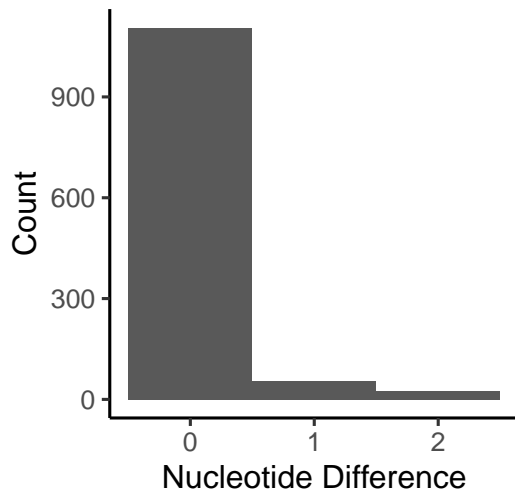


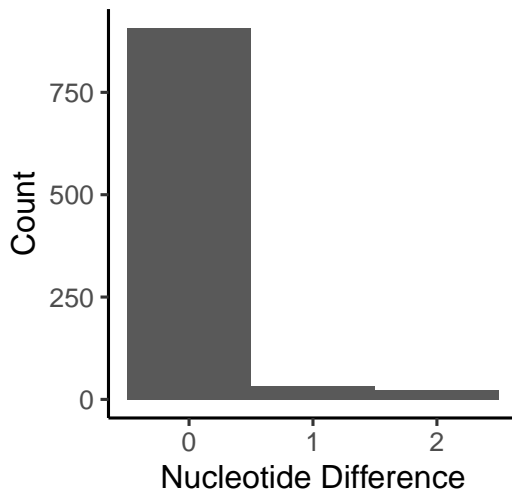
IGHV1-2*02

1184 sequences assigned
1106 (93.4%) exact matches, in which:
1103 unique CDR3
7 unique J



IGHV1-18*01

964 sequences assigned
908 (94.2%) exact matches, in which:
904 unique CDR3
7 unique J



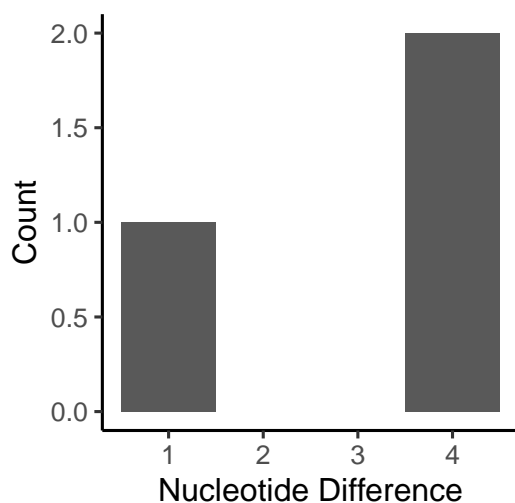
IGHV1-45*03

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



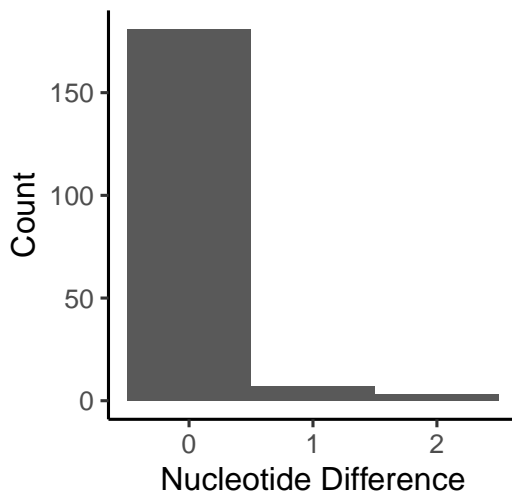
IGHV1-3*02

3 sequences assigned
No exact matches.



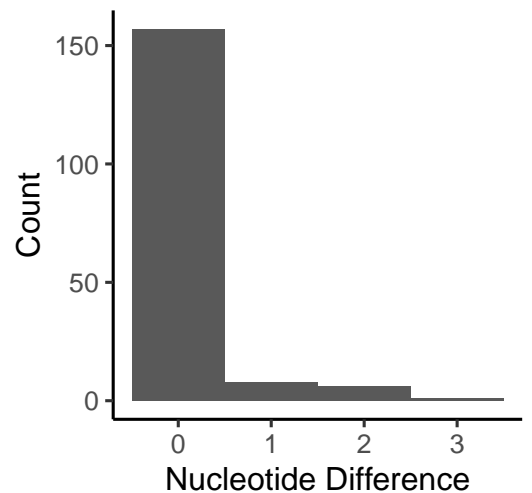
IGHV1-24*01

191 sequences assigned
181 (94.8%) exact matches, in which:
181 unique CDR3
7 unique J



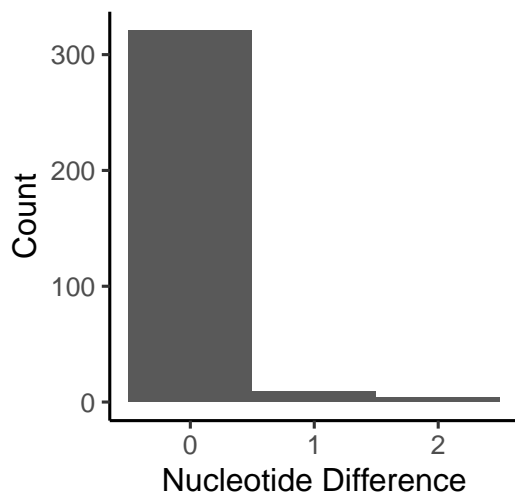
IGHV1-46*01

172 sequences assigned
157 (91.3%) exact matches, in which:
157 unique CDR3
6 unique J



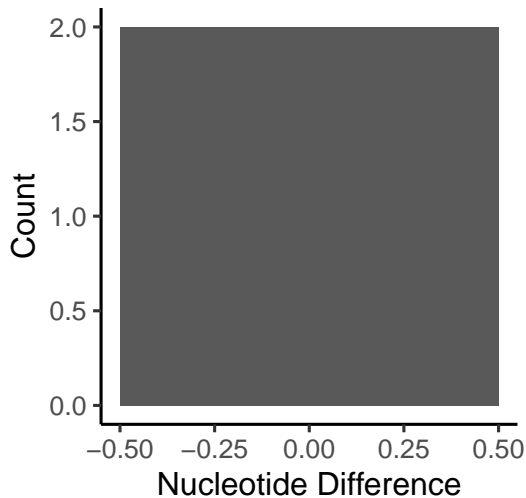
IGHV1-8*01

334 sequences assigned
321 (96.1%) exact matches, in which:
319 unique CDR3
6 unique J



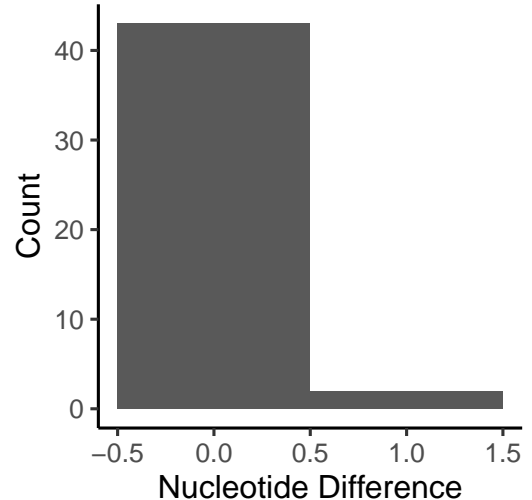
IGHV1-45*02

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



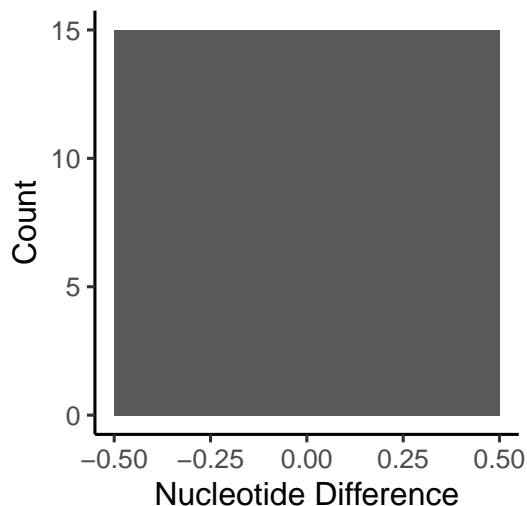
IGHV1-46*03

45 sequences assigned
43 (95.6%) exact matches, in which:
42 unique CDR3
6 unique J



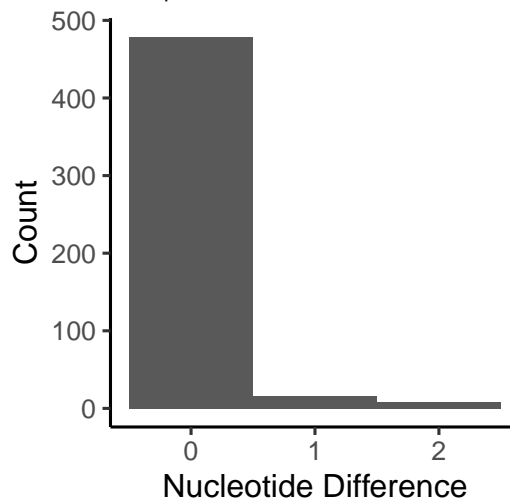
IGHV1-58*02

15 sequences assigned
15 (100%) exact matches, in which:
15 unique CDR3
3 unique J



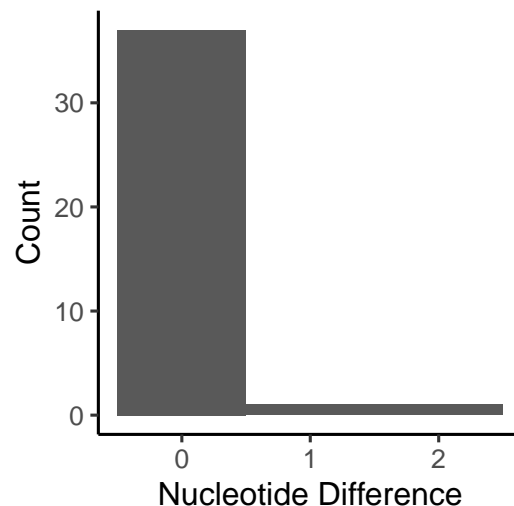
IGHV1-69*06_14

503 sequences assigned
479 (95.2%) exact matches, in which:
479 unique CDR3
7 unique J



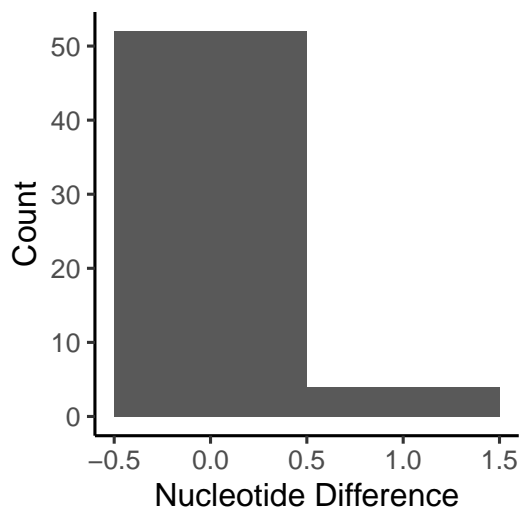
IGHV2-26*01

39 sequences assigned
37 (94.9%) exact matches, in which:
37 unique CDR3
6 unique J



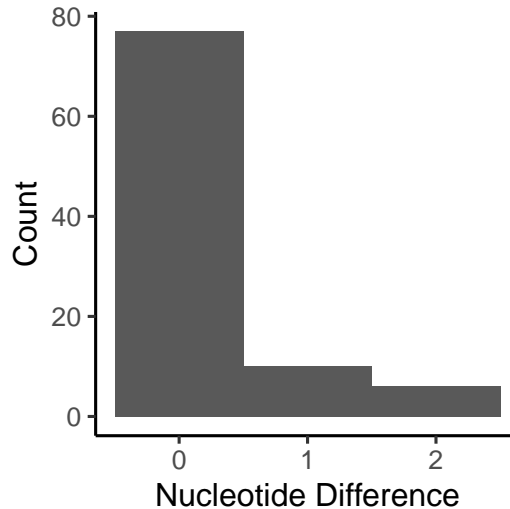
IGHV1-58*01_03

56 sequences assigned
52 (92.9%) exact matches, in which:
52 unique CDR3
5 unique J



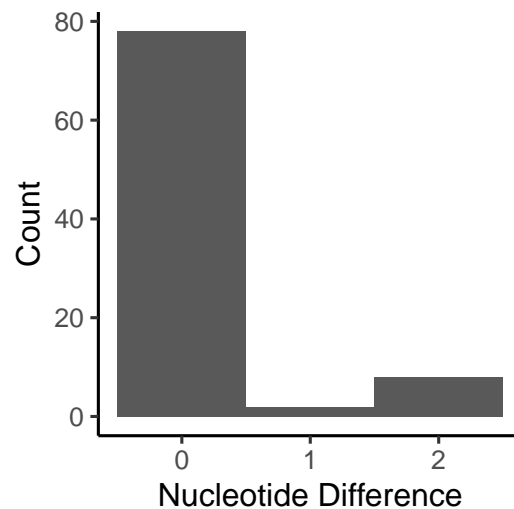
IGHV2-5*01

93 sequences assigned
77 (82.8%) exact matches, in which:
76 unique CDR3
6 unique J



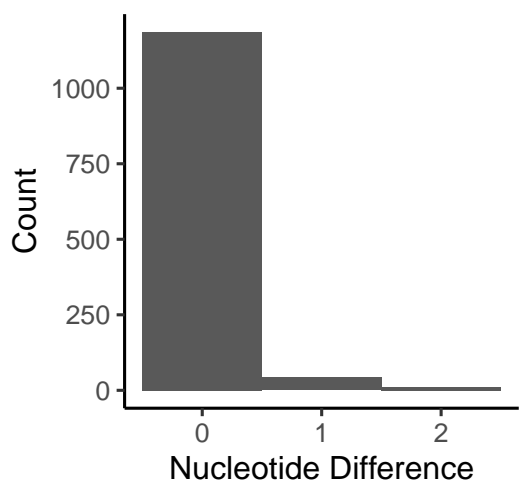
IGHV2-70*01

88 sequences assigned
78 (88.6%) exact matches, in which:
78 unique CDR3
6 unique J



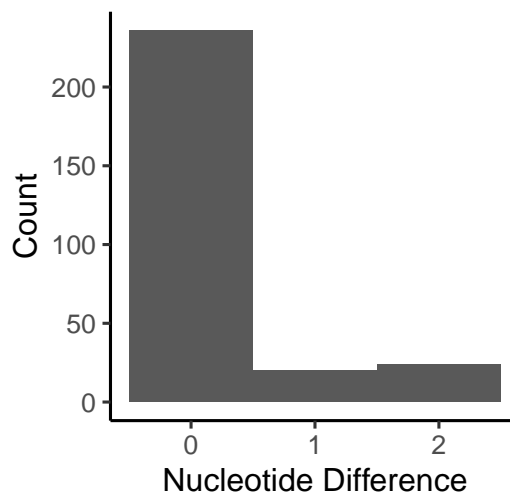
IGHV1-69*01_12_13

1240 sequences assigned
1186 (95.6%) exact matches, in which:
1183 unique CDR3
7 unique J



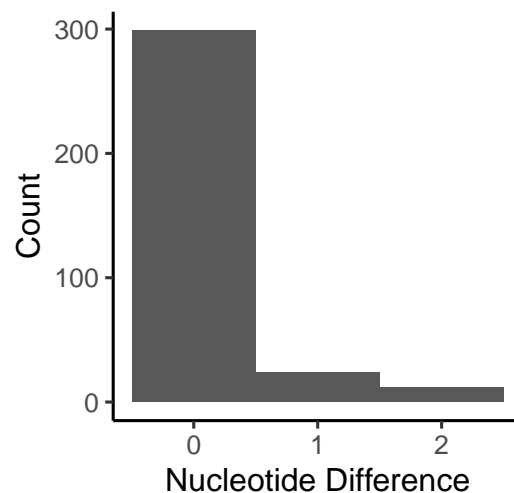
IGHV2-5*02

280 sequences assigned
236 (84.3%) exact matches, in which:
233 unique CDR3
6 unique J



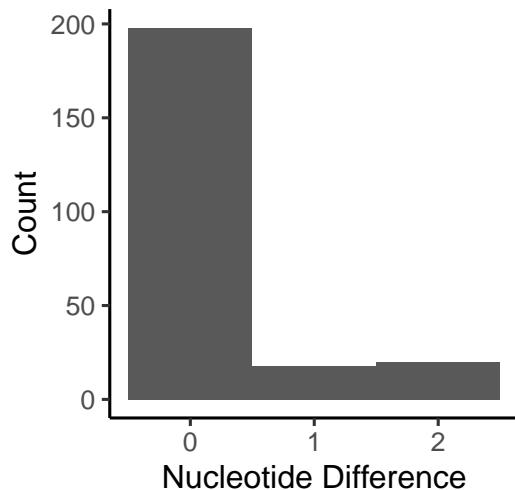
IGHV3-7*01

335 sequences assigned
299 (89.3%) exact matches, in which:
280 unique CDR3
6 unique J



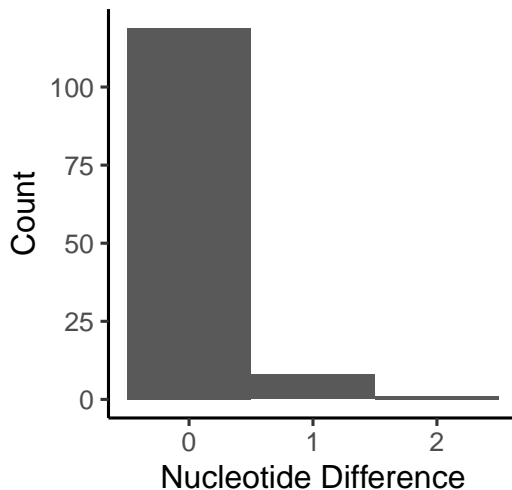
IGHV3-7*04

236 sequences assigned
198 (83.9%) exact matches, in which:
183 unique CDR3
6 unique J



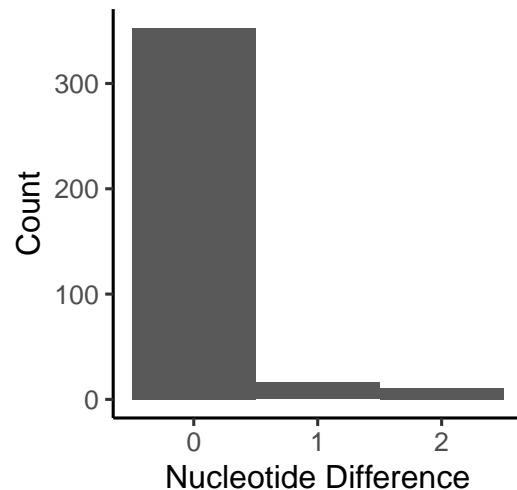
IGHV3-11*06

128 sequences assigned
119 (93%) exact matches, in which:
114 unique CDR3
6 unique J



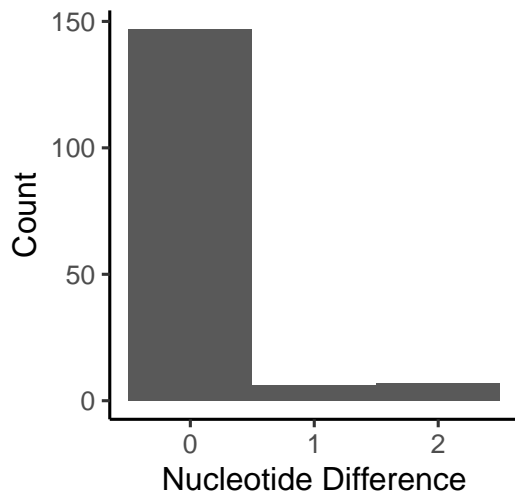
IGHV3-15*01_02

380 sequences assigned
353 (92.9%) exact matches, in which:
336 unique CDR3
7 unique J



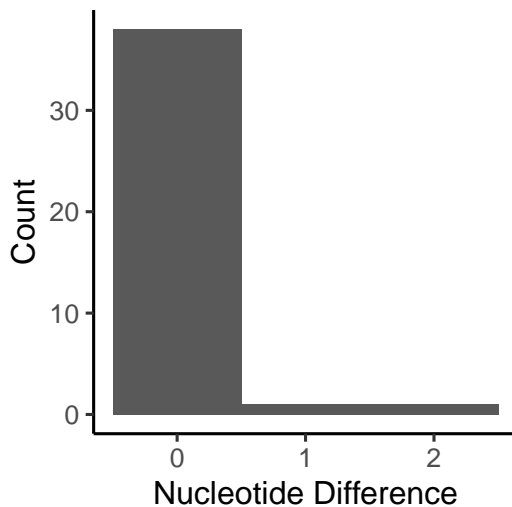
IGHV3-9*01

160 sequences assigned
147 (91.9%) exact matches, in which:
144 unique CDR3
6 unique J



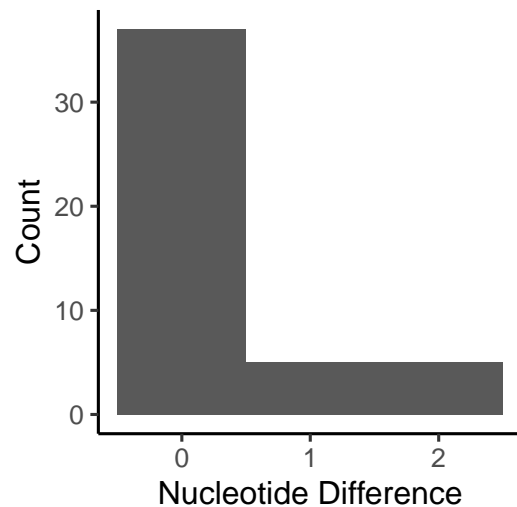
IGHV3-13*01

40 sequences assigned
38 (95%) exact matches, in which:
38 unique CDR3
5 unique J



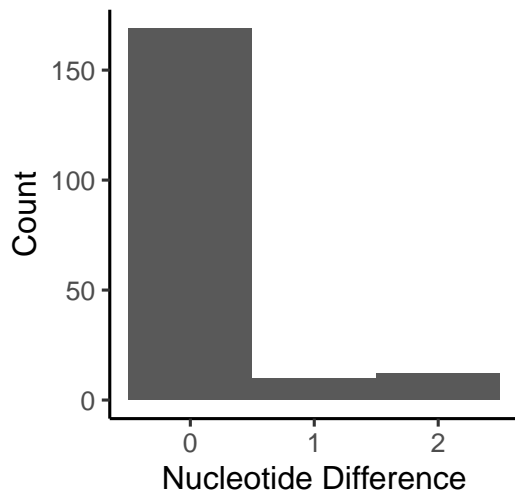
IGHV3-20*01_02

47 sequences assigned
37 (78.7%) exact matches, in which:
36 unique CDR3
6 unique J



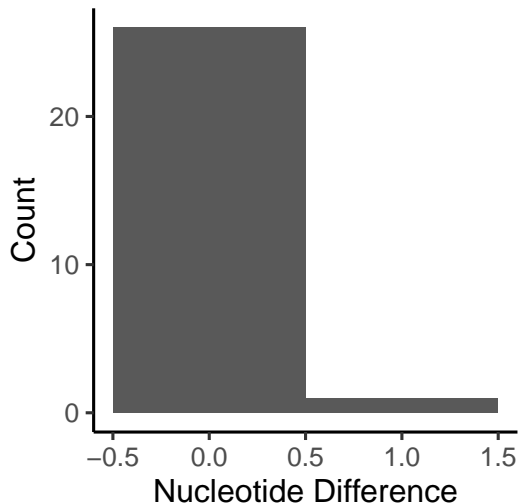
IGHV3-11*01

191 sequences assigned
169 (88.5%) exact matches, in which:
164 unique CDR3
6 unique J



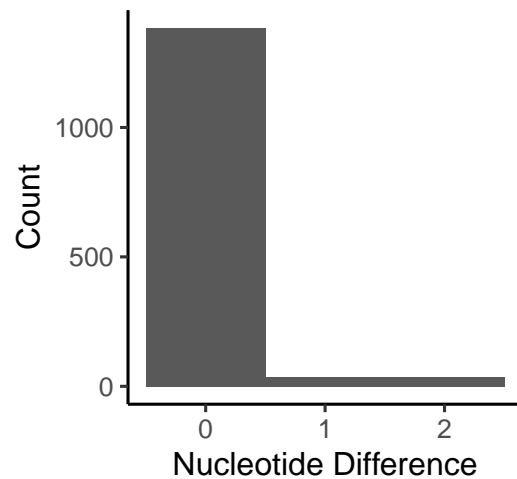
IGHV3-13*05

27 sequences assigned
26 (96.3%) exact matches, in which:
25 unique CDR3
4 unique J



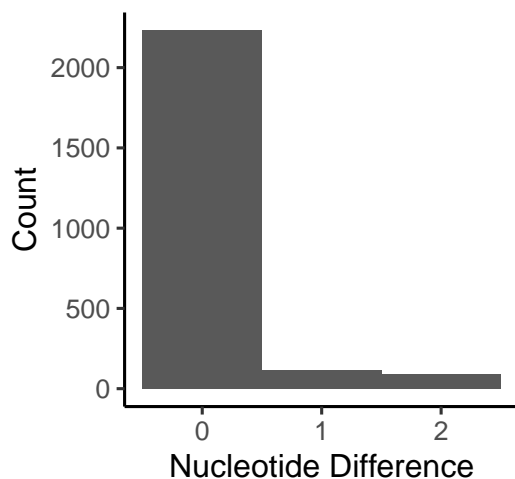
IGHV3-21*01_02

1455 sequences assigned
1384 (95.1%) exact matches, in which:
1279 unique CDR3
7 unique J



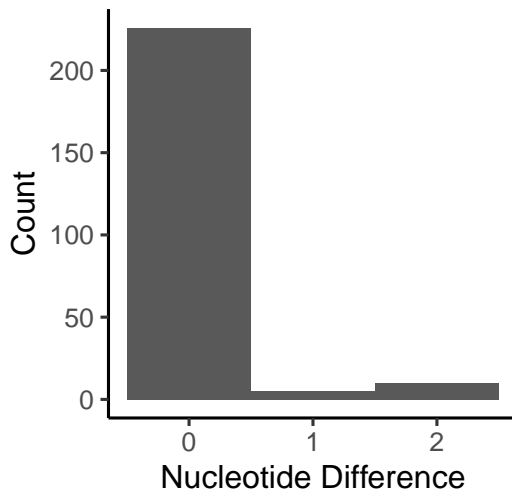
IGHV3-23*01_04

2438 sequences assigned
2232 (91.6%) exact matches, in which:
2076 unique CDR3
7 unique J



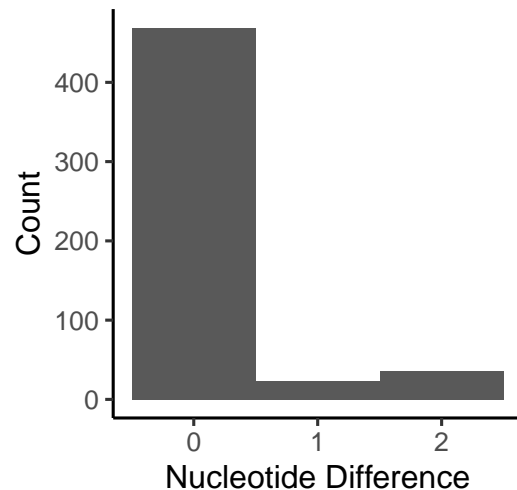
IGHV3-43*02

241 sequences assigned
226 (93.8%) exact matches, in which:
209 unique CDR3
6 unique J



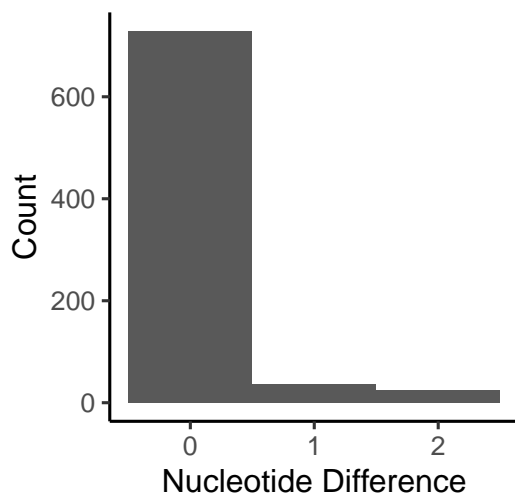
IGHV3-48*03

528 sequences assigned
469 (88.8%) exact matches, in which:
450 unique CDR3
6 unique J



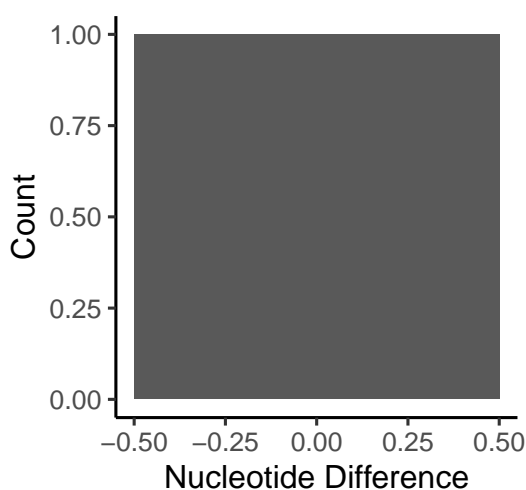
IGHV3-30-3*01

789 sequences assigned
729 (92.4%) exact matches, in which:
707 unique CDR3
7 unique J



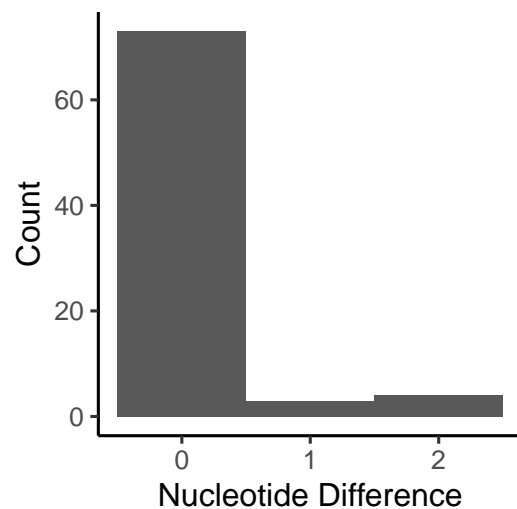
IGHV3-47*02

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



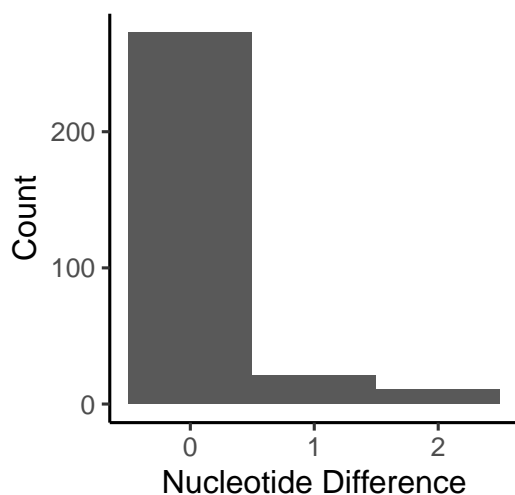
IGHV3-49*04

80 sequences assigned
73 (91.2%) exact matches, in which:
72 unique CDR3
5 unique J



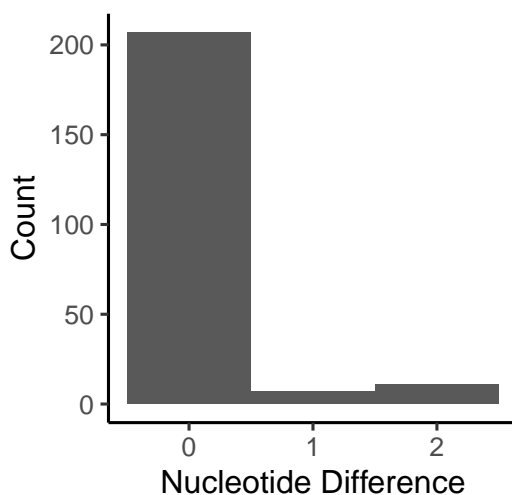
IGHV3-33*01

305 sequences assigned
273 (89.5%) exact matches, in which:
265 unique CDR3
7 unique J



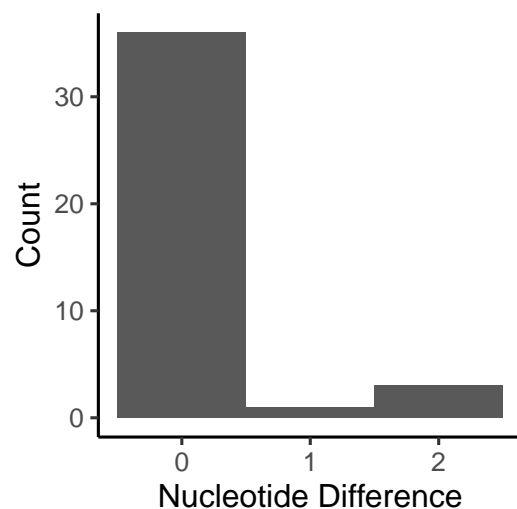
IGHV3-48*01

225 sequences assigned
207 (92%) exact matches, in which:
186 unique CDR3
6 unique J



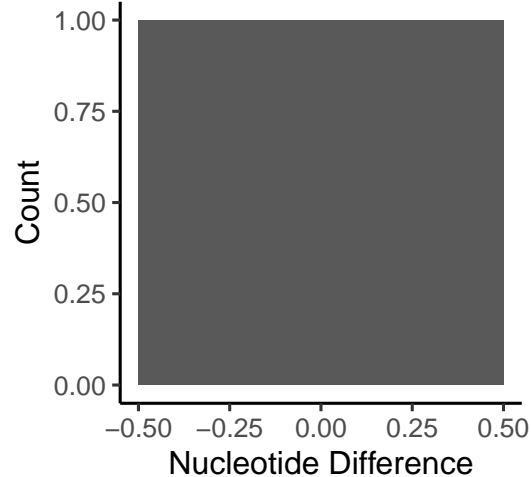
IGHV3-49*03_05

40 sequences assigned
36 (90%) exact matches, in which:
34 unique CDR3
5 unique J



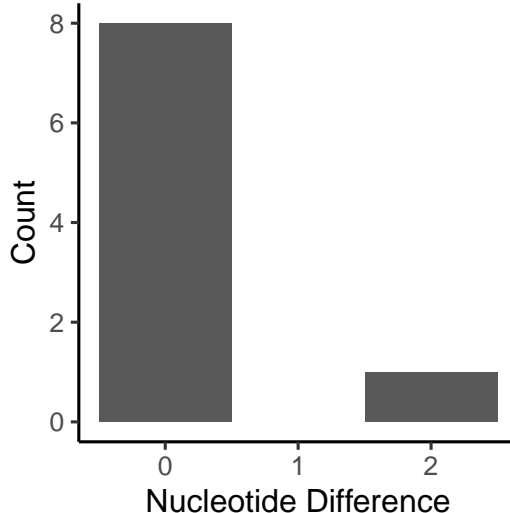
IGHV3-52*01_03

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



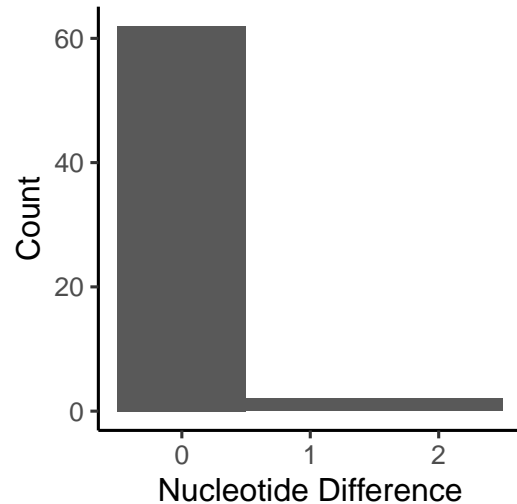
IGHV3-64*02_07

9 sequences assigned
8 (88.9%) exact matches, in which:
8 unique CDR3
3 unique J



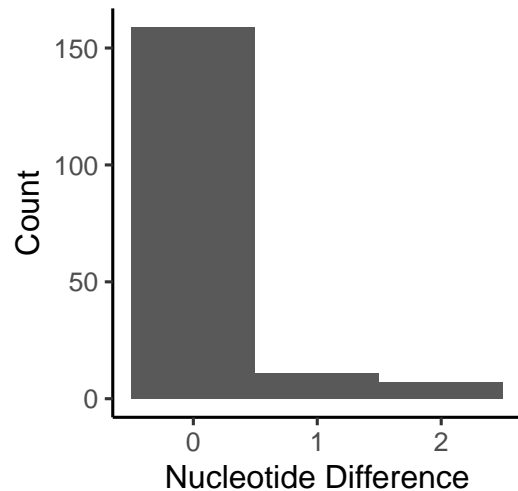
IGHV3-73*01_02

66 sequences assigned
62 (93.9%) exact matches, in which:
61 unique CDR3
6 unique J



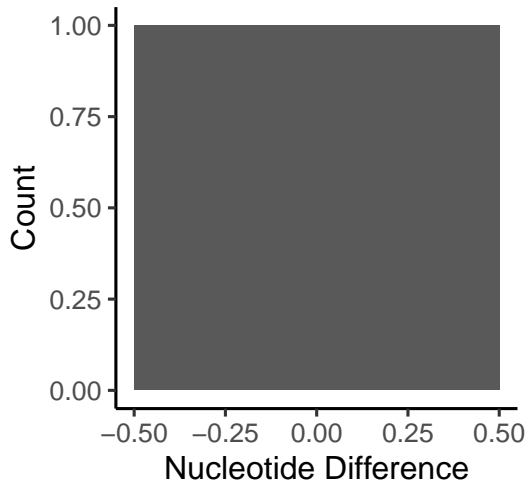
IGHV3-53*04

177 sequences assigned
159 (89.8%) exact matches, in which:
150 unique CDR3
7 unique J



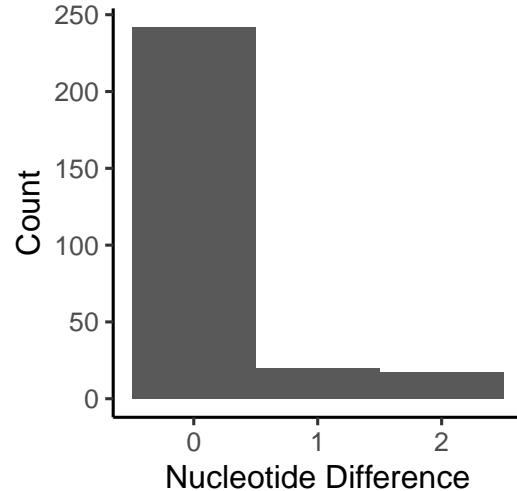
IGHV3-66*03

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



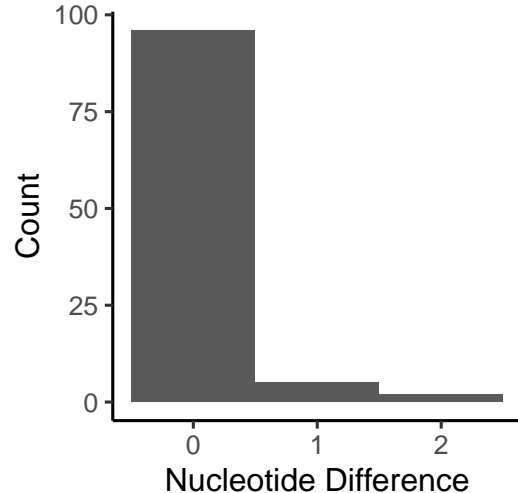
IGHV3-74*01_02

279 sequences assigned
242 (86.7%) exact matches, in which:
218 unique CDR3
7 unique J



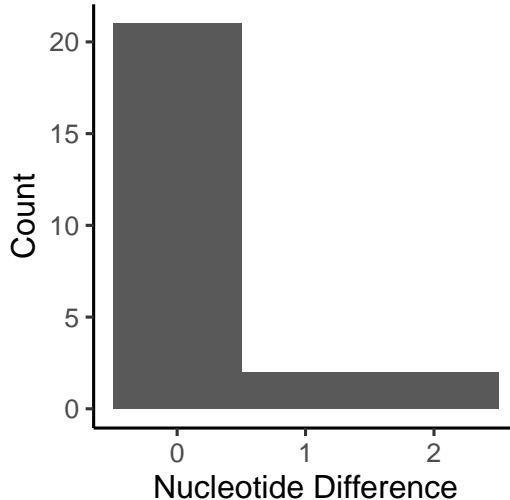
IGHV3-53*01_02

103 sequences assigned
96 (93.2%) exact matches, in which:
87 unique CDR3
5 unique J



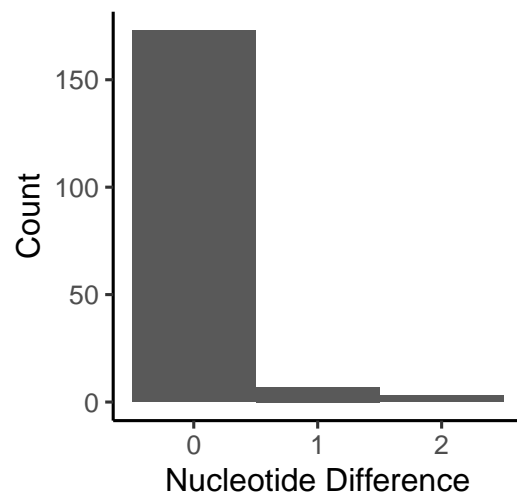
IGHV3-72*01

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



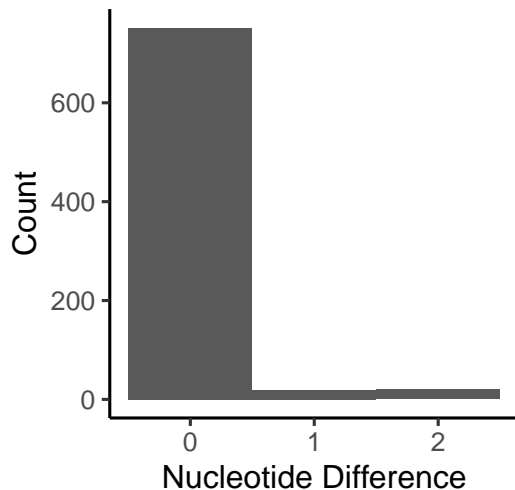
IGHV3-64D*06

183 sequences assigned
173 (94.5%) exact matches, in which:
163 unique CDR3
6 unique J



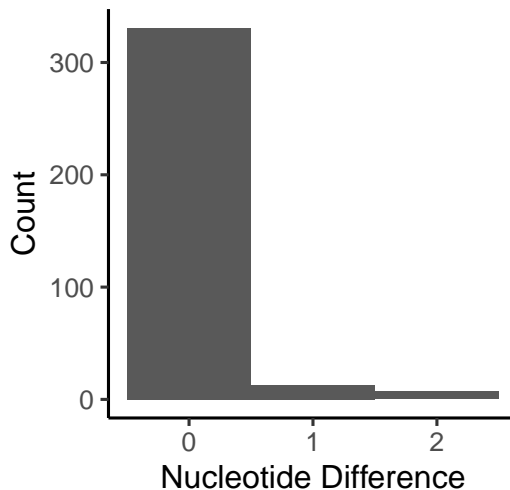
IGHV4-4*07

791 sequences assigned
752 (95.1%) exact matches, in which:
708 unique CDR3
7 unique J



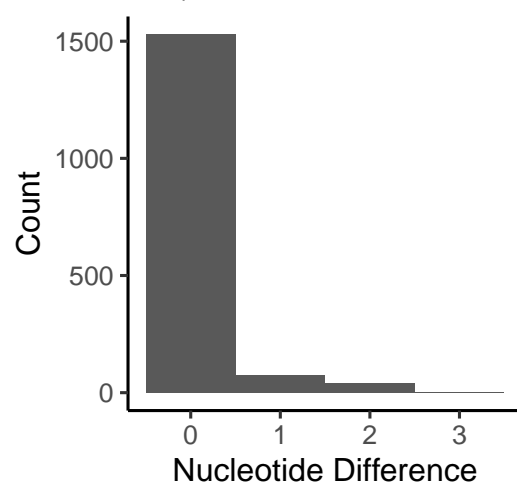
IGHV4-30-2*01

351 sequences assigned
331 (94.3%) exact matches, in which:
314 unique CDR3
7 unique J



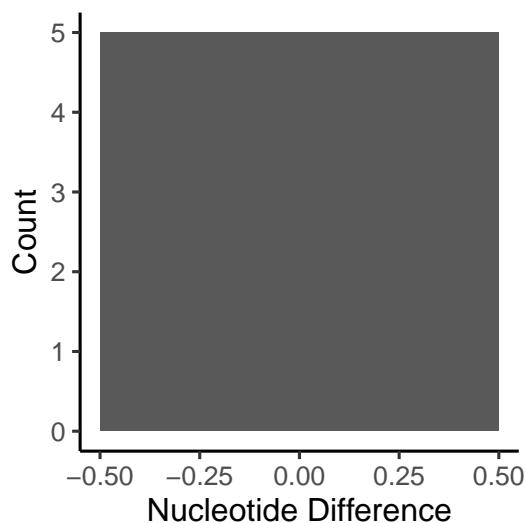
IGHV4-39*02_C258G

1646 sequences assigned
1529 (92.9%) exact matches, in which:
1452 unique CDR3
7 unique J



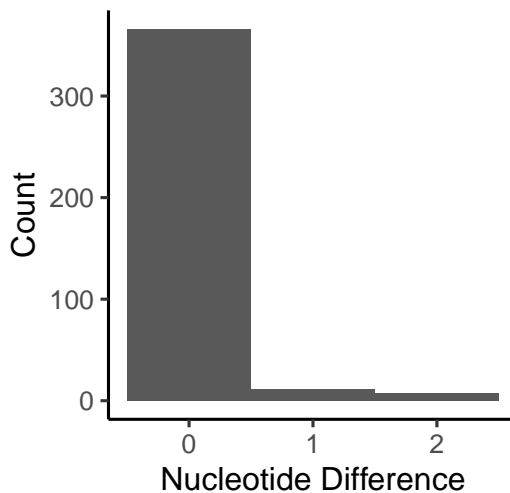
IGHV4-28*01_07

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



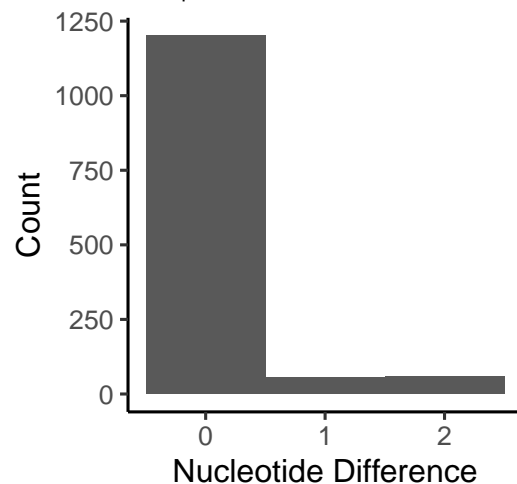
IGHV4-31*02

384 sequences assigned
366 (95.3%) exact matches, in which:
362 unique CDR3
7 unique J



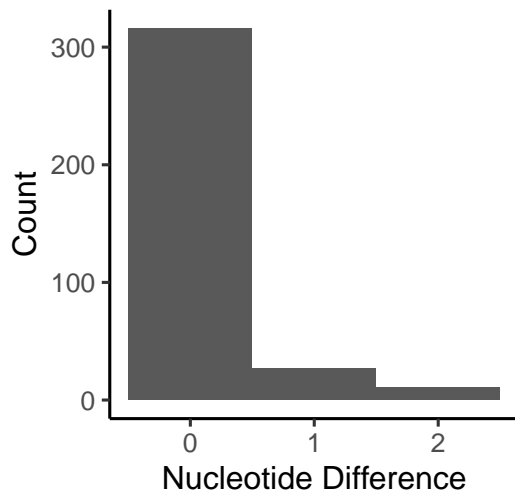
IGHV4-59*02_G88A

1315 sequences assigned
1201 (91.3%) exact matches, in which:
1140 unique CDR3
7 unique J



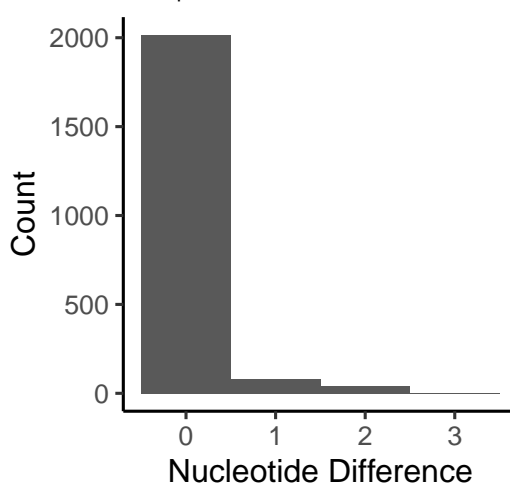
IGHV4-30-4*01

354 sequences assigned
316 (89.3%) exact matches, in which:
306 unique CDR3
7 unique J



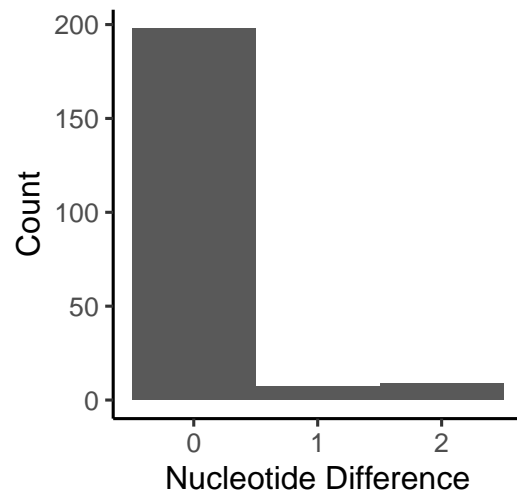
IGHV4-34*01_02

2135 sequences assigned
2015 (94.4%) exact matches, in which:
1860 unique CDR3
7 unique J



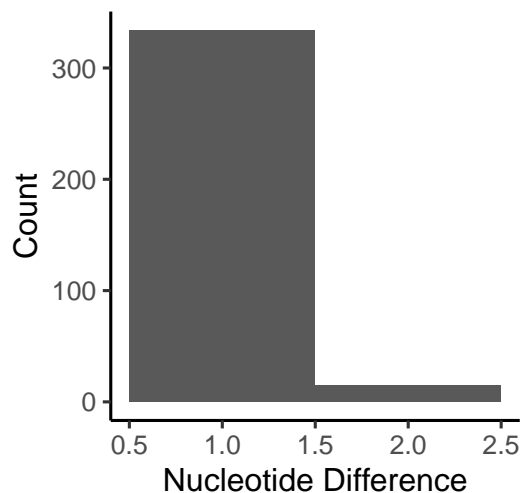
IGHV4-61*01

214 sequences assigned
198 (92.5%) exact matches, in which:
186 unique CDR3
6 unique J



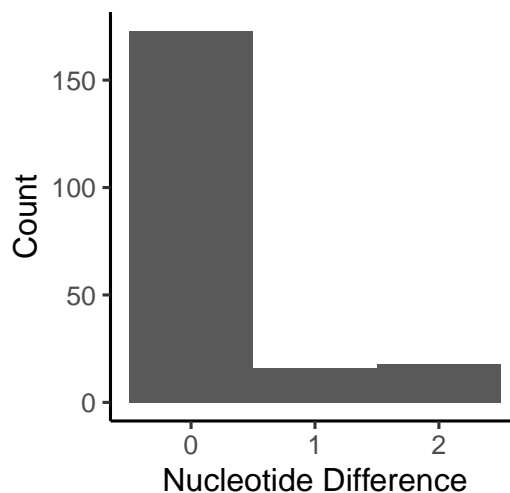
IGHV4–61*02

349 sequences assigned
No exact matches.



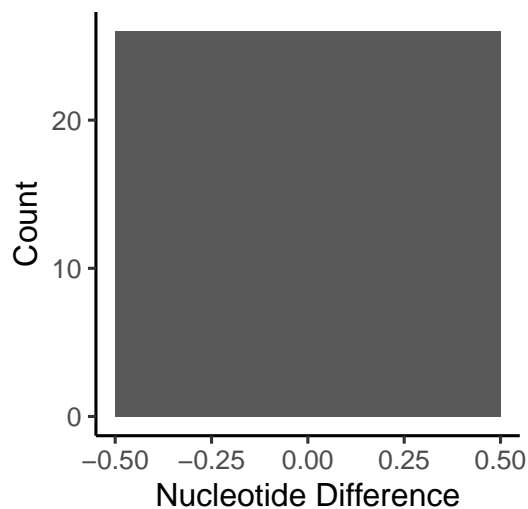
IGHV6–1*01_02

207 sequences assigned
173 (83.6%) exact matches, in which:
173 unique CDR3
7 unique J



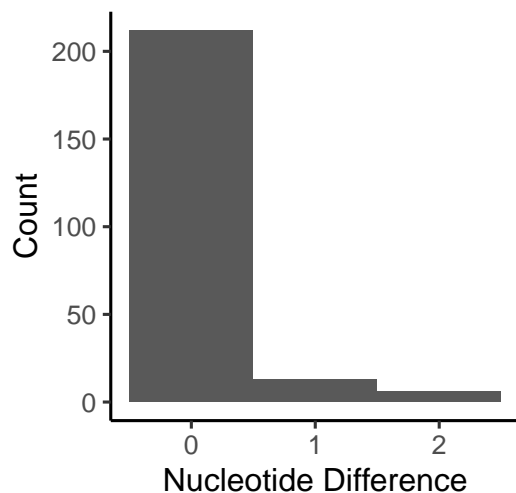
IGHV5–10–1*01_03

26 sequences assigned
26 (100%) exact matches, in which:
26 unique CDR3
4 unique J

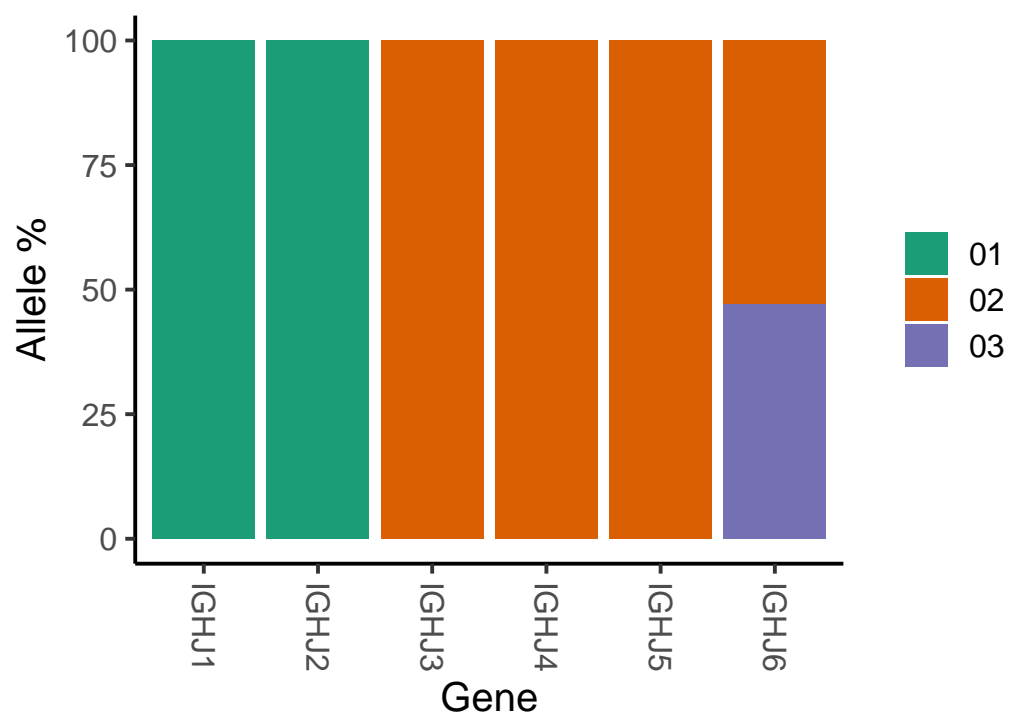


IGHV5–51*07_A128G

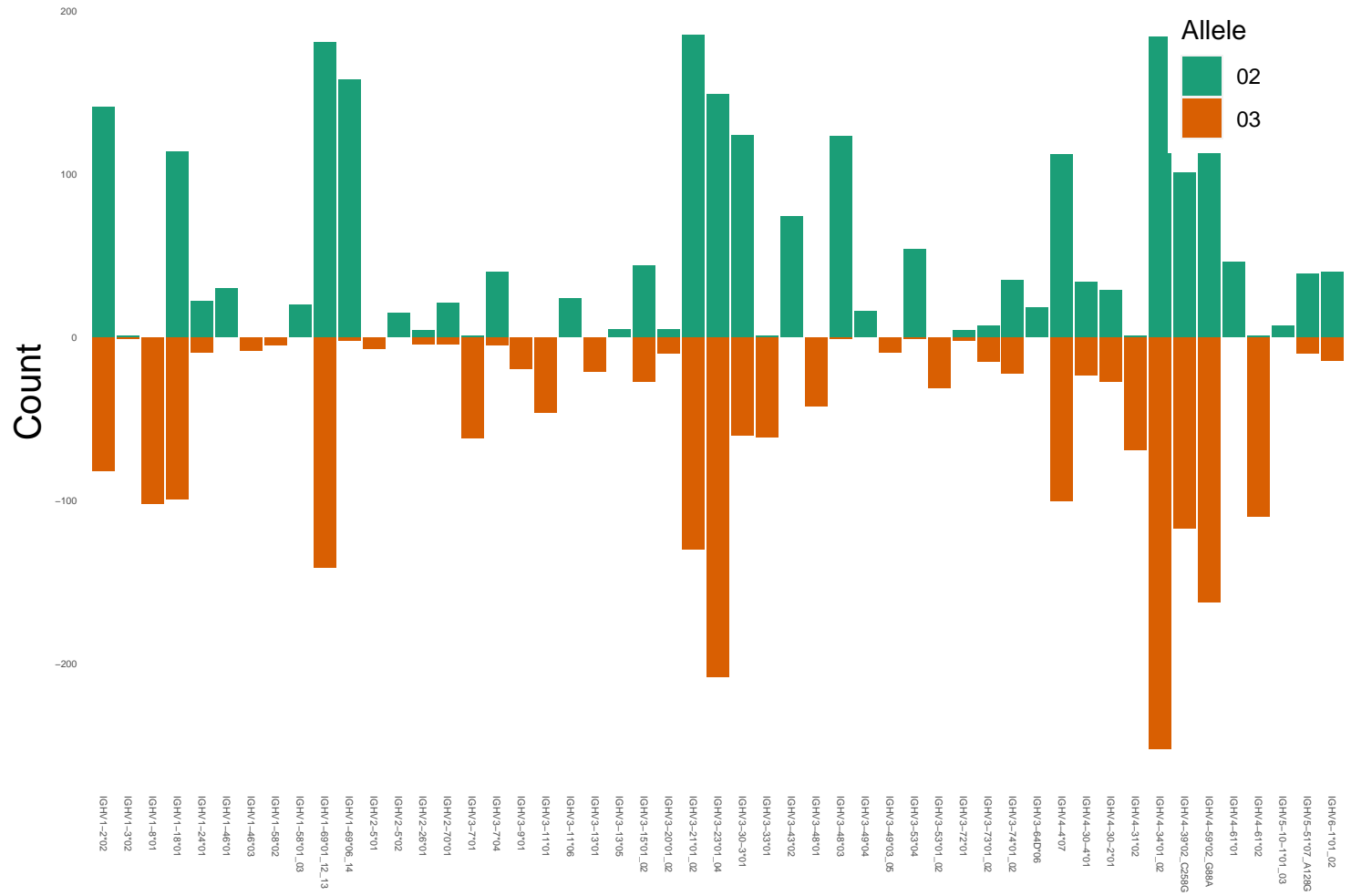
231 sequences assigned
212 (91.8%) exact matches, in which:
212 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.