Pham 86975

1: Malthus_94 + 9

2: SamScheppers_92 + 3

3: Slarp_91

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 86975 Report

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

Pham number 86975 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Malthus_94, Y2_89, JF1_93, Juliette_95, Y10_89, Eponine_95, OmniCritical_93, Wintermute_93, Ruthiejr_95, Fionnbharth_93
• Track 2 : SamScheppers_92, Cheetobro_91, Mitti_93, Chancellor_93
• Track 3 : Slarp_91

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 14 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chancellor_93, Cheetobro_91, Eponine_95, Fionnbharth_93, JF1_93, Juliette_95, Malthus_94, Mitti_93, OmniCritical_93, Ruthiejr_95, SamScheppers_92, Wintermute_93, Y10_89, Y2_89,

Genes that have the "Most Annotated" start but do not call it:
• Slarp_91,

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

Summary by start number:

Start 1:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 6.7% of time when present
• Phage (with cluster) where this start called: Slarp_91 (K4),

Start 3:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 15
• Called 93.3% of time when present

• Phage (with cluster) where this start called: Chancellor_93 (K4), Cheetobro_91 (K4), Eponine_95 (K4), Fionnbharth_93 (K4), JF1_93 (K4), Juliette_95 (K4), Malthus_94 (K4), Mitti_93 (K4), OmniCritical_93 (K4), Ruthiejr_95 (K4), SamScheppers_92 (K4), Wintermute_93 (K4), Y10_89 (K4), Y2_89 (K4),

Summary by clusters:

There is one cluster represented in this pham: K4

Info for manual annotations of cluster K4:
•Start number 1 was manually annotated 1 time for cluster K4.
•Start number 3 was manually annotated 14 times for cluster K4.

Gene Information:

Gene: Chancellor_93 Start: 56569, Stop: 56781, Start Num: 3
Candidate Starts for Chancellor_93:
(Start: 1 @56503 has 1 MA's), (2, 56542), (Start: 3 @56569 has 14 MA's),

Gene: Cheetobro_91 Start: 56125, Stop: 56337, Start Num: 3
Candidate Starts for Cheetobro_91:
(Start: 1 @56059 has 1 MA's), (2, 56098), (Start: 3 @56125 has 14 MA's),

Gene: Eponine_95 Start: 57549, Stop: 57761, Start Num: 3
Candidate Starts for Eponine_95:
(Start: 1 @57483 has 1 MA's), (Start: 3 @57549 has 14 MA's),

Gene: Fionnbharth_93 Start: 56947, Stop: 57159, Start Num: 3
Candidate Starts for Fionnbharth_93:
(Start: 1 @56881 has 1 MA's), (Start: 3 @56947 has 14 MA's),

Gene: JF1_93 Start: 56862, Stop: 57074, Start Num: 3
Candidate Starts for JF1_93:
(Start: 1 @56796 has 1 MA's), (Start: 3 @56862 has 14 MA's),

Gene: Juliette_95 Start: 56943, Stop: 57155, Start Num: 3
Candidate Starts for Juliette_95:
(Start: 1 @56877 has 1 MA's), (Start: 3 @56943 has 14 MA's),

Gene: Malthus_94 Start: 56672, Stop: 56884, Start Num: 3
Candidate Starts for Malthus_94:
(Start: 1 @56606 has 1 MA's), (Start: 3 @56672 has 14 MA's),

Gene: Mitti_93 Start: 56767, Stop: 56979, Start Num: 3
Candidate Starts for Mitti_93:
(Start: 1 @56701 has 1 MA's), (2, 56740), (Start: 3 @56767 has 14 MA's),

Gene: OmniCritical_93 Start: 56845, Stop: 57057, Start Num: 3
Candidate Starts for OmniCritical_93:
(Start: 1 @56779 has 1 MA's), (Start: 3 @56845 has 14 MA's),

Gene: Ruthiejr_95 Start: 56730, Stop: 56942, Start Num: 3
Candidate Starts for Ruthiejr_95:
(Start: 1 @56664 has 1 MA's), (Start: 3 @56730 has 14 MA's),

Gene: SamScheppers_92 Start: 57223, Stop: 57435, Start Num: 3
Candidate Starts for SamScheppers_92:
(Start: 1 @57157 has 1 MA's), (2, 57196), (Start: 3 @57223 has 14 MA's),

Gene: Slarp_91 Start: 56062, Stop: 56340, Start Num: 1
Candidate Starts for Slarp_91:
(Start: 1 @56062 has 1 MA's), (2, 56101), (Start: 3 @56128 has 14 MA's),

Gene: Wintermute_93 Start: 56918, Stop: 57130, Start Num: 3
Candidate Starts for Wintermute_93:
(Start: 1 @56852 has 1 MA's), (Start: 3 @56918 has 14 MA's),

Gene: Y10_89 Start: 56862, Stop: 57074, Start Num: 3
Candidate Starts for Y10_89:
(Start: 1 @56796 has 1 MA's), (Start: 3 @56862 has 14 MA's),

Gene: Y2_89 Start: 56862, Stop: 57074, Start Num: 3
Candidate Starts for Y2_89:
(Start: 1 @56796 has 1 MA's), (Start: 3 @56862 has 14 MA's),