Updated Annotation Notes: Preamble

The updated Preamble annotation includes Startorator data. To analyze for coding potential GeneMarkS Output was used in the annotation analysis.

All gene start sites agreed with those chosen by Startorator except for gp3, 14, 26, 30, 40, 44 & 49. In all of these instances the chosen start site resulted in a longer ORF and included all possible coding potential suing GeneMarkS Output.

Gp22 gives a modest hit to a holing gene but was annotated as such since it is located next to a lysin gene.

Gp45 was not called by Glimmer or GeneMark but does have coding potential and gives decent hits to a topoisomerase gene via both BlastP and HHpred analysis.

Lastly, no tRNA or tmRNA genes were detected using web-based Aragorn or tRNA scan. There was a putative tRNA gene detected by DNA Master but this gene was deleted.