Pham 348104


11 16 19 21 30 34 38 40 45 46
1: JohnLord_23
7 11 16 19 21 28 34 38 40 45 46
2: Caterpie_22
1 3 9 13 21 27 38 45 46 50
3: Neobush_32 + 8
5 6 12 17 18 21 27 28 38 41 44 45 47 50
4: ThankyouJordi_33
1 3 9 13 21 27 38 45 46 50
5: Eudoria_32 + 2
5 6 12 17 18 21 27 28 38 41 44 45 47 50
6: WelcomeAyanna_33
4 7 8 14 15 21 23 24 31 32 33 36 38 40 43 45 46 49
7: Sprinklemunch_37
10 11 20 22 25 26 29 35 37 38 39 40 42 48
8: Che9c_32

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 348104 Report

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

Pham number 348104 has 18 members, 4 are drafts.

Phages represented in each track:
• Track 1 : JohnLord_23
• Track 2 : Caterpie_22
• Track 3 : Neobush_32, Dillpickles_34, Manasvini_32, Polly_29, Zameen_32, Suscepit_32, Trumpet_32, Tayonia_32, Maridalia_31
• Track 4 : ThankyouJordi_33
• Track 5 : Eudoria_32, Kita_32, Antonio_32
• Track 6 : WelcomeAyanna_33
• Track 7 : Sprinklemunch_37
• Track 8 : Che9c_32

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 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dillpickles_34, Manasvini_32, Maridalia_31, Neobush_32, Polly_29, Suscepit_32, Tayonia_32, Trumpet_32, Zameen_32,

Genes that have the "Most Annotated" start but do not call it:
• Antonio_32, Eudoria_32, Kita_32,

Genes that do not have the "Most Annotated" start:
• Caterpie_22, Che9c_32, JohnLord_23, Sprinklemunch_37, ThankyouJordi_33, WelcomeAyanna_33,

Summary by start number:

Start 5:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: ThankyouJordi_33 (CZ1),

Start 7:
• Found in 2 of 18 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sprinklemunch_37 (DW),

Start 9:
• Found in 12 of 18 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Antonio_32 (CZ1), Eudoria_32 (CZ1), Kita_32 (CZ1),

Start 10:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che9c_32 (I2),

Start 11:
• Found in 3 of 18 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Caterpie_22 (AD), JohnLord_23 (AD),

Start 12:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: WelcomeAyanna_33 (CZ1),

Start 13:
• Found in 12 of 18 (66.7%) of genes in pham
• Manual Annotations of this start: 8 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Dillpickles_34 (CZ1), Manasvini_32 (CZ1), Maridalia_31 (CZ1), Neobush_32 (CZ1), Polly_29 (CZ1), Suscepit_32 (CZ1), Tayonia_32 (CZ1), Trumpet_32 (CZ1), Zameen_32 (CZ1),

Summary by clusters:

There are 4 clusters represented in this pham: DW, I2, CZ1, AD,

Info for manual annotations of cluster CZ1:
•Start number 5 was manually annotated 1 time for cluster CZ1.
•Start number 9 was manually annotated 3 times for cluster CZ1.
•Start number 12 was manually annotated 1 time for cluster CZ1.
•Start number 13 was manually annotated 8 times for cluster CZ1.

Info for manual annotations of cluster I2:
•Start number 10 was manually annotated 1 time for cluster I2.

Gene Information:

Gene: Antonio_32 Start: 27731, Stop: 28267, Start Num: 9
Candidate Starts for Antonio_32:
(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),

Gene: Caterpie_22 Start: 16923, Stop: 17420, Start Num: 11
Candidate Starts for Caterpie_22:
(7, 16884), (11, 16923), (16, 16959), (19, 17016), (21, 17034), (28, 17085), (34, 17211), (38, 17298), (40, 17313), (45, 17352), (46, 17385),

Gene: Che9c_32 Start: 27464, Stop: 27973, Start Num: 10
Candidate Starts for Che9c_32:
(Start: 10 @27464 has 1 MA's), (11, 27467), (20, 27563), (22, 27590), (25, 27605), (26, 27617), (29, 27632), (35, 27773), (37, 27791), (38, 27854), (39, 27866), (40, 27869), (42, 27881), (48, 27953),

Gene: Dillpickles_34 Start: 27802, Stop: 28311, Start Num: 13
Candidate Starts for Dillpickles_34:
(1, 27676), (2, 27715), (3, 27718), (Start: 9 @27775 has 3 MA's), (Start: 13 @27802 has 8 MA's), (21, 27904), (27, 27952), (38, 28171), (45, 28225), (46, 28258), (50, 28291),

Gene: Eudoria_32 Start: 27731, Stop: 28267, Start Num: 9
Candidate Starts for Eudoria_32:
(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),

Gene: JohnLord_23 Start: 16429, Stop: 16926, Start Num: 11
Candidate Starts for JohnLord_23:
(11, 16429), (16, 16465), (19, 16522), (21, 16540), (30, 16621), (34, 16717), (38, 16804), (40, 16819), (45, 16858), (46, 16891),

Gene: Kita_32 Start: 27740, Stop: 28276, Start Num: 9
Candidate Starts for Kita_32:
(1, 27641), (2, 27680), (3, 27683), (Start: 9 @27740 has 3 MA's), (Start: 13 @27767 has 8 MA's), (21, 27869), (27, 27917), (38, 28136), (45, 28190), (46, 28223), (50, 28256),

Gene: Manasvini_32 Start: 27758, Stop: 28267, Start Num: 13
Candidate Starts for Manasvini_32:
(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),

Gene: Maridalia_31 Start: 27758, Stop: 28267, Start Num: 13
Candidate Starts for Maridalia_31:
(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),

Gene: Neobush_32 Start: 27758, Stop: 28267, Start Num: 13
Candidate Starts for Neobush_32:

(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),

Gene: Polly_29 Start: 27201, Stop: 27710, Start Num: 13
Candidate Starts for Polly_29:
(1, 27075), (2, 27114), (3, 27117), (Start: 9 @27174 has 3 MA's), (Start: 13 @27201 has 8 MA's), (21, 27303), (27, 27351), (38, 27570), (45, 27624), (46, 27657), (50, 27690),

Gene: Sprinklemunch_37 Start: 28991, Stop: 29551, Start Num: 7
Candidate Starts for Sprinklemunch_37:
(4, 28961), (7, 28991), (8, 29000), (14, 29045), (15, 29060), (21, 29147), (23, 29168), (24, 29171), (31, 29234), (32, 29273), (33, 29285), (36, 29345), (38, 29414), (40, 29429), (43, 29459), (45, 29468), (46, 29501), (49, 29528),

Gene: Suscepit_32 Start: 27759, Stop: 28268, Start Num: 13
Candidate Starts for Suscepit_32:
(1, 27633), (2, 27672), (3, 27675), (Start: 9 @27732 has 3 MA's), (Start: 13 @27759 has 8 MA's), (21, 27861), (27, 27909), (38, 28128), (45, 28182), (46, 28215), (50, 28248),

Gene: Tayonia_32 Start: 27758, Stop: 28267, Start Num: 13
Candidate Starts for Tayonia_32:
(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),

Gene: ThankyouJordi_33 Start: 28959, Stop: 29522, Start Num: 5
Candidate Starts for ThankyouJordi_33:
(Start: 5 @28959 has 1 MA's), (6, 28965), (Start: 12 @29022 has 1 MA's), (17, 29064), (18, 29100), (21, 29127), (27, 29175), (28, 29178), (38, 29385), (41, 29409), (44, 29433), (45, 29439), (47, 29475), (50, 29502),

Gene: Trumpet_32 Start: 27759, Stop: 28268, Start Num: 13
Candidate Starts for Trumpet_32:
(1, 27633), (2, 27672), (3, 27675), (Start: 9 @27732 has 3 MA's), (Start: 13 @27759 has 8 MA's), (21, 27861), (27, 27909), (38, 28128), (45, 28182), (46, 28215), (50, 28248),

Gene: WelcomeAyanna_33 Start: 29169, Stop: 29669, Start Num: 12
Candidate Starts for WelcomeAyanna_33:
(Start: 5 @29106 has 1 MA's), (6, 29112), (Start: 12 @29169 has 1 MA's), (17, 29211), (18, 29247), (21, 29274), (27, 29322), (28, 29325), (38, 29532), (41, 29556), (44, 29580), (45, 29586), (47, 29622), (50, 29649),

Gene: Zameen_32 Start: 27758, Stop: 28267, Start Num: 13
Candidate Starts for Zameen_32:
(1, 27632), (2, 27671), (3, 27674), (Start: 9 @27731 has 3 MA's), (Start: 13 @27758 has 8 MA's), (21, 27860), (27, 27908), (38, 28127), (45, 28181), (46, 28214), (50, 28247),