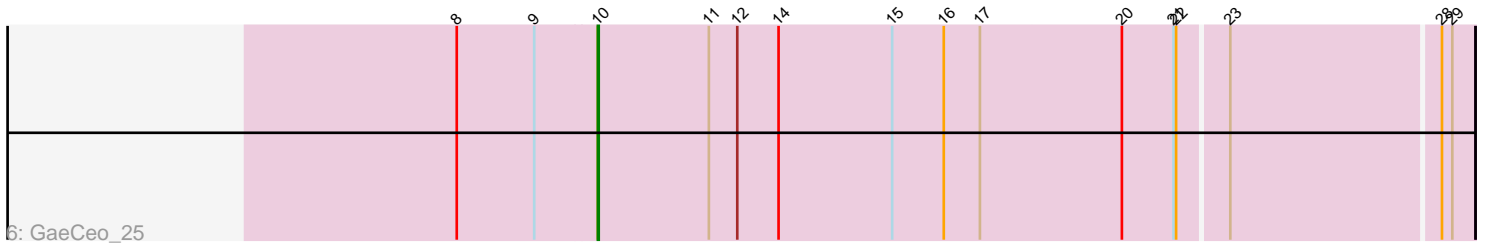
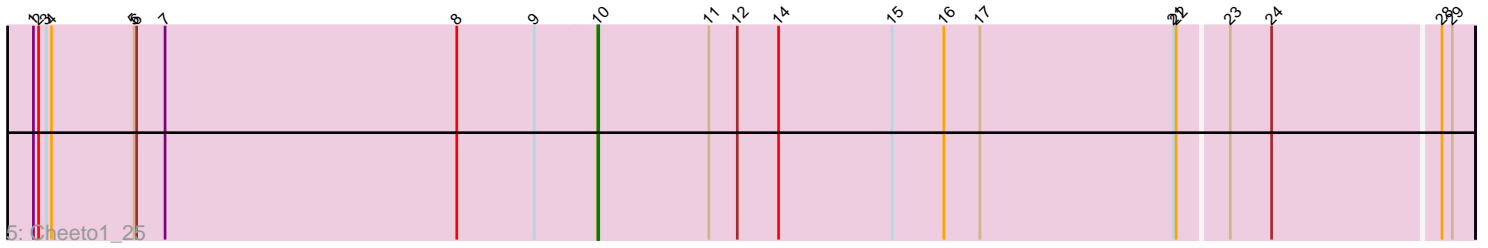
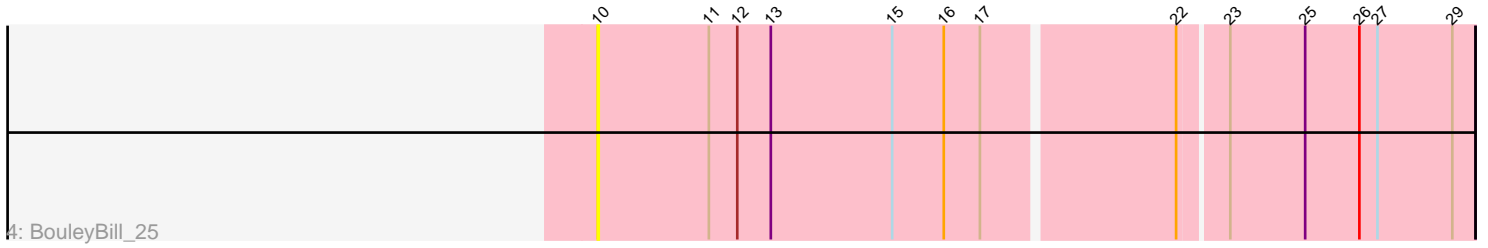
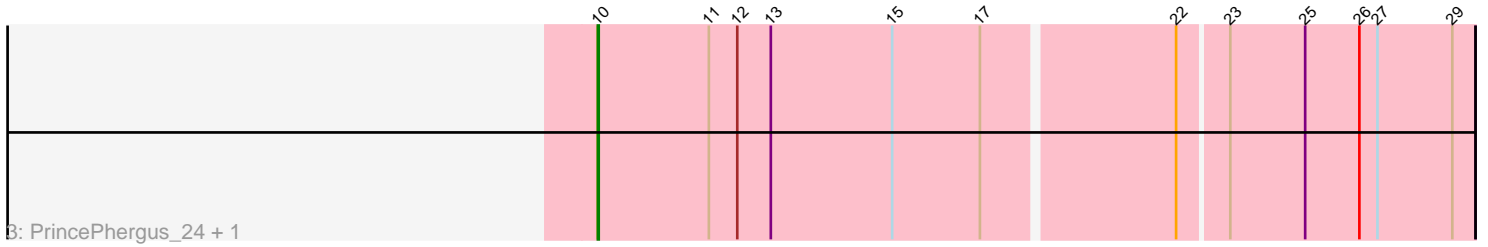
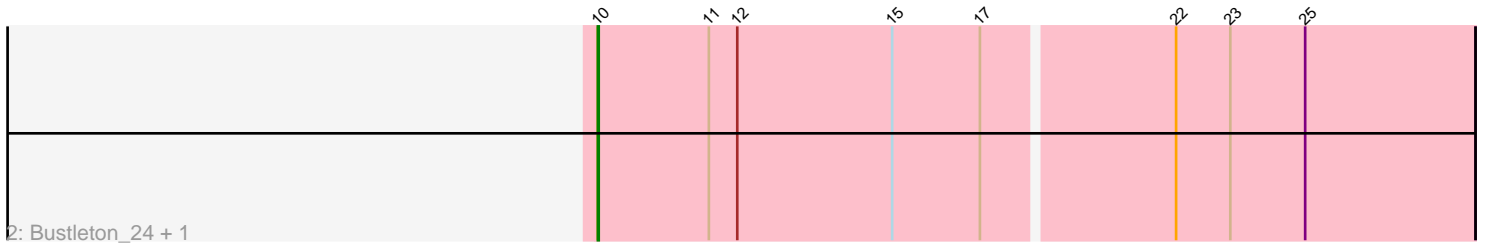
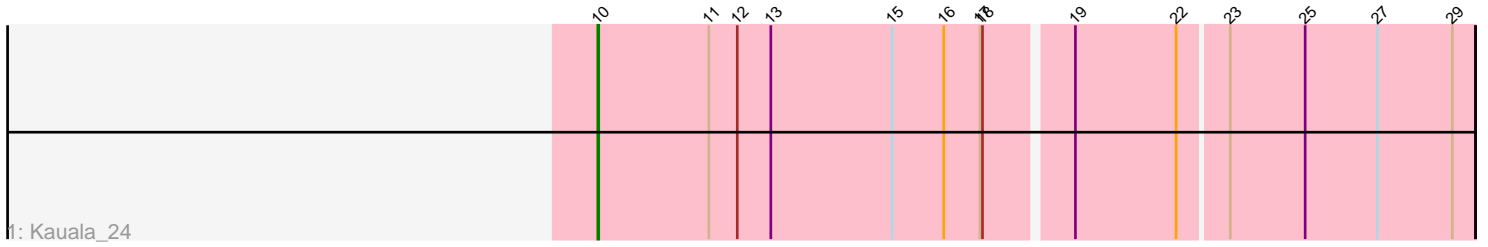


Pham 158407



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 158407 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158407 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kauala_24
- Track 2 : Bustleton_24, Pherbot_24
- Track 3 : PrincePhergus_24, Sinatra_24
- Track 4 : BouleyBill_25
- Track 5 : Cheeto1_25
- Track 6 : GaeCeo_25

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

The start number called the most often in the published annotations is 10, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BouleyBill_25, Bustleton_24, Cheeto1_25, GaeCeo_25, Kauala_24, Pherbot_24, PrincePhergus_24, Sinatra_24,

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 10:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BouleyBill_25 (EA4), Bustleton_24 (EA4), Cheeto1_25 (EA9), GaeCeo_25 (EA9), Kauala_24 (EA4), Pherbot_24 (EA4), PrincePhergus_24 (EA4), Sinatra_24 (EA4),

Summary by clusters:

There are 2 clusters represented in this pham: EA9, EA4,

Info for manual annotations of cluster EA4:

•Start number 10 was manually annotated 5 times for cluster EA4.

Info for manual annotations of cluster EA9:

•Start number 10 was manually annotated 2 times for cluster EA9.

Gene Information:

Gene: BouleyBill_25 Start: 18629, Stop: 19621, Start Num: 10

Candidate Starts for BouleyBill_25:

(Start: 10 @18629 has 7 MA's), (11, 18758), (12, 18791), (13, 18830), (15, 18971), (16, 19031), (17, 19073), (22, 19286), (23, 19337), (25, 19424), (26, 19487), (27, 19508), (29, 19595),

Gene: Bustleton_24 Start: 18617, Stop: 19621, Start Num: 10

Candidate Starts for Bustleton_24:

(Start: 10 @18617 has 7 MA's), (11, 18746), (12, 18779), (15, 18959), (17, 19061), (22, 19274), (23, 19337), (25, 19424),

Gene: Cheeto1_25 Start: 18442, Stop: 19443, Start Num: 10

Candidate Starts for Cheeto1_25:

(1, 17788), (2, 17794), (3, 17803), (4, 17809), (5, 17905), (6, 17908), (7, 17941), (8, 18280), (9, 18370), (Start: 10 @18442 has 7 MA's), (11, 18571), (12, 18604), (14, 18652), (15, 18784), (16, 18844), (17, 18886), (21, 19111), (22, 19114), (23, 19168), (24, 19216), (28, 19405), (29, 19417),

Gene: GaeCeo_25 Start: 18513, Stop: 19511, Start Num: 10

Candidate Starts for GaeCeo_25:

(8, 18351), (9, 18441), (Start: 10 @18513 has 7 MA's), (11, 18642), (12, 18675), (14, 18723), (15, 18855), (16, 18915), (17, 18957), (20, 19119), (21, 19179), (22, 19182), (23, 19236), (28, 19473), (29, 19485),

Gene: Kauala_24 Start: 18628, Stop: 19623, Start Num: 10

Candidate Starts for Kauala_24:

(Start: 10 @18628 has 7 MA's), (11, 18757), (12, 18790), (13, 18829), (15, 18970), (16, 19030), (17, 19072), (18, 19075), (19, 19168), (22, 19285), (23, 19339), (25, 19426), (27, 19510), (29, 19597),

Gene: Pherbot_24 Start: 18616, Stop: 19620, Start Num: 10

Candidate Starts for Pherbot_24:

(Start: 10 @18616 has 7 MA's), (11, 18745), (12, 18778), (15, 18958), (17, 19060), (22, 19273), (23, 19336), (25, 19423),

Gene: PrincePhergus_24 Start: 18622, Stop: 19617, Start Num: 10

Candidate Starts for PrincePhergus_24:

(Start: 10 @18622 has 7 MA's), (11, 18751), (12, 18784), (13, 18823), (15, 18964), (17, 19066), (22, 19279), (23, 19333), (25, 19420), (26, 19483), (27, 19504), (29, 19591),

Gene: Sinatra_24 Start: 18619, Stop: 19614, Start Num: 10

Candidate Starts for Sinatra_24:

(Start: 10 @18619 has 7 MA's), (11, 18748), (12, 18781), (13, 18820), (15, 18961), (17, 19063), (22, 19276), (23, 19330), (25, 19417), (26, 19480), (27, 19501), (29, 19588),

