Pham 86762

1: GuuelaD 124 + 17	

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 86762 Report

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

Pham number 86762 has 18 members, 0 are drafts.

Phages represented in each track:

• Track 1 : GuuelaD\_124, BigCheese\_125, Winky\_126, Kahlid\_126, LilDestine\_123, DrSeegs\_124, Faith1\_124, Wigglewiggle\_127, Wilder\_127, Itos\_126, Breezona\_126, Netyap\_124, Loadrie\_127, Zakai\_128, Miley16\_126, Lewan\_128, Crossroads\_129, Vetrix\_126

### 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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• BigCheese\_125, Breezona\_126, Crossroads\_129, DrSeegs\_124, Faith1\_124, GuuelaD\_124, Itos\_126, Kahlid\_126, Lewan\_128, LilDestine\_123, Loadrie\_127, Miley16\_126, Netyap\_124, Vetrix\_126, Wigglewiggle\_127, Wilder\_127, Winky\_126, Zakai\_128,

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

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

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## Summary by start number:

Start 1:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present

• Phage (with cluster) where this start called: BigCheese\_125 (L2), Breezona\_126 (L2), Crossroads\_129 (L2), DrSeegs\_124 (L2), Faith1\_124 (L2), GuuelaD\_124 (L2), Itos\_126 (L2), Kahlid\_126 (L2), Lewan\_128 (L2), LilDestine\_123 (L2), Loadrie\_127 (L2), Miley16\_126 (L2), Netyap\_124 (L2), Vetrix\_126 (L2), Wigglewiggle\_127 (L2), Wilder\_127 (L2), Winky\_126 (L2), Zakai\_128 (L2),

### Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2: •Start number 1 was manually annotated 18 times for cluster L2.

### Gene Information:

Gene: BigCheese\_125 Start: 67624, Stop: 67466, Start Num: 1 Candidate Starts for BigCheese\_125: (Start: 1 @67624 has 18 MA's),

Gene: Breezona\_126 Start: 67959, Stop: 67801, Start Num: 1 Candidate Starts for Breezona\_126: (Start: 1 @67959 has 18 MA's),

Gene: Crossroads\_129 Start: 67891, Stop: 67733, Start Num: 1 Candidate Starts for Crossroads\_129: (Start: 1 @67891 has 18 MA's),

Gene: DrSeegs\_124 Start: 67959, Stop: 67801, Start Num: 1 Candidate Starts for DrSeegs\_124: (Start: 1 @67959 has 18 MA's),

Gene: Faith1\_124 Start: 67267, Stop: 67109, Start Num: 1 Candidate Starts for Faith1\_124: (Start: 1 @67267 has 18 MA's),

Gene: GuuelaD\_124 Start: 67619, Stop: 67461, Start Num: 1 Candidate Starts for GuuelaD\_124: (Start: 1 @67619 has 18 MA's),

Gene: Itos\_126 Start: 66173, Stop: 66015, Start Num: 1 Candidate Starts for Itos\_126: (Start: 1 @66173 has 18 MA's),

Gene: Kahlid\_126 Start: 67644, Stop: 67486, Start Num: 1 Candidate Starts for Kahlid\_126: (Start: 1 @67644 has 18 MA's),

Gene: Lewan\_128 Start: 68250, Stop: 68092, Start Num: 1 Candidate Starts for Lewan\_128: (Start: 1 @68250 has 18 MA's),

Gene: LilDestine\_123 Start: 66814, Stop: 66656, Start Num: 1 Candidate Starts for LilDestine\_123: (Start: 1 @66814 has 18 MA's),

Gene: Loadrie\_127 Start: 68282, Stop: 68124, Start Num: 1 Candidate Starts for Loadrie\_127: (Start: 1 @68282 has 18 MA's),

Gene: Miley16\_126 Start: 67959, Stop: 67801, Start Num: 1 Candidate Starts for Miley16\_126: (Start: 1 @67959 has 18 MA's),

Gene: Netyap\_124 Start: 67673, Stop: 67515, Start Num: 1 Candidate Starts for Netyap\_124: (Start: 1 @67673 has 18 MA's),

Gene: Vetrix\_126 Start: 68269, Stop: 68111, Start Num: 1 Candidate Starts for Vetrix\_126: (Start: 1 @68269 has 18 MA's),

Gene: Wigglewiggle\_127 Start: 67865, Stop: 67707, Start Num: 1 Candidate Starts for Wigglewiggle\_127: (Start: 1 @67865 has 18 MA's),

Gene: Wilder\_127 Start: 67498, Stop: 67340, Start Num: 1 Candidate Starts for Wilder\_127: (Start: 1 @67498 has 18 MA's),

Gene: Winky\_126 Start: 67960, Stop: 67802, Start Num: 1 Candidate Starts for Winky\_126: (Start: 1 @67960 has 18 MA's),

Gene: Zakai\_128 Start: 67670, Stop: 67512, Start Num: 1 Candidate Starts for Zakai\_128: (Start: 1 @67670 has 18 MA's),