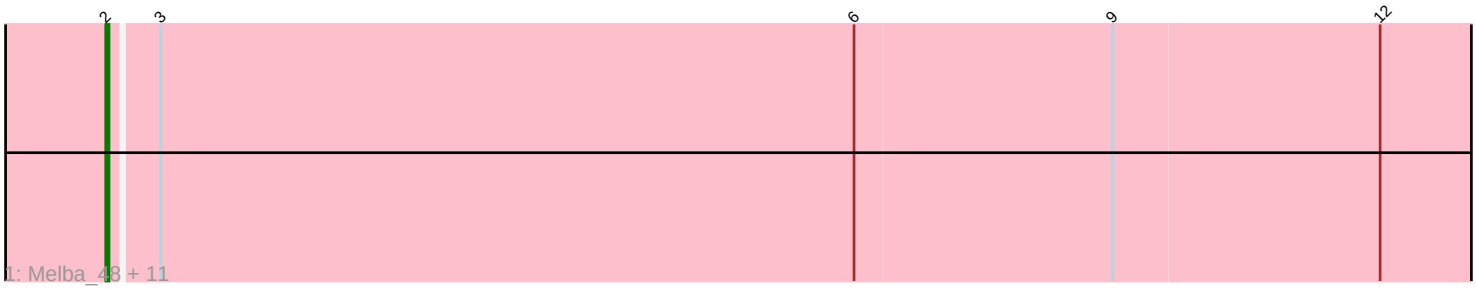
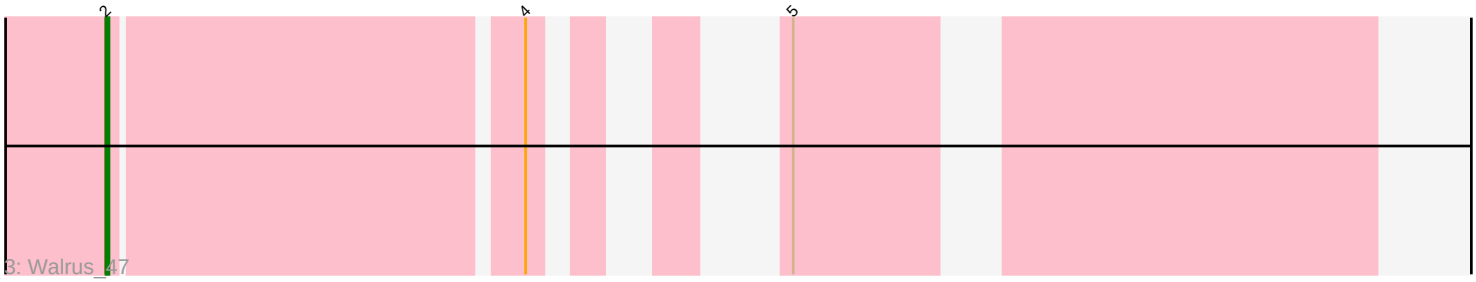
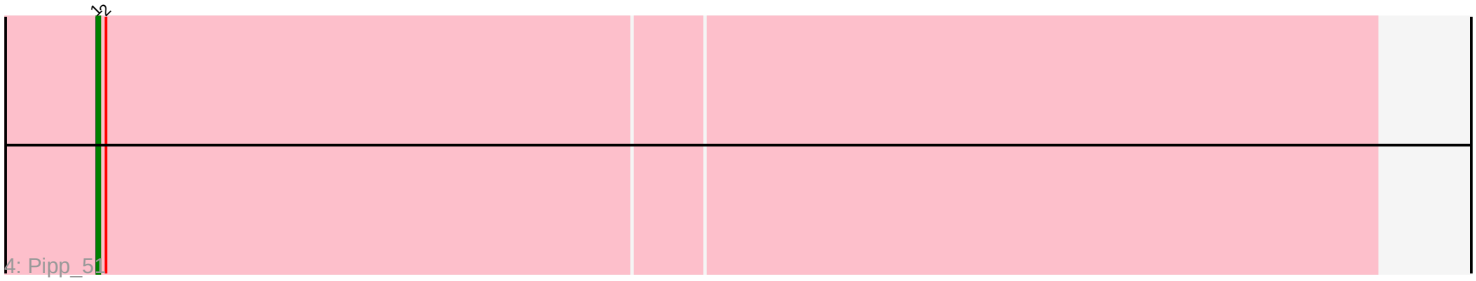
Pham 344489


2
3
6
9
12
1: Melba_48 + 11


2
3
8
11
2: PhrosteePhlake_50


2
4
5
3: Walrus_47


2
4: Pipp_52


2
3
7
8
10
5: Obliviate_45

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 344489 Report

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

Pham number 344489 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Melba_48, Delian_52, CaptainKirk2_49, BlingBling_46, MintFen_49, Hitter_49, Zarbodnamra_48, UmaThurman_46, Barco_47, Archis_52, Samba_48, Zilla_47
• Track 2 : PhrostedPhlake_50
• Track 3 : Walrus_47
• Track 4 : Pipp_51
• Track 5 : Obliviate_45

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

The start number called the most often in the published annotations is 2, it was called in 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archis_52, Barco_47, BlingBling_46, CaptainKirk2_49, Delian_52, Hitter_49, Melba_48, MintFen_49, PhrostedPhlake_50, Samba_48, UmaThurman_46, Walrus_47, Zarbodnamra_48, Zilla_47,

Genes that have the "Most Annotated" start but do not call it:
• Obliviate_45, Pipp_51,

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

Summary by start number:

Start 1:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Obliviate_45 (CV), Pipp_51 (CV),

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham

• Manual Annotations of this start: 14 of 16
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Archis_52 (CV), Barco_47 (CV), BlingBling_46 (CV), CaptainKirk2_49 (CV), Delian_52 (CV), Hitter_49 (CV), Melba_48 (CV), MintFen_49 (CV), PhrostedPhlake_50 (CV), Samba_48 (CV), UmaThurman_46 (CV), Walrus_47 (CV), Zarbodnamra_48 (CV), Zilla_47 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 1 was manually annotated 2 times for cluster CV.
•Start number 2 was manually annotated 14 times for cluster CV.

Gene Information:

Gene: Archis_52 Start: 34903, Stop: 35349, Start Num: 2
Candidate Starts for Archis_52:
(Start: 2 @34903 has 14 MA's), (3, 34918), (6, 35146), (9, 35230), (12, 35317),

Gene: Barco_47 Start: 33953, Stop: 34399, Start Num: 2
Candidate Starts for Barco_47:
(Start: 2 @33953 has 14 MA's), (3, 33968), (6, 34196), (9, 34280), (12, 34367),

Gene: BlingBling_46 Start: 34916, Stop: 35362, Start Num: 2
Candidate Starts for BlingBling_46:
(Start: 2 @34916 has 14 MA's), (3, 34931), (6, 35159), (9, 35243), (12, 35330),

Gene: CaptainKirk2_49 Start: 34201, Stop: 34647, Start Num: 2
Candidate Starts for CaptainKirk2_49:
(Start: 2 @34201 has 14 MA's), (3, 34216), (6, 34444), (9, 34528), (12, 34615),

Gene: Delian_52 Start: 34199, Stop: 34645, Start Num: 2
Candidate Starts for Delian_52:
(Start: 2 @34199 has 14 MA's), (3, 34214), (6, 34442), (9, 34526), (12, 34613),

Gene: Hitter_49 Start: 33995, Stop: 34441, Start Num: 2
Candidate Starts for Hitter_49:
(Start: 2 @33995 has 14 MA's), (3, 34010), (6, 34238), (9, 34322), (12, 34409),

Gene: Melba_48 Start: 34741, Stop: 35187, Start Num: 2
Candidate Starts for Melba_48:
(Start: 2 @34741 has 14 MA's), (3, 34756), (6, 34984), (9, 35068), (12, 35155),

Gene: MintFen_49 Start: 34815, Stop: 35261, Start Num: 2
Candidate Starts for MintFen_49:
(Start: 2 @34815 has 14 MA's), (3, 34830), (6, 35058), (9, 35142), (12, 35229),

Gene: Obliviate_45 Start: 32818, Stop: 33150, Start Num: 1
Candidate Starts for Obliviate_45:

(Start: 1 @32818 has 2 MA's), (Start: 2 @32821 has 14 MA's), (3, 32839), (7, 33040), (8, 33043), (10, 33097),

Gene: PhrostedPhlake_50 Start: 34263, Stop: 34589, Start Num: 2
Candidate Starts for PhrostedPhlake_50:
(Start: 2 @34263 has 14 MA's), (3, 34278), (8, 34482), (11, 34539),

Gene: Pipp_51 Start: 35235, Stop: 35651, Start Num: 1
Candidate Starts for Pipp_51:
(Start: 1 @35235 has 2 MA's), (Start: 2 @35238 has 14 MA's),

Gene: Samba_48 Start: 37028, Stop: 37474, Start Num: 2
Candidate Starts for Samba_48:
(Start: 2 @37028 has 14 MA's), (3, 37043), (6, 37271), (9, 37355), (12, 37442),

Gene: UmaThurman_46 Start: 35085, Stop: 35531, Start Num: 2
Candidate Starts for UmaThurman_46:
(Start: 2 @35085 has 14 MA's), (3, 35100), (6, 35328), (9, 35412), (12, 35499),

Gene: Walrus_47 Start: 34124, Stop: 34459, Start Num: 2
Candidate Starts for Walrus_47:
(Start: 2 @34124 has 14 MA's), (4, 34253), (5, 34289),

Gene: Zarbodnamra_48 Start: 34223, Stop: 34669, Start Num: 2
Candidate Starts for Zarbodnamra_48:
(Start: 2 @34223 has 14 MA's), (3, 34238), (6, 34466), (9, 34550), (12, 34637),

Gene: Zilla_47 Start: 33970, Stop: 34416, Start Num: 2
Candidate Starts for Zilla_47:
(Start: 2 @33970 has 14 MA's), (3, 33985), (6, 34213), (9, 34297), (12, 34384),