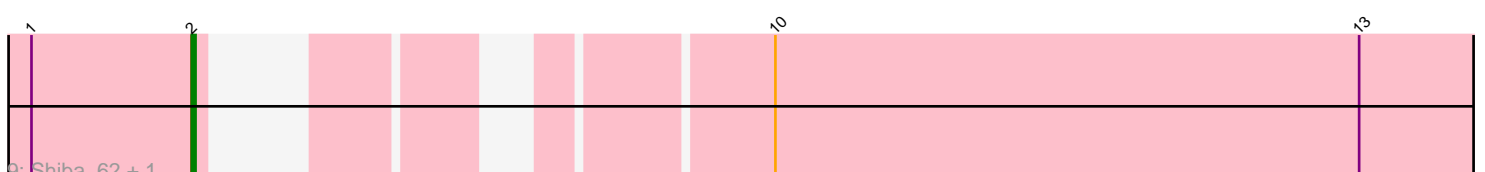
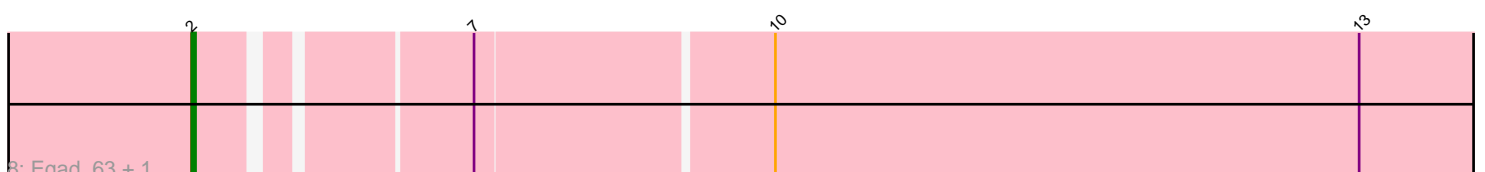
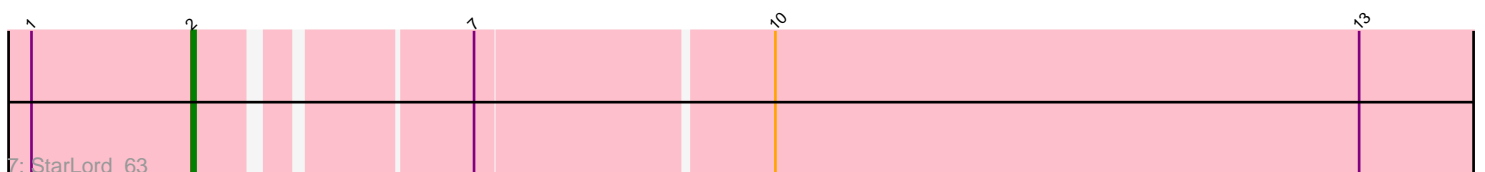
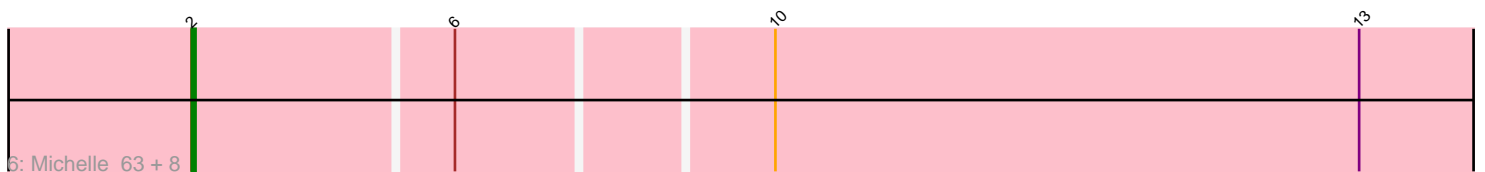
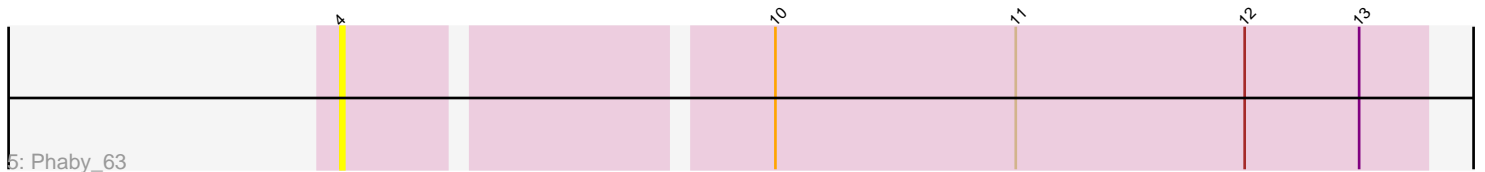
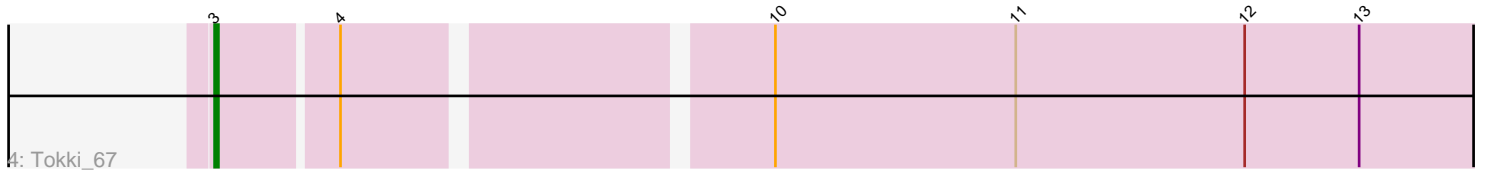
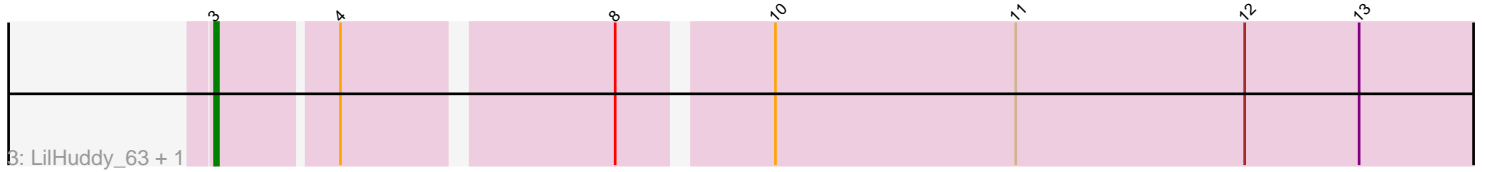
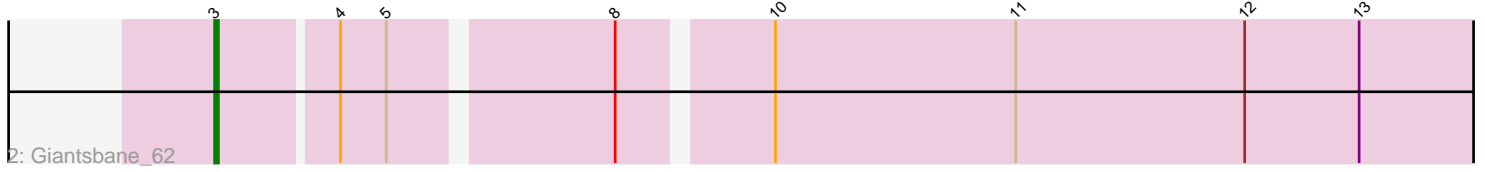
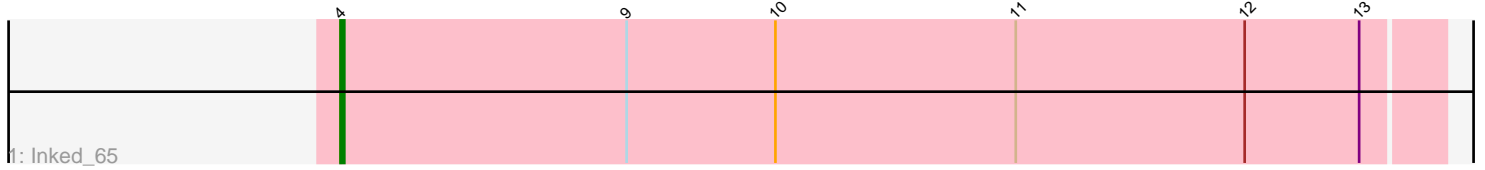


Pham 162186



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 162186 Report

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

Pham number 162186 has 20 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Inked_65
- Track 2 : Giantsbane_62
- Track 3 : LilHuddy_63, Shepard_64
- Track 4 : Tokki_67
- Track 5 : Phaby_63
- Track 6 : Michelle_63, Djungelskog_62, Salk_63, MrAaronian_63, DoctorPepper_63, Stayer_63, Sloopyjoe_63, BronxBay_63, Linda_63
- Track 7 : StarLord_63
- Track 8 : Egad_63, ProfFrink_64
- Track 9 : Shiba_62, Raunak_64

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 11 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronxBay_63, Djungelskog_62, DoctorPepper_63, Egad_63, Linda_63, Michelle_63, MrAaronian_63, ProfFrink_64, Raunak_64, Salk_63, Shiba_62, Sloopyjoe_63, StarLord_63, Stayer_63,

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

-

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

- Giantsbane_62, Inked_65, LilHuddy_63, Phaby_63, Shepard_64, Tokki_67,

Summary by start number:

Start 2:

- Found in 14 of 20 (70.0%) of genes in pham
- Manual Annotations of this start: 11 of 16
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BronxBay_63 (AW), Djungelskog_62 (AW), DoctorPepper_63 (AW), Egad_63 (AW), Linda_63 (AW), Michelle_63 (AW), MrAaronian_63 (AW), ProfFrink_64 (AW), Raunak_64 (AW), Salk_63 (AW), Shiba_62 (AW), Sloopyjoe_63 (AW), StarLord_63 (AW), Stayer_63 (AW),

Start 3:

- Found in 4 of 20 (20.0%) of genes in pham
- Manual Annotations of this start: 4 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Giantsbane_62 (AU2), LilHuddy_63 (AU2), Shepard_64 (AU2), Tokki_67 (AU2),

Start 4:

- Found in 6 of 20 (30.0%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Inked_65 (AU), Phaby_63 (AU2),

Summary by clusters:

There are 3 clusters represented in this pham: AU2, AU, AW,

Info for manual annotations of cluster AU:

- Start number 4 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU2:

- Start number 3 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AW:

- Start number 2 was manually annotated 11 times for cluster AW.

Gene Information:

Gene: BronxBay_63 Start: 41552, Stop: 41884, Start Num: 2

Candidate Starts for BronxBay_63:

(Start: 2 @41552 has 11 MA's), (6, 41618), (10, 41696), (13, 41849),

Gene: Djungelskog_62 Start: 41551, Stop: 41883, Start Num: 2

Candidate Starts for Djungelskog_62:

(Start: 2 @41551 has 11 MA's), (6, 41617), (10, 41695), (13, 41848),

Gene: DoctorPepper_63 Start: 41256, Stop: 41588, Start Num: 2

Candidate Starts for DoctorPepper_63:

(Start: 2 @41256 has 11 MA's), (6, 41322), (10, 41400), (13, 41553),

Gene: Egad_63 Start: 41553, Stop: 41879, Start Num: 2

Candidate Starts for Egad_63:

(Start: 2 @41553 has 11 MA's), (7, 41616), (10, 41691), (13, 41844),

Gene: Giantsbane_62 Start: 42221, Stop: 42541, Start Num: 3

Candidate Starts for Giantsbane_62:

(Start: 3 @42221 has 4 MA's), (Start: 4 @42251 has 1 MA's), (5, 42263), (8, 42317), (10, 42353), (11, 42416), (12, 42476), (13, 42506),

Gene: Inked_65 Start: 44293, Stop: 44580, Start Num: 4

Candidate Starts for Inked_65:

(Start: 4 @44293 has 1 MA's), (9, 44368), (10, 44407), (11, 44470), (12, 44530), (13, 44560),

Gene: LilHuddy_63 Start: 43331, Stop: 43651, Start Num: 3

Candidate Starts for LilHuddy_63:

(Start: 3 @43331 has 4 MA's), (Start: 4 @43361 has 1 MA's), (8, 43427), (10, 43463), (11, 43526), (12, 43586), (13, 43616),

Gene: Linda_63 Start: 41549, Stop: 41881, Start Num: 2

Candidate Starts for Linda_63:

(Start: 2 @41549 has 11 MA's), (6, 41615), (10, 41693), (13, 41846),

Gene: Michelle_63 Start: 41551, Stop: 41883, Start Num: 2

Candidate Starts for Michelle_63:

(Start: 2 @41551 has 11 MA's), (6, 41617), (10, 41695), (13, 41848),

Gene: MrAaronian_63 Start: 41551, Stop: 41883, Start Num: 2

Candidate Starts for MrAaronian_63:

(Start: 2 @41551 has 11 MA's), (6, 41617), (10, 41695), (13, 41848),

Gene: Phaby_63 Start: 43940, Stop: 44212, Start Num: 4

Candidate Starts for Phaby_63:

(Start: 4 @43940 has 1 MA's), (10, 44042), (11, 44105), (12, 44165), (13, 44195),

Gene: ProfFrink_64 Start: 41552, Stop: 41878, Start Num: 2

Candidate Starts for ProfFrink_64:

(Start: 2 @41552 has 11 MA's), (7, 41615), (10, 41690), (13, 41843),

Gene: Raunak_64 Start: 41249, Stop: 41539, Start Num: 2

Candidate Starts for Raunak_64:

(1, 41207), (Start: 2 @41249 has 11 MA's), (10, 41351), (13, 41504),

Gene: Salk_63 Start: 41549, Stop: 41881, Start Num: 2

Candidate Starts for Salk_63:

(Start: 2 @41549 has 11 MA's), (6, 41615), (10, 41693), (13, 41846),

Gene: Shepard_64 Start: 43190, Stop: 43510, Start Num: 3

Candidate Starts for Shepard_64:

(Start: 3 @43190 has 4 MA's), (Start: 4 @43220 has 1 MA's), (8, 43286), (10, 43322), (11, 43385), (12, 43445), (13, 43475),

Gene: Shiba_62 Start: 41249, Stop: 41539, Start Num: 2

Candidate Starts for Shiba_62:

(1, 41207), (Start: 2 @41249 has 11 MA's), (10, 41351), (13, 41504),

Gene: Sloopyjoe_63 Start: 41553, Stop: 41885, Start Num: 2

Candidate Starts for Sloopyjoe_63:

(Start: 2 @41553 has 11 MA's), (6, 41619), (10, 41697), (13, 41850),

Gene: StarLord_63 Start: 41552, Stop: 41878, Start Num: 2

Candidate Starts for StarLord_63:

(1, 41510), (Start: 2 @41552 has 11 MA's), (7, 41615), (10, 41690), (13, 41843),

Gene: Stayer_63 Start: 41549, Stop: 41881, Start Num: 2

Candidate Starts for Stayer_63:

(Start: 2 @41549 has 11 MA's), (6, 41615), (10, 41693), (13, 41846),

Gene: Tokki_67 Start: 43544, Stop: 43864, Start Num: 3

Candidate Starts for Tokki_67:

(Start: 3 @43544 has 4 MA's), (Start: 4 @43574 has 1 MA's), (10, 43676), (11, 43739), (12, 43799),
(13, 43829),