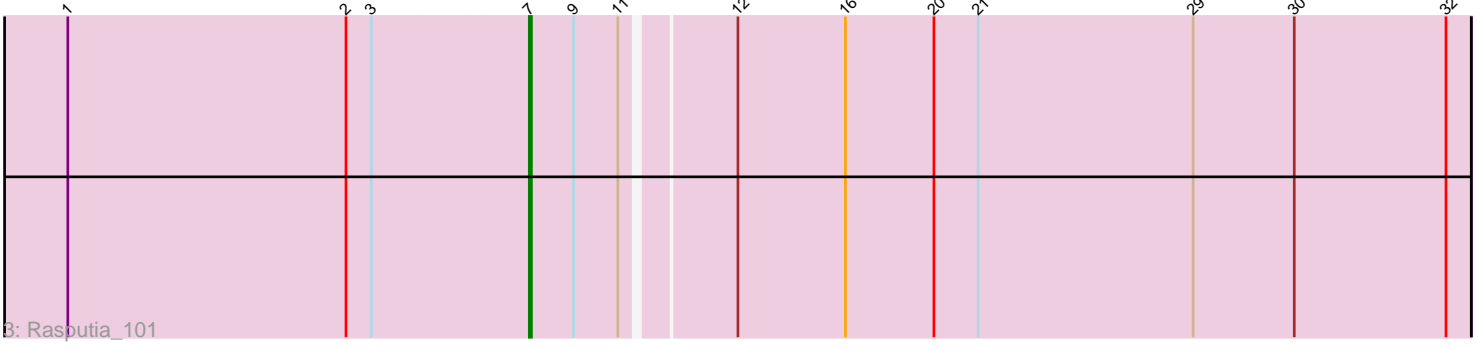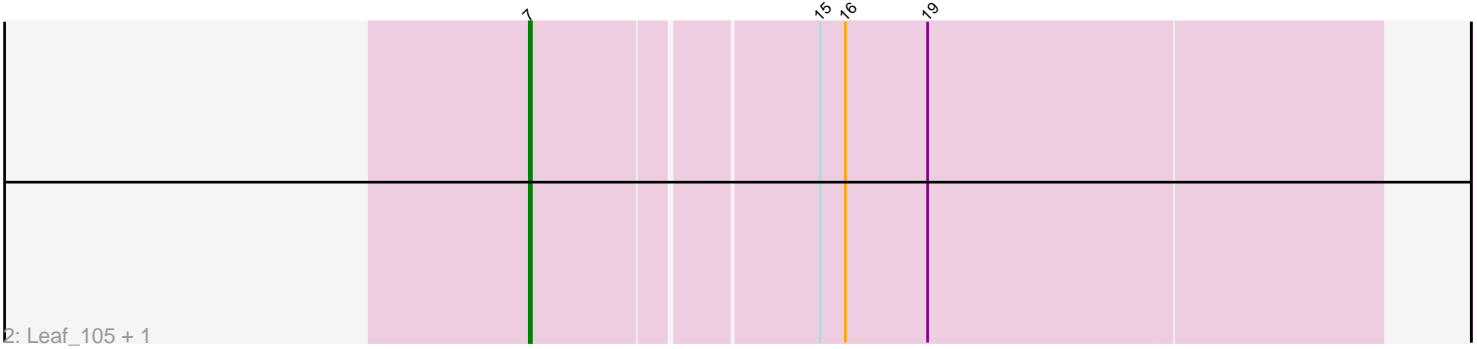# Pham 88053

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 88053 Report

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

Pham number 88053 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : EGole_272, EGole_18
• Track 2 : Leaf_105, Dewdrop_105
• Track 3 : Rasputia_101
• Track 4 : Pumpernickel_48, Pumpernickel_349

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EGole_18, EGole_272, Pumpernickel_349, Pumpernickel_48,

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

Genes that do not have the "Most Annotated" start:
• Dewdrop_105, Leaf_105, Rasputia_101,

Summary by start number:

Start 7:
• 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_105 (GC), Leaf_105 (GC), Rasputia_101 (GC),

Start 10:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EGole_18 (BE1), EGole_272 (BE1), Pumpernickel_349 (GD4), Pumpernickel_48 (GD4),

Summary by clusters:

There are 3 clusters represented in this pham: GC, BE1, GD4,

Info for manual annotations of cluster BE1:
•Start number 10 was manually annotated 2 times for cluster BE1.

Info for manual annotations of cluster GC:
•Start number 7 was manually annotated 3 times for cluster GC.

Info for manual annotations of cluster GD4:
•Start number 10 was manually annotated 2 times for cluster GD4.

Gene Information:
Gene: Dewdrop_105 Start: 66208, Stop: 66600, Start Num: 7
Candidate Starts for Dewdrop_105:
(Start: 7 @66208 has 3 MA's), (15, 66337), (16, 66349), (19, 66388),

Gene: EGole_272 Start: 133617, Stop: 133303, Start Num: 10
Candidate Starts for EGole_272:
(4, 133677), (6, 133647), (Start: 10 @133617 has 4 MA's), (22, 133428), (24, 133410), (25, 133407), (28, 133347),

Gene: EGole_18 Start: 9305, Stop: 8991, Start Num: 10
Candidate Starts for EGole_18:
(4, 9365), (6, 9335), (Start: 10 @9305 has 4 MA's), (22, 9116), (24, 9098), (25, 9095), (28, 9035),

Gene: Leaf_105 Start: 66208, Stop: 66600, Start Num: 7
Candidate Starts for Leaf_105:
(Start: 7 @66208 has 3 MA's), (15, 66337), (16, 66349), (19, 66388),

Gene: Pumpernickel_48 Start: 17236, Stop: 17580, Start Num: 10
Candidate Starts for Pumpernickel_48:
(5, 17200), (8, 17230), (Start: 10 @17236 has 4 MA's), (13, 17323), (14, 17329), (17, 17362), (18, 17386), (19, 17398), (23, 17437), (24, 17452), (26, 17464), (27, 17500), (31, 17575),

Gene: Pumpernickel_349 Start: 183368, Stop: 183712, Start Num: 10
Candidate Starts for Pumpernickel_349:
(5, 183332), (8, 183362), (Start: 10 @183368 has 4 MA's), (13, 183455), (14, 183461), (17, 183494), (18, 183518), (19, 183530), (23, 183569), (24, 183584), (26, 183596), (27, 183632), (31, 183707),

Gene: Rasputia_101 Start: 64844, Stop: 65281, Start Num: 7
Candidate Starts for Rasputia_101:
(1, 64628), (2, 64760), (3, 64772), (Start: 7 @64844 has 3 MA's), (9, 64865), (11, 64886), (12, 64934), (16, 64985), (20, 65027), (21, 65048), (29, 65150), (30, 65198), (32, 65270),