Pham 88041

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 88041 Report

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

Pham number 88041 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Beyoncage_35, Terapin_36, BiteSize_35, Djokovic_35
• Track 2 : Madi_35, Sienna_35
• Track 3 : LilyPad_38

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_35, BiteSize_35, Djokovic_35, LilyPad_38, Madi_35, Sienna_35, Terapin_36,

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

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

Summary by start number:

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_35 (DG1), BiteSize_35 (DG1), Djokovic_35 (DG1), LilyPad_38 (DG1), Madi_35 (DG1), Sienna_35 (DG1), Terapin_36 (DG1),

Summary by clusters:

There is one cluster represented in this pham: DG1

Info for manual annotations of cluster DG1:

•Start number 3 was manually annotated 7 times for cluster DG1.

Gene Information:

Gene: Beyoncage_35 Start: 30422, Stop: 30862, Start Num: 3
Candidate Starts for Beyoncage_35:
(Start: 3 @30422 has 7 MA's), (6, 30560), (7, 30566), (12, 30845),

Gene: BiteSize_35 Start: 30508, Stop: 30948, Start Num: 3
Candidate Starts for BiteSize_35:
(Start: 3 @30508 has 7 MA's), (6, 30646), (7, 30652), (12, 30931),

Gene: Djokovic_35 Start: 30421, Stop: 30861, Start Num: 3
Candidate Starts for Djokovic_35:
(Start: 3 @30421 has 7 MA's), (6, 30559), (7, 30565), (12, 30844),

Gene: LilyPad_38 Start: 31876, Stop: 32298, Start Num: 3
Candidate Starts for LilyPad_38:
(1, 31780), (2, 31828), (Start: 3 @31876 has 7 MA's), (4, 31906), (5, 31972), (8, 32056), (9, 32071), (10, 32092), (11, 32158),

Gene: Madi_35 Start: 30506, Stop: 30946, Start Num: 3
Candidate Starts for Madi_35:
(Start: 3 @30506 has 7 MA's), (6, 30644), (7, 30650),

Gene: Sienna_35 Start: 30506, Stop: 30946, Start Num: 3
Candidate Starts for Sienna_35:
(Start: 3 @30506 has 7 MA's), (6, 30644), (7, 30650),

Gene: Terapin_36 Start: 30423, Stop: 30863, Start Num: 3
Candidate Starts for Terapin_36:
(Start: 3 @30423 has 7 MA's), (6, 30561), (7, 30567), (12, 30846),