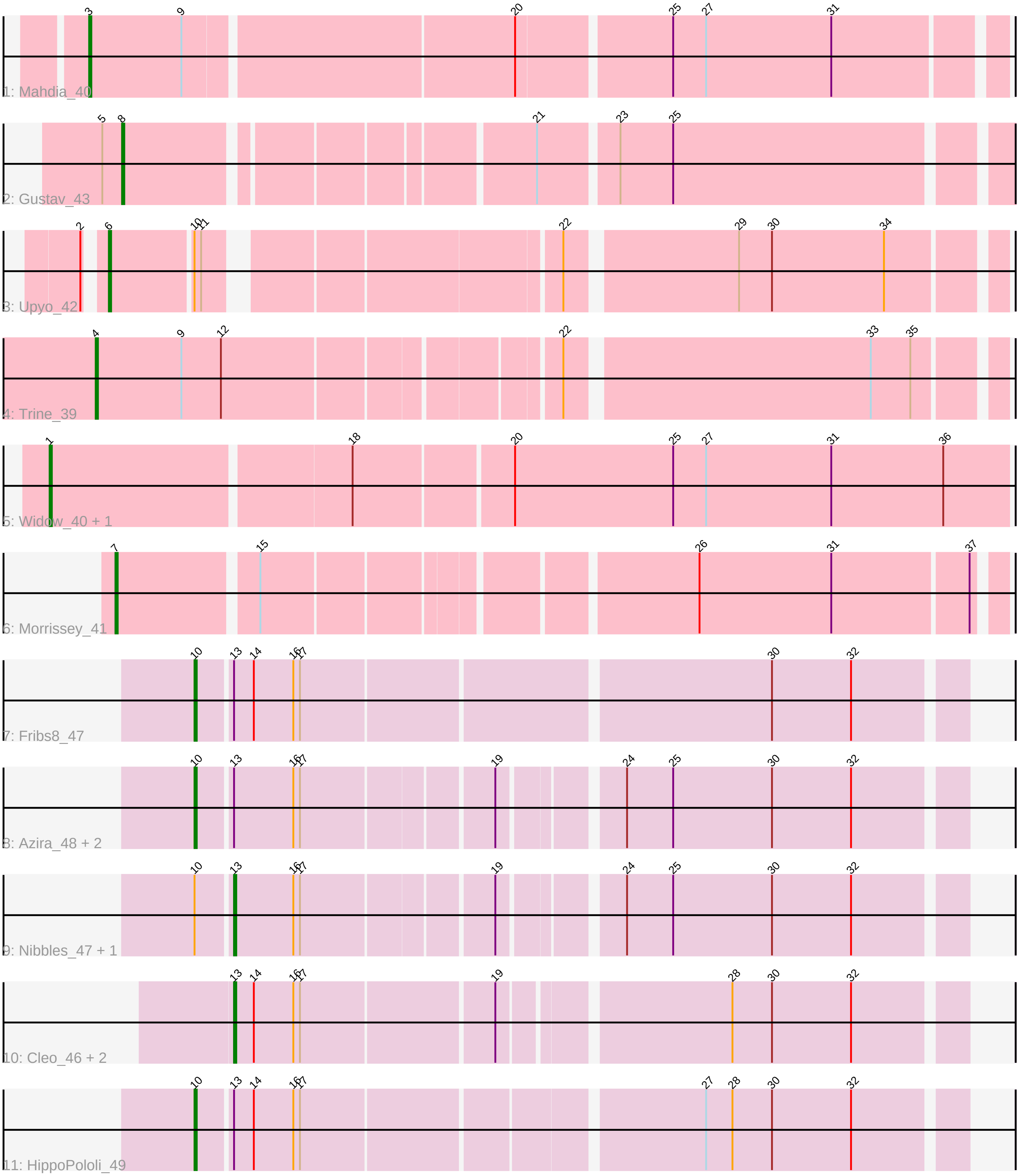
Pham 203386


3
9
20
25
27
31
1: Mahdia_40
5
8
21
23
25
2: Gustav_43
2
6
10
11
22
29
30
34
3: Upyo_42
4
9
12
22
33
35
4: Trine_39
1
18
20
25
27
31
36
5: Widow_40 + 1
7
15
26
31
37
6: Morrissey_41
10
13
14
16
17
30
32
7: Fribs8_47
10
13
16
17
19
24
25
30
32
8: Azira_48 + 2
10
13
16
17
19
24
25
30
32
9: Nibbles_47 + 1
13
14
16
17
19
28
30
32
10: Cleo_46 + 2
10
13
14
16
17
27
28
30
32
11: HippoPololi_49

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 203386 Report

This analysis was run 01/25/25 on database version 584.

Pham number 203386 has 17 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Mahdia_40
- Track 2 : Gustav_43
- Track 3 : Upyo_42
- Track 4 : Trine_39
- Track 5 : Widow_40, Puppers_38
- Track 6 : Morrissey_41
- Track 7 : Fribs8_47
- Track 8 : Azira_48, MaVan_48, Survivors_48
- Track 9 : Nibbles_47, Zareef_50
- Track 10 : Cleo_46, Gibbous_47, Dre3_47
- Track 11 : HippoPololi_49

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 5 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Azira_48, Fribs8_47, HippoPololi_49, MaVan_48, Survivors_48,

Genes that have the "Most Annotated" start but do not call it:
- Nibbles_47, Upyo_42, Zareef_50,

Genes that do not have the "Most Annotated" start:
- Cleo_46, Dre3_47, Gibbous_47, Gustav_43, Mahdia_40, Morrissey_41, Puppers_38, Trine_39, Widow_40,

Summary by start number:

Start 1:
- Found in 2 of 17 (11.8%) 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: Puppers_38 (CD), Widow_40 (CD),

Start 3:
- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mahdia_40 (CD),

Start 4:
- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trine_39 (CD),

Start 6:
- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Upyo_42 (CD),

Start 7:
- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Morrissey_41 (CD),

Start 8:
- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gustav_43 (CD),

Start 10:
- Found in 8 of 17 (47.1%) of genes in pham
- Manual Annotations of this start: 5 of 16
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Azira_48 (CT), Fribs8_47 (CT), HippoPololi_49 (CT), MaVan_48 (CT), Survivors_48 (CT),

Start 13:
- Found in 10 of 17 (58.8%) of genes in pham
- Manual Annotations of this start: 4 of 16
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Cleo_46 (CT), Dre3_47 (CT), Gibbous_47 (CT), Nibbles_47 (CT), Zareef_50 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: CD, CT,

Info for manual annotations of cluster CD:
- Start number 1 was manually annotated 2 times for cluster CD.
- Start number 3 was manually annotated 1 time for cluster CD.
- Start number 4 was manually annotated 1 time for cluster CD.

- Start number 6 was manually annotated 1 time for cluster CD.
- Start number 7 was manually annotated 1 time for cluster CD.
- Start number 8 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CT:
- Start number 10 was manually annotated 5 times for cluster CT.
- Start number 13 was manually annotated 4 times for cluster CT.

Gene Information:

Gene: Azira_48 Start: 36422, Stop: 36099, Start Num: 10
Candidate Starts for Azira_48:
(Start: 10 @36422 has 5 MA's), (Start: 13 @36407 has 4 MA's), (16, 36380), (17, 36377), (19, 36296), (24, 36248), (25, 36227), (30, 36182), (32, 36146),

Gene: Cleo_46 Start: 36154, Stop: 35843, Start Num: 13
Candidate Starts for Cleo_46:
(Start: 13 @36154 has 4 MA's), (14, 36145), (16, 36127), (17, 36124), (19, 36040), (28, 35944), (30, 35926), (32, 35890),

Gene: Dre3_47 Start: 35897, Stop: 35586, Start Num: 13
Candidate Starts for Dre3_47:
(Start: 13 @35897 has 4 MA's), (14, 35888), (16, 35870), (17, 35867), (19, 35783), (28, 35687), (30, 35669), (32, 35633),

Gene: Fribs8_47 Start: 36192, Stop: 35860, Start Num: 10
Candidate Starts for Fribs8_47:
(Start: 10 @36192 has 5 MA's), (Start: 13 @36177 has 4 MA's), (14, 36168), (16, 36150), (17, 36147), (30, 35943), (32, 35907),

Gene: Gibbous_47 Start: 35897, Stop: 35586, Start Num: 13
Candidate Starts for Gibbous_47:
(Start: 13 @35897 has 4 MA's), (14, 35888), (16, 35870), (17, 35867), (19, 35783), (28, 35687), (30, 35669), (32, 35633),

Gene: Gustav_43 Start: 32873, Stop: 32505, Start Num: 8
Candidate Starts for Gustav_43:
(5, 32882), (Start: 8 @32873 has 1 MA's), (21, 32705), (23, 32672), (25, 32648),

Gene: HippoPololi_49 Start: 36327, Stop: 35998, Start Num: 10
Candidate Starts for HippoPololi_49:
(Start: 10 @36327 has 5 MA's), (Start: 13 @36312 has 4 MA's), (14, 36303), (16, 36285), (17, 36282), (27, 36111), (28, 36099), (30, 36081), (32, 36045),

Gene: MaVan_48 Start: 36451, Stop: 36128, Start Num: 10
Candidate Starts for MaVan_48:
(Start: 10 @36451 has 5 MA's), (Start: 13 @36436 has 4 MA's), (16, 36409), (17, 36406), (19, 36325), (24, 36277), (25, 36256), (30, 36211), (32, 36175),

Gene: Mahdia_40 Start: 31815, Stop: 31420, Start Num: 3
Candidate Starts for Mahdia_40:

(Start: 3 @31815 has 1 MA's), (9, 31773), (20, 31629), (25, 31563), (27, 31548), (31, 31491),

Gene: Morrissey_41 Start: 32244, Stop: 31873, Start Num: 7
Candidate Starts for Morrissey_41:
(Start: 7 @32244 has 1 MA's), (15, 32184), (26, 32004), (31, 31944), (37, 31884),

Gene: Nibbles_47 Start: 36132, Stop: 35824, Start Num: 13
Candidate Starts for Nibbles_47:
(Start: 10 @36147 has 5 MA's), (Start: 13 @36132 has 4 MA's), (16, 36105), (17, 36102), (19, 36021), (24, 35973), (25, 35952), (30, 35907), (32, 35871),

Gene: Puppers_38 Start: 31067, Stop: 30642, Start Num: 1
Candidate Starts for Puppers_38:
(Start: 1 @31067 has 2 MA's), (18, 30935), (20, 30866), (25, 30794), (27, 30779), (31, 30722), (36, 30671),

Gene: Survivors_48 Start: 36347, Stop: 36024, Start Num: 10
Candidate Starts for Survivors_48:
(Start: 10 @36347 has 5 MA's), (Start: 13 @36332 has 4 MA's), (16, 36305), (17, 36302), (19, 36221), (24, 36173), (25, 36152), (30, 36107), (32, 36071),

Gene: Trine_39 Start: 31423, Stop: 31040, Start Num: 4
Candidate Starts for Trine_39:
(Start: 4 @31423 has 1 MA's), (9, 31384), (12, 31366), (22, 31225), (33, 31093), (35, 31075),

Gene: Upyo_42 Start: 32741, Stop: 32373, Start Num: 6
Candidate Starts for Upyo_42:
(2, 32747), (Start: 6 @32741 has 1 MA's), (Start: 10 @32705 has 5 MA's), (11, 32702), (22, 32558), (29, 32486), (30, 32471), (34, 32420),

Gene: Widow_40 Start: 32148, Stop: 31723, Start Num: 1
Candidate Starts for Widow_40:
(Start: 1 @32148 has 2 MA's), (18, 32016), (20, 31947), (25, 31875), (27, 31860), (31, 31803), (36, 31752),

Gene: Zareef_50 Start: 36426, Stop: 36118, Start Num: 13
Candidate Starts for Zareef_50:
(Start: 10 @36441 has 5 MA's), (Start: 13 @36426 has 4 MA's), (16, 36399), (17, 36396), (19, 36315), (24, 36267), (25, 36246), (30, 36201), (32, 36165),