Pham 172005

1: Smeadley_44 + 5

2: Phillis_45

3: Stephig9_44

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 172005 Report

This analysis was run 07/10/24 on database version 566.

Pham number 172005 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Smeadley_44, Astro_43, Roary_44, Groundhog_42, Danforth_43, Expelliarmus_43
• Track 2 : Phillis_45
• Track 3 : Stephig9_44

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Astro_43, Danforth_43, Expelliarmus_43, Groundhog_42, Phillis_45, Roary_44, Smeadley_44, Stephig9_44,

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

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

Summary by start number:

Start 1:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Astro_43 (A8), Danforth_43 (A8), Expelliarmus_43 (A8), Groundhog_42 (A8), Phillis_45 (A8), Roary_44 (A8), Smeadley_44 (A8), Stephig9_44 (A8),

Summary by clusters:

There is one cluster represented in this pham: A8

Info for manual annotations of cluster A8:
•Start number 1 was manually annotated 8 times for cluster A8.

Gene Information:

Gene: Astro_43 Start: 30852, Stop: 30550, Start Num: 1
Candidate Starts for Astro_43:
(Start: 1 @30852 has 8 MA's), (2, 30741), (3, 30732), (5, 30639), (6, 30588), (7, 30567),

Gene: Danforth_43 Start: 30881, Stop: 30579, Start Num: 1
Candidate Starts for Danforth_43:
(Start: 1 @30881 has 8 MA's), (2, 30770), (3, 30761), (5, 30668), (6, 30617), (7, 30596),

Gene: Expelliarmus_43 Start: 30910, Stop: 30608, Start Num: 1
Candidate Starts for Expelliarmus_43:
(Start: 1 @30910 has 8 MA's), (2, 30799), (3, 30790), (5, 30697), (6, 30646), (7, 30625),

Gene: Groundhog_42 Start: 30817, Stop: 30515, Start Num: 1
Candidate Starts for Groundhog_42:
(Start: 1 @30817 has 8 MA's), (2, 30706), (3, 30697), (5, 30604), (6, 30553), (7, 30532),

Gene: Phillis_45 Start: 31235, Stop: 30933, Start Num: 1
Candidate Starts for Phillis_45:
(Start: 1 @31235 has 8 MA's), (2, 31124), (3, 31115), (4, 31055), (5, 31022), (6, 30971), (7, 30950),

Gene: Roary_44 Start: 30866, Stop: 30564, Start Num: 1
Candidate Starts for Roary_44:
(Start: 1 @30866 has 8 MA's), (2, 30755), (3, 30746), (5, 30653), (6, 30602), (7, 30581),

Gene: Smeadley_44 Start: 31032, Stop: 30730, Start Num: 1
Candidate Starts for Smeadley_44:
(Start: 1 @31032 has 8 MA's), (2, 30921), (3, 30912), (5, 30819), (6, 30768), (7, 30747),

Gene: Stephig9_44 Start: 30891, Stop: 30589, Start Num: 1
Candidate Starts for Stephig9_44:
(Start: 1 @30891 has 8 MA's), (2, 30780), (3, 30771), (5, 30678), (6, 30627), (7, 30606),