Pham 282617

1: Fajezeel_89 + 3

2: Monet_88 + 3

3: Payneful_74

4: Marchy_78 + 1

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 282617 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282617 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fajezeel_89, Acme_90, Greg_89, Watermelon_88
• Track 2 : Monet_88, Treddle_85, QTRlifeCrisis_84, Buttons_81
• Track 3 : Payneful_74
• Track 4 : Marchy_78, Levia_79

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acme_90, Buttons_81, Fajezeel_89, Greg_89, Monet_88, QTRlifeCrisis_84, Treddle_85, Watermelon_88,

Genes that have the "Most Annotated" start but do not call it:
• Levia_79, Marchy_78, Payneful_74,

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

Summary by start number:

Start 1:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Payneful_74 (A1),

Start 2:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Levia_79 (A1), Marchy_78 (A1),

Start 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 11
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Acme_90 (A1), Buttons_81 (A1), Fajezeel_89 (A1), Greg_89 (A1), Monet_88 (A1), QTRlifeCrisis_84 (A1), Treddle_85 (A1), Watermelon_88 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 1 time for cluster A1.
•Start number 2 was manually annotated 2 times for cluster A1.
•Start number 3 was manually annotated 8 times for cluster A1.

Gene Information:

Gene: Acme_90 Start: 51093, Stop: 50980, Start Num: 3
Candidate Starts for Acme_90:
(Start: 2 @51108 has 2 MA's), (Start: 3 @51093 has 8 MA's), (4, 51078), (5, 51057), (7, 51045), (8, 51027),

Gene: Buttons_81 Start: 47302, Stop: 47189, Start Num: 3
Candidate Starts for Buttons_81:
(Start: 3 @47302 has 8 MA's), (4, 47287), (5, 47266), (7, 47254), (8, 47236),

Gene: Fajezeel_89 Start: 50383, Stop: 50270, Start Num: 3
Candidate Starts for Fajezeel_89:
(Start: 2 @50398 has 2 MA's), (Start: 3 @50383 has 8 MA's), (4, 50368), (5, 50347), (7, 50335), (8, 50317),

Gene: Greg_89 Start: 50383, Stop: 50270, Start Num: 3
Candidate Starts for Greg_89:
(Start: 2 @50398 has 2 MA's), (Start: 3 @50383 has 8 MA's), (4, 50368), (5, 50347), (7, 50335), (8, 50317),

Gene: Levia_79 Start: 46620, Stop: 46492, Start Num: 2
Candidate Starts for Levia_79:
(Start: 1 @46623 has 1 MA's), (Start: 2 @46620 has 2 MA's), (Start: 3 @46605 has 8 MA's), (4, 46590), (5, 46569), (6, 46566), (7, 46557), (8, 46539),

Gene: Marchy_78 Start: 46264, Stop: 46136, Start Num: 2
Candidate Starts for Marchy_78:
(Start: 1 @46267 has 1 MA's), (Start: 2 @46264 has 2 MA's), (Start: 3 @46249 has 8 MA's), (4, 46234), (5, 46213), (6, 46210), (7, 46201), (8, 46183),

Gene: Monet_88 Start: 50314, Stop: 50201, Start Num: 3
Candidate Starts for Monet_88:
(Start: 3 @50314 has 8 MA's), (4, 50299), (5, 50278), (7, 50266), (8, 50248),

Gene: Payneful_74 Start: 45359, Stop: 45228, Start Num: 1
Candidate Starts for Payneful_74:
(Start: 1 @45359 has 1 MA's), (Start: 2 @45356 has 2 MA's), (Start: 3 @45341 has 8 MA's), (4, 45326), (5, 45305), (6, 45302), (7, 45293), (8, 45275),

Gene: QTRlifeCrisis_84 Start: 48537, Stop: 48424, Start Num: 3
Candidate Starts for QTRlifeCrisis_84:
(Start: 3 @48537 has 8 MA's), (4, 48522), (5, 48501), (7, 48489), (8, 48471),

Gene: Treddle_85 Start: 49958, Stop: 49845, Start Num: 3
Candidate Starts for Treddle_85:
(Start: 3 @49958 has 8 MA's), (4, 49943), (5, 49922), (7, 49910), (8, 49892),

Gene: Watermelon_88 Start: 50262, Stop: 50149, Start Num: 3
Candidate Starts for Watermelon_88:
(Start: 2 @50277 has 2 MA's), (Start: 3 @50262 has 8 MA's), (4, 50247), (5, 50226), (7, 50214), (8, 50196),