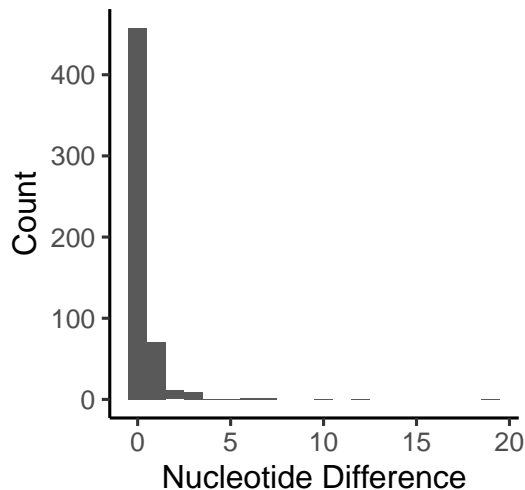


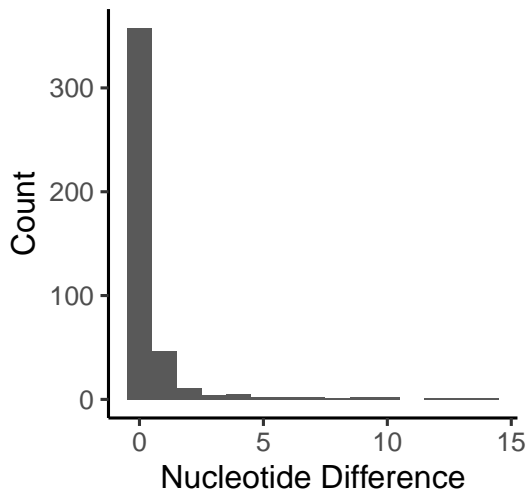
IGHV1-2*02

558 sequences assigned
458 (82.1%) exact matches, in which:
455 unique CDR3
6 unique J



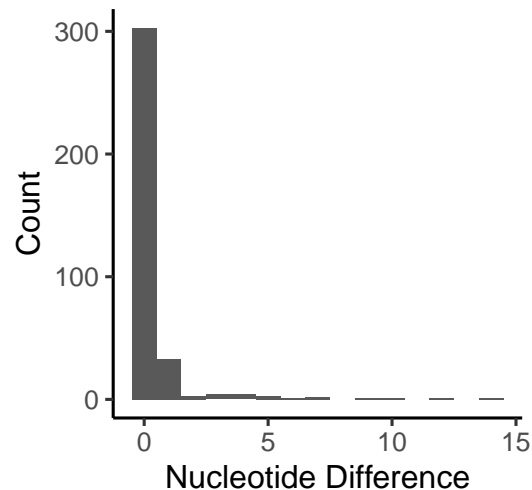
IGHV1-18*01

443 sequences assigned
358 (80.8%) exact matches, in which:
358 unique CDR3
6 unique J



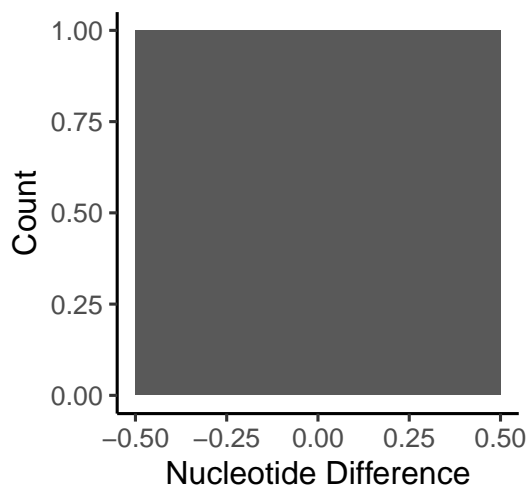
IGHV1-46*01

357 sequences assigned
303 (84.9%) exact matches, in which:
303 unique CDR3
6 unique J



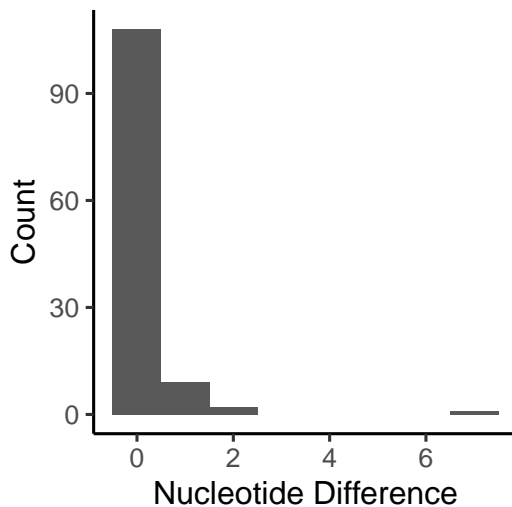
IGHV1-3*02

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



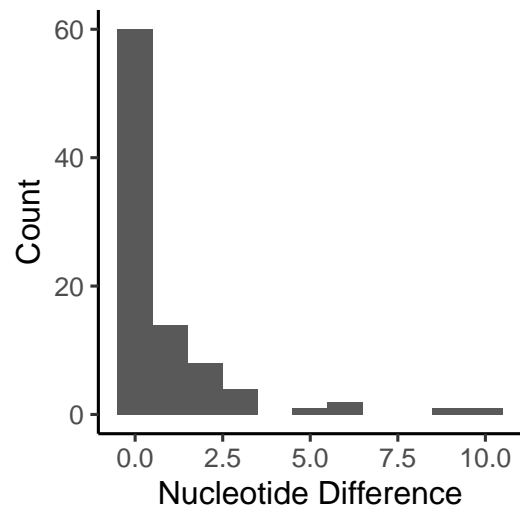
IGHV1-24*01

120 sequences assigned
108 (90%) exact matches, in which:
108 unique CDR3
6 unique J



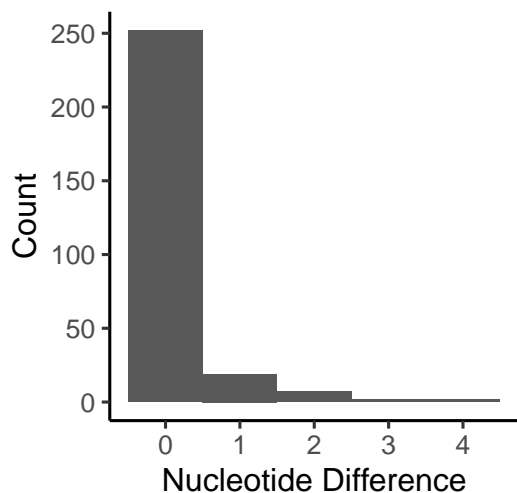
IGHV1-58*01

91 sequences assigned
60 (65.9%) exact matches, in which:
59 unique CDR3
5 unique J



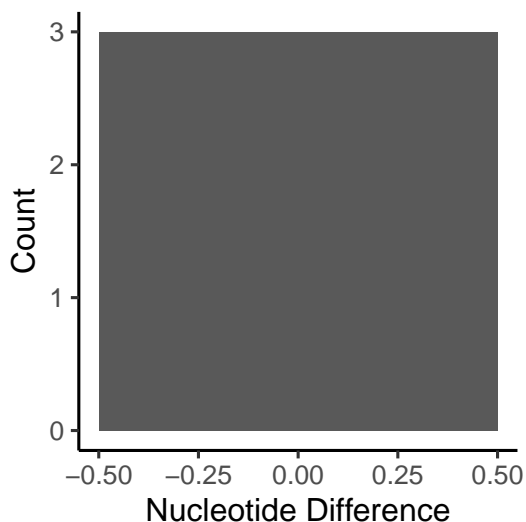
IGHV1-8*01

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



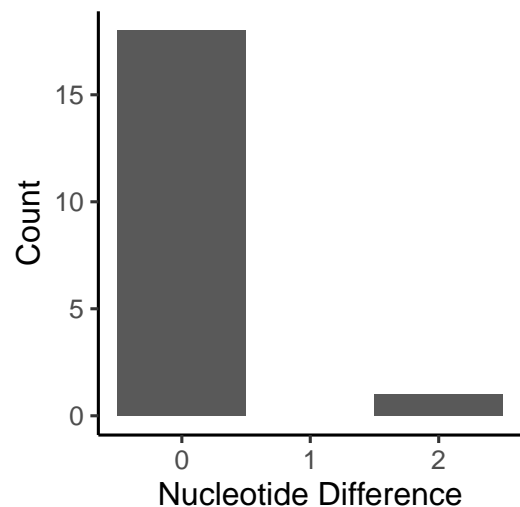
IGHV1-45*02

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



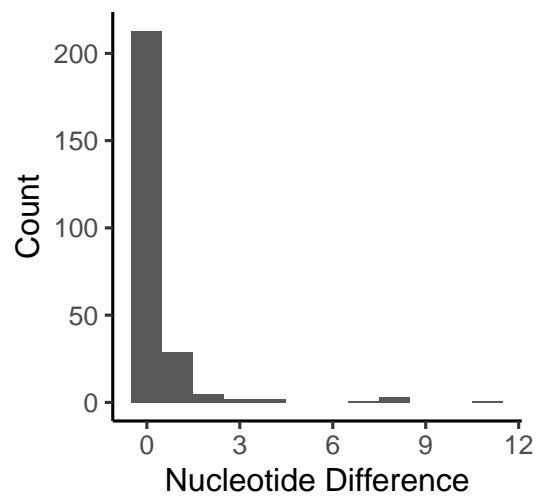
IGHV1-69-2*01

19 sequences assigned
18 (94.7%) exact matches, in which:
18 unique CDR3
4 unique J



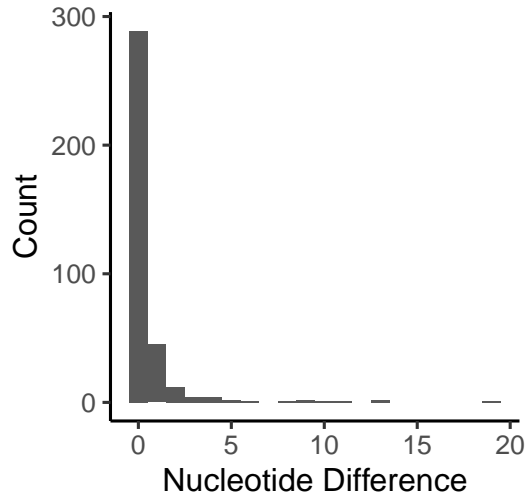
IGHV2-5*01

256 sequences assigned
213 (83.2%) exact matches, in which:
112 unique CDR3
6 unique J



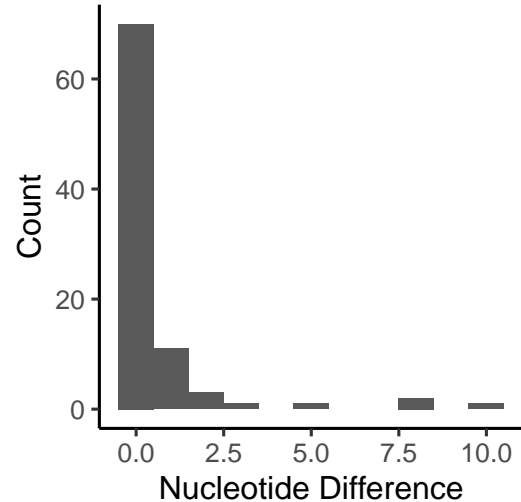
IGHV3-7*01

367 sequences assigned
289 (78.7%) exact matches, in which:
288 unique CDR3
6 unique J



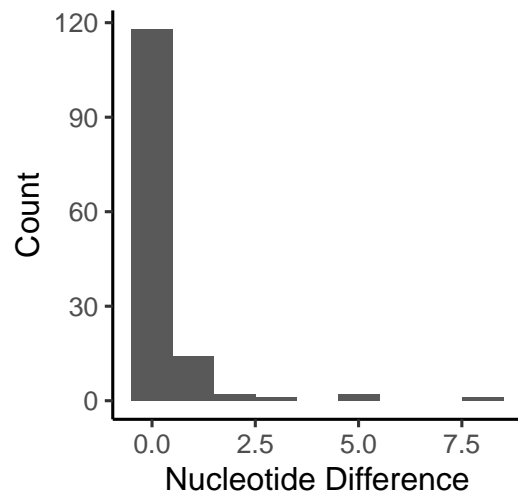
IGHV3-13*01

89 sequences assigned
70 (78.7%) exact matches, in which:
70 unique CDR3
5 unique J



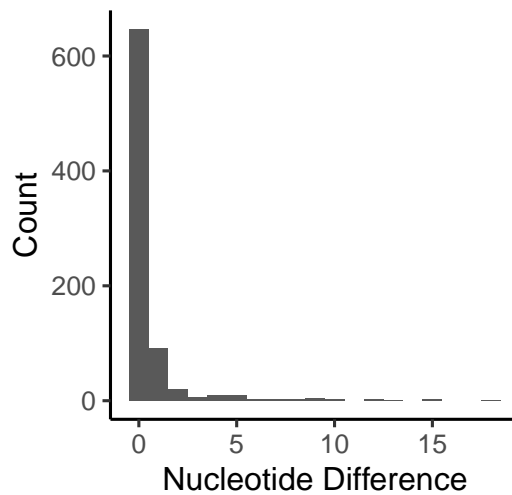
IGHV2-26*01

138 sequences assigned
118 (85.5%) exact matches, in which:
117 unique CDR3
5 unique J



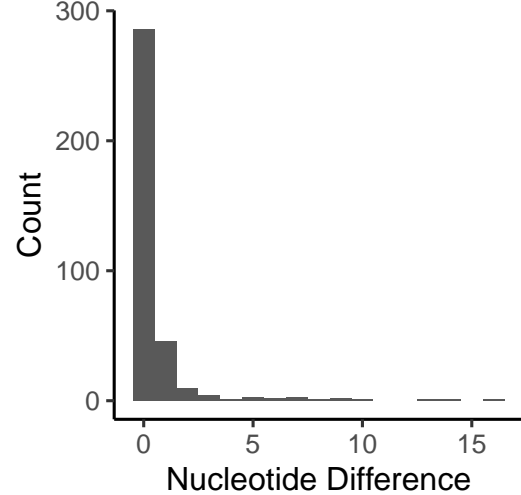
IGHV3-9*01

803 sequences assigned
647 (80.6%) exact matches, in which:
643 unique CDR3
6 unique J



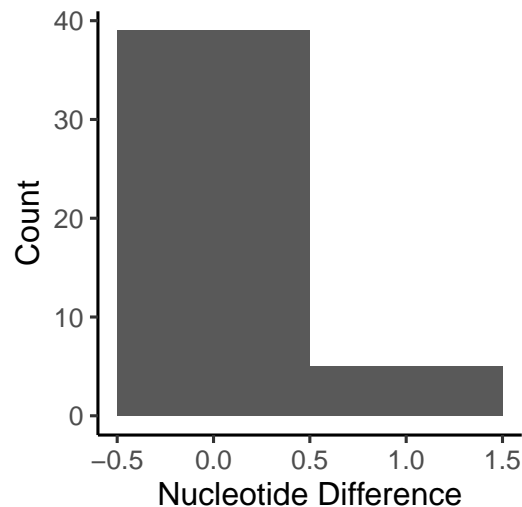
IGHV3-15*01

365 sequences assigned
286 (78.4%) exact matches, in which:
285 unique CDR3
6 unique J



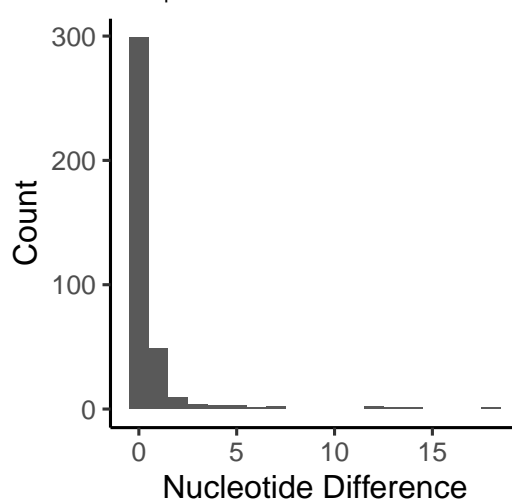
IGHV2-70*01

44 sequences assigned
39 (88.6%) exact matches, in which:
38 unique CDR3
5 unique J



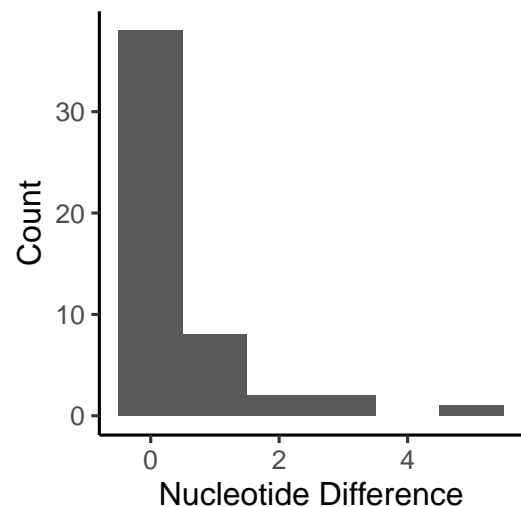
IGHV3-11*01

375 sequences assigned
299 (79.7%) exact matches, in which:
298 unique CDR3
6 unique J



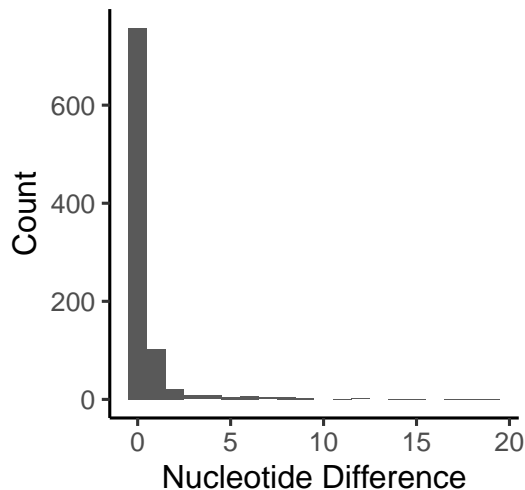
IGHV3-20*01

51 sequences assigned
38 (74.5%) exact matches, in which:
38 unique CDR3
5 unique J



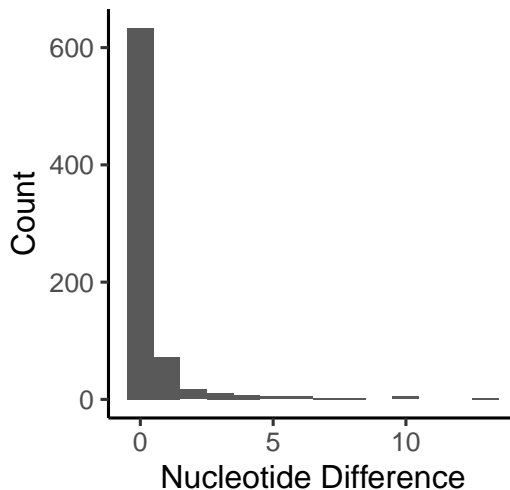
IGHV3–21*01

930 sequences assigned
758 (81.5%) exact matches, in which:
755 unique CDR3
6 unique J



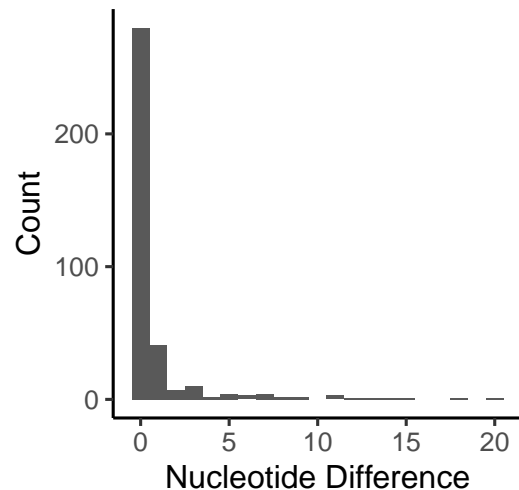
IGHV3–33*01

763 sequences assigned
634 (83.1%) exact matches, in which:
630 unique CDR3
6 unique J



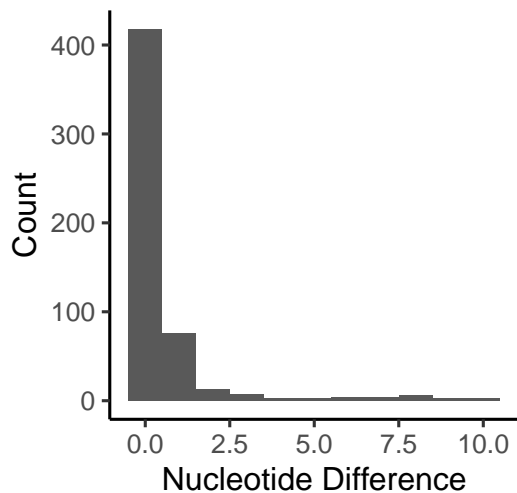
IGHV3–48*02

366 sequences assigned
280 (76.5%) exact matches, in which:
279 unique CDR3
6 unique J



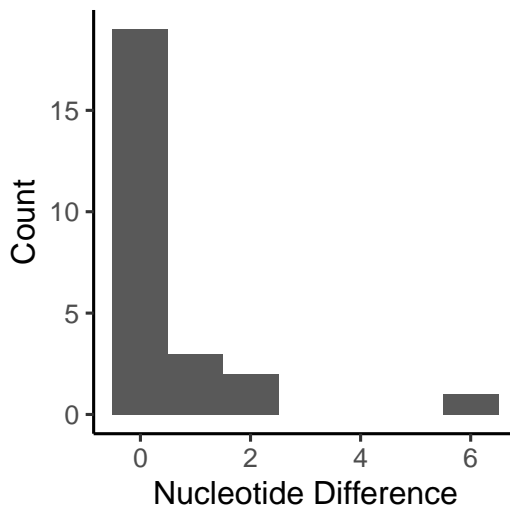
IGHV3–30–3*01

541 sequences assigned
418 (77.3%) exact matches, in which:
416 unique CDR3
6 unique J



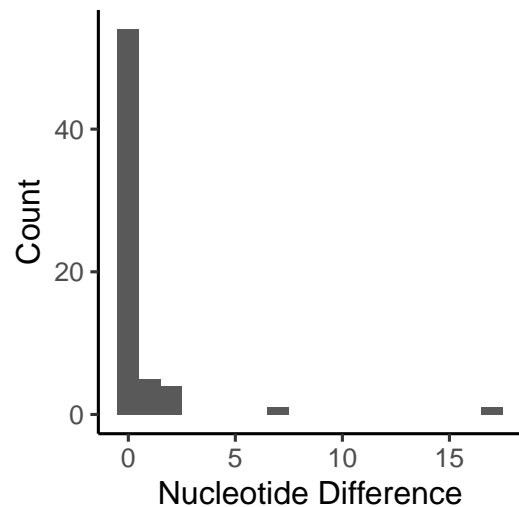
IGHV3–43*01

25 sequences assigned
19 (76%) exact matches, in which:
19 unique CDR3
4 unique J



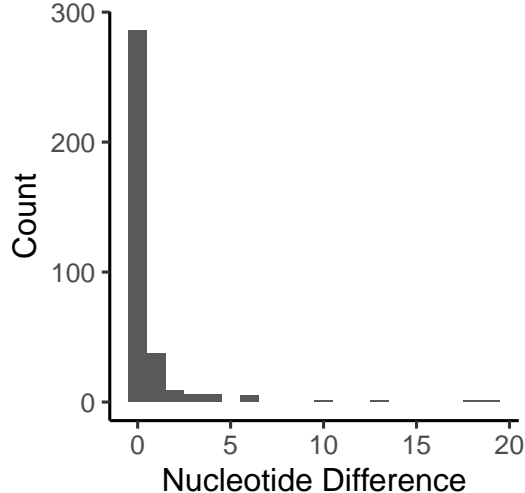
IGHV3–49*03

65 sequences assigned
54 (83.1%) exact matches, in which:
54 unique CDR3
6 unique J



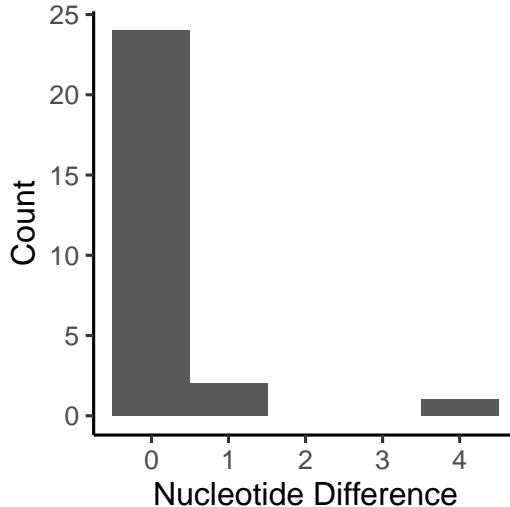
IGHV3–30*01

353 sequences assigned
286 (81%) exact matches, in which:
285 unique CDR3
6 unique J



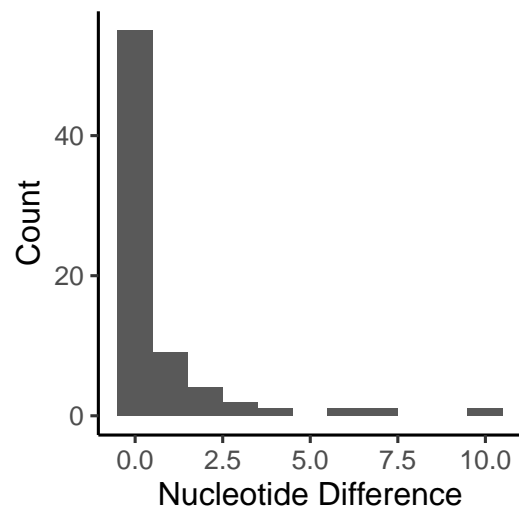
IGHV3–43*01_C237T

27 sequences assigned
24 (88.9%) exact matches, in which:
24 unique CDR3
4 unique J



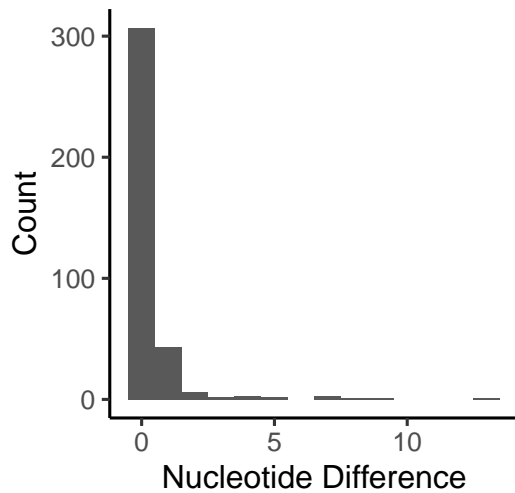
IGHV3–49*05

74 sequences assigned
55 (74.3%) exact matches, in which:
55 unique CDR3
5 unique J



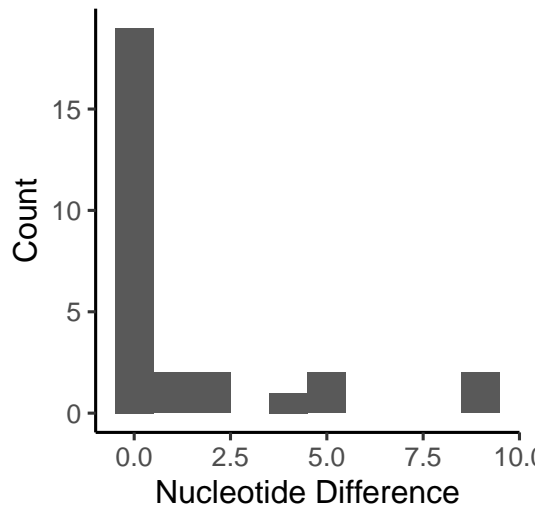
IGHV3–53*01

369 sequences assigned
307 (83.2%) exact matches, in which:
306 unique CDR3
6 unique J



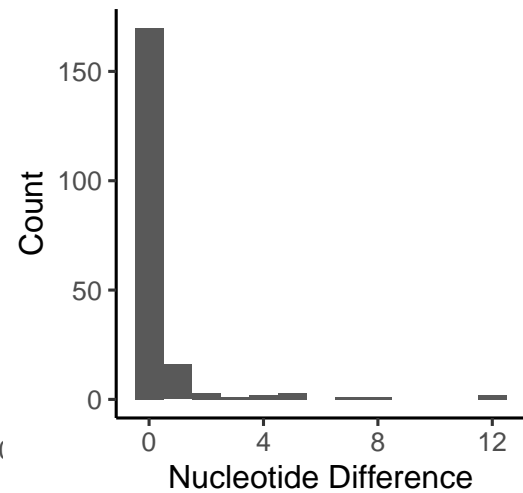
IGHV3–72*01

28 sequences assigned
19 (67.9%) exact matches, in which:
19 unique CDR3
3 unique J



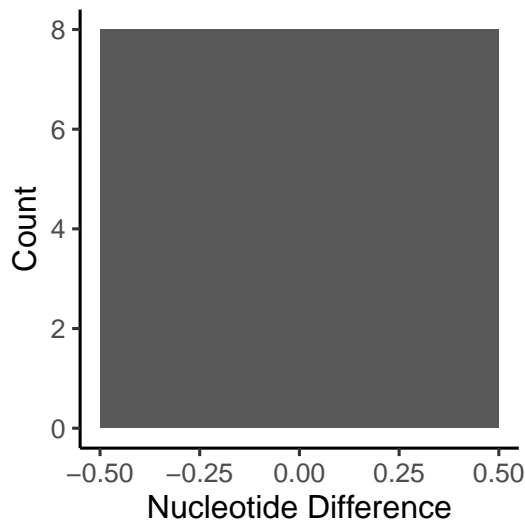
IGHV4–4*07

199 sequences assigned
170 (85.4%) exact matches, in which:
170 unique CDR3
6 unique J



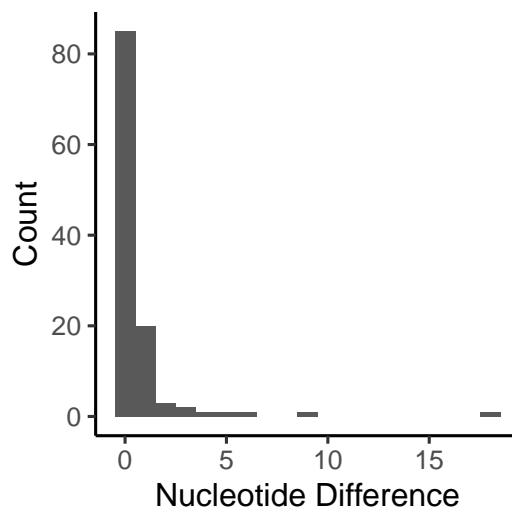
IGHV3–64*02

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



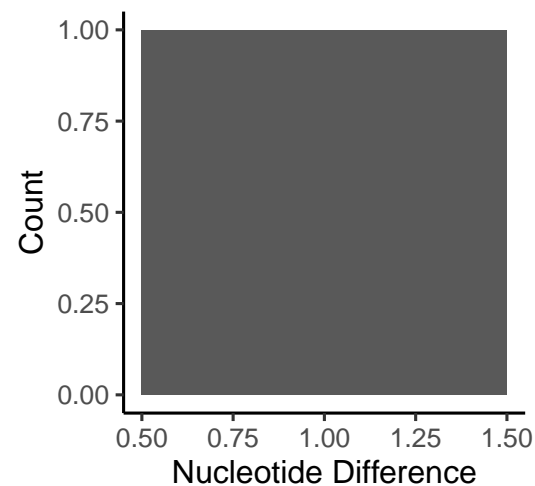
IGHV3–73*02

115 sequences assigned
85 (73.9%) exact matches, in which:
85 unique CDR3
5 unique J



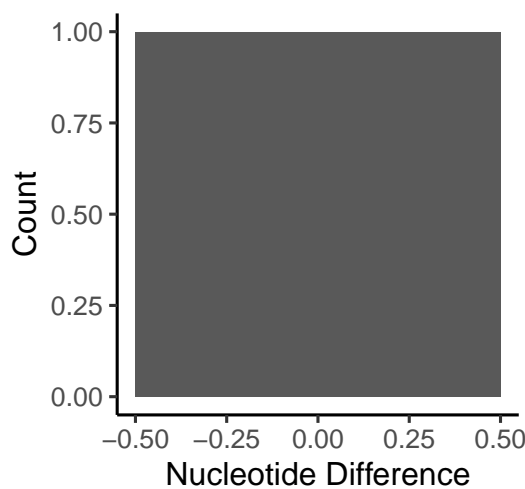
IGHV4–28*02

1 sequences assigned
No exact matches.



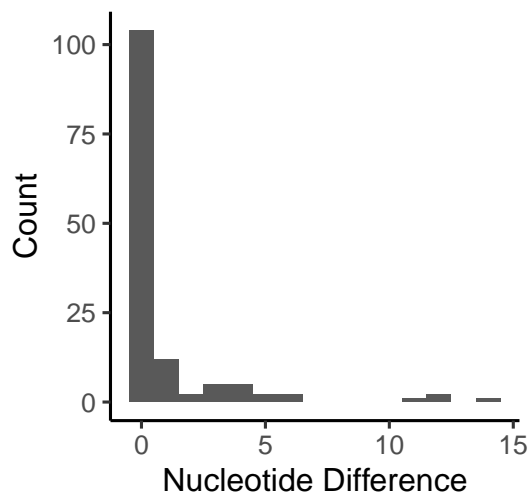
IGHV3–69–1*01

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



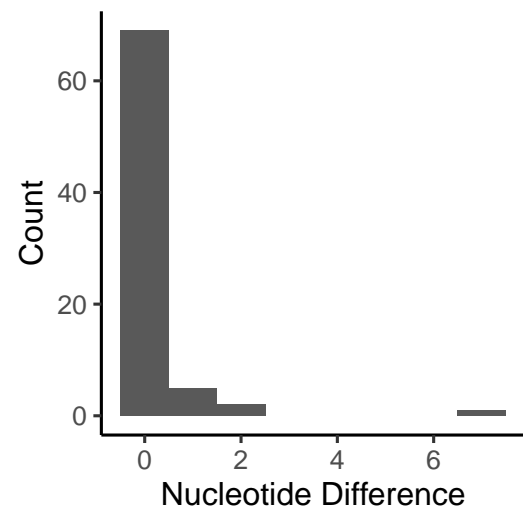
IGHV3–74*01

136 sequences assigned
104 (76.5%) exact matches, in which:
104 unique CDR3
5 unique J



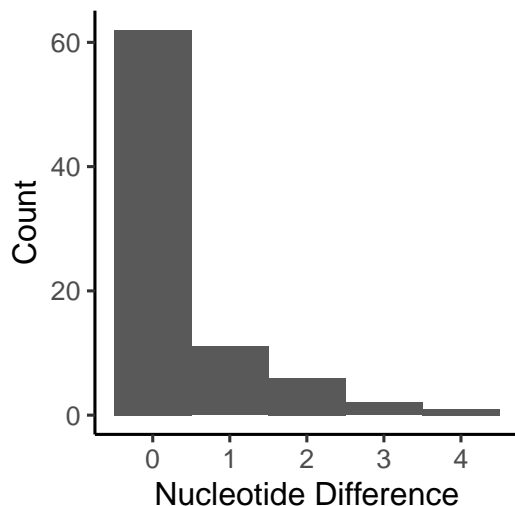
IGHV4–30–2*01

77 sequences assigned
69 (89.6%) exact matches, in which:
69 unique CDR3
6 unique J



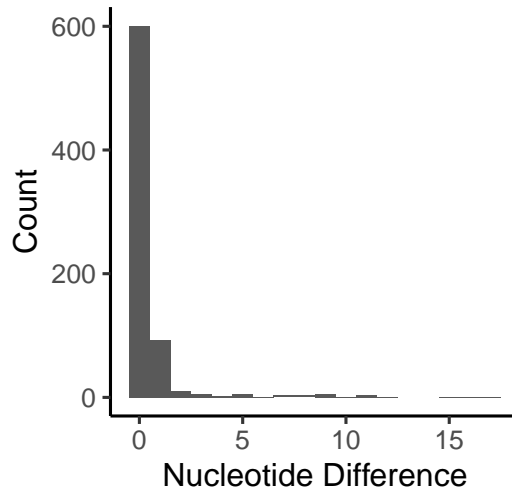
IGHV4-30-4*01

82 sequences assigned
62 (75.6%) exact matches, in which:
62 unique CDR3
5 unique J



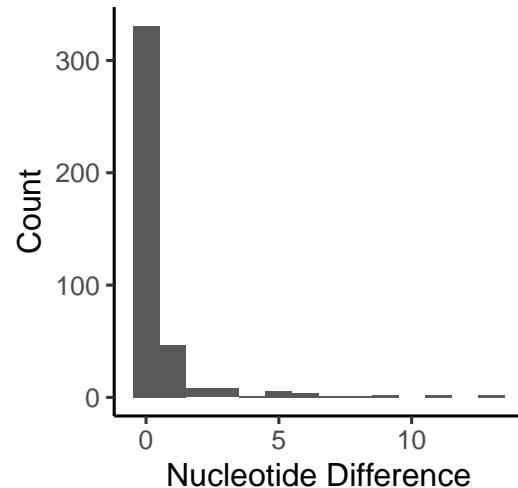
IGHV4-39*01

741 sequences assigned
601 (81.1%) exact matches, in which:
599 unique CDR3
6 unique J



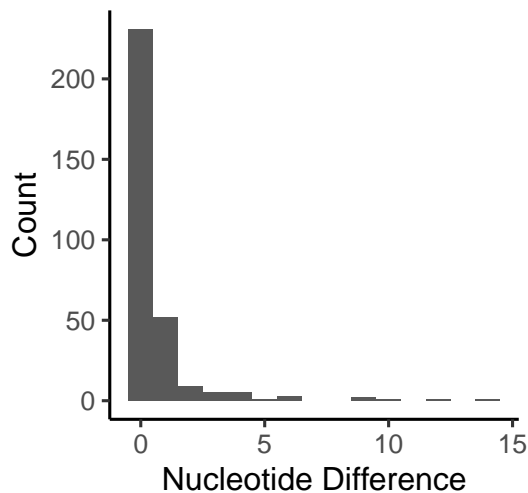
IGHV5-51*01

416 sequences assigned
331 (79.6%) exact matches, in which:
329 unique CDR3
6 unique J



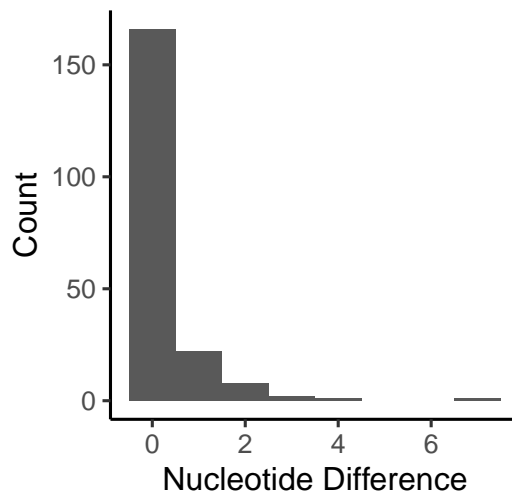
IGHV4-31*03

311 sequences assigned
231 (74.3%) exact matches, in which:
231 unique CDR3
6 unique J



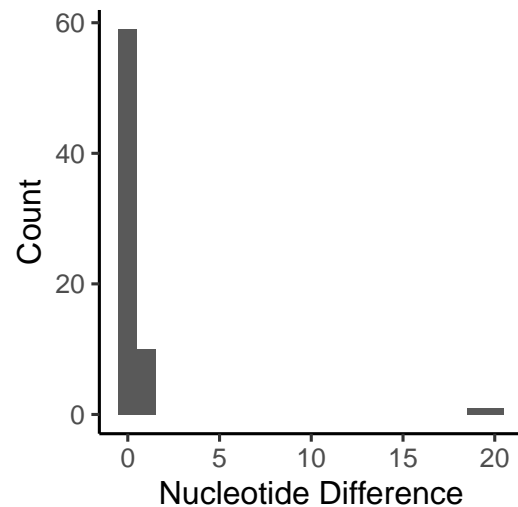
IGHV4-59*01

201 sequences assigned
166 (82.6%) exact matches, in which:
166 unique CDR3
6 unique J



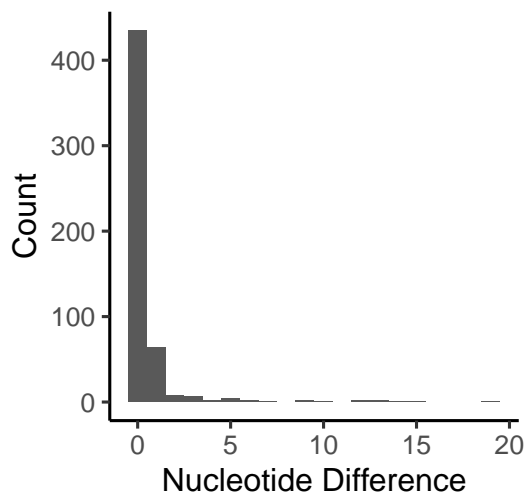
IGHV6-1*01

71 sequences assigned
59 (83.1%) exact matches, in which:
58 unique CDR3
5 unique J



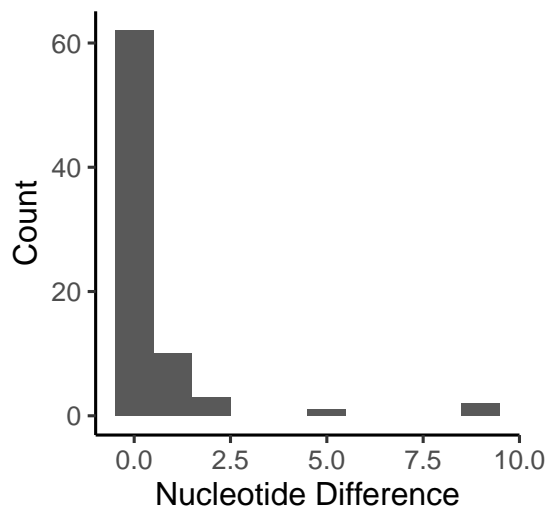
IGHV4-34*01

532 sequences assigned
435 (81.8%) exact matches, in which:
433 unique CDR3
6 unique J



IGHV4-61*01

78 sequences assigned
62 (79.5%) exact matches, in which:
62 unique CDR3
6 unique J





Warning – no inferred sequences found.