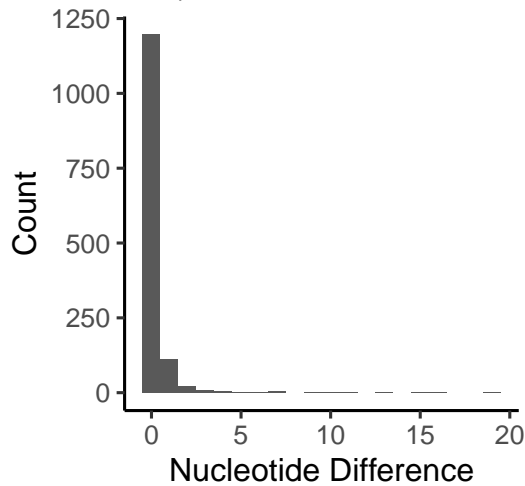


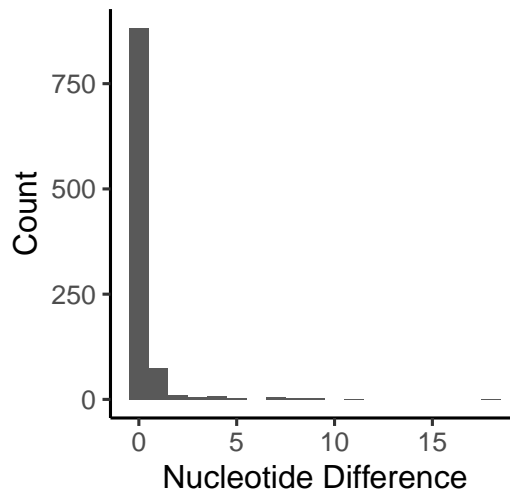
IGHV1-2*02

1360 sequences assigned
1197 (88%) exact matches, in which:
1129 unique CDR3
7 unique J



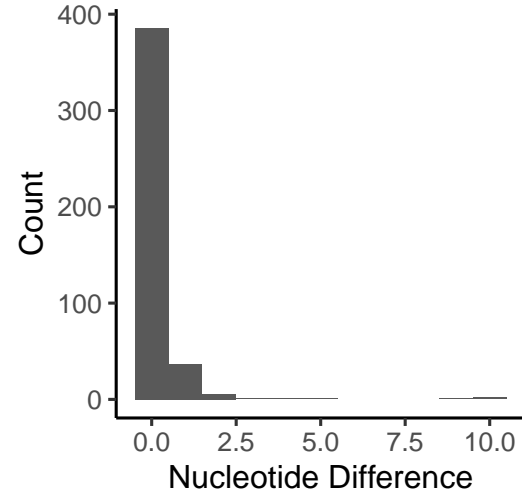
IGHV1-18*01

1001 sequences assigned
883 (88.2%) exact matches, in which:
852 unique CDR3
7 unique J



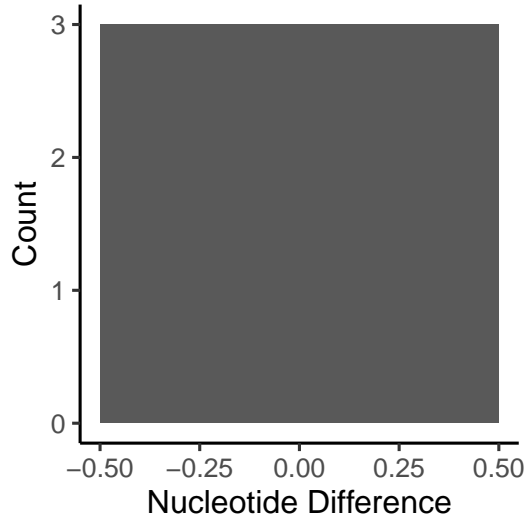
IGHV1-46*01

436 sequences assigned
386 (88.5%) exact matches, in which:
375 unique CDR3
6 unique J



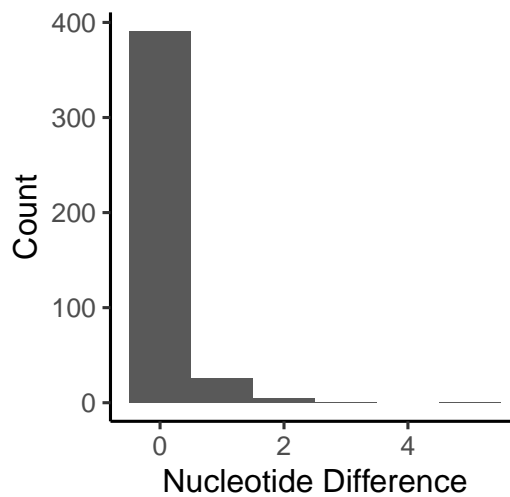
IGHV1-3*02

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



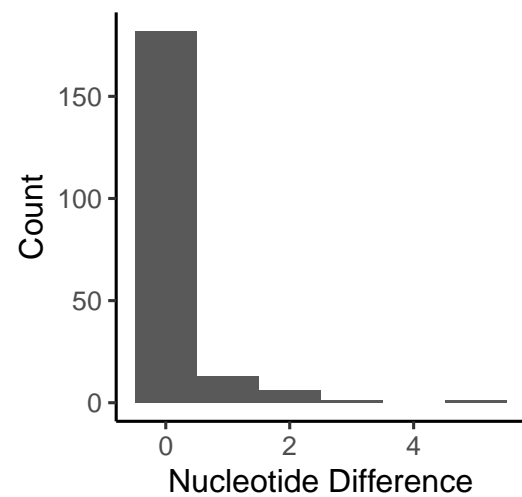
IGHV1-24*01

424 sequences assigned
391 (92.2%) exact matches, in which:
363 unique CDR3
7 unique J



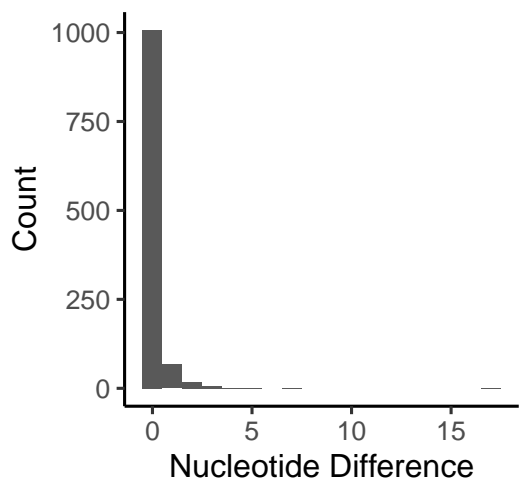
IGHV1-46*03

203 sequences assigned
182 (89.7%) exact matches, in which:
174 unique CDR3
7 unique J



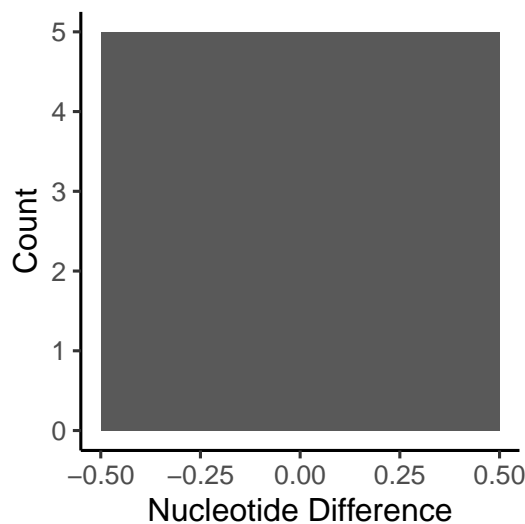
IGHV1-8*01

1102 sequences assigned
1007 (91.4%) exact matches, in which:
947 unique CDR3
7 unique J



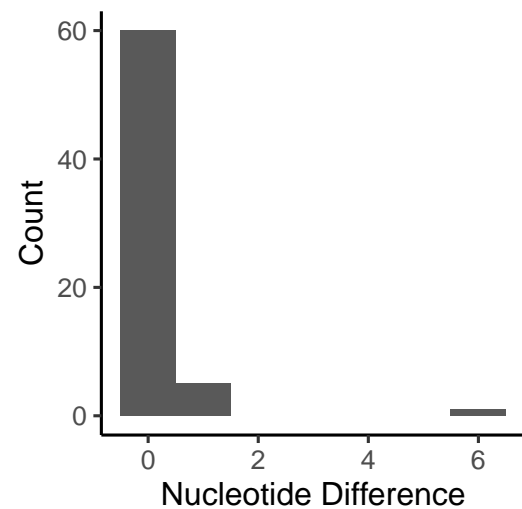
IGHV1-45*02

5 sequences assigned
5 (100%) exact matches, in which:
4 unique CDR3
3 unique J



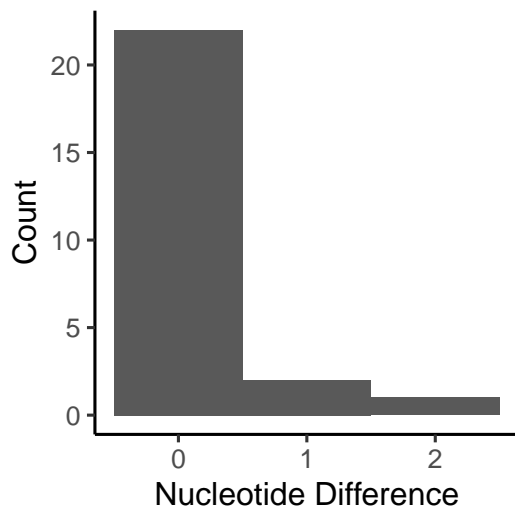
IGHV1-58*01

66 sequences assigned
60 (90.9%) exact matches, in which:
56 unique CDR3
5 unique J



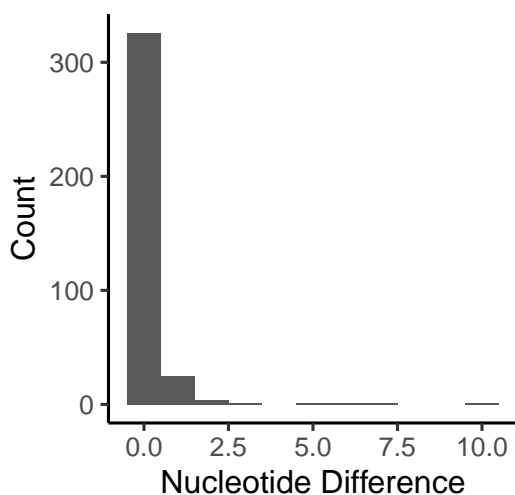
IGHV1-58*02

25 sequences assigned
22 (88%) exact matches, in which:
21 unique CDR3
4 unique J



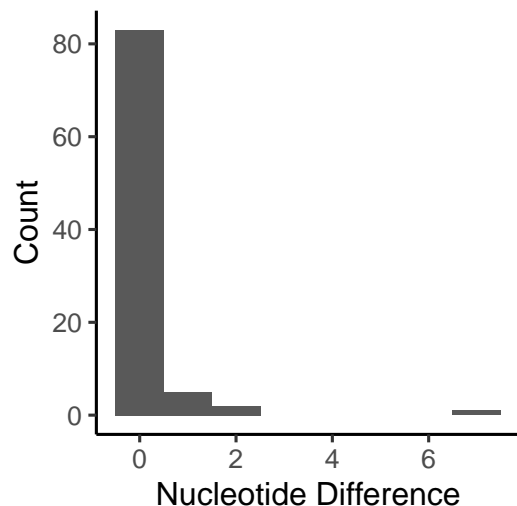
IGHV2-5*02

360 sequences assigned
326 (90.6%) exact matches, in which:
315 unique CDR3
6 unique J



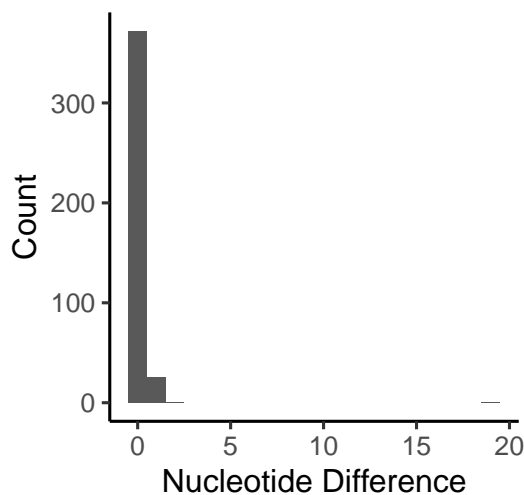
IGHV2-70*15

91 sequences assigned
83 (91.2%) exact matches, in which:
80 unique CDR3
5 unique J



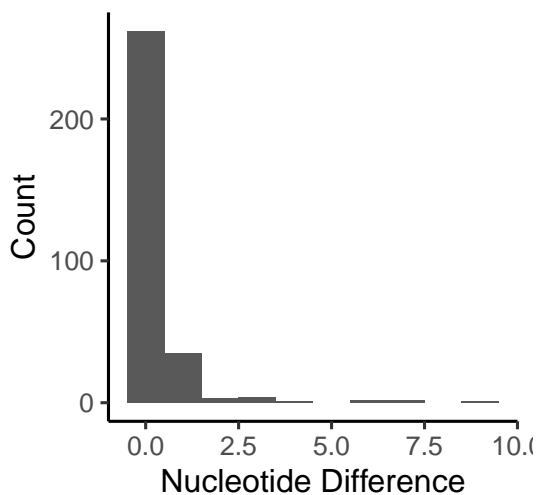
IGHV1-69*04

400 sequences assigned
372 (93%) exact matches, in which:
352 unique CDR3
7 unique J



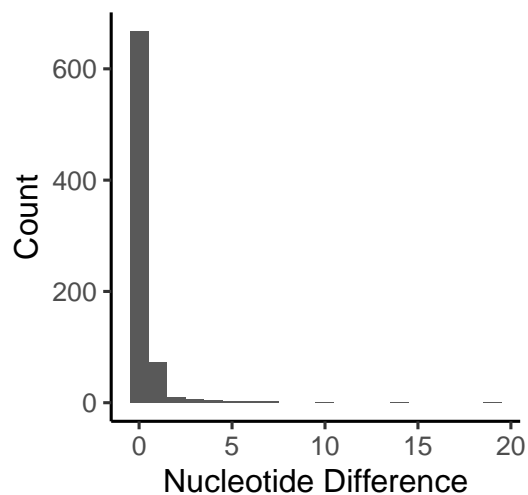
IGHV2-26*01

310 sequences assigned
262 (84.5%) exact matches, in which:
256 unique CDR3
6 unique J



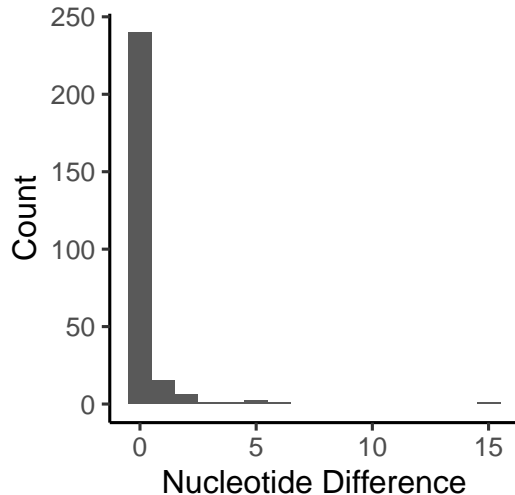
IGHV3-7*01

772 sequences assigned
668 (86.5%) exact matches, in which:
632 unique CDR3
7 unique J



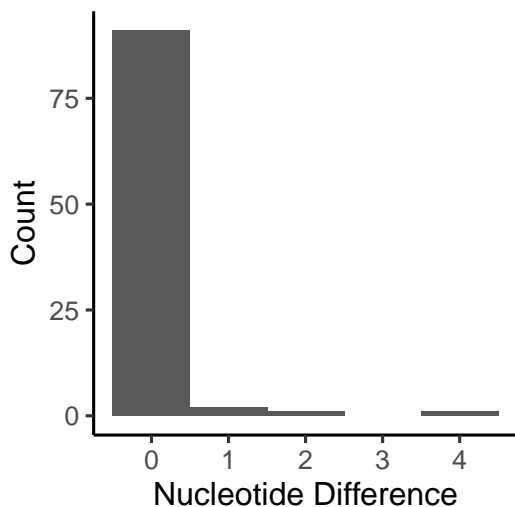
IGHV2-5*01

267 sequences assigned
240 (89.9%) exact matches, in which:
236 unique CDR3
6 unique J



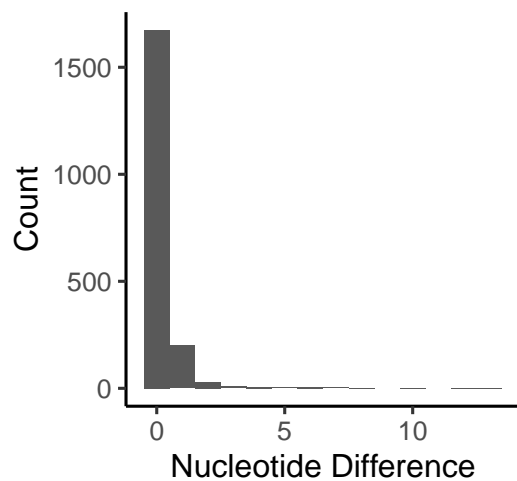
IGHV2-70*01

95 sequences assigned
91 (95.8%) exact matches, in which:
90 unique CDR3
4 unique J



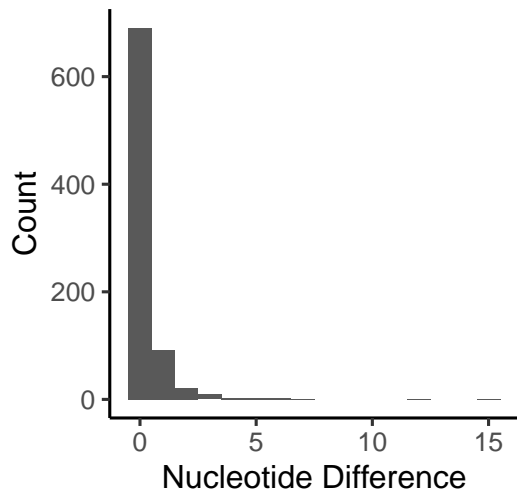
IGHV3-9*01

1932 sequences assigned
1674 (86.6%) exact matches, in which:
1539 unique CDR3
7 unique J



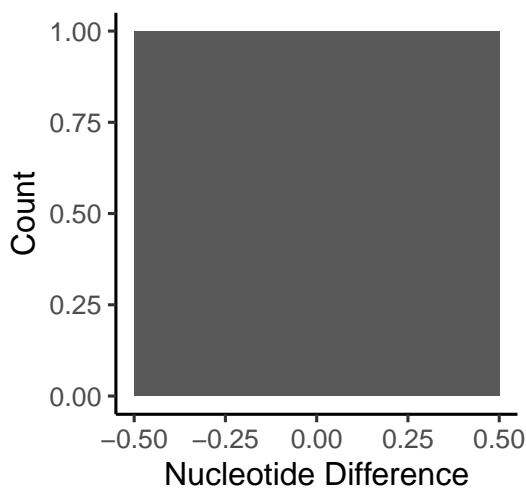
IGHV3-11*01

824 sequences assigned
691 (83.9%) exact matches, in which:
656 unique CDR3
7 unique J



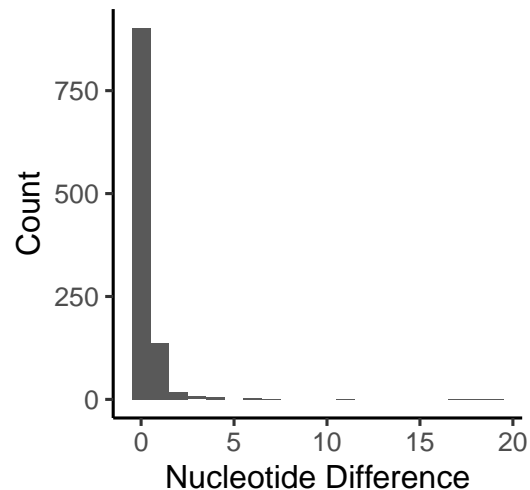
IGHV3-19*01

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



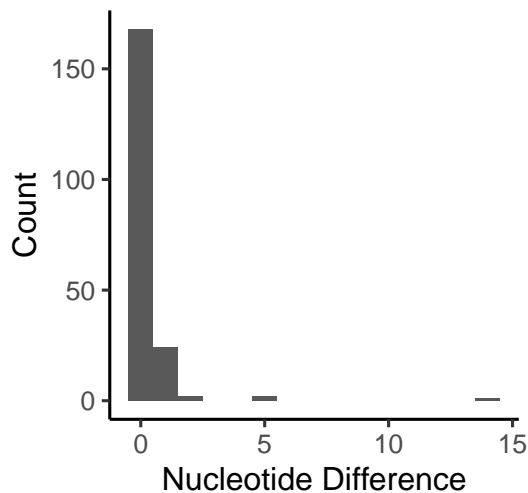
IGHV3-30-3*01

1079 sequences assigned
903 (83.7%) exact matches, in which:
844 unique CDR3
7 unique J



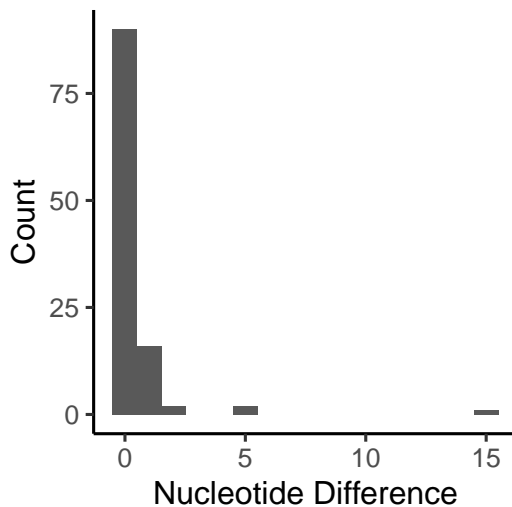
IGHV3-13*01

197 sequences assigned
168 (85.3%) exact matches, in which:
155 unique CDR3
6 unique J



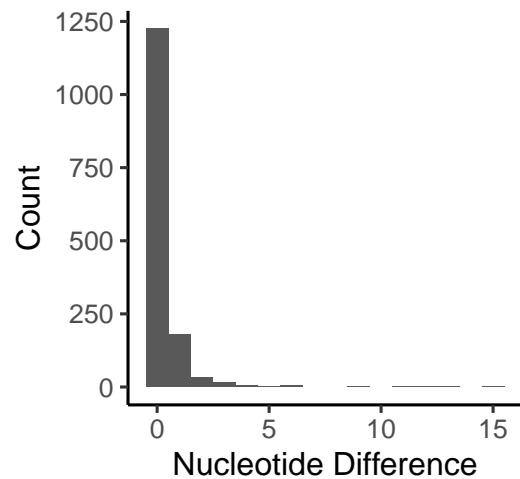
IGHV3-20*01

111 sequences assigned
90 (81.1%) exact matches, in which:
85 unique CDR3
6 unique J



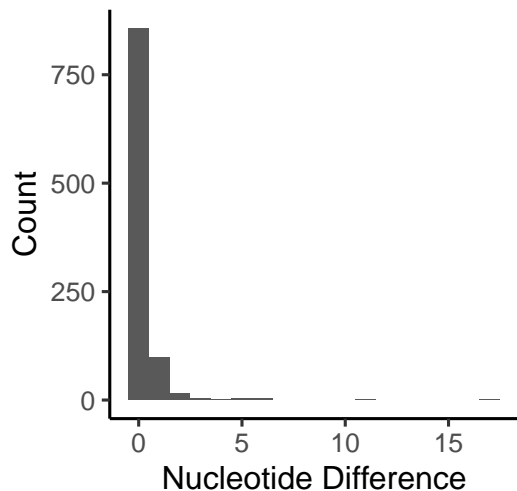
IGHV3-33*01

1474 sequences assigned
1225 (83.1%) exact matches, in which:
1148 unique CDR3
7 unique J



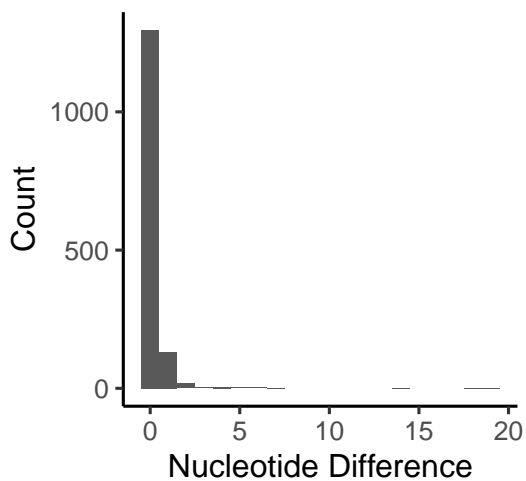
IGHV3-15*01

987 sequences assigned
857 (86.8%) exact matches, in which:
817 unique CDR3
7 unique J



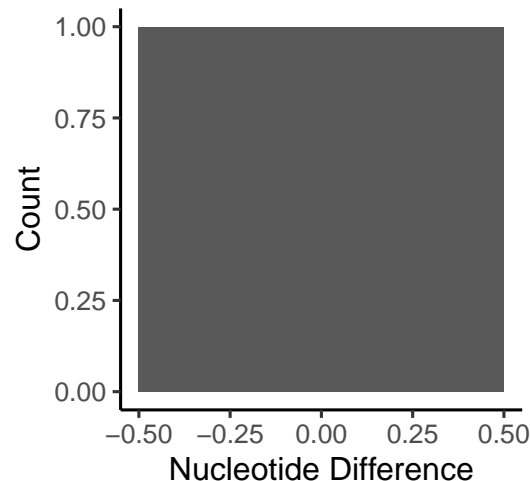
IGHV3-21*01

1464 sequences assigned
1296 (88.5%) exact matches, in which:
1185 unique CDR3
7 unique J



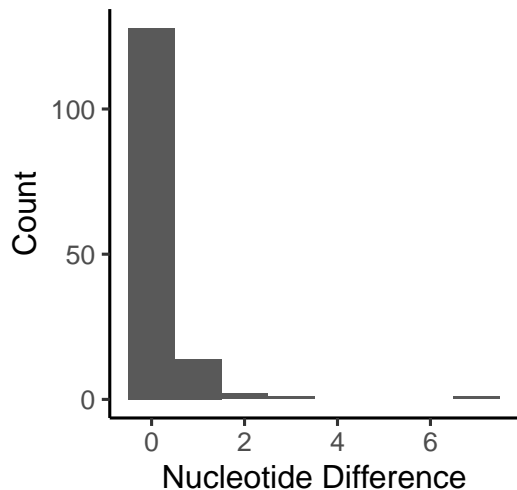
IGHV3-35*01

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



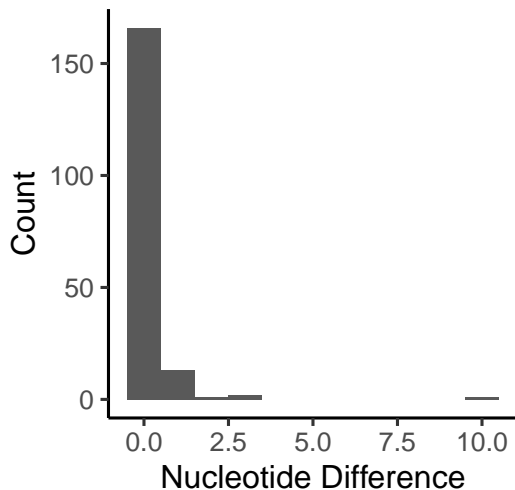
IGHV3-43*01

146 sequences assigned
128 (87.7%) exact matches, in which:
120 unique CDR3
7 unique J



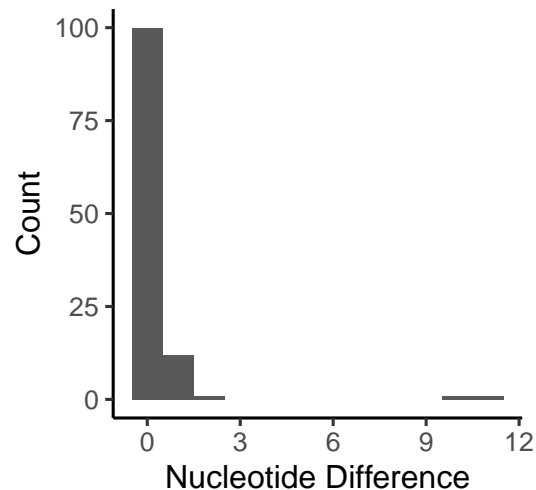
IGHV3-49*03

183 sequences assigned
166 (90.7%) exact matches, in which:
154 unique CDR3
5 unique J



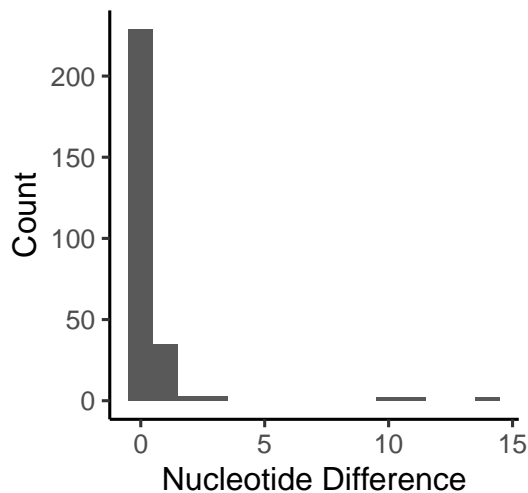
IGHV3-53*02

115 sequences assigned
100 (87%) exact matches, in which:
95 unique CDR3
6 unique J



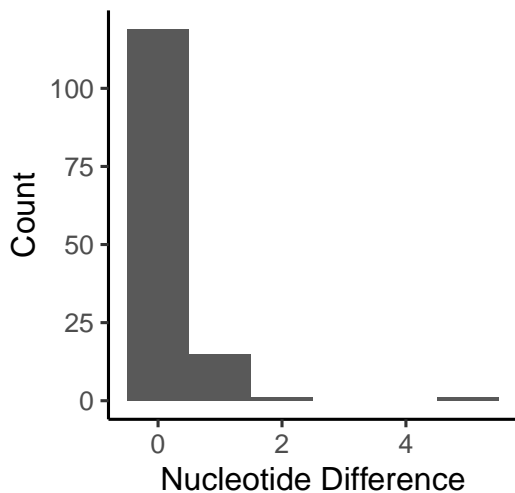
IGHV3-48*01

276 sequences assigned
229 (83%) exact matches, in which:
218 unique CDR3
6 unique J



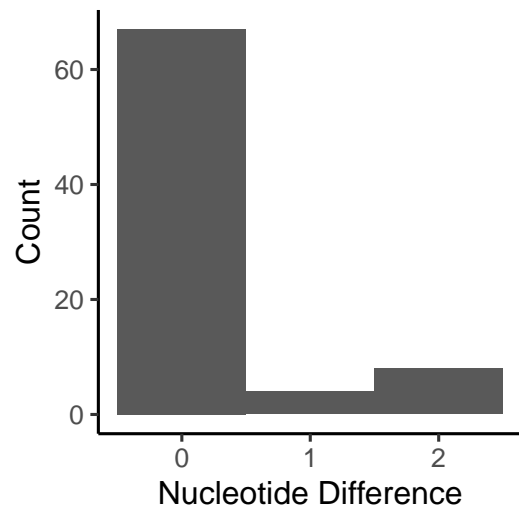
IGHV3-49*05

136 sequences assigned
119 (87.5%) exact matches, in which:
115 unique CDR3
6 unique J



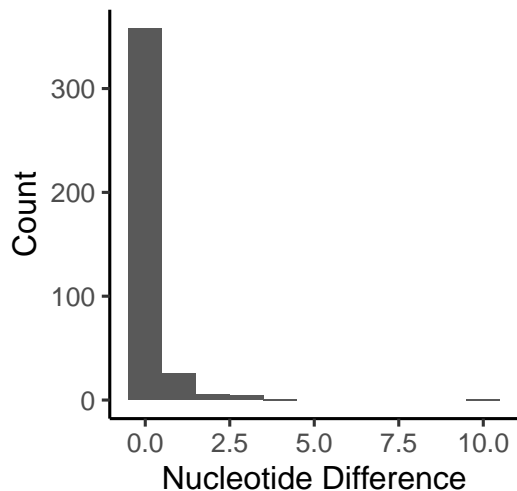
IGHV3-64*01

79 sequences assigned
67 (84.8%) exact matches, in which:
62 unique CDR3
6 unique J



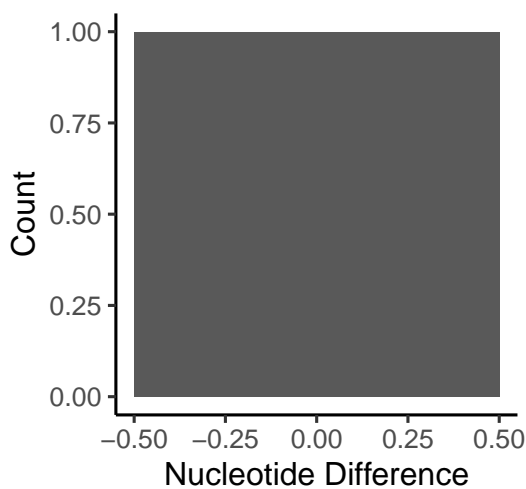
IGHV3-48*02

395 sequences assigned
358 (90.6%) exact matches, in which:
318 unique CDR3
6 unique J



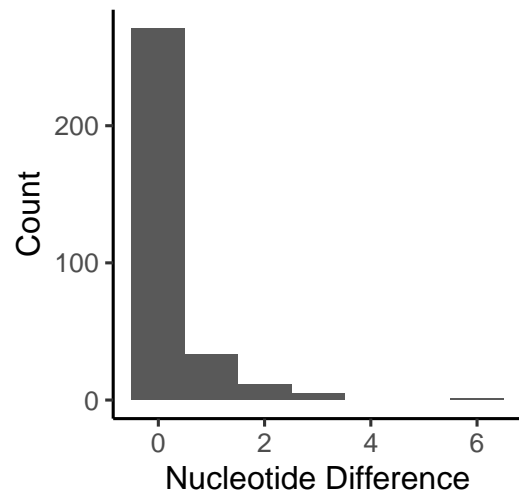
IGHV3-52*01

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



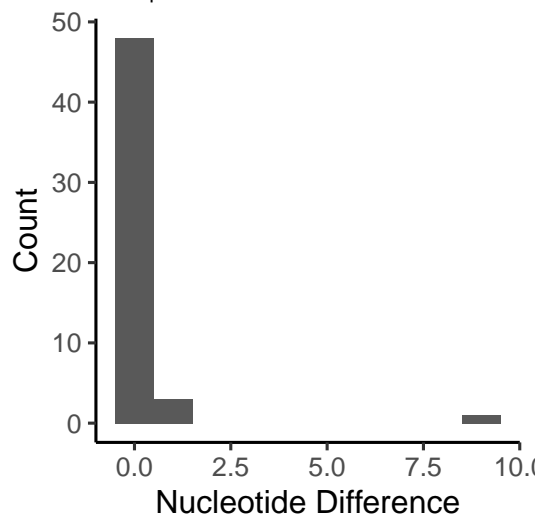
IGHV3-66*01

321 sequences assigned
271 (84.4%) exact matches, in which:
258 unique CDR3
7 unique J



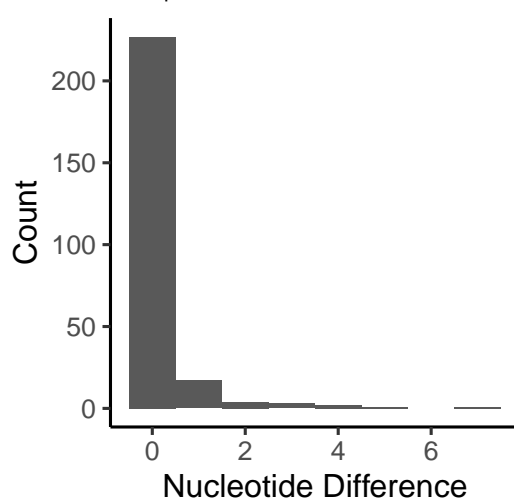
IGHV3-72*01

52 sequences assigned
48 (92.3%) exact matches, in which:
44 unique CDR3
5 unique J



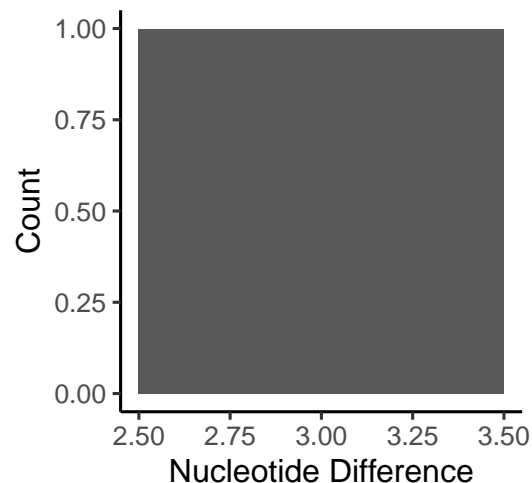
IGHV3-74*01

255 sequences assigned
227 (89%) exact matches, in which:
217 unique CDR3
6 unique J



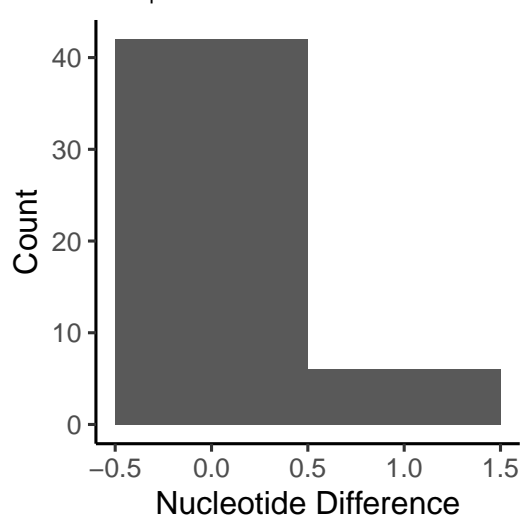
IGHV4-28*03

1 sequences assigned
No exact matches.



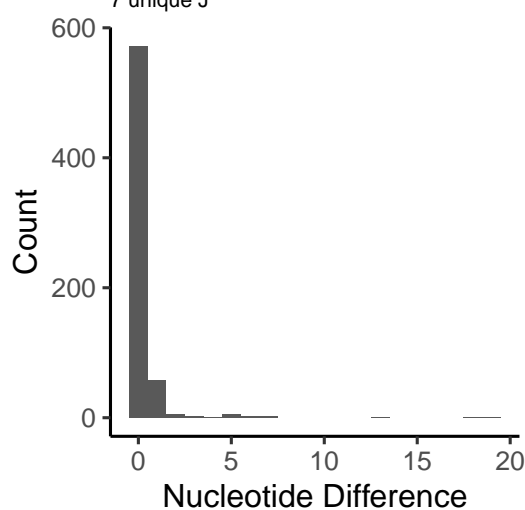
IGHV3-73*01

48 sequences assigned
42 (87.5%) exact matches, in which:
40 unique CDR3
5 unique J



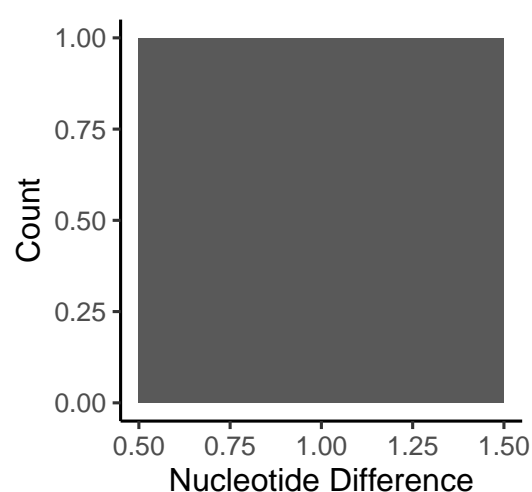
IGHV4-4*07

654 sequences assigned
572 (87.5%) exact matches, in which:
543 unique CDR3
7 unique J



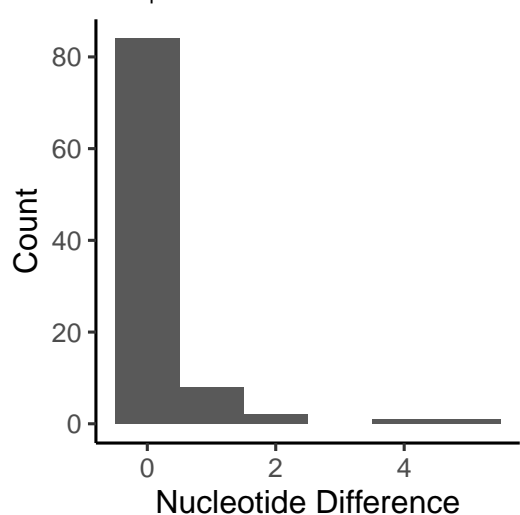
IGHV4-28*04

1 sequences assigned
No exact matches.



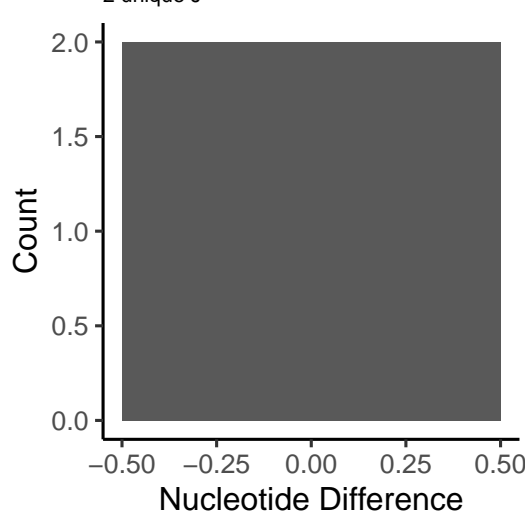
IGHV3-73*02

96 sequences assigned
84 (87.5%) exact matches, in which:
80 unique CDR3
6 unique J



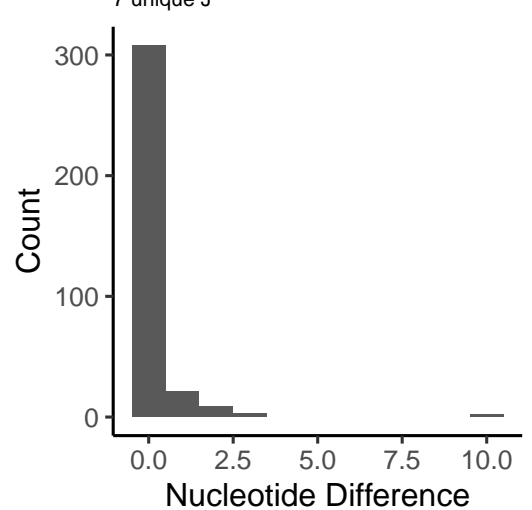
IGHV4-28*01

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



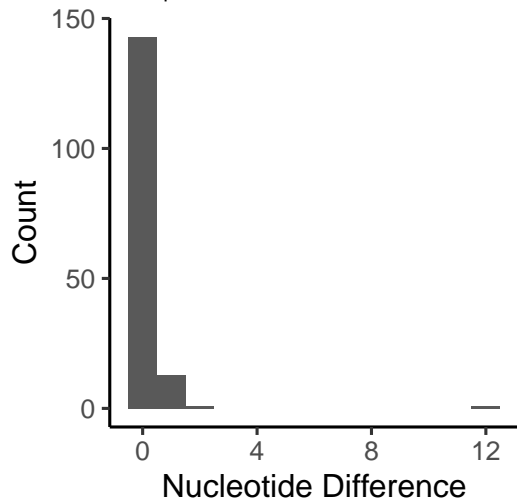
IGHV4-30-4*01

343 sequences assigned
308 (89.8%) exact matches, in which:
299 unique CDR3
7 unique J



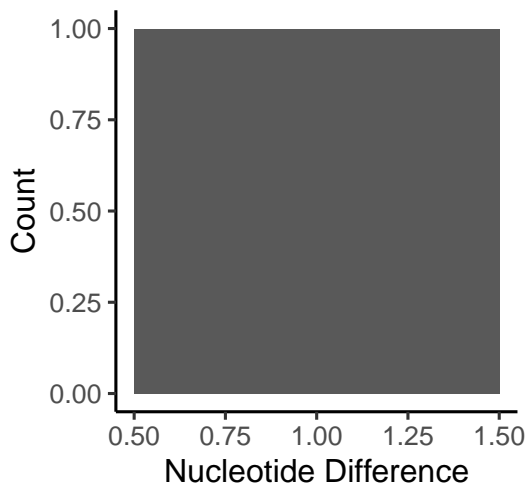
IGHV4-30-2*01

158 sequences assigned
143 (90.5%) exact matches, in which:
134 unique CDR3
6 unique J



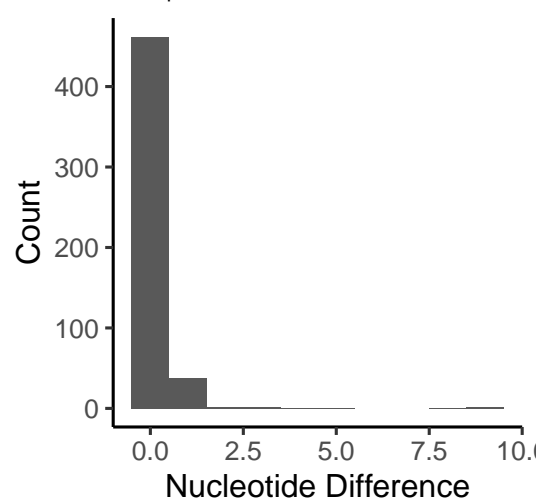
IGHV4-38-2*02

1 sequences assigned
No exact matches.



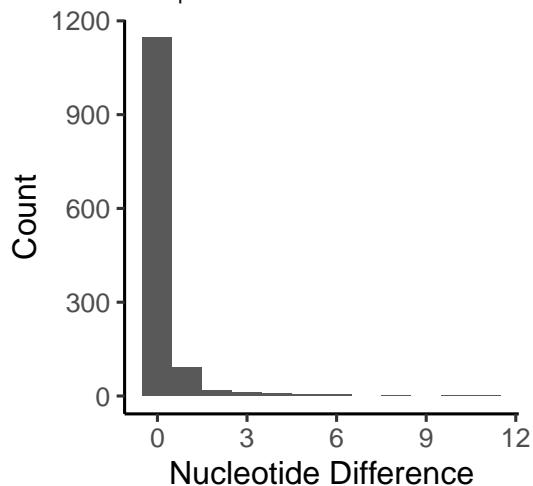
IGHV4-59*08

509 sequences assigned
462 (90.8%) exact matches, in which:
444 unique CDR3
7 unique J



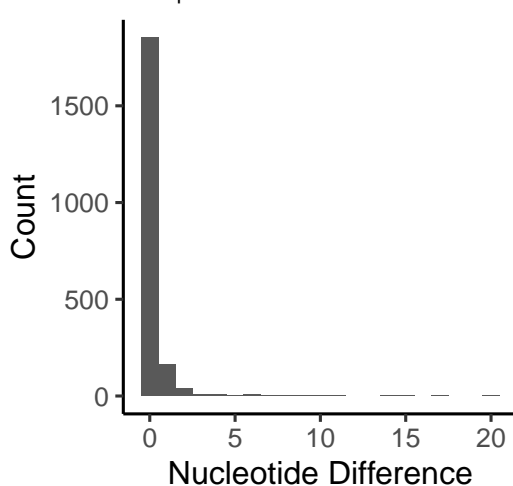
IGHV4-31*03

1287 sequences assigned
1146 (89%) exact matches, in which:
1085 unique CDR3
7 unique J



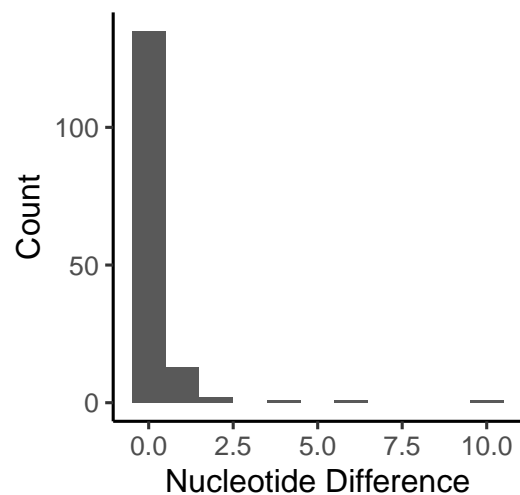
IGHV4-39*01

2101 sequences assigned
1852 (88.1%) exact matches, in which:
1723 unique CDR3
7 unique J



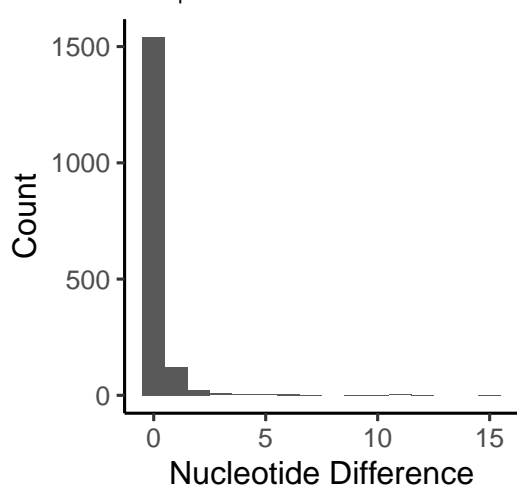
IGHV4-61*01

153 sequences assigned
135 (88.2%) exact matches, in which:
131 unique CDR3
6 unique J



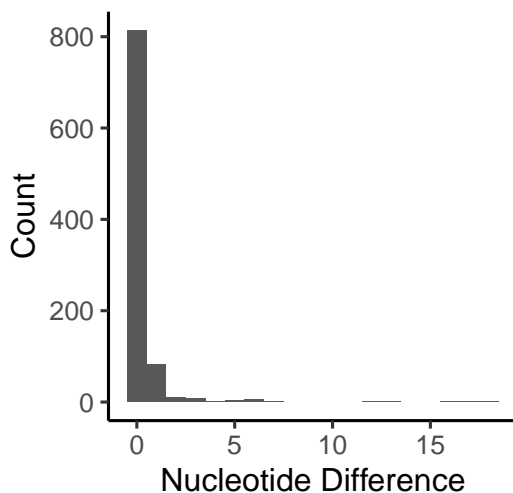
IGHV4-34*01

1719 sequences assigned
1541 (89.6%) exact matches, in which:
1427 unique CDR3
7 unique J



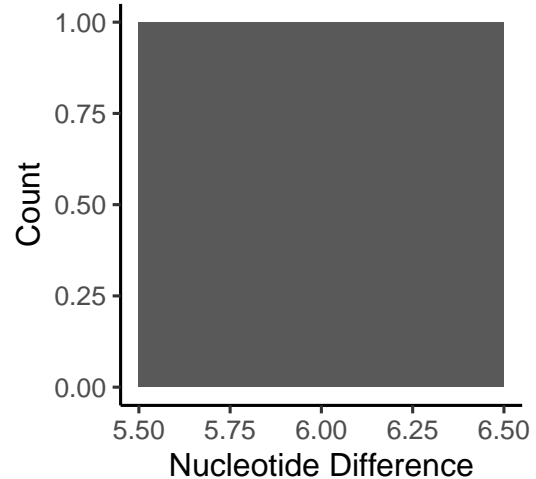
IGHV4-59*01

930 sequences assigned
814 (87.5%) exact matches, in which:
782 unique CDR3
7 unique J



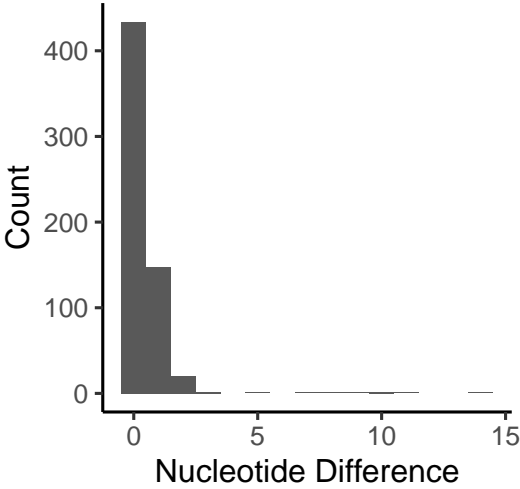
IGHV1/OR15-2*01

1 sequences assigned
No exact matches.



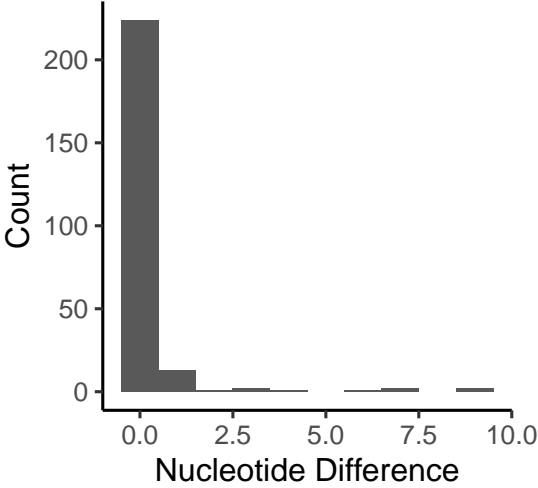
IGHV5–51*01

612 sequences assigned
434 (70.9%) exact matches, in which:
405 unique CDR3
7 unique J



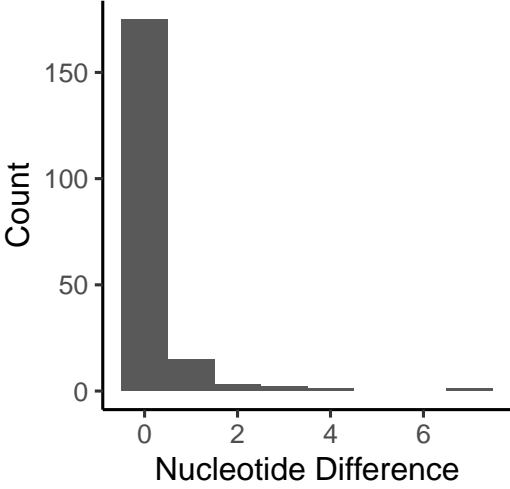
IGHV5–51*03

247 sequences assigned
224 (90.7%) exact matches, in which:
211 unique CDR3
6 unique J

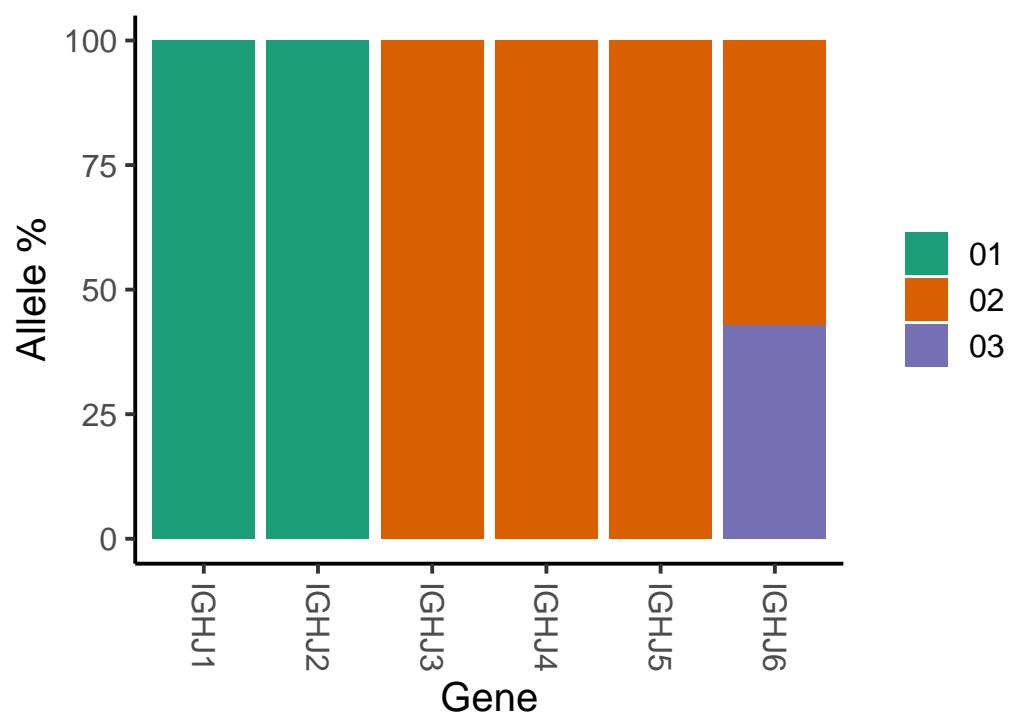


IGHV6–1*01

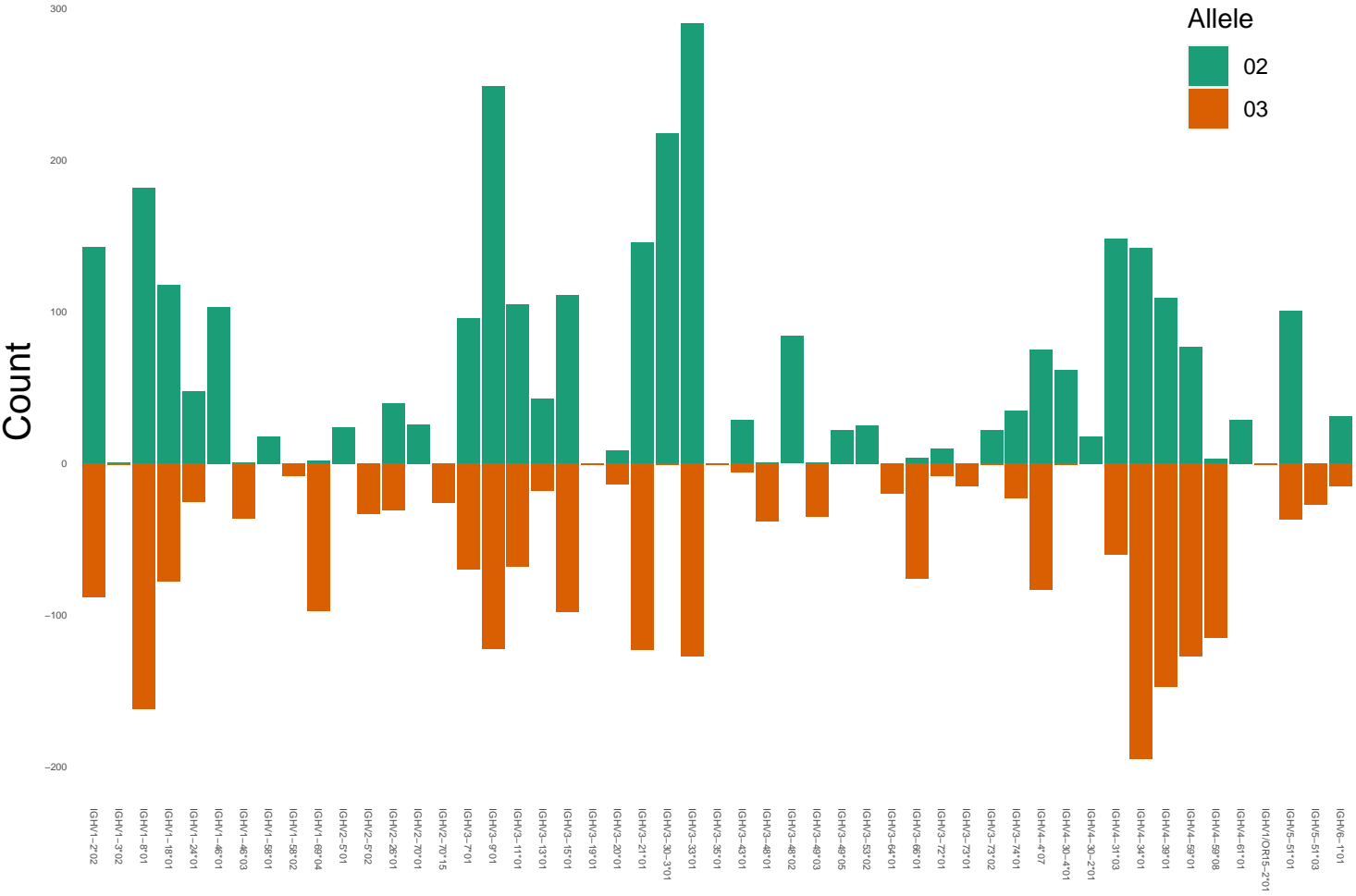
197 sequences assigned
175 (88.8%) exact matches, in which:
164 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.