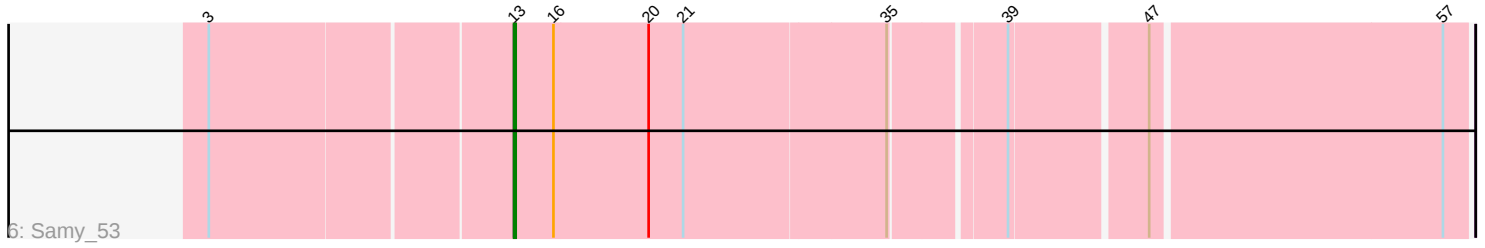
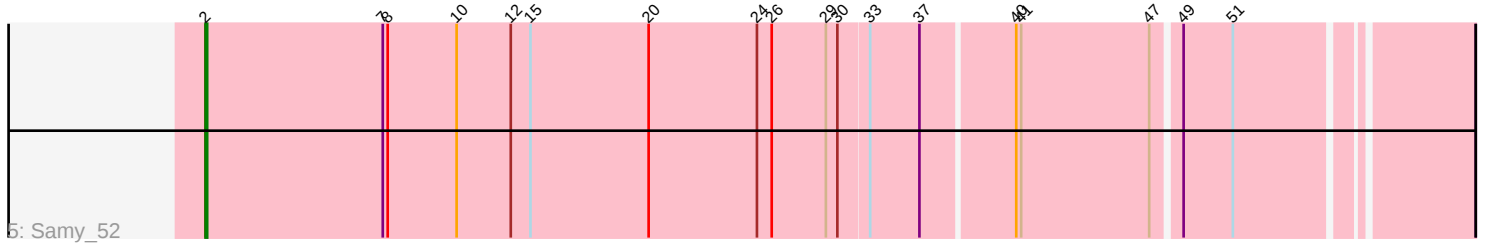
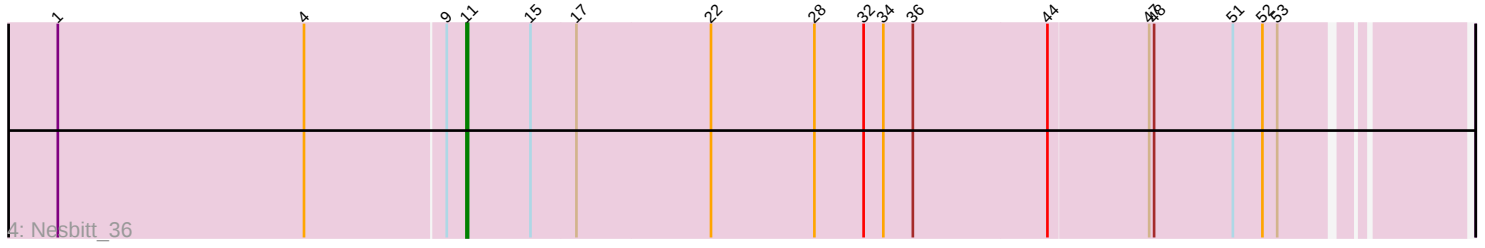
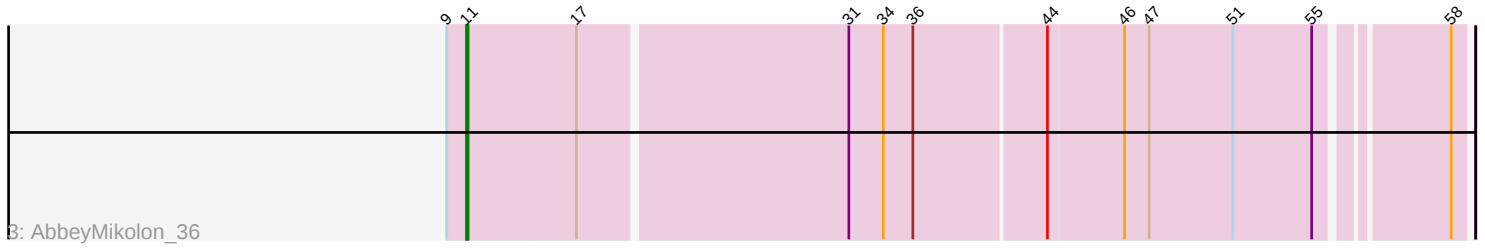
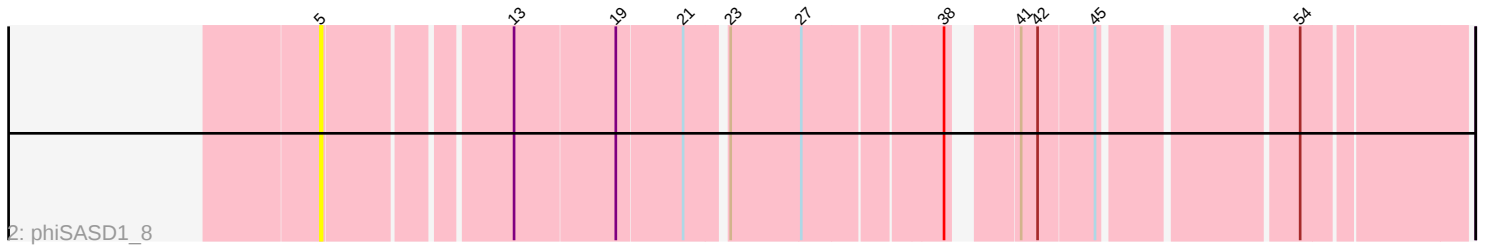
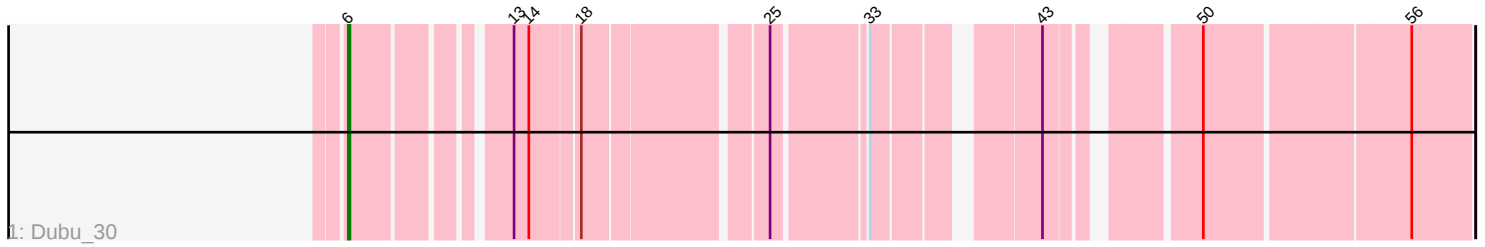


Pham 310156



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 310156 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310156 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Dubu_30
- Track 2 : phiSASD1_8
- Track 3 : AbbeyMikolon_36
- Track 4 : Nesbitt_36
- Track 5 : Samy_52
- Track 6 : Samy_53

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

The start number called the most often in the published annotations is 11, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbeyMikolon_36, Nesbitt_36,

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

-

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

- Dubu_30, Samy_52, Samy_53, phiSASD1_8,

Summary by start number:

Start 2:

- Found in 1 of 6 (16.7%) 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: Samy_52 (singleton),

Start 5:

- Found in 1 of 6 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: phiSASD1_8 (BJ),

Start 6:

- Found in 1 of 6 (16.7%) 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: Dubu_30 (BJ),

Start 11:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_36 (BL), Nesbitt_36 (BL),

Start 13:

- Found in 3 of 6 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Samy_53 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: BL, singleton, BJ,

Info for manual annotations of cluster BJ:

- Start number 6 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:

- Start number 11 was manually annotated 2 times for cluster BL.

Gene Information:

Gene: AbbeyMikolon_36 Start: 25162, Stop: 25740, Start Num: 11

Candidate Starts for AbbeyMikolon_36:

(9, 25150), (Start: 11 @25162 has 2 MA's), (17, 25228), (31, 25387), (34, 25408), (36, 25426), (44, 25504), (46, 25549), (47, 25564), (51, 25615), (55, 25663), (58, 25732),

Gene: Dubu_30 Start: 23164, Stop: 23727, Start Num: 6

Candidate Starts for Dubu_30:

(Start: 6 @23164 has 1 MA's), (Start: 13 @23242 has 1 MA's), (14, 23251), (18, 23278), (25, 23377), (33, 23425), (43, 23503), (50, 23575), (56, 23692),

Gene: Nesbitt_36 Start: 25175, Stop: 25762, Start Num: 11

Candidate Starts for Nesbitt_36:

(1, 24929), (4, 25079), (9, 25163), (Start: 11 @25175 has 2 MA's), (15, 25214), (17, 25241), (22, 25322), (28, 25385), (32, 25415), (34, 25427), (36, 25445), (44, 25526), (47, 25586), (48, 25589), (51, 25637), (52, 25655), (53, 25664),

Gene: Samy_52 Start: 34638, Stop: 35381, Start Num: 2

Candidate Starts for Samy_52:

(Start: 2 @34638 has 1 MA's), (7, 34746), (8, 34749), (10, 34791), (12, 34824), (15, 34836), (20, 34908), (24, 34974), (26, 34983), (29, 35016), (30, 35022), (33, 35040), (37, 35070), (40, 35124), (41,

35127), (47, 35205), (49, 35220), (51, 35250),

Gene: Samy_53 Start: 35455, Stop: 36003, Start Num: 13

Candidate Starts for Samy_53:

(3, 35278), (Start: 13 @35455 has 1 MA's), (16, 35479), (20, 35536), (21, 35557), (35, 35677), (39, 35740), (47, 35818), (57, 35989),

Gene: phiSASD1_8 Start: 23951, Stop: 24565, Start Num: 5

Candidate Starts for phiSASD1_8:

(5, 23951), (Start: 13 @24053 has 1 MA's), (19, 24113), (21, 24152), (23, 24173), (27, 24215), (38, 24293), (41, 24323), (42, 24332), (45, 24365), (54, 24473),