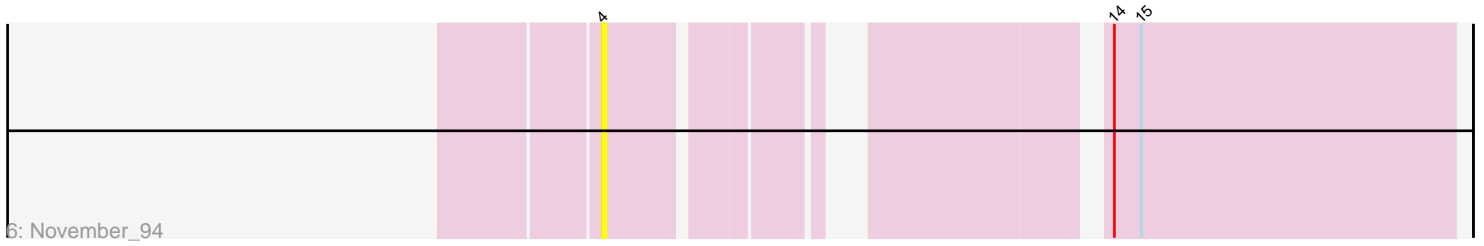
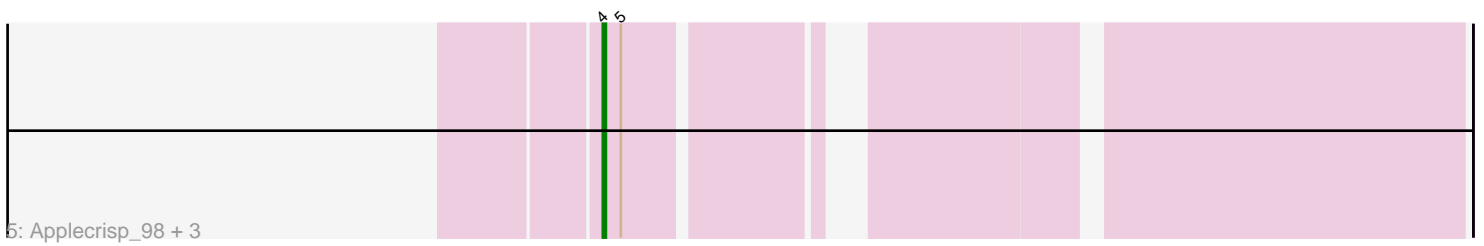
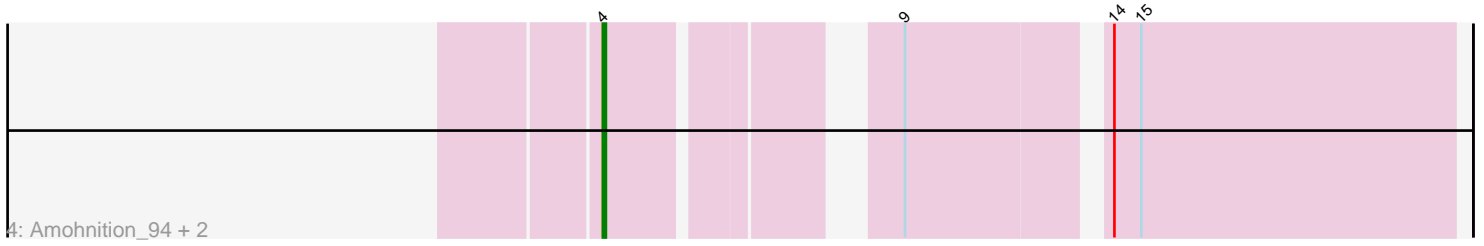
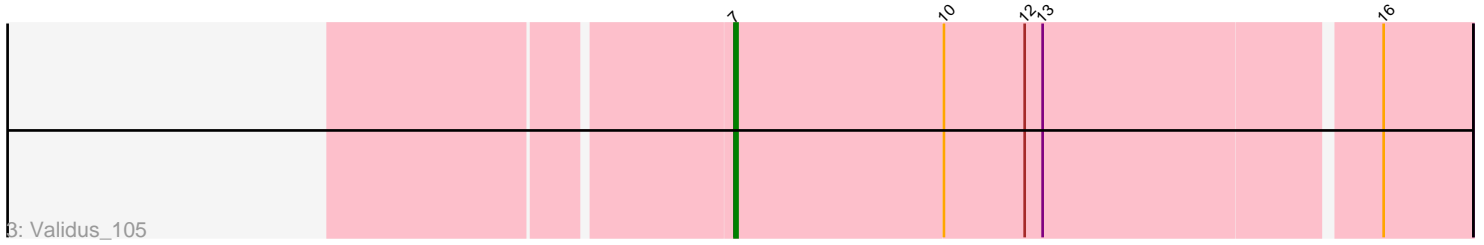
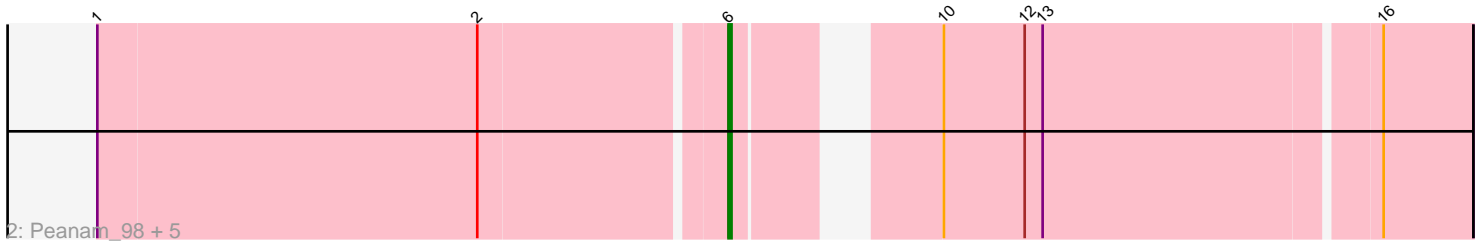
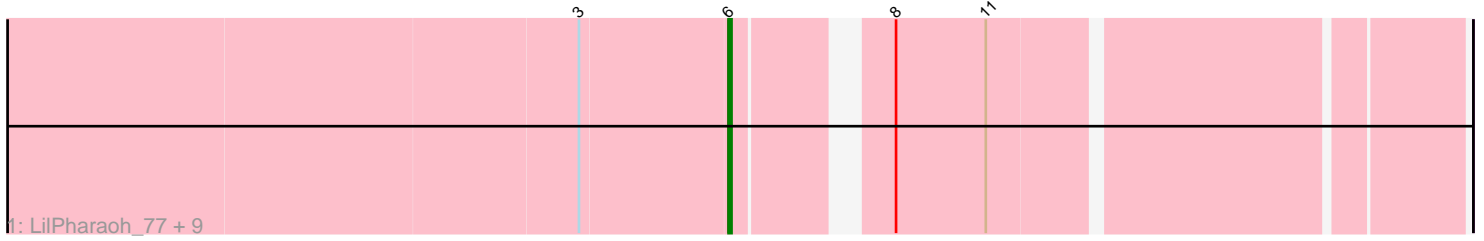


Pham 214581



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 214581 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214581 has 25 members, 7 are drafts.

Phages represented in each track:

- Track 1 : LilPharaoh_77, Nutello_76, SgtBeansprout_77, Enkosi_78, Mdavu_77, Amelie_76, Biglebops_76, Nikao_79, Teejan_78, Torres_78
- Track 2 : Peanam_98, Dartin_97, Niklas_97, Shaobing_95, Richo_97, McMater_97
- Track 3 : Validus_105
- Track 4 : Amohnition_94, DarthP_94, Hammy_94
- Track 5 : Applecrisp_98, Ellie_95, Amgine_96, Fefferhead_97
- Track 6 : November_94

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelie_76, Biglebops_76, Dartin_97, Enkosi_78, LilPharaoh_77, McMater_97, Mdavu_77, Nikao_79, Niklas_97, Nutello_76, Peanam_98, Richo_97, SgtBeansprout_77, Shaobing_95, Teejan_78, Torres_78,

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

-

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

- Amgine_96, Amohnition_94, Applecrisp_98, DarthP_94, Ellie_95, Fefferhead_97, Hammy_94, November_94, Validus_105,

Summary by start number:

Start 4:

- Found in 8 of 25 (32.0%) of genes in pham
- Manual Annotations of this start: 6 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amgine_96 (K6), Amohnition_94 (K6), Applecrisp_98 (K6), DarthP_94 (K6), Ellie_95 (K6), Fefferhead_97 (K6), Hammy_94 (K6), November_94 (K6),

Start 6:

- Found in 16 of 25 (64.0%) of genes in pham
- Manual Annotations of this start: 11 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_76 (K1), Binglebops_76 (K1), Dartin_97 (K1), Enkosi_78 (K1), LilPharaoh_77 (K1), McMater_97 (K1), Mdavu_77 (K1), Nikao_79 (K1), Niklas_97 (K1), Nutello_76 (K1), Peanam_98 (K1), Richo_97 (K1), SgtBeansprout_77 (K1), Shaobing_95 (K1), Teejan_78 (K1), Torres_78 (K1),

Start 7:

- Found in 1 of 25 (4.0%) 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: Validus_105 (K1),

Summary by clusters:

There are 2 clusters represented in this pham: K1, K6,

Info for manual annotations of cluster K1:

- Start number 6 was manually annotated 11 times for cluster K1.
- Start number 7 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K6:

- Start number 4 was manually annotated 6 times for cluster K6.

Gene Information:

Gene: Amelie_76 Start: 55854, Stop: 56072, Start Num: 6

Candidate Starts for Amelie_76:

(3, 55806), (Start: 6 @55854 has 11 MA's), (8, 55896), (11, 55926),

Gene: Amgine_96 Start: 61635, Stop: 61889, Start Num: 4

Candidate Starts for Amgine_96:

(Start: 4 @61635 has 6 MA's), (5, 61641),

Gene: Amohndition_94 Start: 61150, Stop: 61401, Start Num: 4

Candidate Starts for Amohndition_94:

(Start: 4 @61150 has 6 MA's), (9, 61228), (14, 61288), (15, 61297),

Gene: Applecrisp_98 Start: 61353, Stop: 61607, Start Num: 4

Candidate Starts for Applecrisp_98:

(Start: 4 @61353 has 6 MA's), (5, 61359),

Gene: Binglebops_76 Start: 55869, Stop: 56087, Start Num: 6

Candidate Starts for Binglebops_76:

(3, 55821), (Start: 6 @55869 has 11 MA's), (8, 55911), (11, 55941),

Gene: DarthP_94 Start: 60983, Stop: 61234, Start Num: 4

Candidate Starts for DarthP_94:

(Start: 4 @60983 has 6 MA's), (9, 61061), (14, 61121), (15, 61130),

Gene: Dartin_97 Start: 60821, Stop: 61057, Start Num: 6

Candidate Starts for Dartin_97:

(1, 60617), (2, 60743), (Start: 6 @60821 has 11 MA's), (10, 60887), (12, 60914), (13, 60920), (16, 61028),

Gene: Ellie_95 Start: 61344, Stop: 61598, Start Num: 4

Candidate Starts for Ellie_95:

(Start: 4 @61344 has 6 MA's), (5, 61350),

Gene: Enkosi_78 Start: 58467, Stop: 58685, Start Num: 6

Candidate Starts for Enkosi_78:

(3, 58419), (Start: 6 @58467 has 11 MA's), (8, 58509), (11, 58539),

Gene: Fefferhead_97 Start: 60765, Stop: 61019, Start Num: 4

Candidate Starts for Fefferhead_97:

(Start: 4 @60765 has 6 MA's), (5, 60771),

Gene: Hammy_94 Start: 61201, Stop: 61452, Start Num: 4

Candidate Starts for Hammy_94:

(Start: 4 @61201 has 6 MA's), (9, 61279), (14, 61339), (15, 61348),

Gene: LilPharaoh_77 Start: 55582, Stop: 55800, Start Num: 6

Candidate Starts for LilPharaoh_77:

(3, 55534), (Start: 6 @55582 has 11 MA's), (8, 55624), (11, 55654),

Gene: McMater_97 Start: 60821, Stop: 61057, Start Num: 6

Candidate Starts for McMater_97:

(1, 60617), (2, 60743), (Start: 6 @60821 has 11 MA's), (10, 60887), (12, 60914), (13, 60920), (16, 61028),

Gene: Mdavu_77 Start: 55858, Stop: 56076, Start Num: 6

Candidate Starts for Mdavu_77:

(3, 55810), (Start: 6 @55858 has 11 MA's), (8, 55900), (11, 55930),

Gene: Nikao_79 Start: 58467, Stop: 58685, Start Num: 6

Candidate Starts for Nikao_79:

(3, 58419), (Start: 6 @58467 has 11 MA's), (8, 58509), (11, 58539),

Gene: Niklas_97 Start: 60422, Stop: 60658, Start Num: 6

Candidate Starts for Niklas_97:

(1, 60218), (2, 60344), (Start: 6 @60422 has 11 MA's), (10, 60488), (12, 60515), (13, 60521), (16, 60629),

Gene: November_94 Start: 60907, Stop: 61155, Start Num: 4

Candidate Starts for November_94:

(Start: 4 @60907 has 6 MA's), (14, 61042), (15, 61051),

Gene: Nutello_76 Start: 55854, Stop: 56072, Start Num: 6

Candidate Starts for Nutello_76:

(3, 55806), (Start: 6 @55854 has 11 MA's), (8, 55896), (11, 55926),

Gene: Peanam_98 Start: 60489, Stop: 60710, Start Num: 6

Candidate Starts for Peanam_98:

(1, 60285), (2, 60411), (Start: 6 @60489 has 11 MA's), (10, 60540), (12, 60567), (13, 60573), (16, 60681),

Gene: Richo_97 Start: 60821, Stop: 61057, Start Num: 6

Candidate Starts for Richo_97:

(1, 60617), (2, 60743), (Start: 6 @60821 has 11 MA's), (10, 60887), (12, 60914), (13, 60920), (16, 61028),

Gene: SgtBeansprout_77 Start: 55854, Stop: 56072, Start Num: 6

Candidate Starts for SgtBeansprout_77:

(3, 55806), (Start: 6 @55854 has 11 MA's), (8, 55896), (11, 55926),

Gene: Shaobing_95 Start: 60463, Stop: 60699, Start Num: 6

Candidate Starts for Shaobing_95:

(1, 60259), (2, 60385), (Start: 6 @60463 has 11 MA's), (10, 60529), (12, 60556), (13, 60562), (16, 60670),

Gene: Teejan_78 Start: 58467, Stop: 58685, Start Num: 6

Candidate Starts for Teejan_78:

(3, 58419), (Start: 6 @58467 has 11 MA's), (8, 58509), (11, 58539),

Gene: Torres_78 Start: 58468, Stop: 58686, Start Num: 6

Candidate Starts for Torres_78:

(3, 58420), (Start: 6 @58468 has 11 MA's), (8, 58510), (11, 58540),

Gene: Validus_105 Start: 61894, Stop: 62133, Start Num: 7

Candidate Starts for Validus_105:

(Start: 7 @61894 has 1 MA's), (10, 61963), (12, 61990), (13, 61996), (16, 62104),