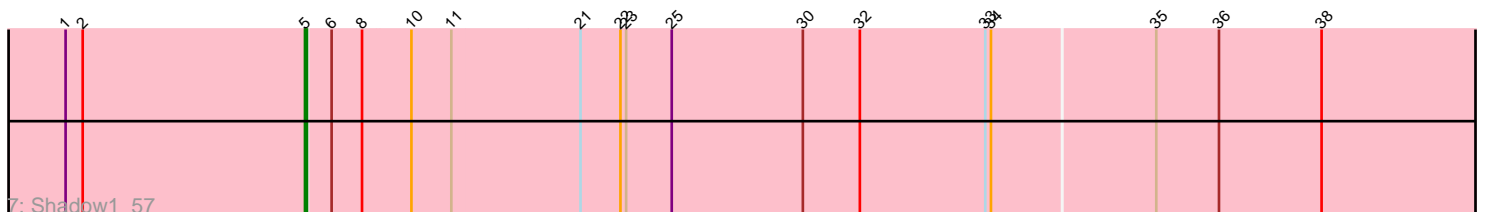
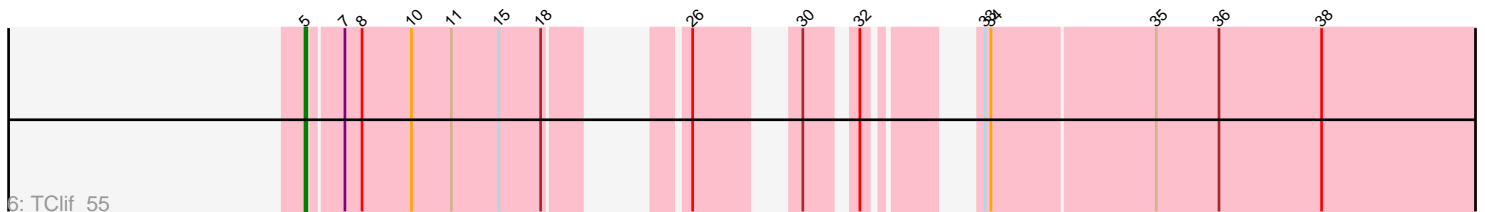
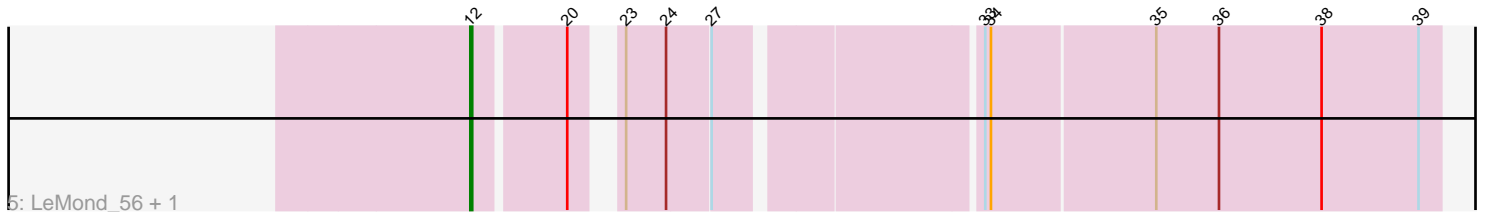
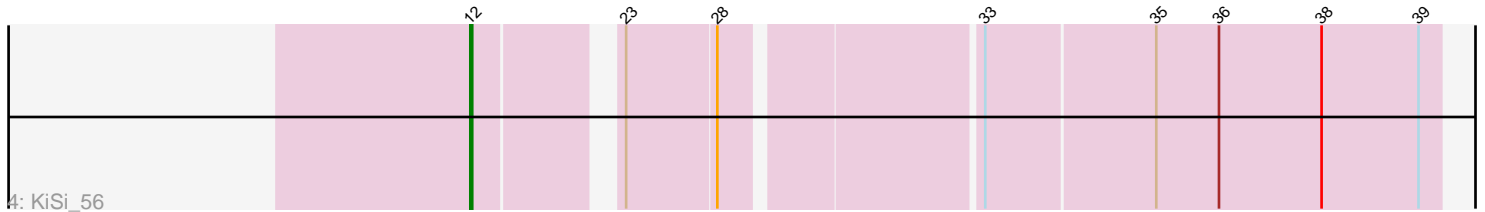
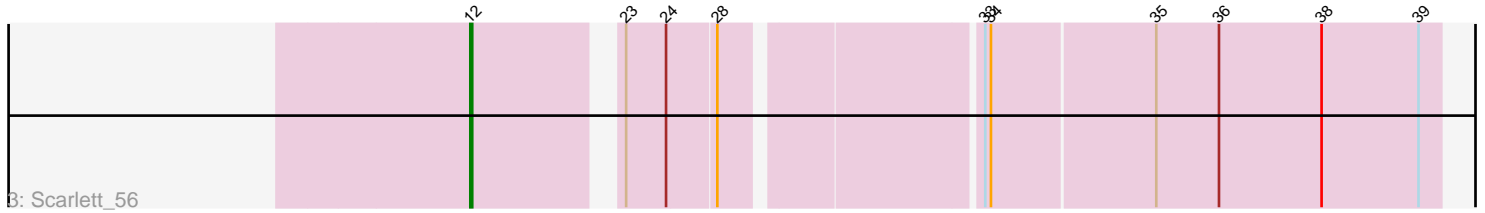
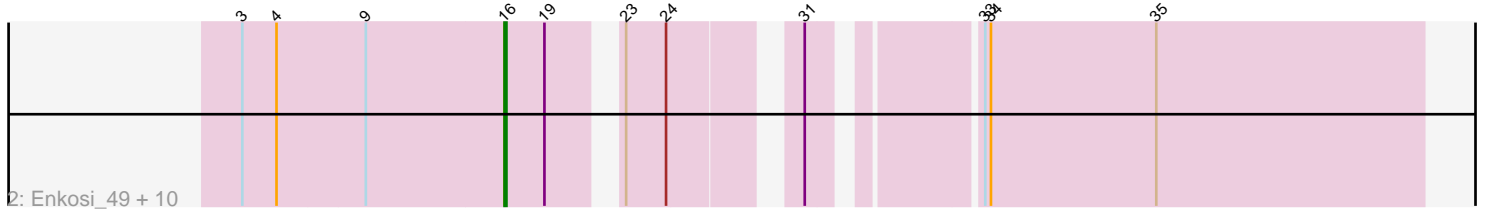
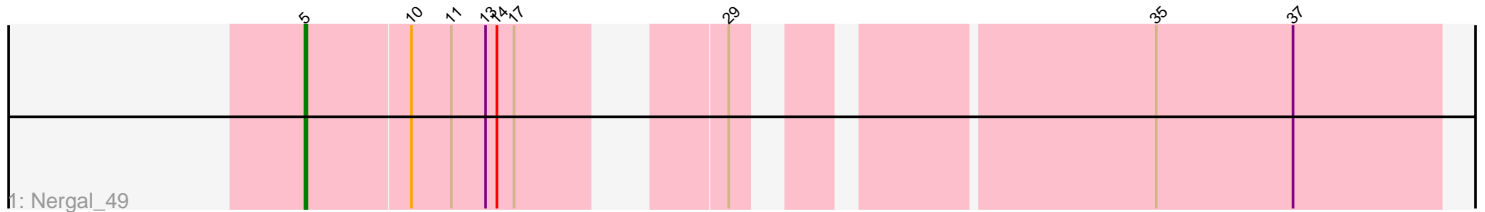


Pham 295153



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 295153 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295153 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Nergal_49
- Track 2 : Enkosi_49, SgtBeansprout_47, Teejan_49, LilPharaoh_47, Trice_47, Nikao_50, Biglebops_47, Mdavu_48, Amelie_47, Nutello_47, Torres_50
- Track 3 : Scarlett_56
- Track 4 : KiSi_56
- Track 5 : LeMond_56, Oscar_56
- Track 6 : TClif_55
- Track 7 : Shadow1_57

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

The start number called the most often in the published annotations is 16, it was called in 9 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelie_47, Biglebops_47, Enkosi_49, LilPharaoh_47, Mdavu_48, Nikao_50, Nutello_47, SgtBeansprout_47, Teejan_49, Torres_50, Trice_47,

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

-

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

- KiSi_56, LeMond_56, Nergal_49, Oscar_56, Scarlett_56, Shadow1_57, TClif_55,

Summary by start number:

Start 5:

- Found in 3 of 18 (16.7%) of genes in pham
- Manual Annotations of this start: 3 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nergal_49 (AG), Shadow1_57 (K6), TClif_55 (K6),

Start 12:

- Found in 4 of 18 (22.2%) of genes in pham
- Manual Annotations of this start: 4 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KiSi_56 (K1), LeMond_56 (K1), Oscar_56 (K1), Scarlett_56 (K1),

Start 16:

- Found in 11 of 18 (61.1%) of genes in pham
- Manual Annotations of this start: 9 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_47 (K1), Binglebops_47 (K1), Enkosi_49 (K1), LilPharaoh_47 (K1), Mdavu_48 (K1), Nikao_50 (K1), Nutello_47 (K1), SgtBeansprout_47 (K1), Teejan_49 (K1), Torres_50 (K1), Trice_47 (K1),

Summary by clusters:

There are 3 clusters represented in this pham: K1, K6, AG,

Info for manual annotations of cluster AG:

- Start number 5 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster K1:

- Start number 12 was manually annotated 4 times for cluster K1.
- Start number 16 was manually annotated 9 times for cluster K1.

Info for manual annotations of cluster K6:

- Start number 5 was manually annotated 2 times for cluster K6.

Gene Information:

Gene: Amelie_47 Start: 37306, Stop: 37731, Start Num: 16

Candidate Starts for Amelie_47:

(3, 37171), (4, 37189), (9, 37234), (Start: 16 @37306 has 9 MA's), (19, 37327), (23, 37354), (24, 37375), (31, 37429), (33, 37501), (34, 37504), (35, 37591),

Gene: Binglebops_47 Start: 37306, Stop: 37731, Start Num: 16

Candidate Starts for Binglebops_47:

(3, 37171), (4, 37189), (9, 37234), (Start: 16 @37306 has 9 MA's), (19, 37327), (23, 37354), (24, 37375), (31, 37429), (33, 37501), (34, 37504), (35, 37591),

Gene: Enkosi_49 Start: 39919, Stop: 40344, Start Num: 16

Candidate Starts for Enkosi_49:

(3, 39784), (4, 39802), (9, 39847), (Start: 16 @39919 has 9 MA's), (19, 39940), (23, 39967), (24, 39988), (31, 40042), (33, 40114), (34, 40117), (35, 40204),

Gene: KiSi_56 Start: 38953, Stop: 39420, Start Num: 12

Candidate Starts for KiSi_56:

(Start: 12 @38953 has 4 MA's), (23, 39016), (28, 39061), (33, 39184), (35, 39271), (36, 39304), (38, 39358), (39, 39409),

Gene: LeMond_56 Start: 38937, Stop: 39401, Start Num: 12

Candidate Starts for LeMond_56:

(Start: 12 @38937 has 4 MA's), (20, 38982), (23, 38997), (24, 39018), (27, 39039), (33, 39165), (34, 39168), (35, 39252), (36, 39285), (38, 39339), (39, 39390),

Gene: LilPharaoh_47 Start: 37034, Stop: 37459, Start Num: 16

Candidate Starts for LilPharaoh_47:

(3, 36899), (4, 36917), (9, 36962), (Start: 16 @37034 has 9 MA's), (19, 37055), (23, 37082), (24, 37103), (31, 37157), (33, 37229), (34, 37232), (35, 37319),

Gene: Mdavu_48 Start: 37295, Stop: 37720, Start Num: 16

Candidate Starts for Mdavu_48:

(3, 37160), (4, 37178), (9, 37223), (Start: 16 @37295 has 9 MA's), (19, 37316), (23, 37343), (24, 37364), (31, 37418), (33, 37490), (34, 37493), (35, 37580),

Gene: Nergal_49 Start: 36269, Stop: 36790, Start Num: 5

Candidate Starts for Nergal_49:

(Start: 5 @36269 has 3 MA's), (10, 36323), (11, 36344), (13, 36362), (14, 36368), (17, 36377), (29, 36455), (35, 36641), (37, 36713),

Gene: Nikao_50 Start: 39919, Stop: 40344, Start Num: 16

Candidate Starts for Nikao_50:

(3, 39784), (4, 39802), (9, 39847), (Start: 16 @39919 has 9 MA's), (19, 39940), (23, 39967), (24, 39988), (31, 40042), (33, 40114), (34, 40117), (35, 40204),

Gene: Nutello_47 Start: 37306, Stop: 37731, Start Num: 16

Candidate Starts for Nutello_47:

(3, 37171), (4, 37189), (9, 37234), (Start: 16 @37306 has 9 MA's), (19, 37327), (23, 37354), (24, 37375), (31, 37429), (33, 37501), (34, 37504), (35, 37591),

Gene: Oscar_56 Start: 38839, Stop: 39306, Start Num: 12

Candidate Starts for Oscar_56:

(Start: 12 @38839 has 4 MA's), (20, 38887), (23, 38902), (24, 38923), (27, 38944), (33, 39070), (34, 39073), (35, 39157), (36, 39190), (38, 39244), (39, 39295),

Gene: Scarlett_56 Start: 38831, Stop: 39301, Start Num: 12

Candidate Starts for Scarlett_56:

(Start: 12 @38831 has 4 MA's), (23, 38897), (24, 38918), (28, 38942), (33, 39065), (34, 39068), (35, 39152), (36, 39185), (38, 39239), (39, 39290),

Gene: SgtBeansprout_47 Start: 37306, Stop: 37731, Start Num: 16

Candidate Starts for SgtBeansprout_47:

(3, 37171), (4, 37189), (9, 37234), (Start: 16 @37306 has 9 MA's), (19, 37327), (23, 37354), (24, 37375), (31, 37429), (33, 37501), (34, 37504), (35, 37591),

Gene: Shadow1_57 Start: 38538, Stop: 39143, Start Num: 5

Candidate Starts for Shadow1_57:

(1, 38412), (2, 38421), (Start: 5 @38538 has 3 MA's), (6, 38550), (8, 38565), (10, 38589), (11, 38610), (21, 38676), (22, 38697), (23, 38700), (25, 38724), (30, 38793), (32, 38823), (33, 38889), (34, 38892), (35, 38976), (36, 39009), (38, 39063),

Gene: TClif_55 Start: 38682, Stop: 39194, Start Num: 5

Candidate Starts for TClif_55:

(Start: 5 @38682 has 3 MA's), (7, 38697), (8, 38706), (10, 38730), (11, 38751), (15, 38775), (18, 38796), (26, 38832), (30, 38868), (32, 38889), (33, 38925), (34, 38928), (35, 39012), (36, 39045), (38, 39099),

Gene: Teejan_49 Start: 39919, Stop: 40344, Start Num: 16

Candidate Starts for Teejan_49:

(3, 39784), (4, 39802), (9, 39847), (Start: 16 @39919 has 9 MA's), (19, 39940), (23, 39967), (24, 39988), (31, 40042), (33, 40114), (34, 40117), (35, 40204),

Gene: Torres_50 Start: 39920, Stop: 40345, Start Num: 16

Candidate Starts for Torres_50:

(3, 39785), (4, 39803), (9, 39848), (Start: 16 @39920 has 9 MA's), (19, 39941), (23, 39968), (24, 39989), (31, 40043), (33, 40115), (34, 40118), (35, 40205),

Gene: Trice_47 Start: 37307, Stop: 37732, Start Num: 16

Candidate Starts for Trice_47:

(3, 37172), (4, 37190), (9, 37235), (Start: 16 @37307 has 9 MA's), (19, 37328), (23, 37355), (24, 37376), (31, 37430), (33, 37502), (34, 37505), (35, 37592),