Problem areas: CATALINA

Gene 23 reports an overlap of 48bp with previous gene; we recommend further examination of this gene.

Gene 57 E value of Blast reference is not significant enough (6.3), it is possible that the product of this ORF is not yet in the database. This could also be a reason for GeneMark to fail predicting this ORF. This gene requires further examination.

Most of the genes have no known possible function and align primarily to one of two phages: PackMan or Alma. These two phages are part of cluster A, subcluster A9. This means that they are close relatives; and their genomes are quite similar.

There is no further inconvenience with genome decisions. We feel confident in all areas of Catalina’s genome annotation.

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