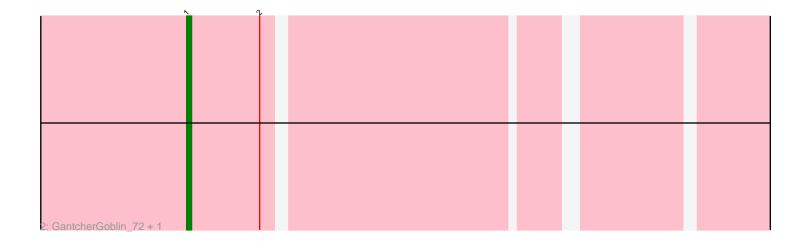# Pham 88768

1: Renaldo_82 + 2

2: GantcherGoblin_72 + 1

3: Zeina_77

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 88768 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88768 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Renaldo_82, Lewando_78, BarbieDoll_78
• Track 2 : GantcherGoblin_72, Uzumaki_71
• Track 3 : Zeina_77

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarbieDoll_78, Lewando_78, Renaldo_82, Zeina_77,

Genes that have the "Most Annotated" start but do not call it:
• GantcherGoblin_72, Uzumaki_71,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: GantcherGoblin_72 (AU6), Uzumaki_71 (AU6),

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BarbieDoll_78 (AU6), Lewando_78 (AU6), Renaldo_82 (AU6), Zeina_77 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:
•Start number 1 was manually annotated 2 times for cluster AU6.
•Start number 2 was manually annotated 2 times for cluster AU6.

Gene Information:
Gene: BarbieDoll_78 Start: 46828, Stop: 46974, Start Num: 2
Candidate Starts for BarbieDoll_78:
(Start: 2 @46828 has 2 MA's), (3, 46831), (4, 46903),

Gene: GantcherGoblin_72 Start: 45163, Stop: 45315, Start Num: 1
Candidate Starts for GantcherGoblin_72:
(Start: 1 @45163 has 2 MA's), (Start: 2 @45178 has 2 MA's),

Gene: Lewando_78 Start: 47045, Stop: 47191, Start Num: 2
Candidate Starts for Lewando_78:
(Start: 2 @47045 has 2 MA's), (3, 47048), (4, 47120),

Gene: Renaldo_82 Start: 47266, Stop: 47412, Start Num: 2
Candidate Starts for Renaldo_82:
(Start: 2 @47266 has 2 MA's), (3, 47269), (4, 47341),

Gene: Uzumaki_71 Start: 45263, Stop: 45418, Start Num: 1
Candidate Starts for Uzumaki_71:
(Start: 1 @45263 has 2 MA's), (Start: 2 @45278 has 2 MA's),

Gene: Zeina_77 Start: 46134, Stop: 46274, Start Num: 2
Candidate Starts for Zeina_77:
(Start: 1 @46119 has 2 MA's), (Start: 2 @46134 has 2 MA's),