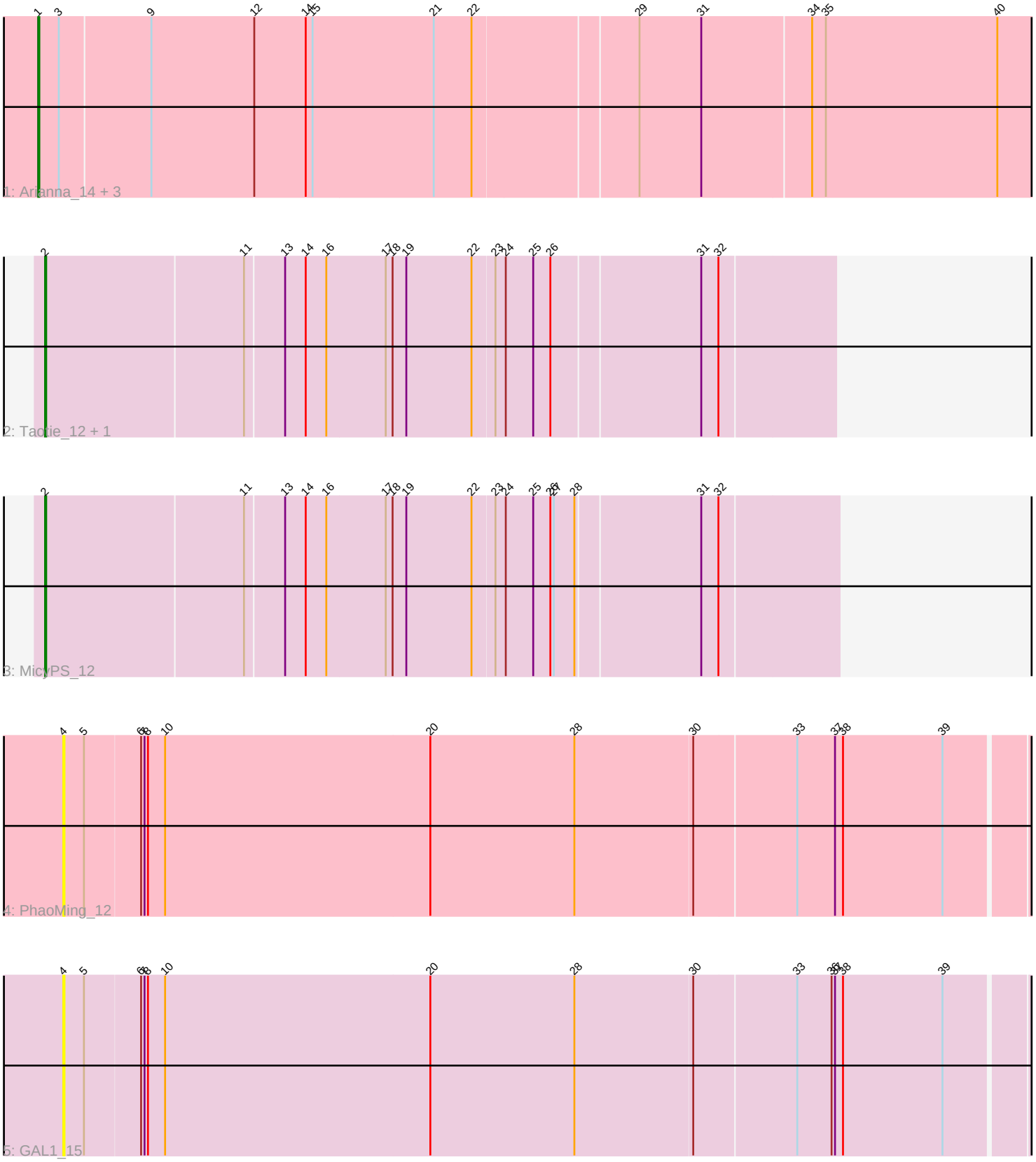
Pham 348279



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 348279 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348279 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Arianna_14, Colleen_14, Poushou_14, TouchMeNot_14
• Track 2 : Taotie_12, PSonyx_12
• Track 3 : MicyPS_12
• Track 4 : PhaoMing_12
• Track 5 : GAL1_15

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arianna_14, Colleen_14, Poushou_14, TouchMeNot_14,

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

Genes that do not have the "Most Annotated" start:
• GAL1_15, MicyPS_12, PSonyx_12, PhaoMing_12, Taotie_12,

Summary by start number:

Start 1:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arianna_14 (EO), Colleen_14 (EO), Poushou_14 (EO), TouchMeNot_14 (EO),

Start 2:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: MicyPS_12 (EQ), PSonyx_12 (EQ), Taotie_12 (EQ),

Start 4:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GAL1_15 (singleton), PhaoMing_12 (UNK),

Summary by clusters:

There are 4 clusters represented in this pham: EO, UNK, EQ, singleton,

Info for manual annotations of cluster EO:
•Start number 1 was manually annotated 4 times for cluster EO.

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

Gene Information:

Gene: Arianna_14 Start: 9758, Stop: 10702, Start Num: 1
Candidate Starts for Arianna_14:
(Start: 1 @9758 has 4 MA's), (3, 9776), (9, 9854), (12, 9944), (14, 9989), (15, 9995), (21, 10100), (22, 10133), (29, 10271), (31, 10325), (34, 10418), (35, 10430), (40, 10580),

Gene: Colleen_14 Start: 9758, Stop: 10702, Start Num: 1
Candidate Starts for Colleen_14:
(Start: 1 @9758 has 4 MA's), (3, 9776), (9, 9854), (12, 9944), (14, 9989), (15, 9995), (21, 10100), (22, 10133), (29, 10271), (31, 10325), (34, 10418), (35, 10430), (40, 10580),

Gene: GAL1_15 Start: 9773, Stop: 10699, Start Num: 4
Candidate Starts for GAL1_15:
(4, 9773), (5, 9791), (6, 9839), (7, 9842), (8, 9845), (10, 9860), (20, 10091), (28, 10217), (30, 10319), (33, 10406), (36, 10436), (37, 10439), (38, 10445), (39, 10532),

Gene: MicyPS_12 Start: 8715, Stop: 9389, Start Num: 2
Candidate Starts for MicyPS_12:
(Start: 2 @8715 has 2 MA's), (11, 8886), (13, 8919), (14, 8937), (16, 8955), (17, 9006), (18, 9012), (19, 9024), (22, 9081), (23, 9099), (24, 9108), (25, 9132), (26, 9147), (27, 9150), (28, 9168), (31, 9273), (32, 9288),

Gene: PSonyx_12 Start: 8868, Stop: 9539, Start Num: 2
Candidate Starts for PSonyx_12:
(Start: 2 @8868 has 2 MA's), (11, 9039), (13, 9072), (14, 9090), (16, 9108), (17, 9159), (18, 9165), (19, 9177), (22, 9234), (23, 9252), (24, 9261), (25, 9285), (26, 9300), (31, 9426), (32, 9441),

Gene: PhaoMing_12 Start: 8393, Stop: 9319, Start Num: 4
Candidate Starts for PhaoMing_12:

(4, 8393), (5, 8411), (6, 8459), (7, 8462), (8, 8465), (10, 8480), (20, 8711), (28, 8837), (30, 8939), (33, 9026), (37, 9059), (38, 9065), (39, 9152),

Gene: Poushou_14 Start: 9758, Stop: 10702, Start Num: 1
Candidate Starts for Poushou_14:
(Start: 1 @9758 has 4 MA's), (3, 9776), (9, 9854), (12, 9944), (14, 9989), (15, 9995), (21, 10100), (22, 10133), (29, 10271), (31, 10325), (34, 10418), (35, 10430), (40, 10580),

Gene: Taotie_12 Start: 9765, Stop: 10436, Start Num: 2
Candidate Starts for Taotie_12:
(Start: 2 @9765 has 2 MA's), (11, 9936), (13, 9969), (14, 9987), (16, 10005), (17, 10056), (18, 10062), (19, 10074), (22, 10131), (23, 10149), (24, 10158), (25, 10182), (26, 10197), (31, 10323), (32, 10338),

Gene: TouchMeNot_14 Start: 9758, Stop: 10702, Start Num: 1
Candidate Starts for TouchMeNot_14:
(Start: 1 @9758 has 4 MA's), (3, 9776), (9, 9854), (12, 9944), (14, 9989), (15, 9995), (21, 10100), (22, 10133), (29, 10271), (31, 10325), (34, 10418), (35, 10430), (40, 10580),