Pham 291441

3
6
7
10
1: LilPharaoh_77 + 10
1
2
6
9
11
12
15
2: Peanam_98 + 5
6
9
11
12
15
3: Validus_105
4
8
13
14
4: Amohnition_94 + 2
4
5
5: Applecrisp_94 + 4
4
13
14
6: November_93

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 291441 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291441 has 27 members, 6 are drafts.

Phages represented in each track:
• Track 1 : LilPharaoh_77, Nutello_76, SgtBeansprout_77, Enkosi_78, Mdavu_77, Amelie_76, Biglebops_76, Trice_76, Nikao_79, Teejan_78, Torres_79
• 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_94, Lavahound_96, Ellie_95, Amgine_96, Fefferhead_97
• Track 6 : November_93

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 13 of the 21 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_79, Trice_76, Validus_105,

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_94, DarthP_94, Ellie_95, Fefferhead_97, Hammy_94, Lavahound_96, November_93,

Summary by start number:

Start 4:
• Found in 9 of 27 (33.3%) of genes in pham
• Manual Annotations of this start: 8 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amgine_96 (K6), Amohnition_94 (K6), Applecrisp_94 (K6), DarthP_94 (K6), Ellie_95 (K6), Fefferhead_97 (K6), Hammy_94 (K6), Lavahound_96 (K6), November_93 (K6),

Start 6:
• Found in 18 of 27 (66.7%) of genes in pham
• Manual Annotations of this start: 13 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amelie_76 (K1), Biglebops_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_79 (K1), Trice_76 (K1), 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 13 times for cluster K1.

Info for manual annotations of cluster K6:
•Start number 4 was manually annotated 8 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 13 MA's), (7, 55896), (10, 55926),

Gene: Amgine_96 Start: 61635, Stop: 61889, Start Num: 4
Candidate Starts for Amgine_96:
(Start: 4 @61635 has 8 MA's), (5, 61641),

Gene: Amohnition_94 Start: 61150, Stop: 61401, Start Num: 4
Candidate Starts for Amohnition_94:
(Start: 4 @61150 has 8 MA's), (8, 61228), (13, 61288), (14, 61297),

Gene: Applecrisp_94 Start: 61353, Stop: 61607, Start Num: 4
Candidate Starts for Applecrisp_94:
(Start: 4 @61353 has 8 MA's), (5, 61359),

Gene: Biglebops_76 Start: 55869, Stop: 56087, Start Num: 6
Candidate Starts for Biglebops_76:
(3, 55821), (Start: 6 @55869 has 13 MA's), (7, 55911), (10, 55941),

Gene: DarthP_94 Start: 60983, Stop: 61234, Start Num: 4
Candidate Starts for DarthP_94:
(Start: 4 @60983 has 8 MA's), (8, 61061), (13, 61121), (14, 61130),

Gene: Dartin_97 Start: 60821, Stop: 61057, Start Num: 6
Candidate Starts for Dartin_97:
(1, 60617), (2, 60743), (Start: 6 @60821 has 13 MA's), (9, 60887), (11, 60914), (12, 60920), (15, 61028),

Gene: Ellie_95 Start: 61344, Stop: 61598, Start Num: 4
Candidate Starts for Ellie_95:
(Start: 4 @61344 has 8 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 13 MA's), (7, 58509), (10, 58539),

Gene: Fefferhead_97 Start: 60765, Stop: 61019, Start Num: 4
Candidate Starts for Fefferhead_97:
(Start: 4 @60765 has 8 MA's), (5, 60771),

Gene: Hammy_94 Start: 61201, Stop: 61452, Start Num: 4
Candidate Starts for Hammy_94:
(Start: 4 @61201 has 8 MA's), (8, 61279), (13, 61339), (14, 61348),

Gene: Lavahound_96 Start: 61766, Stop: 62020, Start Num: 4
Candidate Starts for Lavahound_96:
(Start: 4 @61766 has 8 MA's), (5, 61772),

Gene: LilPharaoh_77 Start: 55582, Stop: 55800, Start Num: 6
Candidate Starts for LilPharaoh_77:
(3, 55534), (Start: 6 @55582 has 13 MA's), (7, 55624), (10, 55654),

Gene: McMater_97 Start: 60821, Stop: 61057, Start Num: 6
Candidate Starts for McMater_97:
(1, 60617), (2, 60743), (Start: 6 @60821 has 13 MA's), (9, 60887), (11, 60914), (12, 60920), (15, 61028),

Gene: Mdavu_77 Start: 55858, Stop: 56076, Start Num: 6
Candidate Starts for Mdavu_77:
(3, 55810), (Start: 6 @55858 has 13 MA's), (7, 55900), (10, 55930),

Gene: Nikao_79 Start: 58467, Stop: 58685, Start Num: 6
Candidate Starts for Nikao_79:
(3, 58419), (Start: 6 @58467 has 13 MA's), (7, 58509), (10, 58539),

Gene: Niklas_97 Start: 60422, Stop: 60658, Start Num: 6
Candidate Starts for Niklas_97:
(1, 60218), (2, 60344), (Start: 6 @60422 has 13 MA's), (9, 60488), (11, 60515), (12, 60521), (15, 60629),

Gene: November_93 Start: 60907, Stop: 61155, Start Num: 4
Candidate Starts for November_93:
(Start: 4 @60907 has 8 MA's), (13, 61042), (14, 61051),

Gene: Nutello_76 Start: 55854, Stop: 56072, Start Num: 6
Candidate Starts for Nutello_76:
(3, 55806), (Start: 6 @55854 has 13 MA's), (7, 55896), (10, 55926),

Gene: Peanam_98 Start: 60489, Stop: 60710, Start Num: 6
Candidate Starts for Peanam_98:

(1, 60285), (2, 60411), (Start: 6 @60489 has 13 MA's), (9, 60540), (11, 60567), (12, 60573), (15, 60681),

Gene: Richo_97 Start: 60821, Stop: 61057, Start Num: 6
Candidate Starts for Richo_97:
(1, 60617), (2, 60743), (Start: 6 @60821 has 13 MA's), (9, 60887), (11, 60914), (12, 60920), (15, 61028),

Gene: SgtBeansprout_77 Start: 55854, Stop: 56072, Start Num: 6
Candidate Starts for SgtBeansprout_77:
(3, 55806), (Start: 6 @55854 has 13 MA's), (7, 55896), (10, 55926),

Gene: Shaobing_95 Start: 60463, Stop: 60699, Start Num: 6
Candidate Starts for Shaobing_95:
(1, 60259), (2, 60385), (Start: 6 @60463 has 13 MA's), (9, 60529), (11, 60556), (12, 60562), (15, 60670),

Gene: Teejan_78 Start: 58467, Stop: 58685, Start Num: 6
Candidate Starts for Teejan_78:
(3, 58419), (Start: 6 @58467 has 13 MA's), (7, 58509), (10, 58539),

Gene: Torres_79 Start: 58468, Stop: 58686, Start Num: 6
Candidate Starts for Torres_79:
(3, 58420), (Start: 6 @58468 has 13 MA's), (7, 58510), (10, 58540),

Gene: Trice_76 Start: 55855, Stop: 56073, Start Num: 6
Candidate Starts for Trice_76:
(3, 55807), (Start: 6 @55855 has 13 MA's), (7, 55897), (10, 55927),

Gene: Validus_105 Start: 61894, Stop: 62133, Start Num: 6
Candidate Starts for Validus_105:
(Start: 6 @61894 has 13 MA's), (9, 61963), (11, 61990), (12, 61996), (15, 62104),