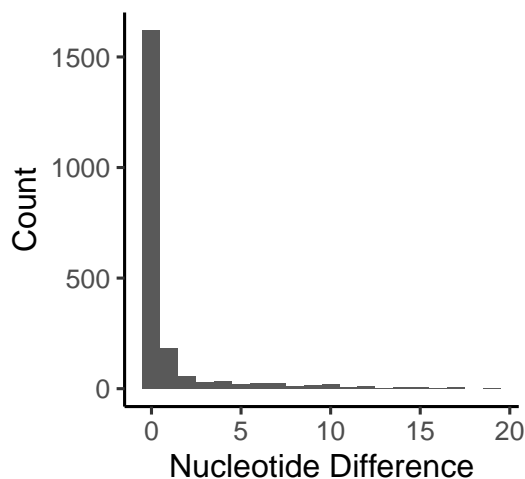


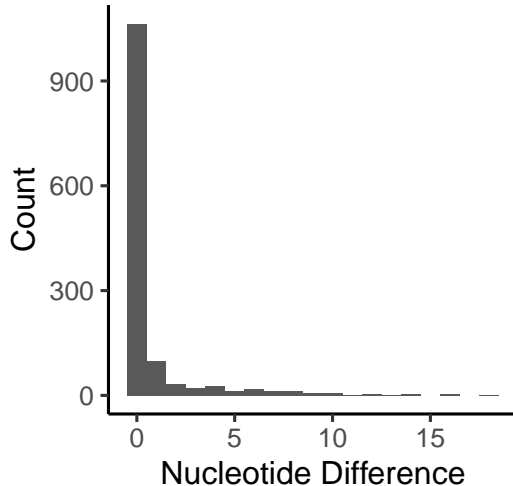
IGHV1-2*02

2092 sequences assigned
1620 (77.4%) exact matches, in which:
1476 unique CDR3
6 unique J



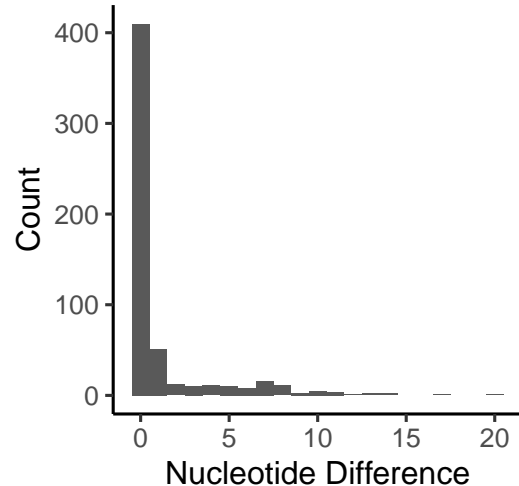
IGHV1-18*01

1334 sequences assigned
1064 (79.8%) exact matches, in which:
978 unique CDR3
6 unique J



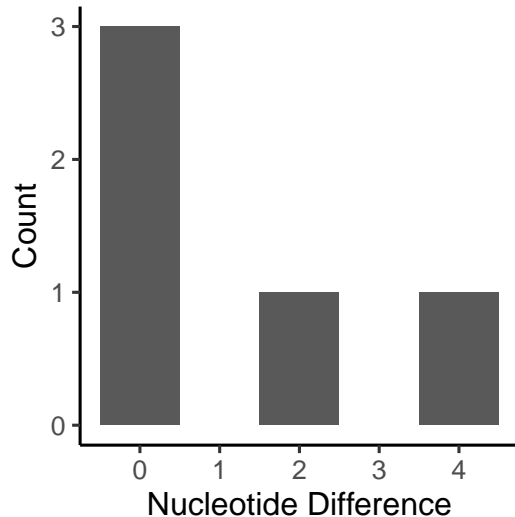
IGHV1-46*01

559 sequences assigned
410 (73.3%) exact matches, in which:
382 unique CDR3
6 unique J



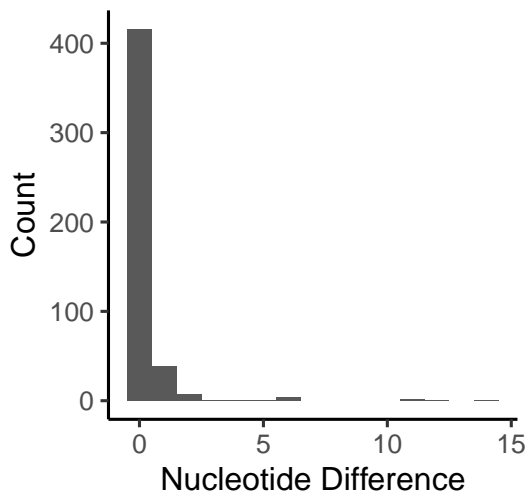
IGHV1-3*02

5 sequences assigned
3 (60%) exact matches, in which:
3 unique CDR3
3 unique J



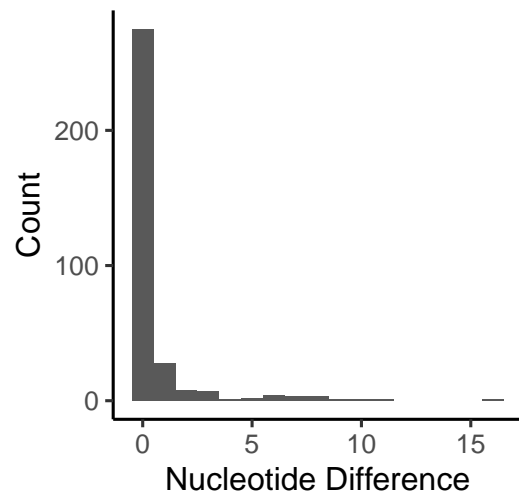
IGHV1-24*01

473 sequences assigned
416 (87.9%) exact matches, in which:
388 unique CDR3
6 unique J



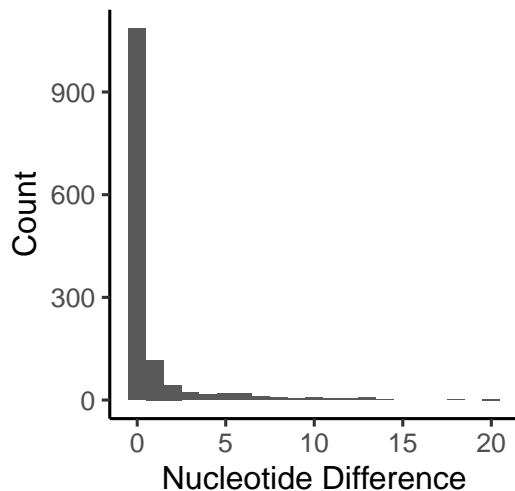
IGHV1-46*03

336 sequences assigned
275 (81.8%) exact matches, in which:
247 unique CDR3
6 unique J



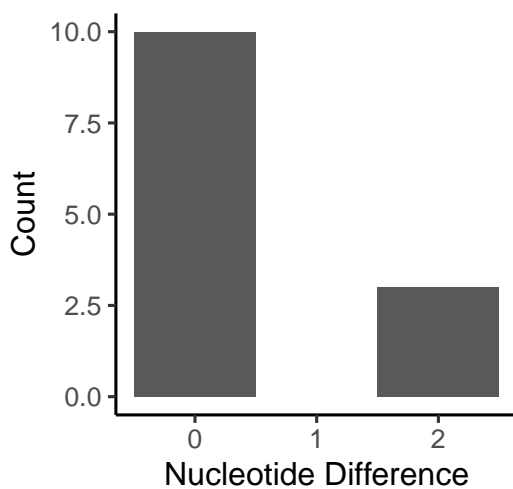
IGHV1-8*01

1373 sequences assigned
1086 (79.1%) exact matches, in which:
1012 unique CDR3
6 unique J



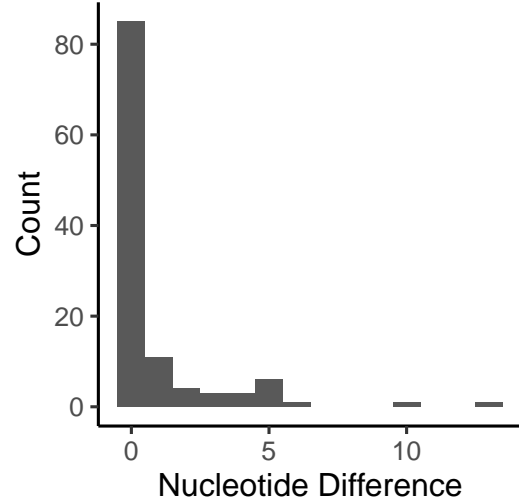
IGHV1-45*02

13 sequences assigned
10 (76.9%) exact matches, in which:
9 unique CDR3
3 unique J



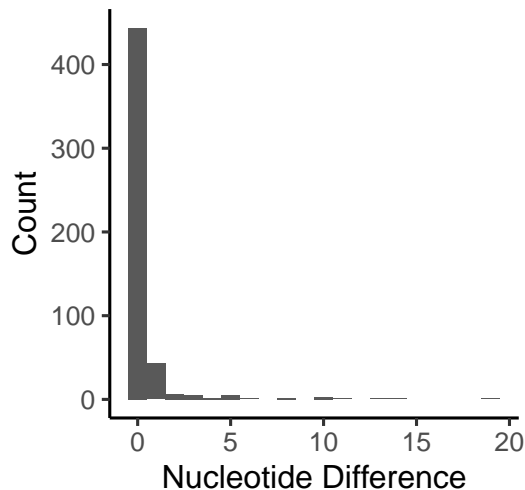
IGHV1-58*02

116 sequences assigned
85 (73.3%) exact matches, in which:
75 unique CDR3
5 unique J



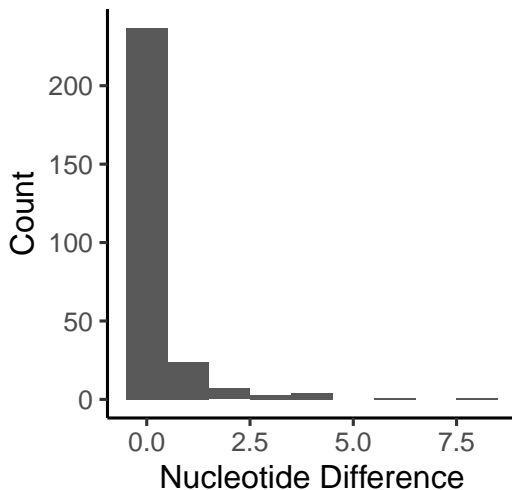
IGHV1–69*08_C191T

516 sequences assigned
444 (86%) exact matches, in which:
401 unique CDR3
6 unique J



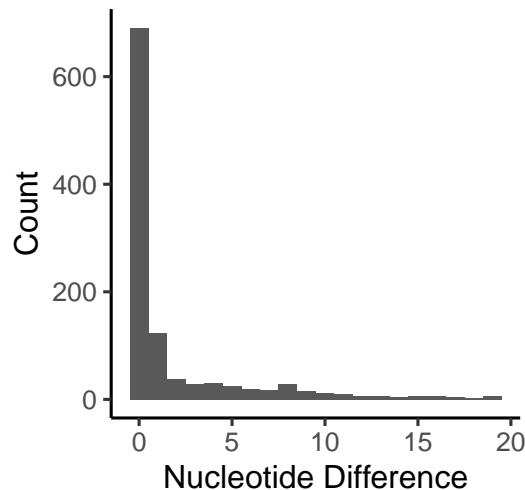
IGHV2–26*01

277 sequences assigned
237 (85.6%) exact matches, in which:
225 unique CDR3
5 unique J



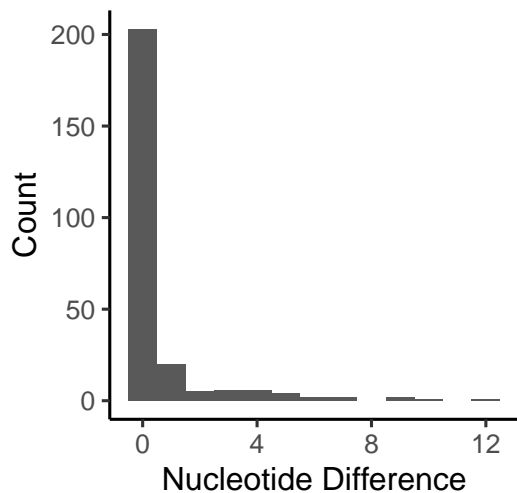
IGHV3–7*01

1090 sequences assigned
691 (63.4%) exact matches, in which:
616 unique CDR3
6 unique J



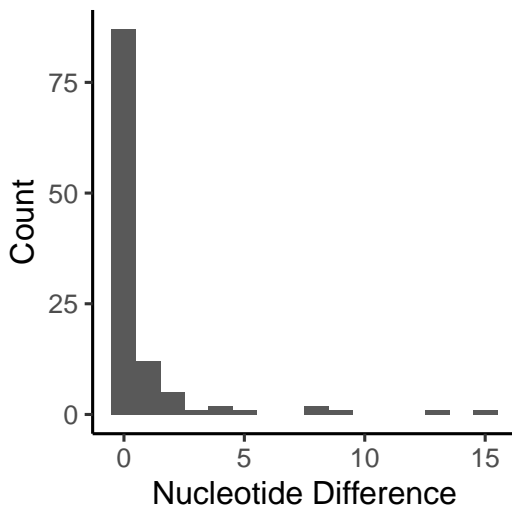
IGHV2–5*01

255 sequences assigned
203 (79.6%) exact matches, in which:
189 unique CDR3
6 unique J



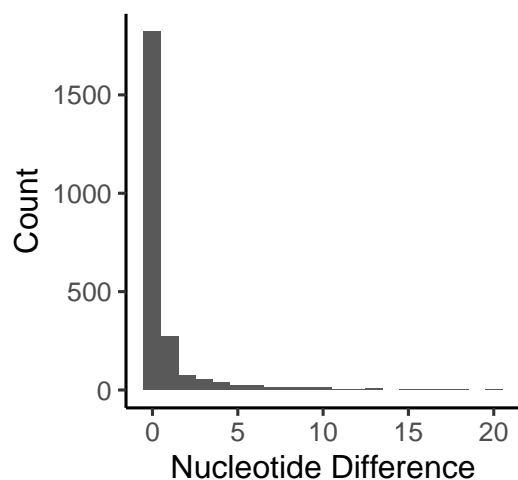
IGHV2–70*01

113 sequences assigned
87 (77%) exact matches, in which:
84 unique CDR3
5 unique J



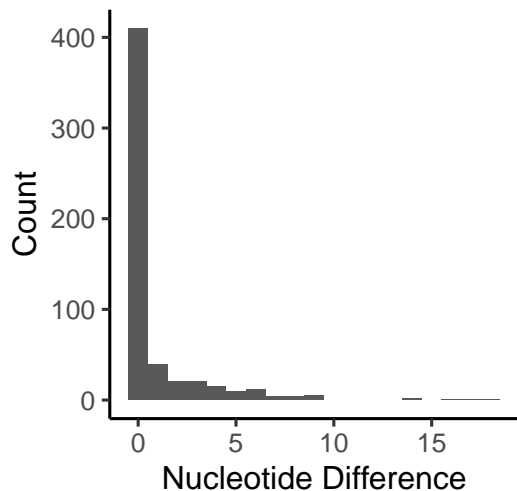
IGHV3–9*01

2383 sequences assigned
1821 (76.4%) exact matches, in which:
1558 unique CDR3
6 unique J



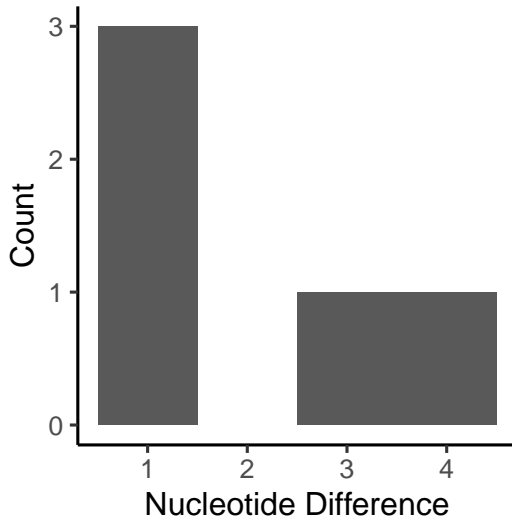
IGHV2–5*02

544 sequences assigned
410 (75.4%) exact matches, in which:
385 unique CDR3
6 unique J



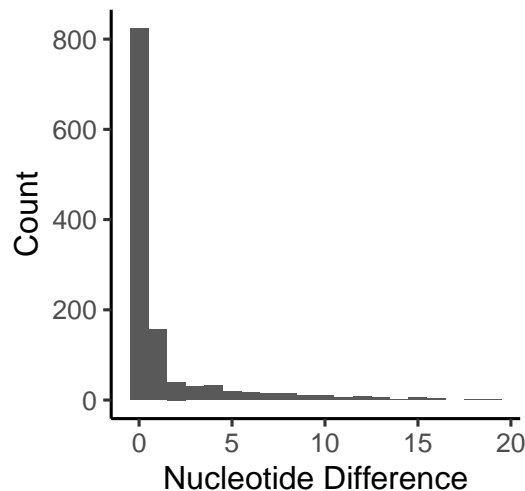
IGHV2–70D*04

5 sequences assigned
No exact matches.



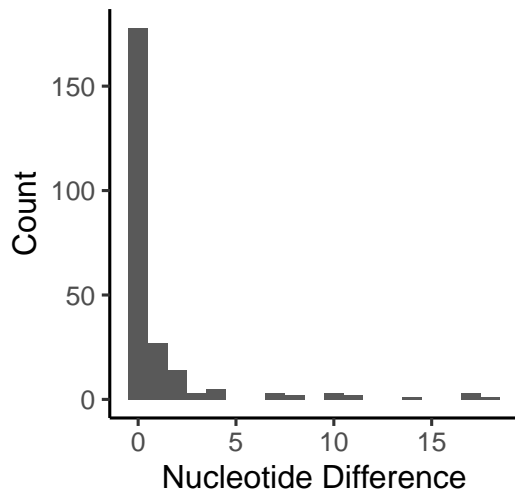
IGHV3–11*01

1202 sequences assigned
824 (68.6%) exact matches, in which:
730 unique CDR3
6 unique J



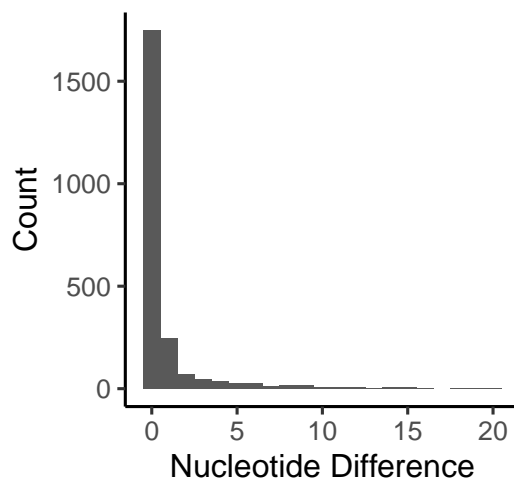
IGHV3-13*01

242 sequences assigned
178 (73.6%) exact matches, in which:
158 unique CDR3
5 unique J



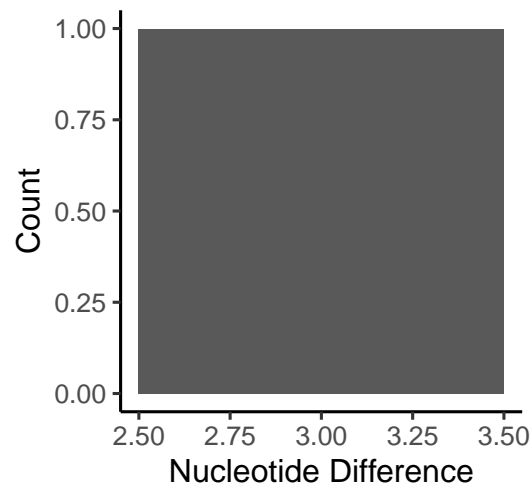
IGHV3-21*01

2306 sequences assigned
1748 (75.8%) exact matches, in which:
1517 unique CDR3
6 unique J



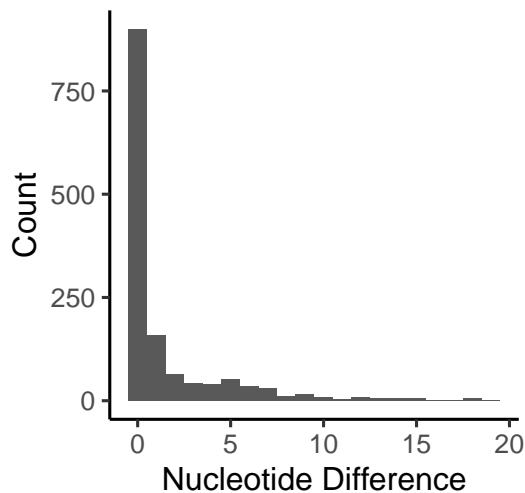
IGHV3-41*02

1 sequences assigned
No exact matches.



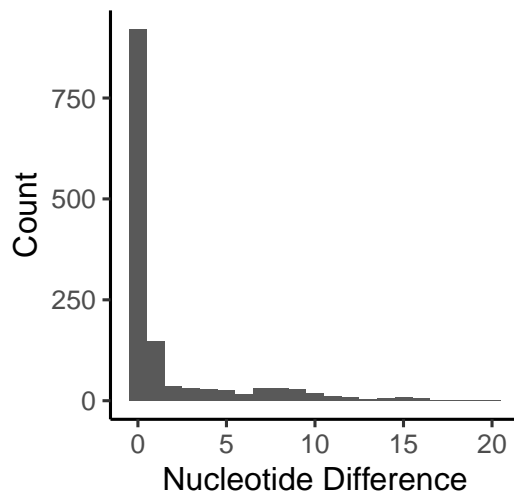
IGHV3-15*01

1400 sequences assigned
900 (64.3%) exact matches, in which:
808 unique CDR3
6 unique J



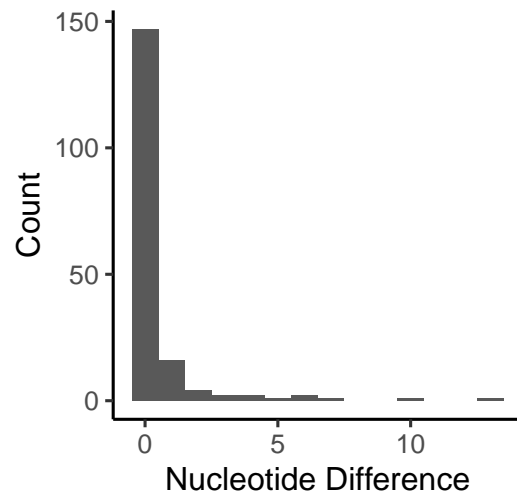
IGHV3-23*04

1371 sequences assigned
921 (67.2%) exact matches, in which:
819 unique CDR3
6 unique J



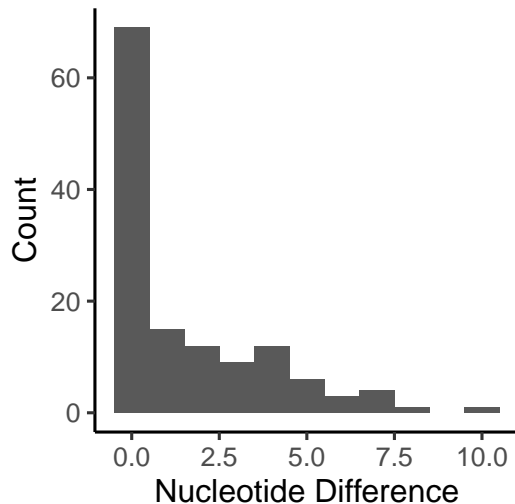
IGHV3-43*01

177 sequences assigned
147 (83.1%) exact matches, in which:
117 unique CDR3
6 unique J



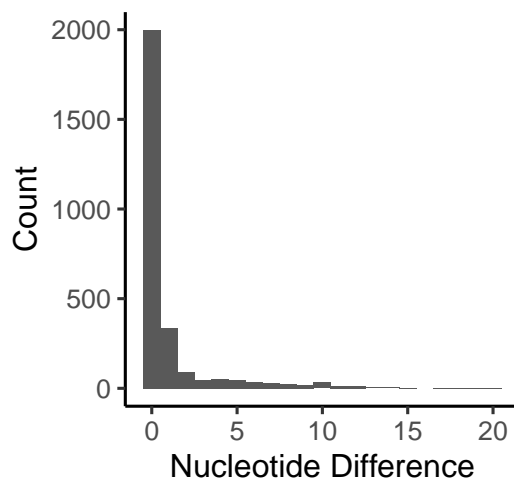
IGHV3-20*01

132 sequences assigned
69 (52.3%) exact matches, in which:
63 unique CDR3
5 unique J



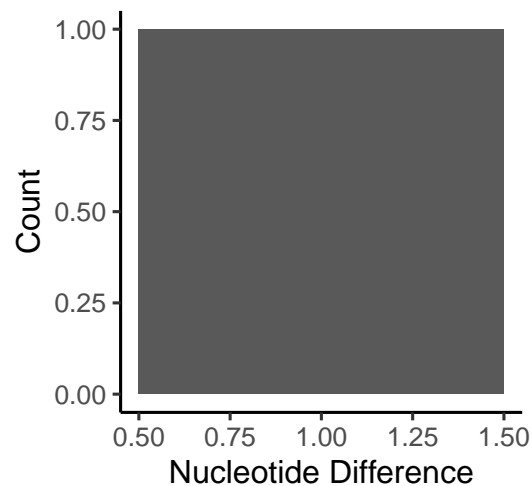
IGHV3-33*01

2760 sequences assigned
1998 (72.4%) exact matches, in which:
1745 unique CDR3
6 unique J



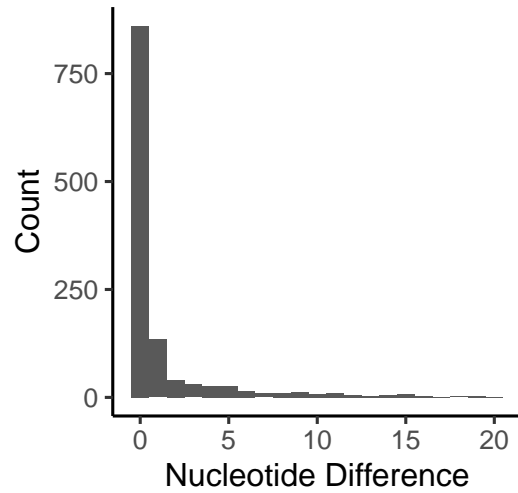
IGHV3-47*02

1 sequences assigned
No exact matches.



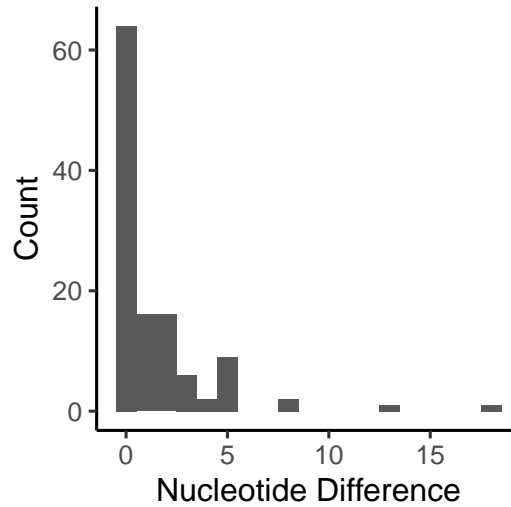
IGHV3-48*01

1216 sequences assigned
861 (70.8%) exact matches, in which:
749 unique CDR3
6 unique J



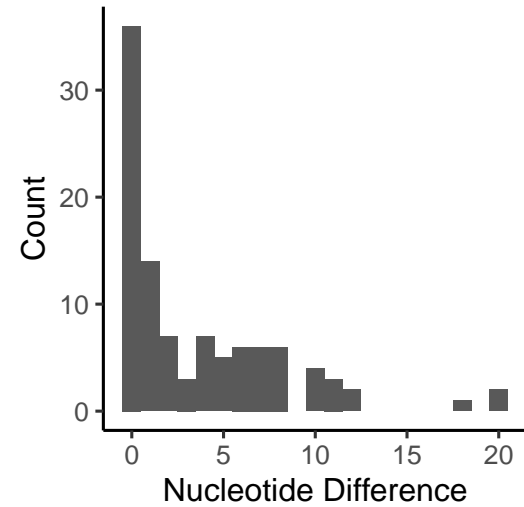
IGHV3-64*01

117 sequences assigned
64 (54.7%) exact matches, in which:
61 unique CDR3
5 unique J



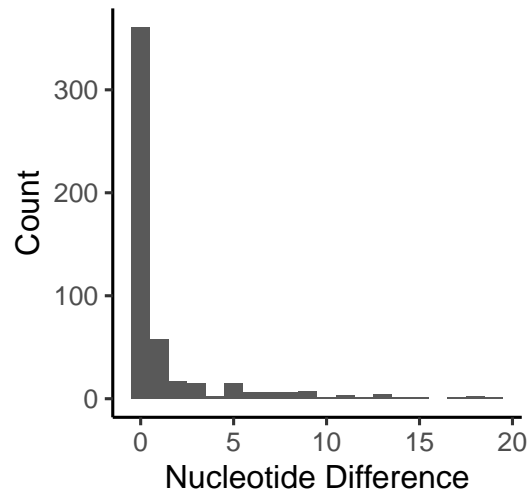
IGHV3-72*01

105 sequences assigned
36 (34.3%) exact matches, in which:
32 unique CDR3
4 unique J



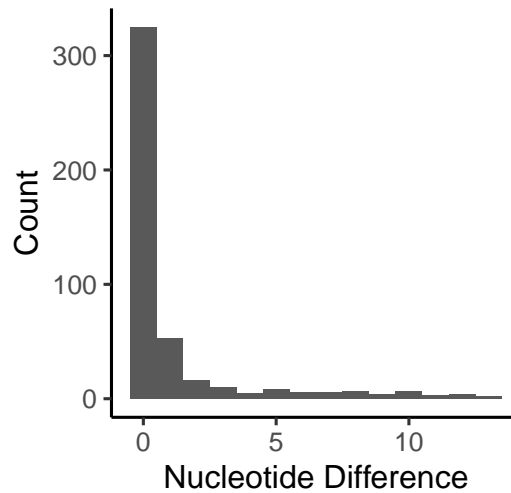
IGHV3-49*03

509 sequences assigned
361 (70.9%) exact matches, in which:
308 unique CDR3
5 unique J



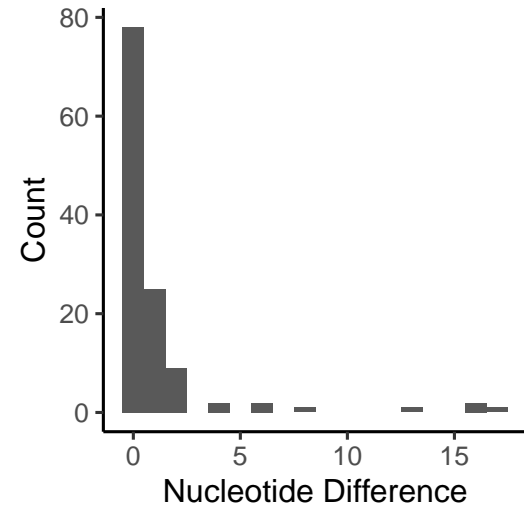
IGHV3-66*02

457 sequences assigned
325 (71.1%) exact matches, in which:
280 unique CDR3
6 unique J



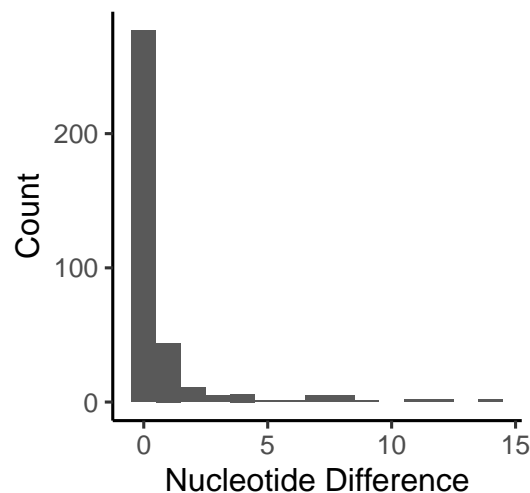
IGHV3-73*01

121 sequences assigned
78 (64.5%) exact matches, in which:
72 unique CDR3
4 unique J



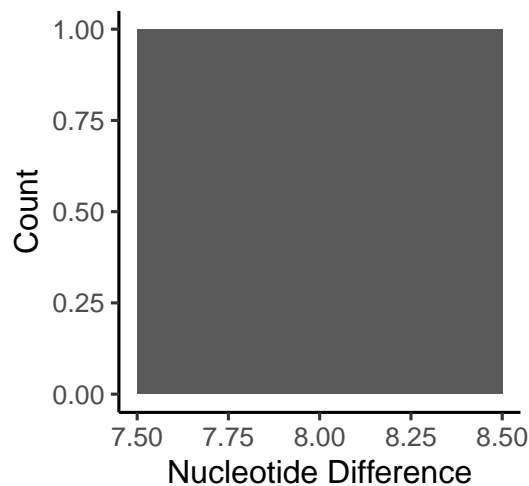
IGHV3-53*02

366 sequences assigned
277 (75.7%) exact matches, in which:
255 unique CDR3
6 unique J



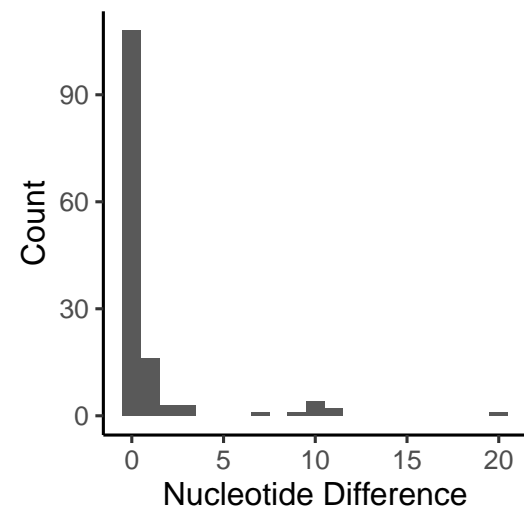
IGHV3-71*03

1 sequences assigned
No exact matches.



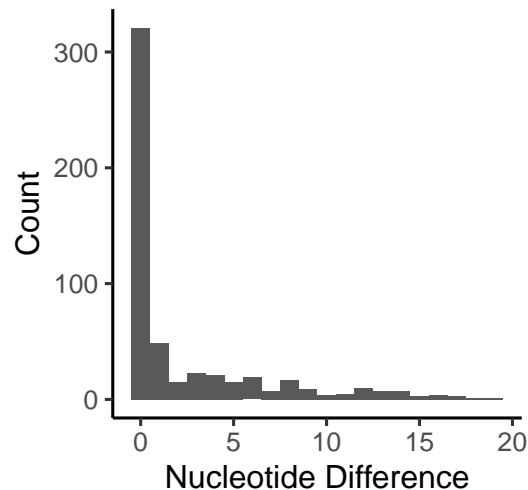
IGHV3-73*02

140 sequences assigned
108 (77.1%) exact matches, in which:
92 unique CDR3
6 unique J



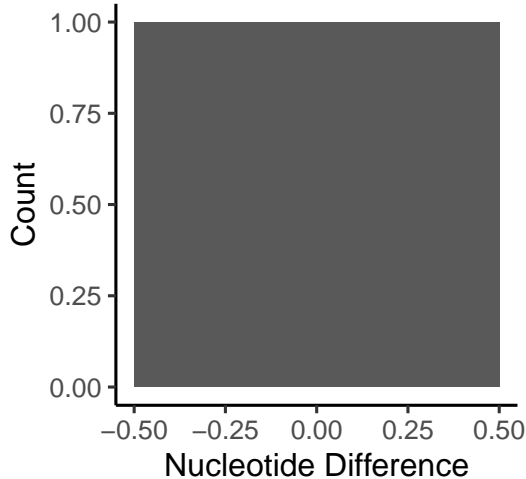
IGHV3–74*01

544 sequences assigned
321 (59%) exact matches, in which:
298 unique CDR3
6 unique J



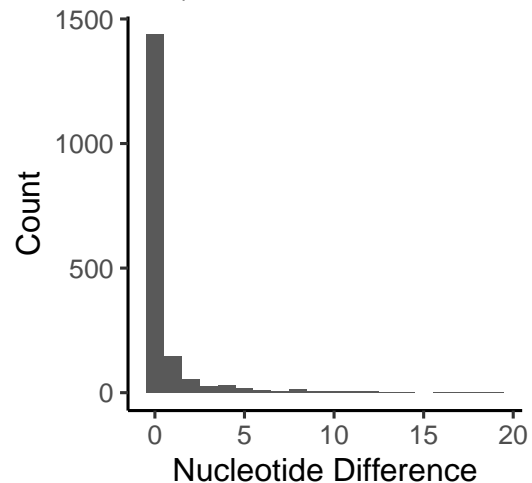
IGHV4–28*05

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



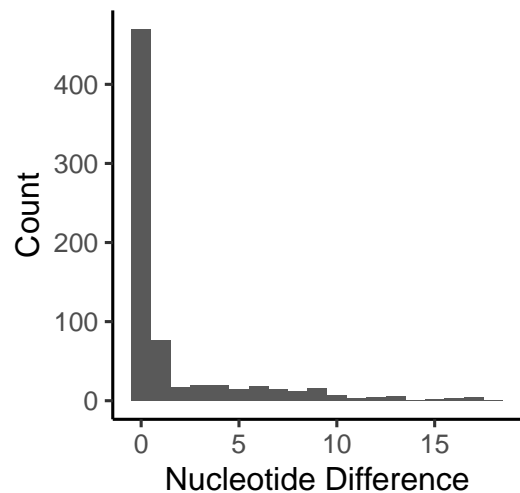
IGHV4–31*03

1791 sequences assigned
1438 (80.3%) exact matches, in which:
1313 unique CDR3
6 unique J



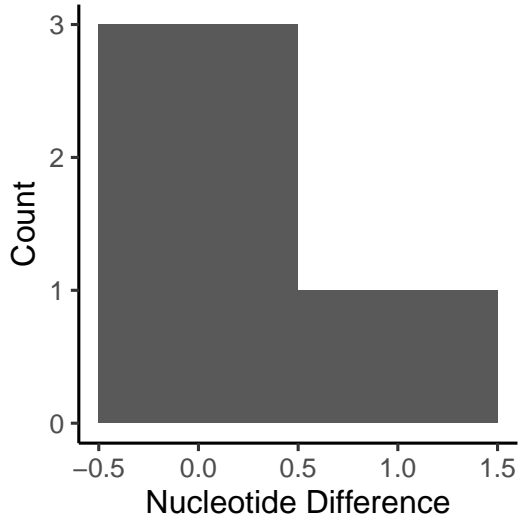
IGHV4–4*07

715 sequences assigned
470 (65.7%) exact matches, in which:
431 unique CDR3
6 unique J



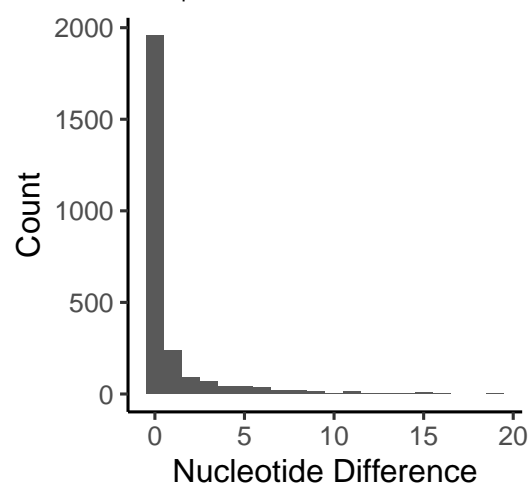
IGHV4–28*07

4 sequences assigned
3 (75%) exact matches, in which:
2 unique CDR3
2 unique J



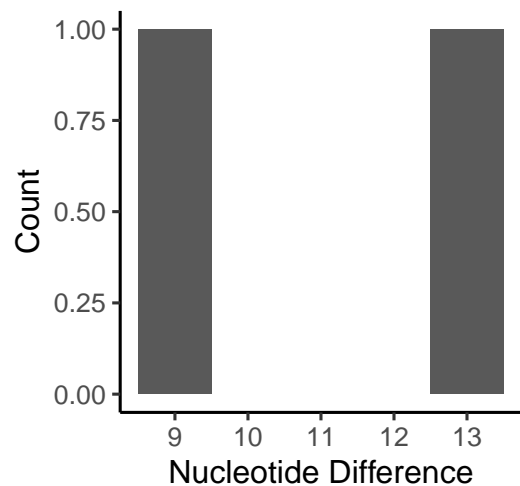
IGHV4–34*01

2551 sequences assigned
1956 (76.7%) exact matches, in which:
1721 unique CDR3
6 unique J



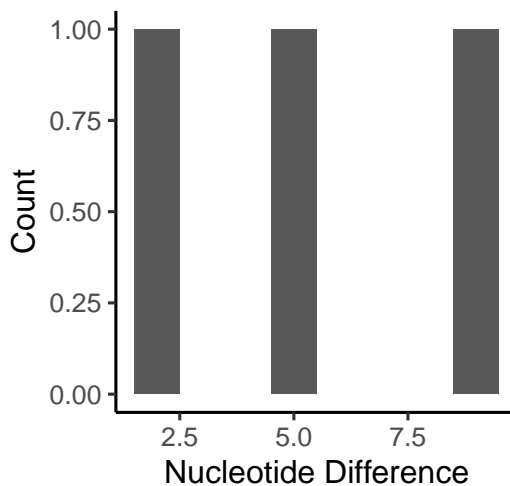
IGHV4–4*07_G291A

2 sequences assigned
No exact matches.



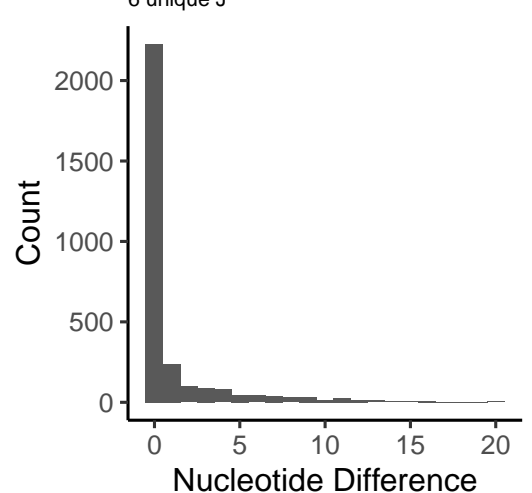
IGHV4–30–2*03

4 sequences assigned
No exact matches.



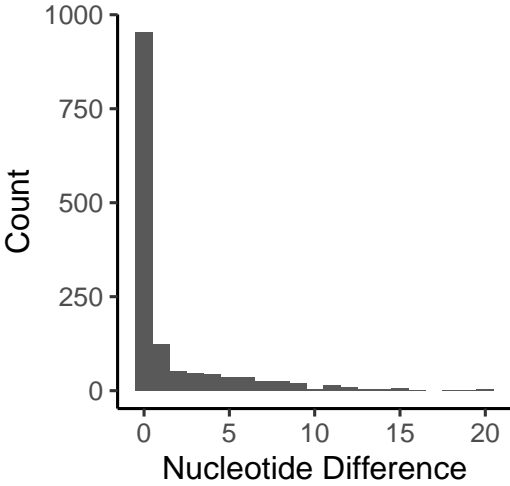
IGHV4–39*01

3029 sequences assigned
2227 (73.5%) exact matches, in which:
2000 unique CDR3
6 unique J



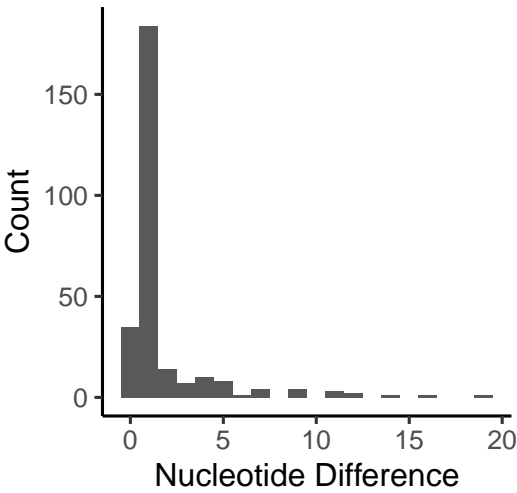
IGHV4–59*01

1416 sequences assigned
953 (67.3%) exact matches, in which:
896 unique CDR3
6 unique J



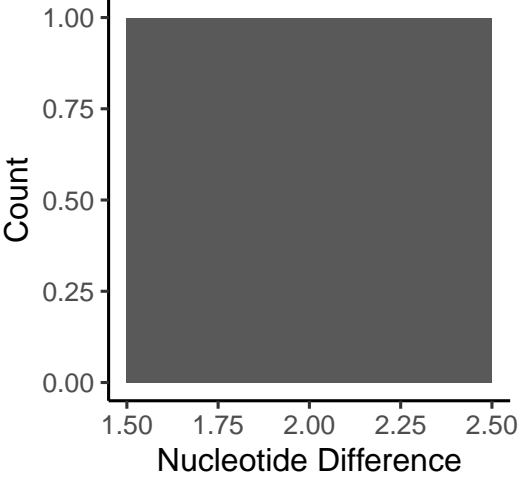
IGHV5–51*01

275 sequences assigned
35 (12.7%) exact matches, in which:
35 unique CDR3
5 unique J



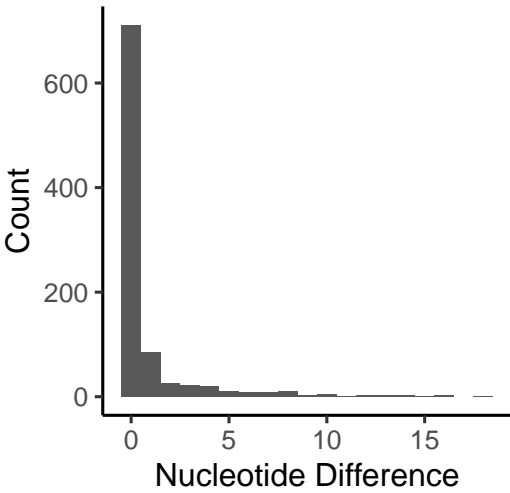
IGHV3/OR16–12*01

1 sequences assigned
No exact matches.



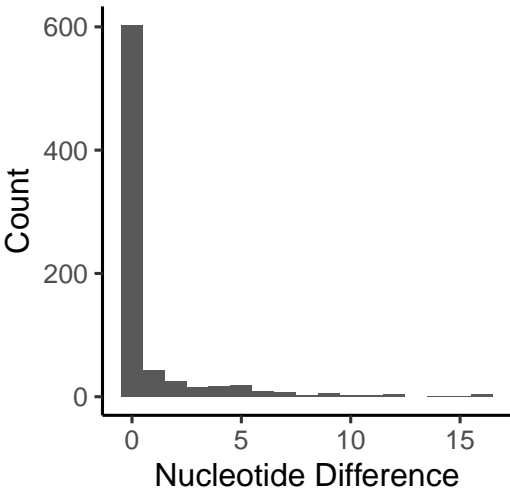
IGHV4–61*02

924 sequences assigned
711 (76.9%) exact matches, in which:
663 unique CDR3
6 unique J



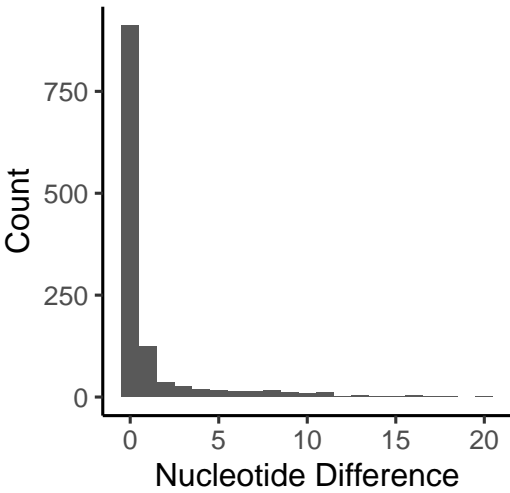
IGHV5–51*03

763 sequences assigned
603 (79%) exact matches, in which:
563 unique CDR3
6 unique J



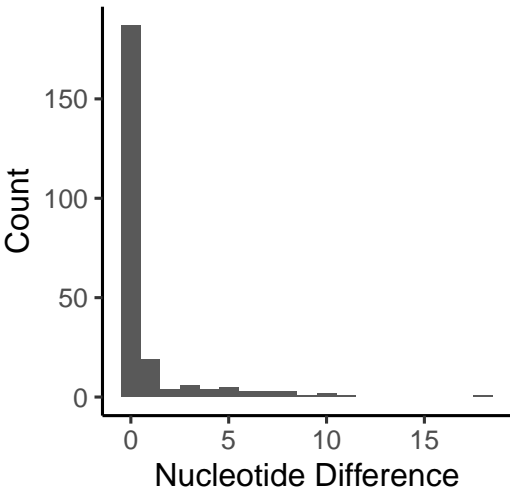
IGHV4–61*02_A234G

1223 sequences assigned
912 (74.6%) exact matches, in which:
854 unique CDR3
6 unique J



IGHV6–1*01

239 sequences assigned
187 (78.2%) exact matches, in which:
162 unique CDR3
6 unique J





Warning – no inferred sequences found.