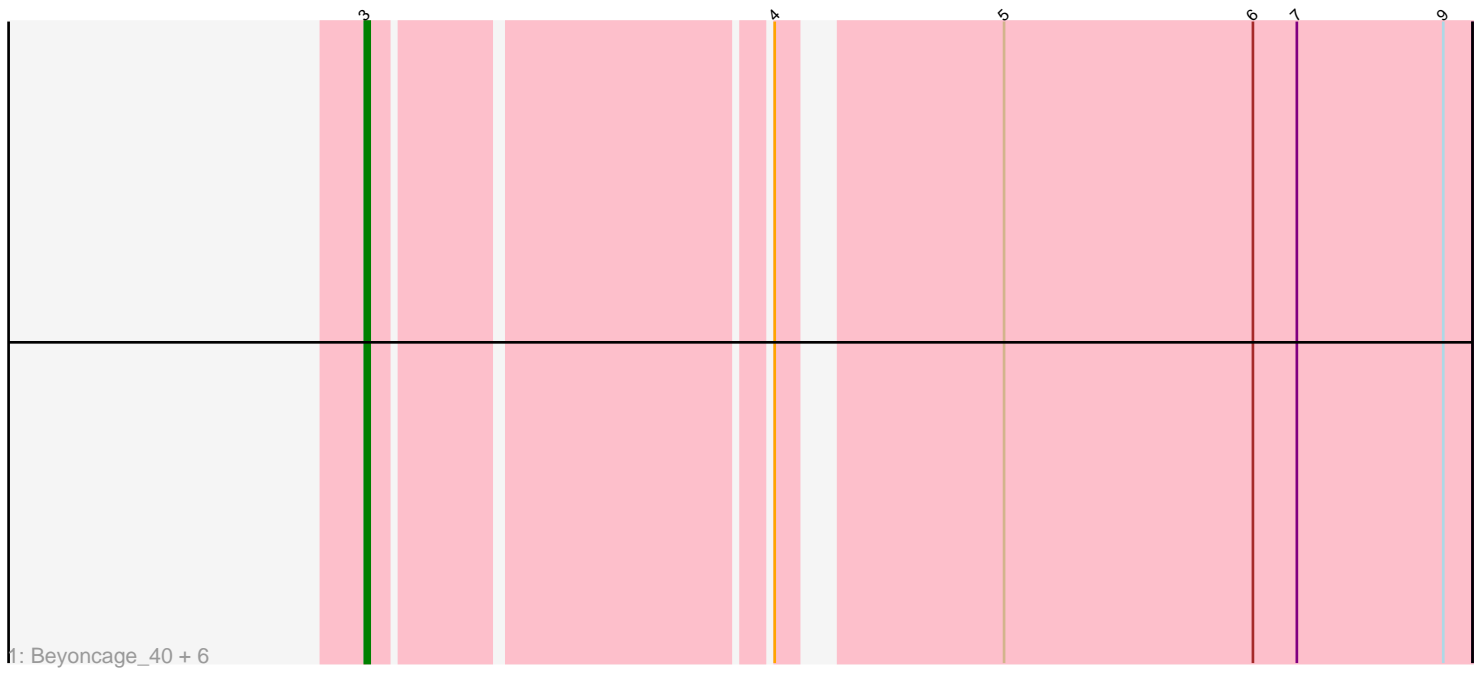# Pham 87771

1: Beyoncage_40 + 6

2: LilyPad_44

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 87771 Report

This analysis was run 03/30/24 on database version 556.

Pham number 87771 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Beyoncage_40, Suzy_40, BiteSize_40, Sienna_40, Djokovic_40, Terapin_41, Madi_40
• Track 2 : LilyPad_44

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_40, BiteSize_40, Djokovic_40, Madi_40, Sienna_40, Suzy_40, Terapin_41,

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

Genes that do not have the "Most Annotated" start:
• LilyPad_44,

Summary by start number:

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LilyPad_44 (DG1),

Start 3:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_40 (DG1), BiteSize_40 (DG1), Djokovic_40 (DG1), Madi_40 (DG1), Sienna_40 (DG1), Suzy_40 (DG1), Terapin_41 (DG1),

Summary by clusters:

There is one cluster represented in this pham: DG1

Info for manual annotations of cluster DG1:
•Start number 2 was manually annotated 1 time for cluster DG1.
•Start number 3 was manually annotated 7 times for cluster DG1.

Gene Information:
Gene: Beyoncage_40 Start: 32885, Stop: 33094, Start Num: 3
Candidate Starts for Beyoncage_40:
(Start: 3 @32885 has 7 MA's), (4, 32960), (5, 32999), (6, 33050), (7, 33059), (9, 33089),

Gene: BiteSize_40 Start: 32971, Stop: 33180, Start Num: 3
Candidate Starts for BiteSize_40:
(Start: 3 @32971 has 7 MA's), (4, 33046), (5, 33085), (6, 33136), (7, 33145), (9, 33175),

Gene: Djokovic_40 Start: 32884, Stop: 33093, Start Num: 3
Candidate Starts for Djokovic_40:
(Start: 3 @32884 has 7 MA's), (4, 32959), (5, 32998), (6, 33049), (7, 33058), (9, 33088),

Gene: LilyPad_44 Start: 34397, Stop: 34618, Start Num: 2
Candidate Starts for LilyPad_44:
(1, 34349), (Start: 2 @34397 has 1 MA's), (6, 34583), (7, 34592), (8, 34610),

Gene: Madi_40 Start: 32962, Stop: 33171, Start Num: 3
Candidate Starts for Madi_40:
(Start: 3 @32962 has 7 MA's), (4, 33037), (5, 33076), (6, 33127), (7, 33136), (9, 33166),

Gene: Sienna_40 Start: 32962, Stop: 33171, Start Num: 3
Candidate Starts for Sienna_40:
(Start: 3 @32962 has 7 MA's), (4, 33037), (5, 33076), (6, 33127), (7, 33136), (9, 33166),

Gene: Suzy_40 Start: 33480, Stop: 33689, Start Num: 3
Candidate Starts for Suzy_40:
(Start: 3 @33480 has 7 MA's), (4, 33555), (5, 33594), (6, 33645), (7, 33654), (9, 33684),

Gene: Terapin_41 Start: 32886, Stop: 33095, Start Num: 3
Candidate Starts for Terapin_41:
(Start: 3 @32886 has 7 MA's), (4, 32961), (5, 33000), (6, 33051), (7, 33060), (9, 33090),