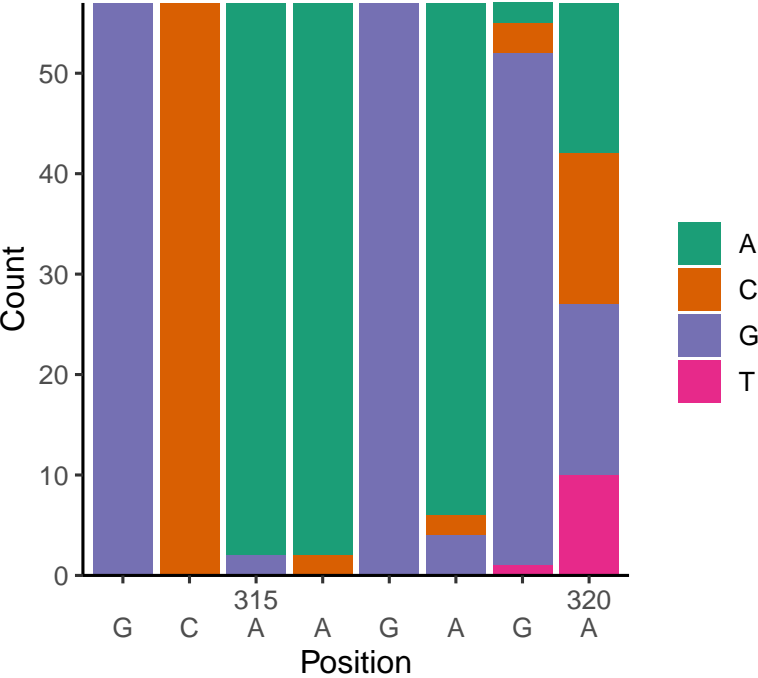


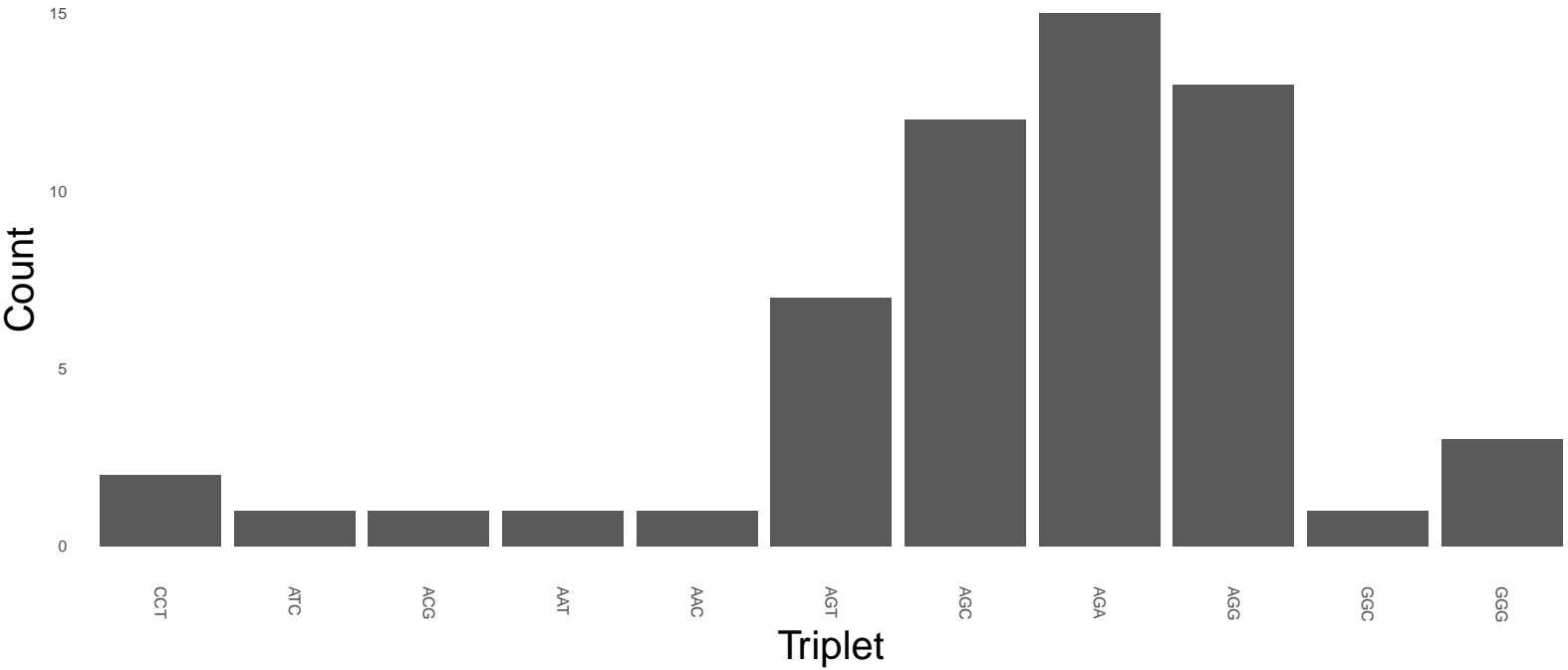
Gene IGHV3-13*01_G290A_T300C



Gene IGHV3-13*01_G290A_T300C

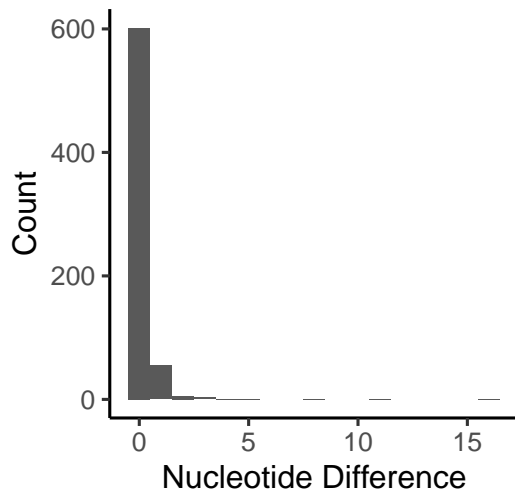


IGHV3-13*01_G290A_T300C- Final 3 nucleotides as a triplet



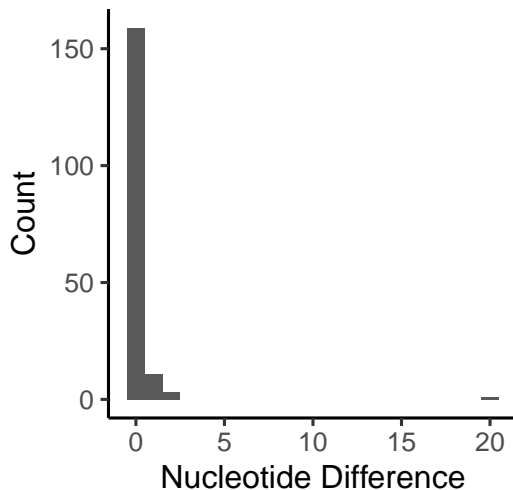
IGHV1-2*04

671 sequences assigned
602 (89.7%) exact matches, in which:
582 unique CDR3
6 unique J



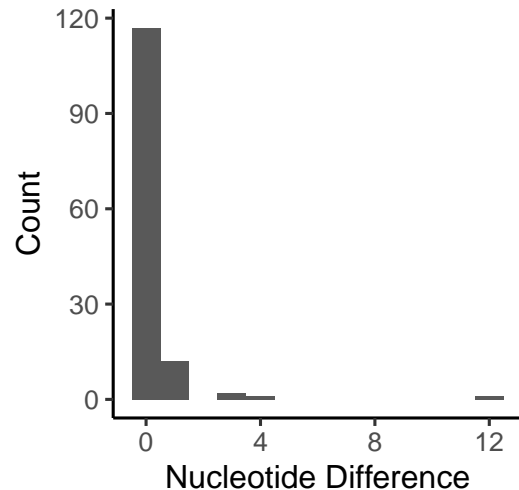
IGHV1-24*01

174 sequences assigned
159 (91.4%) exact matches, in which:
154 unique CDR3
6 unique J



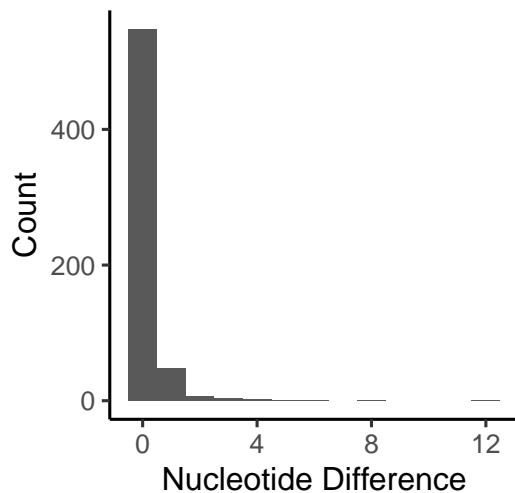
IGHV1-58*02

133 sequences assigned
117 (88%) exact matches, in which:
115 unique CDR3
6 unique J



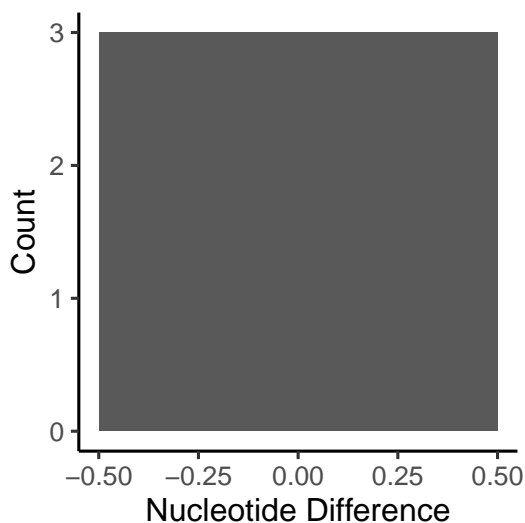
IGHV1-3*01

613 sequences assigned
548 (89.4%) exact matches, in which:
543 unique CDR3
6 unique J



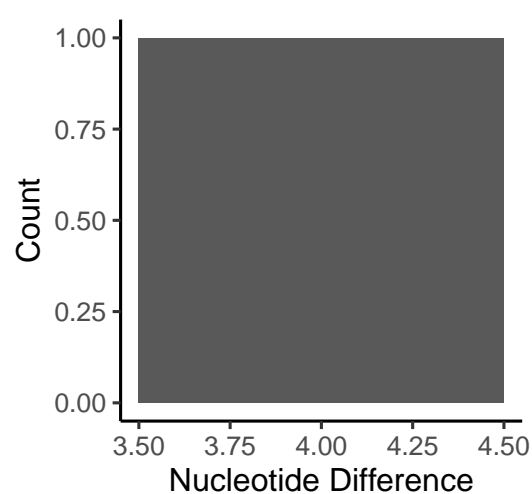
IGHV1-45*02

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



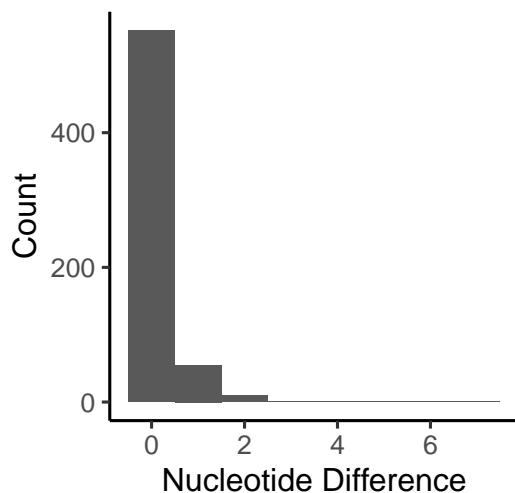
IGHV1-68*02

1 sequences assigned
No exact matches.



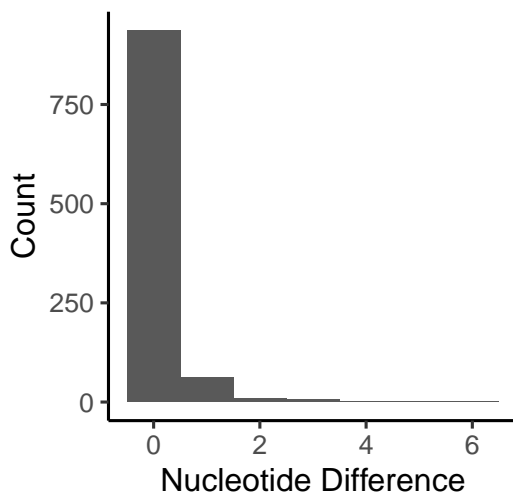
IGHV1-18*01

623 sequences assigned
552 (88.6%) exact matches, in which:
545 unique CDR3
6 unique J



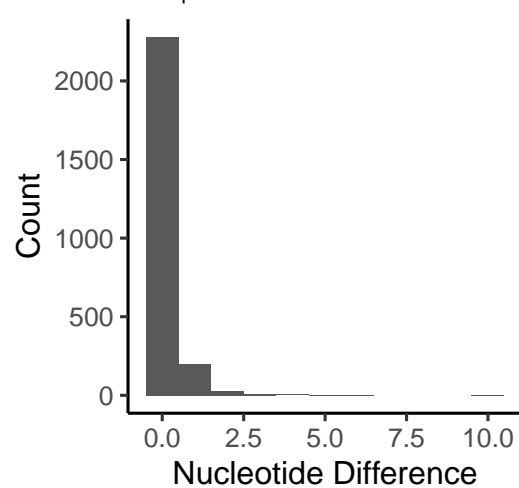
IGHV1-46*01

1022 sequences assigned
937 (91.7%) exact matches, in which:
915 unique CDR3
6 unique J



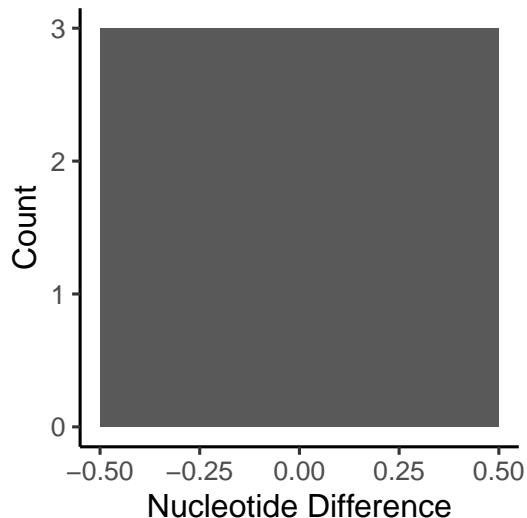
IGHV1-69*04

2525 sequences assigned
2279 (90.3%) exact matches, in which:
2208 unique CDR3
6 unique J



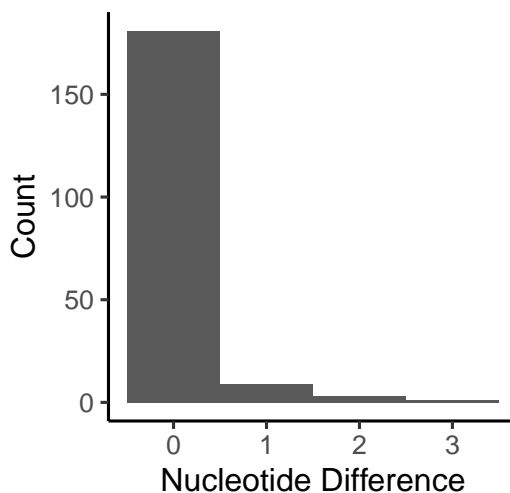
IGHV1–69D*01

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



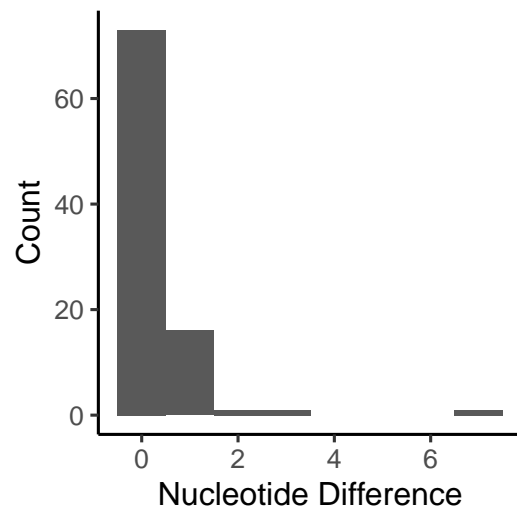
IGHV2–70*15

194 sequences assigned
181 (93.3%) exact matches, in which:
181 unique CDR3
5 unique J



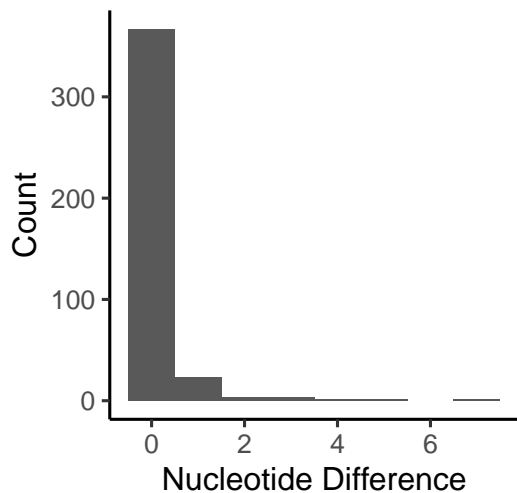
IGHV3–11*06

92 sequences assigned
73 (79.3%) exact matches, in which:
73 unique CDR3
6 unique J



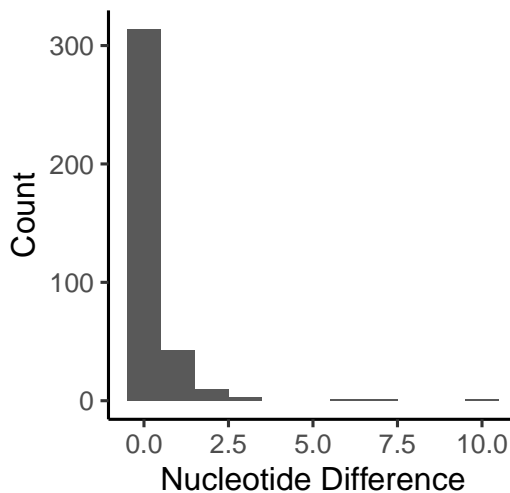
IGHV2–5*02

399 sequences assigned
367 (92%) exact matches, in which:
362 unique CDR3
6 unique J



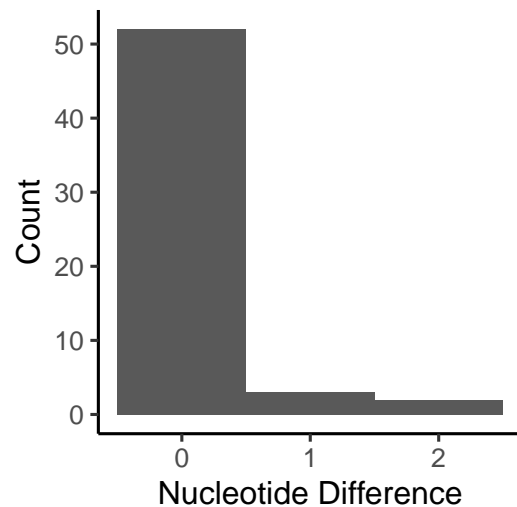
IGHV3–7*03

374 sequences assigned
314 (84%) exact matches, in which:
308 unique CDR3
6 unique J



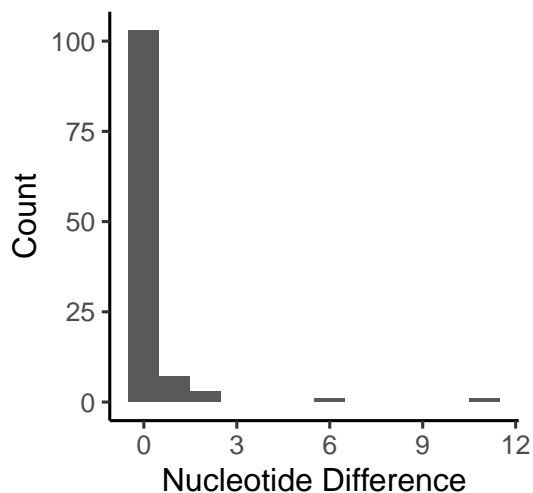
IGHV3–13*01_G290A_T302A

57 sequences assigned
52 (91.2%) exact matches, in which:
50 unique CDR3
5 unique J



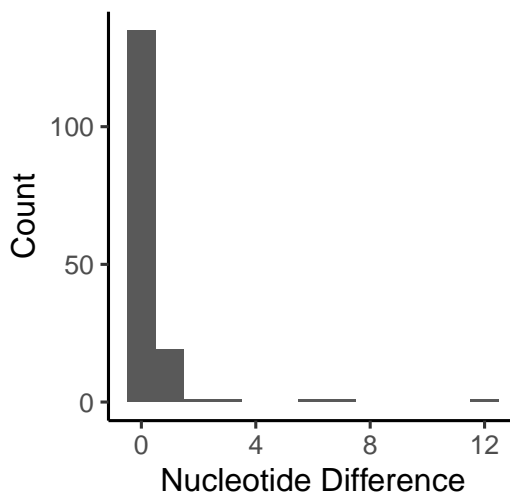
IGHV2–26*01

115 sequences assigned
103 (89.6%) exact matches, in which:
103 unique CDR3
6 unique J



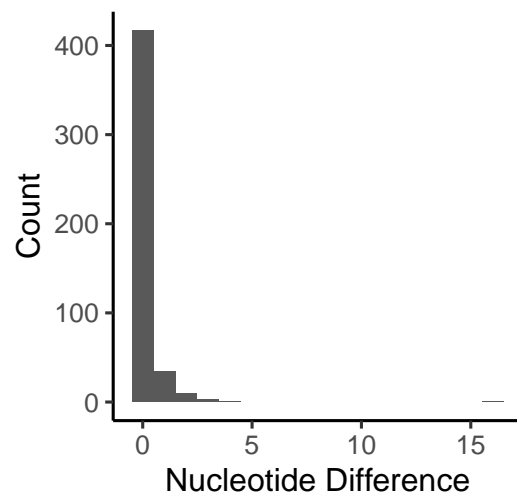
IGHV3–7*04

159 sequences assigned
135 (84.9%) exact matches, in which:
130 unique CDR3
6 unique J



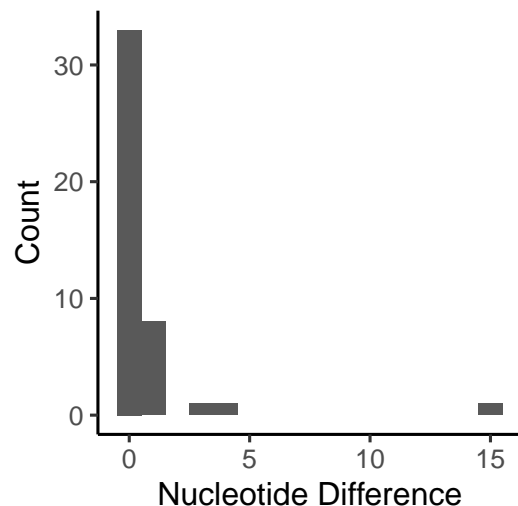
IGHV3–15*07

466 sequences assigned
417 (89.5%) exact matches, in which:
403 unique CDR3
6 unique J



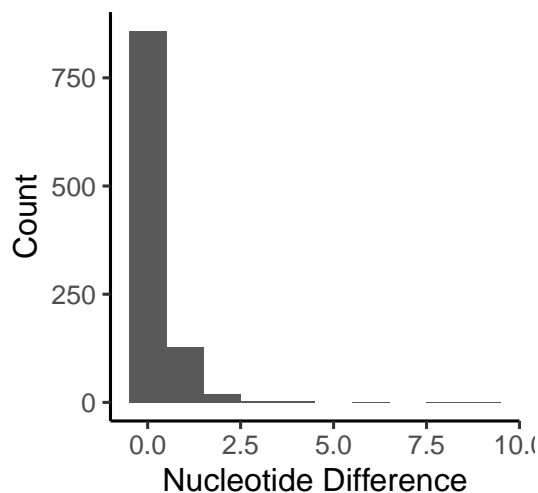
IGHV3-20*04

44 sequences assigned
33 (75%) exact matches, in which:
32 unique CDR3
5 unique J



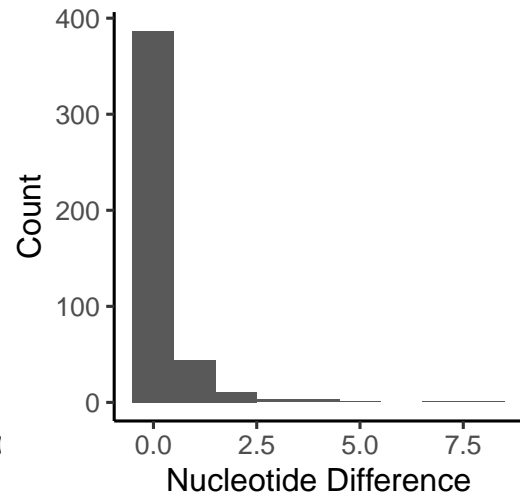
IGHV3-33*01

1018 sequences assigned
859 (84.4%) exact matches, in which:
835 unique CDR3
6 unique J



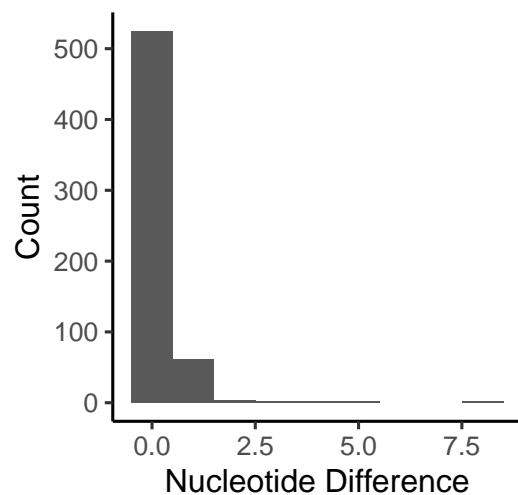
IGHV3-43*02

452 sequences assigned
387 (85.6%) exact matches, in which:
373 unique CDR3
6 unique J



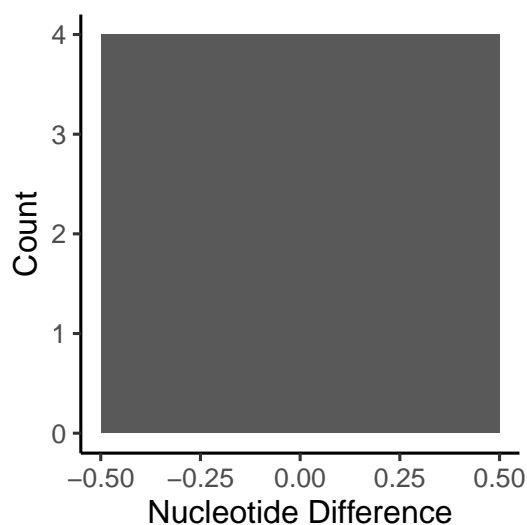
IGHV3-21*01

598 sequences assigned
525 (87.8%) exact matches, in which:
505 unique CDR3
6 unique J



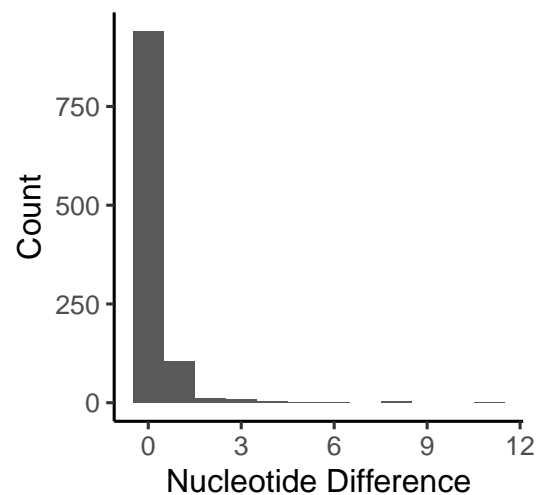
IGHV3-38-3*01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



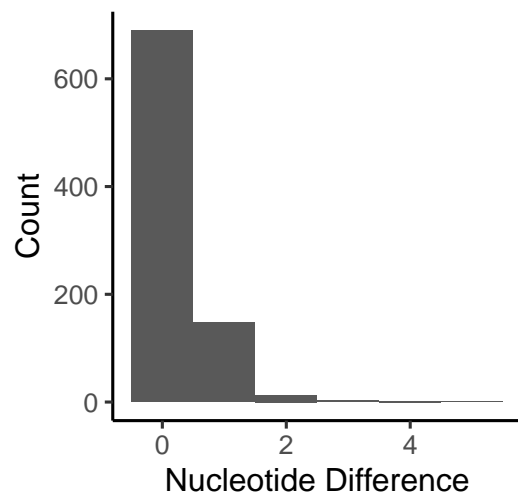
IGHV3-48*03

1075 sequences assigned
941 (87.5%) exact matches, in which:
912 unique CDR3
6 unique J



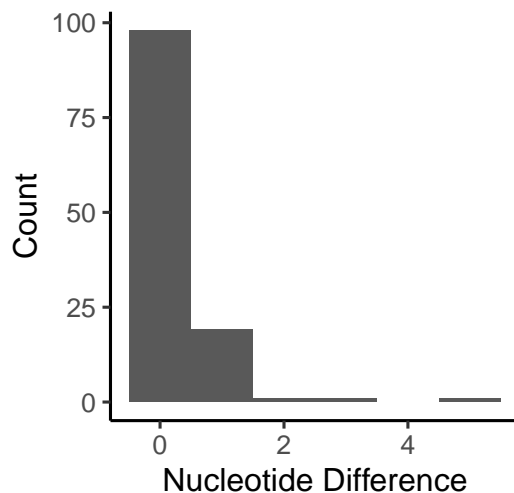
IGHV3-30-3*01

858 sequences assigned
690 (80.4%) exact matches, in which:
665 unique CDR3
6 unique J



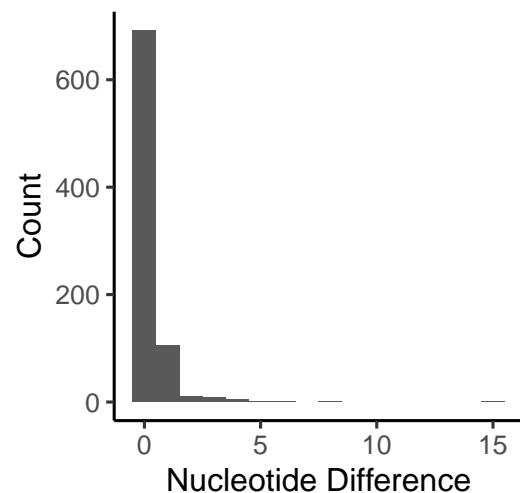
IGHV3-43*01

120 sequences assigned
98 (81.7%) exact matches, in which:
94 unique CDR3
6 unique J



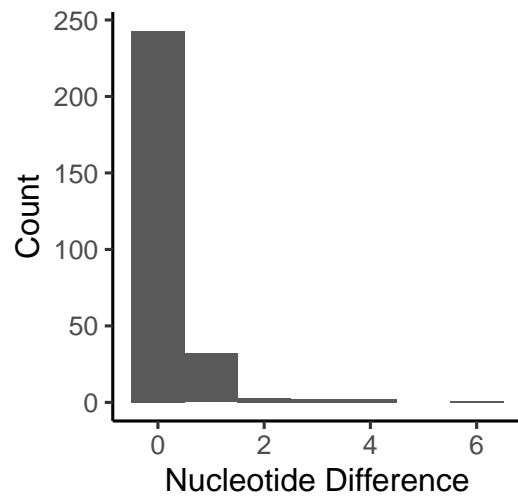
IGHV3-48*04

823 sequences assigned
692 (84.1%) exact matches, in which:
675 unique CDR3
6 unique J



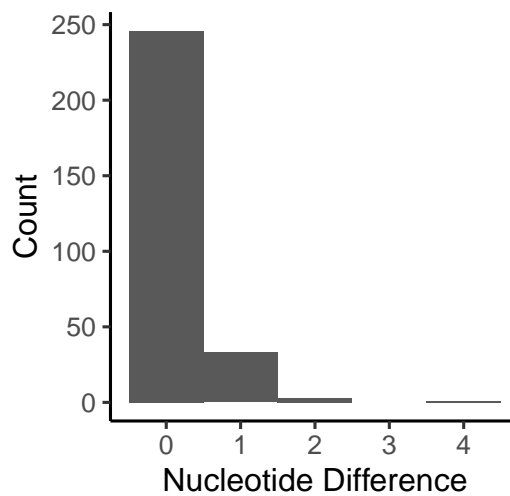
IGHV3-49*03

283 sequences assigned
243 (85.9%) exact matches, in which:
238 unique CDR3
6 unique J



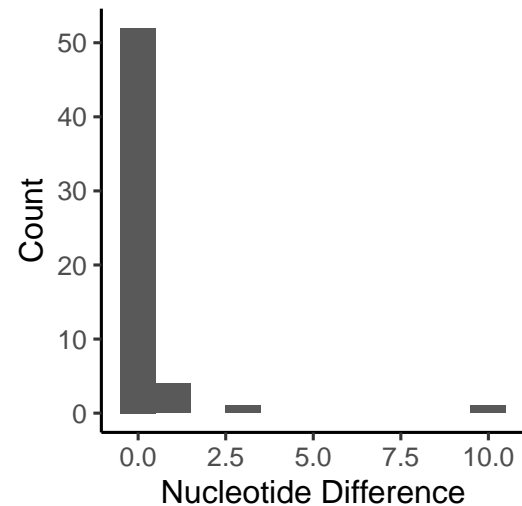
IGHV3-64*01

284 sequences assigned
246 (86.6%) exact matches, in which:
235 unique CDR3
6 unique J



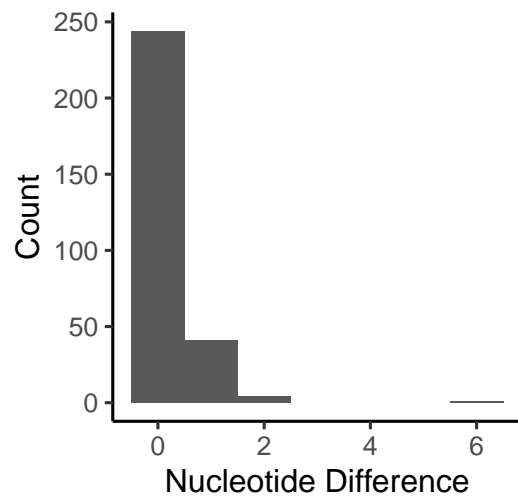
IGHV3-72*01

59 sequences assigned
52 (88.1%) exact matches, in which:
50 unique CDR3
5 unique J



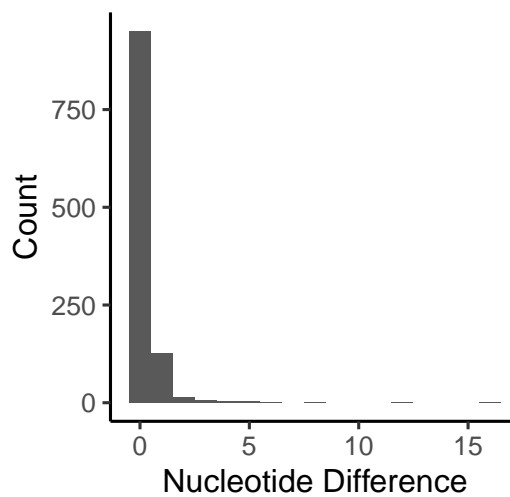
IGHV3-49*04

290 sequences assigned
244 (84.1%) exact matches, in which:
239 unique CDR3
6 unique J



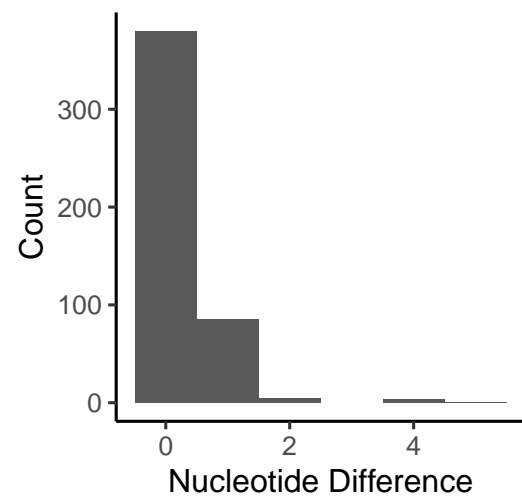
IGHV3-66*01

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



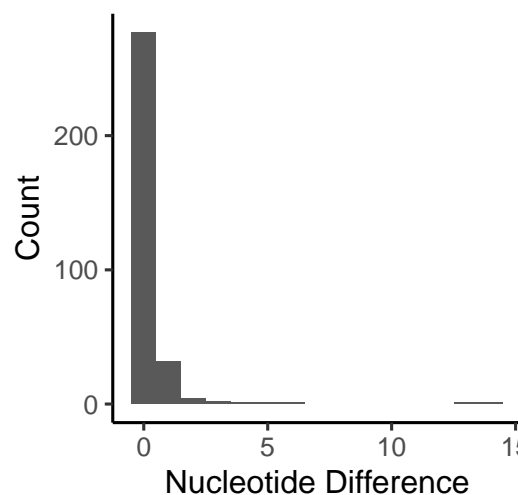
IGHV3-73*01

475 sequences assigned
380 (80%) exact matches, in which:
356 unique CDR3
6 unique J



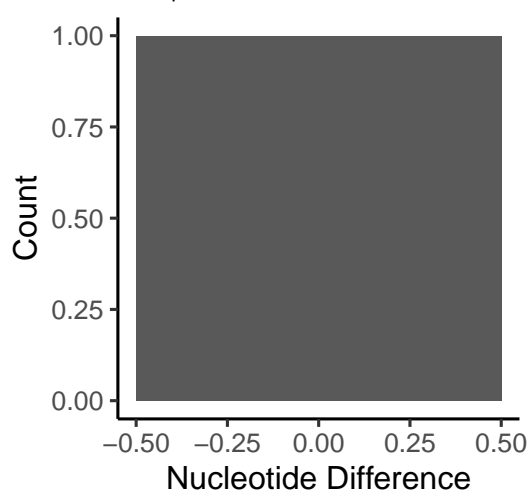
IGHV3-53*04

320 sequences assigned
277 (86.6%) exact matches, in which:
271 unique CDR3
6 unique J



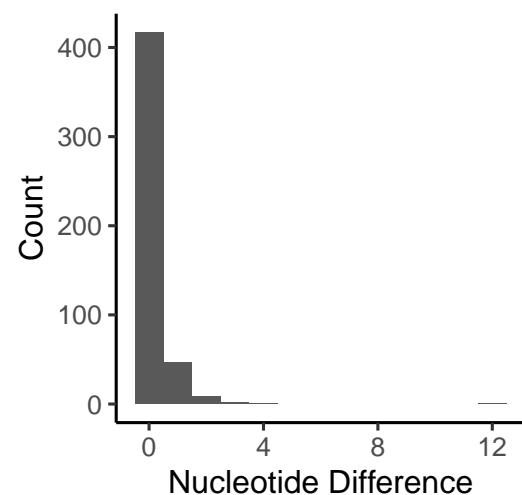
IGHV3-69-1*02

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



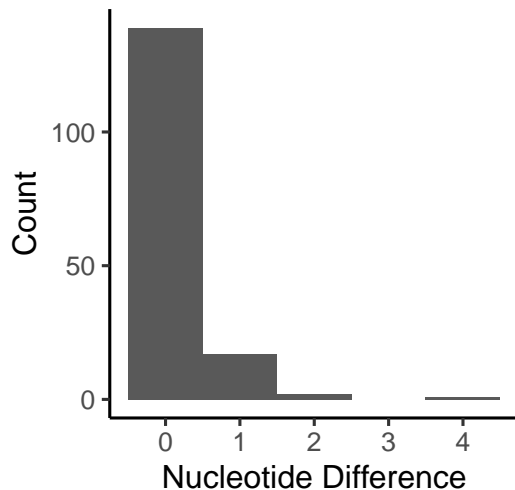
IGHV3-74*01

476 sequences assigned
417 (87.6%) exact matches, in which:
408 unique CDR3
6 unique J



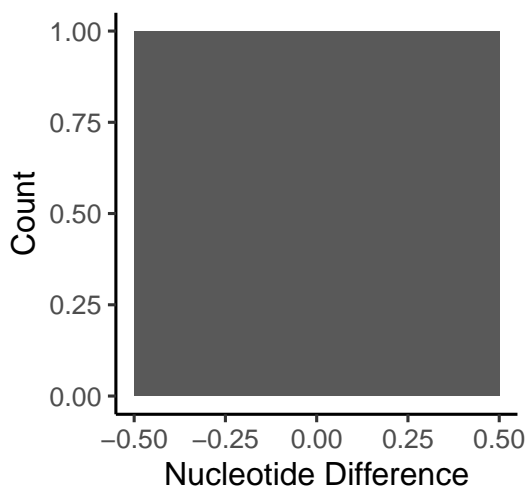
IGHV3-43D*03

159 sequences assigned
139 (87.4%) exact matches, in which:
136 unique CDR3
5 unique J



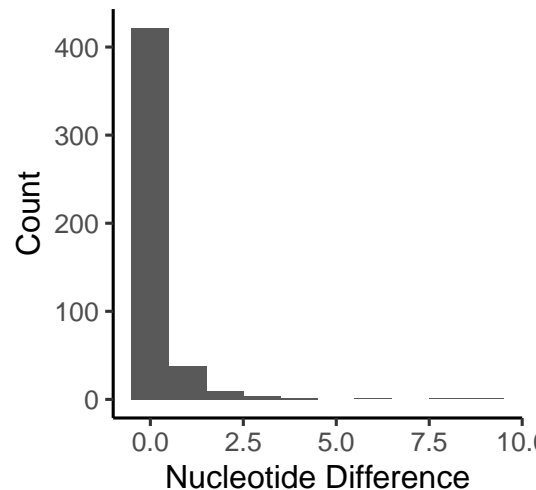
IGHV4-28*01

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



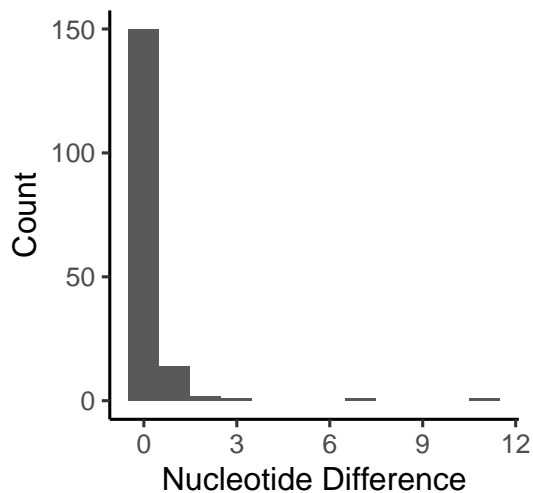
IGHV4-31*03

479 sequences assigned
422 (88.1%) exact matches, in which:
416 unique CDR3
6 unique J



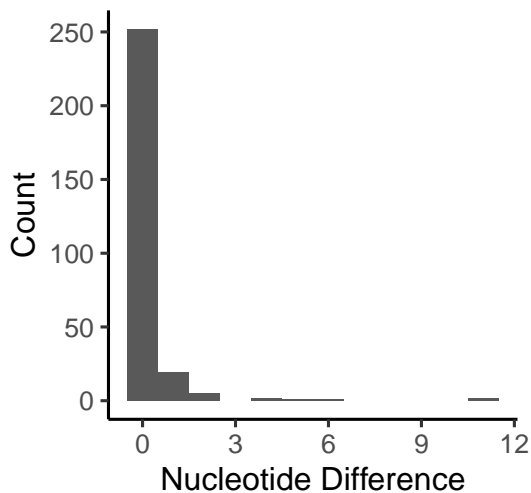
IGHV3-64D*06

169 sequences assigned
150 (88.8%) exact matches, in which:
147 unique CDR3
6 unique J



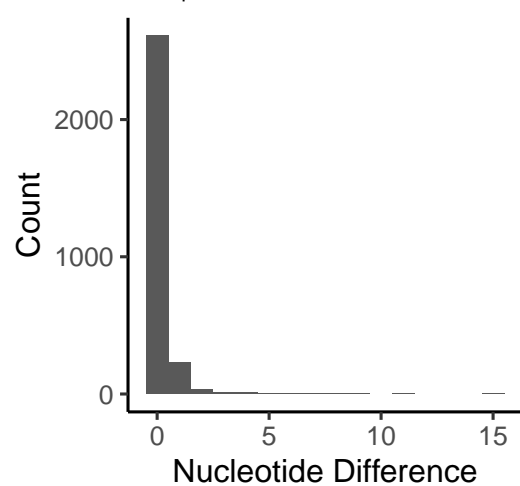
IGHV4-30-4*01

282 sequences assigned
252 (89.4%) exact matches, in which:
247 unique CDR3
6 unique J



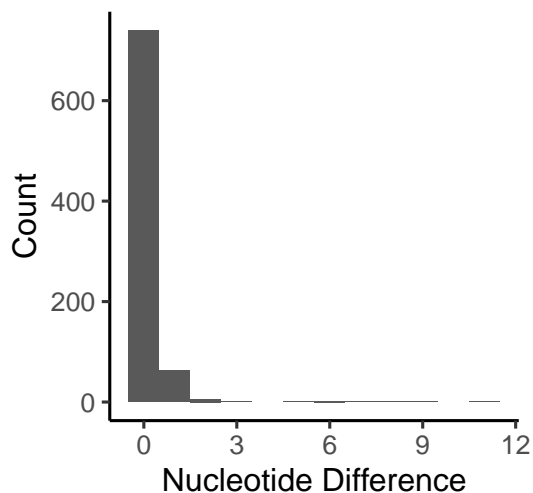
IGHV4-34*01

2914 sequences assigned
2611 (89.6%) exact matches, in which:
2533 unique CDR3
6 unique J



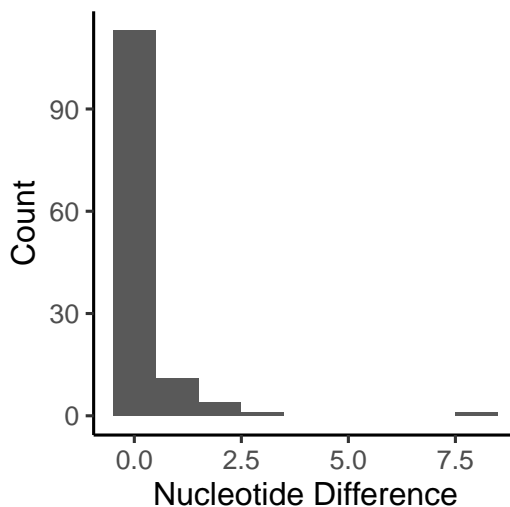
IGHV4-4*02

824 sequences assigned
740 (89.8%) exact matches, in which:
730 unique CDR3
6 unique J



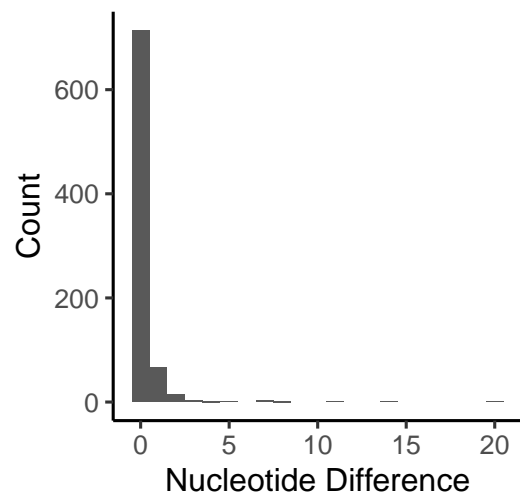
IGHV4-30-2*01

130 sequences assigned
113 (86.9%) exact matches, in which:
112 unique CDR3
5 unique J



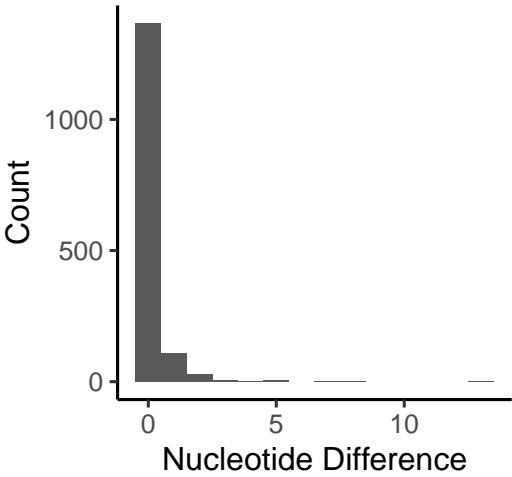
IGHV4-38-2*02

809 sequences assigned
714 (88.3%) exact matches, in which:
690 unique CDR3
6 unique J



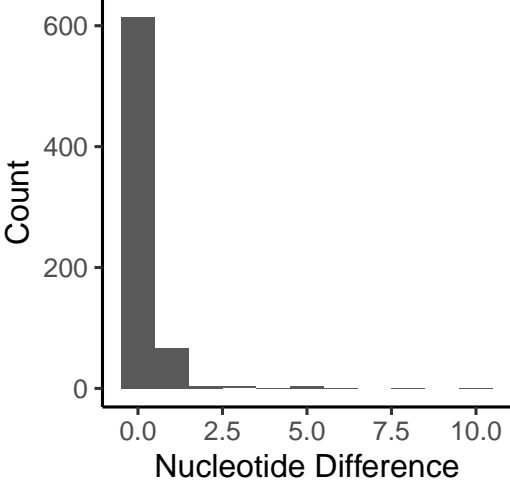
IGHV4–39*01

1519 sequences assigned
1366 (89.9%) exact matches, in which:
1318 unique CDR3
6 unique J



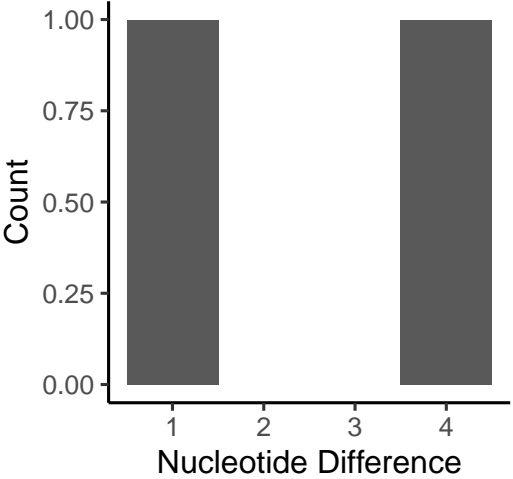
IGHV4–59*01

697 sequences assigned
615 (88.2%) exact matches, in which:
607 unique CDR3
6 unique J



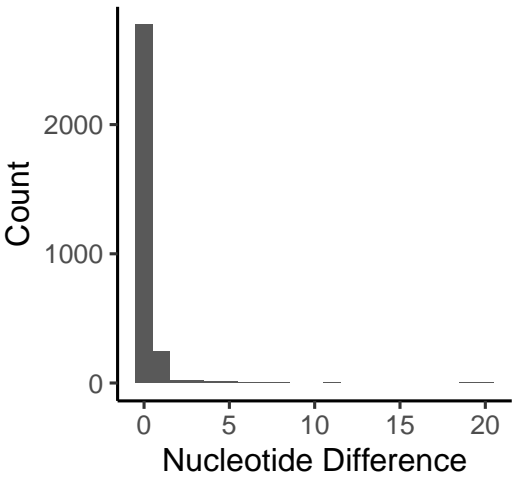
IGHV4–61*05

2 sequences assigned
No exact matches.



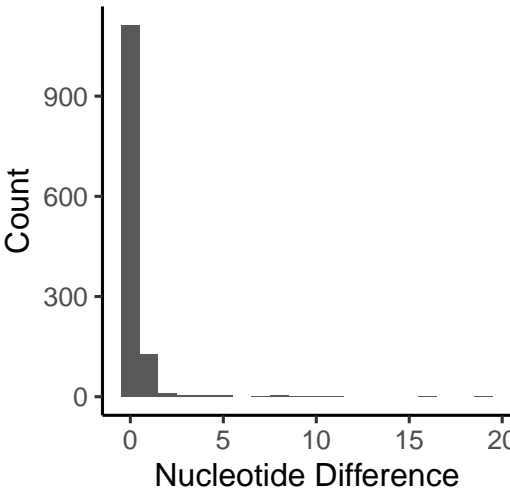
IGHV4–39*07

3092 sequences assigned
2773 (89.7%) exact matches, in which:
2684 unique CDR3
6 unique J



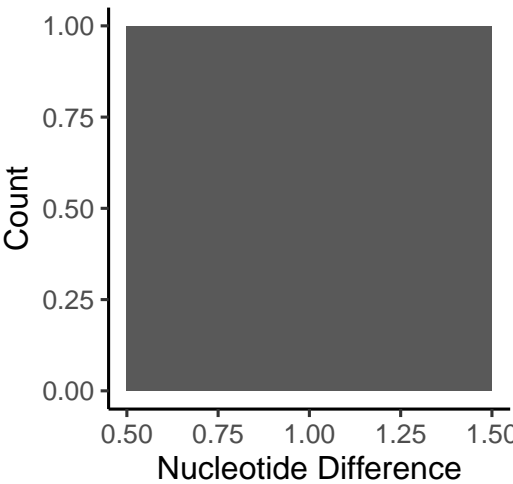
IGHV4–59*08

1272 sequences assigned
1113 (87.5%) exact matches, in which:
1090 unique CDR3
6 unique J



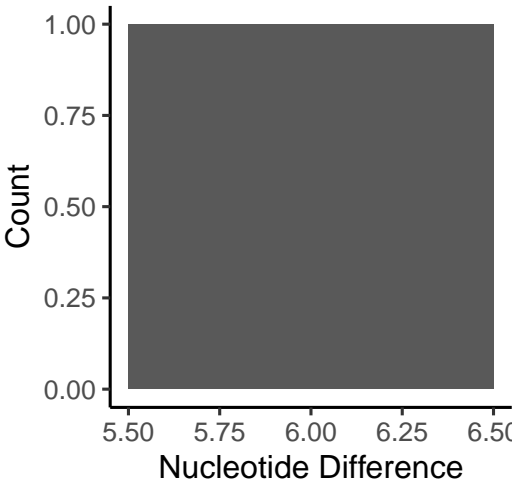
IGHV1/OR15–4*01

1 sequences assigned
No exact matches.



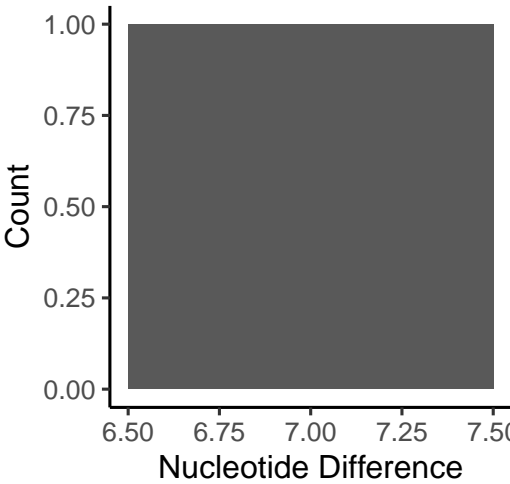
IGHV4–55*08

1 sequences assigned
No exact matches.



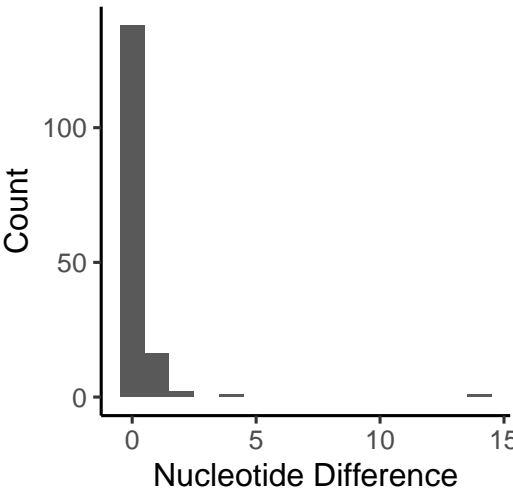
IGHV4–61*01

1 sequences assigned
No exact matches.



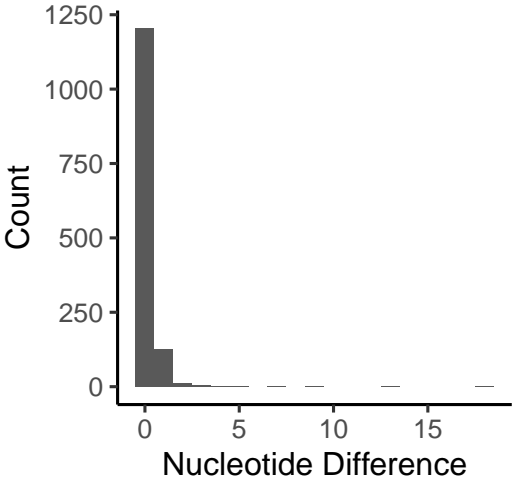
IGHV5–10–1*03

159 sequences assigned
138 (86.8%) exact matches, in which:
133 unique CDR3
5 unique J



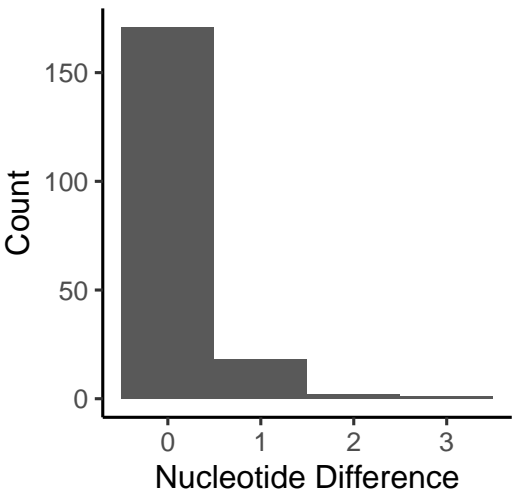
IGHV5-51*01

1358 sequences assigned
1204 (88.7%) exact matches, in which:
1169 unique CDR3
6 unique J



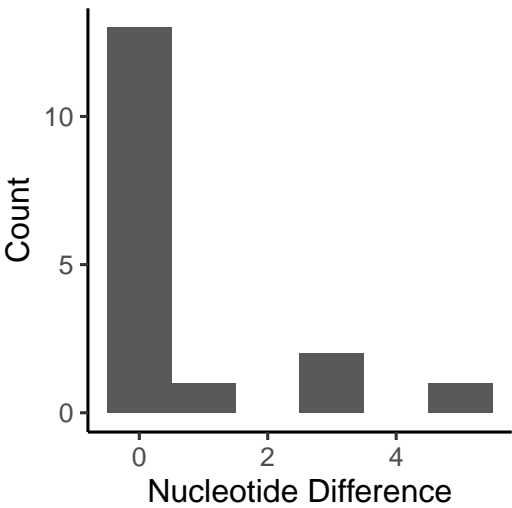
IGHV6-1*01

192 sequences assigned
171 (89.1%) exact matches, in which:
166 unique CDR3
6 unique J

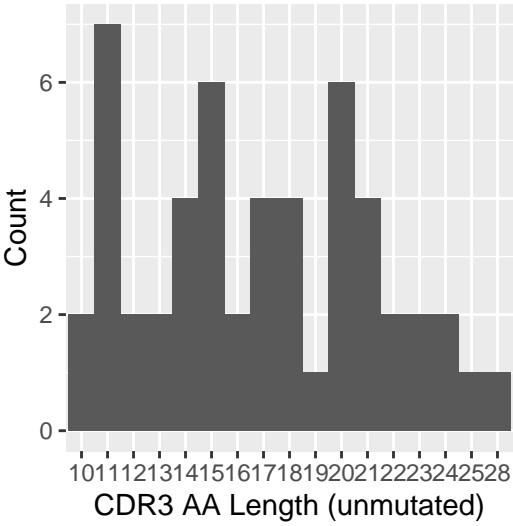


IGHV7-4-1*01

17 sequences assigned
13 (76.5%) exact matches, in which:
13 unique CDR3
5 unique J



IGHV3-13*01_G290A_T300C





Warning – no inferred sequences found.

Warning – no inferred sequences found.