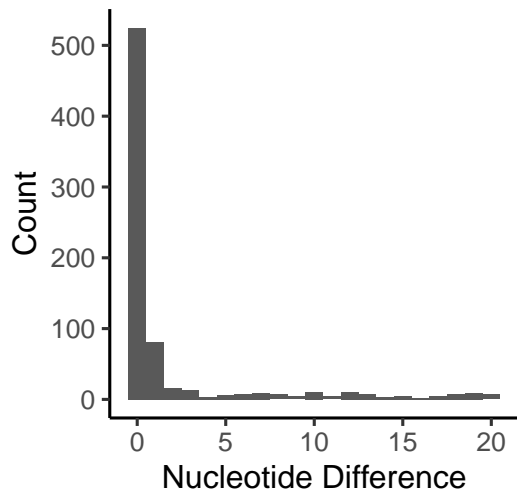


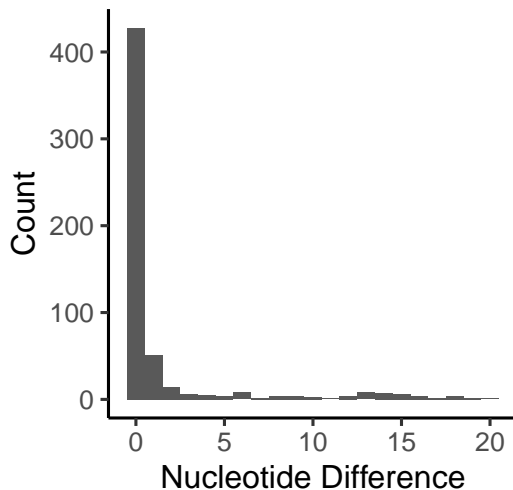
IGHV1-2*02

822 sequences assigned
525 (63.9%) exact matches, in which:
522 unique CDR3
6 unique J



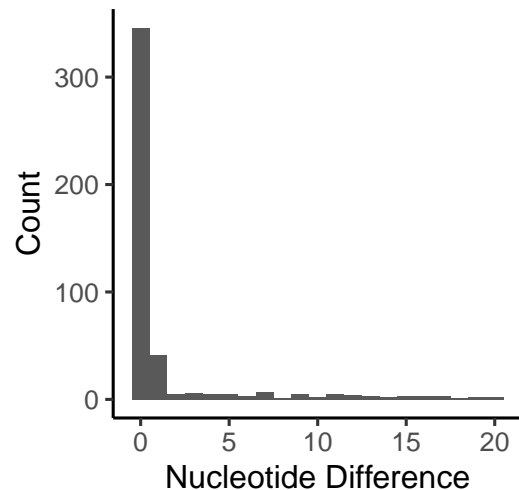
IGHV1-18*01

616 sequences assigned
428 (69.5%) exact matches, in which:
427 unique CDR3
6 unique J



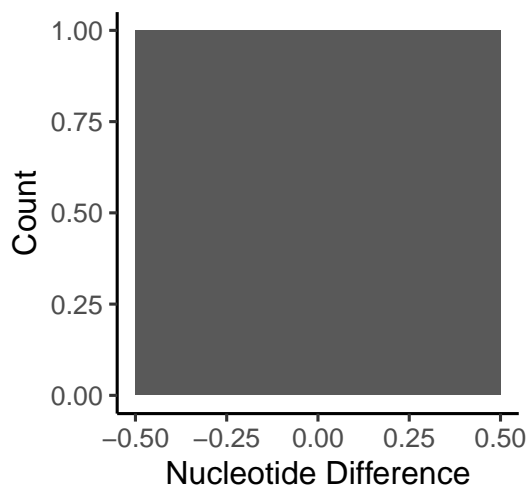
IGHV1-46*01

484 sequences assigned
346 (71.5%) exact matches, in which:
346 unique CDR3
6 unique J



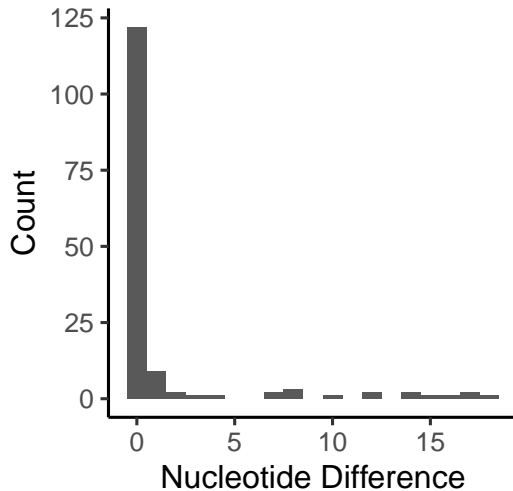
IGHV1-3*02

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



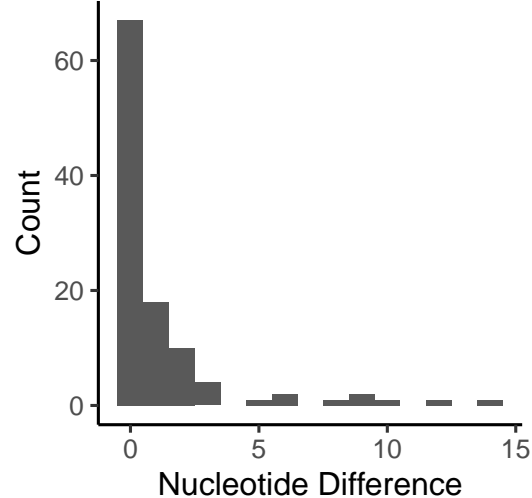
IGHV1-24*01

158 sequences assigned
122 (77.2%) exact matches, in which:
122 unique CDR3
6 unique J



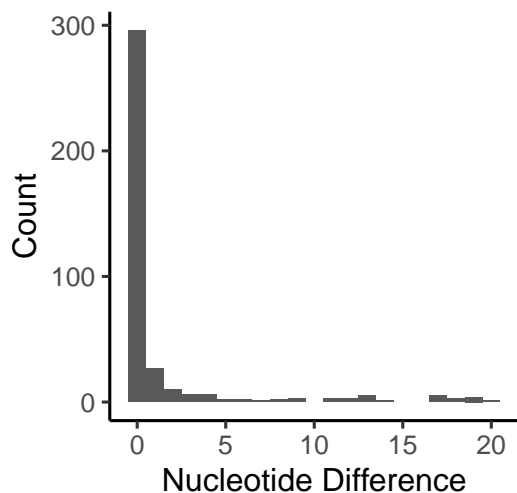
IGHV1-58*01

110 sequences assigned
67 (60.9%) exact matches, in which:
66 unique CDR3
5 unique J



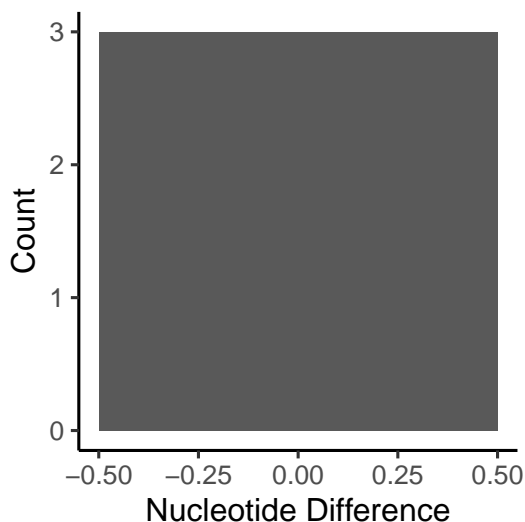
IGHV1-8*01

389 sequences assigned
296 (76.1%) exact matches, in which:
296 unique CDR3
6 unique J



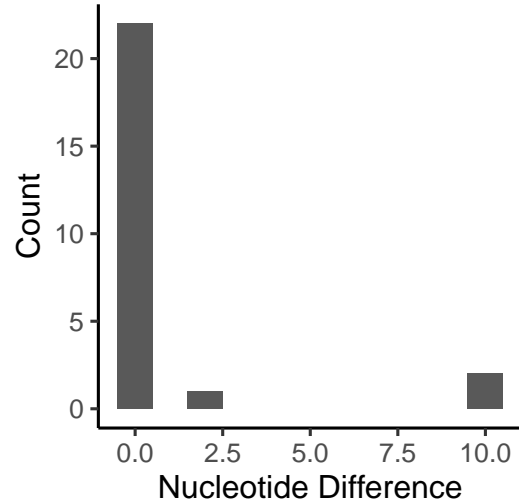
IGHV1-45*02

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



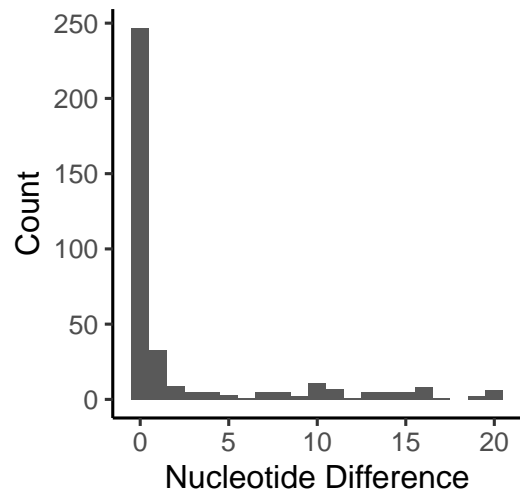
IGHV1-69-2*01

26 sequences assigned
22 (84.6%) exact matches, in which:
22 unique CDR3
4 unique J



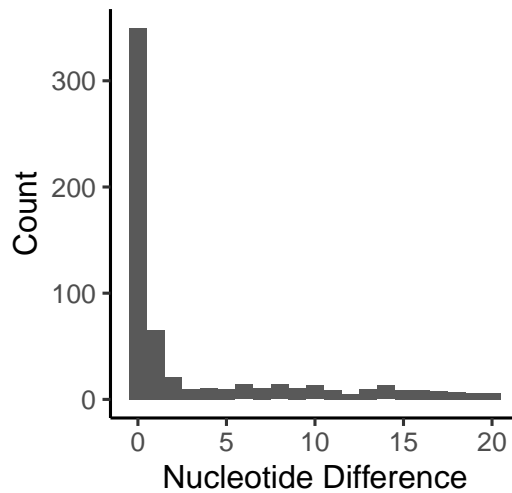
IGHV2-5*01

378 sequences assigned
247 (65.3%) exact matches, in which:
246 unique CDR3
6 unique J



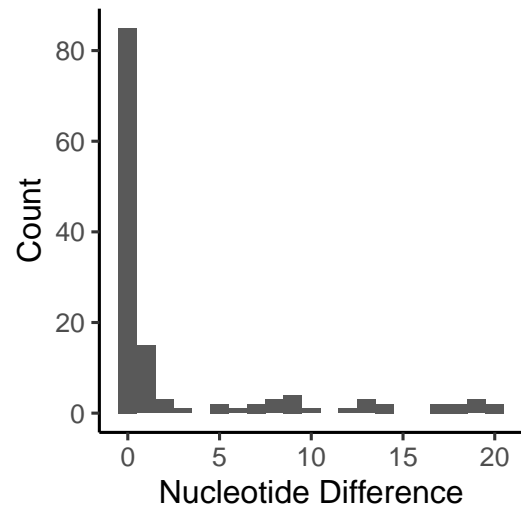
IGHV3-7*01

658 sequences assigned
350 (53.2%) exact matches, in which:
349 unique CDR3
6 unique J



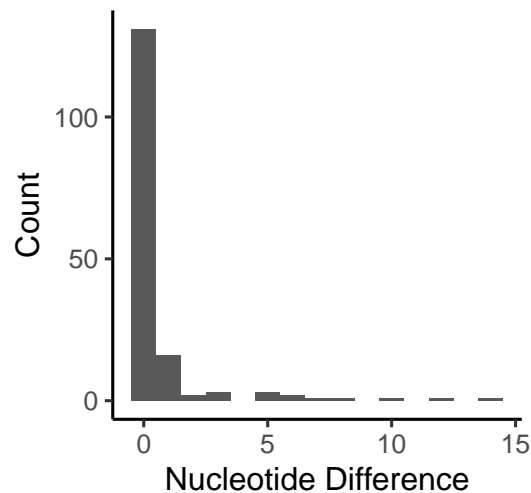
IGHV3-13*01

149 sequences assigned
85 (57%) exact matches, in which:
85 unique CDR3
5 unique J



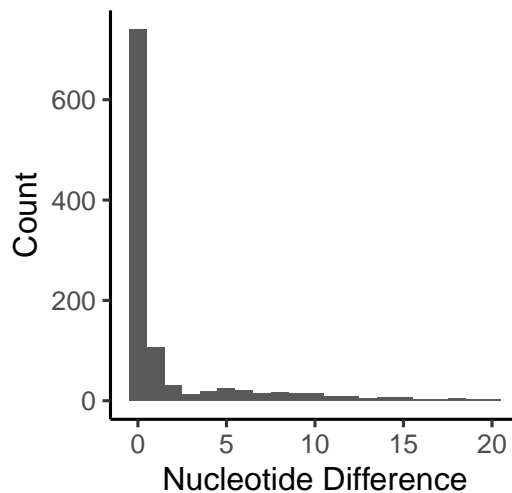
IGHV2-26*01

165 sequences assigned
131 (79.4%) exact matches, in which:
130 unique CDR3
5 unique J



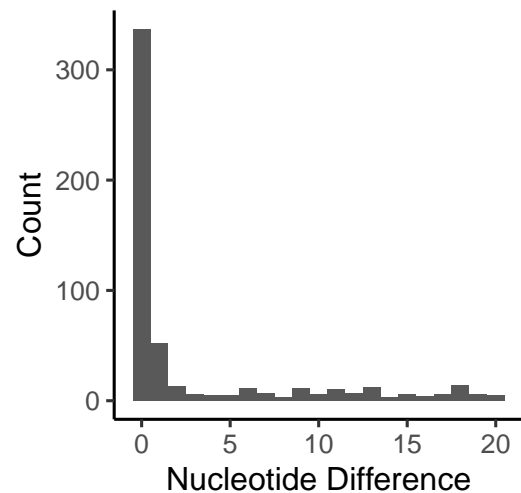
IGHV3-9*01

1110 sequences assigned
741 (66.8%) exact matches, in which:
737 unique CDR3
6 unique J



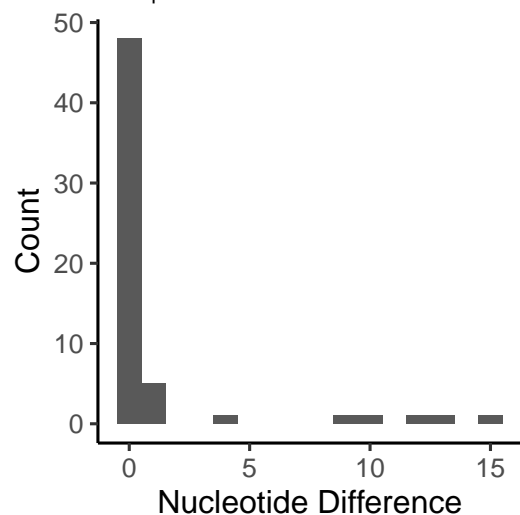
IGHV3-15*01

570 sequences assigned
337 (59.1%) exact matches, in which:
335 unique CDR3
6 unique J



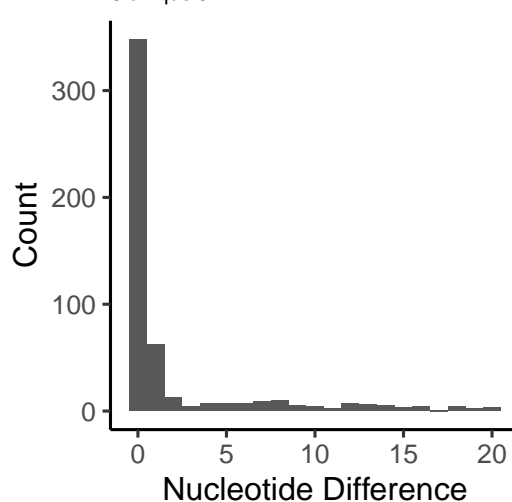
IGHV2-70*01

61 sequences assigned
48 (78.7%) exact matches, in which:
47 unique CDR3
5 unique J



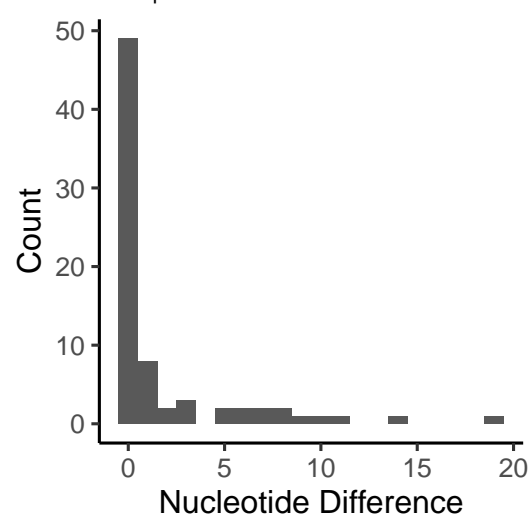
IGHV3-11*01

542 sequences assigned
348 (64.2%) exact matches, in which:
347 unique CDR3
6 unique J



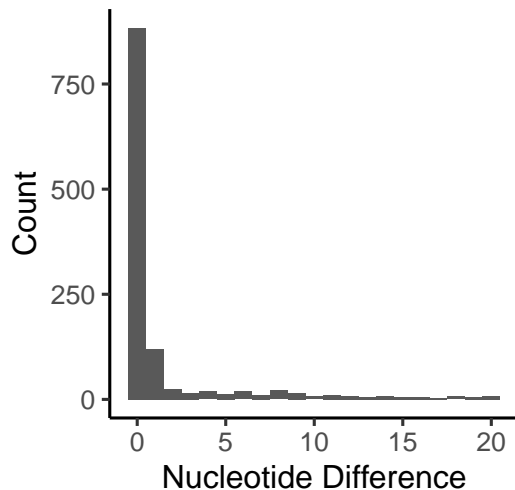
IGHV3-20*01

79 sequences assigned
49 (62%) exact matches, in which:
49 unique CDR3
5 unique J



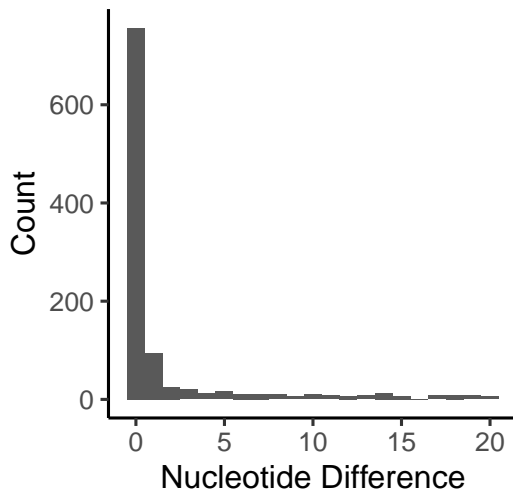
IGHV3-21*01

1242 sequences assigned
884 (71.2%) exact matches, in which:
881 unique CDR3
6 unique J



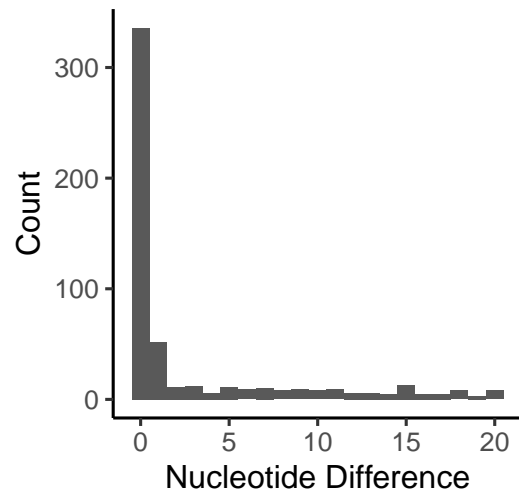
IGHV3-33*01

1130 sequences assigned
757 (67%) exact matches, in which:
752 unique CDR3
6 unique J



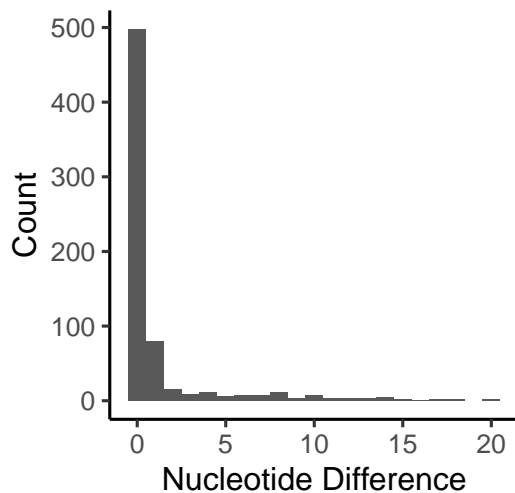
IGHV3-48*02

568 sequences assigned
336 (59.2%) exact matches, in which:
335 unique CDR3
6 unique J



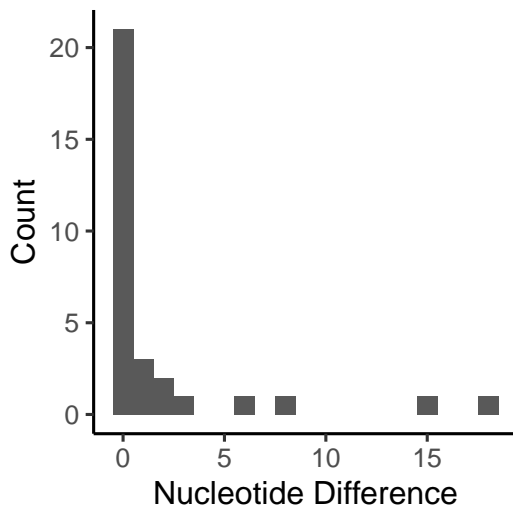
IGHV3-30-3*01

710 sequences assigned
498 (70.1%) exact matches, in which:
496 unique CDR3
6 unique J



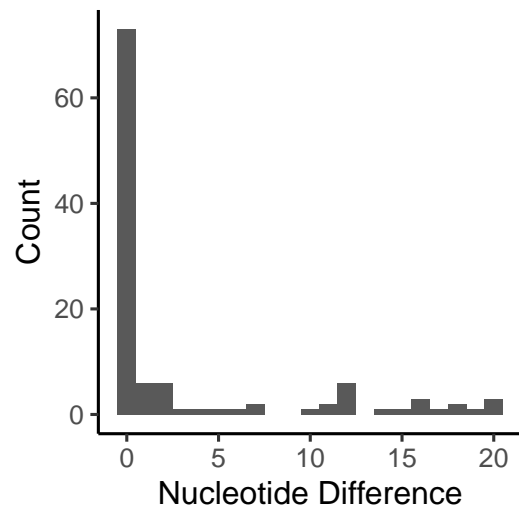
IGHV3-43*01

35 sequences assigned
21 (60%) exact matches, in which:
21 unique CDR3
4 unique J



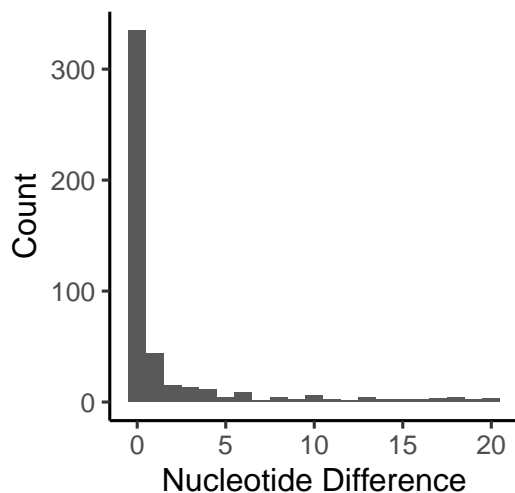
IGHV3-49*03

133 sequences assigned
73 (54.9%) exact matches, in which:
73 unique CDR3
6 unique J



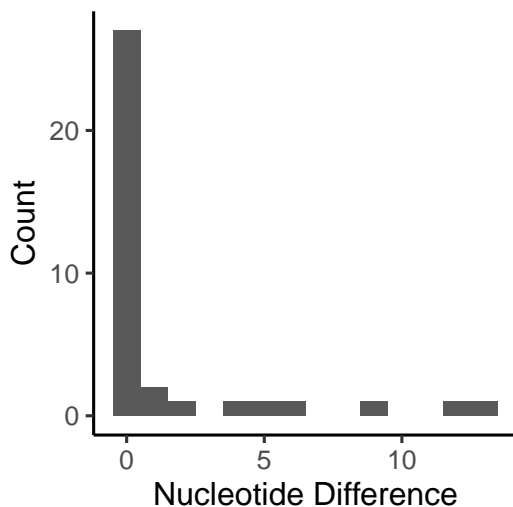
IGHV3-30*01

491 sequences assigned
335 (68.2%) exact matches, in which:
334 unique CDR3
6 unique J



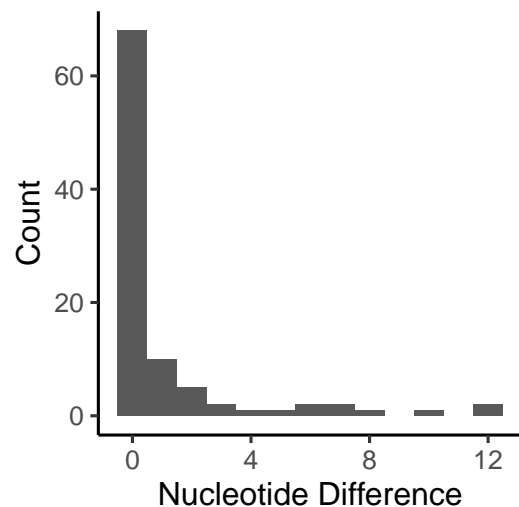
IGHV3-43*01_C237T

36 sequences assigned
27 (75%) exact matches, in which:
27 unique CDR3
4 unique J



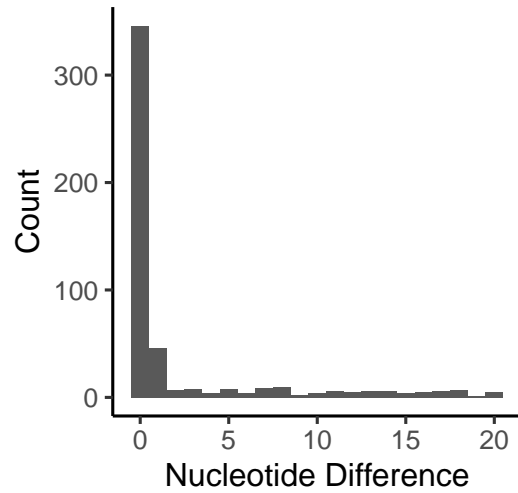
IGHV3-49*05

95 sequences assigned
68 (71.6%) exact matches, in which:
68 unique CDR3
5 unique J



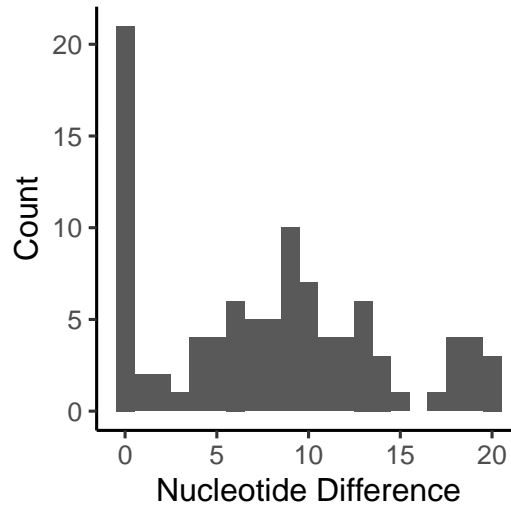
IGHV3-53*01

540 sequences assigned
346 (64.1%) exact matches, in which:
345 unique CDR3
6 unique J



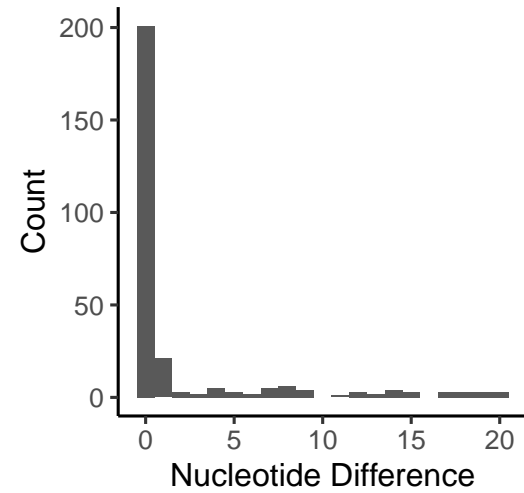
IGHV3-72*01

108 sequences assigned
21 (19.4%) exact matches, in which:
21 unique CDR3
4 unique J



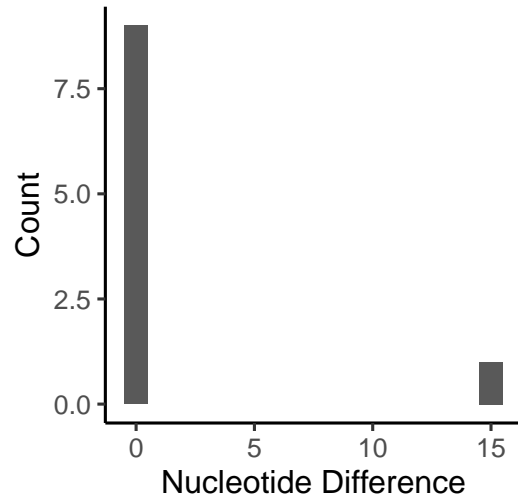
IGHV4-4*07

291 sequences assigned
201 (69.1%) exact matches, in which:
201 unique CDR3
6 unique J



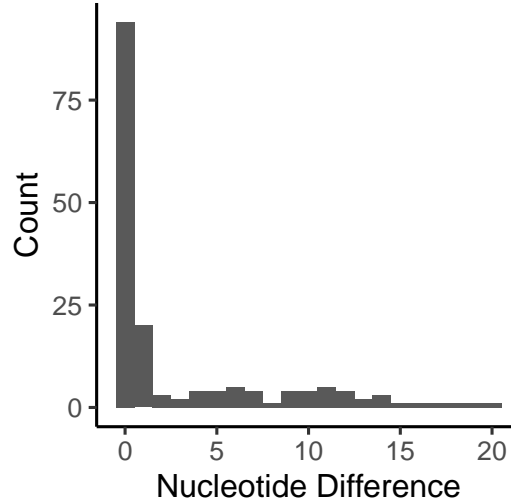
IGHV3-64*02

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



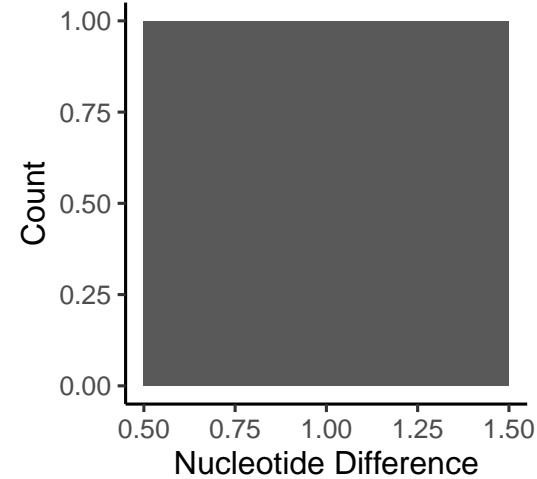
IGHV3-73*02

175 sequences assigned
94 (53.7%) exact matches, in which:
94 unique CDR3
5 unique J



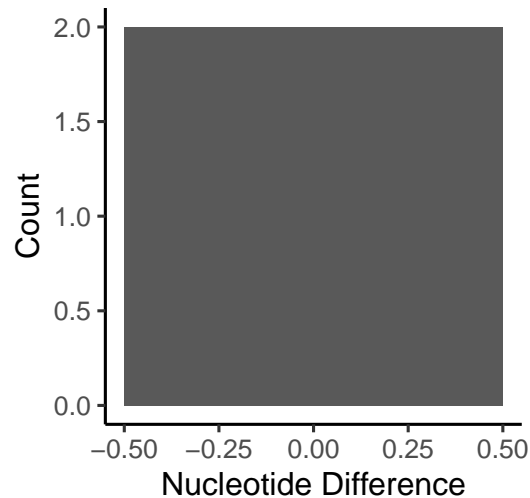
IGHV4-28*02

1 sequences assigned
No exact matches.



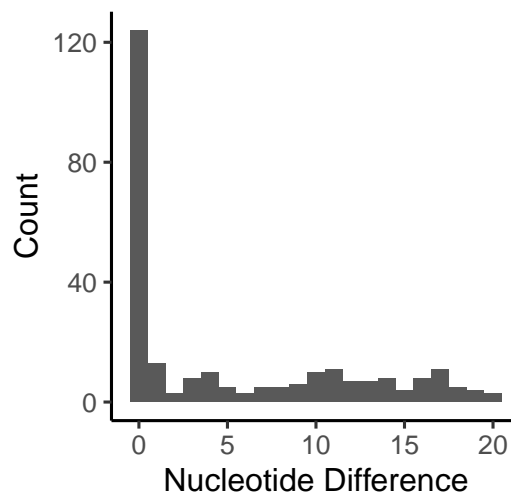
IGHV3-69-1*01

6 sequences assigned
2 (33.3%) exact matches, in which:
2 unique CDR3
1 unique J



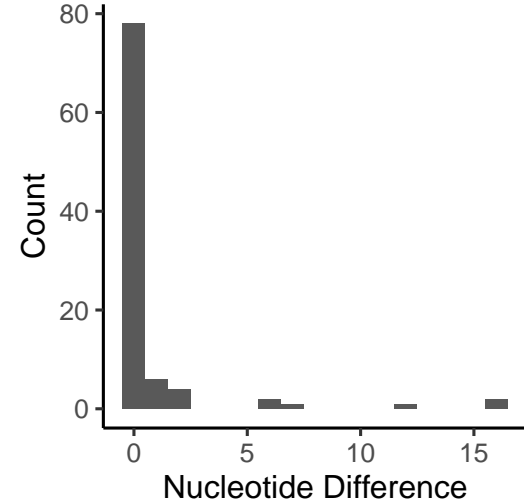
IGHV3-74*01

279 sequences assigned
124 (44.4%) exact matches, in which:
124 unique CDR3
5 unique J



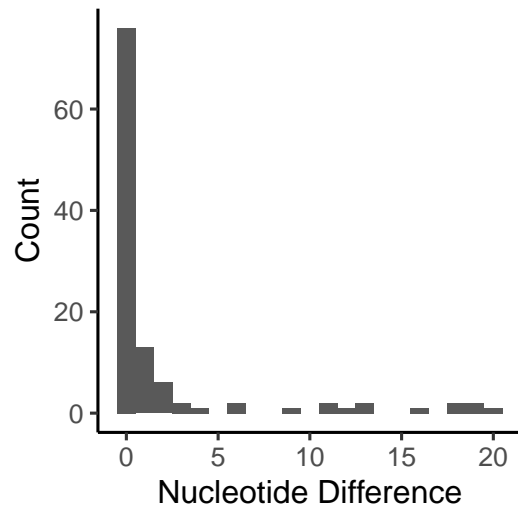
IGHV4-30-2*01

107 sequences assigned
78 (72.9%) exact matches, in which:
78 unique CDR3
6 unique J



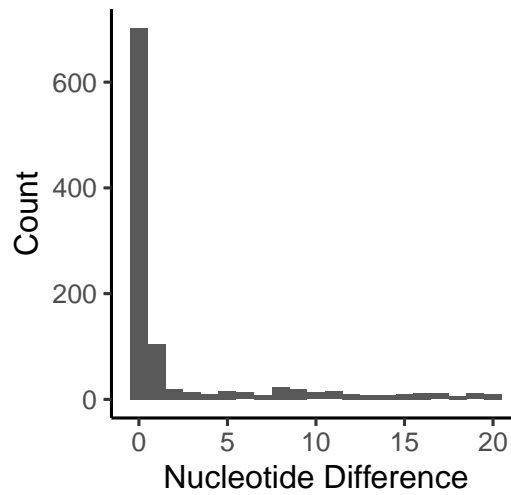
IGHV4-30-4*01

119 sequences assigned
76 (63.9%) exact matches, in which:
75 unique CDR3
5 unique J



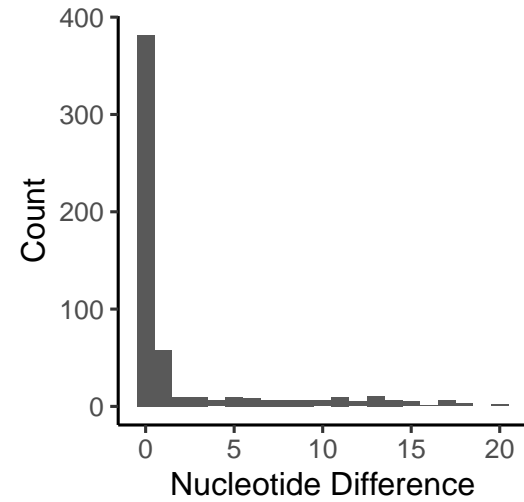
IGHV4-39*01

1111 sequences assigned
703 (63.3%) exact matches, in which:
701 unique CDR3
6 unique J



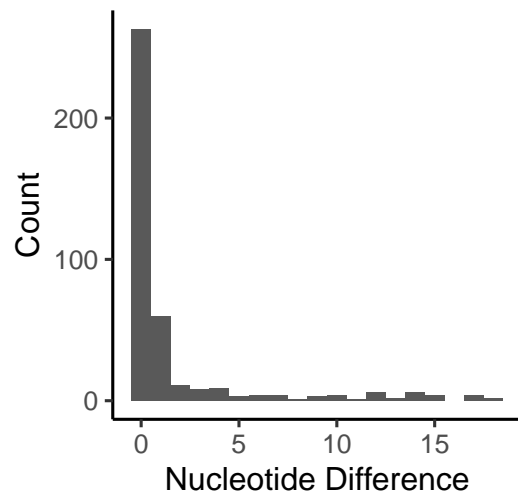
IGHV5-51*01

590 sequences assigned
382 (64.7%) exact matches, in which:
380 unique CDR3
6 unique J



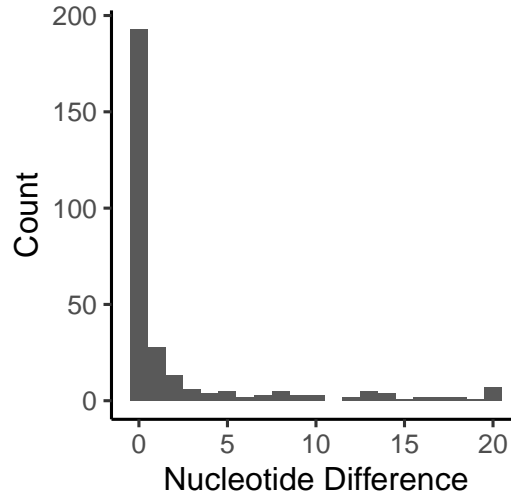
IGHV4-31*03

415 sequences assigned
263 (63.4%) exact matches, in which:
263 unique CDR3
6 unique J



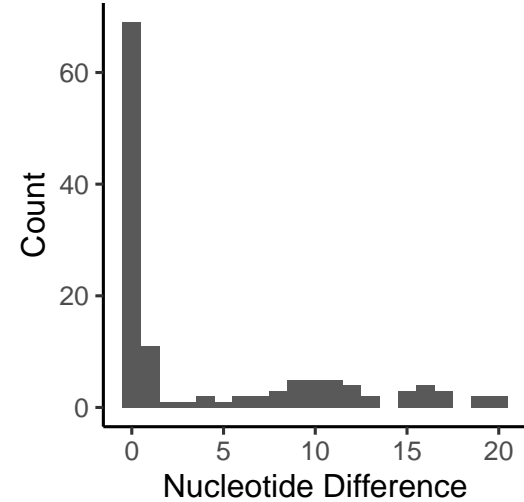
IGHV4-59*01

311 sequences assigned
193 (62.1%) exact matches, in which:
192 unique CDR3
6 unique J



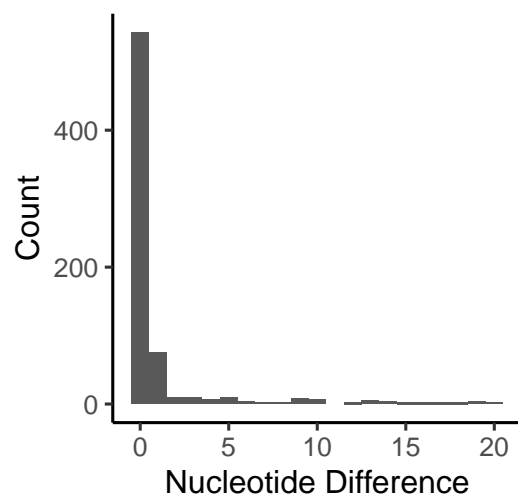
IGHV6-1*01

135 sequences assigned
69 (51.1%) exact matches, in which:
68 unique CDR3
5 unique J



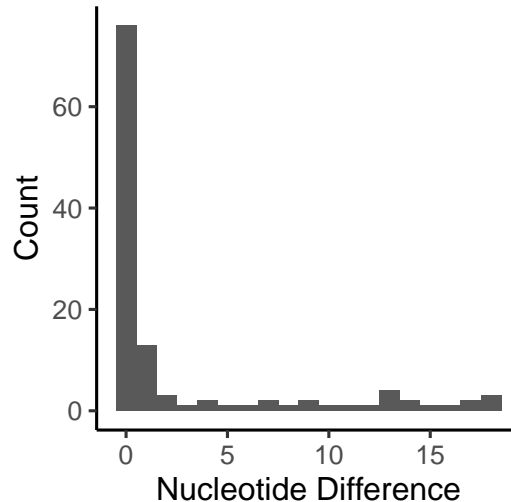
IGHV4-34*01

727 sequences assigned
543 (74.7%) exact matches, in which:
540 unique CDR3
6 unique J



IGHV4-61*01

131 sequences assigned
76 (58%) exact matches, in which:
76 unique CDR3
6 unique J





Warning – no inferred sequences found.