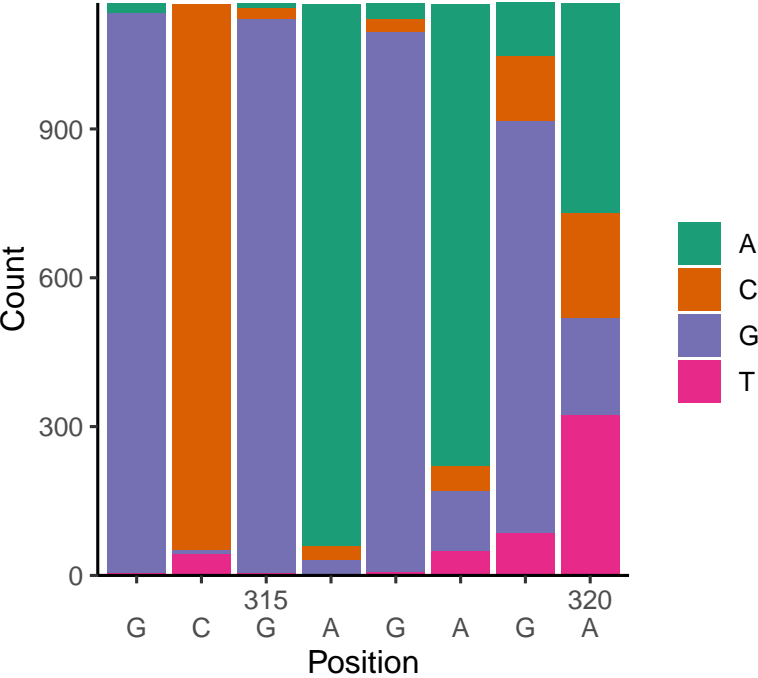
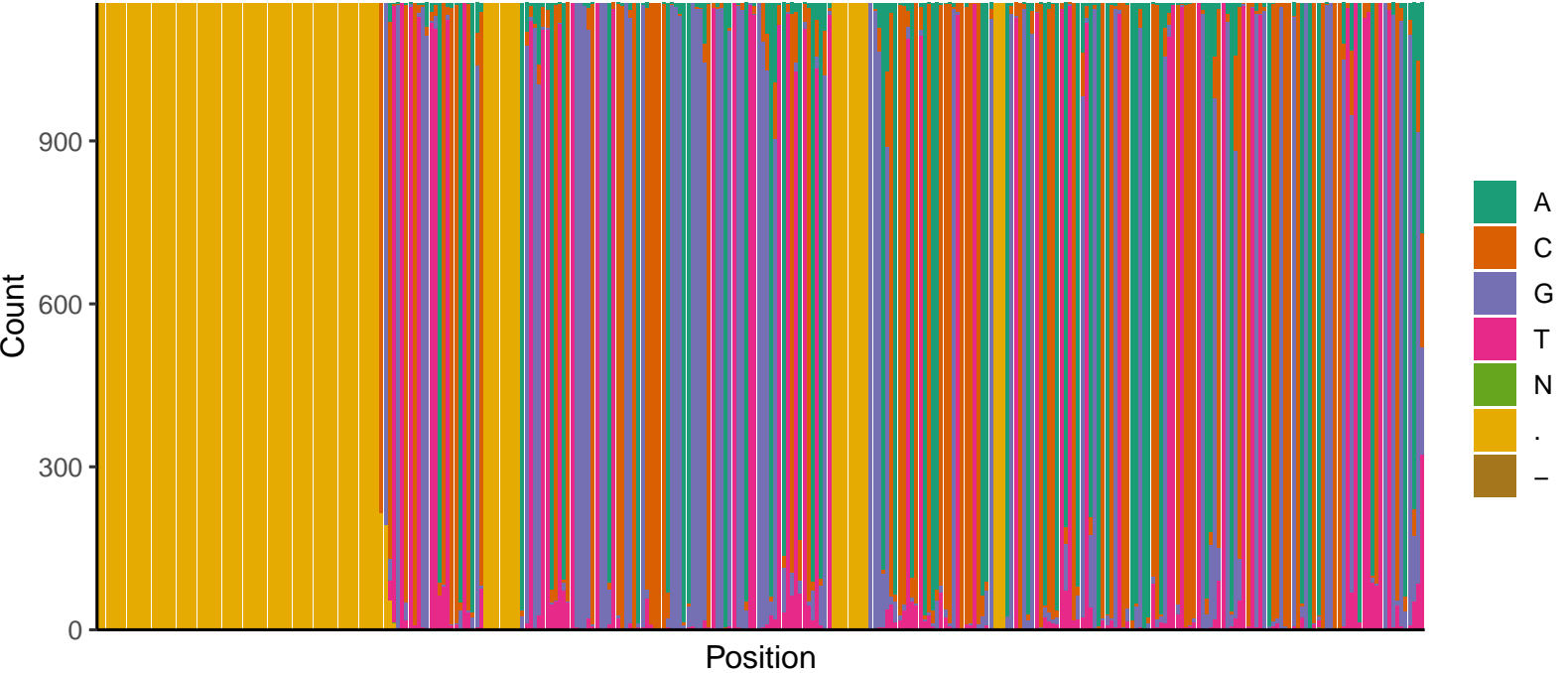


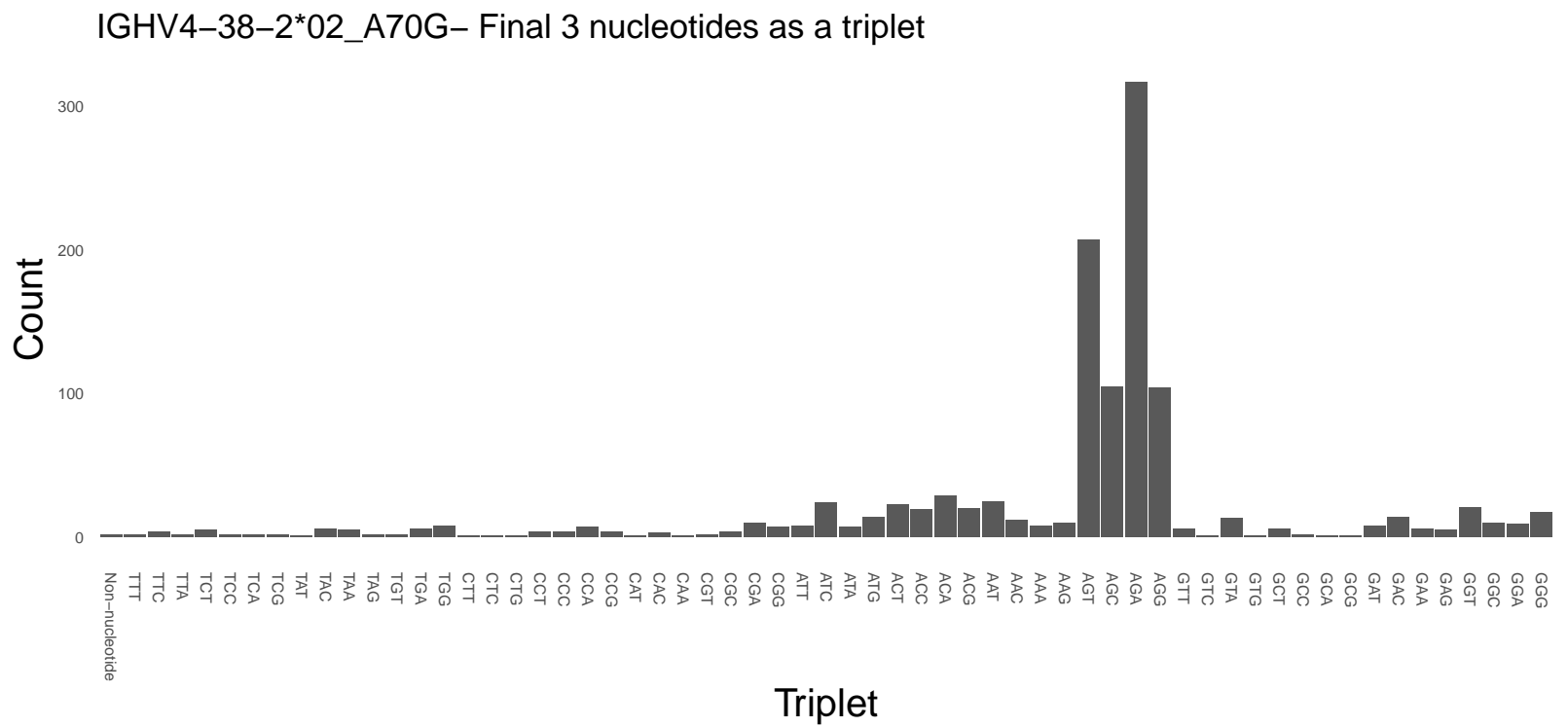
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

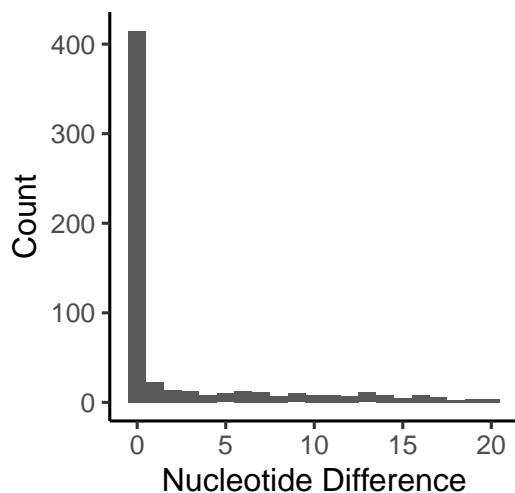


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



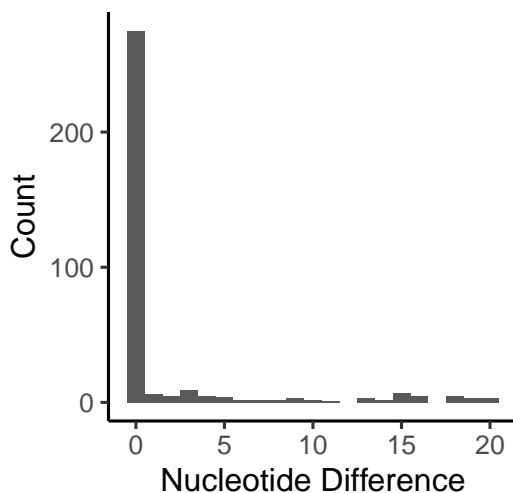
IGHV1-2*04

634 sequences assigned
415 (65.5%) exact matches, in which:
413 unique CDR3
6 unique J



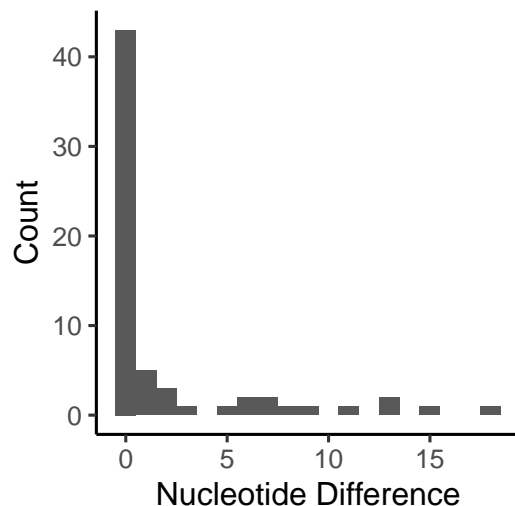
IGHV1-24*01

354 sequences assigned
275 (77.7%) exact matches, in which:
275 unique CDR3
7 unique J



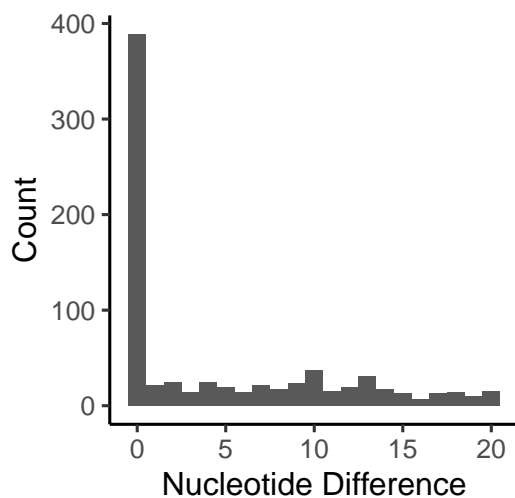
IGHV1-58*02

71 sequences assigned
43 (60.6%) exact matches, in which:
43 unique CDR3
5 unique J



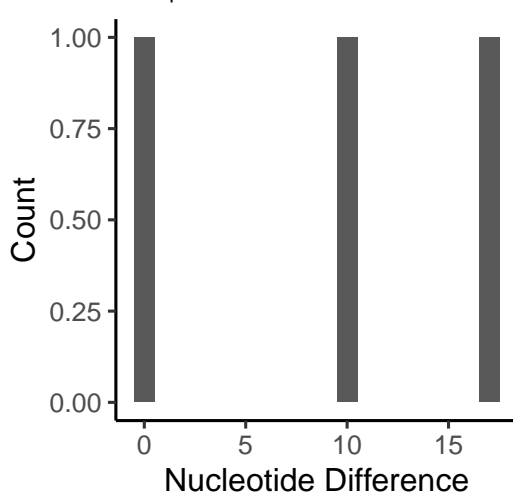
IGHV1-3*01_05

846 sequences assigned
389 (46%) exact matches, in which:
388 unique CDR3
7 unique J



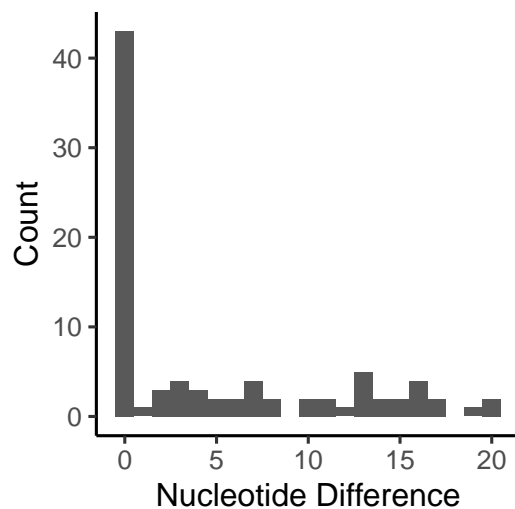
IGHV1-45*02

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



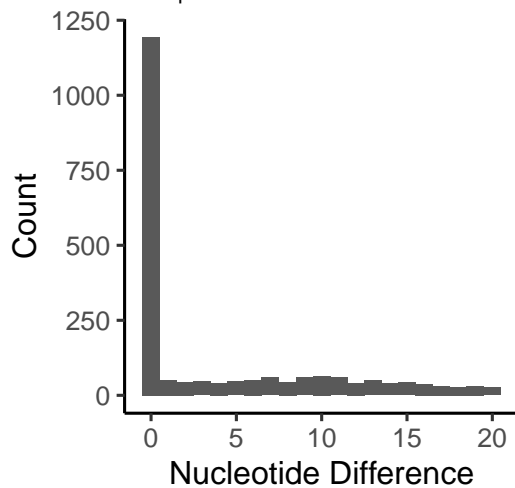
IGHV1-58*01_03

97 sequences assigned
43 (44.3%) exact matches, in which:
43 unique CDR3
4 unique J



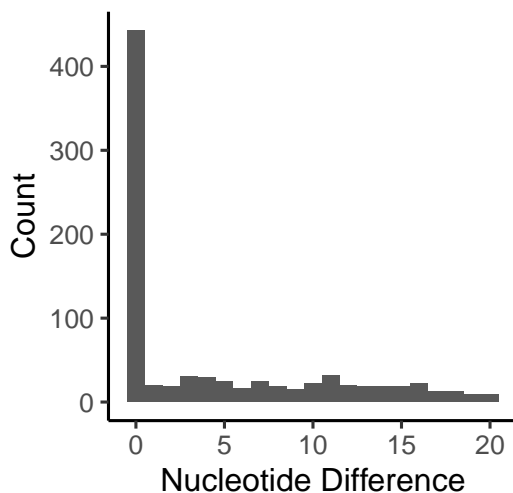
IGHV1-18*01

2250 sequences assigned
1194 (53.1%) exact matches, in which:
1192 unique CDR3
7 unique J



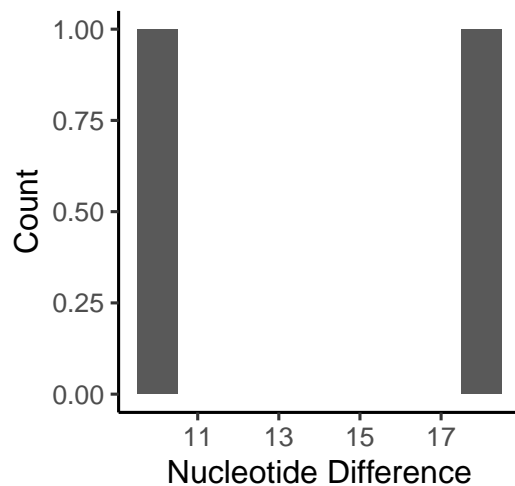
IGHV1-46*01

904 sequences assigned
443 (49%) exact matches, in which:
442 unique CDR3
7 unique J



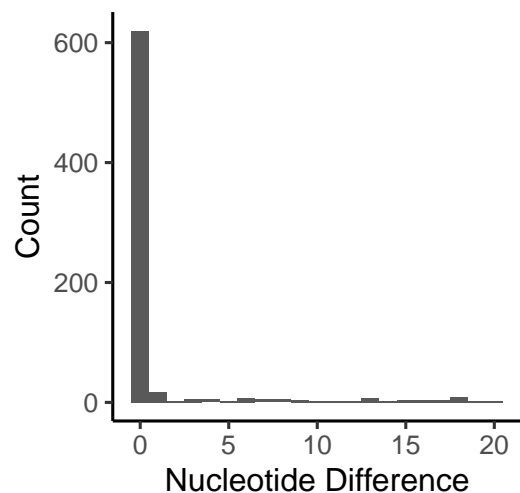
IGHV1-69-2*01

2 sequences assigned
No exact matches.



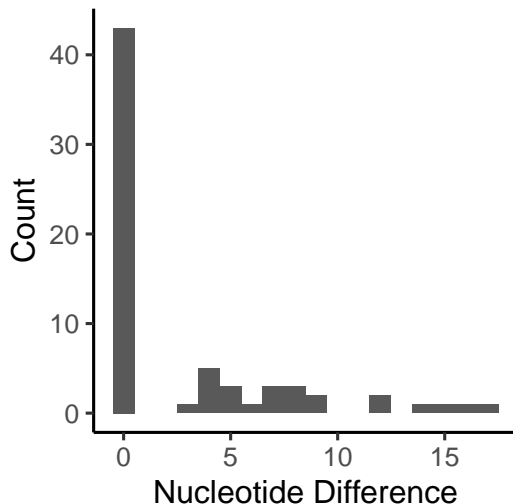
IGHV1-69*04_09

776 sequences assigned
620 (79.9%) exact matches, in which:
620 unique CDR3
7 unique J



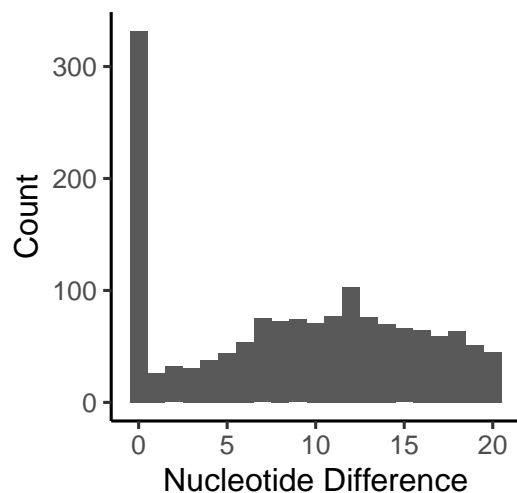
IGHV2-26*01

74 sequences assigned
43 (58.1%) exact matches, in which:
43 unique CDR3
5 unique J



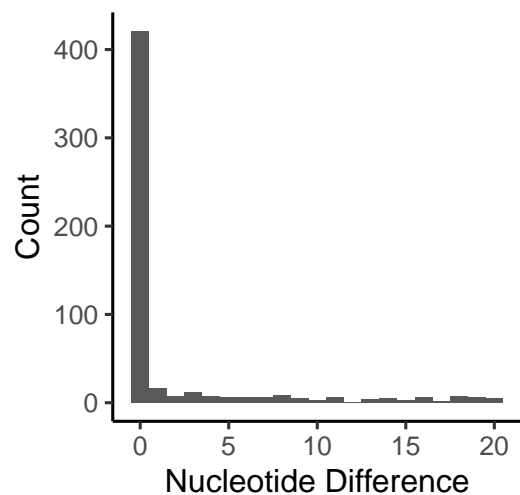
IGHV3-7*03

1760 sequences assigned
332 (18.9%) exact matches, in which:
324 unique CDR3
7 unique J



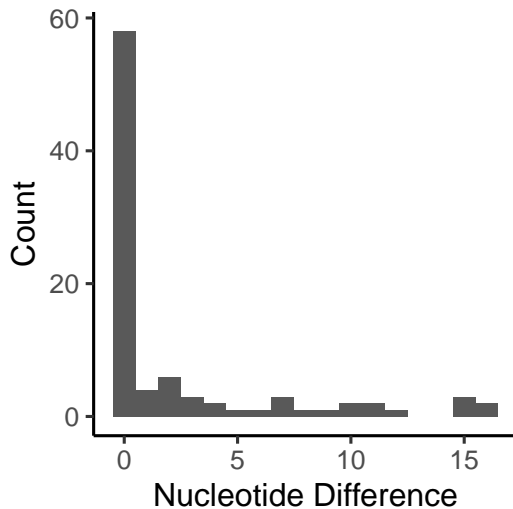
IGHV1-69*06_14

596 sequences assigned
421 (70.6%) exact matches, in which:
420 unique CDR3
6 unique J



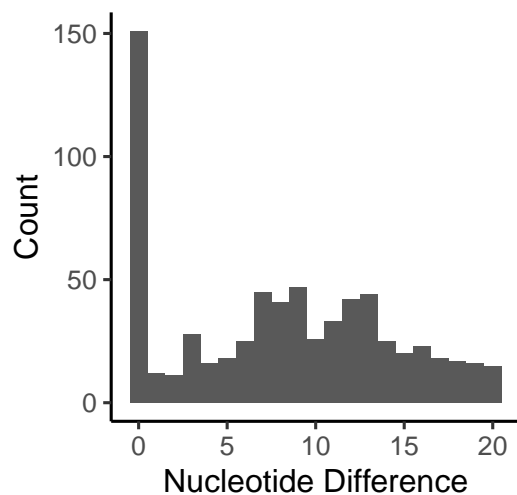
IGHV2-70*01

92 sequences assigned
58 (63%) exact matches, in which:
57 unique CDR3
4 unique J



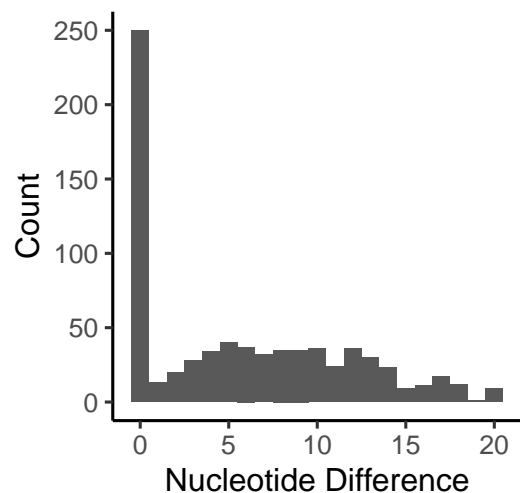
IGHV3-7*04

730 sequences assigned
151 (20.7%) exact matches, in which:
149 unique CDR3
6 unique J



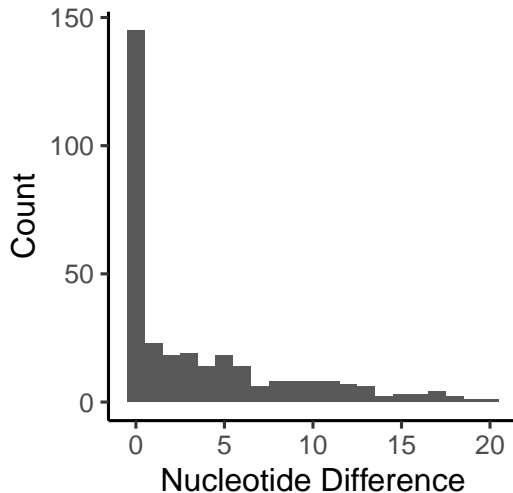
IGHV2-5*02

761 sequences assigned
250 (32.9%) exact matches, in which:
250 unique CDR3
7 unique J



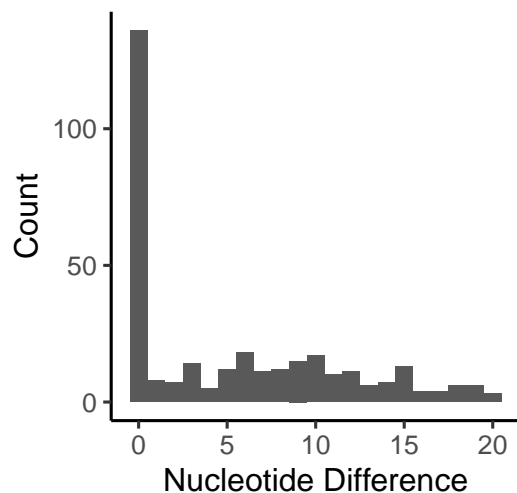
IGHV2-70*11_15

326 sequences assigned
145 (44.5%) exact matches, in which:
144 unique CDR3
5 unique J



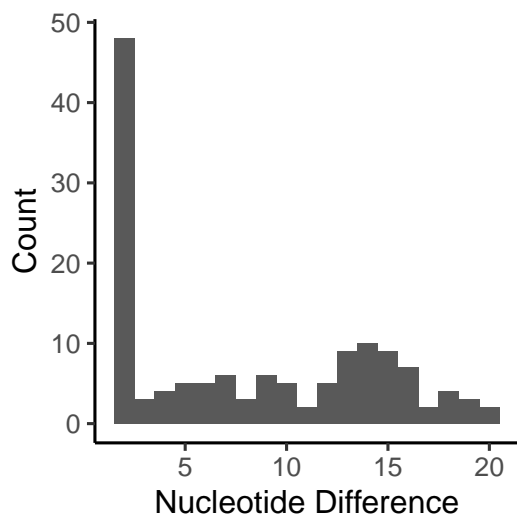
IGHV3-11*06

356 sequences assigned
136 (38.2%) exact matches, in which:
136 unique CDR3
6 unique J



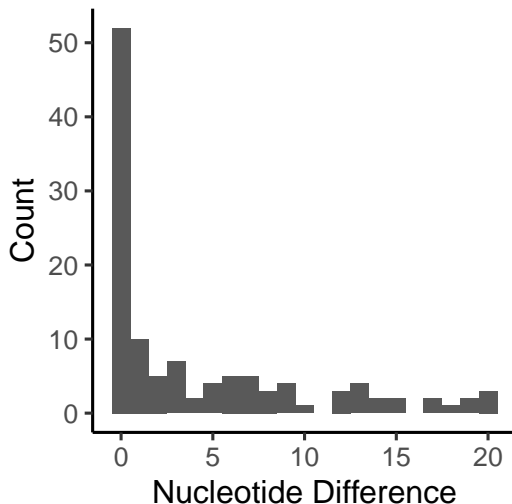
IGHV3-13*01

160 sequences assigned
No exact matches.



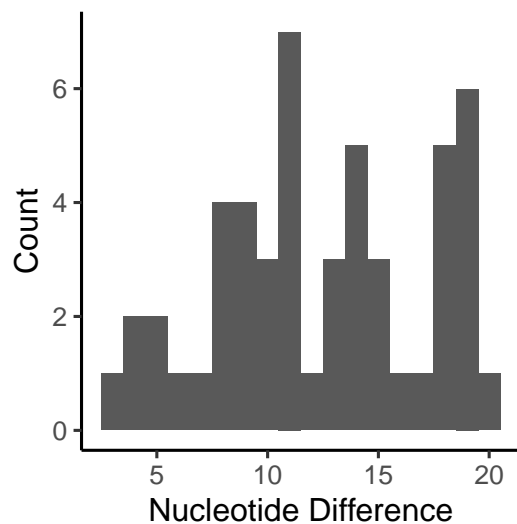
IGHV3-20*03_04

123 sequences assigned
52 (42.3%) exact matches, in which:
51 unique CDR3
6 unique J



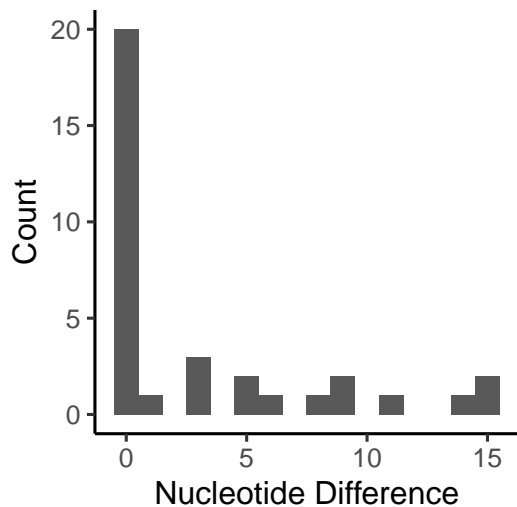
IGHV3-30*04

92 sequences assigned
No exact matches.



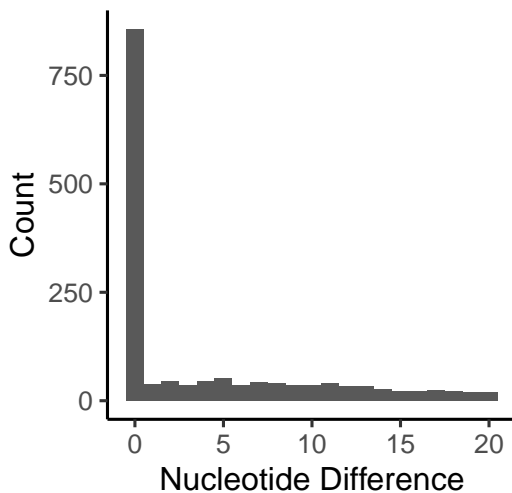
IGHV3-13*05

37 sequences assigned
20 (54.1%) exact matches, in which:
19 unique CDR3
4 unique J



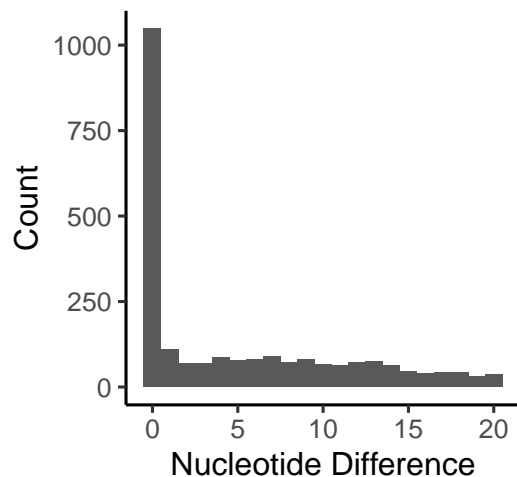
IGHV3-21*01_02

1571 sequences assigned
857 (54.6%) exact matches, in which:
826 unique CDR3
7 unique J



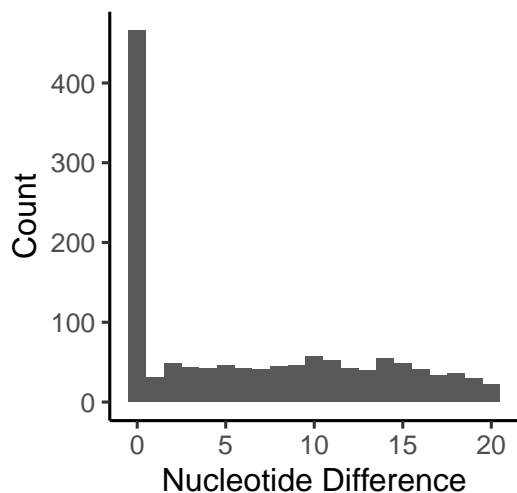
IGHV3-33*01

2568 sequences assigned
1048 (40.8%) exact matches, in which:
1021 unique CDR3
7 unique J



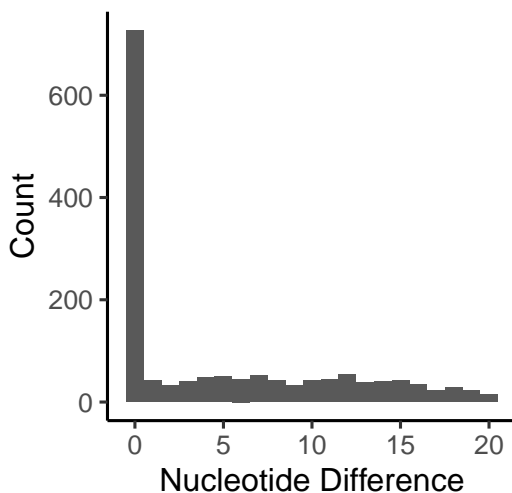
IGHV3-15*07

1471 sequences assigned
466 (31.7%) exact matches, in which:
453 unique CDR3
7 unique J



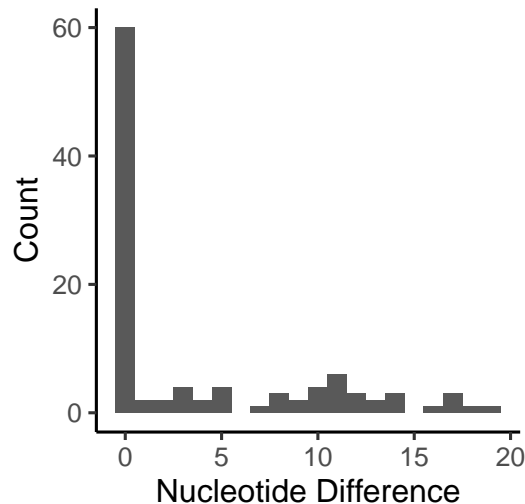
IGHV3-30-3*01

1626 sequences assigned
727 (44.7%) exact matches, in which:
716 unique CDR3
7 unique J



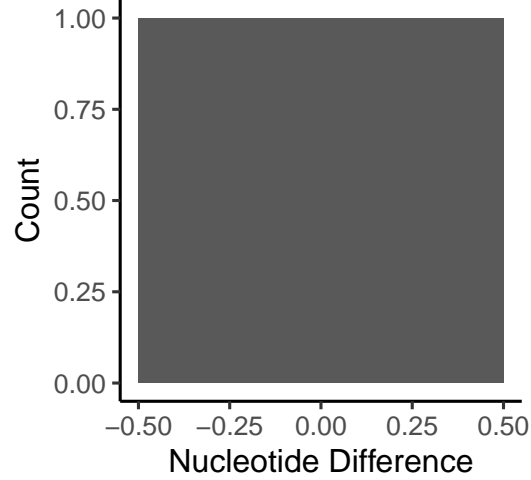
IGHV3-43*01

116 sequences assigned
60 (51.7%) exact matches, in which:
60 unique CDR3
6 unique J



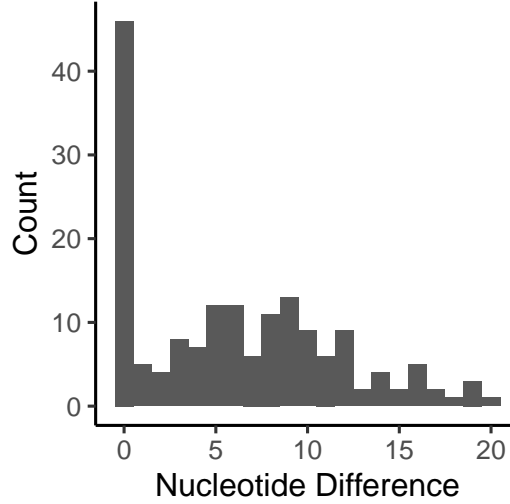
IGHV3-47*02

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



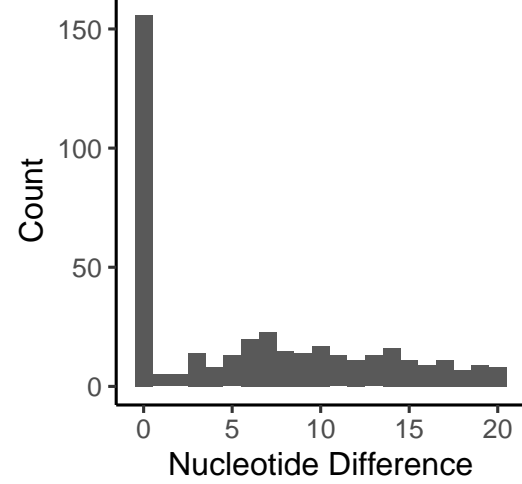
IGHV3-49*04

188 sequences assigned
46 (24.5%) exact matches, in which:
46 unique CDR3
4 unique J



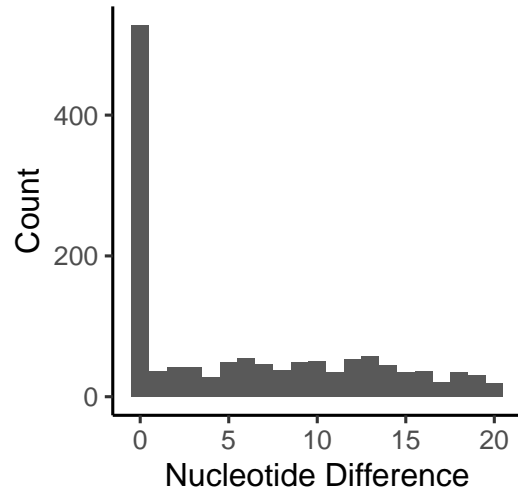
IGHV3-53*01_02

447 sequences assigned
156 (34.9%) exact matches, in which:
154 unique CDR3
6 unique J



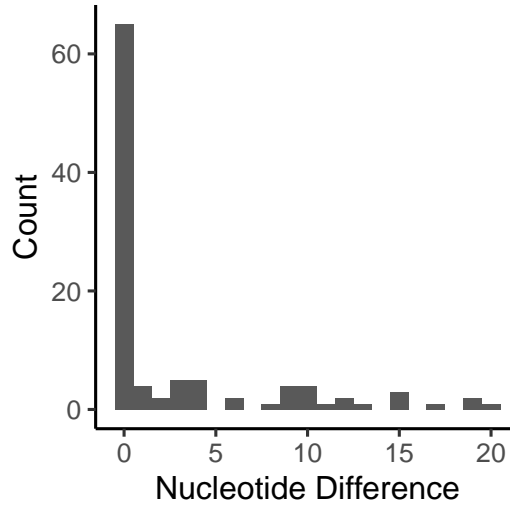
IGHV3-48*02

1423 sequences assigned
528 (37.1%) exact matches, in which:
509 unique CDR3
6 unique J



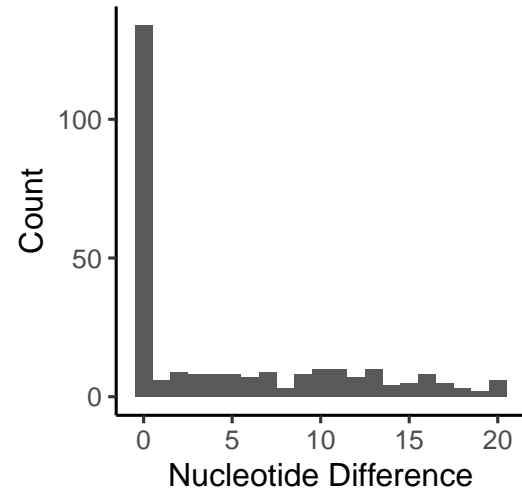
IGHV3-49*03_05

106 sequences assigned
65 (61.3%) exact matches, in which:
65 unique CDR3
4 unique J



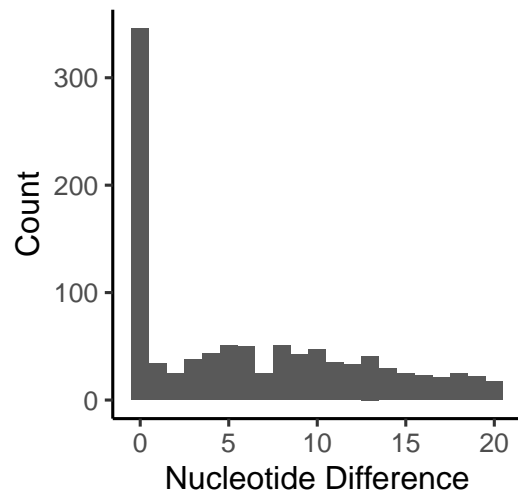
IGHV3-64*01

282 sequences assigned
134 (47.5%) exact matches, in which:
125 unique CDR3
6 unique J



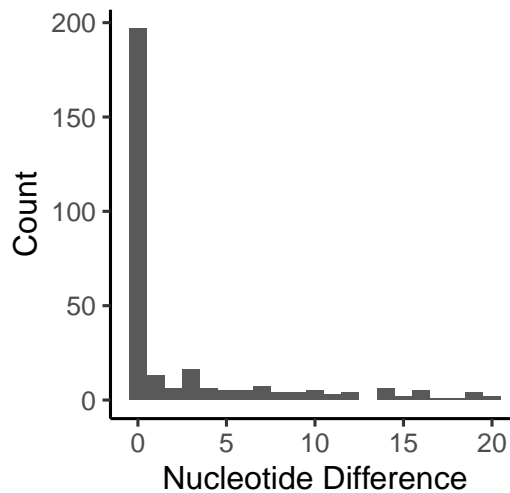
IGHV3-48*03

1125 sequences assigned
346 (30.8%) exact matches, in which:
335 unique CDR3
6 unique J



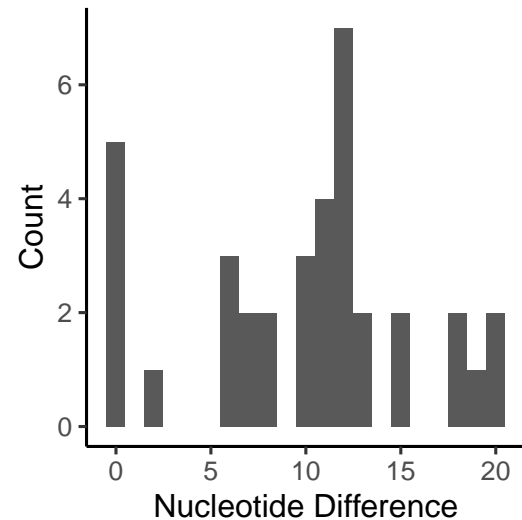
IGHV3-53*04

310 sequences assigned
197 (63.5%) exact matches, in which:
188 unique CDR3
6 unique J



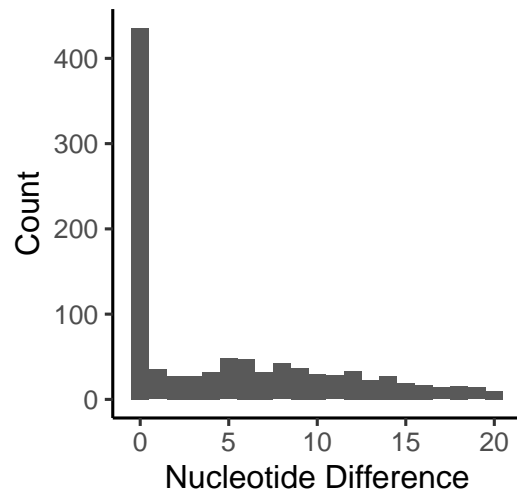
IGHV3-64*02_07

41 sequences assigned
5 (12.2%) exact matches, in which:
5 unique CDR3
3 unique J



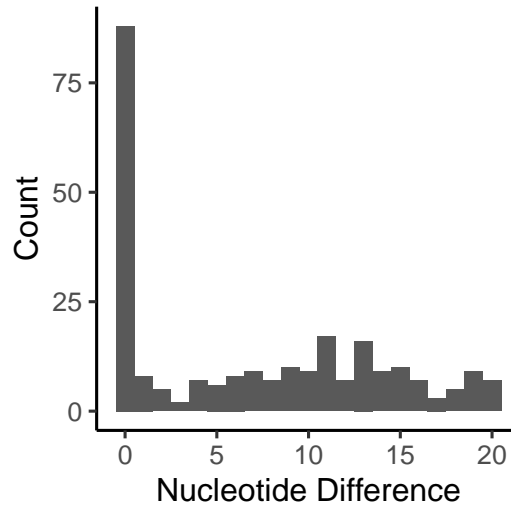
IGHV3-66*01

1070 sequences assigned
436 (40.7%) exact matches, in which:
418 unique CDR3
6 unique J



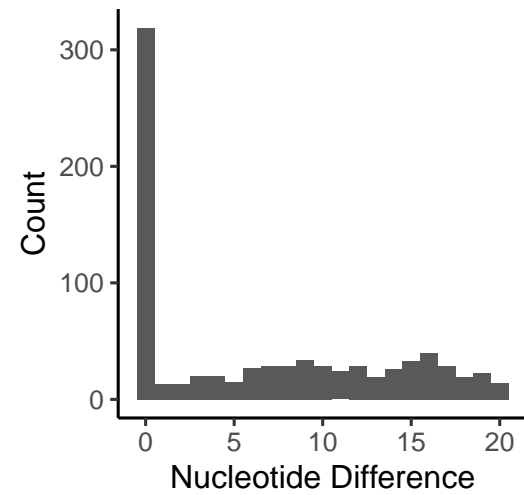
IGHV3-73*01_02

260 sequences assigned
88 (33.8%) exact matches, in which:
87 unique CDR3
5 unique J



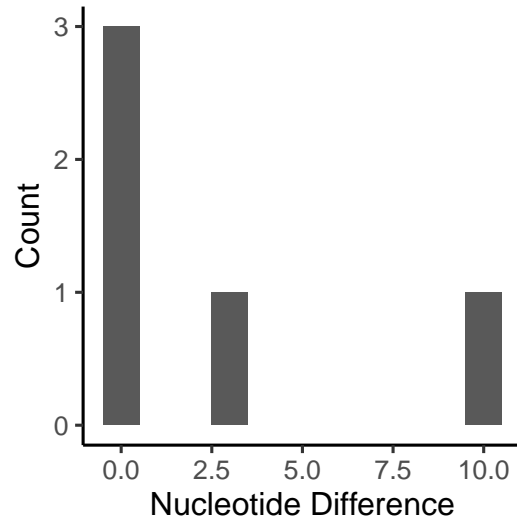
IGHV3-64D*06

884 sequences assigned
319 (36.1%) exact matches, in which:
311 unique CDR3
7 unique J



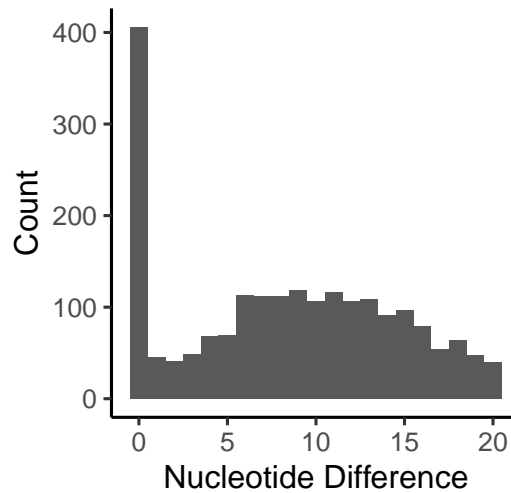
IGHV3-69-1*01

8 sequences assigned
3 (37.5%) exact matches, in which:
3 unique CDR3
2 unique J



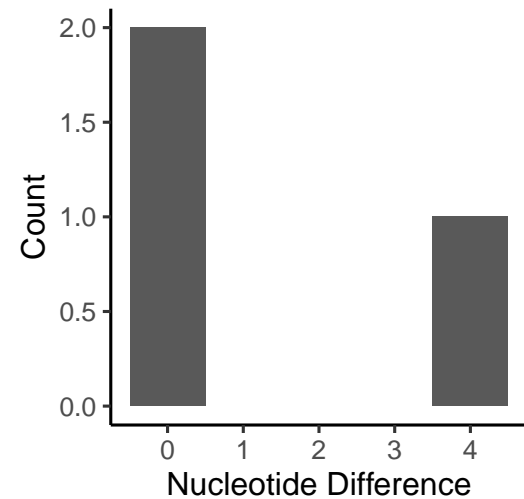
IGHV3-74*01_02

2233 sequences assigned
406 (18.2%) exact matches, in which:
388 unique CDR3
7 unique J



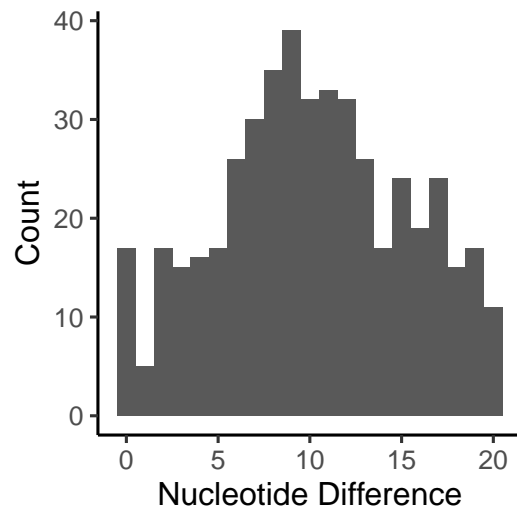
IGHV4-28*03

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



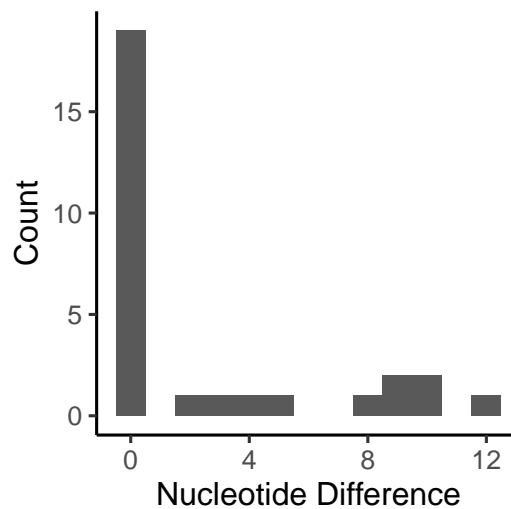
IGHV3-72*01

509 sequences assigned
17 (3.3%) exact matches, in which:
17 unique CDR3
5 unique J



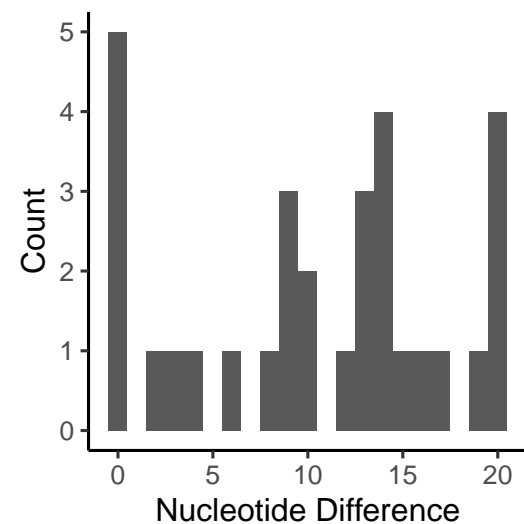
IGHV3-43D*04

36 sequences assigned
19 (52.8%) exact matches, in which:
19 unique CDR3
3 unique J



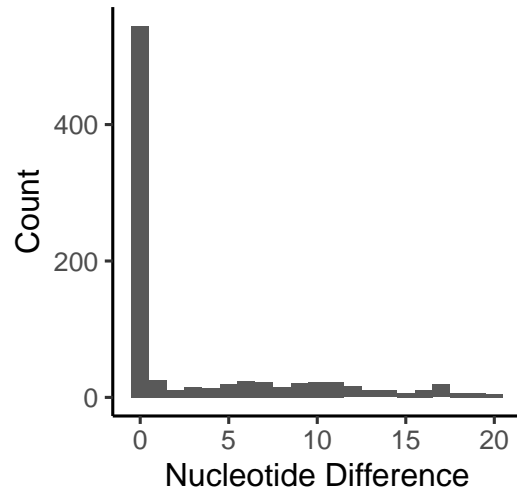
IGHV4-28*01_07

37 sequences assigned
5 (13.5%) exact matches, in which:
4 unique CDR3
4 unique J



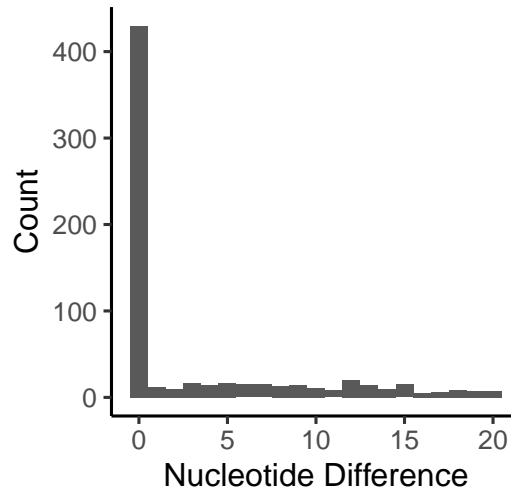
IGHV4-30-2*01

1006 sequences assigned
545 (54.2%) exact matches, in which:
528 unique CDR3
7 unique J



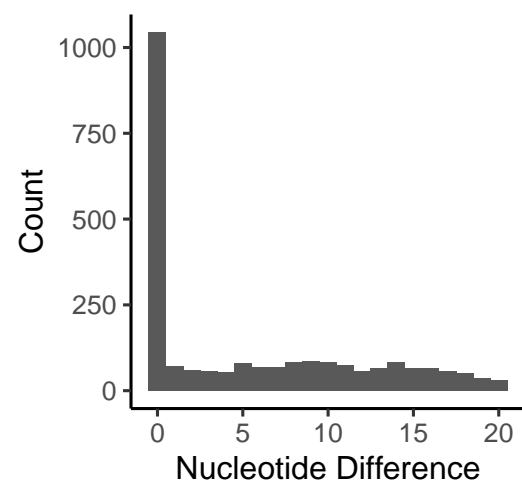
IGHV4-31*03_04

739 sequences assigned
430 (58.2%) exact matches, in which:
422 unique CDR3
7 unique J



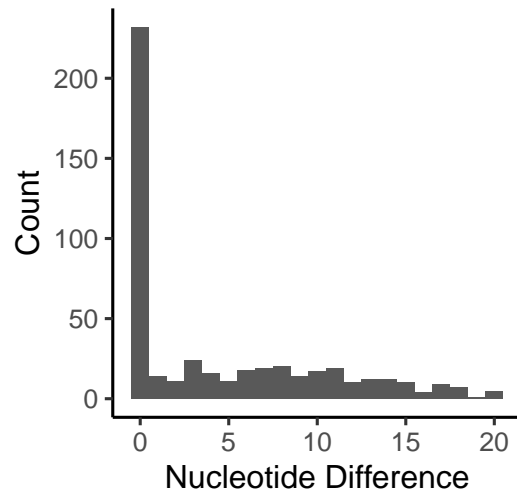
IGHV4-39*01_05

2509 sequences assigned
1044 (41.6%) exact matches, in which:
1025 unique CDR3
7 unique J



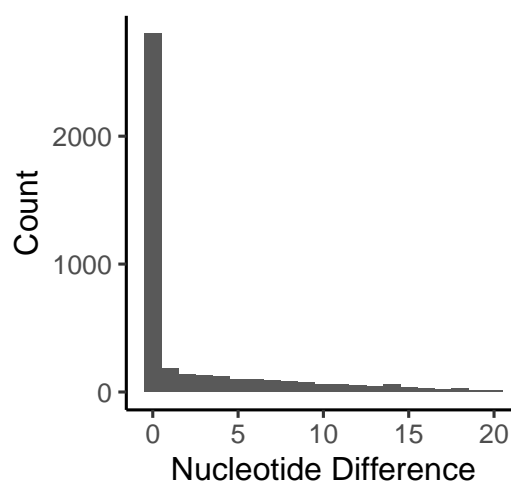
IGHV4-30-4*01

518 sequences assigned
232 (44.8%) exact matches, in which:
226 unique CDR3
5 unique J



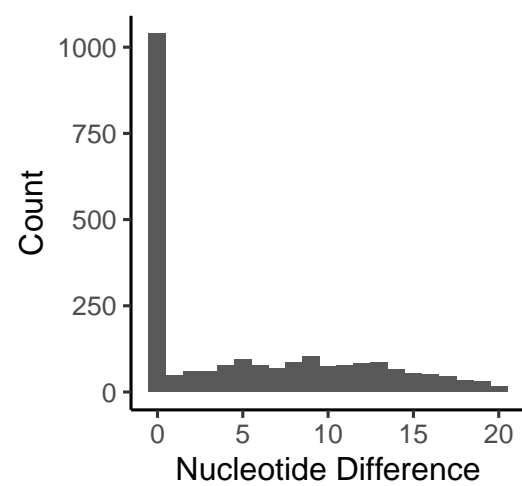
IGHV4-34*01_02

4376 sequences assigned
2801 (64%) exact matches, in which:
2702 unique CDR3
7 unique J



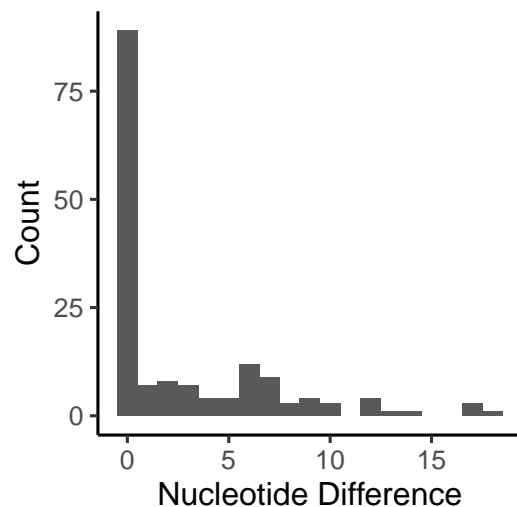
IGHV4-59*08

2508 sequences assigned
1039 (41.4%) exact matches, in which:
1004 unique CDR3
7 unique J



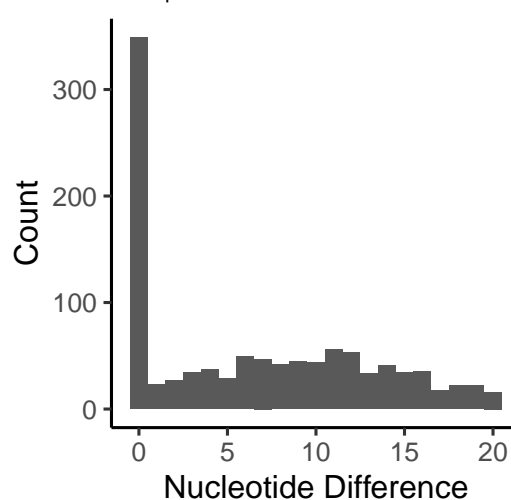
IGHV4-31*01

163 sequences assigned
89 (54.6%) exact matches, in which:
89 unique CDR3
5 unique J



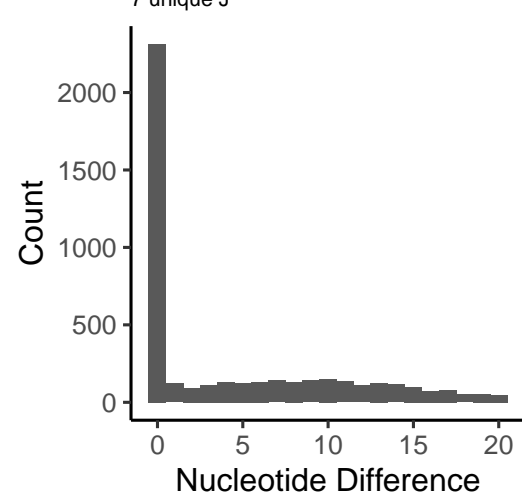
IGHV4-38-2*02_A70G

1154 sequences assigned
349 (30.2%) exact matches, in which:
343 unique CDR3
6 unique J



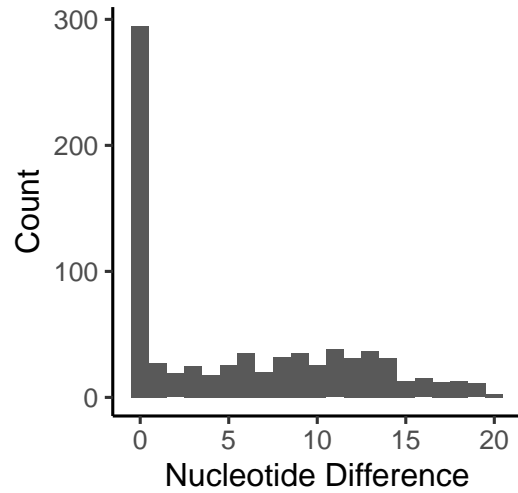
IGHV4-59*01_07

4760 sequences assigned
2313 (48.6%) exact matches, in which:
2256 unique CDR3
7 unique J



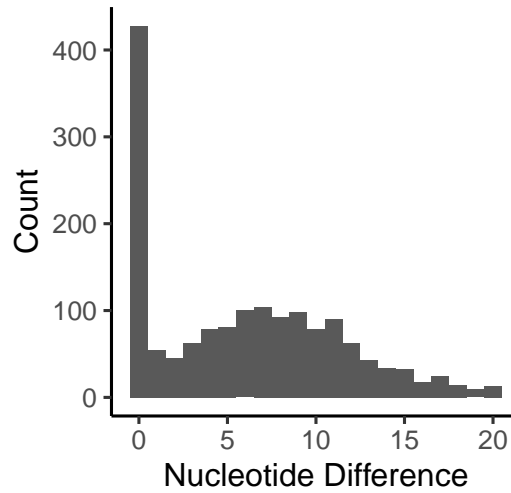
IGHV4–61*01

823 sequences assigned
295 (35.8%) exact matches, in which:
288 unique CDR3
7 unique J



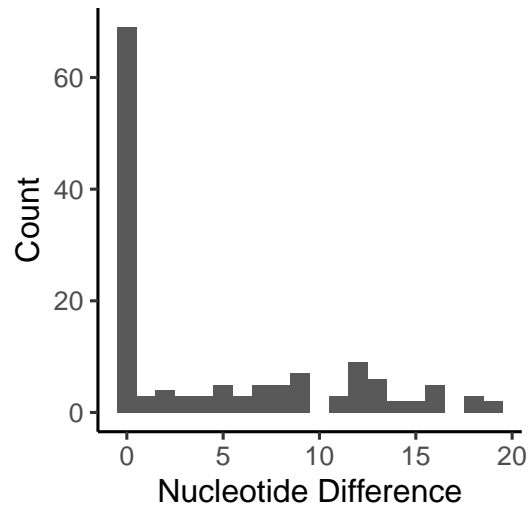
IGHV6–1*01_02

1617 sequences assigned
428 (26.5%) exact matches, in which:
428 unique CDR3
7 unique J



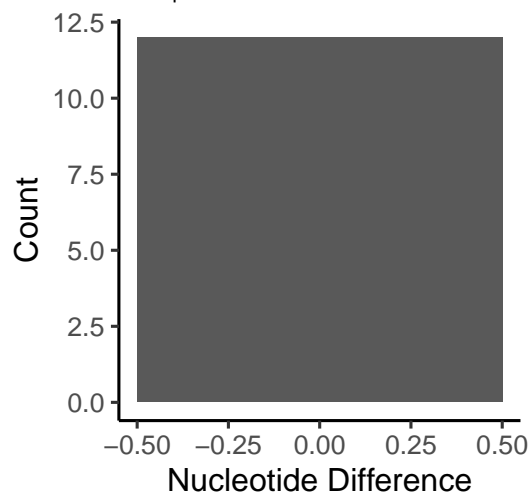
IGHV5–10–1*01_03

151 sequences assigned
69 (45.7%) exact matches, in which:
69 unique CDR3
5 unique J



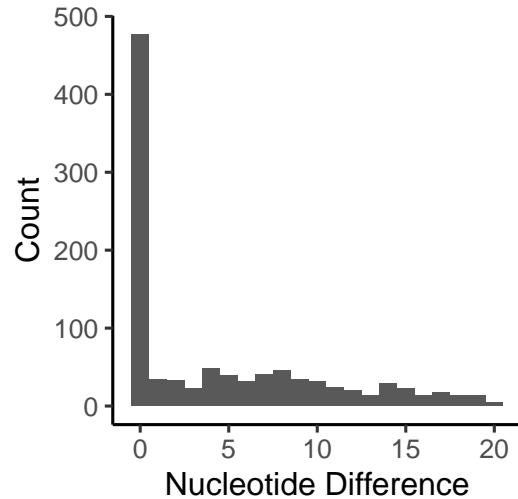
IGHV7–4–1*01

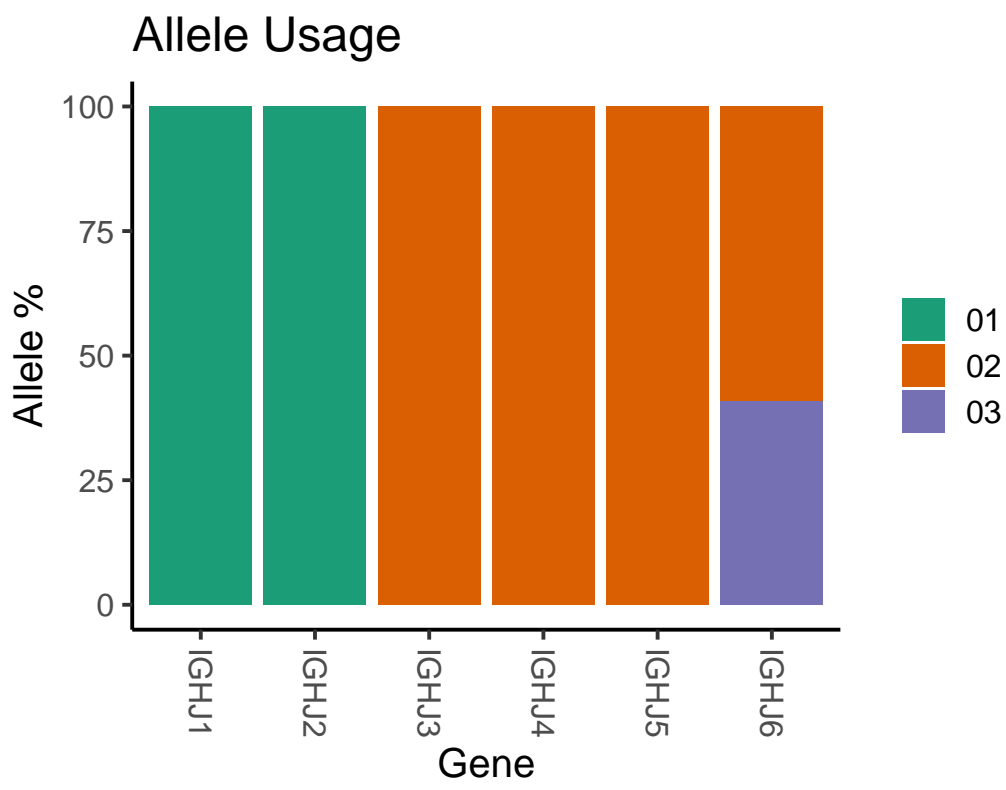
12 sequences assigned
12 (100%) exact matches, in which:
12 unique CDR3
4 unique J



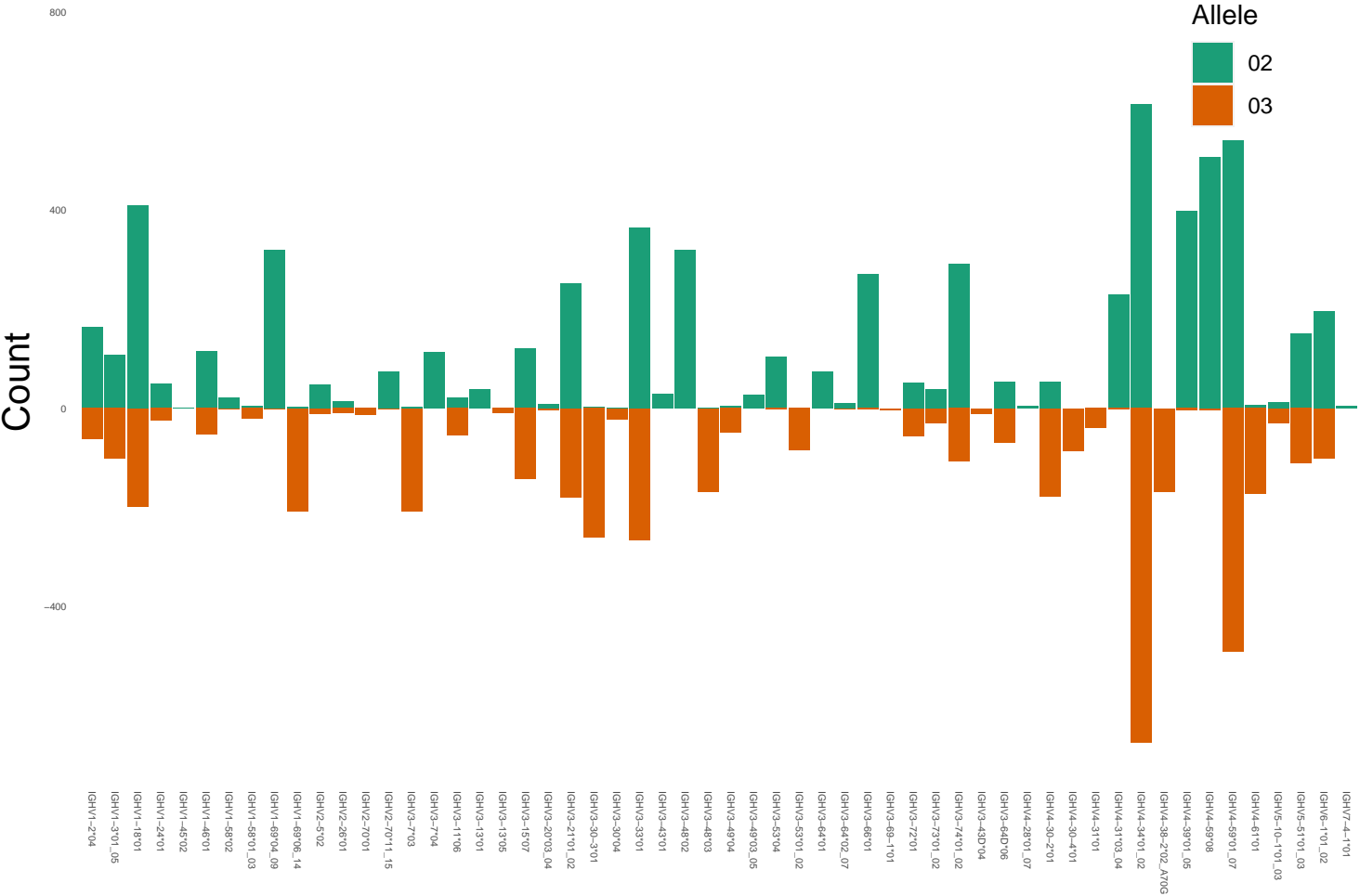
IGHV5–51*01_03

1057 sequences assigned
477 (45.1%) exact matches, in which:
476 unique CDR3
7 unique J





Sequence Count byIGHJ6 allele usage



warning - no inferred sequences found.