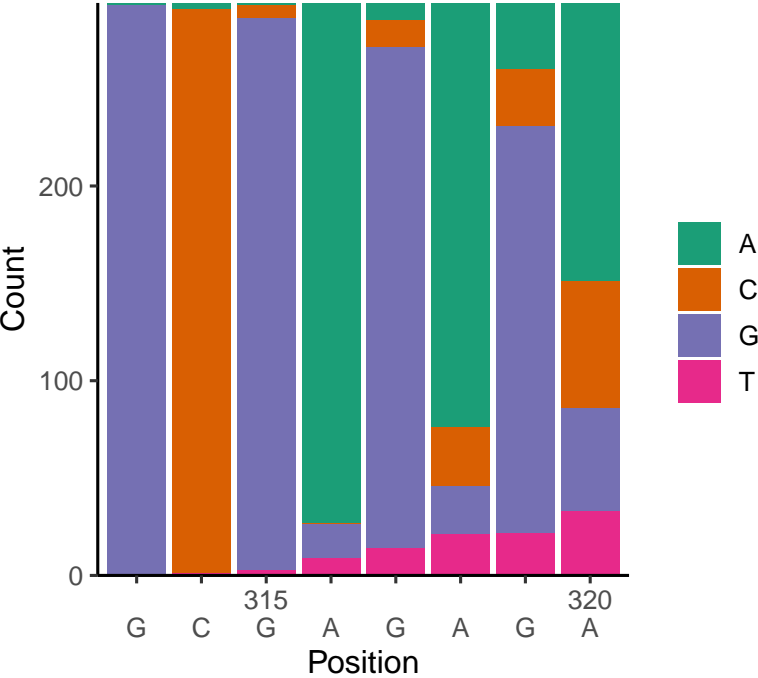
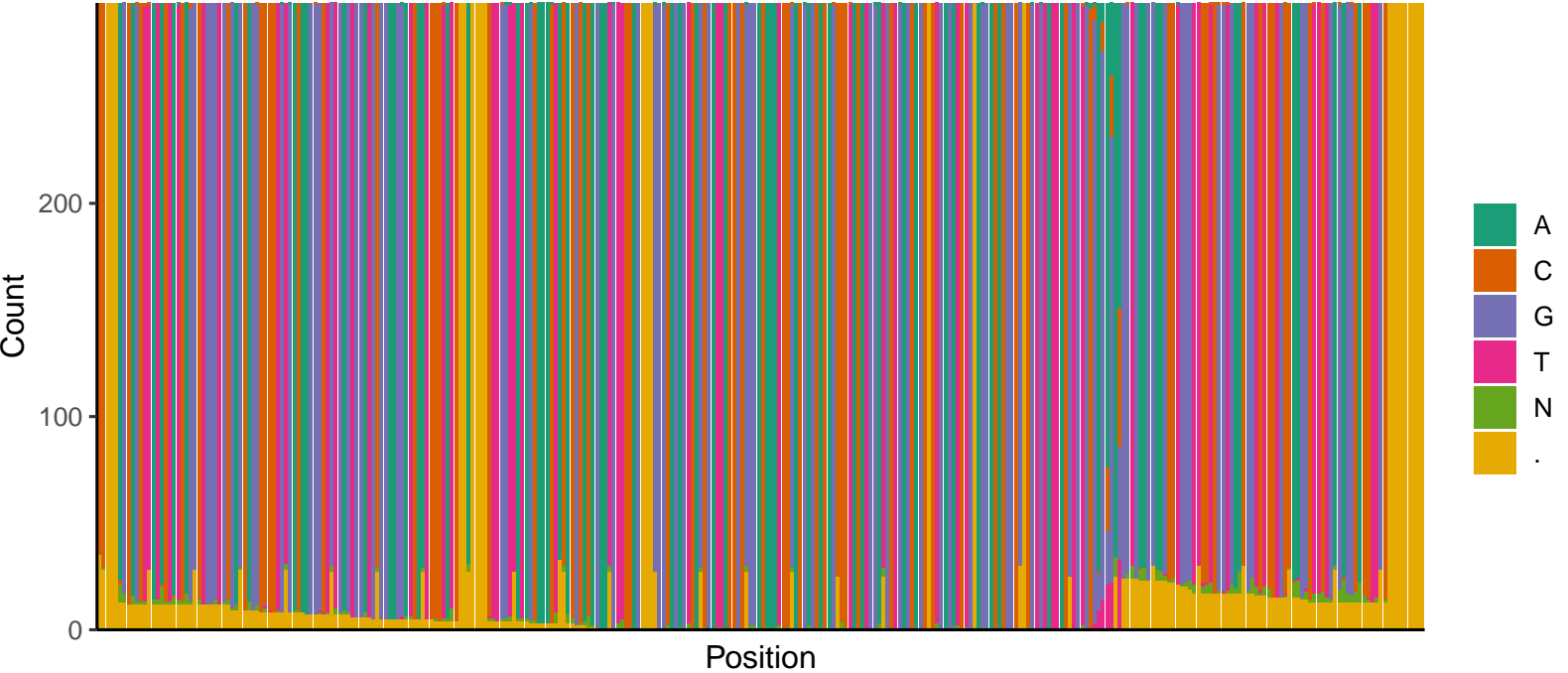


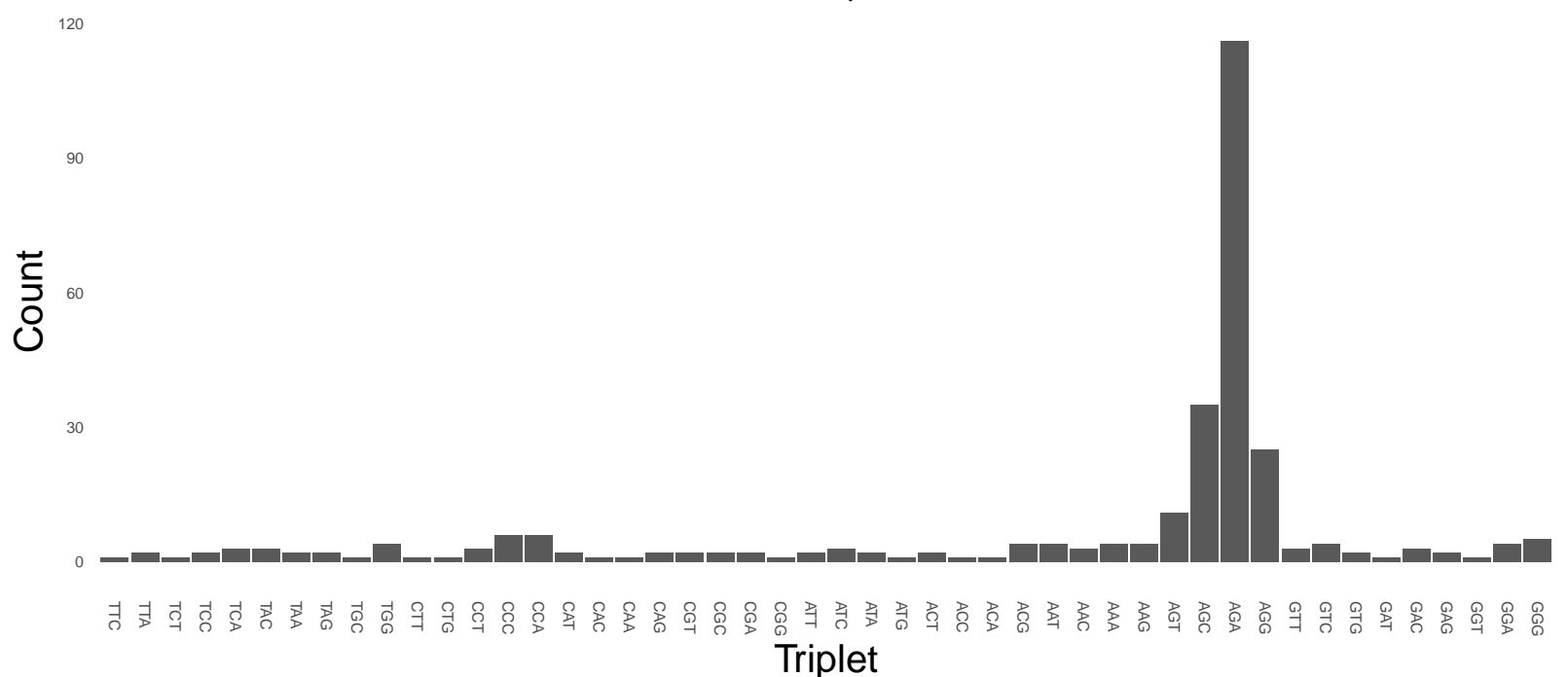
Gene IGHV1-69*08_C191T



Gene IGHV1-69*08_C191T

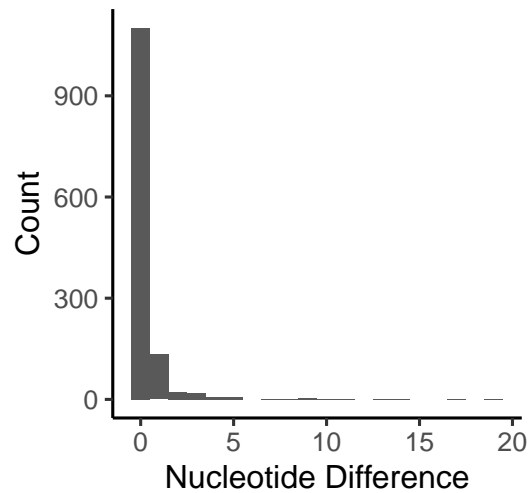


IGHV1-69*08_C191T- Final 3 nucleotides as a triplet



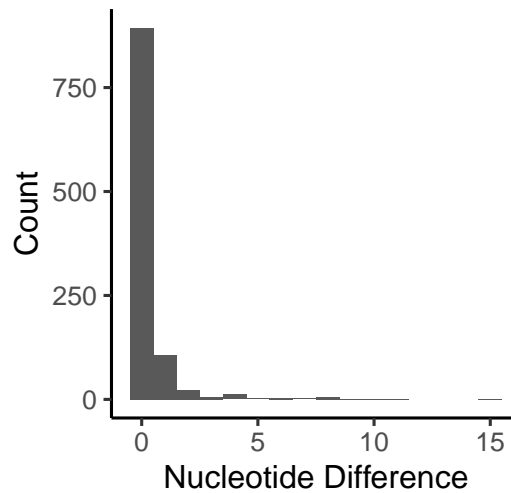
IGHV1-2*02

1307 sequences assigned
1102 (84.3%) exact matches, in which:
1058 unique CDR3
6 unique J



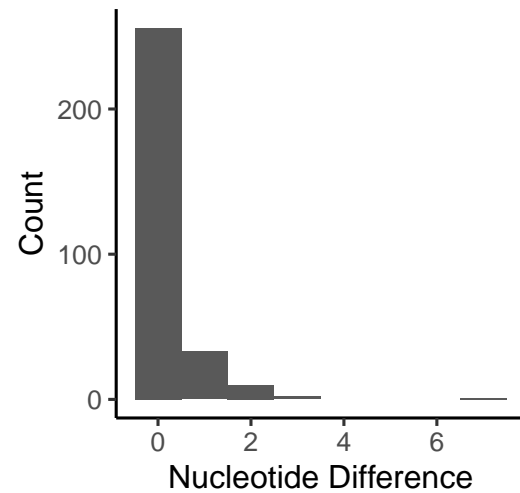
IGHV1-18*01

1055 sequences assigned
894 (84.7%) exact matches, in which:
855 unique CDR3
6 unique J



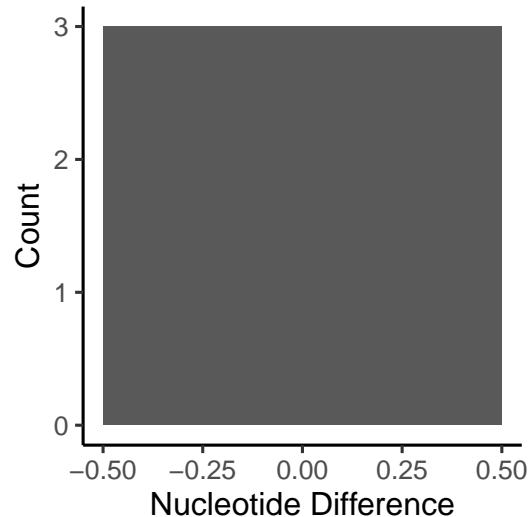
IGHV1-46*01

303 sequences assigned
256 (84.5%) exact matches, in which:
246 unique CDR3
6 unique J



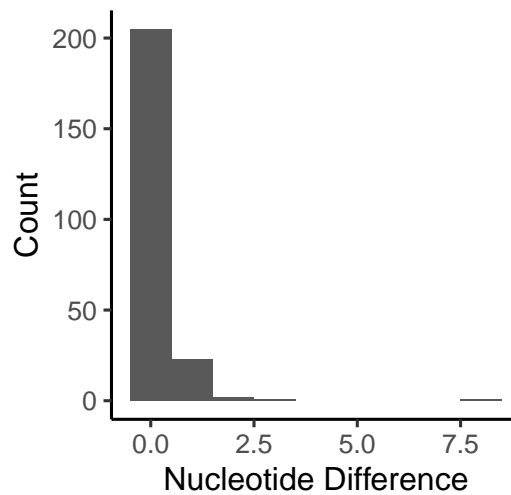
IGHV1-3*02

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



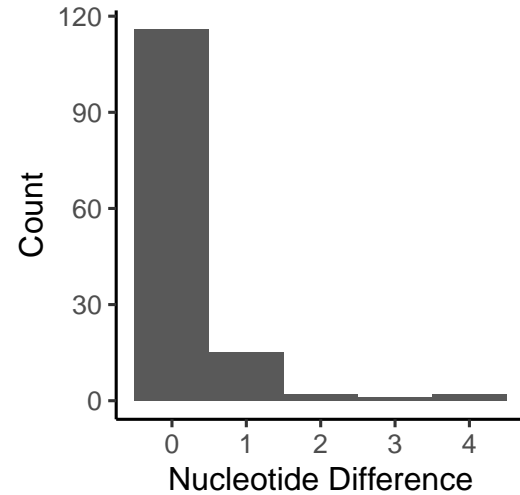
IGHV1-24*01

232 sequences assigned
205 (88.4%) exact matches, in which:
199 unique CDR3
6 unique J



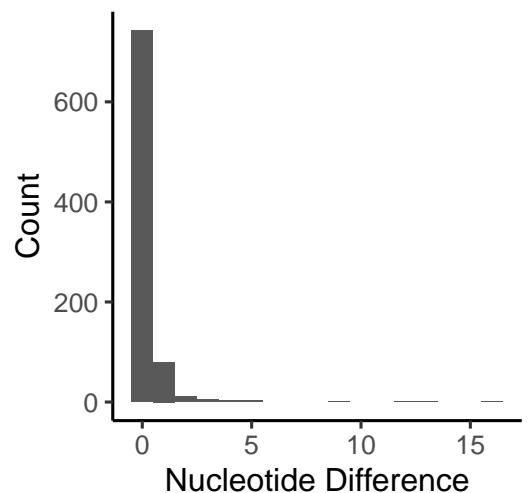
IGHV1-46*03

136 sequences assigned
116 (85.3%) exact matches, in which:
115 unique CDR3
6 unique J



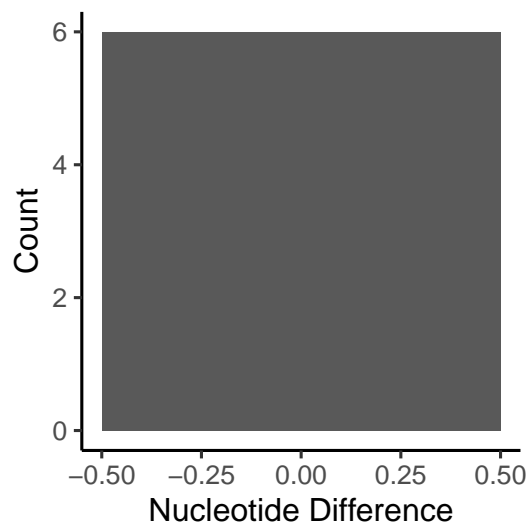
IGHV1-8*01

851 sequences assigned
743 (87.3%) exact matches, in which:
717 unique CDR3
6 unique J



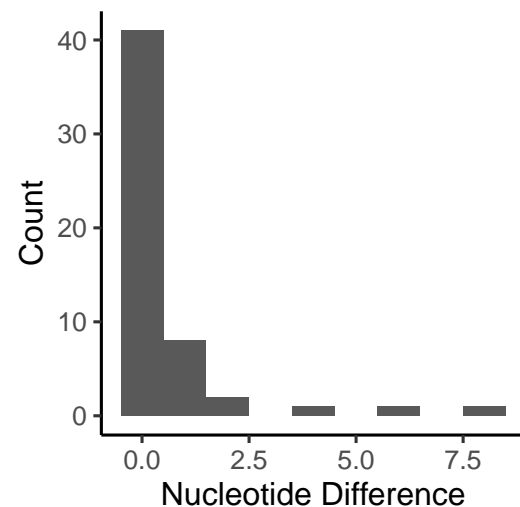
IGHV1-45*02

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
3 unique J



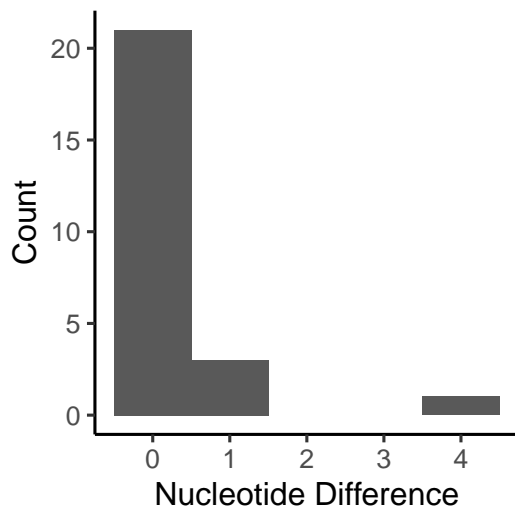
IGHV1-58*01

54 sequences assigned
41 (75.9%) exact matches, in which:
41 unique CDR3
6 unique J



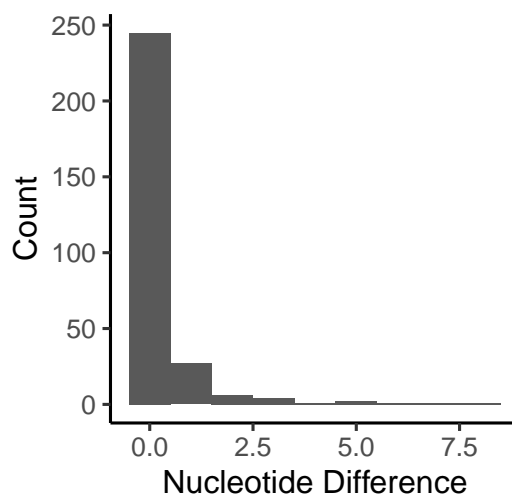
IGHV1-58*02

25 sequences assigned
21 (84%) exact matches, in which:
19 unique CDR3
5 unique J



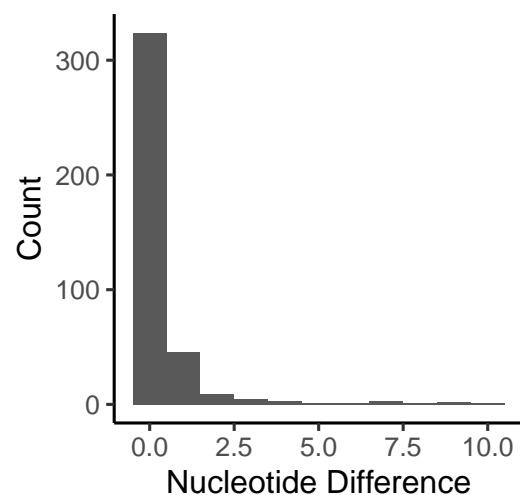
IGHV2-26*01

288 sequences assigned
245 (85.1%) exact matches, in which:
240 unique CDR3
6 unique J



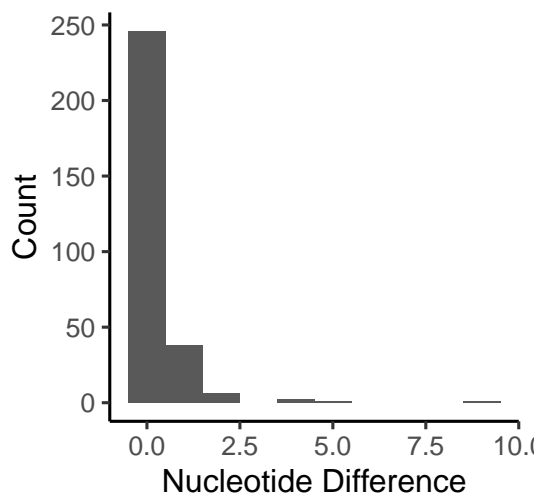
IGHV3-7*01

396 sequences assigned
324 (81.8%) exact matches, in which:
314 unique CDR3
6 unique J



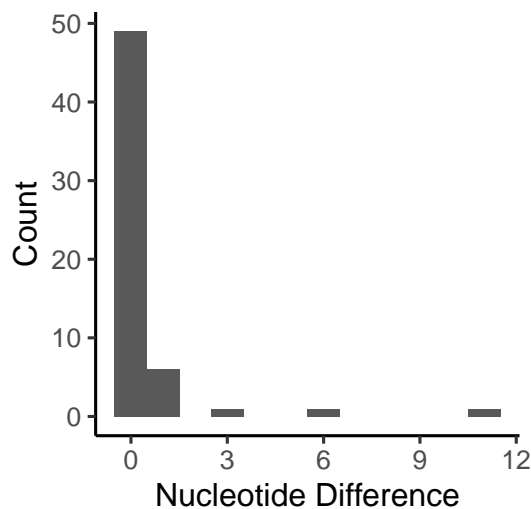
IGHV1-69*08_C191T

294 sequences assigned
246 (83.7%) exact matches, in which:
232 unique CDR3
6 unique J



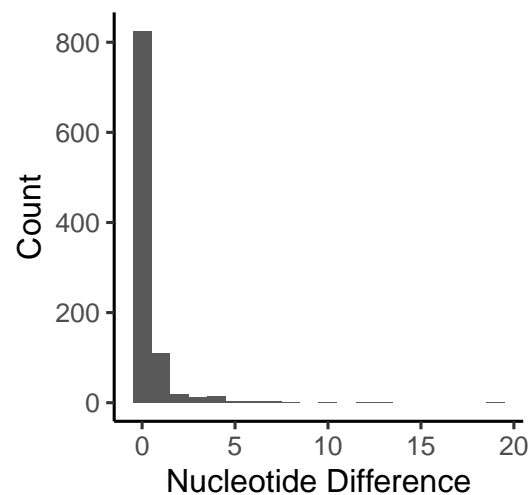
IGHV2-70*01

58 sequences assigned
49 (84.5%) exact matches, in which:
49 unique CDR3
5 unique J



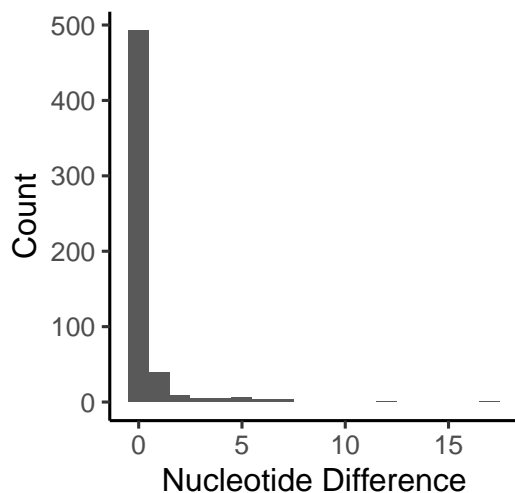
IGHV3-9*01

996 sequences assigned
825 (82.8%) exact matches, in which:
797 unique CDR3
6 unique J



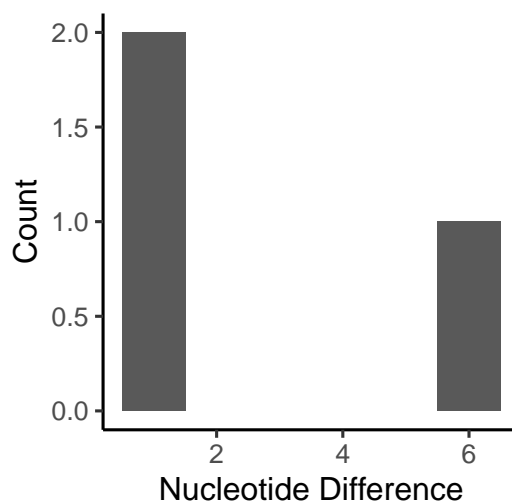
IGHV2-5*01

566 sequences assigned
493 (87.1%) exact matches, in which:
475 unique CDR3
6 unique J



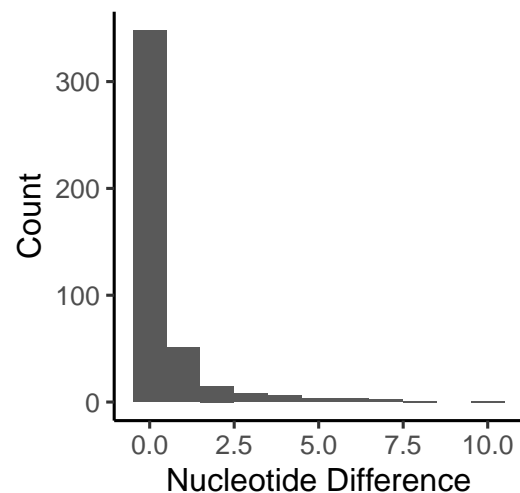
IGHV2-70D*04

3 sequences assigned
No exact matches.



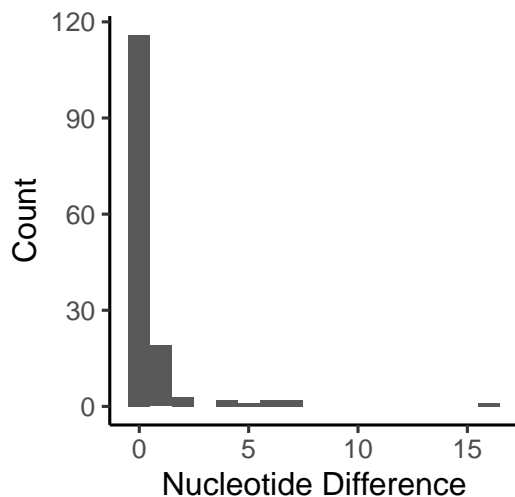
IGHV3-11*01

439 sequences assigned
348 (79.3%) exact matches, in which:
339 unique CDR3
6 unique J



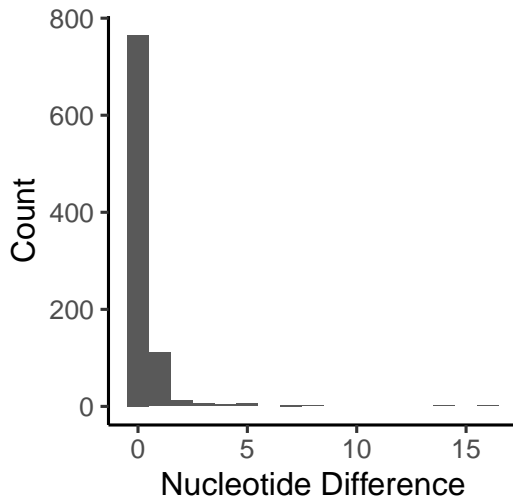
IGHV3-13*01

146 sequences assigned
116 (79.5%) exact matches, in which:
114 unique CDR3
5 unique J



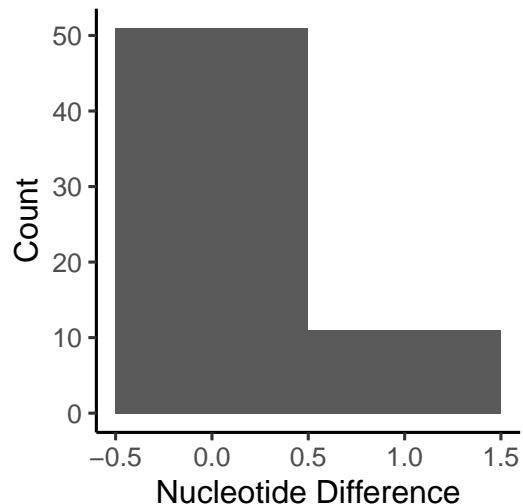
IGHV3-21*01

914 sequences assigned
766 (83.8%) exact matches, in which:
748 unique CDR3
6 unique J



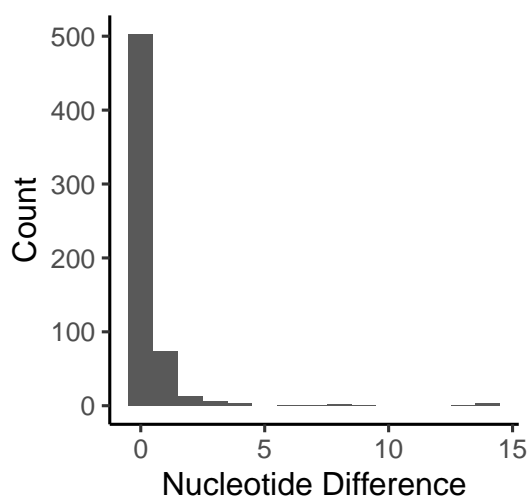
IGHV3-43*01

62 sequences assigned
51 (82.3%) exact matches, in which:
50 unique CDR3
6 unique J



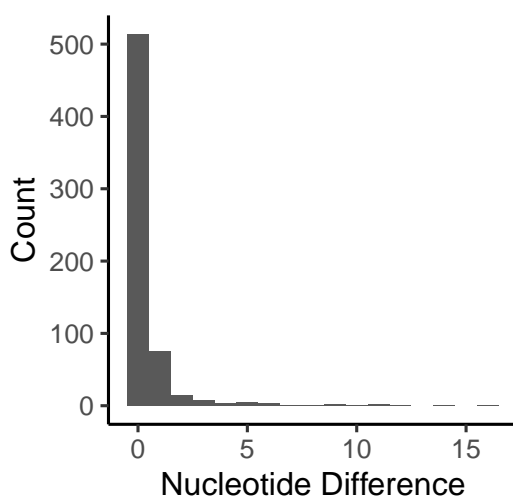
IGHV3-15*01

608 sequences assigned
503 (82.7%) exact matches, in which:
492 unique CDR3
6 unique J



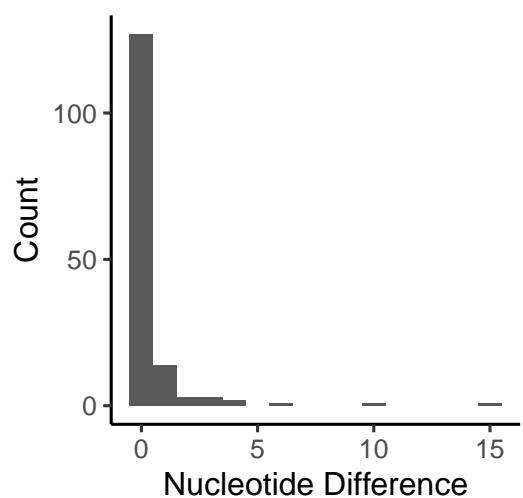
IGHV3-30-3*01

637 sequences assigned
514 (80.7%) exact matches, in which:
502 unique CDR3
6 unique J



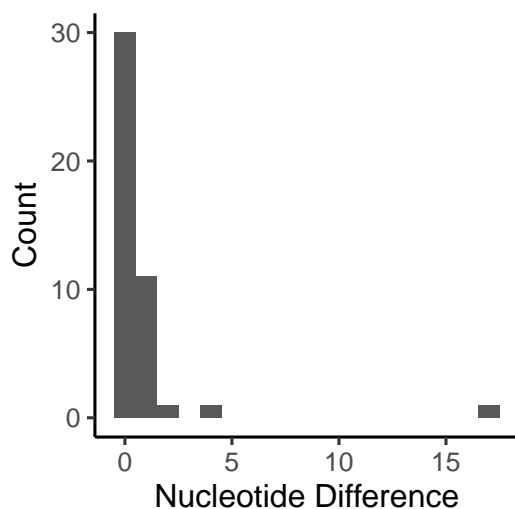
IGHV3-48*01

152 sequences assigned
127 (83.6%) exact matches, in which:
124 unique CDR3
6 unique J



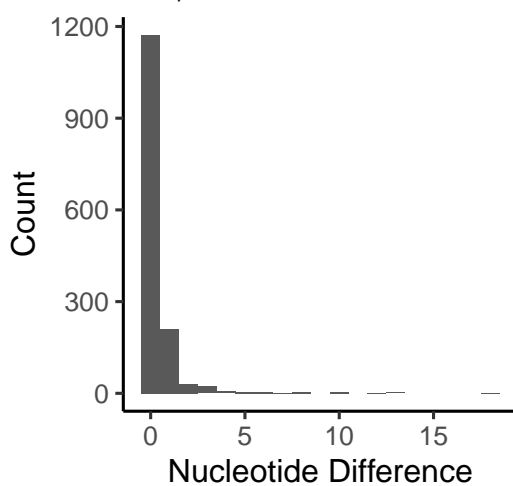
IGHV3-20*01

44 sequences assigned
30 (68.2%) exact matches, in which:
30 unique CDR3
5 unique J



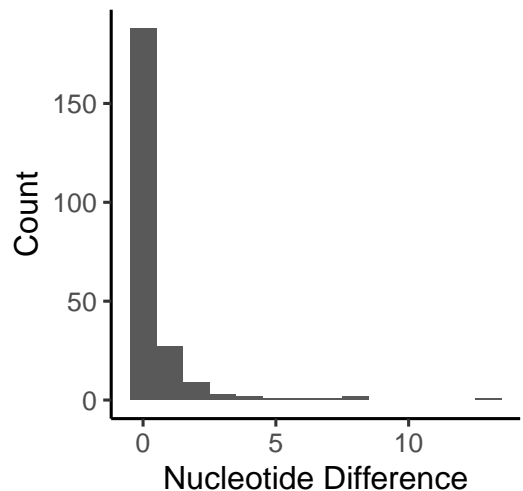
IGHV3-33*01

1469 sequences assigned
1172 (79.8%) exact matches, in which:
1134 unique CDR3
6 unique J



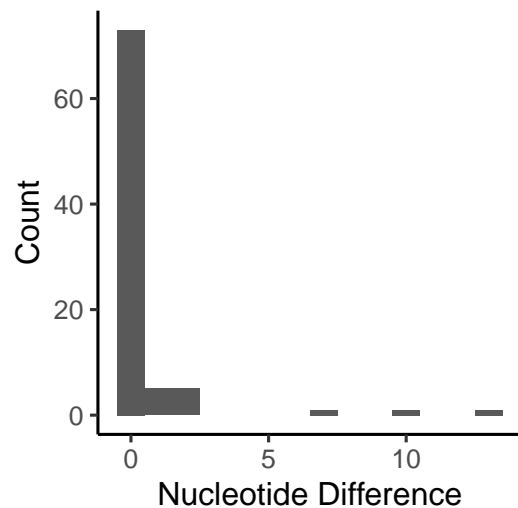
IGHV3-48*02

235 sequences assigned
188 (80%) exact matches, in which:
183 unique CDR3
6 unique J



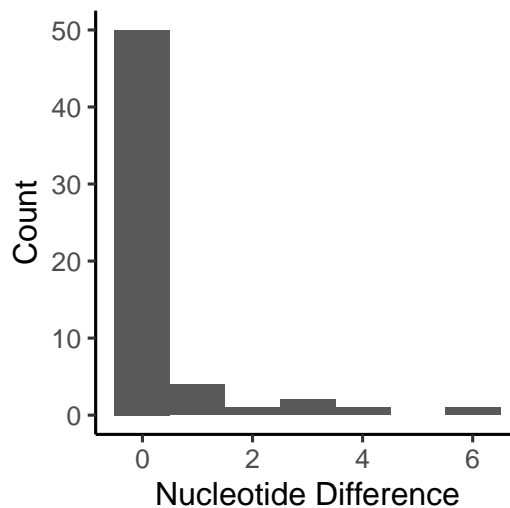
IGHV3-49*03

86 sequences assigned
73 (84.9%) exact matches, in which:
71 unique CDR3
4 unique J



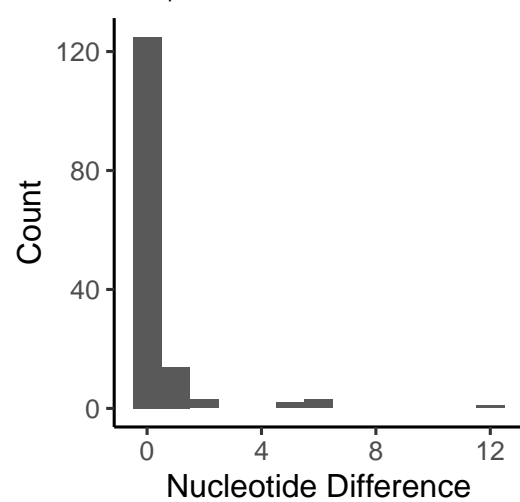
IGHV3-53*02

59 sequences assigned
50 (84.7%) exact matches, in which:
49 unique CDR3
6 unique J



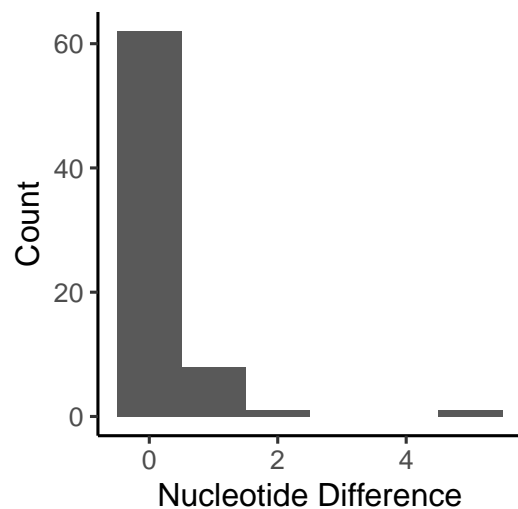
IGHV3-66*02

148 sequences assigned
125 (84.5%) exact matches, in which:
121 unique CDR3
5 unique J



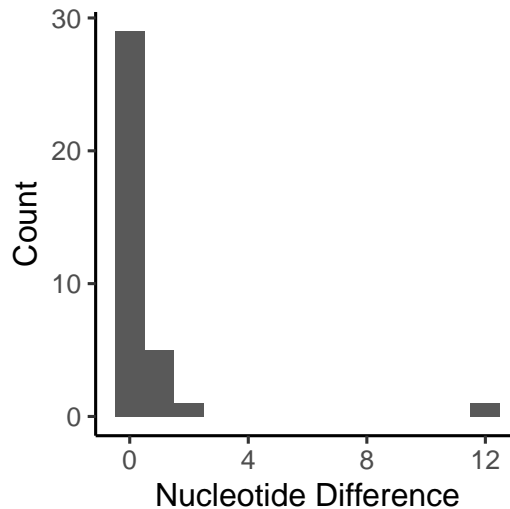
IGHV3-49*05

72 sequences assigned
62 (86.1%) exact matches, in which:
60 unique CDR3
5 unique J



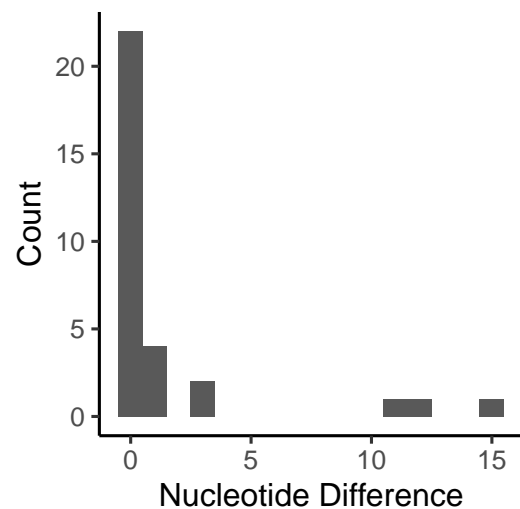
IGHV3-64*01

36 sequences assigned
29 (80.6%) exact matches, in which:
29 unique CDR3
4 unique J



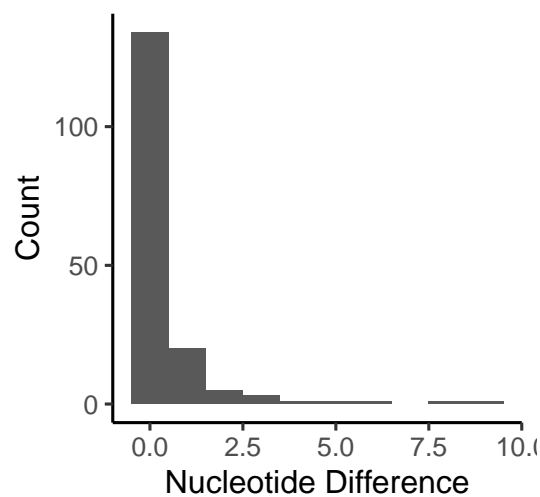
IGHV3-72*01

31 sequences assigned
22 (71%) exact matches, in which:
21 unique CDR3
5 unique J



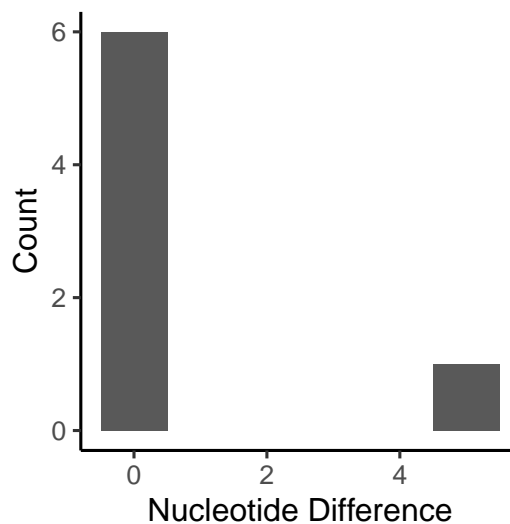
IGHV3-53*01

167 sequences assigned
134 (80.2%) exact matches, in which:
132 unique CDR3
6 unique J



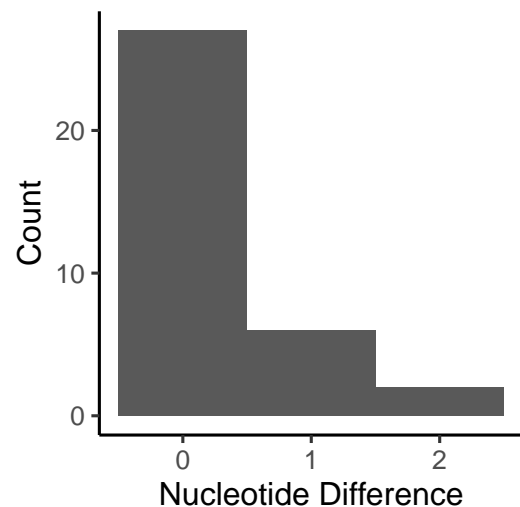
IGHV3-64*02

7 sequences assigned
6 (85.7%) exact matches, in which:
6 unique CDR3
4 unique J



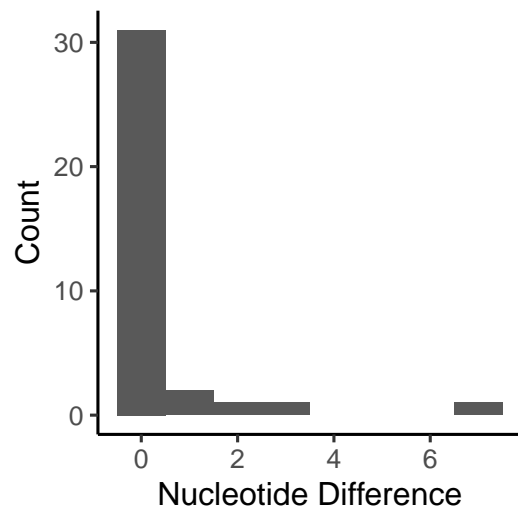
IGHV3-73*01

35 sequences assigned
27 (77.1%) exact matches, in which:
26 unique CDR3
3 unique J



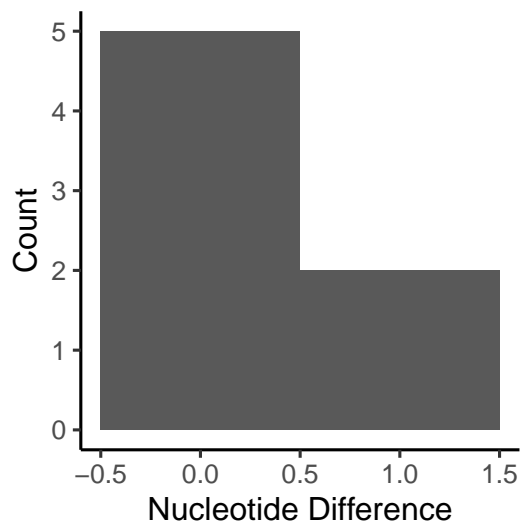
IGHV3-73*02

36 sequences assigned
31 (86.1%) exact matches, in which:
31 unique CDR3
4 unique J



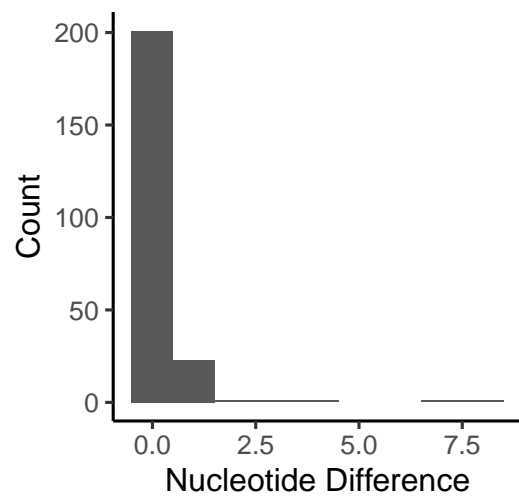
IGHV4-28*01

7 sequences assigned
5 (71.4%) exact matches, in which:
4 unique CDR3
2 unique J



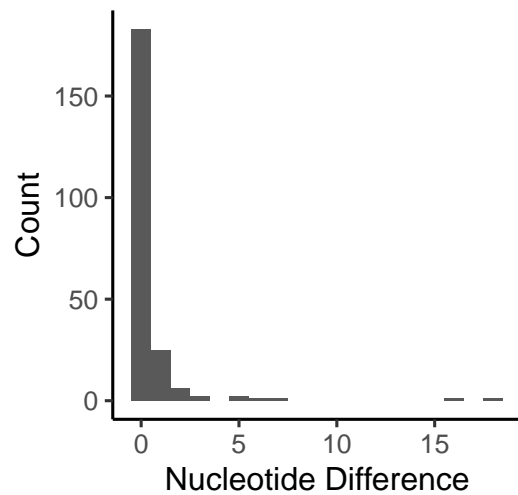
IGHV4-30-4*01

229 sequences assigned
201 (87.8%) exact matches, in which:
191 unique CDR3
6 unique J



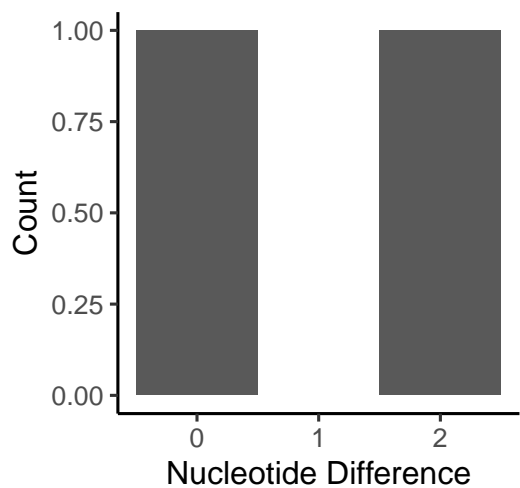
IGHV3-74*01

223 sequences assigned
183 (82.1%) exact matches, in which:
182 unique CDR3
6 unique J



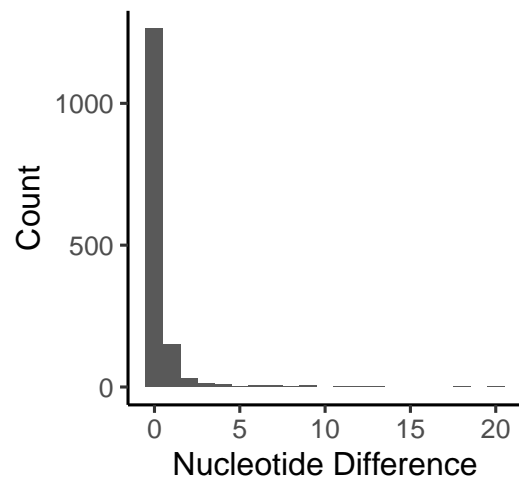
IGHV4-28*03

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



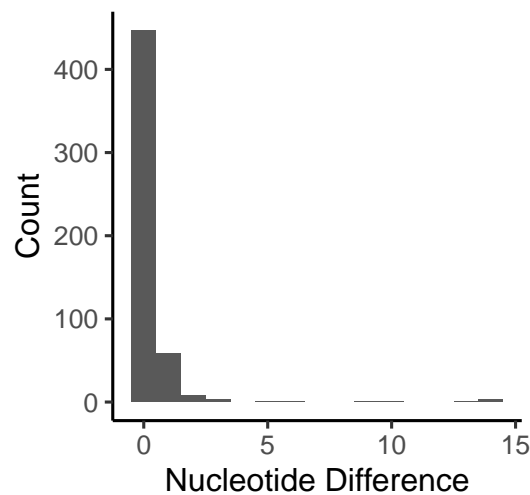
IGHV4-31*03

1486 sequences assigned
1263 (85%) exact matches, in which:
1231 unique CDR3
6 unique J



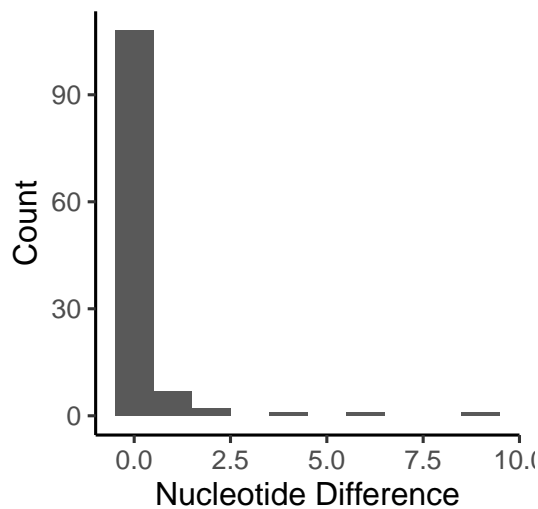
IGHV4-4*07

530 sequences assigned
447 (84.3%) exact matches, in which:
429 unique CDR3
6 unique J



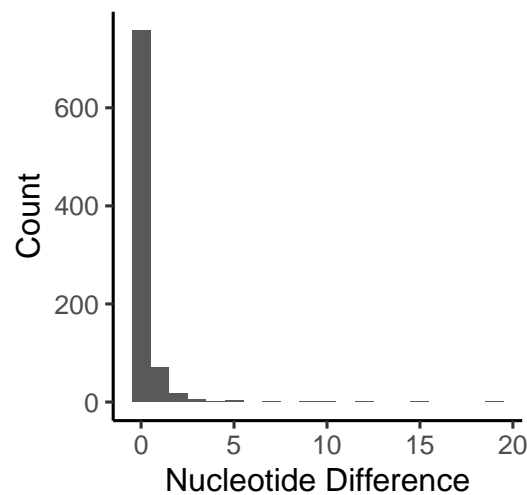
IGHV4-30-2*01

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



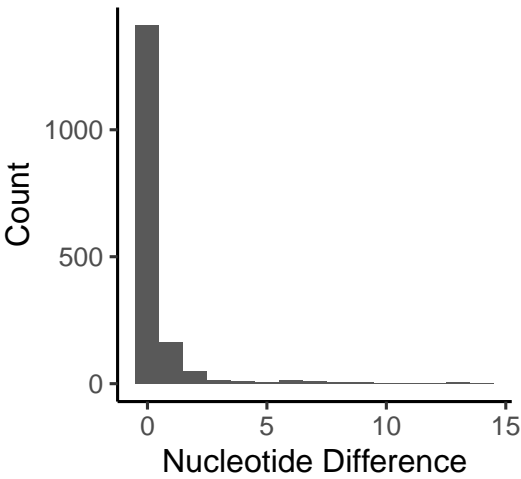
IGHV4-34*01

863 sequences assigned
758 (87.8%) exact matches, in which:
719 unique CDR3
6 unique J



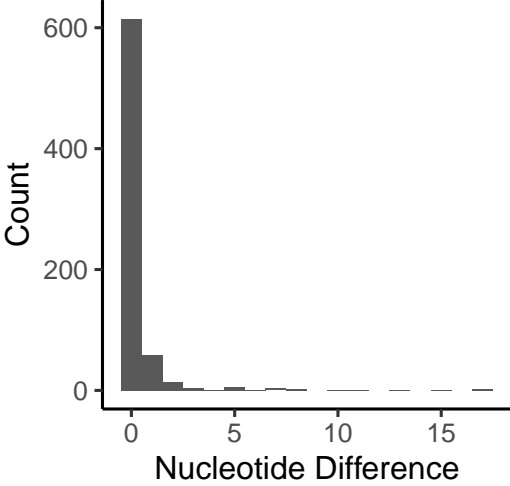
IGHV4-39*01

1705 sequences assigned
1411 (82.8%) exact matches, in which:
1341 unique CDR3
6 unique J



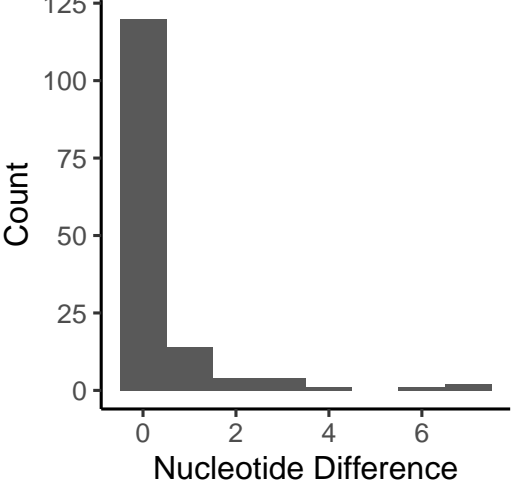
IGHV4-61*02

711 sequences assigned
615 (86.5%) exact matches, in which:
592 unique CDR3
6 unique J



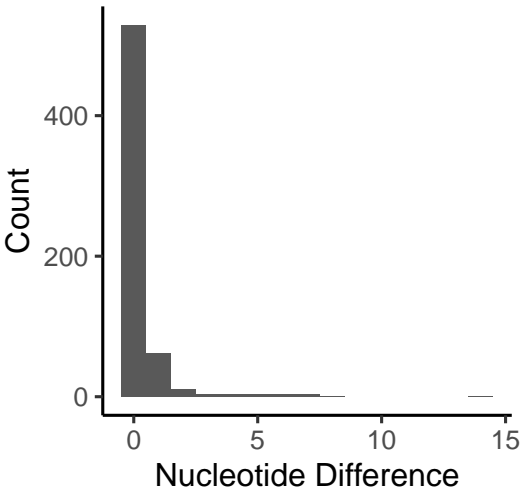
IGHV6-1*01

146 sequences assigned
120 (82.2%) exact matches, in which:
116 unique CDR3
6 unique J



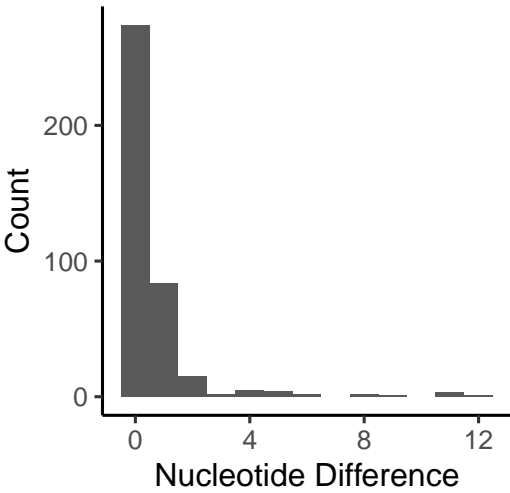
IGHV4-59*01

624 sequences assigned
529 (84.8%) exact matches, in which:
515 unique CDR3
6 unique J



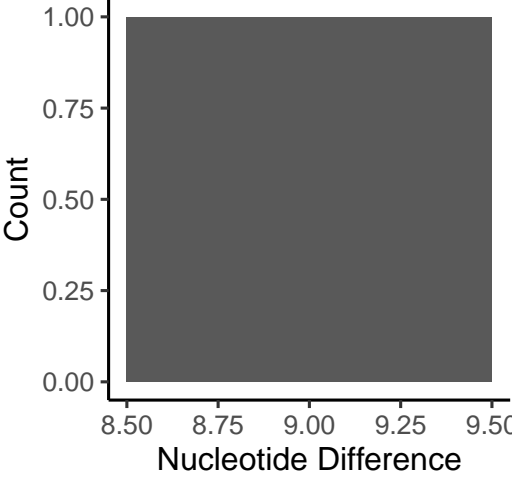
IGHV5-51*01

397 sequences assigned
274 (69%) exact matches, in which:
262 unique CDR3
6 unique J



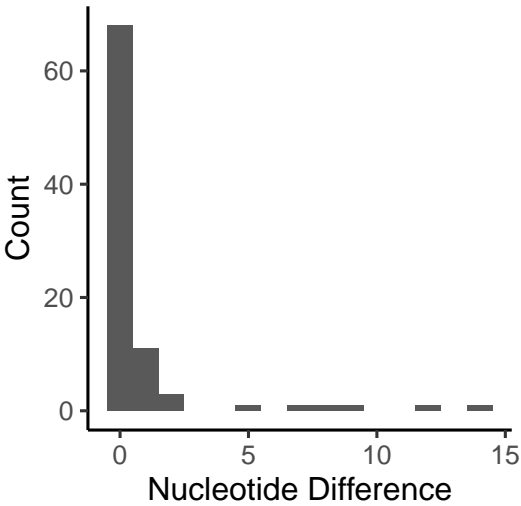
IGHV7-81*01

1 sequences assigned
No exact matches.



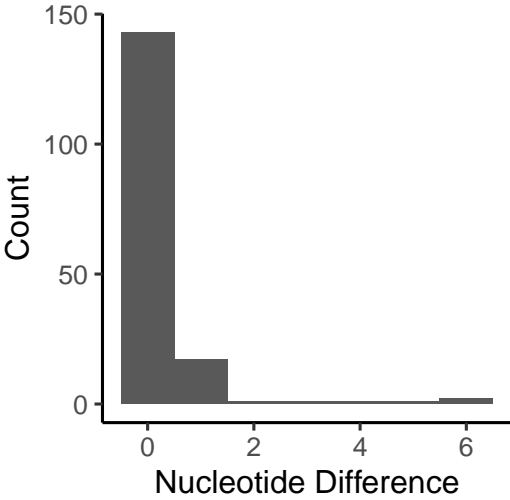
IGHV4-61*01

88 sequences assigned
68 (77.3%) exact matches, in which:
67 unique CDR3
6 unique J

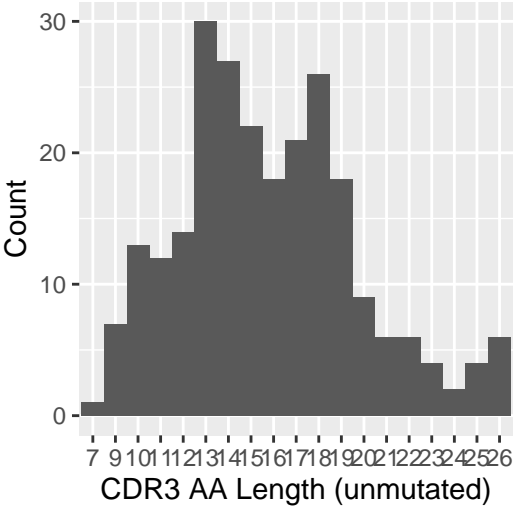


IGHV5-51*03

167 sequences assigned
143 (85.6%) exact matches, in which:
139 unique CDR3
5 unique J



IGHV1-69*08_C191T





Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.