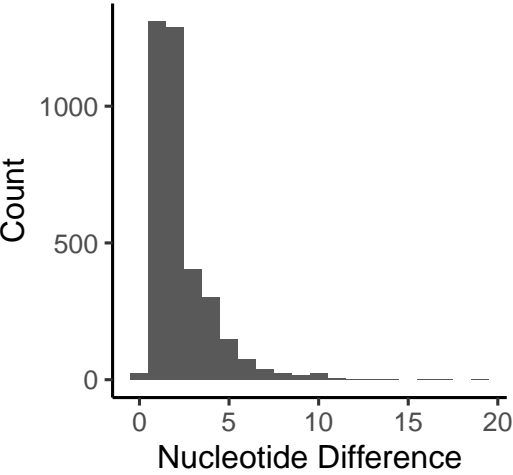
IGHV4-28*03

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



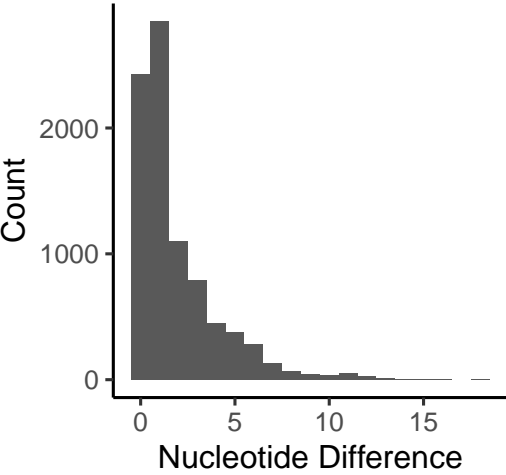
IGHV4-30-2*01

3671 sequences assigned
23 (0.6%) exact matches, in which:
23 unique CDR3
5 unique J



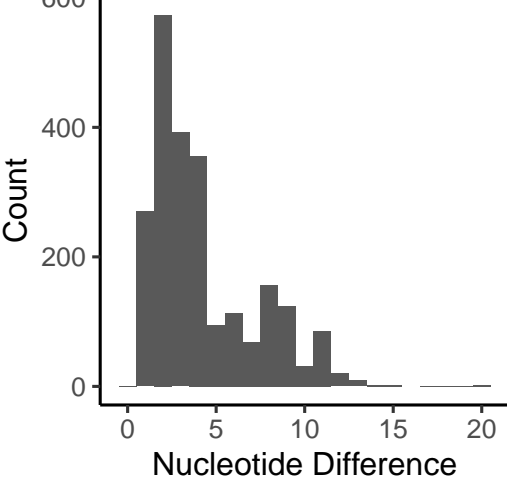
IGHV4-31*03_04

8653 sequences assigned
2424 (28%) exact matches, in which:
2019 unique CDR3
6 unique J



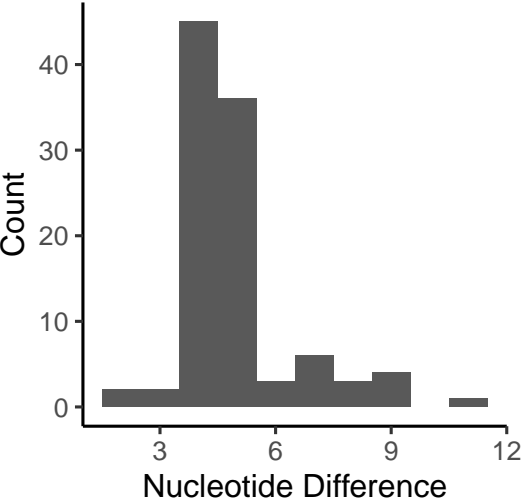
IGHV4-39*07

2322 sequences assigned
1 (0%) exact matches, in which:
1 unique CDR3
1 unique J



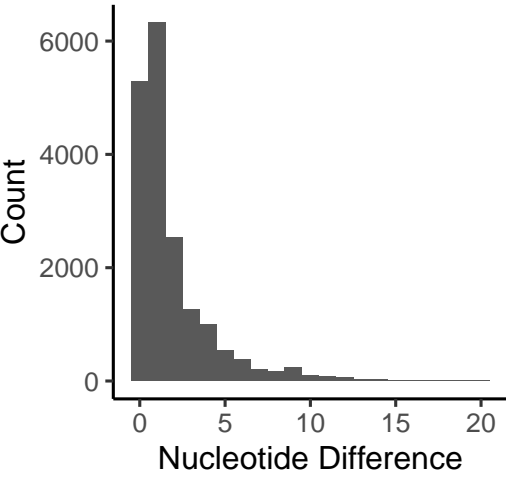
IGHV4-30-4*07

102 sequences assigned
No exact matches.



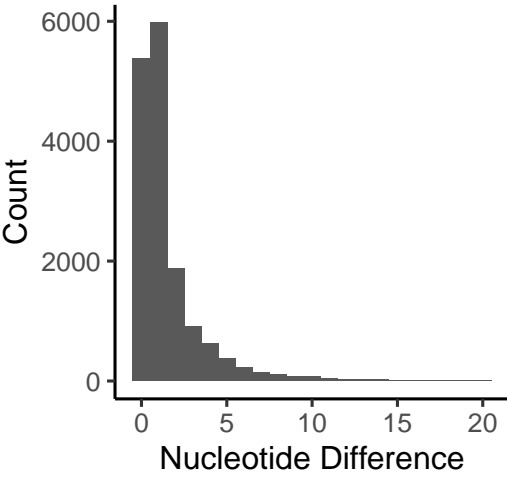
IGHV4-34*01_02

18250 sequences assigned
5284 (29%) exact matches, in which:
4413 unique CDR3
6 unique J



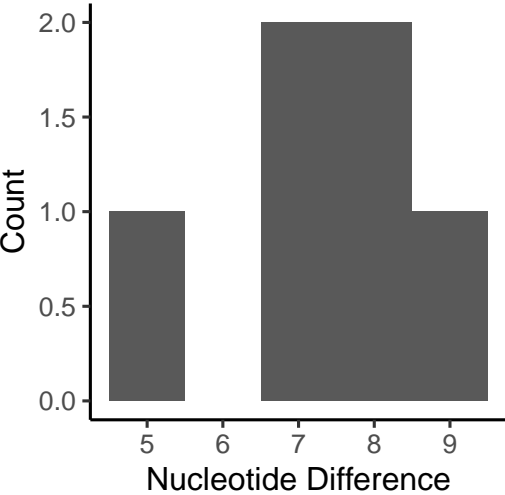
IGHV4-39*01_05

15911 sequences assigned
5380 (33.8%) exact matches, in which:
4317 unique CDR3
6 unique J



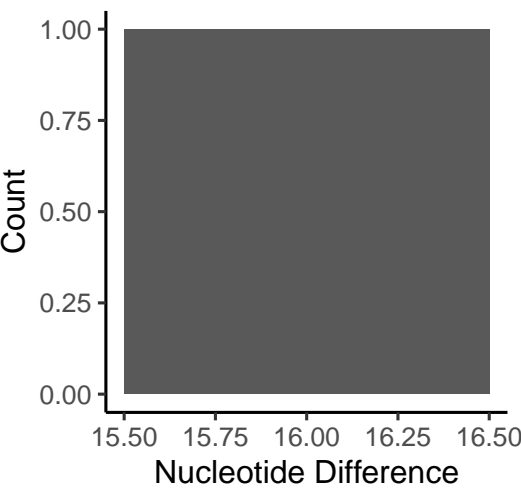
IGHV4-30-4*08

6 sequences assigned
No exact matches.



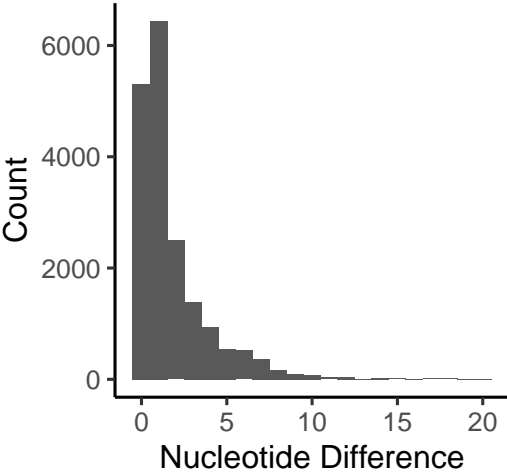
IGHV4-38-2*01

1 sequences assigned
No exact matches.



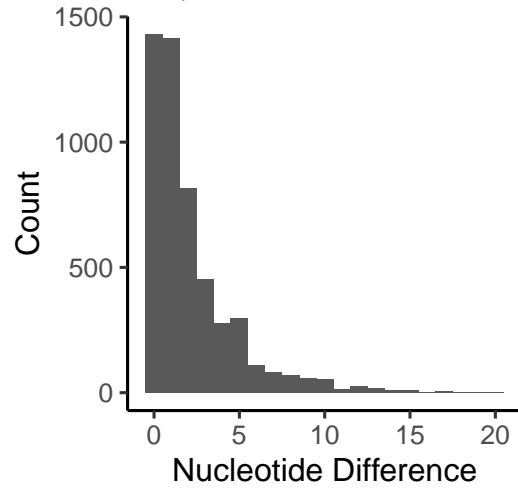
IGHV4-59*01_07

18490 sequences assigned
5305 (28.7%) exact matches, in which:
4346 unique CDR3
6 unique J



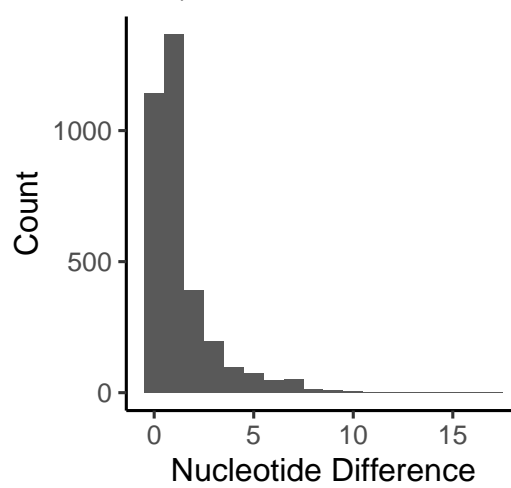
IGHV4-61*01

5152 sequences assigned
1430 (27.8%) exact matches, in which:
1276 unique CDR3
6 unique J



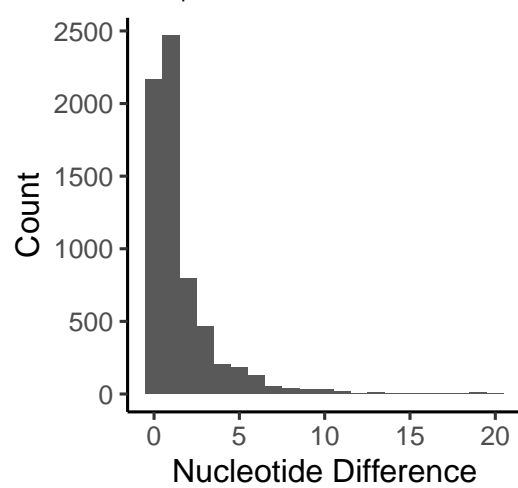
IGHV6-1*01_02

3421 sequences assigned
1143 (33.4%) exact matches, in which:
927 unique CDR3
6 unique J



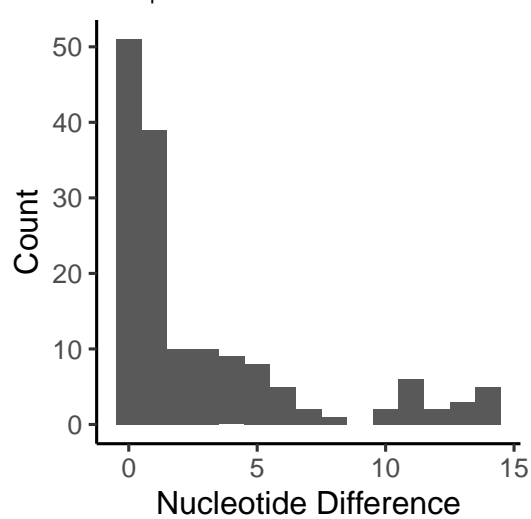
IGHV5-10-1*01_03

6634 sequences assigned
2169 (32.7%) exact matches, in which:
1842 unique CDR3
6 unique J



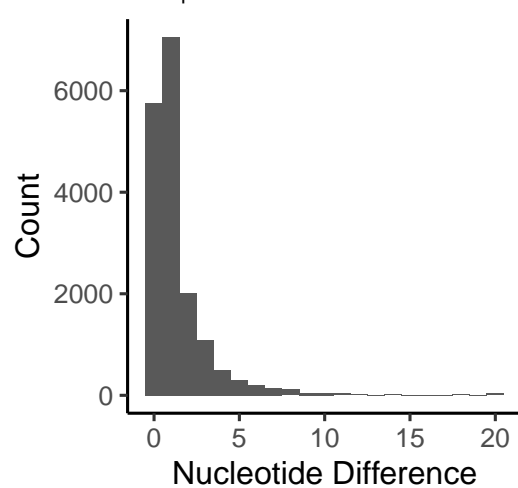
IGHV7-4-1*01

153 sequences assigned
51 (33.3%) exact matches, in which:
45 unique CDR3
5 unique J



IGHV5-51*01_03

17449 sequences assigned
5751 (33%) exact matches, in which:
4660 unique CDR3
6 unique J





Novel sequence(s)IGHV1-69*08_C191TIGHV3-11*06_T300CIGHV4-59*02_G88AIGHV5-51*07_A128G are not listed in the genotype and will be ignored.