Pham 6498
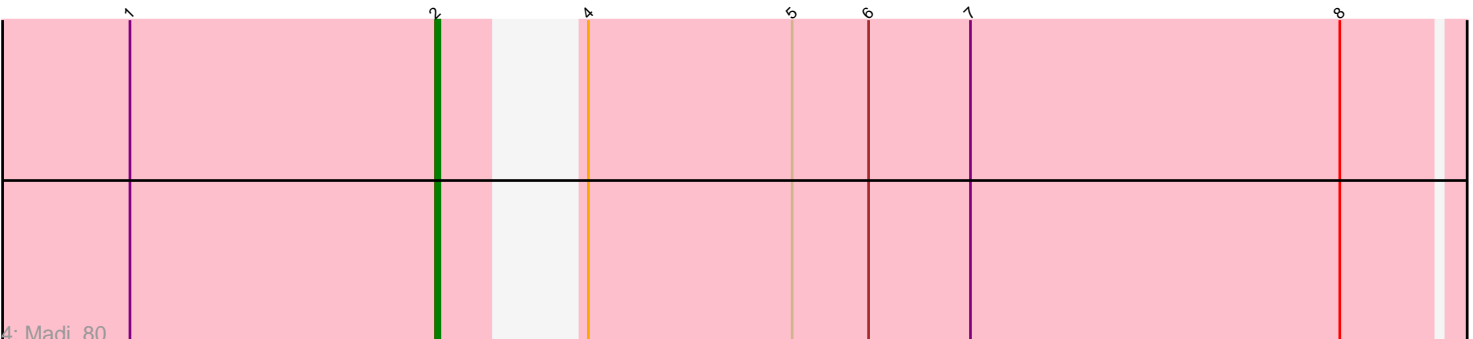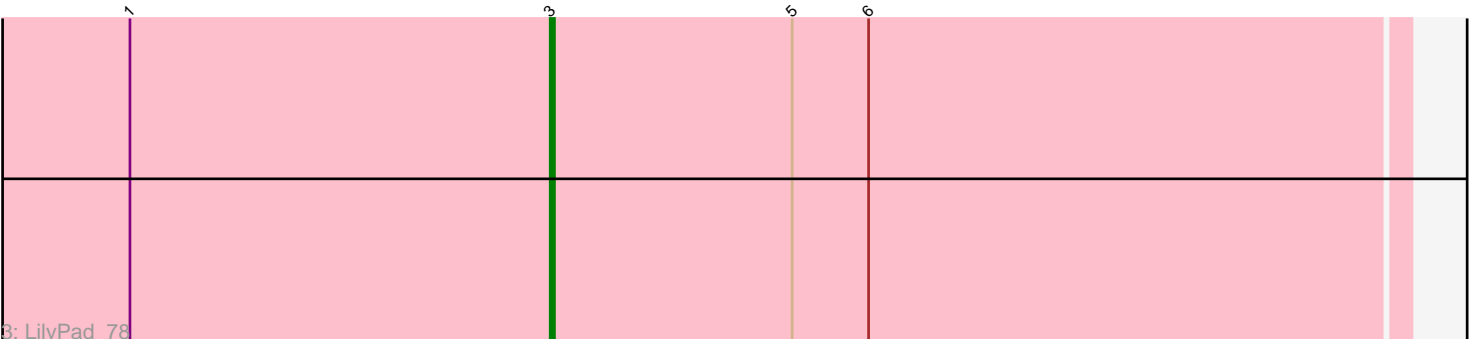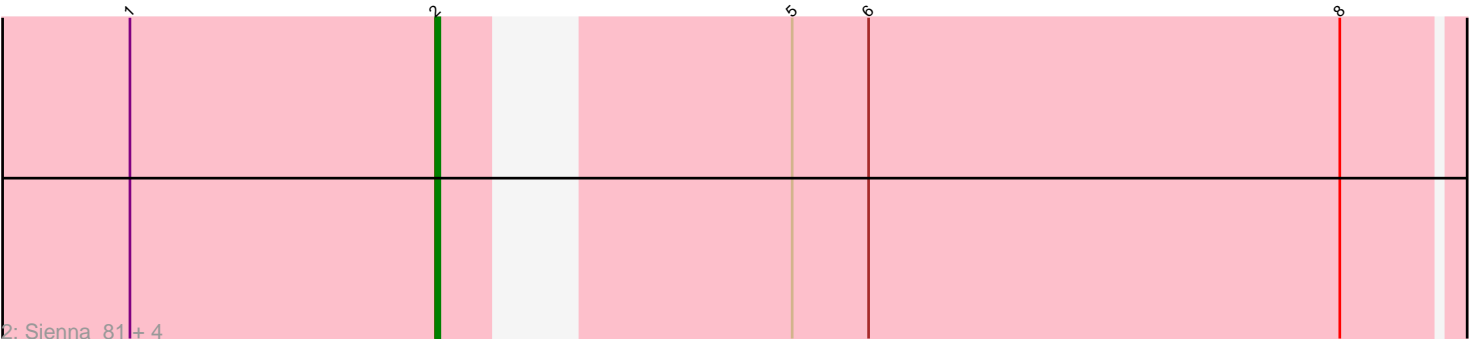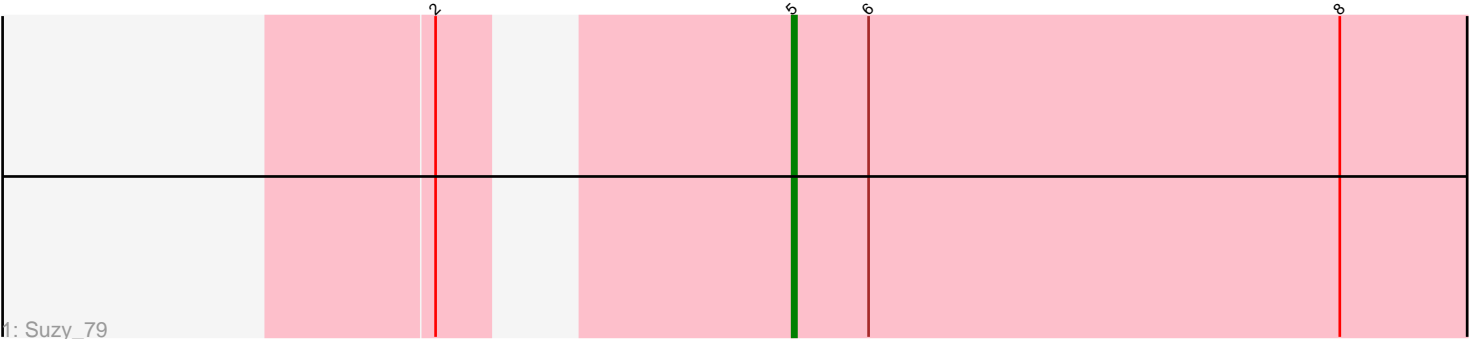

1: Suzy_79

2: Sienna_81 + 4

3: LilyPad_78

4: Madi_80

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 6498 Report

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

Pham number 6498 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Suzy_79
• Track 2 : Sienna_81, Terapin_82, BiteSize_81, Beyoncage_81, Djokovic_81
• Track 3 : LilyPad_78
• Track 4 : Madi_80

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

The start number called the most often in the published annotations is 2, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_81, BiteSize_81, Djokovic_81, Madi_80, Sienna_81, Terapin_82,

Genes that have the "Most Annotated" start but do not call it:
• Suzy_79,

Genes that do not have the "Most Annotated" start:
• LilyPad_78,

Summary by start number:

Start 2:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Beyoncage_81 (DG1), BiteSize_81 (DG1), Djokovic_81 (DG1), Madi_80 (DG1), Sienna_81 (DG1), Terapin_82 (DG1),

Start 3:
• 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_78 (DG1),

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Suzy_79 (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 6 times for cluster DG1.
•Start number 3 was manually annotated 1 time for cluster DG1.
•Start number 5 was manually annotated 1 time for cluster DG1.

Gene Information:
Gene: Beyoncage_81 Start: 56515, Stop: 56745, Start Num: 2
Candidate Starts for Beyoncage_81:
(1, 56443), (Start: 2 @56515 has 6 MA's), (Start: 5 @56578 has 1 MA's), (6, 56596), (8, 56707),

Gene: BiteSize_81 Start: 56601, Stop: 56831, Start Num: 2
Candidate Starts for BiteSize_81:
(1, 56529), (Start: 2 @56601 has 6 MA's), (Start: 5 @56664 has 1 MA's), (6, 56682), (8, 56793),

Gene: Djokovic_81 Start: 56514, Stop: 56744, Start Num: 2
Candidate Starts for Djokovic_81:
(1, 56442), (Start: 2 @56514 has 6 MA's), (Start: 5 @56577 has 1 MA's), (6, 56595), (8, 56706),

Gene: LilyPad_78 Start: 55500, Stop: 55700, Start Num: 3
Candidate Starts for LilyPad_78:
(1, 55401), (Start: 3 @55500 has 1 MA's), (Start: 5 @55557 has 1 MA's), (6, 55575),

Gene: Madi_80 Start: 56351, Stop: 56581, Start Num: 2
Candidate Starts for Madi_80:
(1, 56279), (Start: 2 @56351 has 6 MA's), (4, 56366), (Start: 5 @56414 has 1 MA's), (6, 56432), (7, 56456), (8, 56543),

Gene: Sienna_81 Start: 56592, Stop: 56822, Start Num: 2
Candidate Starts for Sienna_81:
(1, 56520), (Start: 2 @56592 has 6 MA's), (Start: 5 @56655 has 1 MA's), (6, 56673), (8, 56784),

Gene: Suzy_79 Start: 57013, Stop: 57183, Start Num: 5
Candidate Starts for Suzy_79:
(Start: 2 @56950 has 6 MA's), (Start: 5 @57013 has 1 MA's), (6, 57031), (8, 57142),

Gene: Terapin_82 Start: 56516, Stop: 56746, Start Num: 2
Candidate Starts for Terapin_82:
(1, 56444), (Start: 2 @56516 has 6 MA's), (Start: 5 @56579 has 1 MA's), (6, 56597), (8, 56708),