Pham 5427

1: Smarties_73 + 1

2: Tissue_59

3: Kyva_61 + 1

4: Namago_59

5: Nike_61 + 2

6: Phinky_67

7: Tempo_65 + 3

8: Fizzles_59

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 5427 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5427 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Smarties_73, Ariadne_73
• Track 2 : Tissue_59
• Track 3 : Kyva_61, Grassboy_61
• Track 4 : Namago_59
• Track 5 : Nike_61, SallyK_60, Zagie_59
• Track 6 : Phinky_67
• Track 7 : Tempo_65, Fregley_65, Marcie_70, Kelcole_63
• Track 8 : Fizzles_59

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fizzles_59, Fregley_65, Grassboy_61, Kelcole_63, Kyva_61, Marcie_70, Namago_59, Nike_61, Phinky_67, SallyK_60, Tempo_65, Tissue_59, Zagie_59,

Genes that have the "Most Annotated" start but do not call it:
• Ariadne_73, Smarties_73,

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

Summary by start number:

Start 3:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariadne_73 (EC), Smarties_73 (EC),

Start 4:
• Found in 15 of 15 (100.0%) of genes in pham

• Manual Annotations of this start: 11 of 13
• Called 86.7% of time when present
• Phage (with cluster) where this start called: Fizzles_59 (EG), Fregley_65 (EG), Grassboy_61 (EG), Kelcole_63 (EG), Kyva_61 (EG), Marcie_70 (EG), Namago_59 (EG), Nike_61 (EG), Phinky_67 (EG), SallyK_60 (EG), Tempo_65 (EG), Tissue_59 (EG), Zagie_59 (EG),

Summary by clusters:

There are 2 clusters represented in this pham: EG, EC,

Info for manual annotations of cluster EC:
•Start number 3 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster EG:
•Start number 4 was manually annotated 11 times for cluster EG.

Gene Information:

Gene: Ariadne_73 Start: 42254, Stop: 42439, Start Num: 3
Candidate Starts for Ariadne_73:
(Start: 3 @42254 has 2 MA's), (Start: 4 @42260 has 11 MA's), (6, 42305), (7, 42359),

Gene: Fizzles_59 Start: 43535, Stop: 43356, Start Num: 4
Candidate Starts for Fizzles_59:
(Start: 4 @43535 has 11 MA's), (5, 43499), (7, 43436),

Gene: Fregley_65 Start: 43345, Stop: 43166, Start Num: 4
Candidate Starts for Fregley_65:
(Start: 4 @43345 has 11 MA's), (7, 43246), (8, 43228),

Gene: Grassboy_61 Start: 44082, Stop: 43903, Start Num: 4
Candidate Starts for Grassboy_61:
(Start: 4 @44082 has 11 MA's), (6, 44037), (7, 43983),

Gene: Kelcole_63 Start: 43407, Stop: 43228, Start Num: 4
Candidate Starts for Kelcole_63:
(Start: 4 @43407 has 11 MA's), (7, 43308), (8, 43290),

Gene: Kyva_61 Start: 44105, Stop: 43926, Start Num: 4
Candidate Starts for Kyva_61:
(Start: 4 @44105 has 11 MA's), (6, 44060), (7, 44006),

Gene: Marcie_70 Start: 44300, Stop: 44121, Start Num: 4
Candidate Starts for Marcie_70:
(Start: 4 @44300 has 11 MA's), (7, 44201), (8, 44183),

Gene: Namago_59 Start: 43012, Stop: 42836, Start Num: 4
Candidate Starts for Namago_59:
(2, 43180), (Start: 4 @43012 has 11 MA's), (7, 42913),

Gene: Nike_61 Start: 44436, Stop: 44260, Start Num: 4
Candidate Starts for Nike_61:
(Start: 4 @44436 has 11 MA's), (7, 44337),

Gene: Phinky_67 Start: 45345, Stop: 45169, Start Num: 4
Candidate Starts for Phinky_67:
(Start: 4 @45345 has 11 MA's), (7, 45246),

Gene: SallyK_60 Start: 44264, Stop: 44088, Start Num: 4
Candidate Starts for SallyK_60:
(Start: 4 @44264 has 11 MA's), (7, 44165),

Gene: Smarties_73 Start: 42254, Stop: 42439, Start Num: 3
Candidate Starts for Smarties_73:
(Start: 3 @42254 has 2 MA's), (Start: 4 @42260 has 11 MA's), (6, 42305), (7, 42359),

Gene: Tempo_65 Start: 43689, Stop: 43510, Start Num: 4
Candidate Starts for Tempo_65:
(Start: 4 @43689 has 11 MA's), (7, 43590), (8, 43572),

Gene: Tissue_59 Start: 43959, Stop: 43780, Start Num: 4
Candidate Starts for Tissue_59:
(1, 44211), (Start: 4 @43959 has 11 MA's), (6, 43914), (7, 43860),

Gene: Zagie_59 Start: 43541, Stop: 43365, Start Num: 4
Candidate Starts for Zagie_59:
(Start: 4 @43541 has 11 MA's), (7, 43442),