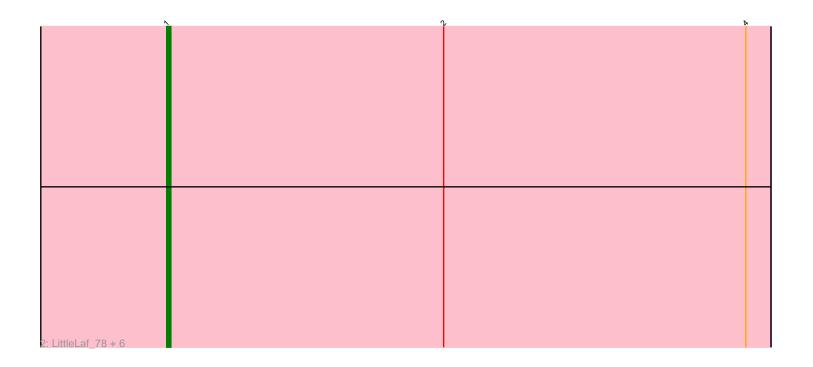# Pham 87439

1: Corazon_75 + 2

2: LittleLaf_78 + 6

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 87439 Report

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

Pham number 87439 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Corazon_75, JoieB_79, Marvin_74
• Track 2 : LittleLaf_78, MosMoris_75, Caprice_72, Gattaca_77, Lilbit_78, Tesla_75, VasuNzinga_77

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Caprice_72, Corazon_75, Gattaca_77, JoieB_79, Lilbit_78, LittleLaf_78, Marvin_74, MosMoris_75, Tesla_75, VasuNzinga_77,

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 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caprice_72 (S), Corazon_75 (S), Gattaca_77 (S), JoieB_79 (S), Lilbit_78 (S), LittleLaf_78 (S), Marvin_74 (S), MosMoris_75 (S), Tesla_75 (S), VasuNzinga_77 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:

•Start number 1 was manually annotated 8 times for cluster S.

Gene Information:
Gene: Caprice_72 Start: 43320, Stop: 43463, Start Num: 1
Candidate Starts for Caprice_72:
(Start: 1 @43320 has 8 MA's), (2, 43386), (4, 43458),

Gene: Corazon_75 Start: 43895, Stop: 44038, Start Num: 1
Candidate Starts for Corazon_75:
(Start: 1 @43895 has 8 MA's), (2, 43961), (3, 44018), (4, 44033),

Gene: Gattaca_77 Start: 43480, Stop: 43623, Start Num: 1
Candidate Starts for Gattaca_77:
(Start: 1 @43480 has 8 MA's), (2, 43546), (4, 43618),

Gene: JoieB_79 Start: 43969, Stop: 44112, Start Num: 1
Candidate Starts for JoieB_79:
(Start: 1 @43969 has 8 MA's), (2, 44035), (3, 44092), (4, 44107),

Gene: Lilbit_78 Start: 44066, Stop: 44209, Start Num: 1
Candidate Starts for Lilbit_78:
(Start: 1 @44066 has 8 MA's), (2, 44132), (4, 44204),

Gene: LittleLaf_78 Start: 43795, Stop: 43938, Start Num: 1
Candidate Starts for LittleLaf_78:
(Start: 1 @43795 has 8 MA's), (2, 43861), (4, 43933),

Gene: Marvin_74 Start: 43591, Stop: 43734, Start Num: 1
Candidate Starts for Marvin_74:
(Start: 1 @43591 has 8 MA's), (2, 43657), (3, 43714), (4, 43729),

Gene: MosMoris_75 Start: 43486, Stop: 43629, Start Num: 1
Candidate Starts for MosMoris_75:
(Start: 1 @43486 has 8 MA's), (2, 43552), (4, 43624),

Gene: Tesla_75 Start: 43176, Stop: 43319, Start Num: 1
Candidate Starts for Tesla_75:
(Start: 1 @43176 has 8 MA's), (2, 43242), (4, 43314),

Gene: VasuNzinga_77 Start: 43265, Stop: 43408, Start Num: 1
Candidate Starts for VasuNzinga_77:
(Start: 1 @43265 has 8 MA's), (2, 43331), (4, 43403),