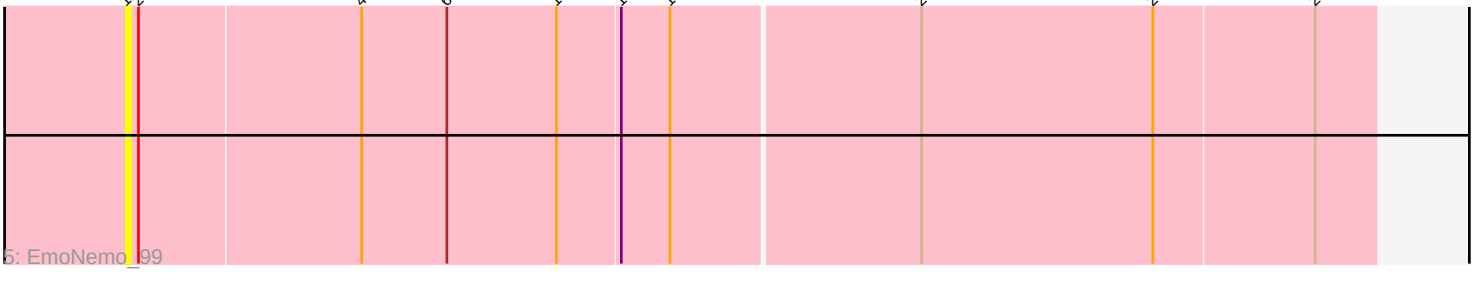
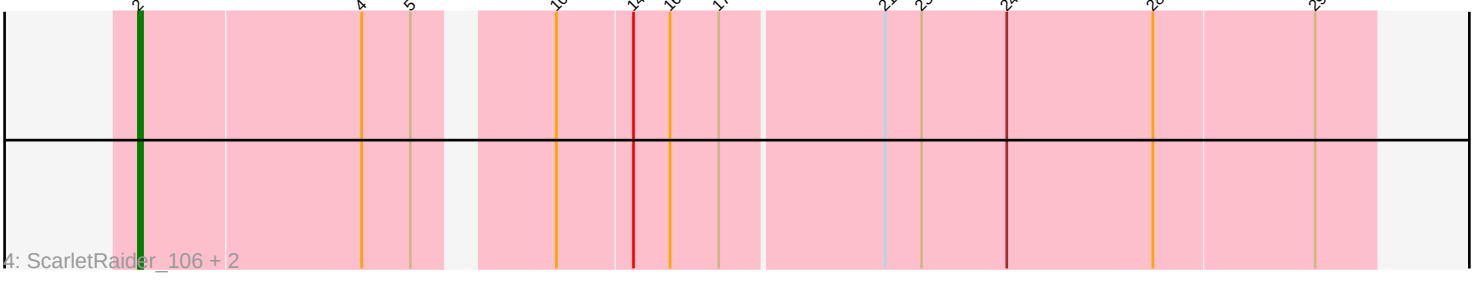
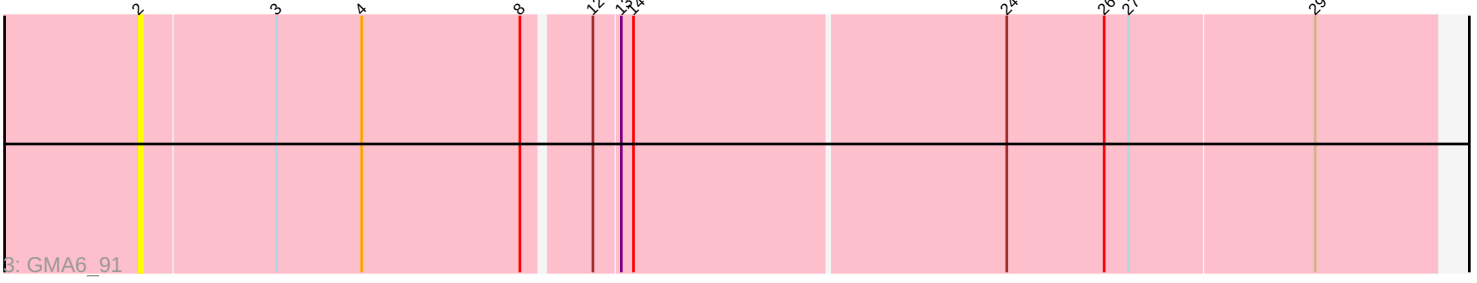
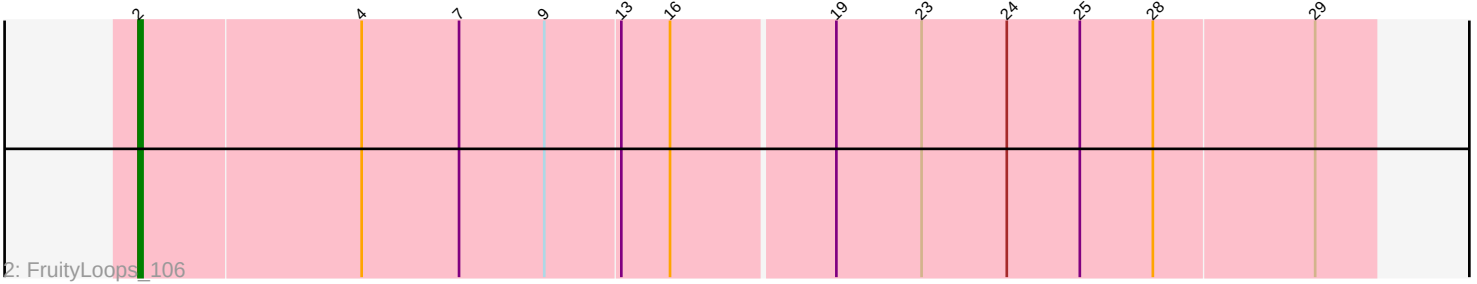
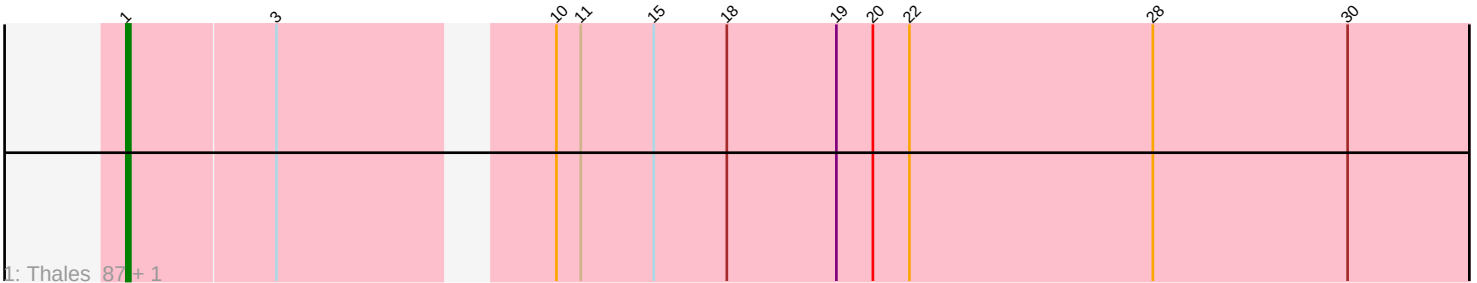


Pham 309931



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 309931 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309931 has 8 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Thales_87, DalanDe_90
- Track 2 : FruityLoops_106
- Track 3 : GMA6_91
- Track 4 : ScarletRaider_106, FlyingTortilla_104, UBSmoodge_108
- Track 5 : EmoNemo_99

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 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FlyingTortilla_104, FruityLoops_106, GMA6_91, ScarletRaider_106, UBSmoodge_108,

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

- EmoNemo_99,

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

- DalanDe_90, Thales_87,

Summary by start number:

Start 1:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DalanDe_90 (DQ), EmoNemo_99 (DQ), Thales_87 (DQ),

Start 2:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 4 of 5
- Called 83.3% of time when present

- Phage (with cluster) where this start called: FlyingTortilla_104 (DQ), FruityLoops_106 (DQ), GMA6_91 (DQ), ScarletRaider_106 (DQ), UBSmoodge_108 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

- Start number 1 was manually annotated 1 time for cluster DQ.
- Start number 2 was manually annotated 4 times for cluster DQ.

Gene Information:

Gene: DalanDe_90 Start: 74582, Stop: 74914, Start Num: 1

Candidate Starts for DalanDe_90:

(Start: 1 @74582 has 1 MA's), (3, 74618), (10, 74675), (11, 74681), (15, 74699), (18, 74717), (19, 74744), (20, 74753), (22, 74762), (28, 74822), (30, 74870),

Gene: EmoNemo_99 Start: 75844, Stop: 76146, Start Num: 1

Candidate Starts for EmoNemo_99:

(Start: 1 @75844 has 1 MA's), (Start: 2 @75847 has 4 MA's), (4, 75901), (6, 75922), (10, 75949), (13, 75964), (16, 75976), (23, 76036), (28, 76093), (29, 76132),

Gene: FlyingTortilla_104 Start: 79766, Stop: 80056, Start Num: 2

Candidate Starts for FlyingTortilla_104:

(Start: 2 @79766 has 4 MA's), (4, 79820), (5, 79832), (10, 79859), (14, 79877), (16, 79886), (17, 79898), (21, 79937), (23, 79946), (24, 79967), (28, 80003), (29, 80042),

Gene: FruityLoops_106 Start: 79081, Stop: 79380, Start Num: 2

Candidate Starts for FruityLoops_106:

(Start: 2 @79081 has 4 MA's), (4, 79135), (7, 79159), (9, 79180), (13, 79198), (16, 79210), (19, 79249), (23, 79270), (24, 79291), (25, 79309), (28, 79327), (29, 79366),

Gene: GMA6_91 Start: 67874, Stop: 68185, Start Num: 2

Candidate Starts for GMA6_91:

(Start: 2 @67874 has 4 MA's), (3, 67907), (4, 67928), (8, 67967), (12, 67982), (13, 67988), (14, 67991), (24, 68081), (26, 68105), (27, 68111), (29, 68156),

Gene: ScarletRaider_106 Start: 79108, Stop: 79398, Start Num: 2

Candidate Starts for ScarletRaider_106:

(Start: 2 @79108 has 4 MA's), (4, 79162), (5, 79174), (10, 79201), (14, 79219), (16, 79228), (17, 79240), (21, 79279), (23, 79288), (24, 79309), (28, 79345), (29, 79384),

Gene: Thales_87 Start: 73109, Stop: 73441, Start Num: 1

Candidate Starts for Thales_87:

(Start: 1 @73109 has 1 MA's), (3, 73145), (10, 73202), (11, 73208), (15, 73226), (18, 73244), (19, 73271), (20, 73280), (22, 73289), (28, 73349), (30, 73397),

Gene: UBSmoodge_108 Start: 79553, Stop: 79843, Start Num: 2

Candidate Starts for UBSmoodge_108:

(Start: 2 @79553 has 4 MA's), (4, 79607), (5, 79619), (10, 79646), (14, 79664), (16, 79673), (17, 79685), (21, 79724), (23, 79733), (24, 79754), (28, 79790), (29, 79829),