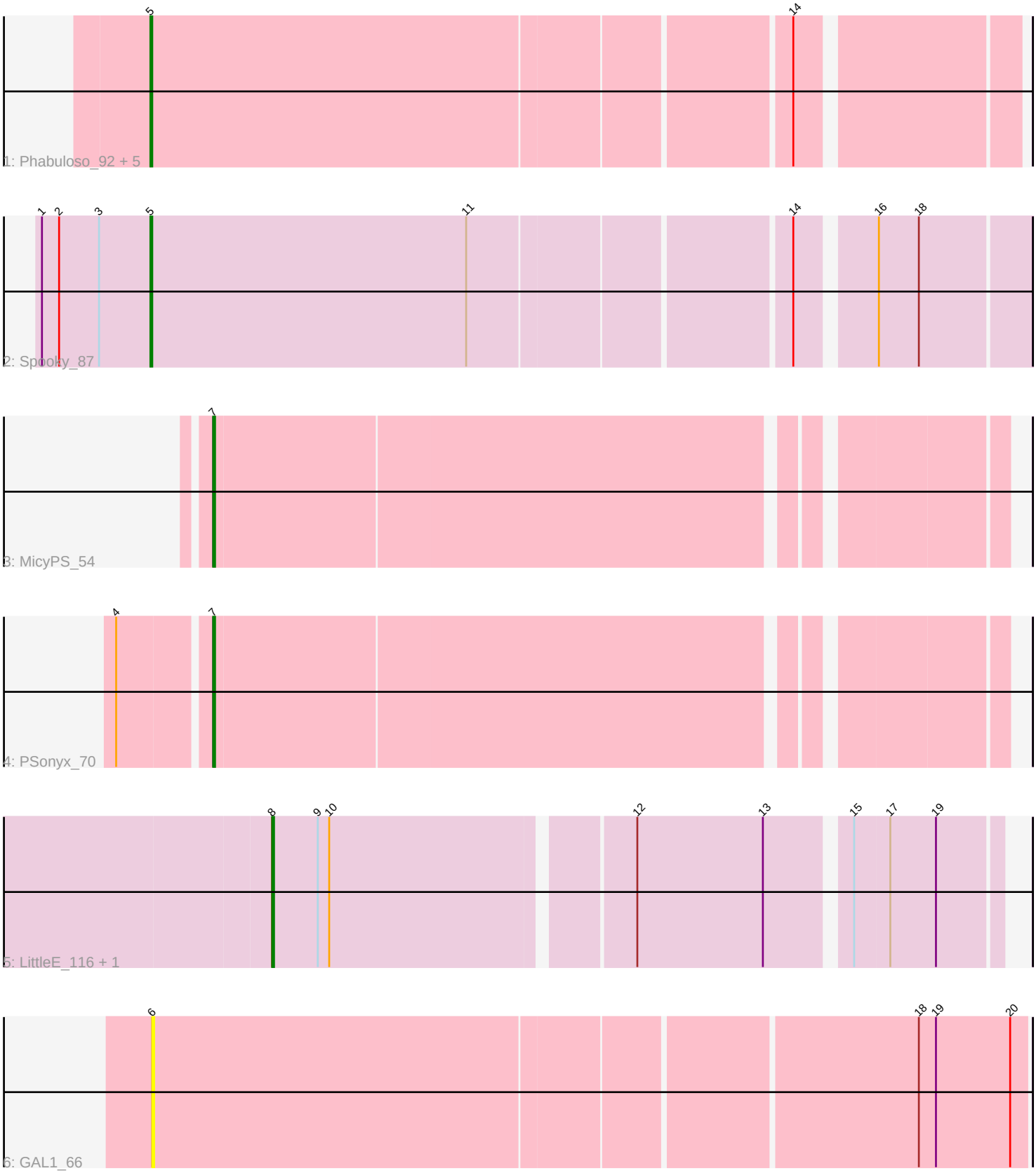
Pham 331436


5
14
1: Phabuloso_92 + 5
1
2
3
5
11
14
16
18
2: Spooky_87
7
3: MicyPS_54
4
7
4: PSonyx_70
8
9
10
12
13
15
17
19
5: LittleE_116 + 1
6
18
19
20
6: GAL1_66

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 331436 Report

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

Pham number 331436 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Phabuloso_92, Kenna_80, Lutum_86, Getalong_88, BotCity_87, BENtherdunthat_85
• Track 2 : Spooky_87
• Track 3 : MicyPS_54
• Track 4 : PSonyx_70
• Track 5 : LittleE_116, Omega_121
• Track 6 : GAL1_66

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BENtherdunthat_85, BotCity_87, Getalong_88, Kenna_80, Lutum_86, Phabuloso_92, Spooky_87,

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

Genes that do not have the "Most Annotated" start:
• GAL1_66, LittleE_116, MicyPS_54, Omega_121, PSonyx_70,

Summary by start number:

Start 5:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BENtherdunthat_85 (DN1), BotCity_87 (DN), Getalong_88 (DN1), Kenna_80 (DN1), Lutum_86 (DN1), Phabuloso_92 (DN1), Spooky_87 (DN2),

Start 6:

• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GAL1_66 (singleton),

Start 7:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MicyPS_54 (EQ), PSonyx_70 (EQ),

Start 8:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleE_116 (J), Omega_121 (J),

Summary by clusters:

There are 6 clusters represented in this pham: DN, singleton, J, DN1, DN2, EQ,

Info for manual annotations of cluster DN:
•Start number 5 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 5 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 5 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster EQ:
•Start number 7 was manually annotated 2 times for cluster EQ.

Info for manual annotations of cluster J:
•Start number 8 was manually annotated 2 times for cluster J.

Gene Information:

Gene: BENtherdunthat_85 Start: 47138, Stop: 47569, Start Num: 5
Candidate Starts for BENtherdunthat_85:
(Start: 5 @47138 has 7 MA's), (14, 47462),

Gene: BotCity_87 Start: 48667, Stop: 49098, Start Num: 5
Candidate Starts for BotCity_87:
(Start: 5 @48667 has 7 MA's), (14, 48991),

Gene: GAL1_66 Start: 42130, Stop: 42576, Start Num: 6
Candidate Starts for GAL1_66:
(6, 42130), (18, 42520), (19, 42529), (20, 42568),

Gene: Getalong_88 Start: 49593, Stop: 50024, Start Num: 5

Candidate Starts for Getalong_88:
(Start: 5 @49593 has 7 MA's), (14, 49917),

Gene: Kenna_80 Start: 46411, Stop: 46842, Start Num: 5
Candidate Starts for Kenna_80:
(Start: 5 @46411 has 7 MA's), (14, 46735),

Gene: LittleE_116 Start: 64262, Stop: 64621, Start Num: 8
Candidate Starts for LittleE_116:
(Start: 8 @64262 has 2 MA's), (9, 64286), (10, 64292), (12, 64442), (13, 64508), (15, 64547), (17, 64565), (19, 64589),

Gene: Lutum_86 Start: 47573, Stop: 48004, Start Num: 5
Candidate Starts for Lutum_86:
(Start: 5 @47573 has 7 MA's), (14, 47897),

Gene: MicyPS_54 Start: 38387, Stop: 37998, Start Num: 7
Candidate Starts for MicyPS_54:
(Start: 7 @38387 has 2 MA's),

Gene: Omega_121 Start: 65277, Stop: 65636, Start Num: 8
Candidate Starts for Omega_121:
(Start: 8 @65277 has 2 MA's), (9, 65301), (10, 65307), (12, 65457), (13, 65523), (15, 65562), (17, 65580), (19, 65604),

Gene: PSonyx_70 Start: 41626, Stop: 41237, Start Num: 7
Candidate Starts for PSonyx_70:
(4, 41671), (Start: 7 @41626 has 2 MA's),

Gene: Phabuloso_92 Start: 49065, Stop: 49496, Start Num: 5
Candidate Starts for Phabuloso_92:
(Start: 5 @49065 has 7 MA's), (14, 49389),

Gene: Spooky_87 Start: 48761, Stop: 49198, Start Num: 5
Candidate Starts for Spooky_87:
(1, 48704), (2, 48713), (3, 48734), (Start: 5 @48761 has 7 MA's), (11, 48926), (14, 49085), (16, 49121), (18, 49142),