Pham 346498


1: Confidence_42
2: Pepperoni_34
3: Denise_37
4: Inuimbo_38
5: Malisha_61
6: BENtheidunthat_54
7: Spooky_44
8: GAL1_33

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 346498 Report

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

Pham number 346498 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Confidence_42
• Track 2 : Pepperoni_34
• Track 3 : Denise_37
• Track 4 : InLimbo_38
• Track 5 : Malisha_51
• Track 6 : BENtherdunthat_54
• Track 7 : Spooky_44
• Track 8 : GAL1_33

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BENtherdunthat_54, Confidence_42, GAL1_33, InLimbo_38, Pepperoni_34, Spooky_44,

Genes that have the "Most Annotated" start but do not call it:
• Denise_37,

Genes that do not have the "Most Annotated" start:
• Malisha_51,

Summary by start number:

Start 1:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Denise_37 (CZ5),

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham

• Manual Annotations of this start: 4 of 6
• Called 85.7% of time when present
• Phage (with cluster) where this start called: BENtherdunthat_54 (DN1), Confidence_42 (CY1), GAL1_33 (singleton), InLimbo_38 (DH), Pepperoni_34 (CZ), Spooky_44 (DN2),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malisha_51 (DN),

Summary by clusters:

There are 8 clusters represented in this pham: DN, singleton, DH, CY1, CZ5, CZ, DN1, DN2,

Info for manual annotations of cluster CY1:
•Start number 4 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CZ:
•Start number 4 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ5:
•Start number 1 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster DN:
•Start number 5 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 4 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 4 was manually annotated 1 time for cluster DN2.

Gene Information:

Gene: BENtherdunthat_54 Start: 35027, Stop: 34299, Start Num: 4
Candidate Starts for BENtherdunthat_54:
(Start: 4 @35027 has 4 MA's), (20, 34640), (28, 34505), (29, 34412), (30, 34403),

Gene: Confidence_42 Start: 32507, Stop: 31755, Start Num: 4
Candidate Starts for Confidence_42:
(Start: 1 @32534 has 1 MA's), (Start: 4 @32507 has 4 MA's), (7, 32447), (9, 32411), (17, 32210), (23, 32090), (25, 32015), (26, 32006), (31, 31871), (33, 31832), (34, 31820),

Gene: Denise_37 Start: 29800, Stop: 28982, Start Num: 1
Candidate Starts for Denise_37:
(Start: 1 @29800 has 1 MA's), (Start: 4 @29770 has 4 MA's), (16, 29482), (23, 29344), (24, 29308), (31, 29134), (33, 29095),

Gene: GAL1_33 Start: 30364, Stop: 29687, Start Num: 4
Candidate Starts for GAL1_33:
(Start: 4 @30364 has 4 MA's), (6, 30340), (8, 30274), (11, 30205), (12, 30190), (14, 30130), (15, 30124), (16, 30082), (18, 30004), (19, 29980),

Gene: InLimbo_38 Start: 29177, Stop: 28389, Start Num: 4
Candidate Starts for InLimbo_38:
(Start: 1 @29207 has 1 MA's), (Start: 4 @29177 has 4 MA's), (16, 28889), (19, 28787), (23, 28751), (24, 28715), (27, 28655), (31, 28541), (33, 28502),

Gene: Malisha_51 Start: 35349, Stop: 34549, Start Num: 5
Candidate Starts for Malisha_51:
(2, 35382), (3, 35376), (Start: 5 @35349 has 1 MA's), (7, 35289), (10, 35205), (13, 35121), (14, 35112), (15, 35106), (16, 35064), (19, 34962), (21, 34947), (22, 34935), (32, 34746),

Gene: Pepperoni_34 Start: 28496, Stop: 27708, Start Num: 4
Candidate Starts for Pepperoni_34:
(Start: 1 @28526 has 1 MA's), (Start: 4 @28496 has 4 MA's), (16, 28208), (23, 28070), (24, 28034), (31, 27860), (33, 27821),

Gene: Spooky_44 Start: 33200, Stop: 32373, Start Num: 4
Candidate Starts for Spooky_44:
(Start: 4 @33200 has 4 MA's), (6, 33176), (8, 33110), (11, 33041), (12, 33026), (14, 32966), (15, 32960), (16, 32918), (19, 32816), (22, 32789), (31, 32609), (35, 32477), (36, 32432),