Pham 107060

1: Marky_77

2: Microdon_73

3: Henoccus_75

4: Intolerant_72 + 2

5: LazerLemon_76

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 107060 Report

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

Pham number 107060 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Marky_77
• Track 2 : Microdon_73
• Track 3 : Henoccus_75
• Track 4 : Intolerant_72, Stuff_75, Crosby_77
• Track 5 : LazerLemon_76

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Crosby_77, Henoccus_75, Intolerant_72, Marky_77, Microdon_73, Stuff_75,

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

Genes that do not have the "Most Annotated" start:
• LazerLemon_76,

Summary by start number:

Start 4:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Crosby_77 (BH), Henoccus_75 (BH), Intolerant_72 (BH), Marky_77 (BH), Microdon_73 (BH), Stuff_75 (BH),

Start 6:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LazerLemon_76 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:
•Start number 4 was manually annotated 6 times for cluster BH.
•Start number 6 was manually annotated 1 time for cluster BH.

Gene Information:
Gene: Crosby_77 Start: 51165, Stop: 51302, Start Num: 4
Candidate Starts for Crosby_77:
(Start: 4 @51165 has 6 MA's), (9, 51297),

Gene: Henoccus_75 Start: 51668, Stop: 51814, Start Num: 4
Candidate Starts for Henoccus_75:
(2, 51590), (Start: 4 @51668 has 6 MA's),

Gene: Intolerant_72 Start: 50783, Stop: 50920, Start Num: 4
Candidate Starts for Intolerant_72:
(Start: 4 @50783 has 6 MA's), (9, 50915),

Gene: LazerLemon_76 Start: 51961, Stop: 52083, Start Num: 6
Candidate Starts for LazerLemon_76:
(5, 51958), (Start: 6 @51961 has 1 MA's), (7, 52045), (8, 52054),

Gene: Marky_77 Start: 51196, Stop: 51333, Start Num: 4
Candidate Starts for Marky_77:
(1, 51115), (3, 51136), (Start: 4 @51196 has 6 MA's),

Gene: Microdon_73 Start: 50255, Stop: 50392, Start Num: 4
Candidate Starts for Microdon_73:
(Start: 4 @50255 has 6 MA's),

Gene: Stuff_75 Start: 51144, Stop: 51281, Start Num: 4
Candidate Starts for Stuff_75:
(Start: 4 @51144 has 6 MA's), (9, 51276),