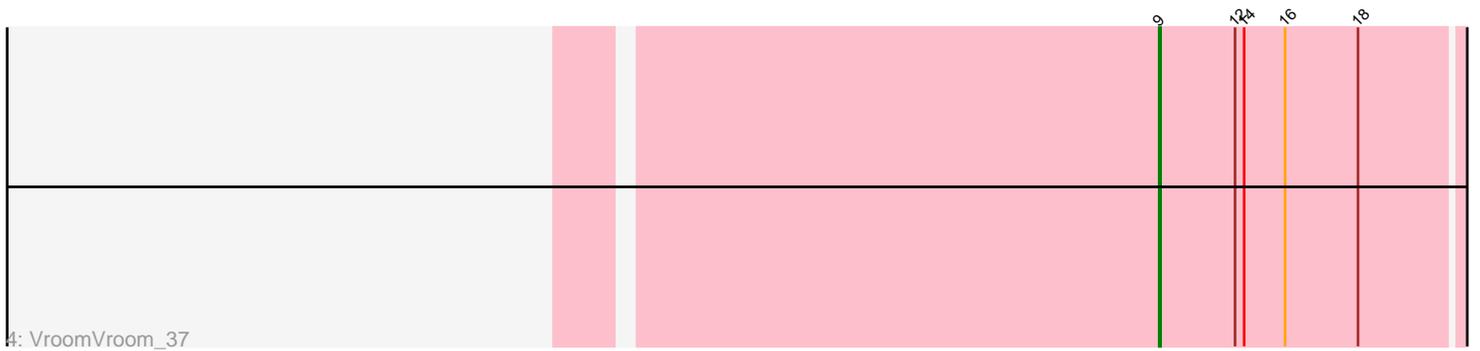
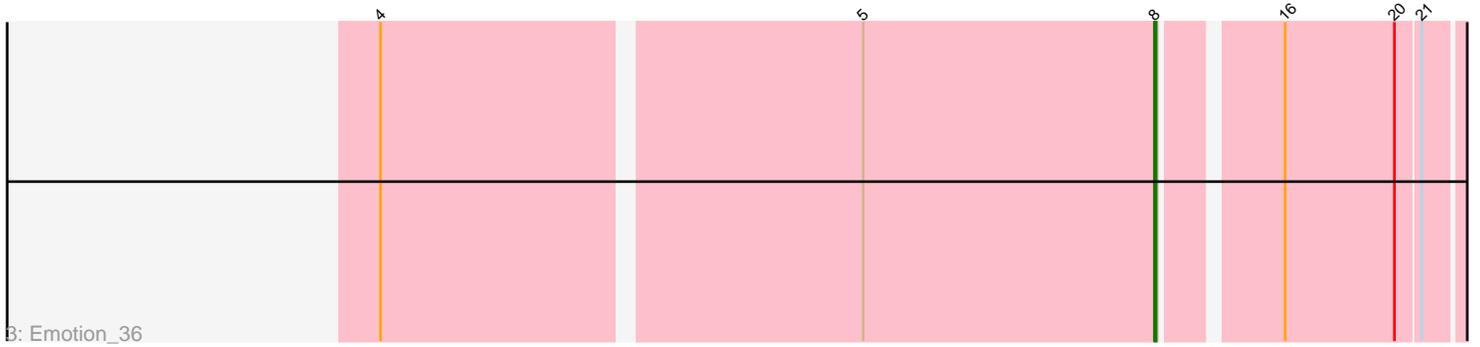
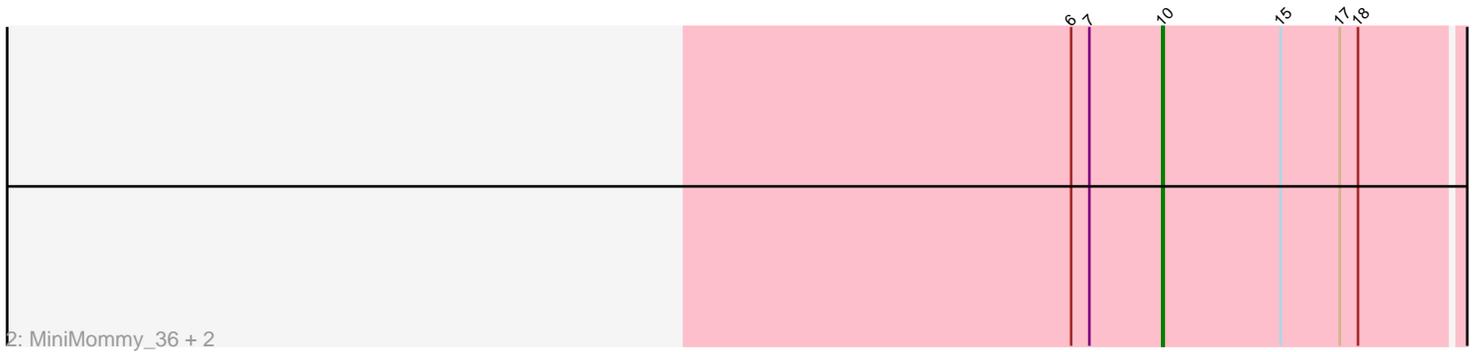


Pham 288423



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 288423 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288423 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : FiveHead_41, JohnThicc_40, Origami_39, LadyAstra_39
- Track 2 : MiniMommy_36, ShakeltOph_37, JasmineDragon_37
- Track 3 : Emotion_36
- Track 4 : VroomVroom_37

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- JasmineDragon_37, MiniMommy_36, ShakeltOph_37,

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

-

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

- Emotion_36, FiveHead_41, JohnThicc_40, LadyAstra_39, Origami_39, VroomVroom_37,

Summary by start number:

Start 8:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Emotion_36 (AZ4), FiveHead_41 (AZ4), JohnThicc_40 (AZ4), LadyAstra_39 (AZ4), Origami_39 (AZ4),

Start 9:

- Found in 1 of 9 (11.1%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: VroomVroom_37 (AZ4),

Start 10:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JasmineDragon_37 (AZ4), MiniMommy_36 (AZ4), ShakeltOph_37 (AZ4),

Summary by clusters:

There is one cluster represented in this pham: AZ4

Info for manual annotations of cluster AZ4:

- Start number 8 was manually annotated 1 time for cluster AZ4.
- Start number 9 was manually annotated 1 time for cluster AZ4.
- Start number 10 was manually annotated 3 times for cluster AZ4.

Gene Information:

Gene: Emotion_36 Start: 25935, Stop: 26117, Start Num: 8

Candidate Starts for Emotion_36:

(4, 25440), (5, 25743), (Start: 8 @25935 has 1 MA's), (16, 26004), (20, 26076), (21, 26091),

Gene: FiveHead_41 Start: 26141, Stop: 26347, Start Num: 8

Candidate Starts for FiveHead_41:

(1, 25415), (2, 25556), (3, 25604), (4, 25631), (Start: 8 @26141 has 1 MA's), (11, 26153), (13, 26192), (14, 26195), (16, 26222), (19, 26282),

Gene: JasmineDragon_37 Start: 26049, Stop: 26249, Start Num: 10

Candidate Starts for JasmineDragon_37:

(6, 25989), (7, 26001), (Start: 10 @26049 has 3 MA's), (15, 26127), (17, 26166), (18, 26178),

Gene: JohnThicc_40 Start: 26141, Stop: 26347, Start Num: 8

Candidate Starts for JohnThicc_40:

(1, 25415), (2, 25556), (3, 25604), (4, 25631), (Start: 8 @26141 has 1 MA's), (11, 26153), (13, 26192), (14, 26195), (16, 26222), (19, 26282),

Gene: LadyAstra_39 Start: 26083, Stop: 26289, Start Num: 8

Candidate Starts for LadyAstra_39:

(1, 25357), (2, 25498), (3, 25546), (4, 25573), (Start: 8 @26083 has 1 MA's), (11, 26095), (13, 26134), (14, 26137), (16, 26164), (19, 26224),

Gene: MiniMommy_36 Start: 26050, Stop: 26250, Start Num: 10

Candidate Starts for MiniMommy_36:

(6, 25990), (7, 26002), (Start: 10 @26050 has 3 MA's), (15, 26128), (17, 26167), (18, 26179),

Gene: Origami_39 Start: 26083, Stop: 26289, Start Num: 8

Candidate Starts for Origami_39:

(1, 25357), (2, 25498), (3, 25546), (4, 25573), (Start: 8 @26083 has 1 MA's), (11, 26095), (13, 26134), (14, 26137), (16, 26164), (19, 26224),

Gene: ShakeltOph_37 Start: 26049, Stop: 26249, Start Num: 10

Candidate Starts for ShakeltOph_37:

(6, 25989), (7, 26001), (Start: 10 @26049 has 3 MA's), (15, 26127), (17, 26166), (18, 26178),

Gene: VroomVroom_37 Start: 26147, Stop: 26347, Start Num: 9

Candidate Starts for VroomVroom_37:

(Start: 9 @26147 has 1 MA's), (12, 26195), (14, 26201), (16, 26228), (18, 26276),