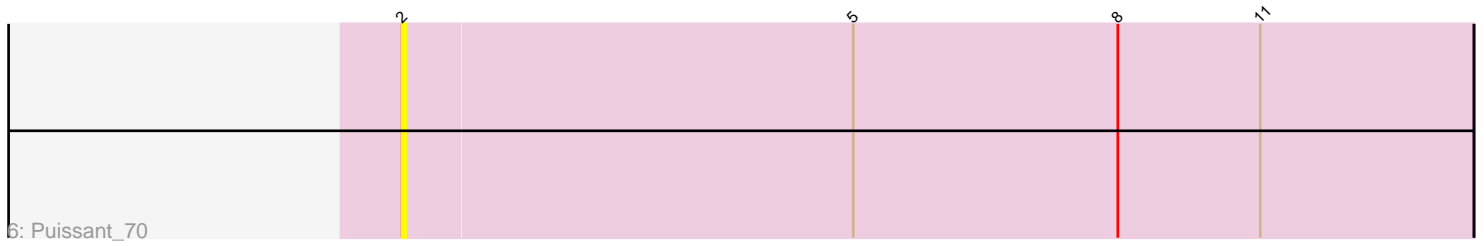
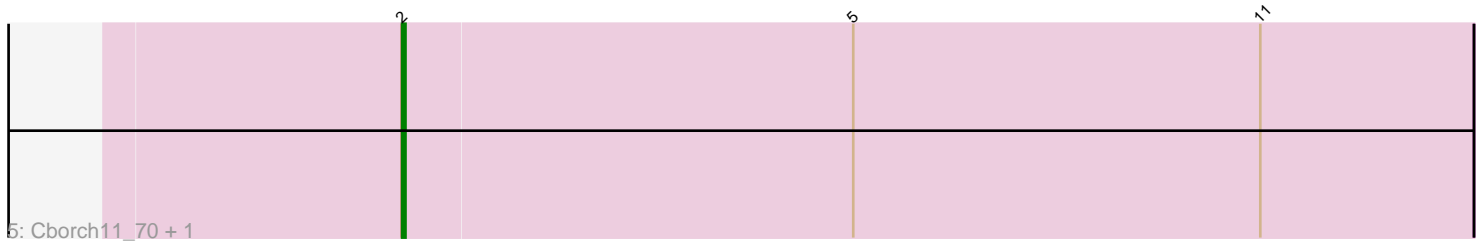
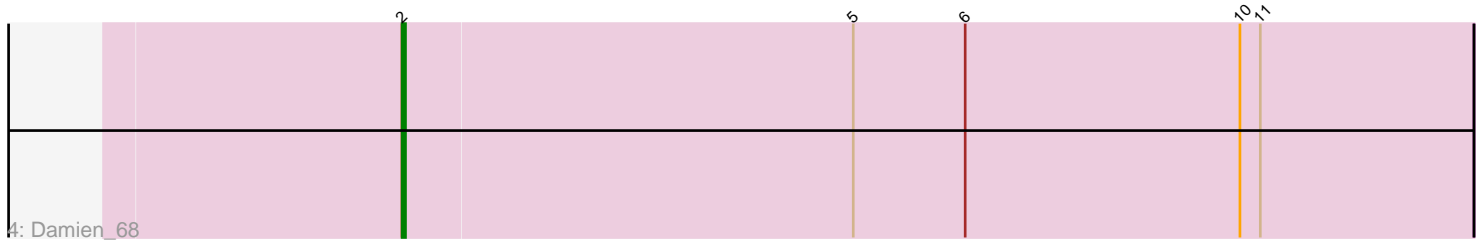
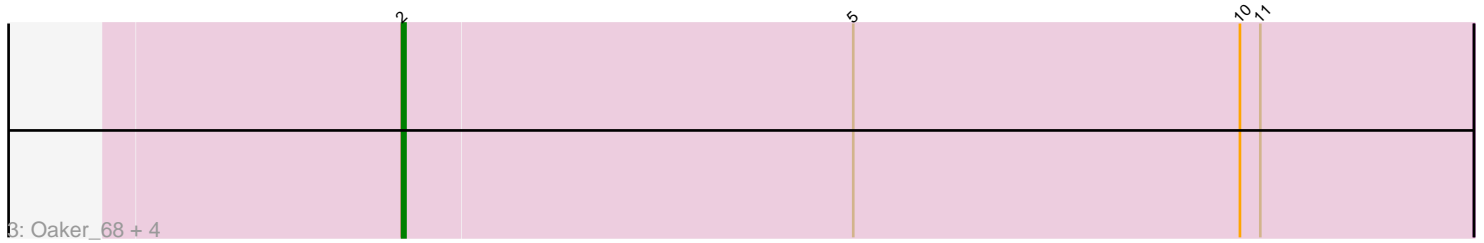
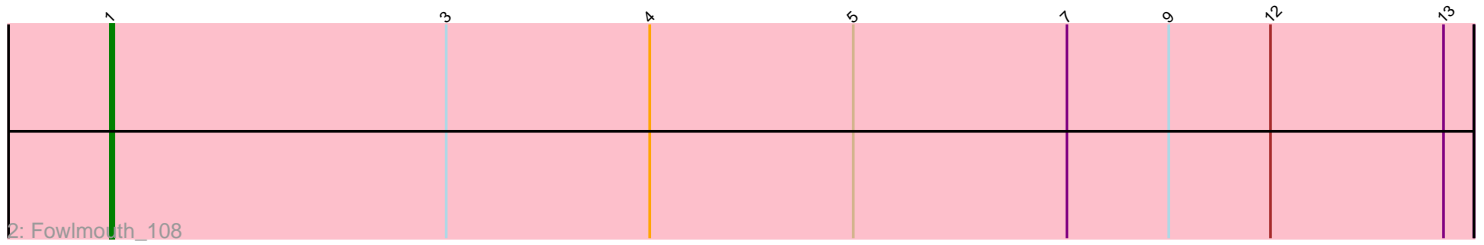
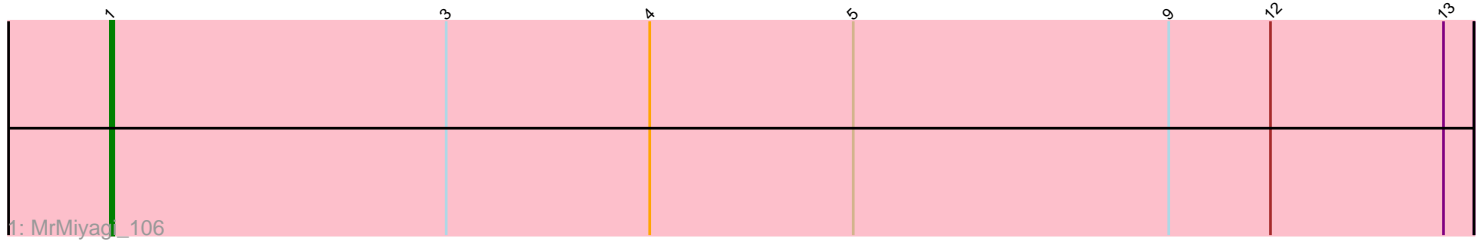


Pham 27934



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 27934 Report

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

Pham number 27934 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MrMiyagi_106
- Track 2 : Fowlmouth_108
- Track 3 : Oaker_68, Phreeze_67, Beckerton_67, Konstantine_72, Thumb_69
- Track 4 : Damien_68
- Track 5 : Cborch11_70, Megatron06_71
- Track 6 : Puissant_70

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

Genes that call this "Most Annotated" start:

- Beckerton_67, Cborch11_70, Damien_68, Konstantine_72, Megatron06_71, Oaker_68, Phreeze_67, Puissant_70, Thumb_69,

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

-

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

- Fowlmouth_108, MrMiyagi_106,

Summary by start number:

Start 1:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fowlmouth_108 (AC), MrMiyagi_106 (AC),

Start 2:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 7 of 9

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beckerton_67 (H1), Cborch11_70 (H1), Damien_68 (H1), Konstantine_72 (H1), Megatron06_71 (H1), Oaker_68 (H1), Phreeze_67 (H1), Puissant_70 (H1), Thumb_69 (H1),

Summary by clusters:

There are 2 clusters represented in this pham: AC, H1,

Info for manual annotations of cluster AC:

- Start number 1 was manually annotated 2 times for cluster AC.

Info for manual annotations of cluster H1:

- Start number 2 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_67 Start: 51888, Stop: 52202, Start Num: 2

Candidate Starts for Beckerton_67:

(Start: 2 @51888 has 7 MA's), (5, 52020), (10, 52134), (11, 52140),

Gene: Cborch11_70 Start: 51407, Stop: 51721, Start Num: 2

Candidate Starts for Cborch11_70:

(Start: 2 @51407 has 7 MA's), (5, 51539), (11, 51659),

Gene: Damien_68 Start: 51369, Stop: 51683, Start Num: 2

Candidate Starts for Damien_68:

(Start: 2 @51369 has 7 MA's), (5, 51501), (6, 51534), (10, 51615), (11, 51621),

Gene: Fowlmouth_108 Start: 64262, Stop: 64663, Start Num: 1

Candidate Starts for Fowlmouth_108:

(Start: 1 @64262 has 2 MA's), (3, 64361), (4, 64421), (5, 64481), (7, 64544), (9, 64574), (12, 64604), (13, 64655),

Gene: Konstantine_72 Start: 52200, Stop: 52514, Start Num: 2

Candidate Starts for Konstantine_72:

(Start: 2 @52200 has 7 MA's), (5, 52332), (10, 52446), (11, 52452),

Gene: Megatron06_71 Start: 51946, Stop: 52260, Start Num: 2

Candidate Starts for Megatron06_71:

(Start: 2 @51946 has 7 MA's), (5, 52078), (11, 52198),

Gene: MrMiyagi_106 Start: 64523, Stop: 64924, Start Num: 1

Candidate Starts for MrMiyagi_106:

(Start: 1 @64523 has 2 MA's), (3, 64622), (4, 64682), (5, 64742), (9, 64835), (12, 64865), (13, 64916),

Gene: Oaker_68 Start: 51999, Stop: 52313, Start Num: 2

Candidate Starts for Oaker_68:

(Start: 2 @51999 has 7 MA's), (5, 52131), (10, 52245), (11, 52251),

Gene: Phreeze_67 Start: 50966, Stop: 51280, Start Num: 2

Candidate Starts for Phreeze_67:

(Start: 2 @50966 has 7 MA's), (5, 51098), (10, 51212), (11, 51218),

Gene: Puissant_70 Start: 51224, Stop: 51538, Start Num: 2

Candidate Starts for Puissant_70:

(Start: 2 @51224 has 7 MA's), (5, 51356), (8, 51434), (11, 51476),

Gene: Thumb_69 Start: 51401, Stop: 51715, Start Num: 2

Candidate Starts for Thumb_69:

(Start: 2 @51401 has 7 MA's), (5, 51533), (10, 51647), (11, 51653),