Pham 107822
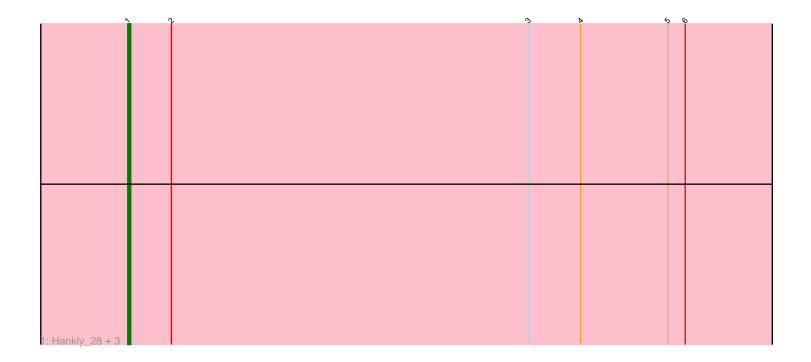
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 107822 Report

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

Pham number 107822 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Hankly_28, Benllo_28, Mooshroom_30, Circum_30
• Track 2 : Kardesai_30

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Benllo_28, Circum_30, Hankly_28, Mooshroom_30,

Genes that have the "Most Annotated" start but do not call it:
• Kardesai_30,

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

Summary by start number:

Start 1:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Benllo_28 (AM), Circum_30 (AM), Hankly_28 (AM), Mooshroom_30 (AM),

Start 2:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Kardesai_30 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

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

Gene Information:

Gene: Benllo_28 Start: 25952, Stop: 26221, Start Num: 1
Candidate Starts for Benllo_28:
(Start: 1 @25952 has 2 MA's), (Start: 2 @25967 has 1 MA's), (3, 26090), (4, 26108), (5, 26138), (6, 26144),

Gene: Circum_30 Start: 25774, Stop: 26043, Start Num: 1
Candidate Starts for Circum_30:
(Start: 1 @25774 has 2 MA's), (Start: 2 @25789 has 1 MA's), (3, 25912), (4, 25930), (5, 25960), (6, 25966),

Gene: Hankly_28 Start: 24797, Stop: 25066, Start Num: 1
Candidate Starts for Hankly_28:
(Start: 1 @24797 has 2 MA's), (Start: 2 @24812 has 1 MA's), (3, 24935), (4, 24953), (5, 24983), (6, 24989),

Gene: Kardesai_30 Start: 25854, Stop: 26108, Start Num: 2
Candidate Starts for Kardesai_30:
(Start: 1 @25839 has 2 MA's), (Start: 2 @25854 has 1 MA's), (3, 25977), (4, 25995), (5, 26025), (6, 26031),

Gene: Mooshroom_30 Start: 25839, Stop: 26108, Start Num: 1
Candidate Starts for Mooshroom_30:
(Start: 1 @25839 has 2 MA's), (Start: 2 @25854 has 1 MA's), (3, 25977), (4, 25995), (5, 26025), (6, 26031),