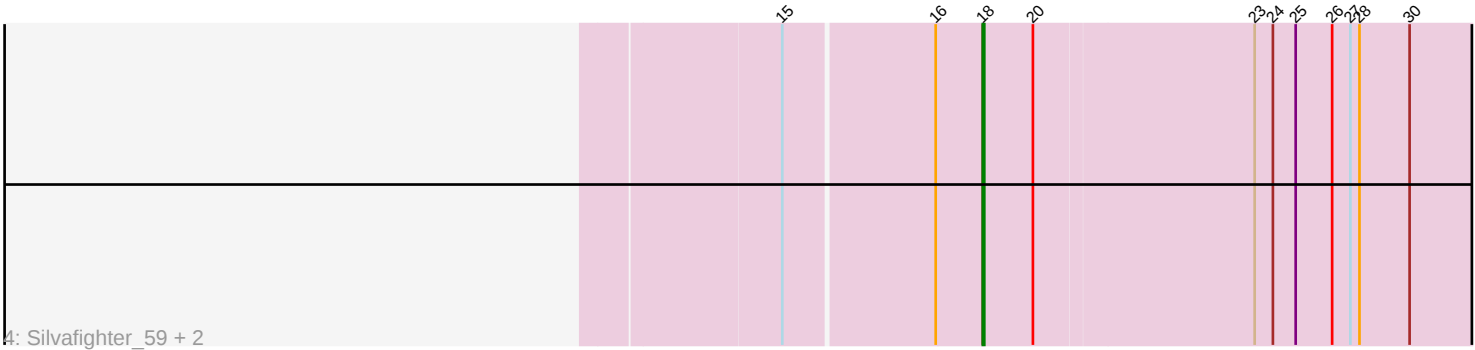
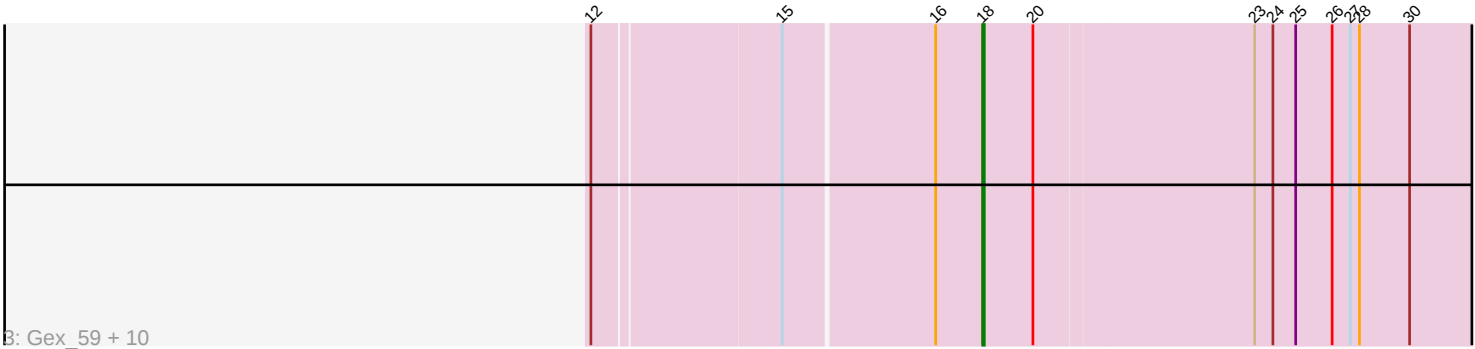
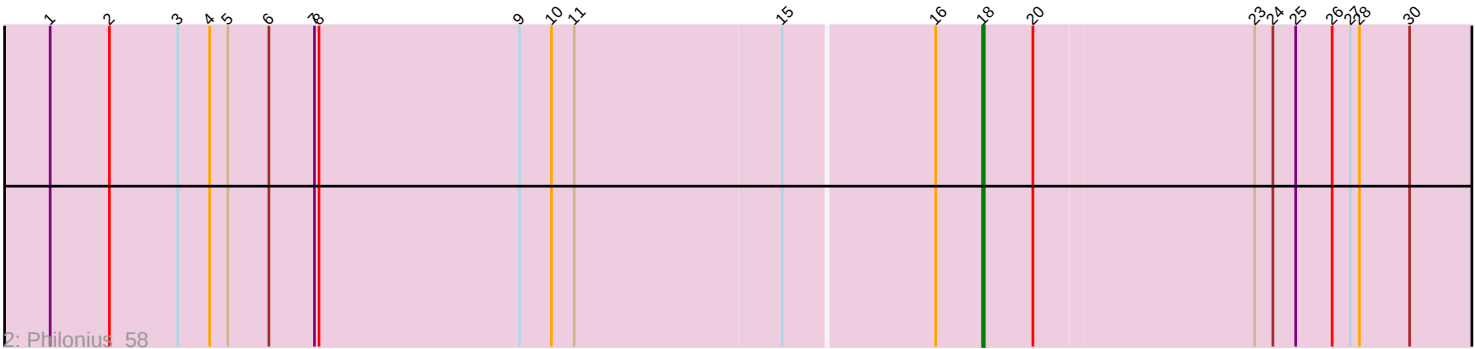
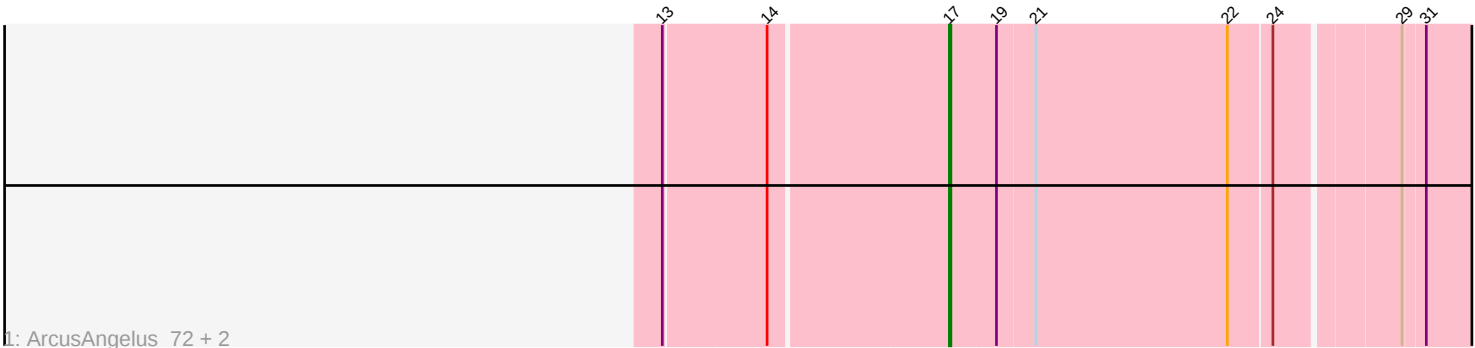


Pham 331305



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 331305 Report

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

Pham number 331305 has 18 members, 1 are drafts.

Phages represented in each track:

- Track 1 : ArcusAngelus_72, Tweety_70, Chevrolet_74
- Track 2 : Philonius_58
- Track 3 : Gex_59, Pipsqueaks_59, Parmesanjohn_58, Tessdabest_58, Schnauzer_59, Fulbright_56, Xerxes_58, Smurph_58, Phloss_56, Magsby_58, Carcharodon_58
- Track 4 : Silvafighter_59, Melville_63, Duplicity_56

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 14 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Carcharodon_58, Duplicity_56, Fulbright_56, Gex_59, Magsby_58, Melville_63, Parmesanjohn_58, Philonius_58, Phloss_56, Pipsqueaks_59, Schnauzer_59, Silvafighter_59, Smurph_58, Tessdabest_58, Xerxes_58,

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

-

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

- ArcusAngelus_72, Chevrolet_74, Tweety_70,

Summary by start number:

Start 17:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 3 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArcusAngelus_72 (F1), Chevrolet_74 (F1), Tweety_70 (F1),

Start 18:

- Found in 15 of 18 (83.3%) of genes in pham

- Manual Annotations of this start: 14 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Carcharodon_58 (N), Duplicity_56 (N), Fulbright_56 (N), Gex_59 (N), Magsby_58 (N), Melville_63 (N), Parmesanjohn_58 (N), Philonius_58 (N), Phloss_56 (N), Pipsqueaks_59 (N), Schnauzer_59 (N), Silvafighter_59 (N), Smurph_58 (N), Tessdabest_58 (N), Xerxes_58 (N),

Summary by clusters:

There are 2 clusters represented in this pham: F1, N,

Info for manual annotations of cluster F1:

- Start number 17 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster N:

- Start number 18 was manually annotated 14 times for cluster N.

Gene Information:

Gene: ArcusAngelus_72 Start: 44167, Stop: 44517, Start Num: 17

Candidate Starts for ArcusAngelus_72:

(13, 43990), (14, 44053), (Start: 17 @44167 has 3 MA's), (19, 44197), (21, 44221), (22, 44347), (24, 44374), (29, 44449), (31, 44461),

Gene: Carcharodon_58 Start: 37518, Stop: 37880, Start Num: 18

Candidate Starts for Carcharodon_58:

(12, 37275), (15, 37392), (16, 37488), (Start: 18 @37518 has 14 MA's), (20, 37551), (23, 37692), (24, 37704), (25, 37719), (26, 37743), (27, 37755), (28, 37761), (30, 37794),

Gene: Chevrolet_74 Start: 44168, Stop: 44518, Start Num: 17

Candidate Starts for Chevrolet_74:

(13, 43991), (14, 44054), (Start: 17 @44168 has 3 MA's), (19, 44198), (21, 44222), (22, 44348), (24, 44375), (29, 44450), (31, 44462),

Gene: Duplicity_56 Start: 36775, Stop: 37137, Start Num: 18

Candidate Starts for Duplicity_56:

(15, 36649), (16, 36745), (Start: 18 @36775 has 14 MA's), (20, 36808), (23, 36949), (24, 36961), (25, 36976), (26, 37000), (27, 37012), (28, 37018), (30, 37051),

Gene: Fulbright_56 Start: 36212, Stop: 36574, Start Num: 18

Candidate Starts for Fulbright_56:

(12, 35969), (15, 36086), (16, 36182), (Start: 18 @36212 has 14 MA's), (20, 36245), (23, 36386), (24, 36398), (25, 36413), (26, 36437), (27, 36449), (28, 36455), (30, 36488),

Gene: Gex_59 Start: 37534, Stop: 37896, Start Num: 18

Candidate Starts for Gex_59:

(12, 37291), (15, 37408), (16, 37504), (Start: 18 @37534 has 14 MA's), (20, 37567), (23, 37708), (24, 37720), (25, 37735), (26, 37759), (27, 37771), (28, 37777), (30, 37810),

Gene: Magsby_58 Start: 37535, Stop: 37897, Start Num: 18

Candidate Starts for Magsby_58:

(12, 37292), (15, 37409), (16, 37505), (Start: 18 @37535 has 14 MA's), (20, 37568), (23, 37709), (24, 37721), (25, 37736), (26, 37760), (27, 37772), (28, 37778), (30, 37811),

Gene: Melville_63 Start: 37089, Stop: 37451, Start Num: 18

Candidate Starts for Melville_63:

(15, 36963), (16, 37059), (Start: 18 @37089 has 14 MA's), (20, 37122), (23, 37263), (24, 37275), (25, 37290), (26, 37314), (27, 37326), (28, 37332), (30, 37365),

Gene: Parmesanjohn_58 Start: 37538, Stop: 37900, Start Num: 18

Candidate Starts for Parmesanjohn_58:

(12, 37295), (15, 37412), (16, 37508), (Start: 18 @37538 has 14 MA's), (20, 37571), (23, 37712), (24, 37724), (25, 37739), (26, 37763), (27, 37775), (28, 37781), (30, 37814),

Gene: Philonius_58 Start: 37703, Stop: 38065, Start Num: 18

Candidate Starts for Philonius_58:

(1, 37097), (2, 37136), (3, 37181), (4, 37202), (5, 37214), (6, 37241), (7, 37271), (8, 37274), (9, 37406), (10, 37427), (11, 37442), (15, 37577), (16, 37673), (Start: 18 @37703 has 14 MA's), (20, 37736), (23, 37877), (24, 37889), (25, 37904), (26, 37928), (27, 37940), (28, 37946), (30, 37979),

Gene: Phloss_56 Start: 36945, Stop: 37307, Start Num: 18

Candidate Starts for Phloss_56:

(12, 36702), (15, 36819), (16, 36915), (Start: 18 @36945 has 14 MA's), (20, 36978), (23, 37119), (24, 37131), (25, 37146), (26, 37170), (27, 37182), (28, 37188), (30, 37221),

Gene: Pipsqueaks_59 Start: 37516, Stop: 37878, Start Num: 18

Candidate Starts for Pipsqueaks_59:

(12, 37273), (15, 37390), (16, 37486), (Start: 18 @37516 has 14 MA's), (20, 37549), (23, 37690), (24, 37702), (25, 37717), (26, 37741), (27, 37753), (28, 37759), (30, 37792),

Gene: Schnauzer_59 Start: 37538, Stop: 37900, Start Num: 18

Candidate Starts for Schnauzer_59:

(12, 37295), (15, 37412), (16, 37508), (Start: 18 @37538 has 14 MA's), (20, 37571), (23, 37712), (24, 37724), (25, 37739), (26, 37763), (27, 37775), (28, 37781), (30, 37814),

Gene: Silvafighter_59 Start: 37081, Stop: 37443, Start Num: 18

Candidate Starts for Silvafighter_59:

(15, 36955), (16, 37051), (Start: 18 @37081 has 14 MA's), (20, 37114), (23, 37255), (24, 37267), (25, 37282), (26, 37306), (27, 37318), (28, 37324), (30, 37357),

Gene: Smurph_58 Start: 37538, Stop: 37900, Start Num: 18

Candidate Starts for Smurph_58:

(12, 37295), (15, 37412), (16, 37508), (Start: 18 @37538 has 14 MA's), (20, 37571), (23, 37712), (24, 37724), (25, 37739), (26, 37763), (27, 37775), (28, 37781), (30, 37814),

Gene: Tessdabest_58 Start: 37671, Stop: 38033, Start Num: 18

Candidate Starts for Tessdabest_58:

(12, 37428), (15, 37545), (16, 37641), (Start: 18 @37671 has 14 MA's), (20, 37704), (23, 37845), (24, 37857), (25, 37872), (26, 37896), (27, 37908), (28, 37914), (30, 37947),

Gene: Tweety_70 Start: 45248, Stop: 45598, Start Num: 17

Candidate Starts for Tweety_70:

(13, 45071), (14, 45134), (Start: 17 @45248 has 3 MA's), (19, 45278), (21, 45302), (22, 45428), (24, 45455), (29, 45530), (31, 45542),

Gene: Xerxes_58 Start: 37535, Stop: 37897, Start Num: 18

Candidate Starts for Xerxes_58:

(12, 37292), (15, 37409), (16, 37505), (Start: 18 @37535 has 14 MA's), (20, 37568), (23, 37709), (24, 37721), (25, 37736), (26, 37760), (27, 37772), (28, 37778), (30, 37811),