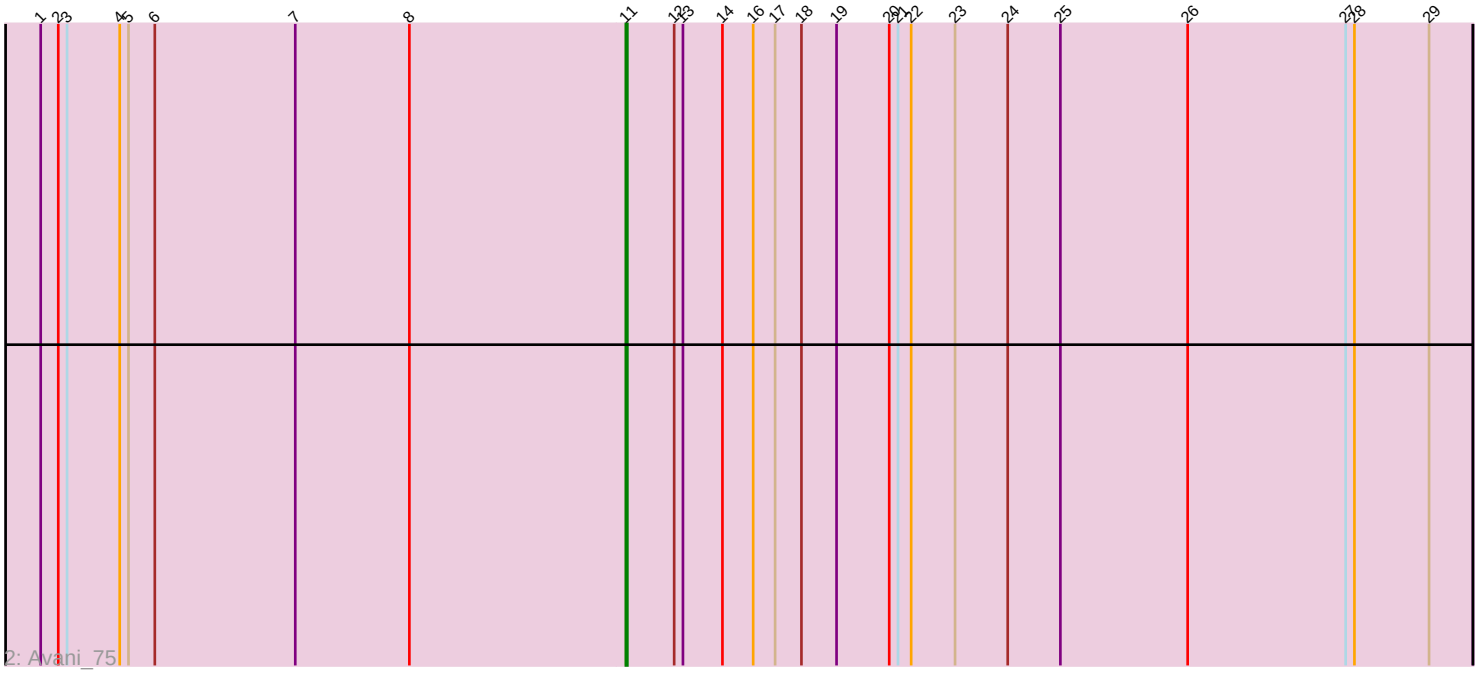
Pham 341403


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1: Leozinho_65 + 1


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2: Avani_75

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 341403 Report

This analysis was run 11/14/26 on database version 672.

Pham number 341403 has 3 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Leozinho_65, MadMen_66
• Track 2 : Avani_75

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Leozinho_65, MadMen_66,

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

Genes that do not have the "Most Annotated" start:
• Avani_75,

Summary by start number:

Start 9:
• Found in 2 of 3 (66.7%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Leozinho_65 (F1), MadMen_66 (F1),

Start 11:
• Found in 3 of 3 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Avani_75 (F2),

Summary by clusters:

There are 2 clusters represented in this pham: F1, F2,

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:
•Start number 11 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Avani_75 Start: 43135, Stop: 43713, Start Num: 11
Candidate Starts for Avani_75:
(1, 42736), (2, 42748), (3, 42754), (4, 42790), (5, 42796), (6, 42814), (7, 42910), (8, 42988), (Start: 11 @43135 has 1 MA's), (12, 43168), (13, 43174), (14, 43201), (16, 43222), (17, 43237), (18, 43255), (19, 43279), (20, 43315), (21, 43321), (22, 43330), (23, 43360), (24, 43396), (25, 43432), (26, 43519), (27, 43627), (28, 43633), (29, 43684),

Gene: Leozinho_65 Start: 41504, Stop: 42199, Start Num: 9
Candidate Starts for Leozinho_65:
(Start: 9 @41504 has 2 MA's), (10, 41600), (Start: 11 @41621 has 1 MA's), (12, 41654), (13, 41660), (14, 41687), (15, 41702), (16, 41708), (17, 41723), (18, 41741), (19, 41765), (20, 41801), (21, 41807), (22, 41816), (23, 41846), (24, 41882), (25, 41918), (26, 42005), (27, 42113), (28, 42119), (29, 42170),

Gene: MadMen_66 Start: 42972, Stop: 43667, Start Num: 9
Candidate Starts for MadMen_66:
(Start: 9 @42972 has 2 MA's), (10, 43068), (Start: 11 @43089 has 1 MA's), (12, 43122), (13, 43128), (14, 43155), (15, 43170), (16, 43176), (17, 43191), (18, 43209), (19, 43233), (20, 43269), (21, 43275), (22, 43284), (23, 43314), (24, 43350), (25, 43386), (26, 43473), (27, 43581), (28, 43587), (29, 43638),