Pham 88252

1: SV1_52
2: Mojorita_53
3: ToastyFinz_49
4: PapayaSalad_50
5: Bioscum_50
6: Ididsumtinwong_51

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 88252 Report

This analysis was run 04/05/24 on database version 557.

Pham number 88252 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SV1_52
• Track 2 : Mojorita_53
• Track 3 : ToastyFinz_49
• Track 4 : PapayaSalad_50
• Track 5 : Bioscum_50
• Track 6 : Ididsumtinwong_51

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

The start number called the most often in the published annotations is 16, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Mojorita_53, PapayaSalad_50, SV1_52, ToastyFinz_49,

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

Genes that do not have the "Most Annotated" start:
• Bioscum_50, Ididsumtinwong_51,

Summary by start number:

Start 16:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mojorita_53 (BC1), PapayaSalad_50 (BC3), SV1_52 (BC1), ToastyFinz_49 (BC1),

Start 27:
• Found in 2 of 6 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bioscum_50 (BC3), Ididsumtinwong_51 (BC3),

Summary by clusters:

There are 2 clusters represented in this pham: BC1, BC3,

Info for manual annotations of cluster BC1:
•Start number 16 was manually annotated 3 times for cluster BC1.

Info for manual annotations of cluster BC3:
•Start number 16 was manually annotated 1 time for cluster BC3.
•Start number 27 was manually annotated 2 times for cluster BC3.

Gene Information:

Gene: Bioscum_50 Start: 33454, Stop: 34275, Start Num: 27
Candidate Starts for Bioscum_50:
(Start: 27 @33454 has 2 MA's), (36, 33865), (37, 33946), (41, 34228),

Gene: Ididsumtinwong_51 Start: 33447, Stop: 34268, Start Num: 27
Candidate Starts for Ididsumtinwong_51:
(25, 33408), (Start: 27 @33447 has 2 MA's), (36, 33858), (37, 33939), (41, 34221),

Gene: Mojorita_53 Start: 35107, Stop: 36219, Start Num: 16
Candidate Starts for Mojorita_53:
(14, 34939), (Start: 16 @35107 has 4 MA's), (21, 35254), (22, 35314), (31, 35509), (35, 35692), (36, 35749),

Gene: PapayaSalad_50 Start: 33947, Stop: 35281, Start Num: 16
Candidate Starts for PapayaSalad_50:
(Start: 16 @33947 has 4 MA's), (17, 33995), (18, 34022), (20, 34082), (29, 34358), (32, 34451), (33, 34526), (34, 34562), (36, 34760), (37, 34841), (40, 35063), (41, 35234),

Gene: SV1_52 Start: 34007, Stop: 35269, Start Num: 16
Candidate Starts for SV1_52:
(1, 32861), (2, 32909), (3, 33023), (4, 33071), (5, 33254), (6, 33308), (7, 33341), (8, 33416), (9, 33422), (10, 33428), (11, 33593), (12, 33683), (13, 33722), (Start: 16 @34007 has 4 MA's), (21, 34154), (23, 34235), (24, 34268), (26, 34337), (28, 34394),

Gene: ToastyFinz_49 Start: 36486, Stop: 37577, Start Num: 16
Candidate Starts for ToastyFinz_49:
(15, 36384), (Start: 16 @36486 has 4 MA's), (19, 36600), (22, 36693), (26, 36795), (28, 36852), (30, 36933), (38, 37272), (39, 37329), (42, 37563),