Pham 106977

1: Roary_92 + 6

2: Stephig9_90
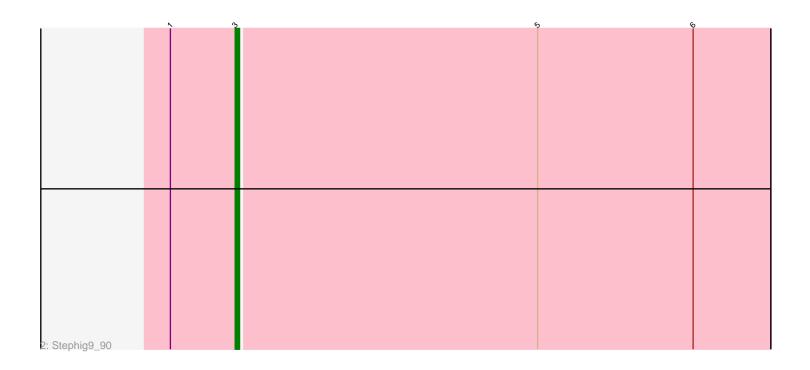
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 106977 Report

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

Pham number 106977 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Roary_92, Dixon_89, Phillis_87, NearlyHeadless_91, Danforth_91, Expelliarmus_87, Smeadley_90
• Track 2 : Stephig9_90

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Danforth_91, Dixon_89, Expelliarmus_87, NearlyHeadless_91, Phillis_87, Roary_92, Smeadley_90,

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

Genes that do not have the "Most Annotated" start:
• Stephig9_90,

Summary by start number:

Start 2:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Danforth_91 (A8), Dixon_89 (A8), Expelliarmus_87 (A8), NearlyHeadless_91 (A8), Phillis_87 (A8), Roary_92 (A8), Smeadley_90 (A8),

Start 3:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stephig9_90 (A8),

Summary by clusters:

There is one cluster represented in this pham: A8

Info for manual annotations of cluster A8:
•Start number 2 was manually annotated 7 times for cluster A8.
•Start number 3 was manually annotated 1 time for cluster A8.

Gene Information:
Gene: Danforth_91 Start: 47917, Stop: 47792, Start Num: 2
Candidate Starts for Danforth_91:
(Start: 2 @47917 has 7 MA's), (4, 47887), (5, 47845), (6, 47809),

Gene: Dixon_89 Start: 47322, Stop: 47197, Start Num: 2
Candidate Starts for Dixon_89:
(Start: 2 @47322 has 7 MA's), (4, 47292), (5, 47250), (6, 47214),

Gene: Expelliarmus_87 Start: 47536, Stop: 47411, Start Num: 2
Candidate Starts for Expelliarmus_87:
(Start: 2 @47536 has 7 MA's), (4, 47506), (5, 47464), (6, 47428),

Gene: NearlyHeadless_91 Start: 47654, Stop: 47529, Start Num: 2
Candidate Starts for NearlyHeadless_91:
(Start: 2 @47654 has 7 MA's), (4, 47624), (5, 47582), (6, 47546),

Gene: Phillis_87 Start: 46667, Stop: 46542, Start Num: 2
Candidate Starts for Phillis_87:
(Start: 2 @46667 has 7 MA's), (4, 46637), (5, 46595), (6, 46559),

Gene: Roary_92 Start: 47794, Stop: 47669, Start Num: 2
Candidate Starts for Roary_92:
(Start: 2 @47794 has 7 MA's), (4, 47764), (5, 47722), (6, 47686),

Gene: Smeadley_90 Start: 47658, Stop: 47533, Start Num: 2
Candidate Starts for Smeadley_90:
(Start: 2 @47658 has 7 MA's), (4, 47628), (5, 47586), (6, 47550),

Gene: Stephig9_90 Start: 47819, Stop: 47697, Start Num: 3
Candidate Starts for Stephig9_90:
(1, 47834), (Start: 3 @47819 has 1 MA's), (5, 47750), (6, 47714),