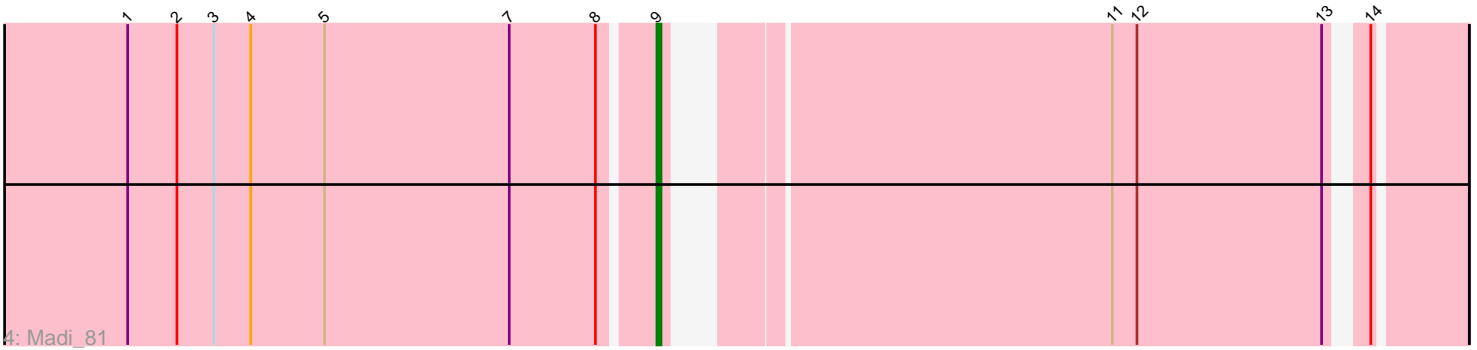
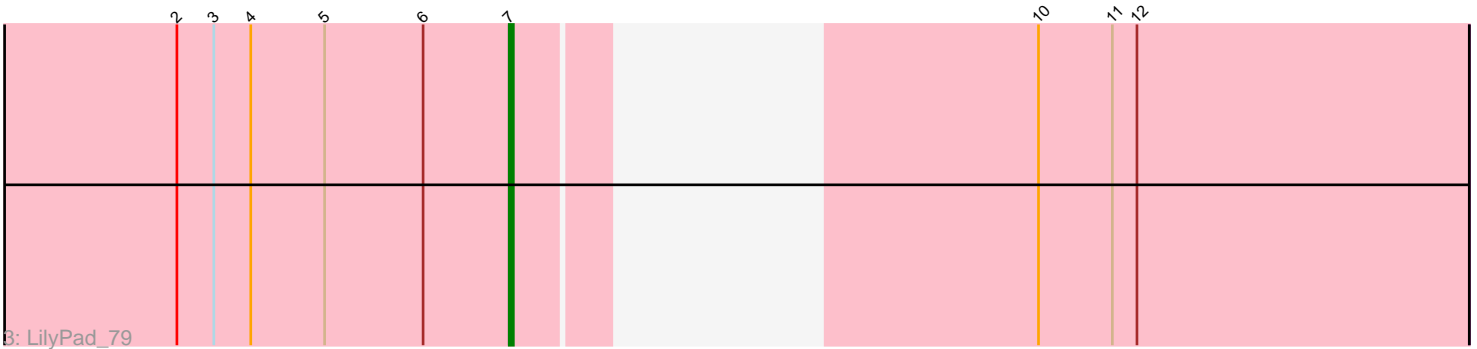
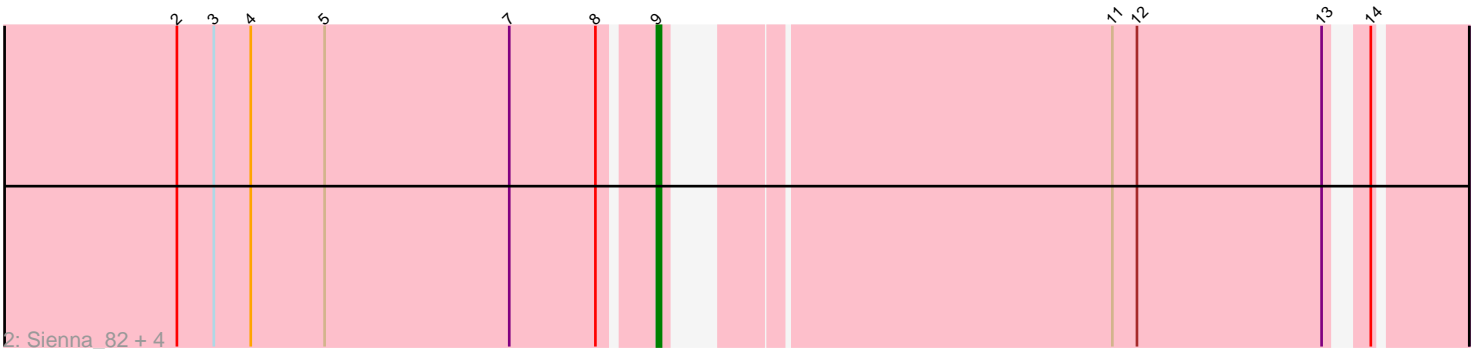
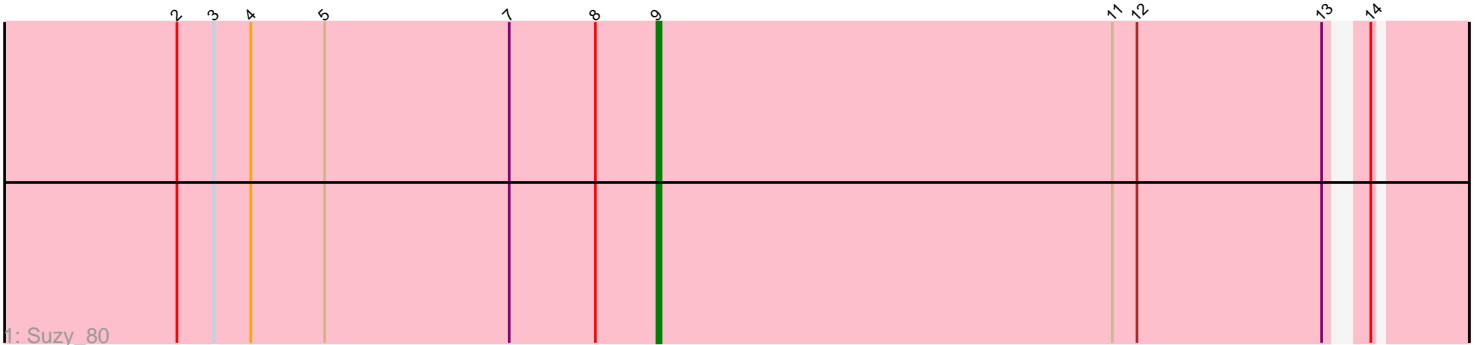


Pham 87872



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 87872 Report

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

Pham number 87872 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Suzy_80
- Track 2 : Sienna_82, Terapin_83, BiteSize_82, Beyoncage_82, Djokovic_82
- Track 3 : LilyPad_79
- Track 4 : Madi_81

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

The start number called the most often in the published annotations is 9, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beyoncage_82, BiteSize_82, Djokovic_82, Madi_81, Sienna_82, Suzy_80, Terapin_83,

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

-

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

- LilyPad_79,

Summary by start number:

Start 7:

- 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: LilyPad_79 (DG1),

Start 9:

- 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_82 (DG1), BiteSize_82 (DG1), Djokovic_82 (DG1), Madi_81 (DG1), Sienna_82 (DG1), Suzy_80 (DG1),

Terapin_83 (DG1),

Summary by clusters:

There is one cluster represented in this pham: DG1

Info for manual annotations of cluster DG1:

- Start number 7 was manually annotated 1 time for cluster DG1.
- Start number 9 was manually annotated 7 times for cluster DG1.

Gene Information:

Gene: Beyoncage_82 Start: 56738, Stop: 56923, Start Num: 9

Candidate Starts for Beyoncage_82:

(2, 56624), (3, 56633), (4, 56642), (5, 56660), (Start: 7 @56705 has 1 MA's), (8, 56726), (Start: 9 @56738 has 7 MA's), (11, 56846), (12, 56852), (13, 56897), (14, 56903),

Gene: BiteSize_82 Start: 56824, Stop: 57009, Start Num: 9

Candidate Starts for BiteSize_82:

(2, 56710), (3, 56719), (4, 56728), (5, 56746), (Start: 7 @56791 has 1 MA's), (8, 56812), (Start: 9 @56824 has 7 MA's), (11, 56932), (12, 56938), (13, 56983), (14, 56989),

Gene: Djokovic_82 Start: 56737, Stop: 56922, Start Num: 9

Candidate Starts for Djokovic_82:

(2, 56623), (3, 56632), (4, 56641), (5, 56659), (Start: 7 @56704 has 1 MA's), (8, 56725), (Start: 9 @56737 has 7 MA's), (11, 56845), (12, 56851), (13, 56896), (14, 56902),

Gene: LilyPad_79 Start: 55684, Stop: 55863, Start Num: 7

Candidate Starts for LilyPad_79:

(2, 55603), (3, 55612), (4, 55621), (5, 55639), (6, 55663), (Start: 7 @55684 has 1 MA's), (10, 55759), (11, 55777), (12, 55783),

Gene: Madi_81 Start: 56574, Stop: 56747, Start Num: 9

Candidate Starts for Madi_81:

(1, 56448), (2, 56460), (3, 56469), (4, 56478), (5, 56496), (Start: 7 @56541 has 1 MA's), (8, 56562), (Start: 9 @56574 has 7 MA's), (11, 56670), (12, 56676), (13, 56721), (14, 56727),

Gene: Sienna_82 Start: 56815, Stop: 56988, Start Num: 9

Candidate Starts for Sienna_82:

(2, 56701), (3, 56710), (4, 56719), (5, 56737), (Start: 7 @56782 has 1 MA's), (8, 56803), (Start: 9 @56815 has 7 MA's), (11, 56911), (12, 56917), (13, 56962), (14, 56968),

Gene: Suzy_80 Start: 57176, Stop: 57364, Start Num: 9

Candidate Starts for Suzy_80:

(2, 57059), (3, 57068), (4, 57077), (5, 57095), (Start: 7 @57140 has 1 MA's), (8, 57161), (Start: 9 @57176 has 7 MA's), (11, 57287), (12, 57293), (13, 57338), (14, 57344),

Gene: Terapin_83 Start: 56739, Stop: 56924, Start Num: 9

Candidate Starts for Terapin_83:

(2, 56625), (3, 56634), (4, 56643), (5, 56661), (Start: 7 @56706 has 1 MA's), (8, 56727), (Start: 9 @56739 has 7 MA's), (11, 56847), (12, 56853), (13, 56898), (14, 56904),

