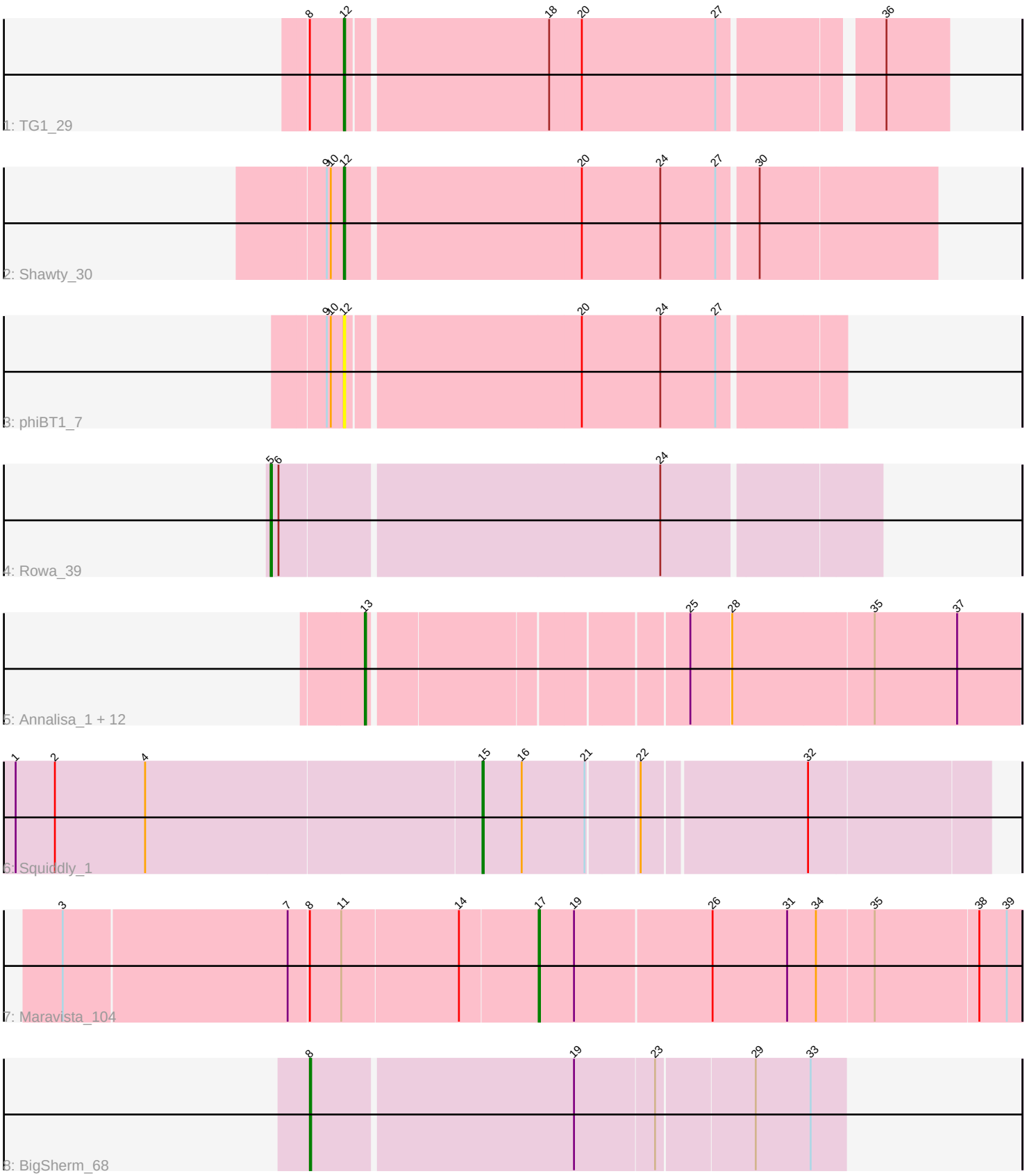
Pham 312019


8
12
18
20
27
36
1: TG1_29
9
10
12
20
24
27
30
2: Shawty_30
9
10
12
20
24
27
3: phiBT1_7
5
6
24
4: Rowa_39
13
25
28
35
37
5: Annalisa_1 + 12
1
2
4
15
16
21
22
32
6: Squiddly_1
3
7
8
11
14
17
19
26
31
34
35
38
39
7: Maravista_104
8
19
23
29
33
8: BigSherm_68

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 312019 Report

This analysis was run 06/27/26 on database version 652.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 312019 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : TG1_29
• Track 2 : Shawty_30
• Track 3 : phiBT1_7
• Track 4 : Rowa_39
• Track 5 : Annalisa_1, MichaelScott_1, Easley_1, Clark_1, Rizz_2, Invectra_1, Beenie_1, Samman98_1, Tuti_1, Thimann_1, Dolores_1, WinkNick_1, Sekhmet_1
• Track 6 : Squiddly_1
• Track 7 : Maravista_104
• Track 8 : BigSherm_68

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

The start number called the most often in the published annotations is 13, it was called in 12 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annalisa_1, Beenie_1, Clark_1, Dolores_1, Easley_1, Invectra_1, MichaelScott_1, Rizz_2, Samman98_1, Sekhmet_1, Thimann_1, Tuti_1, WinkNick_1,

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

Genes that do not have the "Most Annotated" start:
• BigSherm_68, Maravista_104, Rowa_39, Shawty_30, Squiddly_1, TG1_29, phiBT1_7,

Summary by start number:

Start 5:
• Found in 1 of 20 (5.0%) of genes in pham

• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rowa_39 (BL),

Start 8:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BigSherm_68 (FF),

Start 12:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shawty_30 (BB1), TG1_29 (BB1), phiBT1_7 (BB1),

Start 13:
• Found in 13 of 20 (65.0%) of genes in pham
• Manual Annotations of this start: 12 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Annalisa_1 (CZ4), Beenie_1 (CZ4), Clark_1 (CZ4), Dolores_1 (CZ4), Easley_1 (CZ4), Invectra_1 (CZ4), MichaelScott_1 (CZ4), Rizz_2 (CZ4), Samman98_1 (CZ4), Sekhmet_1 (CZ4), Thimann_1 (CZ4), Tuti_1 (CZ4), WinkNick_1 (CZ4),

Start 15:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Squiddly_1 (DN2),

Start 17:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Maravista_104 (F1),

Summary by clusters:

There are 6 clusters represented in this pham: F1, BL, CZ4, FF, DN2, BB1,

Info for manual annotations of cluster BB1:
•Start number 12 was manually annotated 2 times for cluster BB1.

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

Info for manual annotations of cluster CZ4:
•Start number 13 was manually annotated 12 times for cluster CZ4.

Info for manual annotations of cluster DN2:
•Start number 15 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster F1:
•Start number 17 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FF:
•Start number 8 was manually annotated 1 time for cluster FF.

Gene Information:

Gene: Annalisa_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Annalisa_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Beenie_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Beenie_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: BigSherm_68 Start: 41205, Stop: 41600, Start Num: 8
Candidate Starts for BigSherm_68:
(Start: 8 @41205 has 1 MA's), (19, 41400), (23, 41460), (29, 41532), (33, 41574),

Gene: Clark_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Clark_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Dolores_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Dolores_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Easley_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Easley_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Invectra_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Invectra_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Maravista_104 Start: 59702, Stop: 60061, Start Num: 17
Candidate Starts for Maravista_104:
(3, 59351), (7, 59519), (Start: 8 @59534 has 1 MA's), (11, 59558), (14, 59645), (Start: 17 @59702 has 1 MA's), (19, 59729), (26, 59831), (31, 59888), (34, 59909), (35, 59951), (38, 60029), (39, 60050),

Gene: MichaelScott_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for MichaelScott_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Rizz_2 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Rizz_2:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Rowa_39 Start: 26669, Stop: 27115, Start Num: 5

Candidate Starts for Rowa_39:
(Start: 5 @26669 has 1 MA's), (6, 26675), (24, 26957),

Gene: Samman98_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Samman98_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Sekhmet_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Sekhmet_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Shawty_30 Start: 23340, Stop: 23774, Start Num: 12
Candidate Starts for Shawty_30:
(9, 23328), (10, 23331), (Start: 12 @23340 has 2 MA's), (20, 23514), (24, 23574), (27, 23616), (30, 23643),

Gene: Squiddly_1 Start: 362, Stop: 730, Start Num: 15
Candidate Starts for Squiddly_1:
(1, 11), (2, 41), (4, 110), (Start: 15 @362 has 1 MA's), (16, 392), (21, 440), (22, 476), (32, 596),

Gene: TG1_29 Start: 22916, Stop: 23344, Start Num: 12
Candidate Starts for TG1_29:
(Start: 8 @22892 has 1 MA's), (Start: 12 @22916 has 2 MA's), (18, 23063), (20, 23087), (27, 23189), (36, 23297),

Gene: Thimann_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Thimann_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: Tuti_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for Tuti_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: WinkNick_1 Start: 47, Stop: 517, Start Num: 13
Candidate Starts for WinkNick_1:
(Start: 13 @47 has 12 MA's), (25, 272), (28, 302), (35, 407), (37, 470),

Gene: phiBT1_7 Start: 24178, Stop: 24540, Start Num: 12
Candidate Starts for phiBT1_7:
(9, 24166), (10, 24169), (Start: 12 @24178 has 2 MA's), (20, 24349), (24, 24409), (27, 24451),