Pham 87161

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 87161 Report

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

Pham number 87161 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Arcanine_90
• Track 2 : Smairt_92, PhrostyMug_89, Fenn_89, Ashballer_86, Abrogate_830, Mule_87, Crispicous1_79
• Track 3 : Ciao_85, Pita2_87, Peterson_86, Kenmech_88
• Track 4 : Barriga_93
• Track 5 : Slagathor_87
• Track 6 : Target_84

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

Genes that call this "Most Annotated" start:
• Abrogate_830, Ashballer_86, Ciao_85, Crispicous1_79, Fenn_89, Kenmech_88, Mule_87, Peterson_86, PhrostyMug_89, Pita2_87, Slagathor_87, Smairt_92,

Genes that have the "Most Annotated" start but do not call it:
• Arcanine_90, Target_84,

Genes that do not have the "Most Annotated" start:
• Barriga_93,

Summary by start number:

Start 1:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Abrogate_830 (A1), Ashballer_86 (A1), Ciao_85 (A1), Crispicous1_79 (A1), Fenn_89 (A1), Kenmech_88 (A1), Mule_87 (A1), Peterson_86 (A1), PhrostyMug_89 (A1), Pita2_87 (A1), Slagathor_87 (A1), Smairt_92 (A1),

Start 2:
• Found in 15 of 15 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 13.3% of time when present
• Phage (with cluster) where this start called: Arcanine_90 (A1), Barriga_93 (A1),

Start 3:
• Found in 9 of 15 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Target_84 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 12 times for cluster A1.
•Start number 2 was manually annotated 2 times for cluster A1.
•Start number 3 was manually annotated 1 time for cluster A1.

Gene Information:
Gene: Abrogate_830 Start: 49758, Stop: 49645, Start Num: 1
Candidate Starts for Abrogate_830:
(Start: 1 @49758 has 12 MA's), (Start: 2 @49731 has 2 MA's), (Start: 3 @49710 has 1 MA's), (4, 49704),

Gene: Arcanine_90 Start: 50657, Stop: 50574, Start Num: 2
Candidate Starts for Arcanine_90:
(Start: 1 @50684 has 12 MA's), (Start: 2 @50657 has 2 MA's), (4, 50630),

Gene: Ashballer_86 Start: 49460, Stop: 49347, Start Num: 1
Candidate Starts for Ashballer_86:
(Start: 1 @49460 has 12 MA's), (Start: 2 @49433 has 2 MA's), (Start: 3 @49412 has 1 MA's), (4, 49406),

Gene: Barriga_93 Start: 49604, Stop: 49518, Start Num: 2
Candidate Starts for Barriga_93:
(Start: 2 @49604 has 2 MA's), (4, 49577),

Gene: Ciao_85 Start: 47888, Stop: 47775, Start Num: 1
Candidate Starts for Ciao_85:
(Start: 1 @47888 has 12 MA's), (Start: 2 @47861 has 2 MA's), (4, 47834),

Gene: Crispicous1_79 Start: 46486, Stop: 46373, Start Num: 1
Candidate Starts for Crispicous1_79:
(Start: 1 @46486 has 12 MA's), (Start: 2 @46459 has 2 MA's), (Start: 3 @46438 has 1 MA's), (4, 46432),

Gene: Fenn_89 Start: 49819, Stop: 49706, Start Num: 1

Candidate Starts for Fenn_89:
(Start: 1 @49819 has 12 MA's), (Start: 2 @49792 has 2 MA's), (Start: 3 @49771 has 1 MA's), (4, 49765),

Gene: Kenmech_88 Start: 50246, Stop: 50133, Start Num: 1
Candidate Starts for Kenmech_88:
(Start: 1 @50246 has 12 MA's), (Start: 2 @50219 has 2 MA's), (4, 50192),

Gene: Mule_87 Start: 48839, Stop: 48726, Start Num: 1
Candidate Starts for Mule_87:
(Start: 1 @48839 has 12 MA's), (Start: 2 @48812 has 2 MA's), (Start: 3 @48791 has 1 MA's), (4, 48785),

Gene: Peterson_86 Start: 50394, Stop: 50281, Start Num: 1
Candidate Starts for Peterson_86:
(Start: 1 @50394 has 12 MA's), (Start: 2 @50367 has 2 MA's), (4, 50340),

Gene: PhrostyMug_89 Start: 51009, Stop: 50896, Start Num: 1
Candidate Starts for PhrostyMug_89:
(Start: 1 @51009 has 12 MA's), (Start: 2 @50982 has 2 MA's), (Start: 3 @50961 has 1 MA's), (4, 50955),

Gene: Pita2_87 Start: 49050, Stop: 48937, Start Num: 1
Candidate Starts for Pita2_87:
(Start: 1 @49050 has 12 MA's), (Start: 2 @49023 has 2 MA's), (4, 48996),

Gene: Slagathor_87 Start: 49995, Stop: 49882, Start Num: 1
Candidate Starts for Slagathor_87:
(Start: 1 @49995 has 12 MA's), (Start: 2 @49968 has 2 MA's), (Start: 3 @49947 has 1 MA's), (4, 49941), (5, 49929),

Gene: Smairt_92 Start: 52026, Stop: 51913, Start Num: 1
Candidate Starts for Smairt_92:
(Start: 1 @52026 has 12 MA's), (Start: 2 @51999 has 2 MA's), (Start: 3 @51978 has 1 MA's), (4, 51972),

Gene: Target_84 Start: 47459, Stop: 47394, Start Num: 3
Candidate Starts for Target_84:
(Start: 1 @47507 has 12 MA's), (Start: 2 @47480 has 2 MA's), (Start: 3 @47459 has 1 MA's), (4, 47453),