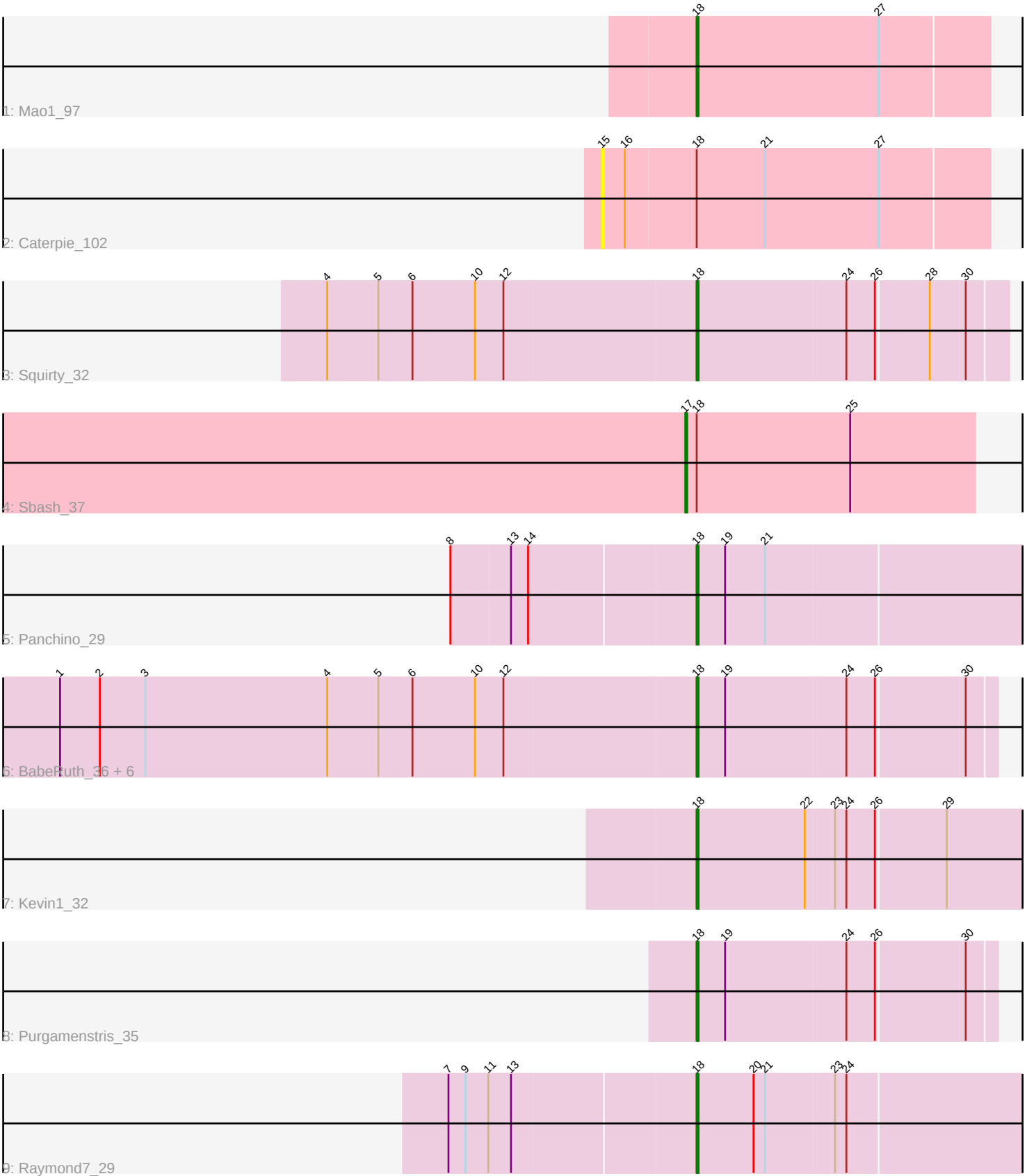


Pham 309517



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 309517 Report

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

Pham number 309517 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Mao1_97
- Track 2 : Caterpie_102
- Track 3 : Squirty_32
- Track 4 : Sbash_37
- Track 5 : Panchino_29
- Track 6 : BabeRuth_36, ShrimpFriedEgg_35, Spinach_35, Nenae_35, Hanako_35, Redi_35, PhancyPhin_35
- Track 7 : Kevin1_32
- Track 8 : Purgamenstris_35
- Track 9 : Raymond7_29

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

The start number called the most often in the published annotations is 18, it was called in 13 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabeRuth_36, Hanako_35, Kevin1_32, Mao1_97, Nenae_35, Panchino_29, PhancyPhin_35, Purgamenstris_35, Raymond7_29, Redi_35, ShrimpFriedEgg_35, Spinach_35, Squirty_32,

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

- Caterpie_102, Sbash_37,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 15:

- Found in 1 of 15 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caterpie_102 (AD),

Start 17:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sbash_37 (I2),

Start 18:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 14
- Called 86.7% of time when present
- Phage (with cluster) where this start called: BabeRuth_36 (N), Hanako_35 (N), Kevin1_32 (N), Mao1_97 (AD), Nenae_35 (N), Panchino_29 (N), PhancyPhin_35 (N), Purgamenstris_35 (N), Raymond7_29 (N), Redi_35 (N), ShrimpFriedEgg_35 (N), Spinach_35 (N), Squirty_32 (F3),

Summary by clusters:

There are 4 clusters represented in this pham: I2, AD, F3, N,

Info for manual annotations of cluster AD:

- Start number 18 was manually annotated 1 time for cluster AD.

Info for manual annotations of cluster F3:

- Start number 18 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster I2:

- Start number 17 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:

- Start number 18 was manually annotated 11 times for cluster N.

Gene Information:

Gene: BabeRuth_36 Start: 27631, Stop: 27479, Start Num: 18

Candidate Starts for BabeRuth_36:

(1, 27964), (2, 27943), (3, 27919), (4, 27823), (5, 27796), (6, 27778), (10, 27745), (12, 27730), (Start: 18 @27631 has 13 MA's), (19, 27616), (24, 27553), (26, 27538), (30, 27493),

Gene: Caterpie_102 Start: 61915, Stop: 61715, Start Num: 15

Candidate Starts for Caterpie_102:

(15, 61915), (16, 61903), (Start: 18 @61867 has 13 MA's), (21, 61831), (27, 61771),

Gene: Hanako_35 Start: 27630, Stop: 27478, Start Num: 18

Candidate Starts for Hanako_35:

(1, 27963), (2, 27942), (3, 27918), (4, 27822), (5, 27795), (6, 27777), (10, 27744), (12, 27729), (Start: 18 @27630 has 13 MA's), (19, 27615), (24, 27552), (26, 27537), (30, 27492),

Gene: Kevin1_32 Start: 26597, Stop: 26424, Start Num: 18

Candidate Starts for Kevin1_32:

(Start: 18 @26597 has 13 MA's), (22, 26540), (23, 26525), (24, 26519), (26, 26504), (29, 26468),

Gene: Mao1_97 Start: 63379, Stop: 63227, Start Num: 18

Candidate Starts for Mao1_97:

(Start: 18 @63379 has 13 MA's), (27, 63283),

Gene: Nenae_35 Start: 27633, Stop: 27481, Start Num: 18

Candidate Starts for Nenae_35:

(1, 27966), (2, 27945), (3, 27921), (4, 27825), (5, 27798), (6, 27780), (10, 27747), (12, 27732), (Start: 18 @27633 has 13 MA's), (19, 27618), (24, 27555), (26, 27540), (30, 27495),

Gene: Panchino_29 Start: 27165, Stop: 26995, Start Num: 18

Candidate Starts for Panchino_29:

(8, 27288), (13, 27258), (14, 27249), (Start: 18 @27165 has 13 MA's), (19, 27150), (21, 27129),

Gene: PhancyPhin_35 Start: 27627, Stop: 27475, Start Num: 18

Candidate Starts for PhancyPhin_35:

(1, 27960), (2, 27939), (3, 27915), (4, 27819), (5, 27792), (6, 27774), (10, 27741), (12, 27726), (Start: 18 @27627 has 13 MA's), (19, 27612), (24, 27549), (26, 27534), (30, 27489),

Gene: Purgamenstris_35 Start: 27630, Stop: 27478, Start Num: 18

Candidate Starts for Purgamenstris_35:

(Start: 18 @27630 has 13 MA's), (19, 27615), (24, 27552), (26, 27537), (30, 27492),

Gene: Raymond7_29 Start: 27456, Stop: 27286, Start Num: 18

Candidate Starts for Raymond7_29:

(7, 27582), (9, 27573), (11, 27561), (13, 27549), (Start: 18 @27456 has 13 MA's), (20, 27426), (21, 27420), (23, 27384), (24, 27378),

Gene: Redi_35 Start: 27630, Stop: 27478, Start Num: 18

Candidate Starts for Redi_35:

(1, 27963), (2, 27942), (3, 27918), (4, 27822), (5, 27795), (6, 27777), (10, 27744), (12, 27729), (Start: 18 @27630 has 13 MA's), (19, 27615), (24, 27552), (26, 27537), (30, 27492),

Gene: Sbash_37 Start: 31773, Stop: 31621, Start Num: 17

Candidate Starts for Sbash_37:

(Start: 17 @31773 has 1 MA's), (Start: 18 @31767 has 13 MA's), (25, 31686),

Gene: ShrimpFriedEgg_35 Start: 27630, Stop: 27478, Start Num: 18

Candidate Starts for ShrimpFriedEgg_35:

(1, 27963), (2, 27942), (3, 27918), (4, 27822), (5, 27795), (6, 27777), (10, 27744), (12, 27729), (Start: 18 @27630 has 13 MA's), (19, 27615), (24, 27552), (26, 27537), (30, 27492),

Gene: Spinach_35 Start: 27630, Stop: 27478, Start Num: 18

Candidate Starts for Spinach_35:

(1, 27963), (2, 27942), (3, 27918), (4, 27822), (5, 27795), (6, 27777), (10, 27744), (12, 27729), (Start: 18 @27630 has 13 MA's), (19, 27615), (24, 27552), (26, 27537), (30, 27492),

Gene: Squirty_32 Start: 27855, Stop: 27697, Start Num: 18

Candidate Starts for Squirty_32:

(4, 28047), (5, 28020), (6, 28002), (10, 27969), (12, 27954), (Start: 18 @27855 has 13 MA's), (24, 27777), (26, 27762), (28, 27735), (30, 27717),