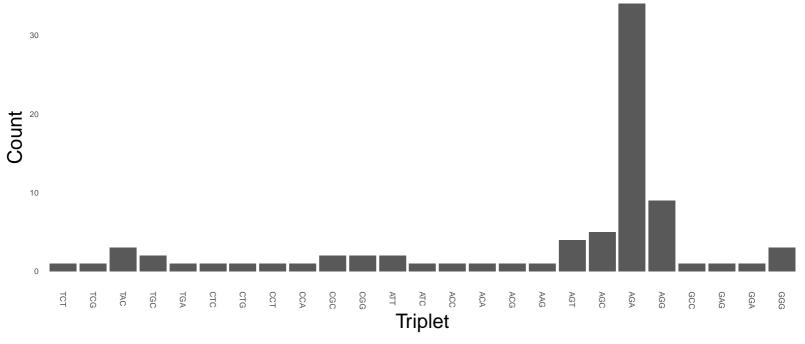
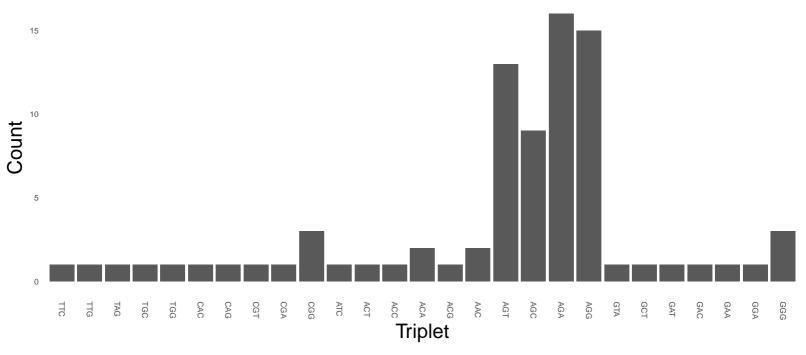


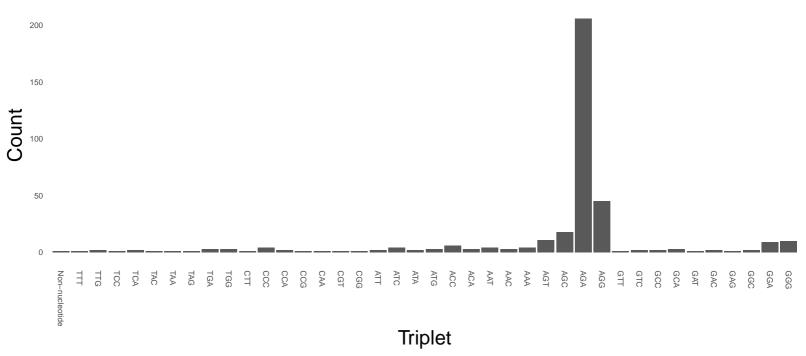
IGHV1-69\*08\_C191T- Final 3 nucleotides as a triplet

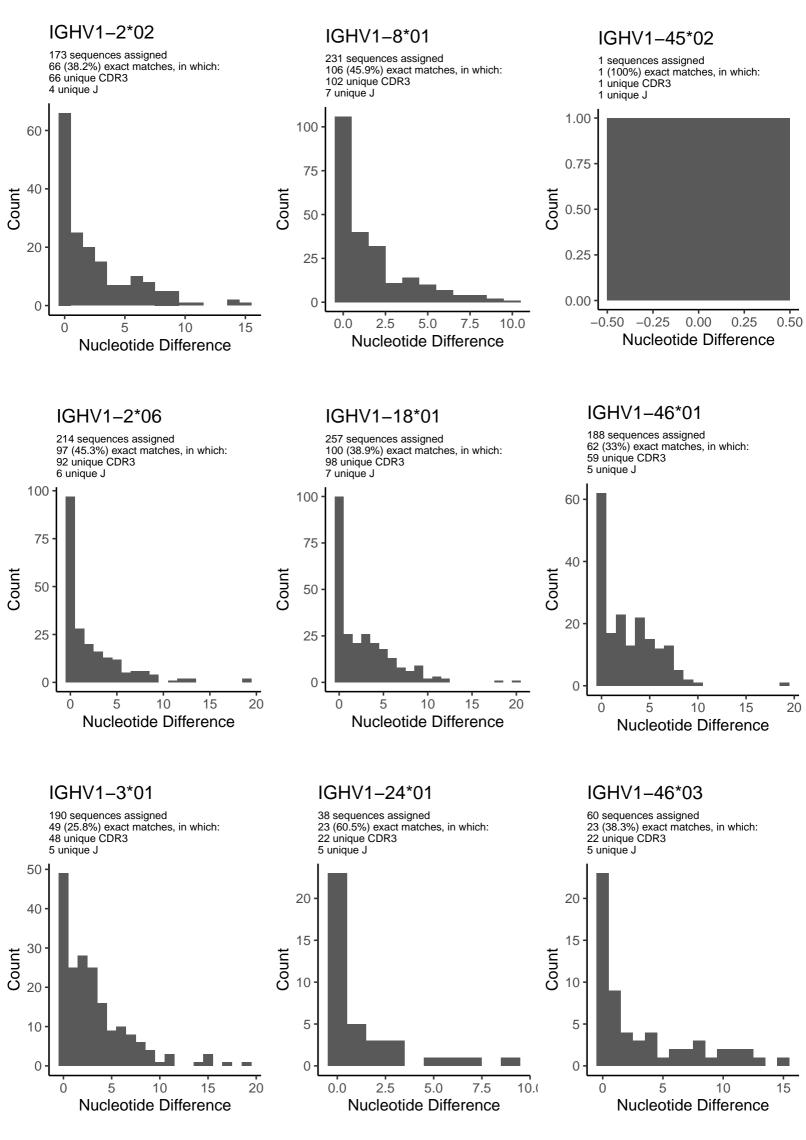


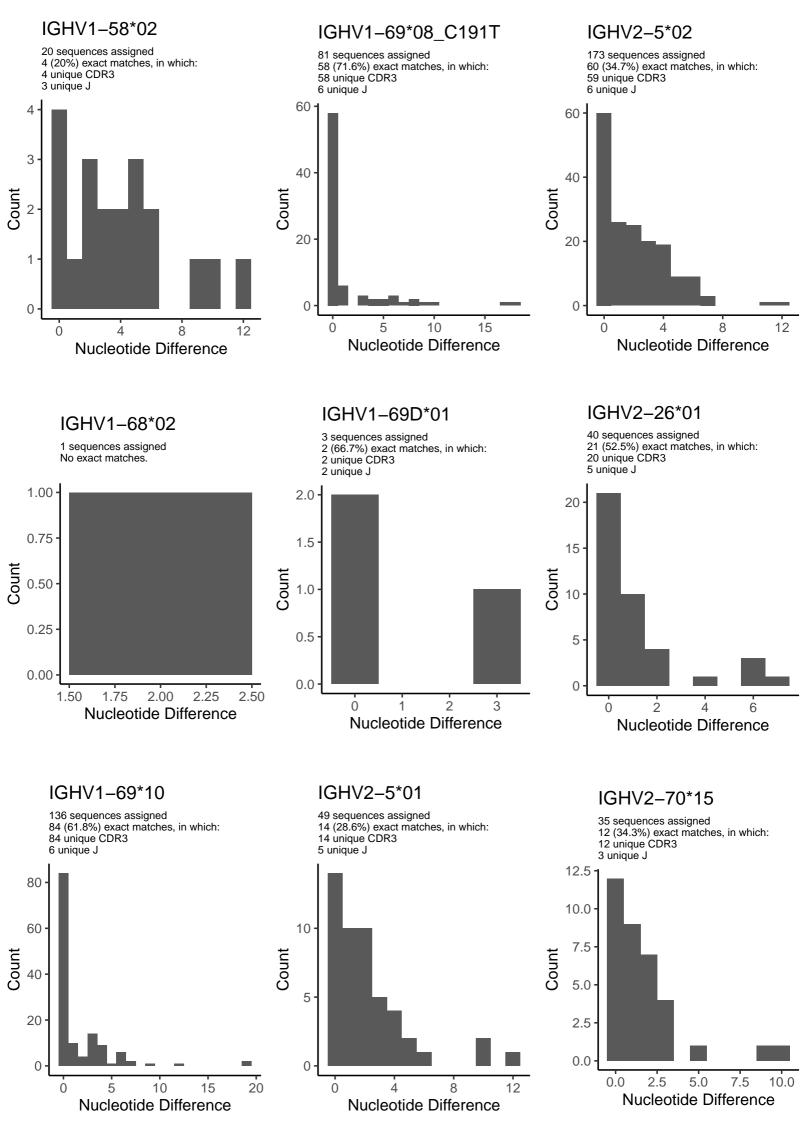
IGHV4-30-4\*01\_A70G\_A107G- Final 3 nucleotides as a triplet

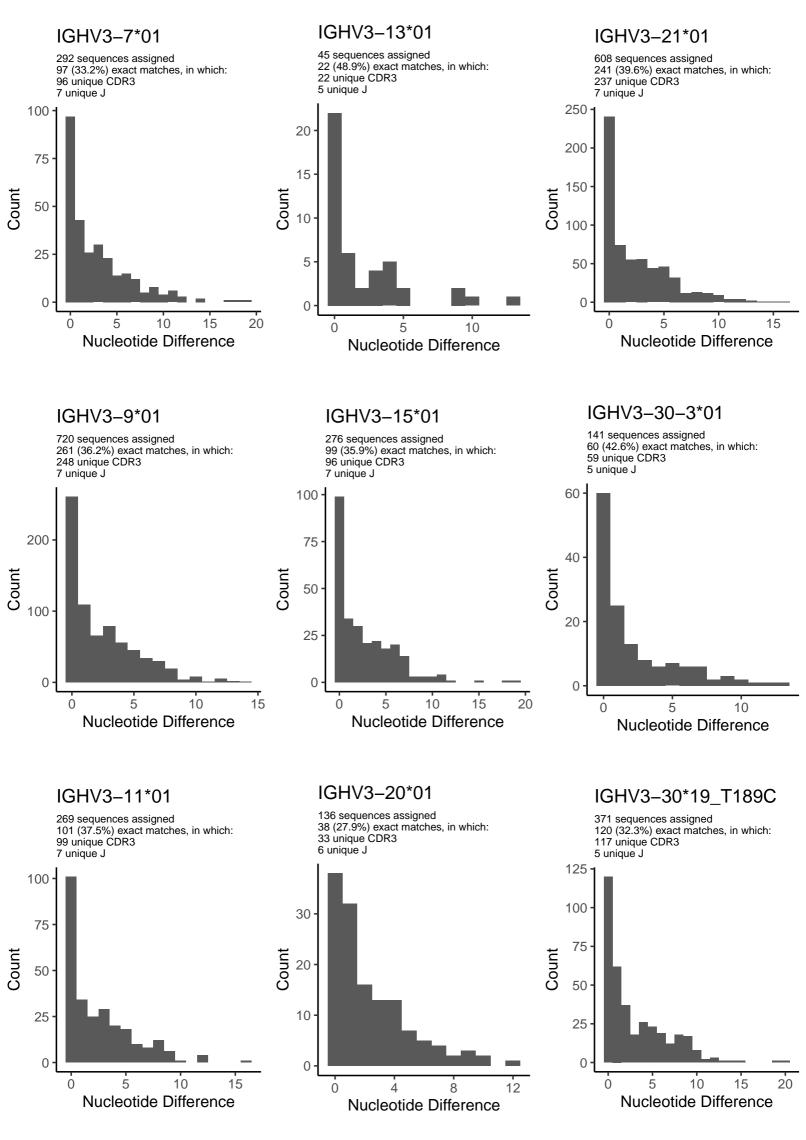


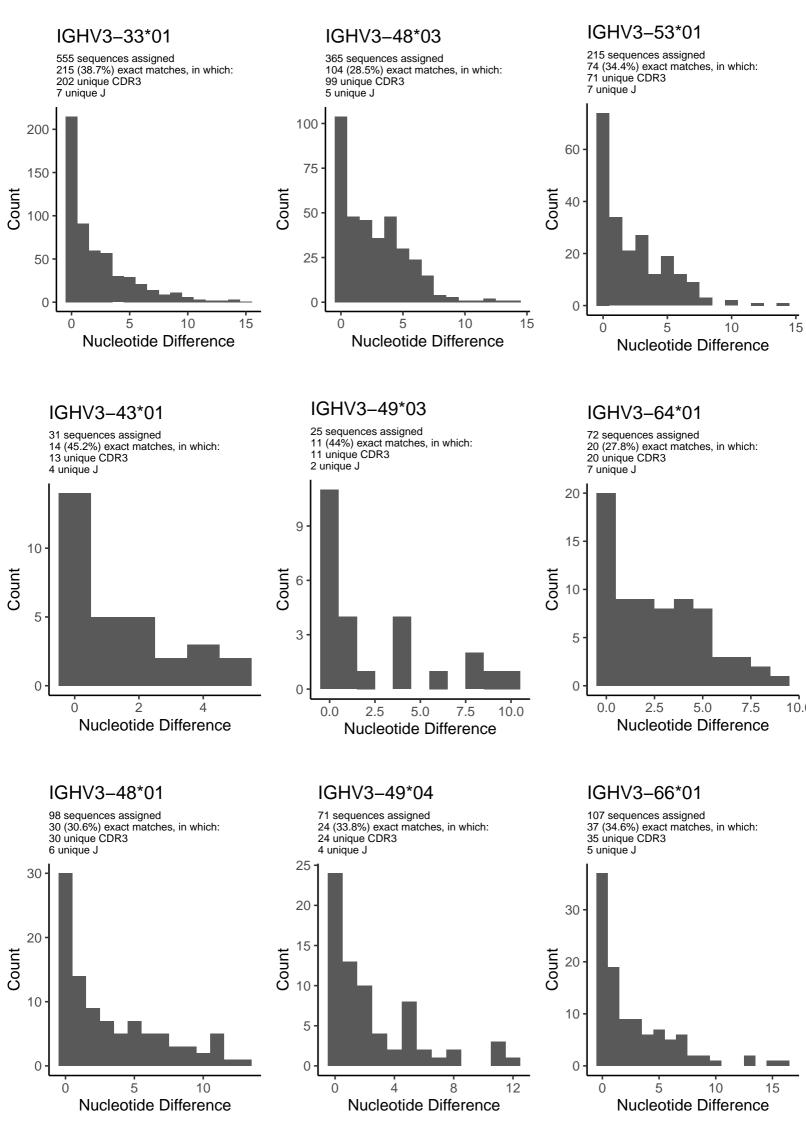
IGHV3-30\*19\_T189C- Final 3 nucleotides as a triplet

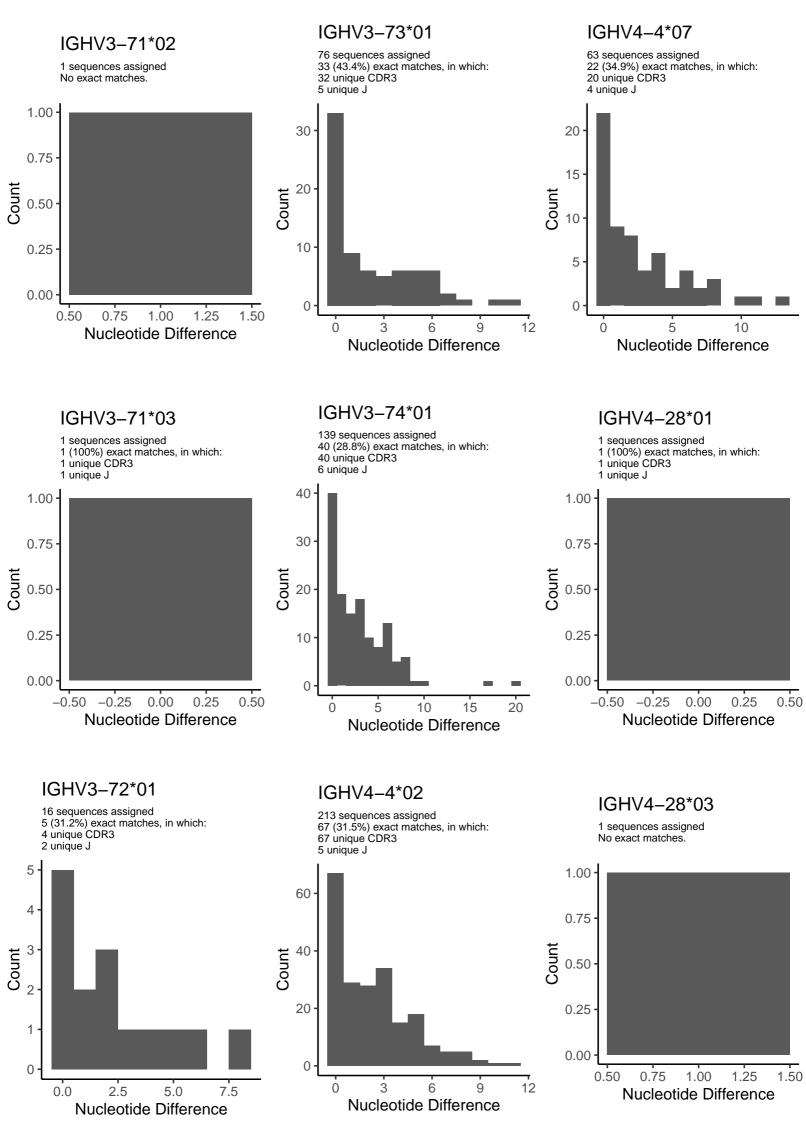


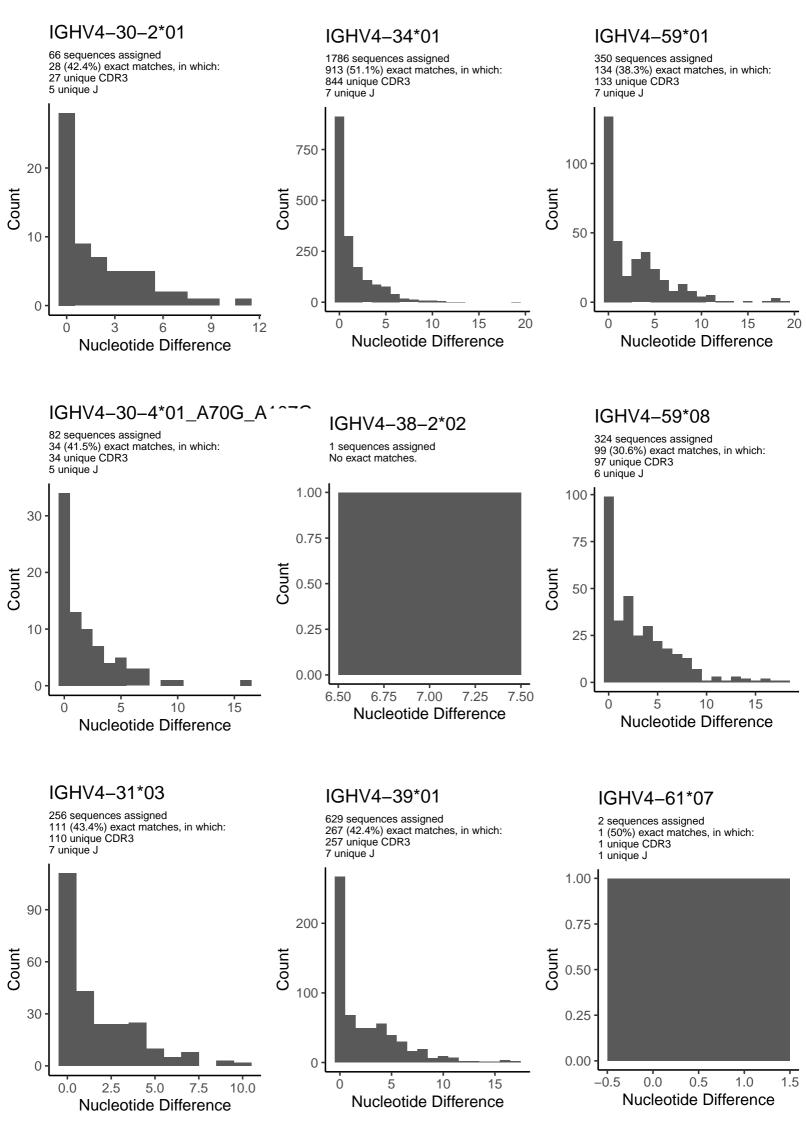






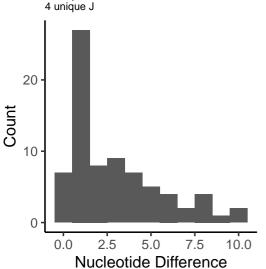






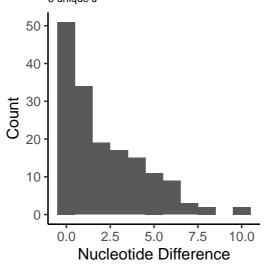
## IGHV5-51\*01

76 sequences assigned 7 (9.2%) exact matches, in which: 7 unique CDR3 4 unique J



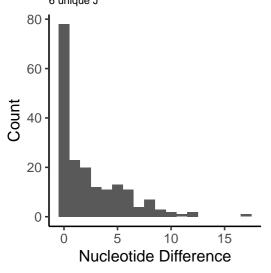
### IGHV7-4-1\*02

163 sequences assigned 51 (31.3%) exact matches, in which: 50 unique CDR3 6 unique J



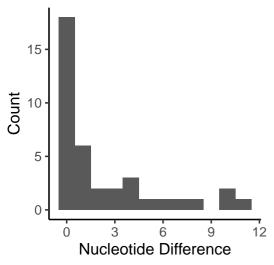
### IGHV5-51\*03

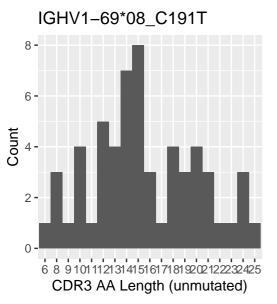
190 sequences assigned 78 (41.1%) exact matches, in which: 77 unique CDR3 6 unique J

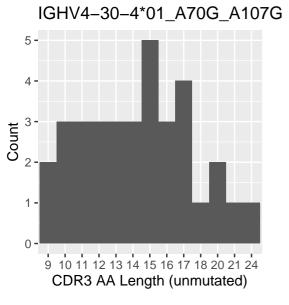


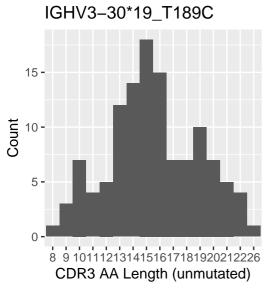
### IGHV6-1\*01

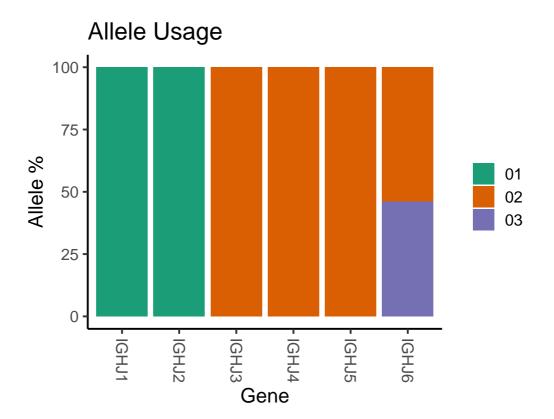
38 sequences assigned 18 (47.4%) exact matches, in which: 17 unique CDR3 6 unique J



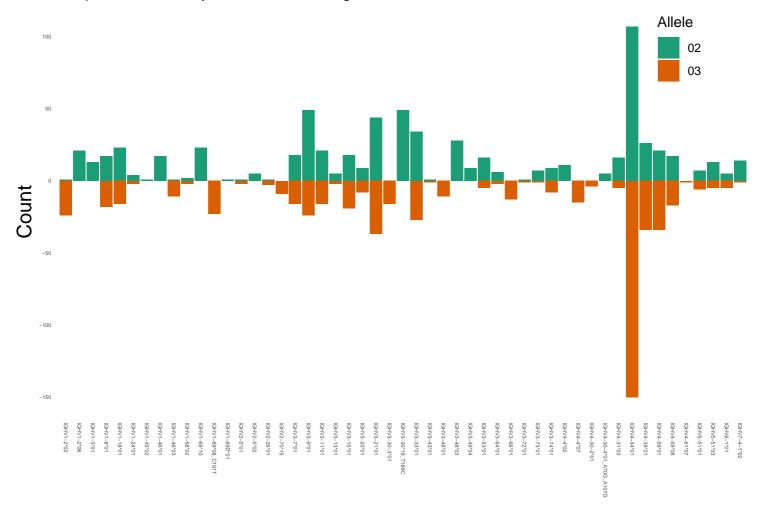








# Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found.