Pham 106762

1: Sassafras_48 + 8

2: Girafales_60

3: Firehouse51_51

4: DocMcStuffins_46

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 106762 Report

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

Pham number 106762 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sassafras_48, DillTech15_48, Ogopogo_50, Whouxphf_49, Inventum_45, Chuckly_49, Sandalphon_52, OldBen_48, DaWorst_51
• Track 2 : Girafales_60
• Track 3 : Firehouse51_51
• Track 4 : DocMcStuffins_46

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 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chuckly_49, DaWorst_51, DillTech15_48, Girafales_60, Inventum_45, Ogopogo_50, OldBen_48, Sandalphon_52, Sassafras_48, Whouxphf_49,

Genes that have the "Most Annotated" start but do not call it:
• Firehouse51_51,

Genes that do not have the "Most Annotated" start:
• DocMcStuffins_46,

Summary by start number:

Start 2:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Firehouse51_51 (F1),

Start 3:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 90.9% of time when present

• Phage (with cluster) where this start called: Chuckly_49 (F1), DaWorst_51 (F1), DillTech15_48 (F1), Girafales_60 (F1), Inventum_45 (F1), Ogopogo_50 (F1), OldBen_48 (F1), Sandalphon_52 (F1), Sassafras_48 (F1), Whouxphf_49 (F1),

Start 4:
• Found in 1 of 12 (8.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DocMcStuffins_46 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 1 time for cluster F1.
•Start number 3 was manually annotated 10 times for cluster F1.

Gene Information:

Gene: Chuckly_49 Start: 36317, Stop: 36604, Start Num: 3
Candidate Starts for Chuckly_49:
(Start: 3 @36317 has 10 MA's), (6, 36407), (7, 36458), (8, 36470), (9, 36503), (10, 36569),

Gene: DaWorst_51 Start: 37144, Stop: 37431, Start Num: 3
Candidate Starts for DaWorst_51:
(Start: 3 @37144 has 10 MA's), (6, 37234), (7, 37285), (8, 37297), (9, 37330), (10, 37396),

Gene: DillTech15_48 Start: 35559, Stop: 35846, Start Num: 3
Candidate Starts for DillTech15_48:
(Start: 3 @35559 has 10 MA's), (6, 35649), (7, 35700), (8, 35712), (9, 35745), (10, 35811),

Gene: DocMcStuffins_46 Start: 35645, Stop: 35926, Start Num: 4
Candidate Starts for DocMcStuffins_46:
(4, 35645), (5, 35702), (6, 35729), (10, 35891),

Gene: Firehouse51_51 Start: 39489, Stop: 39776, Start Num: 2
Candidate Starts for Firehouse51_51:
(1, 39462), (Start: 2 @39489 has 1 MA's), (Start: 3 @39492 has 10 MA's), (6, 39579), (7, 39630), (8, 39642), (9, 39675), (10, 39741),

Gene: Girafales_60 Start: 38964, Stop: 39248, Start Num: 3
Candidate Starts for Girafales_60:
(1, 38934), (Start: 2 @38961 has 1 MA's), (Start: 3 @38964 has 10 MA's), (6, 39051), (7, 39102), (8, 39114), (9, 39147), (10, 39213),

Gene: Inventum_45 Start: 35693, Stop: 35980, Start Num: 3
Candidate Starts for Inventum_45:
(Start: 3 @35693 has 10 MA's), (6, 35783), (7, 35834), (8, 35846), (9, 35879), (10, 35945),

Gene: Ogopogo_50 Start: 35859, Stop: 36146, Start Num: 3

Candidate Starts for Ogopogo_50:
(Start: 3 @35859 has 10 MA's), (6, 35949), (7, 36000), (8, 36012), (9, 36045), (10, 36111),

Gene: OldBen_48 Start: 36698, Stop: 36985, Start Num: 3
Candidate Starts for OldBen_48:
(Start: 3 @36698 has 10 MA's), (6, 36788), (7, 36839), (8, 36851), (9, 36884), (10, 36950),

Gene: Sandalphon_52 Start: 37477, Stop: 37764, Start Num: 3
Candidate Starts for Sandalphon_52:
(Start: 3 @37477 has 10 MA's), (6, 37567), (7, 37618), (8, 37630), (9, 37663), (10, 37729),

Gene: Sassafras_48 Start: 35692, Stop: 35979, Start Num: 3
Candidate Starts for Sassafras_48:
(Start: 3 @35692 has 10 MA's), (6, 35782), (7, 35833), (8, 35845), (9, 35878), (10, 35944),

Gene: Whouxphf_49 Start: 36983, Stop: 37270, Start Num: 3
Candidate Starts for Whouxphf_49:
(Start: 3 @36983 has 10 MA's), (6, 37073), (7, 37124), (8, 37136), (9, 37169), (10, 37235),