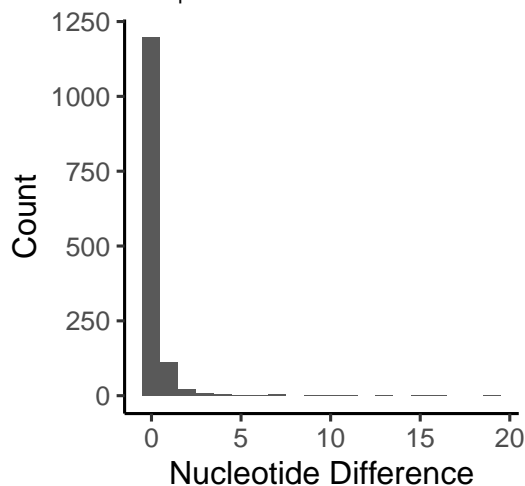


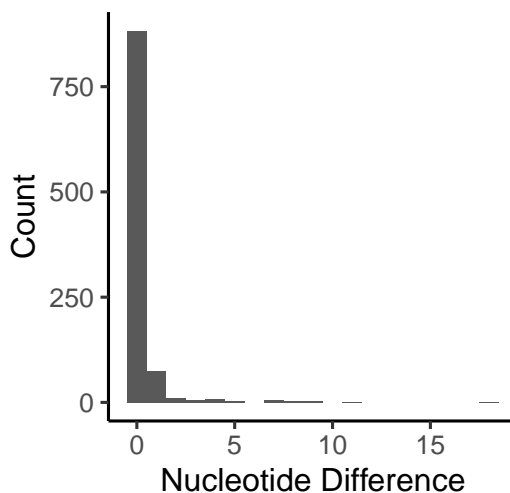
IGHV1-2*02

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



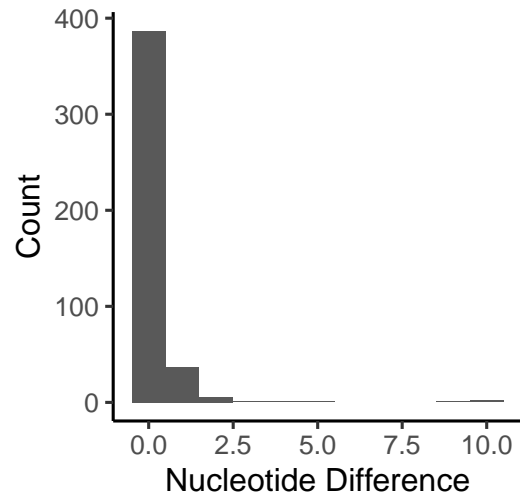
IGHV1-18*01

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



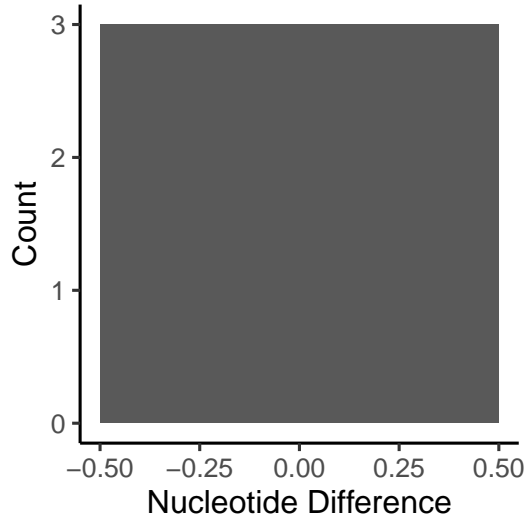
IGHV1-46*01

437 sequences assigned
387 (88.6%) exact matches, in which:
376 unique CDR3
6 unique J



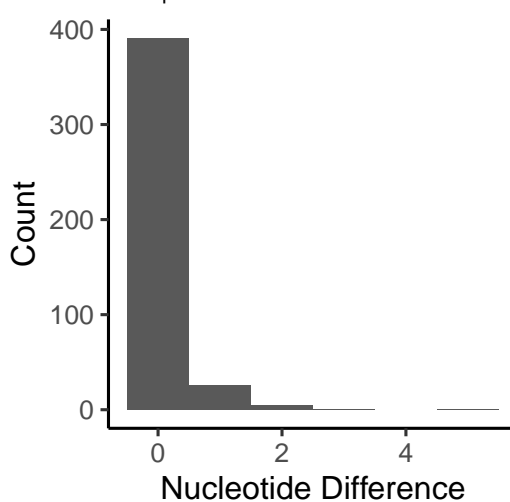
IGHV1-3*02

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



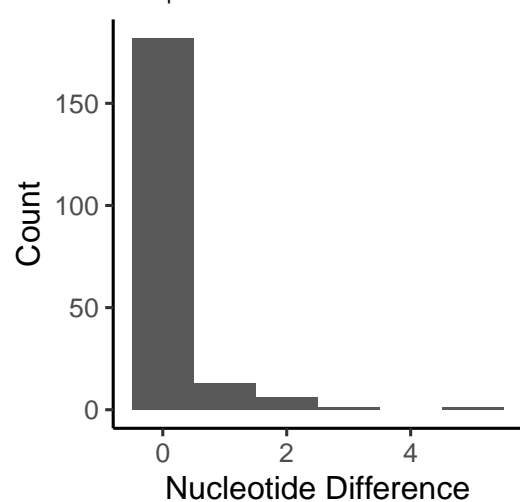
IGHV1-24*01

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



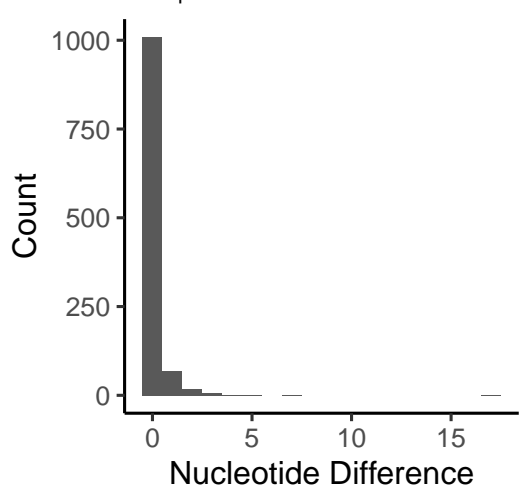
IGHV1-46*03

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



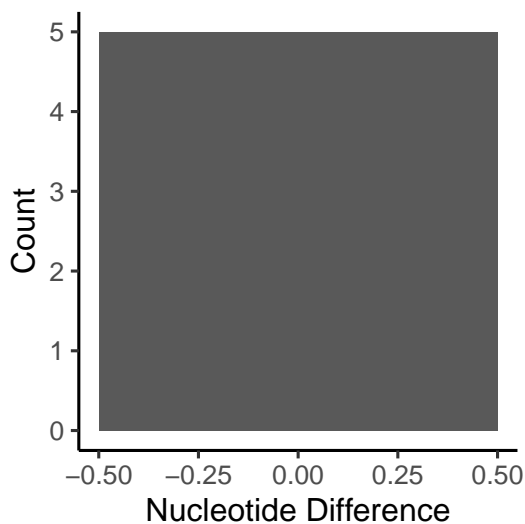
IGHV1-8*01

1105 sequences assigned
1009 (91.3%) exact matches, in which:
949 unique CDR3
7 unique J



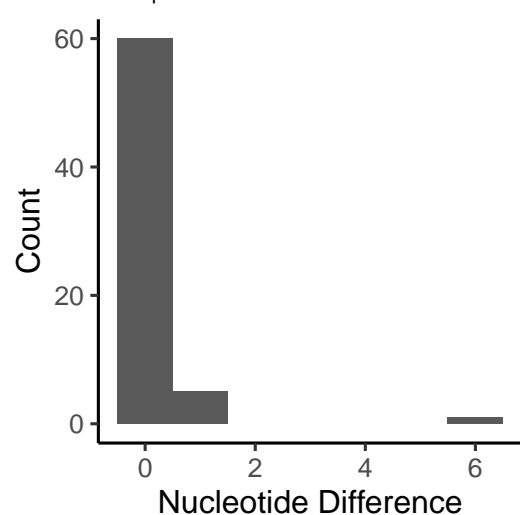
IGHV1-45*02

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



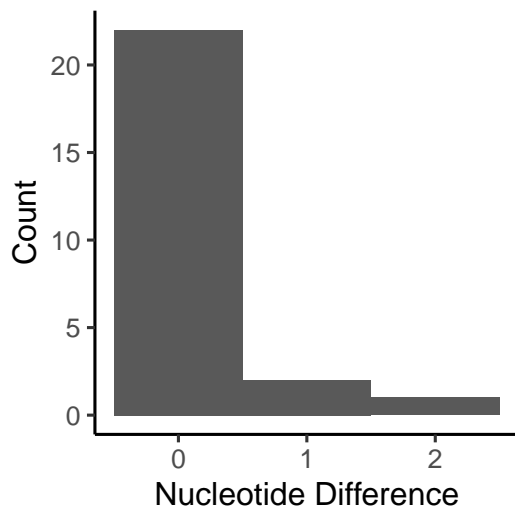
IGHV1-58*01

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



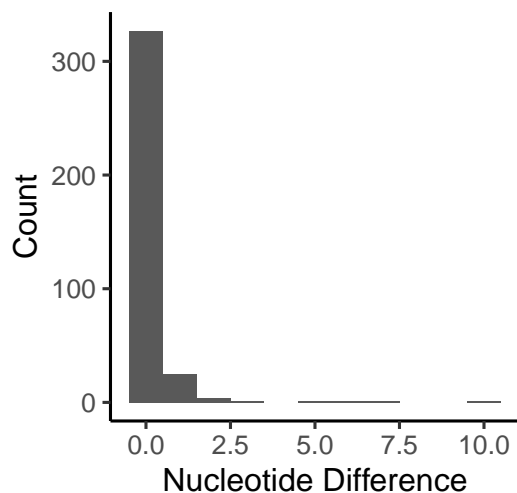
IGHV1-58*02

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



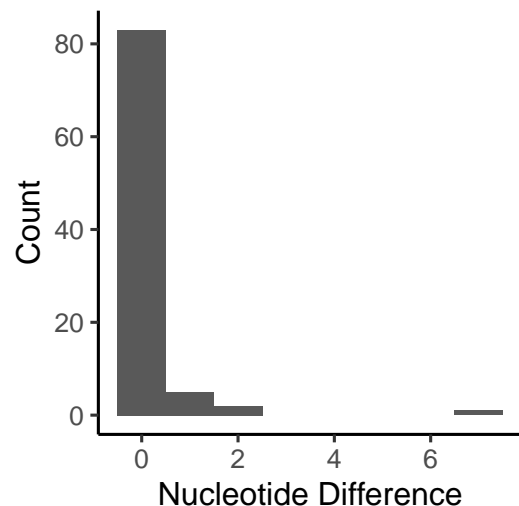
IGHV2-5*02

361 sequences assigned
327 (90.6%) exact matches, in which:
316 unique CDR3
6 unique J



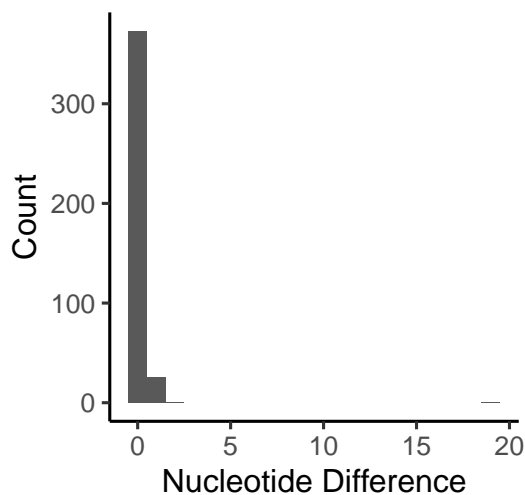
IGHV2-70*15

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



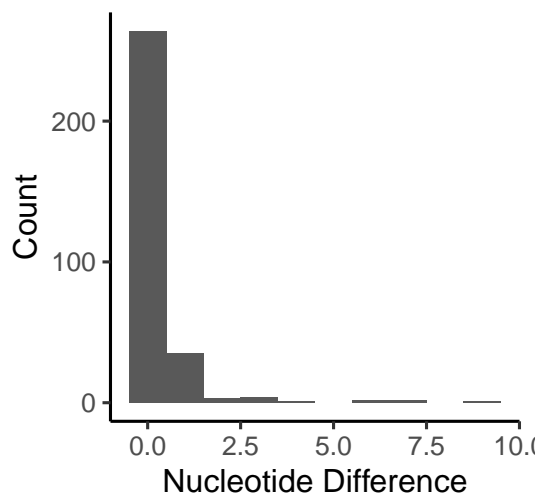
IGHV1-69*04

401 sequences assigned
373 (93%) exact matches, in which:
353 unique CDR3
7 unique J



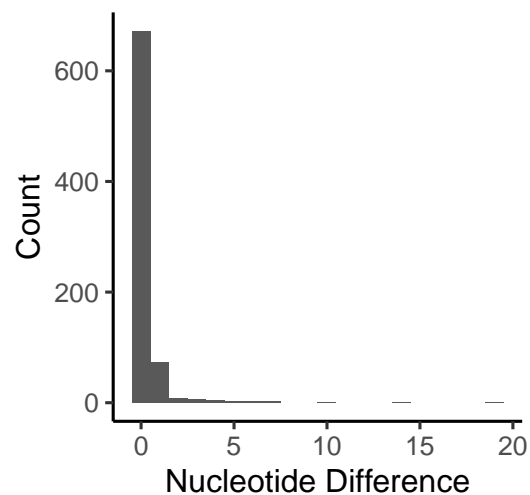
IGHV2-26*01

312 sequences assigned
264 (84.6%) exact matches, in which:
258 unique CDR3
6 unique J



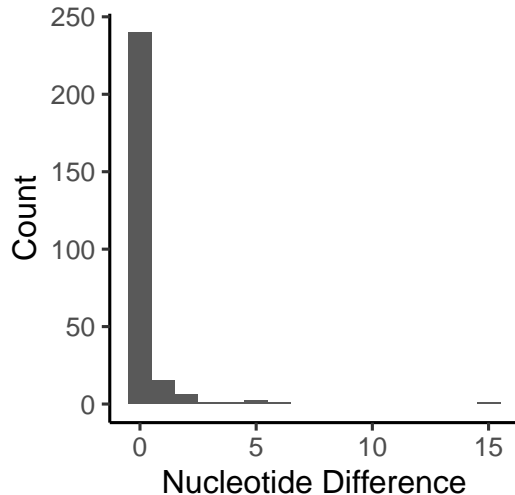
IGHV3-7*01

777 sequences assigned
672 (86.5%) exact matches, in which:
636 unique CDR3
7 unique J



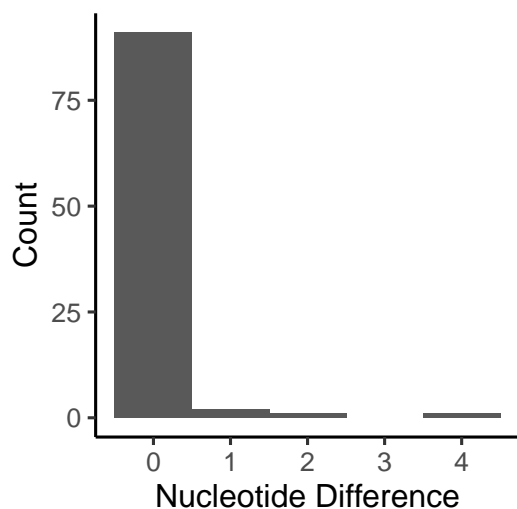
IGHV2-5*01

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



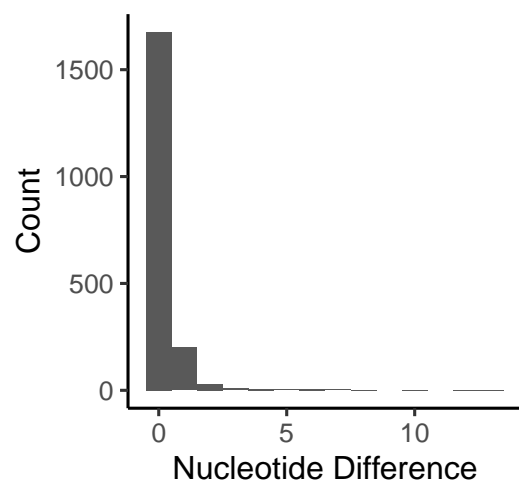
IGHV2-70*01

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



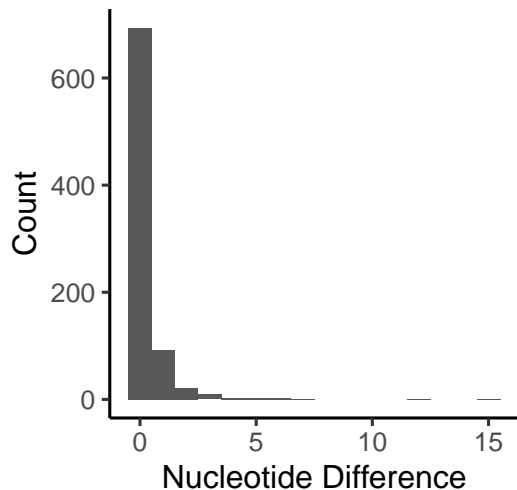
IGHV3-9*01

1934 sequences assigned
1676 (86.7%) exact matches, in which:
1541 unique CDR3
7 unique J



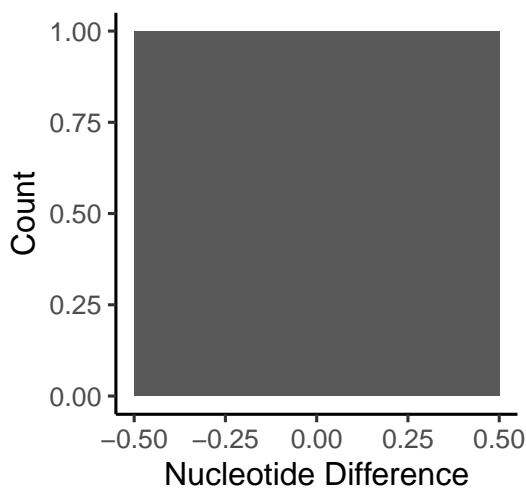
IGHV3–11*01

827 sequences assigned
694 (83.9%) exact matches, in which:
659 unique CDR3
7 unique J



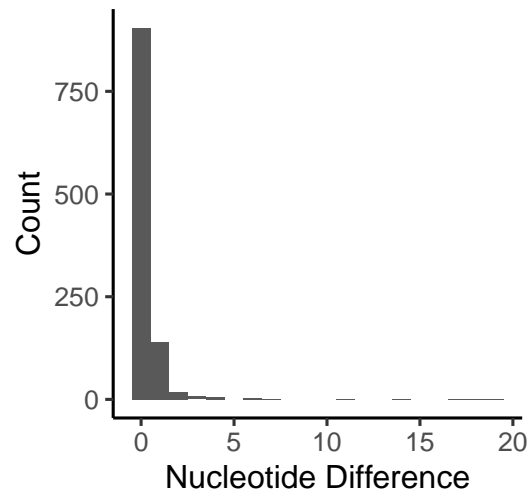
IGHV3–19*01

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



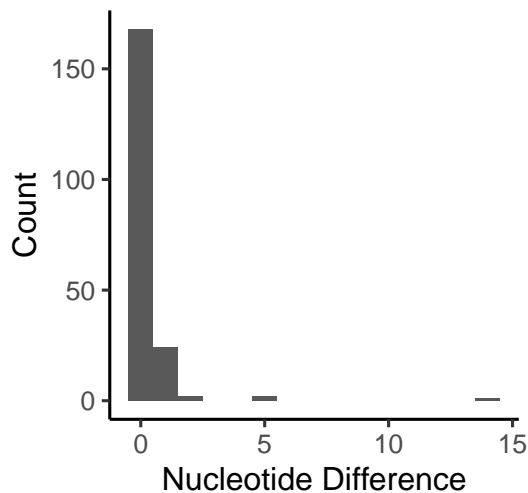
IGHV3–30–3*01

1084 sequences assigned
905 (83.5%) exact matches, in which:
846 unique CDR3
7 unique J



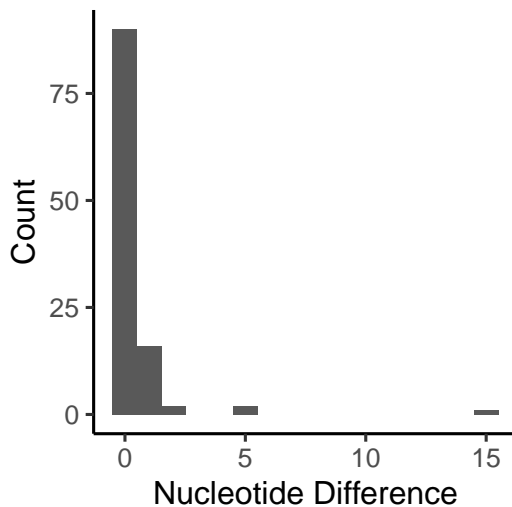
IGHV3–13*01

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



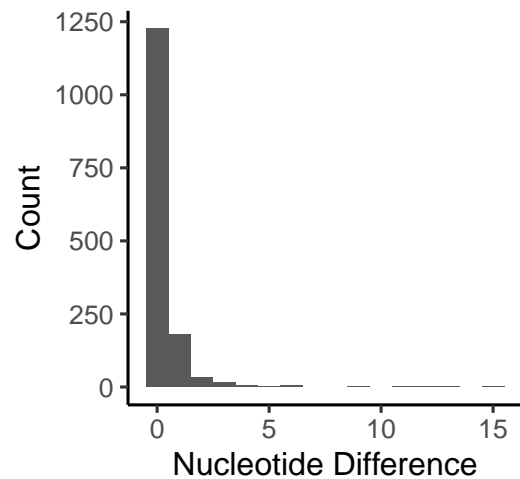
IGHV3–20*01

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



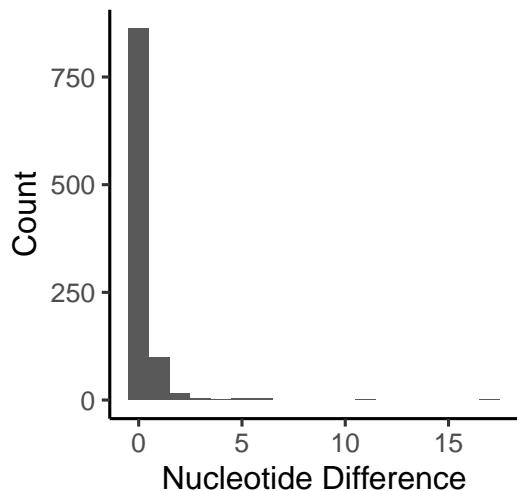
IGHV3–33*01

1475 sequences assigned
1226 (83.1%) exact matches, in which:
1149 unique CDR3
7 unique J



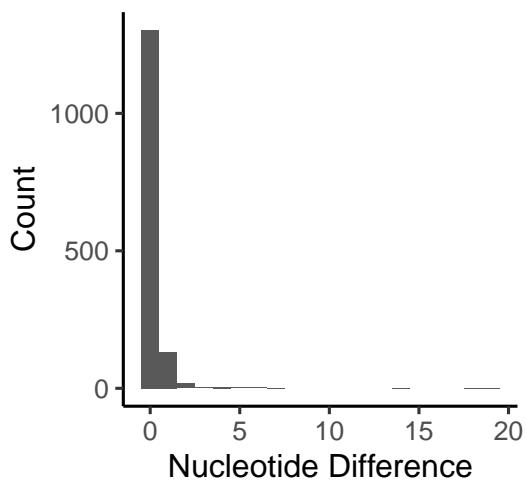
IGHV3–15*01

994 sequences assigned
863 (86.8%) exact matches, in which:
823 unique CDR3
7 unique J



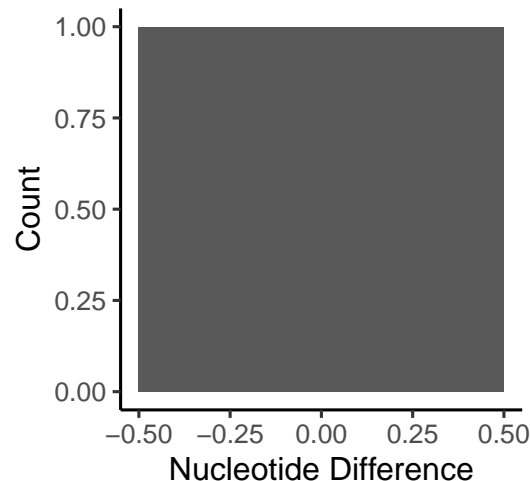
IGHV3–21*01

1471 sequences assigned
1303 (88.6%) exact matches, in which:
1192 unique CDR3
7 unique J



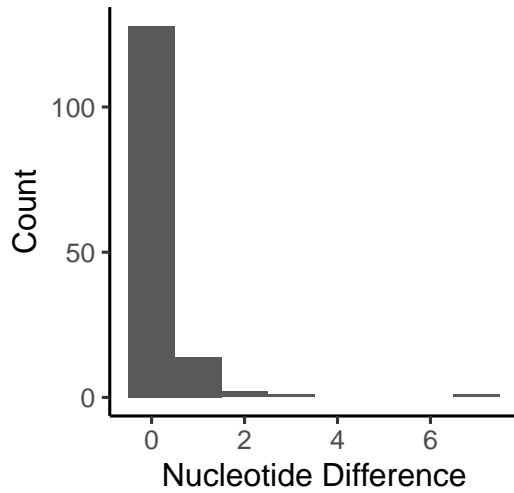
IGHV3–35*01

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



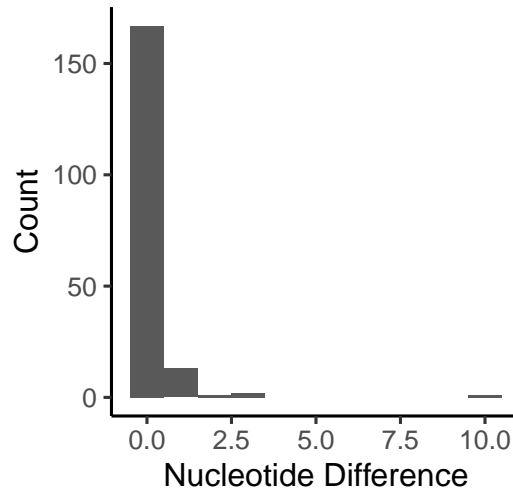
IGHV3-43*01

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



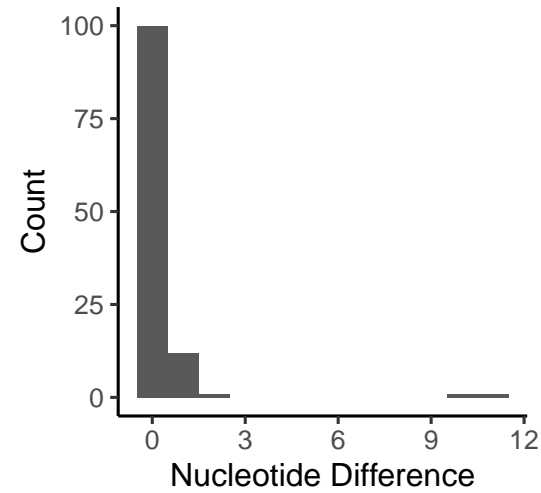
IGHV3-49*03

184 sequences assigned
167 (90.8%) exact matches, in which:
155 unique CDR3
5 unique J



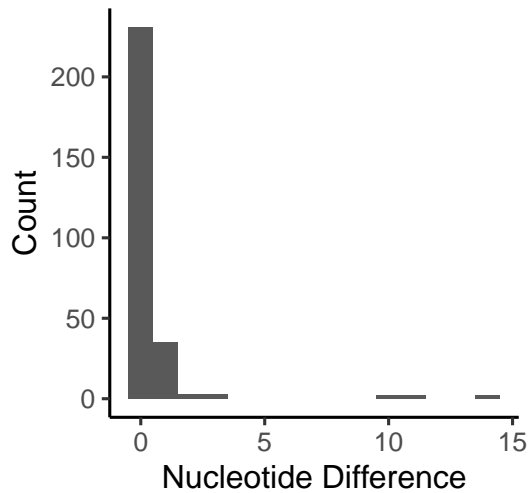
IGHV3-53*02

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



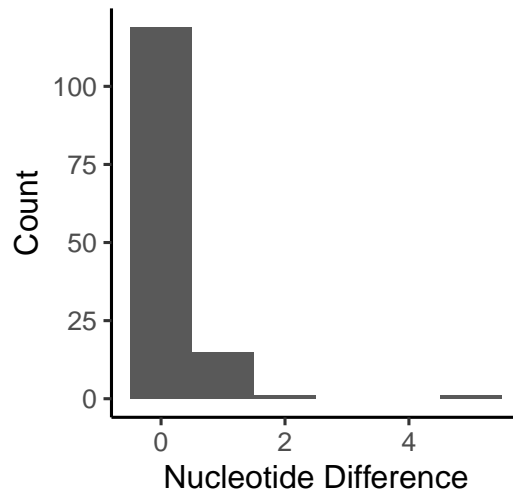
IGHV3-48*01

278 sequences assigned
231 (83.1%) exact matches, in which:
220 unique CDR3
6 unique J



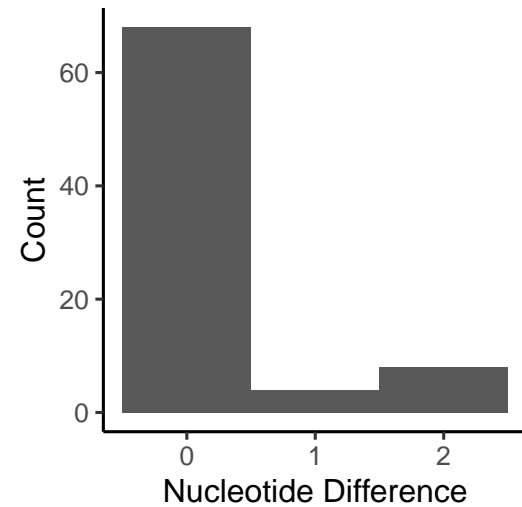
IGHV3-49*05

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



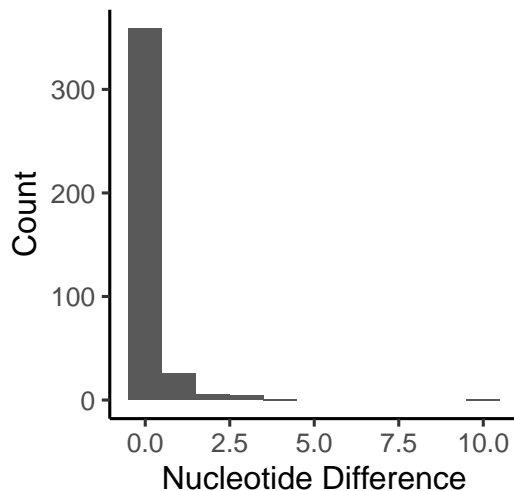
IGHV3-64*01

80 sequences assigned
68 (85%) exact matches, in which:
63 unique CDR3
6 unique J



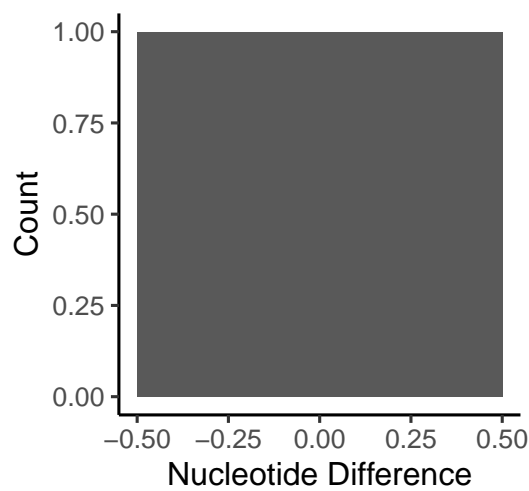
IGHV3-48*02

396 sequences assigned
359 (90.7%) exact matches, in which:
319 unique CDR3
6 unique J



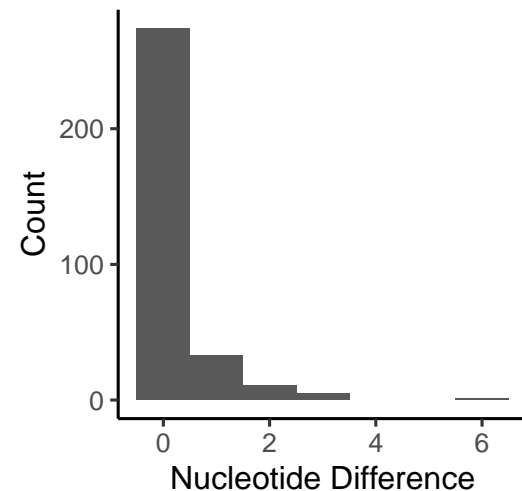
IGHV3-52*01

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



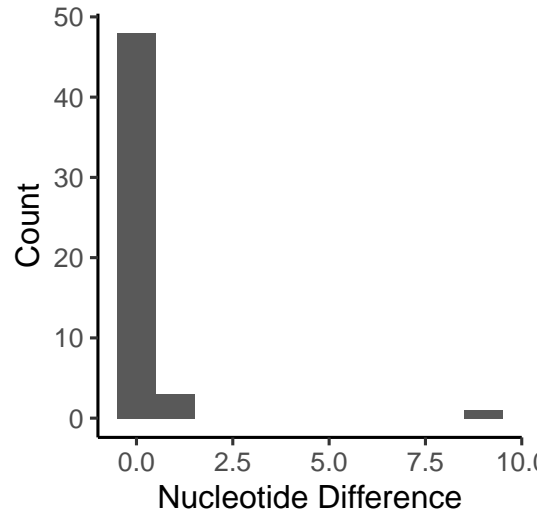
IGHV3-66*01

324 sequences assigned
274 (84.6%) exact matches, in which:
261 unique CDR3
7 unique J



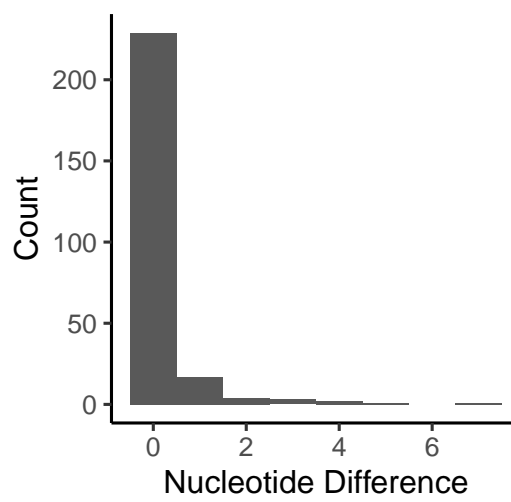
IGHV3-72*01

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



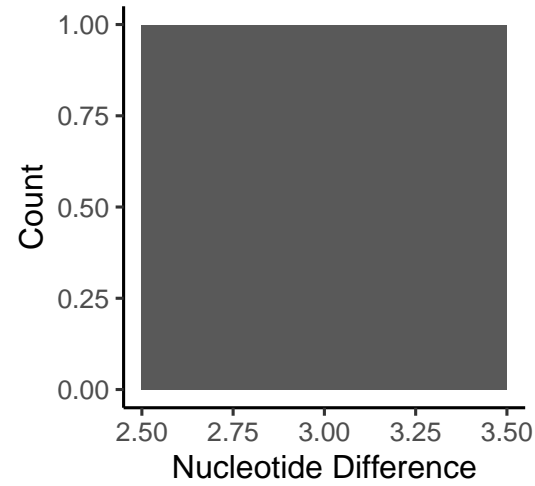
IGHV3-74*01

257 sequences assigned
229 (89.1%) exact matches, in which:
219 unique CDR3
6 unique J



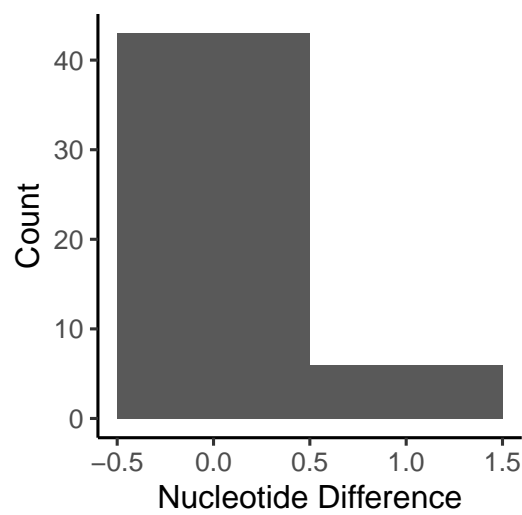
IGHV4-28*03

1 sequences assigned
No exact matches.



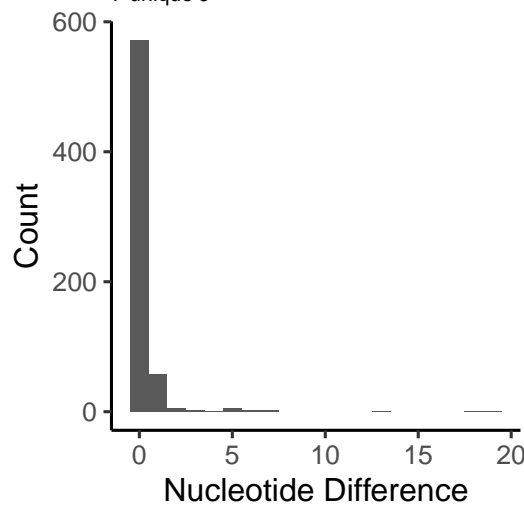
IGHV3-73*01

49 sequences assigned
43 (87.8%) exact matches, in which:
41 unique CDR3
5 unique J



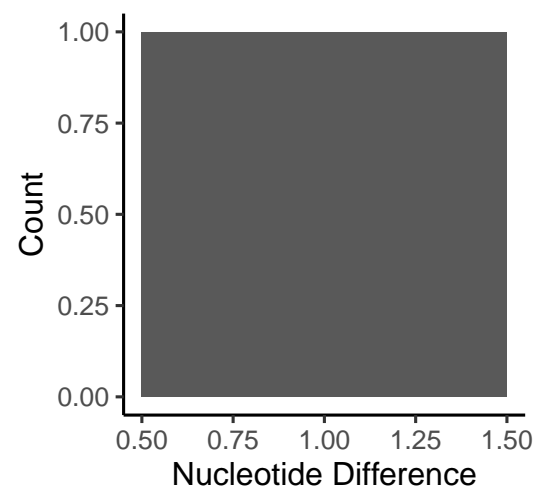
IGHV4-4*07

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



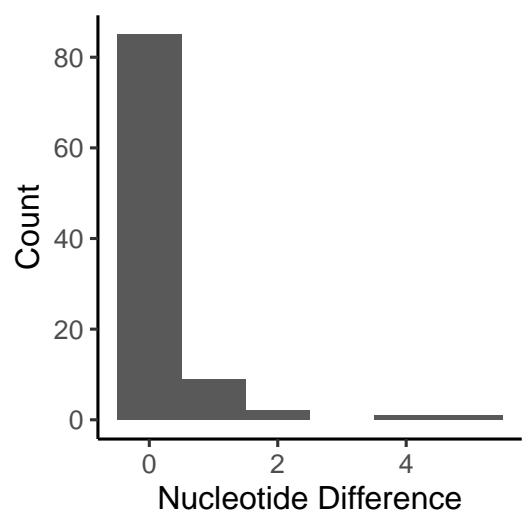
IGHV4-28*04

1 sequences assigned
No exact matches.



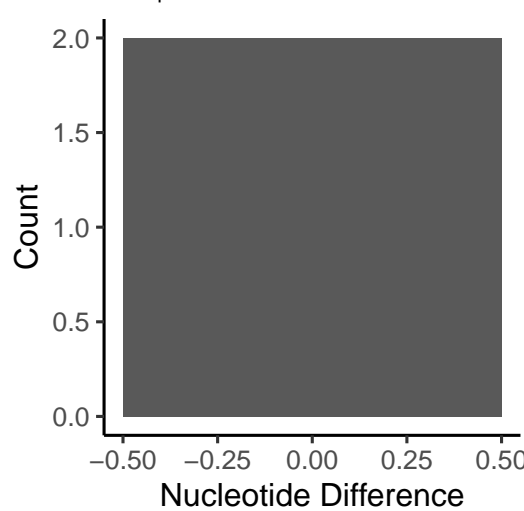
IGHV3-73*02

98 sequences assigned
85 (86.7%) exact matches, in which:
81 unique CDR3
6 unique J



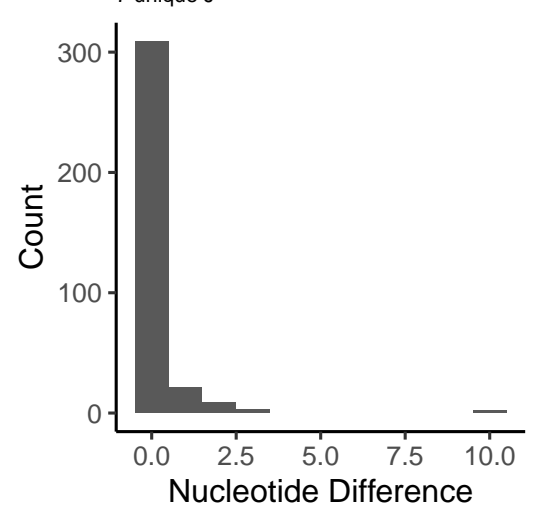
IGHV4-28*01

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



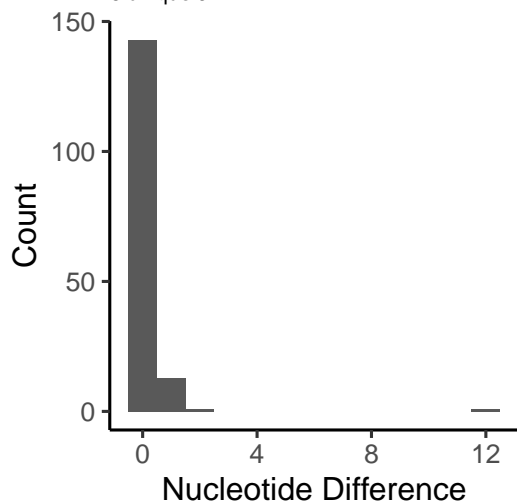
IGHV4-30-4*01

344 sequences assigned
309 (89.8%) exact matches, in which:
300 unique CDR3
7 unique J



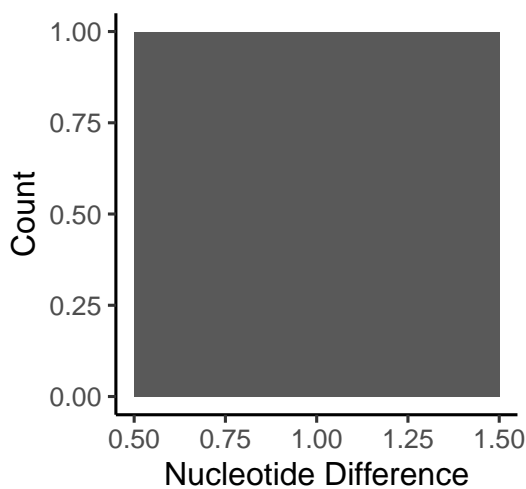
IGHV4-30-2*01

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



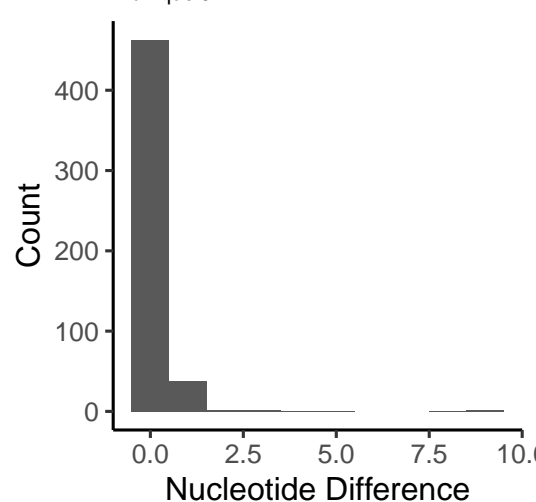
IGHV4-38-2*02

1 sequences assigned
No exact matches.



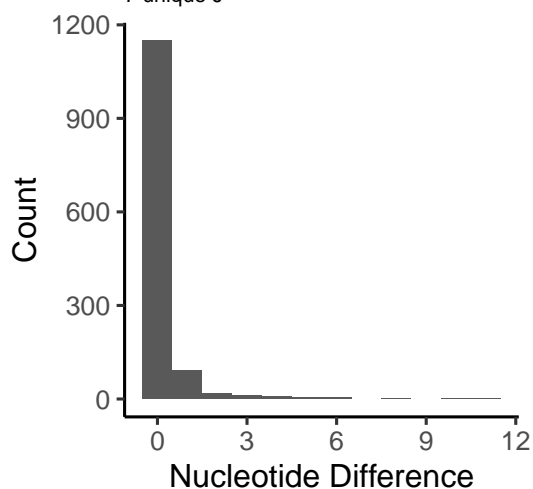
IGHV4-59*08

510 sequences assigned
463 (90.8%) exact matches, in which:
445 unique CDR3
7 unique J



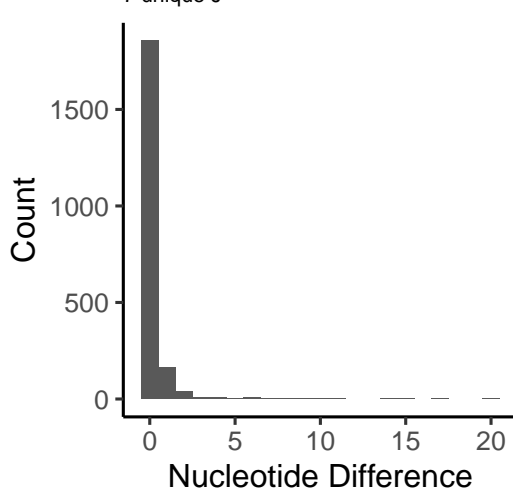
IGHV4-31*03

1290 sequences assigned
1149 (89.1%) exact matches, in which:
1088 unique CDR3
7 unique J



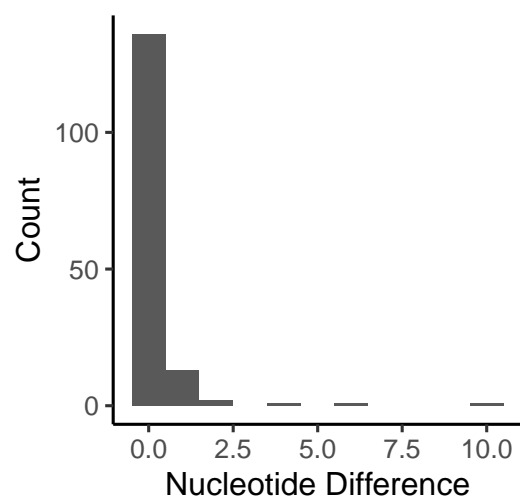
IGHV4-39*01

2106 sequences assigned
1856 (88.1%) exact matches, in which:
1726 unique CDR3
7 unique J



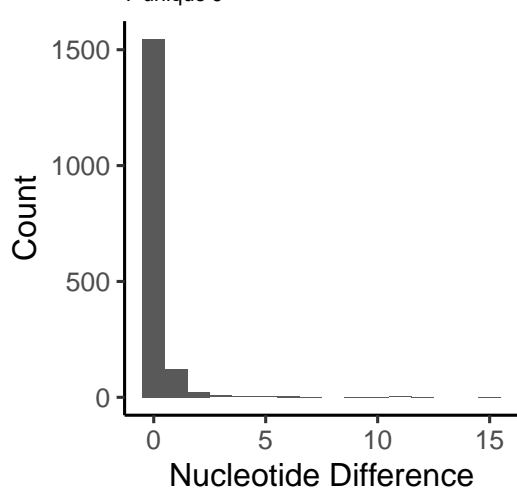
IGHV4-61*01

154 sequences assigned
136 (88.3%) exact matches, in which:
132 unique CDR3
6 unique J



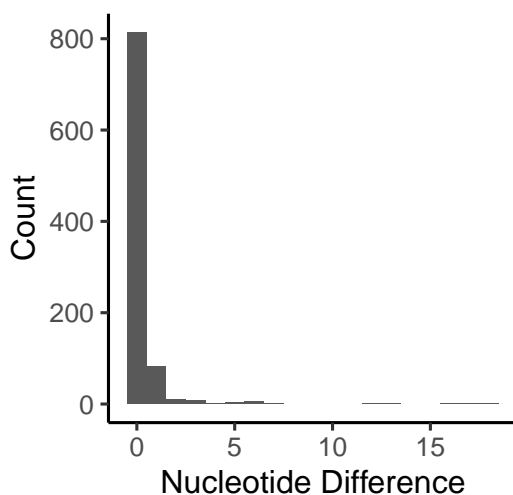
IGHV4-34*01

1724 sequences assigned
1546 (89.7%) exact matches, in which:
1432 unique CDR3
7 unique J



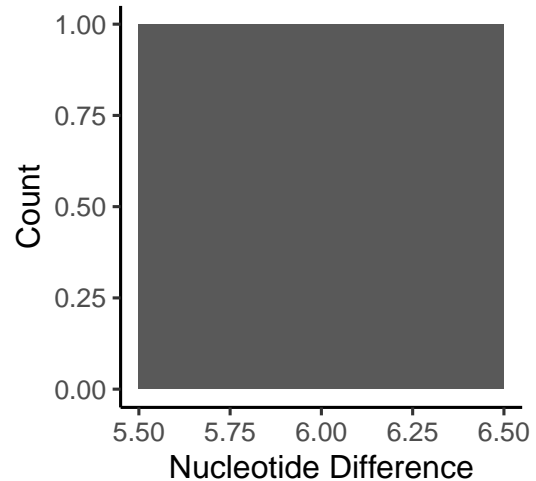
IGHV4-59*01

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



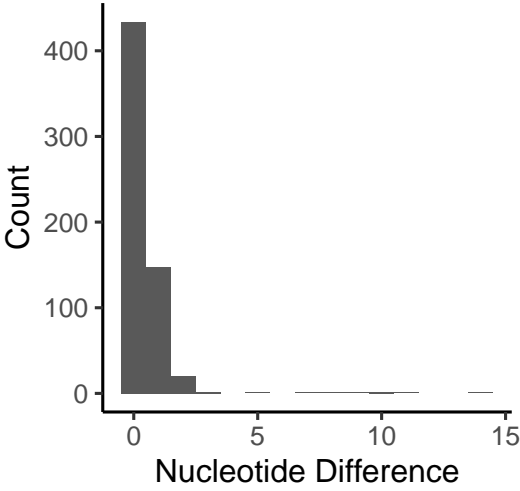
IGHV1/OR15-2*01

1 sequences assigned
No exact matches.



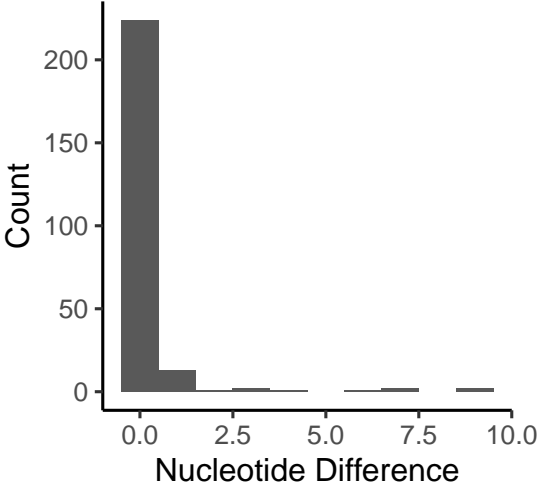
IGHV5-51*01

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



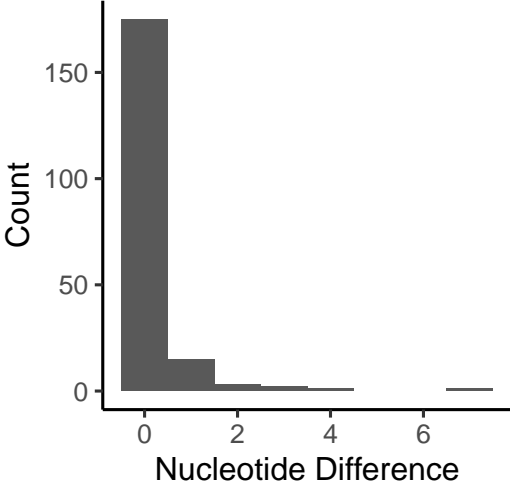
IGHV5-51*03

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

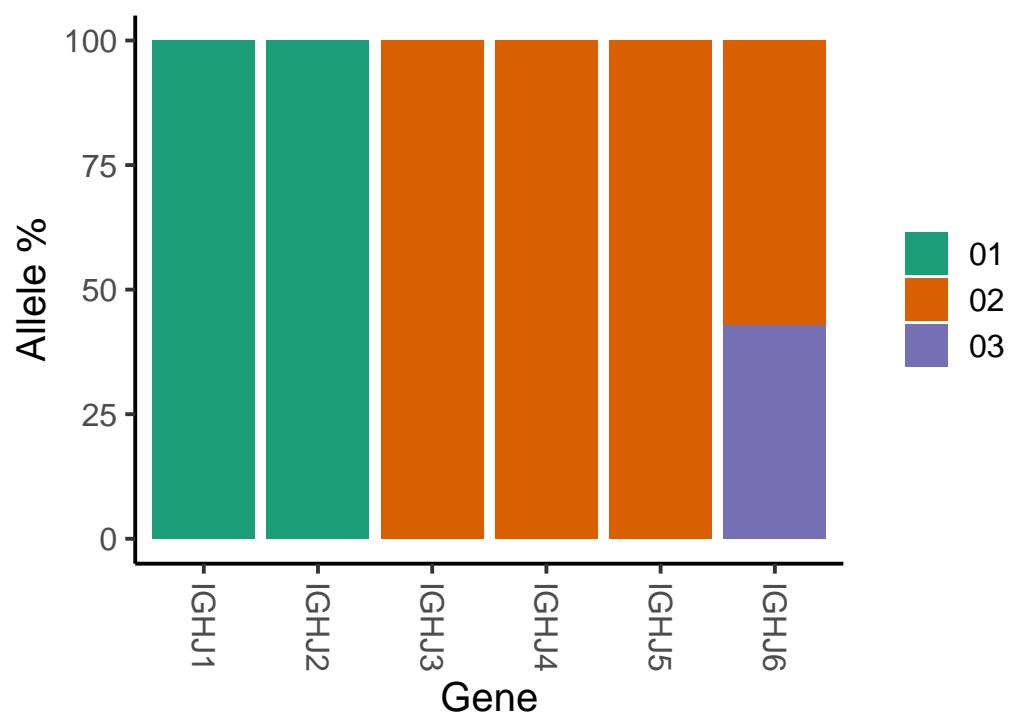


IGHV6-1*01

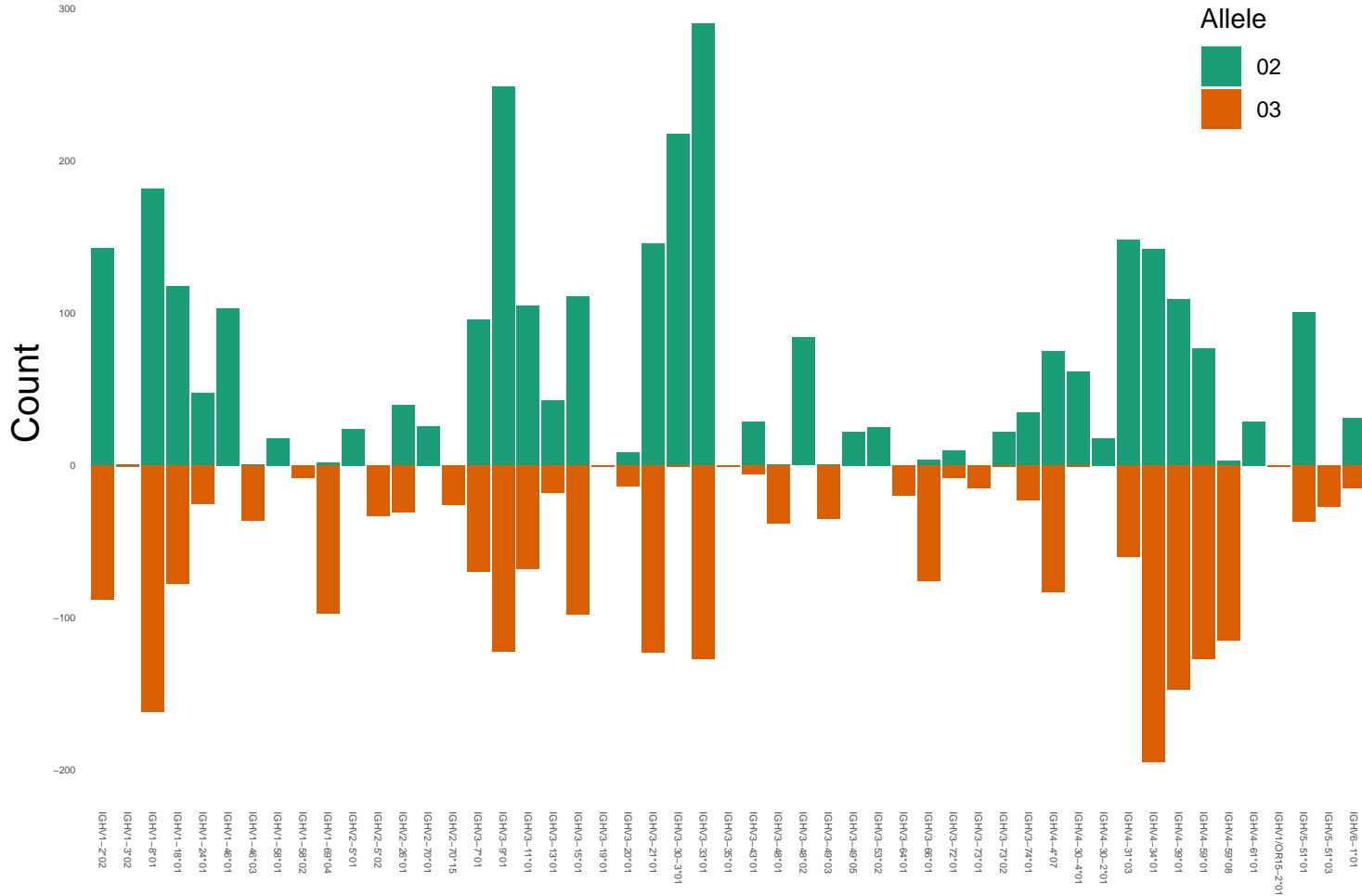
197 sequences assigned
175 (88.8%) exact matches, in which:
164 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.