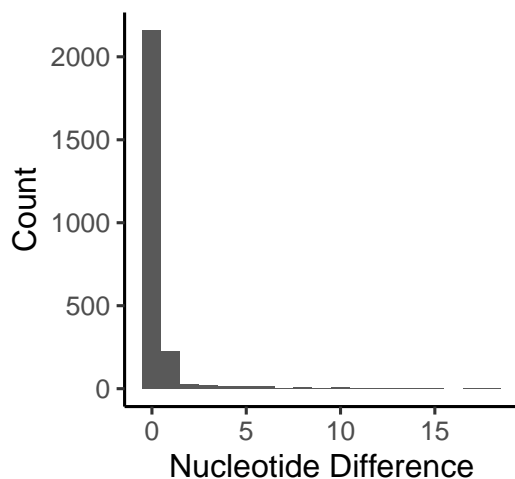


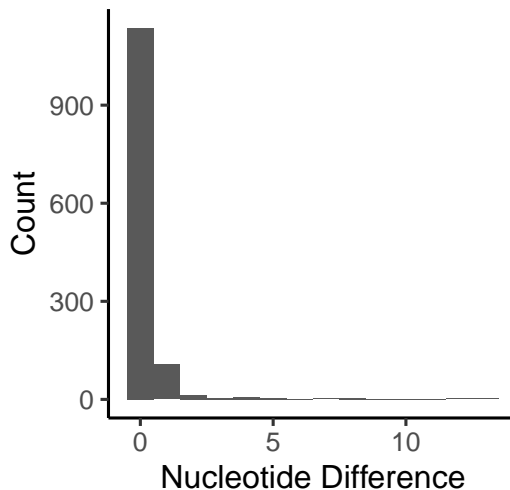
IGHV1-2*02

2521 sequences assigned
2159 (85.6%) exact matches, in which:
2150 unique CDR3
7 unique J



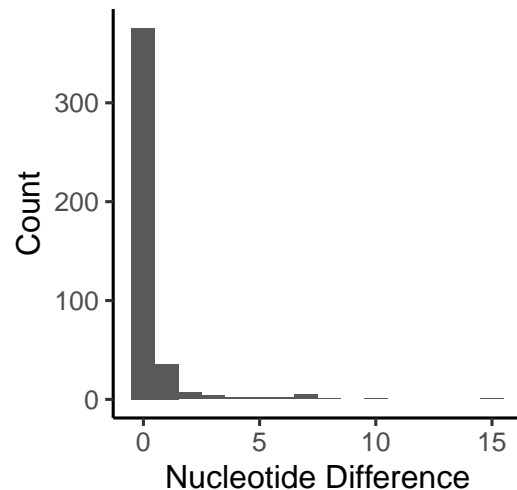
IGHV1-18*01

1292 sequences assigned
1137 (88%) exact matches, in which:
1134 unique CDR3
7 unique J



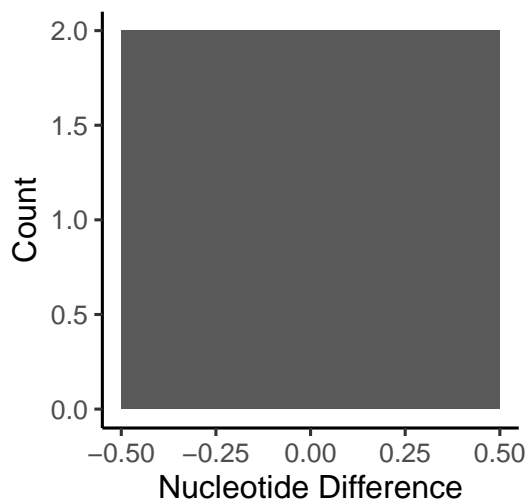
IGHV1-46*01

437 sequences assigned
376 (86%) exact matches, in which:
375 unique CDR3
7 unique J



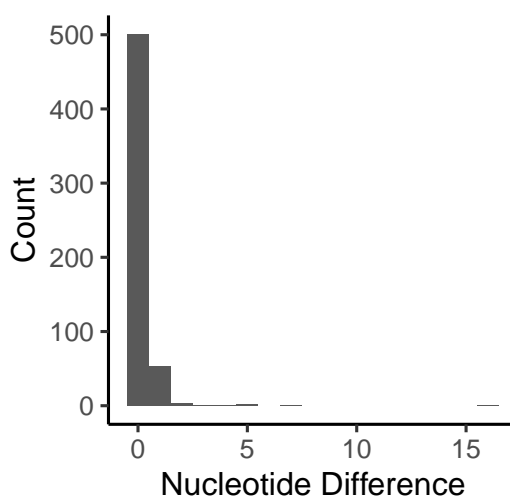
IGHV1-3*02

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



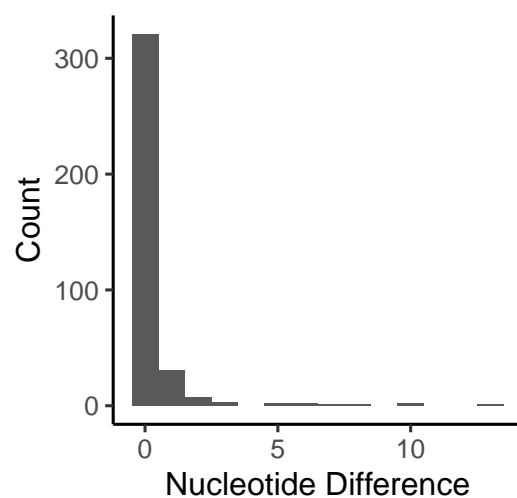
IGHV1-24*01

564 sequences assigned
501 (88.8%) exact matches, in which:
497 unique CDR3
7 unique J



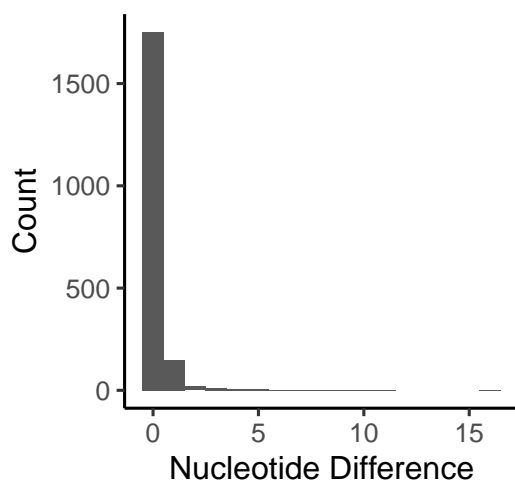
IGHV1-46*03

371 sequences assigned
321 (86.5%) exact matches, in which:
320 unique CDR3
6 unique J



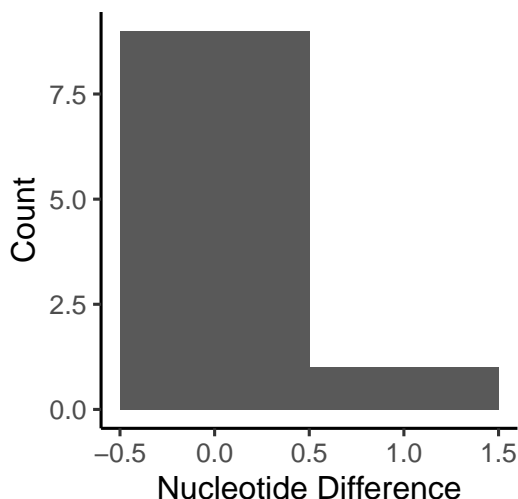
IGHV1-8*01

1957 sequences assigned
1752 (89.5%) exact matches, in which:
1745 unique CDR3
7 unique J



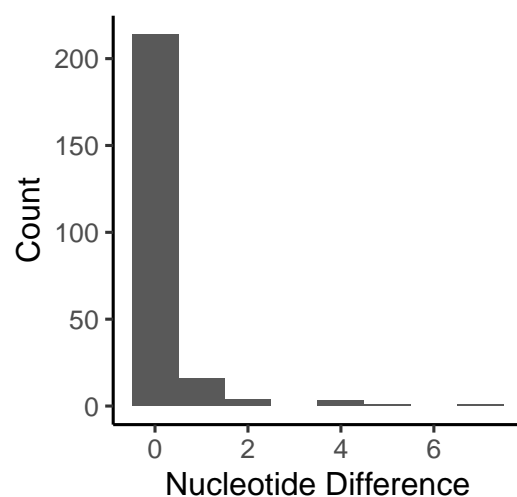
IGHV1-45*02

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
4 unique J



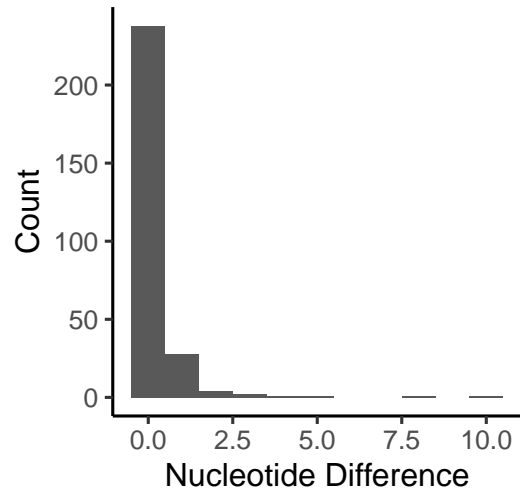
IGHV1-58*01

239 sequences assigned
214 (89.5%) exact matches, in which:
214 unique CDR3
6 unique J



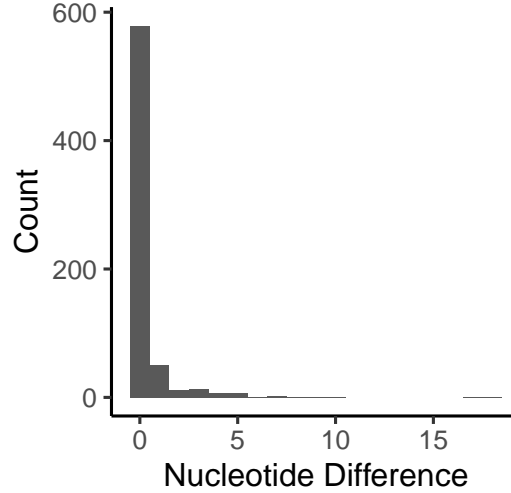
IGHV1–69–2*01

276 sequences assigned
238 (86.2%) exact matches, in which:
238 unique CDR3
7 unique J



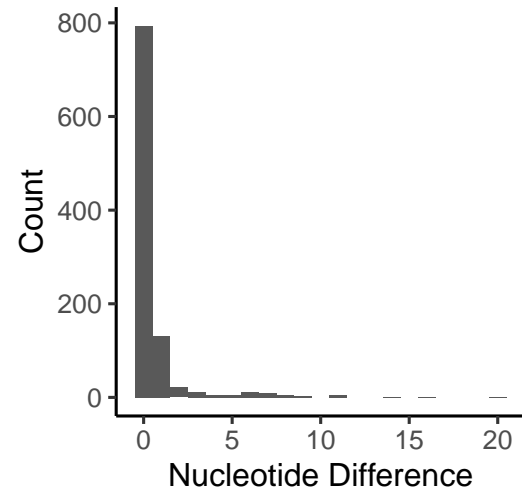
IGHV2–5*02

676 sequences assigned
579 (85.7%) exact matches, in which:
577 unique CDR3
6 unique J



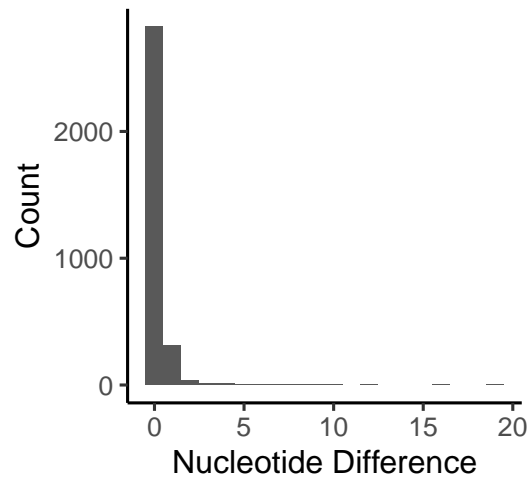
IGHV3–7*01

1008 sequences assigned
794 (78.8%) exact matches, in which:
793 unique CDR3
7 unique J



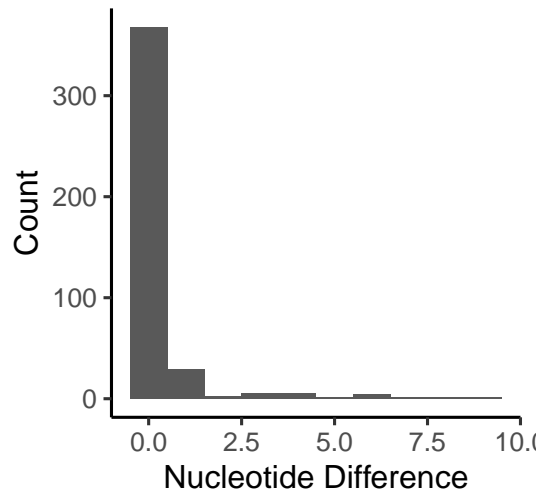
IGHV1–69*06

3231 sequences assigned
2826 (87.5%) exact matches, in which:
2814 unique CDR3
7 unique J



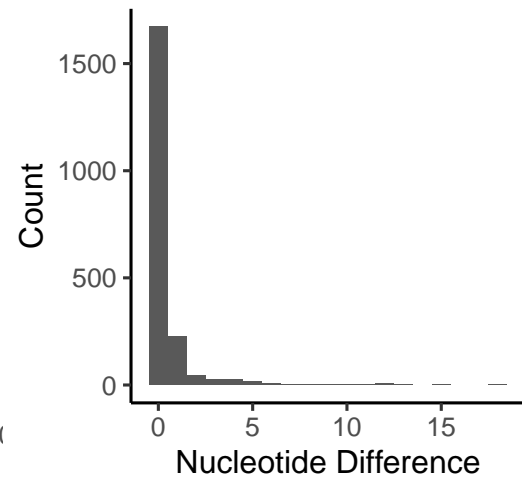
IGHV2–26*01

417 sequences assigned
368 (88.2%) exact matches, in which:
367 unique CDR3
6 unique J



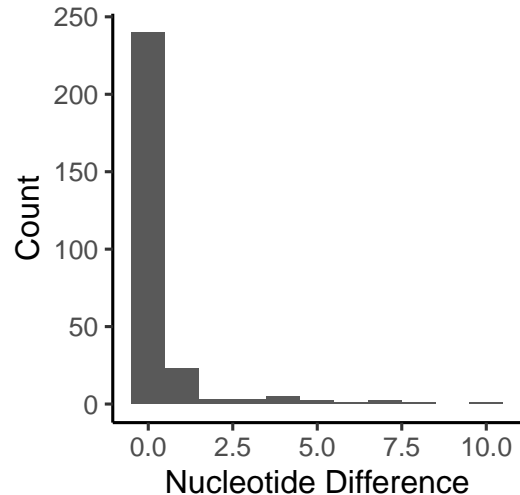
IGHV3–9*01

2034 sequences assigned
1672 (82.2%) exact matches, in which:
1667 unique CDR3
7 unique J



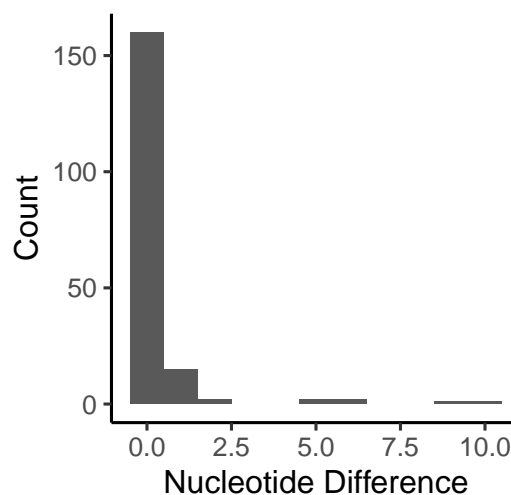
IGHV2–5*01

281 sequences assigned
240 (85.4%) exact matches, in which:
239 unique CDR3
7 unique J



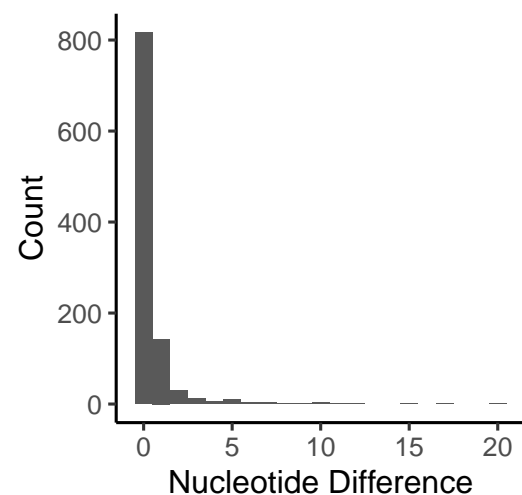
IGHV2–70*01

183 sequences assigned
160 (87.4%) exact matches, in which:
160 unique CDR3
7 unique J



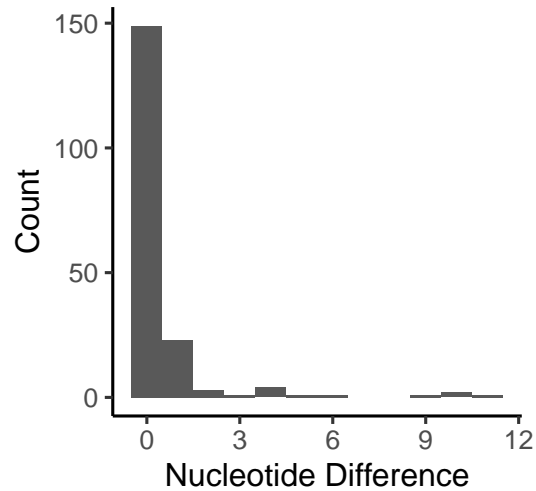
IGHV3–11*01

1037 sequences assigned
817 (78.8%) exact matches, in which:
815 unique CDR3
7 unique J



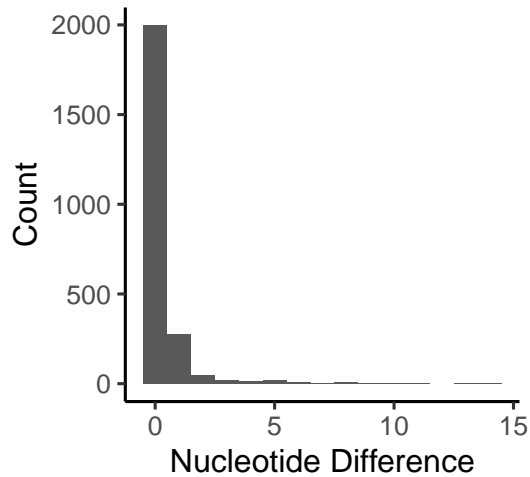
IGHV3-13*01

186 sequences assigned
149 (80.1%) exact matches, in which:
149 unique CDR3
6 unique J



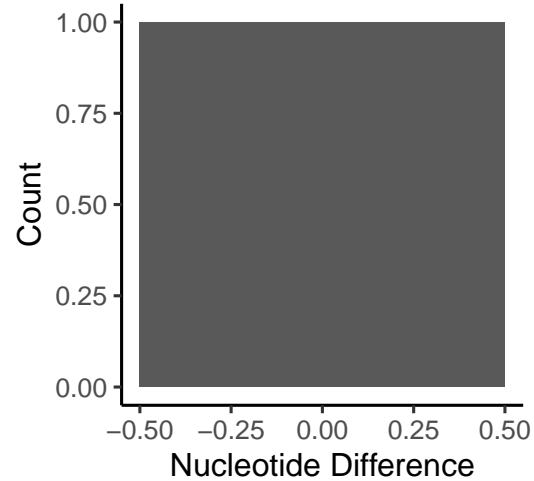
IGHV3-21*01

2402 sequences assigned
1997 (83.1%) exact matches, in which:
1984 unique CDR3
7 unique J



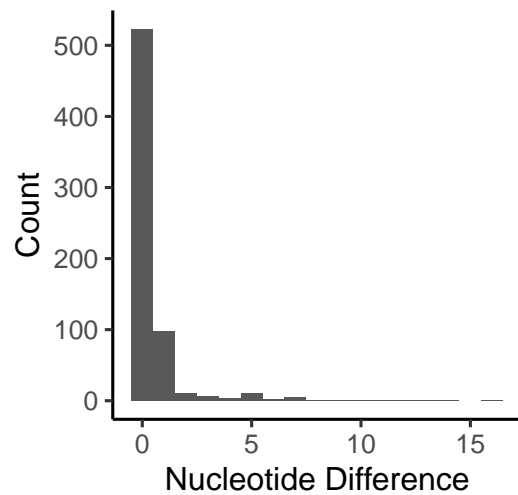
IGHV3-35*02

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



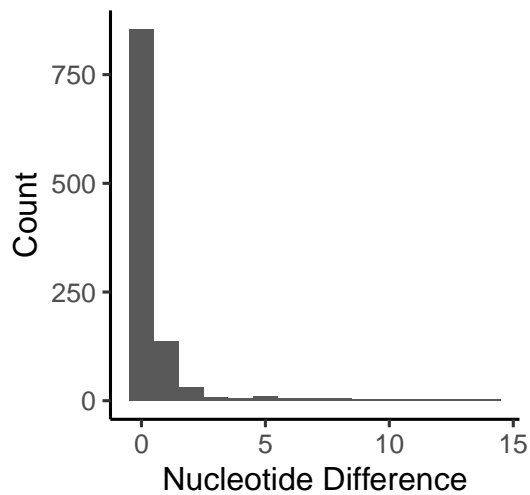
IGHV3-15*01

669 sequences assigned
523 (78.2%) exact matches, in which:
522 unique CDR3
7 unique J



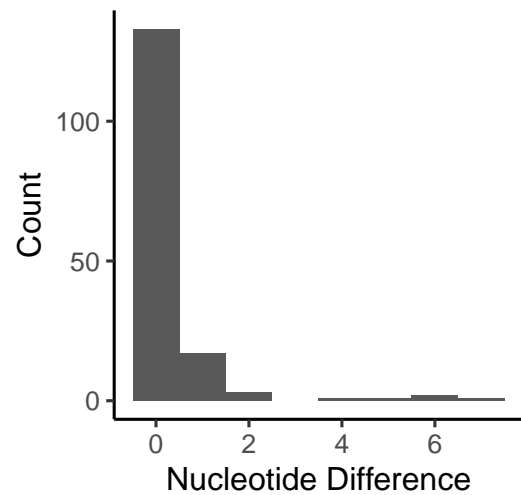
IGHV3-30-3*01

1086 sequences assigned
855 (78.7%) exact matches, in which:
851 unique CDR3
7 unique J



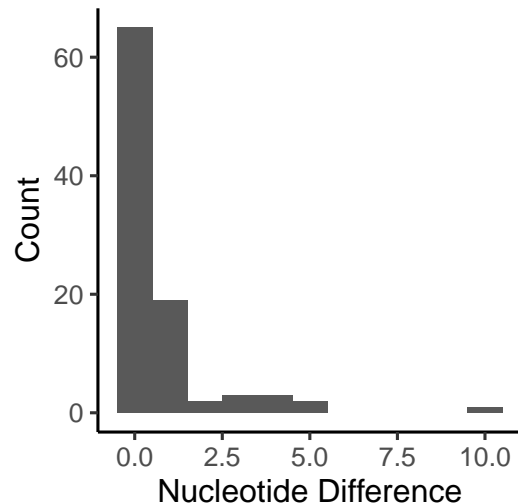
IGHV3-43*01

158 sequences assigned
133 (84.2%) exact matches, in which:
133 unique CDR3
5 unique J



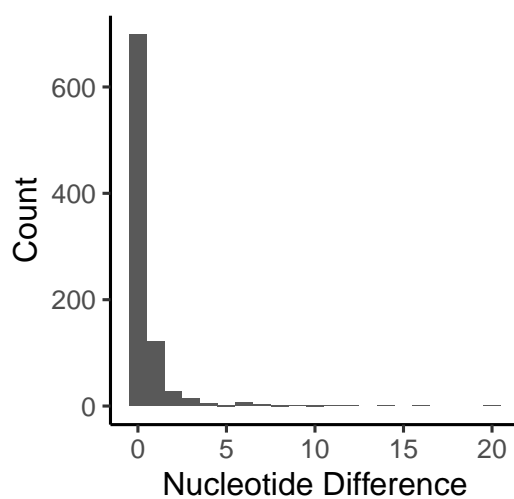
IGHV3-20*01

95 sequences assigned
65 (68.4%) exact matches, in which:
65 unique CDR3
6 unique J



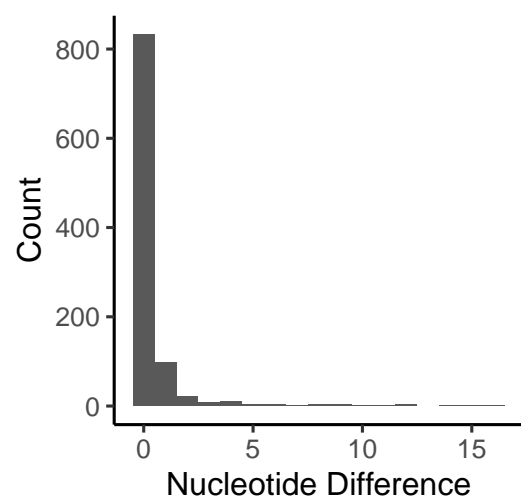
IGHV3-33*01

889 sequences assigned
699 (78.6%) exact matches, in which:
694 unique CDR3
7 unique J



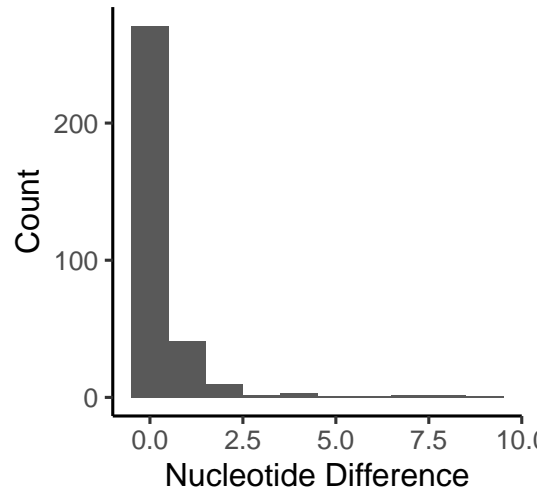
IGHV3-48*02

997 sequences assigned
833 (83.6%) exact matches, in which:
832 unique CDR3
7 unique J



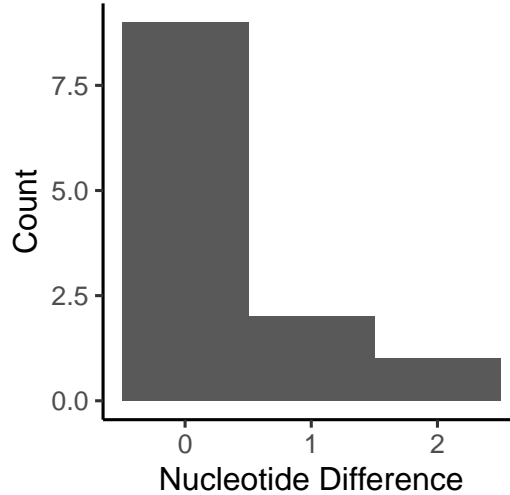
IGHV3-49*05

334 sequences assigned
271 (81.1%) exact matches, in which:
269 unique CDR3
7 unique J



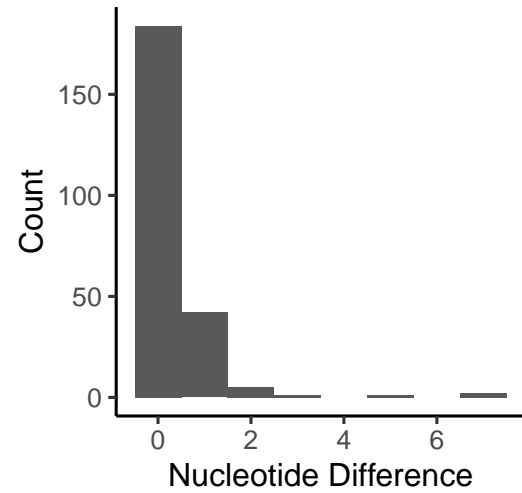
IGHV3-64*02

12 sequences assigned
9 (75%) exact matches, in which:
9 unique CDR3
3 unique J



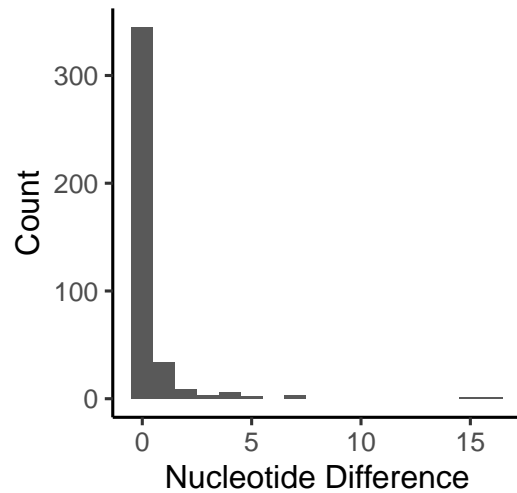
IGHV3-73*02

235 sequences assigned
184 (78.3%) exact matches, in which:
181 unique CDR3
7 unique J



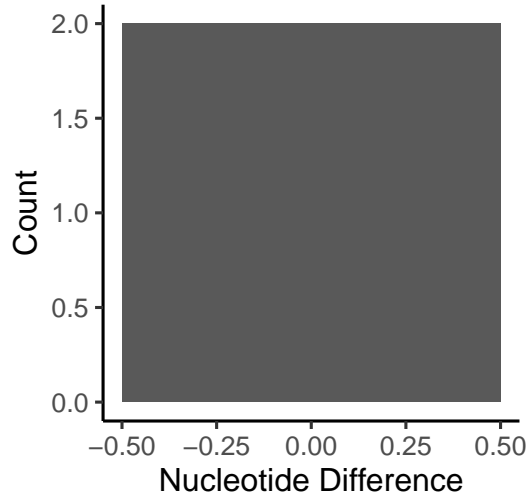
IGHV3-53*01

404 sequences assigned
345 (85.4%) exact matches, in which:
345 unique CDR3
7 unique J



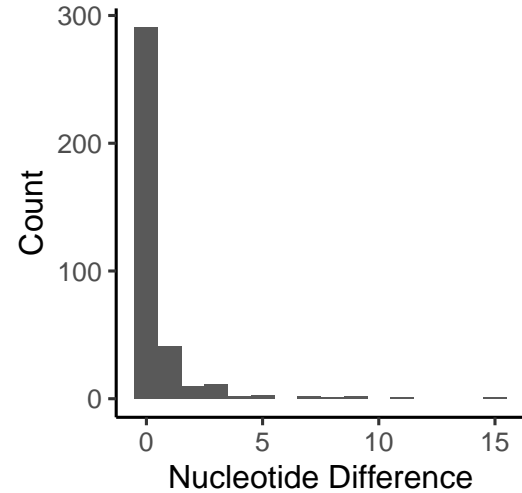
IGHV3-66*03

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



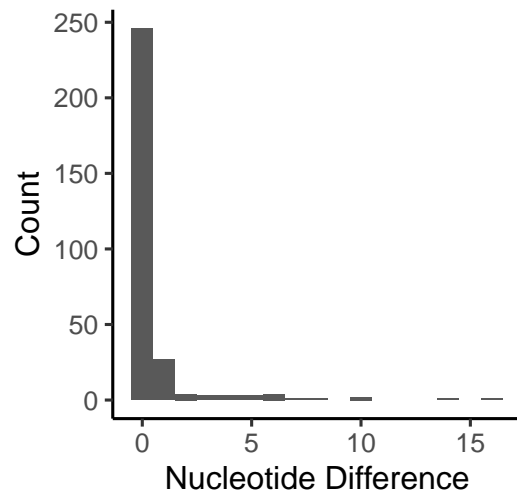
IGHV3-74*01

365 sequences assigned
291 (79.7%) exact matches, in which:
291 unique CDR3
7 unique J



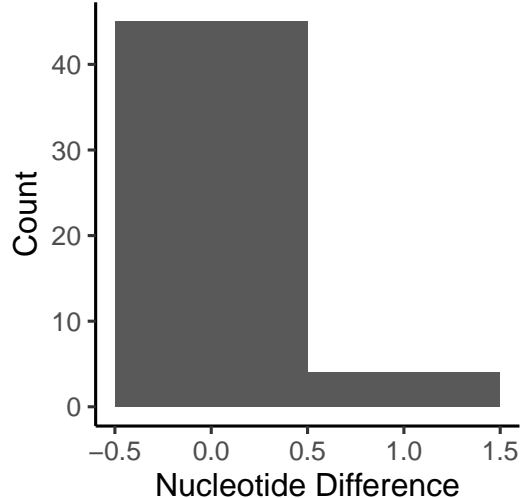
IGHV3-53*02

296 sequences assigned
246 (83.1%) exact matches, in which:
245 unique CDR3
6 unique J



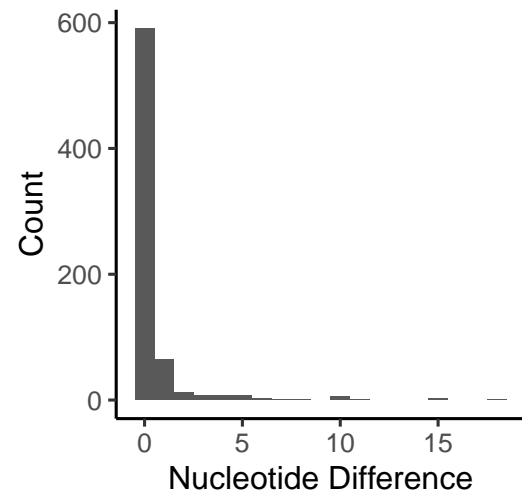
IGHV3-72*01

49 sequences assigned
45 (91.8%) exact matches, in which:
45 unique CDR3
6 unique J



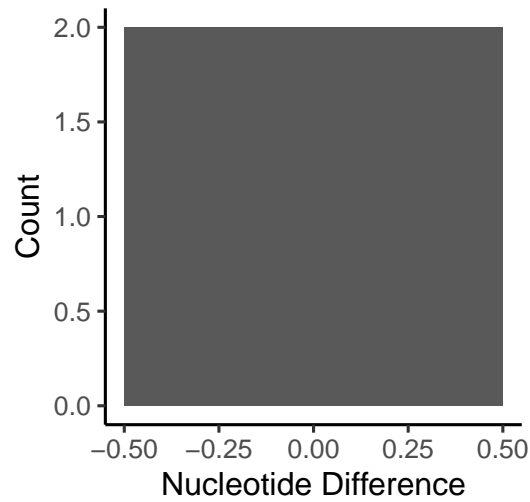
IGHV4-4*07

702 sequences assigned
591 (84.2%) exact matches, in which:
589 unique CDR3
7 unique J



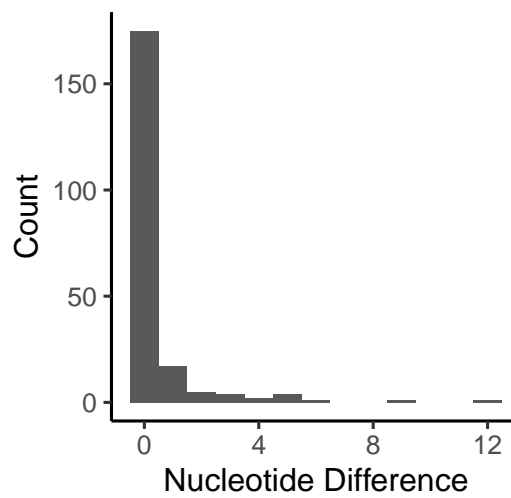
IGHV4-28*01

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



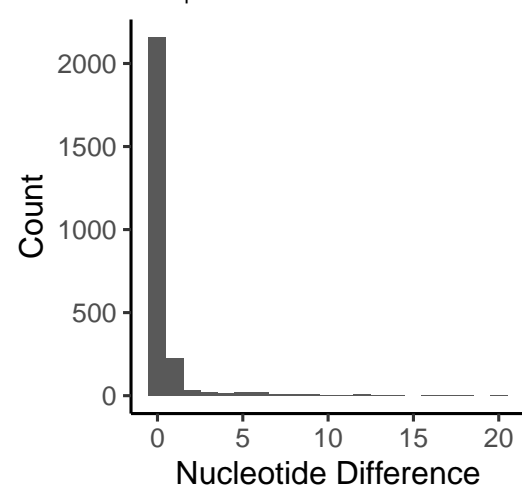
IGHV4-30-4*01

210 sequences assigned
175 (83.3%) exact matches, in which:
175 unique CDR3
6 unique J



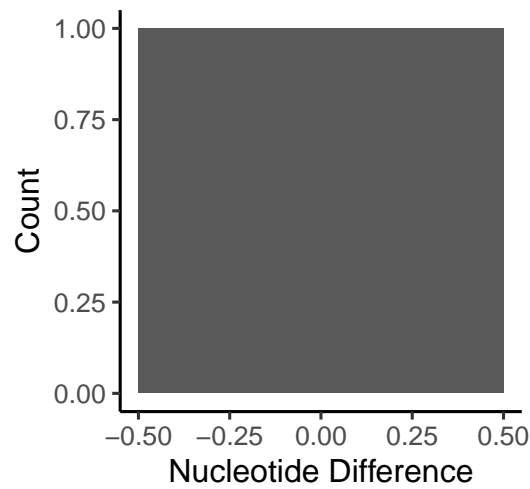
IGHV4-39*01

2546 sequences assigned
2157 (84.7%) exact matches, in which:
2141 unique CDR3
7 unique J



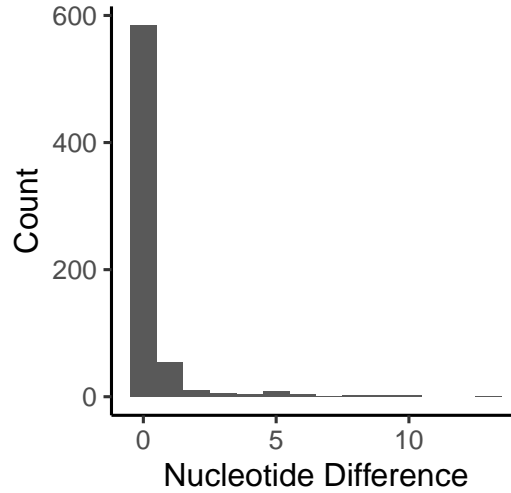
IGHV4-28*07

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



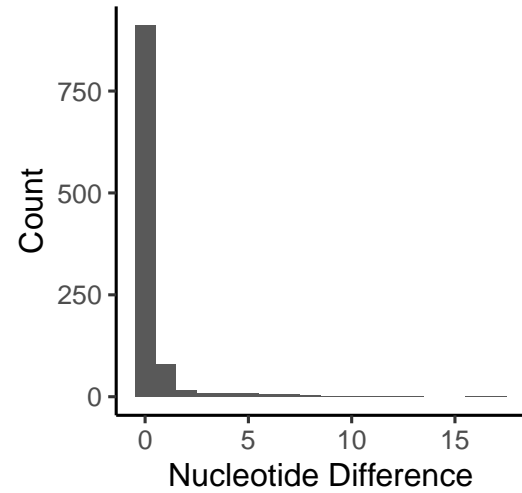
IGHV4-31*03

680 sequences assigned
585 (86%) exact matches, in which:
584 unique CDR3
6 unique J



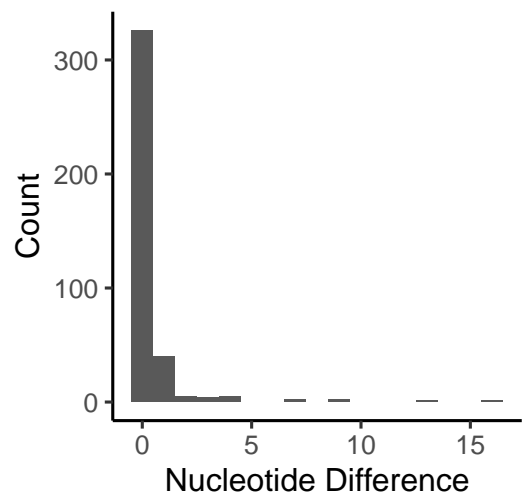
IGHV4-59*01

1059 sequences assigned
912 (86.1%) exact matches, in which:
909 unique CDR3
7 unique J



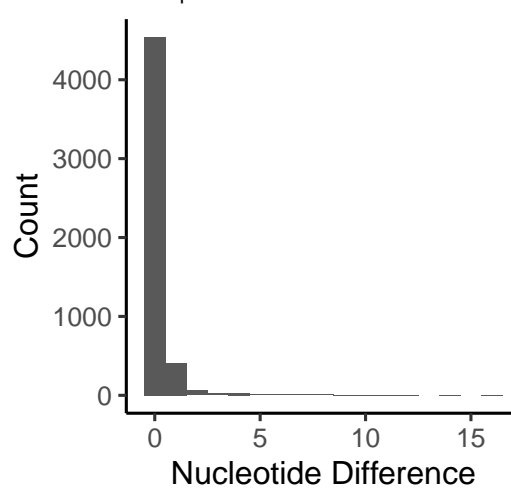
IGHV4-30-2*01

386 sequences assigned
326 (84.5%) exact matches, in which:
324 unique CDR3
7 unique J



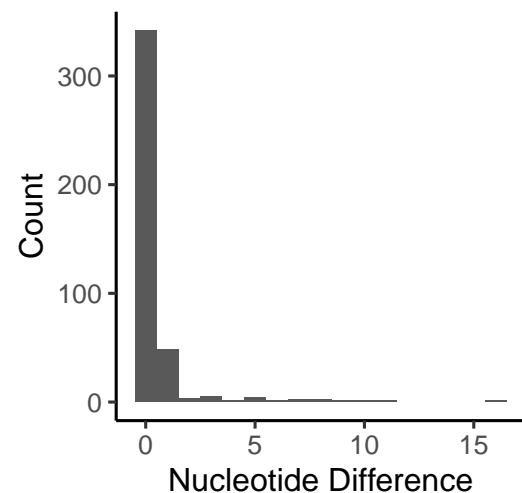
IGHV4-34*01

5113 sequences assigned
4541 (88.8%) exact matches, in which:
4516 unique CDR3
7 unique J



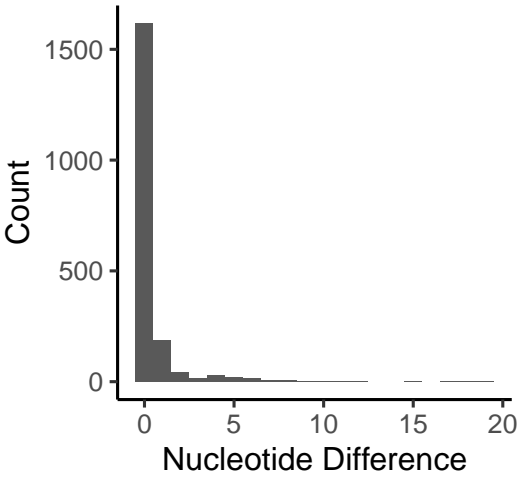
IGHV4-61*01

413 sequences assigned
342 (82.8%) exact matches, in which:
342 unique CDR3
7 unique J



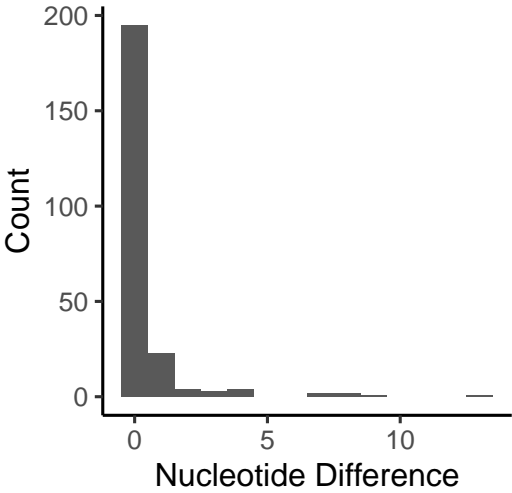
IGHV5-51*01

1957 sequences assigned
1617 (82.6%) exact matches, in which:
1603 unique CDR3
7 unique J

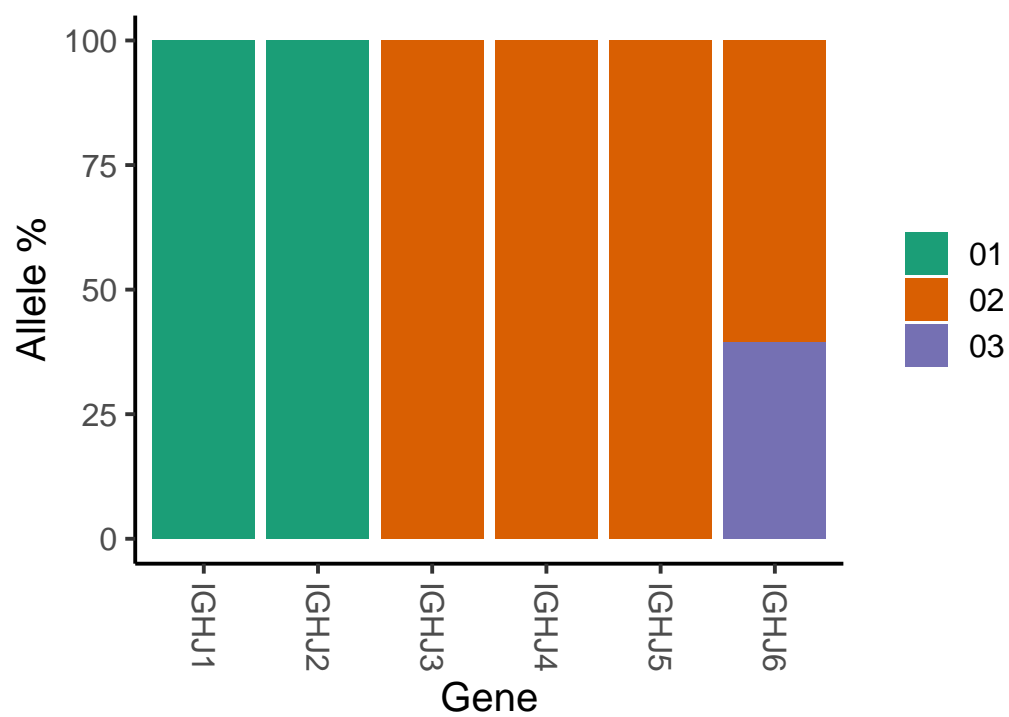


IGHV6-1*01

235 sequences assigned
195 (83%) exact matches, in which:
194 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.