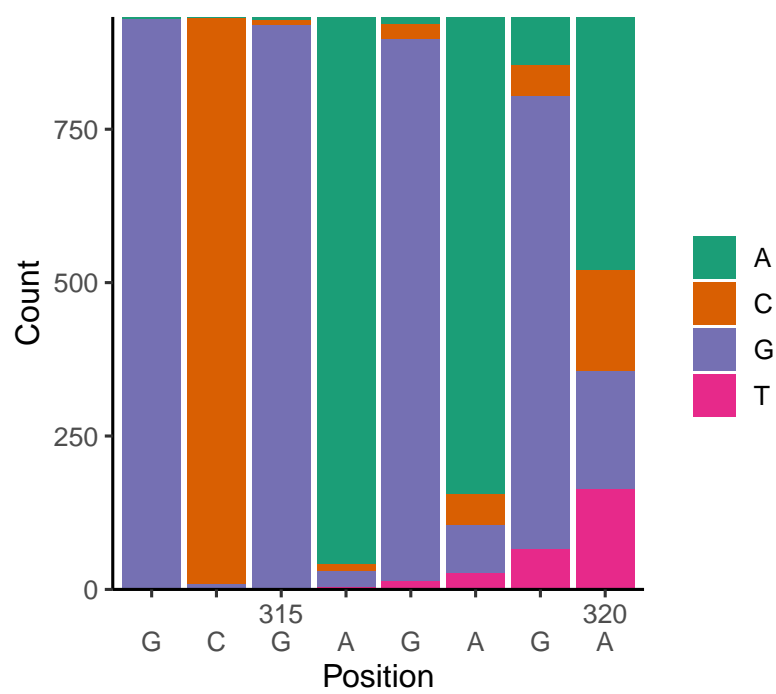


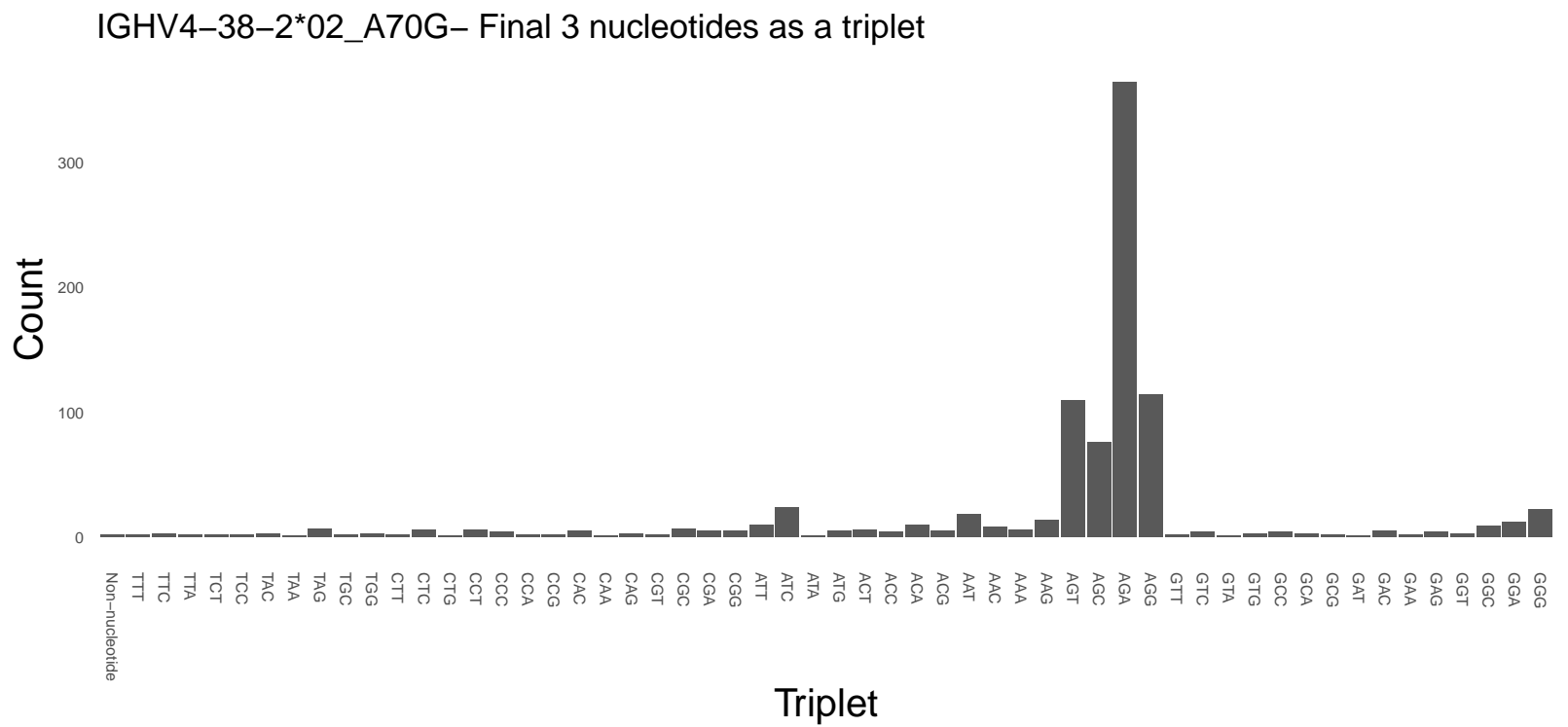
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

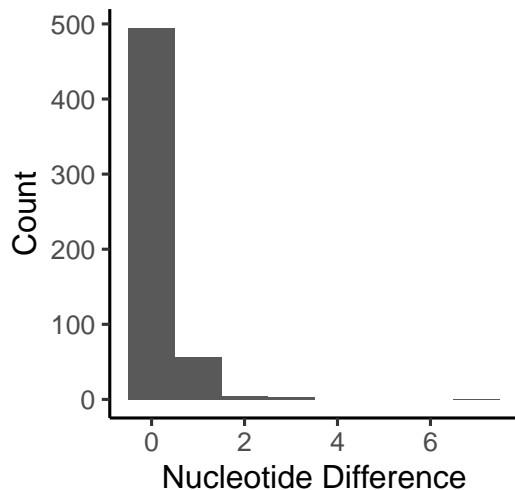


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



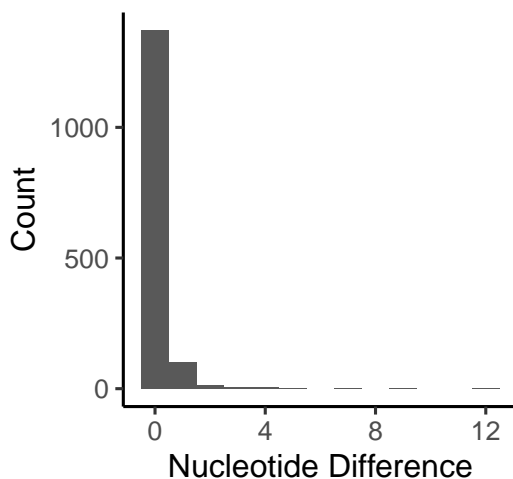
IGHV1-2*04

560 sequences assigned
495 (88.4%) exact matches, in which:
460 unique CDR3
6 unique J



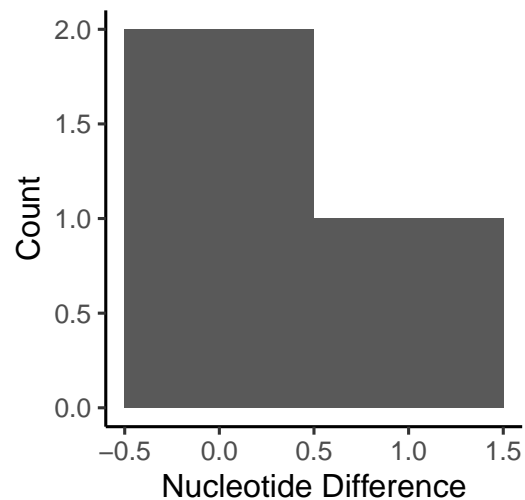
IGHV1-8*01

1500 sequences assigned
1371 (91.4%) exact matches, in which:
1264 unique CDR3
6 unique J



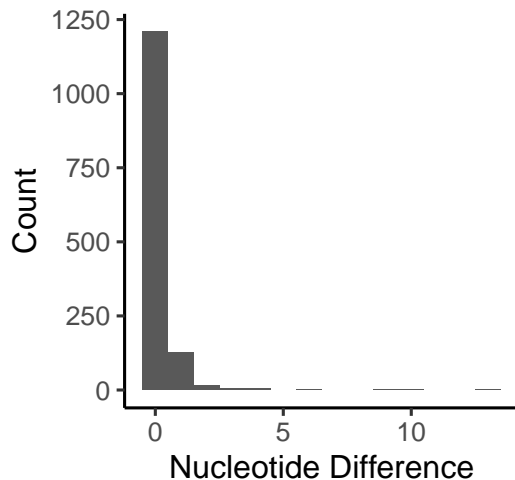
IGHV1-45*03

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



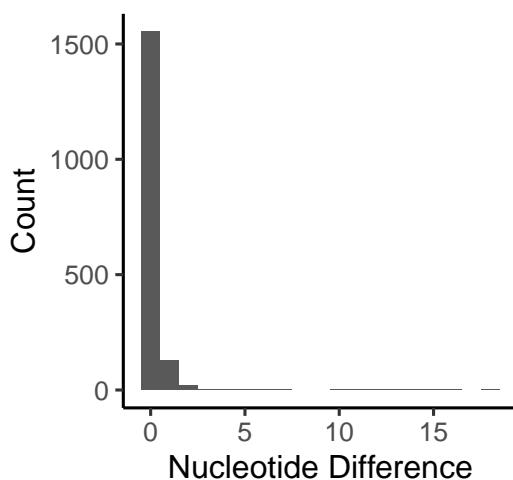
IGHV1-2*06

1367 sequences assigned
1209 (88.4%) exact matches, in which:
1118 unique CDR3
6 unique J



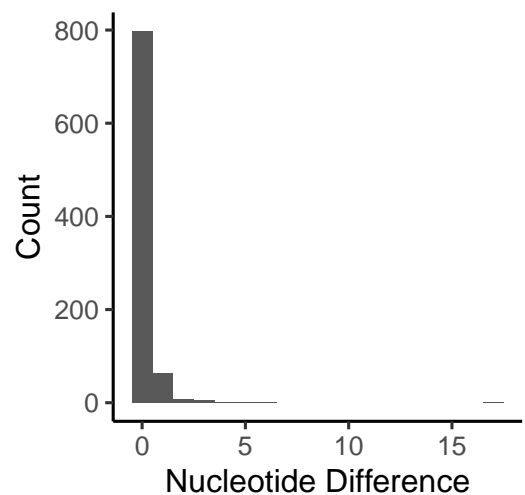
IGHV1-18*01

1718 sequences assigned
1553 (90.4%) exact matches, in which:
1460 unique CDR3
6 unique J



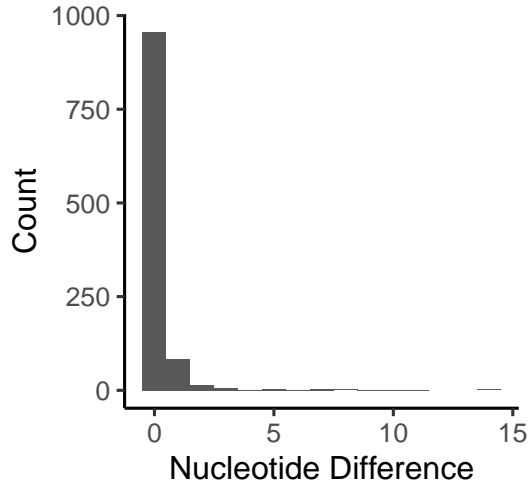
IGHV1-46*01

879 sequences assigned
798 (90.8%) exact matches, in which:
743 unique CDR3
6 unique J



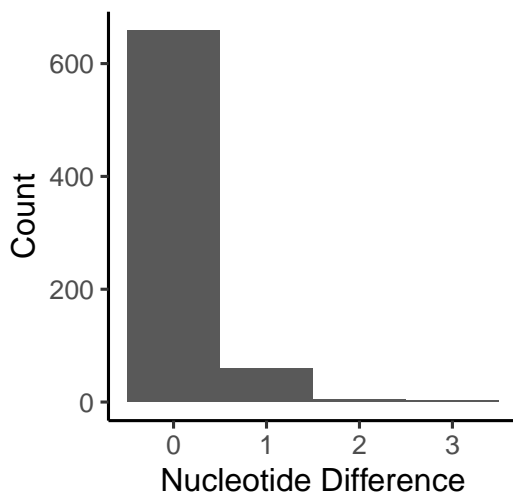
IGHV1-3*01

1076 sequences assigned
956 (88.8%) exact matches, in which:
911 unique CDR3
6 unique J



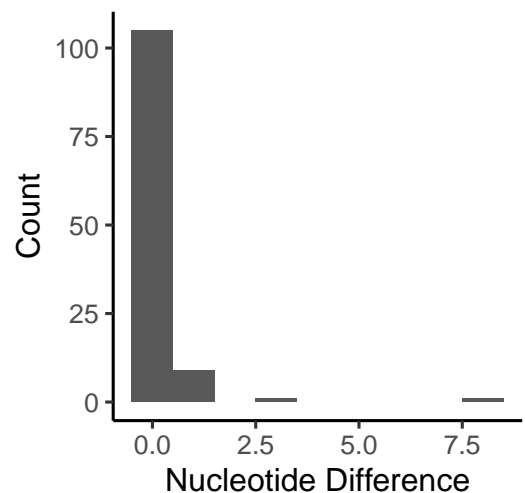
IGHV1-24*01

726 sequences assigned
659 (90.8%) exact matches, in which:
610 unique CDR3
6 unique J



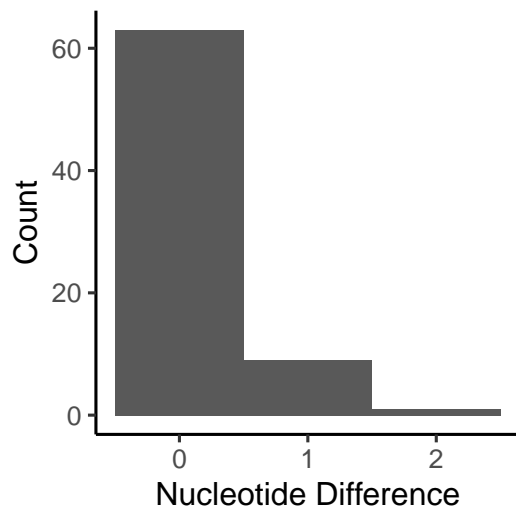
IGHV1-58*01

117 sequences assigned
105 (89.7%) exact matches, in which:
94 unique CDR3
5 unique J



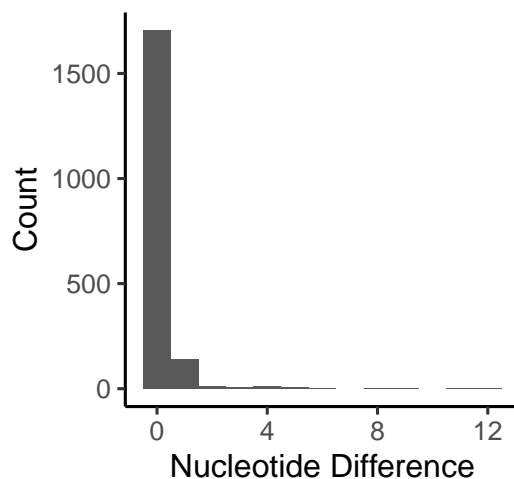
IGHV1–58*02

73 sequences assigned
63 (86.3%) exact matches, in which:
58 unique CDR3
4 unique J



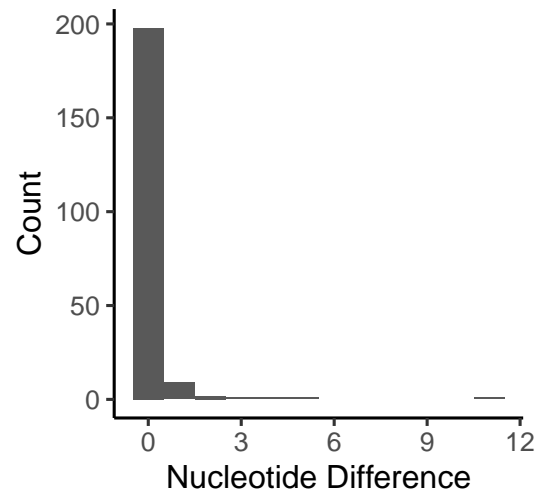
IGHV2–5*02

1891 sequences assigned
1705 (90.2%) exact matches, in which:
1597 unique CDR3
6 unique J



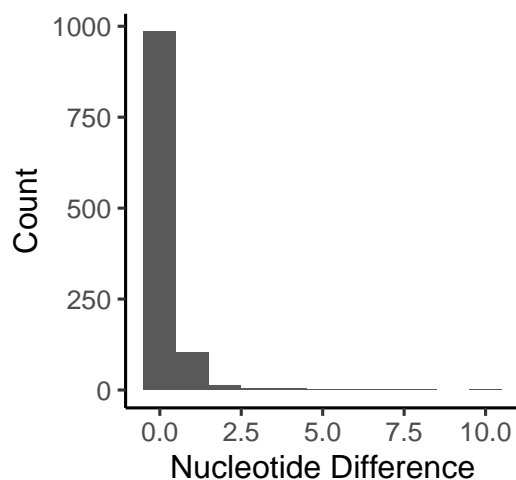
IGHV2–70*15

213 sequences assigned
198 (93%) exact matches, in which:
190 unique CDR3
6 unique J



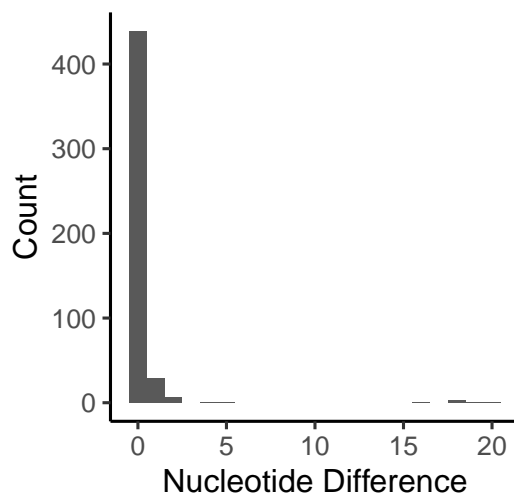
IGHV1–69*04

1115 sequences assigned
985 (88.3%) exact matches, in which:
905 unique CDR3
6 unique J



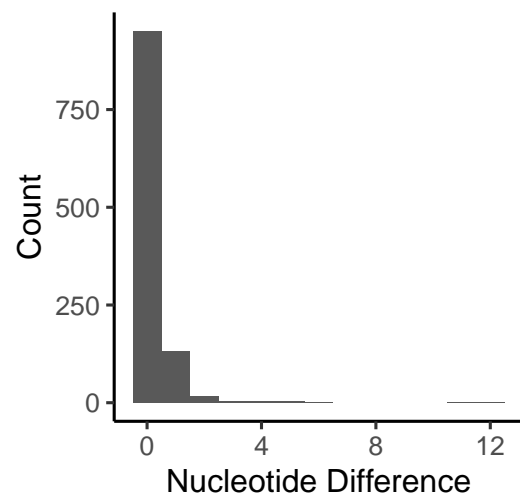
IGHV2–26*01

483 sequences assigned
439 (90.9%) exact matches, in which:
413 unique CDR3
6 unique J



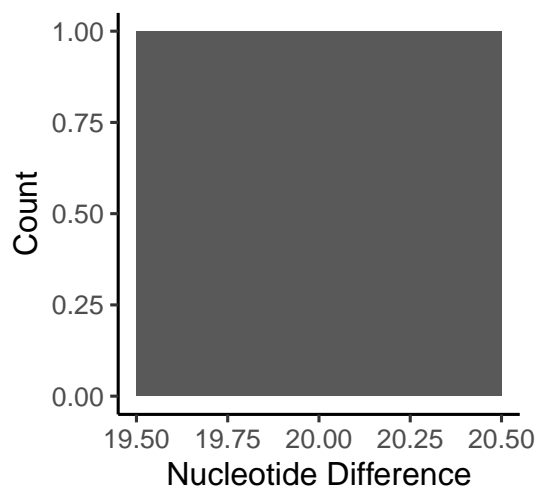
IGHV3–7*01

1114 sequences assigned
951 (85.4%) exact matches, in which:
897 unique CDR3
6 unique J



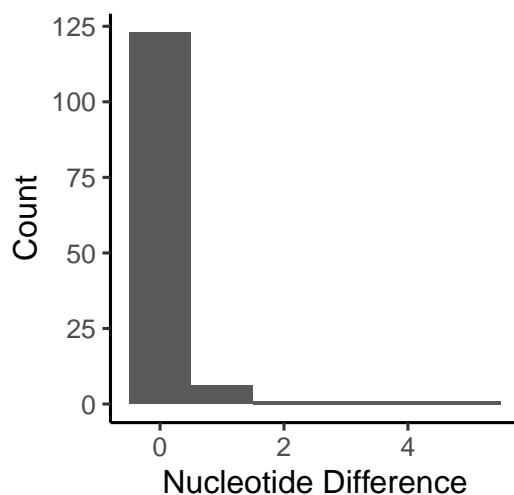
IGHV1–NL1*01

1 sequences assigned
No exact matches.



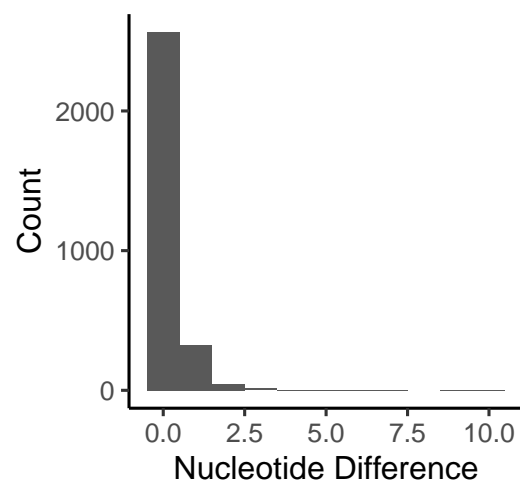
IGHV2–70*01

133 sequences assigned
123 (92.5%) exact matches, in which:
117 unique CDR3
6 unique J



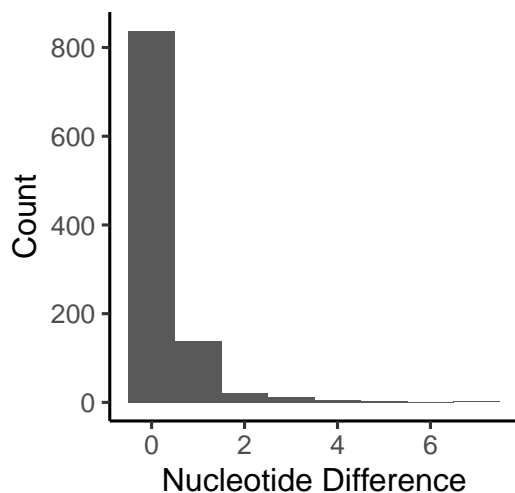
IGHV3–9*01

2957 sequences assigned
2565 (86.7%) exact matches, in which:
2297 unique CDR3
6 unique J



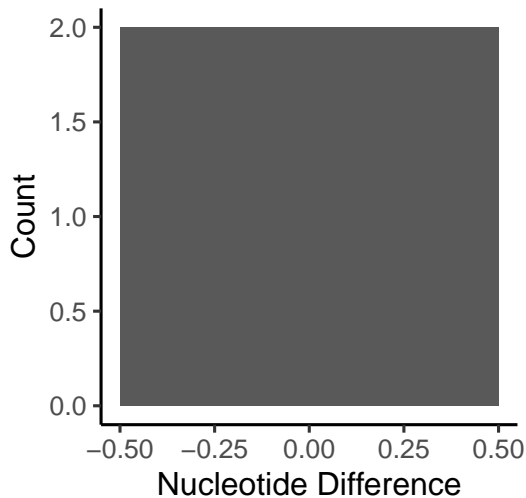
IGHV3-11*01

1023 sequences assigned
838 (81.9%) exact matches, in which:
786 unique CDR3
6 unique J



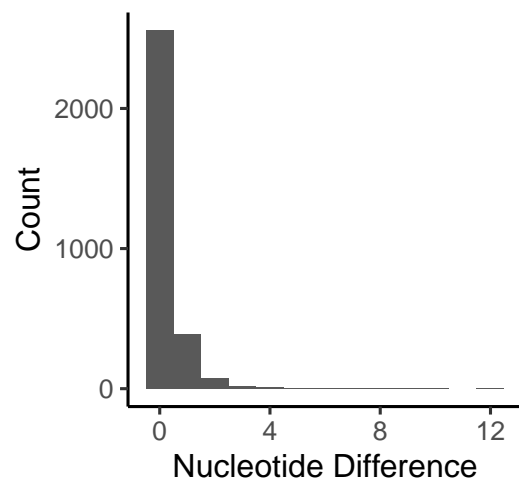
IGHV3-19*01

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



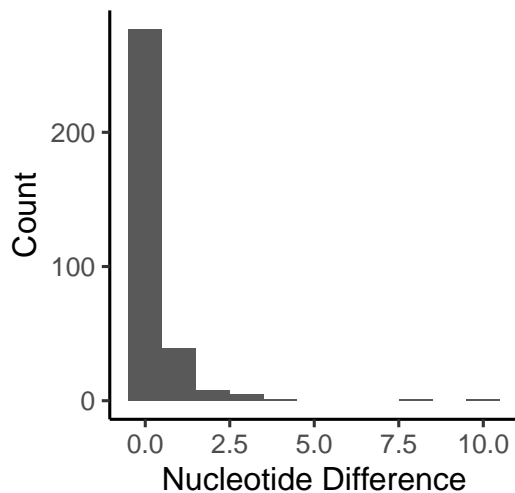
IGHV3-30-3*01

3073 sequences assigned
2557 (83.2%) exact matches, in which:
2343 unique CDR3
6 unique J



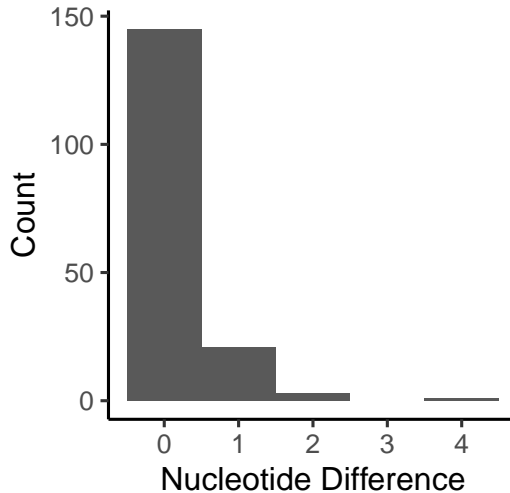
IGHV3-13*01

332 sequences assigned
277 (83.4%) exact matches, in which:
254 unique CDR3
5 unique J



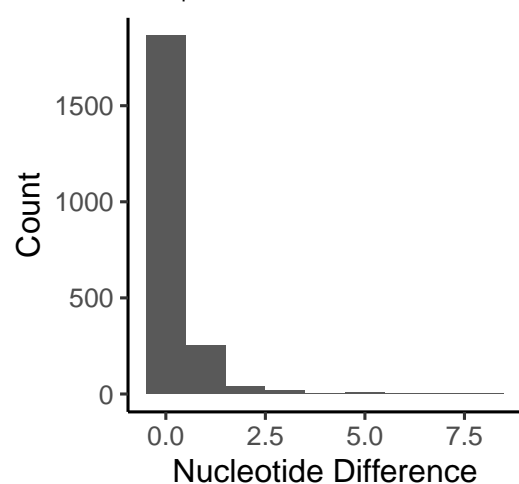
IGHV3-20*01

170 sequences assigned
145 (85.3%) exact matches, in which:
127 unique CDR3
5 unique J



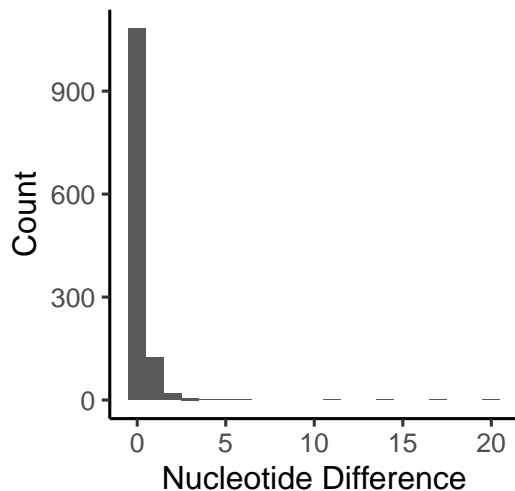
IGHV3-33*01

2192 sequences assigned
1864 (85%) exact matches, in which:
1715 unique CDR3
6 unique J



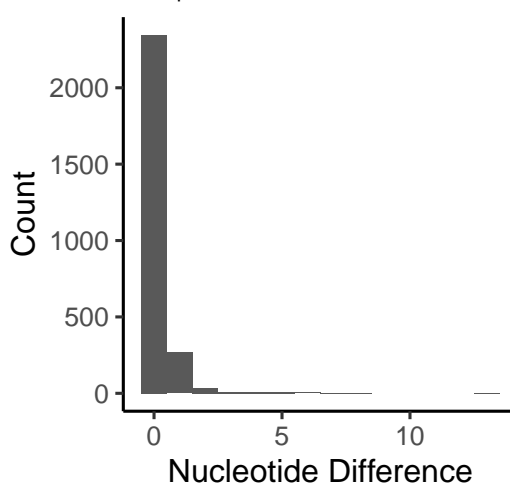
IGHV3-15*01

1245 sequences assigned
1083 (87%) exact matches, in which:
991 unique CDR3
6 unique J



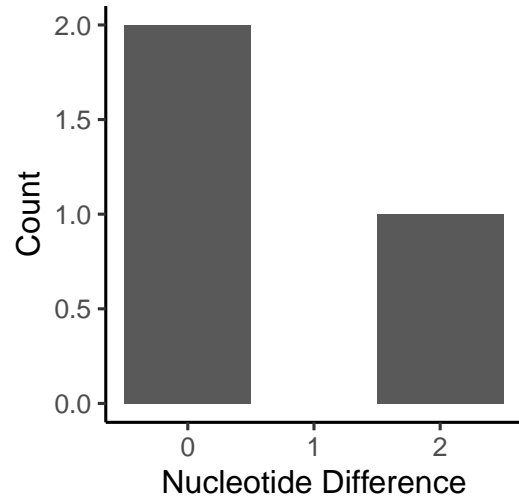
IGHV3-21*01

2684 sequences assigned
2345 (87.4%) exact matches, in which:
2138 unique CDR3
6 unique J



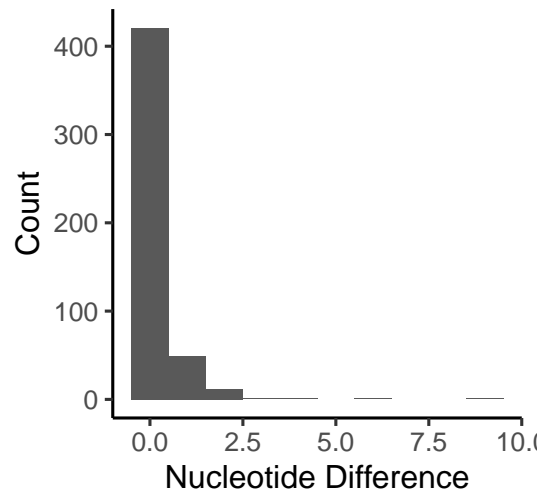
IGHV3-35*01

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



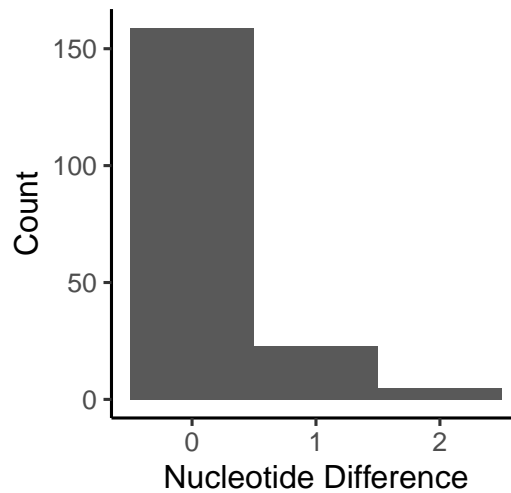
IGHV3-43*02

486 sequences assigned
421 (86.6%) exact matches, in which:
388 unique CDR3
6 unique J



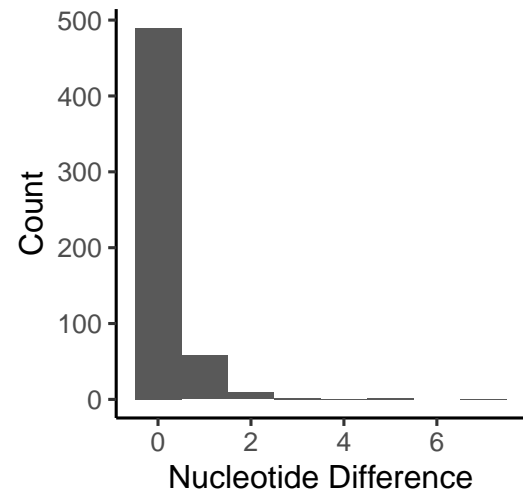
IGHV3-53*02

187 sequences assigned
159 (85%) exact matches, in which:
150 unique CDR3
6 unique J



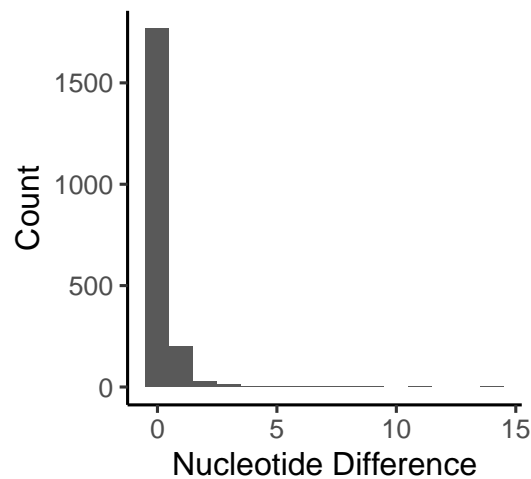
IGHV3-66*01

563 sequences assigned
490 (87%) exact matches, in which:
447 unique CDR3
6 unique J



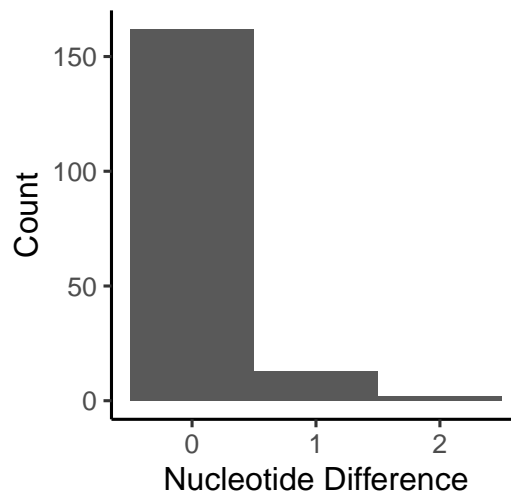
IGHV3-48*03

2020 sequences assigned
1767 (87.5%) exact matches, in which:
1633 unique CDR3
6 unique J



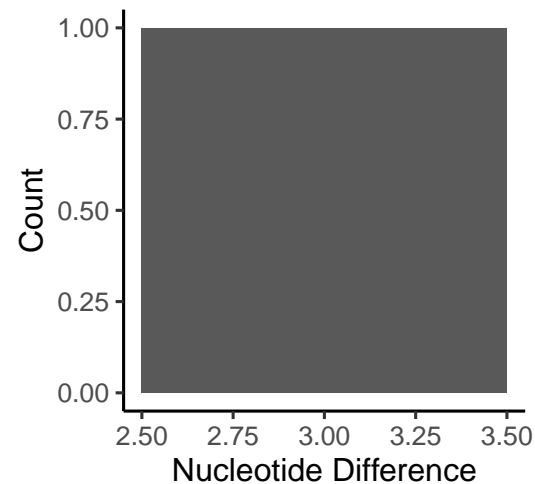
IGHV3-53*04

177 sequences assigned
162 (91.5%) exact matches, in which:
151 unique CDR3
5 unique J



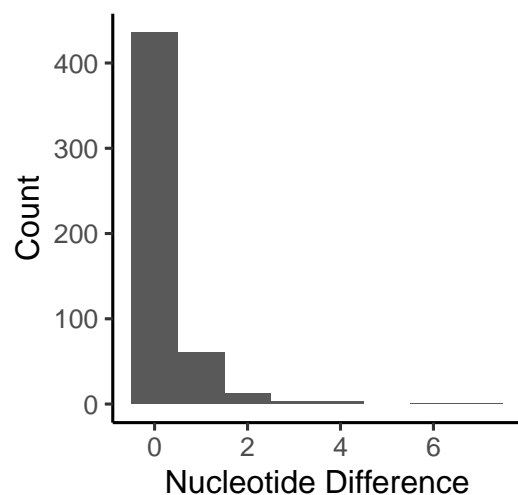
IGHV3-69-1*01

1 sequences assigned
No exact matches.



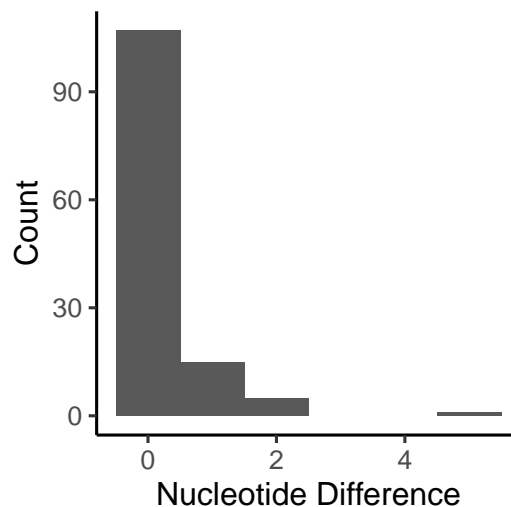
IGHV3-49*04

517 sequences assigned
436 (84.3%) exact matches, in which:
401 unique CDR3
6 unique J



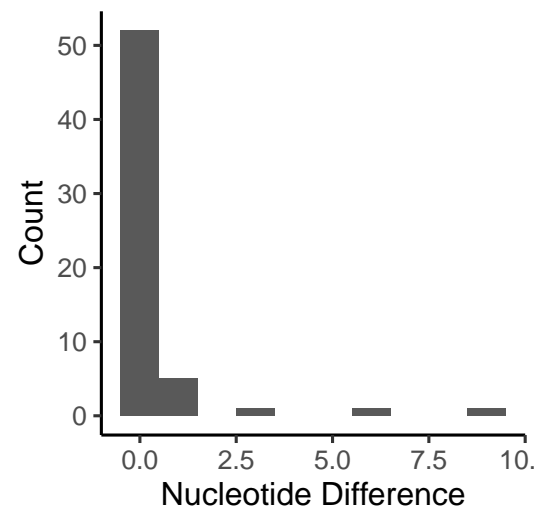
IGHV3-64*01

128 sequences assigned
107 (83.6%) exact matches, in which:
96 unique CDR3
6 unique J



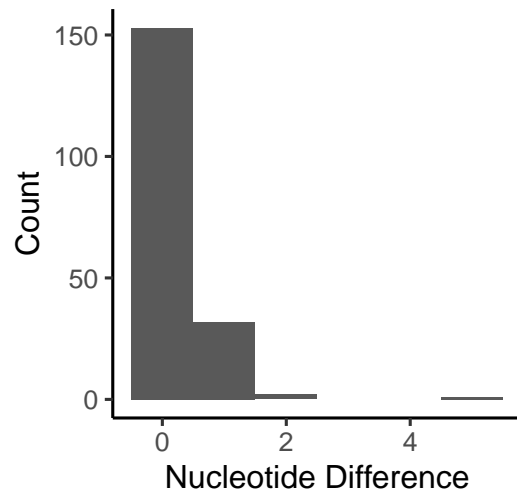
IGHV3-72*01

60 sequences assigned
52 (86.7%) exact matches, in which:
48 unique CDR3
5 unique J



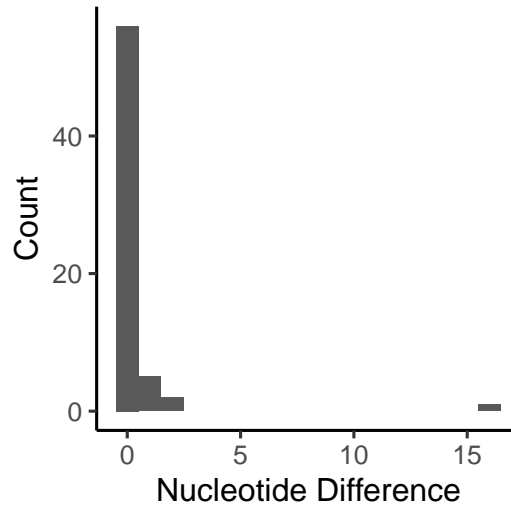
IGHV3-73*01

188 sequences assigned
153 (81.4%) exact matches, in which:
143 unique CDR3
5 unique J



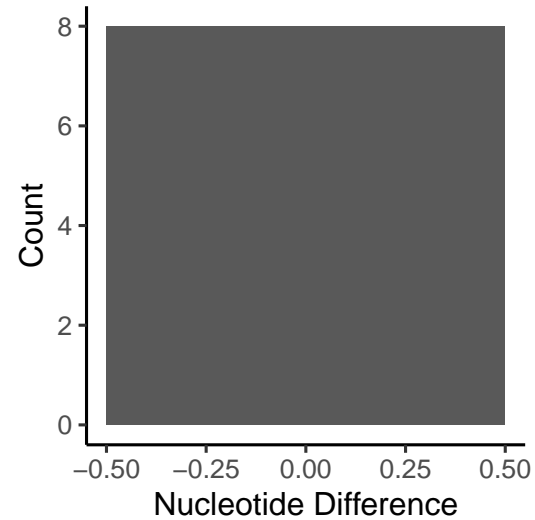
IGHV3-43D*04

64 sequences assigned
56 (87.5%) exact matches, in which:
52 unique CDR3
6 unique J



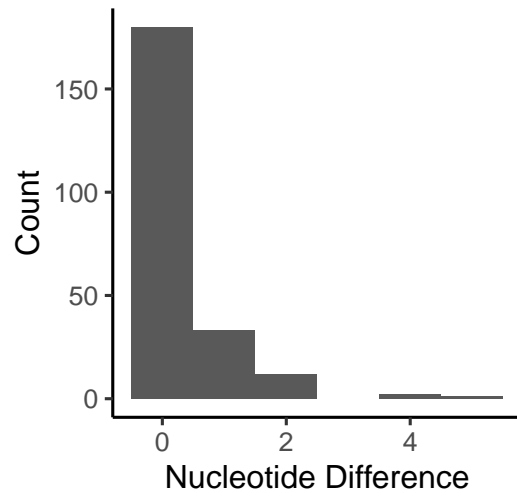
IGHV4-28*03

8 sequences assigned
8 (100%) exact matches, in which:
6 unique CDR3
3 unique J



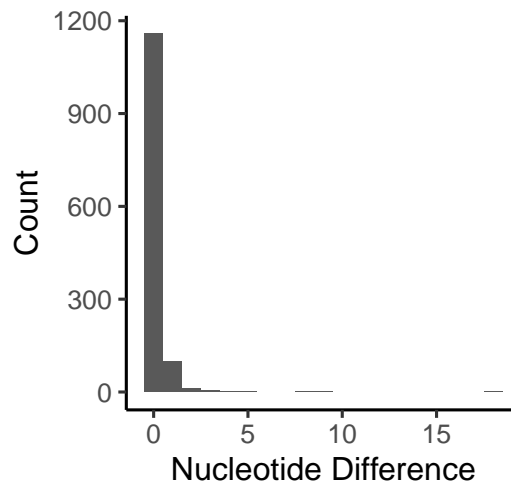
IGHV3-73*02

228 sequences assigned
180 (78.9%) exact matches, in which:
155 unique CDR3
6 unique J



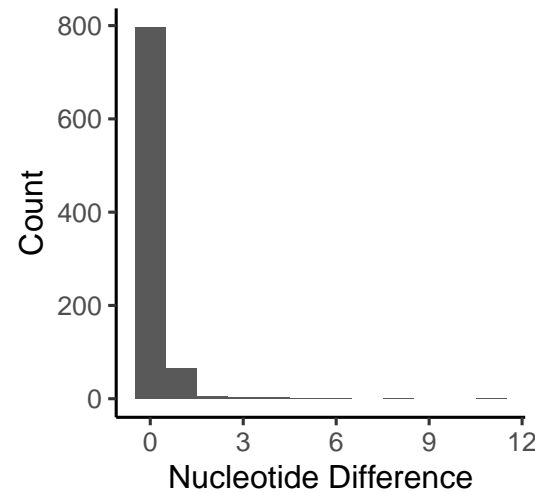
IGHV4-4*02

1282 sequences assigned
1158 (90.3%) exact matches, in which:
1089 unique CDR3
6 unique J



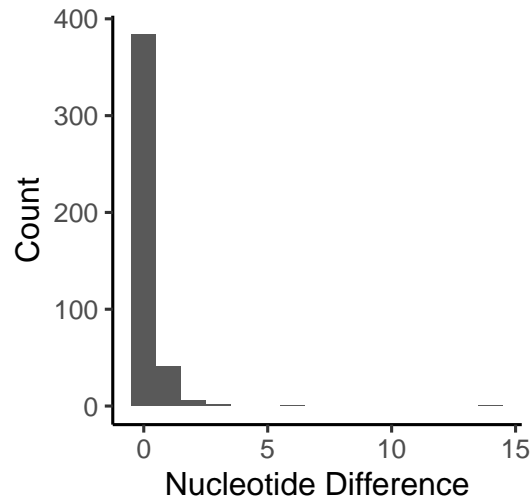
IGHV4-30-4*01

880 sequences assigned
797 (90.6%) exact matches, in which:
750 unique CDR3
6 unique J



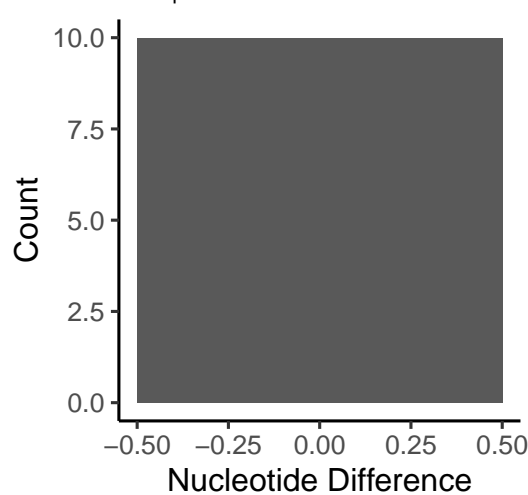
IGHV3-74*01

435 sequences assigned
384 (88.3%) exact matches, in which:
365 unique CDR3
6 unique J



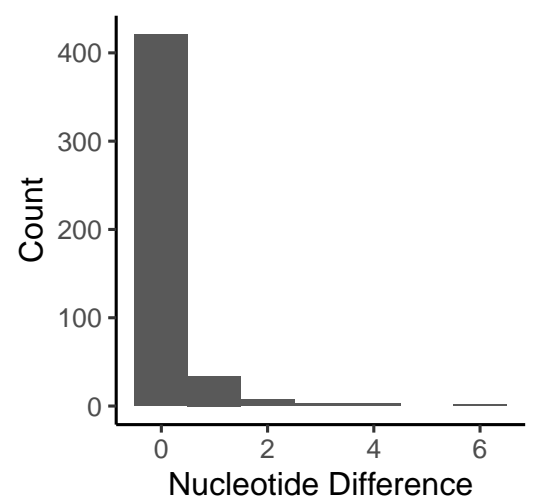
IGHV4-28*01

10 sequences assigned
10 (100%) exact matches, in which:
10 unique CDR3
5 unique J



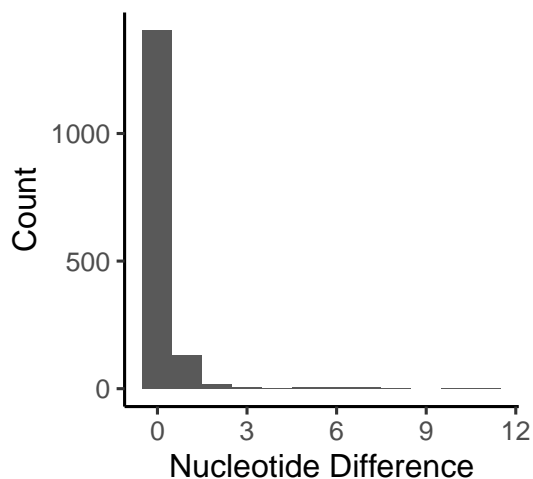
IGHV4-30-2*01

470 sequences assigned
421 (89.6%) exact matches, in which:
392 unique CDR3
6 unique J



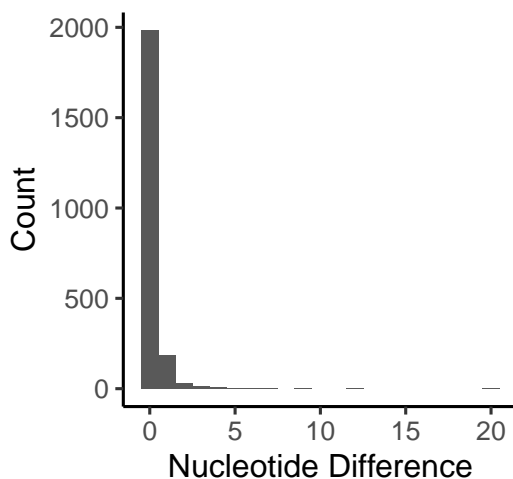
IGHV4-31*03

1579 sequences assigned
1404 (88.9%) exact matches, in which:
1331 unique CDR3
6 unique J



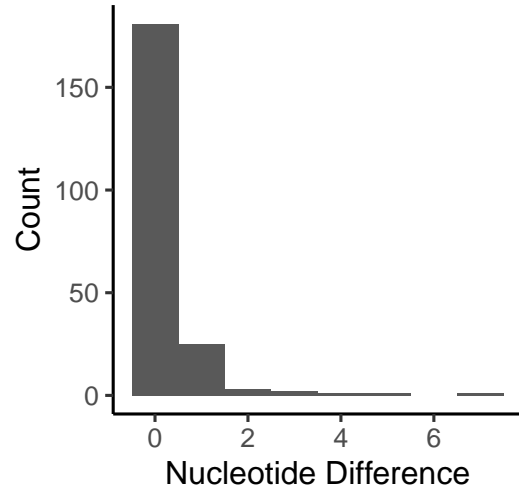
IGHV4-39*01

2226 sequences assigned
1983 (89.1%) exact matches, in which:
1772 unique CDR3
6 unique J



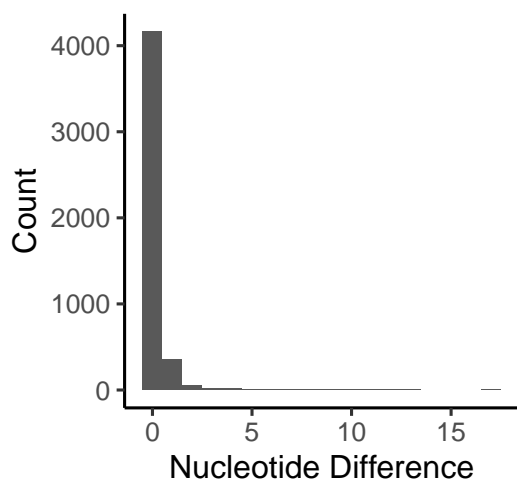
IGHV4-61*01

214 sequences assigned
181 (84.6%) exact matches, in which:
171 unique CDR3
6 unique J



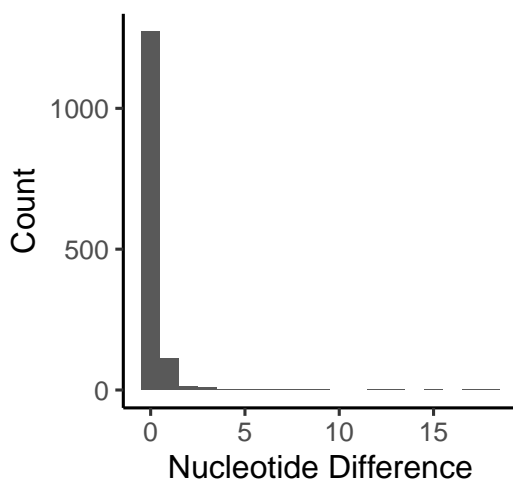
IGHV4-34*01

4619 sequences assigned
4162 (90.1%) exact matches, in which:
3759 unique CDR3
6 unique J



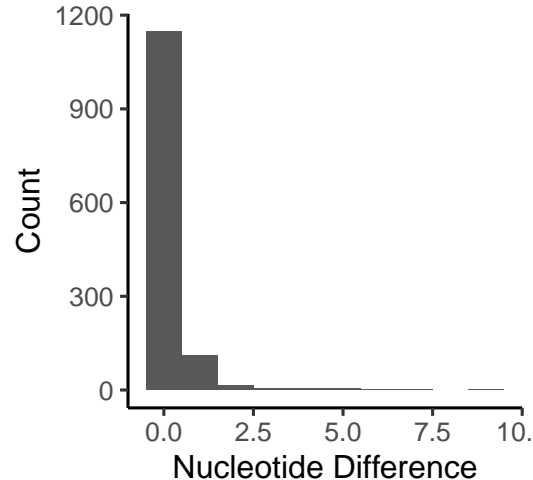
IGHV4-59*01

1420 sequences assigned
1272 (89.6%) exact matches, in which:
1220 unique CDR3
6 unique J



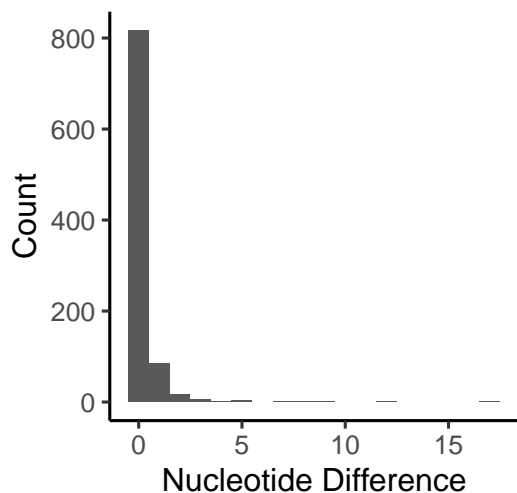
IGHV5-51*01

1293 sequences assigned
1147 (88.7%) exact matches, in which:
1063 unique CDR3
6 unique J



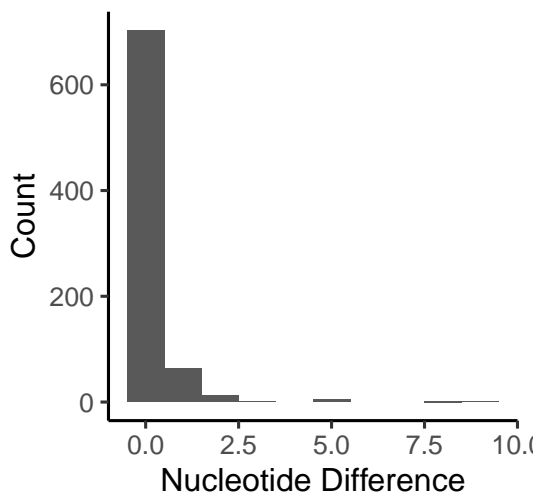
IGHV4-38-2*02_A70G

933 sequences assigned
817 (87.6%) exact matches, in which:
733 unique CDR3
6 unique J



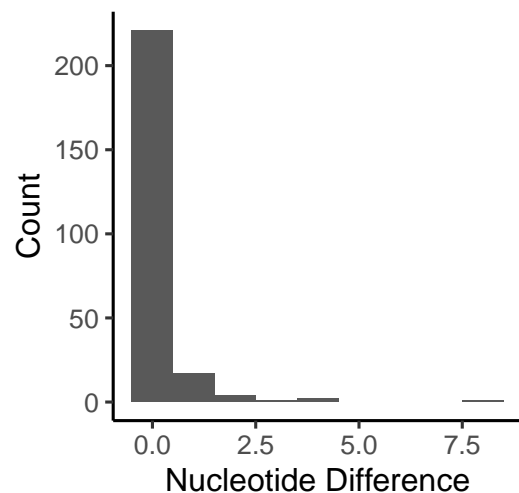
IGHV4-59*08

786 sequences assigned
703 (89.4%) exact matches, in which:
664 unique CDR3
6 unique J



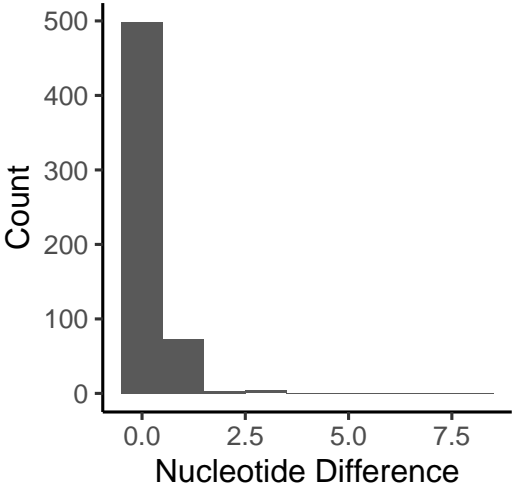
IGHV6-1*01

246 sequences assigned
221 (89.8%) exact matches, in which:
205 unique CDR3
6 unique J

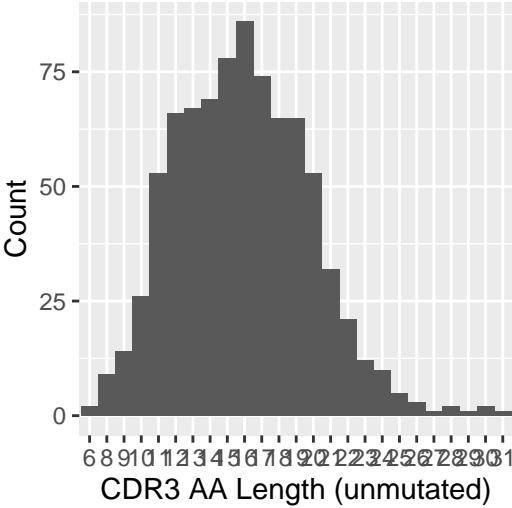


IGHV7-4-1*02

584 sequences assigned
499 (85.4%) exact matches, in which:
478 unique CDR3
6 unique J



IGHV4-38-2*02_A70G





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.