Pham 346265


1: WST1_6 + 1
2: Lucky10_5
3: InLimbo_6
4: Morkie_5 + 1
5: LunaStella_5 + 1
6: ThetaBob_5 + 2
7: Stellammi_4
8: Gaia_4 + 1
9: P3MA_6

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 346265 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346265 has 15 members, 3 are drafts.

Phages represented in each track:
• Track 1 : WST1_6, IdentityCrisis_6
• Track 2 : Lucky10_5
• Track 3 : InLimbo_6
• Track 4 : Morkie_5, PhorbesPhlower_5
• Track 5 : LunaStella_5, TChen_5
• Track 6 : ThetaBob_5, Renaud18_5, Toron_5
• Track 7 : Stellammi_4
• Track 8 : Gaia_4, Nebkiss_4
• Track 9 : P3MA_6

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

The start number called the most often in the published annotations is 13, it was called in 4 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• LunaStella_5, Renaud18_5, TChen_5, ThetaBob_5, Toron_5,

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:
• Gaia_4, IdentityCrisis_6, InLimbo_6, Lucky10_5, Morkie_5, Nebkiss_4, P3MA_6, PhorbesPhlower_5, Stellammi_4, WST1_6,

Summary by start number:

Start 1:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_6 (AJ), WST1_6 (AJ),

Start 4:

• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaia_4 (X), Nebkiss_4 (X),

Start 5:
• Found in 3 of 15 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Morkie_5 (DH), PhorbesPhlower_5 (DH),

Start 6:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lucky10_5 (DH),

Start 8:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: P3MA_6 (singleton),

Start 9:
• Found in 7 of 15 (46.7%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Stellammi_4 (UNK),

Start 13:
• Found in 5 of 15 (33.3%) of genes in pham
• Manual Annotations of this start: 4 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LunaStella_5 (F4), Renaud18_5 (F4), TChen_5 (F4), ThetaBob_5 (F4), Toron_5 (F6),

Start 23:
• Found in 4 of 15 (26.7%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: InLimbo_6 (DH),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, F4, DH, F6, AJ, X, UNK,

Info for manual annotations of cluster AJ:
•Start number 1 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster DH:
•Start number 5 was manually annotated 2 times for cluster DH.
•Start number 6 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster F4:
•Start number 13 was manually annotated 4 times for cluster F4.

Info for manual annotations of cluster UNK:
•Start number 9 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 4 was manually annotated 2 times for cluster X.

Gene Information:

Gene: Gaia_4 Start: 4842, Stop: 5501, Start Num: 4
Candidate Starts for Gaia_4:
(Start: 4 @4842 has 2 MA's), (Start: 9 @4878 has 1 MA's), (19, 4986), (25, 5067), (49, 5451), (50, 5457), (51, 5472),

Gene: IdentityCrisis_6 Start: 5296, Stop: 6006, Start Num: 1
Candidate Starts for IdentityCrisis_6:
(Start: 1 @5296 has 1 MA's), (7, 5380), (11, 5419), (18, 5488), (24, 5620), (29, 5743), (32, 5818), (42, 5917),

Gene: InLimbo_6 Start: 4045, Stop: 4428, Start Num: 23
Candidate Starts for InLimbo_6:
(2, 3769), (3, 3775), (Start: 5 @3817 has 2 MA's), (Start: 9 @3850 has 1 MA's), (14, 3898), (17, 3940), (20, 4018), (21, 4024), (22, 4042), (23, 4045), (28, 4129), (29, 4189), (30, 4201), (33, 4291), (34, 4294), (36, 4306), (47, 4405),

Gene: Lucky10_5 Start: 3847, Stop: 4470, Start Num: 6
Candidate Starts for Lucky10_5:
(Start: 6 @3847 has 1 MA's), (10, 3877), (14, 3916), (26, 4105), (37, 4348),

Gene: LunaStella_5 Start: 4553, Stop: 5050, Start Num: 13
Candidate Starts for LunaStella_5:
(Start: 13 @4553 has 4 MA's), (15, 4586), (29, 4808), (30, 4820), (31, 4832), (35, 4916), (39, 4937), (44, 5009),

Gene: Morkie_5 Start: 3817, Stop: 4428, Start Num: 5
Candidate Starts for Morkie_5:
(2, 3769), (3, 3775), (Start: 5 @3817 has 2 MA's), (Start: 9 @3850 has 1 MA's), (14, 3898), (17, 3940), (20, 4018), (21, 4024), (22, 4042), (23, 4045), (28, 4129), (29, 4189), (30, 4201), (33, 4291), (34, 4294), (36, 4306), (47, 4405),

Gene: Nebkiss_4 Start: 4843, Stop: 5502, Start Num: 4
Candidate Starts for Nebkiss_4:
(Start: 4 @4843 has 2 MA's), (Start: 9 @4879 has 1 MA's), (19, 4987), (25, 5068), (49, 5452), (50, 5458), (51, 5473),

Gene: P3MA_6 Start: 4788, Stop: 5372, Start Num: 8
Candidate Starts for P3MA_6:

(Start: 8 @4788 has 1 MA's), (Start: 9 @4803 has 1 MA's), (16, 4878), (18, 4890), (23, 4980), (30, 5136), (40, 5289), (43, 5331), (46, 5343),

Gene: PhorbesPhlower_5 Start: 3817, Stop: 4428, Start Num: 5
Candidate Starts for PhorbesPhlower_5:
(2, 3769), (3, 3775), (Start: 5 @3817 has 2 MA's), (Start: 9 @3850 has 1 MA's), (14, 3898), (17, 3940), (20, 4018), (21, 4024), (22, 4042), (23, 4045), (28, 4129), (29, 4189), (30, 4201), (33, 4291), (34, 4294), (36, 4306), (47, 4405),

Gene: Renaud18_5 Start: 4433, Stop: 4930, Start Num: 13
Candidate Starts for Renaud18_5:
(Start: 13 @4433 has 4 MA's), (15, 4466), (29, 4688), (30, 4700), (31, 4712), (32, 4763), (35, 4796), (39, 4817), (44, 4889),

Gene: Stellammi_4 Start: 3868, Stop: 4509, Start Num: 9
Candidate Starts for Stellammi_4:
(Start: 9 @3868 has 1 MA's), (12, 3889), (19, 3991), (27, 4105), (28, 4129), (31, 4225), (32, 4276), (38, 4333), (41, 4375), (45, 4423), (48, 4450), (49, 4456), (50, 4462), (52, 4486),

Gene: TChen_5 Start: 4553, Stop: 5050, Start Num: 13
Candidate Starts for TChen_5:
(Start: 13 @4553 has 4 MA's), (15, 4586), (29, 4808), (30, 4820), (31, 4832), (35, 4916), (39, 4937), (44, 5009),

Gene: ThetaBob_5 Start: 4433, Stop: 4930, Start Num: 13
Candidate Starts for ThetaBob_5:
(Start: 13 @4433 has 4 MA's), (15, 4466), (29, 4688), (30, 4700), (31, 4712), (32, 4763), (35, 4796), (39, 4817), (44, 4889),

Gene: Toron_5 Start: 4553, Stop: 5050, Start Num: 13
Candidate Starts for Toron_5:
(Start: 13 @4553 has 4 MA's), (15, 4586), (29, 4808), (30, 4820), (31, 4832), (32, 4883), (35, 4916), (39, 4937), (44, 5009),

Gene: WST1_6 Start: 5296, Stop: 6006, Start Num: 1
Candidate Starts for WST1_6:
(Start: 1 @5296 has 1 MA's), (7, 5380), (11, 5419), (18, 5488), (24, 5620), (29, 5743), (32, 5818), (42, 5917),