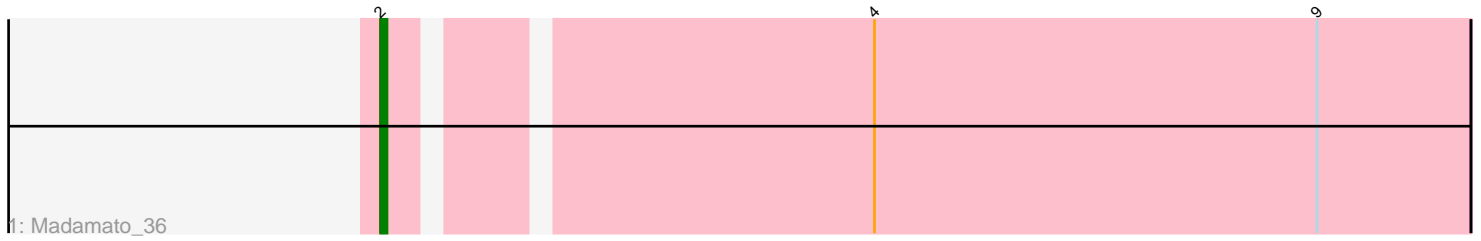


Pham 7693



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 7693 Report

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

Pham number 7693 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Madamato_36
- Track 2 : Doxi13_30
- Track 3 : PherryCruz_29, Annihilus_30
- Track 4 : HotFries_28, SheRa_29
- Track 5 : RavenPuff_29
- Track 6 : GoblinVoyage_30

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annihilus_30, Doxi13_30, GoblinVoyage_30, HotFries_28, PherryCruz_29, SheRa_29,

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

- RavenPuff_29,

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

- Madamato_36,

Summary by start number:

Start 1:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Annihilus_30 (BI2), Doxi13_30 (BI2), GoblinVoyage_30 (BI2), HotFries_28 (BI2), PherryCruz_29 (BI2), SheRa_29 (BI2),

Start 2:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Madamato_36 (BI1),

Start 3:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 14.3% of time when present
- Phage (with cluster) where this start called: RavenPuff_29 (BI2),

Summary by clusters:

There are 2 clusters represented in this pham: BI2, BI1,

Info for manual annotations of cluster BI1:

- Start number 2 was manually annotated 1 time for cluster BI1.

Info for manual annotations of cluster BI2:

- Start number 1 was manually annotated 6 times for cluster BI2.
- Start number 3 was manually annotated 1 time for cluster BI2.

Gene Information:

Gene: Annihilus_30 Start: 24081, Stop: 24269, Start Num: 1

Candidate Starts for Annihilus_30:

(Start: 1 @24081 has 6 MA's), (Start: 3 @24123 has 1 MA's), (4, 24186), (5, 24213), (8, 24252), (9, 24255),

Gene: Doxi13_30 Start: 24044, Stop: 24232, Start Num: 1

Candidate Starts for Doxi13_30:

(Start: 1 @24044 has 6 MA's), (Start: 3 @24086 has 1 MA's), (4, 24149), (5, 24176), (8, 24215), (9, 24218),

Gene: GoblinVoyage_30 Start: 24044, Stop: 24232, Start Num: 1

Candidate Starts for GoblinVoyage_30:

(Start: 1 @24044 has 6 MA's), (Start: 3 @24086 has 1 MA's), (4, 24149), (5, 24176), (6, 24194), (8, 24215), (9, 24218),

Gene: HotFries_28 Start: 23774, Stop: 23962, Start Num: 1

Candidate Starts for HotFries_28:

(Start: 1 @23774 has 6 MA's), (Start: 3 @23816 has 1 MA's), (4, 23879), (5, 23906), (7, 23930), (8, 23945), (9, 23948),

Gene: Madamato_36 Start: 27600, Stop: 27761, Start Num: 2

Candidate Starts for Madamato_36:

(Start: 2 @27600 has 1 MA's), (4, 27669), (9, 27738),

Gene: PherryCruz_29 Start: 24043, Stop: 24228, Start Num: 1

Candidate Starts for PherryCruz_29:

(Start: 1 @24043 has 6 MA's), (Start: 3 @24085 has 1 MA's), (4, 24145), (5, 24172), (8, 24211), (9, 24214),

Gene: RavenPuff_29 Start: 24085, Stop: 24228, Start Num: 3

Candidate Starts for RavenPuff_29:

(Start: 1 @24043 has 6 MA's), (Start: 3 @24085 has 1 MA's), (4, 24145), (5, 24172), (8, 24211), (9, 24214),

Gene: SheRa_29 Start: 23775, Stop: 23963, Start Num: 1

Candidate Starts for SheRa_29:

(Start: 1 @23775 has 6 MA's), (Start: 3 @23817 has 1 MA's), (4, 23880), (5, 23907), (7, 23931), (8, 23946), (9, 23949),