

Pham 309038



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 309038 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309038 has 30 members, 3 are drafts.

Phages represented in each track:

- Track 1 : LilPharaoh_75, Amelie_74, Nutello_74, Trice_74, SgtBeansprout_75, Binglebops_74, Enkosi_76, Mdavu_75, Nikao_77, Teejan_76, Torres_77
- Track 2 : TingHuaYa_98, LastHope_100, Efra2_100, Yunkel11_98, Guanica15_99
- Track 3 : Megsy_98
- Track 4 : Nibb_98
- Track 5 : Validus_101
- Track 6 : Pharb_90
- Track 7 : Krueger_97, Tigress9_97
- Track 8 : SirPhilip_95
- Track 9 : Shadow1_97, Phrank_100, Sunflower1121_97
- Track 10 : Hammy_91
- Track 11 : Syra333_96
- Track 12 : Ximenita_99
- Track 13 : Yuna_96

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

The start number called the most often in the published annotations is 1, it was called in 23 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelie_74, Binglebops_74, Efra2_100, Enkosi_76, Guanica15_99, Krueger_97, LastHope_100, LilPharaoh_75, Mdavu_75, Megsy_98, Nikao_77, Nutello_74, Pharb_90, Phrank_100, SgtBeansprout_75, Shadow1_97, Sunflower1121_97, Syra333_96, Teejan_76, Tigress9_97, TingHuaYa_98, Torres_77, Trice_74, Ximenita_99, Yuna_96, Yunkel11_98,

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

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

- Hammy_91, Nibb_98, SirPhilip_95, Validus_101,

Summary by start number:

Start 1:

- Found in 26 of 30 (86.7%) of genes in pham
- Manual Annotations of this start: 23 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_74 (K1), Binglebops_74 (K1), Efra2_100 (K1), Enkosi_76 (K1), Guanica15_99 (K1), Krueger_97 (K6), LastHope_100 (K1), LilPharaoh_75 (K1), Mdavu_75 (K1), Megsy_98 (K1), Nikao_77 (K1), Nutello_74 (K1), Pharb_90 (K3), Phrank_100 (K6), SgtBeansprout_75 (K1), Shadow1_97 (K6), Sunflower1121_97 (K6), Syra333_96 (K6), Teejan_76 (K1), Tigress9_97 (K6), TingHuaYa_98 (K1), Torres_77 (K1), Trice_74 (K1), Ximenita_99 (K6), Yuna_96 (K6), Yunkel11_98 (K1),

Start 3:

- Found in 4 of 30 (13.3%) of genes in pham
- Manual Annotations of this start: 4 of 27
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hammy_91 (K6), Nibb_98 (K1), SirPhilip_95 (K6), Validus_101 (K1),

Summary by clusters:

There are 3 clusters represented in this pham: K3, K1, K6,

Info for manual annotations of cluster K1:

- Start number 1 was manually annotated 14 times for cluster K1.
- Start number 3 was manually annotated 2 times for cluster K1.

Info for manual annotations of cluster K3:

- Start number 1 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K6:

- Start number 1 was manually annotated 8 times for cluster K6.
- Start number 3 was manually annotated 2 times for cluster K6.

Gene Information:

Gene: Amelie_74 Start: 54240, Stop: 54659, Start Num: 1

Candidate Starts for Amelie_74:

(Start: 1 @54240 has 23 MA's), (2, 54243), (9, 54360), (14, 54438), (18, 54522), (23, 54645),

Gene: Binglebops_74 Start: 54255, Stop: 54674, Start Num: 1

Candidate Starts for Binglebops_74:

(Start: 1 @54255 has 23 MA's), (2, 54258), (9, 54375), (14, 54453), (18, 54537), (23, 54660),

Gene: Efra2_100 Start: 59563, Stop: 59985, Start Num: 1

Candidate Starts for Efra2_100:

(Start: 1 @59563 has 23 MA's), (7, 59674), (11, 59725), (14, 59761), (18, 59845), (19, 59866),

Gene: Enkosi_76 Start: 56853, Stop: 57272, Start Num: 1

Candidate Starts for Enkosi_76:

(Start: 1 @56853 has 23 MA's), (2, 56856), (9, 56973), (14, 57051), (18, 57135), (23, 57258),

Gene: Guanica15_99 Start: 59253, Stop: 59675, Start Num: 1

Candidate Starts for Guanica15_99:

(Start: 1 @59253 has 23 MA's), (7, 59364), (11, 59415), (14, 59451), (18, 59535), (19, 59556),

Gene: Hammy_91 Start: 59305, Stop: 59682, Start Num: 3

Candidate Starts for Hammy_91:

(Start: 3 @59305 has 4 MA's), (13, 59464), (16, 59524), (17, 59542), (22, 59665),

Gene: Krueger_97 Start: 58532, Stop: 58951, Start Num: 1

Candidate Starts for Krueger_97:

(Start: 1 @58532 has 23 MA's), (14, 58730), (15, 58742), (18, 58814), (19, 58835), (22, 58934),

Gene: LastHope_100 Start: 59197, Stop: 59616, Start Num: 1

Candidate Starts for LastHope_100:

(Start: 1 @59197 has 23 MA's), (7, 59308), (11, 59359), (14, 59395), (18, 59479), (19, 59500),

Gene: LilPharaoh_75 Start: 53968, Stop: 54387, Start Num: 1

Candidate Starts for LilPharaoh_75:

(Start: 1 @53968 has 23 MA's), (2, 53971), (9, 54088), (14, 54166), (18, 54250), (23, 54373),

Gene: Mdavu_75 Start: 54244, Stop: 54663, Start Num: 1

Candidate Starts for Mdavu_75:

(Start: 1 @54244 has 23 MA's), (2, 54247), (9, 54364), (14, 54442), (18, 54526), (23, 54649),

Gene: Megsy_98 Start: 58630, Stop: 59049, Start Num: 1

Candidate Starts for Megsy_98:

(Start: 1 @58630 has 23 MA's), (4, 58654), (7, 58741), (11, 58792), (14, 58828), (18, 58912), (19, 58933),

Gene: Nibb_98 Start: 59933, Stop: 60298, Start Num: 3

Candidate Starts for Nibb_98:

(Start: 3 @59933 has 4 MA's), (5, 59987), (8, 60017), (16, 60140), (17, 60158), (22, 60281), (23, 60284),

Gene: Nikao_77 Start: 56853, Stop: 57272, Start Num: 1

Candidate Starts for Nikao_77:

(Start: 1 @56853 has 23 MA's), (2, 56856), (9, 56973), (14, 57051), (18, 57135), (23, 57258),

Gene: Nutello_74 Start: 54240, Stop: 54659, Start Num: 1

Candidate Starts for Nutello_74:

(Start: 1 @54240 has 23 MA's), (2, 54243), (9, 54360), (14, 54438), (18, 54522), (23, 54645),

Gene: Pharb_90 Start: 56458, Stop: 56877, Start Num: 1

Candidate Starts for Pharb_90:

(Start: 1 @56458 has 23 MA's), (6, 56548), (7, 56569), (10, 56593), (14, 56656), (17, 56731), (19, 56761), (21, 56827), (23, 56863),

Gene: Phrank_100 Start: 59324, Stop: 59743, Start Num: 1

Candidate Starts for Phrank_100:

(Start: 1 @59324 has 23 MA's), (7, 59435), (14, 59522), (18, 59606), (22, 59726),

Gene: SgtBeansprout_75 Start: 54240, Stop: 54659, Start Num: 1
Candidate Starts for SgtBeansprout_75:
(Start: 1 @54240 has 23 MA's), (2, 54243), (9, 54360), (14, 54438), (18, 54522), (23, 54645),

Gene: Shadow1_97 Start: 58670, Stop: 59089, Start Num: 1
Candidate Starts for Shadow1_97:
(Start: 1 @58670 has 23 MA's), (7, 58781), (14, 58868), (18, 58952), (22, 59072),

Gene: SirPhilip_95 Start: 60333, Stop: 60710, Start Num: 3
Candidate Starts for SirPhilip_95:
(Start: 3 @60333 has 4 MA's), (12, 60483), (16, 60552), (17, 60570), (19, 60600), (22, 60693), (23, 60696),

Gene: Sunflower1121_97 Start: 58428, Stop: 58847, Start Num: 1
Candidate Starts for Sunflower1121_97:
(Start: 1 @58428 has 23 MA's), (7, 58539), (14, 58626), (18, 58710), (22, 58830),

Gene: Syra333_96 Start: 58488, Stop: 58907, Start Num: 1
Candidate Starts for Syra333_96:
(Start: 1 @58488 has 23 MA's), (14, 58686), (15, 58698), (18, 58770), (22, 58890),

Gene: Teejan_76 Start: 56853, Stop: 57272, Start Num: 1
Candidate Starts for Teejan_76:
(Start: 1 @56853 has 23 MA's), (2, 56856), (9, 56973), (14, 57051), (18, 57135), (23, 57258),

Gene: Tigress9_97 Start: 58860, Stop: 59279, Start Num: 1
Candidate Starts for Tigress9_97:
(Start: 1 @58860 has 23 MA's), (14, 59058), (15, 59070), (18, 59142), (19, 59163), (22, 59262),

Gene: TingHuaYa_98 Start: 59526, Stop: 59945, Start Num: 1
Candidate Starts for TingHuaYa_98:
(Start: 1 @59526 has 23 MA's), (7, 59637), (11, 59688), (14, 59724), (18, 59808), (19, 59829),

Gene: Torres_77 Start: 56854, Stop: 57273, Start Num: 1
Candidate Starts for Torres_77:
(Start: 1 @56854 has 23 MA's), (2, 56857), (9, 56974), (14, 57052), (18, 57136), (23, 57259),

Gene: Trice_74 Start: 54241, Stop: 54660, Start Num: 1
Candidate Starts for Trice_74:
(Start: 1 @54241 has 23 MA's), (2, 54244), (9, 54361), (14, 54439), (18, 54523), (23, 54646),

Gene: Validus_101 Start: 60452, Stop: 60739, Start Num: 3
Candidate Starts for Validus_101:
(Start: 3 @60452 has 4 MA's), (6, 60512), (8, 60536), (20, 60725),

Gene: Ximenita_99 Start: 59244, Stop: 59663, Start Num: 1
Candidate Starts for Ximenita_99:
(Start: 1 @59244 has 23 MA's), (14, 59442), (18, 59526), (22, 59646),

Gene: Yuna_96 Start: 60053, Stop: 60472, Start Num: 1
Candidate Starts for Yuna_96:
(Start: 1 @60053 has 23 MA's), (6, 60143), (10, 60188), (14, 60251), (18, 60335), (19, 60356), (22, 60455),

Gene: Yunkel11_98 Start: 59034, Stop: 59456, Start Num: 1

Candidate Starts for Yunkel11_98:

(Start: 1 @59034 has 23 MA's), (7, 59145), (11, 59196), (14, 59232), (18, 59316), (19, 59337),