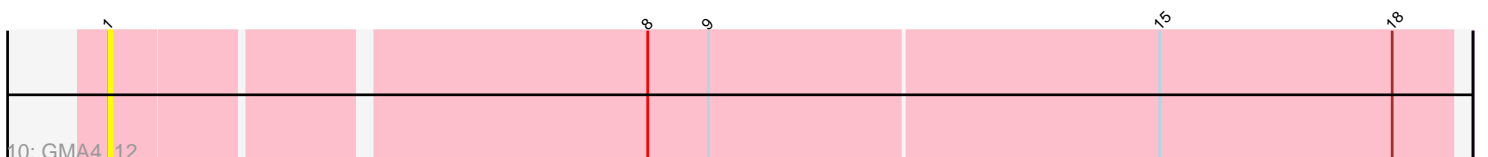
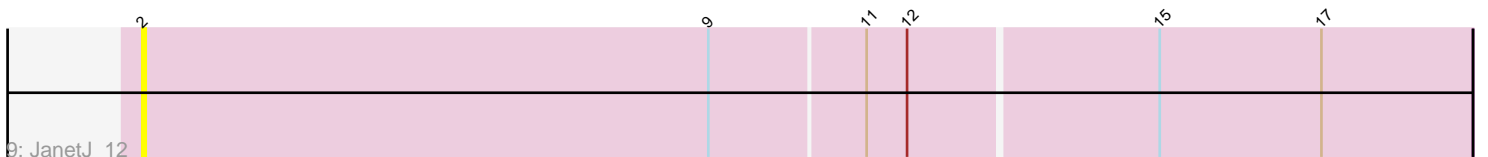
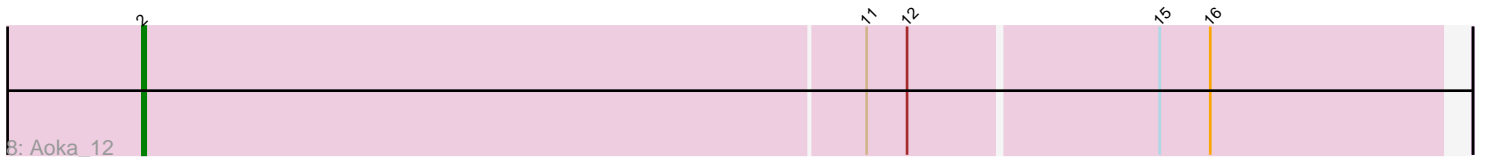
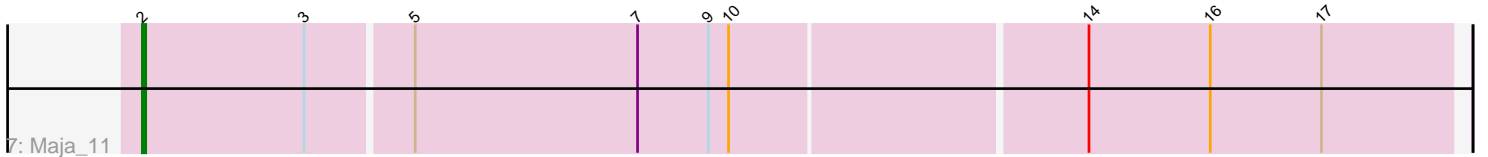
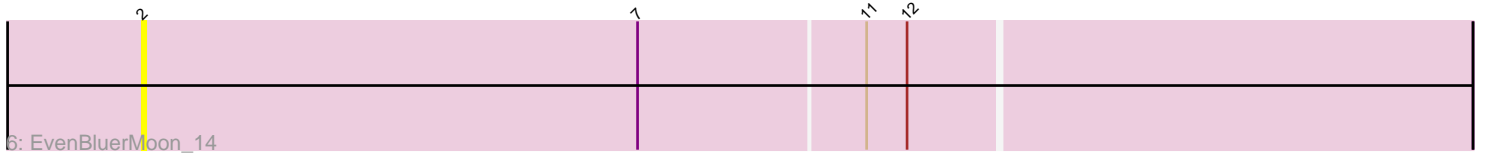
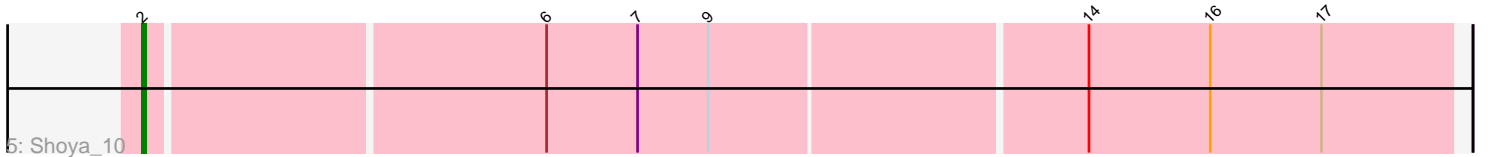
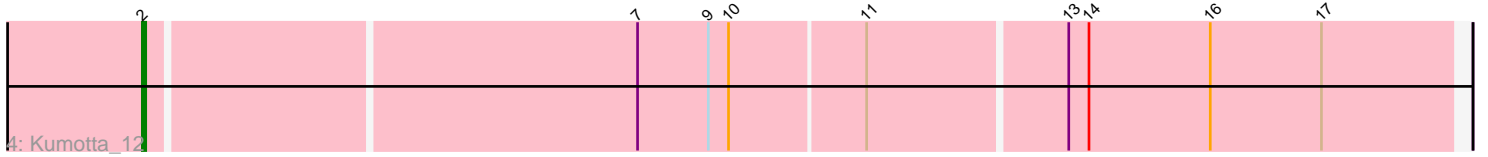
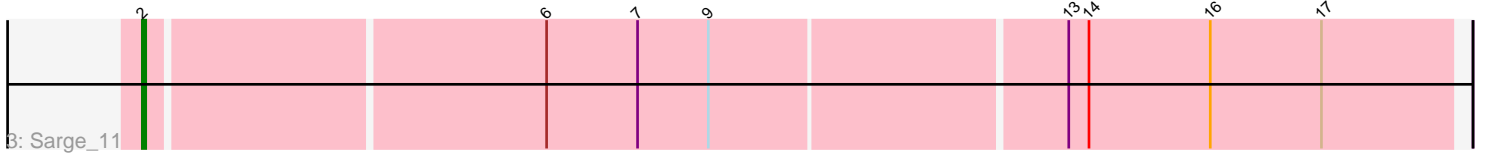
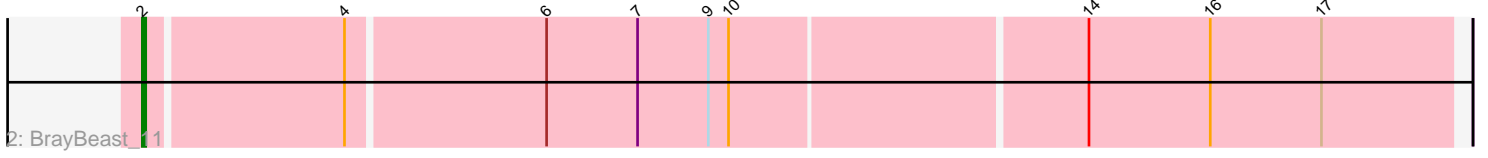
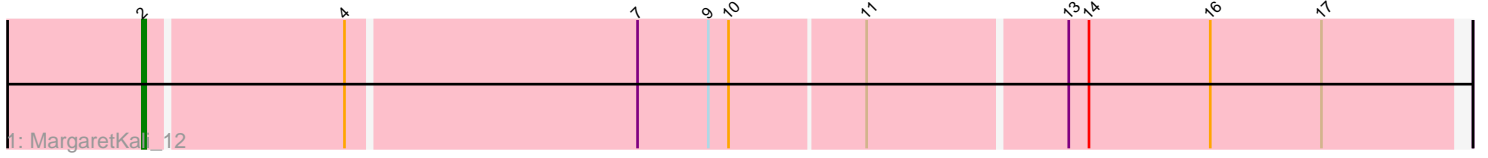


Pham 164089



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 164089 Report

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

Pham number 164089 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : MargaretKali_12
- Track 2 : BrayBeast_11
- Track 3 : Sarge_11
- Track 4 : Kumotta_12
- Track 5 : Shoya_10
- Track 6 : EvenBluerMoon_14
- Track 7 : Maja_11
- Track 8 : Aoka_12
- Track 9 : JanetJ_12
- Track 10 : GMA4_12

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aoka_12, BrayBeast_11, EvenBluerMoon_14, JanetJ_12, Kumotta_12, Maja_11, MargaretKali_12, Sarge_11, Shoya_10,

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

-

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

- GMA4_12,

Summary by start number:

Start 1:

- Found in 1 of 10 (10.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA4_12 (singleton),

Start 2:

- Found in 9 of 10 (90.0%) 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: Aoka_12 (FO), BrayBeast_11 (FB), EvenBluerMoon_14 (FO), JanetJ_12 (FO), Kumotta_12 (FB), Maja_11 (FO), MargaretKali_12 (FB), Sarge_11 (FB), Shoya_10 (FB),

Summary by clusters:

There are 3 clusters represented in this pham: FB, singleton, FO,

Info for manual annotations of cluster FB:

- Start number 2 was manually annotated 5 times for cluster FB.

Info for manual annotations of cluster FO:

- Start number 2 was manually annotated 2 times for cluster FO.

Gene Information:

Gene: Aoka_12 Start: 8710, Stop: 9090, Start Num: 2

Candidate Starts for Aoka_12:

(Start: 2 @8710 has 7 MA's), (11, 8923), (12, 8935), (15, 9007), (16, 9022),

Gene: BrayBeast_11 Start: 7602, Stop: 7979, Start Num: 2

Candidate Starts for BrayBeast_11:

(Start: 2 @7602 has 7 MA's), (4, 7659), (6, 7716), (7, 7743), (9, 7764), (10, 7770), (14, 7872), (16, 7908), (17, 7941),

Gene: EvenBluerMoon_14 Start: 8744, Stop: 9133, Start Num: 2

Candidate Starts for EvenBluerMoon_14:

(Start: 2 @8744 has 7 MA's), (7, 8891), (11, 8957), (12, 8969),

Gene: GMA4_12 Start: 8487, Stop: 8873, Start Num: 1

Candidate Starts for GMA4_12:

(1, 8487), (8, 8637), (9, 8655), (15, 8787), (18, 8856),

Gene: JanetJ_12 Start: 8526, Stop: 8915, Start Num: 2

Candidate Starts for JanetJ_12:

(Start: 2 @8526 has 7 MA's), (9, 8694), (11, 8739), (12, 8751), (15, 8823), (17, 8871),

Gene: Kumotta_12 Start: 8443, Stop: 8820, Start Num: 2

Candidate Starts for Kumotta_12:

(Start: 2 @8443 has 7 MA's), (7, 8584), (9, 8605), (10, 8611), (11, 8650), (13, 8707), (14, 8713), (16, 8749), (17, 8782),

Gene: Maja_11 Start: 8064, Stop: 8444, Start Num: 2

Candidate Starts for Maja_11:

(Start: 2 @8064 has 7 MA's), (3, 8112), (5, 8142), (7, 8208), (9, 8229), (10, 8235), (14, 8337), (16, 8373), (17, 8406),

Gene: MargaretKali_12 Start: 8078, Stop: 8455, Start Num: 2

Candidate Starts for MargaretKali_12:

(Start: 2 @8078 has 7 MA's), (4, 8135), (7, 8219), (9, 8240), (10, 8246), (11, 8285), (13, 8342), (14, 8348), (16, 8384), (17, 8417),

Gene: Sarge_11 Start: 7513, Stop: 7890, Start Num: 2

Candidate Starts for Sarge_11:

(Start: 2 @7513 has 7 MA's), (6, 7627), (7, 7654), (9, 7675), (13, 7777), (14, 7783), (16, 7819), (17, 7852),

Gene: Shoya_10 Start: 7149, Stop: 7526, Start Num: 2

Candidate Starts for Shoya_10:

(Start: 2 @7149 has 7 MA's), (6, 7263), (7, 7290), (9, 7311), (14, 7419), (16, 7455), (17, 7488),