Sigman Annotation

Sigman’s genome was 68311 base pairs long and by our analysis contained 99 genes; GenMark and Glimmer called 102. We added the following genes (they were not called by Glimmer or GeneMark):

Gene 10 It filled a large gap

Gene 65 It filled a large gap

Gene 67 It filled a large gap

We combined two genes into one; that one gene became gene 82.

We deleted a number of genes that were very small and did not seem to have good blast results or functions. These genes included genes starting at:

39605

40445

41830

47807

51444

61418 This gene was deleted as it was read forward in a whole group of genes that were being read in reverse; there were reverse genes that included the same base pairs.

We did spend a fair amount of time looking at genes that were read in a different direction than those genes around them. We found good reasons for keeping most of the genes.