Pham 291792

1: Teamocil_31 + 1
2: Skugga_28
3: Hendrix_60
4: Dewdrop_63 + 1
5: Rasputia_59
6: FuzzBuster_34
7: MisoSoup_21

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 291792 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291792 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Teamocil_31, Gina_31
• Track 2 : Skugga_28
• Track 3 : Hendrix_60
• Track 4 : Dewdrop_63, Leaf_63
• Track 5 : Rasputia_59
• Track 6 : FuzzBuster_34
• Track 7 : MisoSoup_21

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dewdrop_63, Gina_31, Hendrix_60, Leaf_63, MisoSoup_21, Rasputia_59, Skugga_28, Teamocil_31,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• FuzzBuster_34,

Summary by start number:

Start 2:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FuzzBuster_34 (GM),

Start 3:
• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 6 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dewdrop_63 (GC), Gina_31 (EC), Hendrix_60 (GC), Leaf_63 (GC), MisoSoup_21 (GM), Rasputia_59 (GC), Skugga_28 (EC), Teamocil_31 (EC),

Summary by clusters:

There are 3 clusters represented in this pham: GM, GC, EC,

Info for manual annotations of cluster EC:
•Start number 3 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster GC:
•Start number 3 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster GM:
•Start number 2 was manually annotated 1 time for cluster GM.

Gene Information:

Gene: Dewdrop_63 Start: 33239, Stop: 34438, Start Num: 3
Candidate Starts for Dewdrop_63:
(1, 32990), (Start: 3 @33239 has 6 MA's), (11, 33425), (13, 33485), (14, 33509), (15, 33548), (17, 33680), (18, 33692), (23, 33779), (25, 33797), (31, 33878), (33, 33929), (34, 33956), (35, 33974), (36, 34007), (37, 34013), (41, 34055), (43, 34097), (44, 34151), (46, 34184), (47, 34385), (48, 34403),

Gene: FuzzBuster_34 Start: 17131, Stop: 18030, Start Num: 2
Candidate Starts for FuzzBuster_34:
(Start: 2 @17131 has 1 MA's), (4, 17155), (7, 17227), (15, 17443), (16, 17563), (18, 17590), (24, 17692), (29, 17722), (31, 17764), (37, 17890), (39, 17911),

Gene: Gina_31 Start: 16779, Stop: 17786, Start Num: 3
Candidate Starts for Gina_31:
(Start: 3 @16779 has 6 MA's), (5, 16851), (6, 16866), (7, 16872), (9, 16890), (10, 16914), (11, 16965), (12, 16977), (13, 17025), (15, 17085), (17, 17214), (18, 17226), (21, 17274), (24, 17328), (26, 17352), (28, 17361), (30, 17370), (33, 17466), (35, 17511), (38, 17553), (45, 17718),

Gene: Hendrix_60 Start: 33192, Stop: 34076, Start Num: 3
Candidate Starts for Hendrix_60:
(Start: 3 @33192 has 6 MA's), (4, 33216), (11, 33378), (13, 33438), (15, 33501), (18, 33645), (25, 33750), (27, 33771), (35, 33906),

Gene: Leaf_63 Start: 33239, Stop: 34438, Start Num: 3
Candidate Starts for Leaf_63:
(1, 32990), (Start: 3 @33239 has 6 MA's), (11, 33425), (13, 33485), (14, 33509), (15, 33548), (17, 33680), (18, 33692), (23, 33779), (25, 33797), (31, 33878), (33, 33929), (34, 33956), (35, 33974), (36, 34007), (37, 34013), (41, 34055), (43, 34097), (44, 34151), (46, 34184), (47, 34385), (48, 34403),

Gene: MisoSoup_21 Start: 13023, Stop: 13928, Start Num: 3
Candidate Starts for MisoSoup_21:

(Start: 3 @13023 has 6 MA's), (4, 13047), (12, 13224), (16, 13455), (18, 13482), (19, 13500), (20, 13518), (22, 13548), (24, 13584), (29, 13614), (32, 13683), (42, 13860),

Gene: Rasputia_59 Start: 32882, Stop: 33766, Start Num: 3
Candidate Starts for Rasputia_59:
(Start: 3 @32882 has 6 MA's), (4, 32906), (8, 32978), (11, 33068), (14, 33152), (15, 33191), (17, 33323), (18, 33335), (25, 33440), (27, 33461), (35, 33596),

Gene: Skugga_28 Start: 16797, Stop: 17804, Start Num: 3
Candidate Starts for Skugga_28:
(Start: 3 @16797 has 6 MA's), (5, 16869), (6, 16884), (9, 16908), (11, 16983), (12, 16995), (13, 17043), (15, 17103), (18, 17244), (21, 17292), (24, 17346), (26, 17370), (33, 17484), (35, 17529), (38, 17571), (40, 17604), (45, 17736),

Gene: Teamocil_31 Start: 16878, Stop: 17885, Start Num: 3
Candidate Starts for Teamocil_31:
(Start: 3 @16878 has 6 MA's), (5, 16950), (6, 16965), (7, 16971), (9, 16989), (10, 17013), (11, 17064), (12, 17076), (13, 17124), (15, 17184), (17, 17313), (18, 17325), (21, 17373), (24, 17427), (26, 17451), (28, 17460), (30, 17469), (33, 17565), (35, 17610), (38, 17652), (45, 17817),