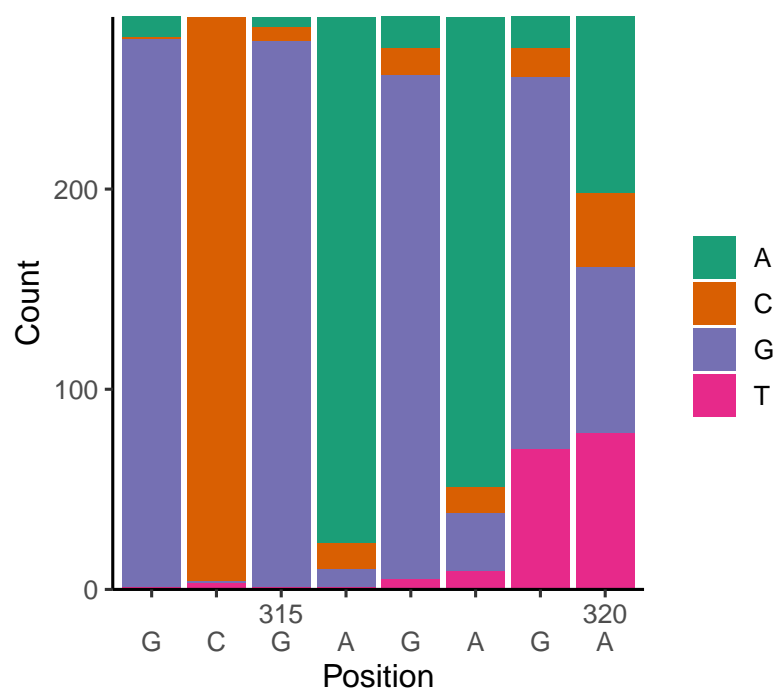
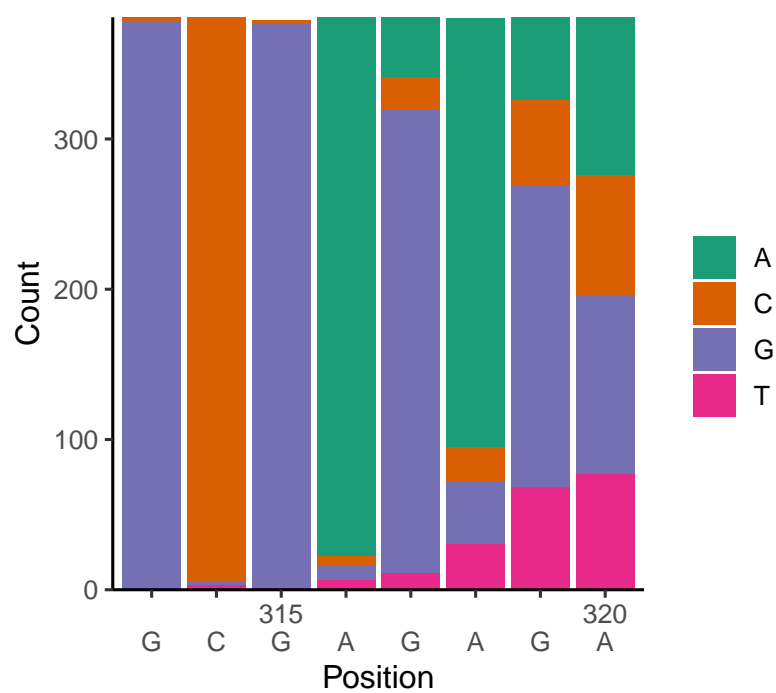


Gene IGHV1-2*02_T174C



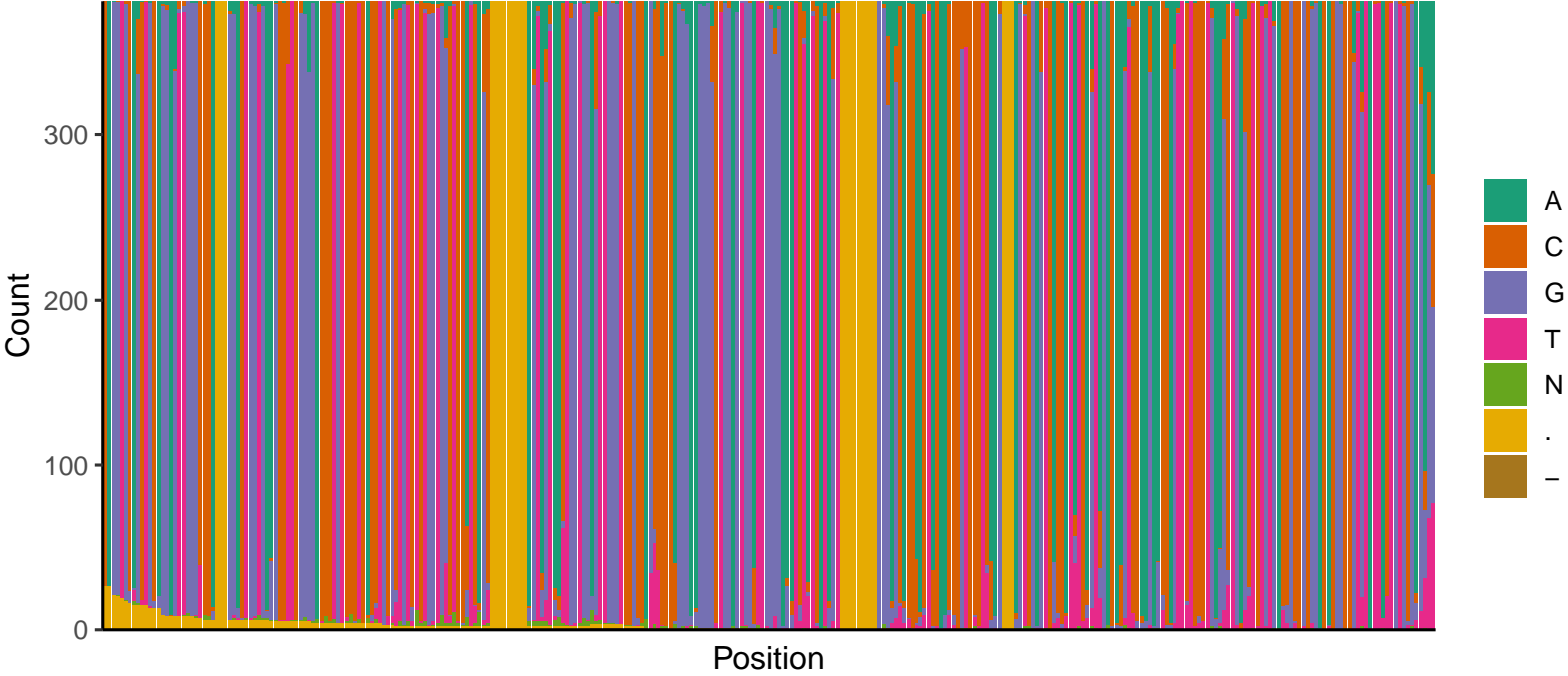
Gene IGHV4-4*02_C20T



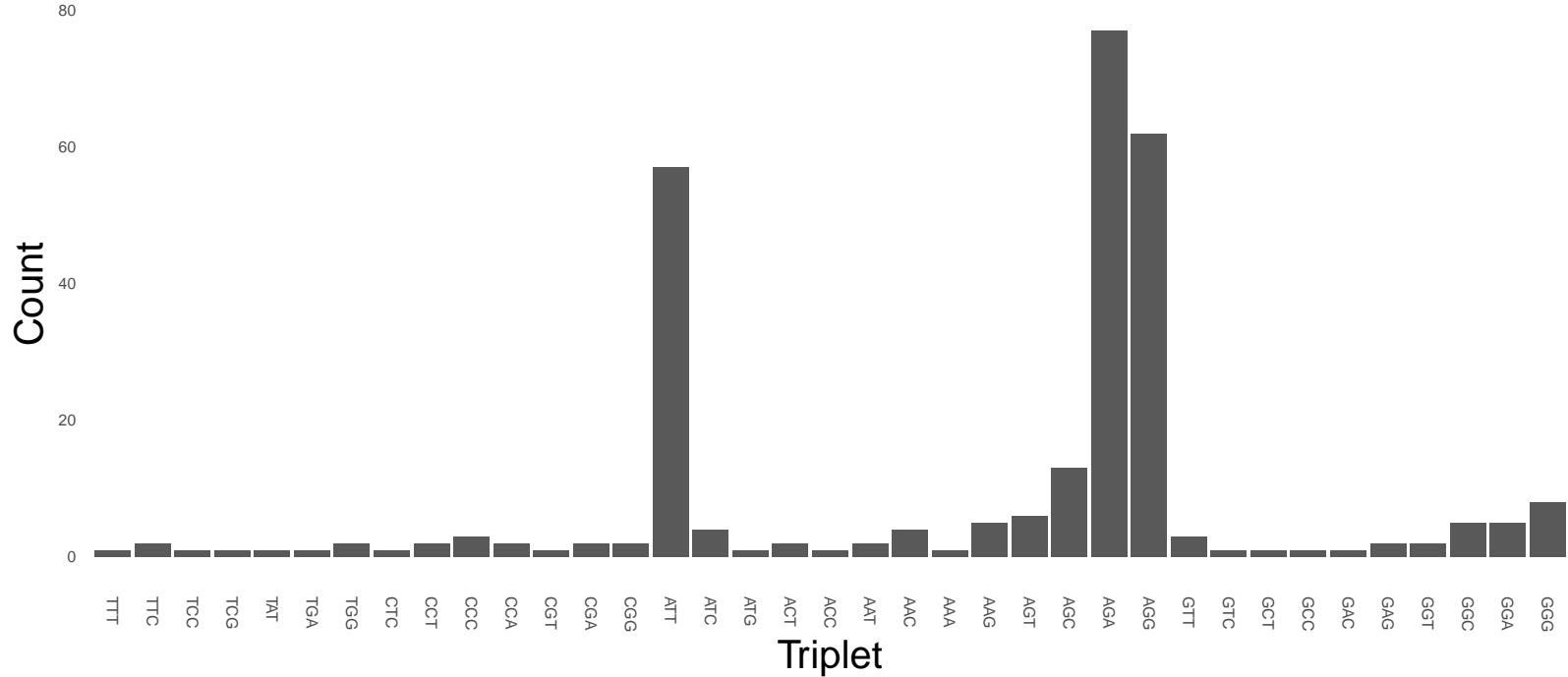
Gene IGHV1-2*02_T174C



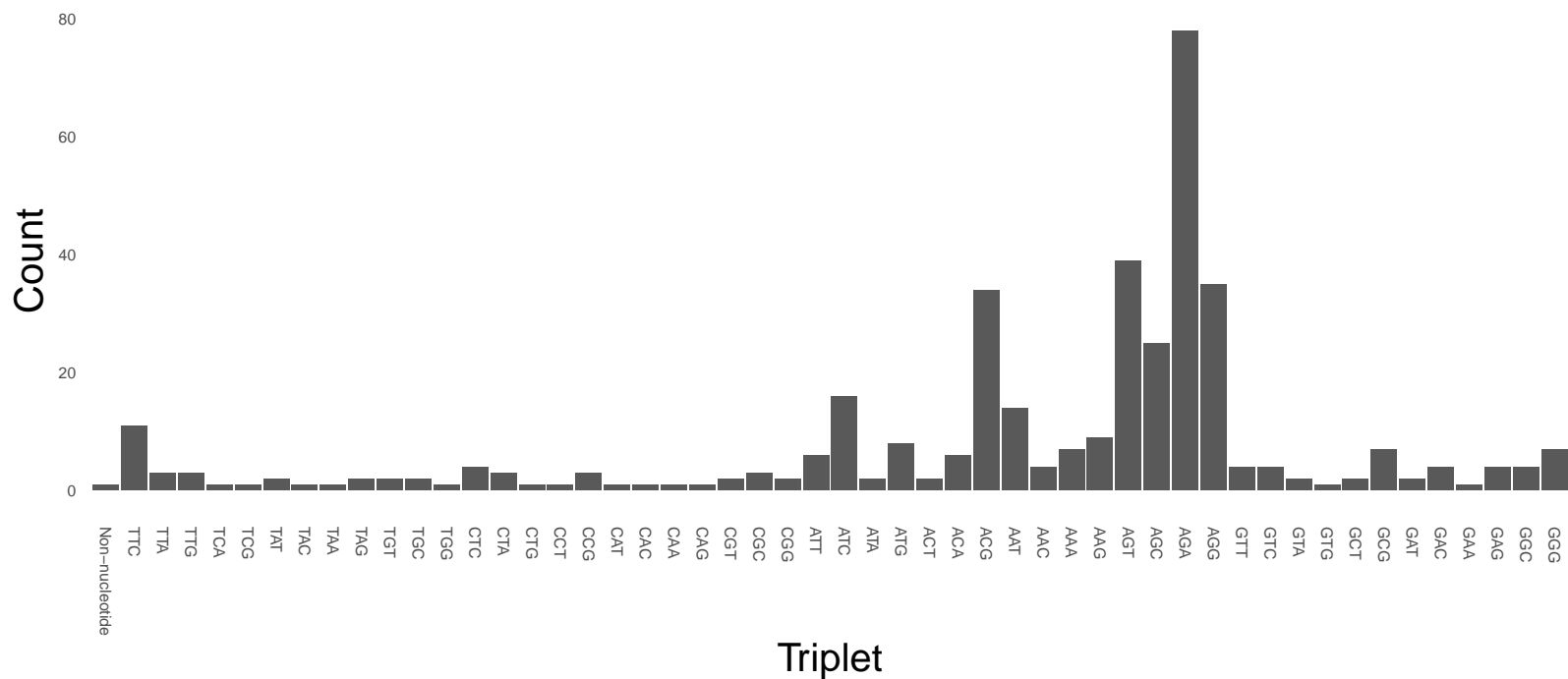
Gene IGHV4-4*02_C20T



IGHV1–2*02_T174C– Final 3 nucleotides as a triplet

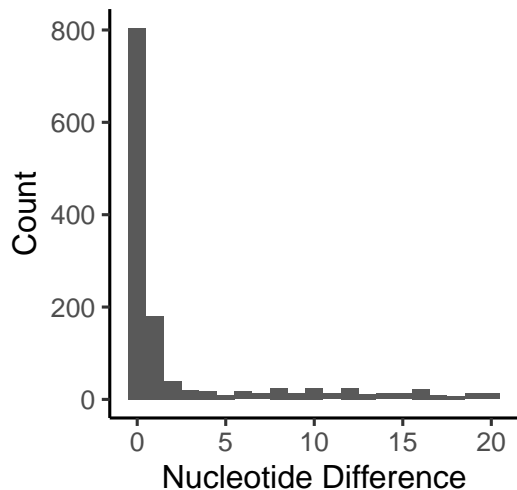


IGHV4–4*02_C20T– Final 3 nucleotides as a triplet



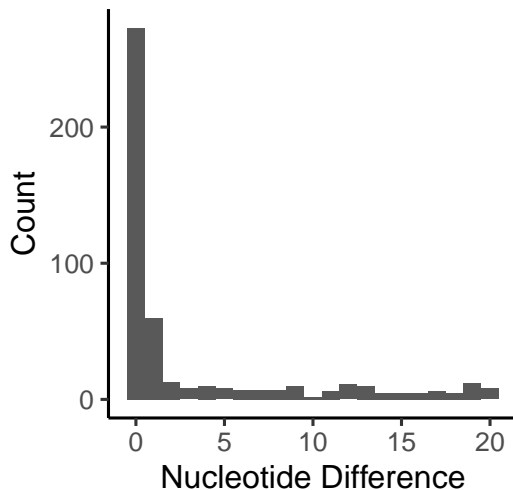
IGHV1-2*02

1458 sequences assigned
805 (55.2%) exact matches, in which:
804 unique CDR3
6 unique J



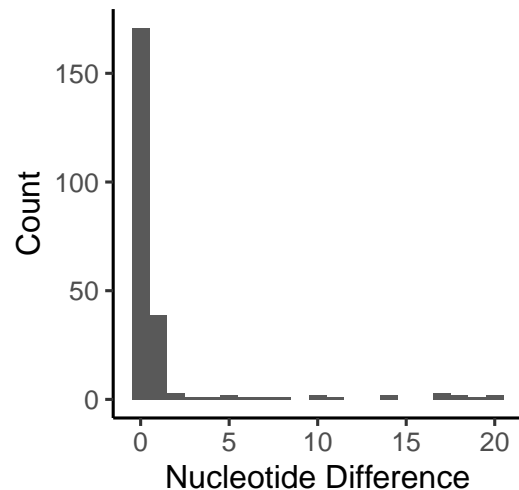
IGHV1-3*01

654 sequences assigned
273 (41.7%) exact matches, in which:
272 unique CDR3
6 unique J



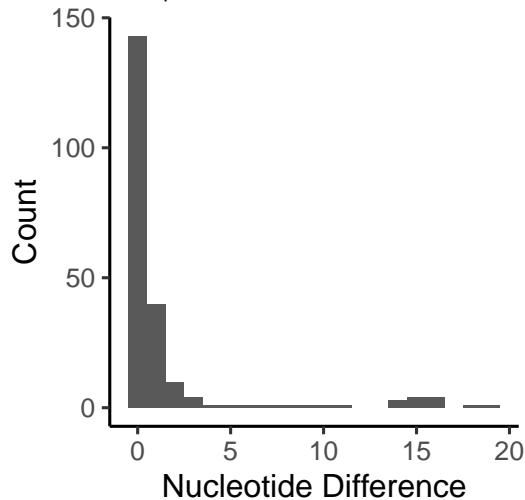
IGHV1-24*01

243 sequences assigned
171 (70.4%) exact matches, in which:
171 unique CDR3
7 unique J



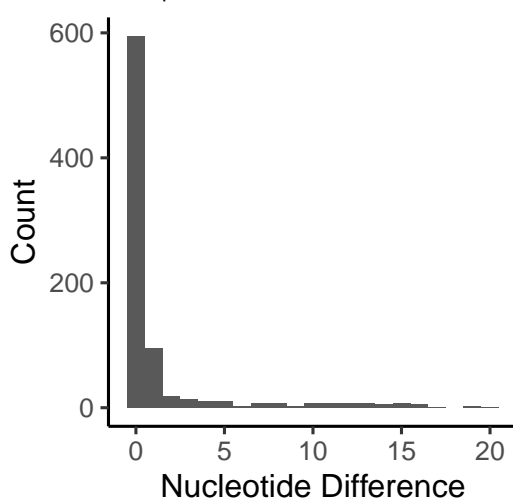
IGHV1-2*04

219 sequences assigned
143 (65.3%) exact matches, in which:
141 unique CDR3
6 unique J



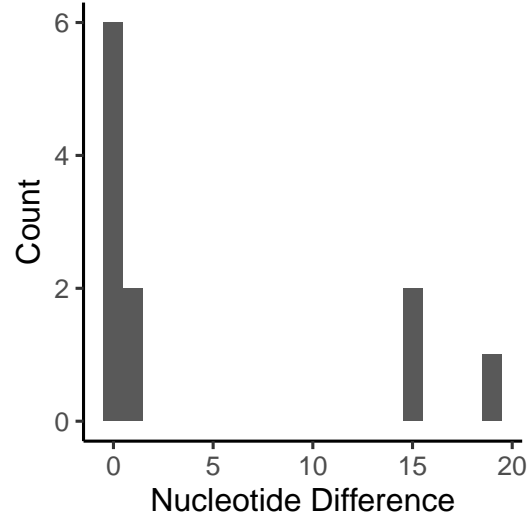
IGHV1-8*01

895 sequences assigned
595 (66.5%) exact matches, in which:
593 unique CDR3
7 unique J



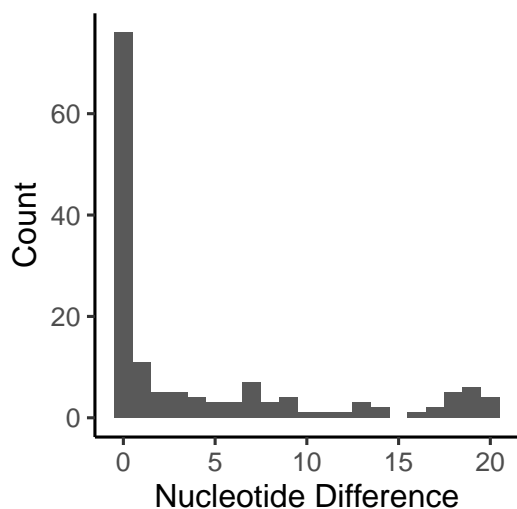
IGHV1-45*02

38 sequences assigned
6 (15.8%) exact matches, in which:
6 unique CDR3
3 unique J



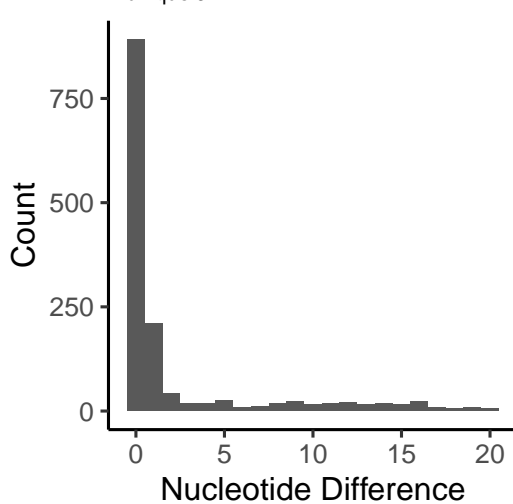
IGHV1-2*02_T174C

286 sequences assigned
76 (26.6%) exact matches, in which:
76 unique CDR3
6 unique J



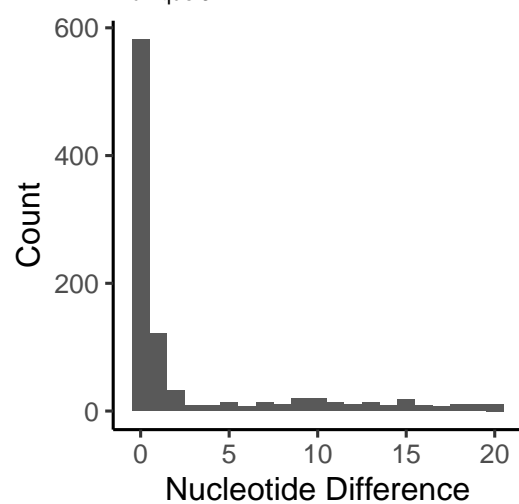
IGHV1-18*01

1602 sequences assigned
892 (55.7%) exact matches, in which:
889 unique CDR3
7 unique J



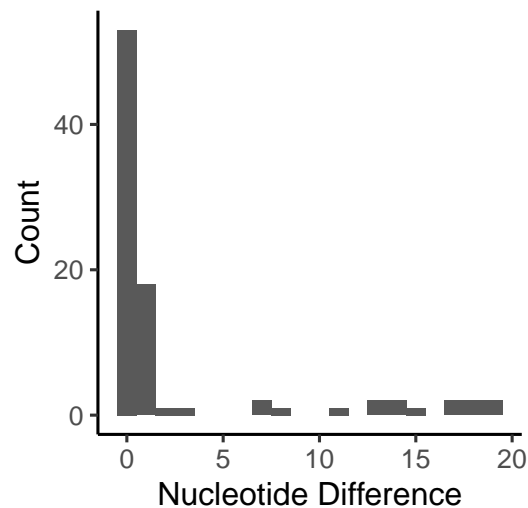
IGHV1-46*01

1151 sequences assigned
582 (50.6%) exact matches, in which:
579 unique CDR3
7 unique J



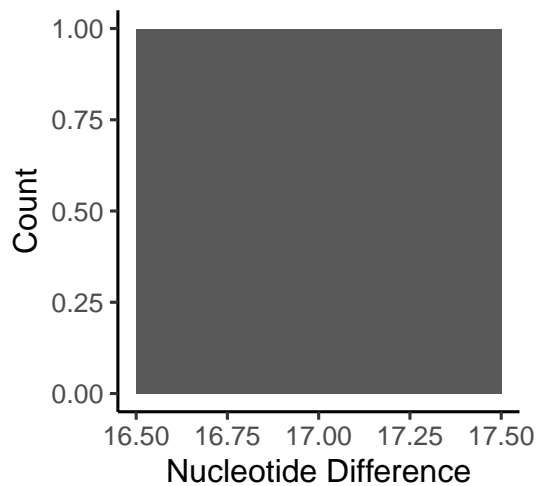
IGHV1-58*01

96 sequences assigned
53 (55.2%) exact matches, in which:
53 unique CDR3
5 unique J



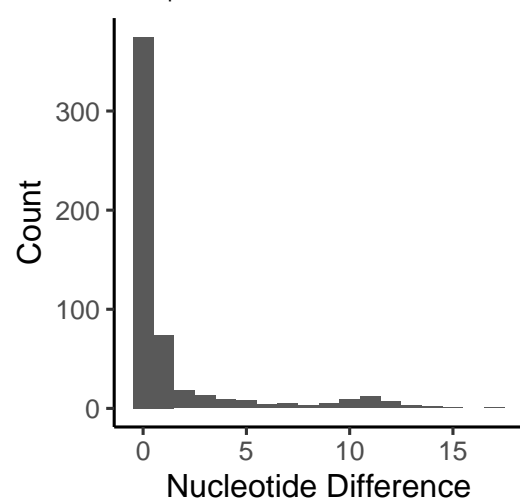
IGHV1-NL1*01

1 sequences assigned
No exact matches.



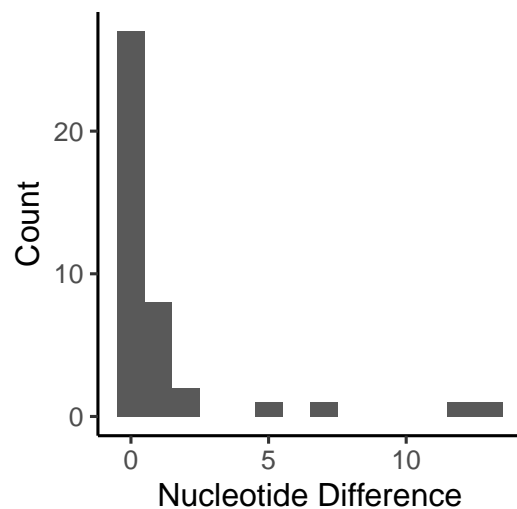
IGHV2-26*01

565 sequences assigned
375 (66.4%) exact matches, in which:
375 unique CDR3
7 unique J



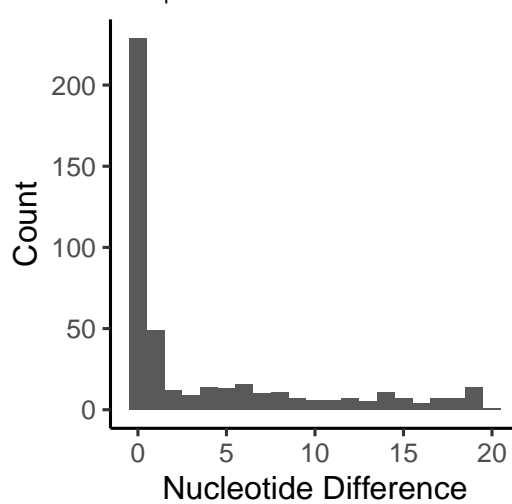
IGHV1-58*02

41 sequences assigned
27 (65.9%) exact matches, in which:
27 unique CDR3
5 unique J



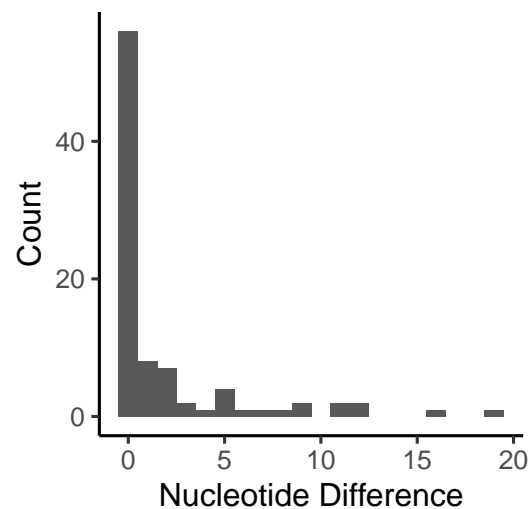
IGHV2-5*01

483 sequences assigned
229 (47.4%) exact matches, in which:
228 unique CDR3
6 unique J



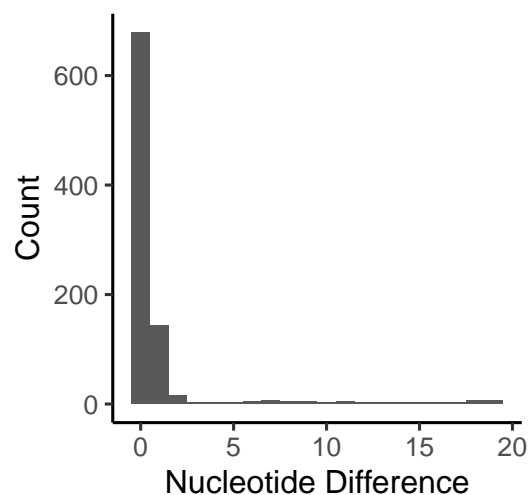
IGHV2-70*01

94 sequences assigned
56 (59.6%) exact matches, in which:
56 unique CDR3
5 unique J



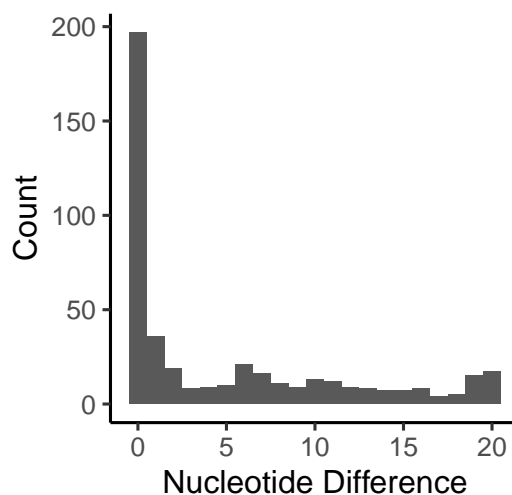
IGHV1-69*04

1118 sequences assigned
679 (60.7%) exact matches, in which:
675 unique CDR3
6 unique J



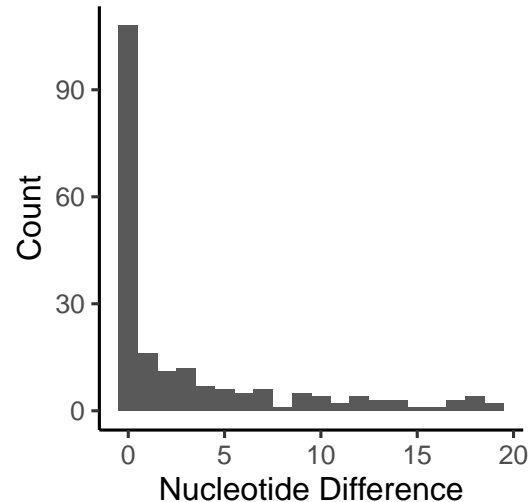
IGHV2-5*02

734 sequences assigned
197 (26.8%) exact matches, in which:
197 unique CDR3
6 unique J



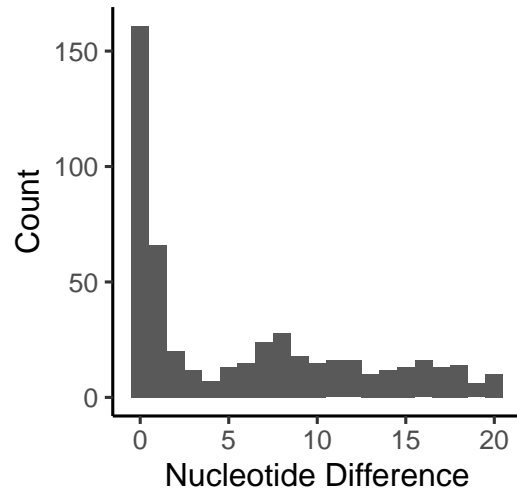
IGHV2-70*15

210 sequences assigned
108 (51.4%) exact matches, in which:
107 unique CDR3
5 unique J



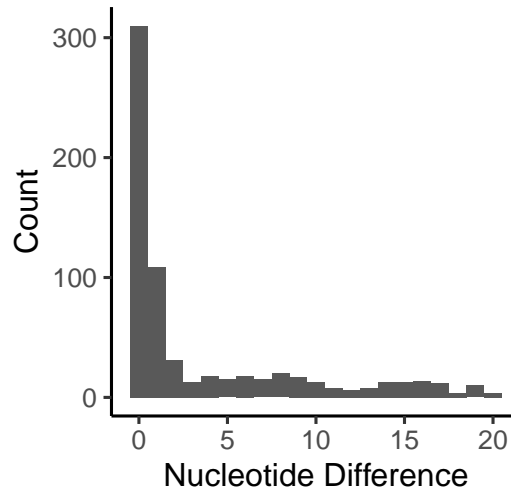
IGHV3-7*01

569 sequences assigned
161 (28.3%) exact matches, in which:
161 unique CDR3
6 unique J



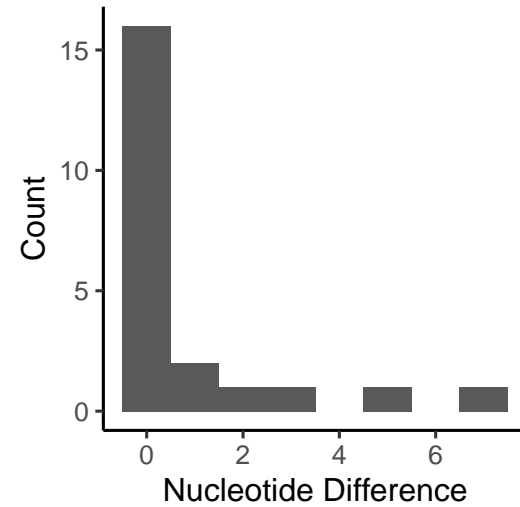
IGHV3-11*01

714 sequences assigned
310 (43.4%) exact matches, in which:
310 unique CDR3
7 unique J



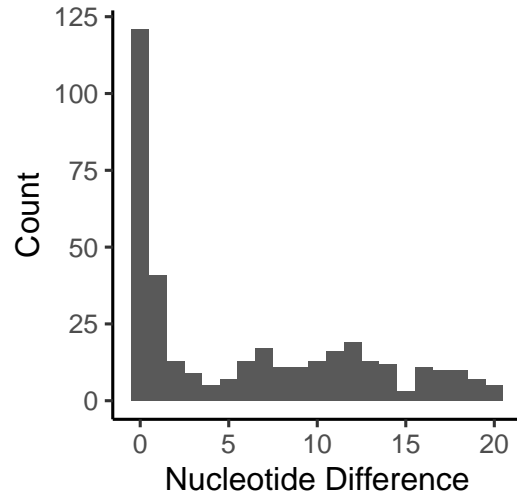
IGHV3-13*05

22 sequences assigned
16 (72.7%) exact matches, in which:
16 unique CDR3
6 unique J



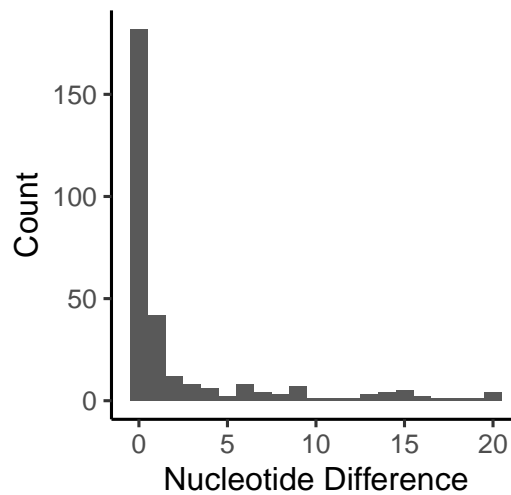
IGHV3-7*03

421 sequences assigned
121 (28.7%) exact matches, in which:
121 unique CDR3
5 unique J



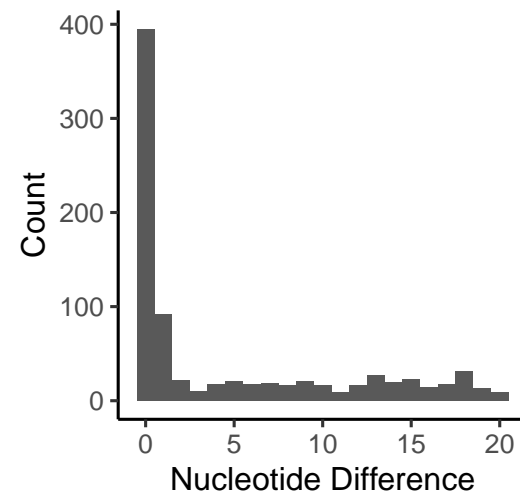
IGHV3-11*06

324 sequences assigned
182 (56.2%) exact matches, in which:
182 unique CDR3
6 unique J



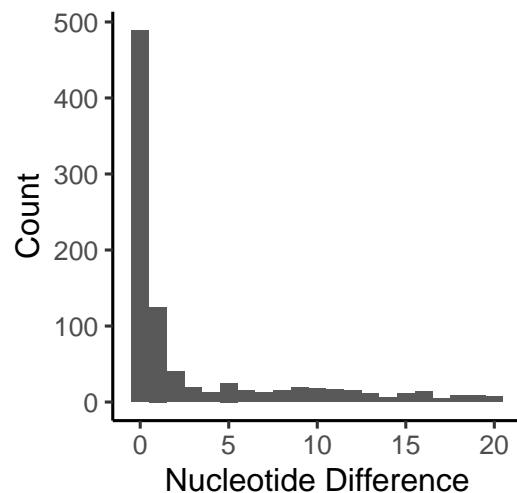
IGHV3-15*01

962 sequences assigned
395 (41.1%) exact matches, in which:
395 unique CDR3
7 unique J



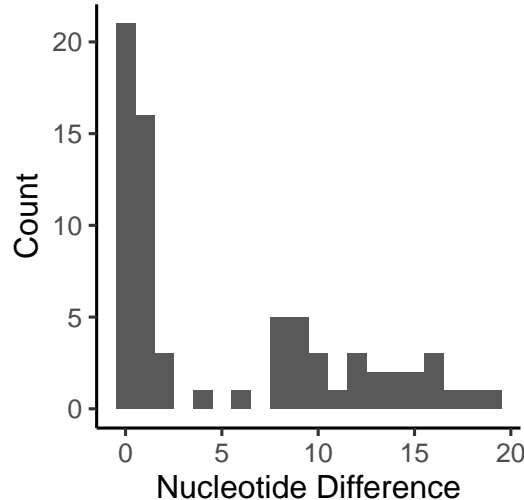
IGHV3-9*01

995 sequences assigned
489 (49.1%) exact matches, in which:
487 unique CDR3
6 unique J



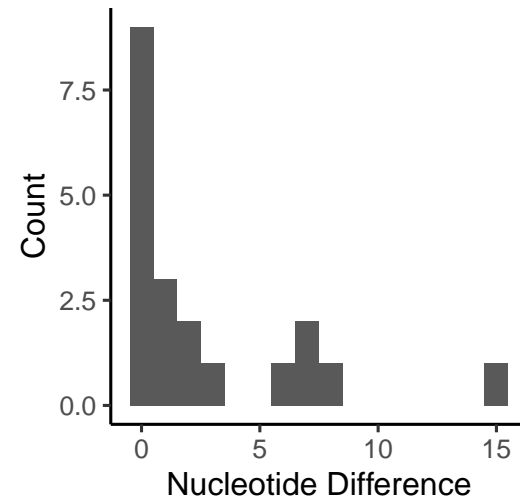
IGHV3-13*01

73 sequences assigned
21 (28.8%) exact matches, in which:
21 unique CDR3
5 unique J



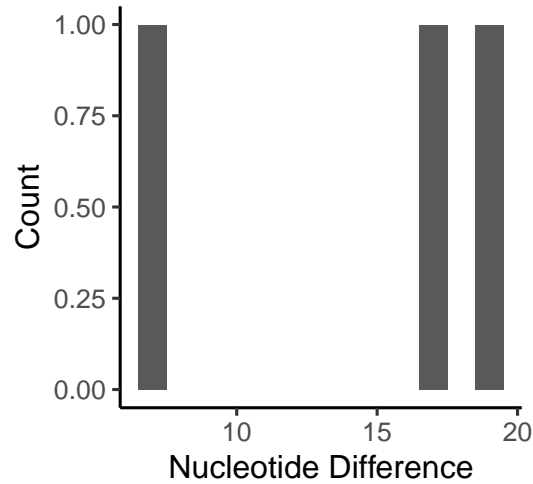
IGHV3-20*01

20 sequences assigned
9 (45%) exact matches, in which:
9 unique CDR3
3 unique J



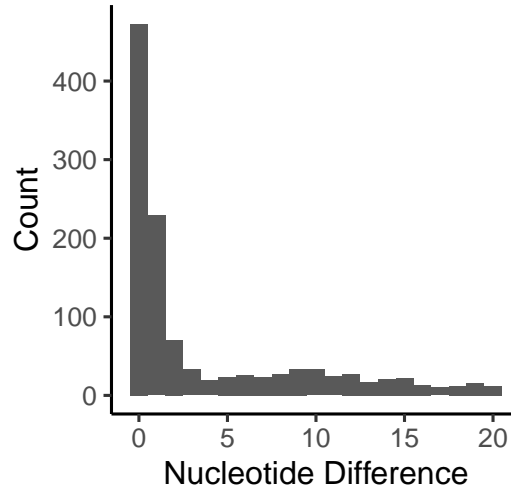
IGHV3–20*04

9 sequences assigned
No exact matches.



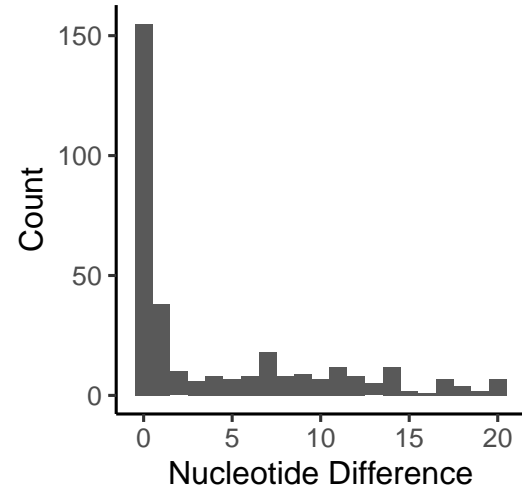
IGHV3–33*01

1359 sequences assigned
473 (34.8%) exact matches, in which:
473 unique CDR3
7 unique J



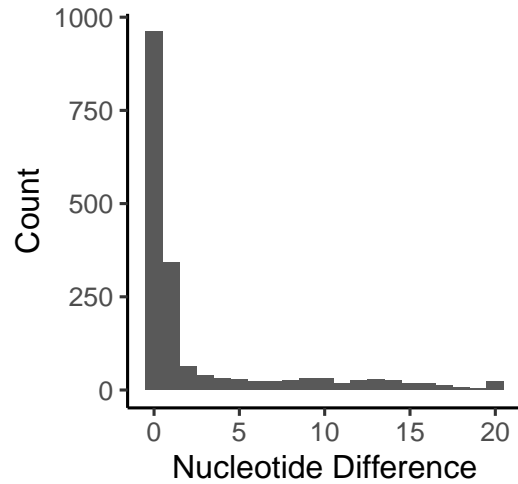
IGHV3–48*02

363 sequences assigned
155 (42.7%) exact matches, in which:
155 unique CDR3
6 unique J



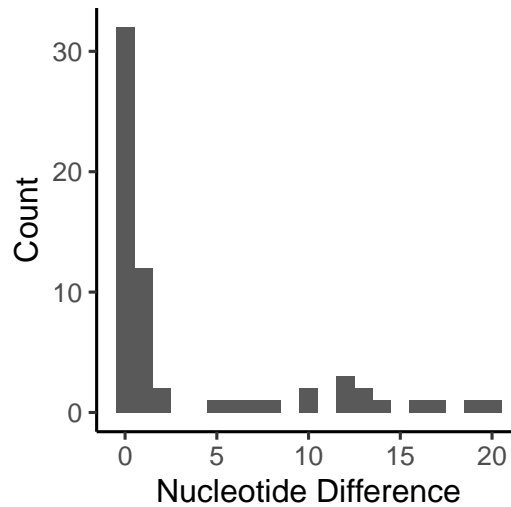
IGHV3–21*01

1895 sequences assigned
961 (50.7%) exact matches, in which:
957 unique CDR3
7 unique J



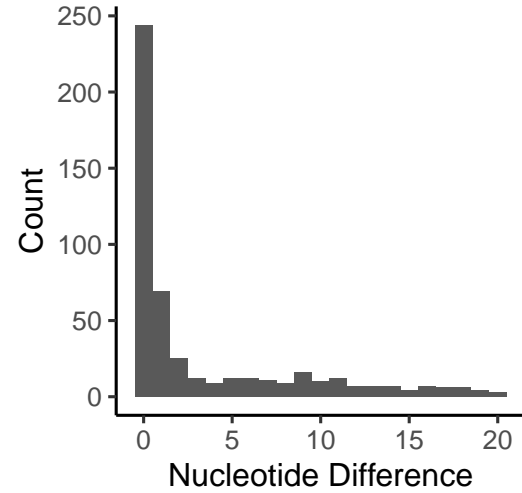
IGHV3–43*01

76 sequences assigned
32 (42.1%) exact matches, in which:
32 unique CDR3
5 unique J



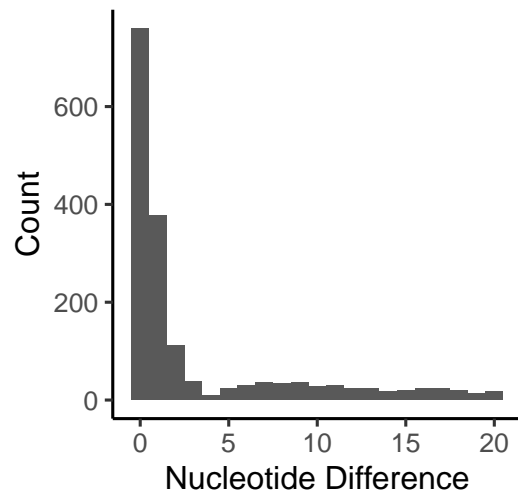
IGHV3–48*03

533 sequences assigned
244 (45.8%) exact matches, in which:
244 unique CDR3
6 unique J



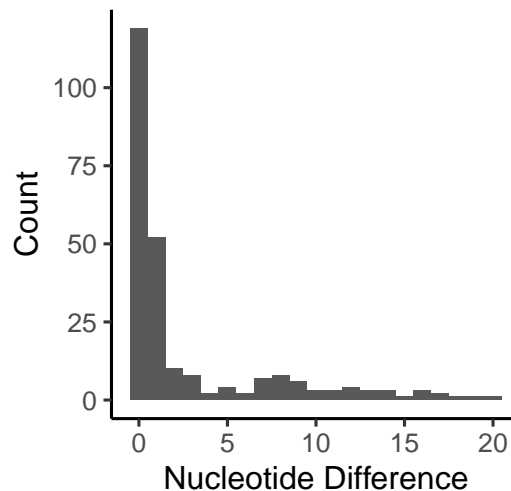
IGHV3–30–3*01

2594 sequences assigned
760 (29.3%) exact matches, in which:
758 unique CDR3
7 unique J



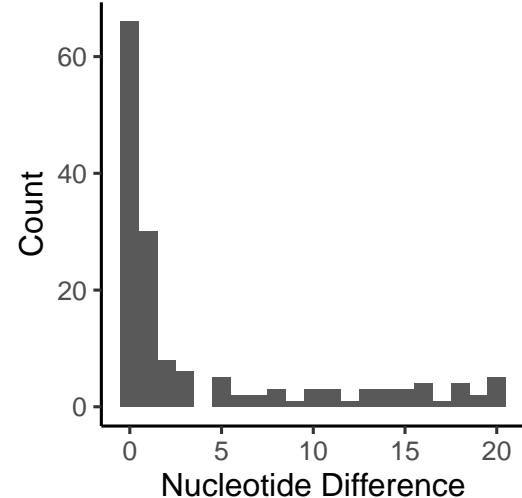
IGHV3–43*02

267 sequences assigned
119 (44.6%) exact matches, in which:
119 unique CDR3
6 unique J



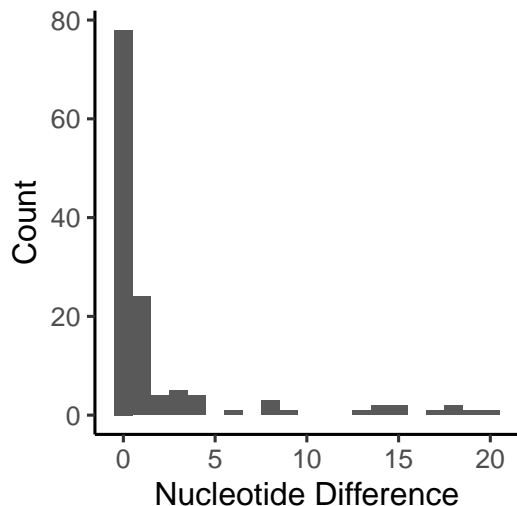
IGHV3–49*04

204 sequences assigned
66 (32.4%) exact matches, in which:
63 unique CDR3
5 unique J



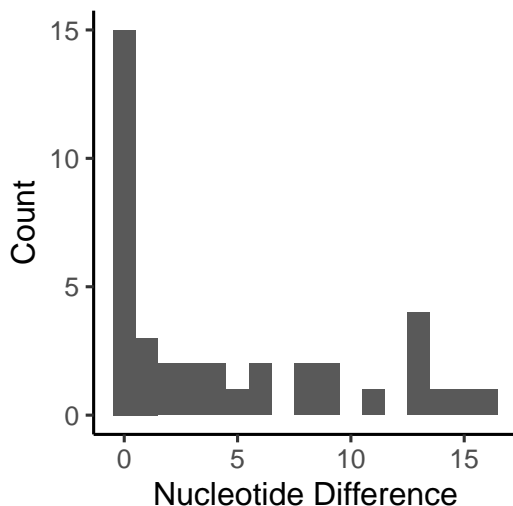
IGHV3-49*05

179 sequences assigned
78 (43.6%) exact matches, in which:
78 unique CDR3
6 unique J



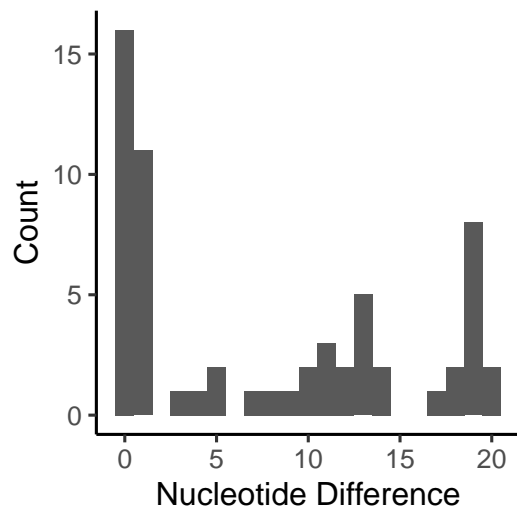
IGHV3-64*01

54 sequences assigned
15 (27.8%) exact matches, in which:
15 unique CDR3
3 unique J



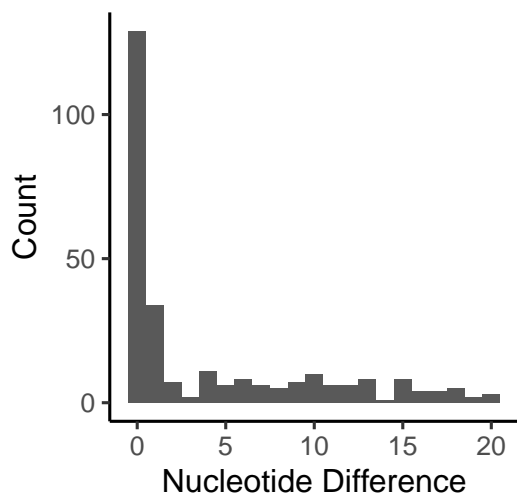
IGHV3-73*01

86 sequences assigned
16 (18.6%) exact matches, in which:
16 unique CDR3
4 unique J



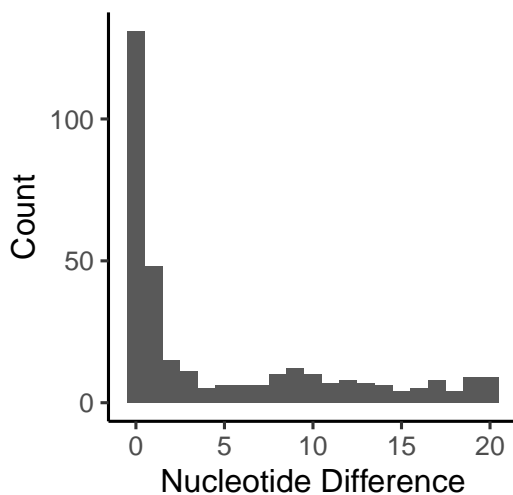
IGHV3-53*01

358 sequences assigned
129 (36%) exact matches, in which:
129 unique CDR3
6 unique J



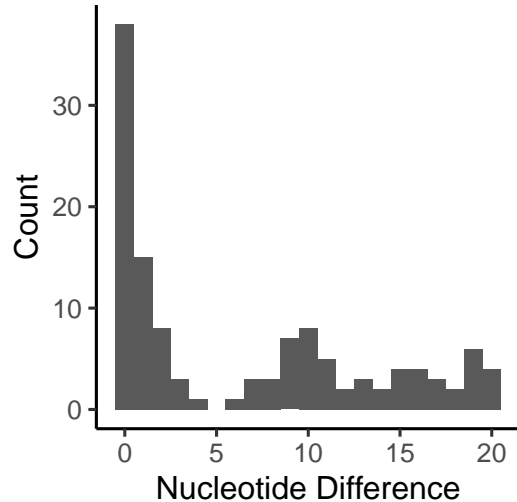
IGHV3-66*01

360 sequences assigned
131 (36.4%) exact matches, in which:
130 unique CDR3
6 unique J



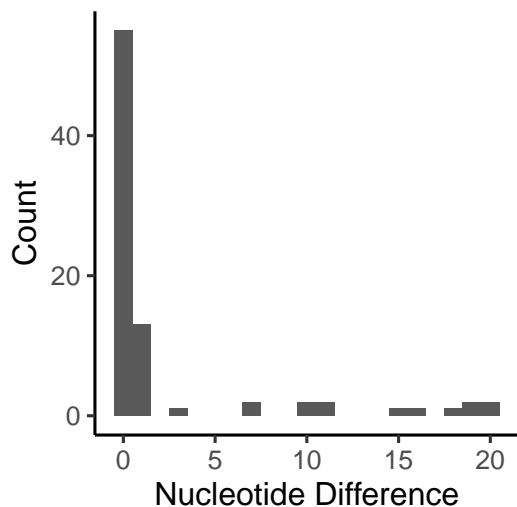
IGHV3-73*02

139 sequences assigned
38 (27.3%) exact matches, in which:
38 unique CDR3
5 unique J



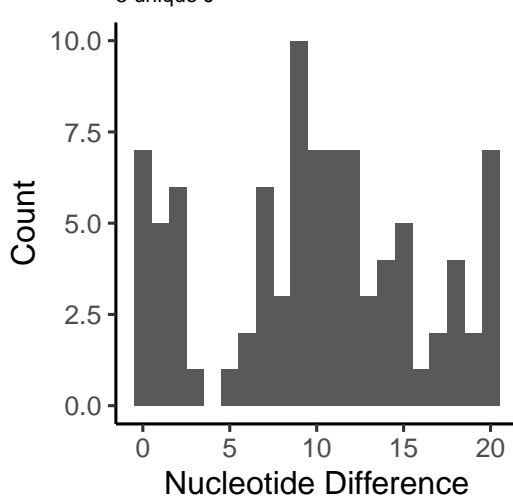
IGHV3-53*04

83 sequences assigned
55 (66.3%) exact matches, in which:
55 unique CDR3
5 unique J



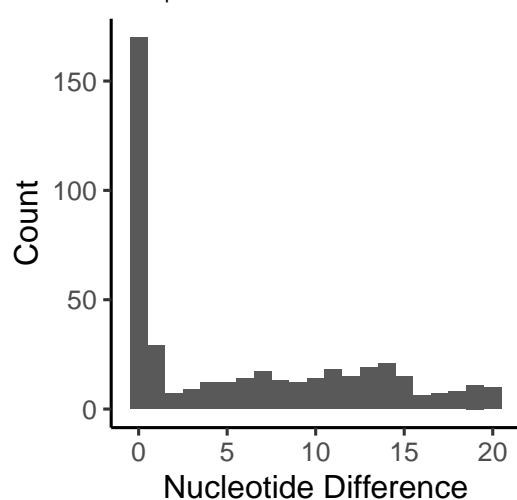
IGHV3-72*01

108 sequences assigned
7 (6.5%) exact matches, in which:
7 unique CDR3
3 unique J



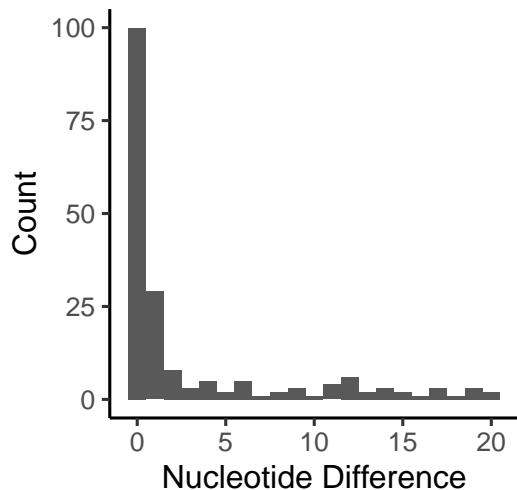
IGHV3-74*01

529 sequences assigned
170 (32.1%) exact matches, in which:
168 unique CDR3
7 unique J



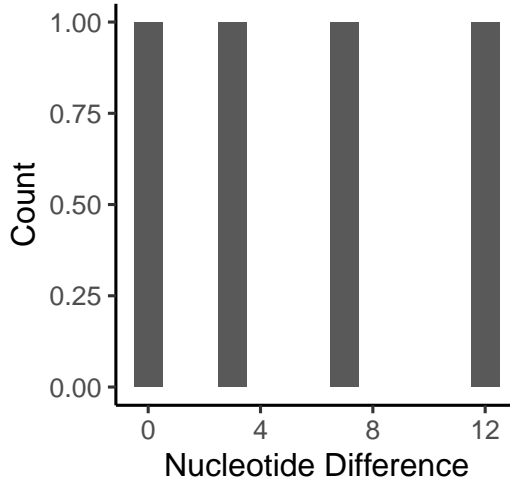
IGHV3–64D*06

208 sequences assigned
100 (48.1%) exact matches, in which:
100 unique CDR3
6 unique J



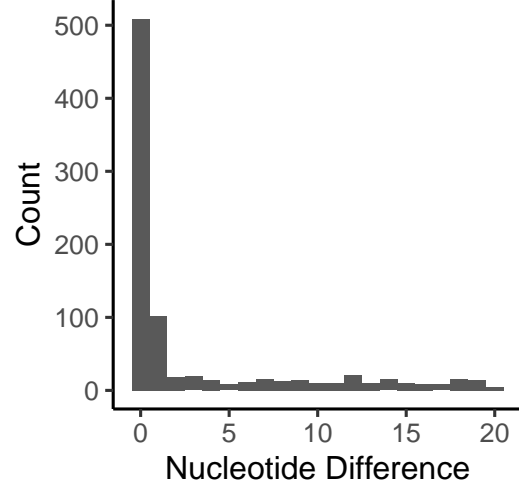
IGHV4–28*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



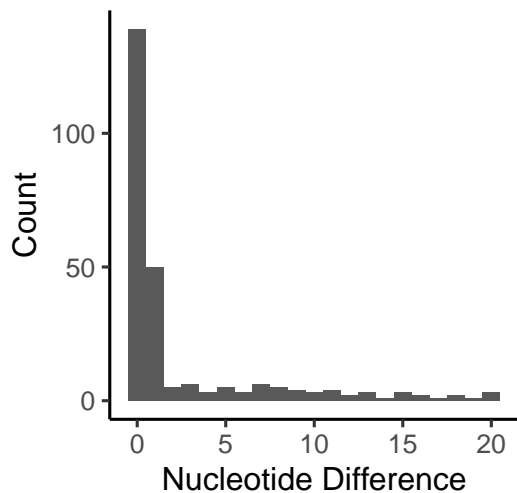
IGHV4–31*03

970 sequences assigned
509 (52.5%) exact matches, in which:
508 unique CDR3
7 unique J



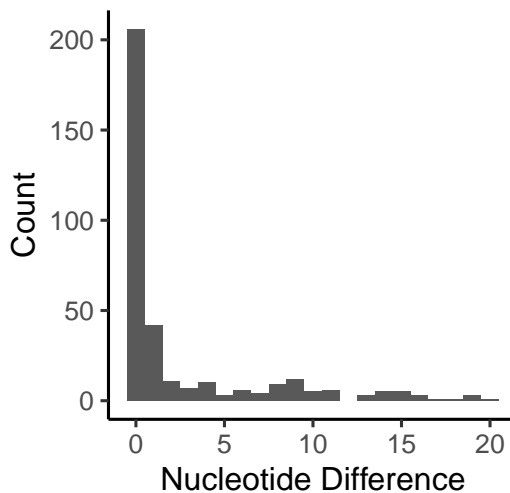
IGHV4–4*07

275 sequences assigned
139 (50.5%) exact matches, in which:
139 unique CDR3
5 unique J



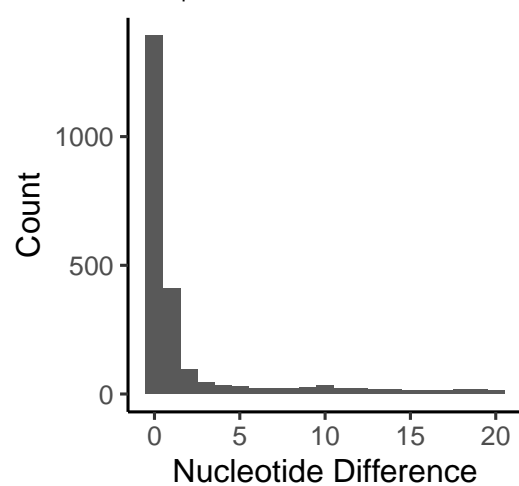
IGHV4–30–4*01

385 sequences assigned
206 (53.5%) exact matches, in which:
206 unique CDR3
5 unique J



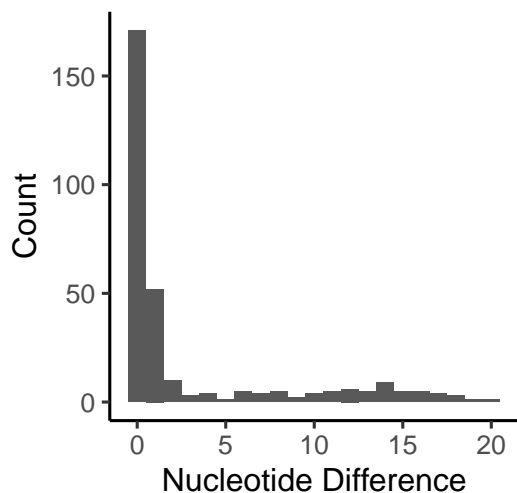
IGHV4–34*01

2567 sequences assigned
1392 (54.2%) exact matches, in which:
1387 unique CDR3
7 unique J



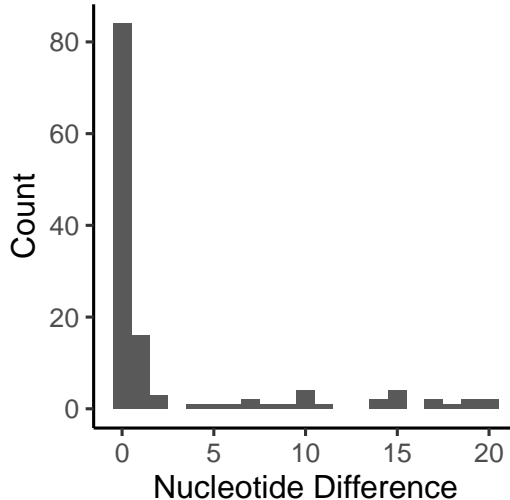
IGHV4–4*02_C20T

381 sequences assigned
171 (44.9%) exact matches, in which:
171 unique CDR3
6 unique J



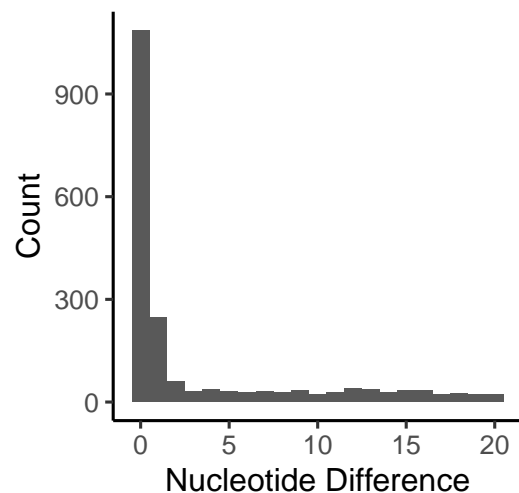
IGHV4–30–2*01

138 sequences assigned
84 (60.9%) exact matches, in which:
84 unique CDR3
6 unique J



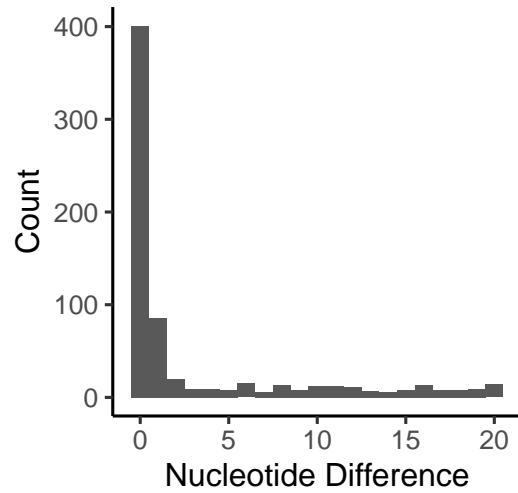
IGHV4–39*01

2279 sequences assigned
1086 (47.7%) exact matches, in which:
1084 unique CDR3
7 unique J



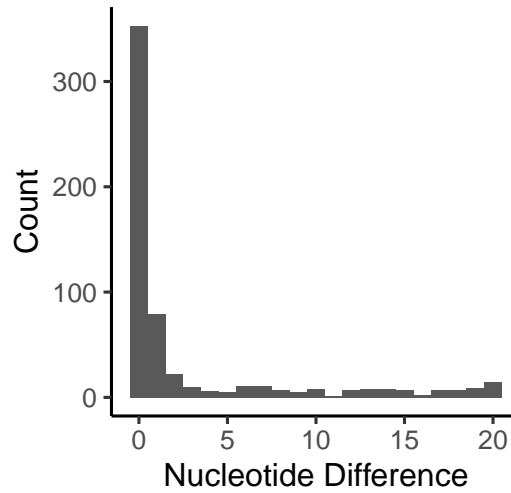
IGHV4–59*01

801 sequences assigned
401 (50.1%) exact matches, in which:
399 unique CDR3
7 unique J



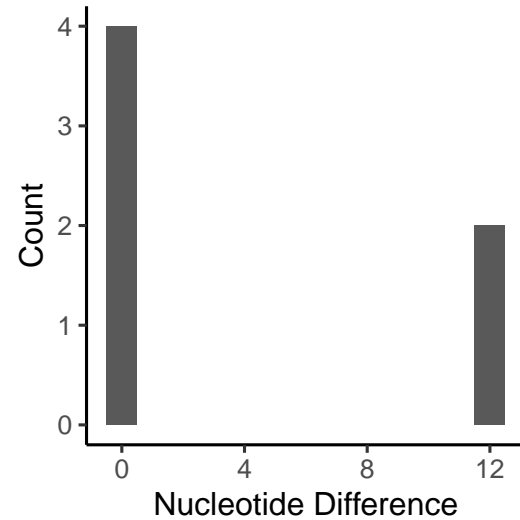
IGHV5–10–1*03

679 sequences assigned
353 (52%) exact matches, in which:
352 unique CDR3
6 unique J



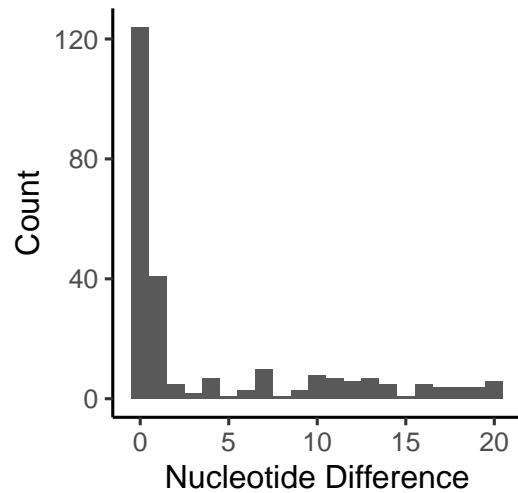
IGHV7–4–1*01

6 sequences assigned
4 (66.7%) exact matches, in which:
4 unique CDR3
3 unique J



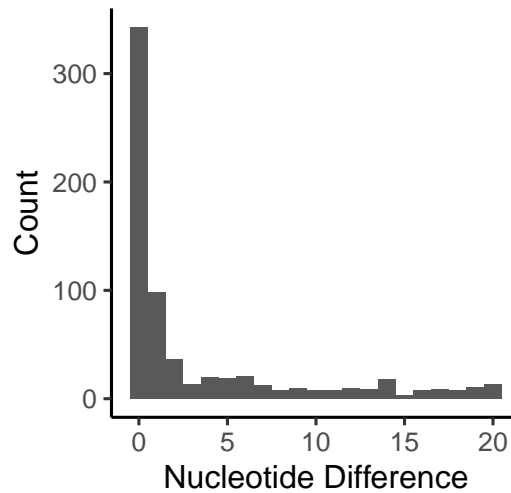
IGHV4–59*08

298 sequences assigned
124 (41.6%) exact matches, in which:
122 unique CDR3
6 unique J



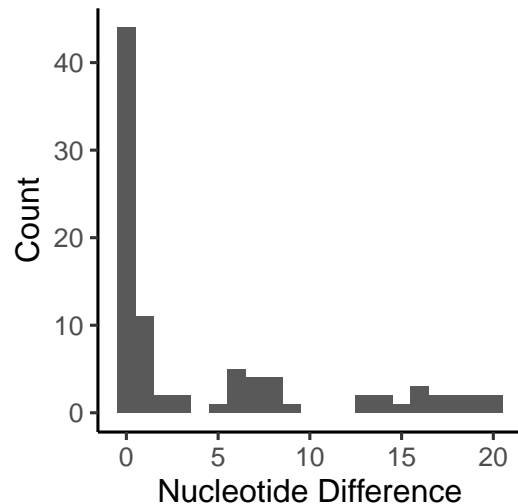
IGHV5–51*01

818 sequences assigned
343 (41.9%) exact matches, in which:
343 unique CDR3
6 unique J



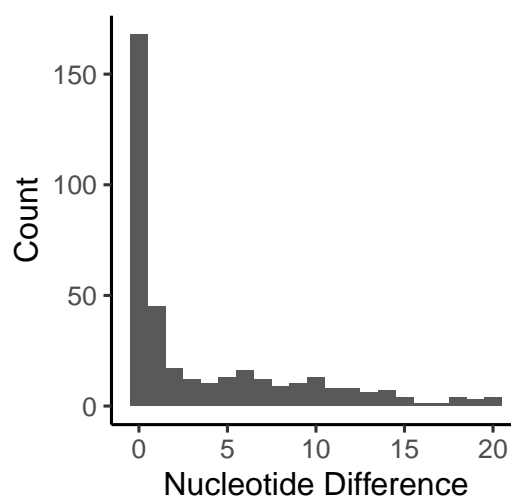
IGHV4–61*01

106 sequences assigned
44 (41.5%) exact matches, in which:
44 unique CDR3
5 unique J

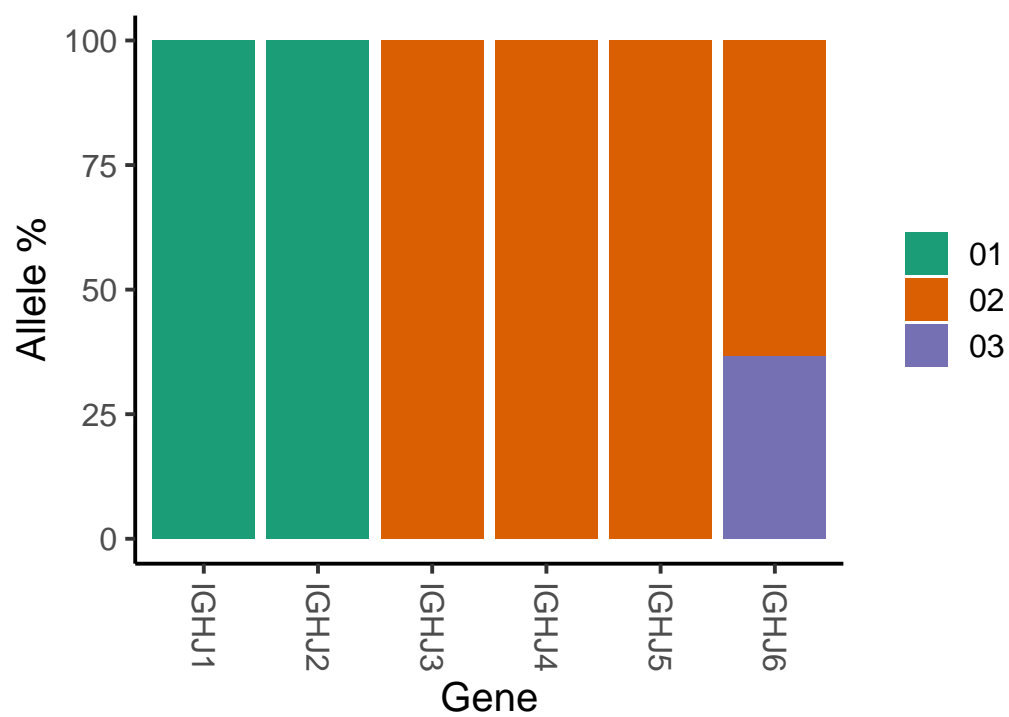


IGHV6–1*01

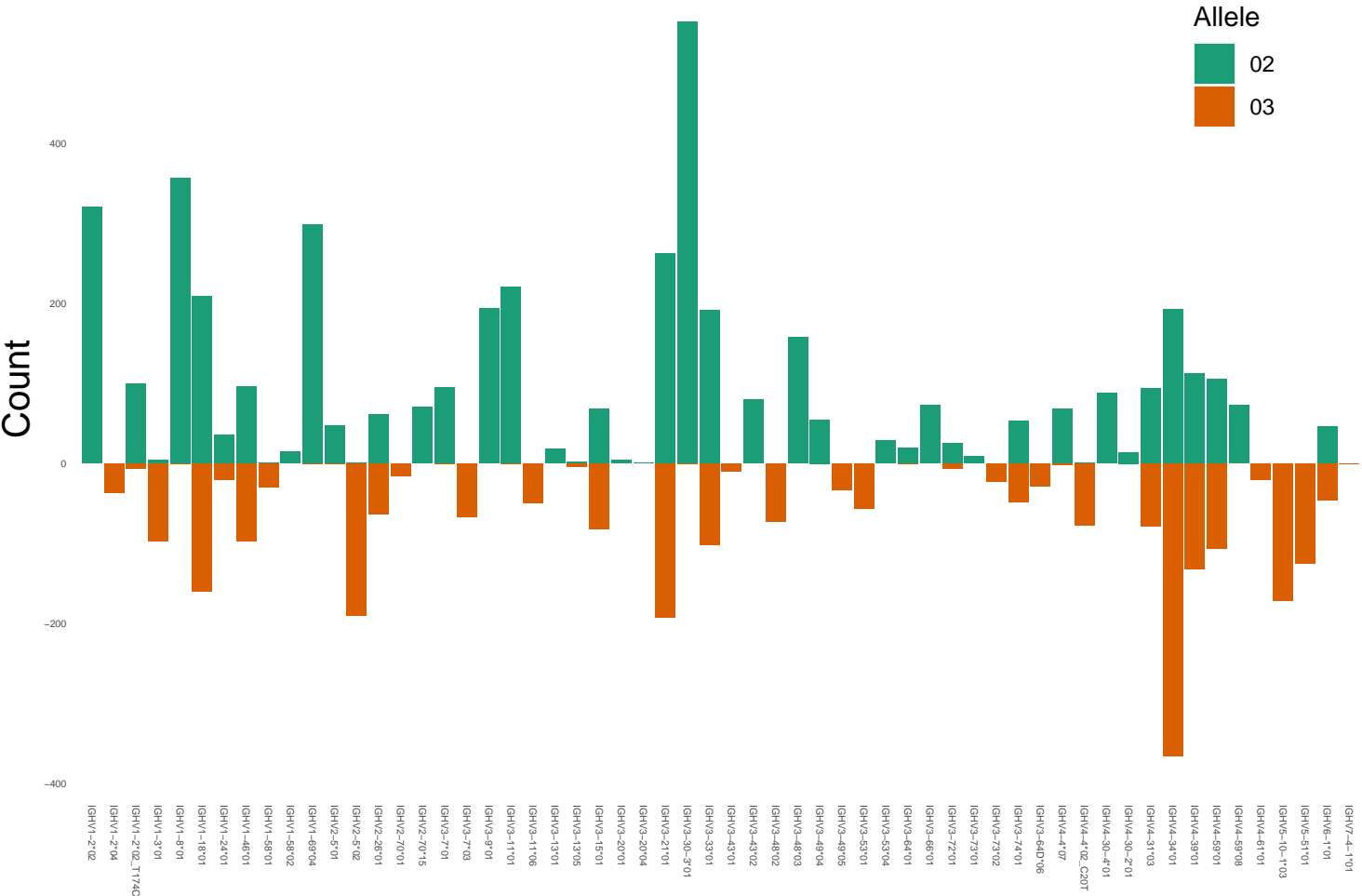
388 sequences assigned
168 (43.3%) exact matches, in which:
168 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.