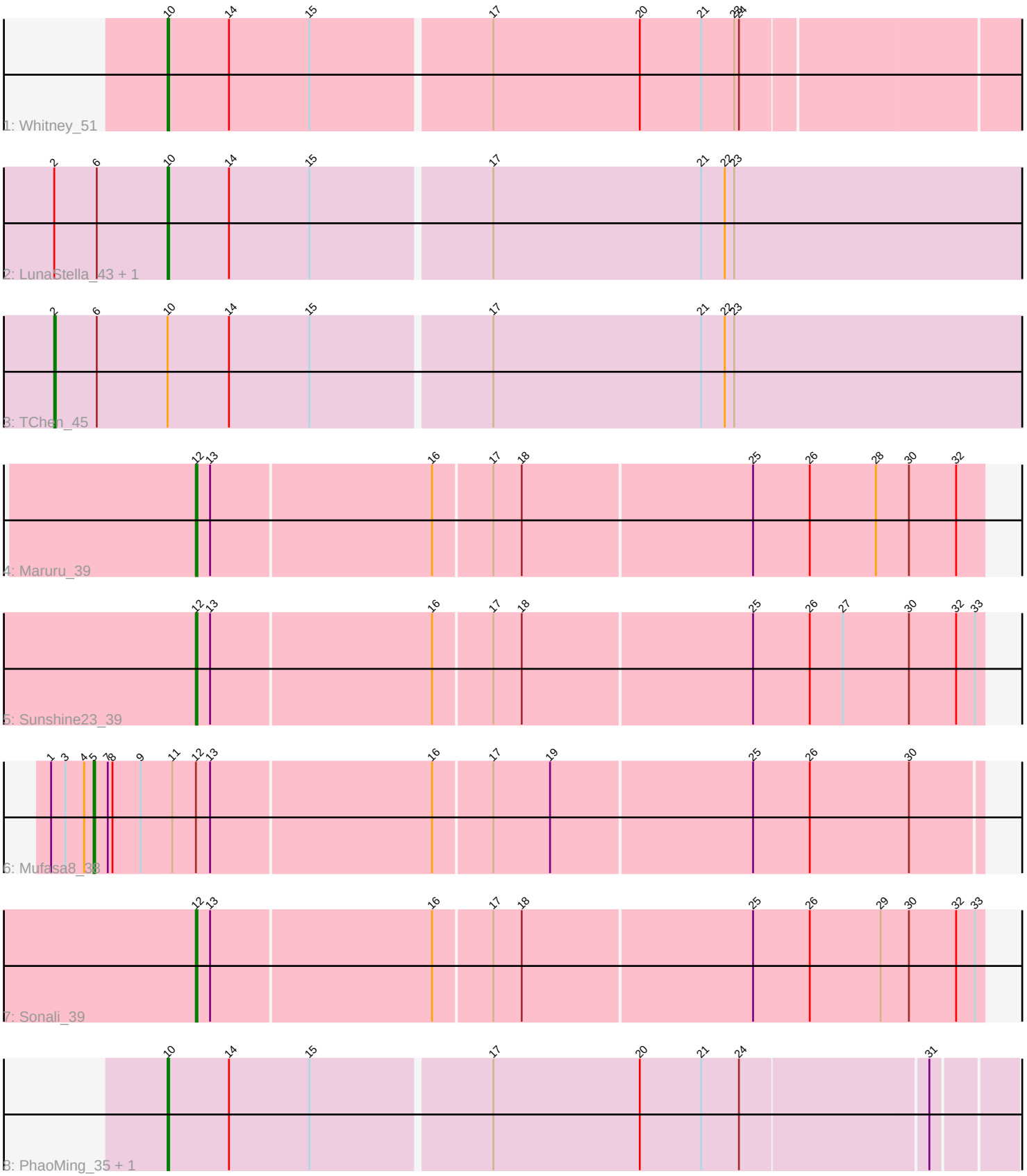
Pham 348238


10
14
15
17
20
21
23
24
1: Whitney_51
2
6
10
14
15
17
21
22
23
2: LunaStella_43 + 1
2
6
10
14
15
17
21
22
23
3: TChen_45
12
13
16
17
18
25
26
28
30
32
4: Maruru_39
12
13
16
17
18
25
26
27
30
32
33
5: Sunshine23_39
1
3
4
5
7
8
9
11
12
13
16
17
19
25
26
30
6: Mufasa8_38
12
13
16
17
18
25
26
29
30
32
33
7: Sonali_39
10
14
15
17
20
21
24
31
8: PhaoMing_35 + 1

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 348238 Report

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

Pham number 348238 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Whitney_51
• Track 2 : LunaStella_43, MooMoo_42
• Track 3 : TChen_45
• Track 4 : Maruru_39
• Track 5 : Sunshine23_39
• Track 6 : Mufasa8_38
• Track 7 : Sonali_39
• Track 8 : PhaoMing_35, BearBQ_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 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BearBQ_49, LunaStella_43, MooMoo_42, PhaoMing_35, Whitney_51,

Genes that have the "Most Annotated" start but do not call it:
• TChen_45,

Genes that do not have the "Most Annotated" start:
• Maruru_39, Mufasa8_38, Sonali_39, Sunshine23_39,

Summary by start number:

Start 2:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: TChen_45 (F4),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mufasa8_38 (FG),

Start 10:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 83.3% of time when present
• Phage (with cluster) where this start called: BearBQ_49 (DN), LunaStella_43 (F4), MooMoo_42 (singleton), PhaoMing_35 (UNK), Whitney_51 (DN1),

Start 12:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Maruru_39 (FG), Sonali_39 (FG), Sunshine23_39 (FG),

Summary by clusters:

There are 6 clusters represented in this pham: DN, singleton, F4, DN1, FG, UNK,

Info for manual annotations of cluster DN:
•Start number 10 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 10 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster F4:
•Start number 2 was manually annotated 1 time for cluster F4.
•Start number 10 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster FG:
•Start number 5 was manually annotated 1 time for cluster FG.
•Start number 12 was manually annotated 3 times for cluster FG.

Gene Information:

Gene: BearBQ_49 Start: 36610, Stop: 36059, Start Num: 10
Candidate Starts for BearBQ_49:
(Start: 10 @36610 has 4 MA's), (14, 36571), (15, 36520), (17, 36409), (20, 36316), (21, 36277), (24, 36253), (31, 36139),

Gene: LunaStella_43 Start: 33572, Stop: 33000, Start Num: 10
Candidate Starts for LunaStella_43:
(Start: 2 @33644 has 1 MA's), (6, 33617), (Start: 10 @33572 has 4 MA's), (14, 33533), (15, 33482), (17, 33371), (21, 33239), (22, 33224), (23, 33218),

Gene: Maruru_39 Start: 33215, Stop: 32724, Start Num: 12
Candidate Starts for Maruru_39:

(Start: 12 @33215 has 3 MA's), (13, 33206), (16, 33068), (17, 33032), (18, 33014), (25, 32870), (26, 32834), (28, 32792), (30, 32771), (32, 32741),

Gene: MooMoo_42 Start: 33848, Stop: 33276, Start Num: 10
Candidate Starts for MooMoo_42:
(Start: 2 @33920 has 1 MA's), (6, 33893), (Start: 10 @33848 has 4 MA's), (14, 33809), (15, 33758), (17, 33647), (21, 33515), (22, 33500), (23, 33494),

Gene: Mufasa8_38 Start: 31447, Stop: 30896, Start Num: 5
Candidate Starts for Mufasa8_38:
(1, 31474), (3, 31465), (4, 31453), (Start: 5 @31447 has 1 MA's), (7, 31438), (8, 31435), (9, 31417), (11, 31399), (Start: 12 @31384 has 3 MA's), (13, 31375), (16, 31237), (17, 31201), (19, 31165), (25, 31039), (26, 31003), (30, 30940),

Gene: PhaoMing_35 Start: 32096, Stop: 31545, Start Num: 10
Candidate Starts for PhaoMing_35:
(Start: 10 @32096 has 4 MA's), (14, 32057), (15, 32006), (17, 31895), (20, 31802), (21, 31763), (24, 31739), (31, 31625),

Gene: Sonali_39 Start: 33678, Stop: 33187, Start Num: 12
Candidate Starts for Sonali_39:
(Start: 12 @33678 has 3 MA's), (13, 33669), (16, 33531), (17, 33495), (18, 33477), (25, 33333), (26, 33297), (29, 33252), (30, 33234), (32, 33204), (33, 33192),

Gene: Sunshine23_39 Start: 33553, Stop: 33062, Start Num: 12
Candidate Starts for Sunshine23_39:
(Start: 12 @33553 has 3 MA's), (13, 33544), (16, 33406), (17, 33370), (18, 33352), (25, 33208), (26, 33172), (27, 33151), (30, 33109), (32, 33079), (33, 33067),

Gene: TChen_45 Start: 35595, Stop: 34951, Start Num: 2
Candidate Starts for TChen_45:
(Start: 2 @35595 has 1 MA's), (6, 35568), (Start: 10 @35523 has 4 MA's), (14, 35484), (15, 35433), (17, 35322), (21, 35190), (22, 35175), (23, 35169),

Gene: Whitney_51 Start: 36847, Stop: 36284, Start Num: 10
Candidate Starts for Whitney_51:
(Start: 10 @36847 has 4 MA's), (14, 36808), (15, 36757), (17, 36646), (20, 36553), (21, 36514), (23, 36493), (24, 36490),