Pham 126092

1: Leaf_26 + 1
2: Hendrix_25
3: Rasputia_25
4: Big4_270
5: Zooman_255
6: Cece_256

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 126092 Report

This analysis was run 04/28/24 on database version 559.

Pham number 126092 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Leaf_26, Dewdrop_26
• Track 2 : Hendrix_25
• Track 3 : Rasputia_25
• Track 4 : Big4_270
• Track 5 : Zooman_255
• Track 6 : Cece_256

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

The start number called the most often in the published annotations is 11, it was called in 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dewdrop_26, Hendrix_25, Leaf_26,

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

Genes that do not have the "Most Annotated" start:
• Big4_270, Cece_256, Rasputia_25, Zooman_255,

Summary by start number:

Start 7:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Big4_270 (GD2), Zooman_255 (GD2),

Start 10:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_256 (GD3), Rasputia_25 (GC),

Start 11:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dewdrop_26 (GC), Hendrix_25 (GC), Leaf_26 (GC),

Summary by clusters:

There are 3 clusters represented in this pham: GD2, GD3, GC,

Info for manual annotations of cluster GC:
•Start number 10 was manually annotated 1 time for cluster GC.
•Start number 11 was manually annotated 3 times for cluster GC.

Info for manual annotations of cluster GD2:
•Start number 7 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:
•Start number 10 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: Big4_270 Start: 153748, Stop: 154353, Start Num: 7
Candidate Starts for Big4_270:
(Start: 7 @153748 has 2 MA's), (12, 153781), (21, 153892), (22, 153895), (25, 153964), (28, 154024), (39, 154183), (52, 154303), (55, 154342),

Gene: Cece_256 Start: 150473, Stop: 151066, Start Num: 10
Candidate Starts for Cece_256:
(8, 150461), (9, 150467), (Start: 10 @150473 has 2 MA's), (13, 150500), (16, 150545), (21, 150602), (24, 150662), (25, 150671), (26, 150716), (41, 150908), (42, 150932), (43, 150935), (44, 150938), (47, 150959), (48, 150965), (54, 151046),

Gene: Dewdrop_26 Start: 10810, Stop: 11490, Start Num: 11
Candidate Starts for Dewdrop_26:
(Start: 11 @10810 has 3 MA's), (17, 10882), (18, 10891), (20, 10933), (23, 10990), (24, 10999), (25, 11008), (30, 11095), (36, 11179), (37, 11182), (38, 11191), (40, 11224), (46, 11275), (50, 11305), (51, 11308), (56, 11398),

Gene: Hendrix_25 Start: 11316, Stop: 12032, Start Num: 11
Candidate Starts for Hendrix_25:
(4, 11058), (5, 11079), (Start: 11 @11316 has 3 MA's), (14, 11364), (18, 11406), (19, 11436), (23, 11505), (24, 11514), (25, 11523), (28, 11583), (29, 11595), (33, 11661), (34, 11700), (40, 11766), (49, 11832), (50, 11847), (53, 11913), (56, 11940), (57, 12021),

Gene: Leaf_26 Start: 10810, Stop: 11490, Start Num: 11
Candidate Starts for Leaf_26:
(Start: 11 @10810 has 3 MA's), (17, 10882), (18, 10891), (20, 10933), (23, 10990), (24, 10999), (25, 11008), (30, 11095), (36, 11179), (37, 11182), (38, 11191), (40, 11224), (46, 11275), (50, 11305), (51,

11308), (56, 11398),

Gene: Rasputia_25 Start: 10886, Stop: 11599, Start Num: 10
Candidate Starts for Rasputia_25:
(1, 10286), (2, 10463), (3, 10511), (5, 10667), (6, 10712), (Start: 10 @10886 has 2 MA's), (15, 10946), (18, 10973), (23, 11072), (24, 11081), (25, 11090), (27, 11147), (28, 11150), (31, 11207), (33, 11228), (40, 11333), (45, 11378), (49, 11399), (50, 11414), (53, 11480), (56, 11507), (57, 11588),

Gene: Zooman_255 Start: 153487, Stop: 154092, Start Num: 7
Candidate Starts for Zooman_255:
(Start: 7 @153487 has 2 MA's), (12, 153520), (21, 153631), (22, 153634), (25, 153703), (28, 153763), (32, 153820), (35, 153874), (39, 153922), (52, 154042), (55, 154081),