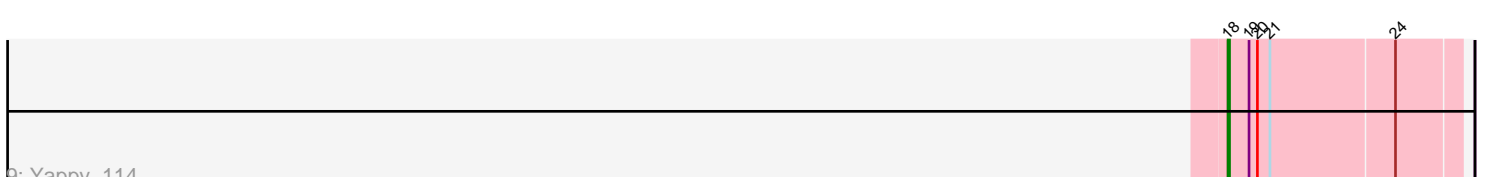
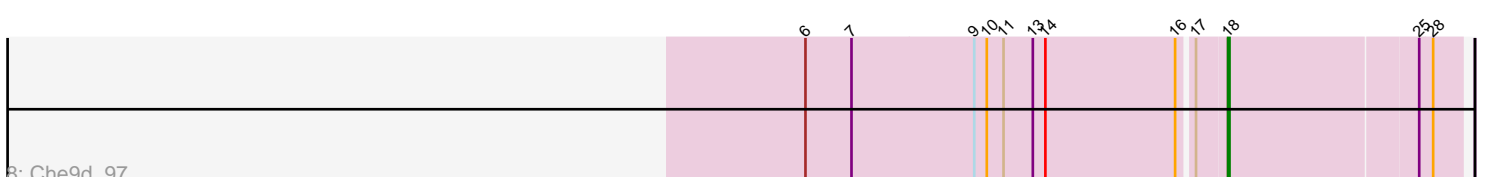
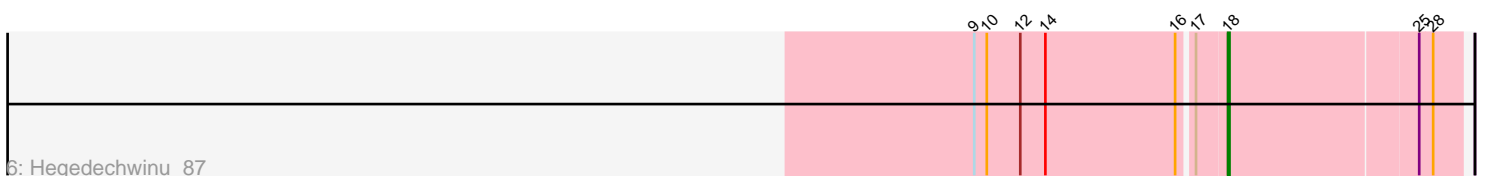
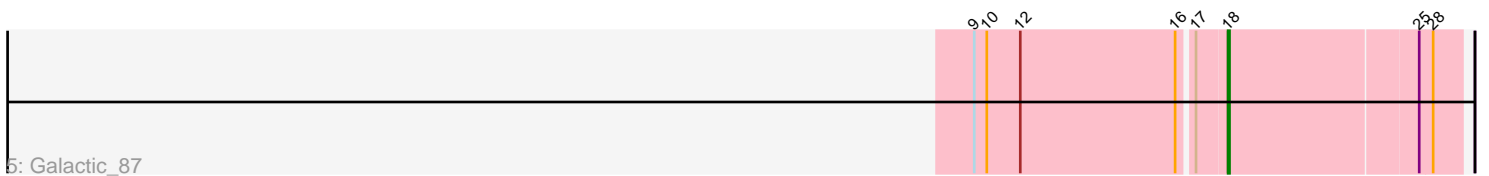
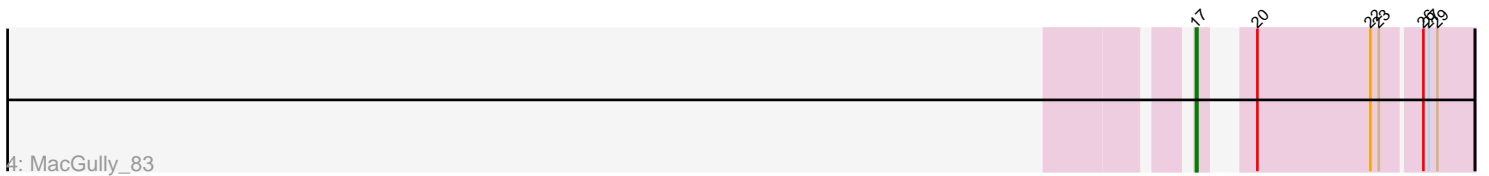
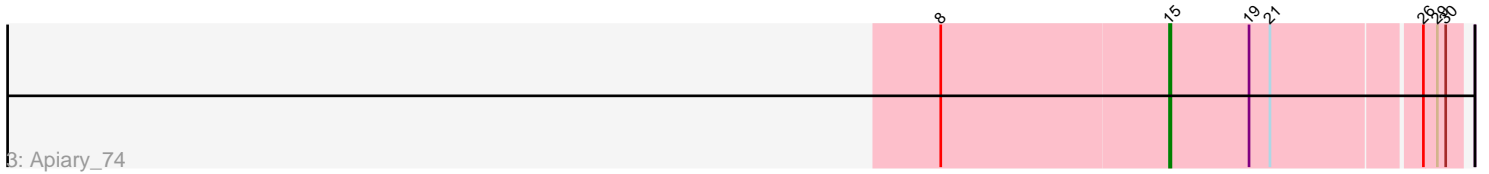
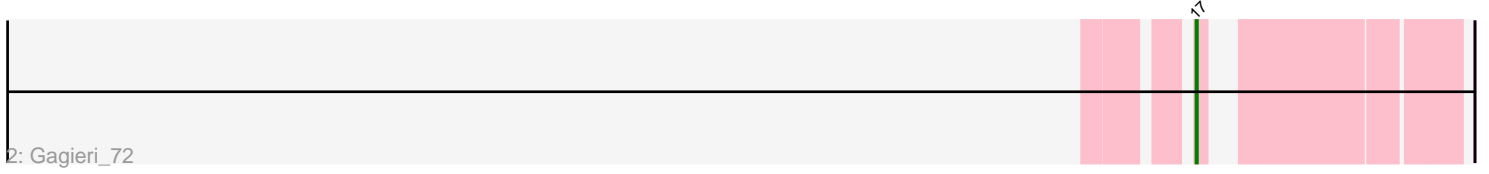
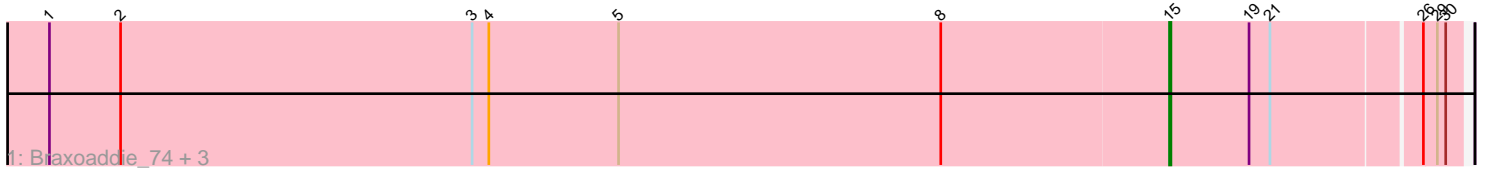


Pham 305442



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 305442 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305442 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Braxoaddie_74, CoffeeBean_74, Polyuyuki_74, Maselop_74
- Track 2 : Gagieri_72
- Track 3 : Apiary_74
- Track 4 : MacGully_83
- Track 5 : Galactic_87
- Track 6 : Hegedechwinu_87
- Track 7 : Spartacus_93
- Track 8 : Che9d_97
- Track 9 : Yappy_114

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

The start number called the most often in the published annotations is 18, it was called in 5 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Che9d_97, Galactic_87, Hegedechwinu_87, Spartacus_93, Yappy_114,

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

-

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

- Apiary_74, Braxoaddie_74, CoffeeBean_74, Gagieri_72, MacGully_83, Maselop_74, Polyuyuki_74,

Summary by start number:

Start 15:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 5 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apiary_74 (CR6), Braxoaddie_74 (CR6), CoffeeBean_74 (CR6), Maselop_74 (CR6), Polyuyuki_74 (CR6),

Start 17:

- Found in 6 of 12 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Gagieri_72 (CR6), MacGully_83 (CR7),

Start 18:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 5 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Che9d_97 (F2), Galactic_87 (F1), Hegedechwinu_87 (F1), Spartacus_93 (F1), Yappy_114 (singleton),

Summary by clusters:

There are 5 clusters represented in this pham: F2, F1, singleton, CR6, CR7,

Info for manual annotations of cluster CR6:

- Start number 15 was manually annotated 5 times for cluster CR6.
- Start number 17 was manually annotated 1 time for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 17 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster F1:

- Start number 18 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 18 was manually annotated 1 time for cluster F2.

Gene Information:

Gene: Apiary_74 Start: 53618, Stop: 53418, Start Num: 15

Candidate Starts for Apiary_74:

(8, 53780), (Start: 15 @53618 has 5 MA's), (19, 53561), (21, 53546), (26, 53444), (29, 53435), (30, 53429),

Gene: Braxoaddie_74 Start: 53604, Stop: 53404, Start Num: 15

Candidate Starts for Braxoaddie_74:

(1, 54405), (2, 54354), (3, 54102), (4, 54090), (5, 53997), (8, 53766), (Start: 15 @53604 has 5 MA's), (19, 53547), (21, 53532), (26, 53430), (29, 53421), (30, 53415),

Gene: Che9d_97 Start: 50270, Stop: 50431, Start Num: 18

Candidate Starts for Che9d_97:

(6, 49976), (7, 50009), (9, 50096), (10, 50105), (11, 50117), (13, 50138), (14, 50147), (16, 50240), (Start: 17 @50249 has 2 MA's), (Start: 18 @50270 has 5 MA's), (25, 50402), (28, 50411),

Gene: CoffeeBean_74 Start: 53562, Stop: 53362, Start Num: 15

Candidate Starts for CoffeeBean_74:

(1, 54363), (2, 54312), (3, 54060), (4, 54048), (5, 53955), (8, 53724), (Start: 15 @53562 has 5 MA's), (19, 53505), (21, 53490), (26, 53388), (29, 53379), (30, 53373),

Gene: Gagieri_72 Start: 53418, Stop: 53260, Start Num: 17

Candidate Starts for Gagieri_72:

(Start: 17 @53418 has 2 MA's),

Gene: Galactic_87 Start: 50180, Stop: 50341, Start Num: 18

Candidate Starts for Galactic_87:

(9, 50006), (10, 50015), (12, 50039), (16, 50150), (Start: 17 @50159 has 2 MA's), (Start: 18 @50180 has 5 MA's), (25, 50312), (28, 50321),

Gene: Hegedechwinu_87 Start: 49279, Stop: 49440, Start Num: 18

Candidate Starts for Hegedechwinu_87:

(9, 49105), (10, 49114), (12, 49138), (14, 49156), (16, 49249), (Start: 17 @49258 has 2 MA's), (Start: 18 @49279 has 5 MA's), (25, 49411), (28, 49420),

Gene: MacGully_83 Start: 56833, Stop: 56663, Start Num: 17

Candidate Starts for MacGully_83:

(Start: 17 @56833 has 2 MA's), (20, 56812), (22, 56731), (23, 56725), (26, 56698), (27, 56695), (29, 56689),

Gene: Maselop_74 Start: 53638, Stop: 53438, Start Num: 15

Candidate Starts for Maselop_74:

(1, 54439), (2, 54388), (3, 54136), (4, 54124), (5, 54031), (8, 53800), (Start: 15 @53638 has 5 MA's), (19, 53581), (21, 53566), (26, 53464), (29, 53455), (30, 53449),

Gene: Polyuyuki_74 Start: 53630, Stop: 53430, Start Num: 15

Candidate Starts for Polyuyuki_74:

(1, 54431), (2, 54380), (3, 54128), (4, 54116), (5, 54023), (8, 53792), (Start: 15 @53630 has 5 MA's), (19, 53573), (21, 53558), (26, 53456), (29, 53447), (30, 53441),

Gene: Spartacus_93 Start: 53156, Stop: 53317, Start Num: 18

Candidate Starts for Spartacus_93:

(9, 52982), (10, 52991), (12, 53015), (14, 53033), (16, 53126), (Start: 17 @53135 has 2 MA's), (Start: 18 @53156 has 5 MA's), (25, 53288), (28, 53297),

Gene: Yappy_114 Start: 57403, Stop: 57242, Start Num: 18

Candidate Starts for Yappy_114:

(Start: 18 @57403 has 5 MA's), (19, 57388), (20, 57382), (21, 57373), (24, 57286),