# Pham 107044



1: KeaneyLin_75 + 7

2: BenitoAntonio_78

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 107044 Report

This analysis was run 04/05/24 on database version 557.

Pham number 107044 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : KeaneyLin_75, Hankly_79, Dynamite_79, GoCrazy_76, Mooshroom_79, Benllo_79, Kardesai_79, NapoleonB_80
• Track 2 : BenitoAntonio_78


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

The start number called the most often in the published annotations is 1, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Benllo_79, Dynamite_79, GoCrazy_76, Hankly_79, Kardesai_79, KeaneyLin_75, Mooshroom_79, NapoleonB_80,

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

Genes that do not have the "Most Annotated" start:
• BenitoAntonio_78,

**Summary by start number:**

Start 1:
• Found in 8 of 9 ( 88.9% ) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Benllo_79 (AM), Dynamite_79 (AM), GoCrazy_76 (AM), Hankly_79 (AM), Kardesai_79 (AM), KeaneyLin_75 (AM), Mooshroom_79 (AM), NapoleonB_80 (AM),

Start 2:
• Found in 1 of 9 ( 11.1% ) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BenitoAntonio_78 (AM),

**Summary by clusters:**

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:
•Start number 1 was manually annotated 6 times for cluster AM.
•Start number 2 was manually annotated 1 time for cluster AM.

*Gene Information:*
Gene: BenitoAntonio_78 Start: 46234, Stop: 46365, Start Num: 2
Candidate Starts for BenitoAntonio_78:
(Start: 2 @46234 has 1 MA's),

Gene: Benllo_79 Start: 46909, Stop: 47043, Start Num: 1
Candidate Starts for Benllo_79:
(Start: 1 @46909 has 6 MA's),

Gene: Dynamite_79 Start: 46626, Stop: 46757, Start Num: 1
Candidate Starts for Dynamite_79:
(Start: 1 @46626 has 6 MA's),

Gene: GoCrazy_76 Start: 45886, Stop: 46020, Start Num: 1
Candidate Starts for GoCrazy_76:
(Start: 1 @45886 has 6 MA's),

Gene: Hankly_79 Start: 46264, Stop: 46395, Start Num: 1
Candidate Starts for Hankly_79:
(Start: 1 @46264 has 6 MA's),

Gene: Kardesai_79 Start: 46200, Stop: 46334, Start Num: 1
Candidate Starts for Kardesai_79:
(Start: 1 @46200 has 6 MA's),

Gene: KeaneyLin_75 Start: 45886, Stop: 46020, Start Num: 1
Candidate Starts for KeaneyLin_75:
(Start: 1 @45886 has 6 MA's),

Gene: Mooshroom_79 Start: 46200, Stop: 46334, Start Num: 1
Candidate Starts for Mooshroom_79:
(Start: 1 @46200 has 6 MA's),

Gene: NapoleonB_80 Start: 46626, Stop: 46757, Start Num: 1
Candidate Starts for NapoleonB_80:
(Start: 1 @46626 has 6 MA's),