Pham 156850

1: Sumter_90
2: Sunshine924_96
3: RidgeCB_93
4: HermioneGrange_97
5: MPlant7149_92
6: Pippin_96
7: StewieG_90
8: Homines_87
9: Wilkins_94
10: Marsha_97

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 156850 Report

This analysis was run 04/12/24 on database version 558.

Pham number 156850 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sumter_90
• Track 2 : Sunshine924_96
• Track 3 : RidgeCB_93
• Track 4 : HermioneGrange_97
• Track 5 : MPlant7149_92
• Track 6 : Pippin_96
• Track 7 : StewieG_90
• Track 8 : Homines_87
• Track 9 : Wilkins_94
• Track 10 : Marsha_97

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

The start number called the most often in the published annotations is 14, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Marsha_97, Pippin_96, RidgeCB_93, StewieG_90, Sumter_90, Wilkins_94,

Genes that have the "Most Annotated" start but do not call it:
• Sunshine924_96,

Genes that do not have the "Most Annotated" start:
• HermioneGrange_97, Homines_87, MPlant7149_92,

Summary by start number:

Start 5:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: HermioneGrange_97 (A1),

Start 6:

• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: MPlant7149_92 (A1),

Start 7:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Homines_87 (A1),

Start 13:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sunshine924_96 (A1),

Start 14:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 5 of 9
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Marsha_97 (A1), Pippin_96 (A1), RidgeCB_93 (A1), StewieG_90 (A1), Sumter_90 (A1), Wilkins_94 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 5 was manually annotated 1 time for cluster A1.
•Start number 6 was manually annotated 1 time for cluster A1.
•Start number 7 was manually annotated 1 time for cluster A1.
•Start number 13 was manually annotated 1 time for cluster A1.
•Start number 14 was manually annotated 5 times for cluster A1.

Gene Information:

Gene: HermioneGrange_97 Start: 52867, Stop: 52475, Start Num: 5
Candidate Starts for HermioneGrange_97:
(1, 53116), (2, 53080), (Start: 5 @52867 has 1 MA's), (Start: 6 @52855 has 1 MA's), (Start: 7 @52846 has 1 MA's), (9, 52807), (11, 52789), (18, 52642), (19, 52621), (28, 52558),

Gene: Homines_87 Start: 48201, Stop: 47815, Start Num: 7
Candidate Starts for Homines_87:
(2, 48435), (Start: 7 @48201 has 1 MA's), (10, 48147), (12, 48132), (15, 48093), (16, 48027), (17, 48003), (28, 47898),

Gene: MPlant7149_92 Start: 51080, Stop: 50706, Start Num: 6
Candidate Starts for MPlant7149_92:
(1, 51341), (2, 51305), (Start: 5 @51092 has 1 MA's), (Start: 6 @51080 has 1 MA's), (Start: 7 @51071 has 1 MA's), (12, 51008), (18, 50873), (19, 50852), (28, 50789),

Gene: Marsha_97 Start: 54050, Stop: 53853, Start Num: 14
Candidate Starts for Marsha_97:
(Start: 14 @54050 has 5 MA's), (24, 53900),

Gene: Pippin_96 Start: 51631, Stop: 51380, Start Num: 14
Candidate Starts for Pippin_96:
(11, 51673), (Start: 14 @51631 has 5 MA's), (23, 51496), (24, 51481), (25, 51472), (26, 51454),

Gene: RidgeCB_93 Start: 50441, Stop: 50169, Start Num: 14
Candidate Starts for RidgeCB_93:
(8, 50516), (Start: 13 @50477 has 1 MA's), (Start: 14 @50441 has 5 MA's), (18, 50336), (19, 50315), (21, 50309), (28, 50252),

Gene: StewieG_90 Start: 49012, Stop: 48818, Start Num: 14
Candidate Starts for StewieG_90:
(4, 49219), (8, 49087), (11, 49054), (Start: 14 @49012 has 5 MA's), (19, 48886), (20, 48883),

Gene: Sumter_90 Start: 52252, Stop: 52001, Start Num: 14
Candidate Starts for Sumter_90:
(4, 52459), (Start: 5 @52372 has 1 MA's), (Start: 6 @52360 has 1 MA's), (Start: 14 @52252 has 5 MA's), (22, 52117), (24, 52102), (25, 52093), (26, 52075),

Gene: Sunshine924_96 Start: 50991, Stop: 50692, Start Num: 13
Candidate Starts for Sunshine924_96:
(1, 51318), (2, 51282), (3, 51189), (Start: 5 @51075 has 1 MA's), (8, 51030), (Start: 13 @50991 has 1 MA's), (Start: 14 @50955 has 5 MA's), (22, 50820), (24, 50805), (27, 50757), (28, 50754),

Gene: Wilkins_94 Start: 50507, Stop: 50232, Start Num: 14
Candidate Starts for Wilkins_94:
(2, 50840), (3, 50747), (Start: 7 @50606 has 1 MA's), (9, 50567), (11, 50549), (Start: 14 @50507 has 5 MA's), (24, 50357), (28, 50315),