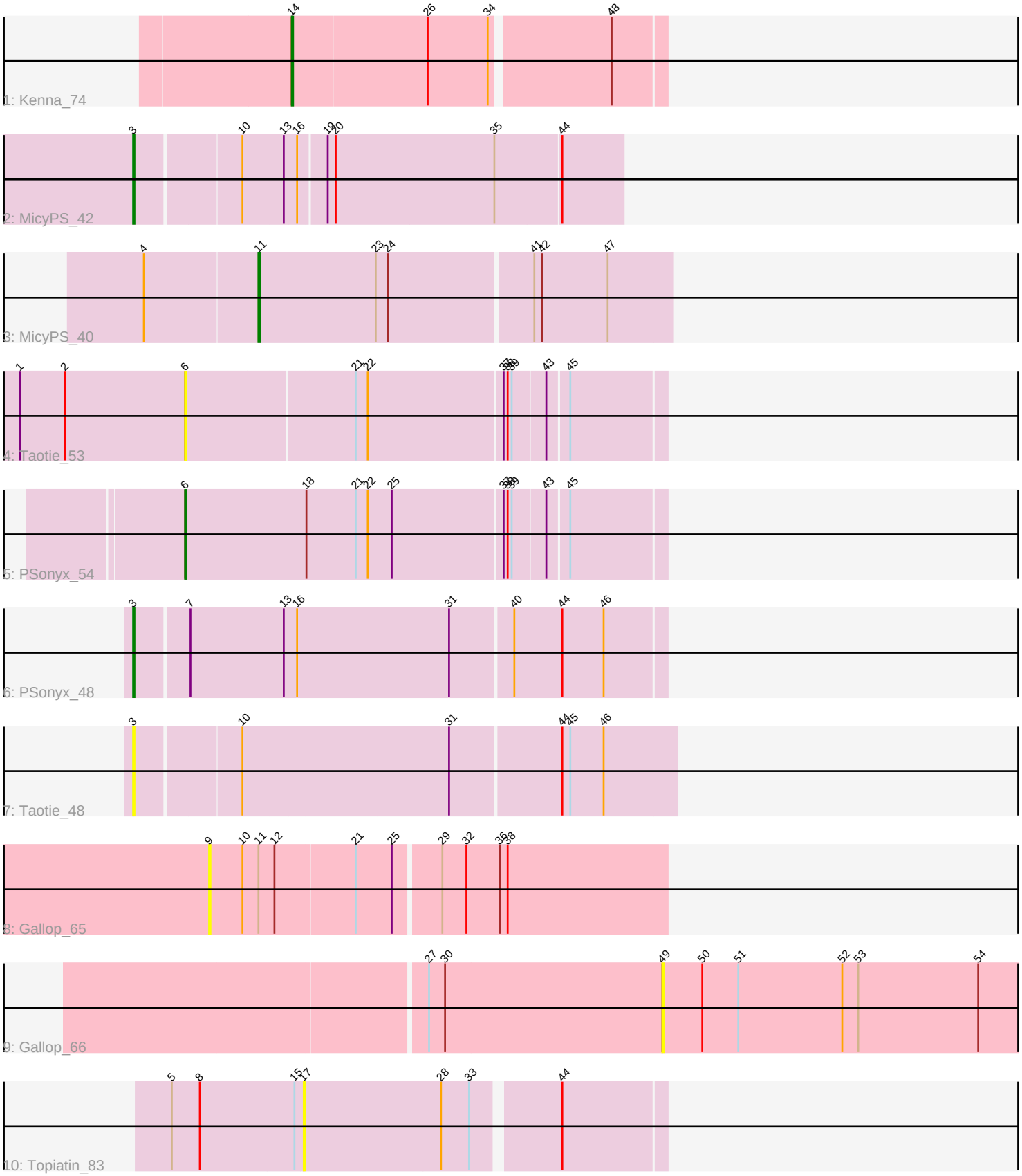
Pham 348260


14
26
34
48
1: Kenna_74
3
10
13
16
19
20
35
44
2: MicyPS_42
4
11
23
24
41
42
47
3: MicyPS_40
1
2
6
21
22
43
45
4: Taotie_53
6
18
21
22
25
43
45
5: PSonyx_54
3
7
13
16
31
40
44
46
6: PSonyx_48
3
10
31
44
45
46
7: Taotie_48
9
10
11
12
21
25
29
32
36
38
8: Gallop_65
27
30
49
50
51
52
53
54
9: Gallop_66
5
8
15
17
28
33
44
10: Topiatin_83

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 348260 Report

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

Pham number 348260 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Kenna_74
• Track 2 : MicyPS_42
• Track 3 : MicyPS_40
• Track 4 : Taotie_53
• Track 5 : PSonyx_54
• Track 6 : PSonyx_48
• Track 7 : Taotie_48
• Track 8 : Gallop_65
• Track 9 : Gallop_66
• Track 10 : Topiatin_83

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MicyPS_42, PSonyx_48, Taotie_48,

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

Genes that do not have the "Most Annotated" start:
• Gallop_65, Gallop_66, Kenna_74, MicyPS_40, PSonyx_54, Taotie_53, Topiatin_83,

Summary by start number:

Start 3:
• Found in 3 of 10 (30.0%) 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: MicyPS_42 (EQ), PSonyx_48 (EQ), Taotie_48 (EQ),

Start 6:
• Found in 2 of 10 (20.0%) 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: PSonyx_54 (EQ), Taotie_53 (EQ),

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gallop_65 (ES),

Start 11:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MicyPS_40 (EQ),

Start 14:
• Found in 1 of 10 (10.0%) 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: Kenna_74 (DN1),

Start 17:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Topiatin_83 (F1),

Start 49:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gallop_66 (ES),

Summary by clusters:

There are 4 clusters represented in this pham: F1, EQ, ES, DN1,

Info for manual annotations of cluster DN1:
•Start number 14 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster EQ:
•Start number 3 was manually annotated 2 times for cluster EQ.
•Start number 6 was manually annotated 1 time for cluster EQ.
•Start number 11 was manually annotated 1 time for cluster EQ.

Gene Information:

Gene: Gallop_65 Start: 43534, Stop: 43866, Start Num: 9
Candidate Starts for Gallop_65:
(9, 43534), (10, 43558), (Start: 11 @43570 has 1 MA's), (12, 43582), (21, 43639), (25, 43666), (29, 43699), (32, 43717), (36, 43741), (38, 43747),

Gene: Gallop_66 Start: 43863, Stop: 44246, Start Num: 49
Candidate Starts for Gallop_66:
(27, 43689), (30, 43701), (49, 43863), (50, 43893), (51, 43920), (52, 43998), (53, 44010), (54, 44100),

Gene: Kenna_74 Start: 44226, Stop: 44492, Start Num: 14
Candidate Starts for Kenna_74:
(Start: 14 @44226 has 1 MA's), (26, 44325), (34, 44370), (48, 44454),

Gene: MicyPS_42 Start: 33832, Stop: 33485, Start Num: 3
Candidate Starts for MicyPS_42:
(Start: 3 @33832 has 2 MA's), (10, 33757), (13, 33727), (16, 33718), (19, 33700), (20, 33694), (35, 33577), (44, 33529),

Gene: MicyPS_40 Start: 33292, Stop: 32990, Start Num: 11
Candidate Starts for MicyPS_40:
(4, 33376), (Start: 11 @33292 has 1 MA's), (23, 33205), (24, 33196), (41, 33091), (42, 33085), (47, 33037),

Gene: PSonyx_54 Start: 36309, Stop: 35962, Start Num: 6
Candidate Starts for PSonyx_54:
(Start: 6 @36309 has 1 MA's), (18, 36219), (21, 36183), (22, 36174), (25, 36156), (37, 36075), (38, 36072), (39, 36069), (43, 36045), (45, 36030),

Gene: PSonyx_48 Start: 34648, Stop: 34265, Start Num: 3
Candidate Starts for PSonyx_48:
(Start: 3 @34648 has 2 MA's), (7, 34609), (13, 34540), (16, 34531), (31, 34420), (40, 34375), (44, 34339), (46, 34309),

Gene: Taotie_53 Start: 33869, Stop: 33528, Start Num: 6
Candidate Starts for Taotie_53:
(1, 33992), (2, 33959), (Start: 6 @33869 has 1 MA's), (21, 33749), (22, 33740), (37, 33641), (38, 33638), (39, 33635), (43, 33611), (45, 33596),

Gene: Taotie_48 Start: 32717, Stop: 32328, Start Num: 3
Candidate Starts for Taotie_48:
(Start: 3 @32717 has 2 MA's), (10, 32642), (31, 32492), (44, 32411), (45, 32405), (46, 32381),

Gene: Topiatin_83 Start: 49070, Stop: 49327, Start Num: 17
Candidate Starts for Topiatin_83:
(5, 48974), (8, 48995), (15, 49064), (17, 49070), (28, 49172), (33, 49193), (44, 49253),