Annotation Notes: Rings

Many of the forward genes had at least some coding potential with GeneMark Smeg. Many of the reverse genes annotated in DNA Master had coding potential with GeneMark Smeg. However, what we found is that the reverse genes in DNA Master are called in a different minus reading frame then the genes called with Gene Mark Smeg. The last set of forward genes (gp85-91) had significant spaces between genes. However, we were unable to confidently find additional ORFs or expand the lengths of existing called ORFs. We also annotated gp34 & gp35 as the tail assembly chaperones due to their location to the TMP (gp36). We annotated gp35 as a minus -1 frameshift in an area near the end of gp34 that has a string of six T’s.

Finally, we annotated gp63 ( a reverse gene as being a transcription factor).