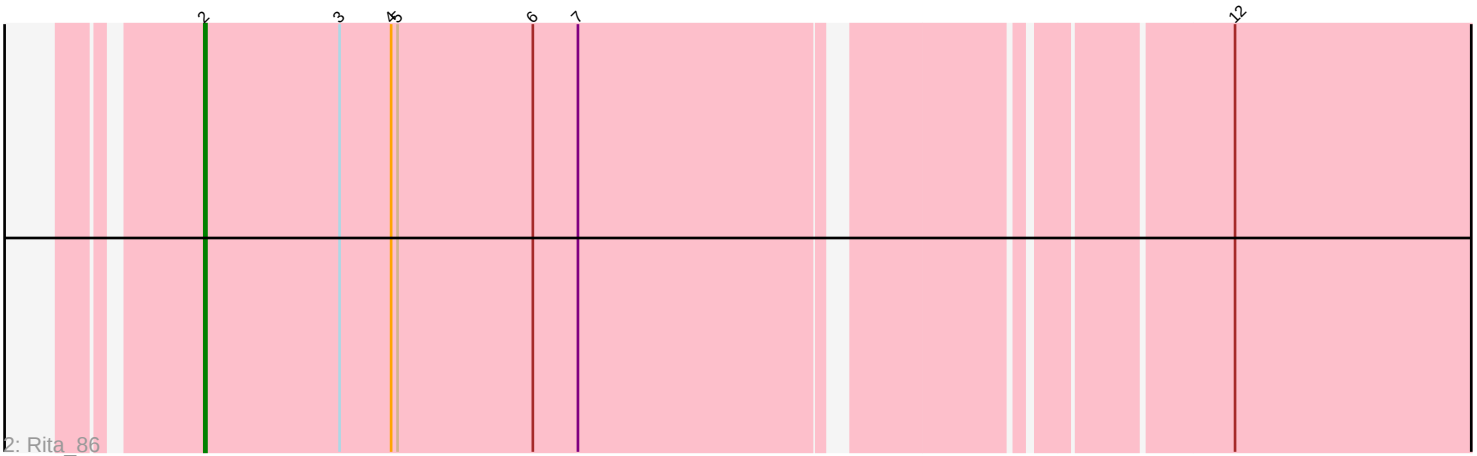
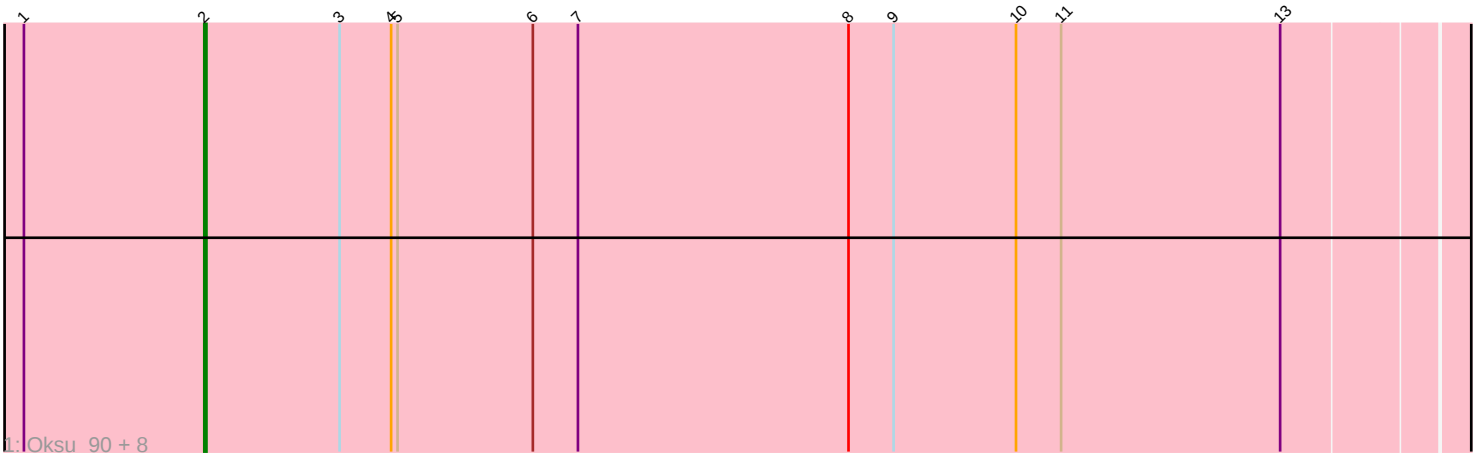




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 272339 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272339 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Oksu_90, Bobby_74, Ochi17_93, Seabastian_95, Llama_94, AlpineSix_86, OfUltron_95, Jinglebell_94, Modragons_92
- Track 2 : Rita_86
- Track 3 : Hidrated_69

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AlpineSix_86, Bobby_74, Hidrated_69, Jinglebell_94, Llama_94, Modragons_92, Ochi17_93, OfUltron_95, Oksu_90, Rita_86, Seabastian_95,

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 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlpineSix_86 (F1), Bobby_74 (J), Hidrated_69 (J), Jinglebell_94 (F1), Llama_94 (F1), Modragons_92 (F1), Ochi17_93 (F1), OfUltron_95 (F1), Oksu_90 (F1), Rita_86 (F1), Seabastian_95 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, J,

Info for manual annotations of cluster F1:

- Start number 2 was manually annotated 8 times for cluster F1.

Info for manual annotations of cluster J:

- Start number 2 was manually annotated 1 time for cluster J.

Gene Information:

Gene: AlpineSix_86 Start: 49486, Stop: 50115, Start Num: 2

Candidate Starts for AlpineSix_86:

(1, 49402), (Start: 2 @49486 has 9 MA's), (3, 49549), (4, 49573), (5, 49576), (6, 49639), (7, 49660), (8, 49786), (9, 49807), (10, 49864), (11, 49885), (13, 49987),

Gene: Bobby_74 Start: 50792, Stop: 50184, Start Num: 2

Candidate Starts for Bobby_74:

(1, 50876), (Start: 2 @50792 has 9 MA's), (3, 50729), (4, 50705), (5, 50702), (6, 50639), (7, 50618), (8, 50492), (9, 50471), (10, 50414), (11, 50393), (13, 50291),

Gene: Hidrated_69 Start: 50386, Stop: 49757, Start Num: 2

Candidate Starts for Hidrated_69:

(1, 50470), (Start: 2 @50386 has 9 MA's), (3, 50323), (4, 50299), (5, 50296), (6, 50233), (7, 50212), (8, 50086), (9, 50065), (10, 50008), (11, 49987), (13, 49885), (14, 49828),

Gene: Jinglebell_94 Start: 51383, Stop: 52012, Start Num: 2

Candidate Starts for Jinglebell_94:

(1, 51299), (Start: 2 @51383 has 9 MA's), (3, 51446), (4, 51470), (5, 51473), (6, 51536), (7, 51557), (8, 51683), (9, 51704), (10, 51761), (11, 51782), (13, 51884),

Gene: Llama_94 Start: 51239, Stop: 51868, Start Num: 2

Candidate Starts for Llama_94:

(1, 51155), (Start: 2 @51239 has 9 MA's), (3, 51302), (4, 51326), (5, 51329), (6, 51392), (7, 51413), (8, 51539), (9, 51560), (10, 51617), (11, 51638), (13, 51740),

Gene: Modragons_92 Start: 51227, Stop: 51856, Start Num: 2

Candidate Starts for Modragons_92:

(1, 51143), (Start: 2 @51227 has 9 MA's), (3, 51290), (4, 51314), (5, 51317), (6, 51380), (7, 51401), (8, 51527), (9, 51548), (10, 51605), (11, 51626), (13, 51728),

Gene: Ochi17_93 Start: 50834, Stop: 51463, Start Num: 2

Candidate Starts for Ochi17_93:

(1, 50750), (Start: 2 @50834 has 9 MA's), (3, 50897), (4, 50921), (5, 50924), (6, 50987), (7, 51008), (8, 51134), (9, 51155), (10, 51212), (11, 51233), (13, 51335),

Gene: OfUltron_95 Start: 51383, Stop: 52012, Start Num: 2

Candidate Starts for OfUltron_95:

(1, 51299), (Start: 2 @51383 has 9 MA's), (3, 51446), (4, 51470), (5, 51473), (6, 51536), (7, 51557), (8, 51683), (9, 51704), (10, 51761), (11, 51782), (13, 51884),

Gene: Oksu_90 Start: 51964, Stop: 52593, Start Num: 2

Candidate Starts for Oksu_90:

(1, 51880), (Start: 2 @51964 has 9 MA's), (3, 52027), (4, 52051), (5, 52054), (6, 52117), (7, 52138), (8, 52264), (9, 52285), (10, 52342), (11, 52363), (13, 52465),

Gene: Rita_86 Start: 50945, Stop: 51550, Start Num: 2

Candidate Starts for Rita_86:

(Start: 2 @50945 has 9 MA's), (3, 51008), (4, 51032), (5, 51035), (6, 51098), (7, 51119), (12, 51392),

Gene: Seabastian_95 Start: 51384, Stop: 52013, Start Num: 2

Candidate Starts for Seabastian_95:

(1, 51300), (Start: 2 @51384 has 9 MA's), (3, 51447), (4, 51471), (5, 51474), (6, 51537), (7, 51558), (8, 51684), (9, 51705), (10, 51762), (11, 51783), (13, 51885),