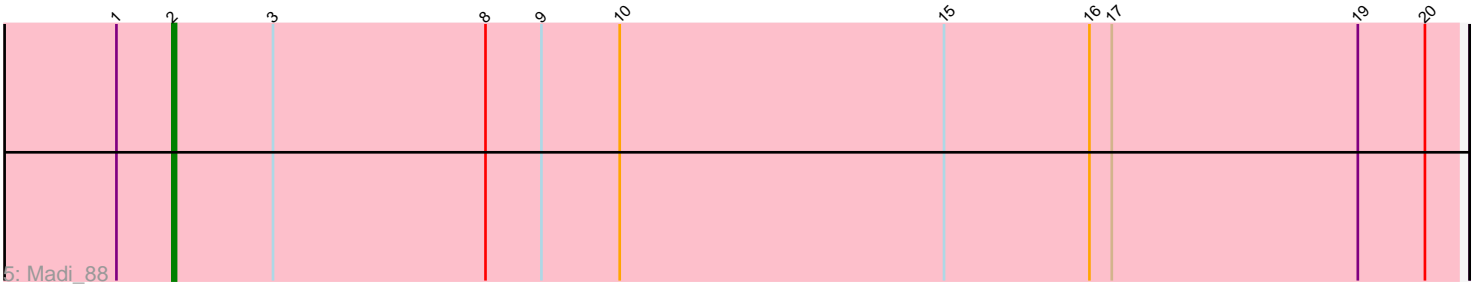
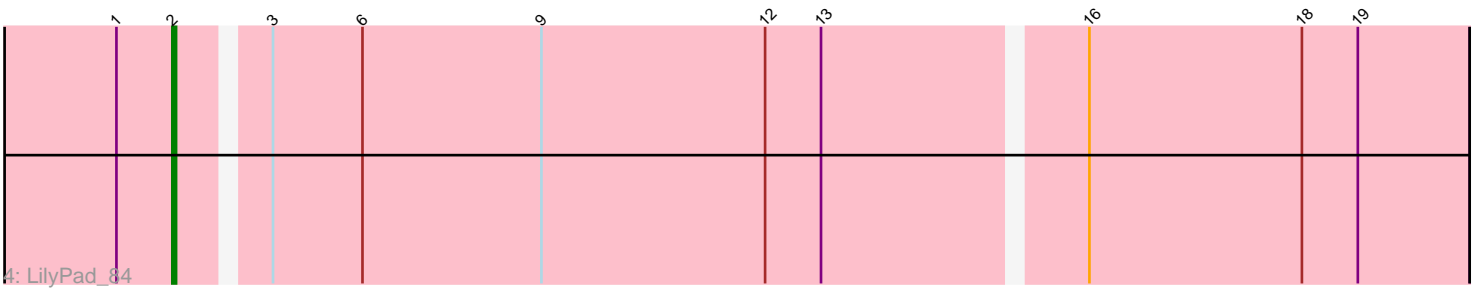
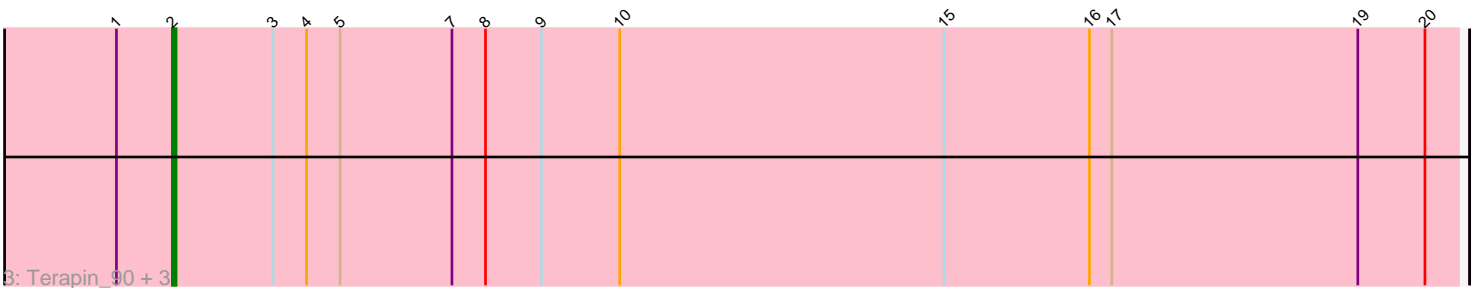
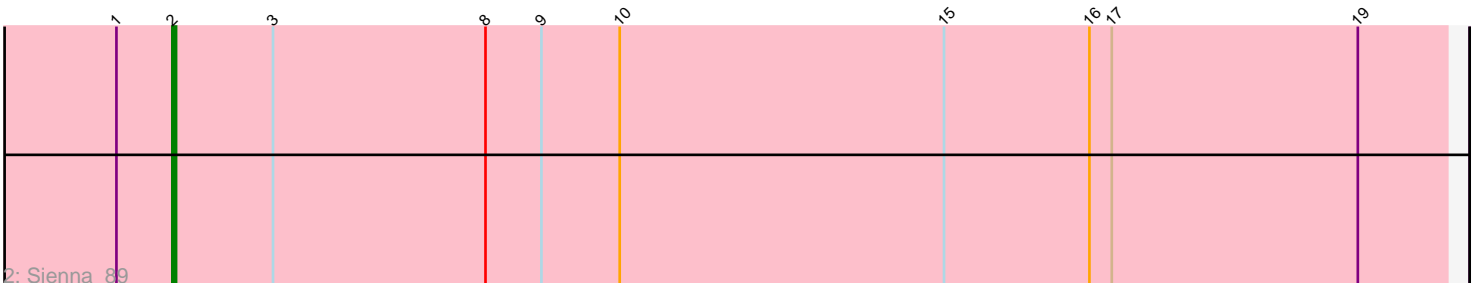
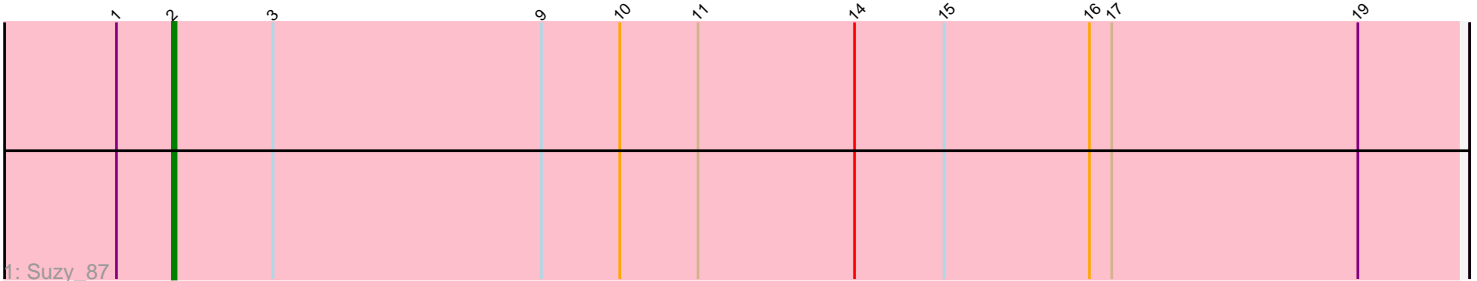


Pham 6463



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 6463 Report

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

Pham number 6463 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Suzy_87
- Track 2 : Sienna_89
- Track 3 : Terapin_90, Djokovic_89, BiteSize_89, Beyoncage_89
- Track 4 : LilyPad_84
- Track 5 : Madi_88

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

Genes that call this "Most Annotated" start:

- Beyoncage_89, BiteSize_89, Djokovic_89, LilyPad_84, Madi_88, Sienna_89, Suzy_87, Terapin_90,

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 2:

- Found in 8 of 8 (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: Beyoncage_89 (DG1), BiteSize_89 (DG1), Djokovic_89 (DG1), LilyPad_84 (DG1), Madi_88 (DG1), Sienna_89 (DG1), Suzy_87 (DG1), Terapin_90 (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 8 times for cluster DG1.

Gene Information:

Gene: Beyoncage_89 Start: 62550, Stop: 62894, Start Num: 2

Candidate Starts for Beyoncage_89:

(1, 62535), (Start: 2 @62550 has 8 MA's), (3, 62577), (4, 62586), (5, 62595), (7, 62625), (8, 62634), (9, 62649), (10, 62670), (15, 62757), (16, 62796), (17, 62802), (19, 62868), (20, 62886),

Gene: BiteSize_89 Start: 62636, Stop: 62980, Start Num: 2

Candidate Starts for BiteSize_89:

(1, 62621), (Start: 2 @62636 has 8 MA's), (3, 62663), (4, 62672), (5, 62681), (7, 62711), (8, 62720), (9, 62735), (10, 62756), (15, 62843), (16, 62882), (17, 62888), (19, 62954), (20, 62972),

Gene: Djokovic_89 Start: 62549, Stop: 62893, Start Num: 2

Candidate Starts for Djokovic_89:

(1, 62534), (Start: 2 @62549 has 8 MA's), (3, 62576), (4, 62585), (5, 62594), (7, 62624), (8, 62633), (9, 62648), (10, 62669), (15, 62756), (16, 62795), (17, 62801), (19, 62867), (20, 62885),

Gene: LilyPad_84 Start: 60502, Stop: 60837, Start Num: 2

Candidate Starts for LilyPad_84:

(1, 60487), (Start: 2 @60502 has 8 MA's), (3, 60523), (6, 60547), (9, 60595), (12, 60655), (13, 60670), (16, 60736), (18, 60793), (19, 60808),

Gene: Madi_88 Start: 62380, Stop: 62724, Start Num: 2

Candidate Starts for Madi_88:

(1, 62365), (Start: 2 @62380 has 8 MA's), (3, 62407), (8, 62464), (9, 62479), (10, 62500), (15, 62587), (16, 62626), (17, 62632), (19, 62698), (20, 62716),

Gene: Sienna_89 Start: 62621, Stop: 62962, Start Num: 2

Candidate Starts for Sienna_89:

(1, 62606), (Start: 2 @62621 has 8 MA's), (3, 62648), (8, 62705), (9, 62720), (10, 62741), (15, 62828), (16, 62867), (17, 62873), (19, 62939),

Gene: Suzy_87 Start: 62674, Stop: 63018, Start Num: 2

Candidate Starts for Suzy_87:

(1, 62659), (Start: 2 @62674 has 8 MA's), (3, 62701), (9, 62773), (10, 62794), (11, 62815), (14, 62857), (15, 62881), (16, 62920), (17, 62926), (19, 62992),

Gene: Terapin_90 Start: 62551, Stop: 62895, Start Num: 2

Candidate Starts for Terapin_90:

(1, 62536), (Start: 2 @62551 has 8 MA's), (3, 62578), (4, 62587), (5, 62596), (7, 62626), (8, 62635), (9, 62650), (10, 62671), (15, 62758), (16, 62797), (17, 62803), (19, 62869), (20, 62887),