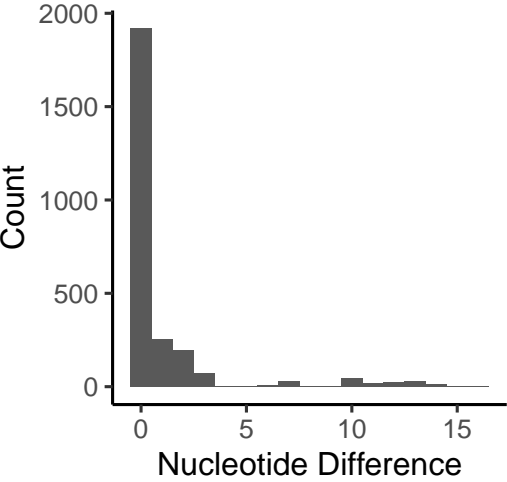


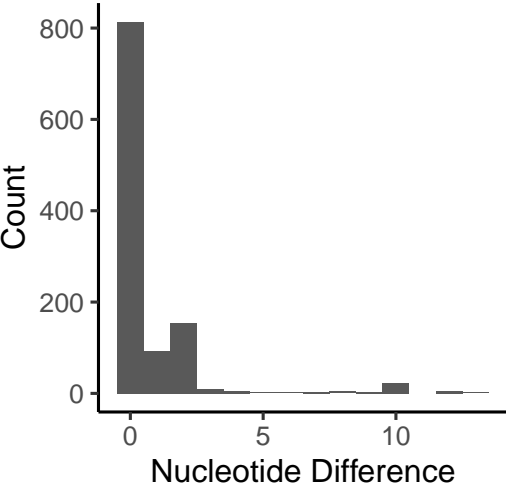
IGHV1-2*02

2624 sequences assigned
1919 (73.1%) exact matches, in which:
1841 unique CDR3
7 unique J



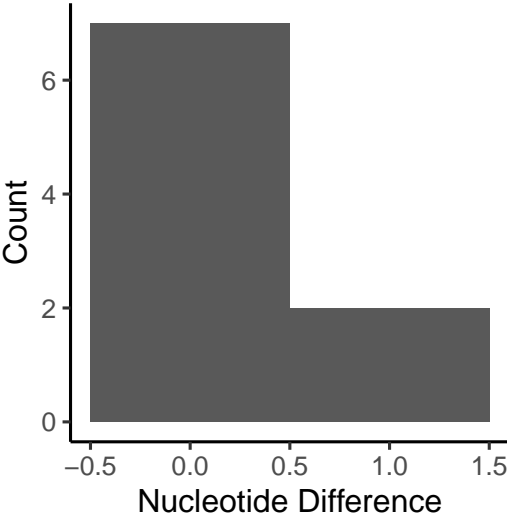
IGHV1-18*01

1118 sequences assigned
814 (72.8%) exact matches, in which:
795 unique CDR3
7 unique J



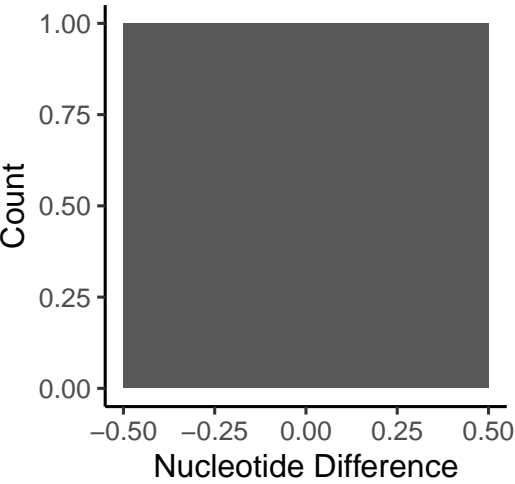
IGHV1-45*02

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
5 unique J



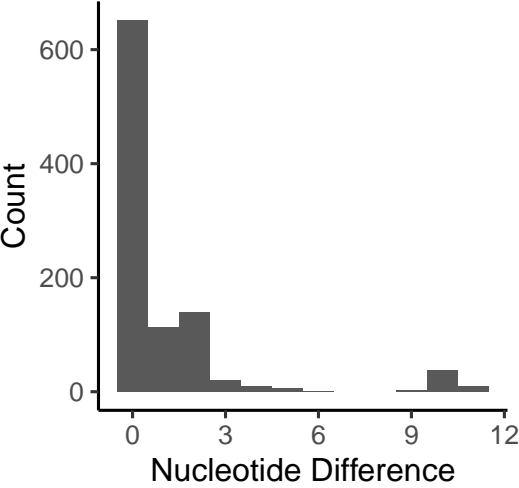
IGHV1-3*02

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



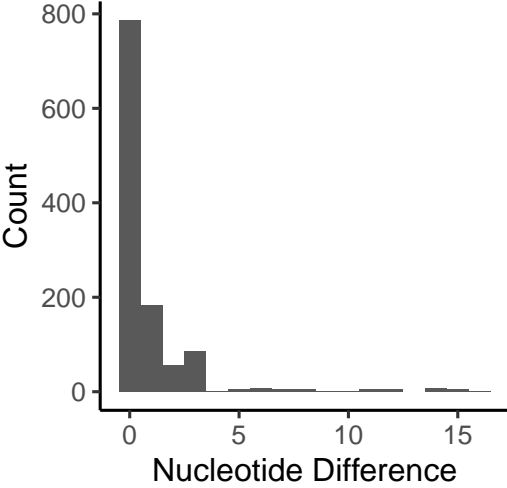
IGHV1-18*04

993 sequences assigned
652 (65.7%) exact matches, in which:
622 unique CDR3
7 unique J



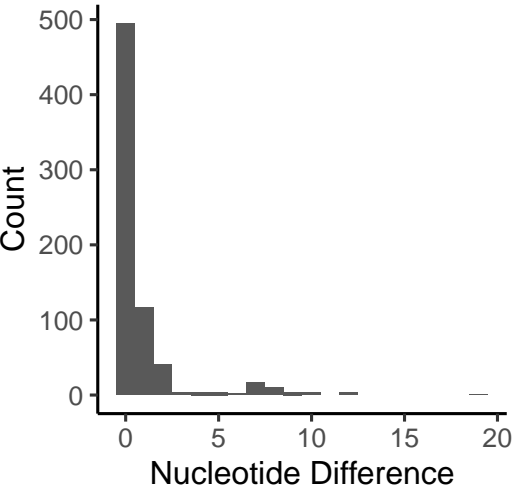
IGHV1-46*01

1166 sequences assigned
787 (67.5%) exact matches, in which:
756 unique CDR3
7 unique J



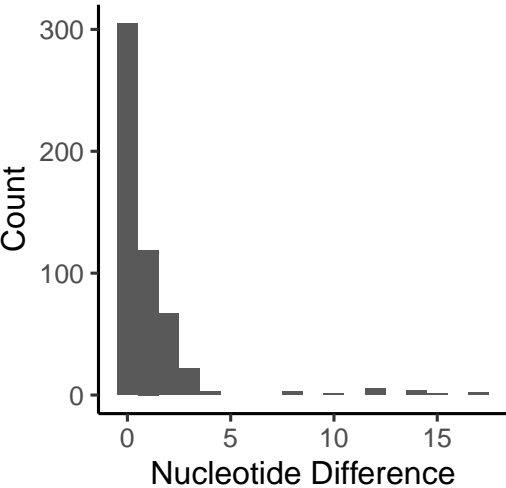
IGHV1-8*01

704 sequences assigned
495 (70.3%) exact matches, in which:
487 unique CDR3
7 unique J



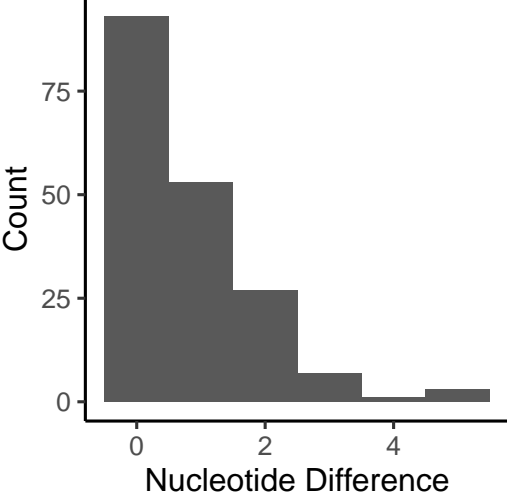
IGHV1-24*01

533 sequences assigned
305 (57.2%) exact matches, in which:
288 unique CDR3
7 unique J



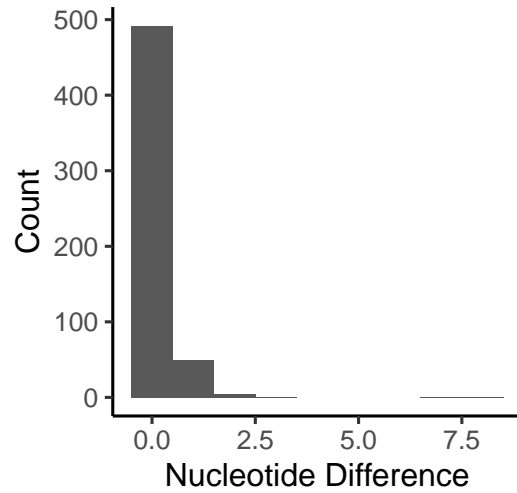
IGHV1-58*02

184 sequences assigned
93 (50.5%) exact matches, in which:
74 unique CDR3
6 unique J



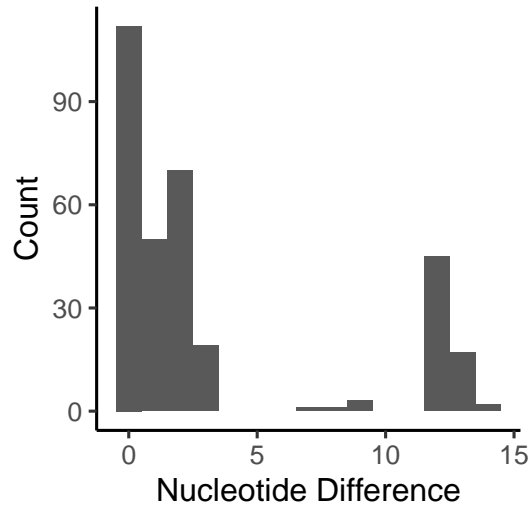
IGHV1–69*02

549 sequences assigned
492 (89.6%) exact matches, in which:
473 unique CDR3
7 unique J



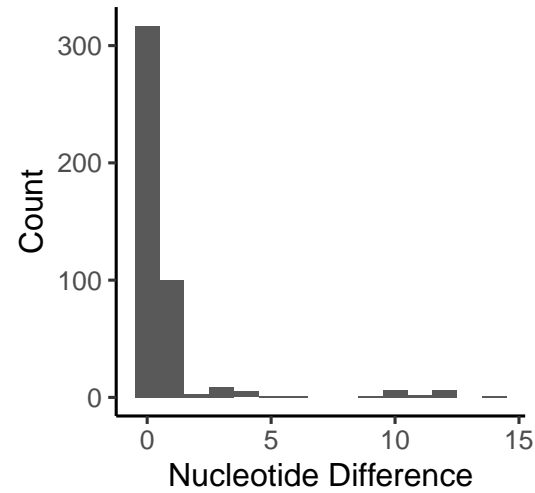
IGHV1–69*09

320 sequences assigned
112 (35%) exact matches, in which:
110 unique CDR3
6 unique J



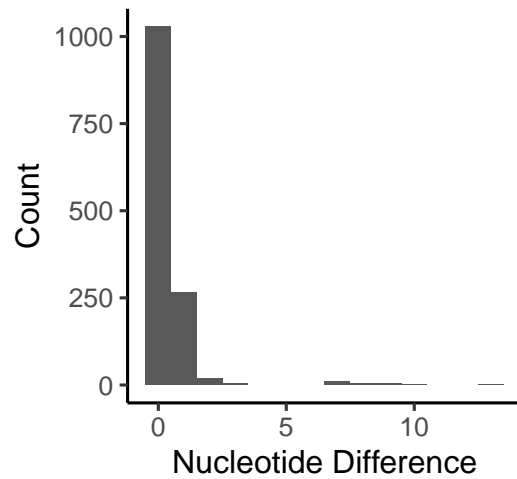
IGHV2–26*01

455 sequences assigned
317 (69.7%) exact matches, in which:
312 unique CDR3
7 unique J



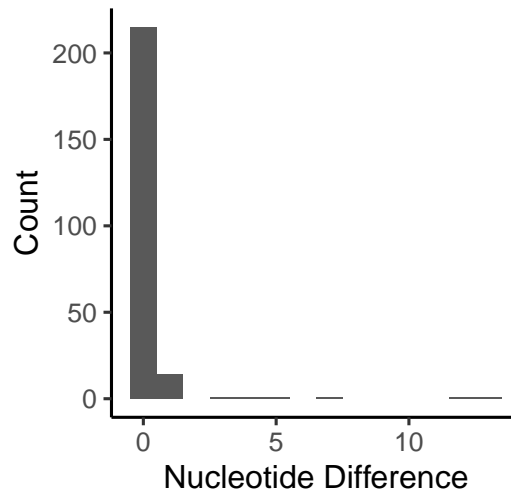
IGHV1–69*04

1338 sequences assigned
1028 (76.8%) exact matches, in which:
955 unique CDR3
7 unique J



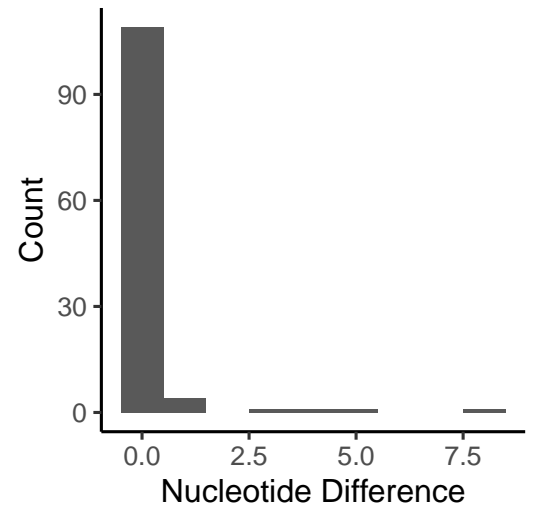
IGHV2–5*01

236 sequences assigned
215 (91.1%) exact matches, in which:
210 unique CDR3
6 unique J



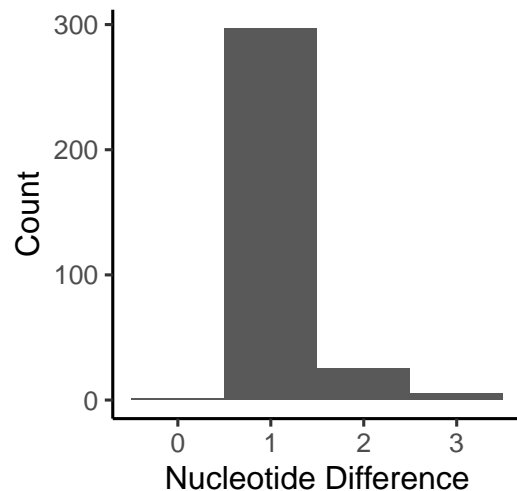
IGHV2–70*15

117 sequences assigned
109 (93.2%) exact matches, in which:
107 unique CDR3
5 unique J



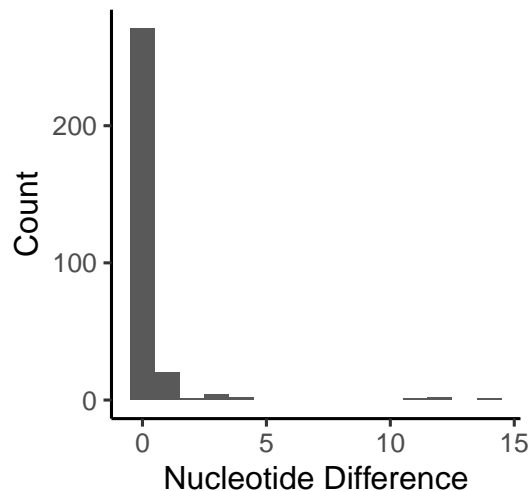
IGHV1–69*08

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



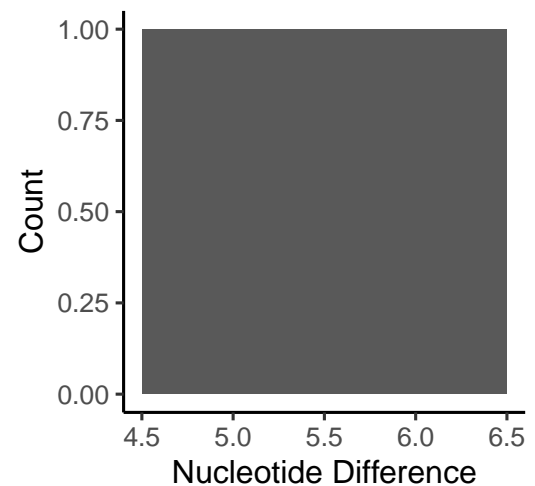
IGHV2–5*02

302 sequences assigned
271 (89.7%) exact matches, in which:
265 unique CDR3
7 unique J



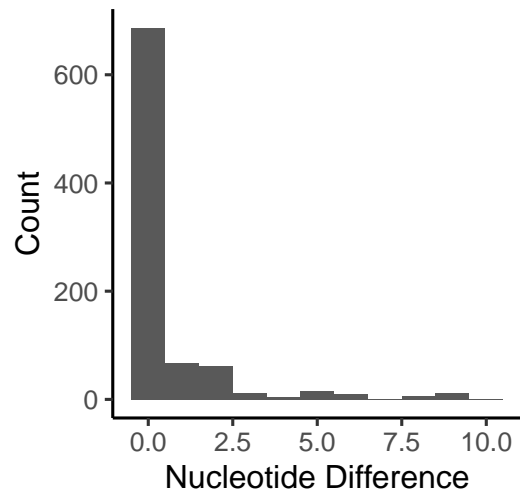
IGHV2–70D*04

2 sequences assigned
No exact matches.



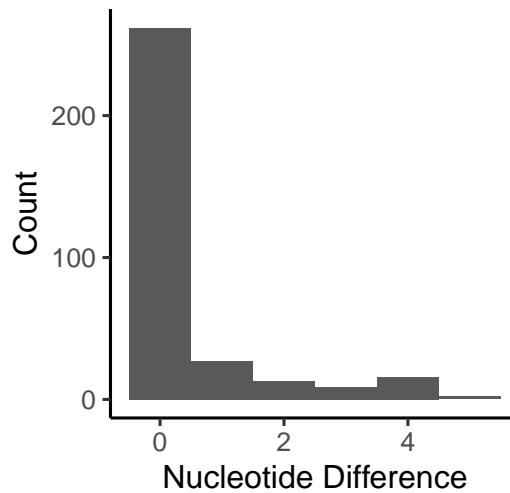
IGHV3-7*01

878 sequences assigned
687 (78.2%) exact matches, in which:
658 unique CDR3
7 unique J



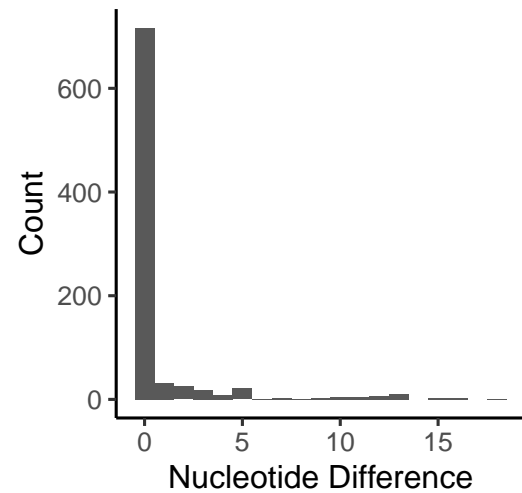
IGHV3-11*06

329 sequences assigned
262 (79.6%) exact matches, in which:
235 unique CDR3
7 unique J



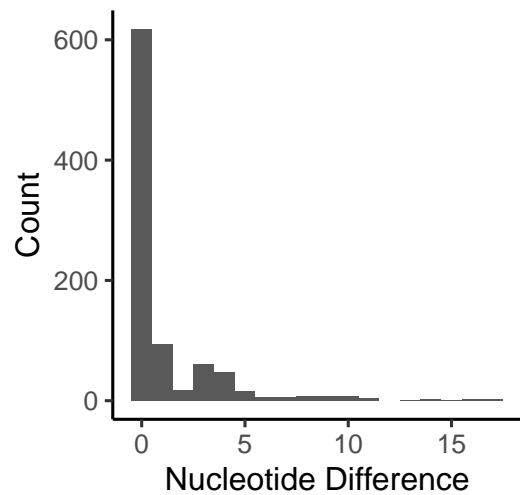
IGHV3-15*01

858 sequences assigned
717 (83.6%) exact matches, in which:
695 unique CDR3
7 unique J



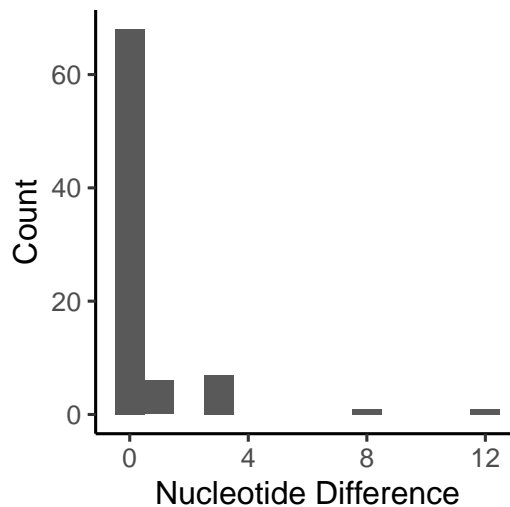
IGHV3-9*01

902 sequences assigned
618 (68.5%) exact matches, in which:
584 unique CDR3
7 unique J



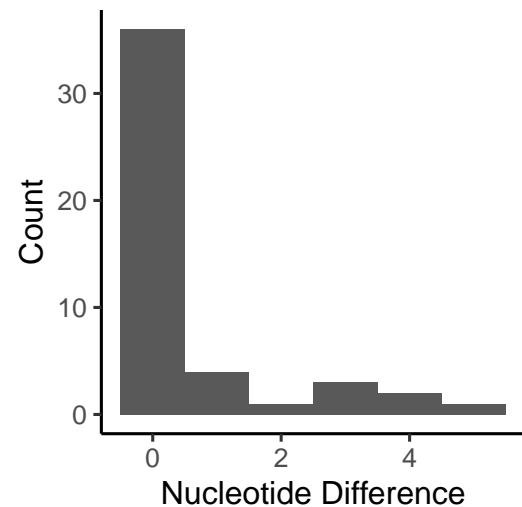
IGHV3-13*01

83 sequences assigned
68 (81.9%) exact matches, in which:
64 unique CDR3
5 unique J



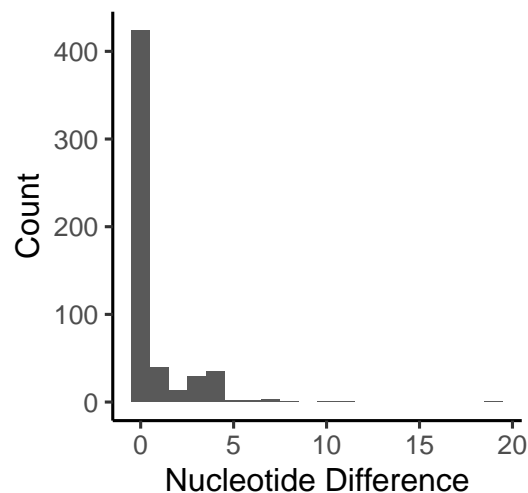
IGHV3-20*01

47 sequences assigned
36 (76.6%) exact matches, in which:
34 unique CDR3
4 unique J



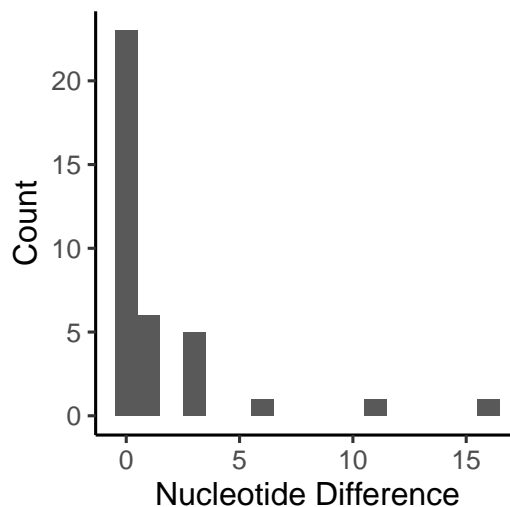
IGHV3-11*01

551 sequences assigned
424 (77%) exact matches, in which:
375 unique CDR3
7 unique J



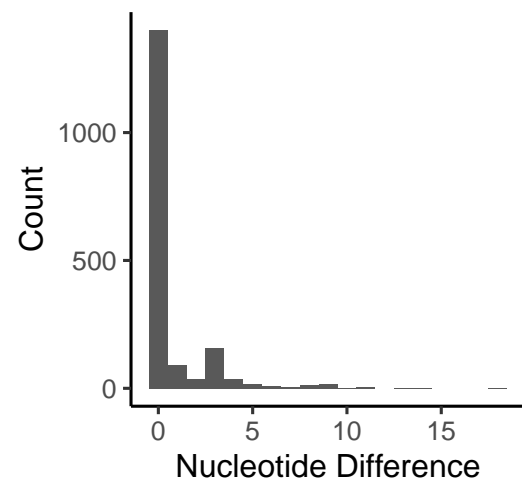
IGHV3-13*05

37 sequences assigned
23 (62.2%) exact matches, in which:
22 unique CDR3
4 unique J



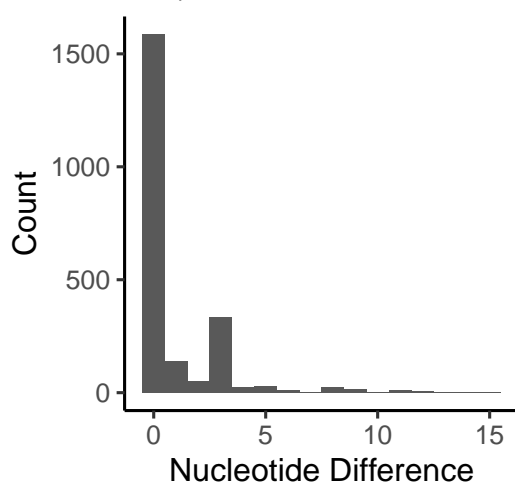
IGHV3-21*01

1793 sequences assigned
1401 (78.1%) exact matches, in which:
1159 unique CDR3
7 unique J



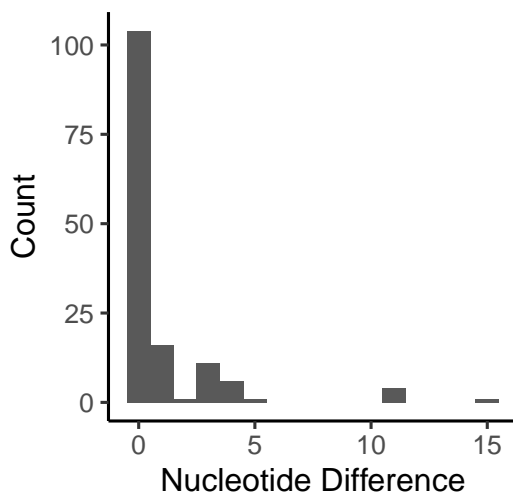
IGHV3-23*04

2246 sequences assigned
1586 (70.6%) exact matches, in which:
1490 unique CDR3
7 unique J



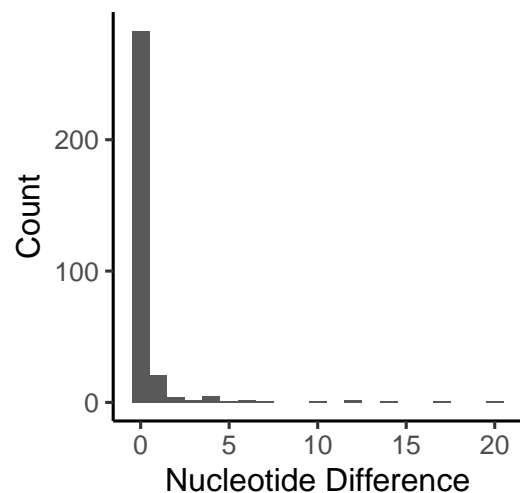
IGHV3-43*01

144 sequences assigned
104 (72.2%) exact matches, in which:
102 unique CDR3
6 unique J



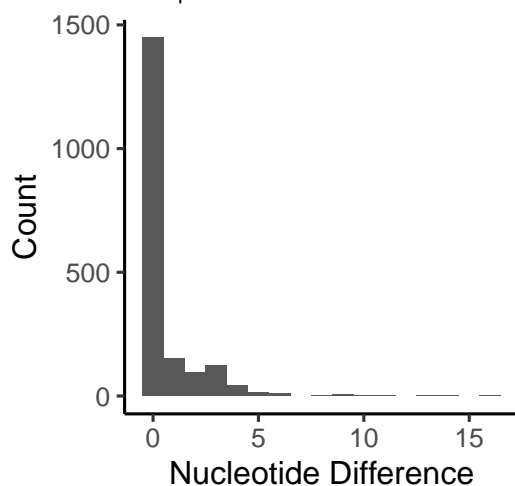
IGHV3-49*03

325 sequences assigned
283 (87.1%) exact matches, in which:
275 unique CDR3
6 unique J



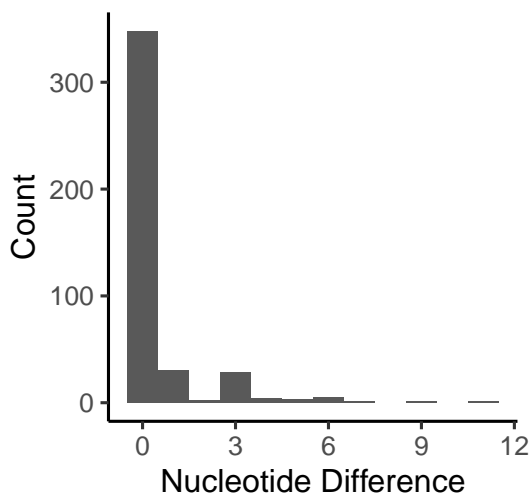
IGHV3-30-3*01

1905 sequences assigned
1448 (76%) exact matches, in which:
1317 unique CDR3
7 unique J



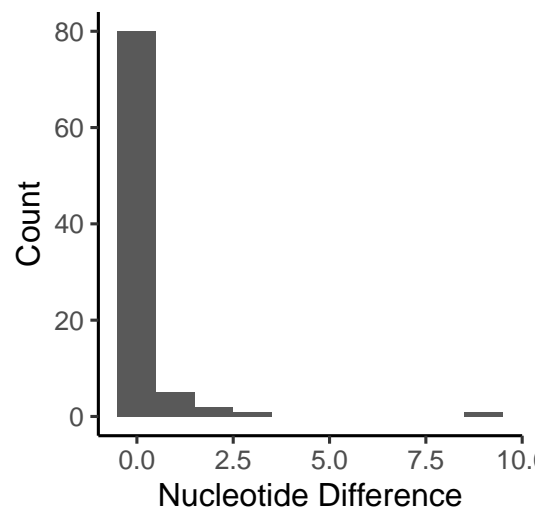
IGHV3-48*01

424 sequences assigned
348 (82.1%) exact matches, in which:
328 unique CDR3
6 unique J



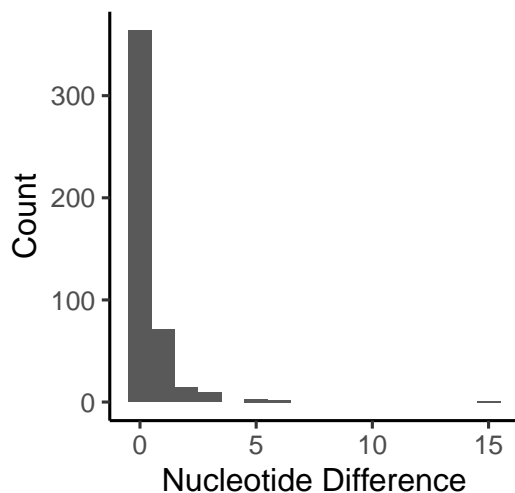
IGHV3-53*02

89 sequences assigned
80 (89.9%) exact matches, in which:
75 unique CDR3
5 unique J



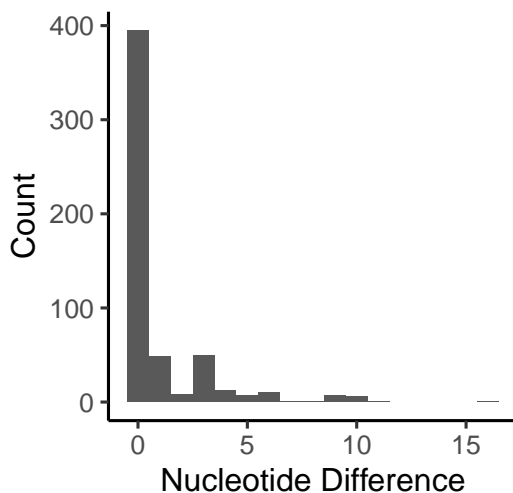
IGHV3-33*06

464 sequences assigned
364 (78.4%) exact matches, in which:
334 unique CDR3
7 unique J



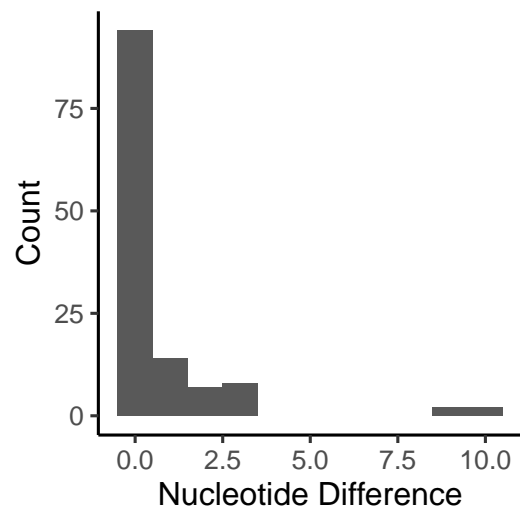
IGHV3-48*04

546 sequences assigned
395 (72.3%) exact matches, in which:
362 unique CDR3
7 unique J



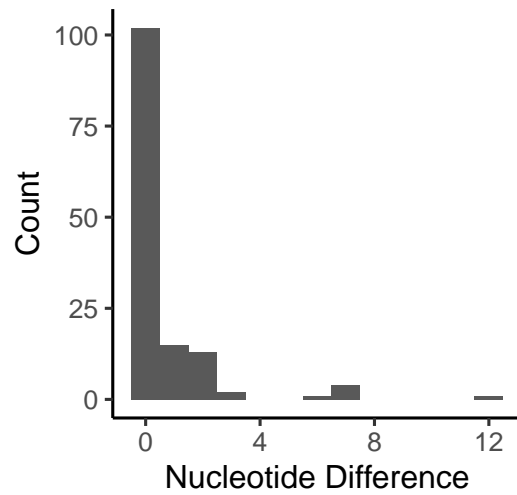
IGHV3-53*04

127 sequences assigned
94 (74%) exact matches, in which:
91 unique CDR3
6 unique J



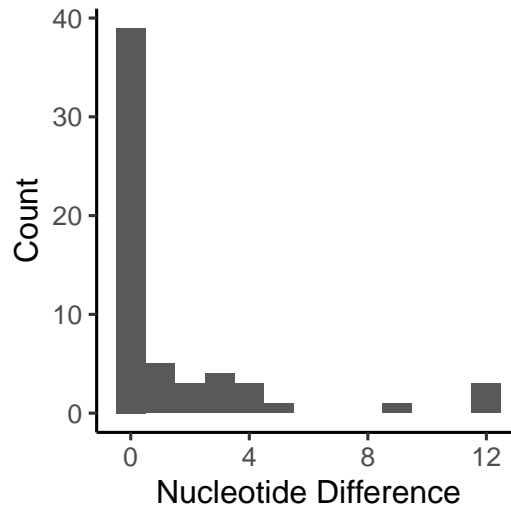
IGHV3-64*01

138 sequences assigned
102 (73.9%) exact matches, in which:
97 unique CDR3
6 unique J



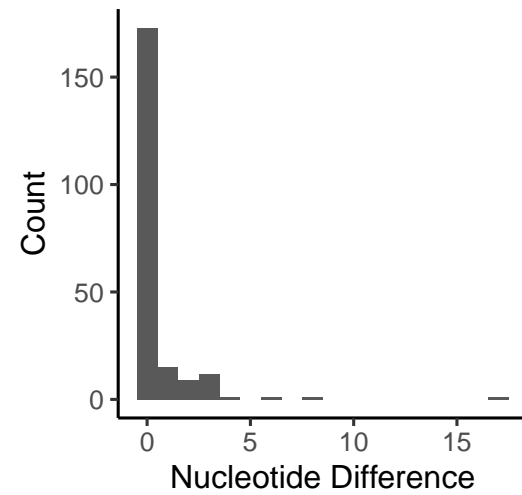
IGHV3-72*01

59 sequences assigned
39 (66.1%) exact matches, in which:
36 unique CDR3
5 unique J



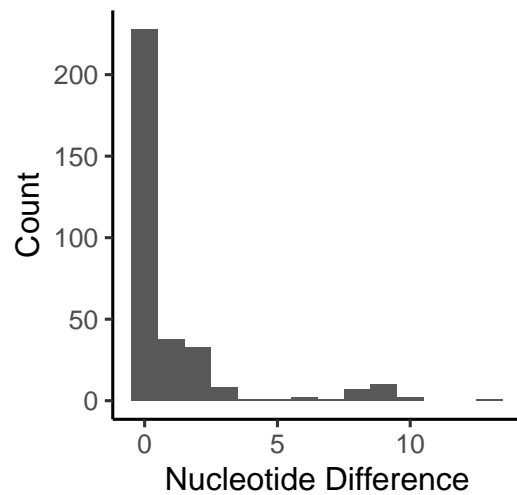
IGHV3-64D*06

217 sequences assigned
173 (79.7%) exact matches, in which:
166 unique CDR3
6 unique J



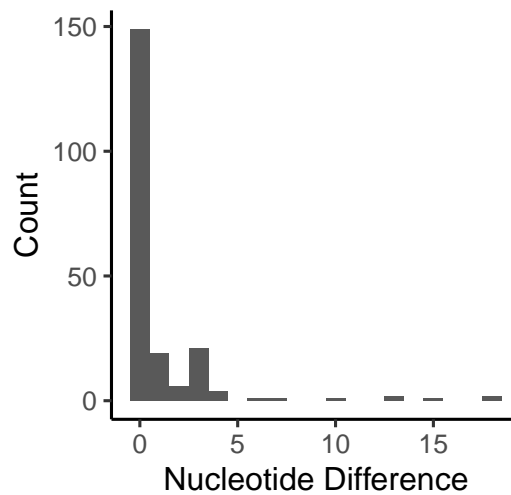
IGHV3-66*01

333 sequences assigned
228 (68.5%) exact matches, in which:
207 unique CDR3
6 unique J



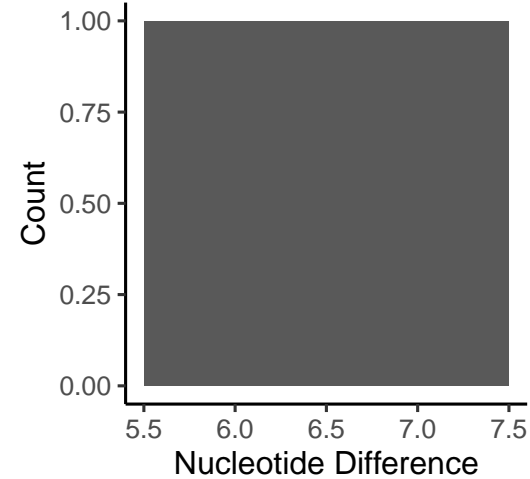
IGHV3-73*01

207 sequences assigned
149 (72%) exact matches, in which:
137 unique CDR3
7 unique J



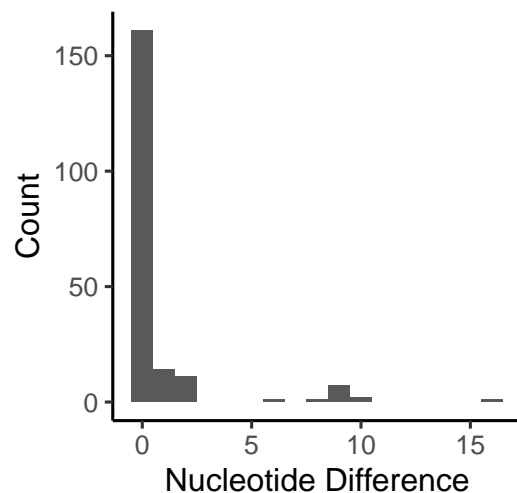
IGHV3-NL1*01

2 sequences assigned
No exact matches.



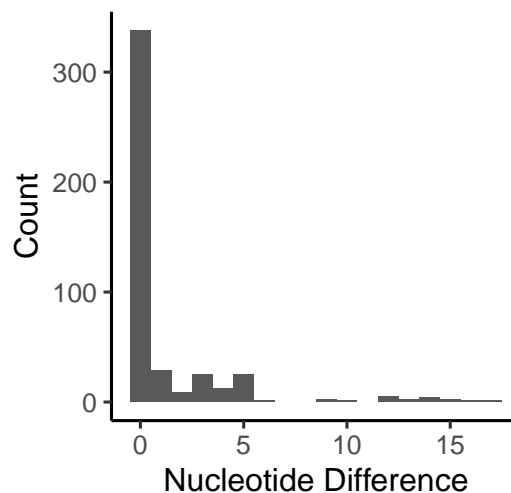
IGHV3-66*02

199 sequences assigned
161 (80.9%) exact matches, in which:
157 unique CDR3
6 unique J



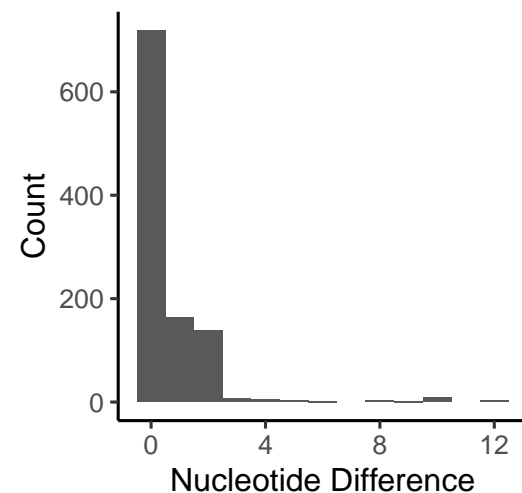
IGHV3-74*01

459 sequences assigned
338 (73.6%) exact matches, in which:
332 unique CDR3
7 unique J



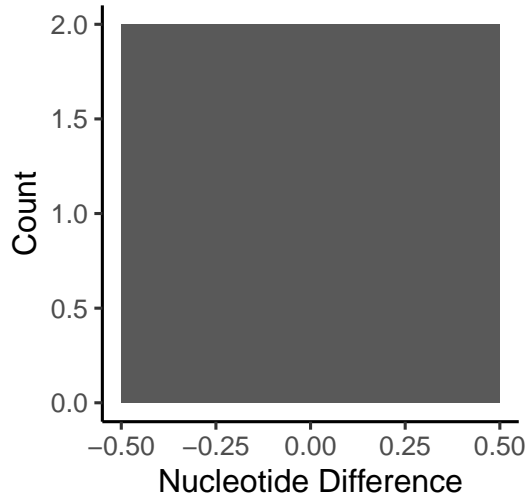
IGHV4-4*07

1052 sequences assigned
719 (68.3%) exact matches, in which:
695 unique CDR3
7 unique J



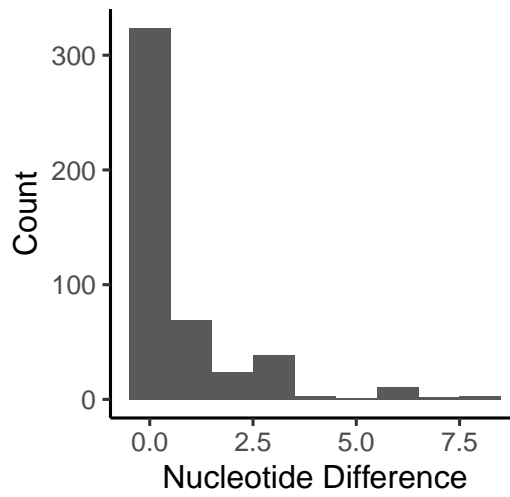
IGHV4-28*01

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



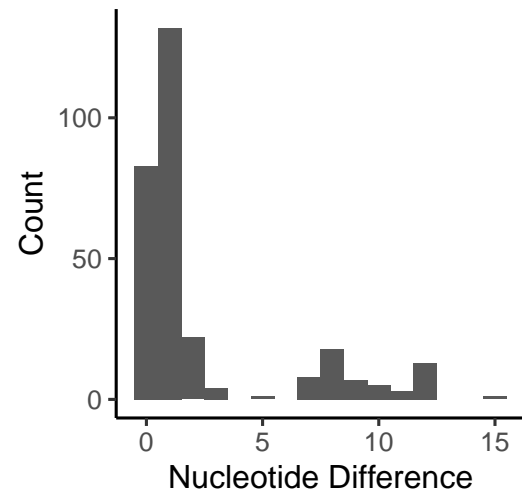
IGHV4-30-4*01

476 sequences assigned
324 (68.1%) exact matches, in which:
312 unique CDR3
7 unique J



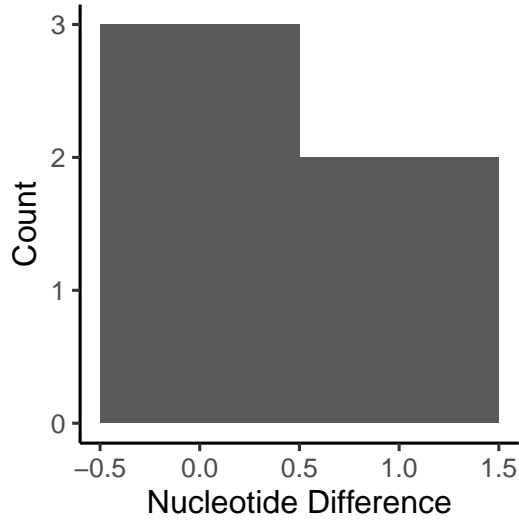
IGHV4-34*01_T300C

297 sequences assigned
83 (27.9%) exact matches, in which:
83 unique CDR3
6 unique J



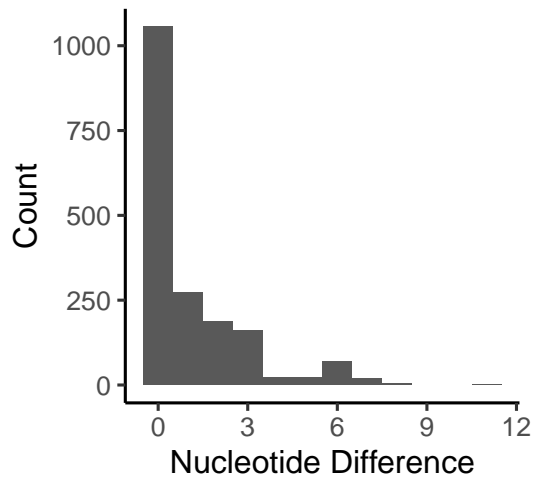
IGHV4-28*02

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
3 unique J



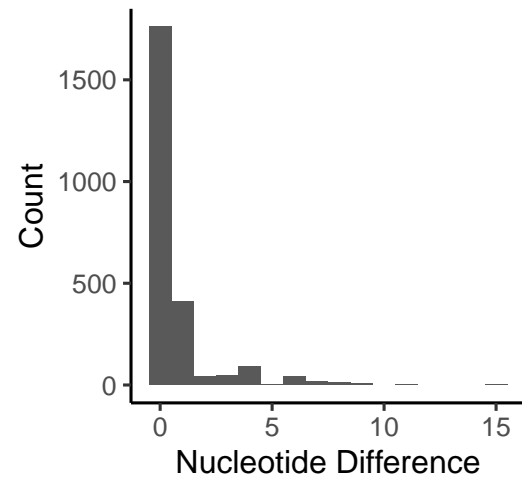
IGHV4-31*03

1820 sequences assigned
1056 (58%) exact matches, in which:
1007 unique CDR3
7 unique J



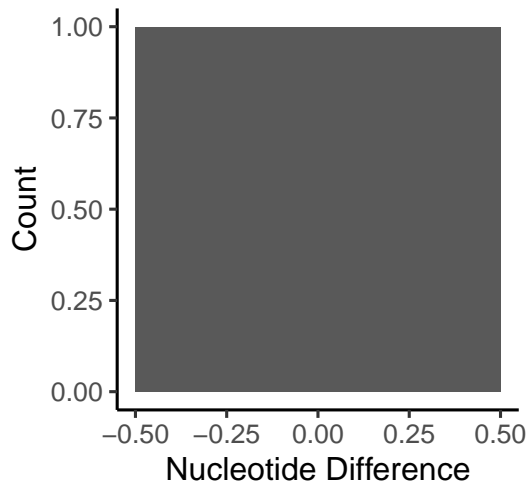
IGHV4-39*07

2437 sequences assigned
1761 (72.3%) exact matches, in which:
1719 unique CDR3
7 unique J



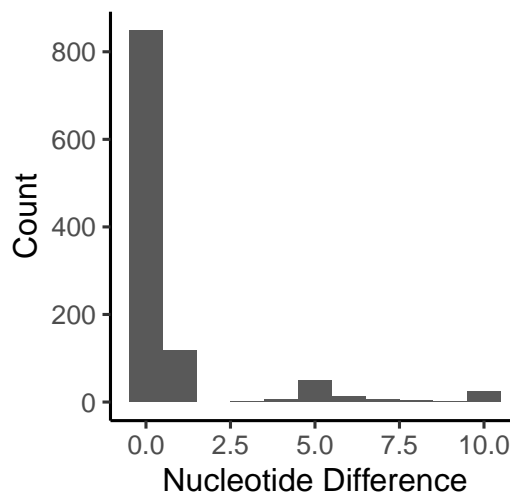
IGHV4-28*03

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



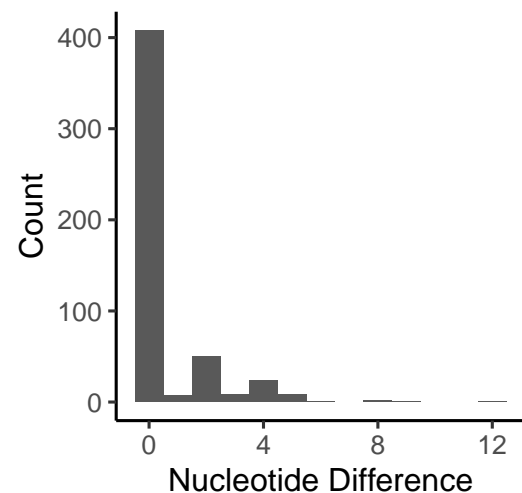
IGHV4-34*01

1070 sequences assigned
849 (79.3%) exact matches, in which:
818 unique CDR3
7 unique J



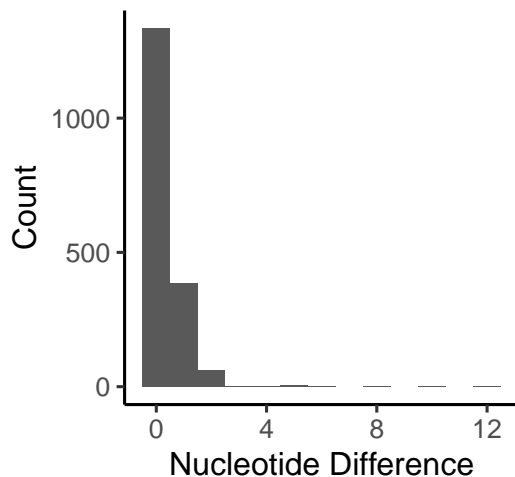
IGHV4-39*07_C4G

510 sequences assigned
408 (80%) exact matches, in which:
349 unique CDR3
7 unique J



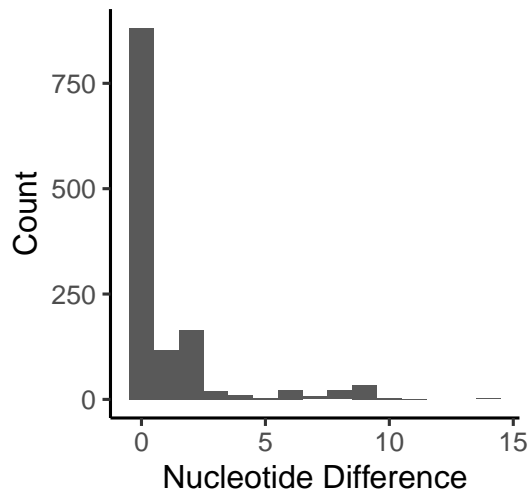
IGHV4-59*01

1793 sequences assigned
1334 (74.4%) exact matches, in which:
1255 unique CDR3
7 unique J



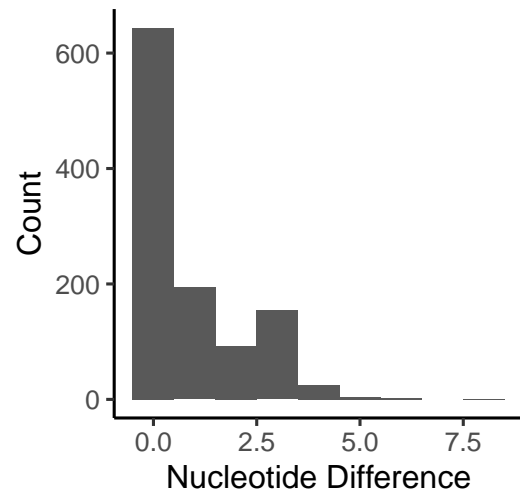
IGHV4-61*02

1288 sequences assigned
882 (68.5%) exact matches, in which:
868 unique CDR3
7 unique J



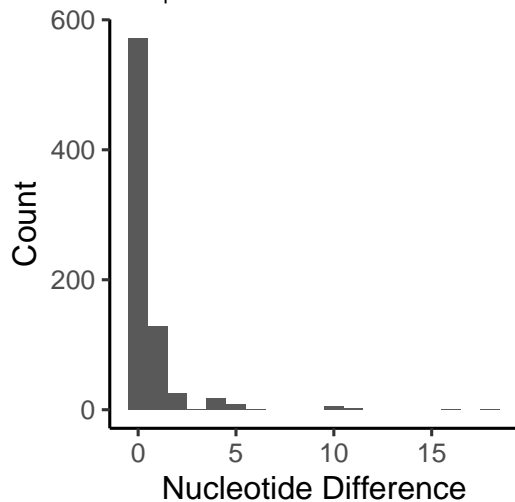
IGHV5-51*01

1116 sequences assigned
644 (57.7%) exact matches, in which:
610 unique CDR3
7 unique J



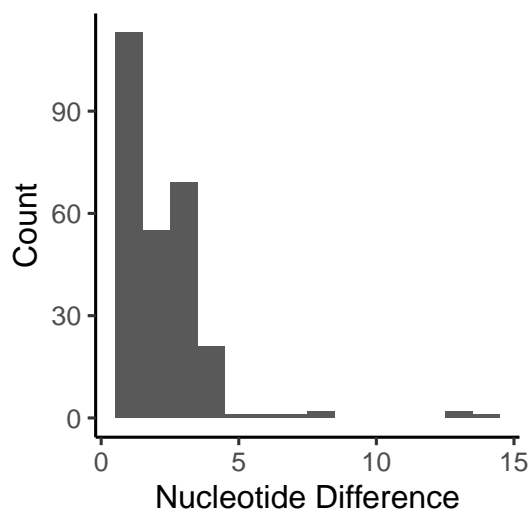
IGHV4-59*08

763 sequences assigned
572 (75%) exact matches, in which:
535 unique CDR3
7 unique J



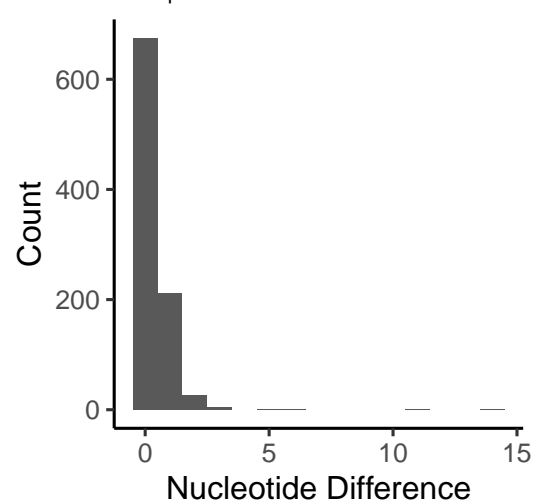
IGHV5-10-1*01

266 sequences assigned
No exact matches.



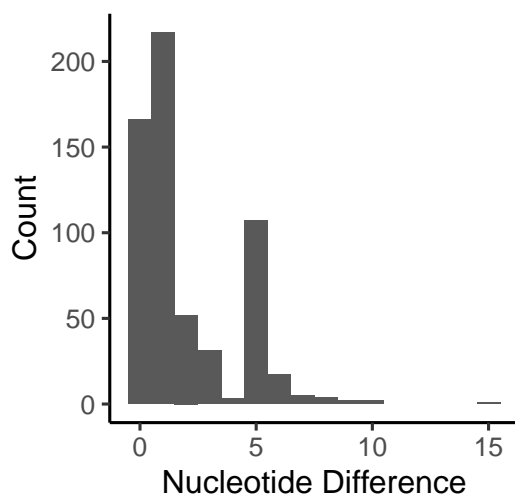
IGHV5-51*01_C45G

920 sequences assigned
675 (73.4%) exact matches, in which:
646 unique CDR3
7 unique J



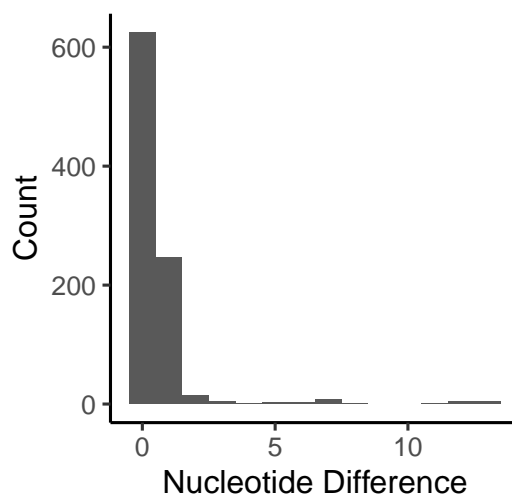
IGHV4-59*12

607 sequences assigned
166 (27.3%) exact matches, in which:
166 unique CDR3
6 unique J



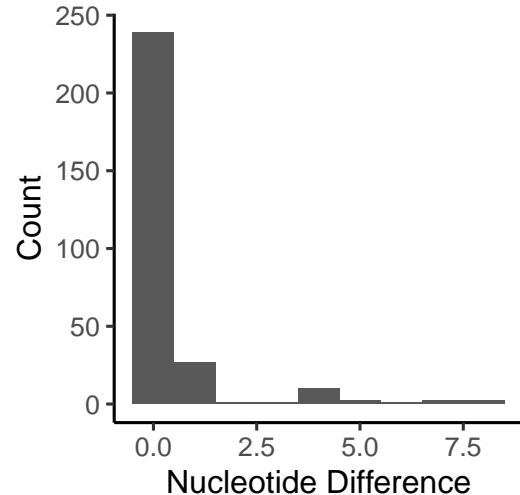
IGHV5-10-1*03

915 sequences assigned
625 (68.3%) exact matches, in which:
608 unique CDR3
7 unique J



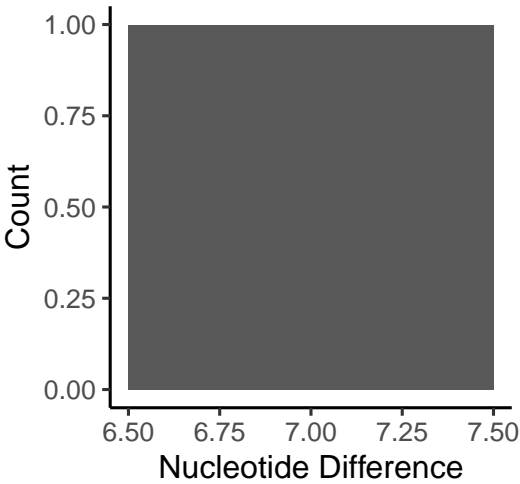
IGHV6-1*01

285 sequences assigned
239 (83.9%) exact matches, in which:
224 unique CDR3
7 unique J

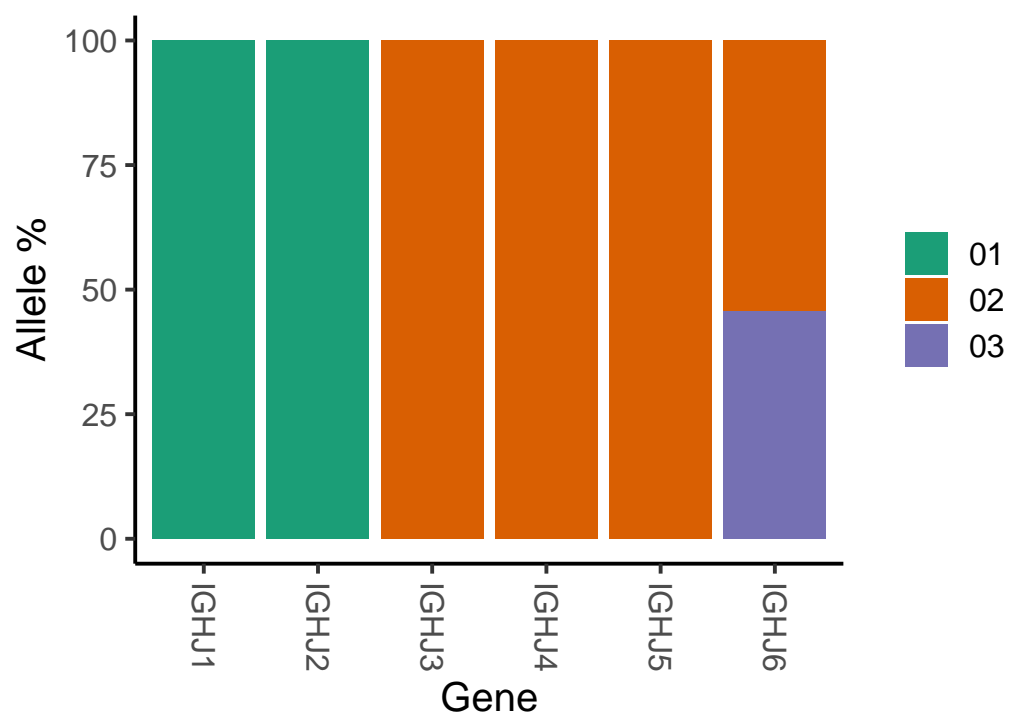


IGHV7-81*01

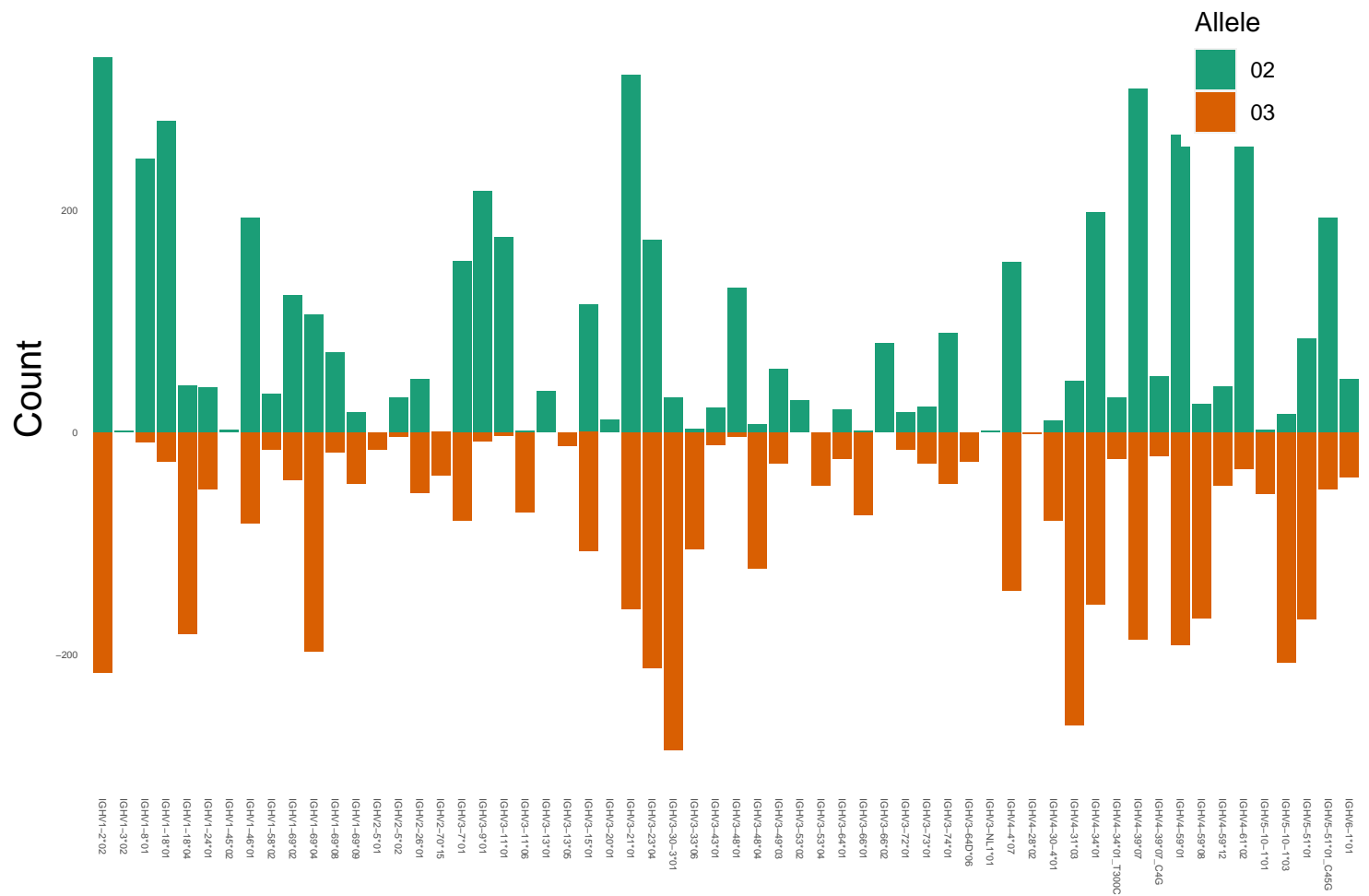
1 sequences assigned
No exact matches.



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.